

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 :

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

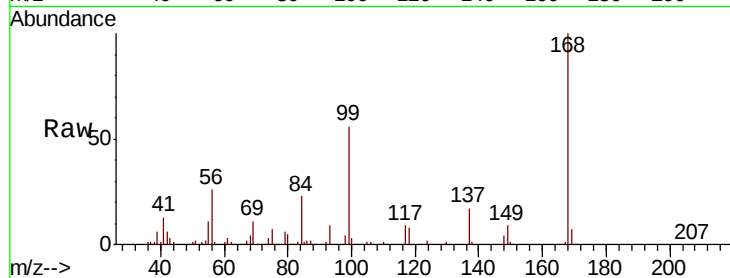
ClientSampleId :

Tot Ion:168 Resp: 422303

Ion Ratio Lower Upper

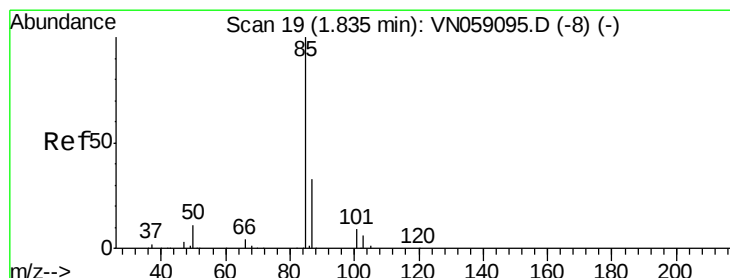
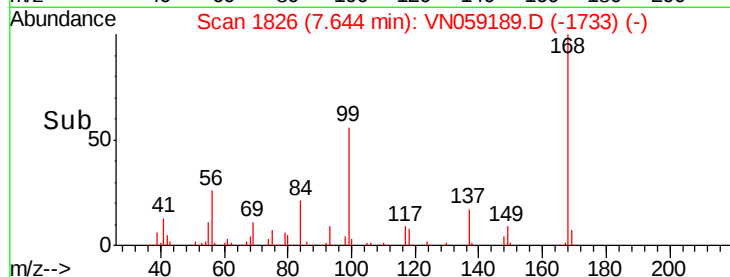
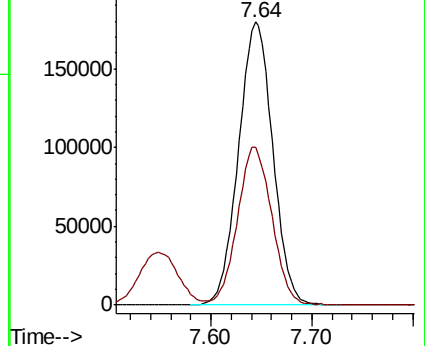
168 100

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): VNO



#2

Dichlorodifluoromethane

Concen: 19.159 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN059189.D

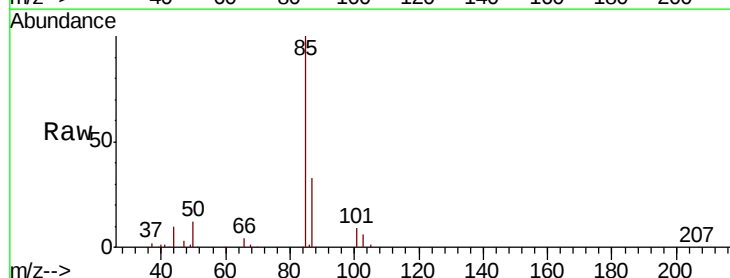
Acq: 12 Nov 2019 14:45

Tgt Ion: 85 Resp: 81521

Ion Ratio Lower Upper

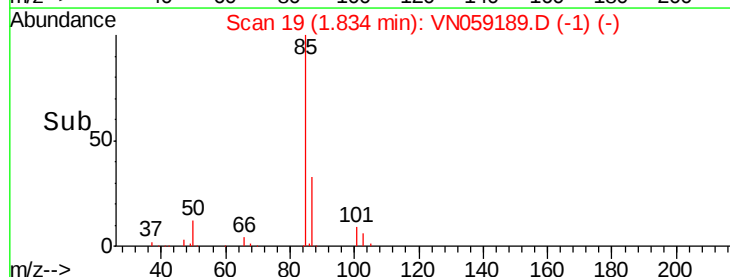
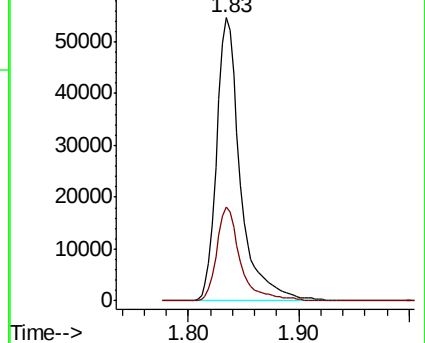
85 100

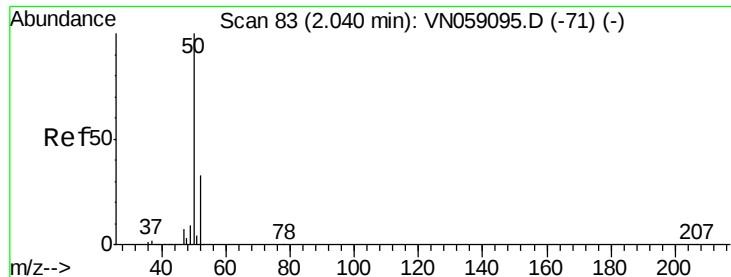
87 33.0 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#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

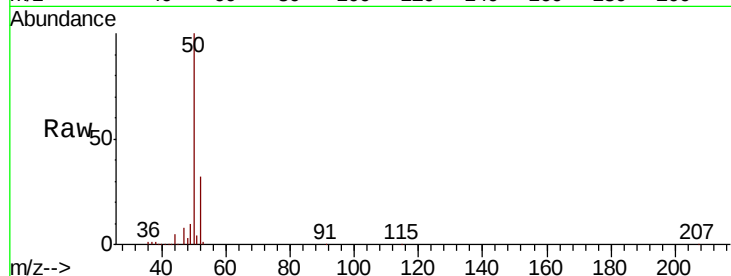
ClientSampleId :

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): VNO

Ion 51.90 (51.60 to 52.60): VNO

2.04

80000

60000

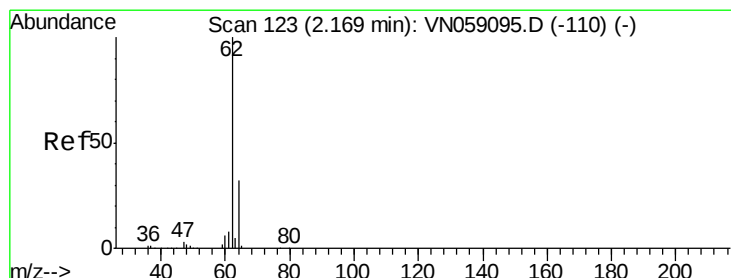
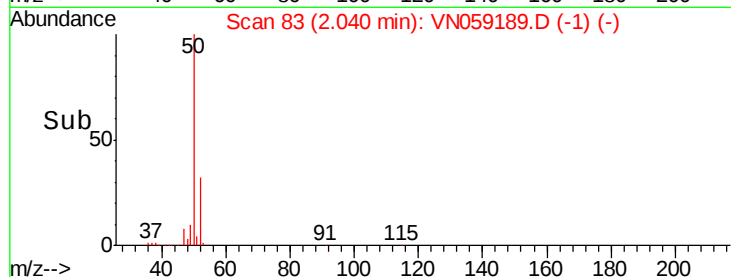
40000

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

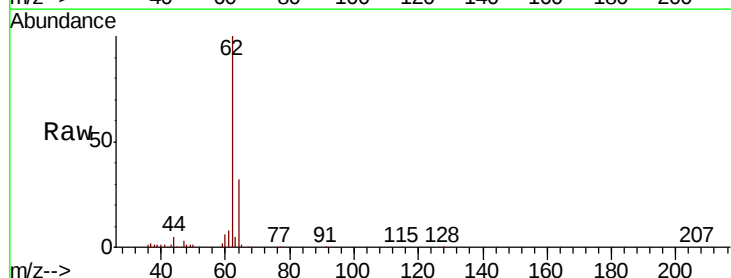
Acq: 12 Nov 2019 14:45

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): VNO

Ion 63.90 (63.60 to 64.60): VNO

2.17

80000

60000

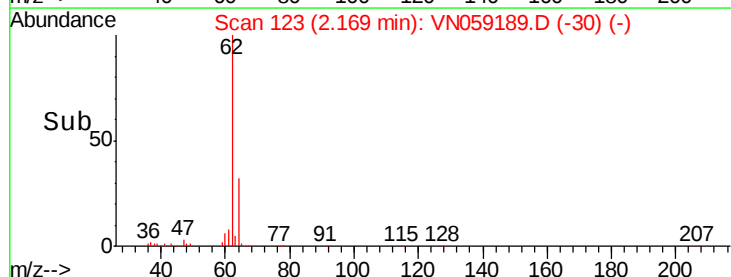
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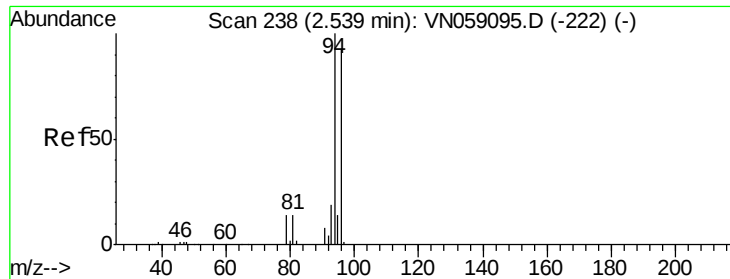
20000

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

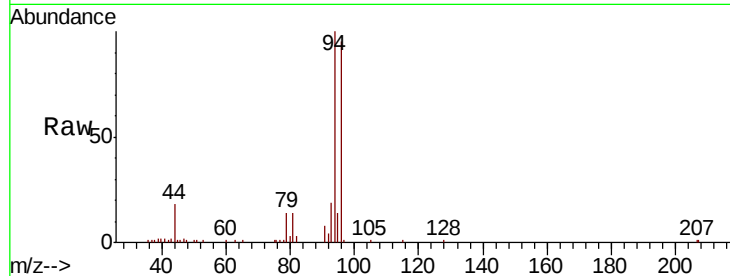
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 94 Resp: 64276

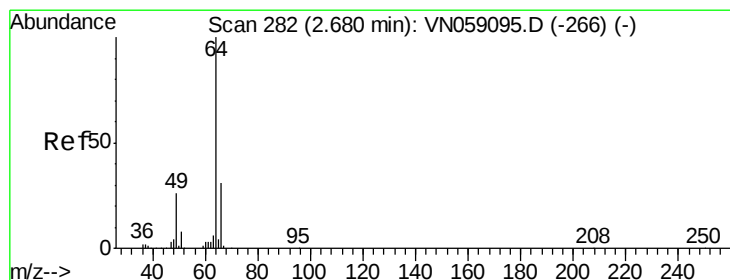
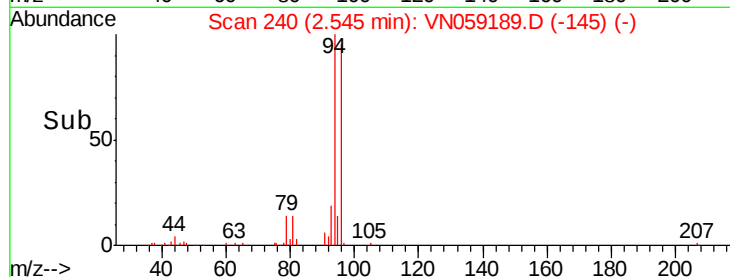
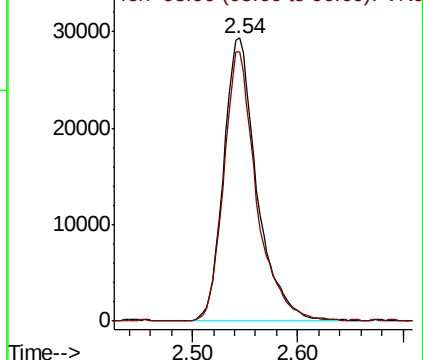
Ion Ratio Lower Upper

94 100

96 95.1 74.2 111.2



Abundance Ion 93.90 (93.60 to 94.60): VN0
Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 19.765 ug/l

RT: 2.68 min Scan# 283

Delta R.T. 0.00 min

Lab File: VN059189.D

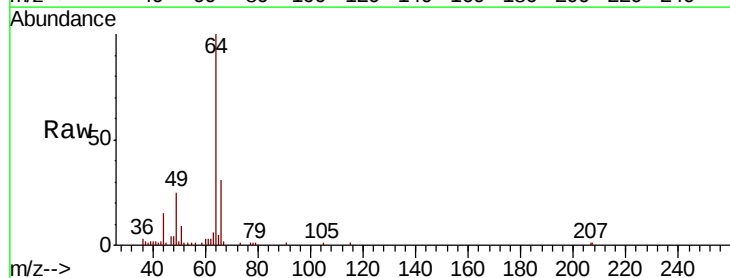
Acq: 12 Nov 2019 14:45

Tgt Ion: 64 Resp: 65562

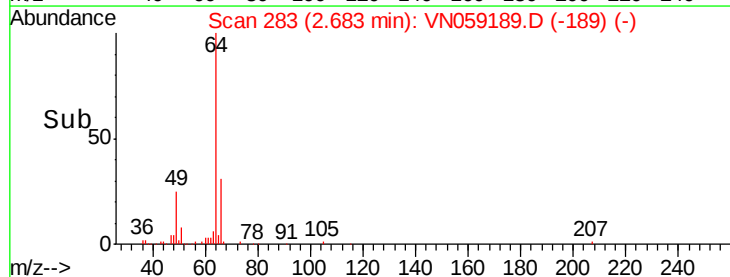
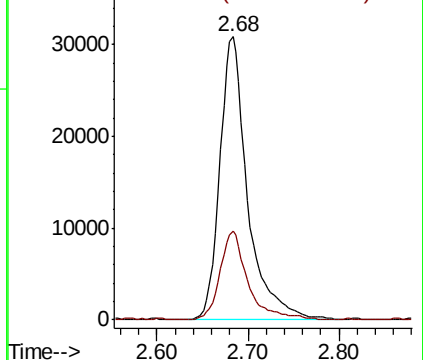
Ion Ratio Lower Upper

