

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111219\
 Data File : VN059189.D
 Acq On : 12 Nov 2019 14:45
 Operator : JC/SP
 Sample : VN1112MBSD01
 Misc : 5.00µg/10mL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1112MBSD01

Quant Time: Nov 13 05:39:49 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110619W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 07 04:00:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	422303	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	669053	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	615071	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	284138	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	279426	53.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.66%	
35) Dibromofluoromethane	7.57	113	215197	53.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.74%	
50) Toluene-d8	10.08	98	839570	53.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.70%	
62) 4-Bromofluorobenzene	12.40	95	304536	53.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.36%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.83	85	81521	19.159 ug/l	99
3) Chloromethane	2.04	50	110836	19.163 ug/l	100
4) Vinyl Chloride	2.17	62	110821	19.763 ug/l	100
5) Bromomethane	2.54	94	64276	19.919 ug/l	97
6) Chloroethane	2.68	64	65562	19.765 ug/l	100
7) Trichlorofluoromethane	3.00	101	136731	20.386 ug/l	100
8) Diethyl Ether	3.39	74	54616	20.040 ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.73	101	83141	20.559 ug/l	99
10) Methyl Iodide	3.93	142	99150	19.807 ug/l	99
11) Tert butyl alcohol	4.75	59	108192	109.359 ug/l	98
12) 1,1-Dichloroethene	3.72	96	78131	19.833 ug/l	99
13) Acrolein	3.58	56	38488	75.455 ug/l	99
14) Allyl chloride	4.30	41	159658	19.730 ug/l	99
15) Acrylonitrile	4.96	53	246361	100.061 ug/l	98
16) Acetone	3.79	43	243357	90.148 ug/l	100
17) Carbon Disulfide	4.03	76	218772	17.890 ug/l	100
18) Methyl Acetate	4.30	43	141622	22.102 ug/l	97
19) Methyl tert-butyl Ether	5.01	73	282212	20.808 ug/l	99
20) Methylene Chloride	4.53	84	97912	20.819 ug/l	97
21) trans-1,2-Dichloroethene	5.01	96	83872	19.835 ug/l	98
22) Diisopropyl ether	5.92	45	318837	20.860 ug/l	94
23) Vinyl Acetate	5.87	43	1310431	110.622 ug/l	98
24) 1,1-Dichloroethane	5.82	63	176047	20.622 ug/l	99
25) 2-Butanone	6.81	43	366544	103.025 ug/l	100
26) 2,2-Dichloropropane	6.80	77	143868	19.273 ug/l	99
27) cis-1,2-Dichloroethene	6.80	96	100091	20.402 ug/l	99
28) Bromochloromethane	7.17	49	53681	20.901 ug/l	100
29) Tetrahydrofuran	7.19	42	247401	109.439 ug/l	98
30) Chloroform	7.35	83	172282	21.037 ug/l	99
31) Cyclohexane	7.63	56	157501	19.488 ug/l	96
32) 1,1,1-Trichloroethane	7.55	97	143595	20.856 ug/l	99
36) 1,1-Dichloropropene	7.77	75	124689	19.938 ug/l	100
37) Ethyl Acetate	6.90	43	148482	21.343 ug/l	99
38) Carbon Tetrachloride	7.75	117	124967	20.077 ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.07	83	139589	19.233	ug/l	99
40) Benzene	8.02	78	380385	20.199	ug/l	100
41) Methacrylonitrile	7.19	41	213574	70.598	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	132310	20.485	ug/l	100
43) Isopropyl Acetate	8.14	43	227551	20.516	ug/l	100
44) Trichloroethene	8.82	130	91305	19.724	ug/l	99
45) 1,2-Dichloropropane	9.10	63	105565	20.638	ug/l	98
46) Dibromomethane	9.19	93	63233	19.838	ug/l	97
47) Bromodichloromethane	9.39	83	129811	20.395	ug/l	99
48) Methyl methacrylate	9.18	41	99572	20.071	ug/l	99
49) 1,4-Dioxane	9.18	88	36955	419.152	ug/l	97
51) 4-Methyl-2-Pentanone	9.97	43	735037	117.124	ug/l	98
52) Toluene	10.15	92	231109	20.475	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	149173	20.286	ug/l	98
54) cis-1,3-Dichloropropene	9.83	75	160991	20.353	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	94313	20.646	ug/l	99
56) Ethyl methacrylate	10.42	69	144727	20.157	ug/l	99
57) 1,3-Dichloropropane	10.70	76	163157	20.752	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	282431	111.094	ug/l	100
59) 2-Hexanone	10.74	43	543182	112.766	ug/l	100
60) Dibromochloromethane	10.90	129	100471	20.802	ug/l	100
61) 1,2-Dibromoethane	11.00	107	95585	20.670	ug/l	99
64) Tetrachloroethene	10.62	164	83564	19.980	ug/l	97
65) Chlorobenzene	11.43	112	244405	20.384	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	91734	20.395	ug/l	97
67) Ethyl Benzene	11.51	91	450671	21.185	ug/l	100
68) m/p-Xylenes	11.62	106	331529	41.604	ug/l	98
69) o-Xylene	11.94	106	163403	21.219	ug/l	97
70) Styrene	11.96	104	257789	21.285	ug/l	99
71) Bromoform	12.13	173	72113	20.612	ug/l #	98
73) Isopropylbenzene	12.25	105	430018	20.806	ug/l	100
74) N-amyl acetate	12.07	43	185111	21.136	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	148623	21.116	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	195275	30.187	ug/l #	100
77) Bromobenzene	12.53	156	109872	21.159	ug/l	95
78) n-propylbenzene	12.59	91	500457	21.147	ug/l	99
79) 2-Chlorotoluene	12.67	91	300965	20.501	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	363099	20.733	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	49374	20.160	ug/l	98
82) 4-Chlorotoluene	12.77	91	301749	20.493	ug/l	99
83) tert-Butylbenzene	12.99	119	308812	20.418	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	362882	21.416	ug/l	98
85) sec-Butylbenzene	13.17	105	410552	20.872	ug/l	99
86) p-Isopropyltoluene	13.29	119	371994	21.419	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	177812	19.997	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	179153	20.137	ug/l	98
89) n-Butylbenzene	13.62	91	319136	20.995	ug/l	100
90) Hexachloroethane	13.88	117	69989	20.069	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	183206	20.944	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	29427	20.971	ug/l #	59

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	104324	21.506	ug/l	98
94) Hexachlorobutadiene	15.01	225	59857	19.846	ug/l	97
95) Naphthalene	15.13	128	525533	36.564	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	105868	21.596	ug/l	97

(#) = 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: VN059189.D

Acq: 12 Nov 2019 14:45

Instrument :

MSVOA_N

ClientSampleId :

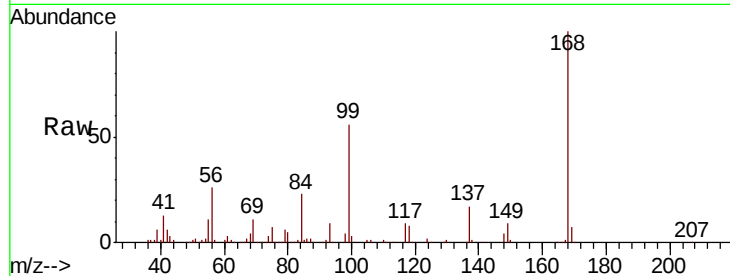
VN1112MBSD01

Tot Ion:168 Resp: 422303

Ion Ratio Lower Upper

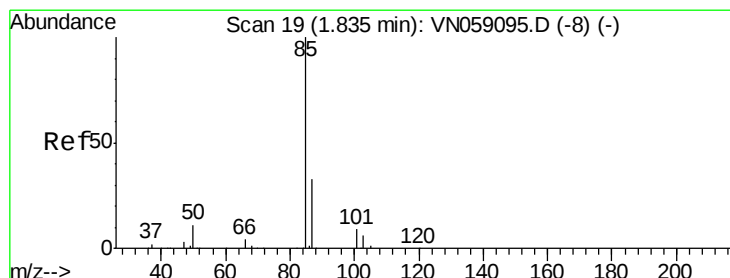
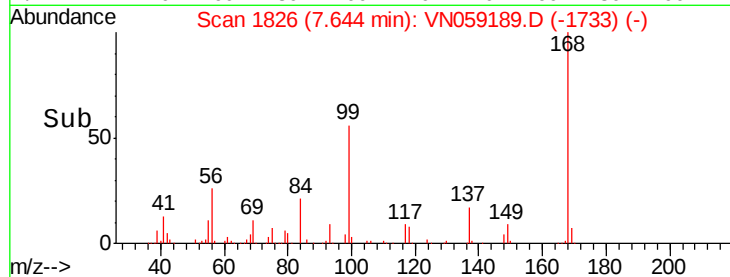
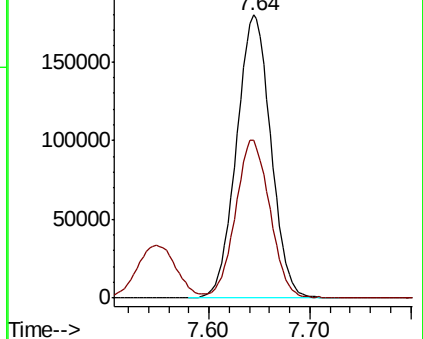
168 100

99 55.7 45.7 68.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#2

Dichlorodifluoromethane

Concen: 19.159 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN059189.D

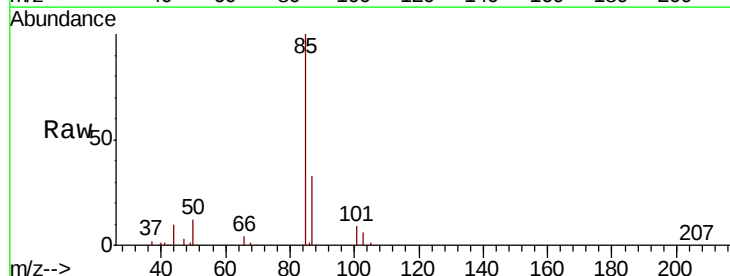
Acq: 12 Nov 2019 14:45

Tgt Ion: 85 Resp: 81521

Ion Ratio Lower Upper

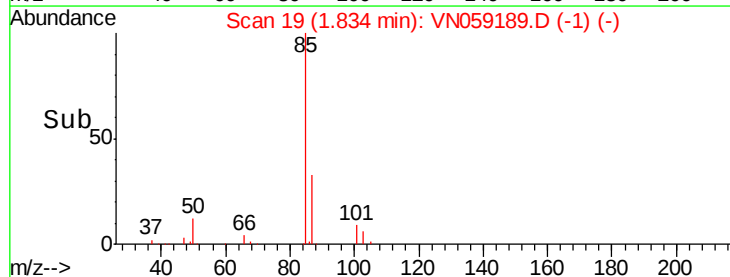
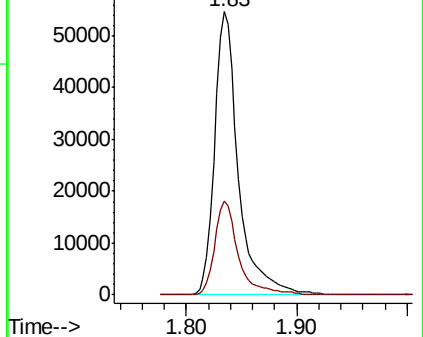
85 100

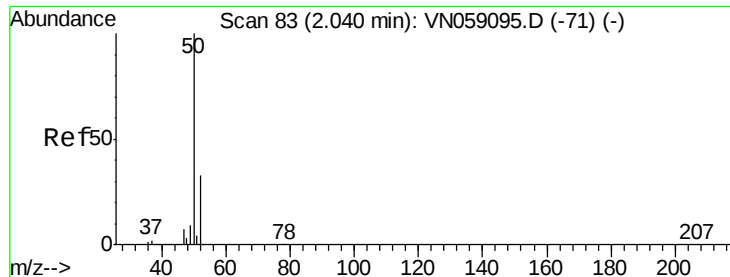
87 33.0 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VN0

Ion 86.90 (86.60 to 87.60): VN0





#3

Chloromethane

Concen: 19.163 ug/l

RT: 2.04 min Scan# 83

Delta R.T. -0.00 min

Lab File: VN059189.D

Acq: 12 Nov 2019 14:45

Instrument :

MSVOA_N

ClientSampleId :

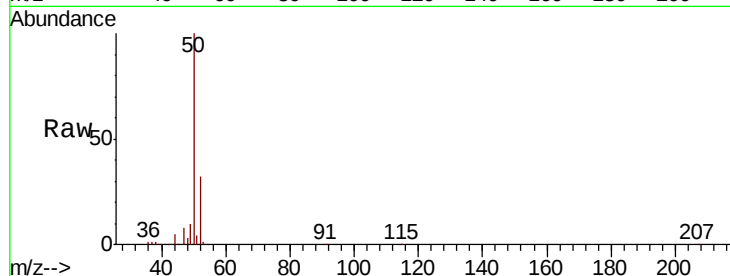
VN1112MBSD01

Tot Ion: 50 Resp: 110836

Ion Ratio Lower Upper

50 100

52 32.4 26.0 39.0



Abundance Ion 49.90 (49.60 to 50.60): VN059189.D (-1) (-)

Ion 51.90 (51.60 to 52.60): VN059189.D (-1) (-)

2.04

80000

60000

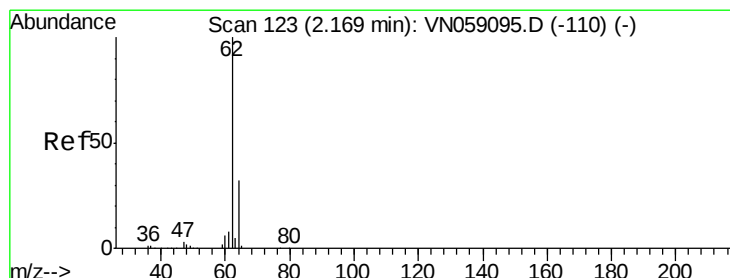
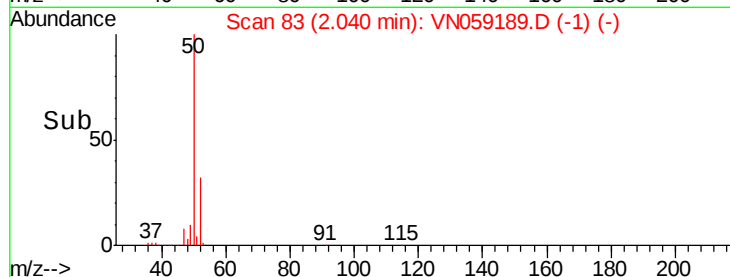
40000

20000

0

Time-->

2.00 2.05 2.10



#4

Vinyl Chloride

Concen: 19.763 ug/l

RT: 2.17 min Scan# 123

Delta R.T. -0.00 min

Lab File: VN059189.D

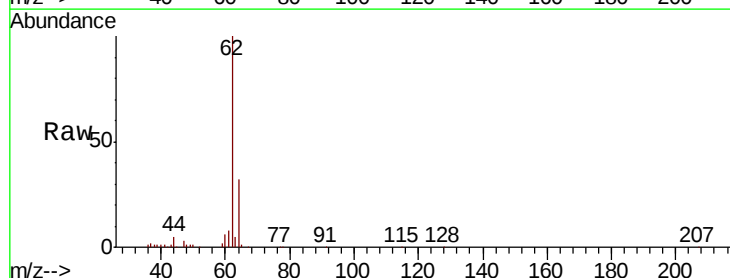
Acq: 12 Nov 2019 14:45

Tgt Ion: 62 Resp: 110821

Ion Ratio Lower Upper

62 100

64 31.6 25.4 38.2



Abundance Ion 61.90 (61.60 to 62.60): VN059189.D (-30) (-)

Ion 63.90 (63.60 to 64.60): VN059189.D (-30) (-)

2.17

80000

60000

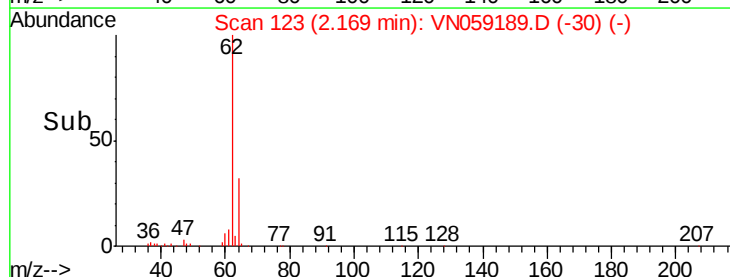
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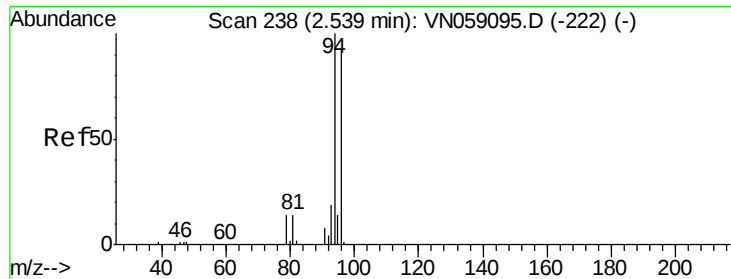
20000

0

Time-->

2.10 2.15 2.20 2.25





#5

Bromomethane

Concen: 19.919 ug/l

RT: 2.54 min Scan# 240

Delta R.T. 0.01 min

Lab File: VN059189.D

Acq: 12 Nov 2019 14:45

Instrument :

MSVOA_N

ClientSampleId :

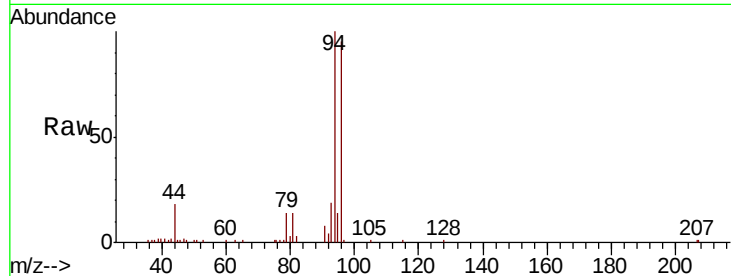
VN1112MBSD01

Tot Ion: 94 Resp: 64276

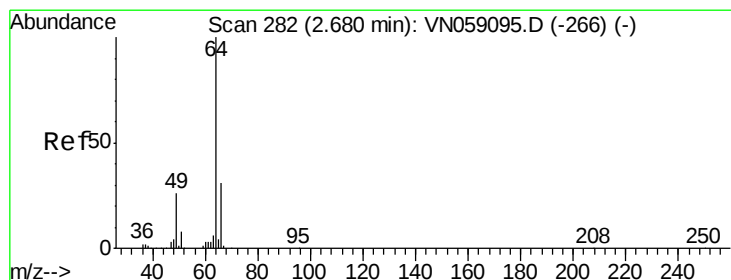
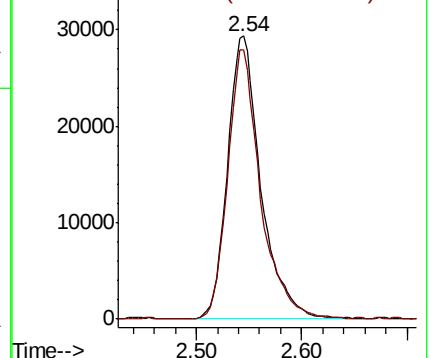
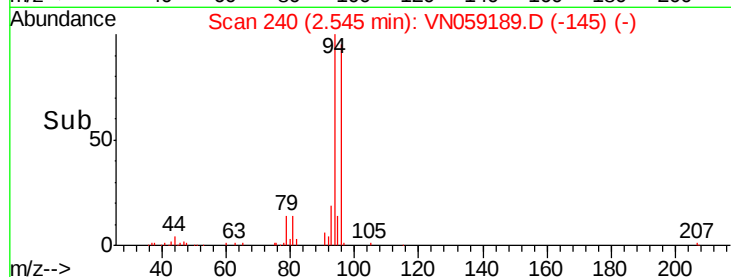
Ion Ratio Lower Upper

94 100

96 95.1 74.2 111.2



Abundance Ion 93.90 (93.60 to 94.60): VN059189.D (-145) (-)



#6

Chloroethane

Concen: 19.765 ug/l

RT: 2.68 min Scan# 283

Delta R.T. 0.00 min

Lab File: VN059189.D

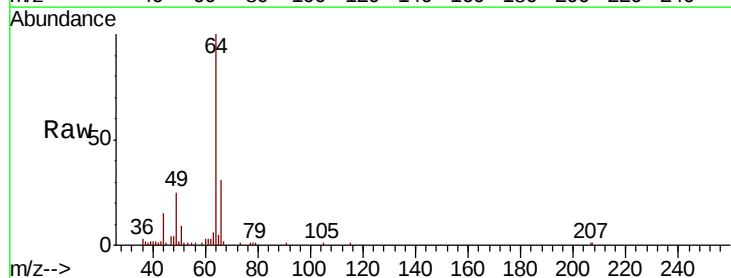
Acq: 12 Nov 2019 14:45

Tgt Ion: 64 Resp: 65562

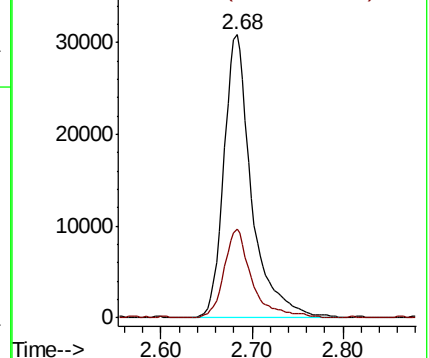
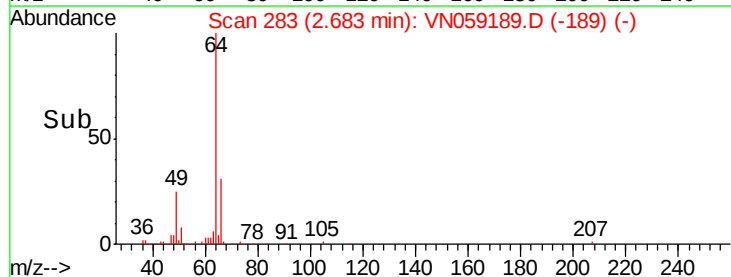
Ion Ratio Lower Upper

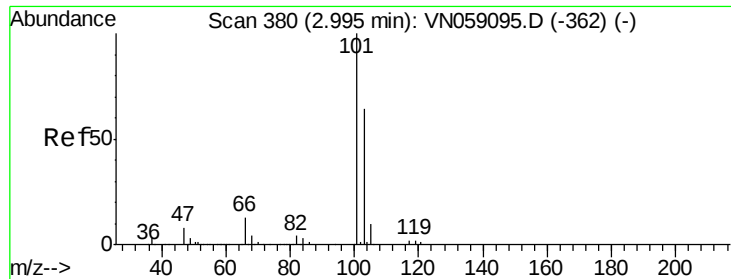
64 100

66 31.4 25.2 37.8



Abundance Ion 63.90 (63.60 to 64.60): VN059189.D (-189) (-)



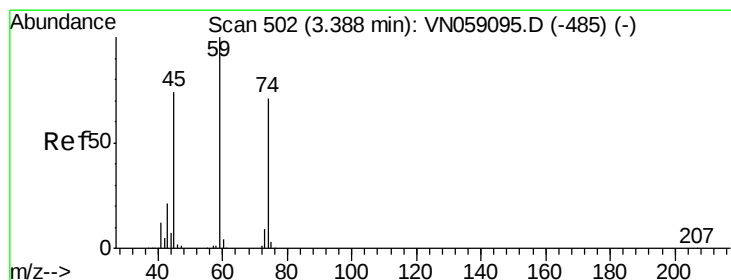
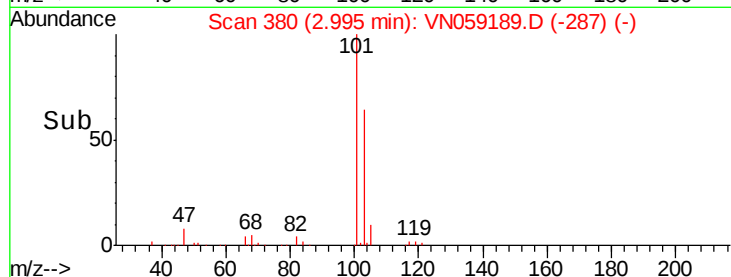
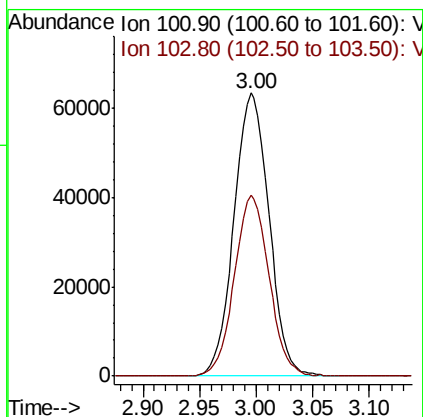
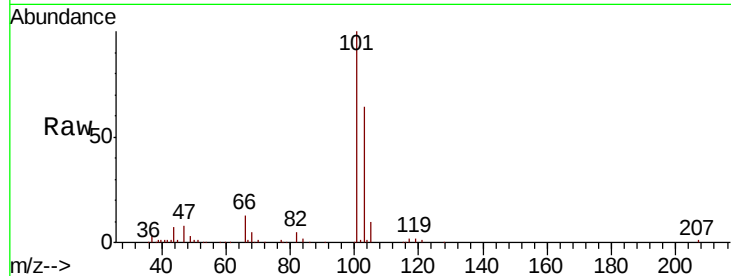


#7

Trichlorofluoromethane
 Concen: 20.386 ug/l
 RT: 3.00 min Scan# 380
 Delta R.T. -0.00 min
 Lab File: VN059189.D
 Acq: 12 Nov 2019 14:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1112MBSD01

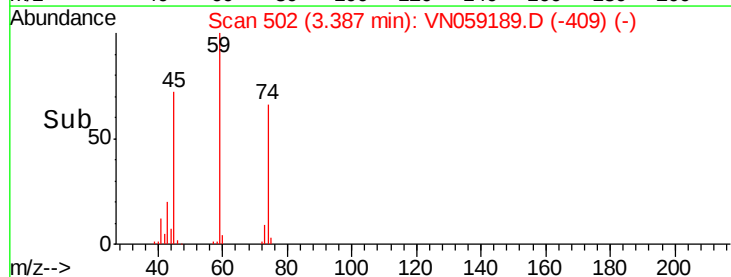
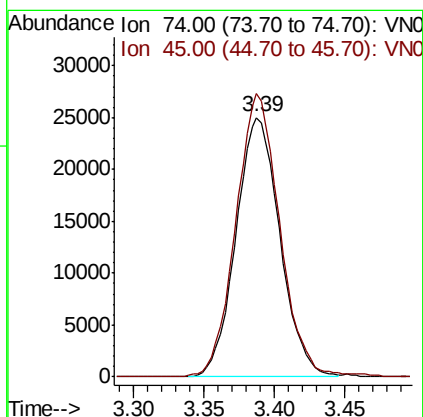
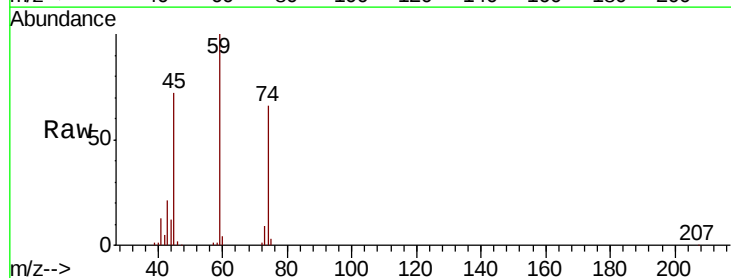
Tot Ion:101 Resp: 136731
 Ion Ratio Lower Upper
 101 100
 103 63.9 51.2 76.8

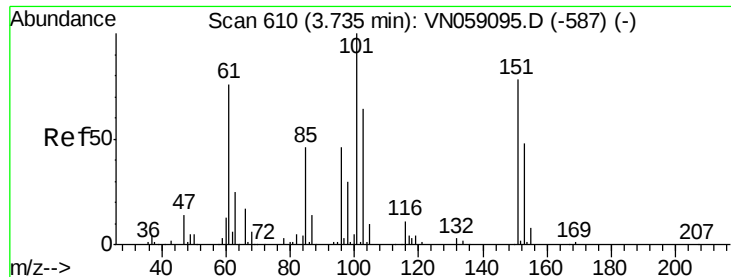


#8

Diethyl Ether
 Concen: 20.040 ug/l
 RT: 3.39 min Scan# 502
 Delta R.T. -0.00 min
 Lab File: VN059189.D
 Acq: 12 Nov 2019 14:45

Tgt Ion: 74 Resp: 54616
 Ion Ratio Lower Upper
 74 100
 45 109.3 51.6 154.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.559 ug/l

RT: 3.73 min Scan# 610

Delta R.T. -0.00 min

Lab File: VN059189.D

Acq: 12 Nov 2019 14:45

Instrument :

MSVOA_N

ClientSampleId :

VN1112MBSD01

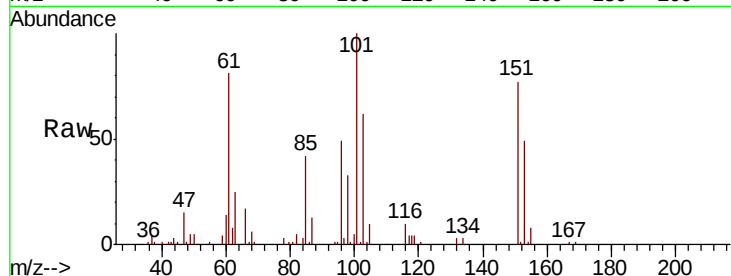
Tot Ion:101 Resp: 83141

Ion Ratio Lower Upper

101 100

85 43.3 35.5 53.3

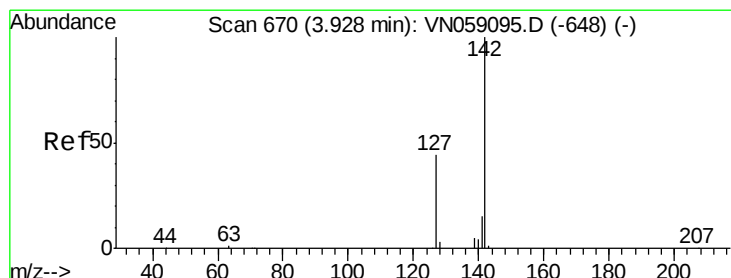
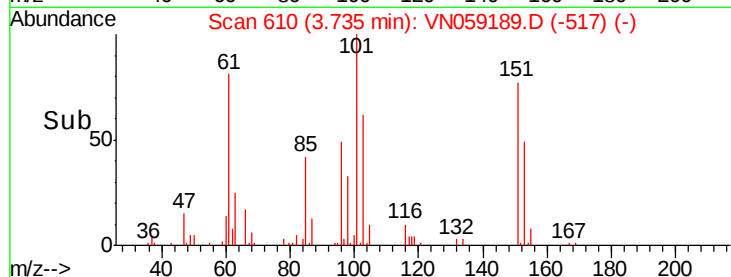
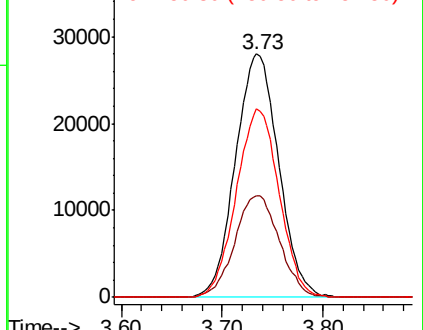
151 76.8 62.2 93.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 19.807 ug/l

RT: 3.93 min Scan# 670

Delta R.T. -0.00 min

Lab File: VN059189.D

Acq: 12 Nov 2019 14:45

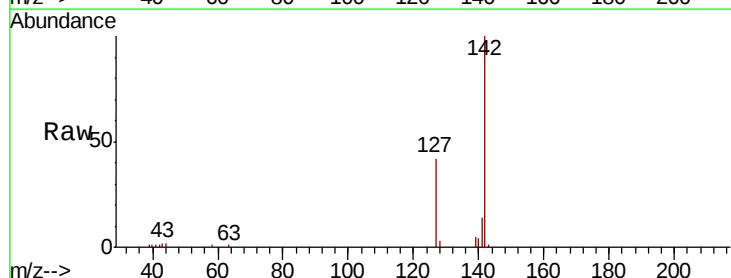
Tgt Ion:142 Resp: 99150

Ion Ratio Lower Upper

142 100

127 41.8 34.2 51.2

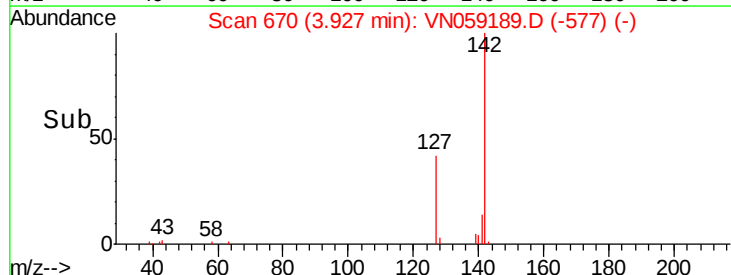
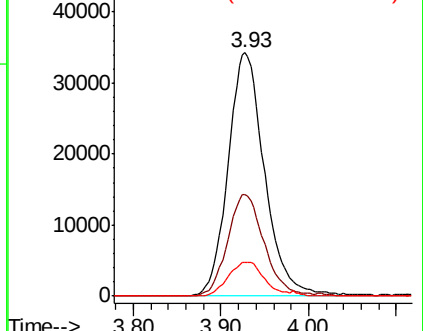
141 13.7 11.4 17.0

