

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN020420\
 Data File : VN059989.D
 Acq On : 4 Feb 2020 13:04
 Operator : JC/MD
 Sample : VN0204MBS01
 Misc : 5.00µL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0204MBS01

Quant Time: Feb 05 01:20:19 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N011320W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jan 18 03:09:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	177772	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	278985	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	256228	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	122523	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.00	65	109389	55.41	ug/l	0.00
Spiked Amount			Recovery	=	110.82%	
35) Dibromofluoromethane	7.57	113	89729	53.93	ug/l	0.00
Spiked Amount			Recovery	=	107.86%	
50) Toluene-d8	10.08	98	332888	51.64	ug/l	0.00
Spiked Amount			Recovery	=	103.28%	
62) 4-Bromofluorobenzene	12.40	95	123316	53.07	ug/l	0.00
Spiked Amount			Recovery	=	106.14%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	34475	16.094	ug/l	95
3) Chloromethane	2.04	50	34594	16.997	ug/l	97
4) Vinyl Chloride	2.17	62	44274	19.012	ug/l	98
5) Bromomethane	2.55	94	27490	19.344	ug/l	97
6) Chloroethane	2.69	64	20833	18.910	ug/l	97
7) Trichlorofluoromethane	3.00	101	53384	19.089	ug/l	99
8) Diethyl Ether	3.38	74	20146	20.527	ug/l	87
9) 1,1,2-Trichlorotrifluoroet	3.74	101	31809	20.436	ug/l	94
10) Methyl Iodide	3.93	142	40822	16.226	ug/l	96
11) Tert butyl alcohol	4.72	59	32597	98.081	ug/l	99
12) 1,1-Dichloroethene	3.72	96	30176	18.554	ug/l	87
13) Acrolein	3.58	56	12913	54.888	ug/l	94
14) Allyl chloride	4.29	41	43638	19.906	ug/l #	84
15) Acrylonitrile	4.95	53	79911	105.408	ug/l	99
16) Acetone	3.78	43	78411	110.879	ug/l	96
17) Carbon Disulfide	4.03	76	72187	15.581	ug/l	100
18) Methyl Acetate	4.29	43	49240	21.353	ug/l	93
19) Methyl tert-butyl Ether	5.00	73	113483	21.400	ug/l	96
20) Methylene Chloride	4.52	84	35947	19.332	ug/l	91
21) trans-1,2-Dichloroethene	5.01	96	32067	18.548	ug/l	92
22) Diisopropyl ether	5.91	45	105051	21.146	ug/l #	91
23) Vinyl Acetate	5.86	43	399639	103.898	ug/l	96
24) 1,1-Dichloroethane	5.81	63	61828	20.368	ug/l	97
25) 2-Butanone	6.80	43	109750	98.168	ug/l	92
26) 2,2-Dichloropropane	6.80	77	58207	19.945	ug/l	96
27) cis-1,2-Dichloroethene	6.80	96	40189	20.211	ug/l	90
28) Bromochloromethane	7.17	49	26073	21.490	ug/l #	76
29) Tetrahydrofuran	7.18	42	69655	100.699	ug/l	90
30) Chloroform	7.35	83	65408	20.796	ug/l	99
31) Cyclohexane	7.63	56	51520	17.638	ug/l	87
32) 1,1,1-Trichloroethane	7.54	97	59019	20.295	ug/l	96
36) 1,1-Dichloropropene	7.77	75	45978	18.925	ug/l	95
37) Ethyl Acetate	6.90	43	43787	19.216	ug/l #	95
38) Carbon Tetrachloride	7.75	117	52431	19.839	ug/l	99

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.07	83	53703	17.927	ug/l	93
40) Benzene	8.02	78	139676	19.277	ug/l	100
41) Methacrylonitrile	7.18	41	64917	57.839	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	52618	21.418	ug/l	97
43) Isopropyl Acetate	8.14	43	78469	20.021	ug/l	96
44) Trichloroethene	8.82	130	40652	20.552	ug/l	91
45) 1,2-Dichloropropane	9.10	63	37406	20.863	ug/l	98
46) Dibromomethane	9.19	93	26843	21.224	ug/l	92
47) Bromodichloromethane	9.39	83	53300	20.913	ug/l	98
48) Methyl methacrylate	9.18	41	33201	18.938	ug/l	89
49) 1,4-Dioxane	9.18	88	13857	431.769	ug/l	89
51) 4-Methyl-2-Pentanone	9.97	43	227812	100.549	ug/l	96
52) Toluene	10.14	92	91667	20.029	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	59194	20.800	ug/l	99
54) cis-1,3-Dichloropropene	9.82	75	63130	21.083	ug/l	94
55) 1,1,2-Trichloroethane	10.55	97	38505	21.243	ug/l	97
56) Ethyl methacrylate	10.42	69	54072	19.523	ug/l	94
57) 1,3-Dichloropropane	10.70	76	62162	21.601	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	91112	109.215	ug/l	91
59) 2-Hexanone	10.74	43	167423	100.305	ug/l	95
60) Dibromochloromethane	10.90	129	43702	21.172	ug/l	100
61) 1,2-Dibromoethane	11.00	107	39228	20.648	ug/l	100
64) Tetrachloroethene	10.62	164	39895	19.104	ug/l	97
65) Chlorobenzene	11.43	112	100531	19.961	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	40493	20.808	ug/l	98
67) Ethyl Benzene	11.51	91	179449	19.628	ug/l	98
68) m/p-Xylenes	11.62	106	133973	38.794	ug/l	95
69) o-Xylene	11.94	106	64890	19.193	ug/l	96
70) Styrene	11.96	104	105208	18.596	ug/l	97
71) Bromoform	12.12	173	31934	20.487	ug/l #	99
73) Isopropylbenzene	12.25	105	178299	19.842	ug/l	100
74) N-amyl acetate	12.07	43	66188	18.983	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.50	83	52785	20.263	ug/l	97
76) 1,2,3-Trichloropropane	12.55	75	72297	35.063	ug/l #	100
77) Bromobenzene	12.52	156	44912	19.737	ug/l	84
78) n-propylbenzene	12.59	91	197432	19.576	ug/l	97
79) 2-Chlorotoluene	12.67	91	118189	19.698	ug/l	95
80) 1,3,5-Trimethylbenzene	12.73	105	148097	19.597	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	18284	19.043	ug/l	96
82) 4-Chlorotoluene	12.77	91	121415	20.175	ug/l	96
83) tert-Butylbenzene	12.99	119	128046	19.591	ug/l	96
84) 1,2,4-Trimethylbenzene	13.04	105	146759	19.630	ug/l	98
85) sec-Butylbenzene	13.17	105	167857	19.547	ug/l	98
86) p-Isopropyltoluene	13.29	119	153766	19.352	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	79740	20.173	ug/l	97
88) 1,4-Dichlorobenzene	13.36	146	79285	20.106	ug/l	98
89) n-Butylbenzene	13.61	91	134280	19.821	ug/l	99
90) Hexachloroethane	13.87	117	28746	19.336	ug/l	89
91) 1,2-Dichlorobenzene	13.65	146	79434	20.327	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.27	75	11578	19.430	ug/l	89

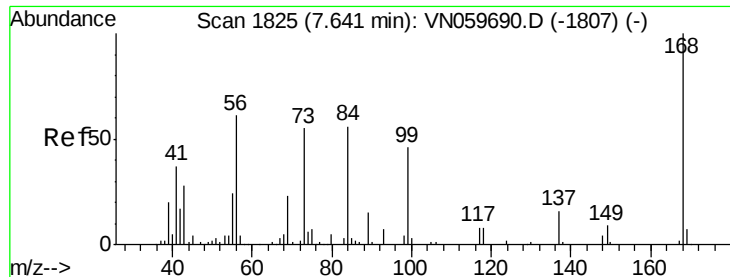
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	48247	20.547	ug/l	99
94) Hexachlorobutadiene	15.01	225	25573	19.764	ug/l	99
95) Naphthalene	15.13	128	132570	19.849	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	47976	20.991	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VN059989.D

Acq: 4 Feb 2020 13:04

Instrument :

MSVOA_N

ClientSampleId :

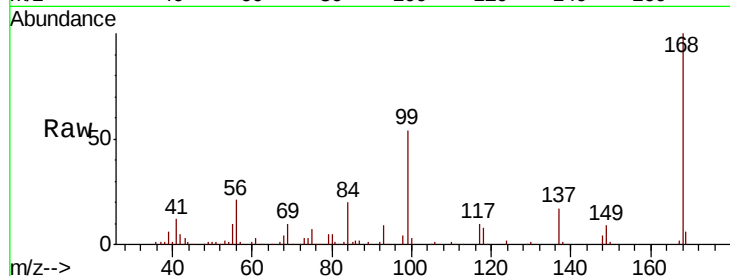
VN0204MBS01

Tot Ion:168 Resp: 177772

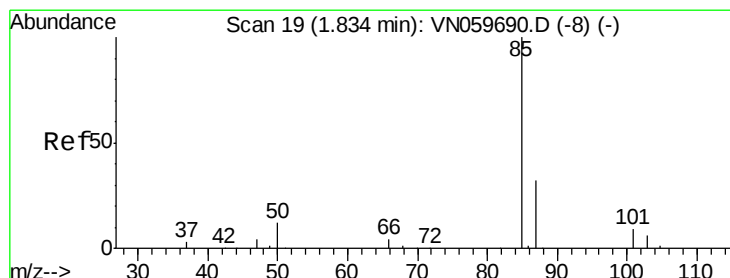
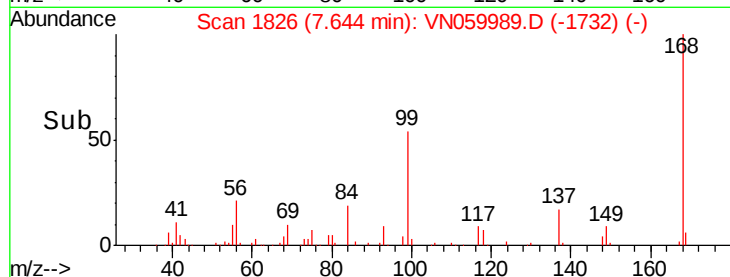
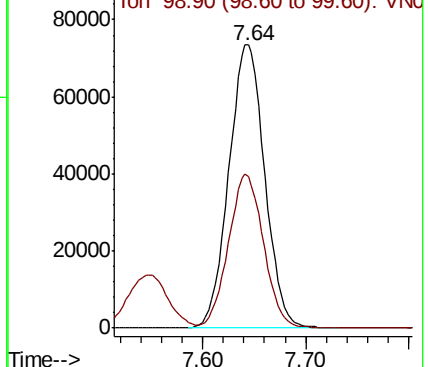
Ion Ratio Lower Upper

168 100

99 53.6 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): VN059989.D (-1732) (-)



#2

Dichlorodifluoromethane

Concen: 16.094 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN059989.D

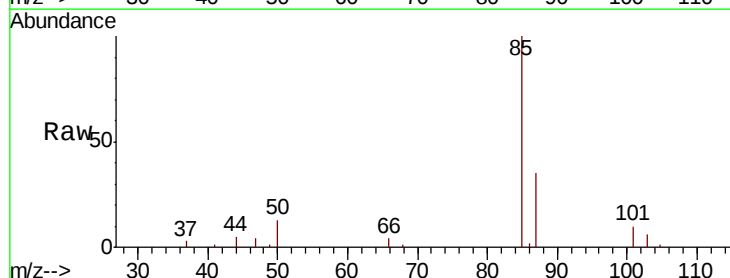
Acq: 4 Feb 2020 13:04

Tgt Ion: 85 Resp: 34475

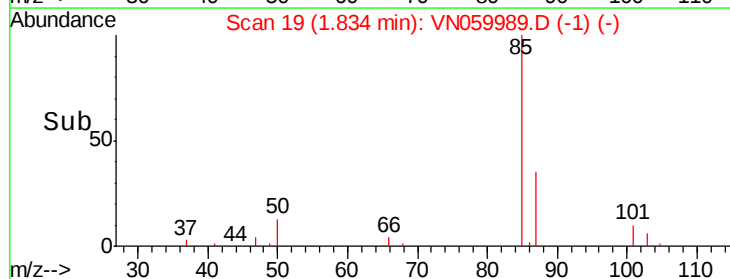
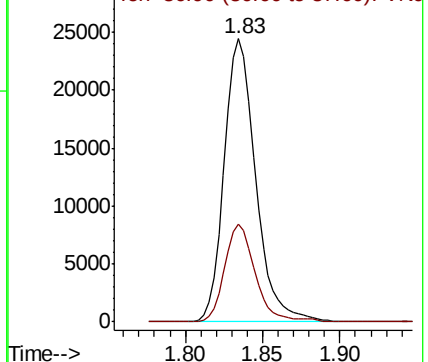
Ion Ratio Lower Upper

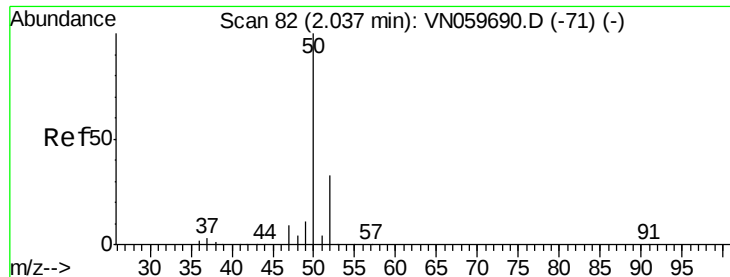
85 100

87 34.6 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VN059989.D (-1) (-)





#3

Chloromethane

Concen: 16.997 ug/l

RT: 2.04 min Scan# 83

Delta R.T. 0.00 min

Lab File: VN059989.D

Acq: 4 Feb 2020 13:04

Instrument :

MSVOA_N

ClientSampleId :

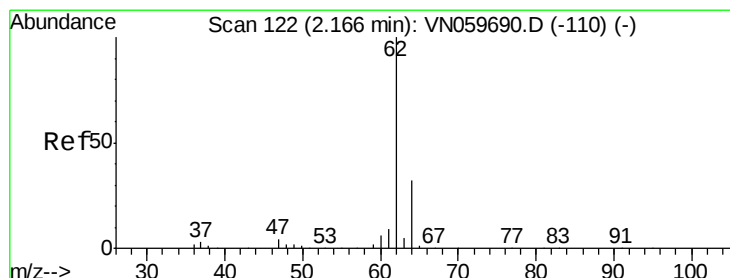
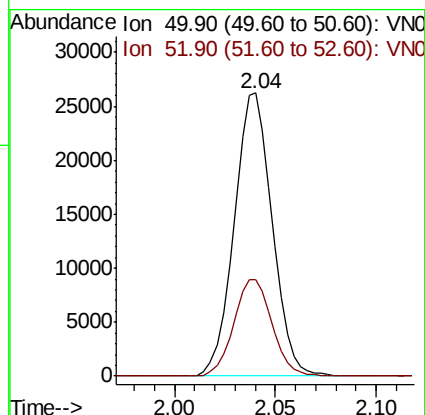
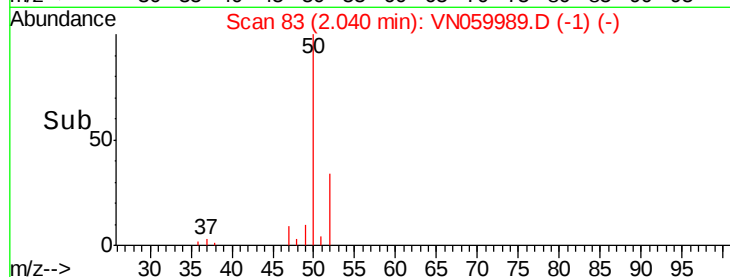
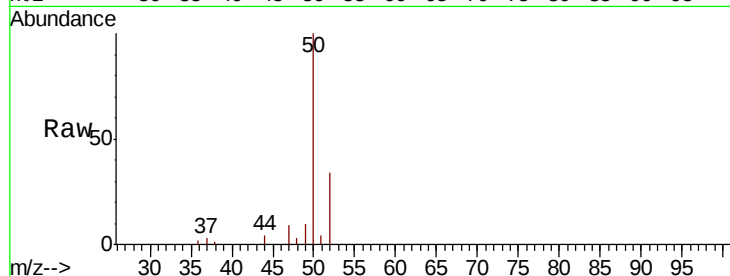
VN0204MBS01

Tot Ion: 50 Resp: 34594

Ion Ratio Lower Upper

50 100

52 34.1 25.9 38.9



#4

Vinyl Chloride

Concen: 19.012 ug/l

RT: 2.17 min Scan# 122

Delta R.T. 0.00 min

Lab File: VN059989.D

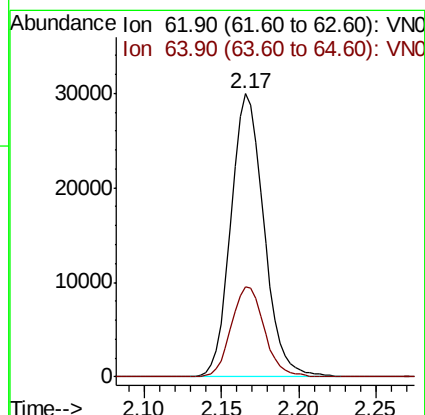
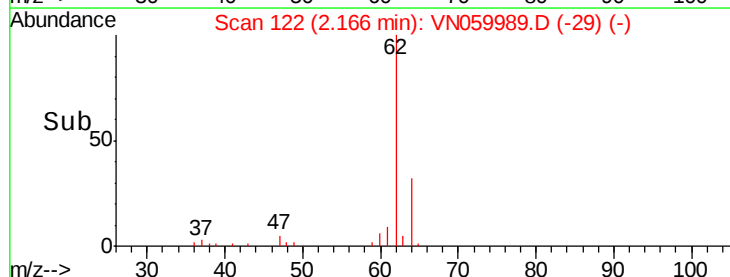
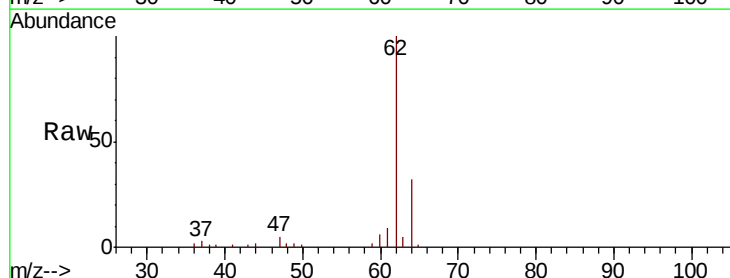
Acq: 4 Feb 2020 13:04

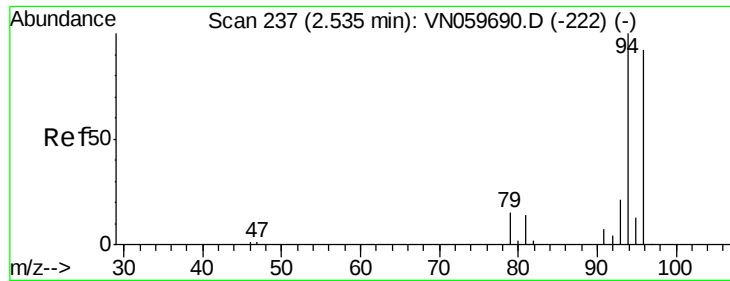
Tgt Ion: 62 Resp: 44274

Ion Ratio Lower Upper

62 100

64 31.7 24.6 37.0

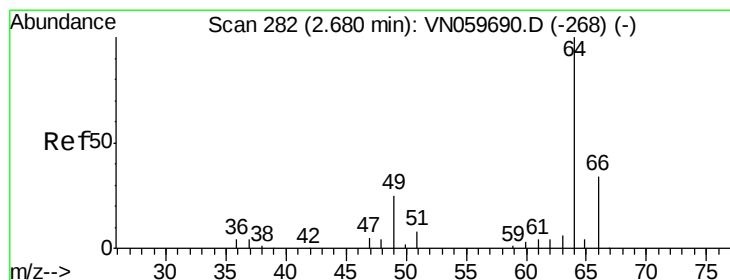
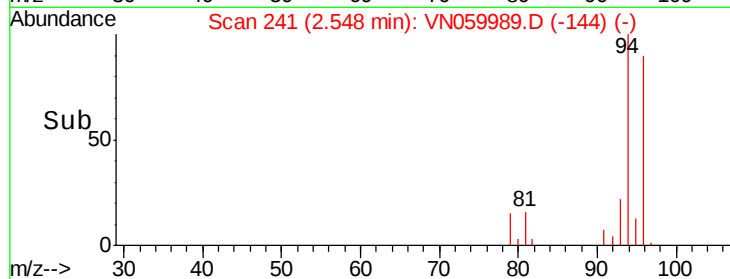
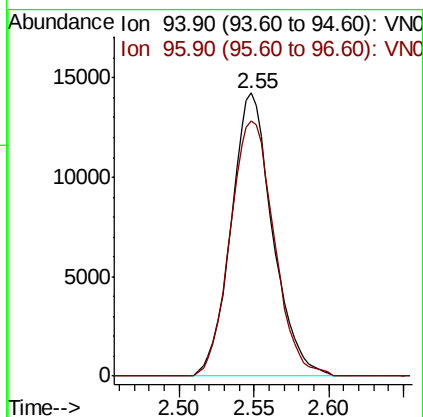
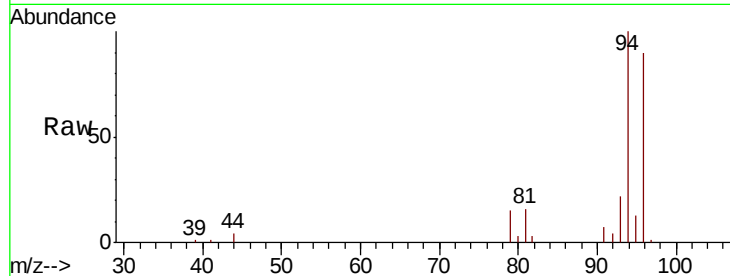




#5
Bromomethane
Concen: 19.344 ug/l
RT: 2.55 min Scan# 241
Delta R.T. 0.01 min
Lab File: VN059989.D
Acq: 4 Feb 2020 13:04

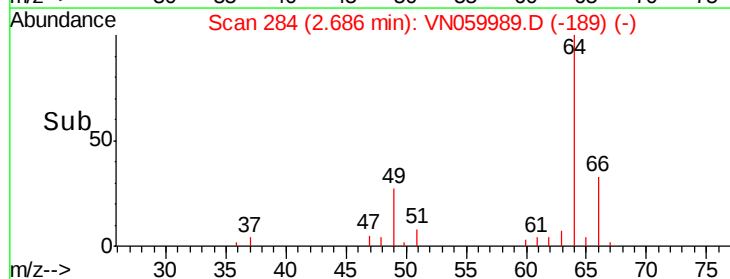
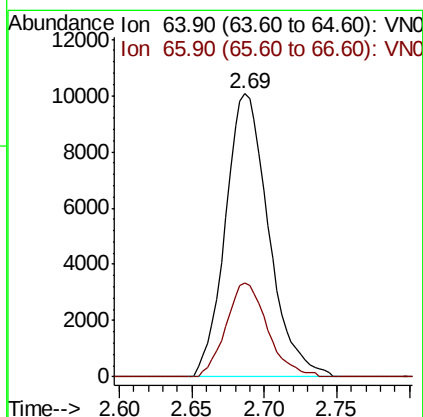
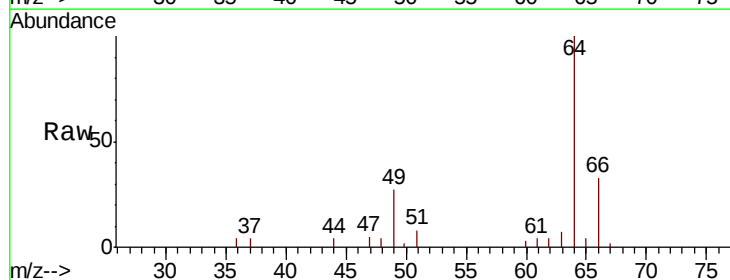
Instrument :
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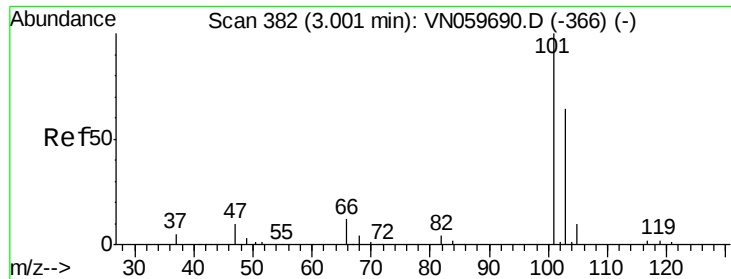
Tot Ion: 94 Resp: 27490
Ion Ratio Lower Upper
94 100
96 90.3 74.7 112.1



#6
Chloroethane
Concen: 18.910 ug/l
RT: 2.69 min Scan# 284
Delta R.T. 0.01 min
Lab File: VN059989.D
Acq: 4 Feb 2020 13:04

Tgt Ion: 64 Resp: 20833
Ion Ratio Lower Upper
64 100
66 33.2 25.1 37.7



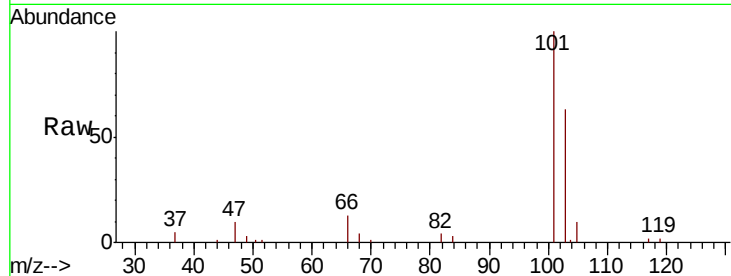


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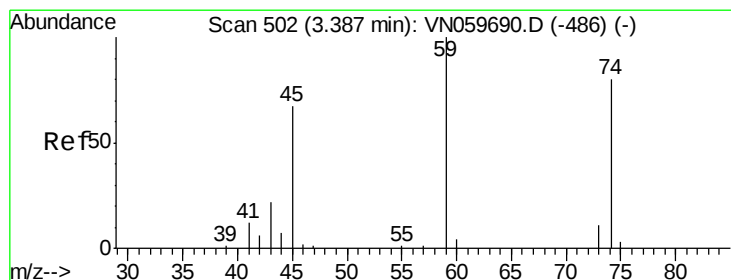
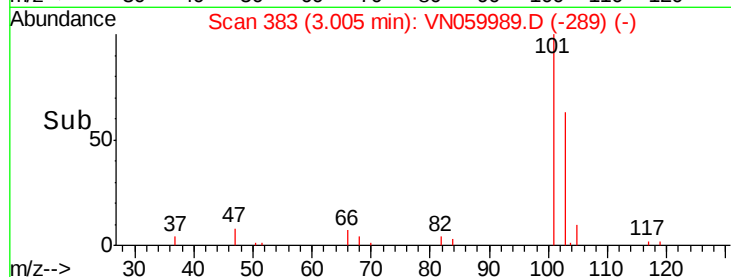
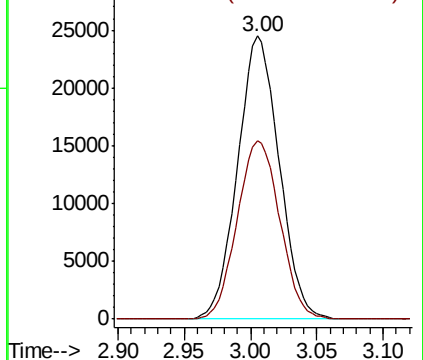
Trichlorofluoromethane
 Concen: 19.089 ug/l
 RT: 3.00 min Scan# 383
 Delta R.T. 0.00 min
 Lab File: VN059989.D
 Acq: 4 Feb 2020 13:04

Instrument :
 MSVOA_N
 ClientSampled :
 VN0204MBS01

Tot Ion:101 Resp: 53384
 Ion Ratio Lower Upper
 101 100
 103 63.1 51.0 76.6



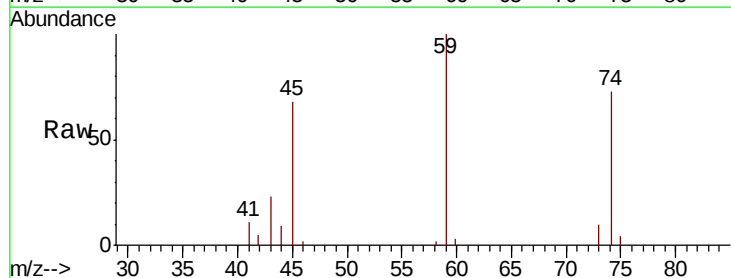
Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 102.80 (102.50 to 103.50): V



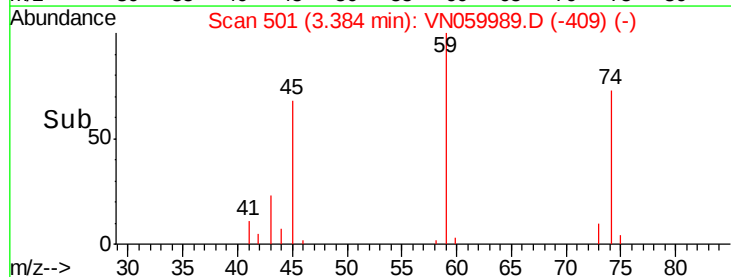
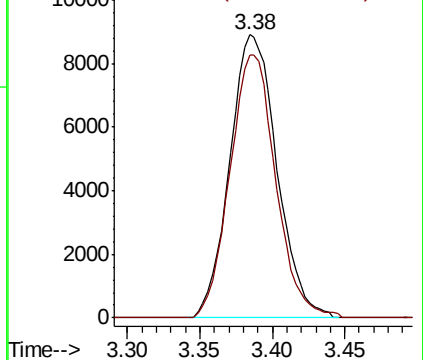
#8

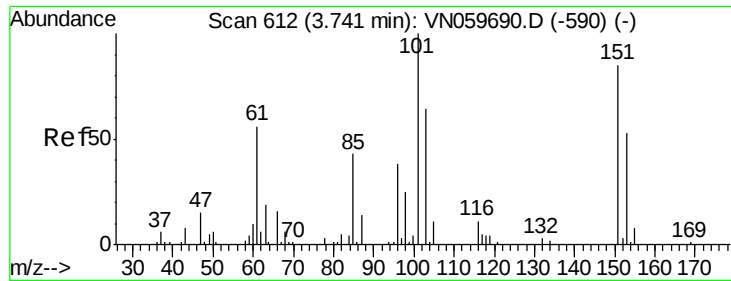
Diethyl Ether
 Concen: 20.527 ug/l
 RT: 3.38 min Scan# 501
 Delta R.T. -0.00 min
 Lab File: VN059989.D
 Acq: 4 Feb 2020 13:04

Tgt Ion: 74 Resp: 20146
 Ion Ratio Lower Upper
 74 100
 45 90.4 51.9 155.8



Abundance Ion 74.00 (73.70 to 74.70): VNO
 Ion 45.00 (44.70 to 45.70): VNO





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.436 ug/l

RT: 3.74 min Scan# 611

Delta R.T. -0.00 min

Lab File: VN059989.D

Acq: 4 Feb 2020 13:04

Instrument :

MSVOA_N

ClientSampleId :

VN0204MBS01

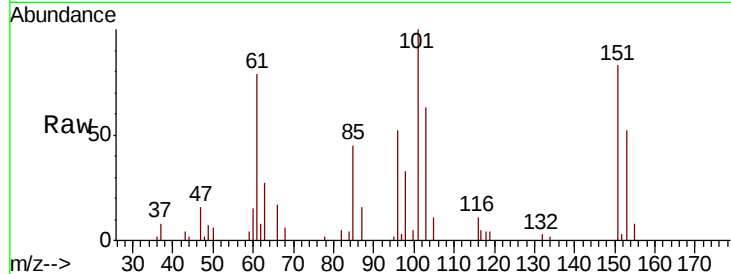
Tot Ion:101 Resp: 31809

Ion Ratio Lower Upper

101 100

85 44.2 36.6 54.8

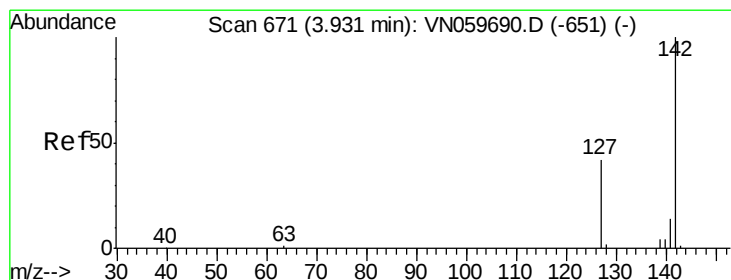
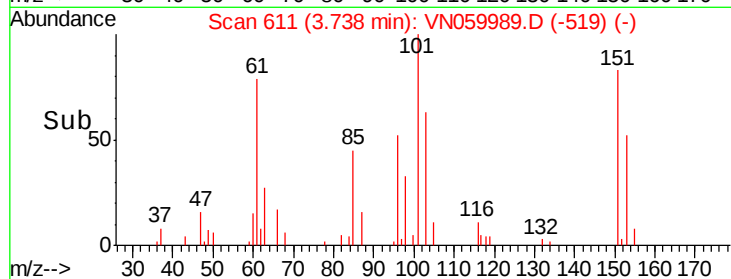
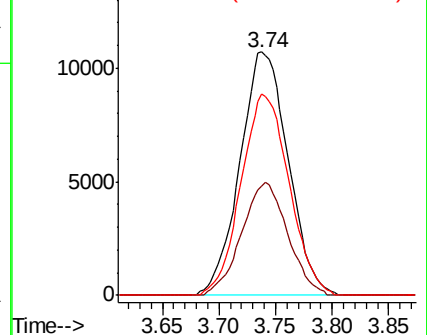
151 82.1 59.7 89.5



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 16.226 ug/l

RT: 3.93 min Scan# 671

Delta R.T. 0.00 min

Lab File: VN059989.D

Acq: 4 Feb 2020 13:04

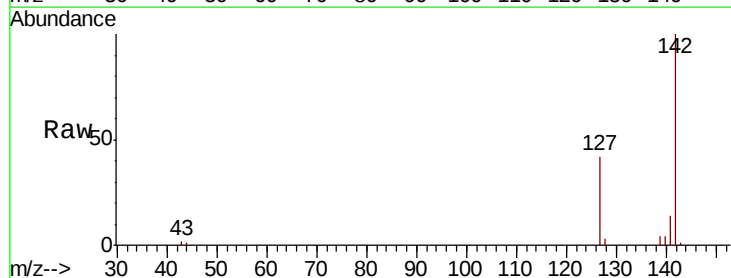
Tgt Ion:142 Resp: 40822

Ion Ratio Lower Upper

142 100

127 43.1 36.7 55.1

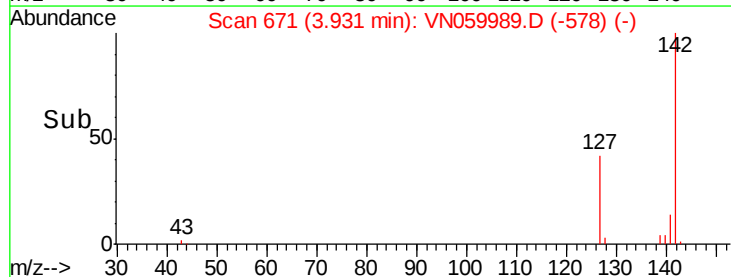
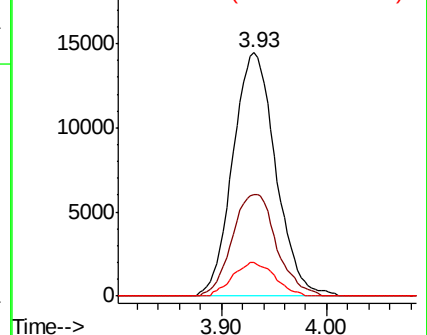
141 13.6 11.7 17.5