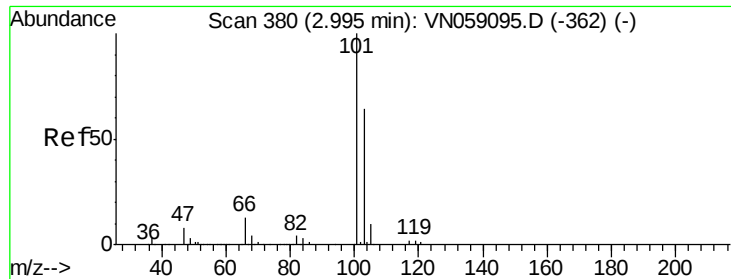
64 100

66 31.4 25.2 37.8



Abundance Ion 63.90 (63.60 to 64.60): VN0
Ion 65.90 (65.60 to 66.60): VN0



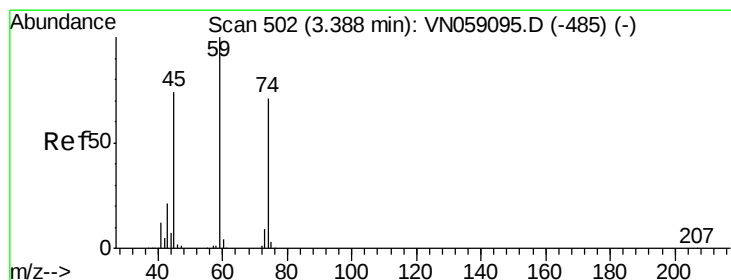
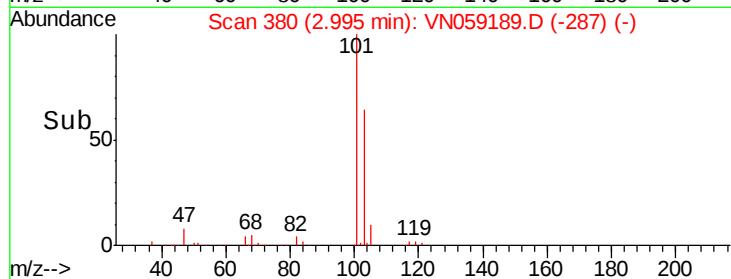
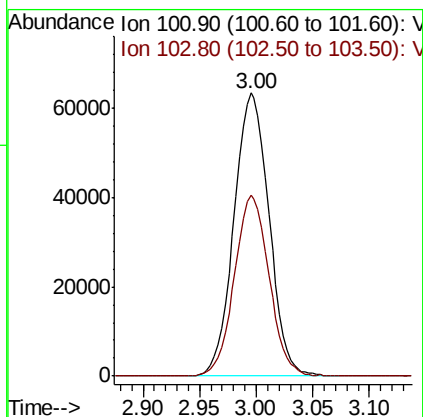
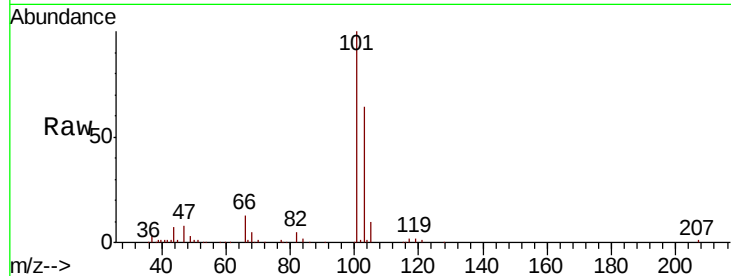


#7

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
 ClientSampled :

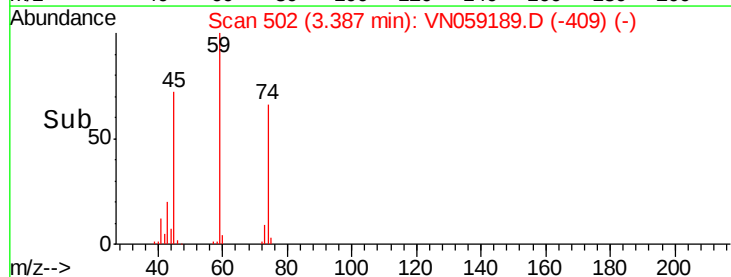
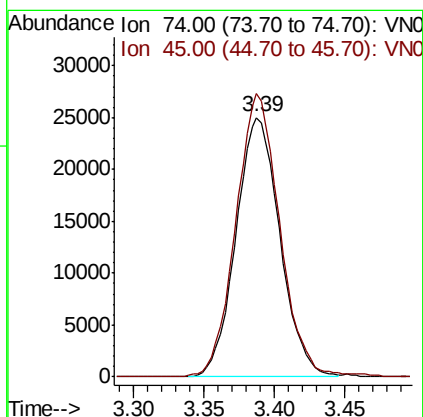
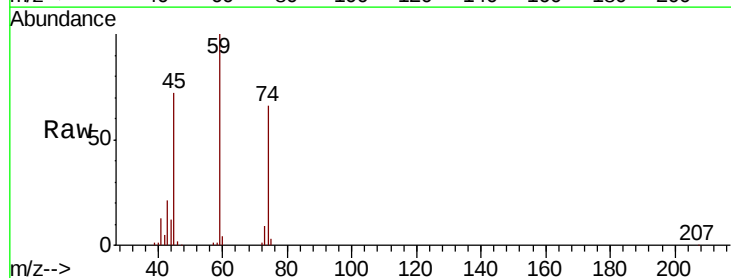
Tot Ion:101 Resp: 136731
 Ion Ratio Lower Upper
 101 100
 103 63.9 51.2 76.8

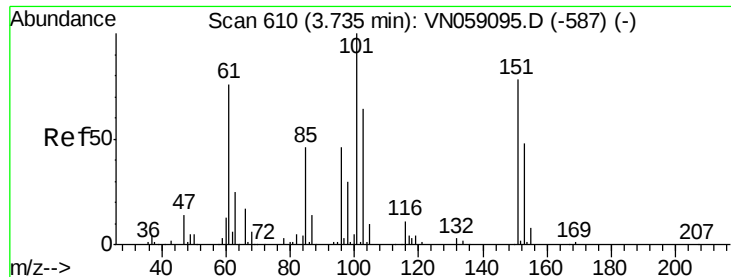


#8

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 :

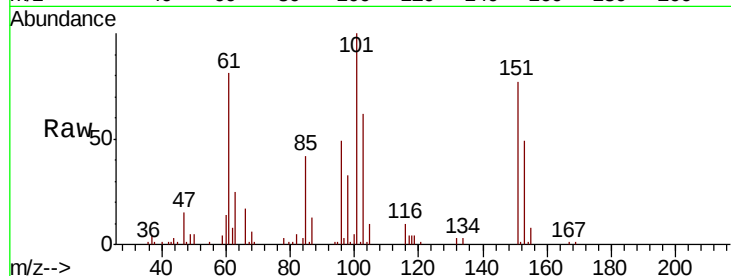
Tot Ion:101 Resp: 83141

Ion Ratio Lower Upper

101 100

85 43.3 35.5 53.3

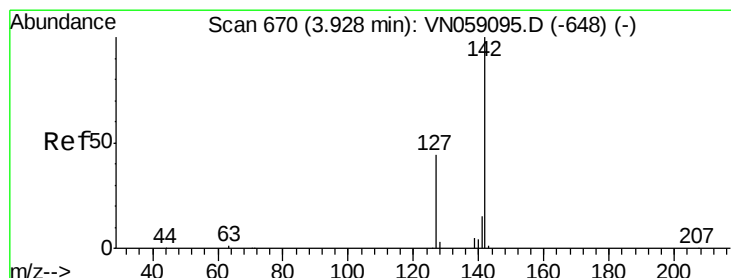
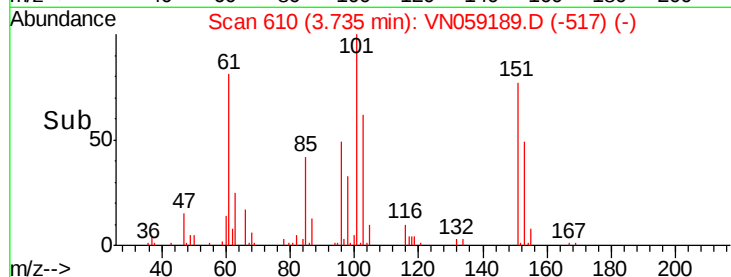
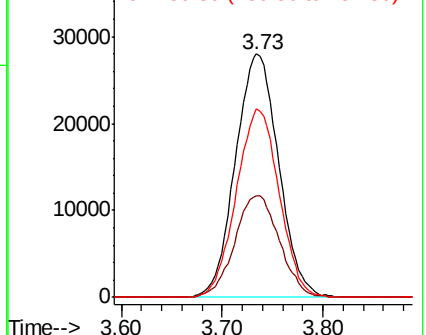
151 76.8 62.2 93.2



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

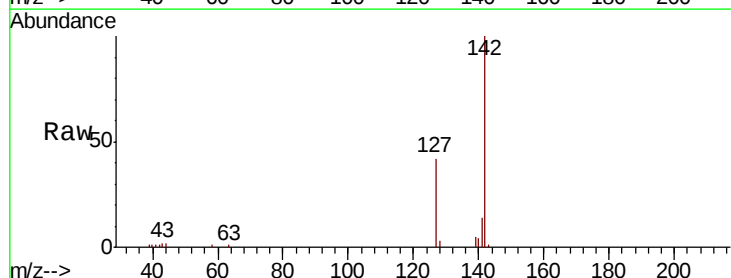
Tgt Ion:142 Resp: 99150

Ion Ratio Lower Upper

142 100

127 41.8 34.2 51.2

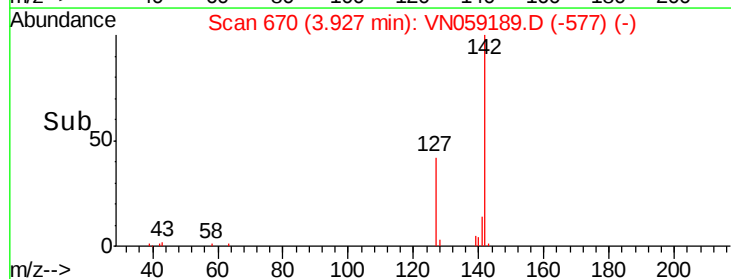
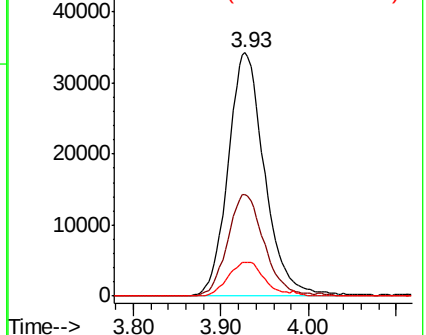
141 13.7 11.4 17.0

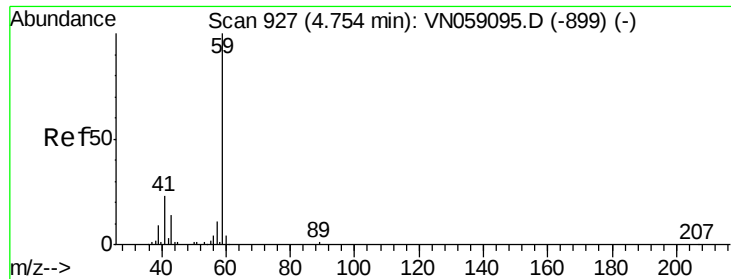


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



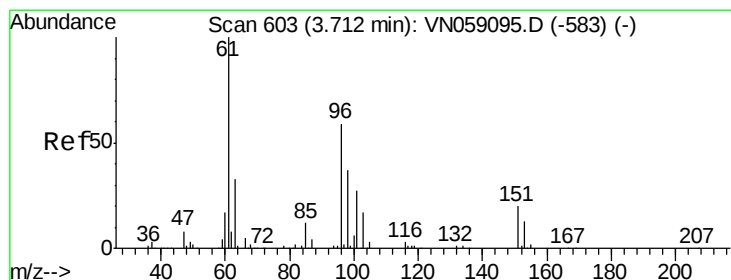
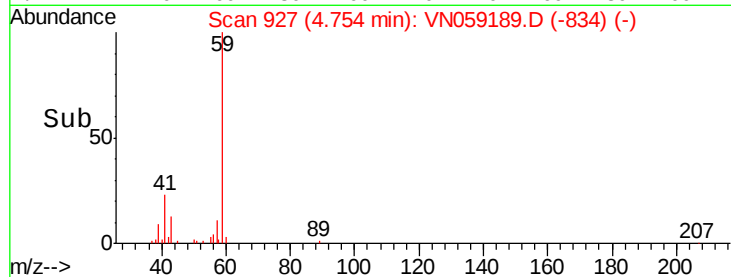
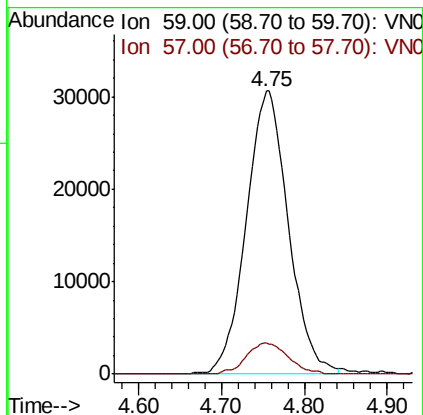
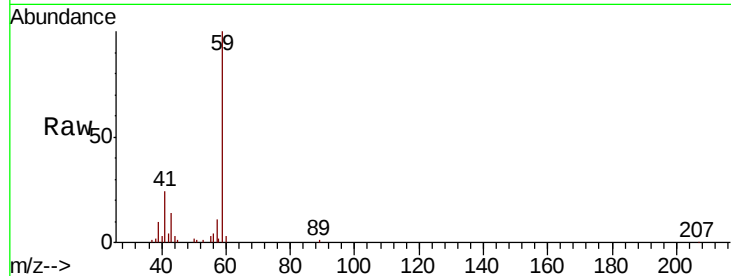


#11

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 :

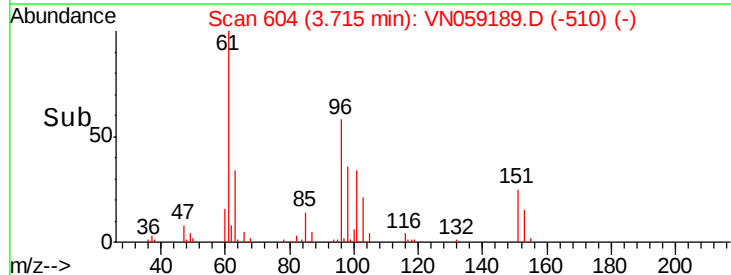
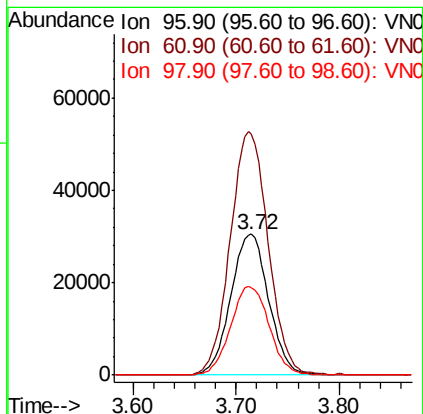
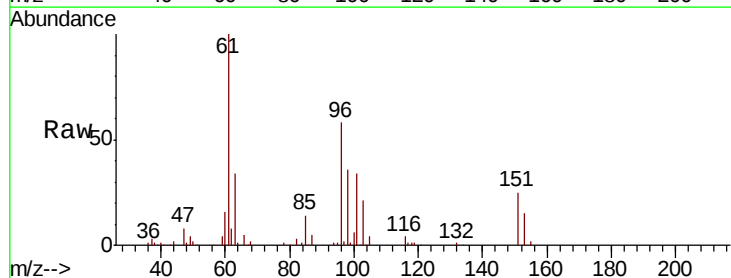
Tot Ion: 59 Resp: 108192
Ion Ratio Lower Upper
59 100
57 11.1 8.3 12.5