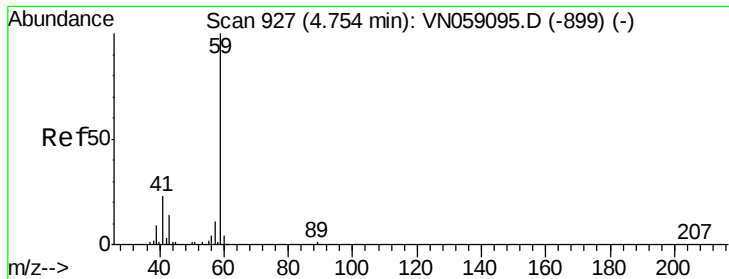


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



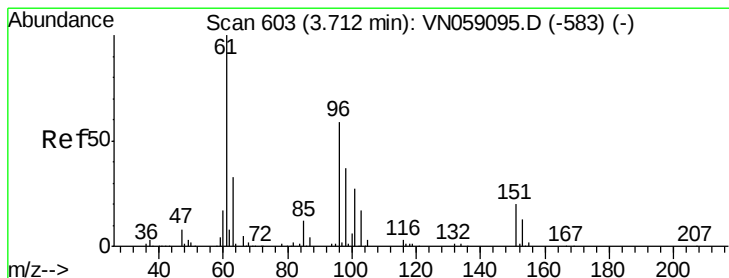
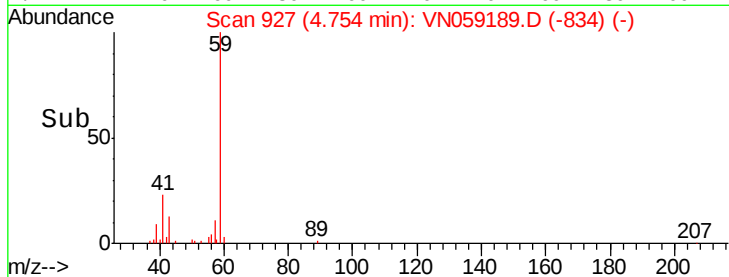
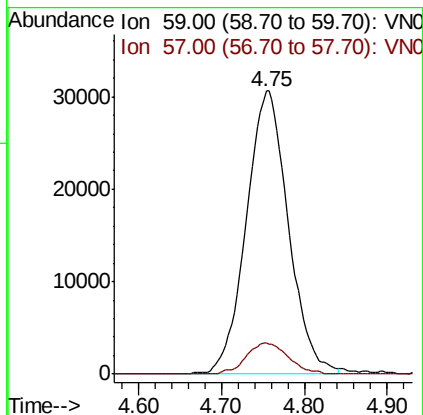
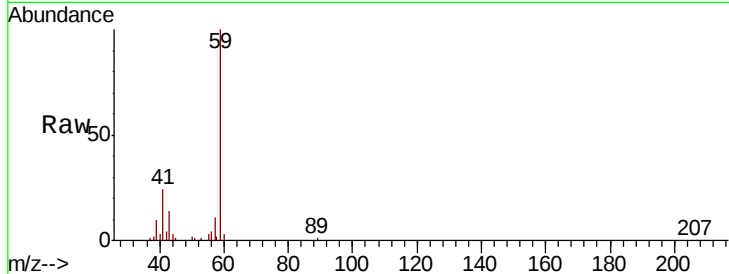


#11

Tert butyl alcohol
 Concen: 109.359 ug/l
 RT: 4.75 min Scan# 927
 Delta R.T. -0.00 min
 Lab File: VN059189.D
 Acq: 12 Nov 2019 14:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1112MBSD01

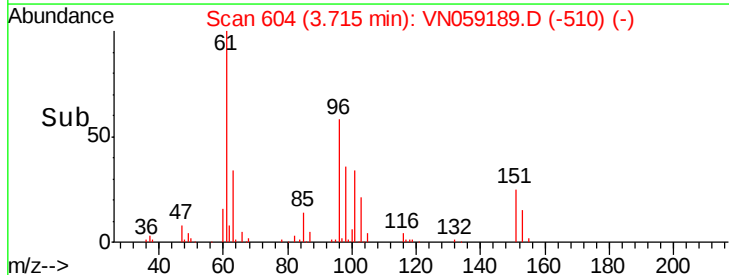
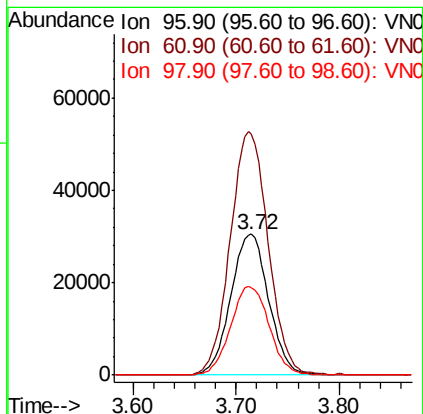
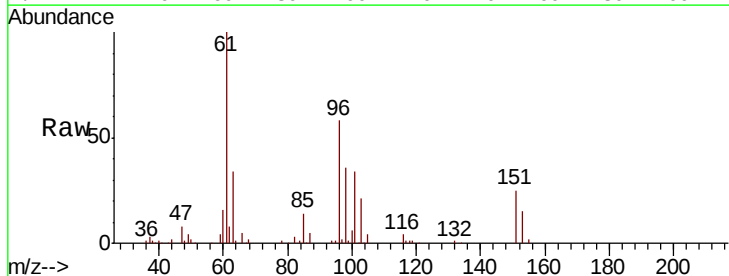
Tot Ion: 59 Resp: 108192
 Ion Ratio Lower Upper
 59 100
 57 11.1 8.3 12.5

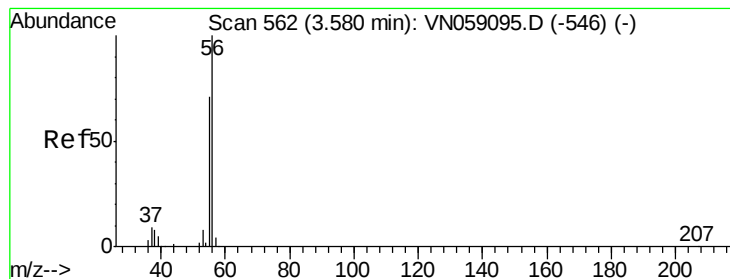


#12

1,1-Dichloroethene
 Concen: 19.833 ug/l
 RT: 3.72 min Scan# 604
 Delta R.T. 0.00 min
 Lab File: VN059189.D
 Acq: 12 Nov 2019 14:45

Tgt Ion: 96 Resp: 78131
 Ion Ratio Lower Upper
 96 100
 61 171.1 136.5 204.7
 98 62.0 50.2 75.4





#13

Acrolein

Concen: 75.455 ug/l

RT: 3.58 min Scan# 563

Delta R.T. 0.00 min

Lab File: VN059189.D

Acq: 12 Nov 2019 14:45

Instrument :

MSVOA_N

ClientSampleId :

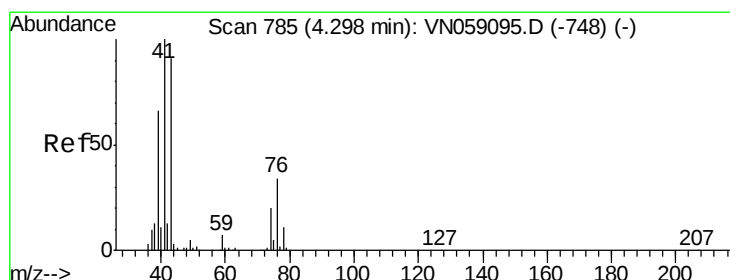
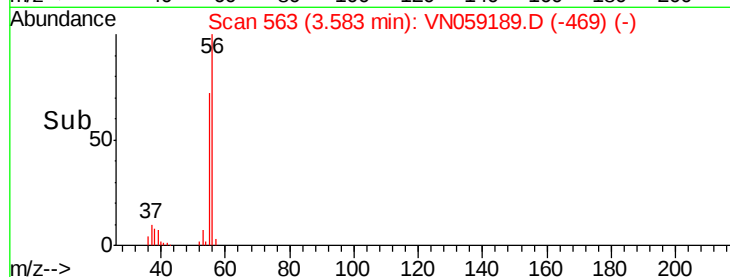
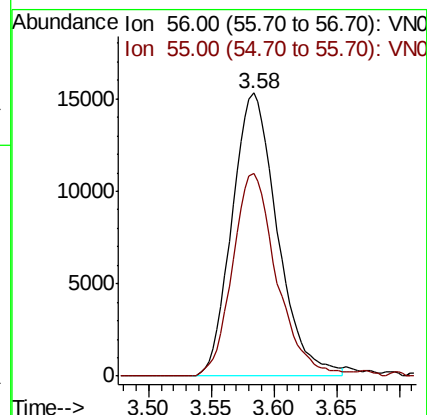
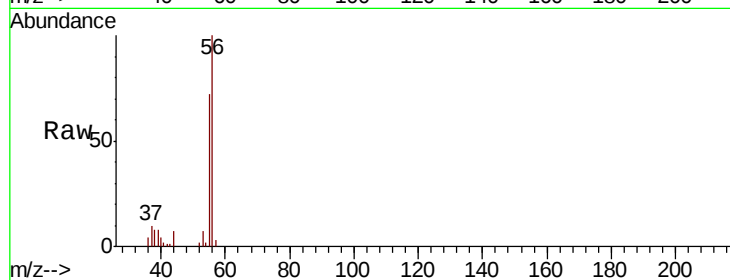
VN1112MBSD01

Tot Ion: 56 Resp: 38488

Ion Ratio Lower Upper

56 100

55 69.9 56.4 84.6



#14

Allyl chloride

Concen: 19.730 ug/l

RT: 4.30 min Scan# 785

Delta R.T. -0.00 min

Lab File: VN059189.D

Acq: 12 Nov 2019 14:45

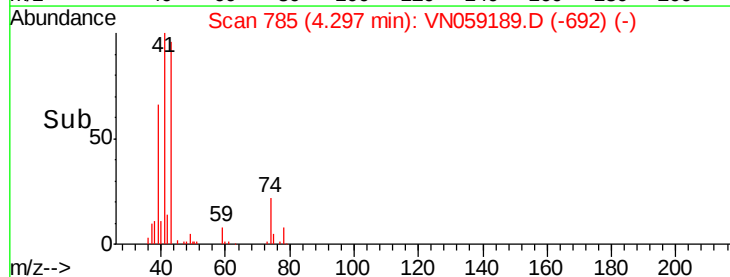
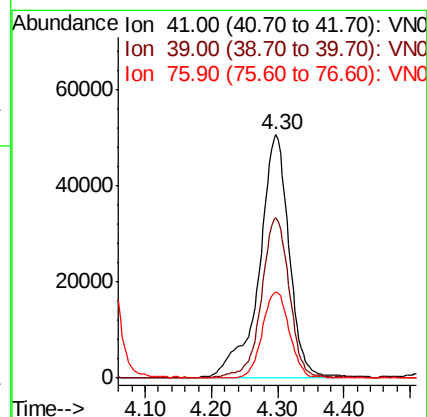
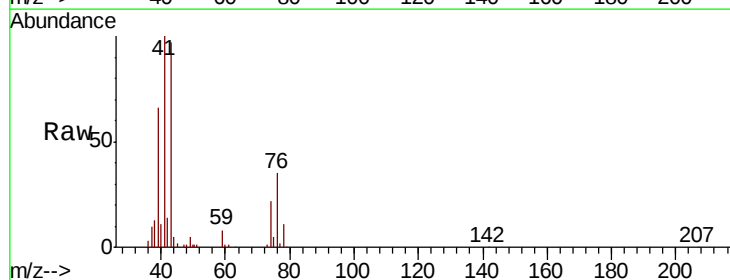
Tgt Ion: 41 Resp: 159658

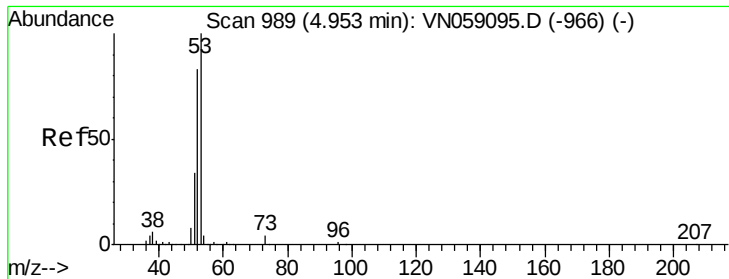
Ion Ratio Lower Upper

41 100

39 61.2 49.1 73.7

76 31.9 24.9 37.3





#15

Acrylonitrile

Concen: 100.061 ug/l

RT: 4.96 min Scan# 990

Delta R.T. 0.00 min

Lab File: VN059189.D

Acq: 12 Nov 2019 14:45

Instrument :

MSVOA_N

ClientSampleId :

VN1112MBSD01

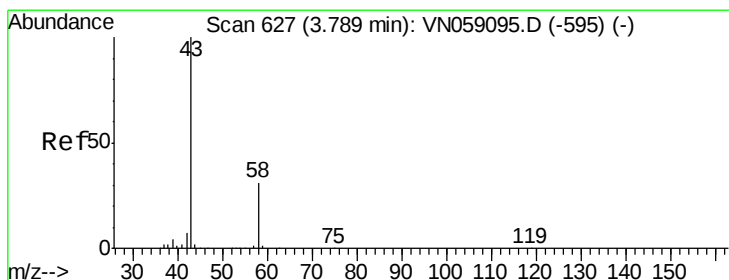
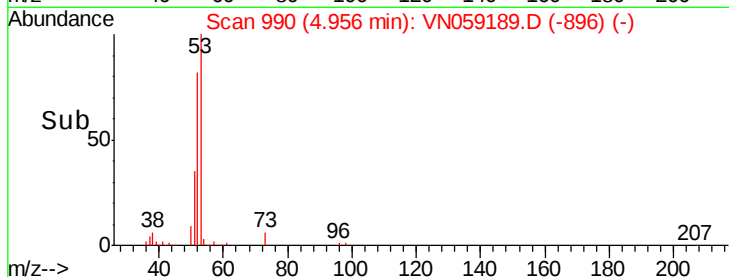
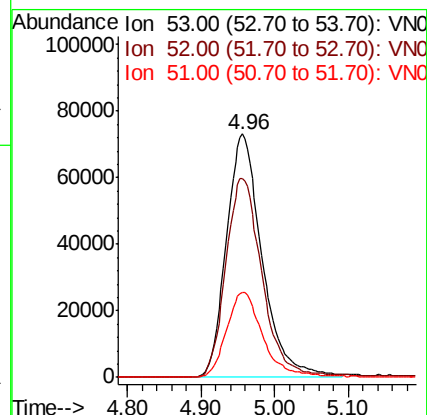
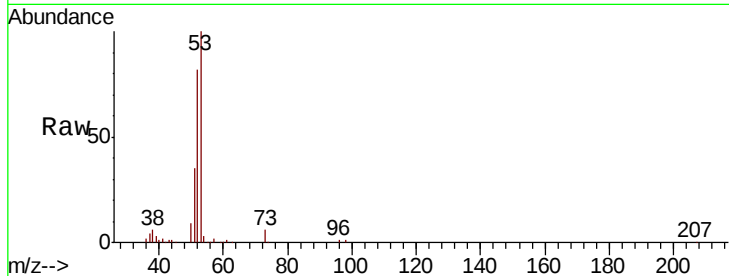
Tot Ion: 53 Resp: 246361

Ion Ratio Lower Upper

53 100

52 82.9 65.0 97.6

51 35.6 28.0 42.0



#16

Acetone

Concen: 90.148 ug/l

RT: 3.79 min Scan# 628

Delta R.T. 0.00 min

Lab File: VN059189.D

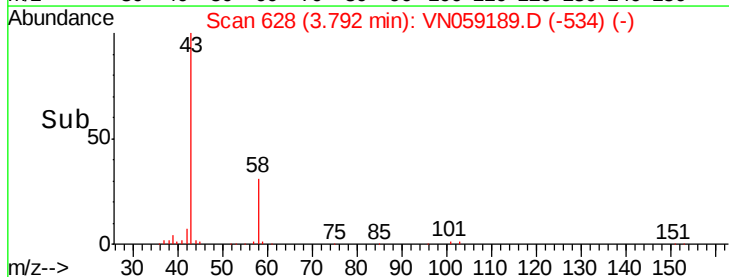
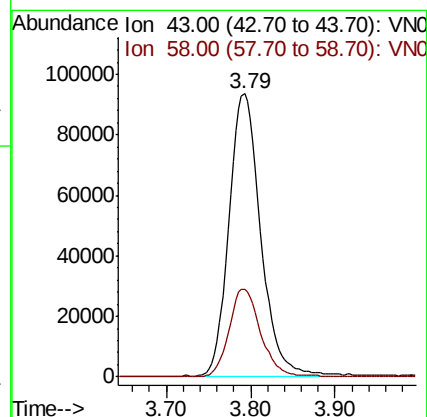
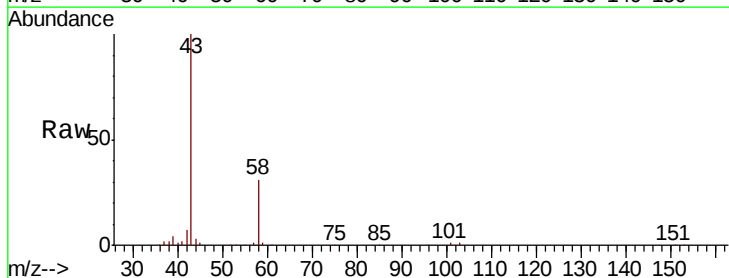
Acq: 12 Nov 2019 14:45

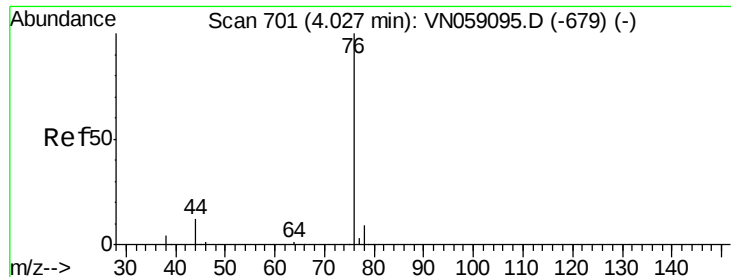
Tgt Ion: 43 Resp: 243357

Ion Ratio Lower Upper

43 100

58 31.1 24.9 37.3

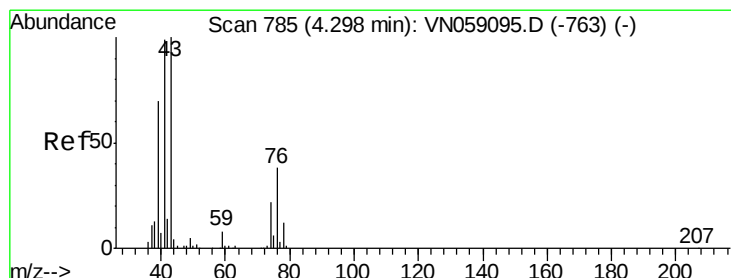
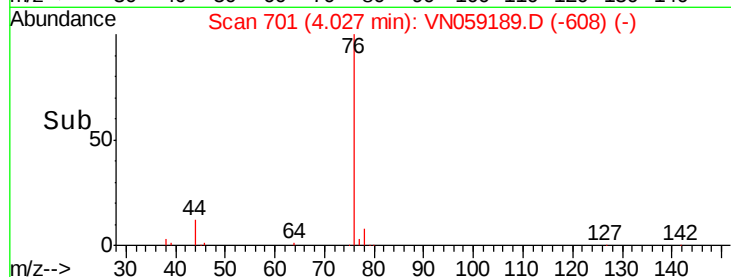
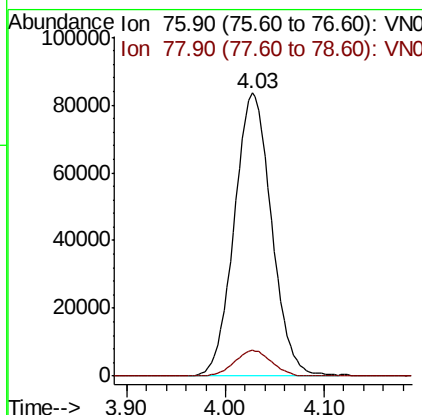
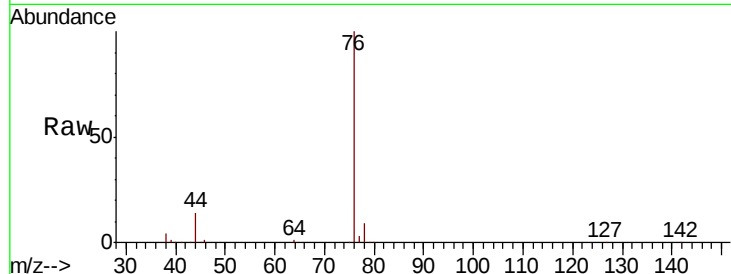




#17
Carbon Disulfide
Concen: 17.890 ug/l
RT: 4.03 min Scan# 701
Delta R.T. -0.00 min
Lab File: VN059189.D
Acq: 12 Nov 2019 14:45

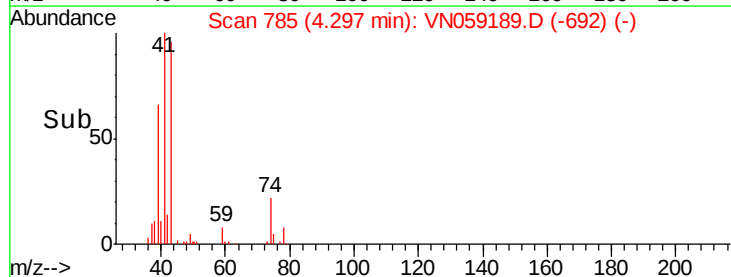
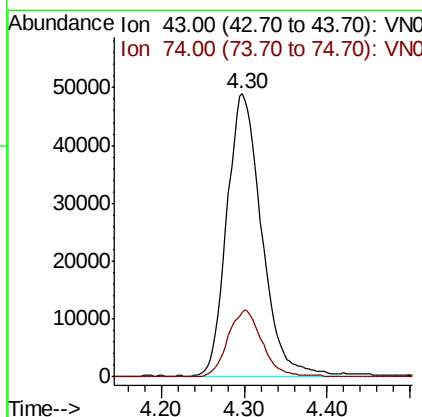
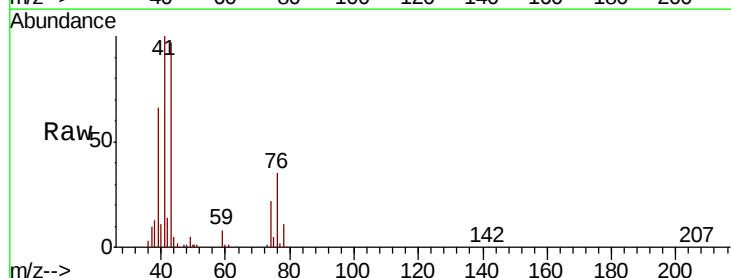
Instrument :
MSVOA_N
ClientSampleId :
VN1112MBSD01

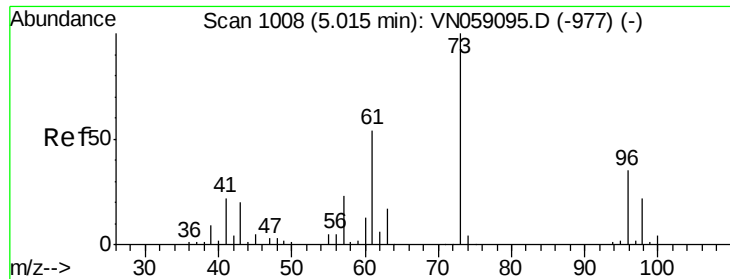
Tot Ion: 76 Resp: 218772
Ion Ratio Lower Upper
76 100
78 9.1 7.4 11.0



#18
Methyl Acetate
Concen: 22.102 ug/l
RT: 4.30 min Scan# 785
Delta R.T. -0.00 min
Lab File: VN059189.D
Acq: 12 Nov 2019 14:45

Tgt Ion: 43 Resp: 141622
Ion Ratio Lower Upper
43 100
74 23.5 17.8 26.8

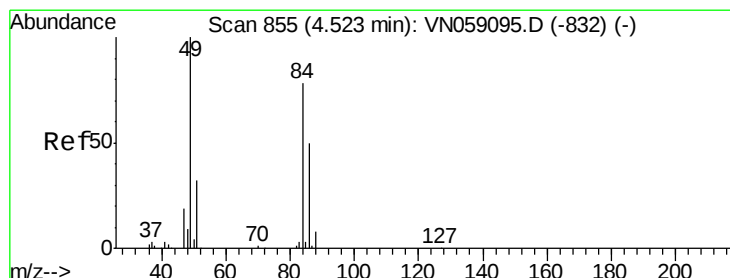
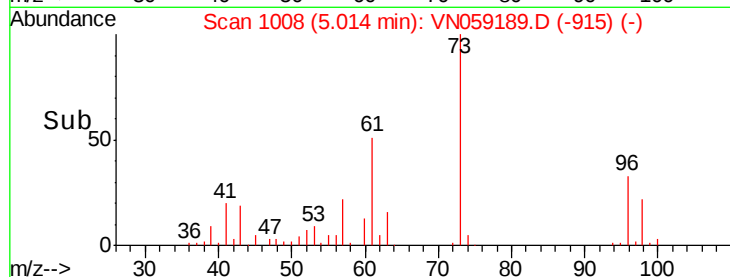
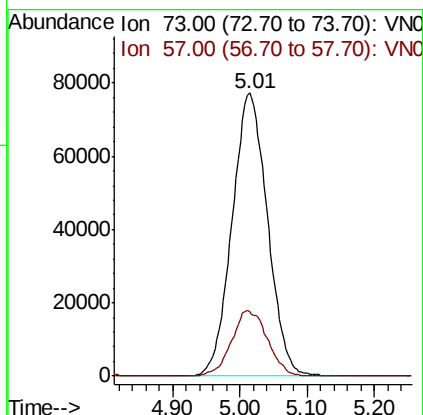
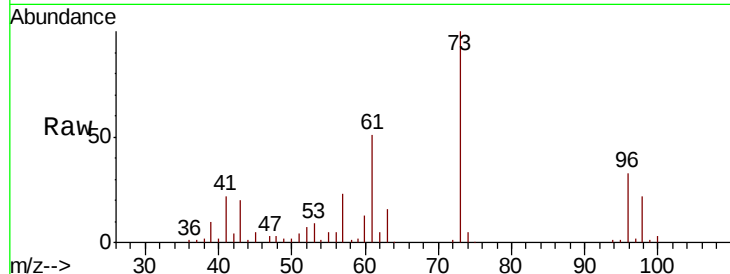




#19
Methyl tert-butyl Ether
Concen: 20.808 ug/l
RT: 5.01 min Scan# 1008
Delta R.T. -0.00 min
Lab File: VN059189.D
Acq: 12 Nov 2019 14:45

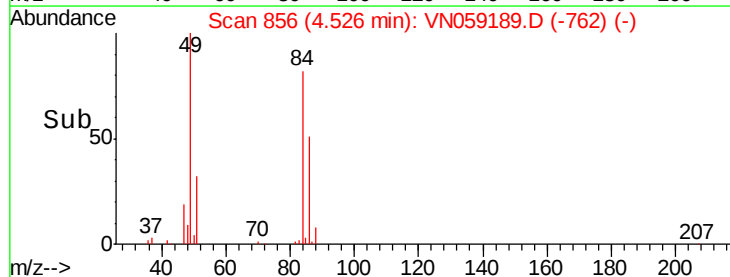
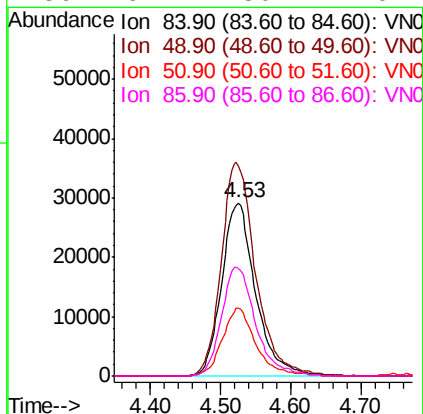
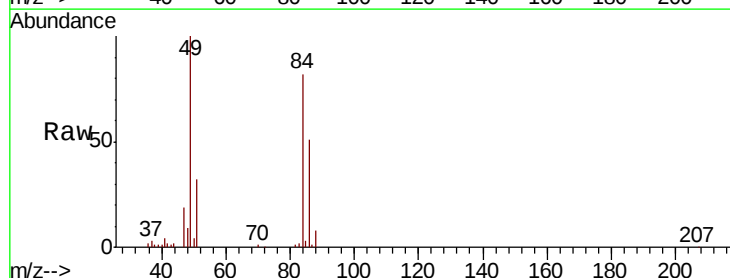
Instrument :
MSVOA_N
ClientSampleId :
VN1112MBSD01

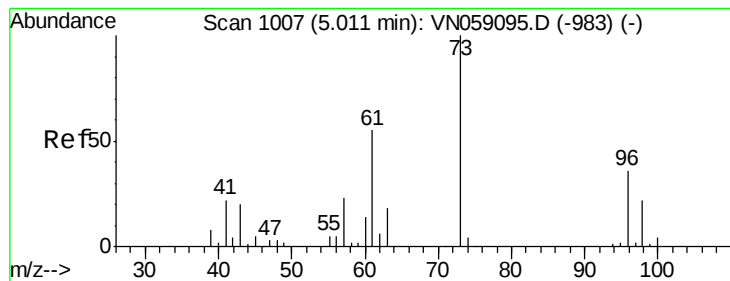
Tot Ion: 73 Resp: 282212
Ion Ratio Lower Upper
73 100
57 22.7 18.4 27.6



#20
Methylene Chloride
Concen: 20.819 ug/l
RT: 4.53 min Scan# 856
Delta R.T. 0.00 min
Lab File: VN059189.D
Acq: 12 Nov 2019 14:45

Tgt Ion: 84 Resp: 97912
Ion Ratio Lower Upper
84 100
49 121.7 102.0 153.0
51 39.4 32.2 48.2
86 62.4 50.7 76.1





#21

trans-1,2-Dichloroethene

Concen: 19.835 ug/l

RT: 5.01 min Scan# 1007

Delta R.T. -0.00 min

Lab File: VN059189.D

Acq: 12 Nov 2019 14:45

Instrument :

MSVOA_N

ClientSampleId :

VN1112MBSD01

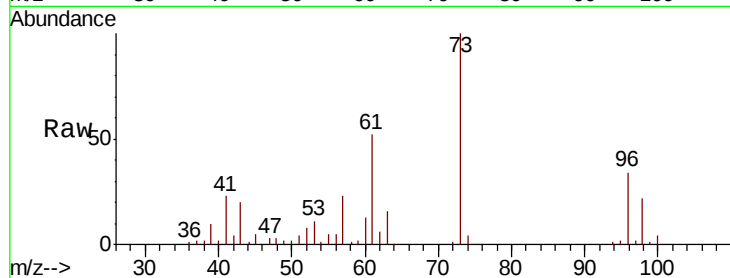
Tot Ion: 96 Resp: 83872

Ion Ratio Lower Upper

96 100

61 151.2 122.6 183.8

98 64.9 50.3 75.5

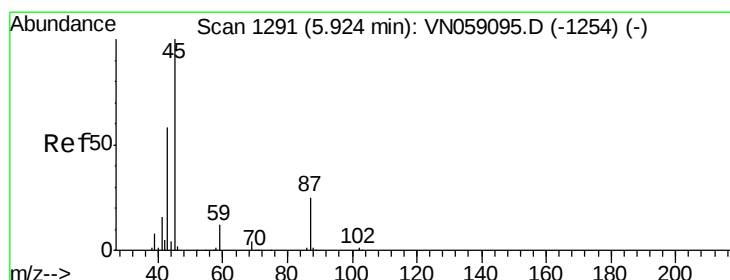
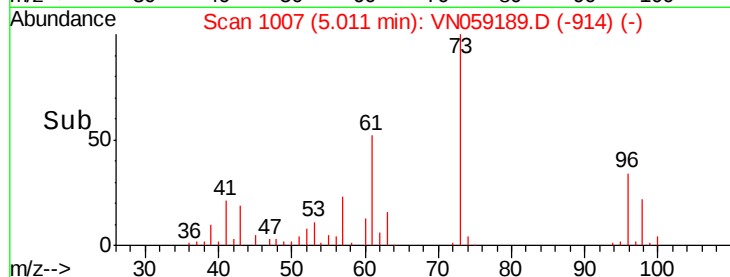
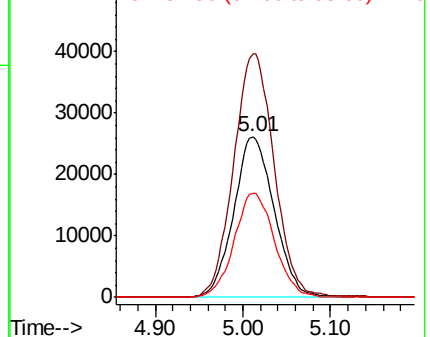


Abundance

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: 20.860 ug/l

RT: 5.92 min Scan# 1291

Delta R.T. -0.00 min

Lab File: VN059189.D

Acq: 12 Nov 2019 14:45

Tgt Ion: 45 Resp: 318837

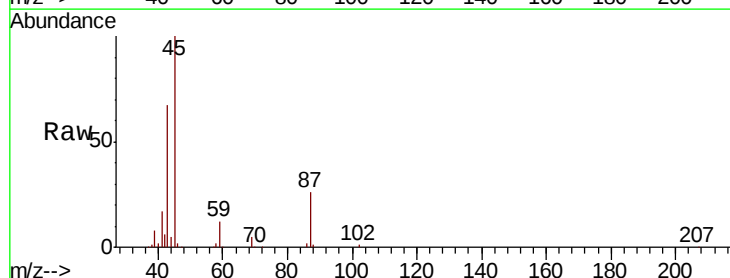
Ion Ratio Lower Upper

45 100

43 65.2 46.7 70.1

87 25.9 20.5 30.7

59 11.2 9.6 14.4



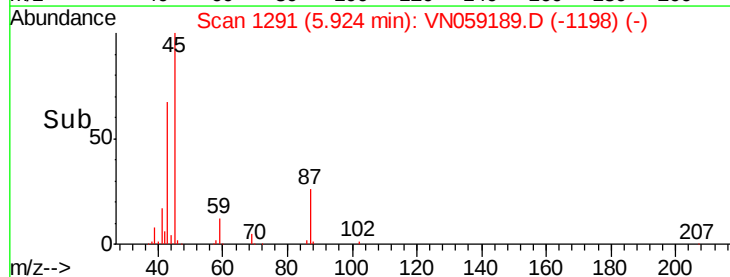
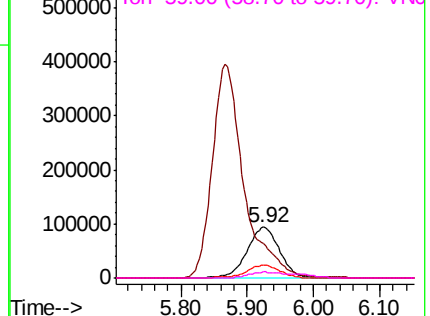
Abundance