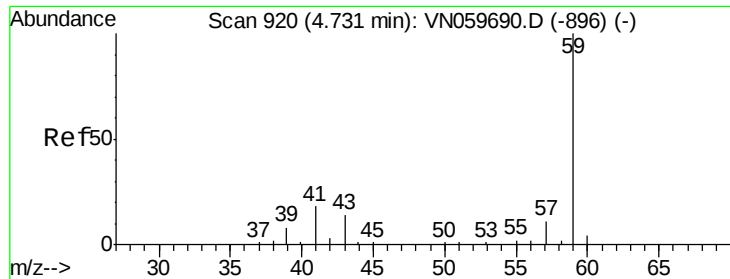


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

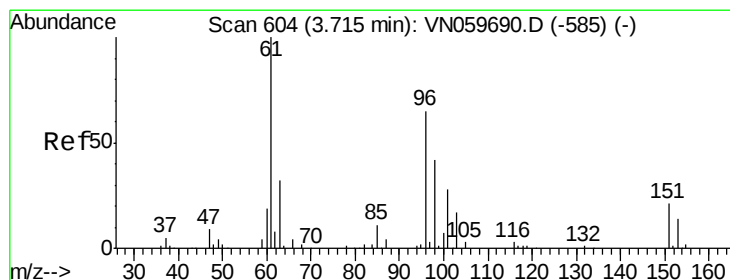
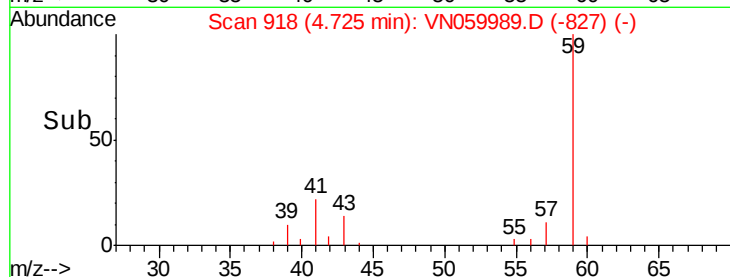
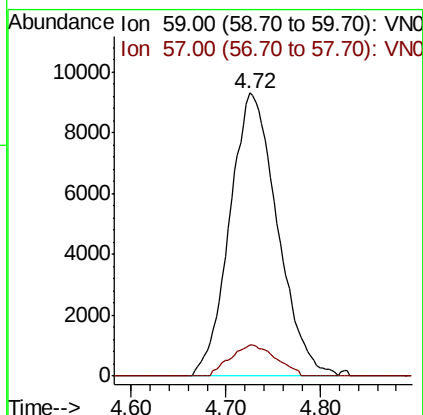
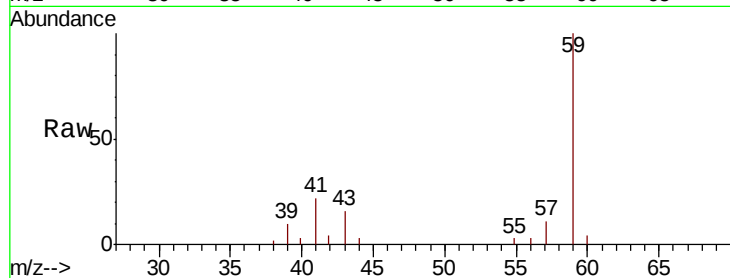




#11
Tert butyl alcohol
Concen: 98.081 ug/l
RT: 4.72 min Scan# 918
Delta R.T. -0.01 min
Lab File: VN059989.D
Acq: 4 Feb 2020 13:04

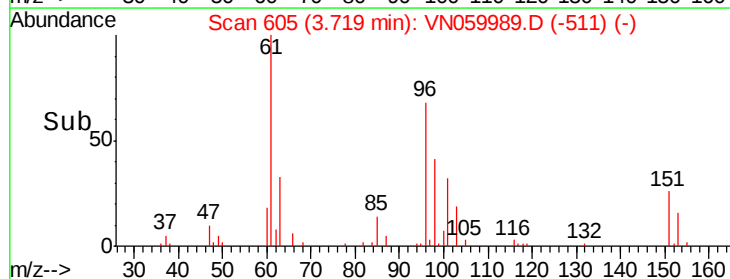
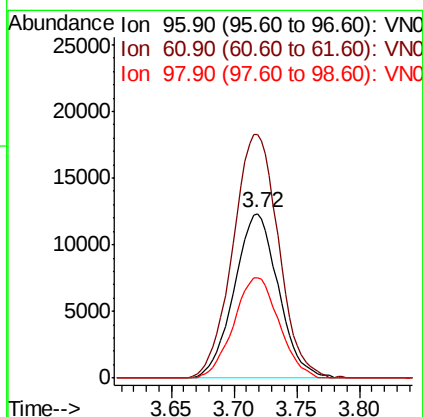
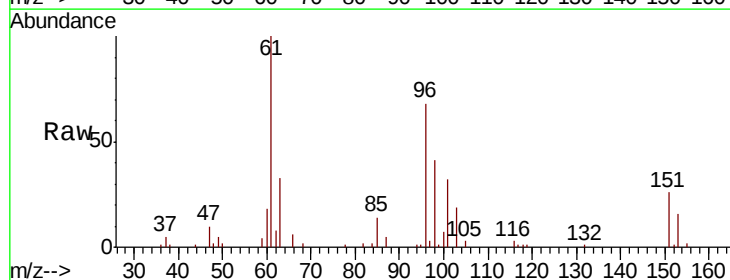
Instrument :
MSVOA_N
ClientSampleId :
VN0204MBS01

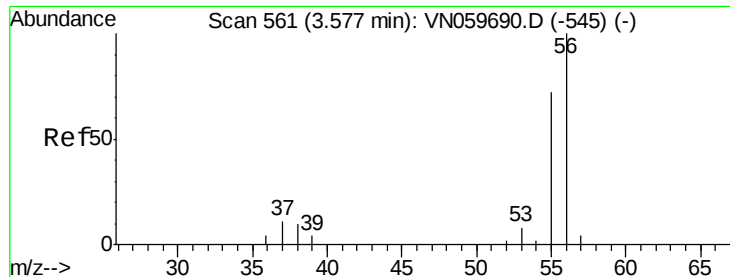
Tot Ion: 59 Resp: 32597
Ion Ratio Lower Upper
59 100
57 10.5 8.6 12.8



#12
1,1-Dichloroethene
Concen: 18.554 ug/l
RT: 3.72 min Scan# 605
Delta R.T. 0.00 min
Lab File: VN059989.D
Acq: 4 Feb 2020 13:04

Tgt Ion: 96 Resp: 30176
Ion Ratio Lower Upper
96 100
61 147.9 137.5 206.3
98 61.2 50.2 75.4





#13

Acrolein

Concen: 54.888 ug/l

RT: 3.58 min Scan# 562

Delta R.T. 0.00 min

Lab File: VN059989.D

Acq: 4 Feb 2020 13:04

Instrument :

MSVOA_N

ClientSampleId :

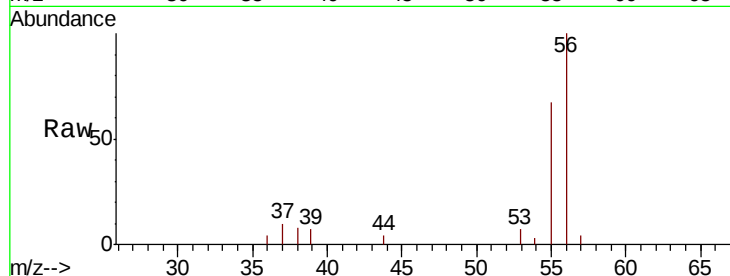
VN0204MBS01

Tot Ion: 56 Resp: 12913

Ion Ratio Lower Upper

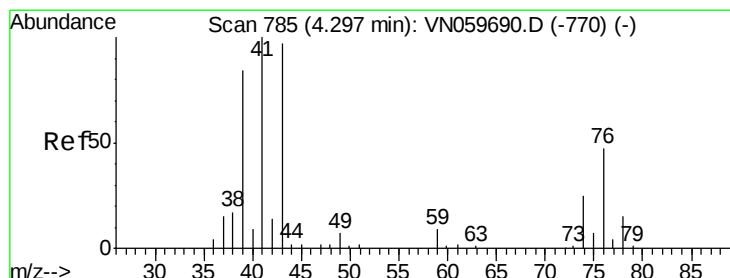
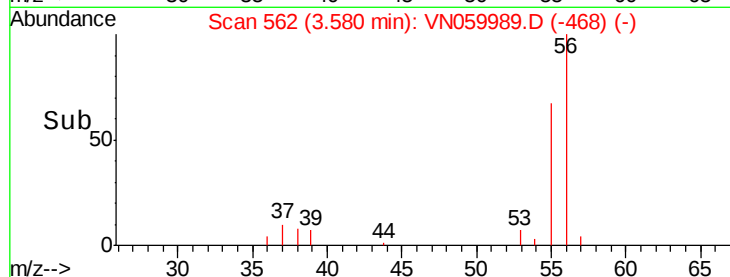
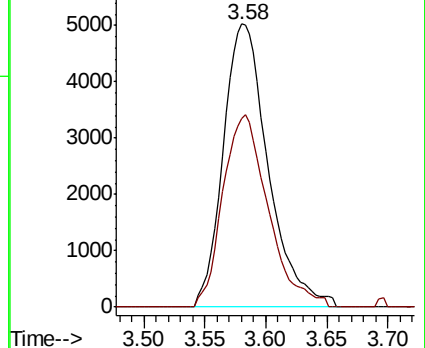
56 100

55 68.6 58.6 88.0



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 19.906 ug/l

RT: 4.29 min Scan# 784

Delta R.T. -0.00 min

Lab File: VN059989.D

Acq: 4 Feb 2020 13:04

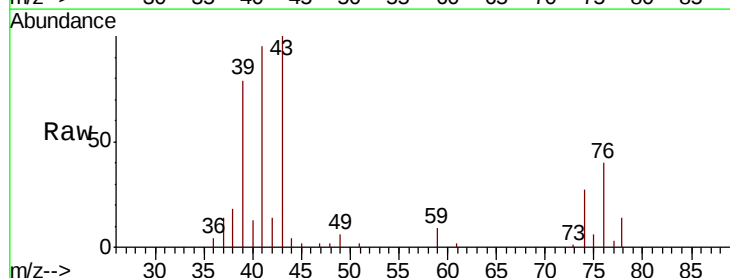
Tgt Ion: 41 Resp: 43638

Ion Ratio Lower Upper

41 100

39 83.8 57.8 86.8

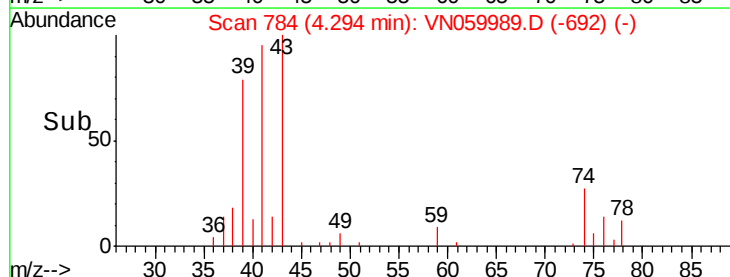
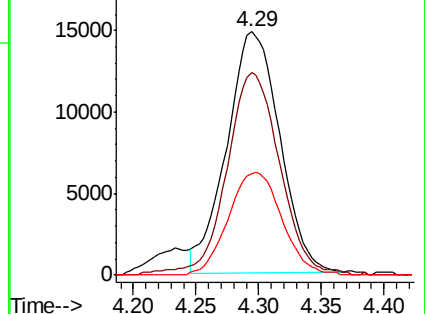
76 42.8 25.4 38.0#

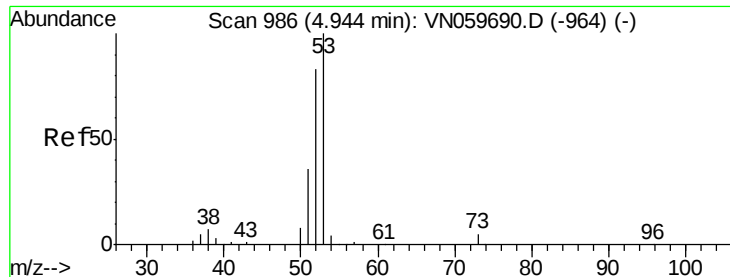


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 105.408 ug/l

RT: 4.95 min Scan# 987

Delta R.T. 0.00 min

Lab File: VN059989.D

Acq: 4 Feb 2020 13:04

Instrument :

MSVOA_N

ClientSampleId :

VN0204MBS01

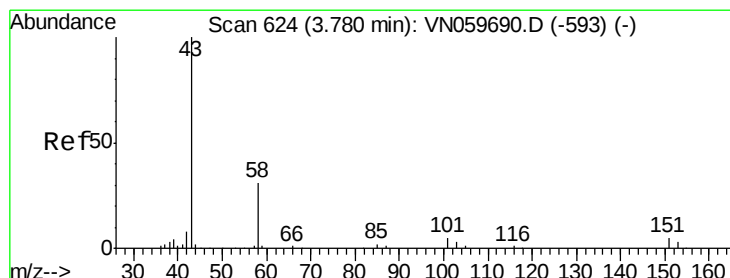
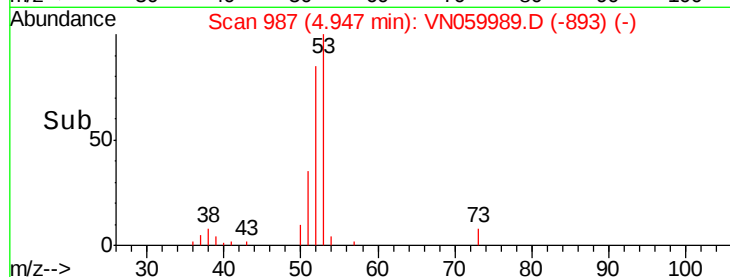
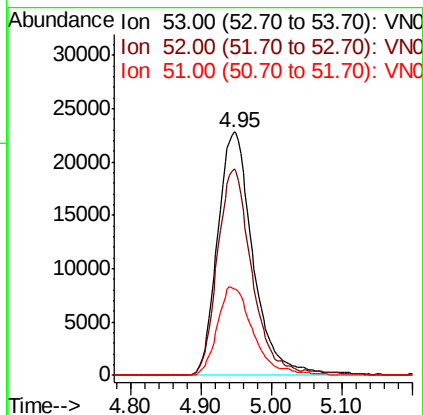
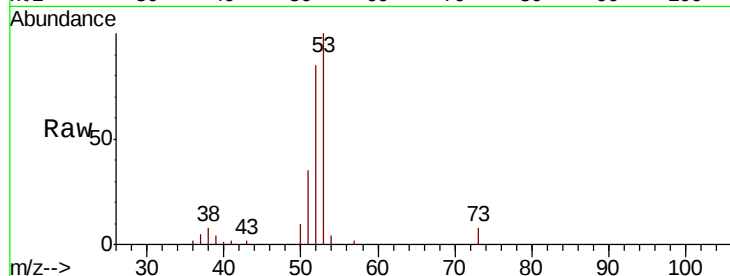
Tot Ion: 53 Resp: 79911

Ion Ratio Lower Upper

53 100

52 81.9 66.3 99.5

51 36.5 29.7 44.5



#16

Acetone

Concen: 110.879 ug/l

RT: 3.78 min Scan# 625

Delta R.T. 0.00 min

Lab File: VN059989.D

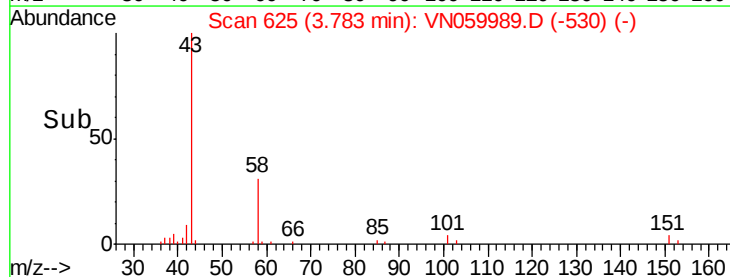
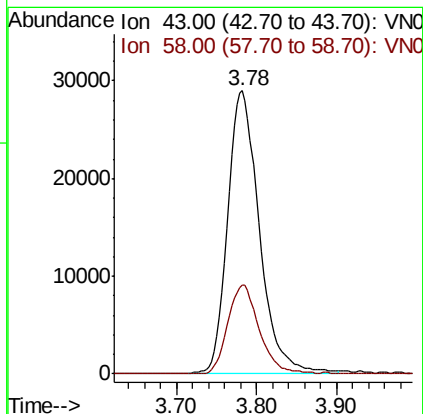
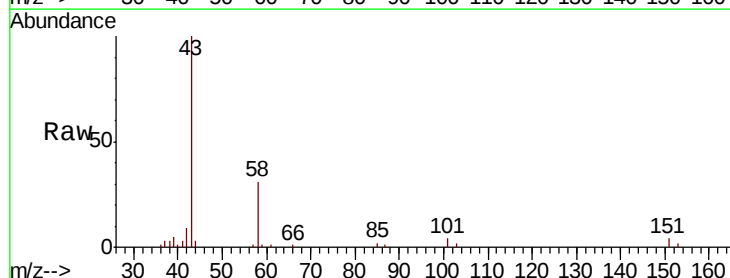
Acq: 4 Feb 2020 13:04

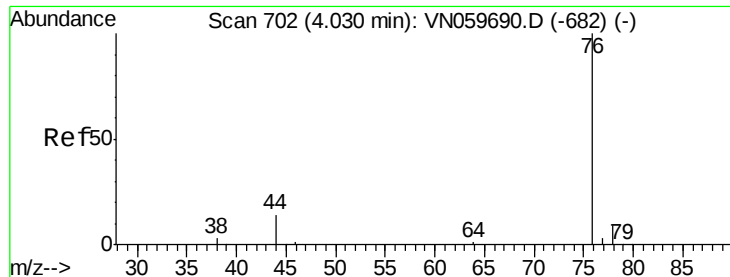
Tgt Ion: 43 Resp: 78411

Ion Ratio Lower Upper

43 100

58 31.4 23.6 35.4

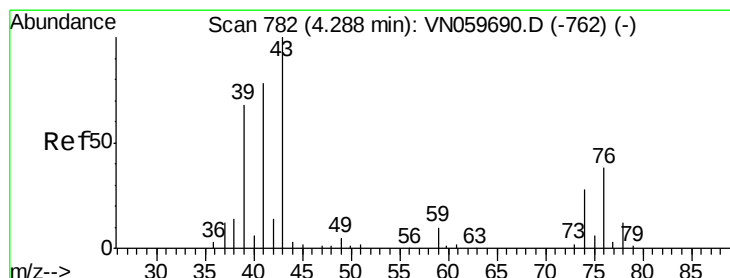
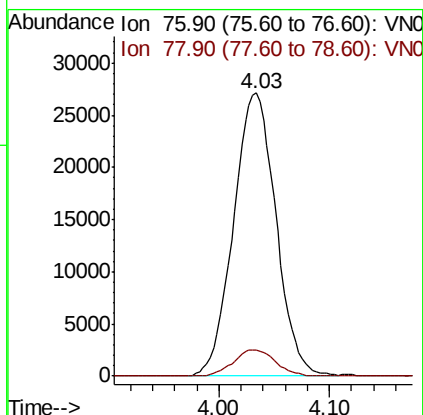
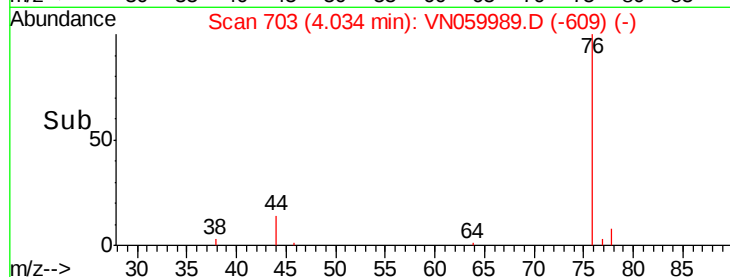
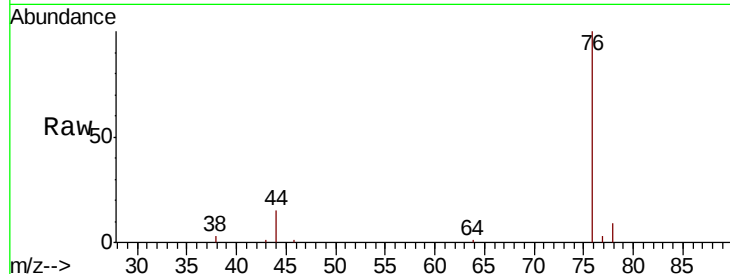




#17
Carbon Disulfide
Concen: 15.581 ug/l
RT: 4.03 min Scan# 703
Delta R.T. 0.00 min
Lab File: VN059989.D
Acq: 4 Feb 2020 13:04

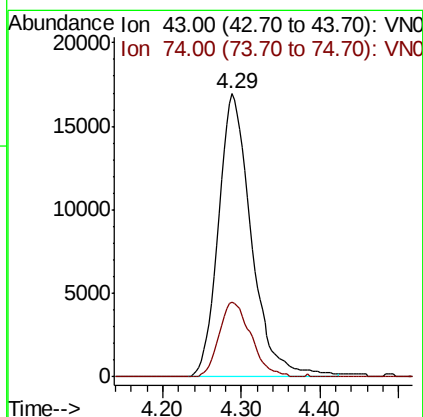
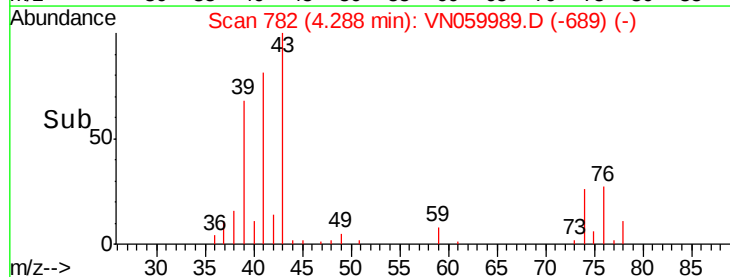
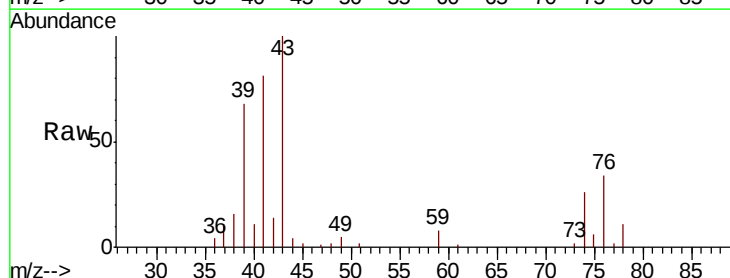
Instrument :
MSVOA_N
ClientSampleId :
VN0204MBS01

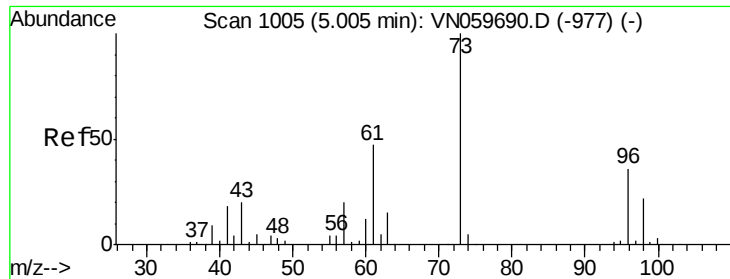
Tot Ion: 76 Resp: 72187
Ion Ratio Lower Upper
76 100
78 9.3 7.4 11.0



#18
Methyl Acetate
Concen: 21.353 ug/l
RT: 4.29 min Scan# 782
Delta R.T. 0.00 min
Lab File: VN059989.D
Acq: 4 Feb 2020 13:04

Tgt Ion: 43 Resp: 49240
Ion Ratio Lower Upper
43 100
74 25.4 17.5 26.3

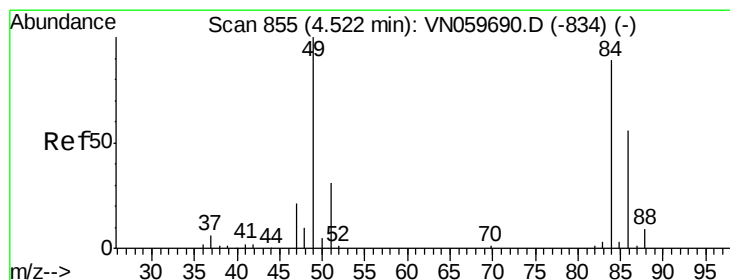
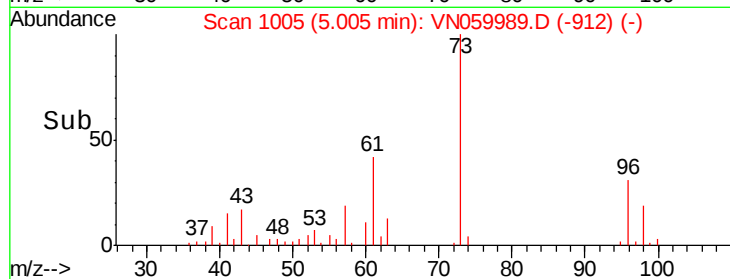
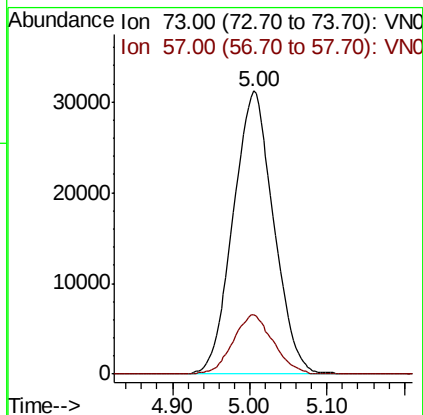
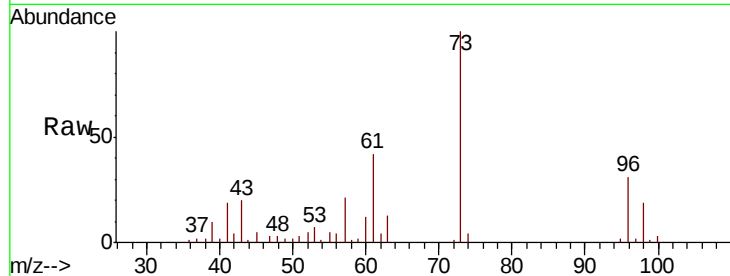




#19
Methvl tert-butvl Ether
Concen: 21.400 ug/l
RT: 5.00 min Scan# 1005
Delta R.T. 0.00 min
Lab File: VN059989.D
Acq: 4 Feb 2020 13:04

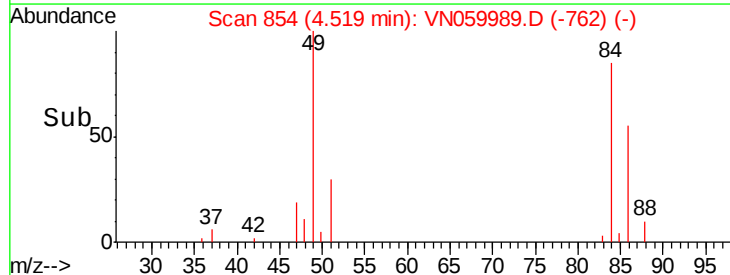
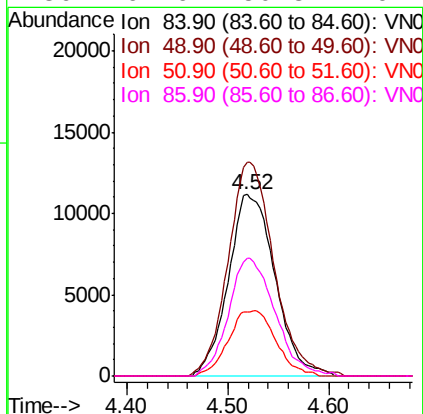
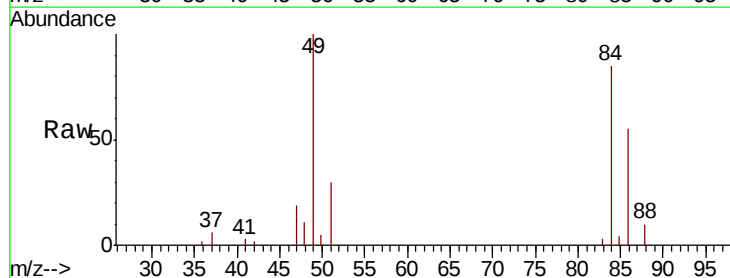
Instrument :
MSVOA_N
ClientSampleId :
VN0204MBS01

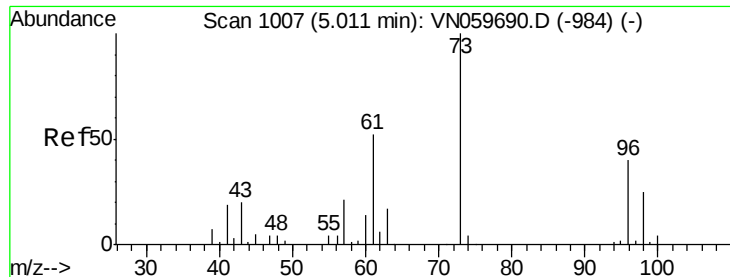
Tot Ion: 73 Resp: 113483
Ion Ratio Lower Upper
73 100
57 21.2 18.6 27.8



#20
Methylene Chloride
Concen: 19.332 ug/l
RT: 4.52 min Scan# 854
Delta R.T. -0.00 min
Lab File: VN059989.D
Acq: 4 Feb 2020 13:04

Tgt Ion: 84 Resp: 35947
Ion Ratio Lower Upper
84 100
49 117.7 106.6 160.0
51 35.2 31.9 47.9
86 64.6 50.8 76.2





#21

trans-1,2-Dichloroethene

Concen: 18.548 ug/l

RT: 5.01 min Scan# 1006

Delta R.T. -0.00 min

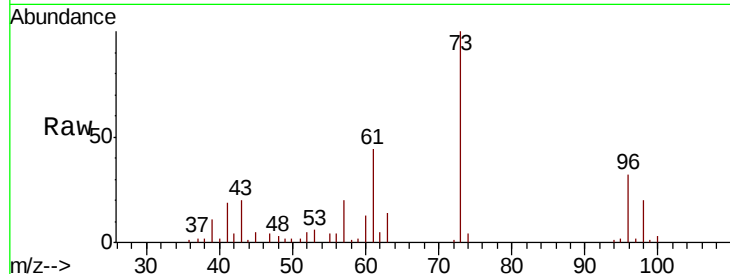
Lab File: VN059989.D

Acq: 4 Feb 2020 13:04

Instrument :
MSVOA_N
ClientSampleId :
VN0204MBS01

Tot Ion: 96 Resp: 32067

Ion	Ratio	Lower	Upper
96	100		
61	137.4	120.4	180.6
98	61.9	50.6	75.8

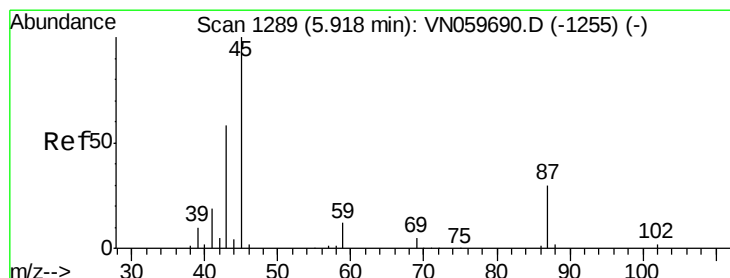
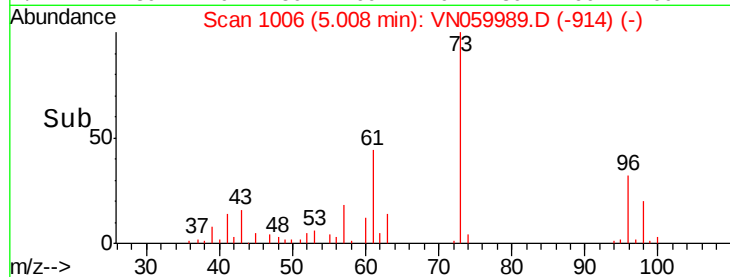
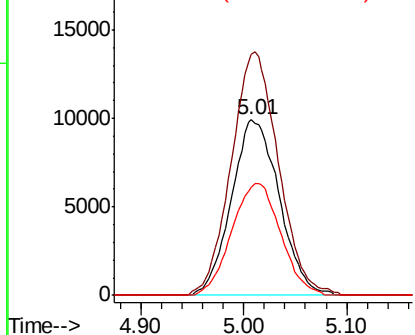


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 21.146 ug/l

RT: 5.91 min Scan# 1288

Delta R.T. -0.00 min

Lab File: VN059989.D

Acq: 4 Feb 2020 13:04

Tgt Ion: 45 Resp: 105051

Ion	Ratio	Lower	Upper
45	100		
43	70.3	50.8	76.2
87	32.0	21.0	31.6
59	12.9	9.1	13.7

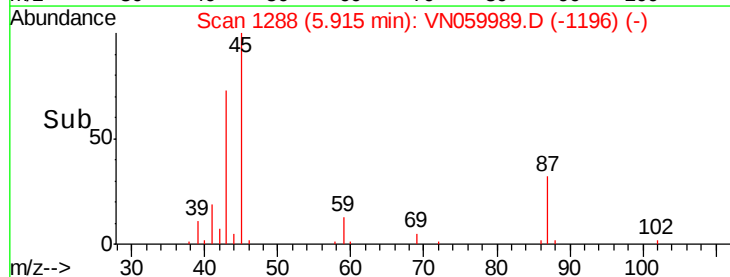
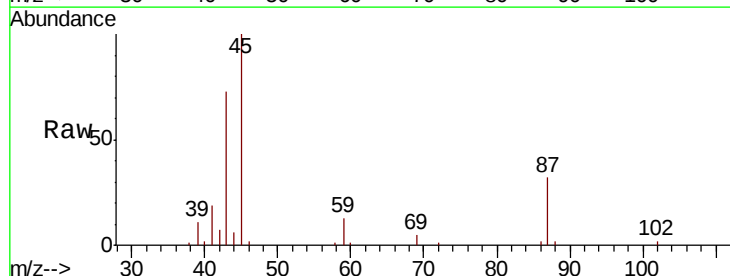
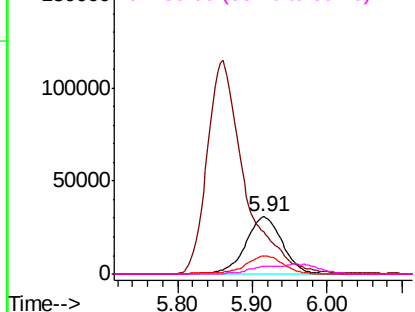
Abundance