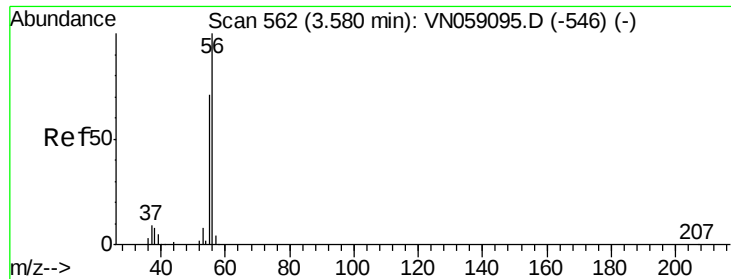


#12

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

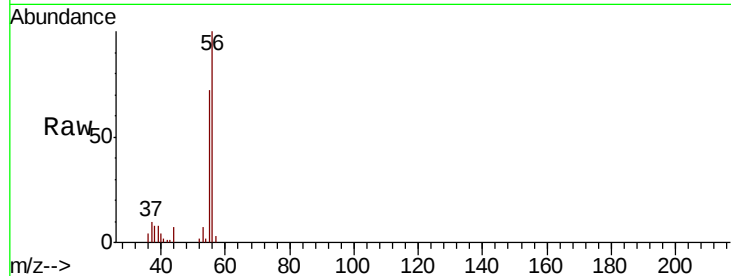
ClientSampleId :

Tot Ion: 56 Resp: 38488

Ion Ratio Lower Upper

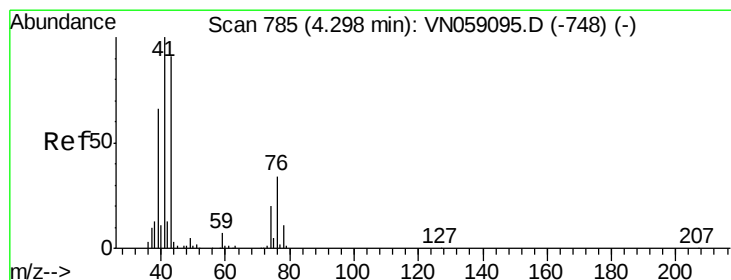
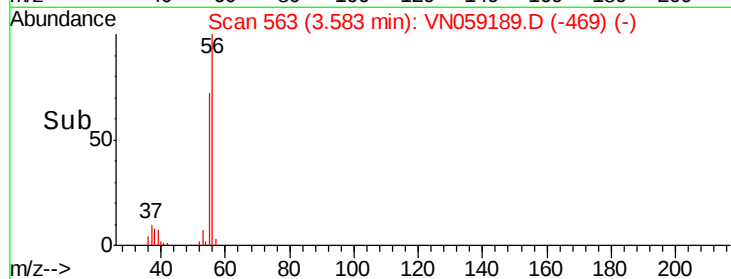
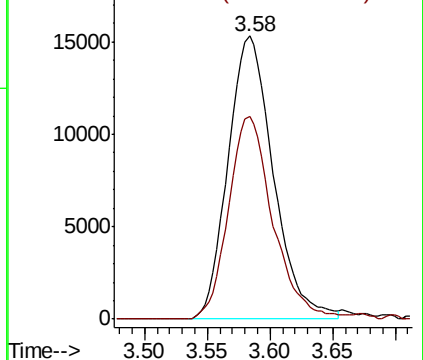
56 100

55 69.9 56.4 84.6



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#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

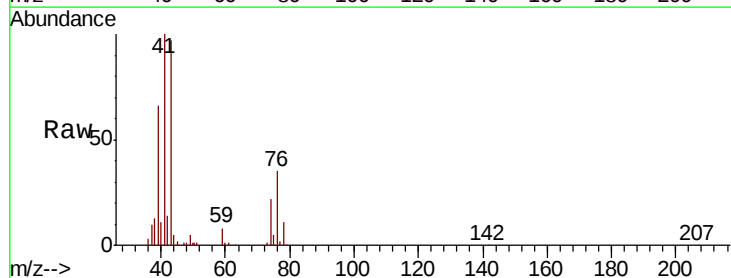
Tgt Ion: 41 Resp: 159658

Ion Ratio Lower Upper

41 100

39 61.2 49.1 73.7

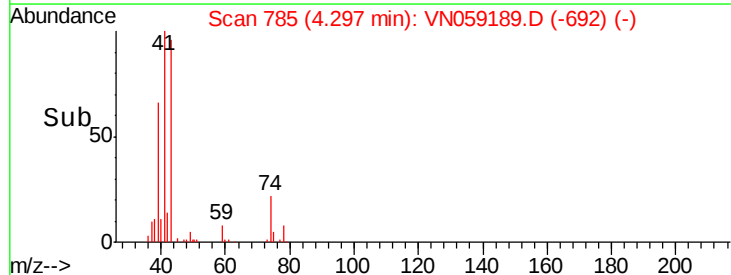
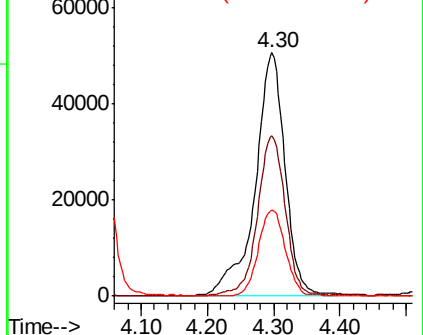
76 31.9 24.9 37.3

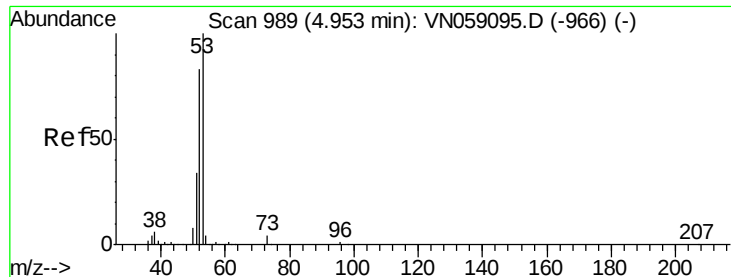


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 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 :

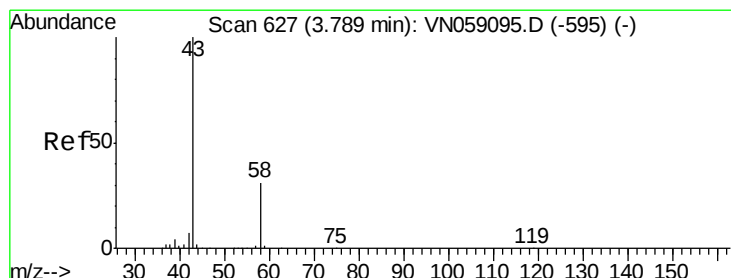
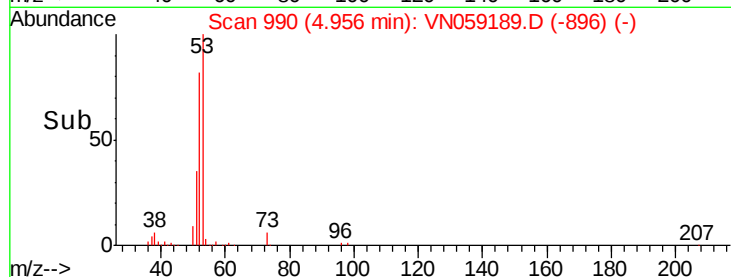
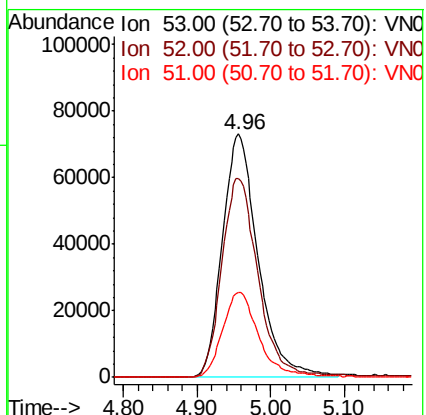
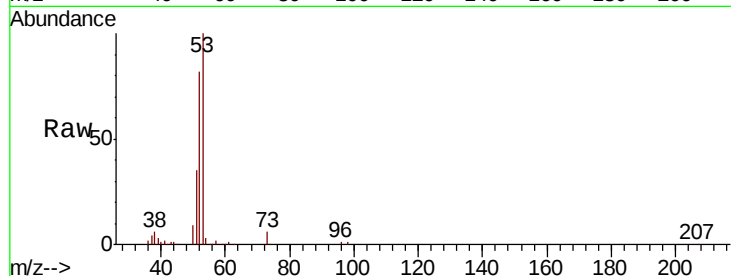
Tot Ion: 53 Resp: 246361

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

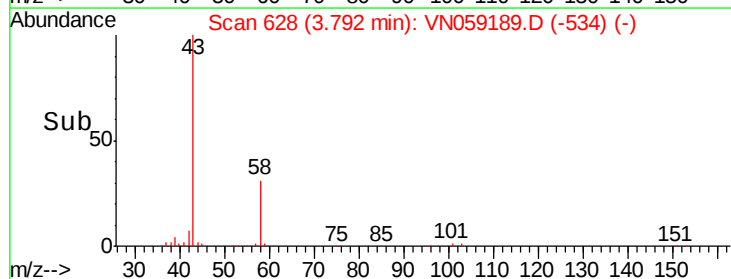
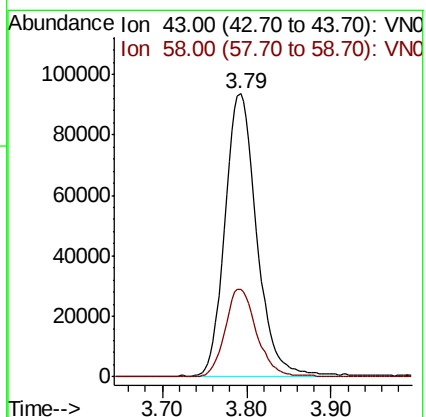
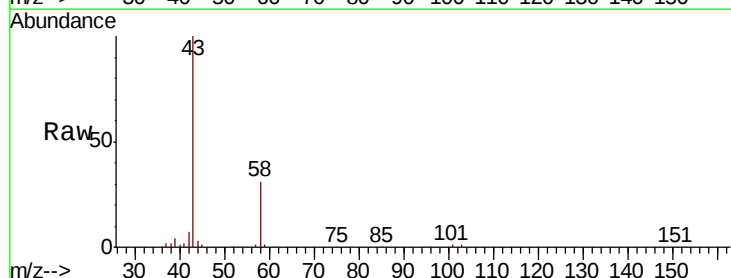
Acq: 12 Nov 2019 14:45

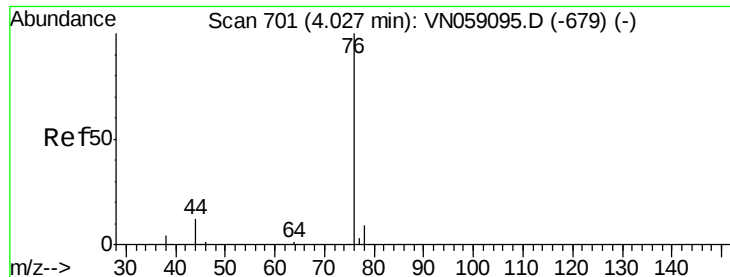
Tgt Ion: 43 Resp: 243357

Ion Ratio Lower Upper

43 100

58 31.1 24.9 37.3

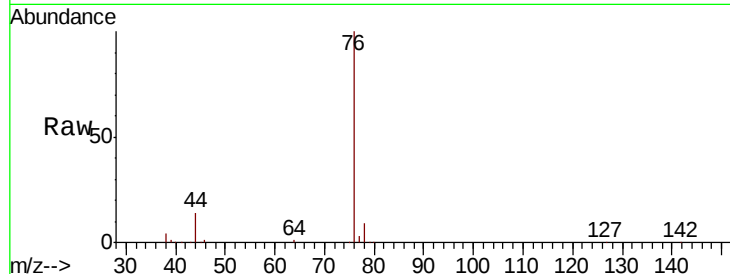




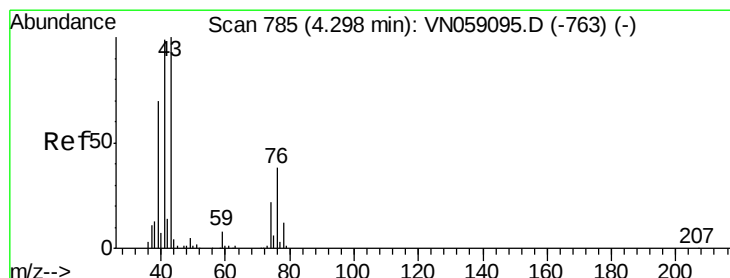
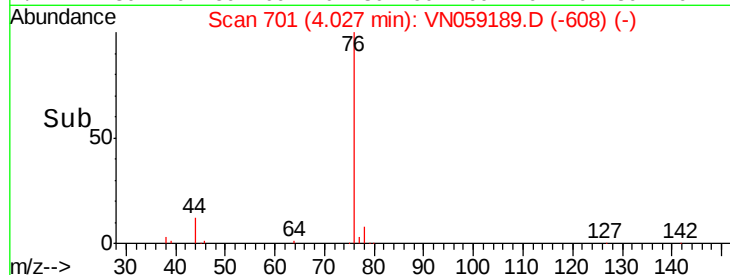
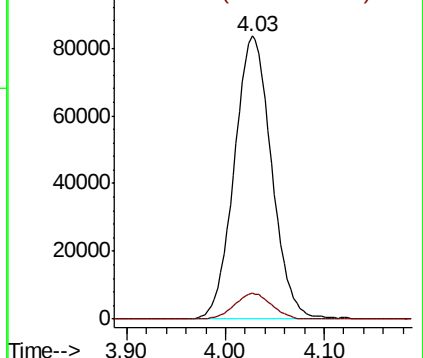
#17
Carbon Disulfide
Concen: 17.890 ug/l
RT: 4.03 min Scan# 701
Delta R.T. -0.00 min
Lab File: VN059189.D
Acq: 12 Nov 2019 14:45