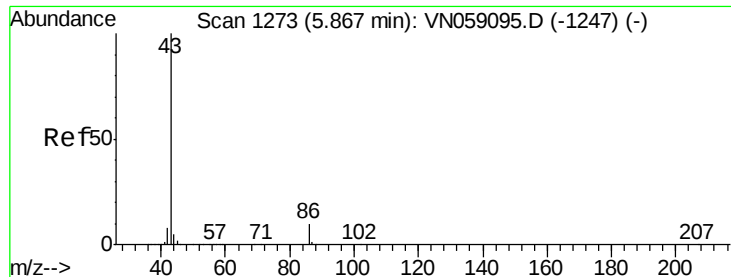
Ion 45.00 (44.70 to 45.70): VN0

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: 110.622 ug/l

RT: 5.87 min Scan# 1273

Delta R.T. -0.00 min

Lab File: VN059189.D

Acq: 12 Nov 2019 14:45

Instrument :

MSVOA_N

ClientSampleId :

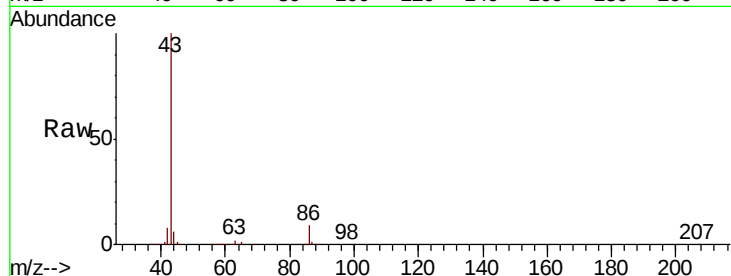
VN1112MBSD01

Tot Ion: 43 Resp: 1310431

Ion Ratio Lower Upper

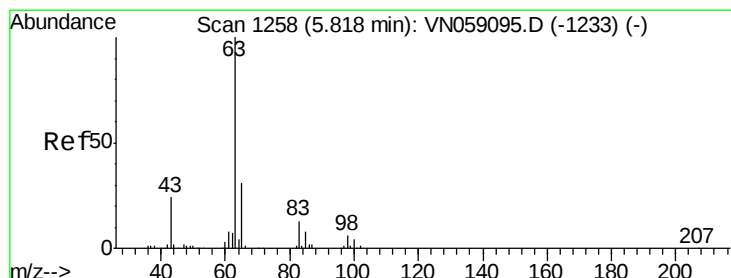
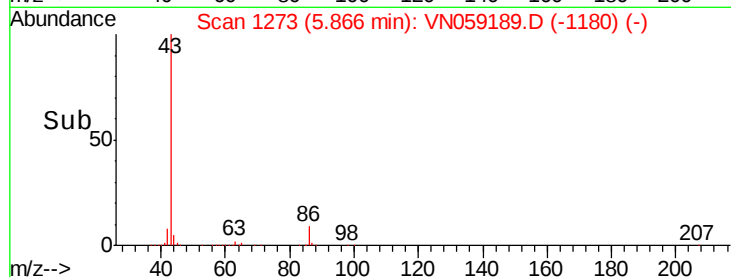
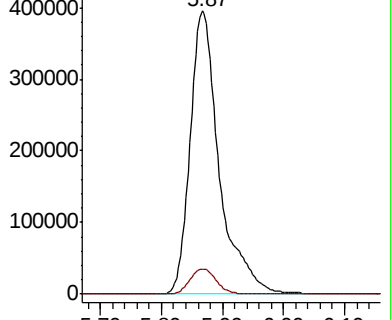
43 100

86 8.9 7.7 11.5



Abundance Ion 43.00 (42.70 to 43.70): VN059189.D (-1180) (-)

Ion 86.00 (85.70 to 86.70): VN059189.D (-1180) (-)



#24

1,1-Dichloroethane

Concen: 20.622 ug/l

RT: 5.82 min Scan# 1259

Delta R.T. 0.00 min

Lab File: VN059189.D

Acq: 12 Nov 2019 14:45

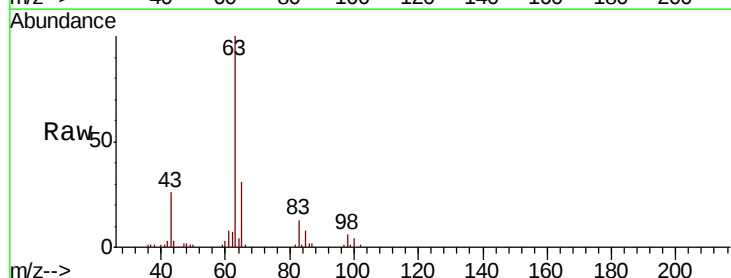
Tgt Ion: 63 Resp: 176047

Ion Ratio Lower Upper

63 100

98 5.8 2.8 8.4

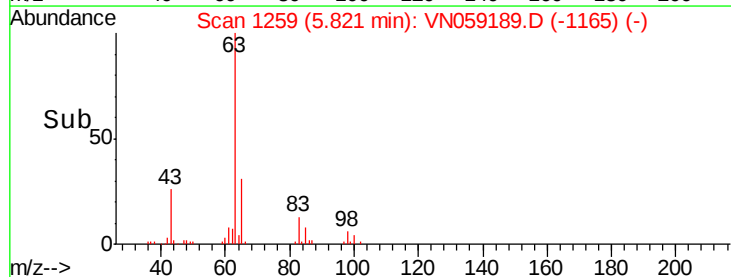
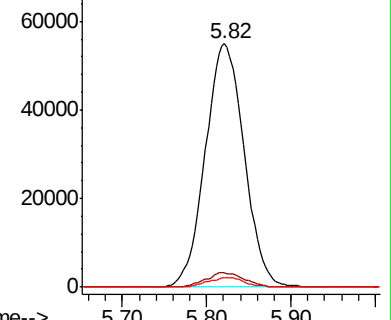
100 4.0 1.9 5.7



Abundance Ion 62.90 (62.60 to 63.60): VN059189.D (-1165) (-)

Ion 97.90 (97.60 to 98.60): VN059189.D (-1165) (-)

Ion 99.90 (99.60 to 100.60): VN059189.D (-1165) (-)





#25

2-Butanone

Concen: 103.025 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. -0.00 min

Lab File: VN059189.D

Acq: 12 Nov 2019 14:45

Instrument :

MSVOA_N

ClientSampleId :

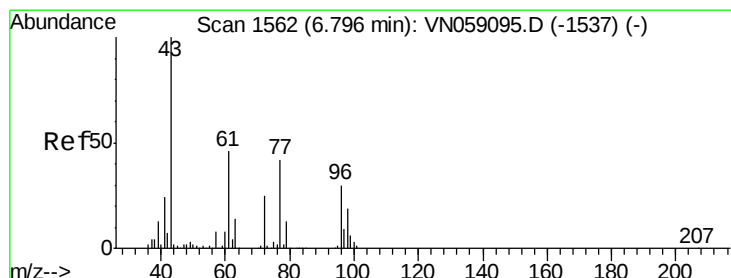
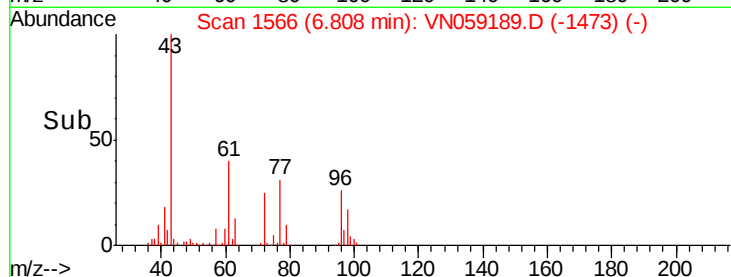
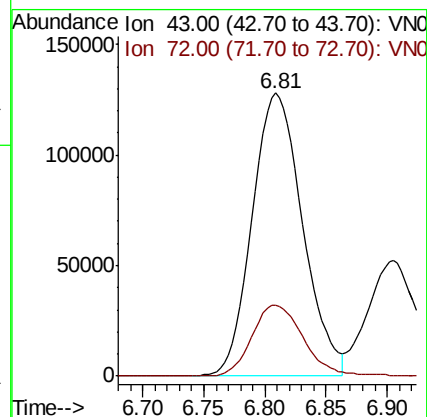
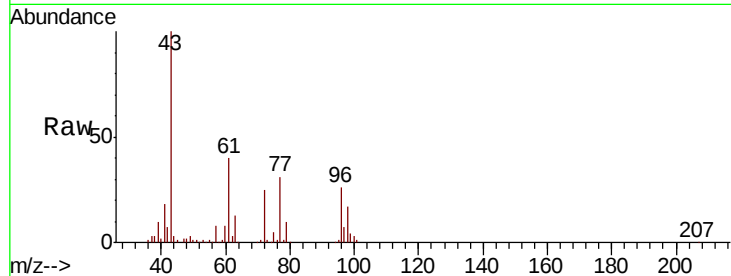
VN1112MBSD01

Tot Ion: 43 Resp: 366544

Ion Ratio Lower Upper

43 100

72 25.2 20.3 30.5



#26

2,2-Dichloropropane

Concen: 19.273 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.00 min

Lab File: VN059189.D

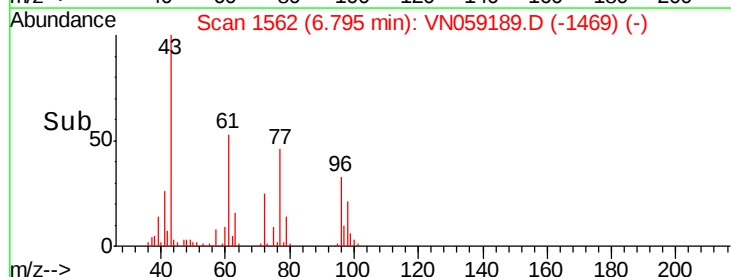
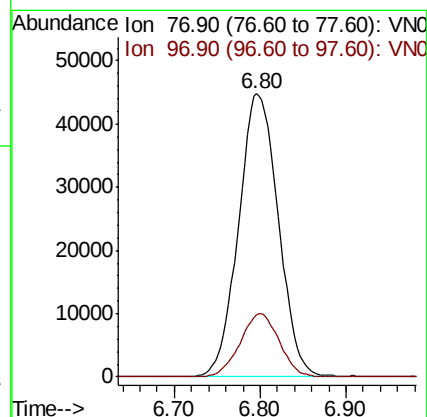
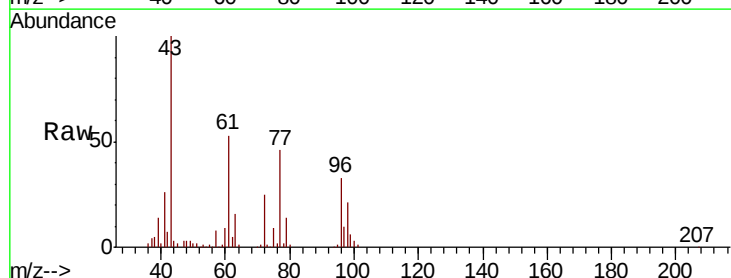
Acq: 12 Nov 2019 14:45

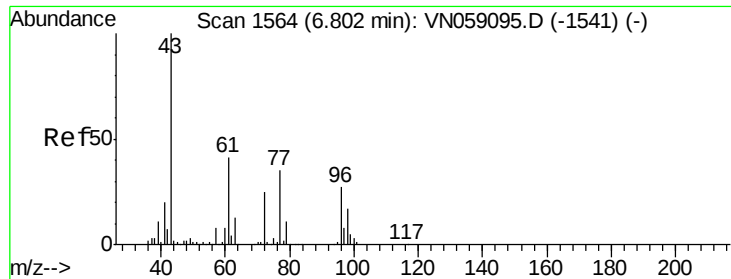
Tgt Ion: 77 Resp: 143868

Ion Ratio Lower Upper

77 100

97 21.9 11.2 33.6





#27

cis-1,2-Dichloroethene

Concen: 20.402 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. -0.00 min

Lab File: VN059189.D

Acq: 12 Nov 2019 14:45

Instrument :

MSVOA_N

ClientSampled :

VN1112MBSD01

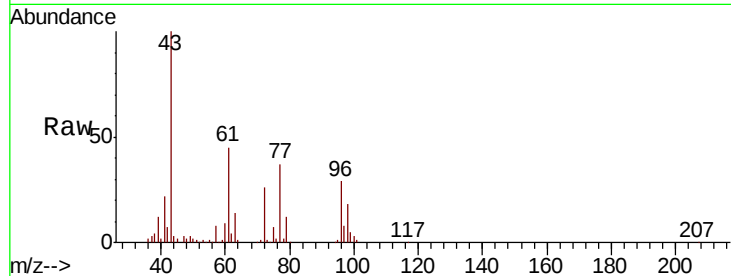
Tot Ion: 96 Resp: 100091

Ion Ratio Lower Upper

96 100

61 155.3 0.0 311.6

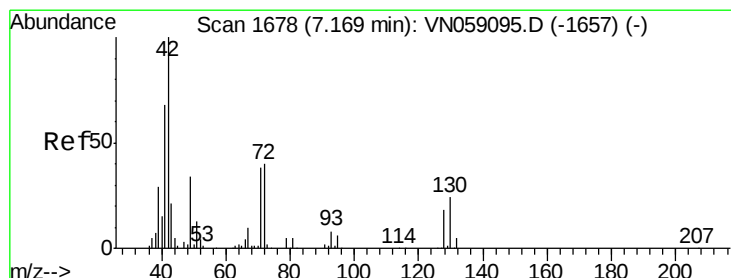
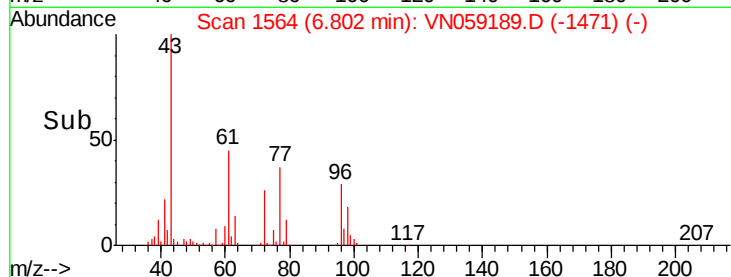
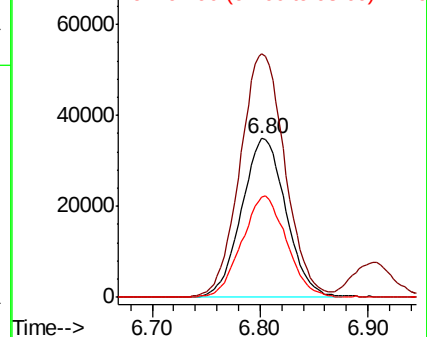
98 64.1 0.0 129.8



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



#28

Bromochloromethane

Concen: 20.901 ug/l

RT: 7.17 min Scan# 1678

Delta R.T. -0.00 min

Lab File: VN059189.D

Acq: 12 Nov 2019 14:45

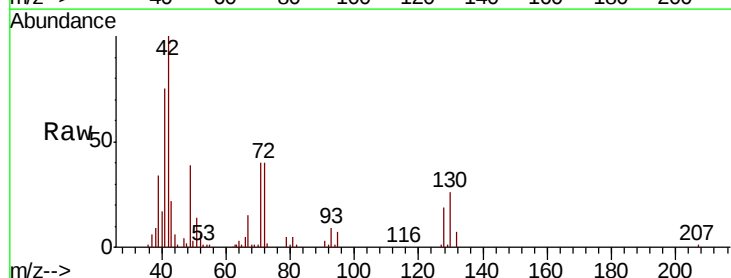
Tgt Ion: 49 Resp: 53681

Ion Ratio Lower Upper

49 100

129 1.3 0.0 3.8

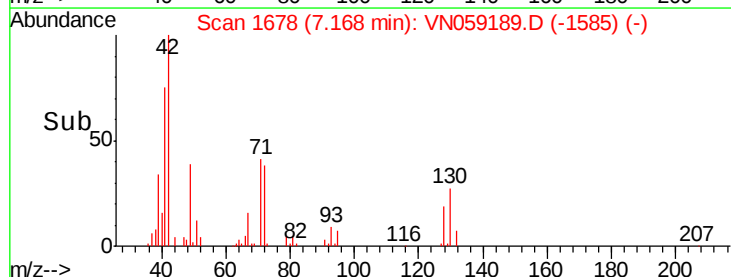
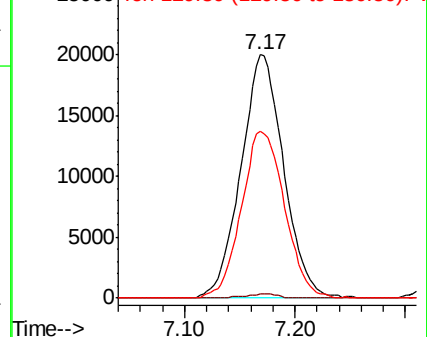
130 69.4 55.6 83.4

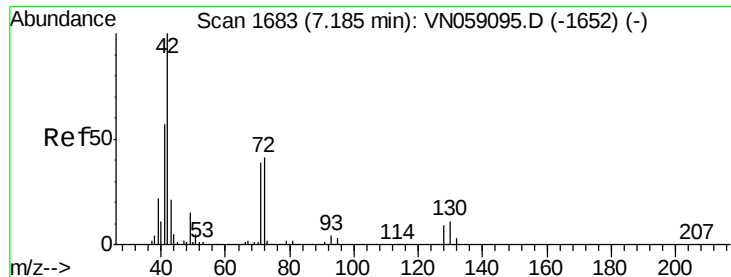


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 109.439 ug/l

RT: 7.19 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VN059189.D

Acq: 12 Nov 2019 14:45

Instrument :

MSVOA_N

ClientSampleId :

VN1112MBSD01

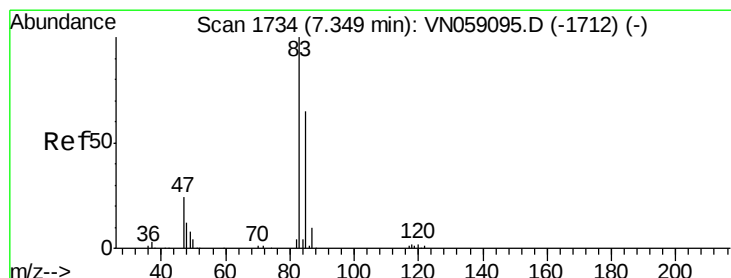
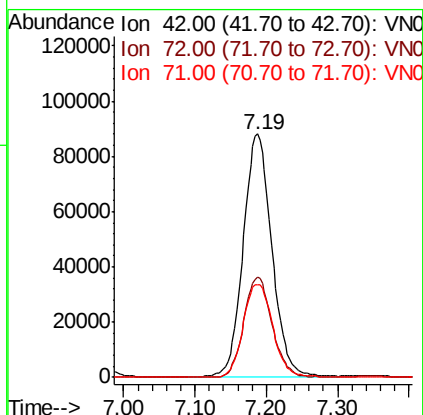
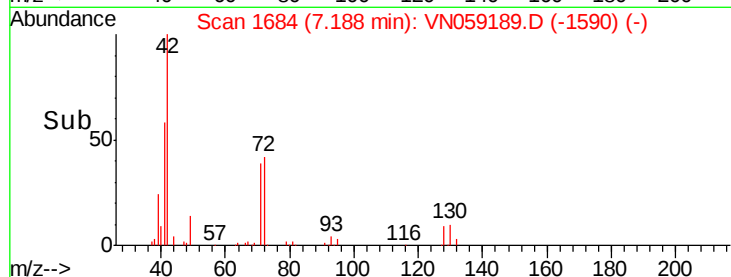
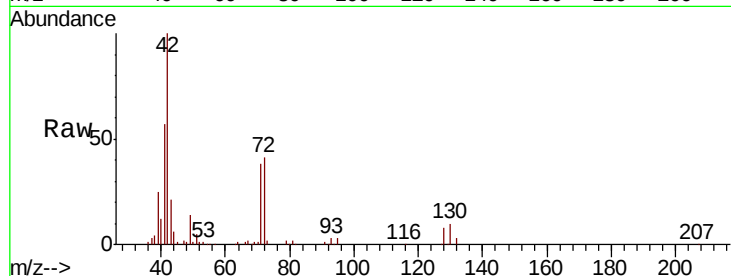
Tot Ion: 42 Resp: 247401

Ion Ratio Lower Upper

42 100

72 40.4 33.1 49.7

71 39.5 30.9 46.3



#30

Chloroform

Concen: 21.037 ug/l

RT: 7.35 min Scan# 1734

Delta R.T. -0.00 min

Lab File: VN059189.D

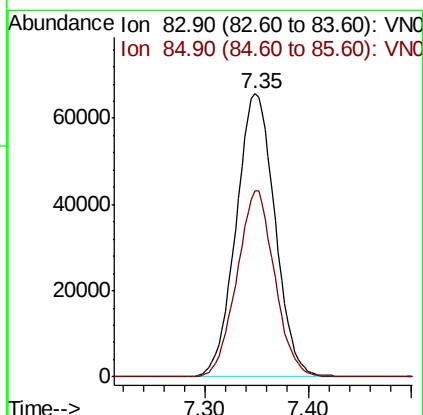
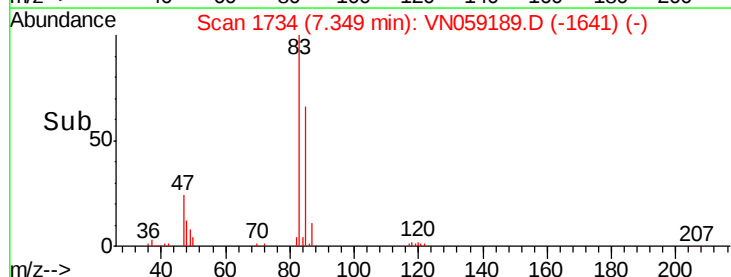
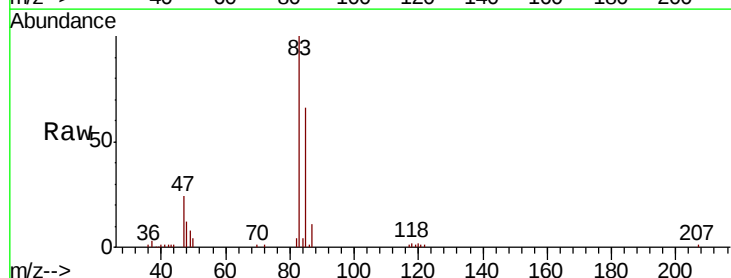
Acq: 12 Nov 2019 14:45

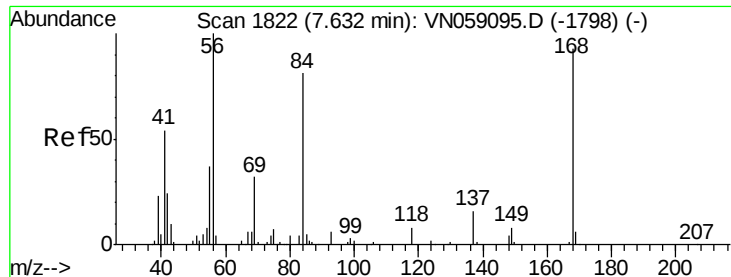
Tgt Ion: 83 Resp: 172282

Ion Ratio Lower Upper

83 100

85 65.6 51.8 77.8

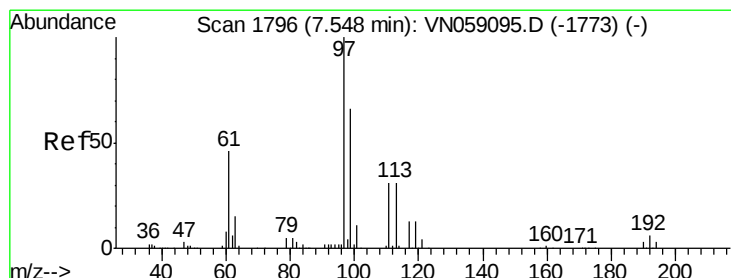
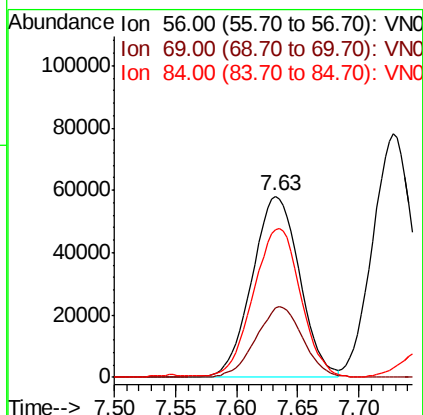
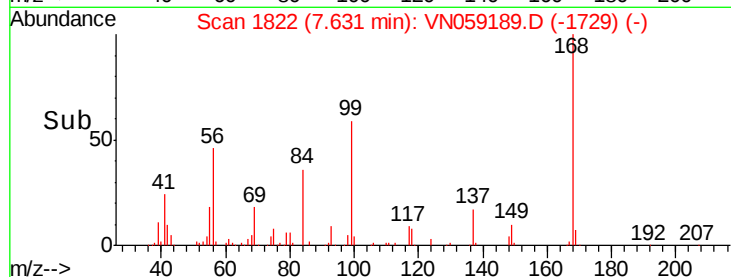
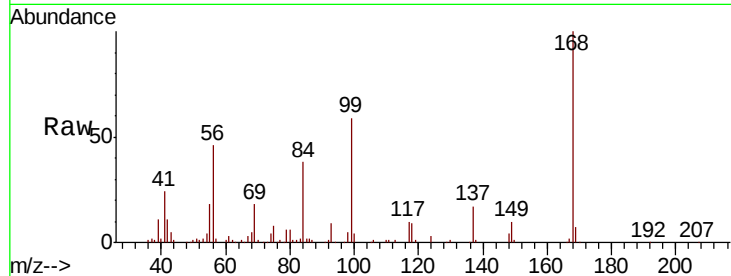




#31
Cyclohexane
Concen: 19.488 ug/l
RT: 7.63 min Scan# 1822
Delta R.T. -0.00 min
Lab File: VN059189.D
Acq: 12 Nov 2019 14:45

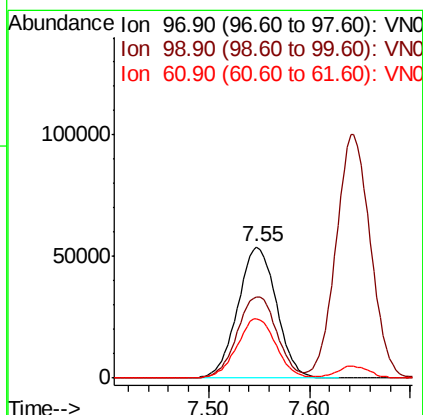
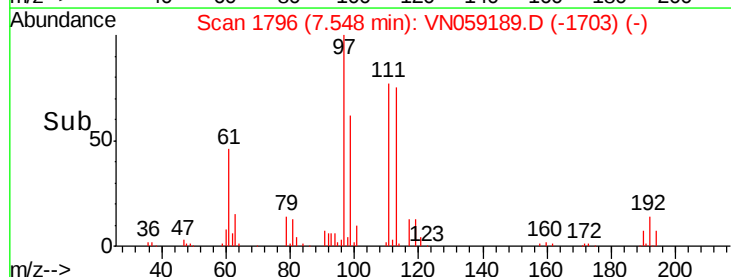
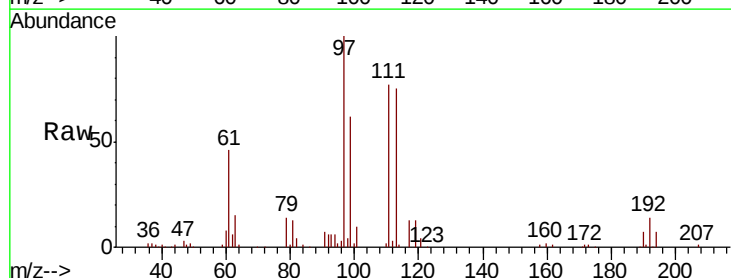
Instrument :
MSVOA_N
ClientSampleId :
VN1112MBSD01

Tot Ion: 56 Resp: 157501
Ion Ratio Lower Upper
56 100
69 38.6 25.8 38.8
84 80.6 65.0 97.4



#32
1,1,1-Trichloroethane
Concen: 20.856 ug/l
RT: 7.55 min Scan# 1796
Delta R.T. -0.00 min
Lab File: VN059189.D
Acq: 12 Nov 2019 14:45

Tgt Ion: 97 Resp: 143595
Ion Ratio Lower Upper
97 100
99 63.8 51.0 76.6
61 45.7 35.8 53.8

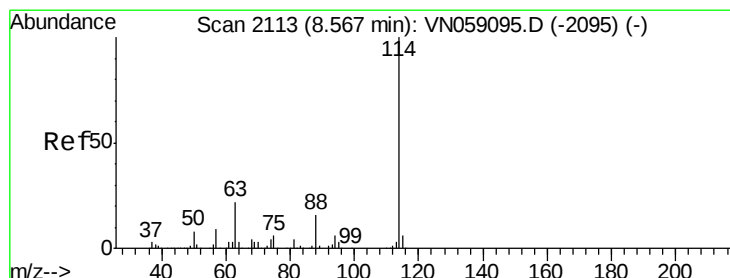
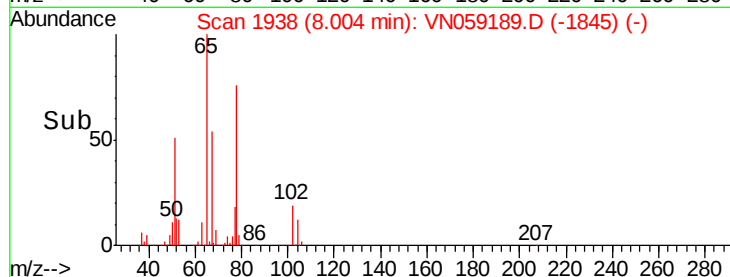
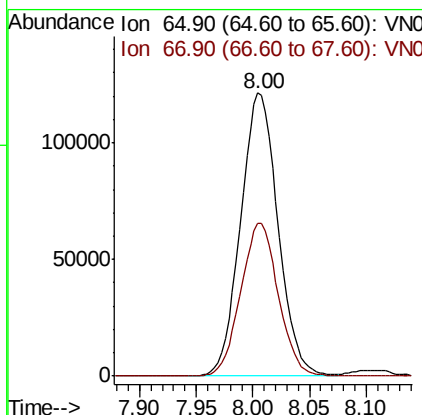
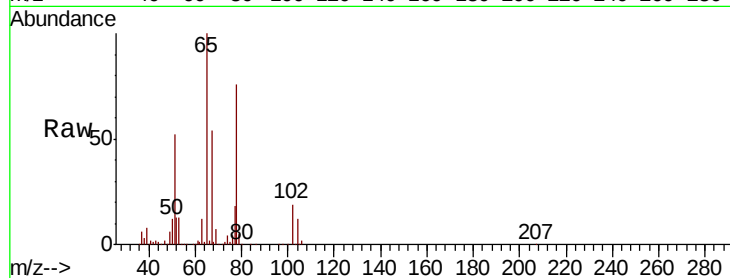




#33
 1,2-Dichloroethane-d4
 Concen: 53.827 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. -0.00 min
 Lab File: VN059189.D
 Acq: 12 Nov 2019 14:45

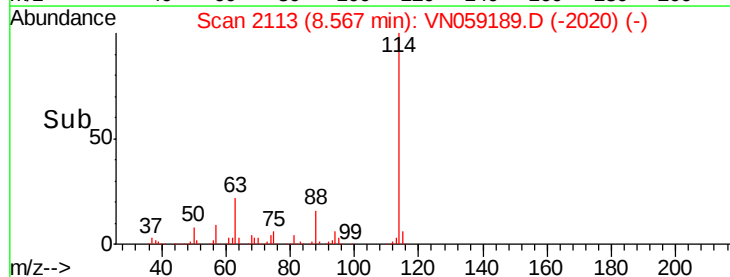
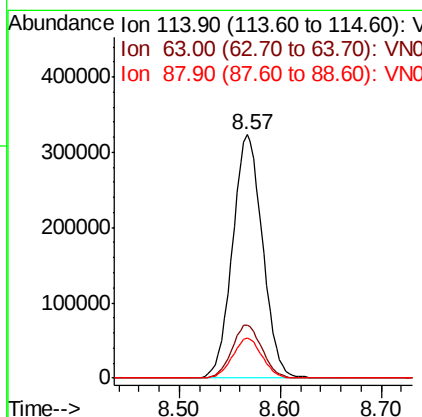
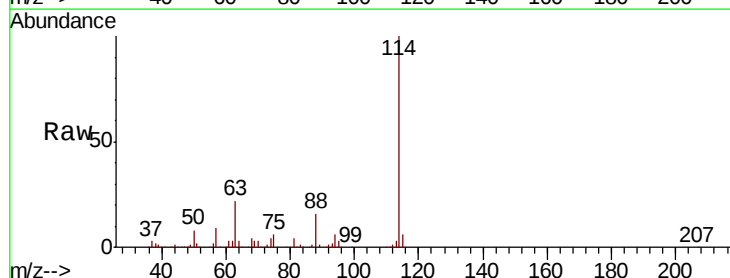
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1112MBSD01