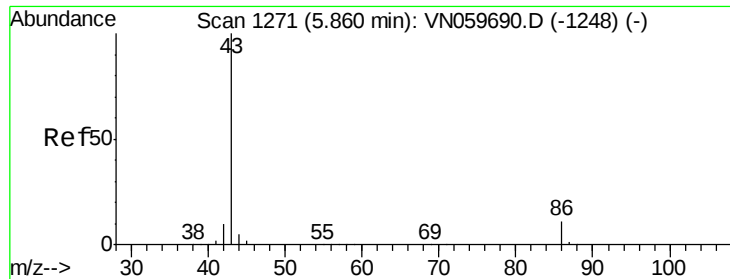
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





#23

Vinyl Acetate

Concen: 103.898 ug/l

RT: 5.86 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VN059989.D

Acq: 4 Feb 2020 13:04

Instrument :

MSVOA_N

ClientSampleId :

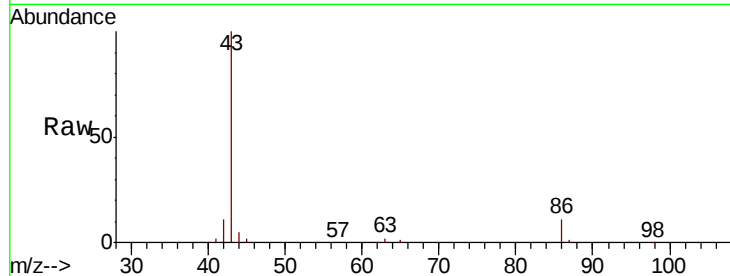
VN0204MBS01

Tot Ion: 43 Resp: 399639

Ion Ratio Lower Upper

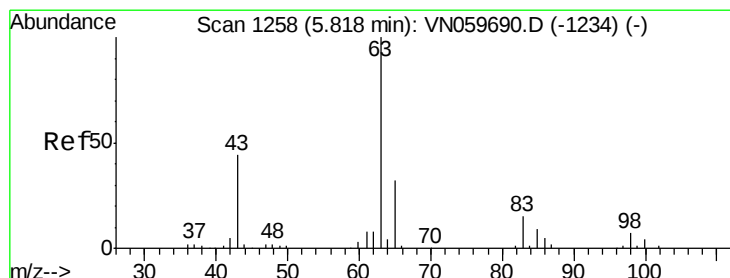
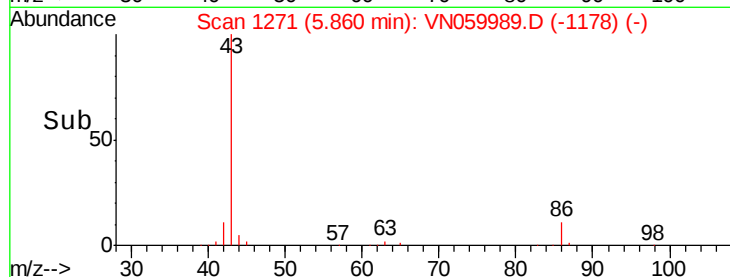
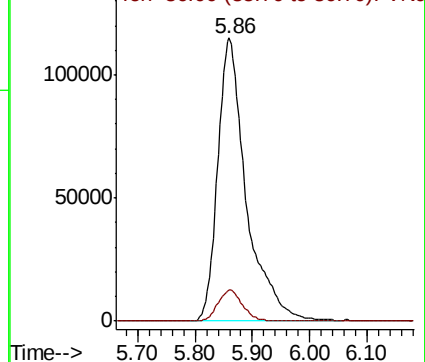
43 100

86 11.0 7.6 11.4



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 20.368 ug/l

RT: 5.81 min Scan# 1257

Delta R.T. -0.00 min

Lab File: VN059989.D

Acq: 4 Feb 2020 13:04

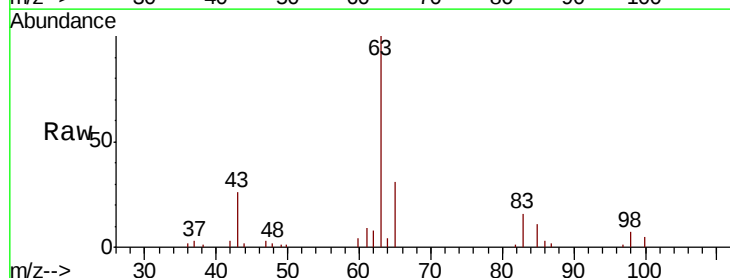
Tgt Ion: 63 Resp: 61828

Ion Ratio Lower Upper

63 100

98 7.0 2.9 8.7

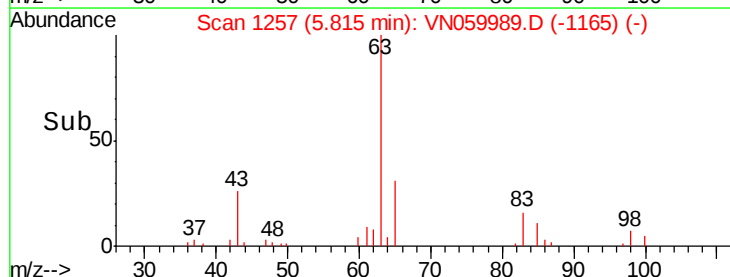
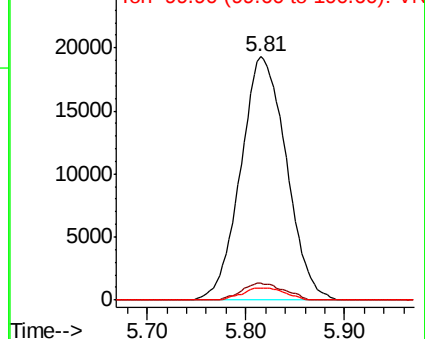
100 5.0 2.0 6.0

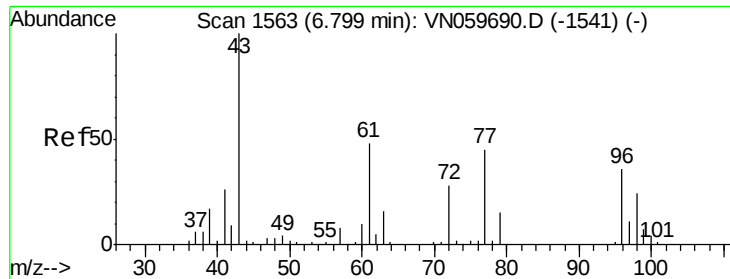


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 98.168 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VN059989.D

Acq: 4 Feb 2020 13:04

Instrument :

MSVOA_N

ClientSampleId :

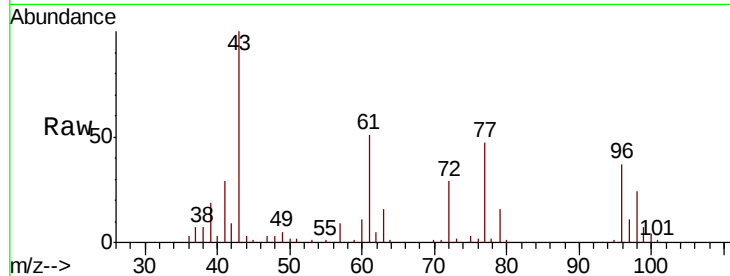
VN0204MBS01

Tot Ion: 43 Resp: 109750

Ion Ratio Lower Upper

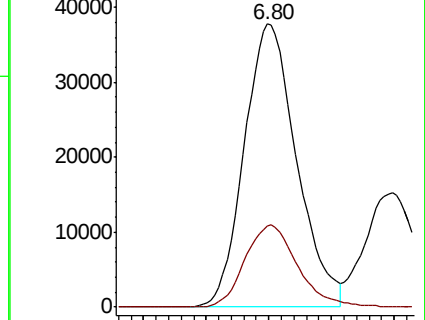
43 100

72 28.7 19.9 29.9

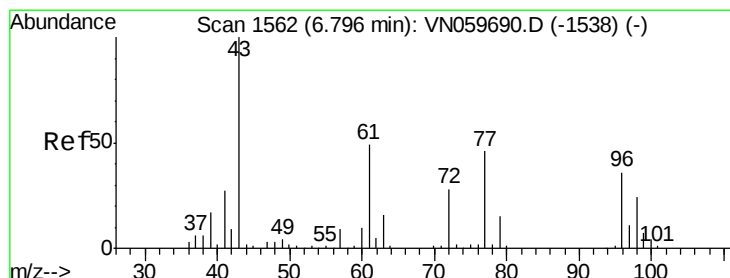
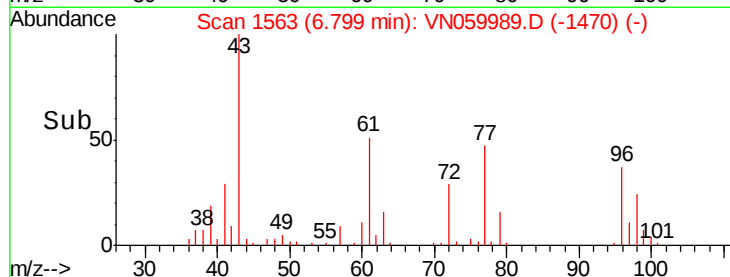


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



Time-->



#26

2,2-Dichloropropane

Concen: 19.945 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. 0.00 min

Lab File: VN059989.D

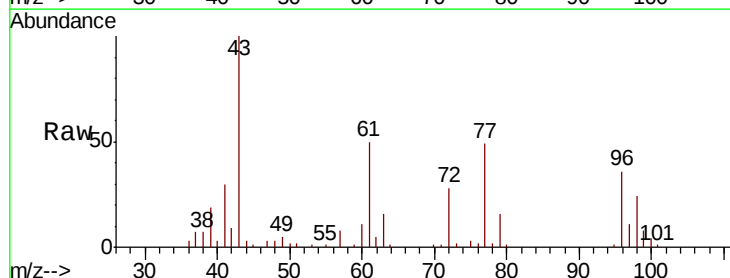
Acq: 4 Feb 2020 13:04

Tgt Ion: 77 Resp: 58207

Ion Ratio Lower Upper

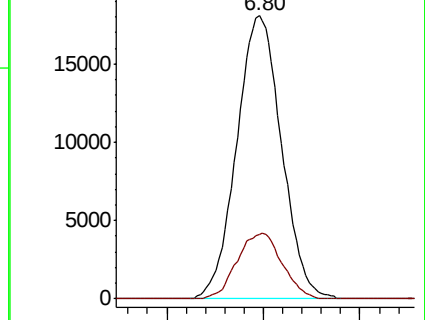
77 100

97 23.3 10.7 31.9

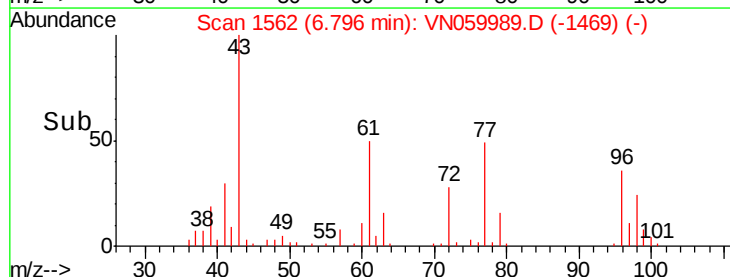


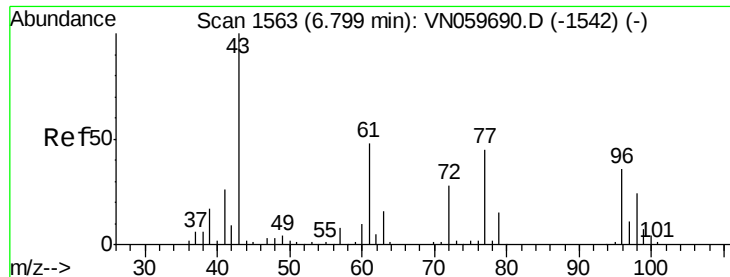
Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0



Time-->





#27

cis-1,2-Dichloroethene

Concen: 20.211 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VN059989.D

Acq: 4 Feb 2020 13:04

Instrument :

MSVOA_N

ClientSampled :

VN0204MBS01

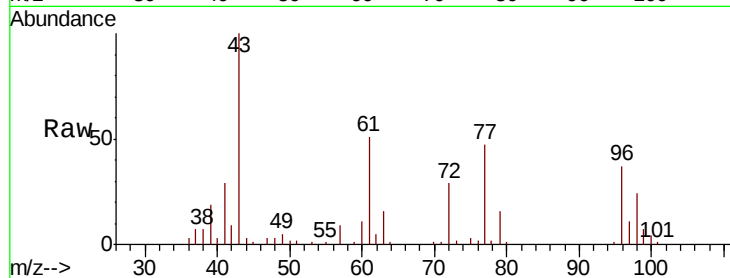
Tot Ion: 96 Resp: 40189

Ion Ratio Lower Upper

96 100

61 141.6 0.0 317.6

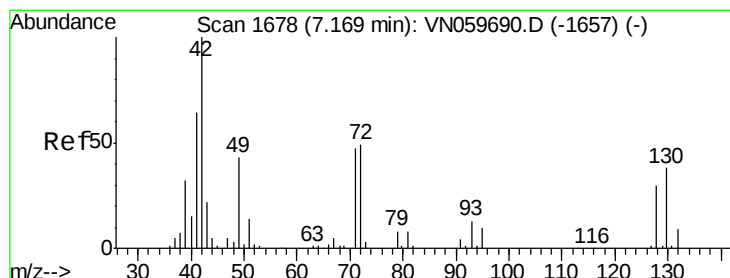
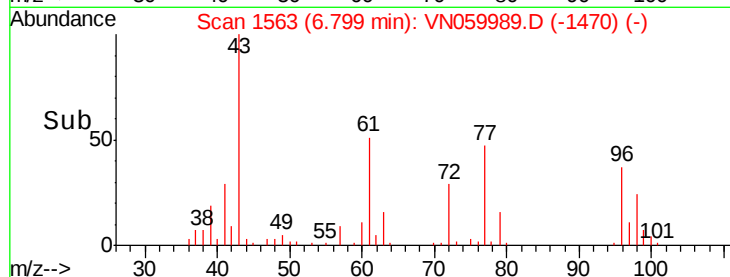
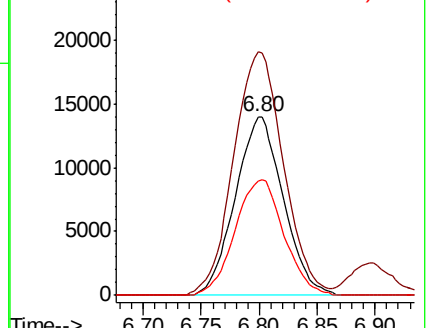
98 65.9 0.0 127.0



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 21.490 ug/l

RT: 7.17 min Scan# 1677

Delta R.T. -0.00 min

Lab File: VN059989.D

Acq: 4 Feb 2020 13:04

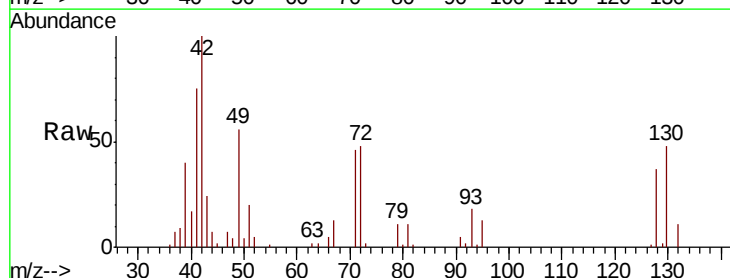
Tgt Ion: 49 Resp: 26073

Ion Ratio Lower Upper

49 100

129 0.8 0.0 3.4

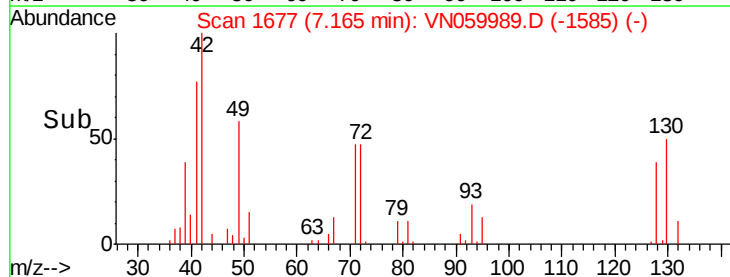
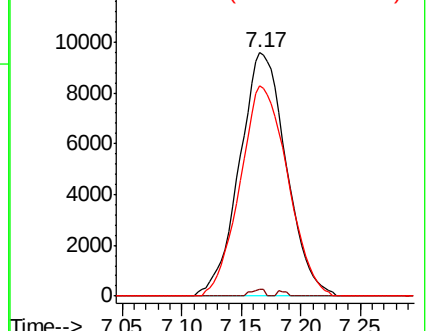
130 87.9 54.7 82.1#

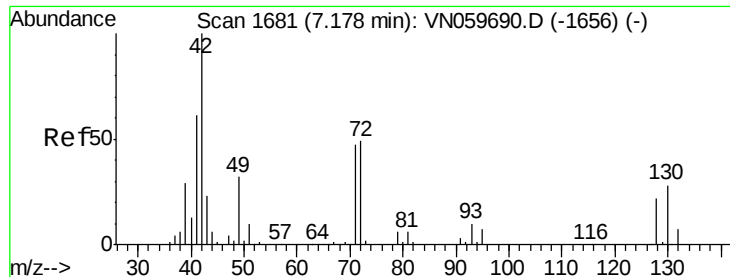


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

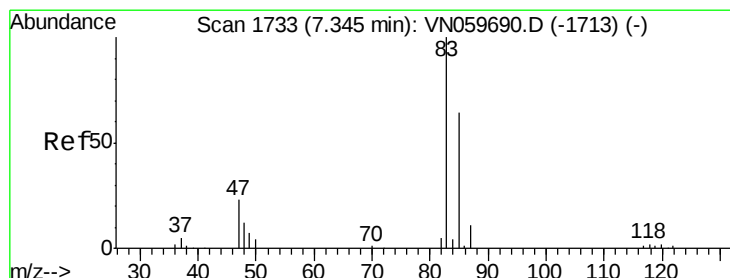
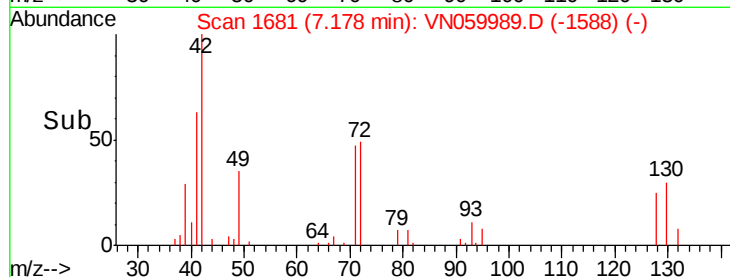
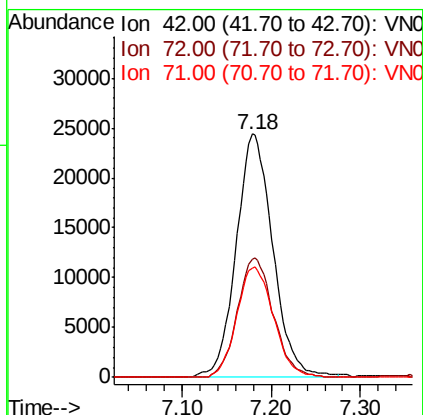
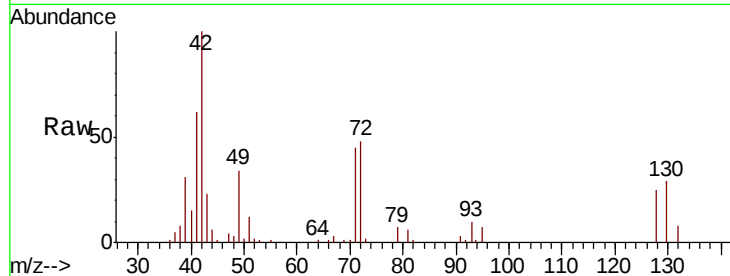




#29
Tetrahydrofuran
Concen: 100.699 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VN059989.D
Acq: 4 Feb 2020 13:04

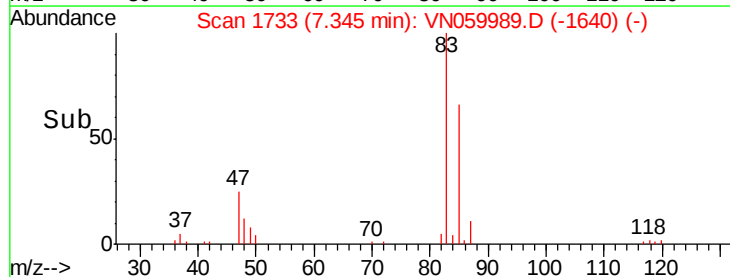
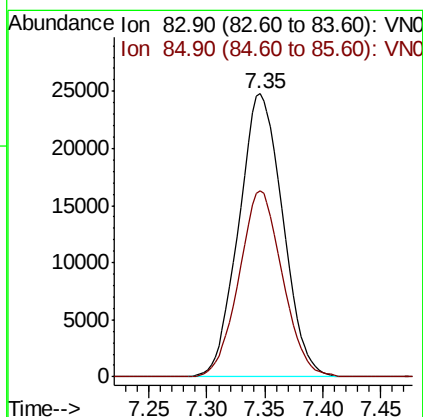
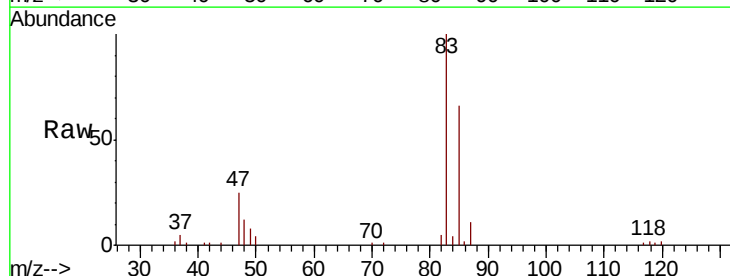
Instrument :
MSVOA_N
ClientSampleId :
VN0204MBS01

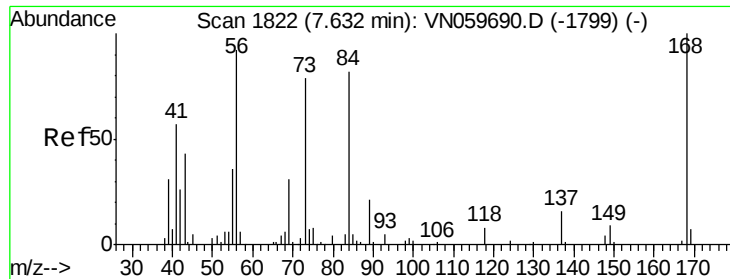
Tot Ion: 42 Resp: 69655
Ion Ratio Lower Upper
42 100
72 48.0 33.1 49.7
71 45.5 31.4 47.0



#30
Chloroform
Concen: 20.796 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. 0.00 min
Lab File: VN059989.D
Acq: 4 Feb 2020 13:04

Tgt Ion: 83 Resp: 65408
Ion Ratio Lower Upper
83 100
85 66.0 52.4 78.6

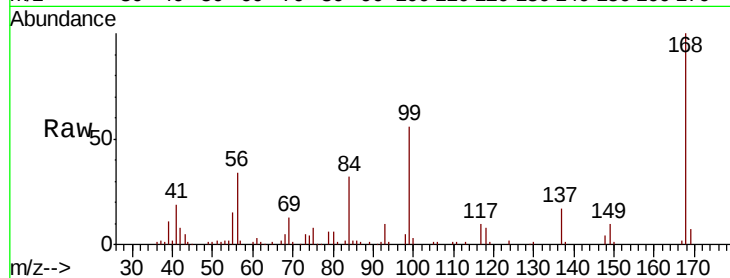




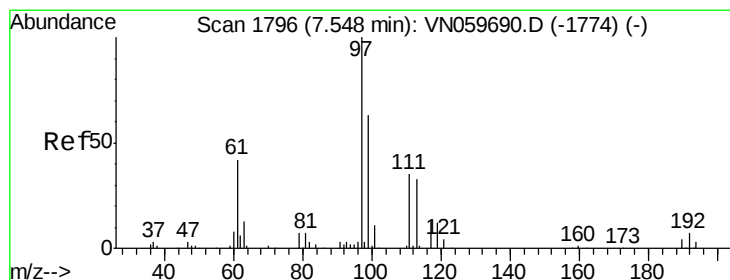
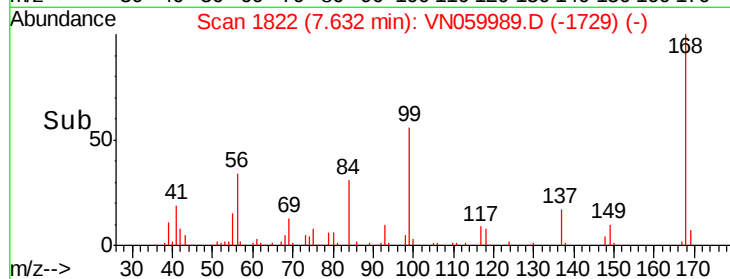
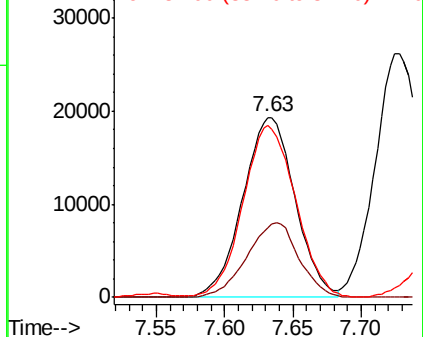
#31
Cyclohexane
Concen: 17.638 ug/l
RT: 7.63 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VN059989.D
Acq: 4 Feb 2020 13:04

Instrument :
MSVOA_N
ClientSampleId :
VN0204MBS01

Tot Ion: 56 Resp: 51520
Ion Ratio Lower Upper
56 100
69 38.8 26.5 39.7
84 94.4 65.3 97.9

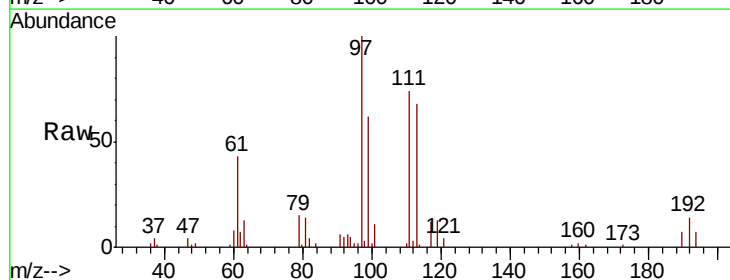


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

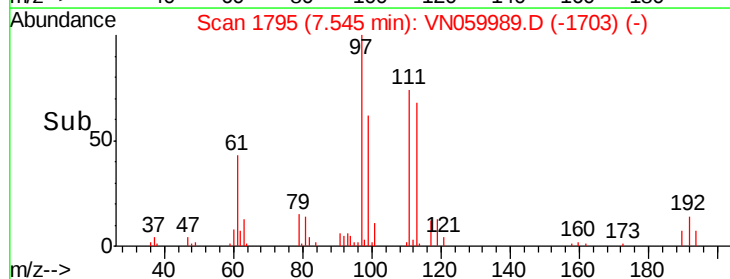
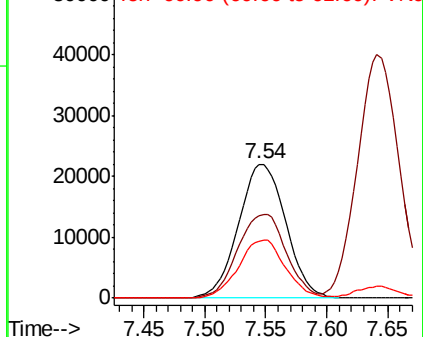


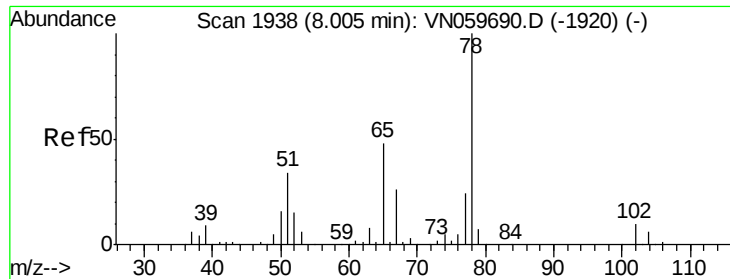
#32
1,1,1-Trichloroethane
Concen: 20.295 ug/l
RT: 7.54 min Scan# 1795
Delta R.T. -0.00 min
Lab File: VN059989.D
Acq: 4 Feb 2020 13:04

Tgt Ion: 97 Resp: 59019
Ion Ratio Lower Upper
97 100
99 64.3 51.0 76.4
61 43.0 38.5 57.7



Abundance Ion 96.90 (96.60 to 97.60): VN0
Ion 98.90 (98.60 to 99.60): VN0
Ion 60.90 (60.60 to 61.60): VN0

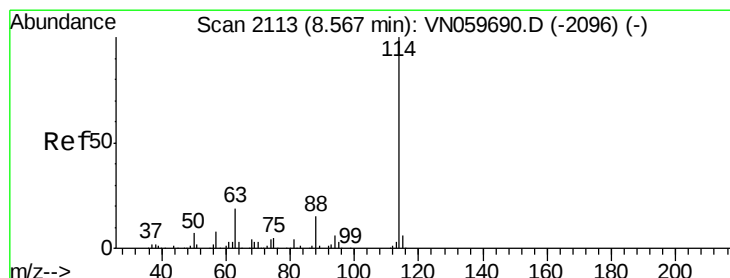
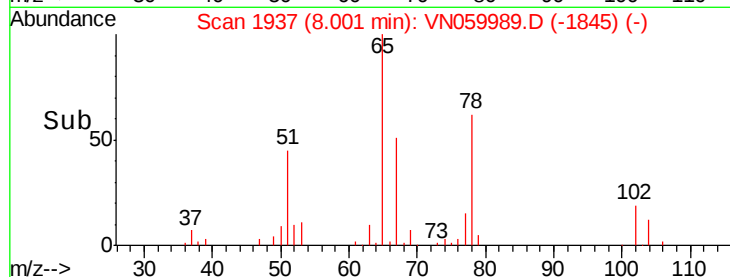
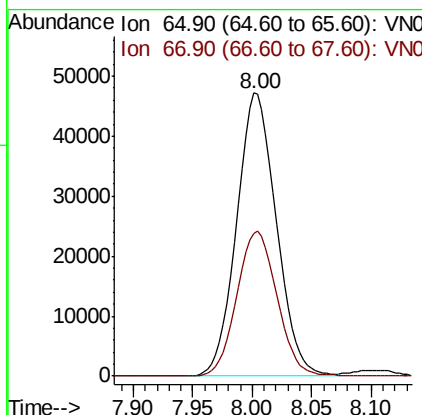
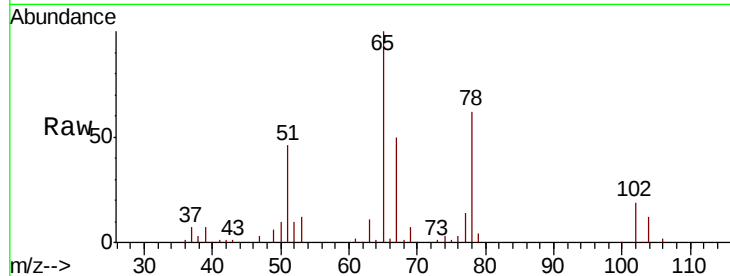




#33
 1,2-Dichloroethane-d4
 Concen: 55.409 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VN059989.D
 Acq: 4 Feb 2020 13:04

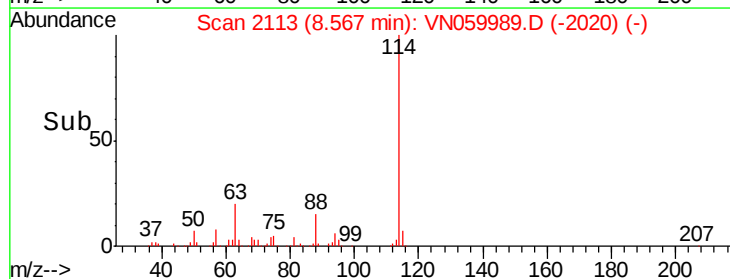
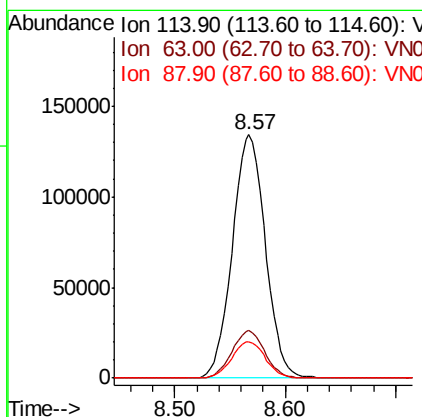
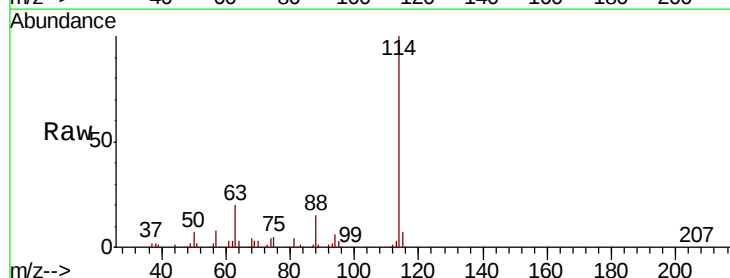
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0204MBS01

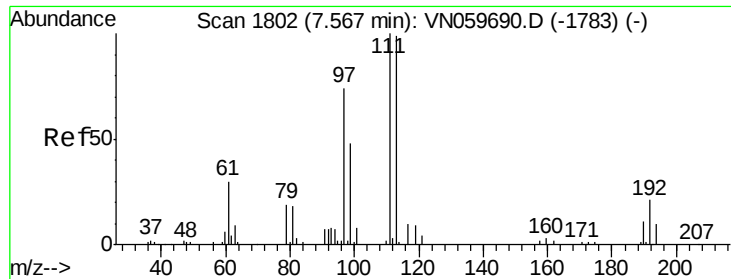
Tot Ion: 65 Resp: 109389
 Ion Ratio Lower Upper
 65 100
 67 51.6 0.0 103.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VN059989.D
 Acq: 4 Feb 2020 13:04