Instrument :
MSVOA_N
ClientSampleId :

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

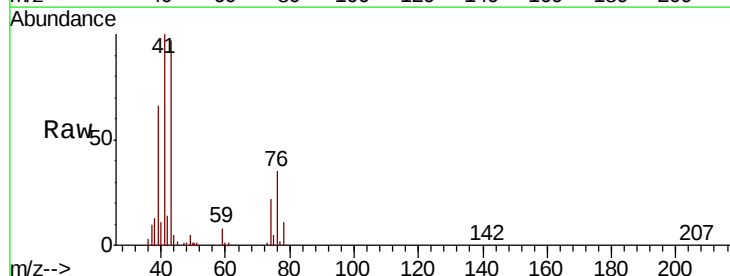


Abundance Ion 75.90 (75.60 to 76.60): VN0
Ion 77.90 (77.60 to 78.60): VN0

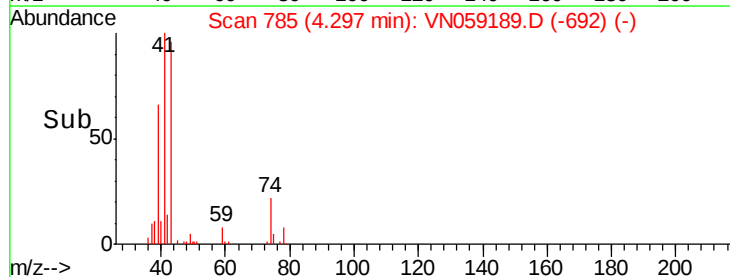
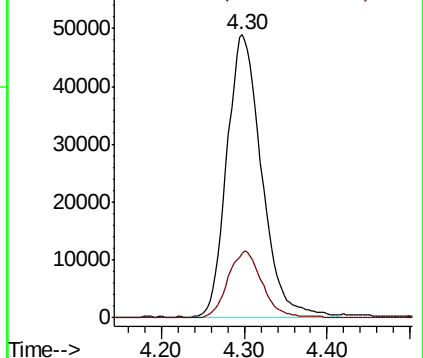


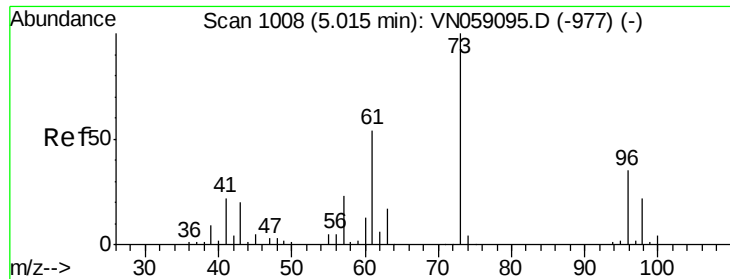
#18
Methyl Acetate
Concen: 22.102 ug/l
RT: 4.30 min Scan# 785
Delta R.T. -0.00 min
Lab File: VN059189.D
Acq: 12 Nov 2019 14:45

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



Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 74.00 (73.70 to 74.70): VN0

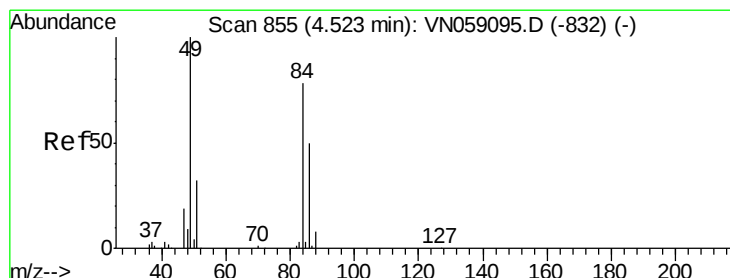
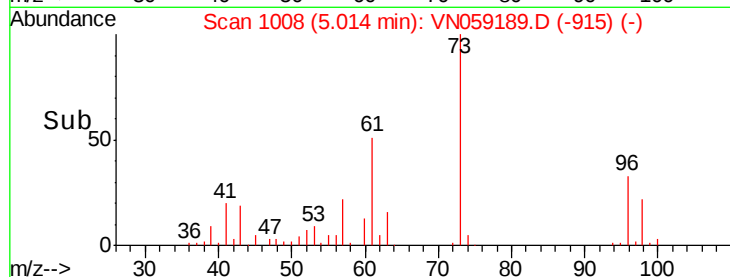
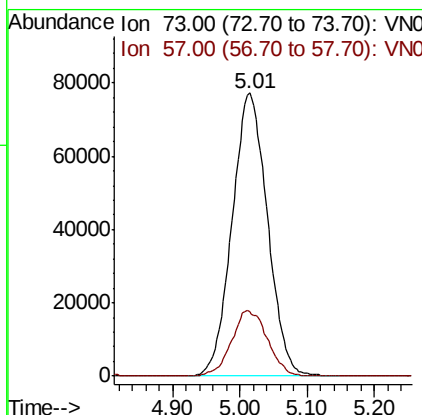
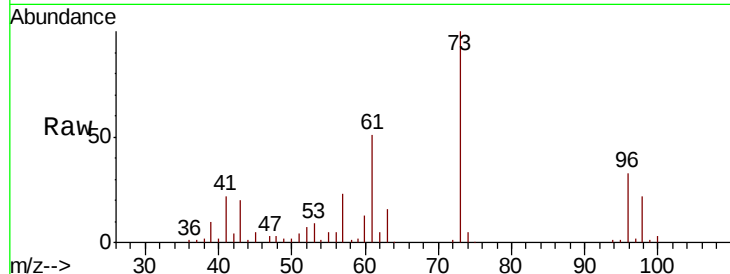




#19
Methyl tert-butyl Ether
Concen: 20.808 ug/l
RT: 5.01 min Scan# 1008
Delta R.T. -0.00 min
Lab File: VN059189.D
Acq: 12 Nov 2019 14:45

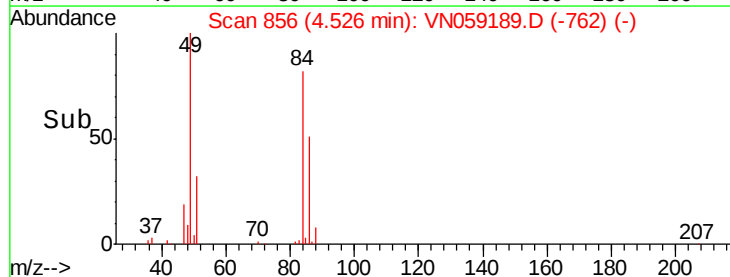
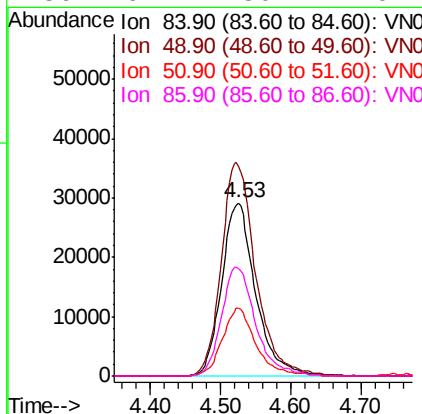
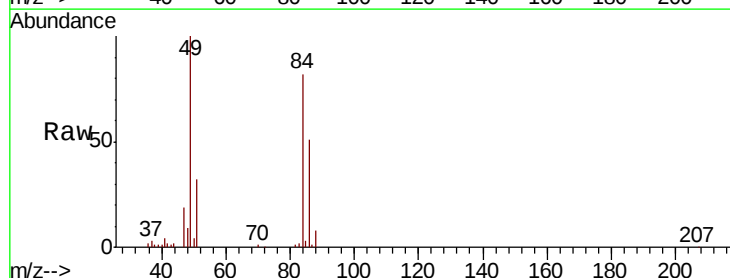
Instrument :
MSVOA_N
ClientSampled :

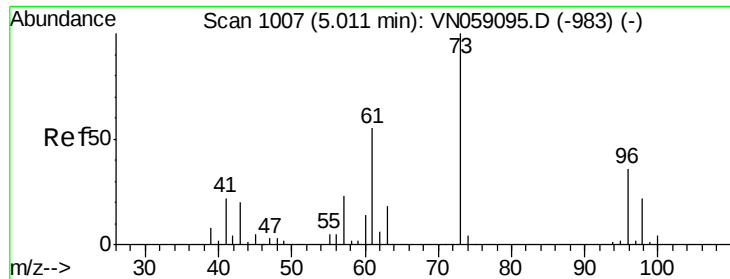
Tot Ion: 73 Resp: 282212
Ion Ratio Lower Upper
73 100
57 22.7 18.4 27.6



#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

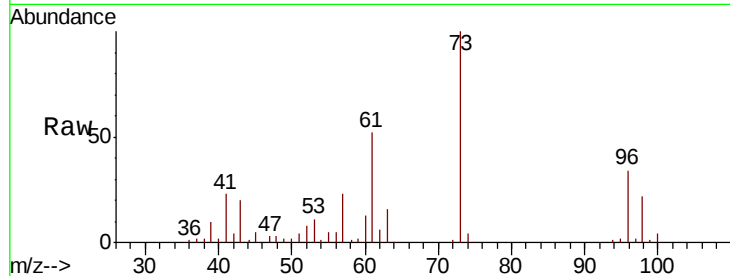




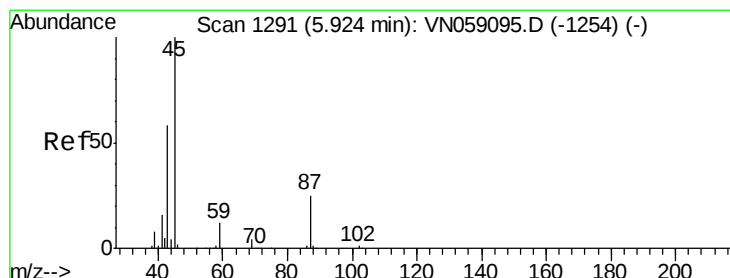
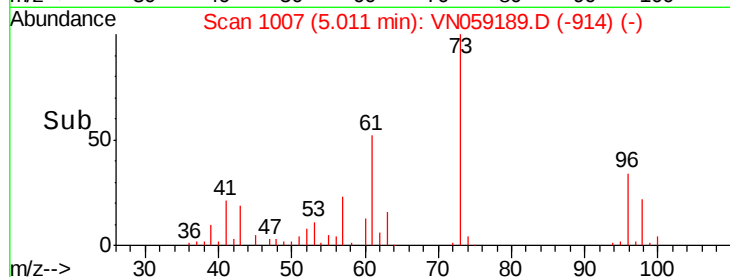
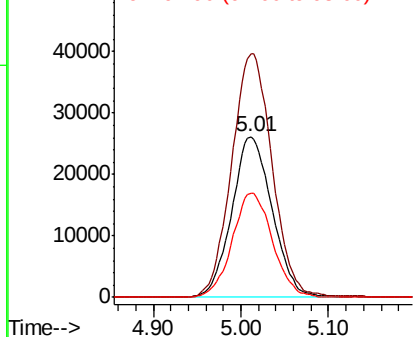
#21
trans-1,2-Dichloroethene
Concen: 19.835 ug/l
RT: 5.01 min Scan# 1007
Delta R.T. -0.00 min
Lab File: VN059189.D
Acq: 12 Nov 2019 14:45

Instrument :
MSVOA_N
ClientSampleId :

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

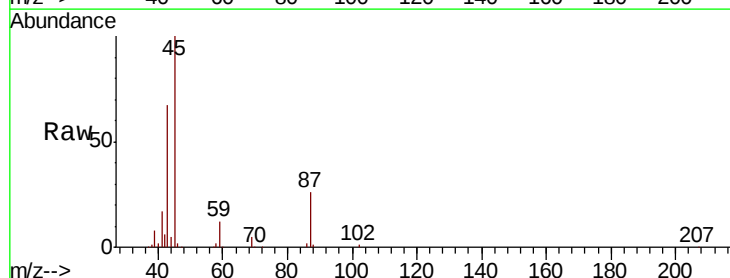


Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0

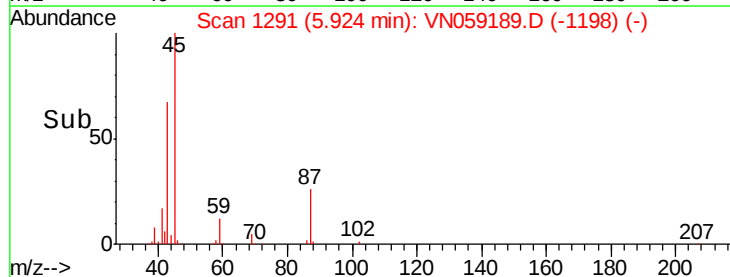
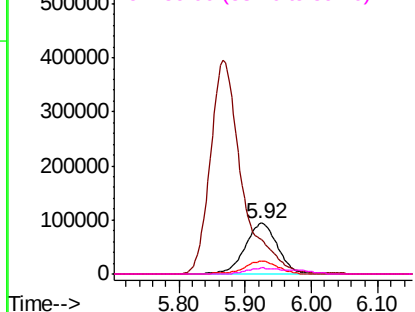


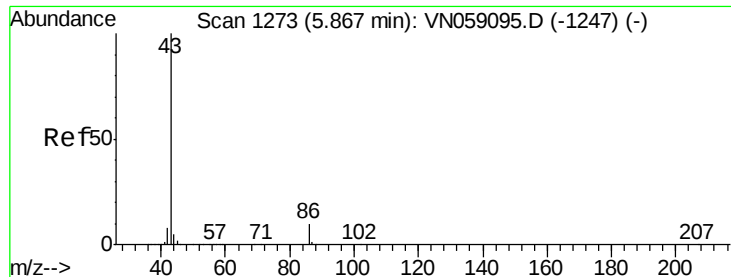
#22
Diisopropyl ether
Concen: 20.860 ug/l
RT: 5.92 min Scan# 1291
Delta R.T. -0.00 min
Lab File: VN059189.D
Acq: 12 Nov 2019 14:45

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

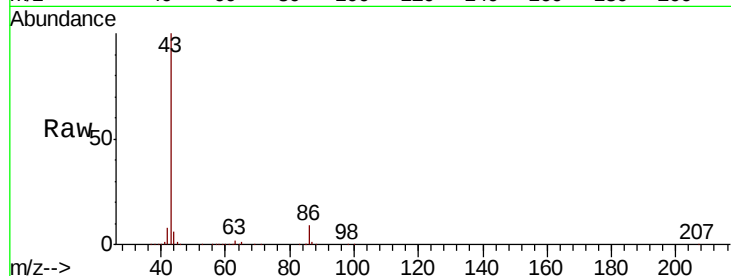
Instrument :
MSVOA_N
ClientSampled :