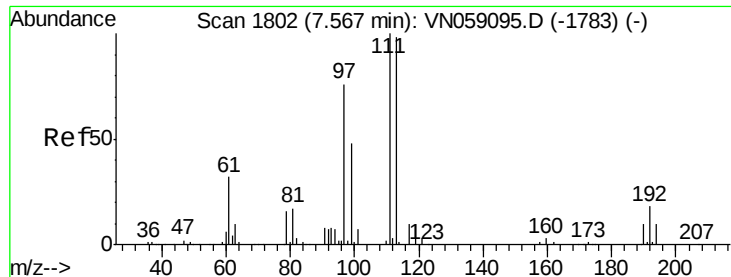
Tot Ion: 65 Resp: 279426
 Ion Ratio Lower Upper
 65 100
 67 54.3 0.0 107.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. -0.00 min
 Lab File: VN059189.D
 Acq: 12 Nov 2019 14:45

Tgt Ion: 114 Resp: 669053
 Ion Ratio Lower Upper
 114 100
 63 21.9 0.0 43.4
 88 16.4 0.0 32.2

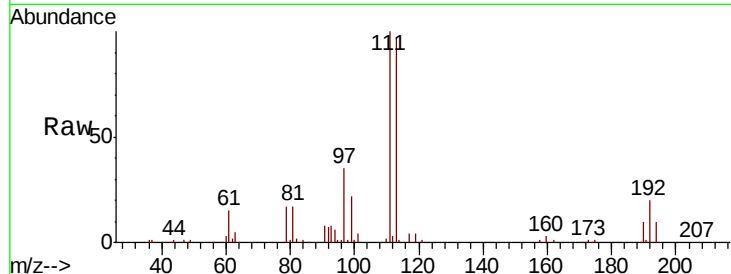




#35
Dibromofluoromethane
Concen: 53.868 ug/l
RT: 7.57 min Scan# 1802
Delta R.T. -0.00 min
Lab File: VN059189.D
Acq: 12 Nov 2019 14:45

Instrument :
MSVOA_N
ClientSampleId :
VN1112MBSD01

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.8	82.8	124.2
192	20.3	16.1	24.1

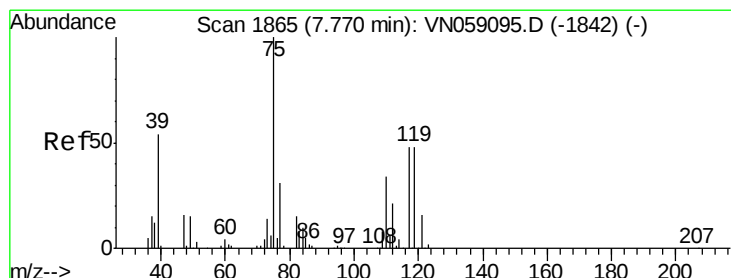
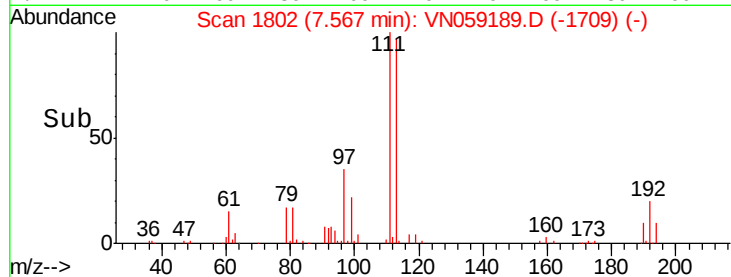
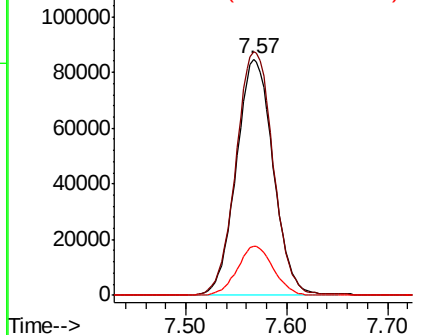


Abundance

Ion 112.80 (112.50 to 113.50): V

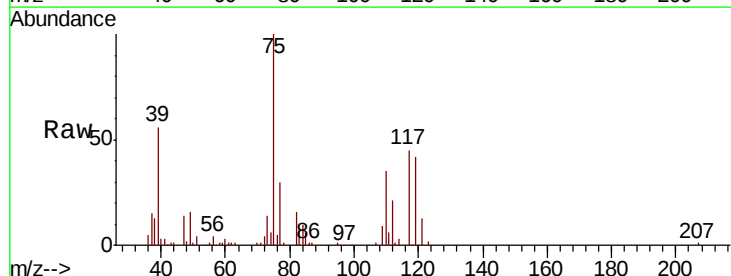
Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36
1,1-Dichloropropene
Concen: 19.938 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN059189.D
Acq: 12 Nov 2019 14:45

Tgt Ion	Ratio	Lower	Upper
75	100		
110	34.1	17.1	51.2
77	31.3	24.8	37.2

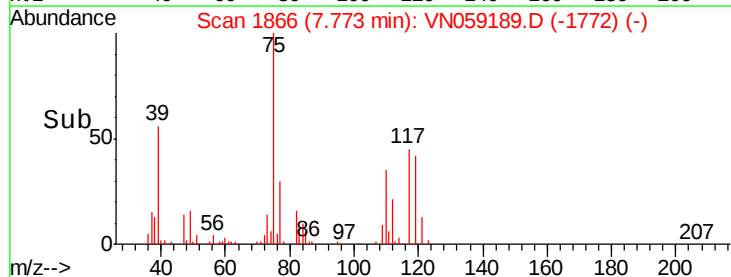
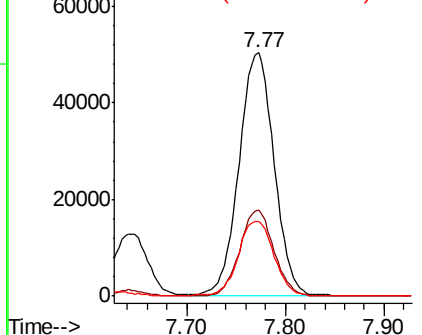


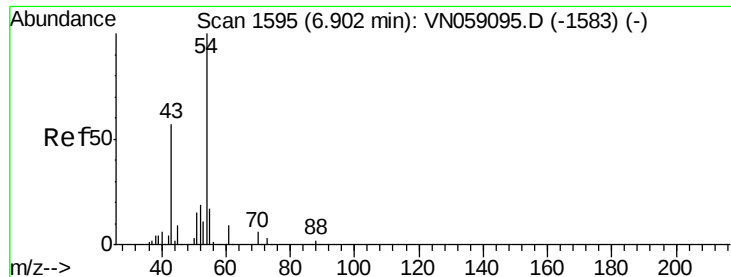
Abundance

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

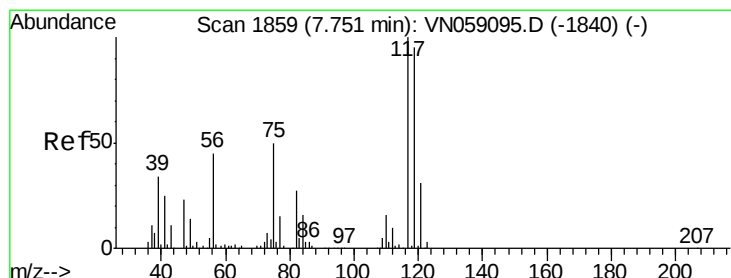
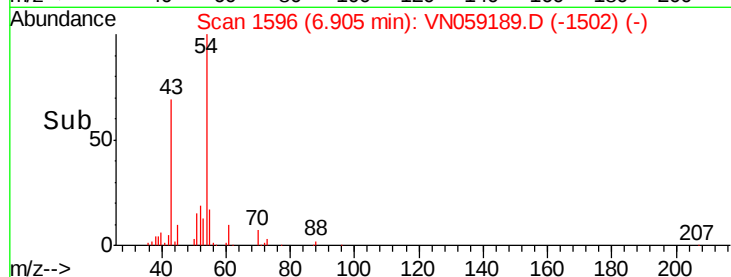
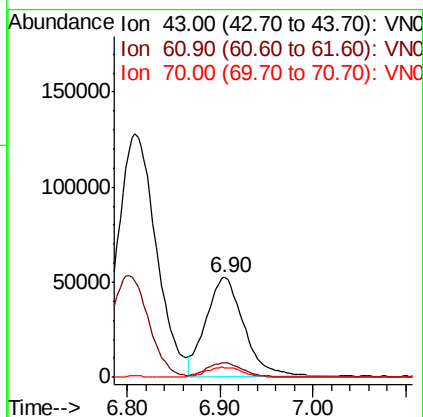
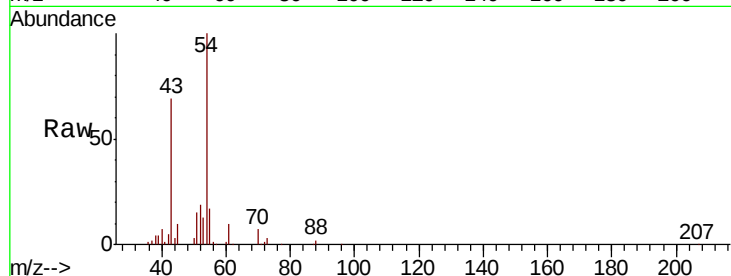




#37
Ethyl Acetate
Concen: 21.343 ug/l
RT: 6.90 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VN059189.D
Acq: 12 Nov 2019 14:45

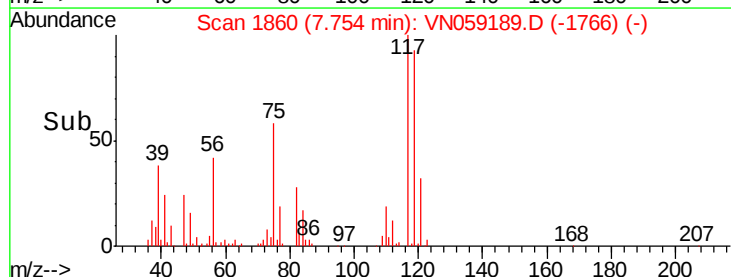
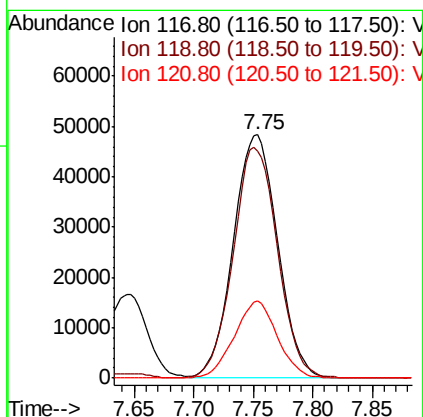
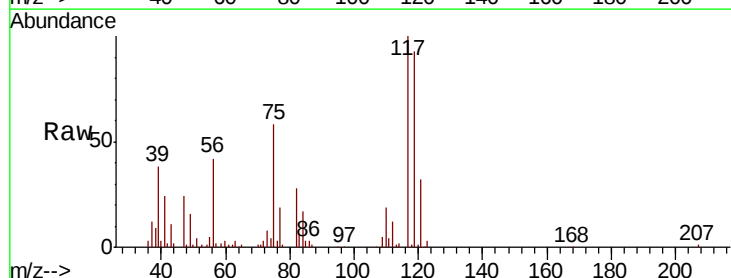
Instrument :
MSVOA_N
ClientSampled :
VN1112MBSD01

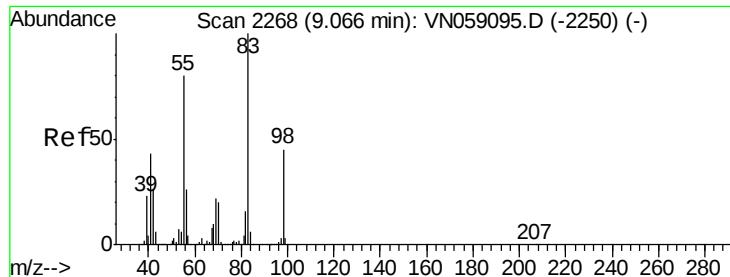
Tot Ion: 43 Resp: 148482
Ion Ratio Lower Upper
43 100
61 13.7 11.2 16.8
70 10.0 7.8 11.8



#38
Carbon Tetrachloride
Concen: 20.077 ug/l
RT: 7.75 min Scan# 1860
Delta R.T. 0.00 min
Lab File: VN059189.D
Acq: 12 Nov 2019 14:45

Tgt Ion: 117 Resp: 124967
Ion Ratio Lower Upper
117 100
119 92.9 75.6 113.4
121 31.6 24.6 36.8

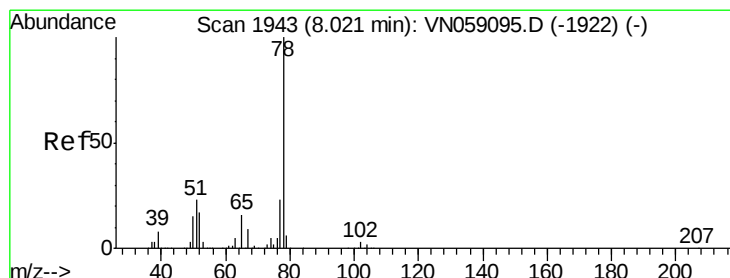
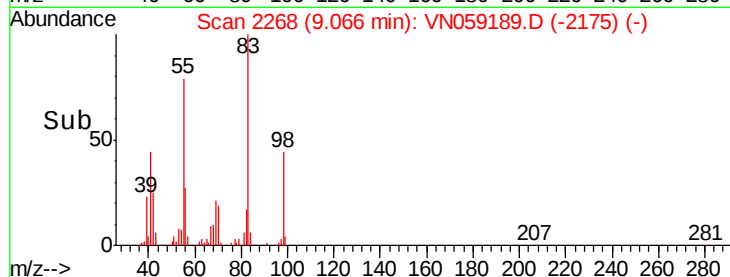
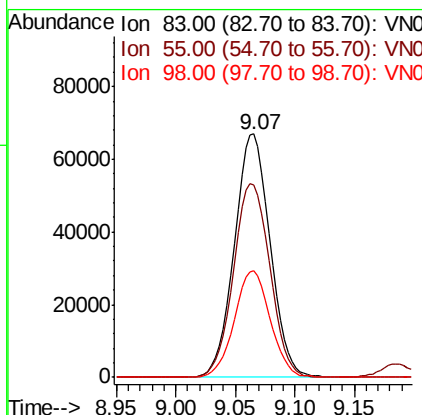
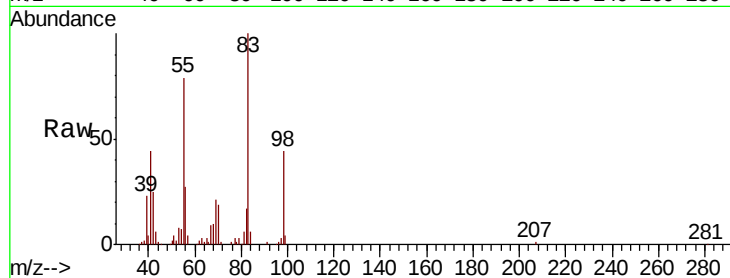




#39
Methvlcvclohexane
Concen: 19.233 ug/l
RT: 9.07 min Scan# 2268
Delta R.T. -0.00 min
Lab File: VN059189.D
Acq: 12 Nov 2019 14:45

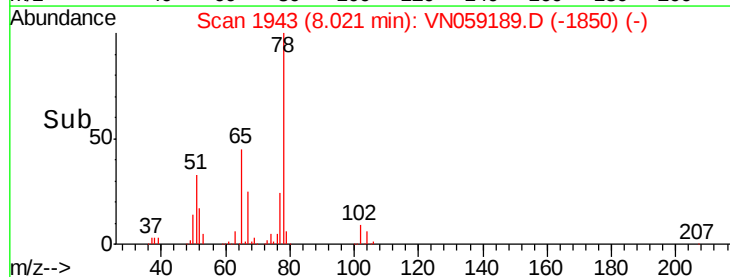
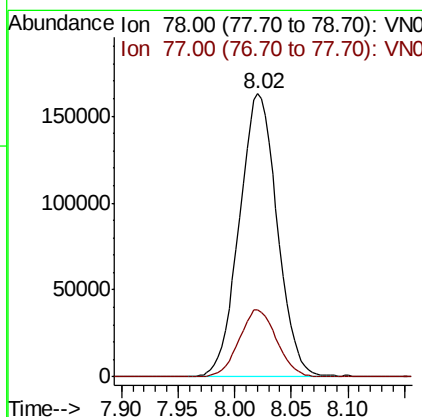
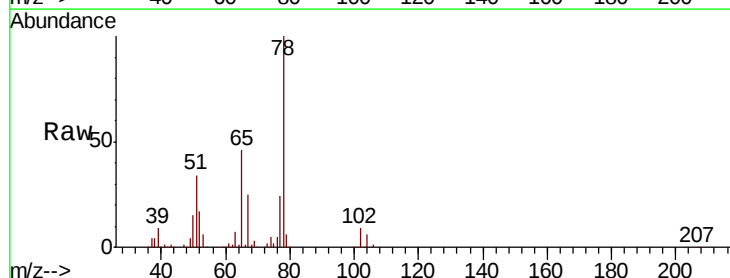
Instrument :
MSVOA_N
ClientSampleId :
VN1112MBSD01

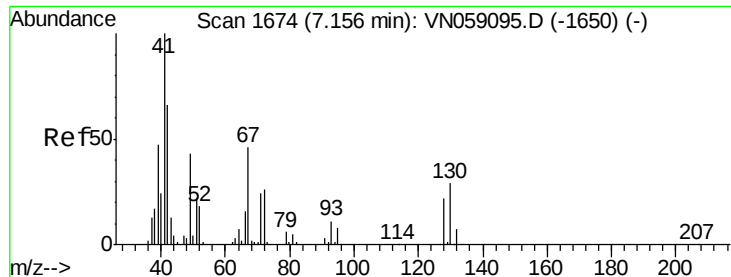
Tot Ion: 83 Resp: 139589
Ion Ratio Lower Upper
83 100
55 79.0 63.9 95.9
98 43.8 35.6 53.4



#40
Benzene
Concen: 20.199 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. -0.00 min
Lab File: VN059189.D
Acq: 12 Nov 2019 14:45

Tgt Ion: 78 Resp: 380385
Ion Ratio Lower Upper
78 100
77 23.7 18.8 28.2

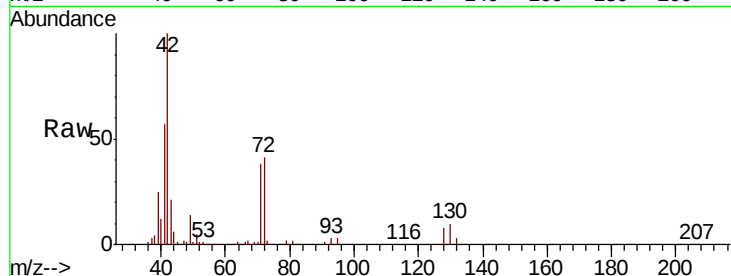




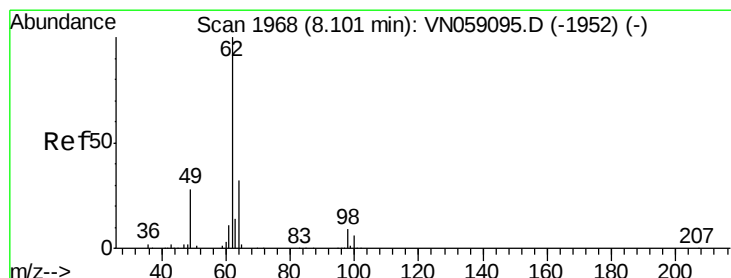
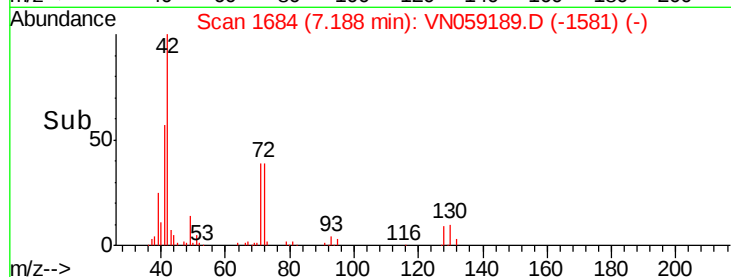
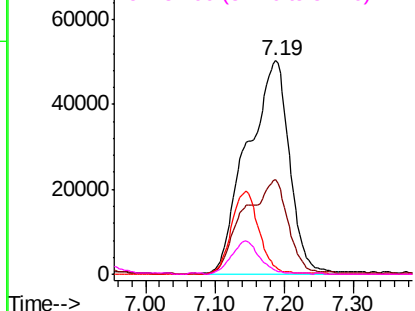
#41
Methacrylonitrile
Concen: 70.598 ug/l
RT: 7.19 min Scan# 1684
Delta R.T. 0.03 min
Lab File: VN059189.D
Acq: 12 Nov 2019 14:45

Instrument :
MSVOA_N
ClientSampleId :
VN1112MBSD01

Tot Ion:	41	Resp:	213574
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

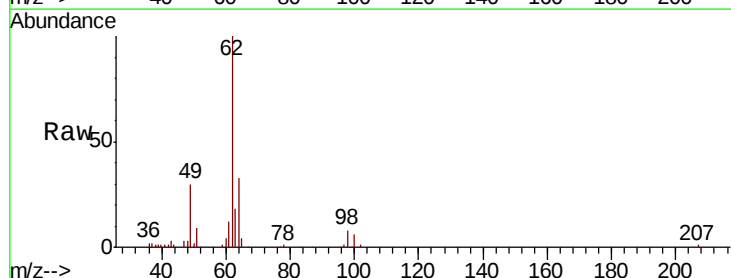


Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 67.00 (66.70 to 67.70): VNO
Ion 52.00 (51.70 to 52.70): VNO

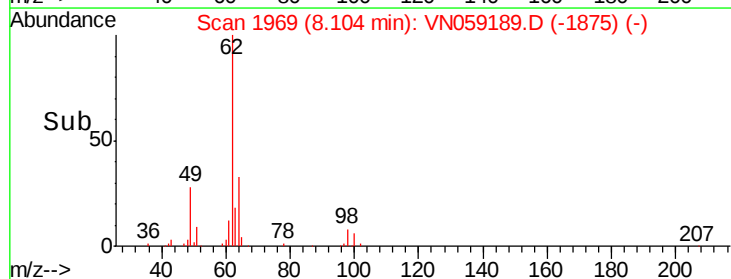
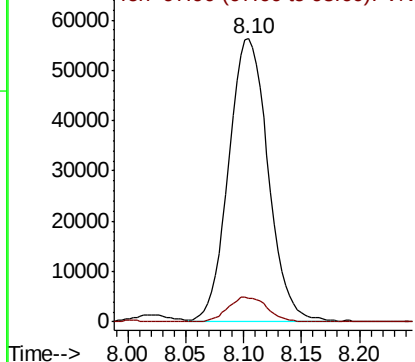


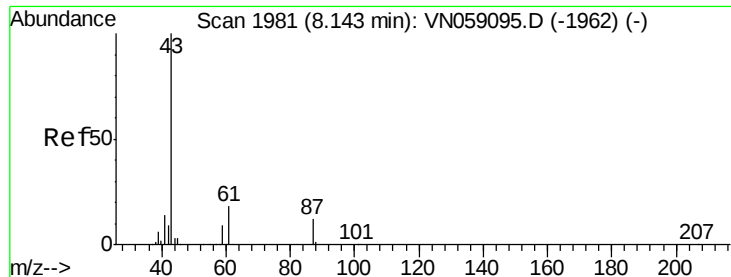
#42
1,2-Dichloroethane
Concen: 20.485 ug/l
RT: 8.10 min Scan# 1969
Delta R.T. 0.00 min
Lab File: VN059189.D
Acq: 12 Nov 2019 14:45

Tgt Ion:	62	Resp:	132310
Ion	Ratio	Lower	Upper
62	100		
98	8.8	0.0	17.8



Abundance Ion 61.90 (61.60 to 62.60): VNO
Ion 97.90 (97.60 to 98.60): VNO





#43

Isopropyl Acetate

Concen: 20.516 ug/l

RT: 8.14 min Scan# 1981

Delta R.T. -0.00 min

Lab File: VN059189.D

Acq: 12 Nov 2019 14:45

Instrument :

MSVOA_N

ClientSampleId :

VN1112MBSD01

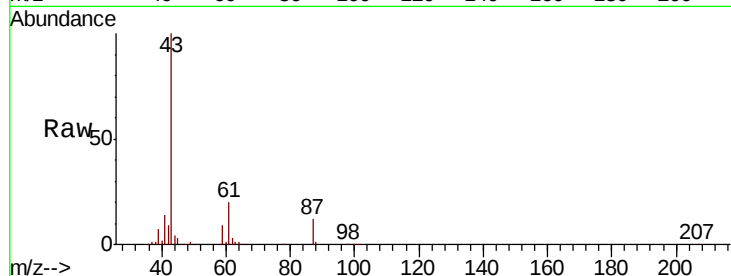
Tot Ion: 43 Resp: 227551

Ion Ratio Lower Upper

43 100

61 26.4 21.0 31.6

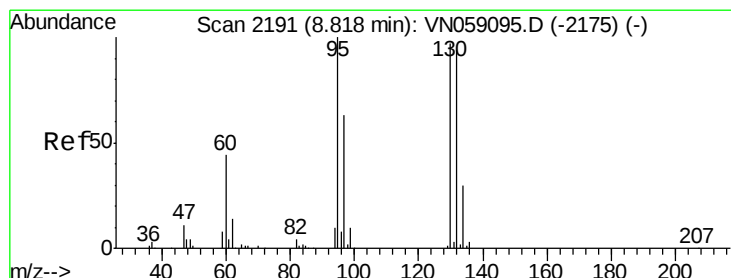
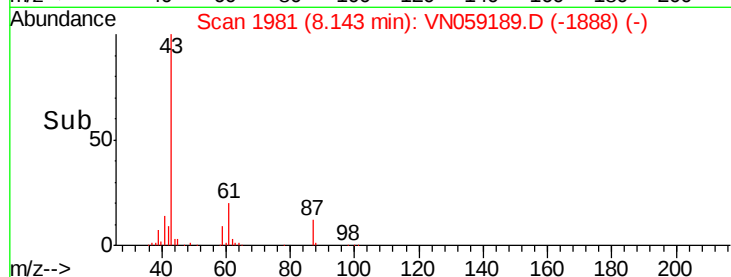
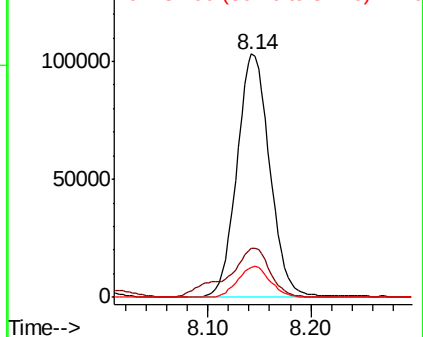
87 12.6 9.8 14.6



Abundance Ion 43.00 (42.70 to 43.70): VN059189.D (-1962) (-)

Ion 61.00 (60.70 to 61.70): VN059189.D (-1962) (-)

Ion 87.00 (86.70 to 87.70): VN059189.D (-1962) (-)



#44

Trichloroethene

Concen: 19.724 ug/l

RT: 8.82 min Scan# 2191

Delta R.T. -0.00 min

Lab File: VN059189.D

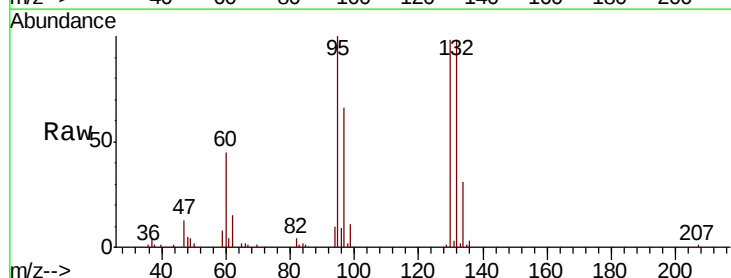
Acq: 12 Nov 2019 14:45

Tgt Ion: 130 Resp: 91305

Ion Ratio Lower Upper

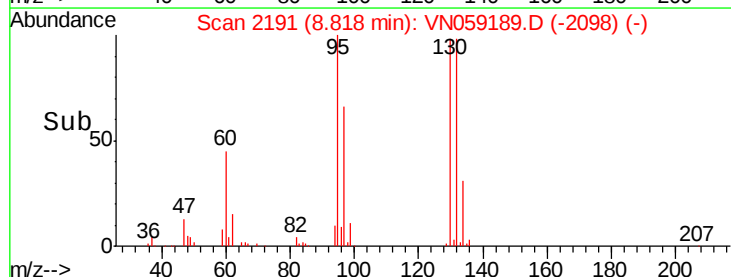
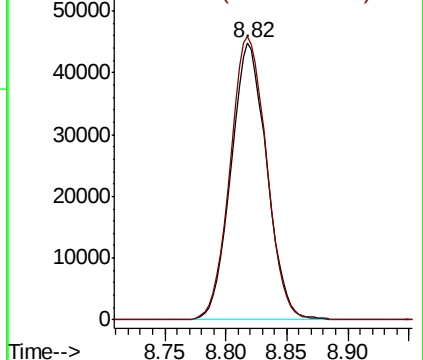
130 100

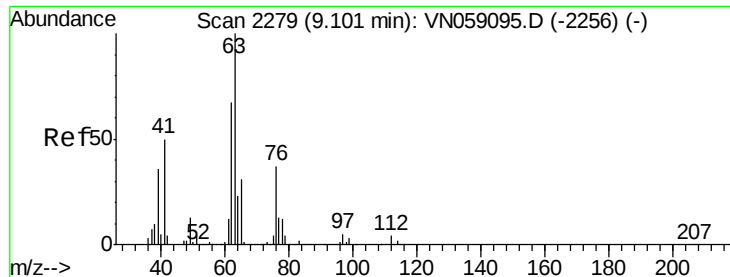
95 102.0 0.0 206.4



Abundance Ion 129.80 (129.50 to 130.50): VN059189.D (-2175) (-)

Ion 94.90 (94.60 to 95.60): VN059189.D (-2175) (-)

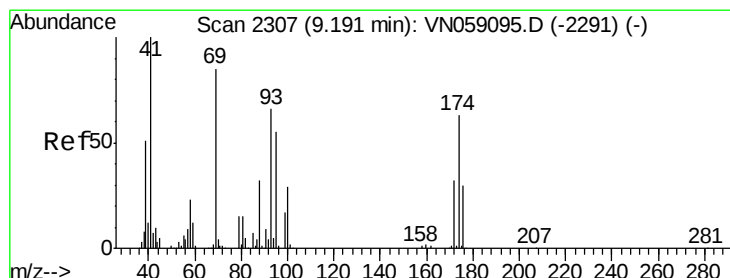
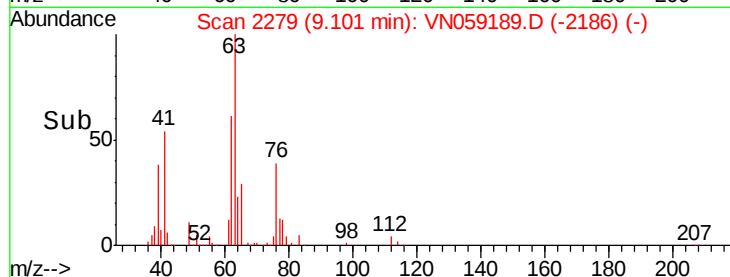
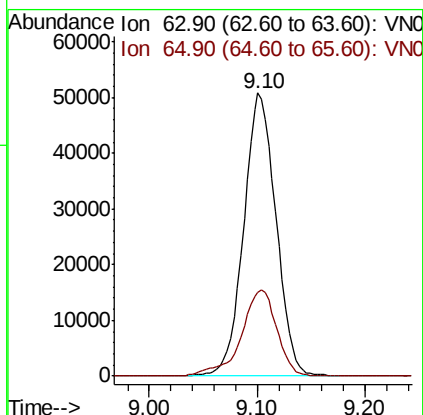
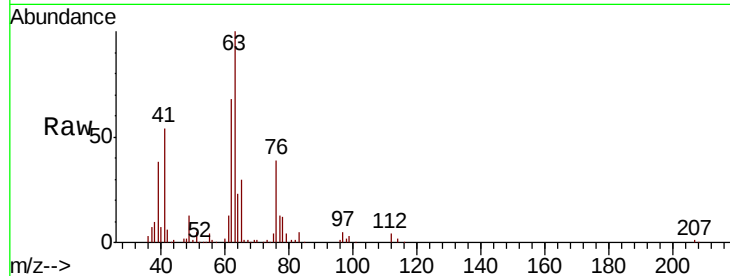




#45
 1,2-Dichloropropane
 Concen: 20.638 ug/l
 RT: 9.10 min Scan# 2279
 Delta R.T. -0.00 min
 Lab File: VN059189.D
 Acq: 12 Nov 2019 14:45