Tgt Ion: 114 Resp: 278985
 Ion Ratio Lower Upper
 114 100
 63 19.6 0.0 43.6
 88 14.8 0.0 31.4

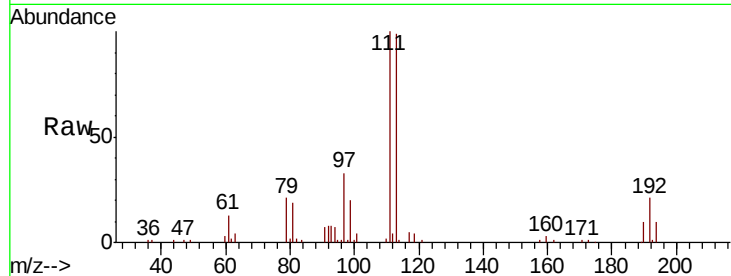




#35
 Dibromofluoromethane
 Concen: 53.933 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. 0.00 min
 Lab File: VN059989.D
 Acq: 4 Feb 2020 13:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0204MBS01

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.8	83.5	125.3
192	20.6	15.4	23.2

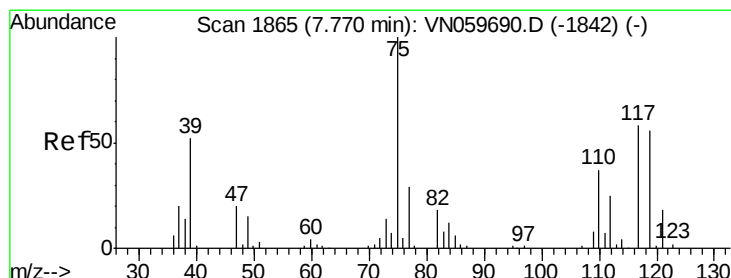
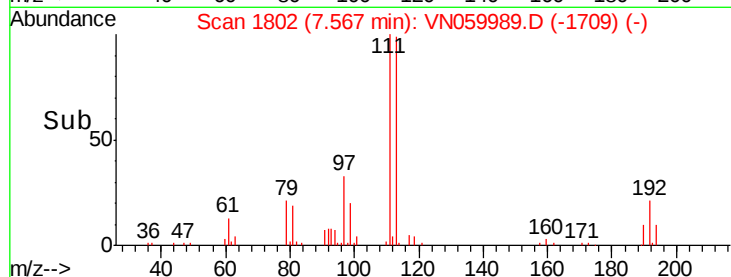
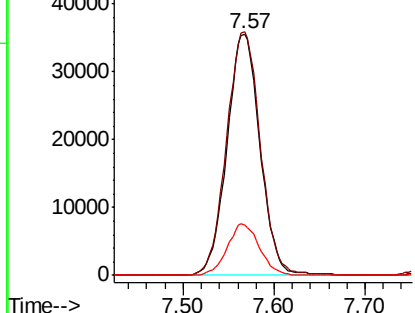


Abundance

Ion 112.80 (112.50 to 113.50): V

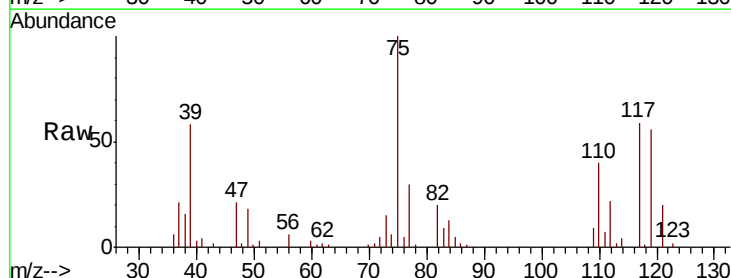
Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36
 1,1-Dichloropropene
 Concen: 18.925 ug/l
 RT: 7.77 min Scan# 1865
 Delta R.T. 0.00 min
 Lab File: VN059989.D
 Acq: 4 Feb 2020 13:04

Tgt Ion	Ratio	Lower	Upper
75	100		
110	37.8	16.6	49.7
77	30.7	25.1	37.7

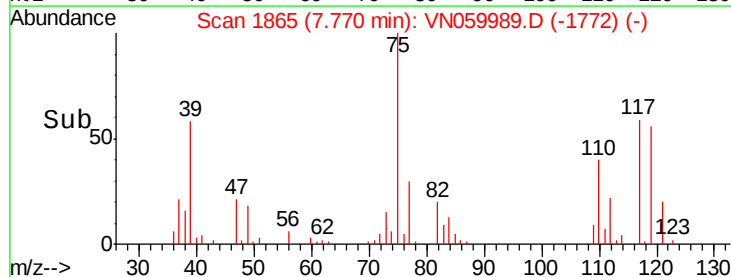
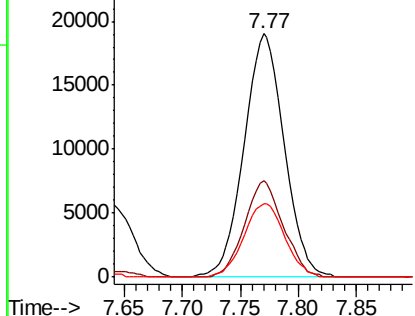


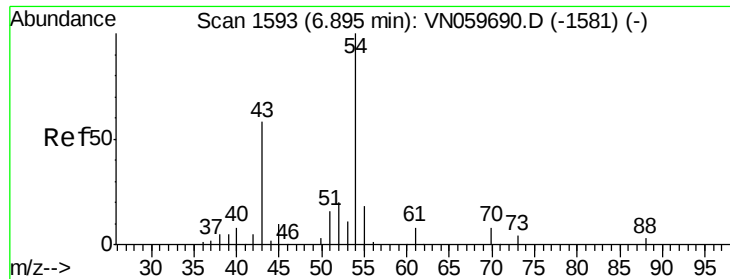
Abundance

Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

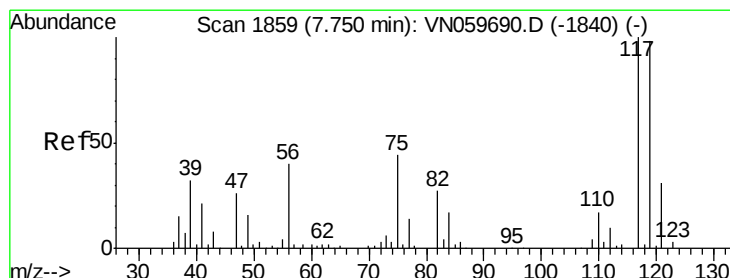
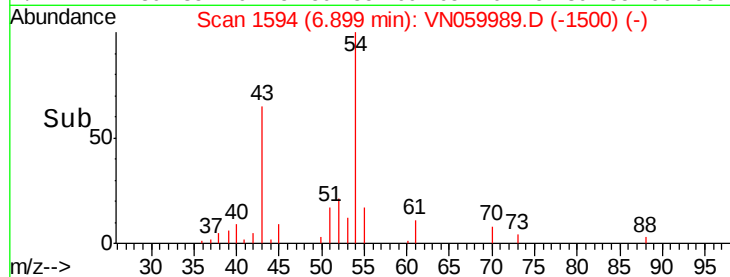
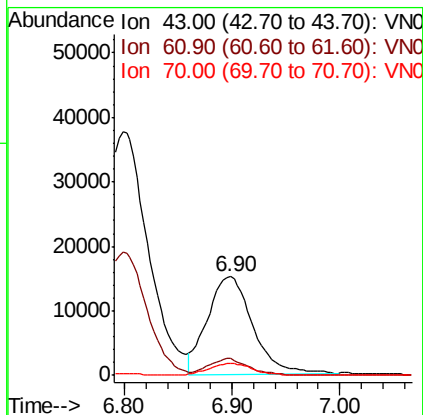
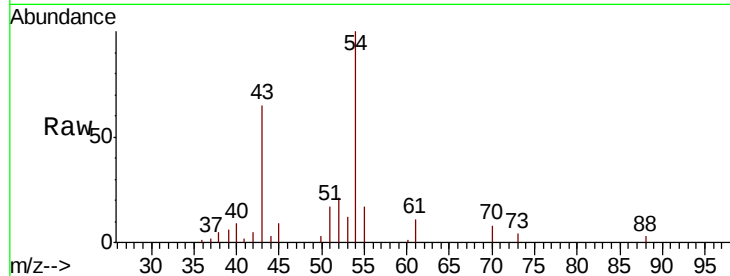




#37
Ethyl Acetate
Concen: 19.216 ug/l
RT: 6.90 min Scan# 1594
Delta R.T. 0.00 min
Lab File: VN059989.D
Acq: 4 Feb 2020 13:04

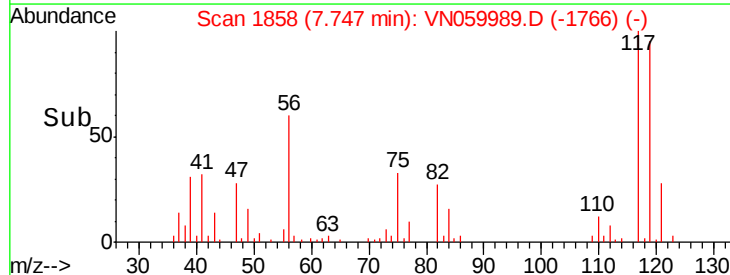
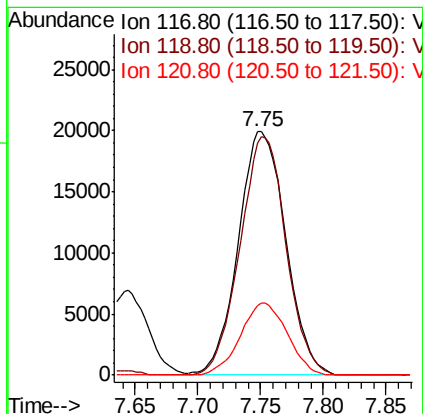
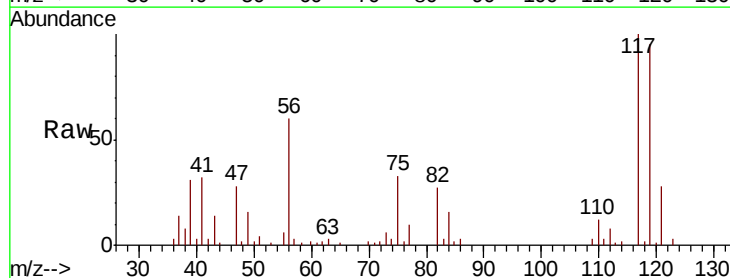
Instrument :
MSVOA_N
ClientSampled :
VN0204MBS01

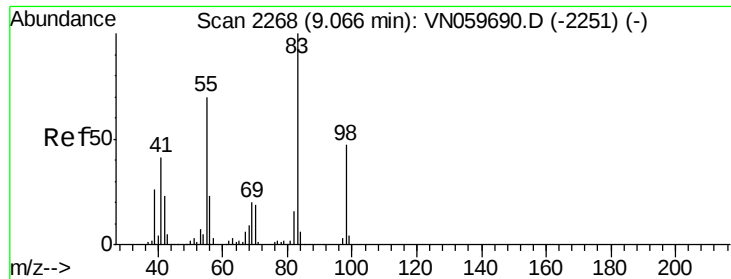
Tot Ion: 43 Resp: 43787
Ion Ratio Lower Upper
43 100
61 15.3 10.9 16.3
70 11.7 7.7 11.5#



#38
Carbon Tetrachloride
Concen: 19.839 ug/l
RT: 7.75 min Scan# 1858
Delta R.T. -0.00 min
Lab File: VN059989.D
Acq: 4 Feb 2020 13:04

Tgt Ion: 117 Resp: 52431
Ion Ratio Lower Upper
117 100
119 95.4 76.5 114.7
121 28.4 25.1 37.7

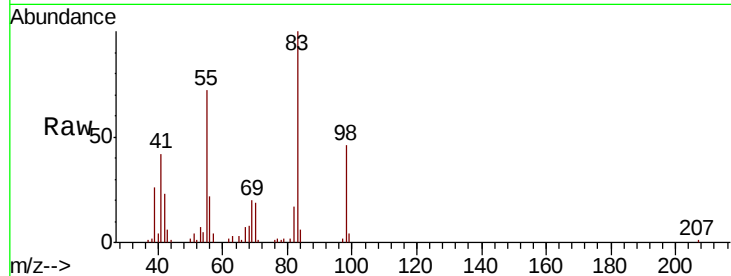




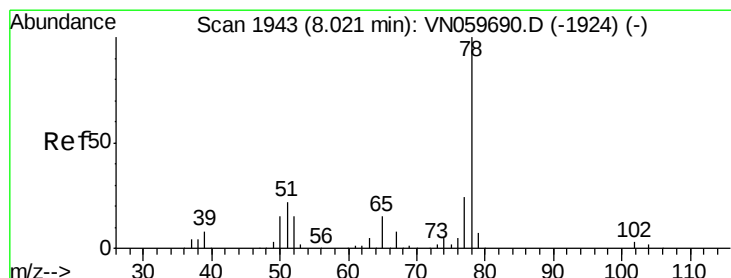
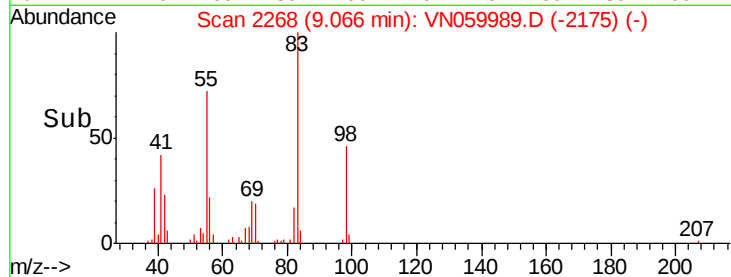
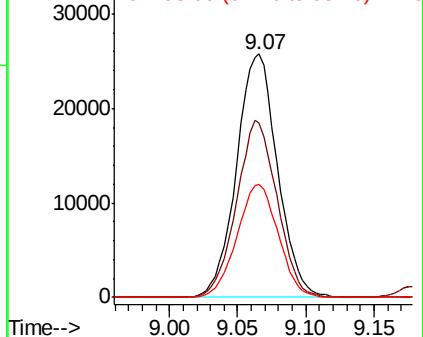
#39
Methvlcvclohexane
Concen: 17.927 ug/l
RT: 9.07 min Scan# 2268
Delta R.T. 0.00 min
Lab File: VN059989.D
Acq: 4 Feb 2020 13:04

Instrument :
MSVOA_N
ClientSampleId :
VN0204MBS01

Tot Ion: 83 Resp: 53703
Ion Ratio Lower Upper
83 100
55 71.5 64.2 96.2
98 46.2 35.9 53.9

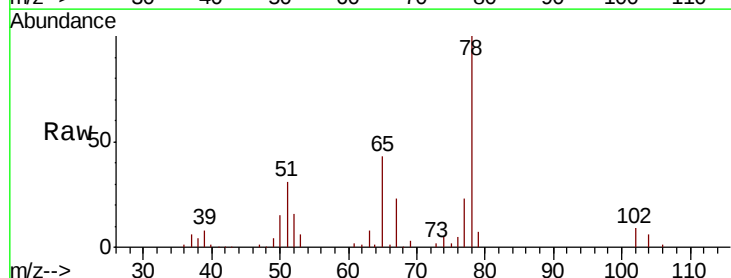


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

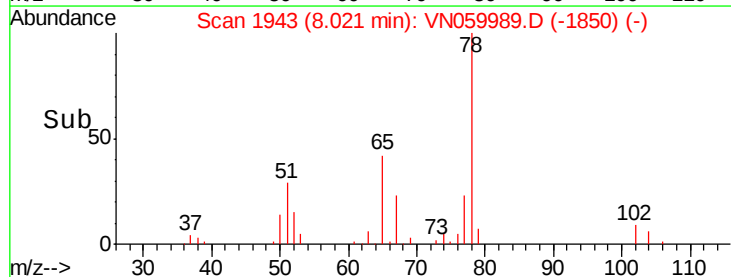
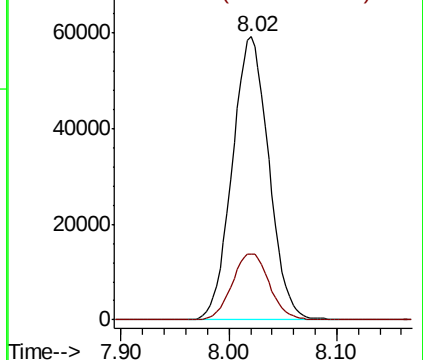


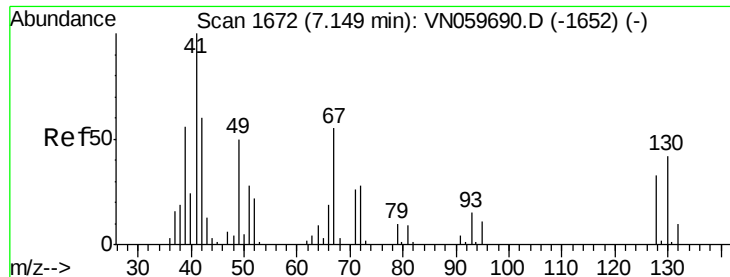
#40
Benzene
Concen: 19.277 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. 0.00 min
Lab File: VN059989.D
Acq: 4 Feb 2020 13:04

Tgt Ion: 78 Resp: 139676
Ion Ratio Lower Upper
78 100
77 23.4 18.9 28.3



Abundance Ion 78.00 (77.70 to 78.70): VN0
Ion 77.00 (76.70 to 77.70): VN0

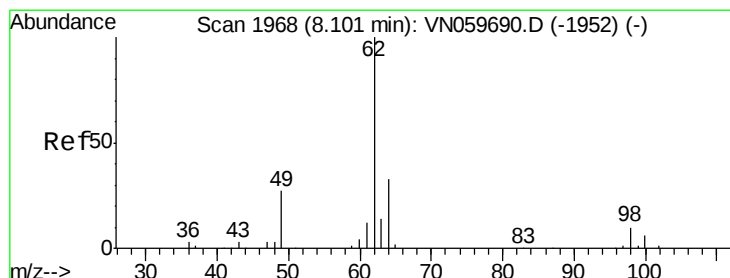
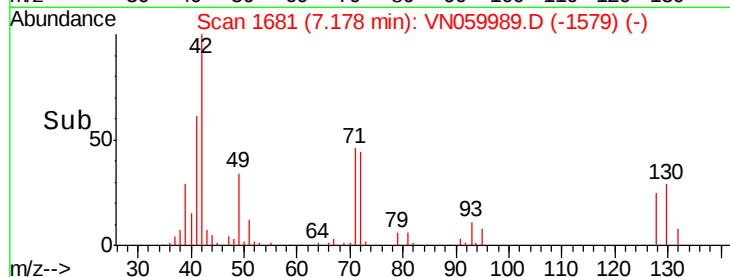
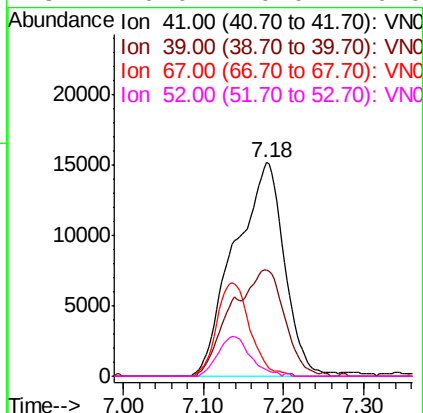
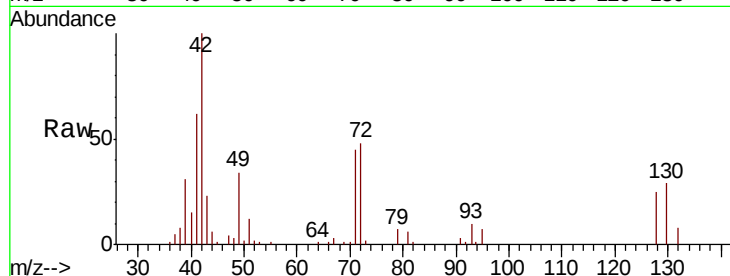




#41
Methacrylonitrile
Concen: 57.839 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.03 min
Lab File: VN059989.D
Acq: 4 Feb 2020 13:04

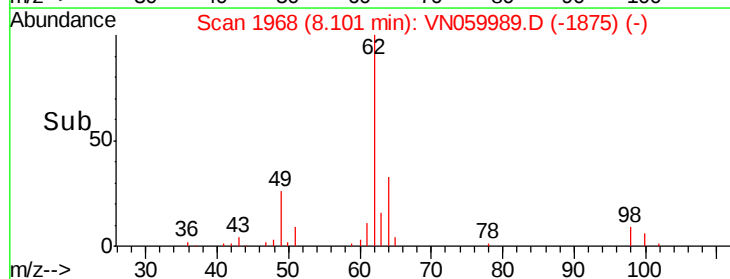
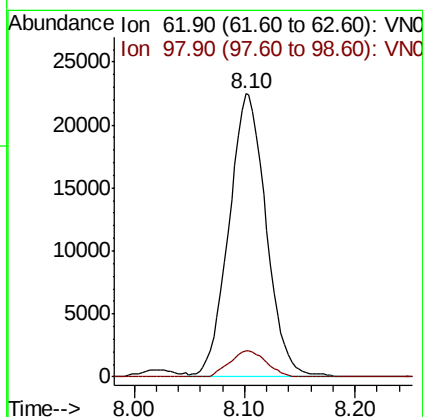
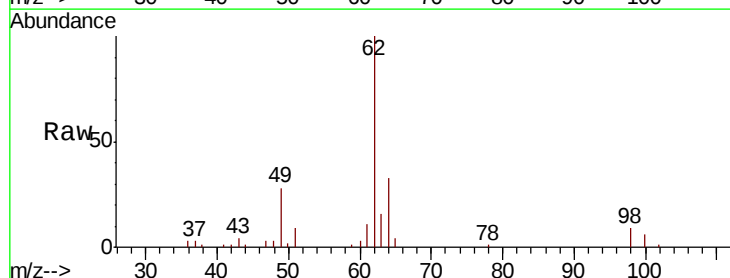
Instrument :
MSVOA_N
ClientSampleId :
VN0204MBS01

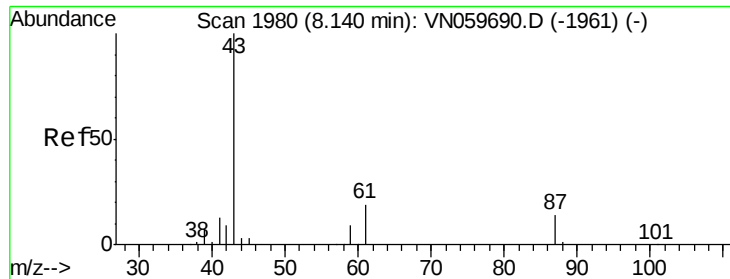
Tot Ion:	41	Resp:	64917
Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0



#42
1,2-Dichloroethane
Concen: 21.418 ug/l
RT: 8.10 min Scan# 1968
Delta R.T. 0.00 min
Lab File: VN059989.D
Acq: 4 Feb 2020 13:04

Tgt Ion:	62	Resp:	52618
Ion	Ratio	Lower	Upper
62	100		
98	9.0	0.0	15.8





#43

Isopropyl Acetate

Concen: 20.021 ug/l

RT: 8.14 min Scan# 1980

Delta R.T. 0.00 min

Lab File: VN059989.D

Acq: 4 Feb 2020 13:04

Instrument :

MSVOA_N

ClientSampleId :

VN0204MBS01

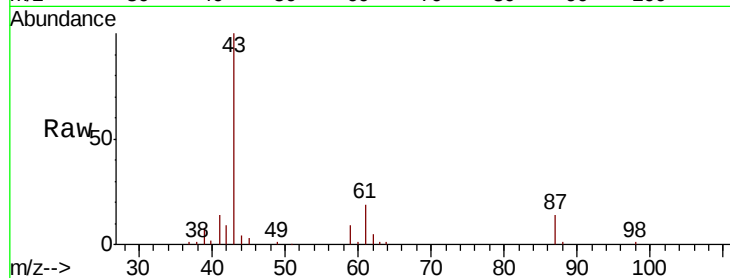
Tot Ion: 43 Resp: 78469

Ion Ratio Lower Upper

43 100

61 26.8 20.2 30.2

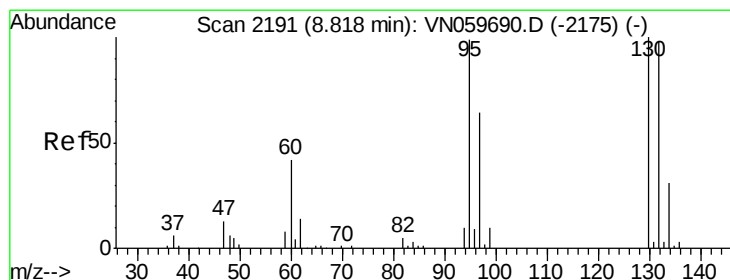
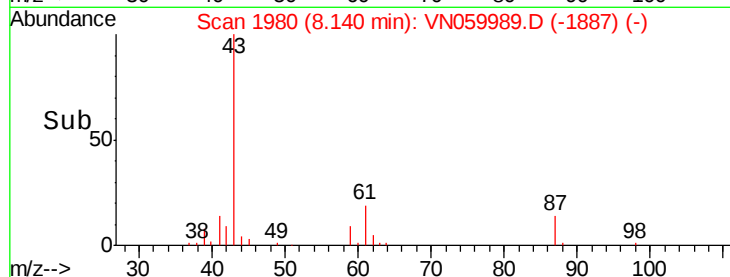
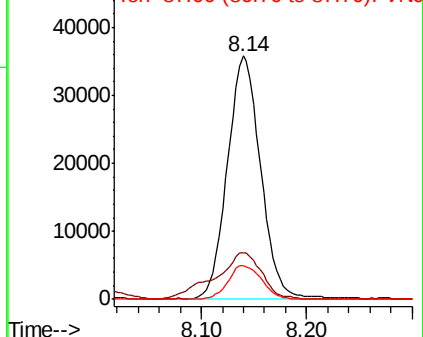
87 13.9 9.5 14.3



Abundance Ion 43.00 (42.70 to 43.70): VN059989.D (-1961) (-)

Ion 61.00 (60.70 to 61.70): VN059989.D (-1961) (-)

Ion 87.00 (86.70 to 87.70): VN059989.D (-1961) (-)



#44

Trichloroethene

Concen: 20.552 ug/l

RT: 8.82 min Scan# 2191

Delta R.T. 0.00 min

Lab File: VN059989.D

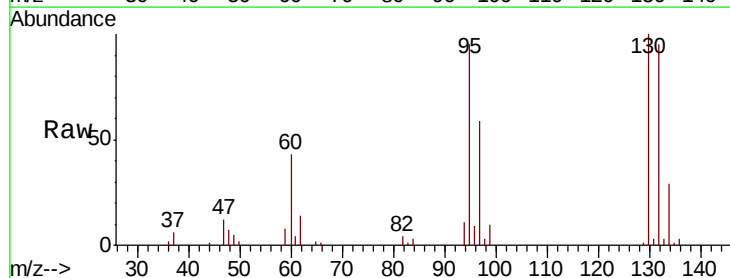
Acq: 4 Feb 2020 13:04

Tgt Ion:130 Resp: 40652

Ion Ratio Lower Upper

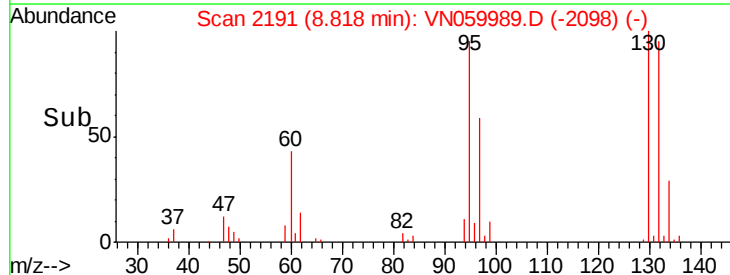
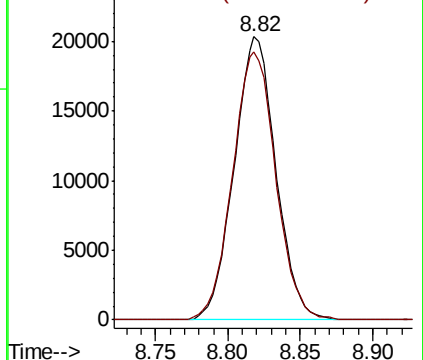
130 100

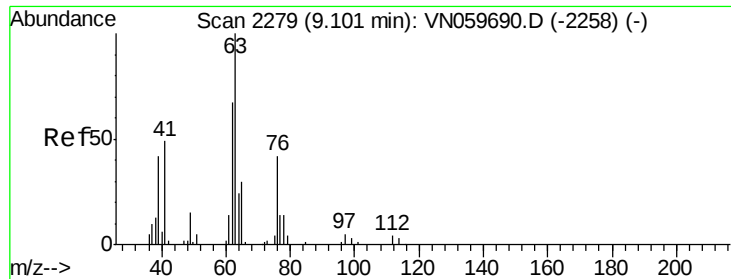
95 94.8 0.0 207.0



Abundance Ion 129.80 (129.50 to 130.50): VN059989.D (-2191) (-)

Ion 94.90 (94.60 to 95.60): VN059989.D (-2191) (-)





#45

1,2-Dichloropropane

Concen: 20.863 ug/l

RT: 9.10 min Scan# 2279

Delta R.T. 0.00 min

Lab File: VN059989.D

Acq: 4 Feb 2020 13:04

Instrument :

MSVOA_N

ClientSampleId :

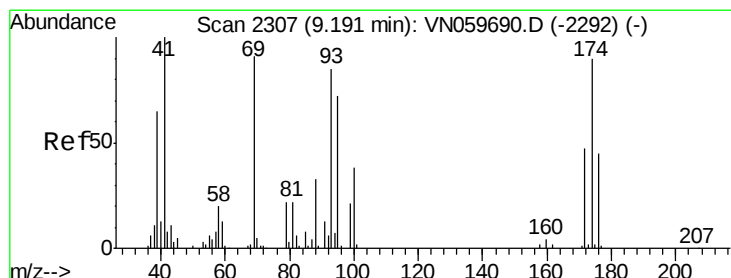
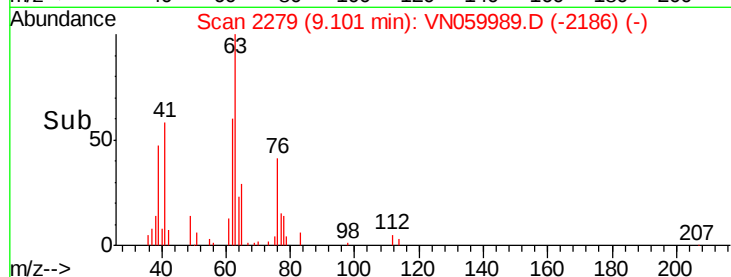
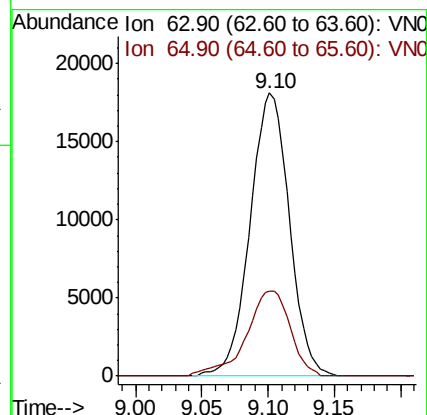
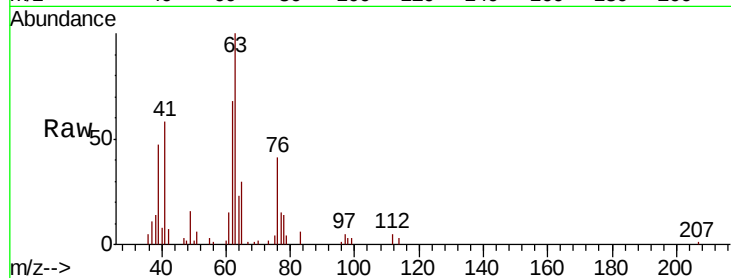
VN0204MBS01

Tot Ion: 63 Resp: 37406

Ion Ratio Lower Upper

63 100

65 30.2 24.9 37.3



#46

Dibromomethane

Concen: 21.224 ug/l

RT: 9.19 min Scan# 2308

Delta R.T. 0.00 min

Lab File: VN059989.D

Acq: 4 Feb 2020 13:04

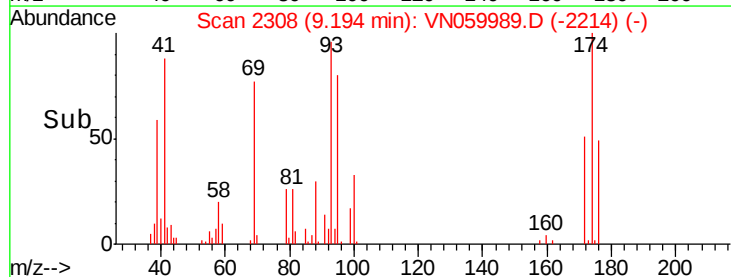
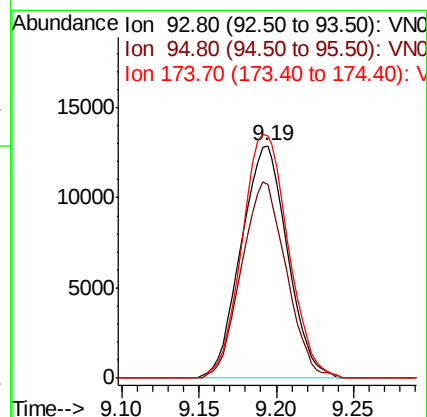
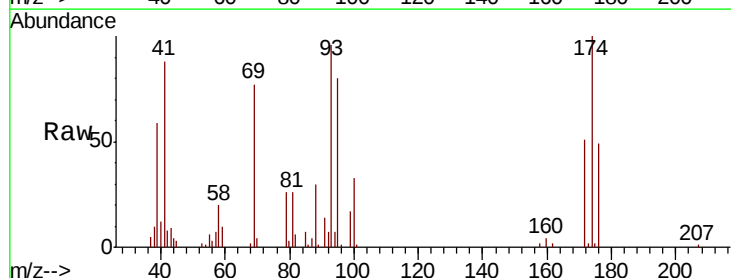
Tgt Ion: 93 Resp: 26843