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) (-)

5.87

400000

300000

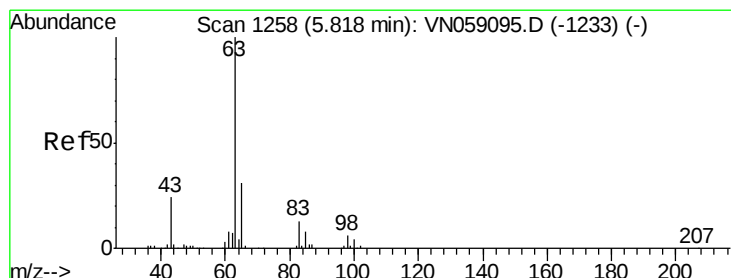
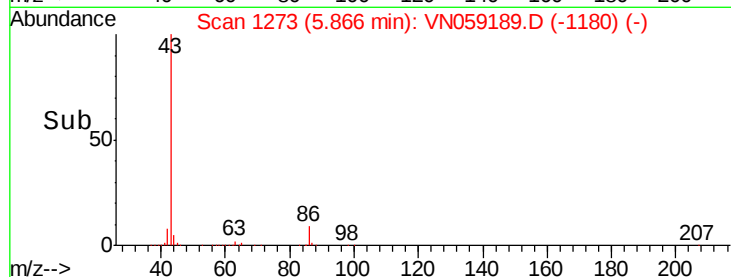
200000

100000

0

5.70 5.80 5.90 6.00 6.10

Time-->



#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

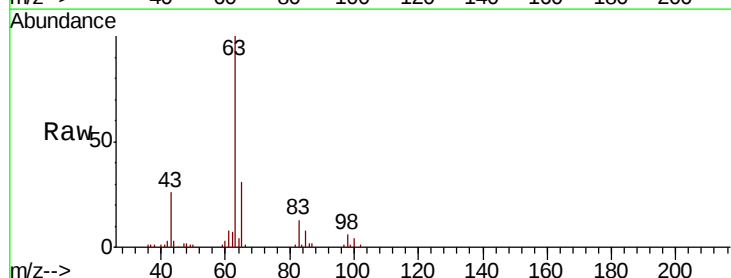
Tgt Ion: 63 Resp: 176047

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) (-)

5.82

60000

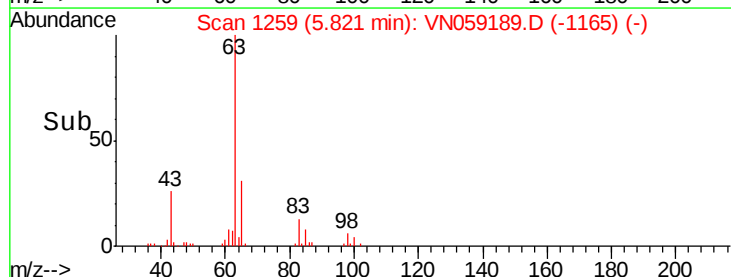
40000

20000

0

5.70 5.80 5.90

Time-->





#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

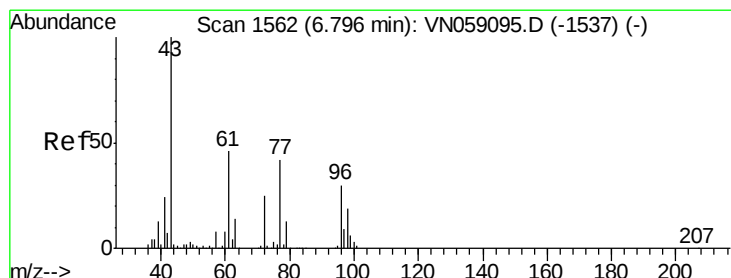
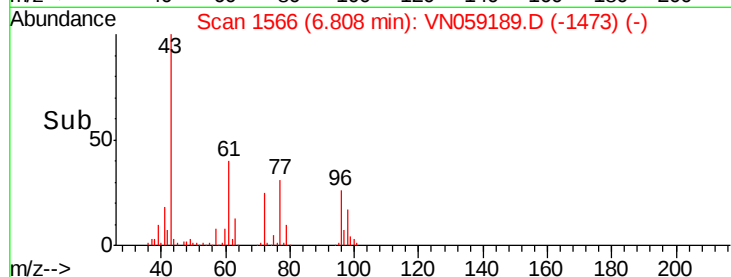
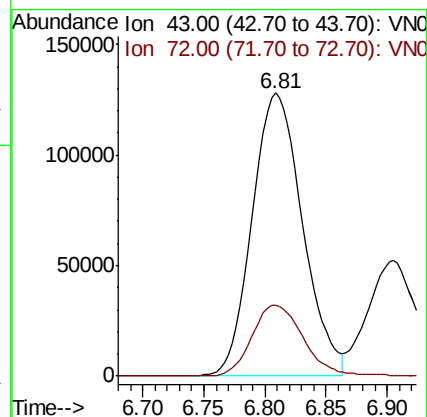
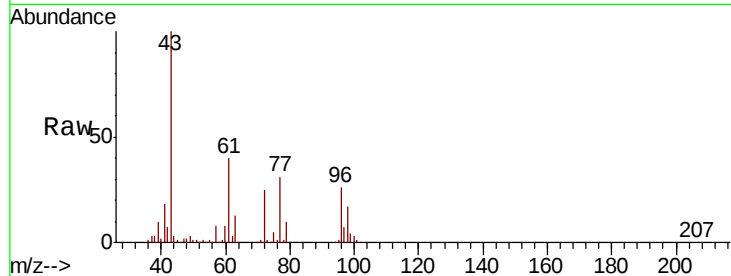
ClientSampled :

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

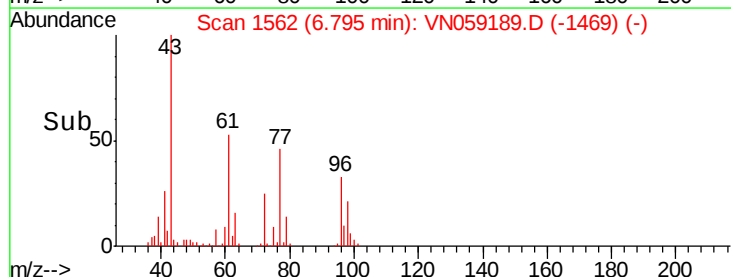
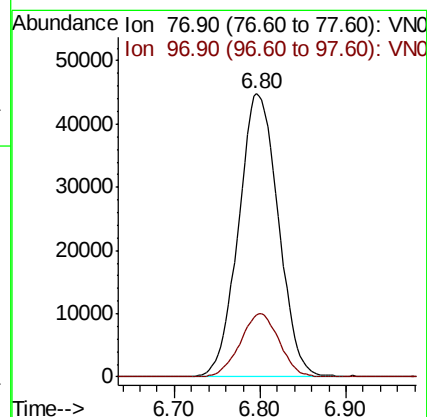
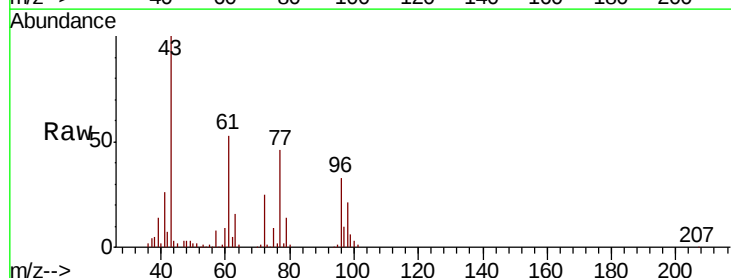
Acq: 12 Nov 2019 14:45

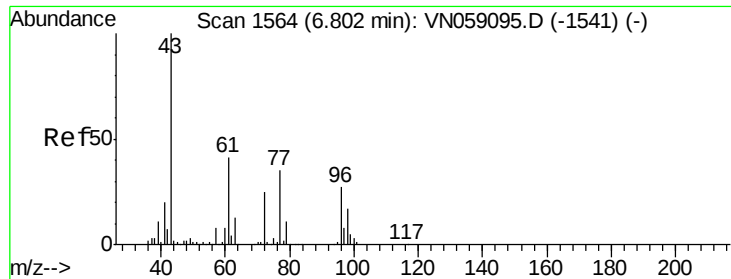
Tgt Ion: 77 Resp: 143868

Ion Ratio Lower Upper

77 100

97 21.9 11.2 33.6

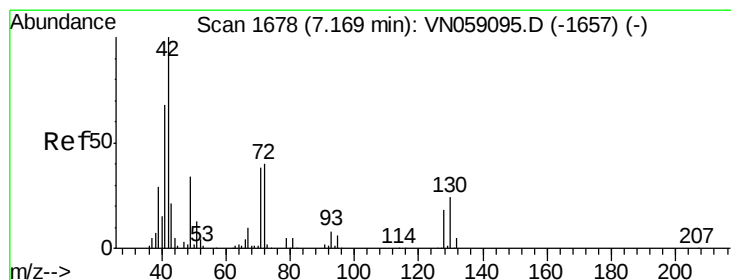
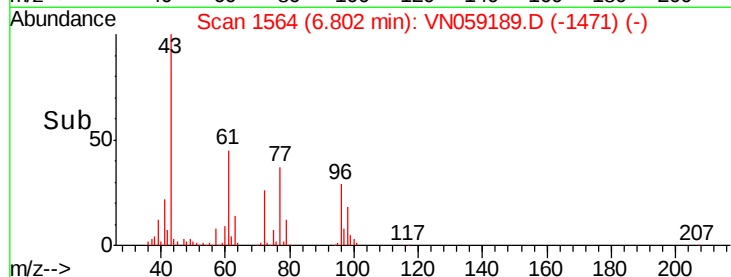
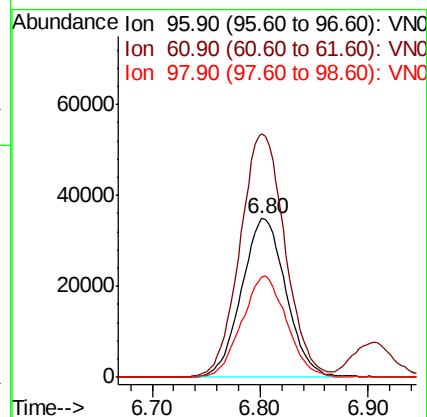
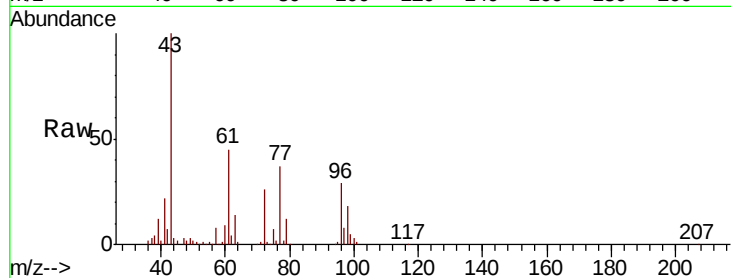




#27
 cis-1,2-Dichloroethene
 Concen: 20.402 ug/l
 RT: 6.80 min Scan# 1564
 Delta R.T. -0.00 min
 Lab File: VN059189.D
 Acq: 12 Nov 2019 14:45

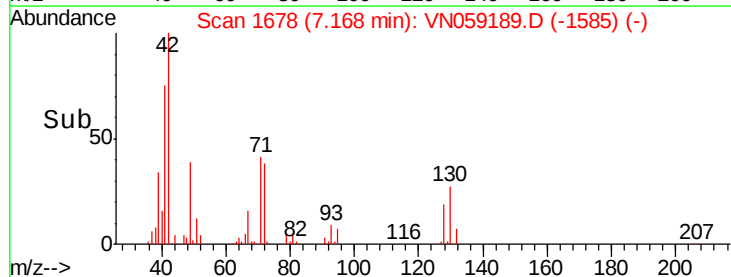
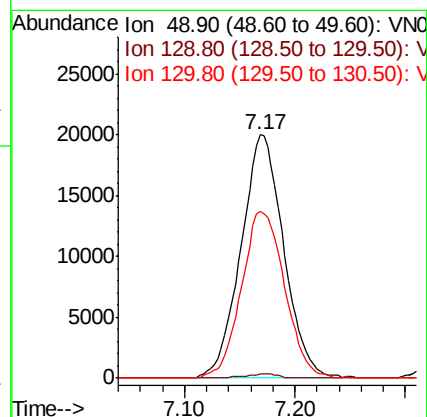
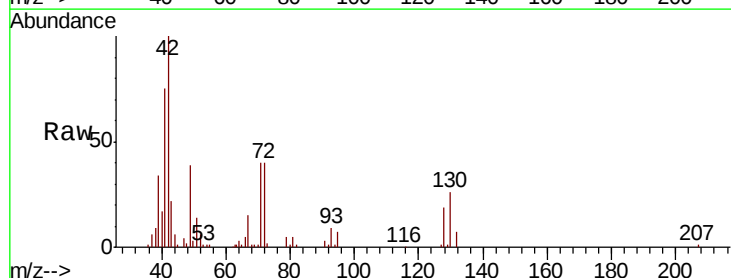
Instrument :
 MSVOA_N
 ClientSampleId :

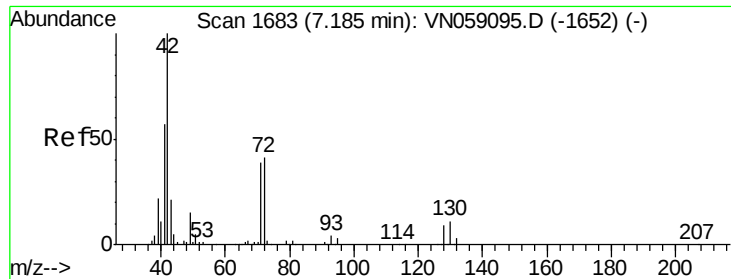
Tot Ion	Ratio	Lower	Upper
96	100		
61	155.3	0.0	311.6
98	64.1	0.0	129.8



#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	Ratio	Lower	Upper
49	100		
129	1.3	0.0	3.8
130	69.4	55.6	83.4





#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

ClientSampled :