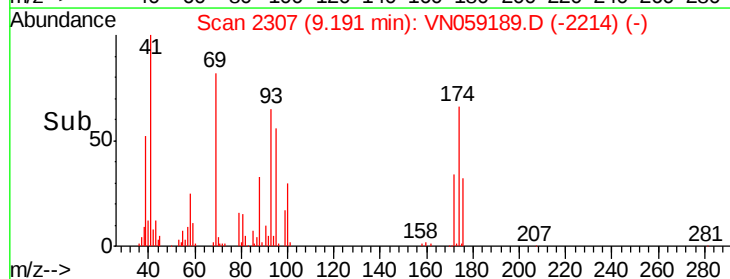
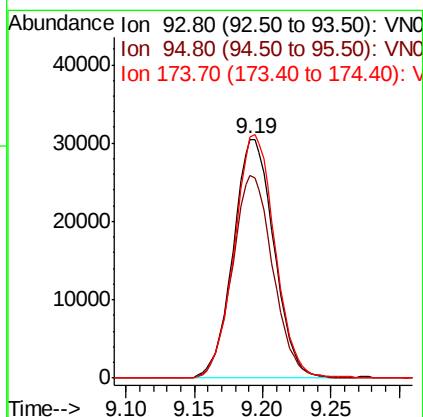
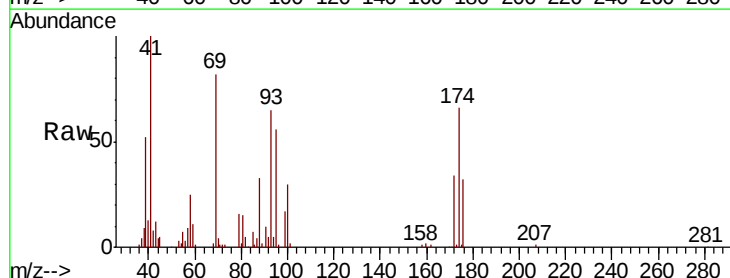
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1112MBSD01

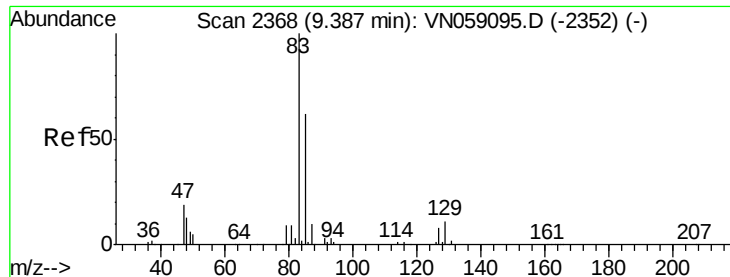
Tot Ion: 63 Resp: 105565
 Ion Ratio Lower Upper
 63 100
 65 29.8 24.6 37.0



#46
 Dibromomethane
 Concen: 19.838 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. -0.00 min
 Lab File: VN059189.D
 Acq: 12 Nov 2019 14:45

Tgt Ion: 93 Resp: 63233
 Ion Ratio Lower Upper
 93 100
 95 84.5 66.6 100.0
 174 101.4 78.2 117.2





#47

Bromodichloromethane

Concen: 20.395 ug/l

RT: 9.39 min Scan# 2368

Delta R.T. -0.00 min

Lab File: VN059189.D

Acq: 12 Nov 2019 14:45

Instrument :

MSVOA_N

ClientSampleId :

VN1112MBSD01

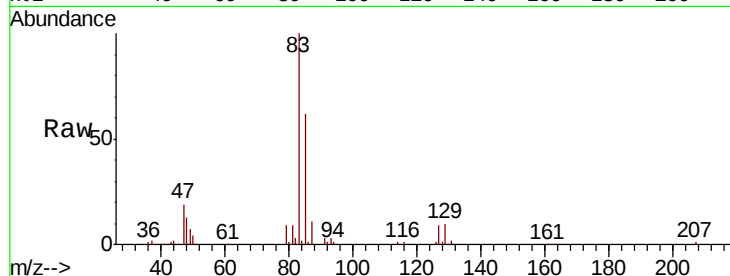
Tot Ion: 83 Resp: 129811

Ion Ratio Lower Upper

83 100

85 61.8 49.7 74.5

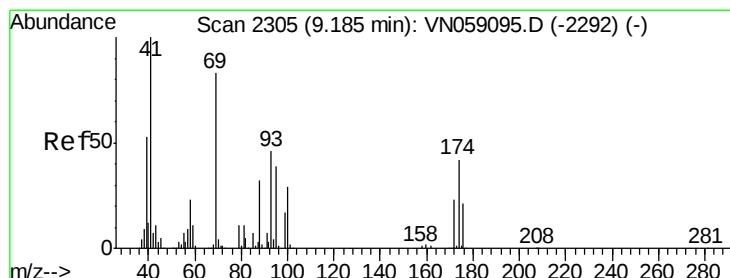
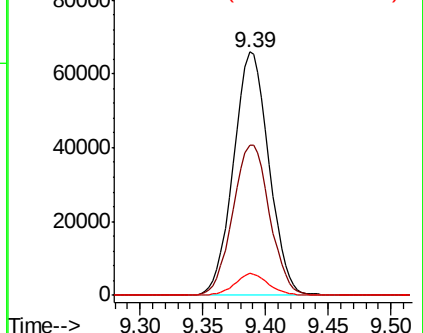
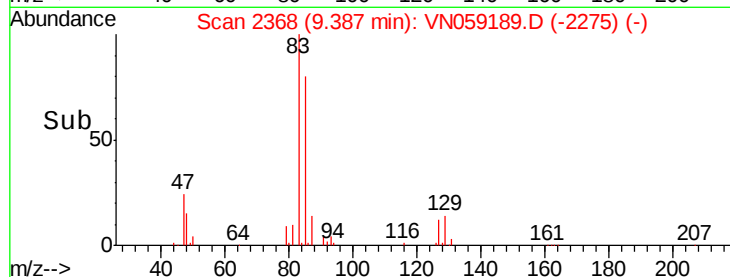
127 8.8 6.4 9.6



Abundance Ion 82.90 (82.60 to 83.60): VN059189.D (-2275) (-)

Ion 84.90 (84.60 to 85.60): VN059189.D (-2275) (-)

Ion 126.80 (126.50 to 127.50): VN059189.D (-2275) (-)



#48

Methyl methacrylate

Concen: 20.071 ug/l

RT: 9.18 min Scan# 2305

Delta R.T. -0.00 min

Lab File: VN059189.D

Acq: 12 Nov 2019 14:45

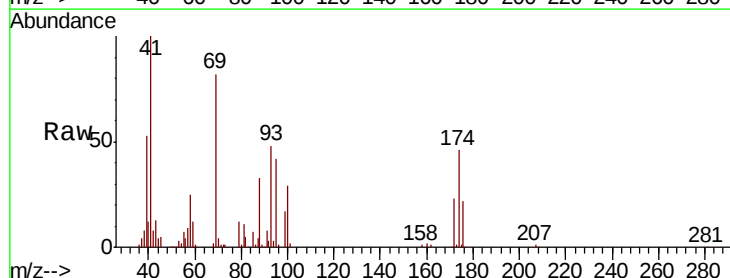
Tgt Ion: 41 Resp: 99572

Ion Ratio Lower Upper

41 100

69 84.9 67.3 100.9

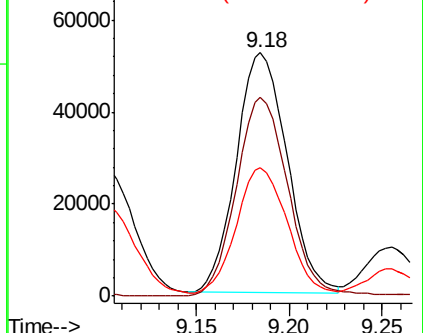
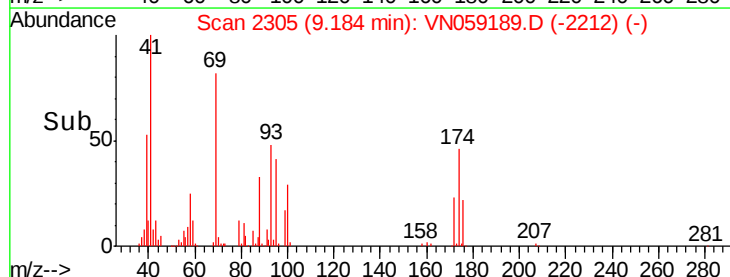
39 54.1 43.3 64.9

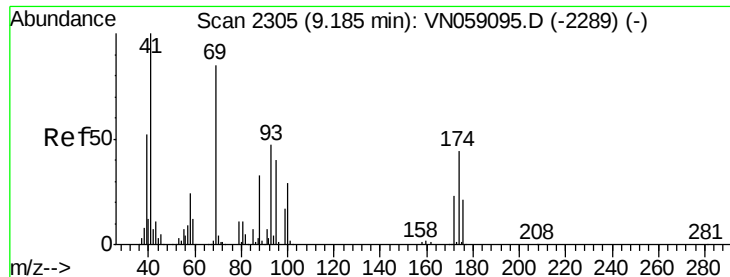


Abundance Ion 41.00 (40.70 to 41.70): VN059189.D (-2212) (-)

Ion 69.00 (68.70 to 69.70): VN059189.D (-2212) (-)

Ion 39.00 (38.70 to 39.70): VN059189.D (-2212) (-)

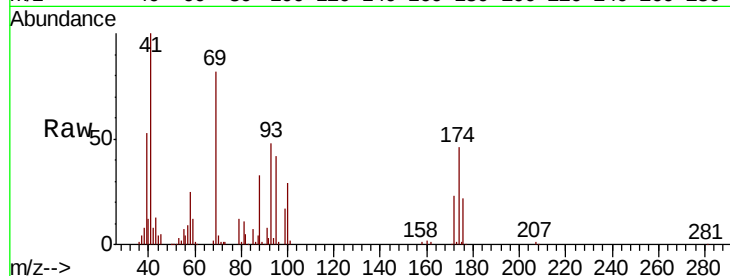




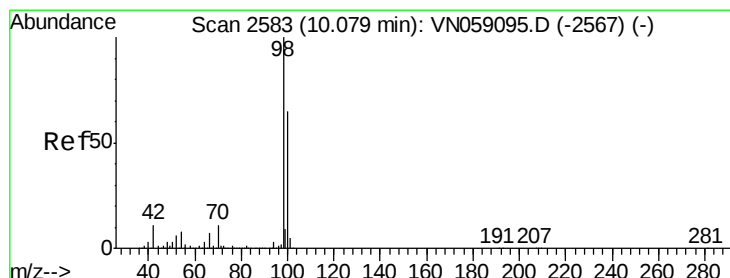
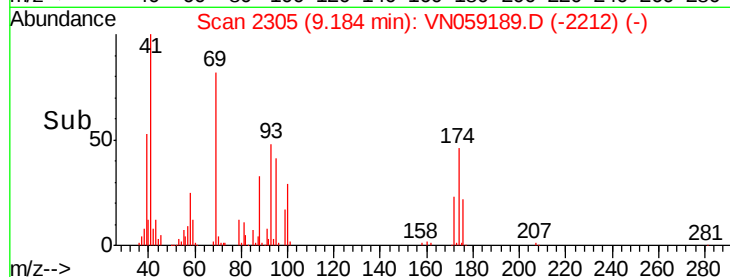
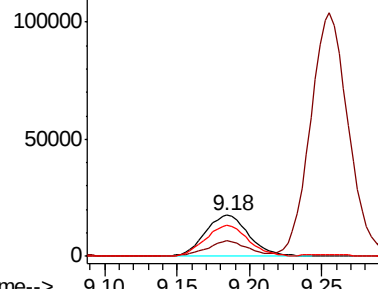
#49
1,4-Dioxane
Concen: 419.152 ug/l
RT: 9.18 min Scan# 2305
Delta R.T. -0.00 min
Lab File: VN059189.D
Acq: 12 Nov 2019 14:45

Instrument :
MSVOA_N
ClientSampleId :
VN1112MBSD01

Tot Ion: 88 Resp: 36955
Ion Ratio Lower Upper
88 100
43 35.9 26.3 39.5
58 74.2 60.6 90.8

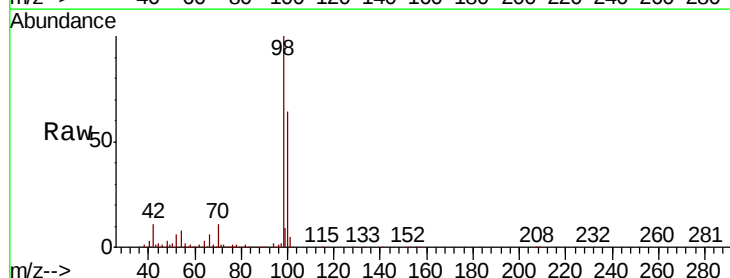


Abundance Ion 88.00 (87.70 to 88.70): VNC
Ion 43.00 (42.70 to 43.70): VNC
Ion 58.00 (57.70 to 58.70): VNC

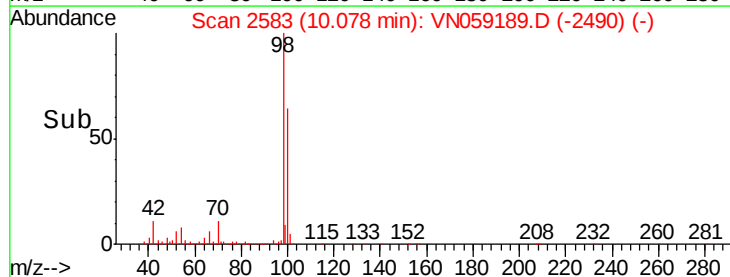
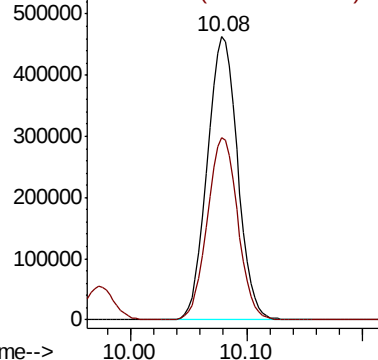


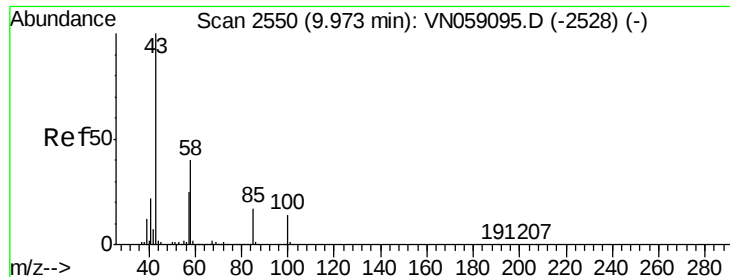
#50
Toluene-d8
Concen: 53.355 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. -0.00 min
Lab File: VN059189.D
Acq: 12 Nov 2019 14:45

Tgt Ion: 98 Resp: 839570
Ion Ratio Lower Upper
98 100
100 64.5 52.2 78.2



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

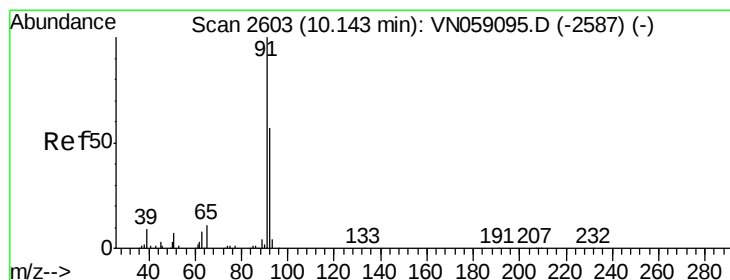
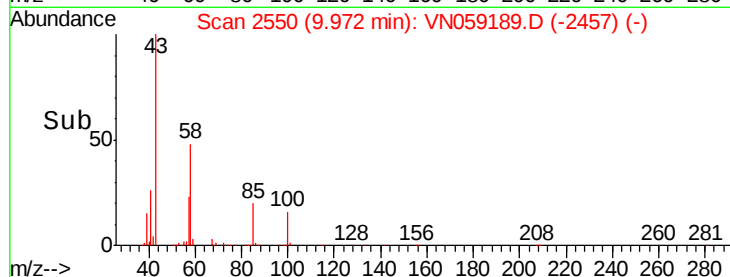
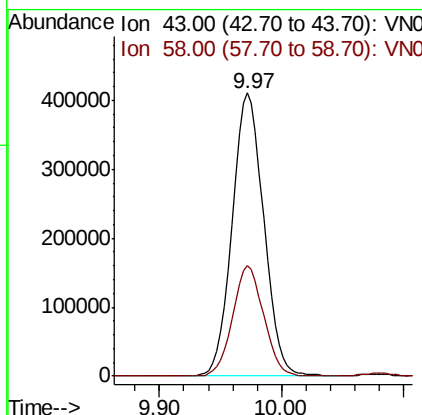
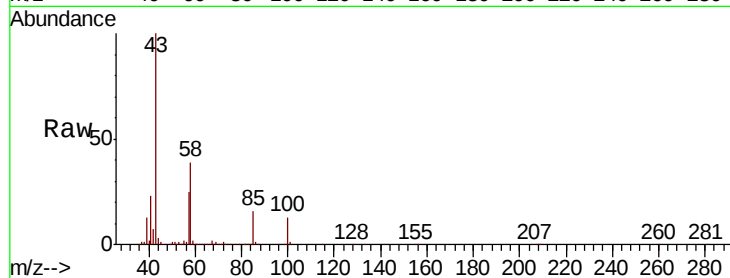




#51
 4-Methyl-2-Pentanone
 Concen: 117.124 ug/l
 RT: 9.97 min Scan# 2550
 Delta R.T. -0.00 min
 Lab File: VN059189.D
 Acq: 12 Nov 2019 14:45

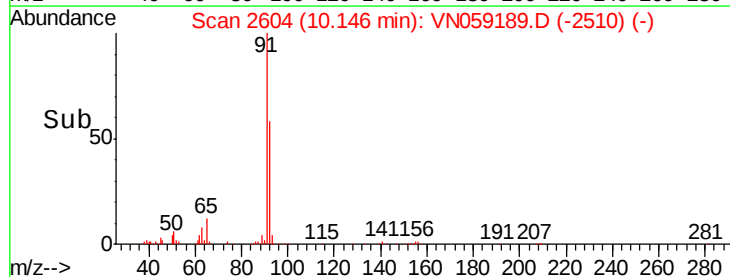
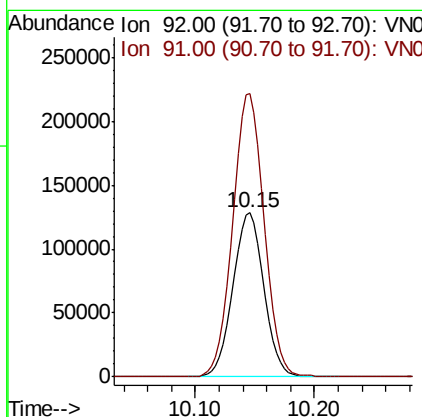
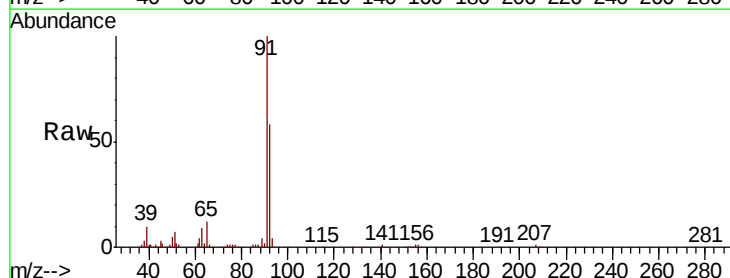
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1112MBSD01

Tot Ion: 43 Resp: 735037
 Ion Ratio Lower Upper
 43 100
 58 38.5 31.5 47.3



#52
 Toluene
 Concen: 20.475 ug/l
 RT: 10.15 min Scan# 2604
 Delta R.T. 0.00 min
 Lab File: VN059189.D
 Acq: 12 Nov 2019 14:45

Tgt Ion: 92 Resp: 231109
 Ion Ratio Lower Upper
 92 100
 91 175.1 139.5 209.3





#53

t-1,3-Dichloropropene

Concen: 20.286 ug/l

RT: 10.37 min Scan# 2675

Delta R.T. -0.00 min

Lab File: VN059189.D

Acq: 12 Nov 2019 14:45

Instrument :

MSVOA_N

ClientSampleId :

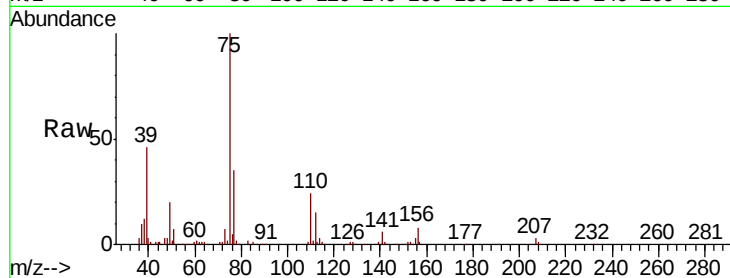
VN1112MBSD01

Tot Ion: 75 Resp: 149173

Ion Ratio Lower Upper

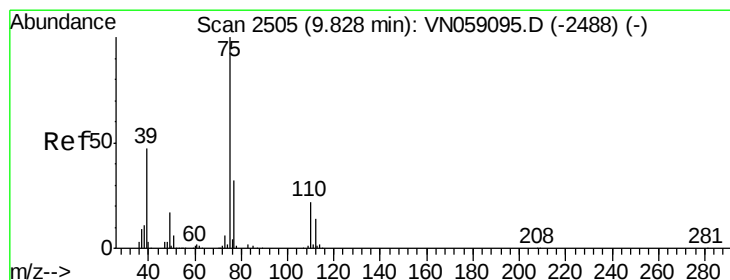
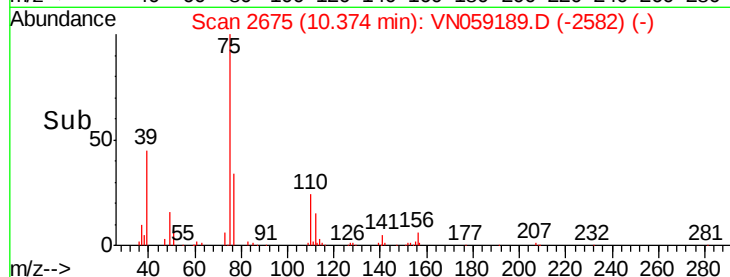
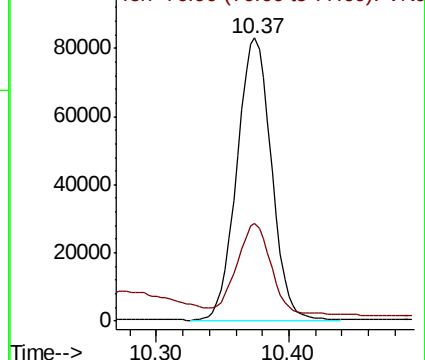
75 100

77 32.7 25.3 37.9



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 20.353 ug/l

RT: 9.83 min Scan# 2505

Delta R.T. -0.00 min

Lab File: VN059189.D

Acq: 12 Nov 2019 14:45

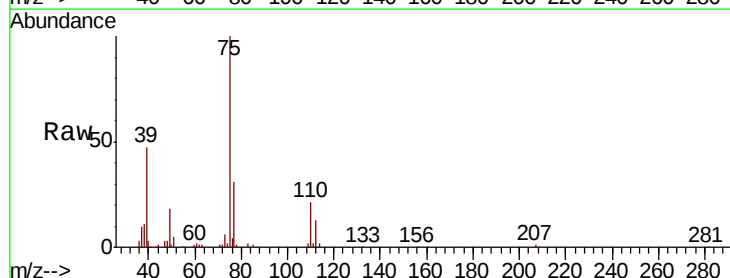
Tgt Ion: 75 Resp: 160991

Ion Ratio Lower Upper

75 100

77 31.2 25.5 38.3

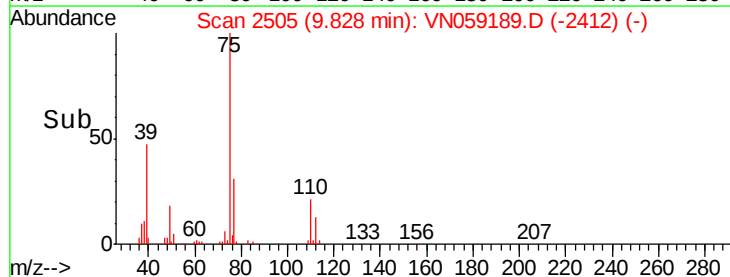
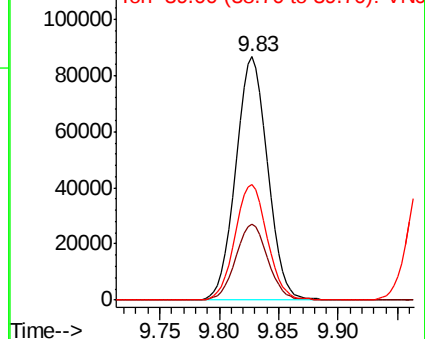
39 47.1 37.3 55.9

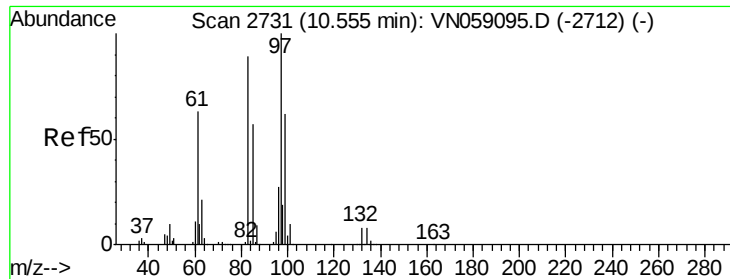


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

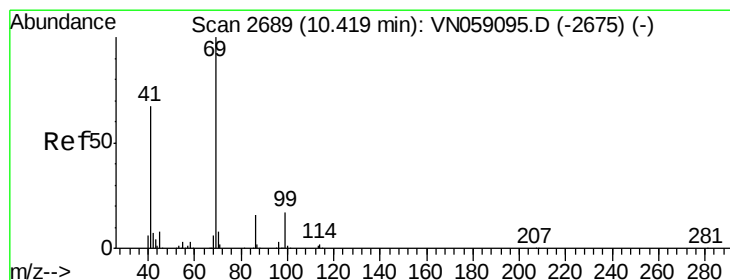
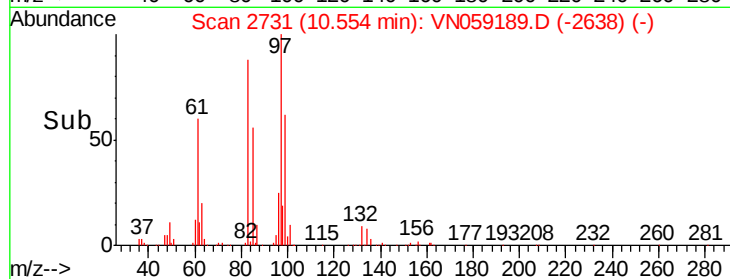
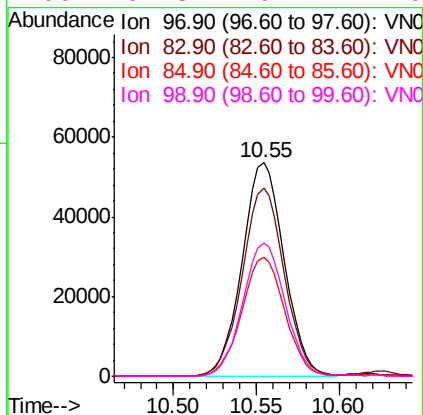
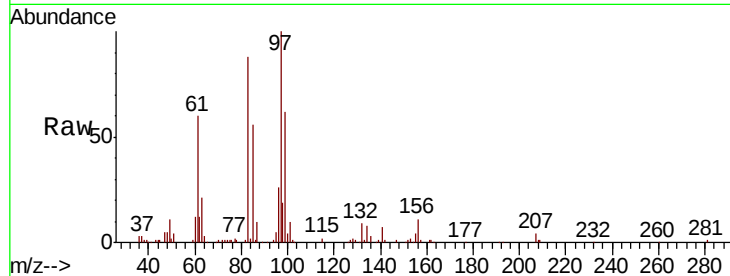




#55
 1,1,2-Trichloroethane
 Concen: 20.646 ug/l
 RT: 10.55 min Scan# 2731
 Delta R.T. -0.00 min
 Lab File: VN059189.D
 Acq: 12 Nov 2019 14:45

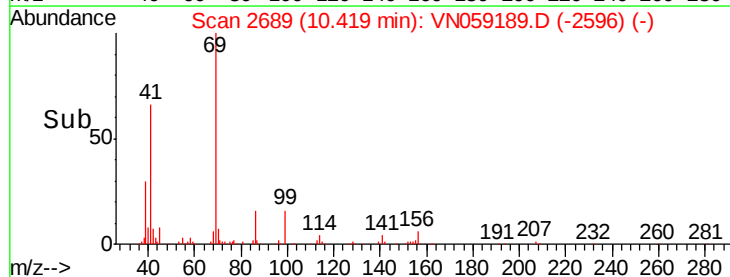
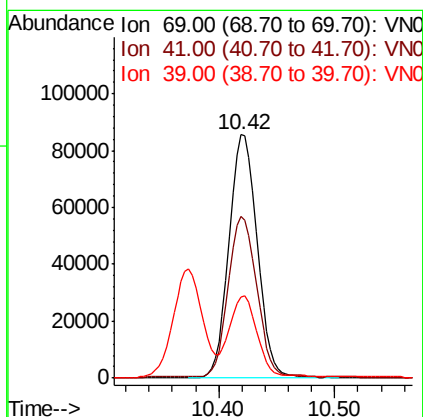
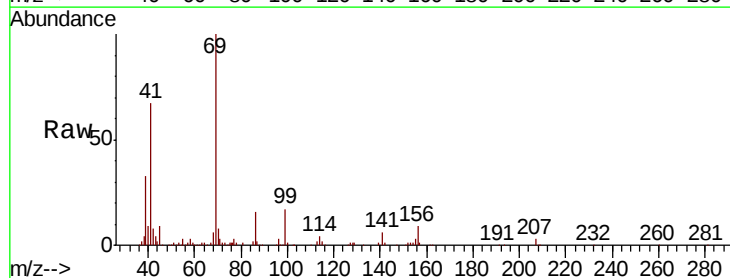
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1112MBSD01

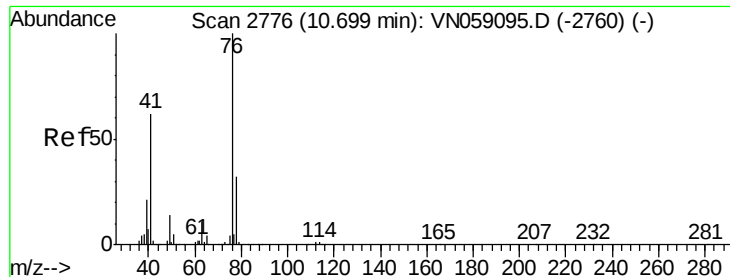
Tot Ion:	97	Resp:	94313
Ion	Ratio	Lower	Upper
97	100		
83	87.9	71.0	106.4
85	55.6	45.8	68.8
99	62.3	49.4	74.0



#56
 Ethyl methacrylate
 Concen: 20.157 ug/l
 RT: 10.42 min Scan# 2689
 Delta R.T. 0.00 min
 Lab File: VN059189.D
 Acq: 12 Nov 2019 14:45

Tgt Ion:	69	Resp:	144727
Ion	Ratio	Lower	Upper
69	100		
41	66.4	53.6	80.4
39	32.3	26.2	39.4





#57

1,3-Dichloropropane

Concen: 20.752 ug/l

RT: 10.70 min Scan# 2776

Delta R.T. -0.00 min

Lab File: VN059189.D

Acq: 12 Nov 2019 14:45

Instrument :

MSVOA_N

ClientSampleId :

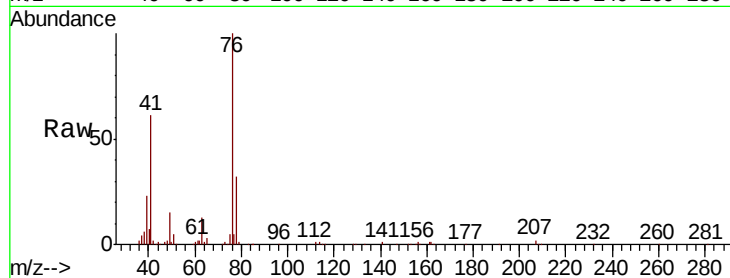
VN1112MBSD01

Tot Ion: 76 Resp: 163157

Ion Ratio Lower Upper

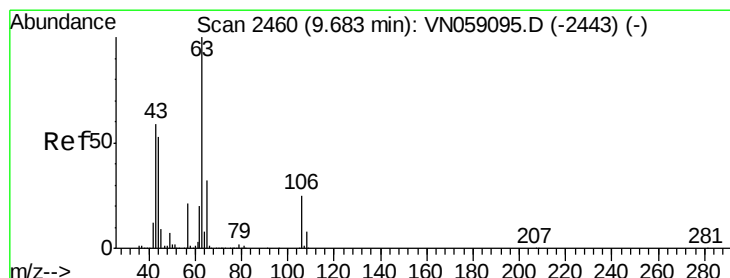
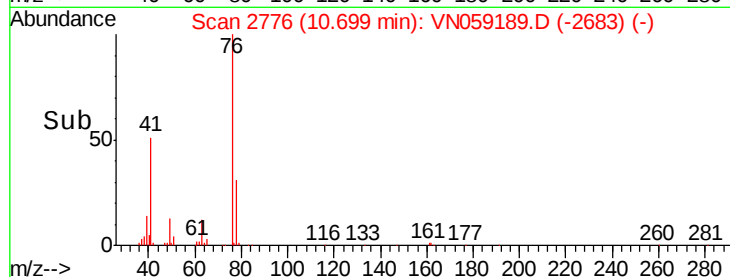
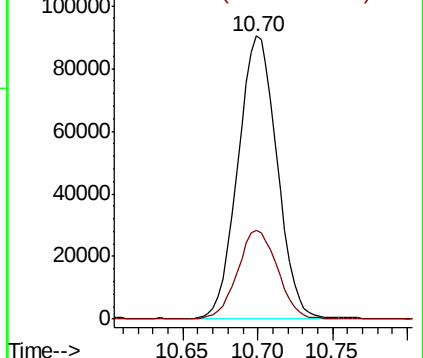
76 100