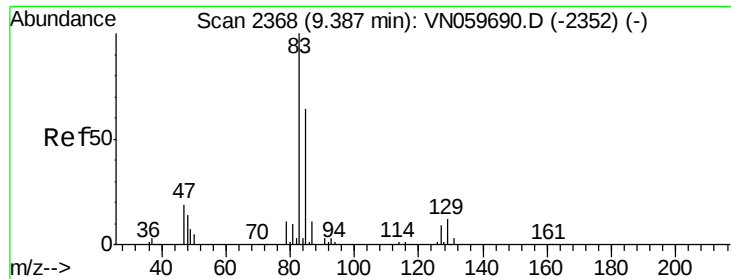
Ion Ratio Lower Upper

93 100

95 81.3 67.0 100.6

174 104.9 73.4 110.2

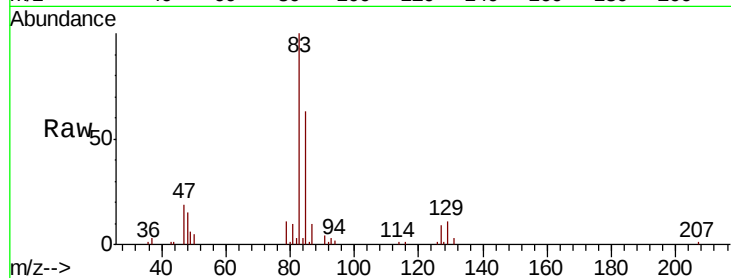




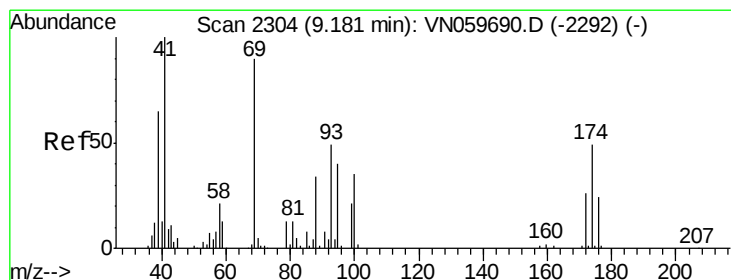
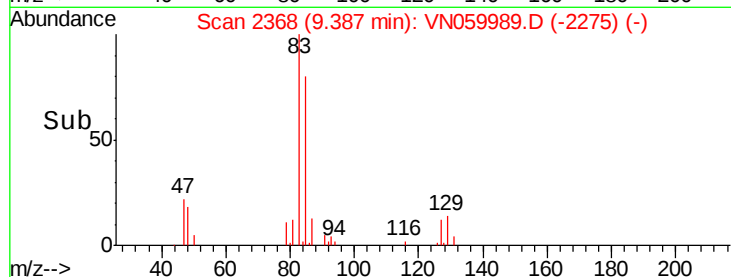
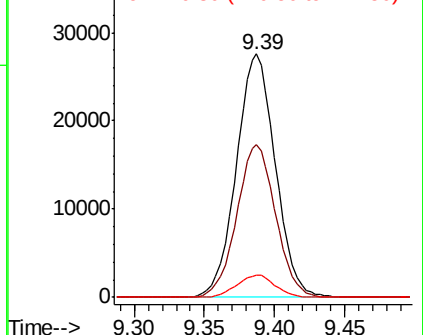
#47
Bromodichloromethane
Concen: 20.913 ug/l
RT: 9.39 min Scan# 2368
Delta R.T. 0.00 min
Lab File: VN059989.D
Acq: 4 Feb 2020 13:04

Instrument :
MSVOA_N
ClientSampleId :
VN0204MBS01

Tot Ion: 83 Resp: 53300
Ion Ratio Lower Upper
83 100
85 62.8 51.1 76.7
127 9.2 6.6 9.8

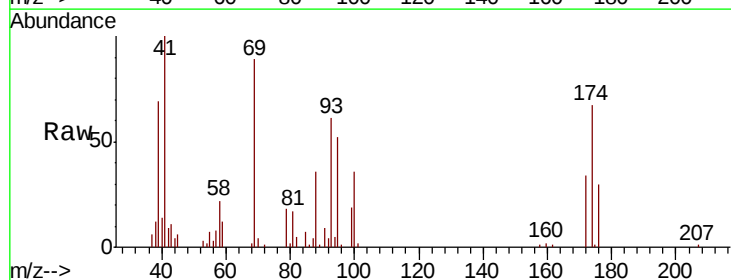


Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 84.90 (84.60 to 85.60): VNO
Ion 126.80 (126.50 to 127.50): VNO

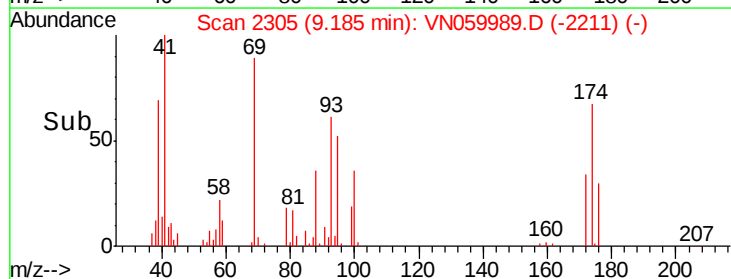
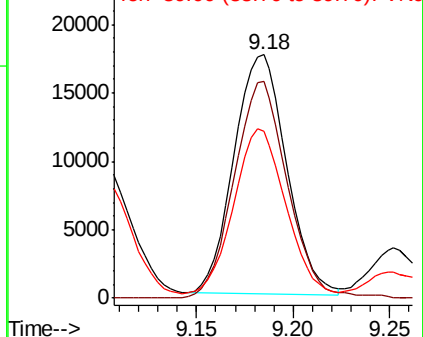


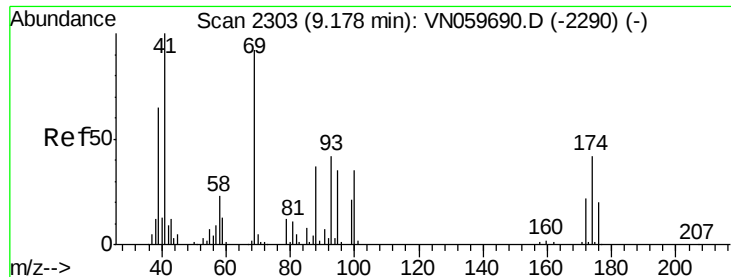
#48
Methyl methacrylate
Concen: 18.938 ug/l
RT: 9.18 min Scan# 2305
Delta R.T. 0.00 min
Lab File: VN059989.D
Acq: 4 Feb 2020 13:04

Tgt Ion: 41 Resp: 33201
Ion Ratio Lower Upper
41 100
69 91.7 64.4 96.6
39 71.7 51.3 76.9



Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 39.00 (38.70 to 39.70): VNO

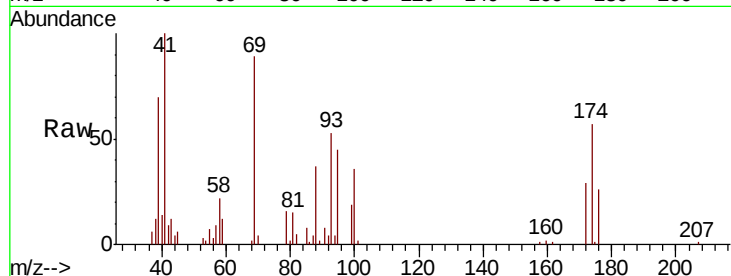




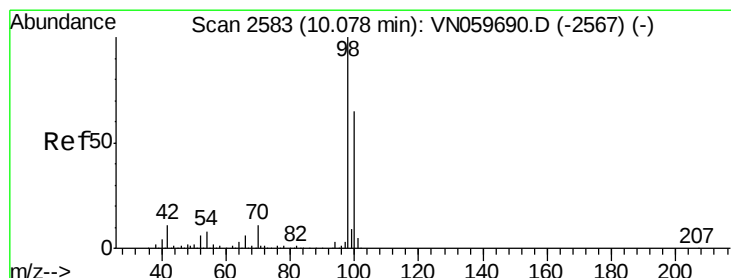
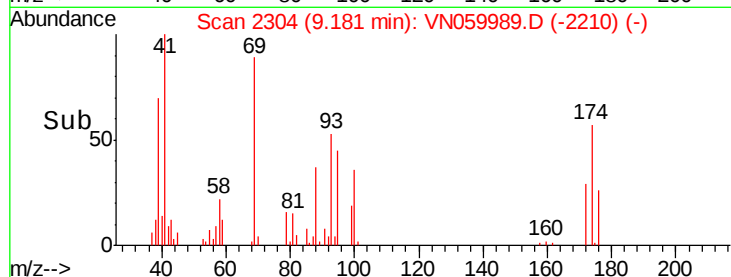
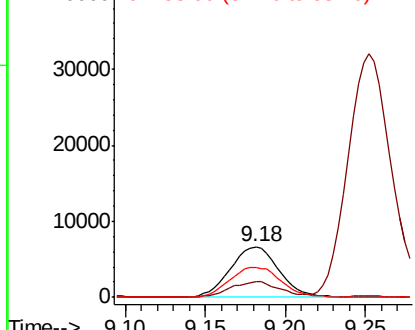
#49
1,4-Dioxane
Concen: 431.769 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. 0.00 min
Lab File: VN059989.D
Acq: 4 Feb 2020 13:04

Instrument :
MSVOA_N
ClientSampleId :
VN0204MBS01

Tot Ion: 88 Resp: 13857
Ion Ratio Lower Upper
88 100
43 30.6 29.7 44.5
58 62.2 56.6 85.0

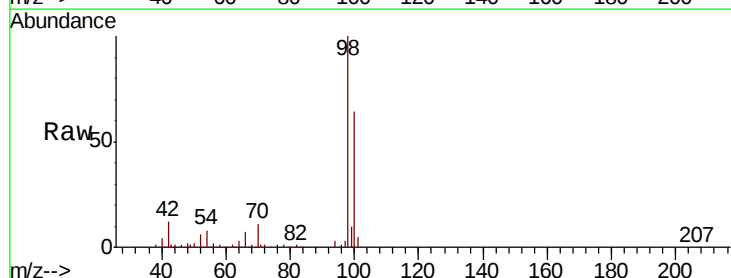


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

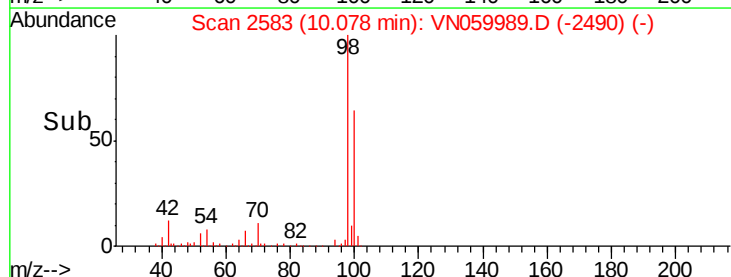
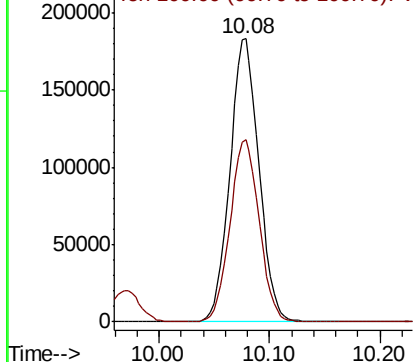


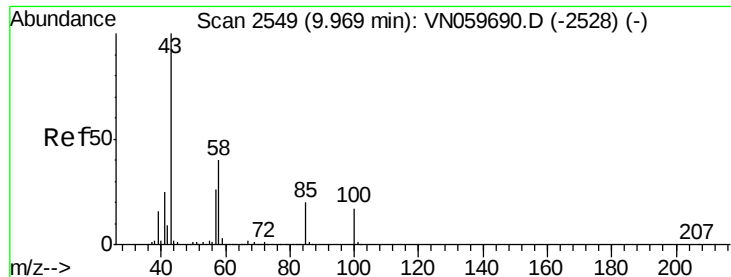
#50
Toluene-d8
Concen: 51.642 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. 0.00 min
Lab File: VN059989.D
Acq: 4 Feb 2020 13:04

Tgt Ion: 98 Resp: 332888
Ion Ratio Lower Upper
98 100
100 64.9 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VN0
Ion 100.00 (99.70 to 100.70): VN0

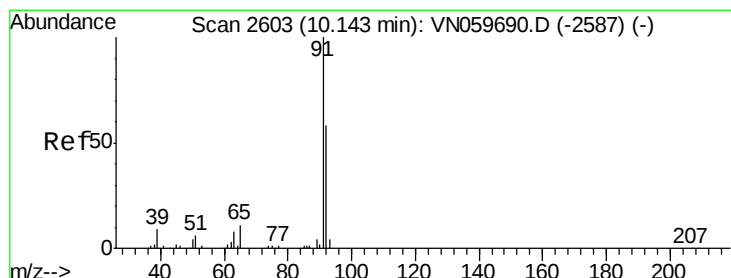
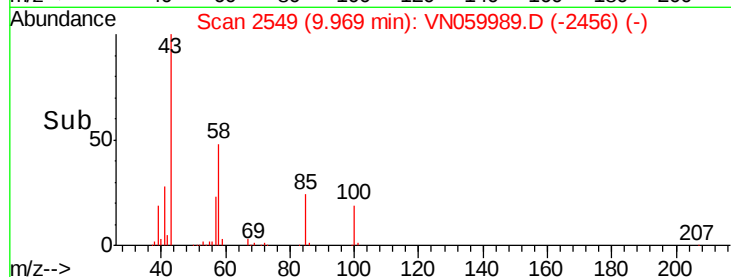
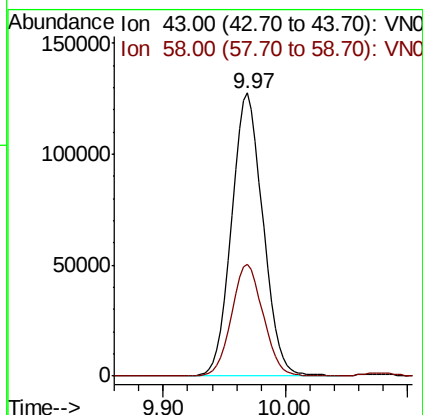
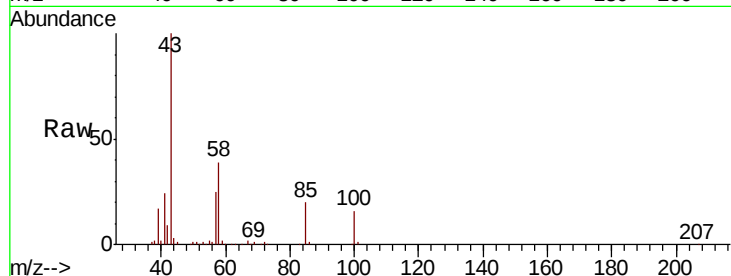




#51
 4-Methyl-2-Pentanone
 Concen: 100.549 ug/l
 RT: 9.97 min Scan# 2549
 Delta R.T. 0.00 min
 Lab File: VN059989.D
 Acq: 4 Feb 2020 13:04

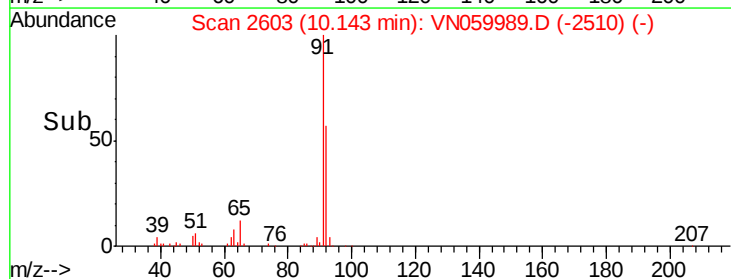
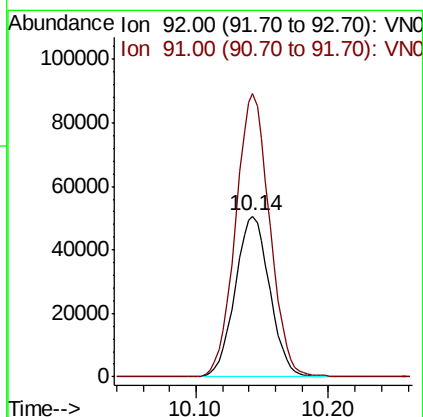
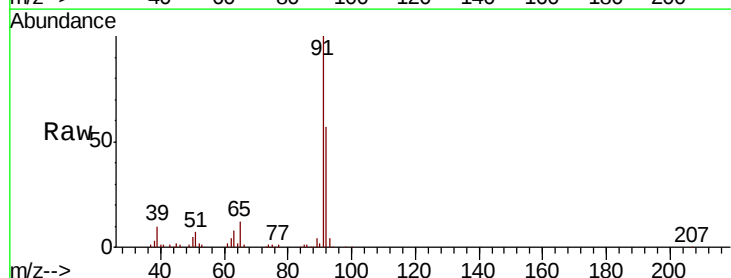
Instrument :
 MSVOA_N
 ClientSampled :
 VN0204MBS01

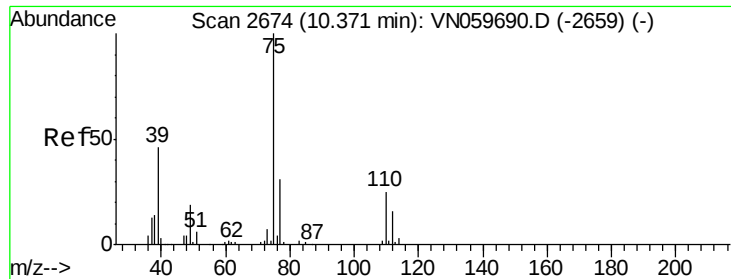
Tot Ion: 43 Resp: 227812
 Ion Ratio Lower Upper
 43 100
 58 39.9 29.8 44.8



#52
 Toluene
 Concen: 20.029 ug/l
 RT: 10.14 min Scan# 2603
 Delta R.T. 0.00 min
 Lab File: VN059989.D
 Acq: 4 Feb 2020 13:04

Tgt Ion: 92 Resp: 91667
 Ion Ratio Lower Upper
 92 100
 91 173.7 140.4 210.6





#53

t-1,3-Dichloropropene

Concen: 20.800 ug/l

RT: 10.37 min Scan# 2674

Delta R.T. 0.00 min

Lab File: VN059989.D

Acq: 4 Feb 2020 13:04

Instrument :

MSVOA_N

ClientSampleId :

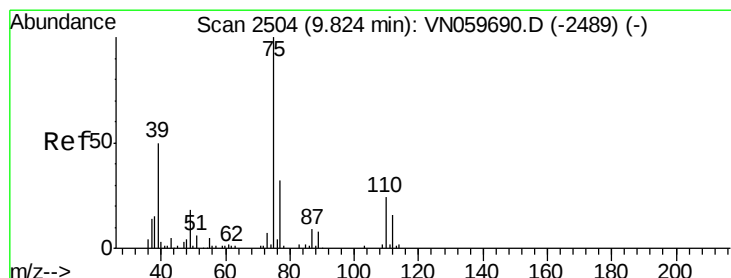
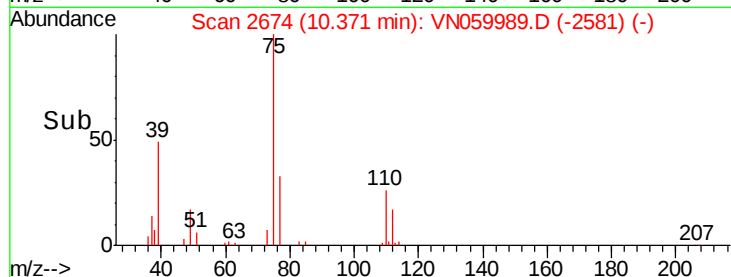
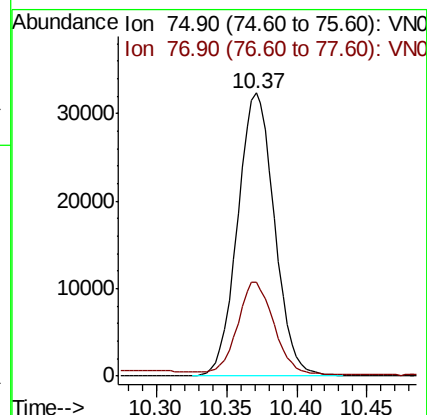
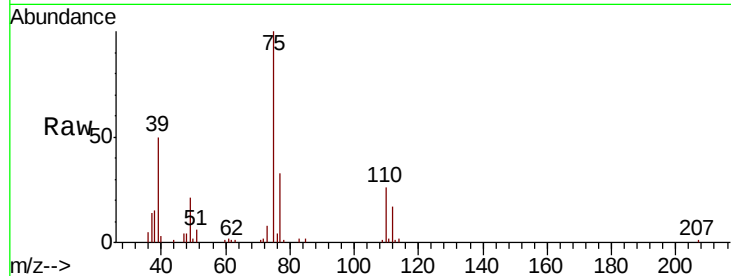
VN0204MBS01

Tot Ion: 75 Resp: 59194

Ion Ratio Lower Upper

75 100

77 32.5 25.4 38.2



#54

cis-1,3-Dichloropropene

Concen: 21.083 ug/l

RT: 9.82 min Scan# 2504

Delta R.T. 0.00 min

Lab File: VN059989.D

Acq: 4 Feb 2020 13:04

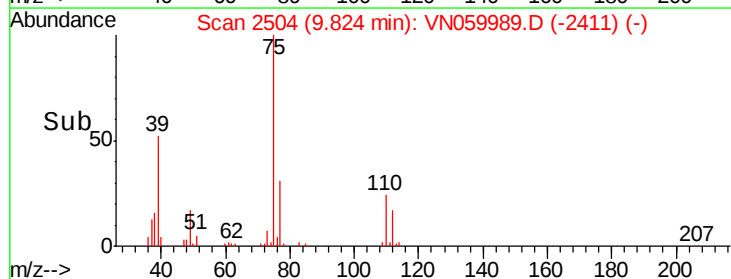
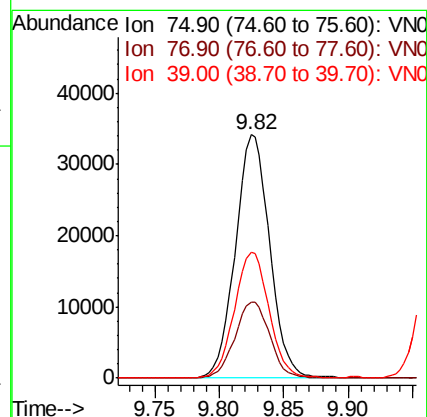
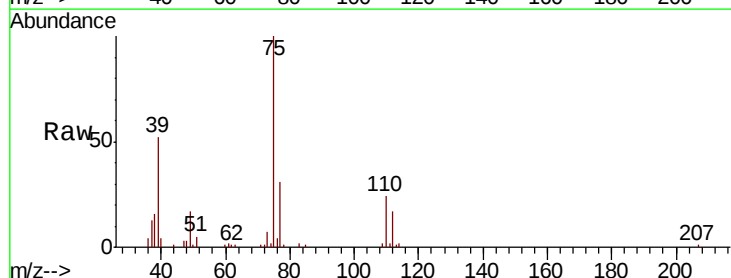
Tgt Ion: 75 Resp: 63130

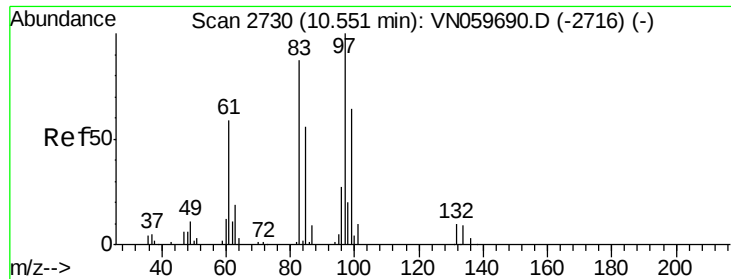
Ion Ratio Lower Upper

75 100

77 31.0 25.1 37.7

39 51.6 46.1 69.1

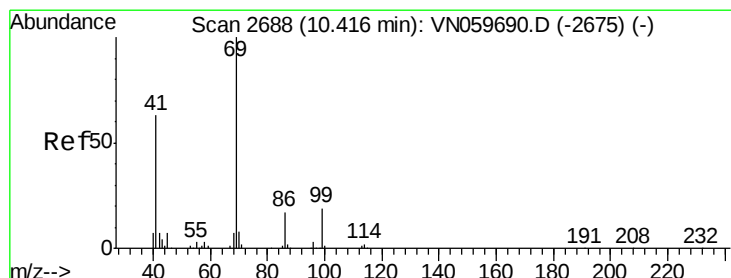
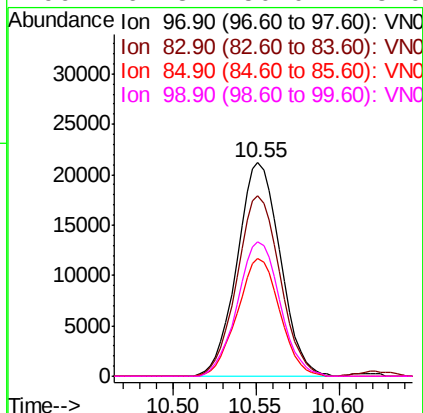
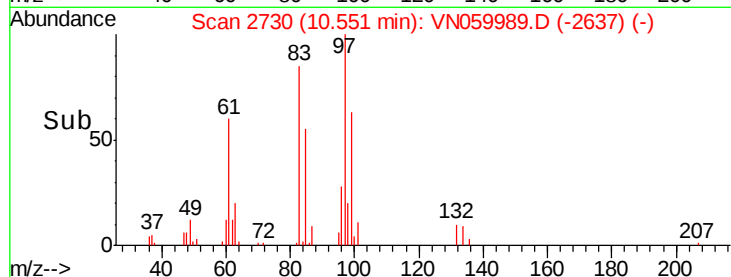
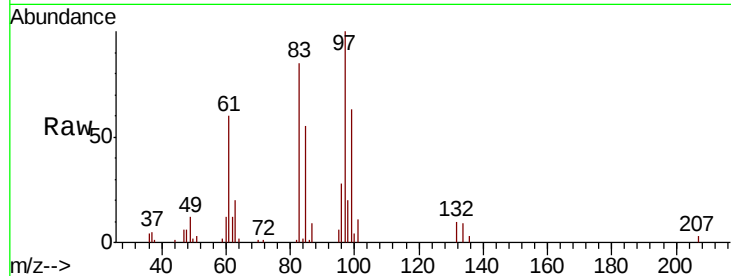




#55
 1,1,2-Trichloroethane
 Concen: 21.243 ug/l
 RT: 10.55 min Scan# 2730
 Delta R.T. 0.00 min
 Lab File: VN059989.D
 Acq: 4 Feb 2020 13:04

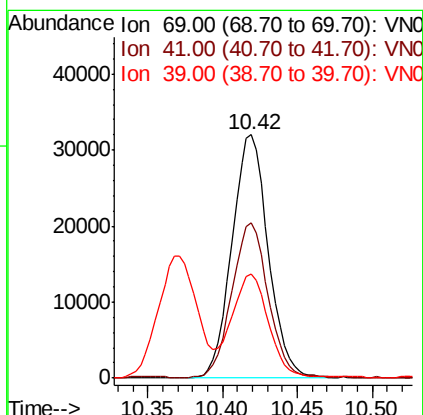
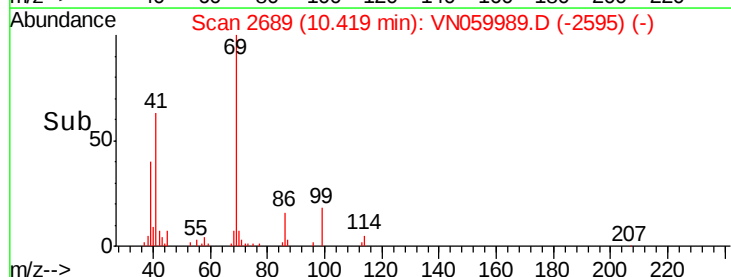
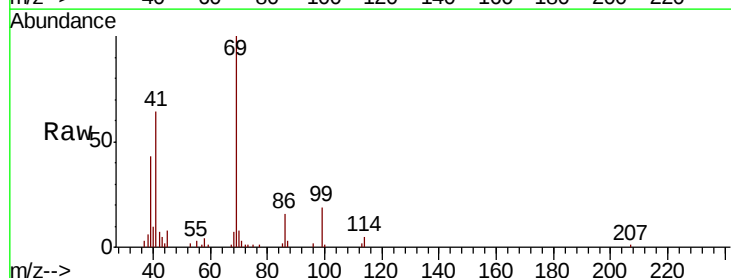
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0204MBS01

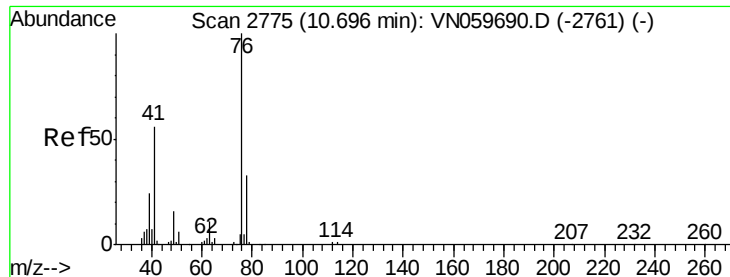
Tot Ion	Ratio	Lower	Upper
97	100		
83	84.8	71.3	106.9
85	55.0	45.8	68.8
99	62.8	50.0	75.0



#56
 Ethyl methacrylate
 Concen: 19.523 ug/l
 RT: 10.42 min Scan# 2689
 Delta R.T. 0.00 min
 Lab File: VN059989.D
 Acq: 4 Feb 2020 13:04

Tgt Ion	Ratio	Lower	Upper
69	100		
41	64.2	57.1	85.7
39	44.7	34.7	52.1





#57

1,3-Dichloropropane

Concen: 21.601 ug/l

RT: 10.70 min Scan# 2775

Delta R.T. 0.00 min

Lab File: VN059989.D

Acq: 4 Feb 2020 13:04

Instrument :

MSVOA_N

ClientSampleId :

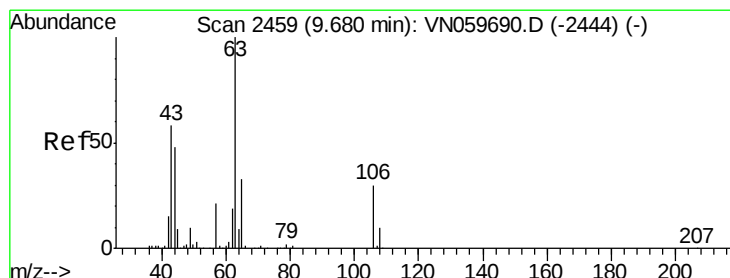
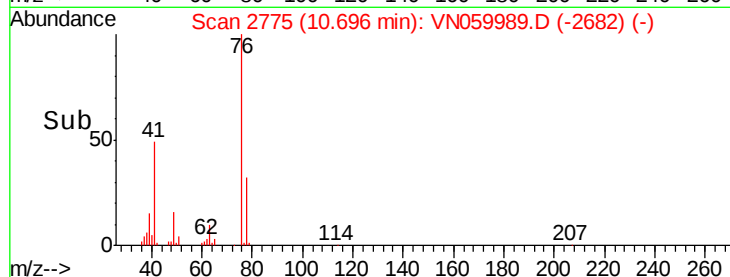
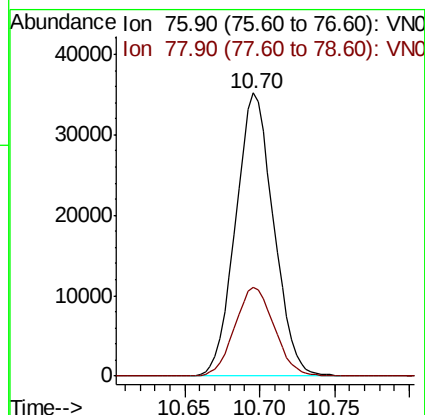
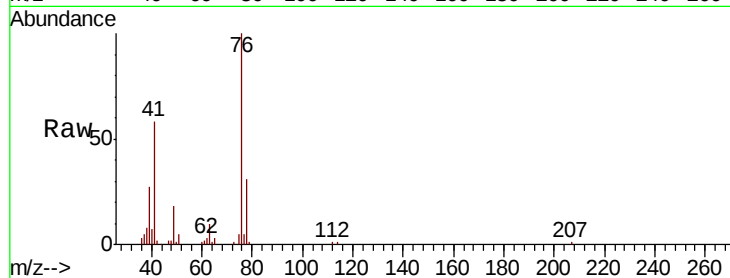
VN0204MBS01

Tot Ion: 76 Resp: 62162

Ion Ratio Lower Upper

76 100

78 32.6 25.8 38.8



#58

2-Chloroethyl Vinyl ether

Concen: 109.215 ug/l

RT: 9.68 min Scan# 2459

Delta R.T. 0.00 min

Lab File: VN059989.D

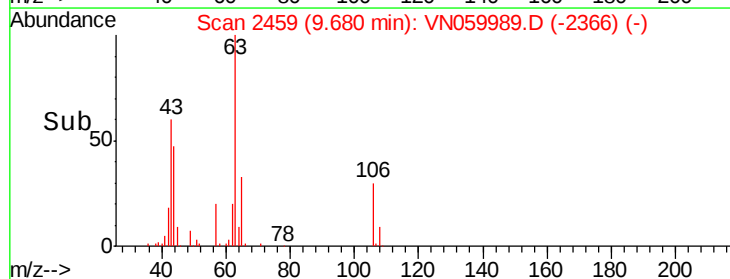
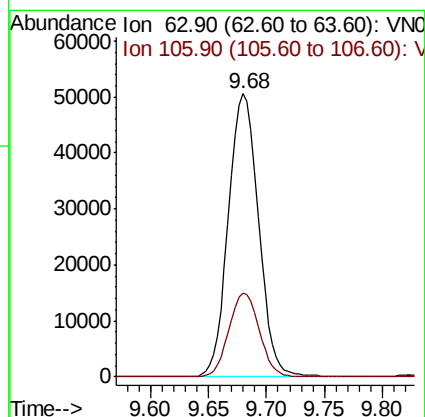
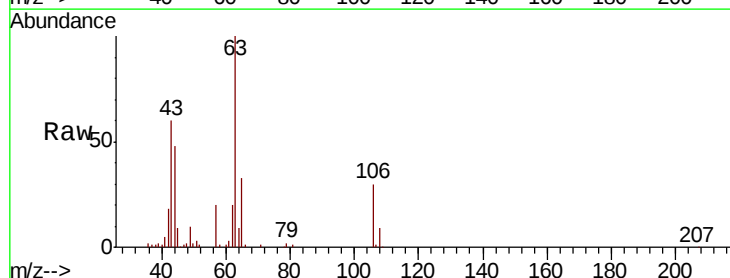
Acq: 4 Feb 2020 13:04