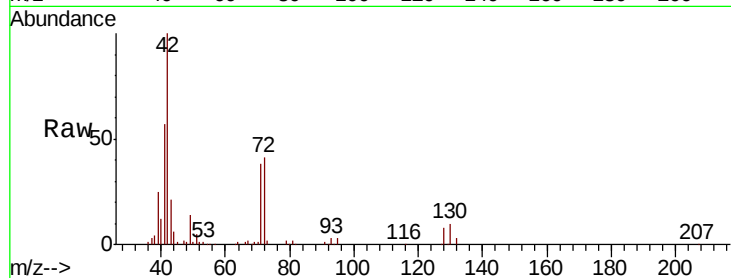
Tot Ion: 42 Resp: 247401

Ion Ratio Lower Upper

42 100

72 40.4 33.1 49.7

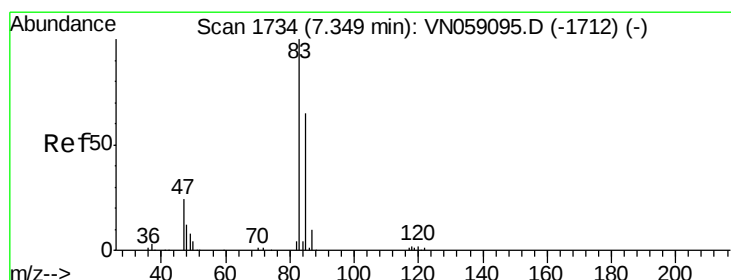
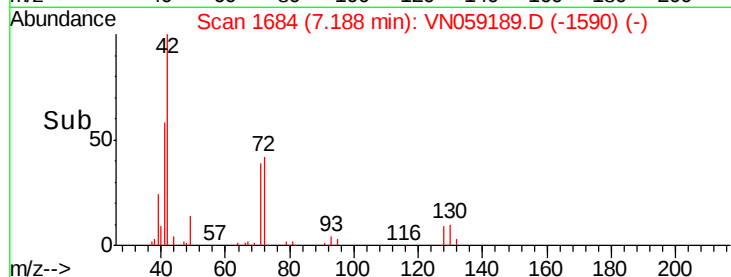
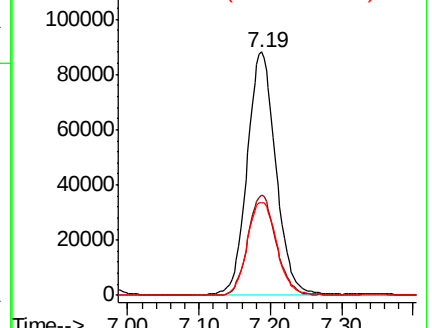
71 39.5 30.9 46.3



Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0



#30

Chloroform

Concen: 21.037 ug/l

RT: 7.35 min Scan# 1734

Delta R.T. -0.00 min

Lab File: VN059189.D

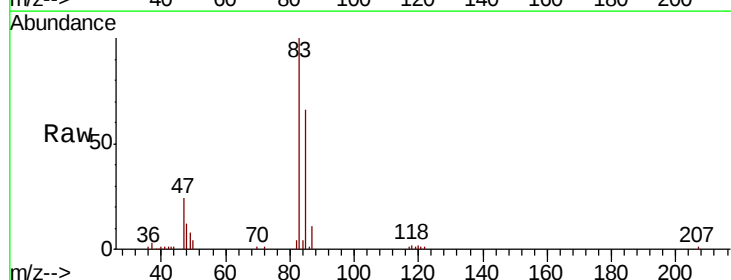
Acq: 12 Nov 2019 14:45

Tgt Ion: 83 Resp: 172282

Ion Ratio Lower Upper

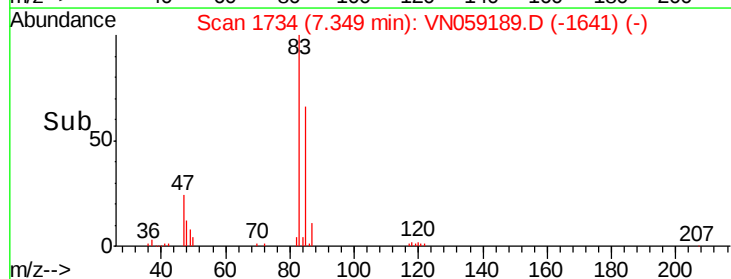
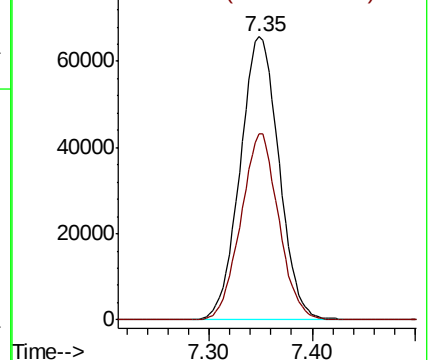
83 100

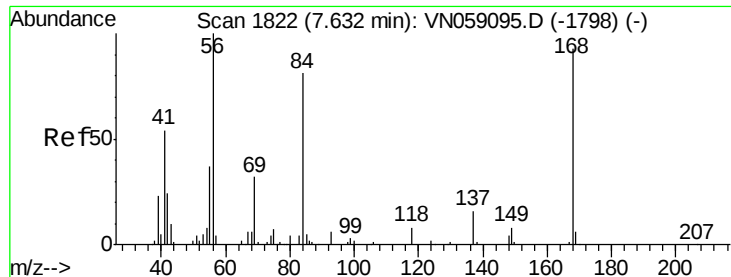
85 65.6 51.8 77.8



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0





#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
ClientSampled :

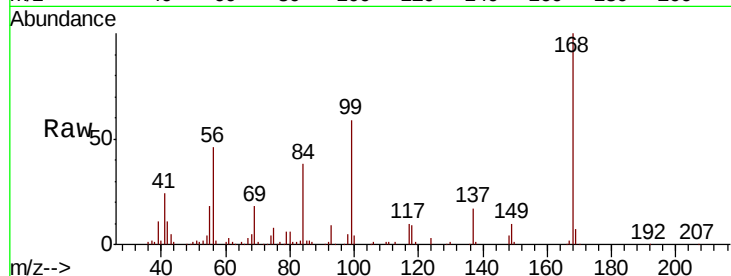
Tot Ion: 56 Resp: 157501

Ion Ratio Lower Upper

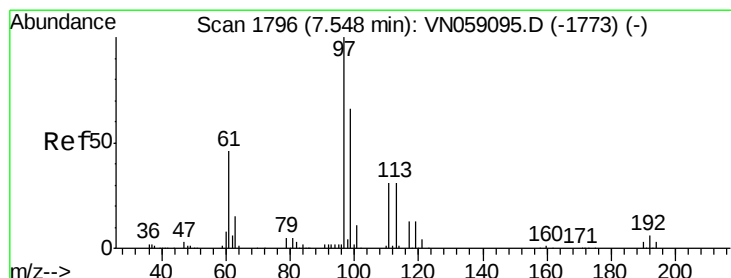
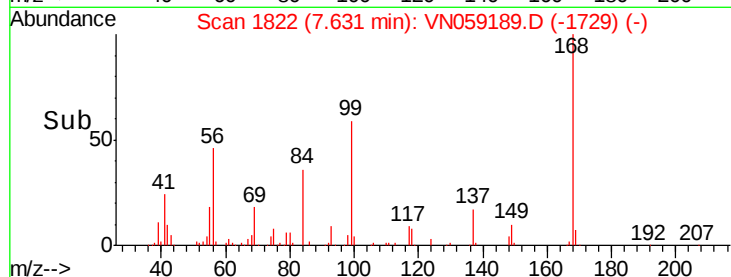
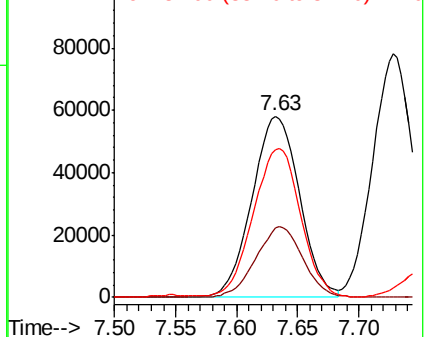
56 100

69 38.6 25.8 38.8

84 80.6 65.0 97.4



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



#32

1,1,1-Trichloroethane

Concen: 20.856 ug/l

RT: 7.55 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VN059189.D

Acq: 12 Nov 2019 14:45

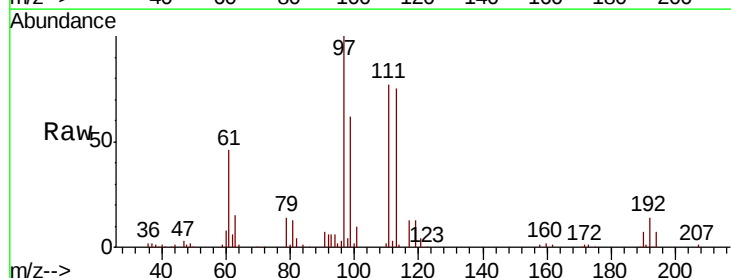
Tgt Ion: 97 Resp: 143595

Ion Ratio Lower Upper

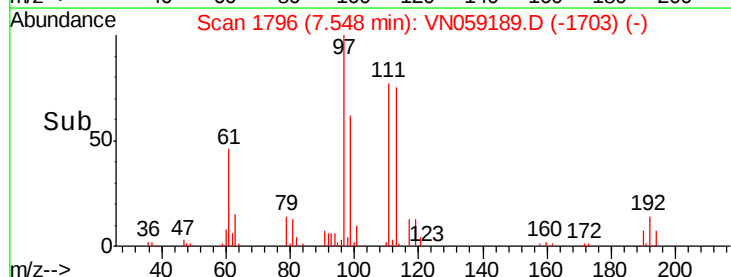
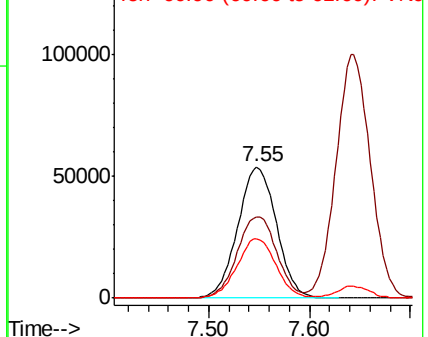
97 100

99 63.8 51.0 76.6

61 45.7 35.8 53.8



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

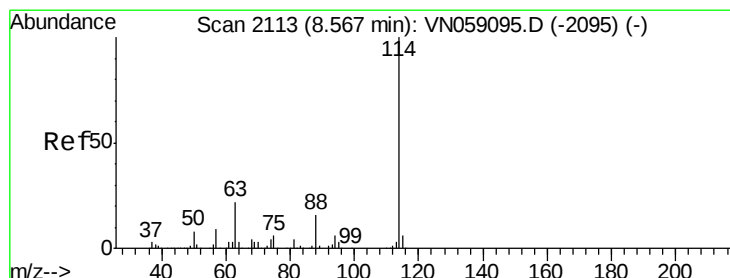
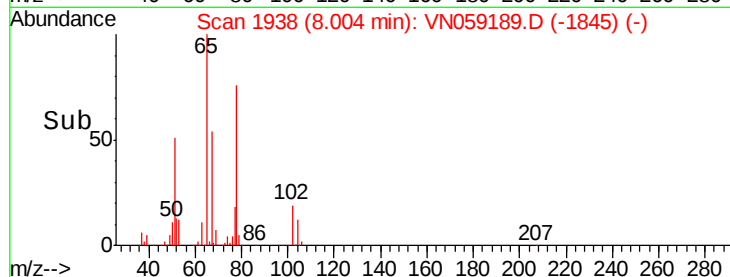
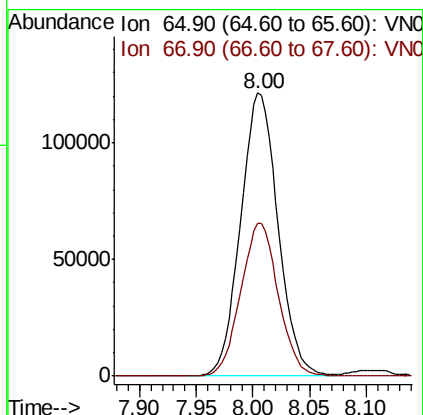
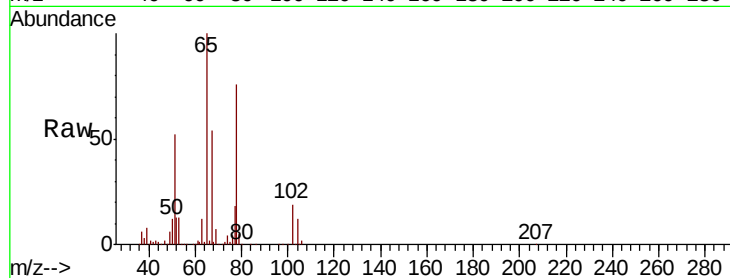




#33
 1,2-Dichloroethane-d4
 Concen: 53.827 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. -0.00 min
 Lab File: VN059189.D
 Acq: 12 Nov 2019 14:45

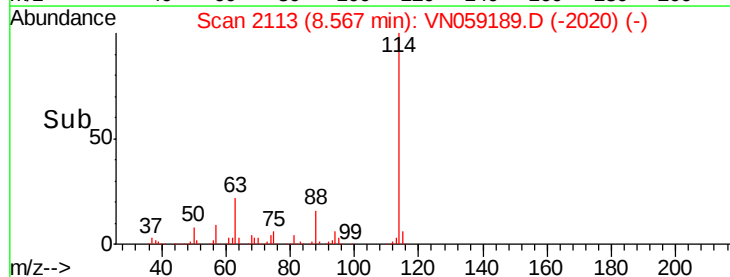
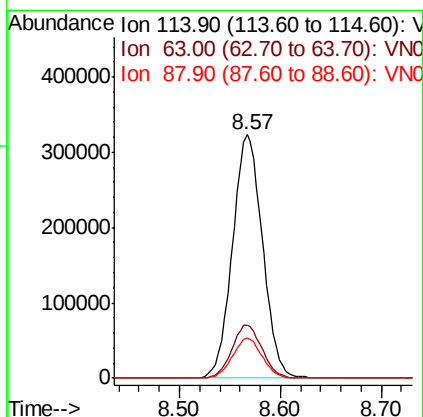
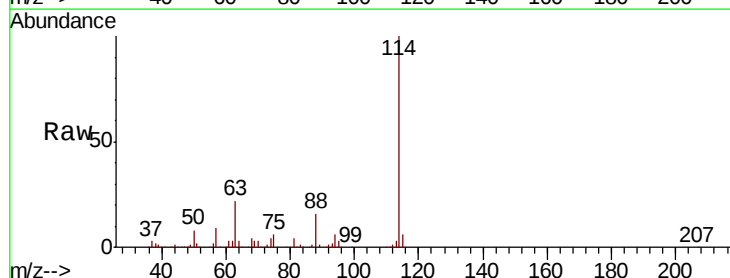
Instrument :
 MSVOA_N
 ClientSampled :