78 32.5 25.8 38.8



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 111.094 ug/l

RT: 9.68 min Scan# 2460

Delta R.T. -0.00 min

Lab File: VN059189.D

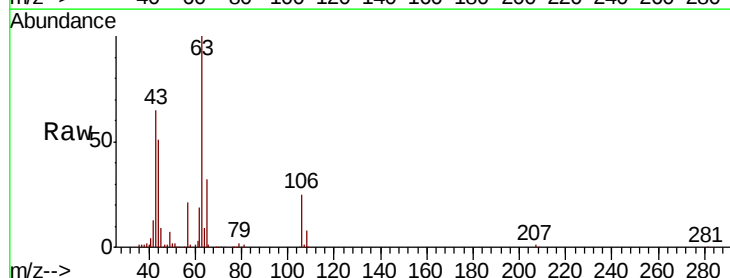
Acq: 12 Nov 2019 14:45

Tgt Ion: 63 Resp: 282431

Ion Ratio Lower Upper

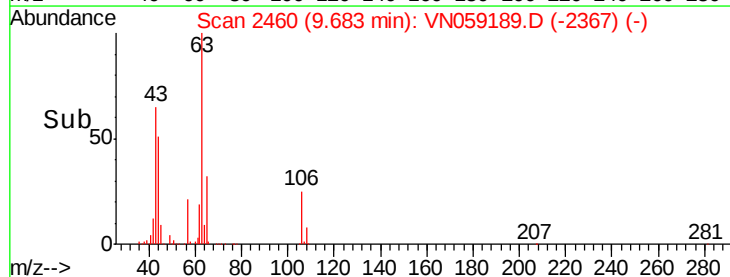
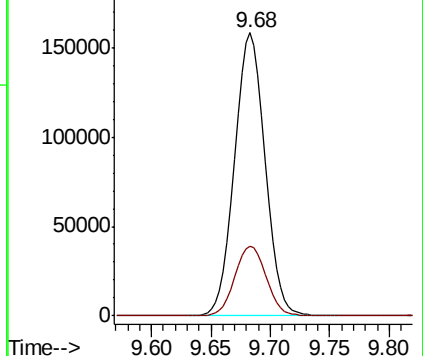
63 100

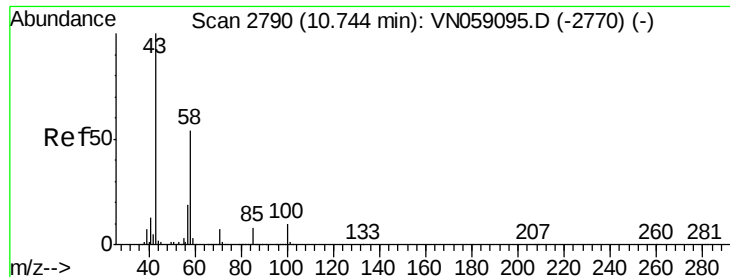
106 25.3 20.2 30.2



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

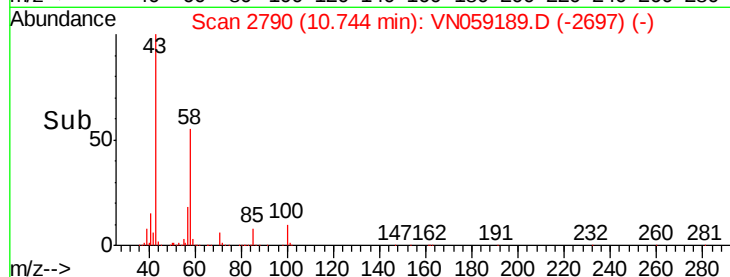
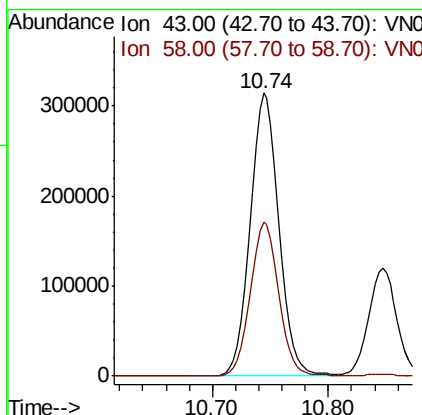
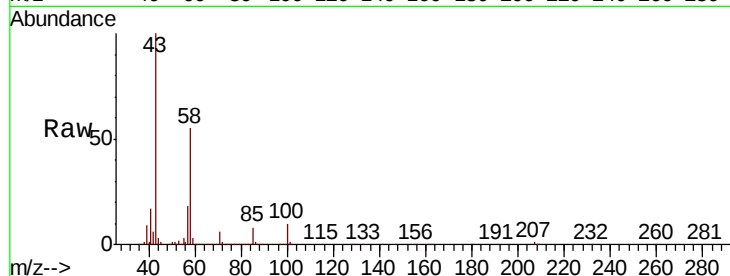




#59
2-Hexanone
Concen: 112.766 ug/l
RT: 10.74 min Scan# 2790
Delta R.T. -0.00 min
Lab File: VN059189.D
Acq: 12 Nov 2019 14:45

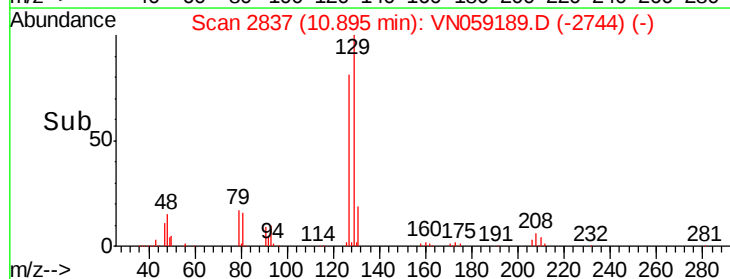
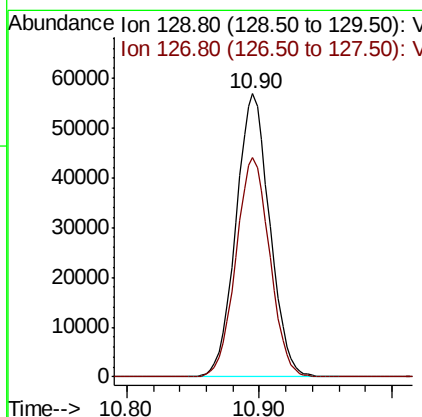
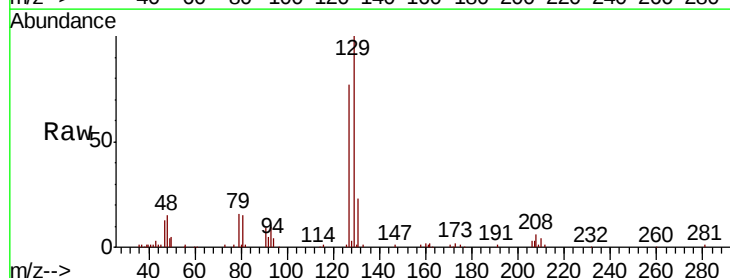
Instrument :
MSVOA_N
ClientSampleId :
VN1112MBSD01

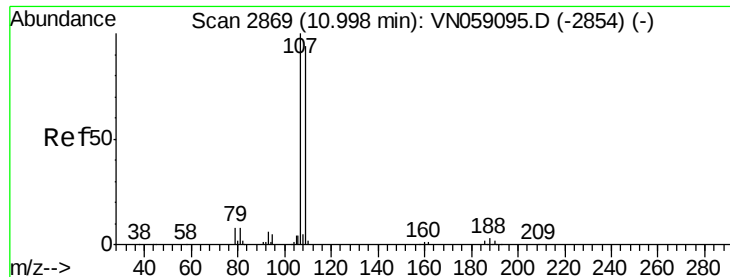
Tot Ion: 43 Resp: 543182
Ion Ratio Lower Upper
43 100
58 54.3 27.3 81.8



#60
Dibromochloromethane
Concen: 20.802 ug/l
RT: 10.90 min Scan# 2837
Delta R.T. -0.00 min
Lab File: VN059189.D
Acq: 12 Nov 2019 14:45

Tgt Ion: 129 Resp: 100471
Ion Ratio Lower Upper
129 100
127 77.6 38.6 115.8





#61

1,2-Dibromoethane

Concen: 20.670 ug/l

RT: 11.00 min Scan# 2870

Delta R.T. 0.00 min

Lab File: VN059189.D

Acq: 12 Nov 2019 14:45

Instrument :

MSVOA_N

ClientSampleId :

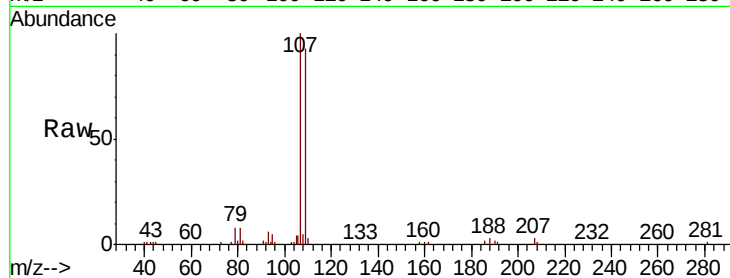
VN1112MBSD01

Tot Ion:107 Resp: 95585

Ion Ratio Lower Upper

107 100

109 93.8 75.5 113.3



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

60000

50000

40000

30000

20000

10000

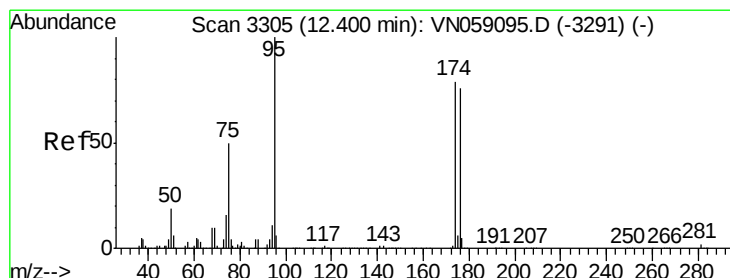
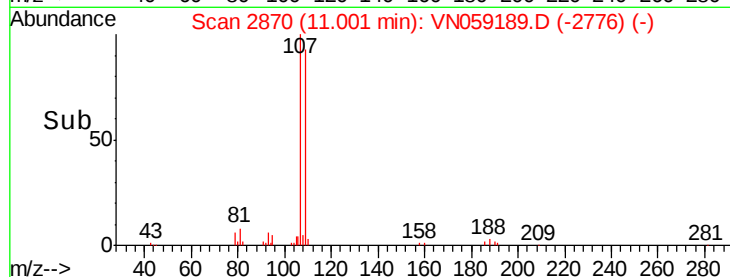
0

11.00

10.90

11.10

Time-->



#62

4-Bromofluorobenzene

Concen: 53.676 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN059189.D

Acq: 12 Nov 2019 14:45

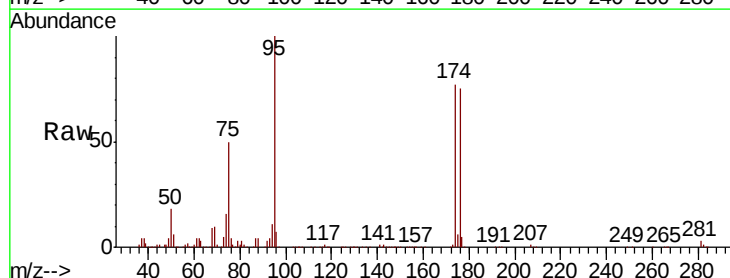
Tgt Ion: 95 Resp: 304536

Ion Ratio Lower Upper

95 100

174 78.1 0.0 158.2

176 76.3 0.0 151.8



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

250000

200000

150000

100000

50000

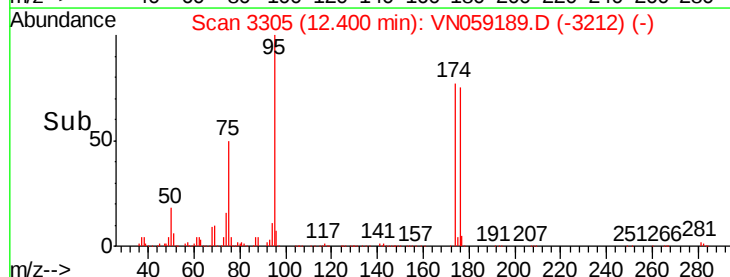
0

12.40

12.30

12.50

Time-->

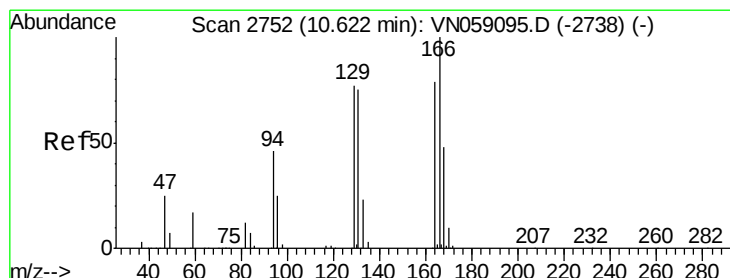
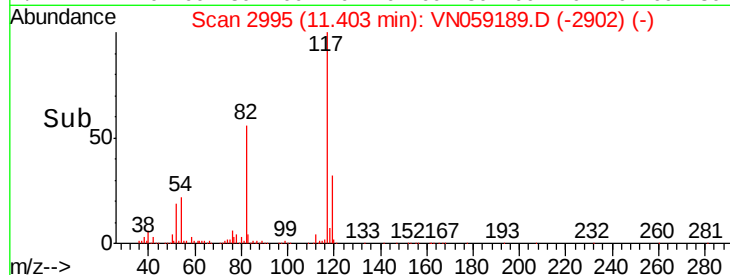
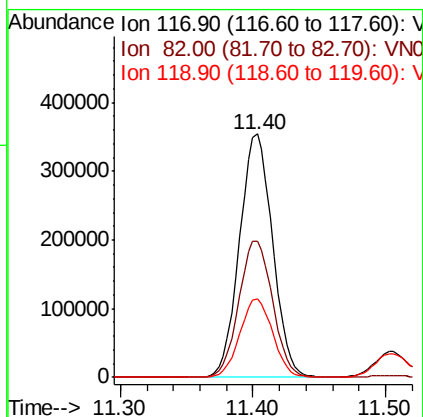
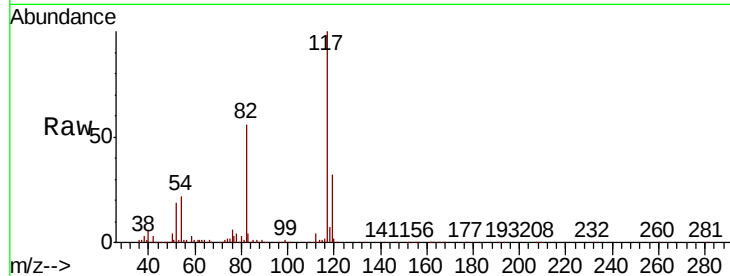




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. -0.00 min
Lab File: VN059189.D
Acq: 12 Nov 2019 14:45

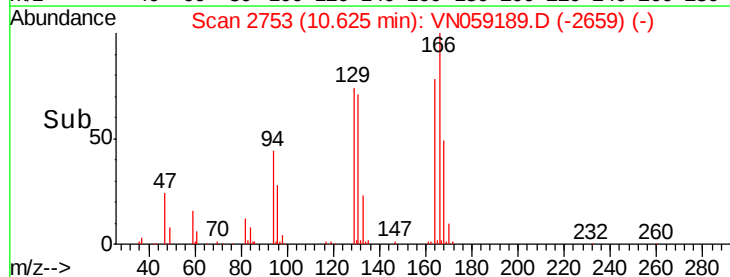
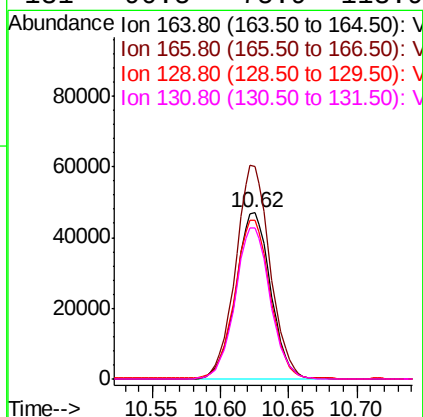
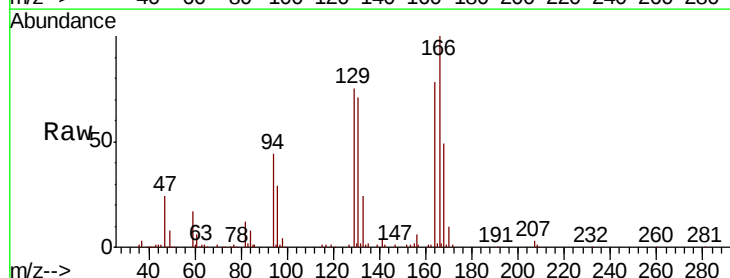
Instrument :
MSVOA_N
ClientSampleId :
VN1112MBSD01

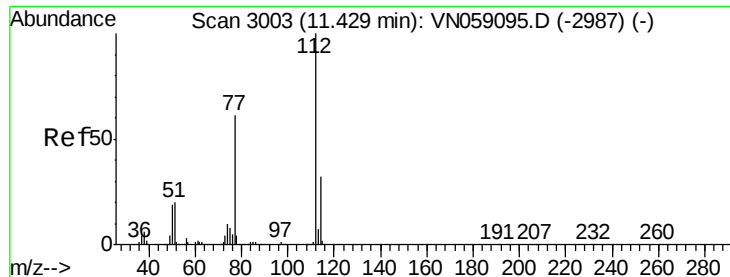
Tot Ion:117 Resp: 615071
Ion Ratio Lower Upper
117 100
82 56.1 45.8 68.8
119 32.1 25.8 38.6



#64
Tetrachloroethene
Concen: 19.980 ug/l
RT: 10.62 min Scan# 2753
Delta R.T. 0.00 min
Lab File: VN059189.D
Acq: 12 Nov 2019 14:45

Tgt Ion:164 Resp: 83564
Ion Ratio Lower Upper
164 100
166 127.9 101.5 152.3
129 95.1 78.3 117.5
131 90.5 75.9 113.9

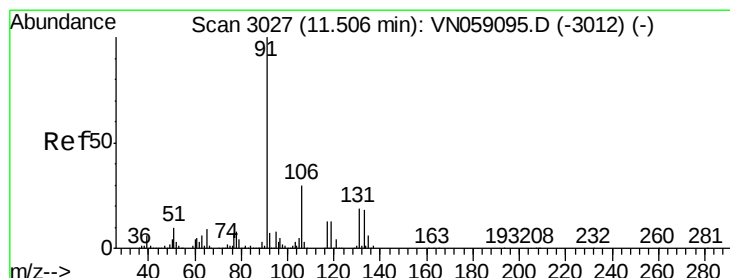
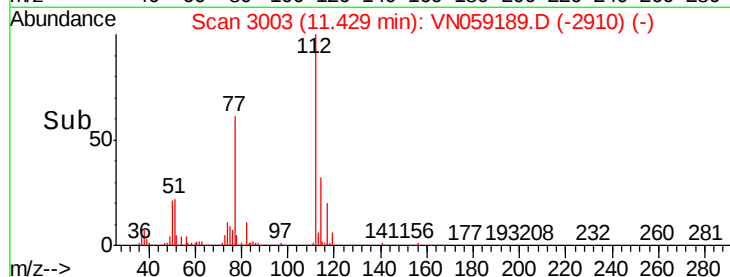
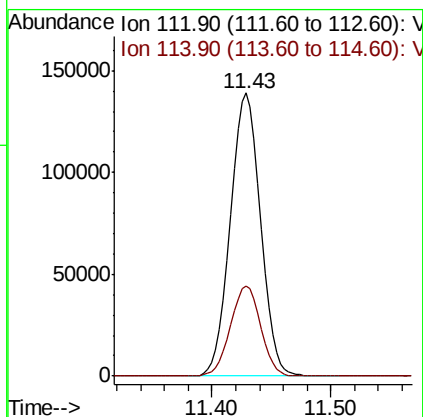
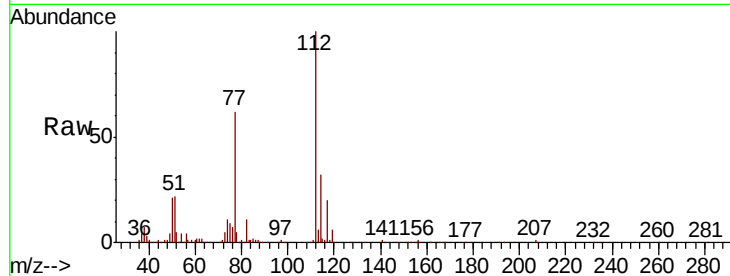




#65
Chlorobenzene
Concen: 20.384 ug/l
RT: 11.43 min Scan# 3003
Delta R.T. -0.00 min
Lab File: VN059189.D
Acq: 12 Nov 2019 14:45

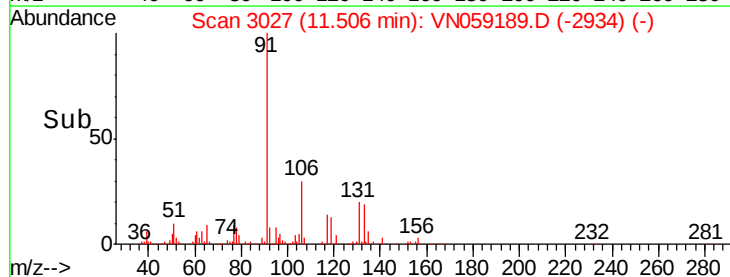
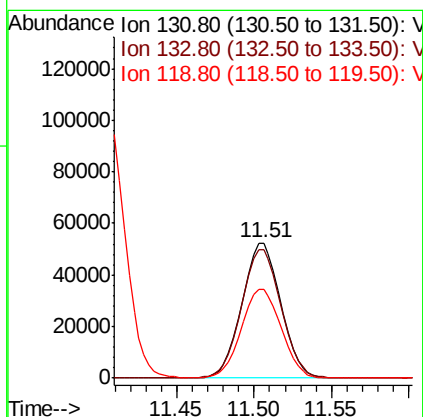
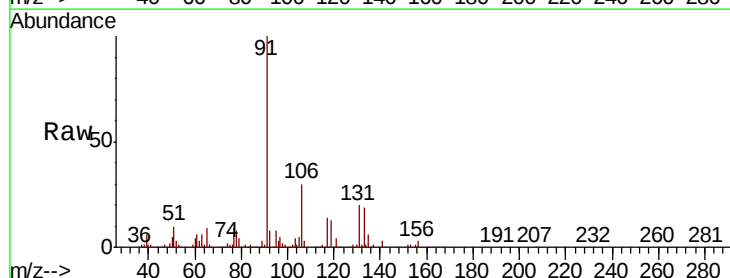
Instrument :
MSVOA_N
ClientSampleId :
VN1112MBSD01

Tot Ion:112 Resp: 244405
Ion Ratio Lower Upper
112 100
114 32.0 25.2 37.8



#66
1,1,1,2-Tetrachloroethane
Concen: 20.395 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN059189.D
Acq: 12 Nov 2019 14:45

Tgt Ion:131 Resp: 91734
Ion Ratio Lower Upper
131 100
133 98.0 47.4 142.3
119 67.8 33.2 99.6





#67

Ethyl Benzene

Concen: 21.185 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN059189.D

Acq: 12 Nov 2019 14:45

Instrument :

MSVOA_N

ClientSampleId :

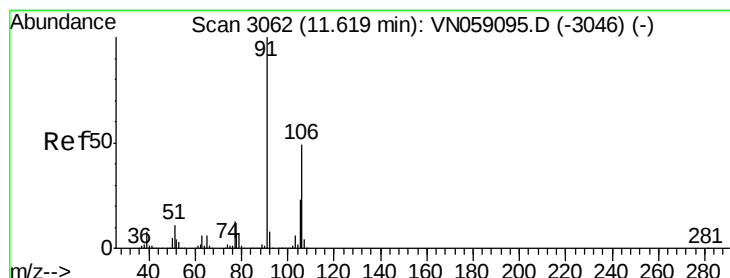
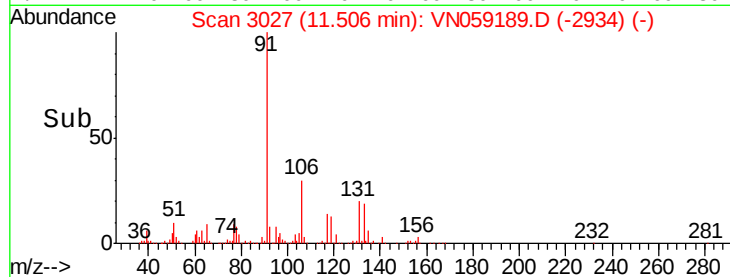
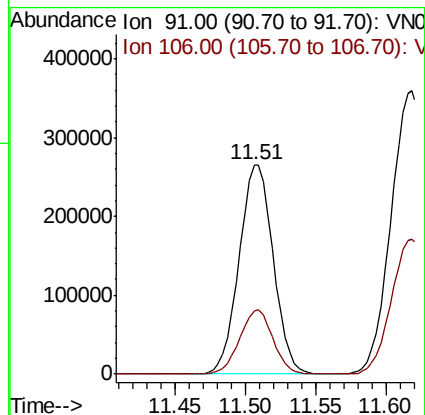
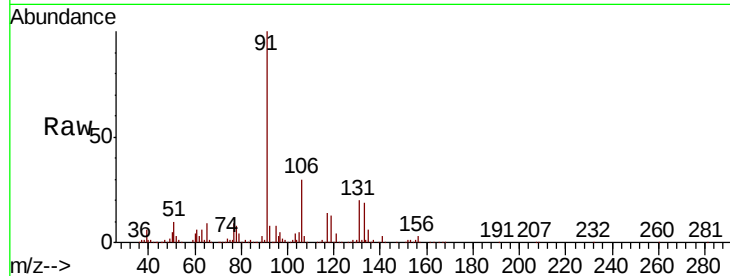
VN1112MBSD01

Tot Ion: 91 Resp: 450671

Ion Ratio Lower Upper

91 100

106 30.2 24.1 36.1



#68

m/p-Xylenes

Concen: 41.604 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN059189.D

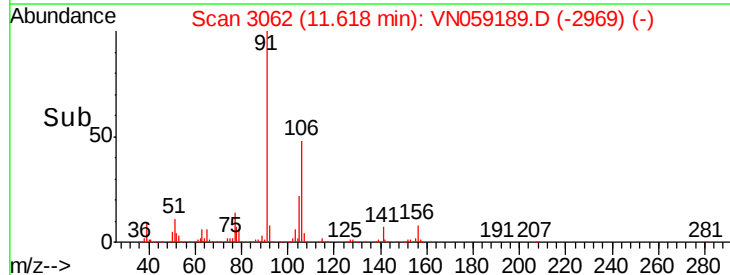
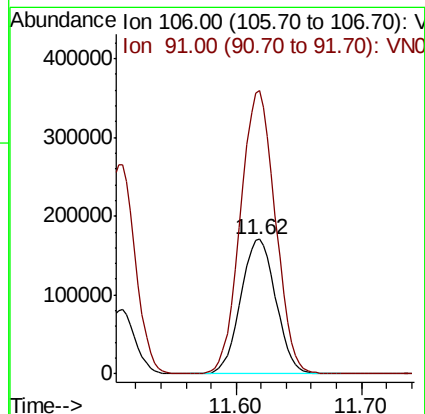
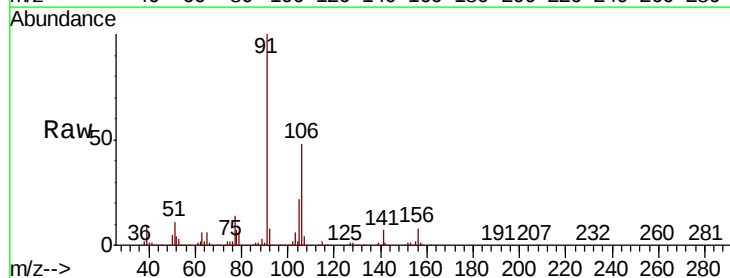
Acq: 12 Nov 2019 14:45

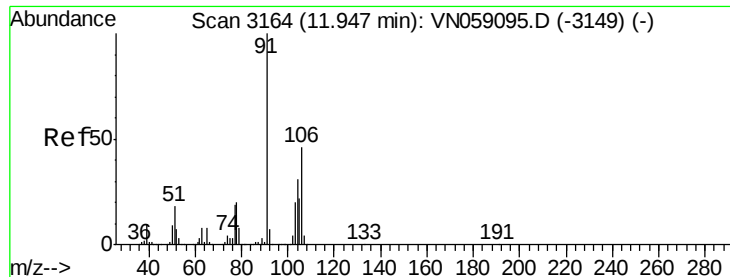
Tgt Ion: 106 Resp: 331529

Ion Ratio Lower Upper

106 100

91 209.1 164.7 247.1

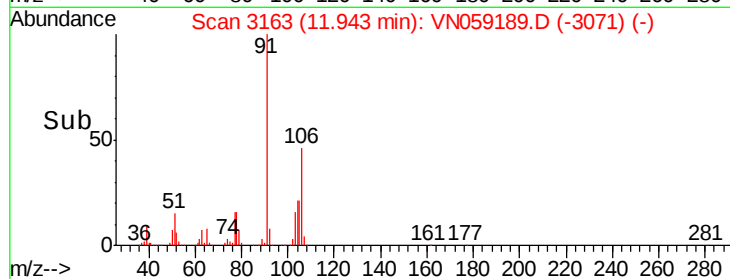
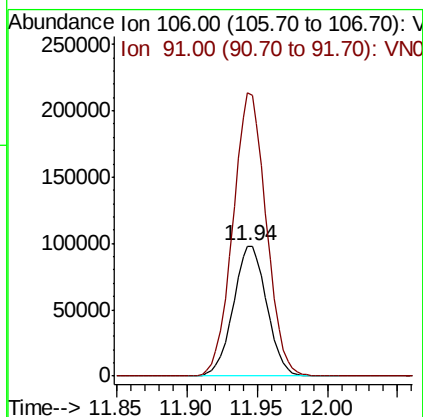
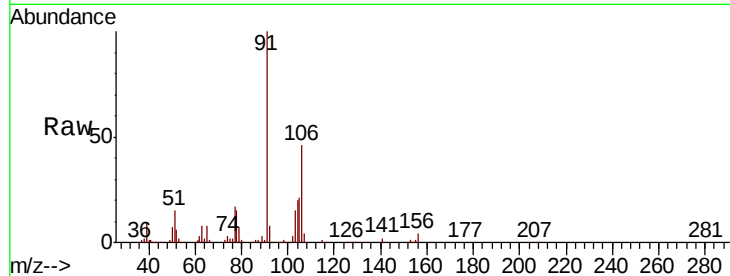




#69
o-Xylene
Concen: 21.219 ug/l
RT: 11.94 min Scan# 3163
Delta R.T. -0.00 min
Lab File: VN059189.D
Acq: 12 Nov 2019 14:45

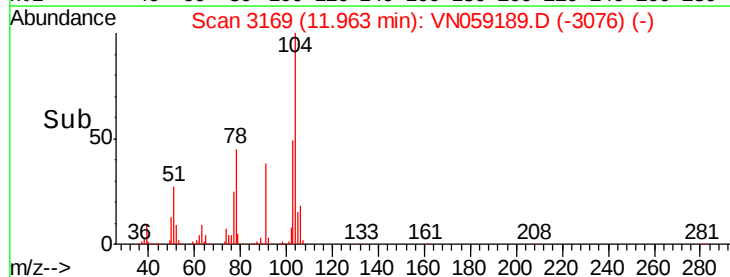
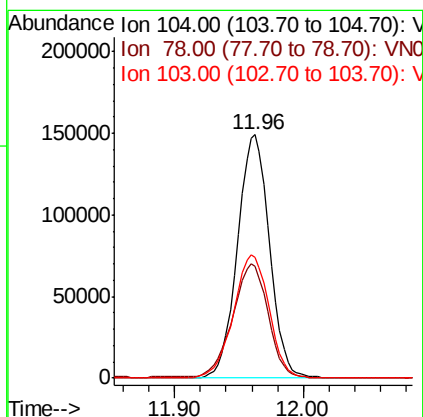
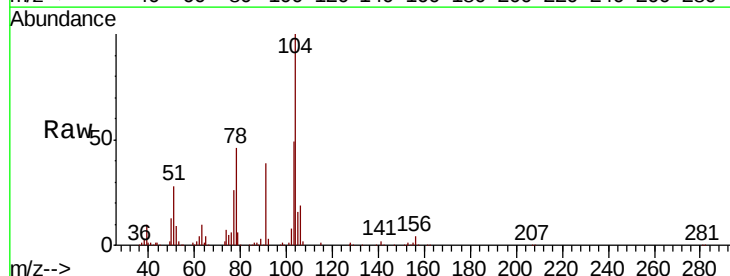
Instrument :
MSVOA_N
ClientSampleId :
VN1112MBSD01

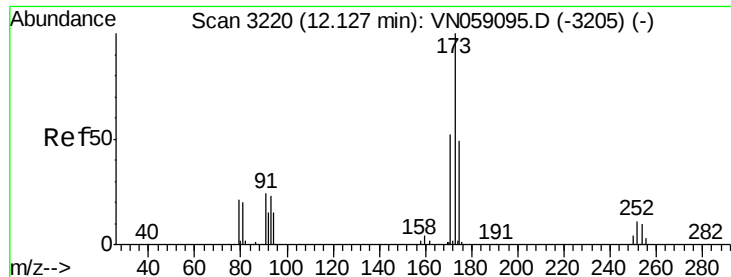
Tot Ion:106 Resp: 163403
Ion Ratio Lower Upper
106 100
91 215.3 110.1 330.3



#70
Styrene
Concen: 21.285 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN059189.D
Acq: 12 Nov 2019 14:45

Tgt Ion:104 Resp: 257789
Ion Ratio Lower Upper
104 100
78 51.3 41.2 61.8
103 56.5 43.8 65.6





#71

Bromoform

Concen: 20.612 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. -0.00 min

Lab File: VN059189.D

Acq: 12 Nov 2019 14:45

Instrument :

MSVOA_N

ClientSampleId :