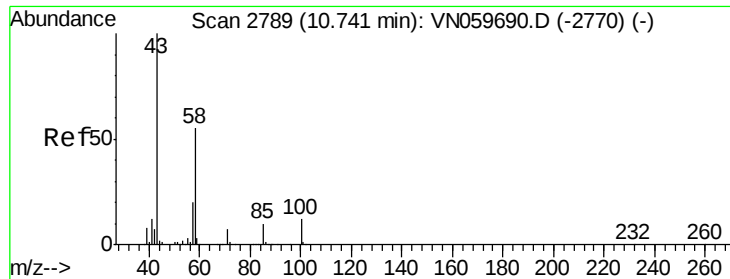
Tgt Ion: 63 Resp: 91112

Ion Ratio Lower Upper

63 100

106 29.6 20.2 30.2

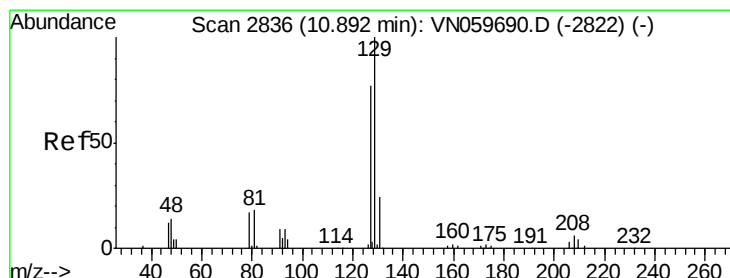
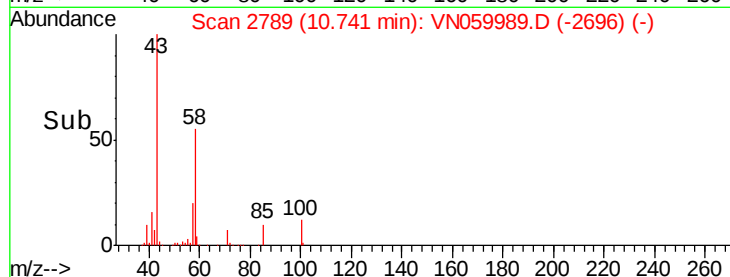
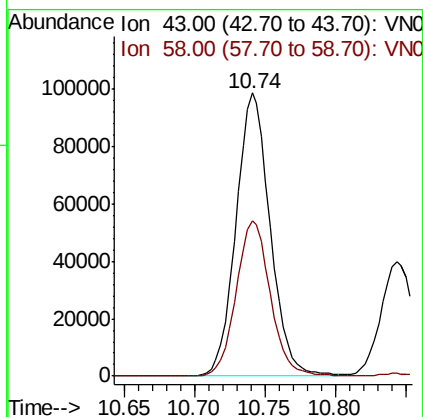
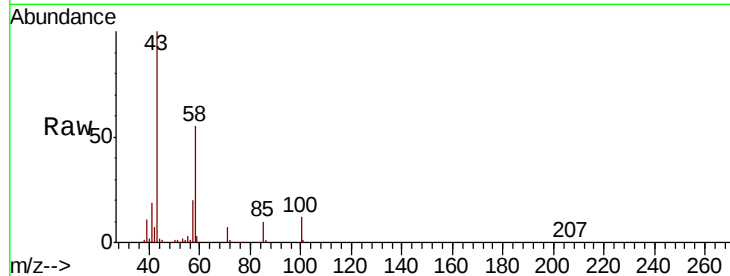




#59
2-Hexanone
Concen: 100.305 ug/l
RT: 10.74 min Scan# 2789
Delta R.T. 0.00 min
Lab File: VN059989.D
Acq: 4 Feb 2020 13:04

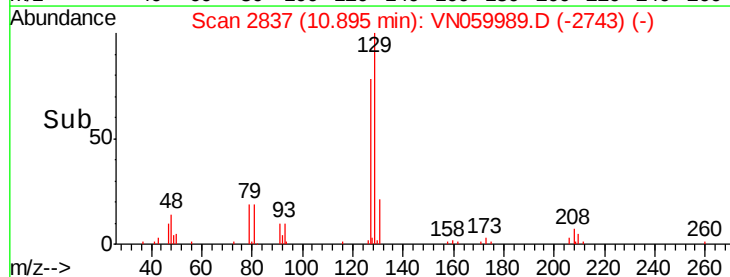
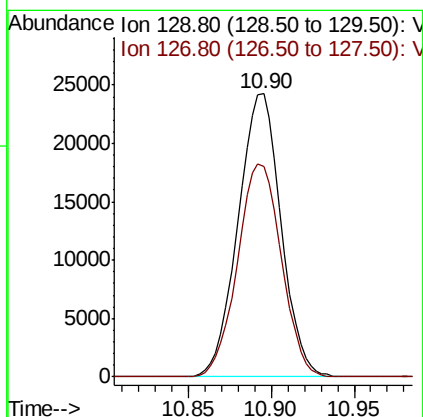
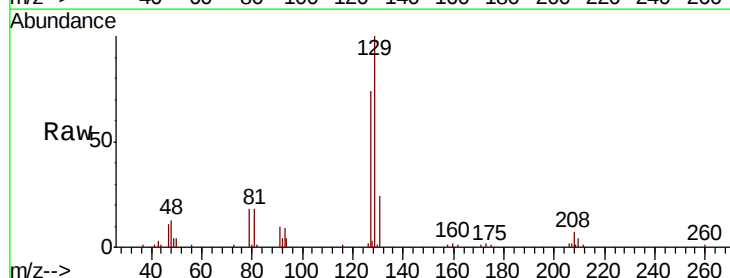
Instrument :
MSVOA_N
ClientSampled :
VN0204MBS01

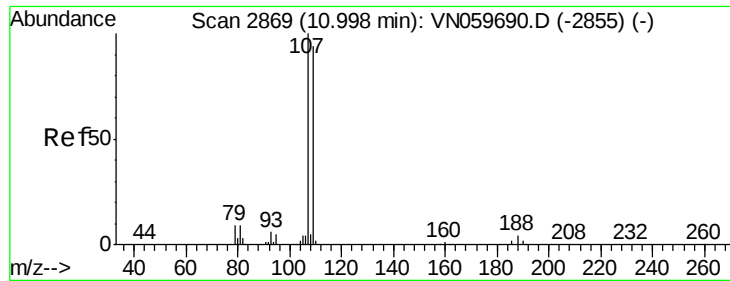
Tot Ion: 43 Resp: 167423
Ion Ratio Lower Upper
43 100
58 55.0 25.8 77.3



#60
Dibromochloromethane
Concen: 21.172 ug/l
RT: 10.90 min Scan# 2837
Delta R.T. 0.00 min
Lab File: VN059989.D
Acq: 4 Feb 2020 13:04

Tgt Ion: 129 Resp: 43702
Ion Ratio Lower Upper
129 100
127 76.7 38.5 115.5

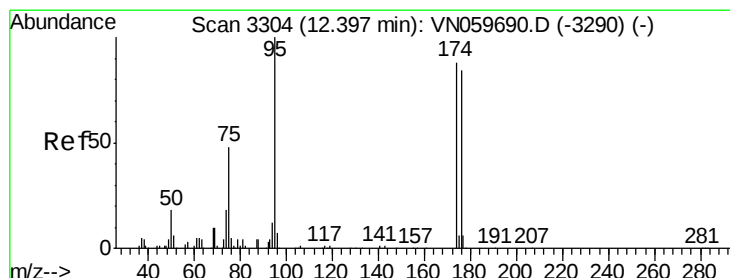
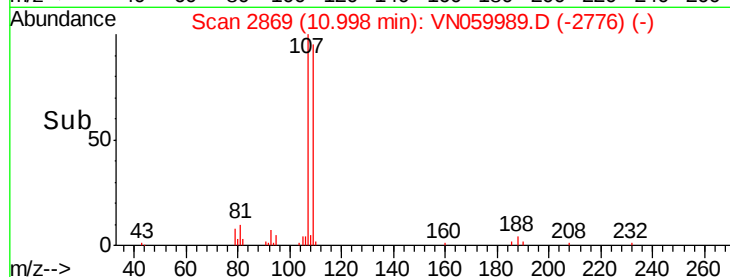
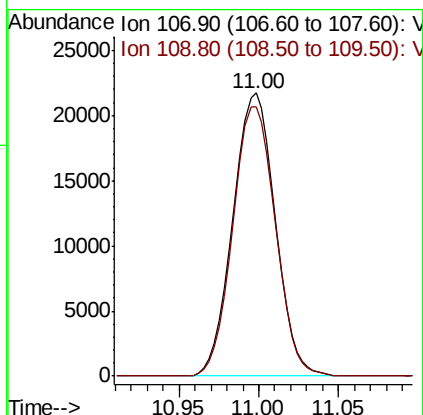
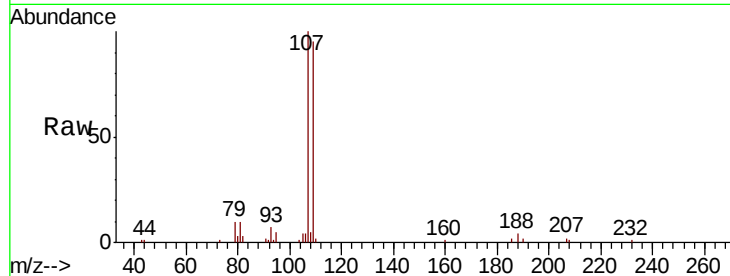




#61
 1,2-Dibromoethane
 Concen: 20.648 ug/l
 RT: 11.00 min Scan# 2869
 Delta R.T. 0.00 min
 Lab File: VN059989.D
 Acq: 4 Feb 2020 13:04

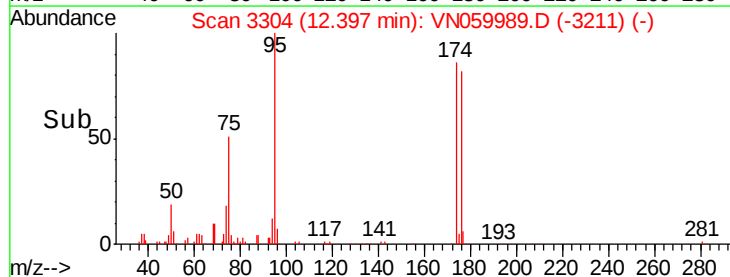
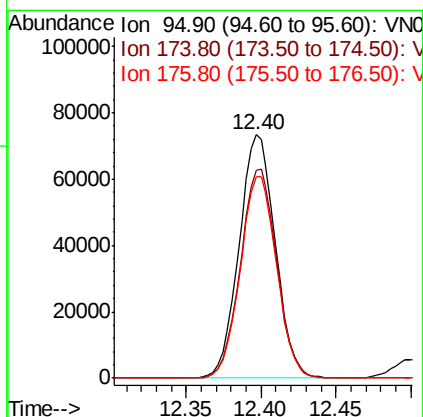
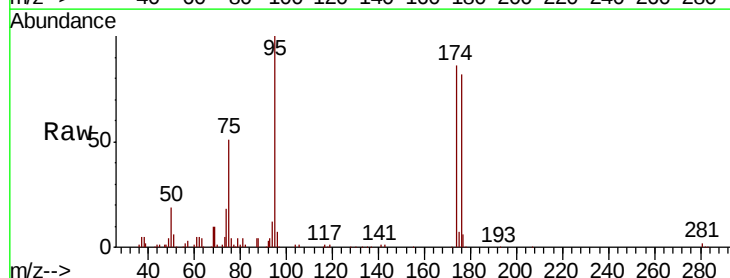
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0204MBS01

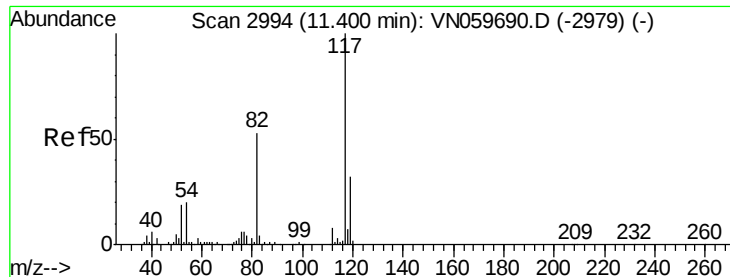
Tot Ion:107 Resp: 39228
 Ion Ratio Lower Upper
 107 100
 109 95.9 76.6 115.0



#62
 4-Bromofluorobenzene
 Concen: 53.067 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. 0.00 min
 Lab File: VN059989.D
 Acq: 4 Feb 2020 13:04

Tgt Ion: 95 Resp: 123316
 Ion Ratio Lower Upper
 95 100
 174 86.0 0.0 151.4
 176 82.9 0.0 146.0

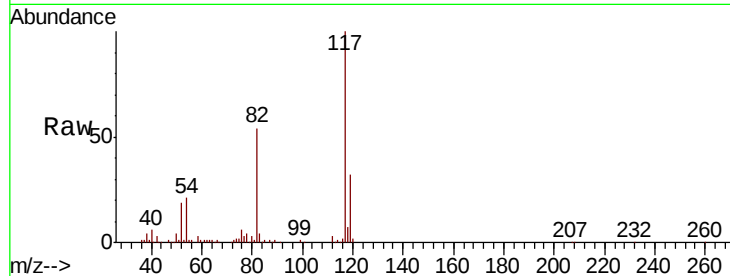




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN059989.D
Acq: 4 Feb 2020 13:04

Instrument :
MSVOA_N
ClientSampleId :
VN0204MBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.0	45.9	68.9
119	31.9	25.5	38.3

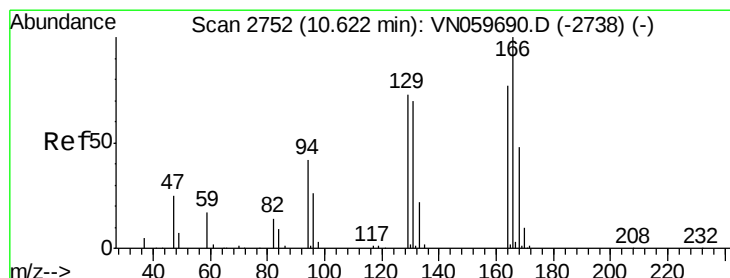
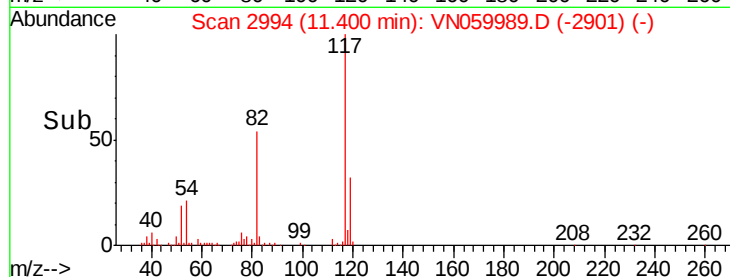
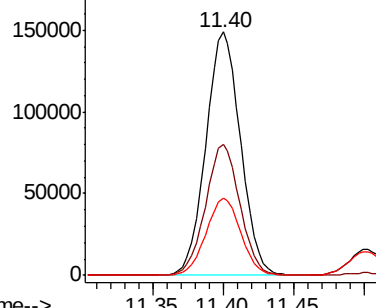


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 19.104 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. 0.00 min
Lab File: VN059989.D
Acq: 4 Feb 2020 13:04

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.0	101.4	152.0
129	94.3	80.2	120.4
131	91.4	75.0	112.4

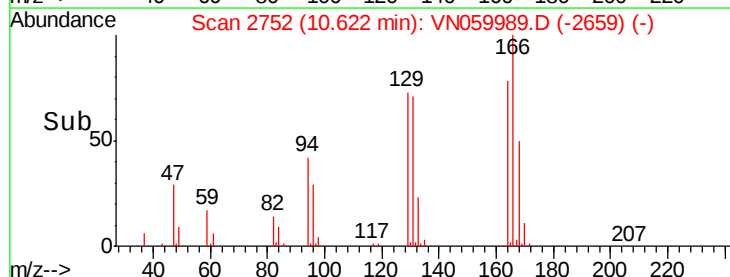
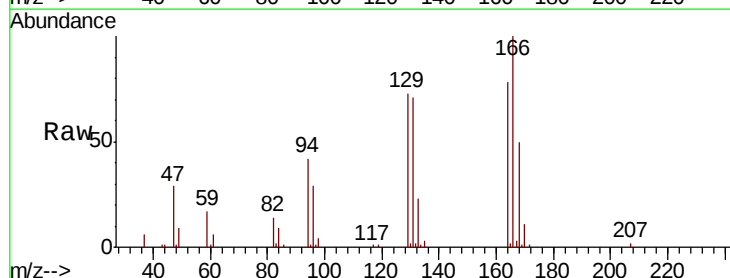
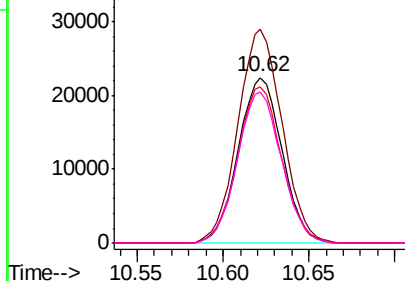
Abundance

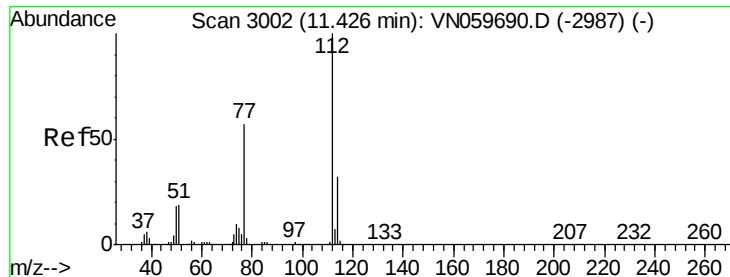
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V

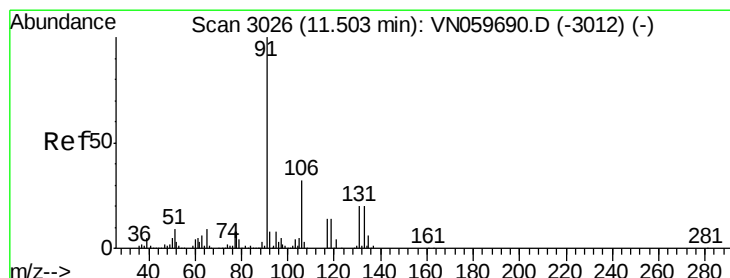
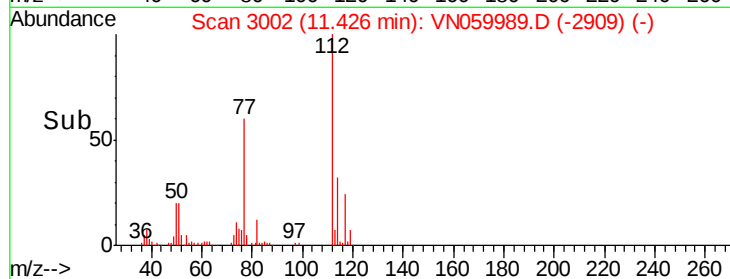
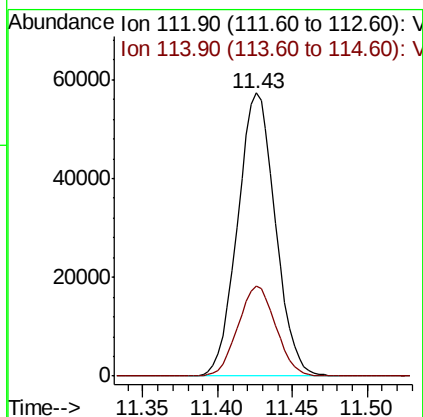
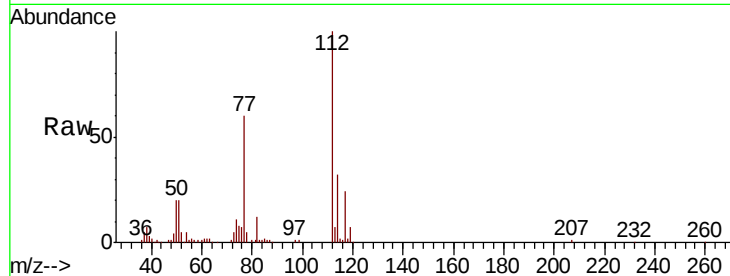




#65
Chlorobenzene
Concen: 19.961 ug/l
RT: 11.43 min Scan# 3002
Delta R.T. 0.00 min
Lab File: VN059989.D
Acq: 4 Feb 2020 13:04

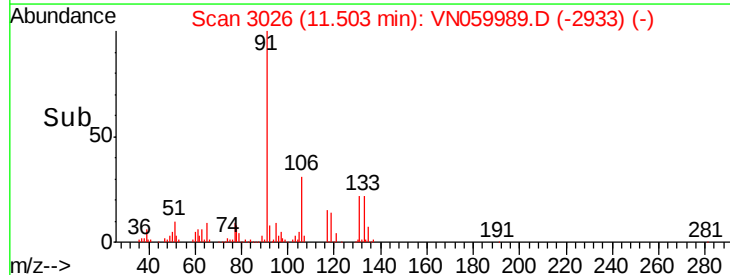
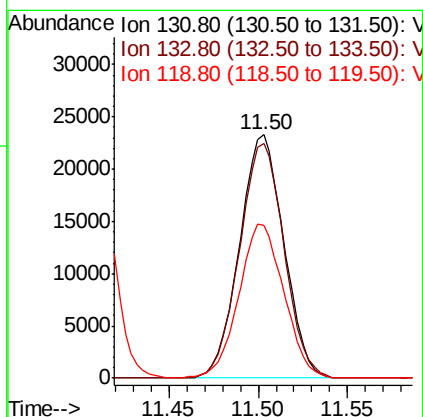
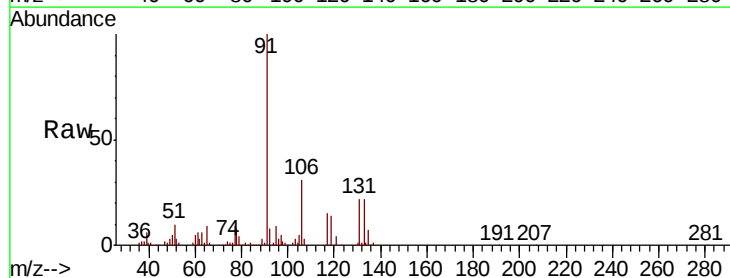
Instrument :
MSVOA_N
ClientSampleId :
VN0204MBS01

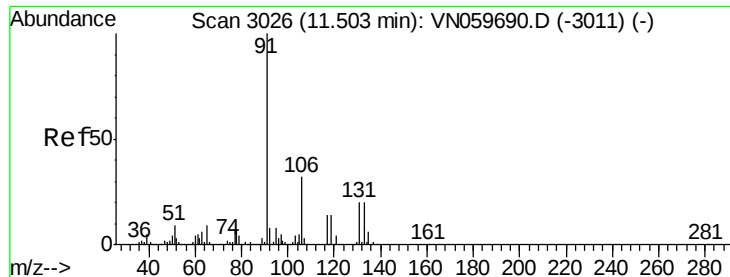
Tot Ion:112 Resp: 100531
Ion Ratio Lower Upper
112 100
114 31.9 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 20.808 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. 0.00 min
Lab File: VN059989.D
Acq: 4 Feb 2020 13:04

Tgt Ion:131 Resp: 40493
Ion Ratio Lower Upper
131 100
133 96.9 47.4 142.2
119 64.3 33.1 99.3





#67

Ethyl Benzene

Concen: 19.628 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. 0.00 min

Lab File: VN059989.D

Acq: 4 Feb 2020 13:04

Instrument :

MSVOA_N

ClientSampled :

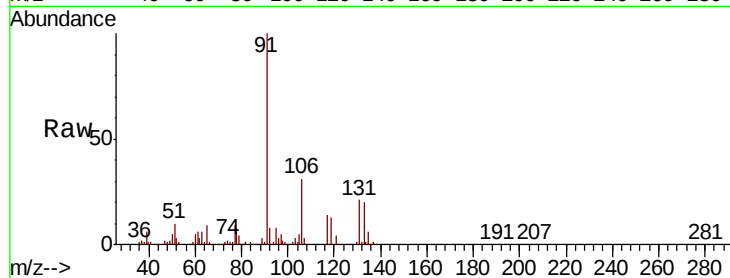
VN0204MBS01

Tot Ion: 91 Resp: 179449

Ion Ratio Lower Upper

91 100

106 31.1 24.1 36.1



Abundance Ion 91.00 (90.70 to 91.70): VN059690.D (-3011) (-)

Ion 106.00 (105.70 to 106.70): VN059690.D (-3011) (-)

150000

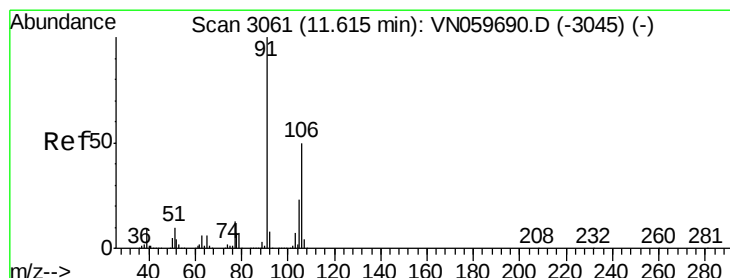
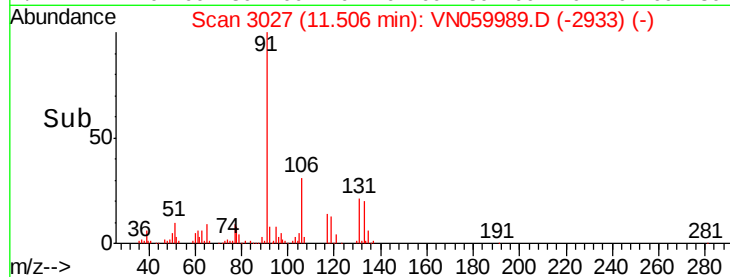
100000

50000

0

11.45 11.50 11.55

Time-->



#68

m/p-Xylenes

Concen: 38.794 ug/l

RT: 11.62 min Scan# 3061

Delta R.T. 0.00 min

Lab File: VN059989.D

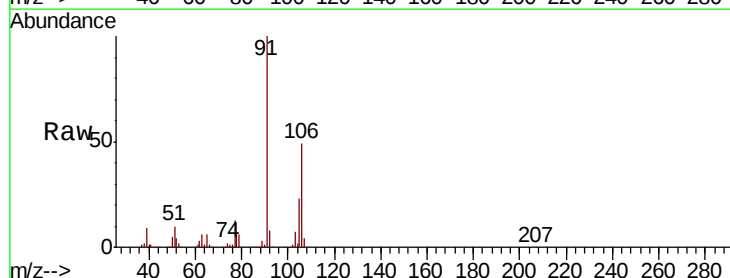
Acq: 4 Feb 2020 13:04

Tgt Ion: 106 Resp: 133973

Ion Ratio Lower Upper

106 100

91 202.0 167.9 251.9



Abundance Ion 106.00 (105.70 to 106.70): VN059690.D (-3045) (-)

Ion 91.00 (90.70 to 91.70): VN059690.D (-3045) (-)

150000

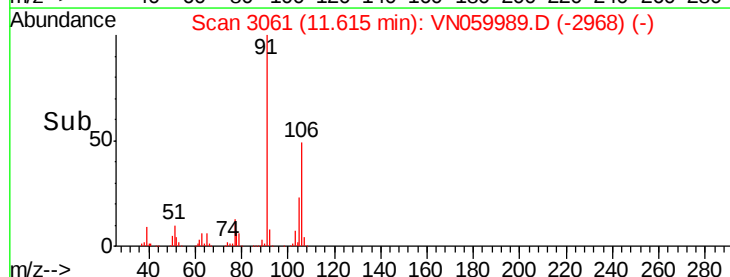
100000

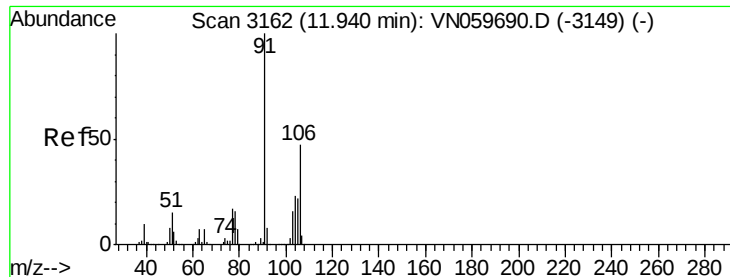
50000

0

11.55 11.60 11.65 11.70

Time-->

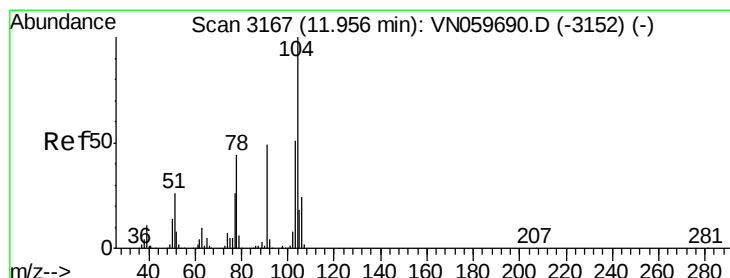
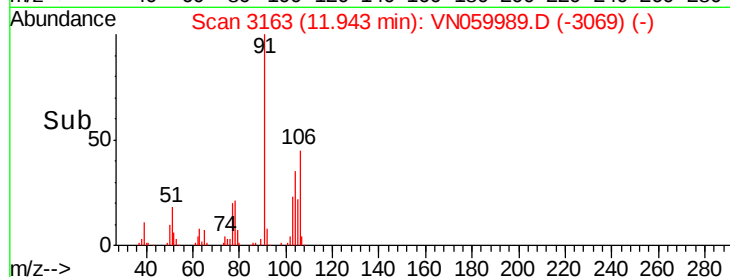
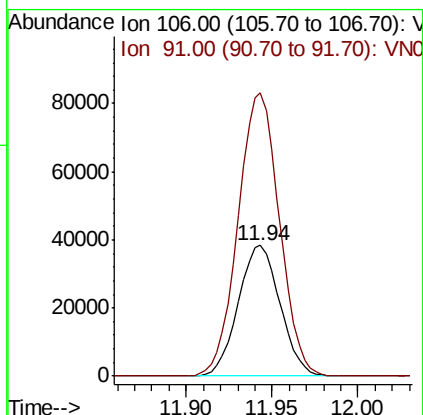
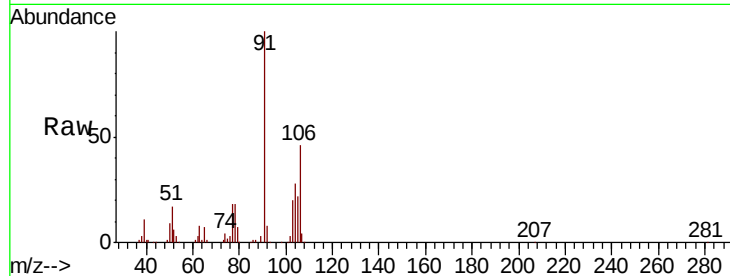




#69
o-Xylene
Concen: 19.193 ug/l
RT: 11.94 min Scan# 3163
Delta R.T. 0.00 min
Lab File: VN059989.D
Acq: 4 Feb 2020 13:04

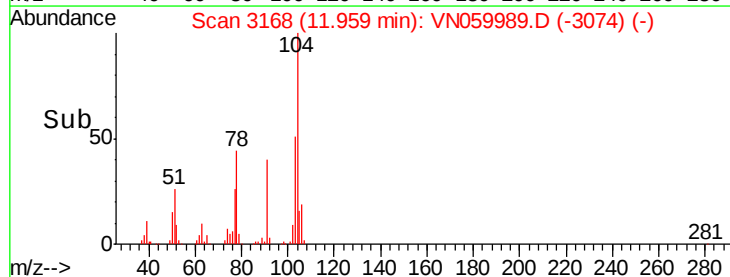
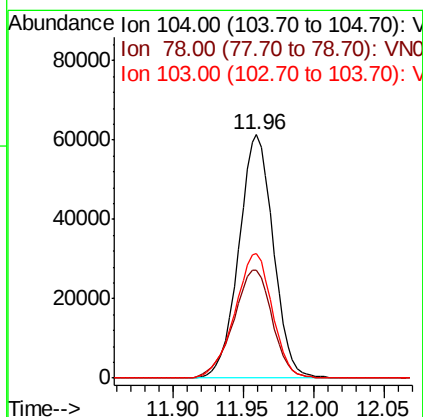
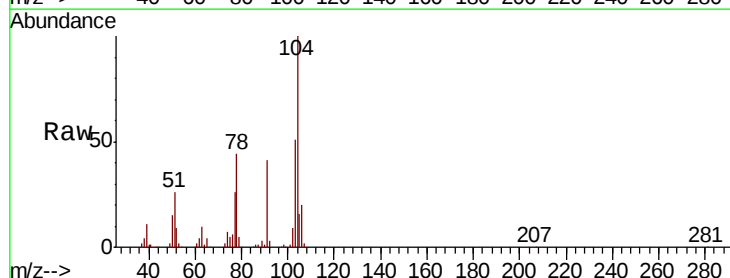
Instrument :
MSVOA_N
ClientSampleId :
VN0204MBS01

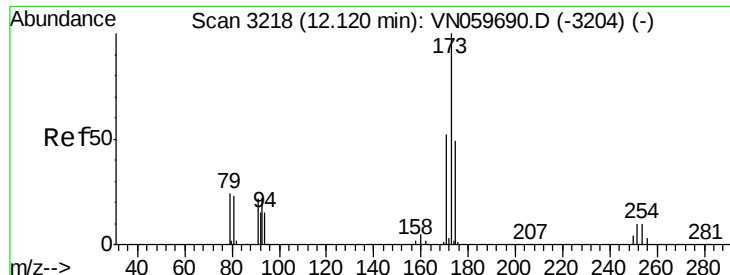
Tot Ion:106 Resp: 64890
Ion Ratio Lower Upper
106 100
91 214.7 110.3 330.9



#70
Styrene
Concen: 18.596 ug/l
RT: 11.96 min Scan# 3168
Delta R.T. 0.00 min
Lab File: VN059989.D
Acq: 4 Feb 2020 13:04

Tgt Ion:104 Resp: 105208
Ion Ratio Lower Upper
104 100
78 50.0 42.4 63.6
103 55.8 43.9 65.9