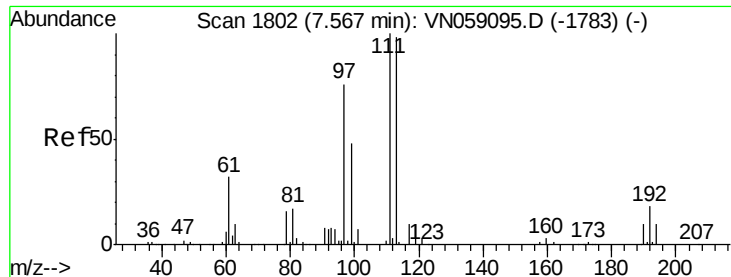
Tot Ion: 65 Resp: 279426
 Ion Ratio Lower Upper
 65 100
 67 54.3 0.0 107.4



#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

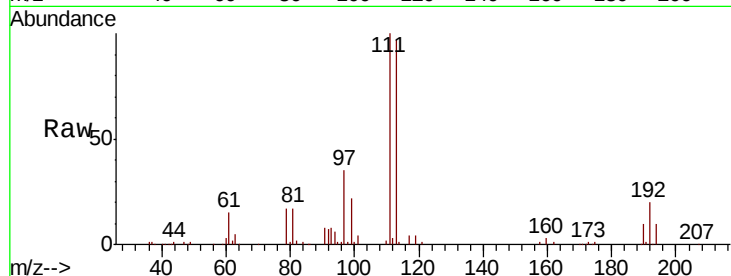




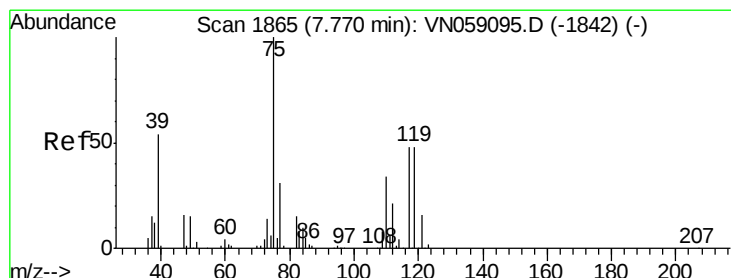
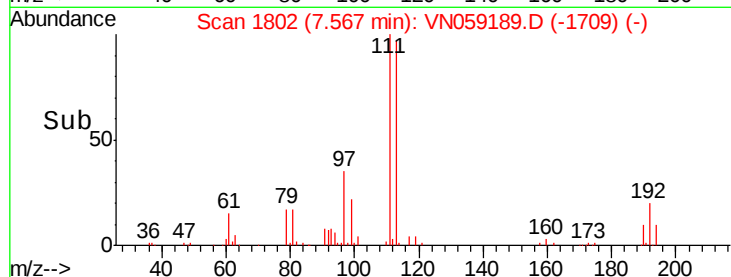
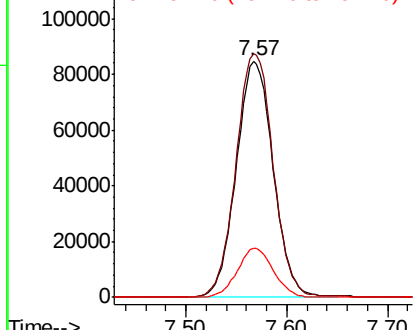
#35
 Dibromofluoromethane
 Concen: 53.868 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. -0.00 min
 Lab File: VN059189.D
 Acq: 12 Nov 2019 14:45

Instrument :
 MSVOA_N
 ClientSampleId :

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

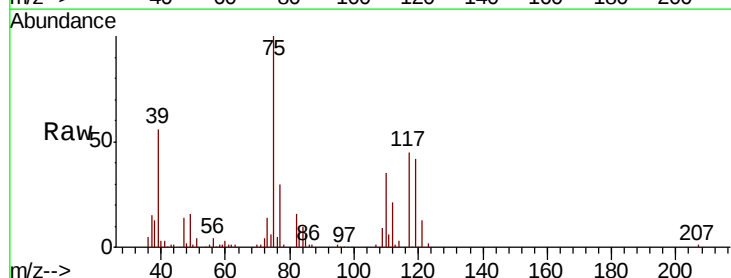


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

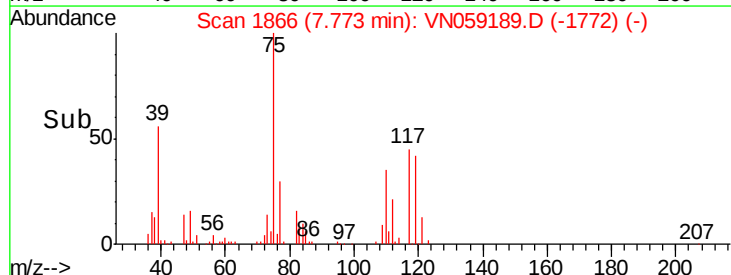
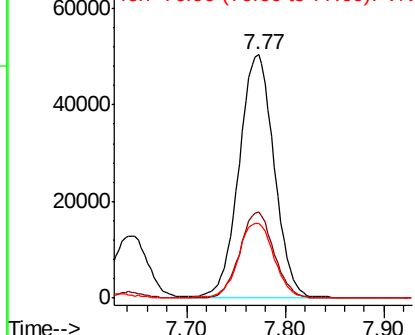


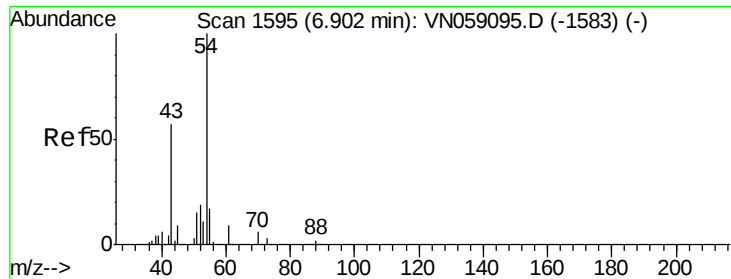
#36
 1,1-Dichloropropene
 Concen: 19.938 ug/l
 RT: 7.77 min Scan# 1866
 Delta R.T. 0.00 min
 Lab File: VN059189.D
 Acq: 12 Nov 2019 14:45

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

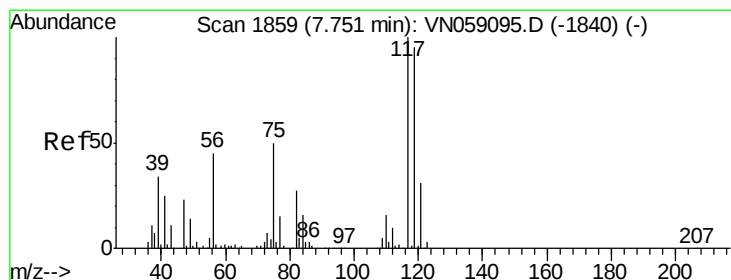
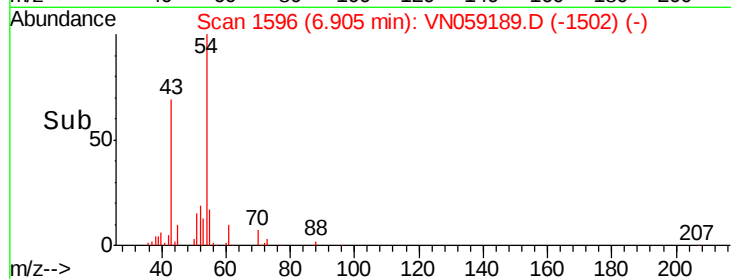
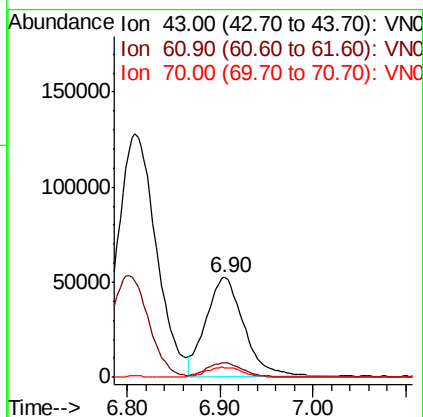
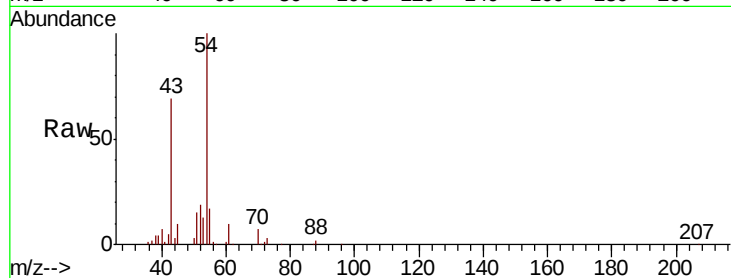




#37
Ethyl Acetate
Concen: 21.343 ug/l
RT: 6.90 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VN059189.D
Acq: 12 Nov 2019 14:45

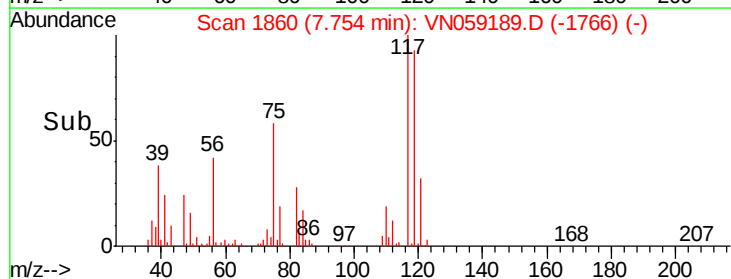
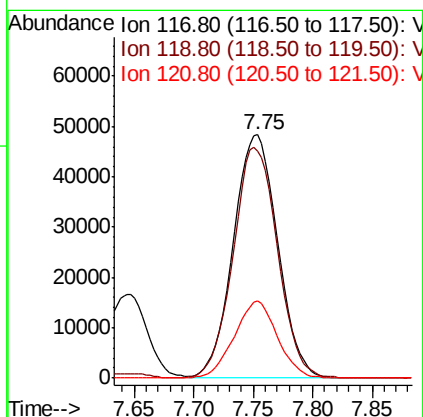
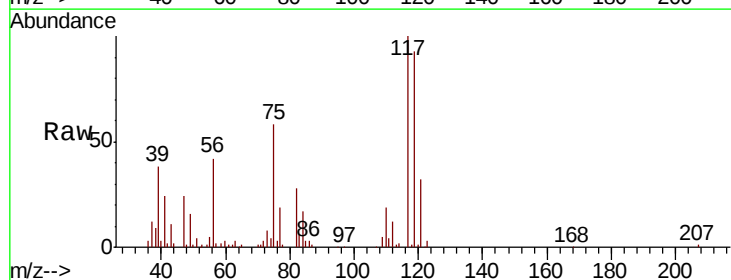
Instrument :
MSVOA_N
ClientSampleId :

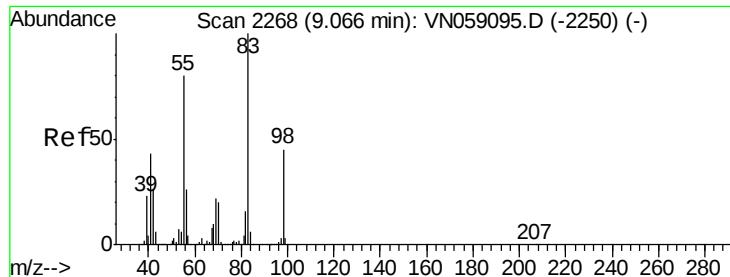
Tot Ion: 43 Resp: 148482
Ion Ratio Lower Upper
43 100
61 13.7 11.2 16.8
70 10.0 7.8 11.8



#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

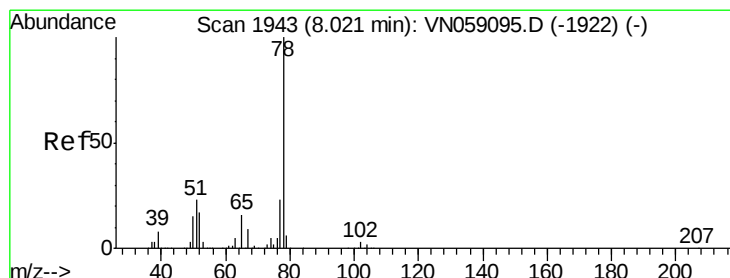
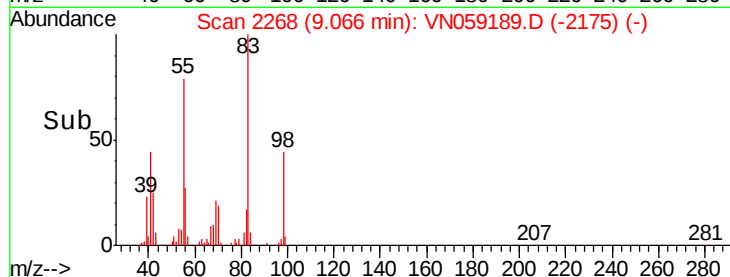
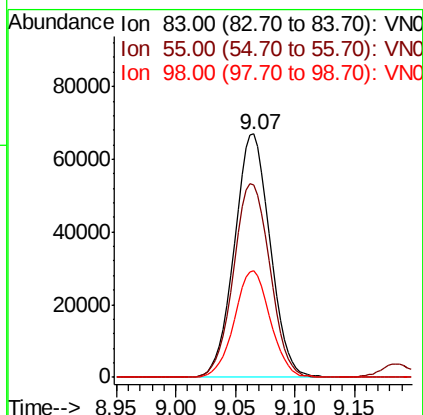
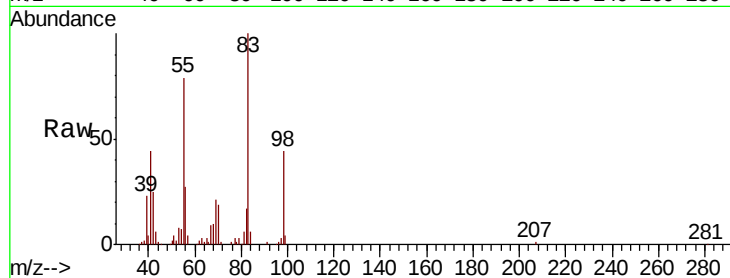




#39
Methvlcvclohexane
Concen: 19.233 ug/l
RT: 9.07 min Scan# 2268
Delta R.T. -0.00 min
Lab File: VN059189.D
Acq: 12 Nov 2019 14:45