VN1112MBSD01

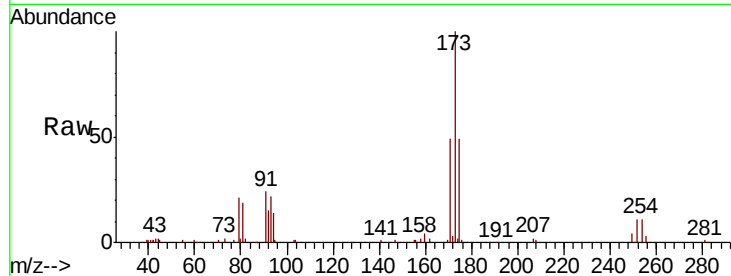
Tot Ion:173 Resp: 72113

Ion Ratio Lower Upper

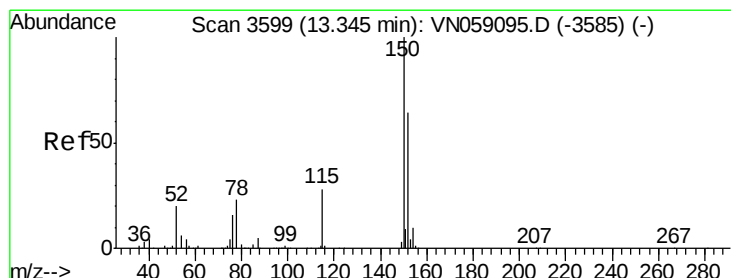
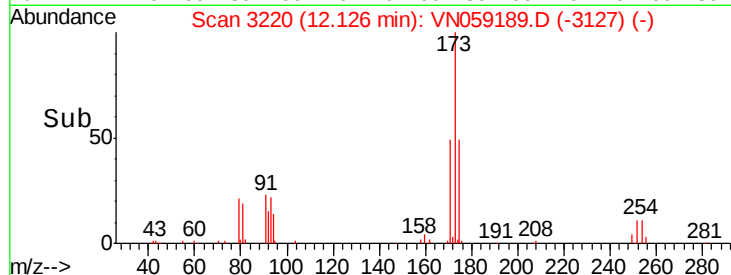
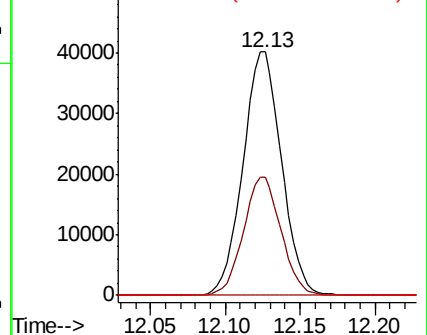
173 100

175 47.2 24.2 72.6

254 0.0 0.1 0.1#



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: 13.35 min Scan# 3599

Delta R.T. -0.00 min

Lab File: VN059189.D

Acq: 12 Nov 2019 14:45

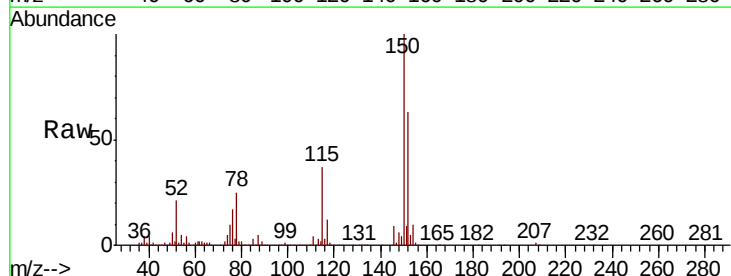
Tgt Ion:152 Resp: 284138

Ion Ratio Lower Upper

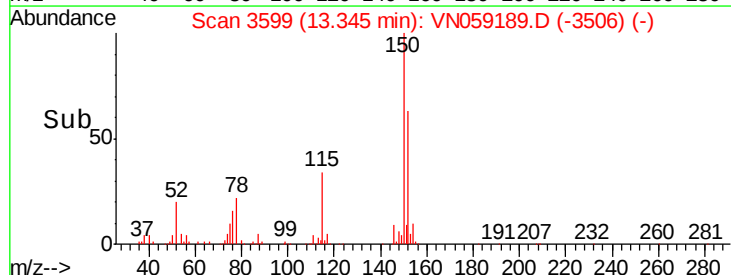
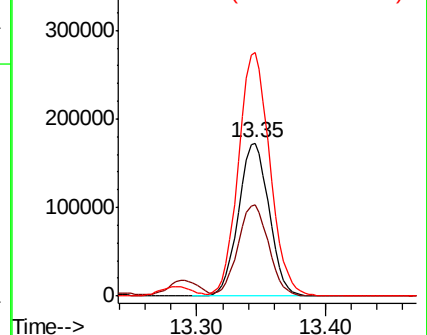
152 100

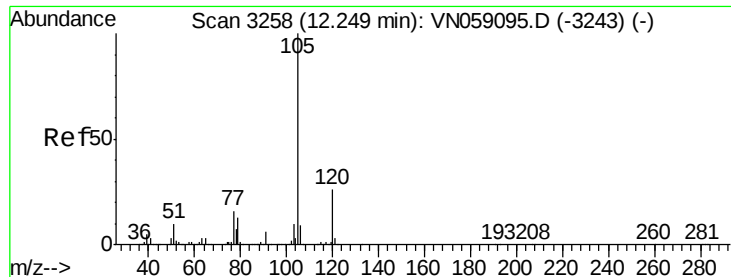
115 59.5 29.4 88.2

150 163.8 0.0 345.8



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: 20.806 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN059189.D

Acq: 12 Nov 2019 14:45

Instrument :

MSVOA_N

ClientSampleId :

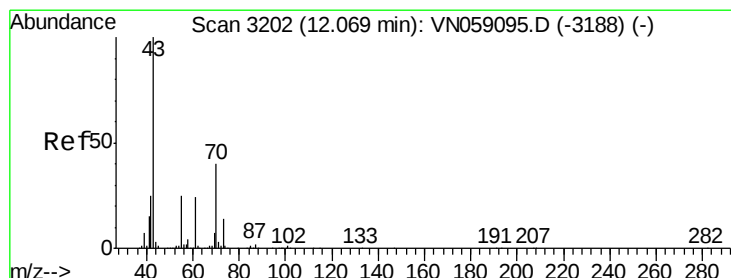
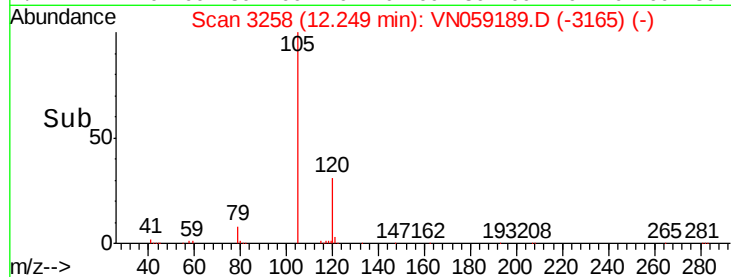
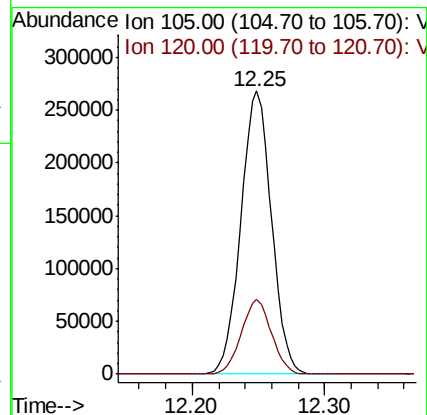
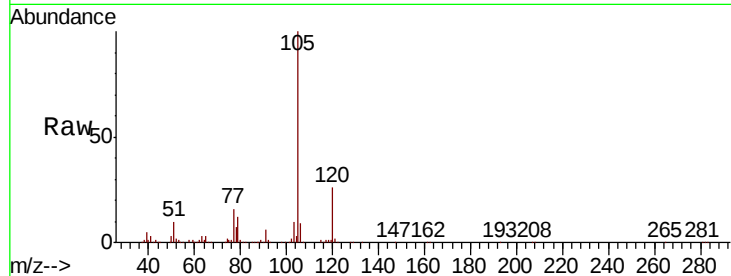
VN1112MBSD01

Tot Ion:105 Resp: 430018

Ion Ratio Lower Upper

105 100

120 26.0 13.1 39.3



#74

N-ethyl acetate

Concen: 21.136 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN059189.D

Acq: 12 Nov 2019 14:45

Tgt Ion: 43 Resp: 185111

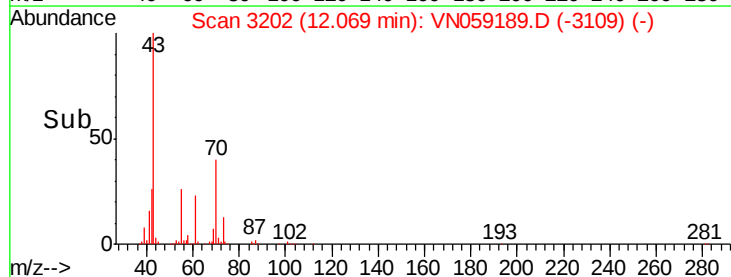
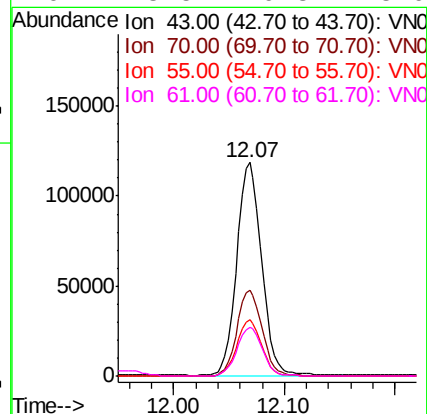
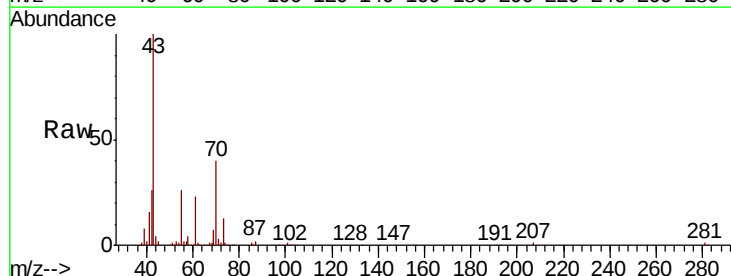
Ion Ratio Lower Upper

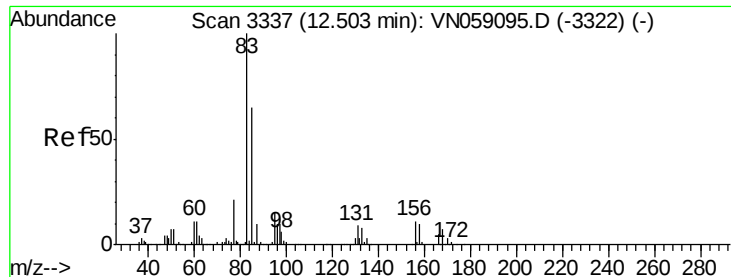
43 100

70 40.9 32.2 48.4

55 26.4 20.4 30.6

61 23.5 19.3 28.9





#75

1,1,2,2-Tetrachloroethane

Concen: 21.116 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN059189.D

Acq: 12 Nov 2019 14:45

Instrument :

MSVOA_N

ClientSampleId :

VN1112MBSD01

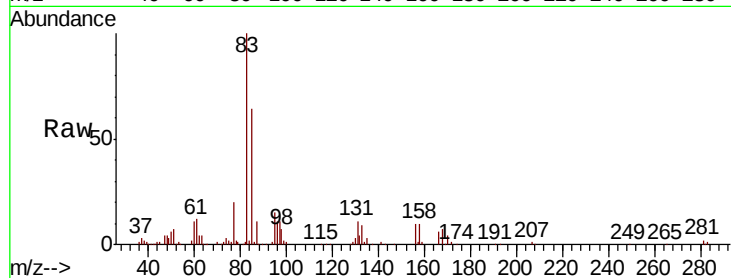
Tot Ion: 83 Resp: 148623

Ion Ratio Lower Upper

83 100

131 10.1 4.9 14.6

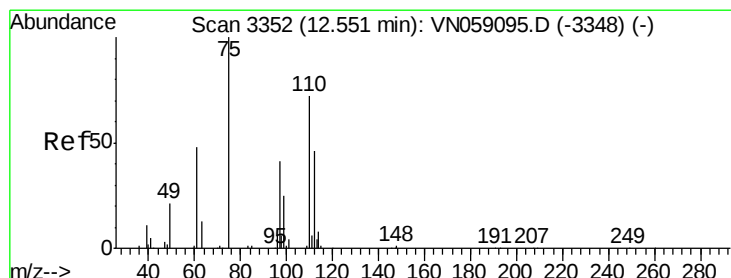
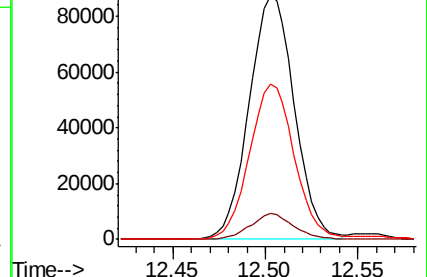
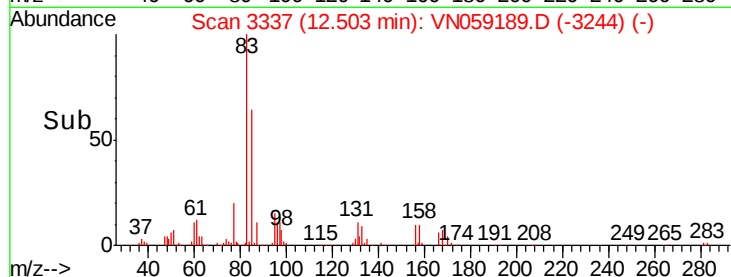
85 63.4 32.4 97.2



Abundance Ion 82.90 (82.60 to 83.60): VN059189.D (-3244) (-)

Ion 130.80 (130.50 to 131.50): VN059189.D (-3244) (-)

Ion 84.90 (84.60 to 85.60): VN059189.D (-3244) (-)



#76

1,2,3-Trichloropropane

Concen: 30.187 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN059189.D

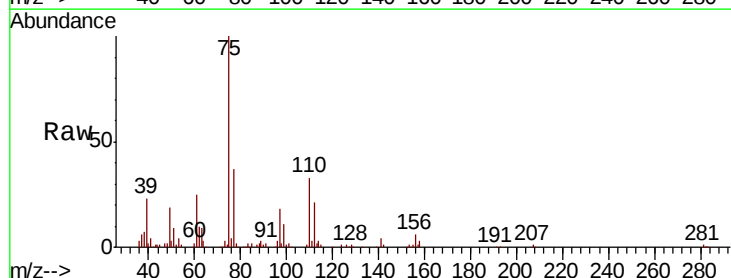
Acq: 12 Nov 2019 14:45

Tgt Ion: 75 Resp: 195275

Ion Ratio Lower Upper

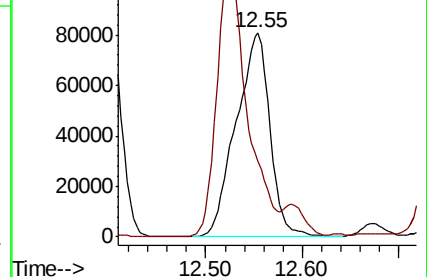
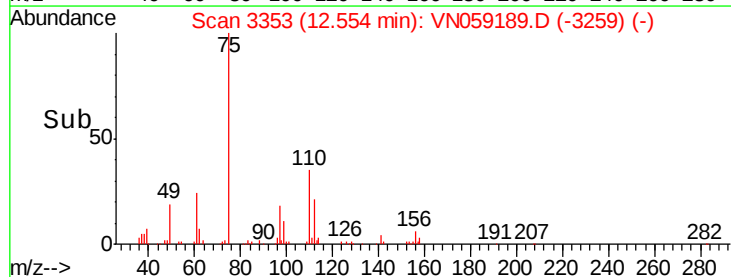
75 100

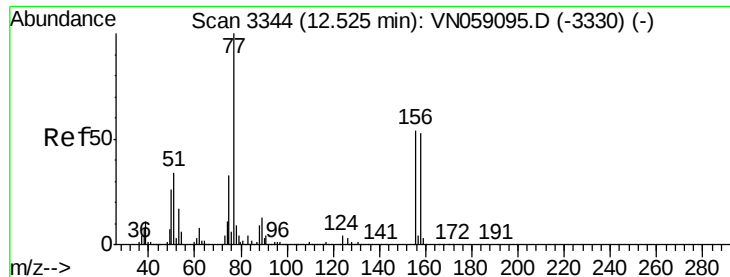
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN059189.D (-3259) (-)

Ion 77.00 (76.70 to 77.70): VN059189.D (-3259) (-)





#77

Bromobenzene

Concen: 21.159 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN059189.D

Acq: 12 Nov 2019 14:45

Instrument :

MSVOA_N

ClientSampleId :

VN1112MBSD01

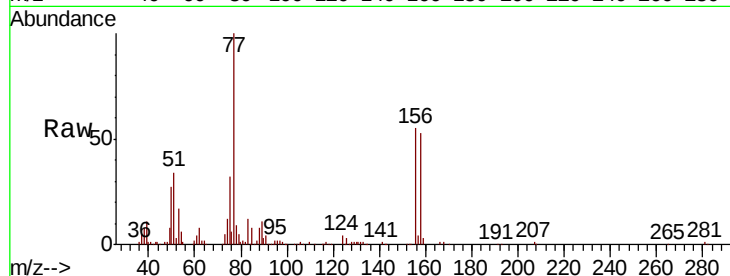
Tot Ion:156 Resp: 109872

Ion Ratio Lower Upper

156 100

77 216.7 112.8 338.3

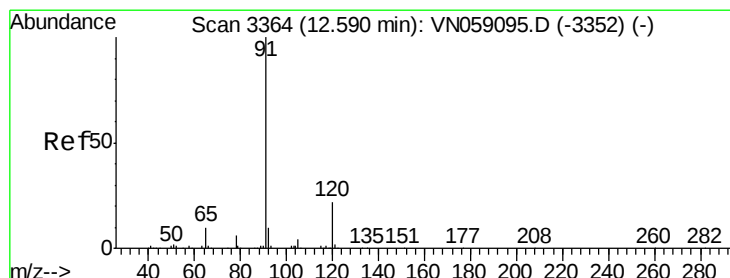
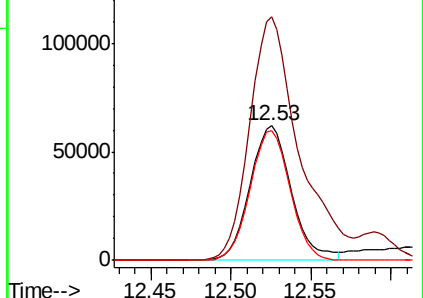
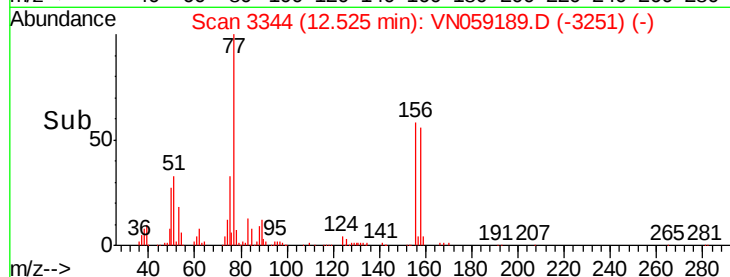
158 92.7 48.4 145.3



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: 21.147 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN059189.D

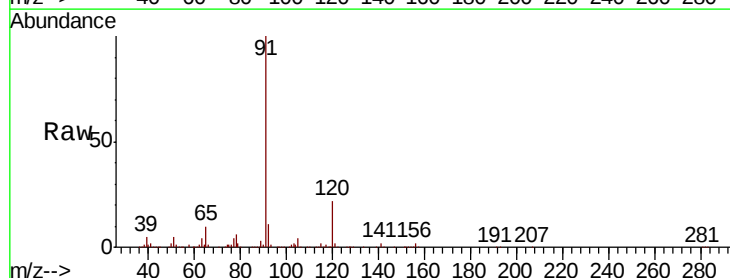
Acq: 12 Nov 2019 14:45

Tgt Ion: 91 Resp: 500457

Ion Ratio Lower Upper

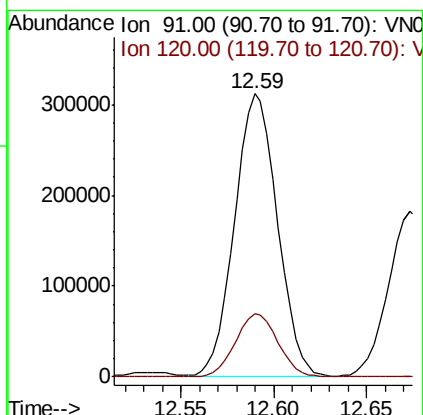
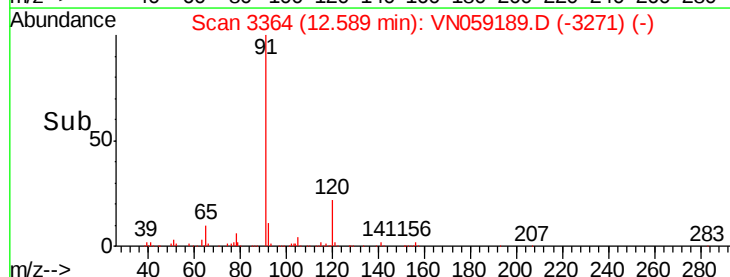
91 100

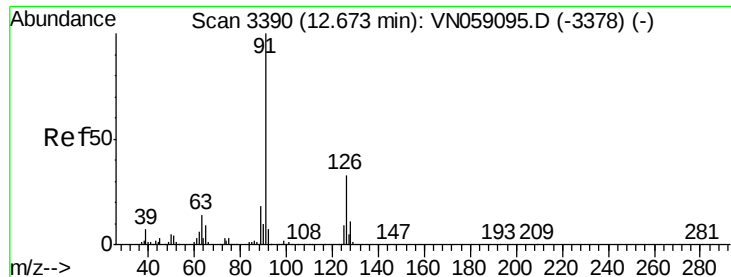
120 22.1 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.501 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN059189.D

Acq: 12 Nov 2019 14:45

Instrument :

MSVOA_N

ClientSampleId :

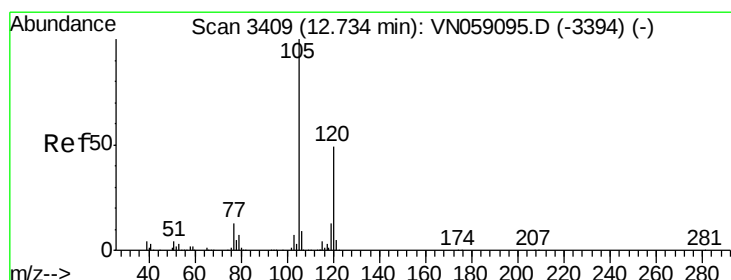
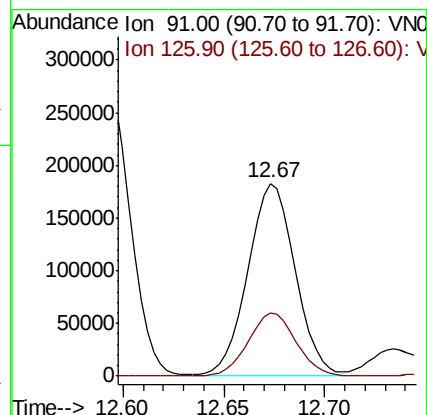
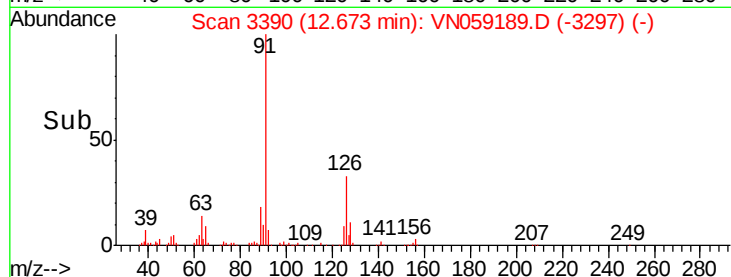
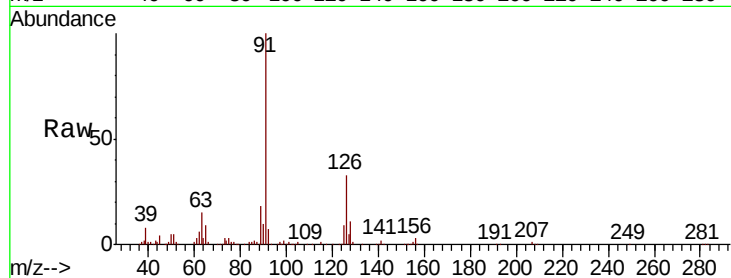
VN1112MBSD01

Tot Ion: 91 Resp: 300965

Ion Ratio Lower Upper

91 100

126 33.2 16.7 50.1



#80

1,3,5-Trimethylbenzene

Concen: 20.733 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. -0.00 min

Lab File: VN059189.D

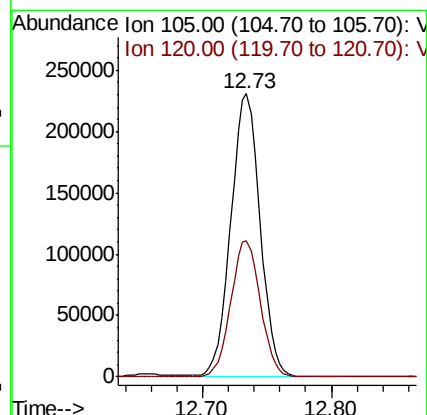
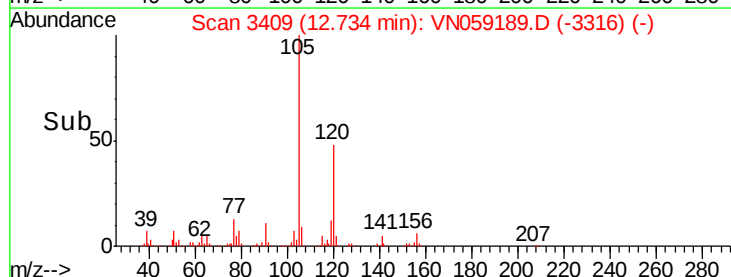
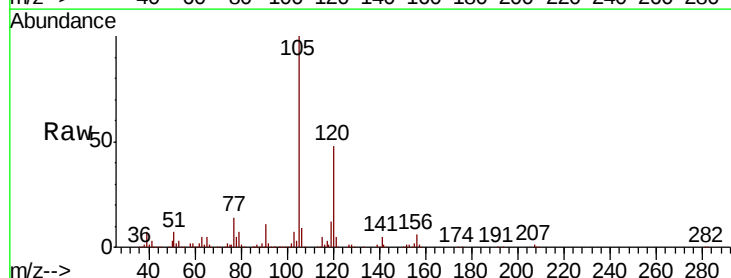
Acq: 12 Nov 2019 14:45

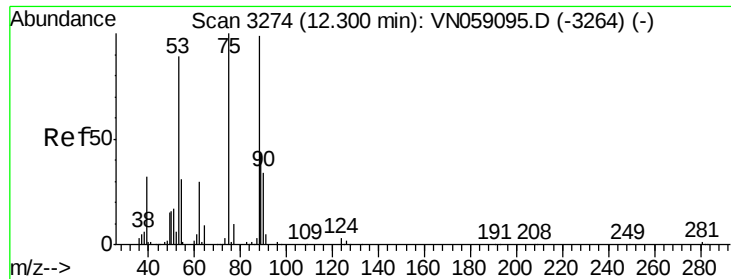
Tgt Ion: 105 Resp: 363099

Ion Ratio Lower Upper

105 100

120 48.6 24.0 72.0





#81

trans-1,4-Dichloro-2-butene

Concen: 20.160 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN059189.D

Acq: 12 Nov 2019 14:45

Instrument :

MSVOA_N

ClientSampleId :

VN1112MBSD01

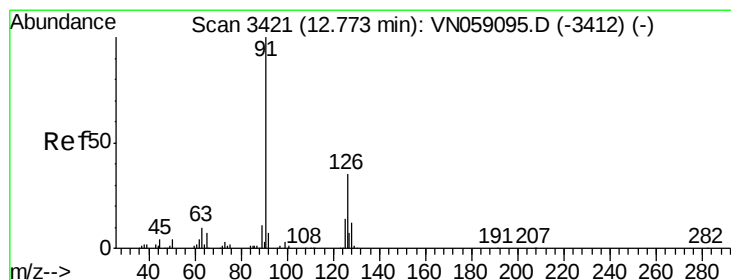
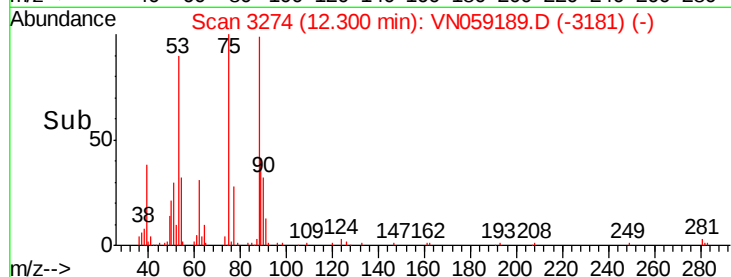
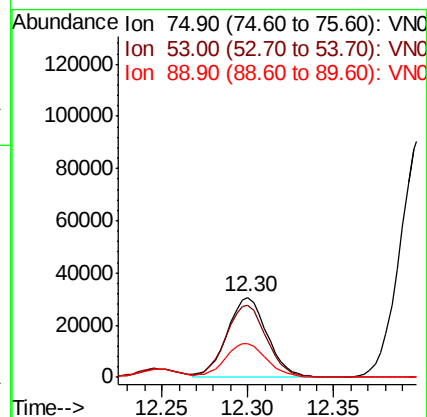
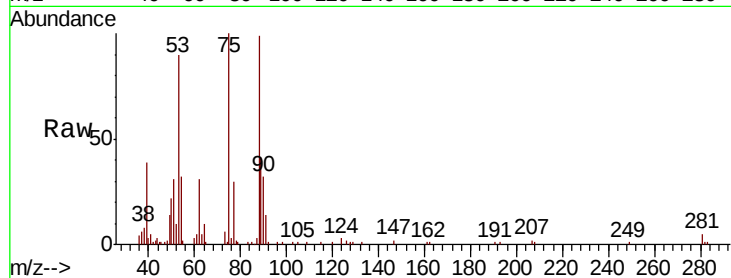
Tot Ion: 75 Resp: 49374

Ion Ratio Lower Upper

75 100

53 92.9 72.2 108.2

89 43.9 35.8 53.8



#82

4-Chlorotoluene

Concen: 20.493 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN059189.D

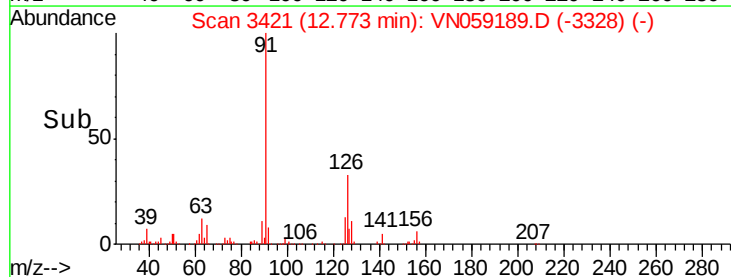
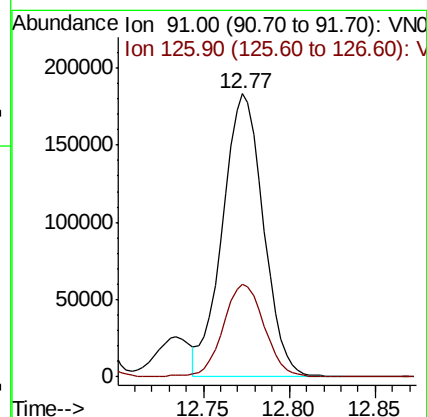
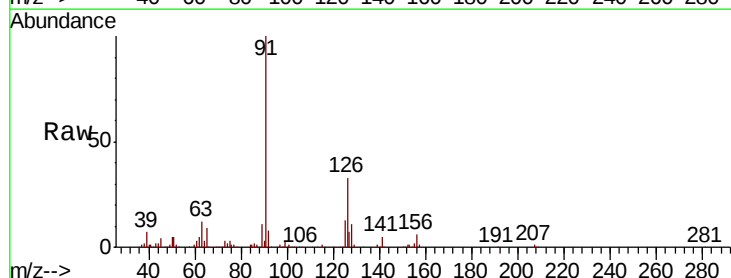
Acq: 12 Nov 2019 14:45