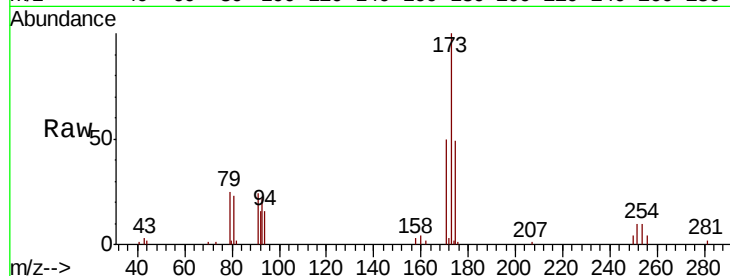




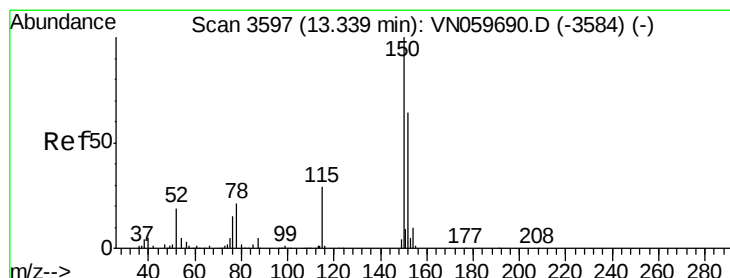
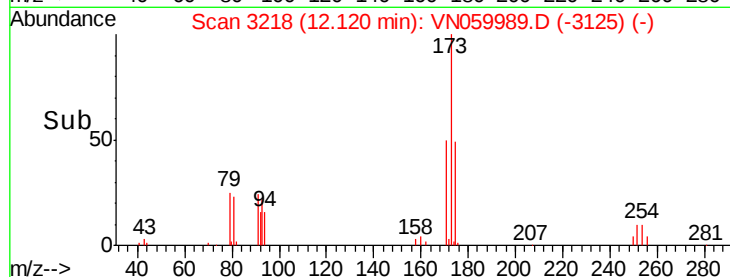
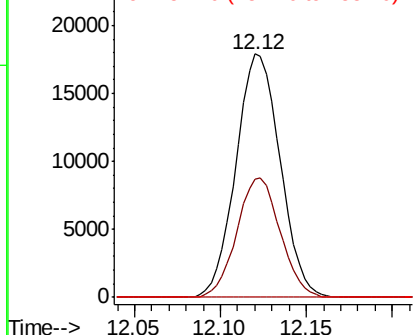
#71
Bromoform
Concen: 20.487 ug/l
RT: 12.12 min Scan# 3218
Delta R.T. 0.00 min
Lab File: VN059989.D
Acq: 4 Feb 2020 13:04

Instrument :
MSVOA_N
ClientSampleId :
VN0204MBS01

Tot Ion:173 Resp: 31934
Ion Ratio Lower Upper
173 100
175 48.0 23.8 71.4
254 0.0 0.0 0.0

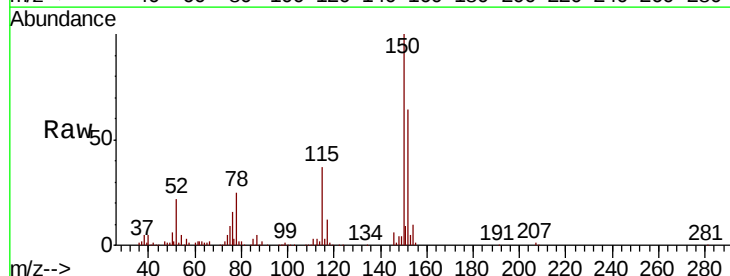


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

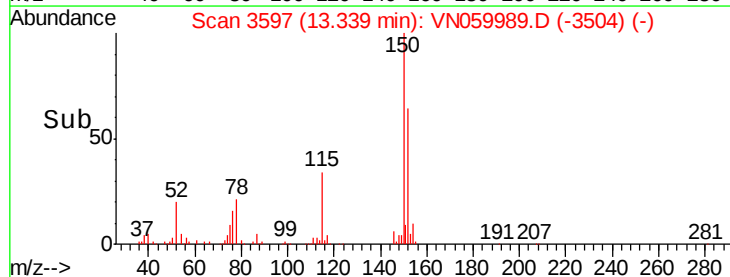
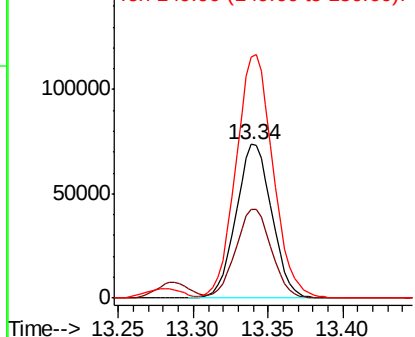


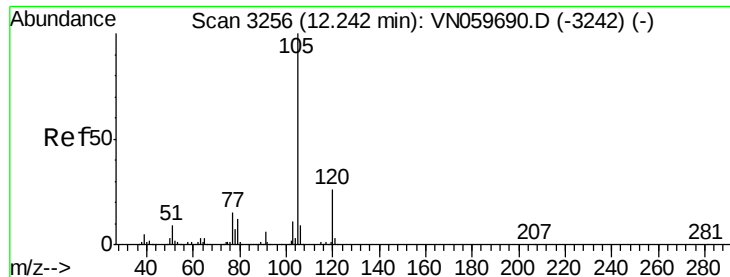
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. 0.00 min
Lab File: VN059989.D
Acq: 4 Feb 2020 13:04

Tgt Ion:152 Resp: 122523
Ion Ratio Lower Upper
152 100
115 58.0 30.3 90.9
150 164.2 0.0 345.2



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 19.842 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. 0.00 min

Lab File: VN059989.D

Acq: 4 Feb 2020 13:04

Instrument :

MSVOA_N

ClientSampleId :

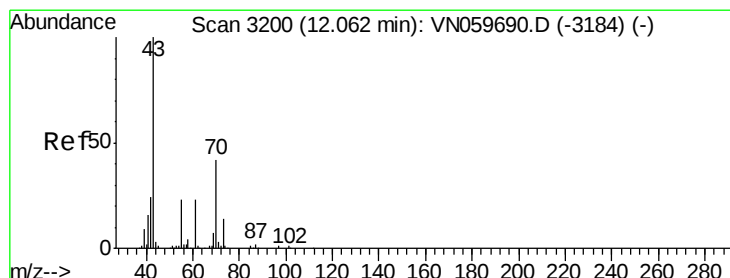
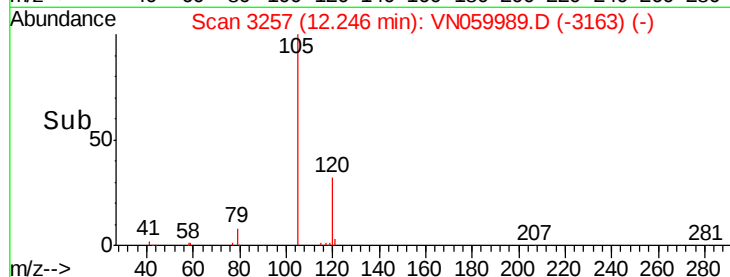
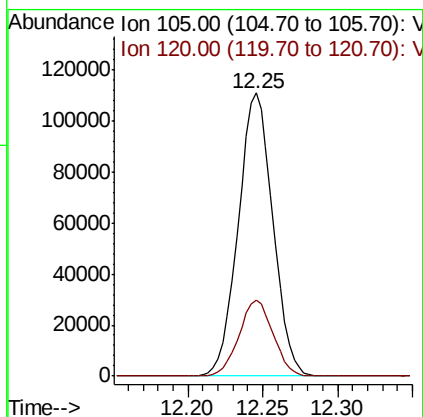
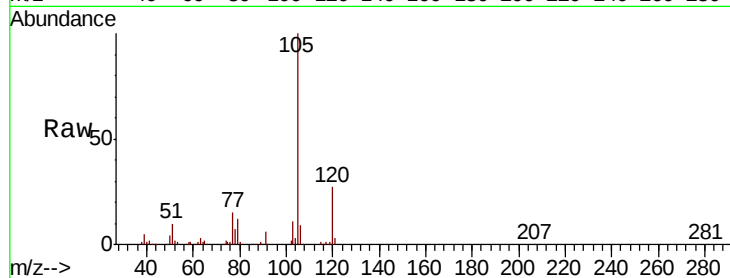
VN0204MBS01

Tot Ion:105 Resp: 178299

Ion Ratio Lower Upper

105 100

120 26.4 13.2 39.5



#74

N-ethyl acetate

Concen: 18.983 ug/l

RT: 12.07 min Scan# 3201

Delta R.T. 0.00 min

Lab File: VN059989.D

Acq: 4 Feb 2020 13:04

Tgt Ion: 43 Resp: 66188

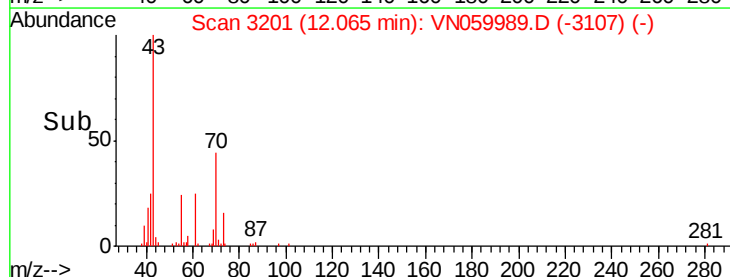
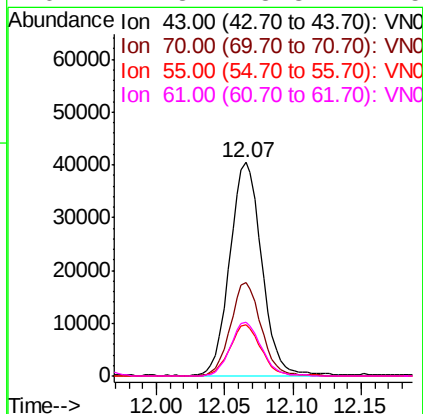
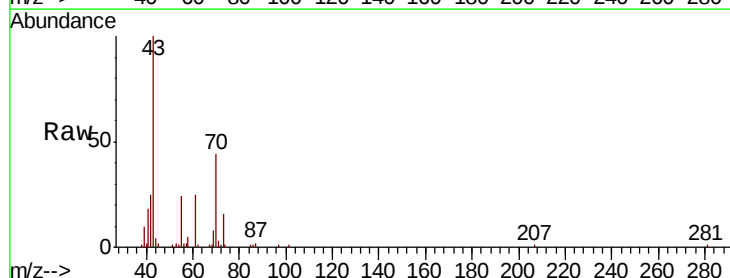
Ion Ratio Lower Upper

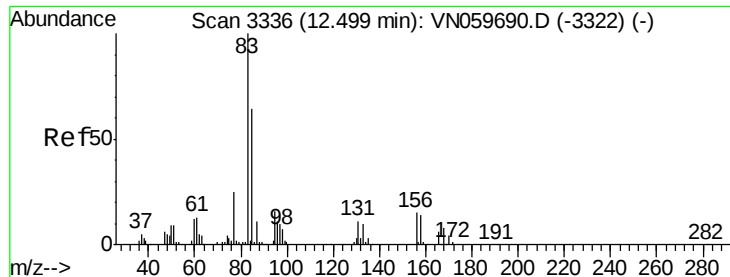
43 100

70 41.9 31.3 46.9

55 23.4 19.8 29.6

61 24.3 18.3 27.5





#75

1,1,2,2-Tetrachloroethane

Concen: 20.263 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN059989.D

Acq: 4 Feb 2020 13:04

Instrument :

MSVOA_N

ClientSampleId :

VN0204MBS01

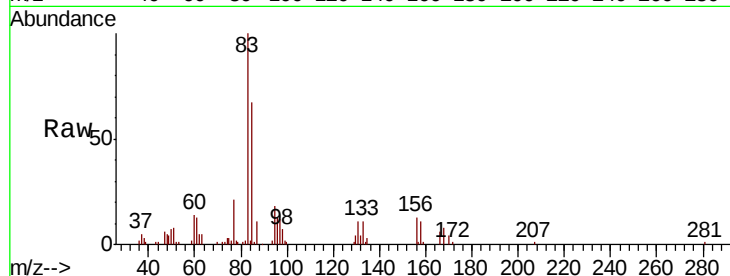
Tot Ion: 83 Resp: 52785

Ion Ratio Lower Upper

83 100

131 10.5 5.0 14.9

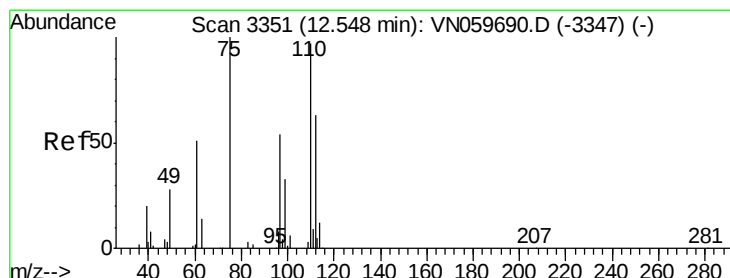
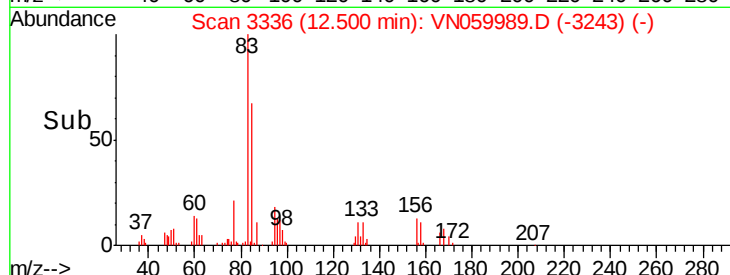
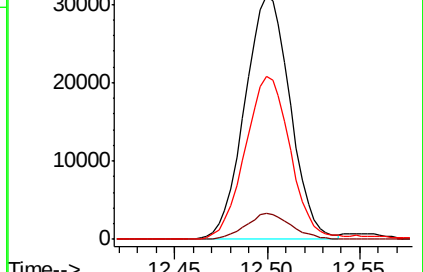
85 66.3 31.9 95.5



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 35.063 ug/l

RT: 12.55 min Scan# 3351

Delta R.T. 0.00 min

Lab File: VN059989.D

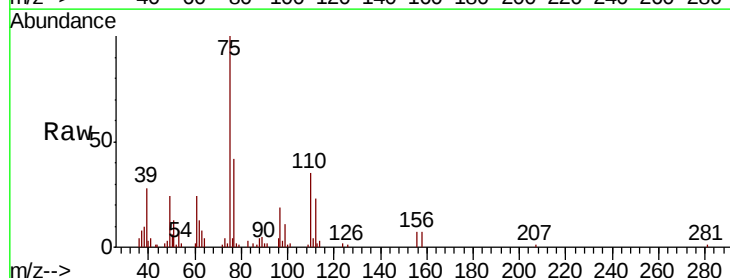
Acq: 4 Feb 2020 13:04

Tgt Ion: 75 Resp: 72297

Ion Ratio Lower Upper

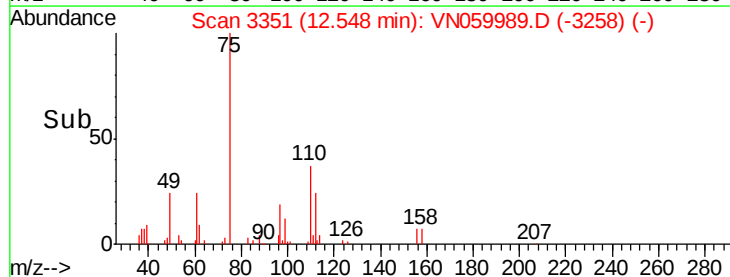
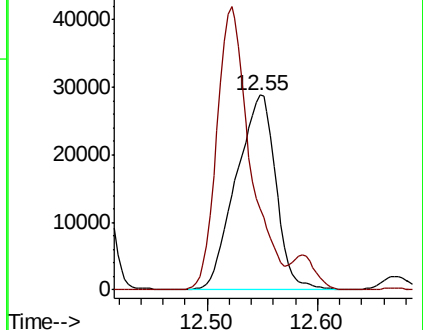
75 100

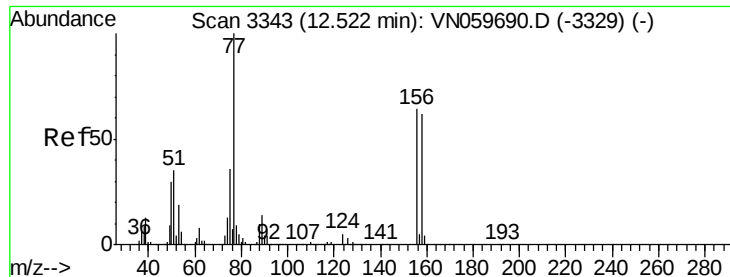
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 19.737 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. 0.00 min

Lab File: VN059989.D

Acq: 4 Feb 2020 13:04

Instrument :

MSVOA_N

ClientSampleId :

VN0204MBS01

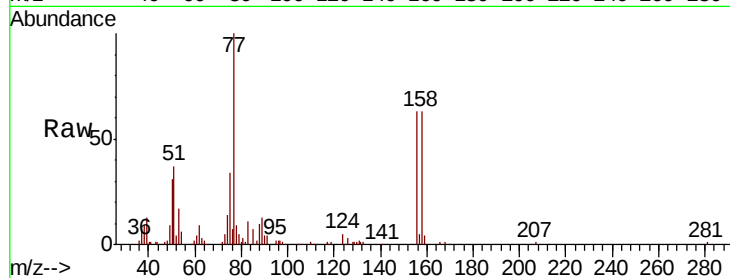
Tot Ion:156 Resp: 44912

Ion Ratio Lower Upper

156 100

77 195.4 115.8 347.4

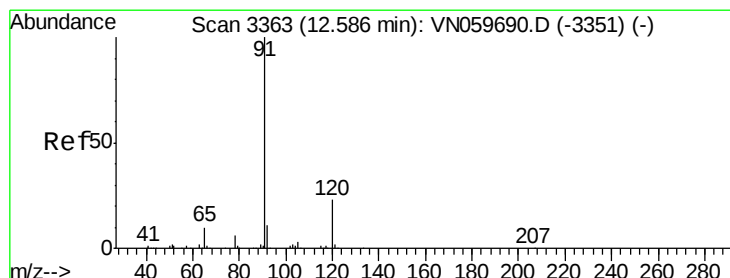
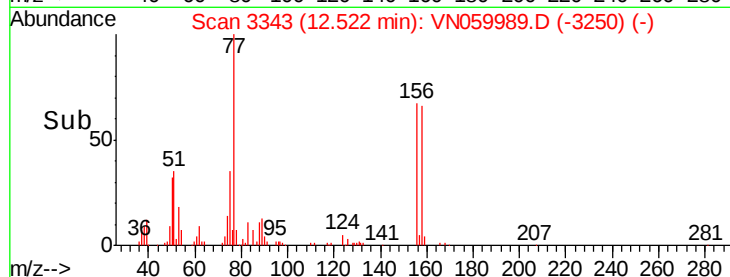
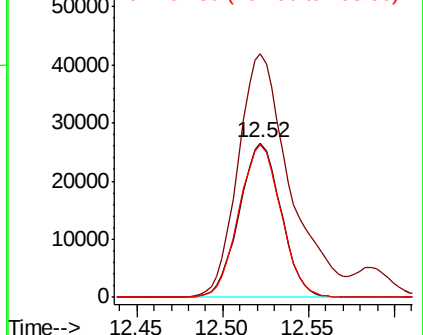
158 99.1 49.2 147.6



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.576 ug/l

RT: 12.59 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN059989.D

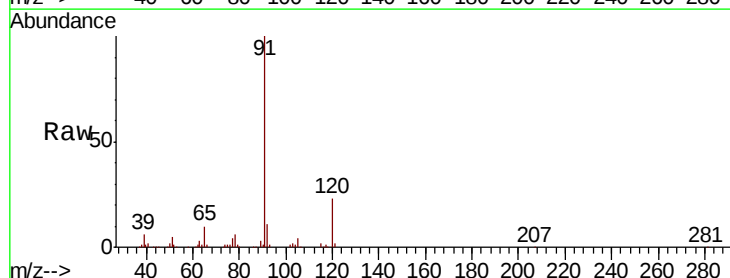
Acq: 4 Feb 2020 13:04

Tgt Ion: 91 Resp: 197432

Ion Ratio Lower Upper

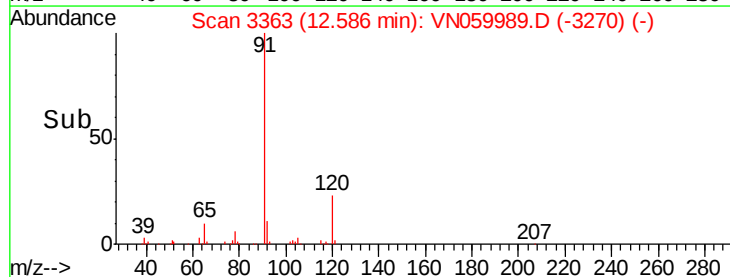
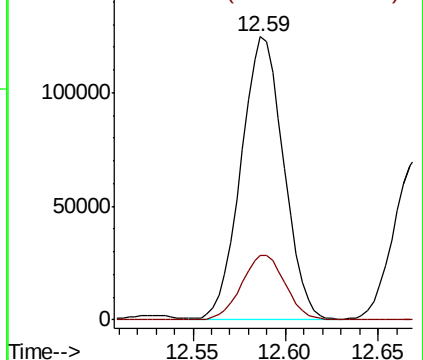
91 100

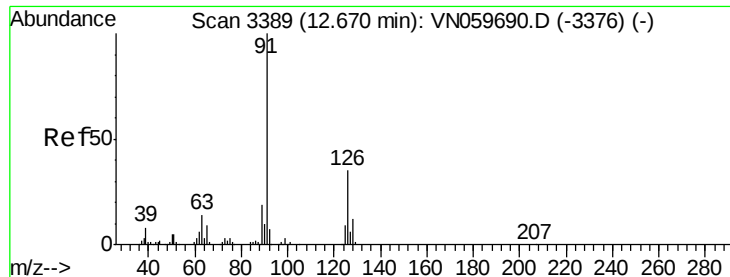
120 23.5 11.1 33.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.698 ug/l

RT: 12.67 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VN059989.D

Acq: 4 Feb 2020 13:04

Instrument :

MSVOA_N

ClientSampled :

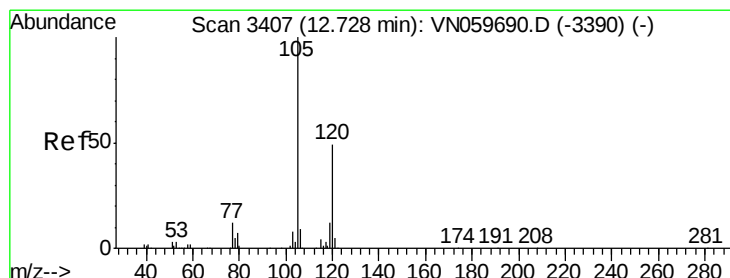
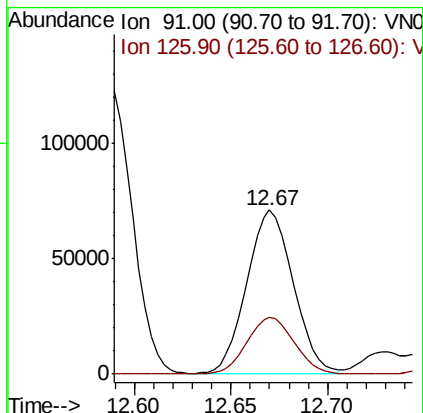
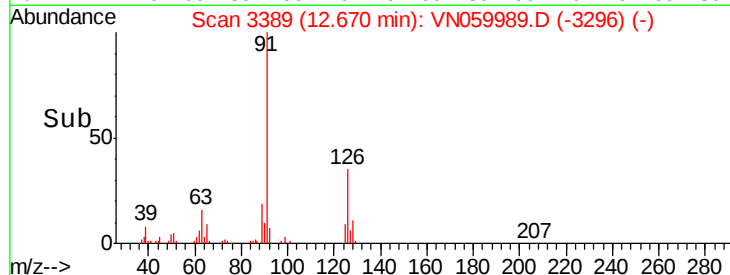
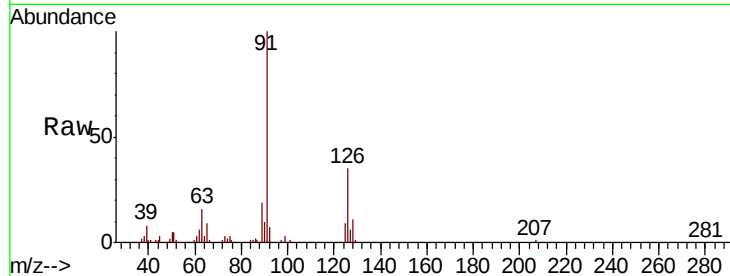
VN0204MBS01

Tot Ion: 91 Resp: 118189

Ion Ratio Lower Upper

91 100

126 35.3 16.3 48.9



#80

1,3,5-Trimethylbenzene

Concen: 19.597 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN059989.D

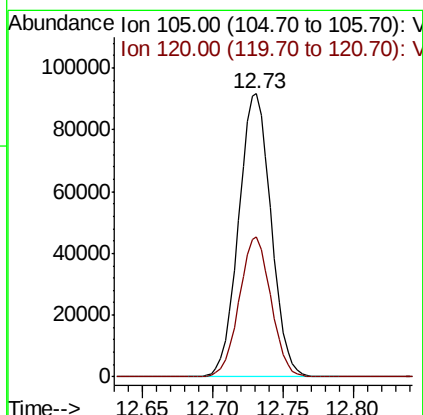
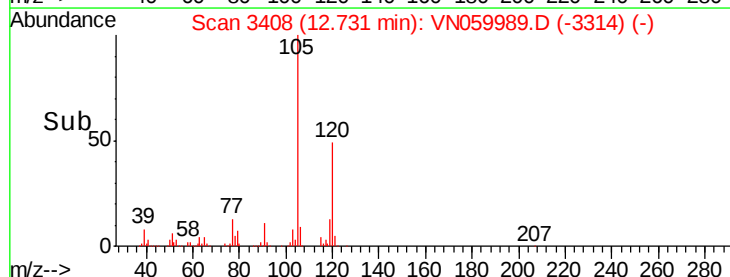
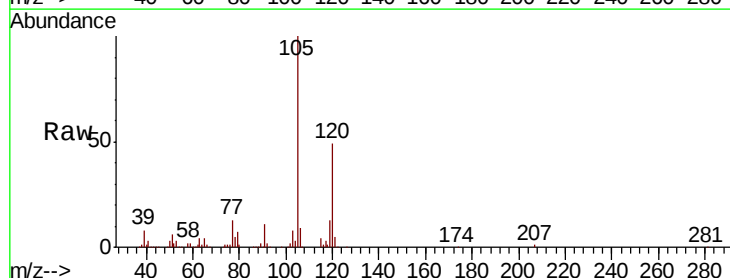
Acq: 4 Feb 2020 13:04

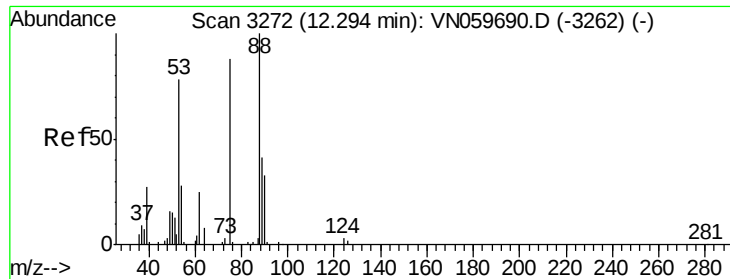
Tgt Ion: 105 Resp: 148097

Ion Ratio Lower Upper

105 100

120 48.2 24.1 72.4

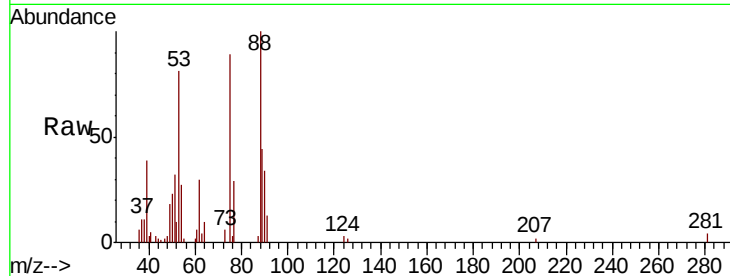




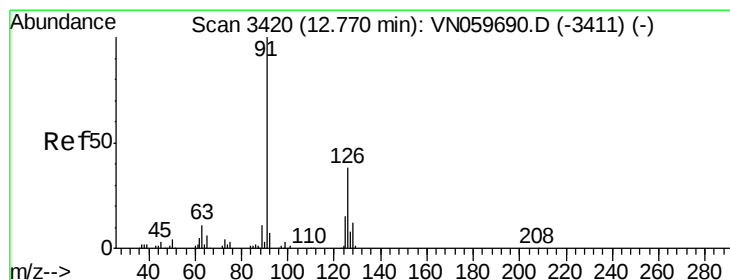
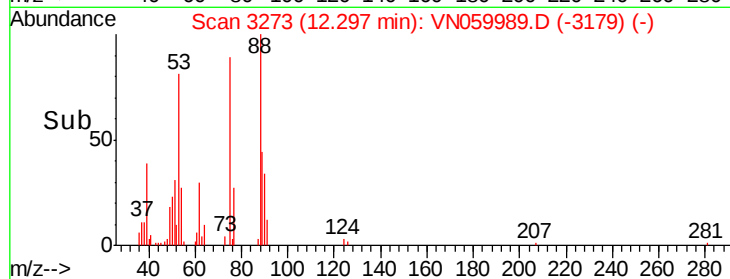
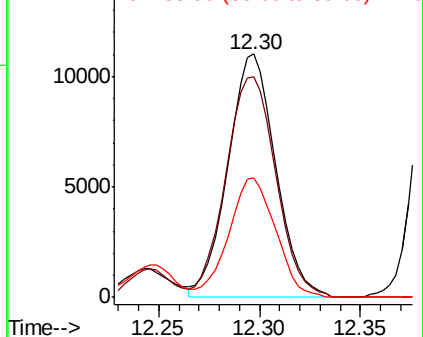
#81
trans-1,4-Dichloro-2-butene
Concen: 19.043 ug/l
RT: 12.30 min Scan# 3273
Delta R.T. 0.00 min
Lab File: VN059989.D
Acq: 4 Feb 2020 13:04

Instrument :
MSVOA_N
ClientSampled :
VN0204MBS01

Tot Ion: 75 Resp: 18284
Ion Ratio Lower Upper
75 100
53 95.1 78.1 117.1
89 48.0 35.4 53.2

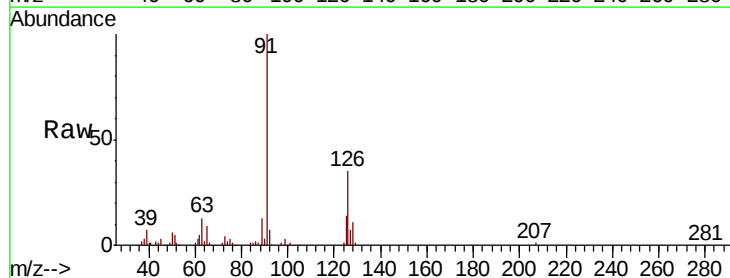


Abundance Ion 74.90 (74.60 to 75.60): VNO
Ion 53.00 (52.70 to 53.70): VNO
Ion 88.90 (88.60 to 89.60): VNO

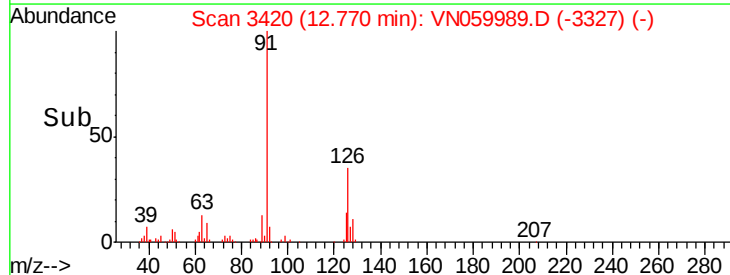
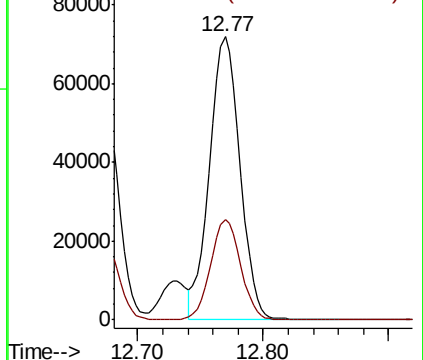


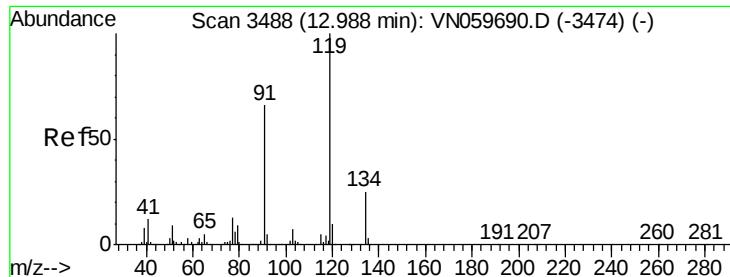
#82
4-Chlorotoluene
Concen: 20.175 ug/l
RT: 12.77 min Scan# 3420
Delta R.T. 0.00 min
Lab File: VN059989.D
Acq: 4 Feb 2020 13:04

Tgt Ion: 91 Resp: 121415
Ion Ratio Lower Upper
91 100
126 34.9 16.3 48.8



Abundance Ion 91.00 (90.70 to 91.70): VNO
Ion 125.90 (125.60 to 126.60): V

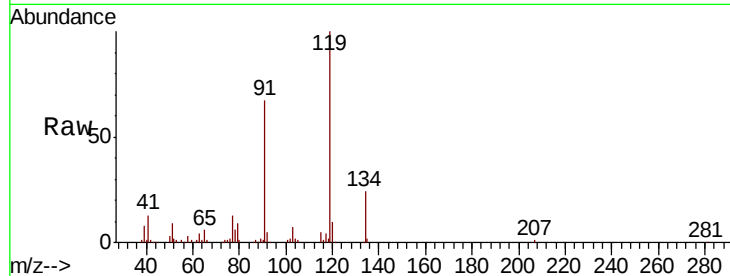




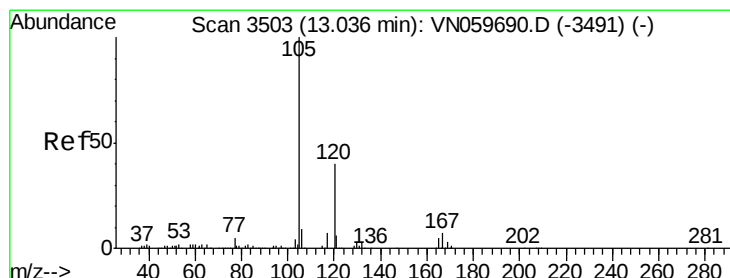
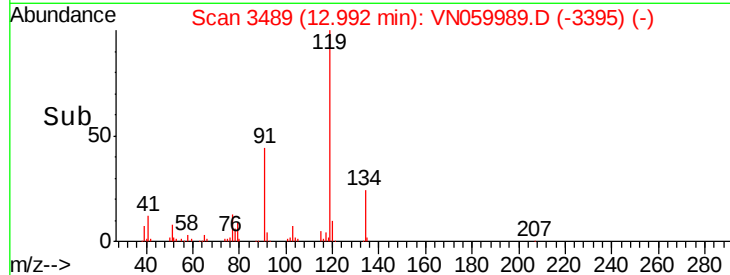
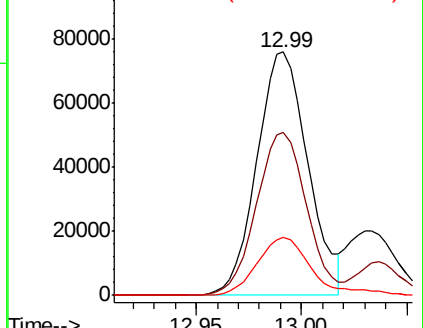
#83
tert-Butylbenzene
Concen: 19.591 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN059989.D
Acq: 4 Feb 2020 13:04