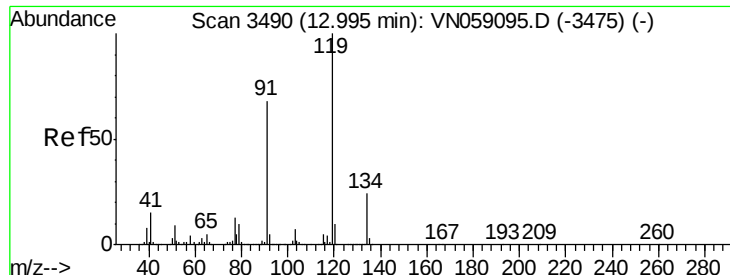
Tgt Ion: 91 Resp: 301749

Ion Ratio Lower Upper

91 100

126 32.7 16.1 48.2

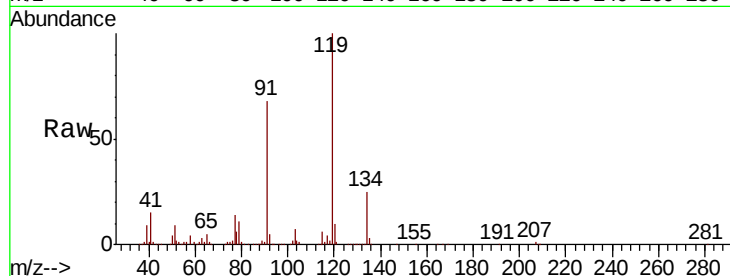




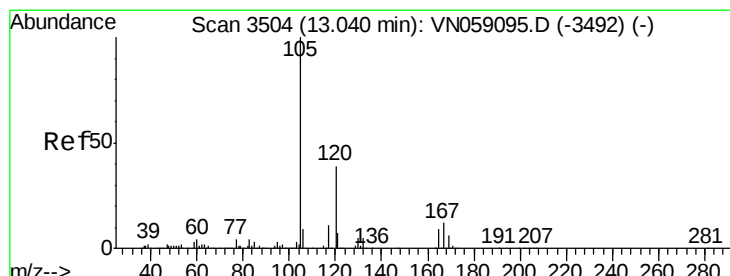
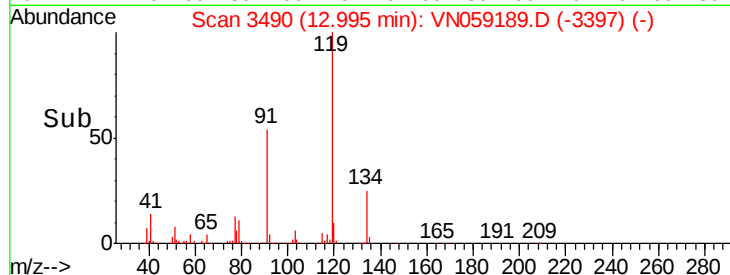
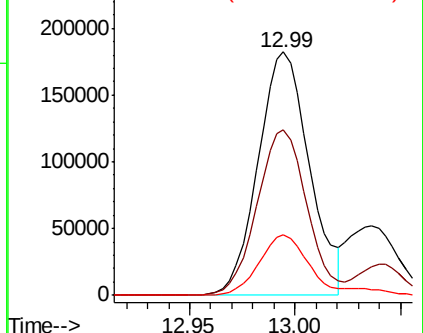
#83
tert-Butylbenzene
Concen: 20.418 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. -0.00 min
Lab File: VN059189.D
Acq: 12 Nov 2019 14:45

Instrument :
MSVOA_N
ClientSampleId :
VN1112MBSD01

Tot Ion:119 Resp: 308812
Ion Ratio Lower Upper
119 100
91 66.1 33.2 99.6
134 23.8 12.7 38.1

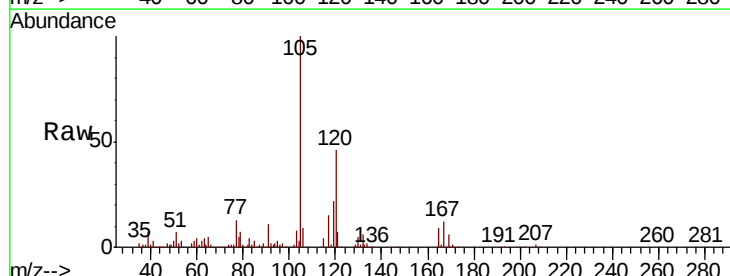


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

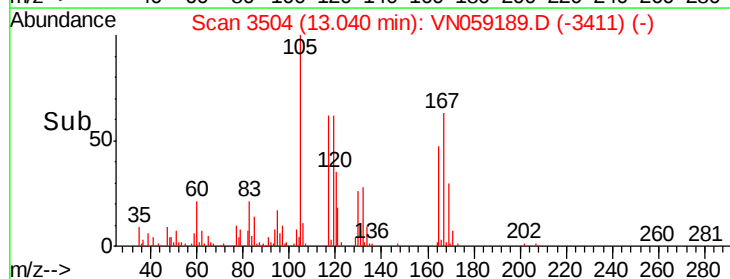
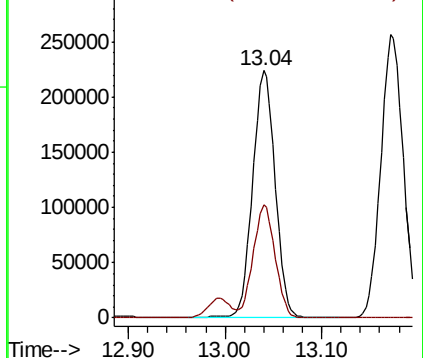


#84
1,2,4-Trimethylbenzene
Concen: 21.416 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. -0.00 min
Lab File: VN059189.D
Acq: 12 Nov 2019 14:45

Tgt Ion:105 Resp: 362882
Ion Ratio Lower Upper
105 100
120 44.2 22.8 68.4



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





#85

sec-Butylbenzene

Concen: 20.872 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN059189.D

Acq: 12 Nov 2019 14:45

Instrument :

MSVOA_N

ClientSampleId :

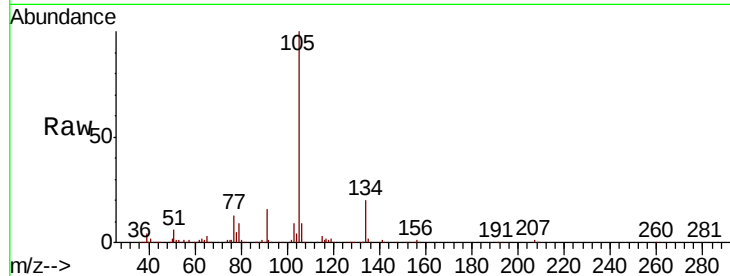
VN1112MBSD01

Tot Ion:105 Resp: 410552

Ion Ratio Lower Upper

105 100

134 19.6 9.7 29.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

250000

200000

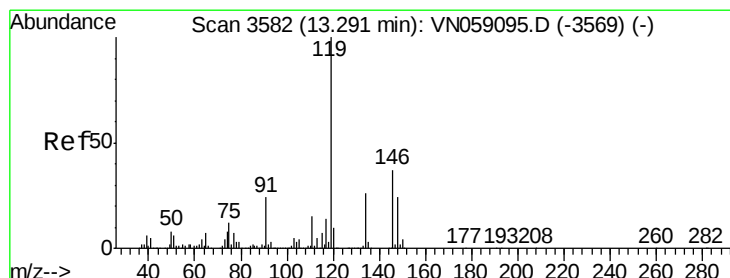
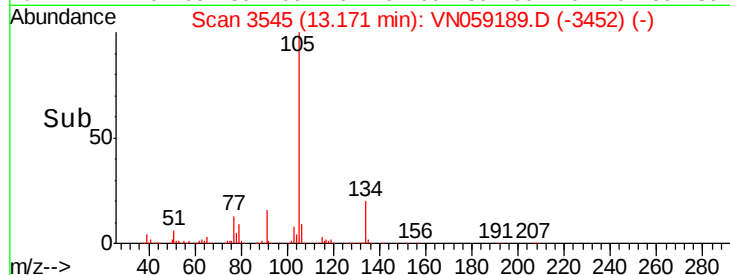
150000

100000

50000

0

Time-->



#86

p-Isopropyltoluene

Concen: 21.419 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. -0.00 min

Lab File: VN059189.D

Acq: 12 Nov 2019 14:45

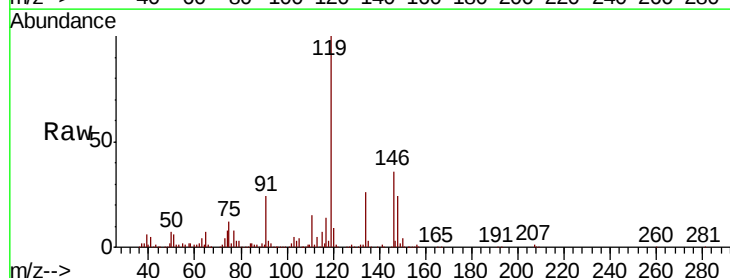
Tgt Ion:119 Resp: 371994

Ion Ratio Lower Upper

119 100

134 26.4 13.0 38.9

91 23.4 11.7 35.1



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

13.29

300000

250000

200000

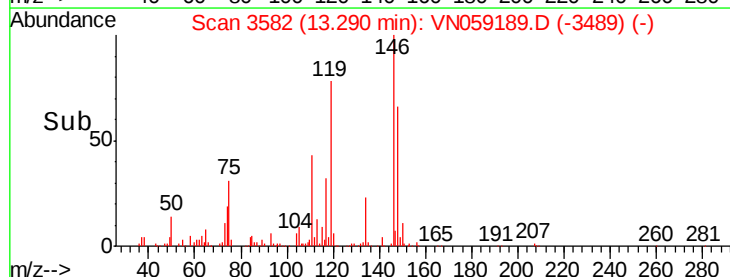
150000

100000

50000

0

Time-->





#87

1,3-Dichlorobenzene

Concen: 19.997 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. -0.00 min

Lab File: VN059189.D

Acq: 12 Nov 2019 14:45

Instrument :

MSVOA_N

ClientSampleId :

VN1112MBSD01

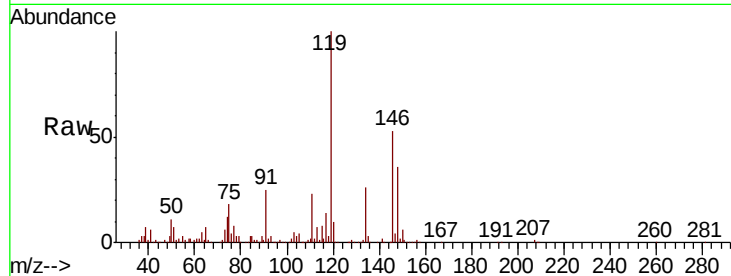
Tot Ion:146 Resp: 177812

Ion Ratio Lower Upper

146 100

111 42.2 20.4 61.3

148 66.0 32.2 96.6

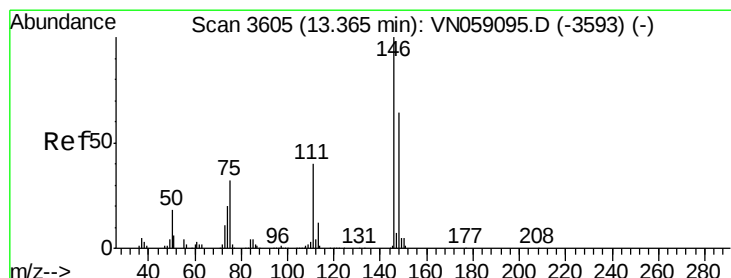
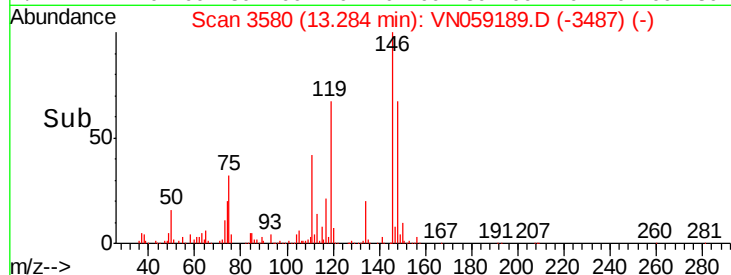
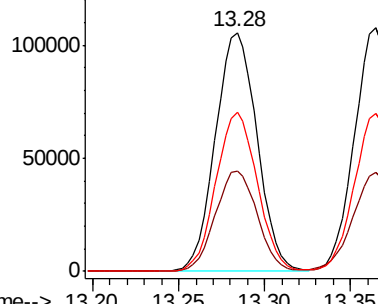


Abundance

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: 20.137 ug/l

RT: 13.36 min Scan# 3605

Delta R.T. -0.00 min

Lab File: VN059189.D

Acq: 12 Nov 2019 14:45

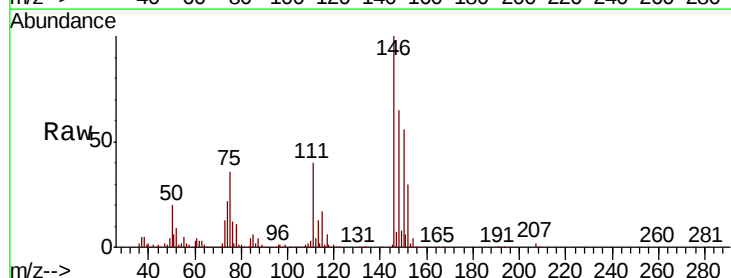
Tgt Ion:146 Resp: 179153

Ion Ratio Lower Upper

146 100

111 41.9 20.3 60.9

148 64.9 31.9 95.7

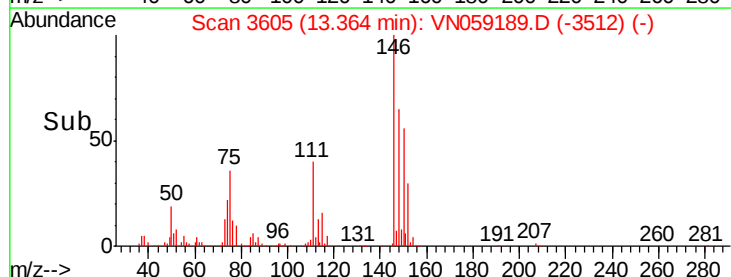
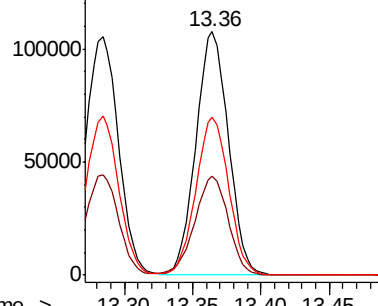


Abundance

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

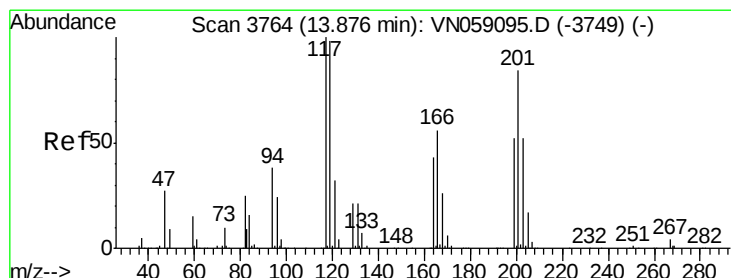
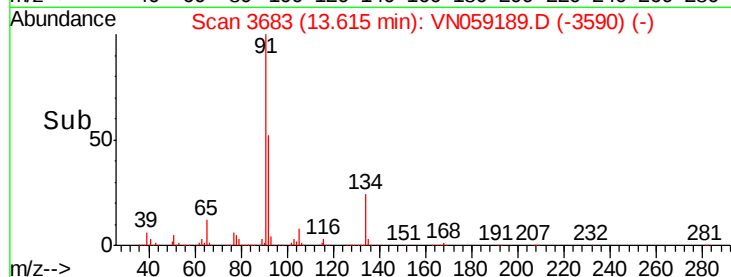
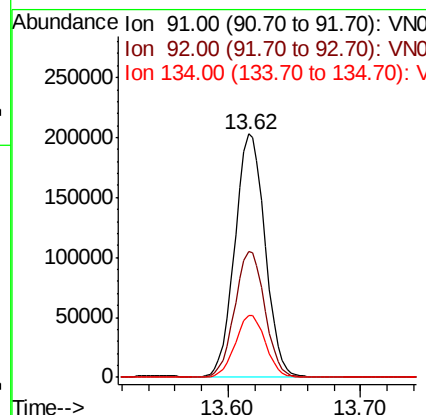
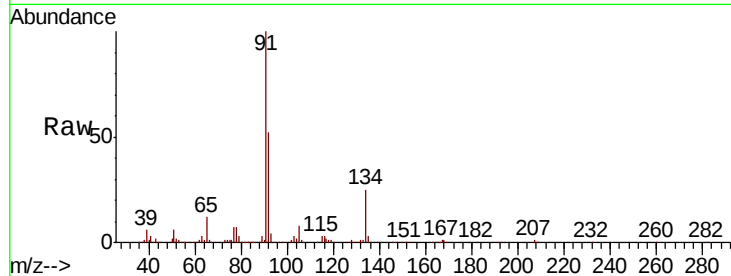




#89
n-Butylbenzene
Concen: 20.995 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. -0.00 min
Lab File: VN059189.D
Acq: 12 Nov 2019 14:45

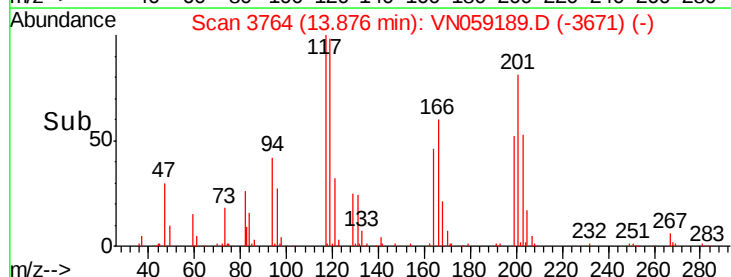
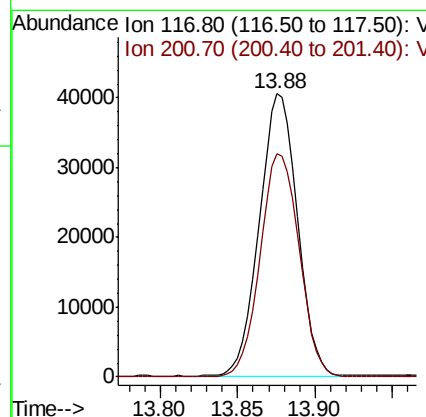
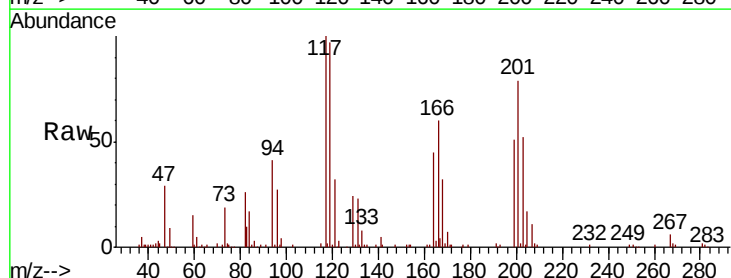
Instrument :
MSVOA_N
ClientSampleId :
VN1112MBS01

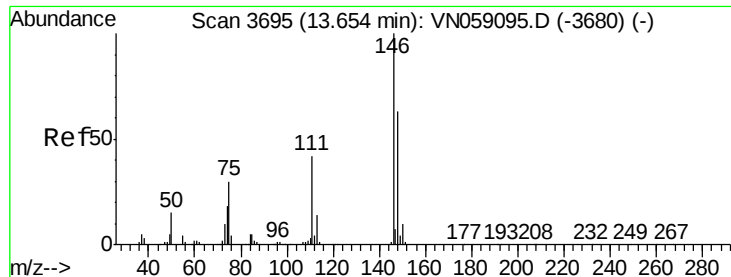
Tot Ion: 91 Resp: 319136
Ion Ratio Lower Upper
91 100
92 52.1 26.1 78.3
134 25.6 12.6 37.8



#90
Hexachloroethane
Concen: 20.069 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. -0.00 min
Lab File: VN059189.D
Acq: 12 Nov 2019 14:45

Tgt Ion: 117 Resp: 69989
Ion Ratio Lower Upper
117 100
201 80.4 41.8 125.3

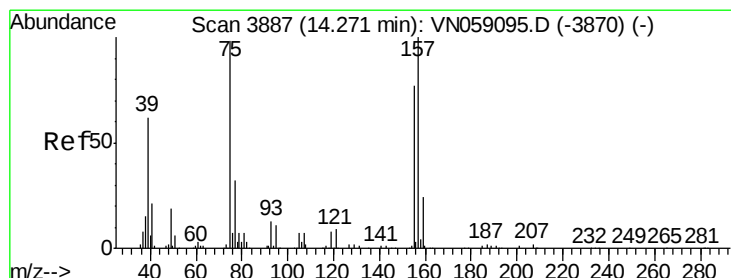
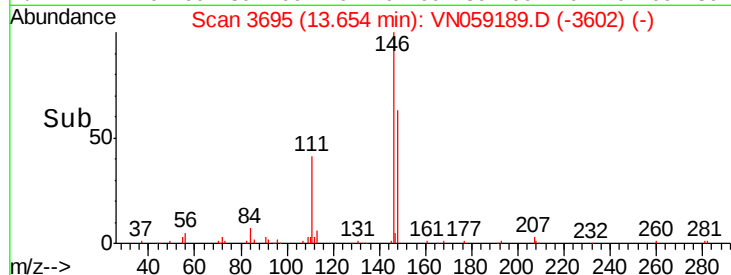
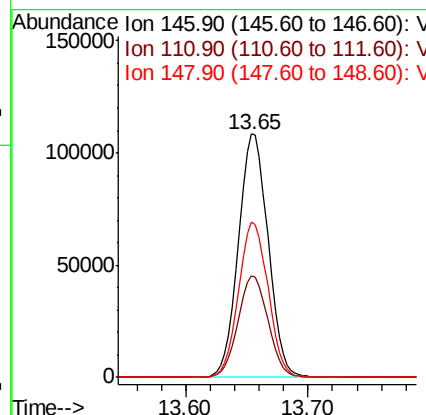
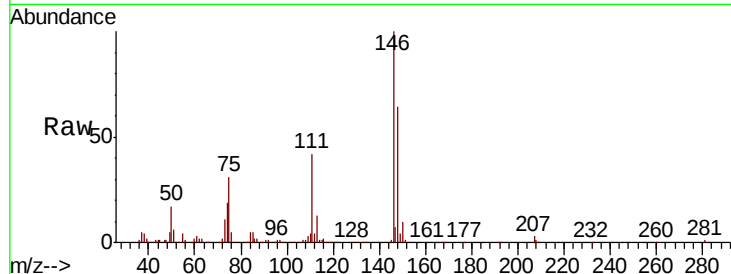




#91
 1,2-Dichlorobenzene
 Concen: 20.944 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. -0.00 min
 Lab File: VN059189.D
 Acq: 12 Nov 2019 14:45

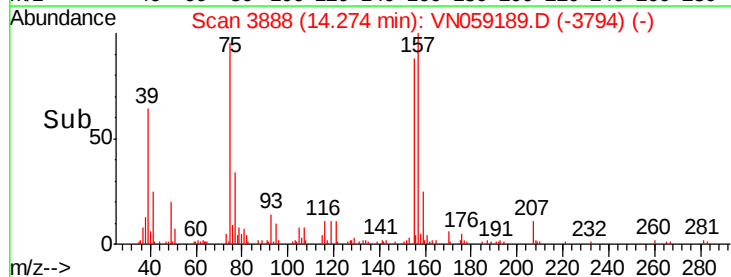
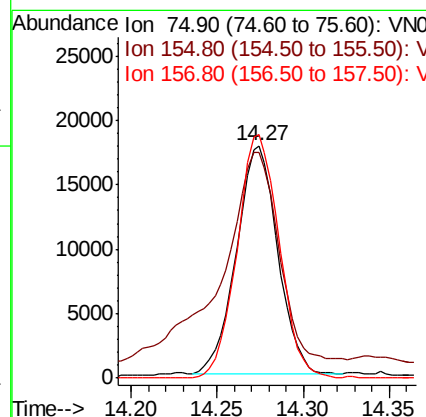
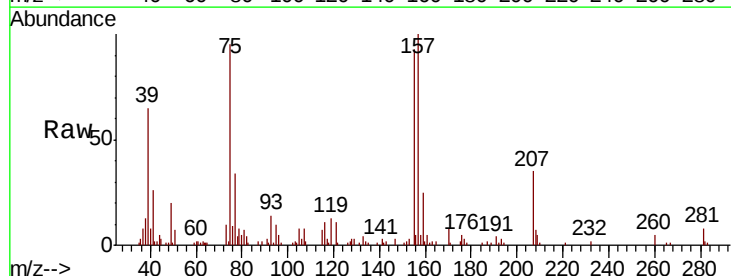
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1112MBSD01

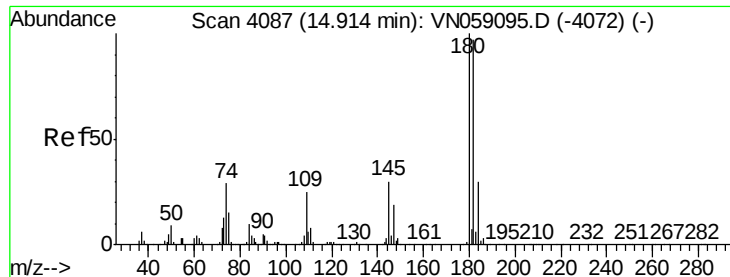
Tot Ion	Ratio	Lower	Upper
146	100		
111	42.1	21.2	63.6
148	63.7	31.6	94.7



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.971 ug/l
 RT: 14.27 min Scan# 3888
 Delta R.T. 0.00 min
 Lab File: VN059189.D
 Acq: 12 Nov 2019 14:45

Tgt Ion	Ratio	Lower	Upper
75	100		
155	156.8	40.2	120.6#
157	109.1	51.8	155.5





#93

1,2,4-Trichlorobenzene

Concen: 21.506 ug/l

RT: 14.91 min Scan# 4087

Delta R.T. 0.00 min

Lab File: VN059189.D

Acq: 12 Nov 2019 14:45

Instrument :

MSVOA_N

ClientSampleId :

VN1112MBSD01

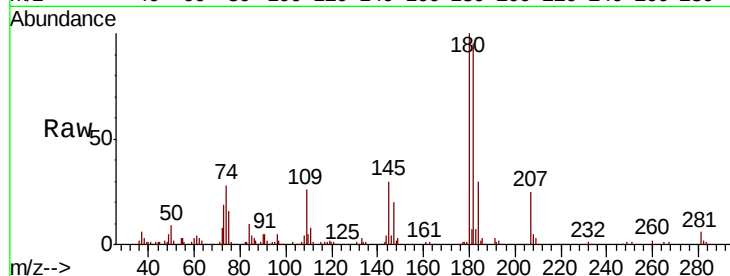
Tot Ion:180 Resp: 104324

Ion Ratio Lower Upper

180 100

182 94.3 48.1 144.3

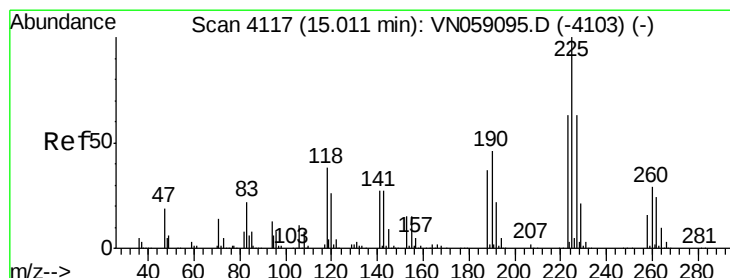
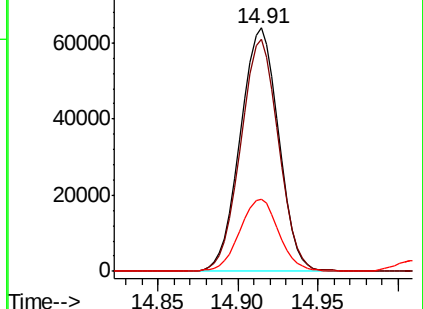
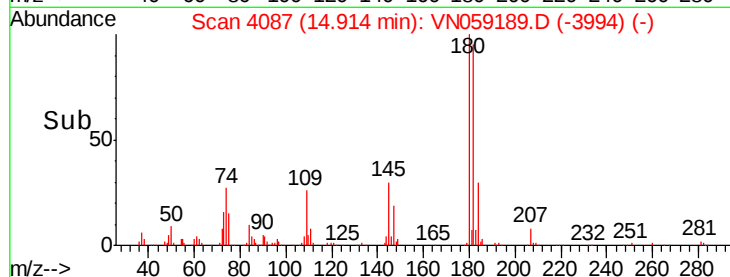
145 30.3 15.1 45.3



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: 19.846 ug/l

RT: 15.01 min Scan# 4117

Delta R.T. -0.00 min

Lab File: VN059189.D

Acq: 12 Nov 2019 14:45

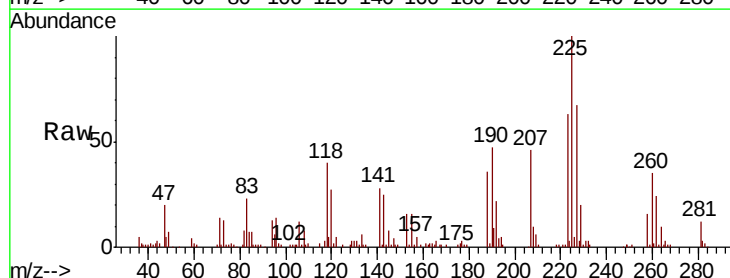
Tgt Ion:225 Resp: 59857

Ion Ratio Lower Upper

225 100

223 62.8 31.3 93.9

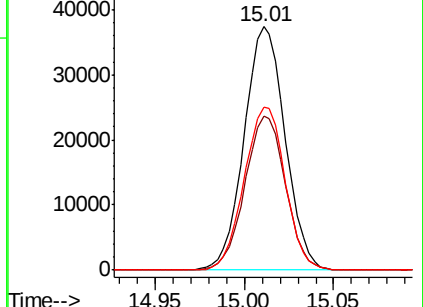
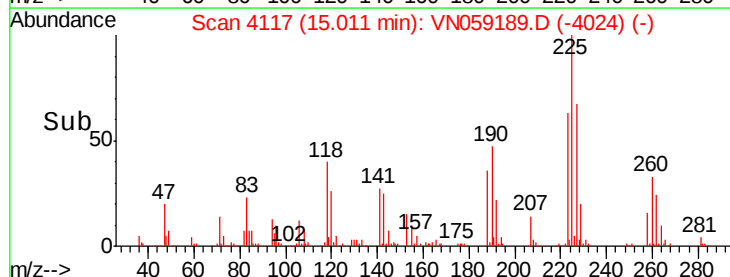
227 66.9 31.5 94.5

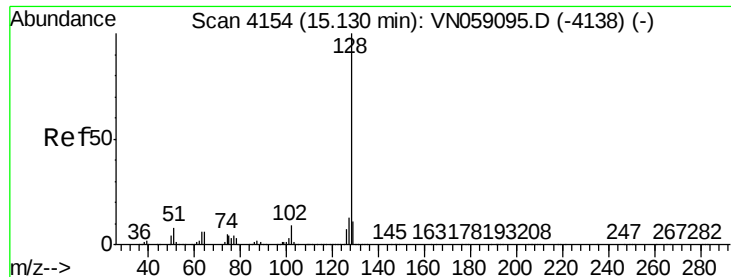


Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 36.564 ug/l

RT: 15.13 min Scan# 4153

Delta R.T. -0.00 min

Lab File: VN059189.D

Acq: 12 Nov 2019 14:45

Instrument :

MSVOA_N

ClientSampleId :

VN1112MBSD01

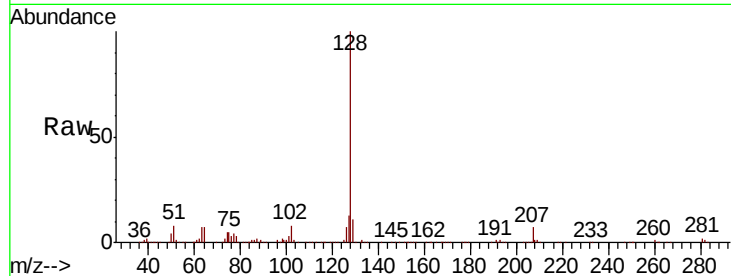
Tot Ion:128 Resp: 525533

Ion Ratio Lower Upper

128 100

127 12.9 10.2 15.2

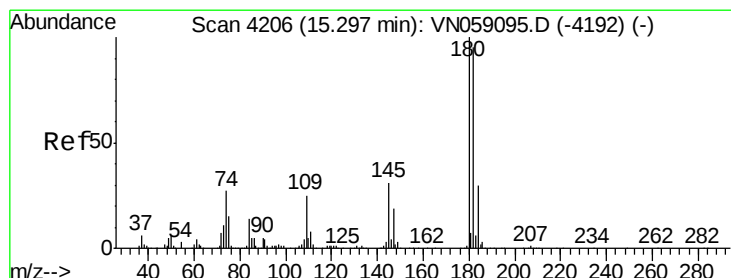
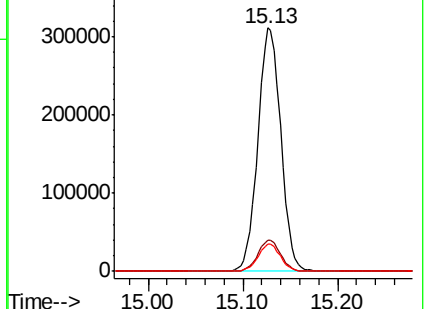
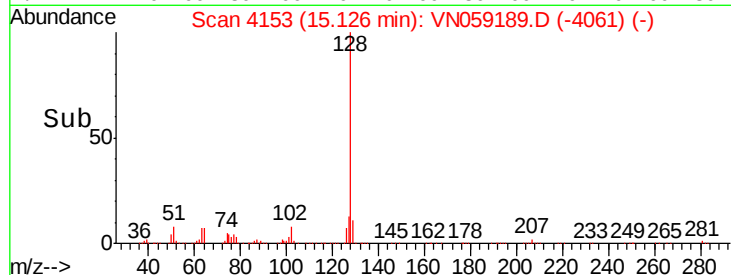
129 10.9 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 21.596 ug/l

RT: 15.30 min Scan# 4206

Delta R.T. -0.00 min

Lab File: VN059189.D

Acq: 12 Nov 2019 14:45

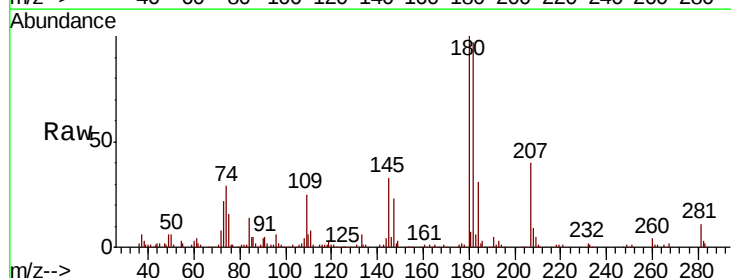
Tgt Ion:180 Resp: 105868

Ion Ratio Lower Upper

180 100

182 97.7 47.3 141.8

145 33.0 15.8 47.3



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