Instrument :
MSVOA_N
ClientSampled :
VN0204MBS01

Tot Ion:119 Resp: 128046
Ion Ratio Lower Upper
119 100
91 66.2 34.8 104.4
134 25.5 12.3 36.9

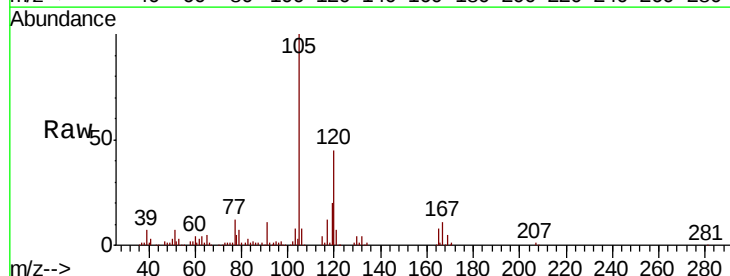


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

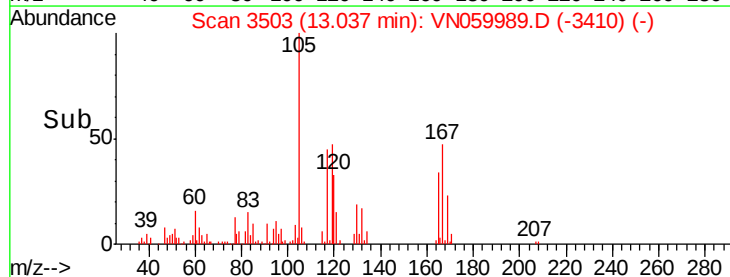
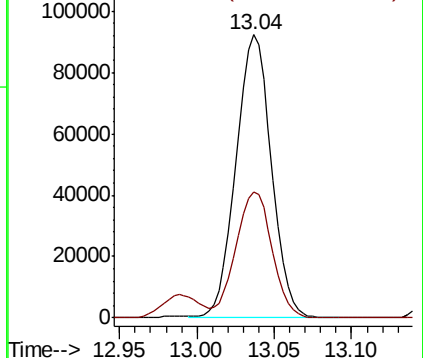


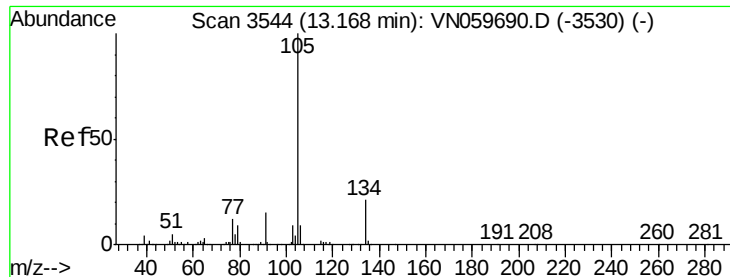
#84
1,2,4-Trimethylbenzene
Concen: 19.630 ug/l
RT: 13.04 min Scan# 3503
Delta R.T. 0.00 min
Lab File: VN059989.D
Acq: 4 Feb 2020 13:04

Tgt Ion:105 Resp: 146759
Ion Ratio Lower Upper
105 100
120 45.9 22.3 66.9



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 19.547 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. 0.00 min

Lab File: VN059989.D

Acq: 4 Feb 2020 13:04

Instrument :

MSVOA_N

ClientSampleId :

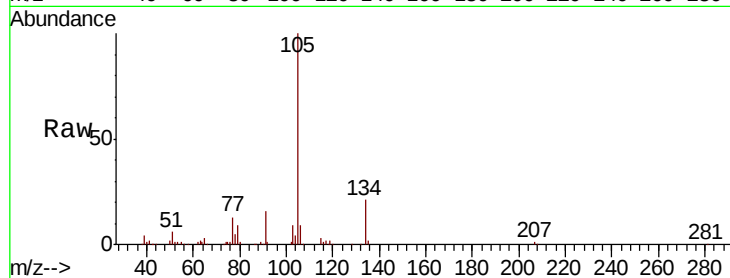
VN0204MBS01

Tot Ion:105 Resp: 167857

Ion Ratio Lower Upper

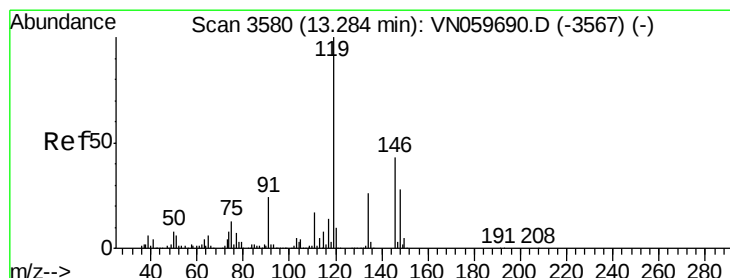
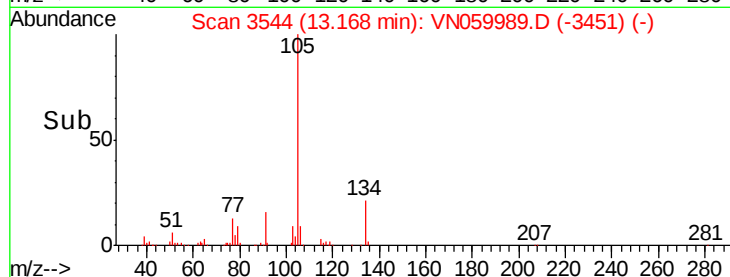
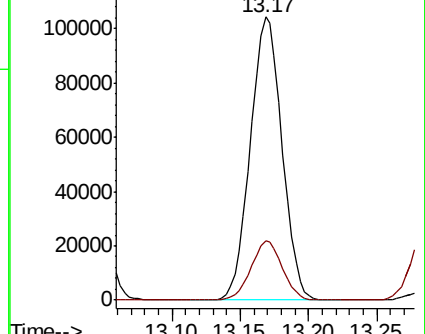
105 100

134 20.6 9.8 29.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 19.352 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN059989.D

Acq: 4 Feb 2020 13:04

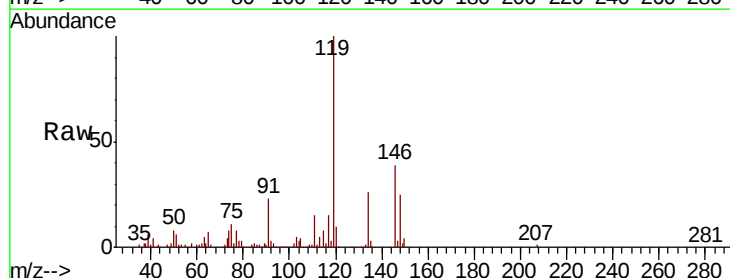
Tgt Ion:119 Resp: 153766

Ion Ratio Lower Upper

119 100

134 26.5 12.9 38.7

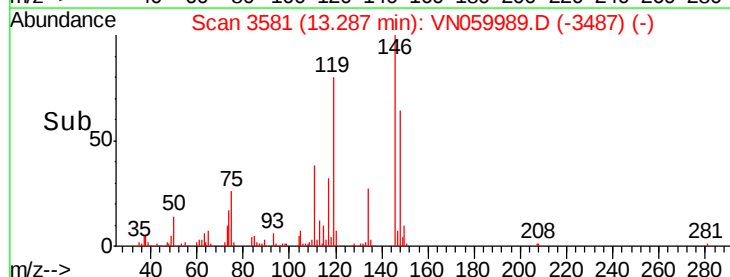
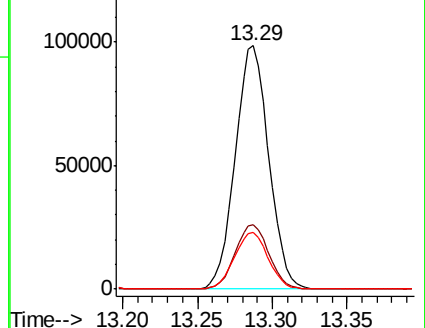
91 23.5 12.4 37.4

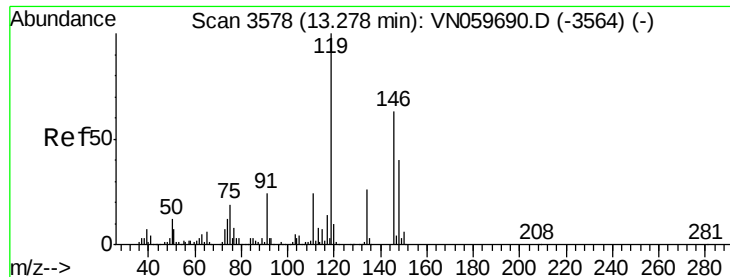


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 20.173 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. 0.00 min

Lab File: VN059989.D

Acq: 4 Feb 2020 13:04

Instrument :

MSVOA_N

ClientSampleId :

VN0204MBS01

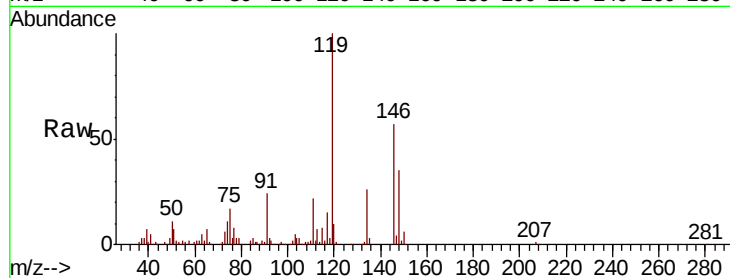
Tot Ion:146 Resp: 79740

Ion Ratio Lower Upper

146 100

111 38.8 20.8 62.2

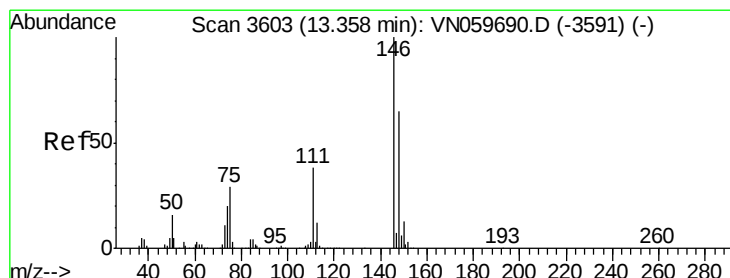
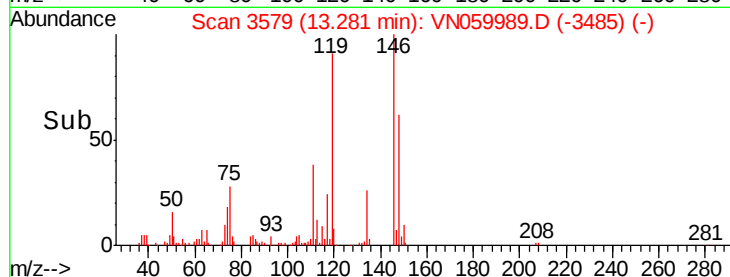
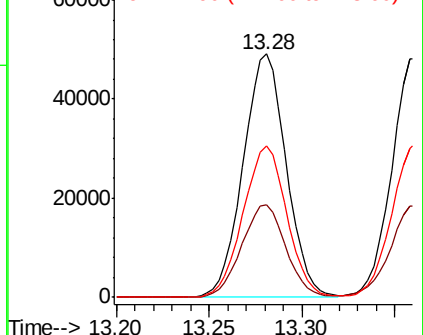
148 62.9 32.0 96.0



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 20.106 ug/l

RT: 13.36 min Scan# 3604

Delta R.T. 0.00 min

Lab File: VN059989.D

Acq: 4 Feb 2020 13:04

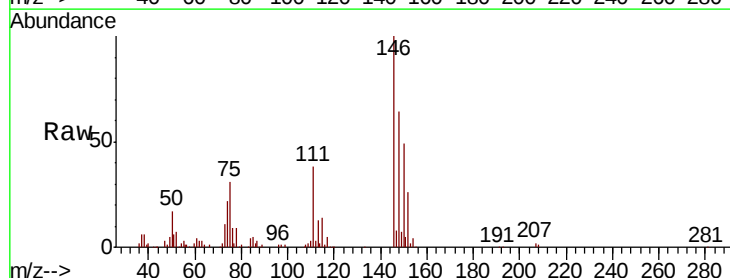
Tgt Ion:146 Resp: 79285

Ion Ratio Lower Upper

146 100

111 39.4 20.8 62.2

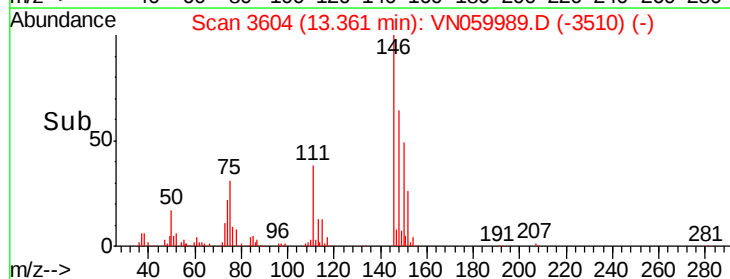
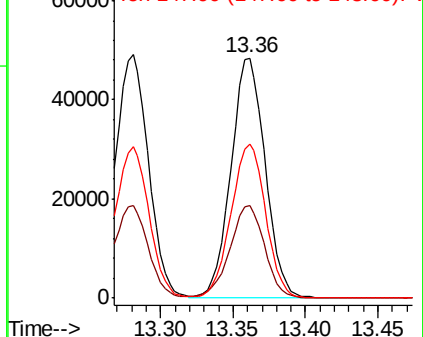
148 64.7 31.8 95.4

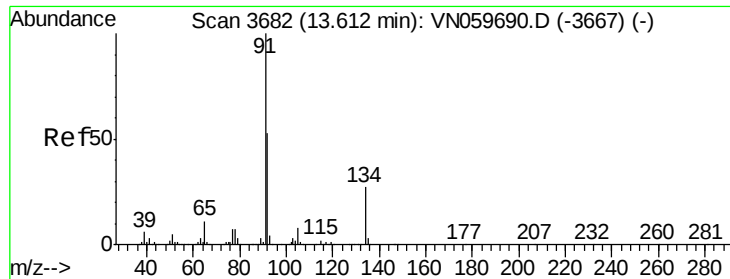


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 19.821 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. 0.00 min

Lab File: VN059989.D

Acq: 4 Feb 2020 13:04

Instrument :

MSVOA_N

ClientSampleId :

VN0204MBS01

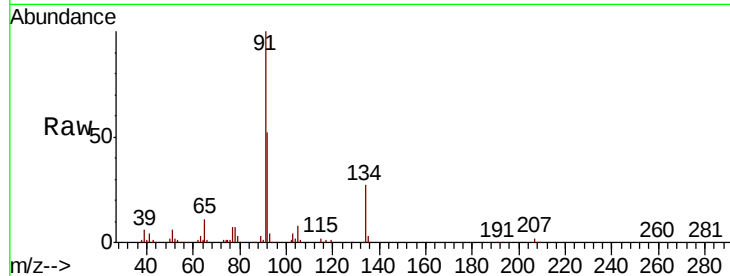
Tot Ion: 91 Resp: 134280

Ion	Ratio	Lower	Upper
91	100		
92	51.9	25.9	77.7
134	26.5	12.3	36.8

91 100

92 51.9 25.9 77.7

134 26.5 12.3 36.8

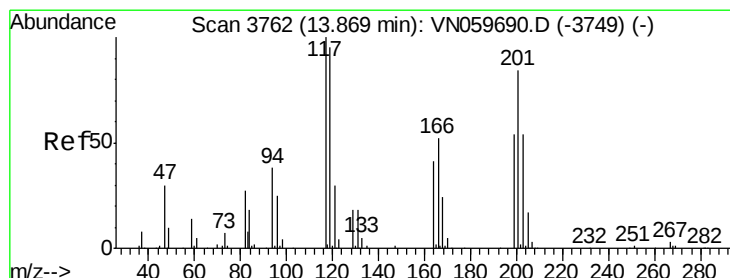
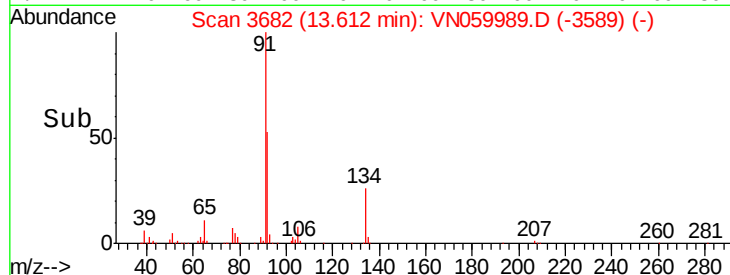
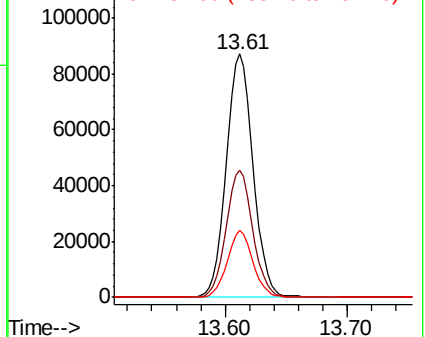


Abundance

Ion 91.00 (90.70 to 91.70): VN059989.D (-3669) (-)

Ion 92.00 (91.70 to 92.70): VN059989.D (-3669) (-)

Ion 134.00 (133.70 to 134.70): VN059989.D (-3669) (-)



#90

Hexachloroethane

Concen: 19.336 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. 0.00 min

Lab File: VN059989.D

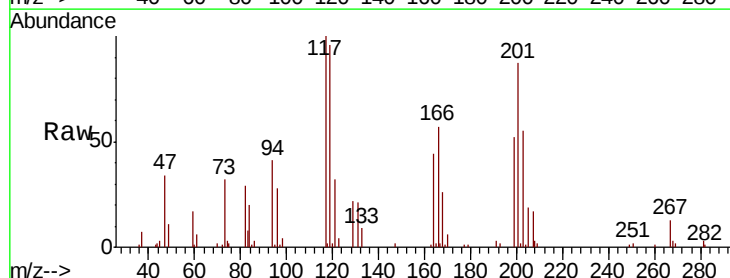
Acq: 4 Feb 2020 13:04

Tgt Ion: 117 Resp: 28746

Ion	Ratio	Lower	Upper
117	100		
201	85.4	37.8	113.4

117 100

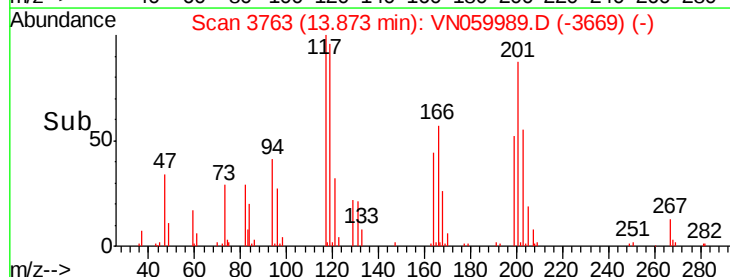
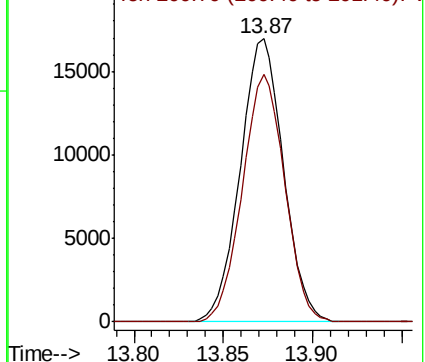
201 85.4 37.8 113.4

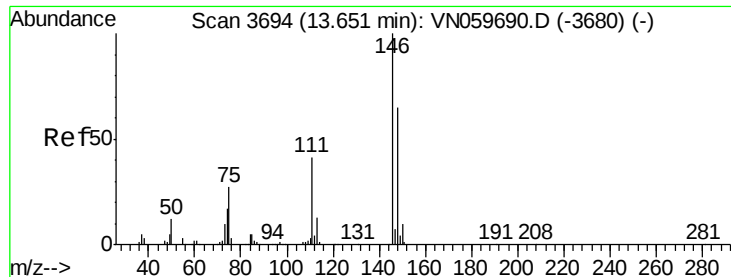


Abundance

Ion 116.80 (116.50 to 117.50): VN059989.D (-3669) (-)

Ion 200.70 (200.40 to 201.40): VN059989.D (-3669) (-)





#91

1,2-Dichlorobenzene

Concen: 20.327 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. 0.00 min

Lab File: VN059989.D

Acq: 4 Feb 2020 13:04

Instrument :

MSVOA_N

ClientSampleId :

VN0204MBS01

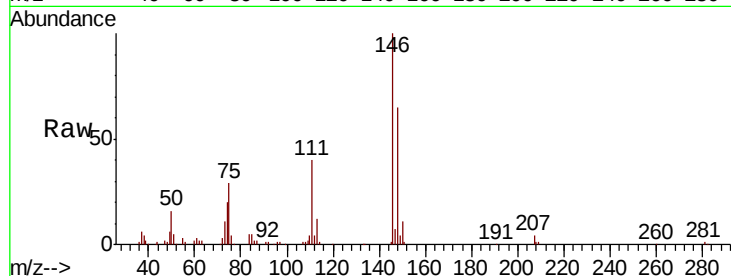
Tot Ion:146 Resp: 79434

Ion Ratio Lower Upper

146 100

111 40.1 21.6 64.8

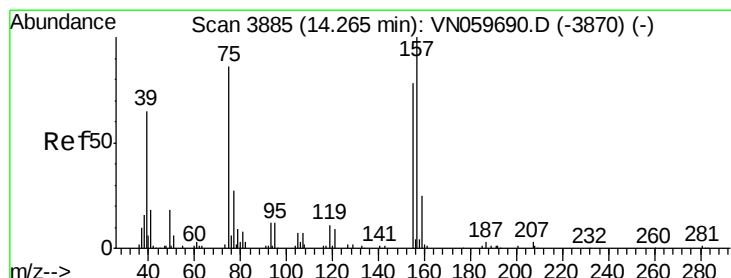
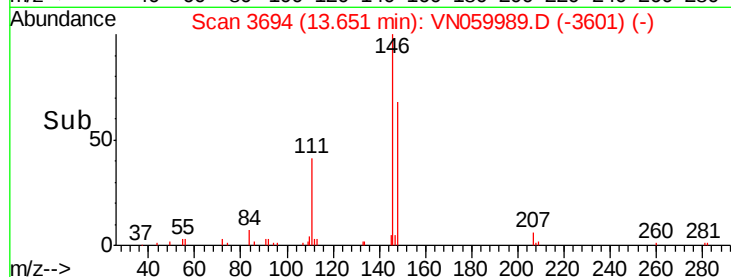
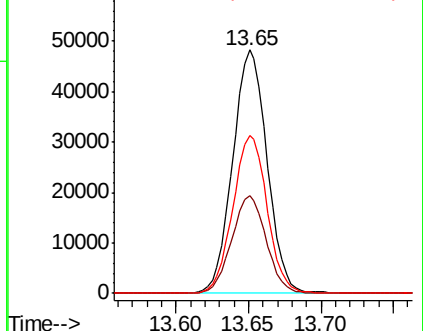
148 64.6 31.6 95.0



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 19.430 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. 0.00 min

Lab File: VN059989.D

Acq: 4 Feb 2020 13:04

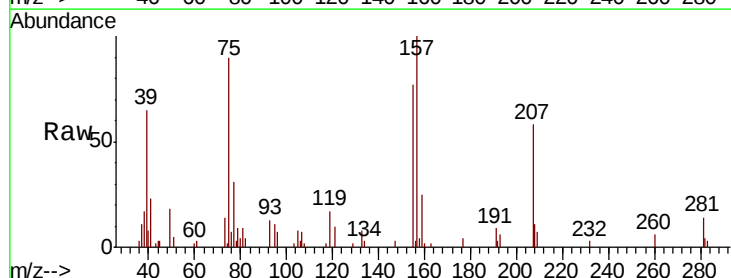
Tgt Ion: 75 Resp: 11578

Ion Ratio Lower Upper

75 100

155 82.8 37.0 110.9

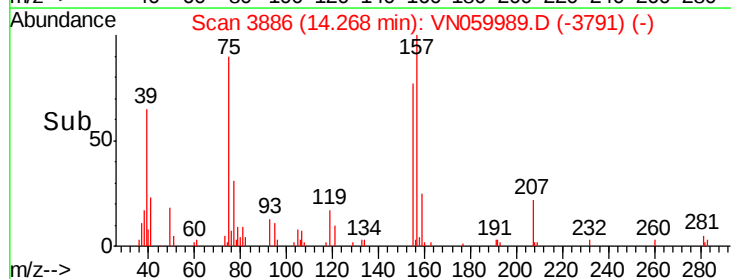
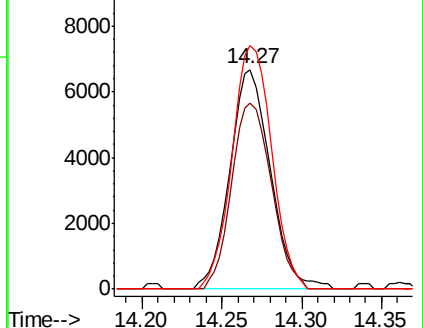
157 108.1 48.4 145.2

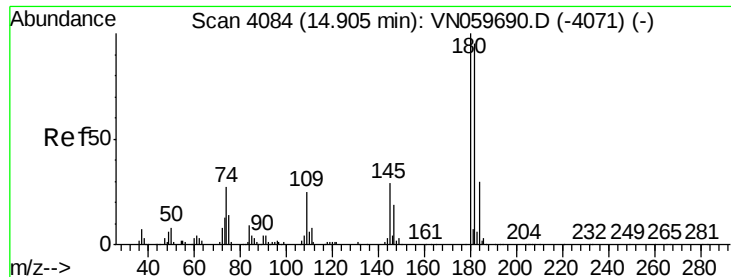


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

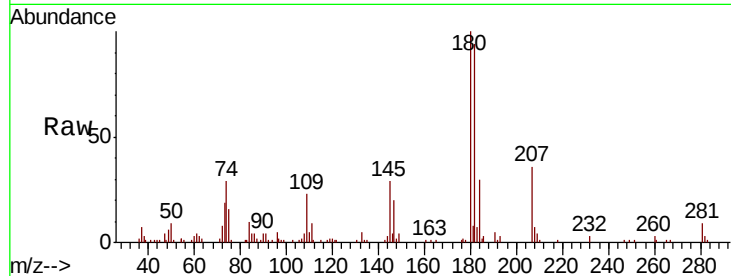




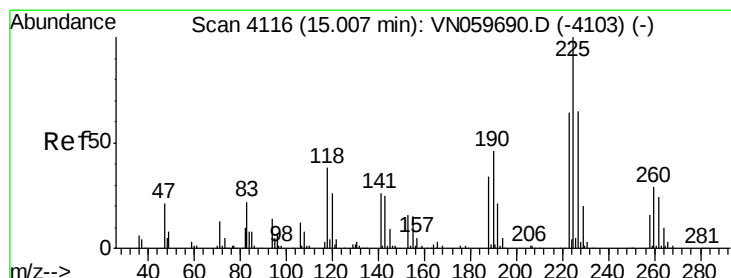
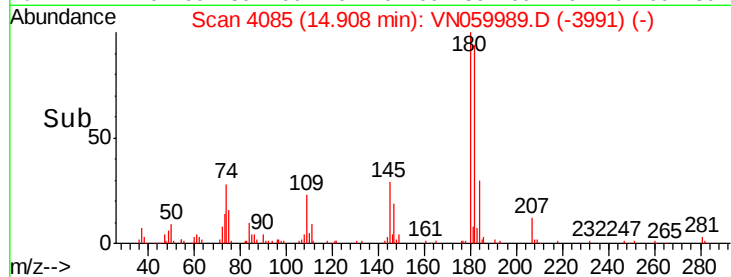
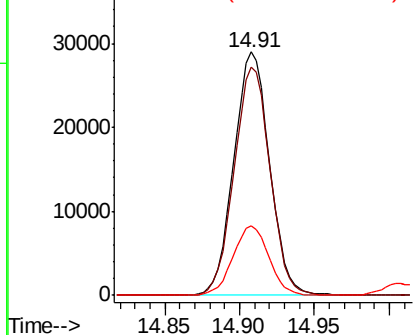
#93
 1,2,4-Trichlorobenzene
 Concen: 20.547 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN059989.D
 Acq: 4 Feb 2020 13:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0204MBS01

Tot Ion:180 Resp: 48247
 Ion Ratio Lower Upper
 180 100
 182 94.0 46.9 140.7
 145 28.5 15.0 45.1

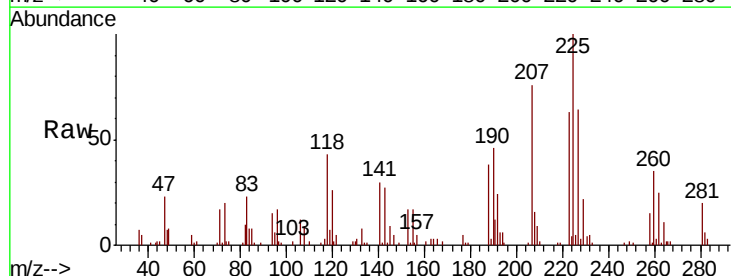


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

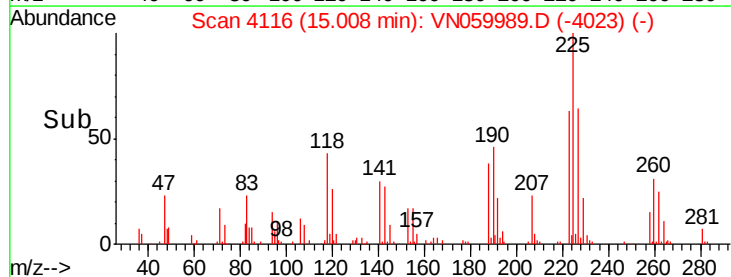
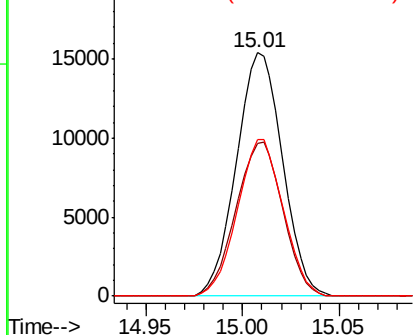


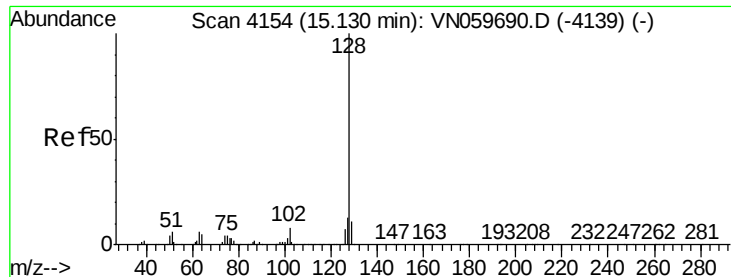
#94
 Hexachlorobutadiene
 Concen: 19.764 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN059989.D
 Acq: 4 Feb 2020 13:04

Tgt Ion:225 Resp: 25573
 Ion Ratio Lower Upper
 225 100
 223 64.1 31.8 95.3
 227 63.6 32.1 96.5



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V

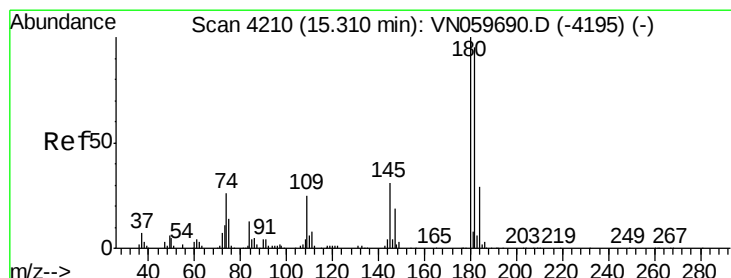
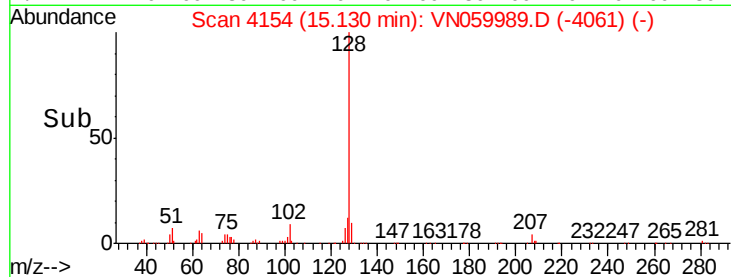
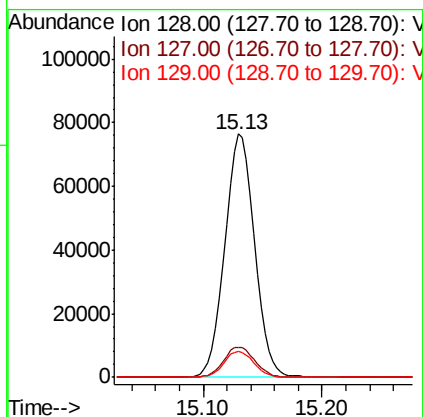
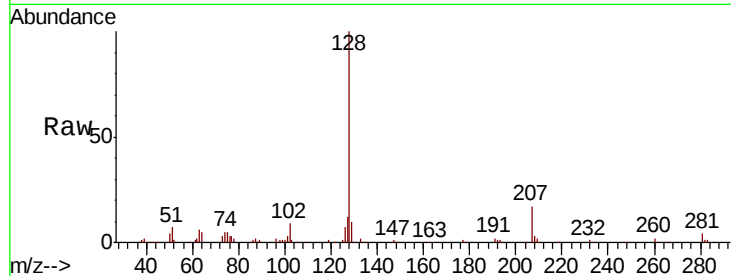




#95
Naphthalene
Concen: 19.849 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN059989.D
Acq: 4 Feb 2020 13:04

Instrument :
MSVOA_N
ClientSampleId :
VN0204MBS01

Tot Ion:128 Resp: 132570
Ion Ratio Lower Upper
128 100
127 13.0 10.4 15.6
129 10.7 8.6 12.8



#96
1,2,3-Trichlorobenzene
Concen: 20.991 ug/l
RT: 15.31 min Scan# 4210
Delta R.T. 0.00 min
Lab File: VN059989.D
Acq: 4 Feb 2020 13:04

Tgt Ion:180 Resp: 47976
Ion Ratio Lower Upper
180 100
182 95.3 47.4 142.3
145 31.5 16.3 48.9