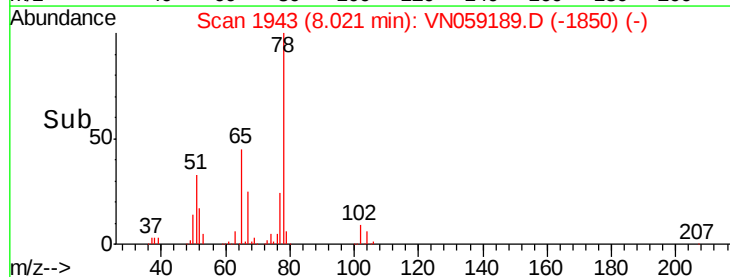
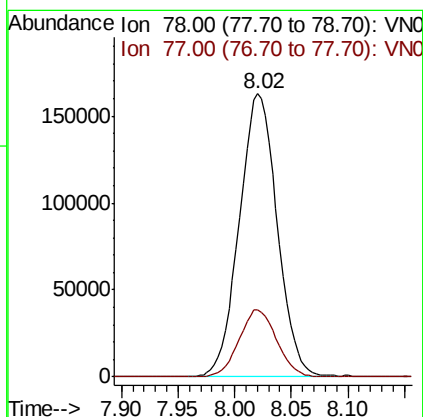
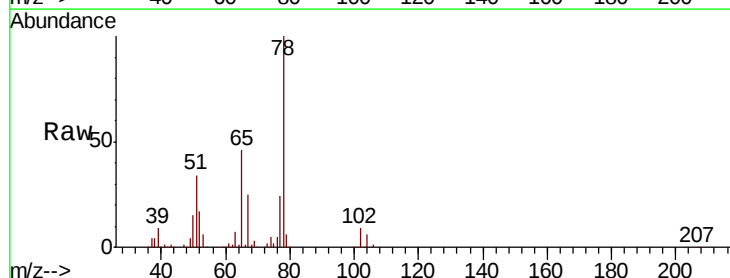
Instrument :
MSVOA_N
ClientSampled :

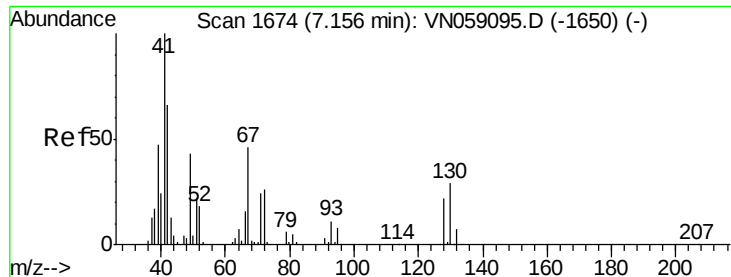
Tot Ion: 83 Resp: 139589
Ion Ratio Lower Upper
83 100
55 79.0 63.9 95.9
98 43.8 35.6 53.4



#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

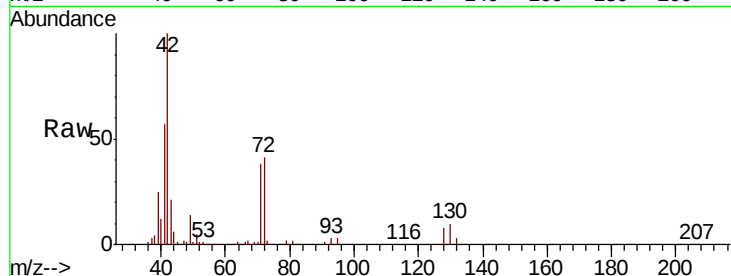




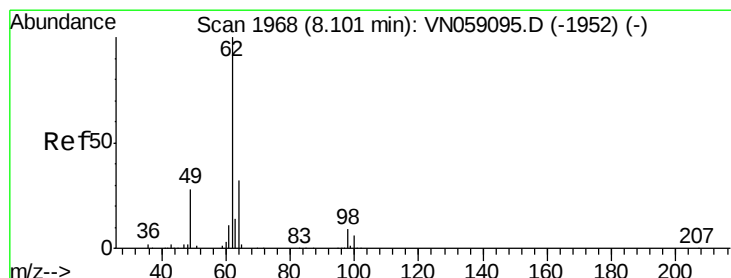
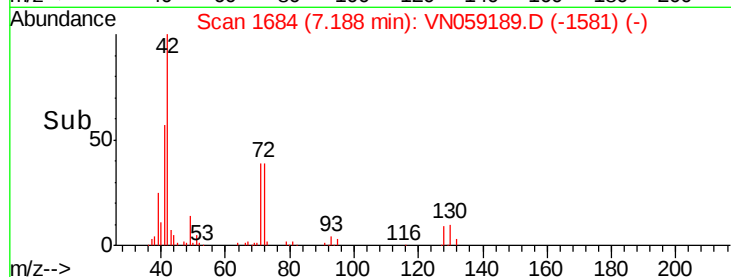
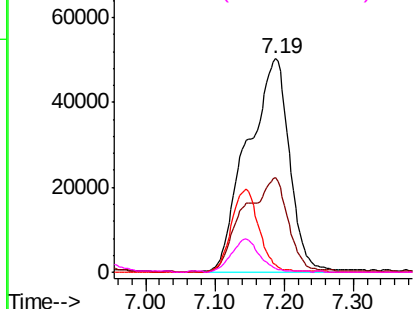
#41
Methacrylonitrile
Concen: 70.598 ug/l
RT: 7.19 min Scan# 1684
Delta R.T. 0.03 min
Lab File: VN059189.D
Acq: 12 Nov 2019 14:45

Instrument :
MSVOA_N
ClientSampleId :

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

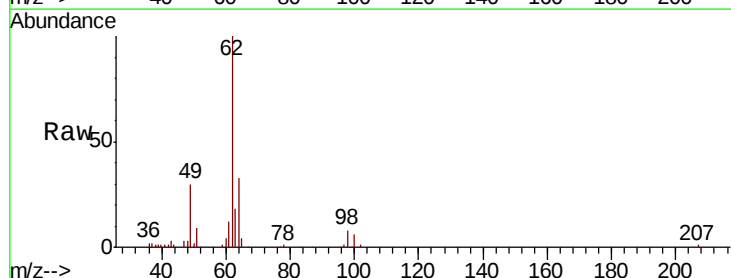


Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 67.00 (66.70 to 67.70): VNO
Ion 52.00 (51.70 to 52.70): VNO

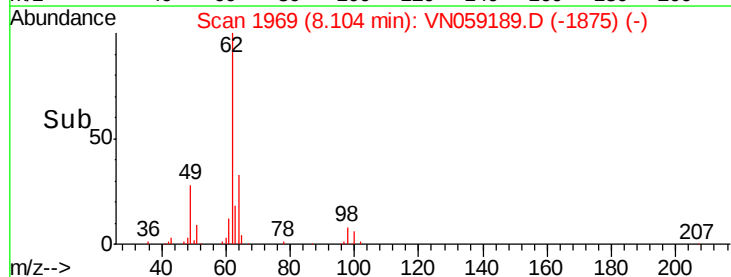
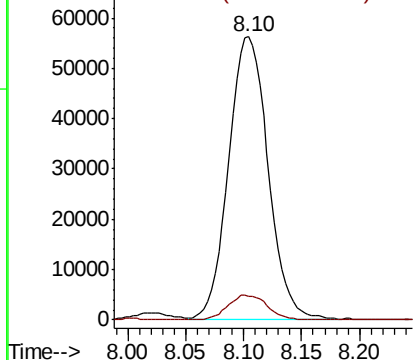


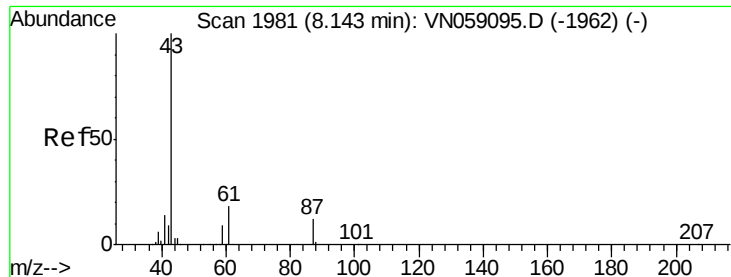
#42
1,2-Dichloroethane
Concen: 20.485 ug/l
RT: 8.10 min Scan# 1969
Delta R.T. 0.00 min
Lab File: VN059189.D
Acq: 12 Nov 2019 14:45

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



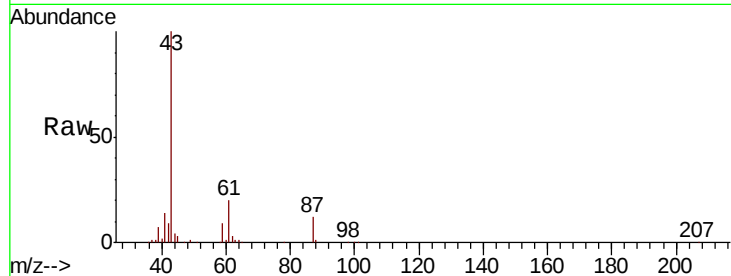


#43

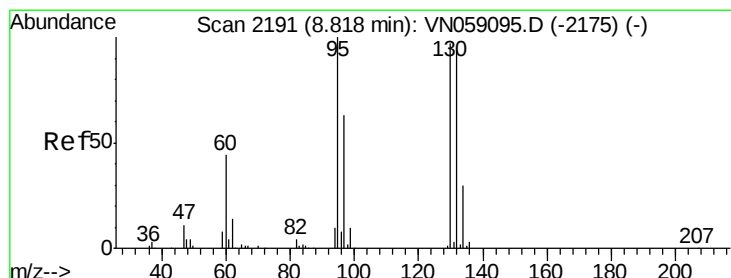
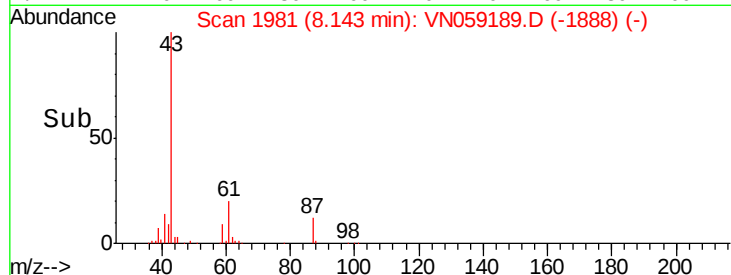
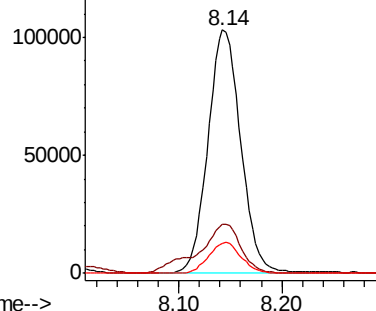
Isopropyl Acetate
 Concen: 20.516 ug/l
 RT: 8.14 min Scan# 1981
 Delta R.T. -0.00 min
 Lab File: VN059189.D
 Acq: 12 Nov 2019 14:45

Instrument :
 MSVOA_N
 ClientSampleId :

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



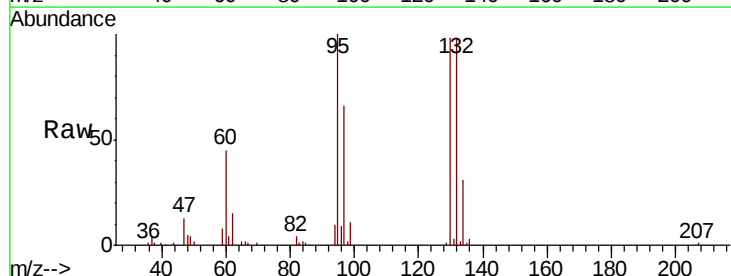
Abundance Ion 43.00 (42.70 to 43.70): VN059095.D (-1962) (-)



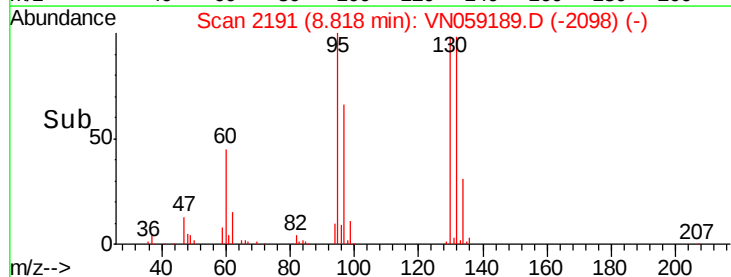
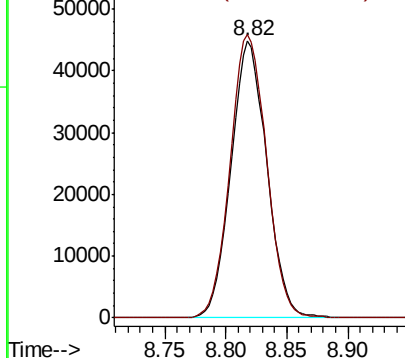
#44

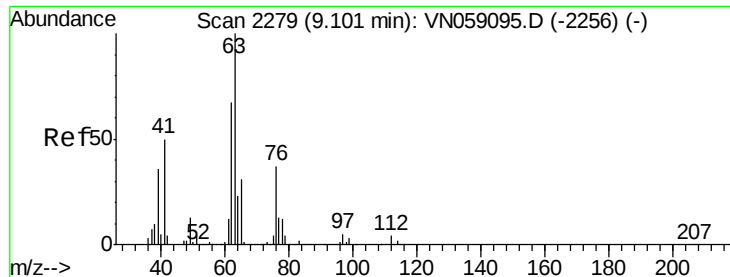
Trichloroethene
 Concen: 19.724 ug/l
 RT: 8.82 min Scan# 2191
 Delta R.T. -0.00 min
 Lab File: VN059189.D
 Acq: 12 Nov 2019 14:45

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): VN059095.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

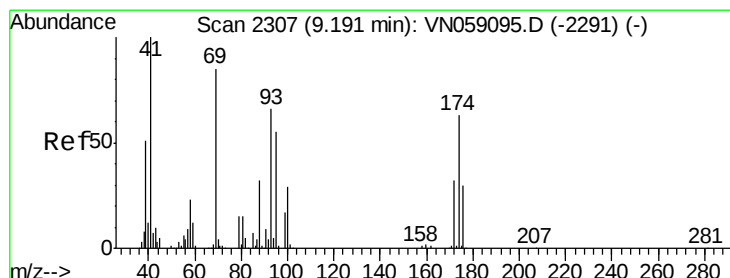
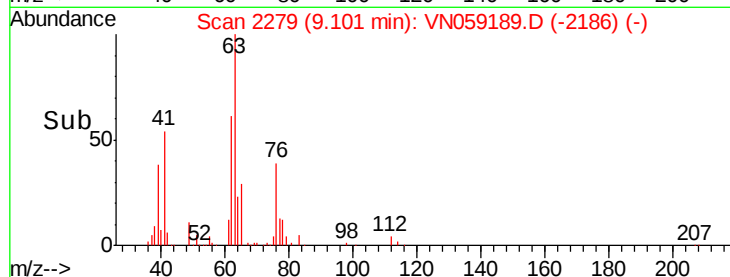
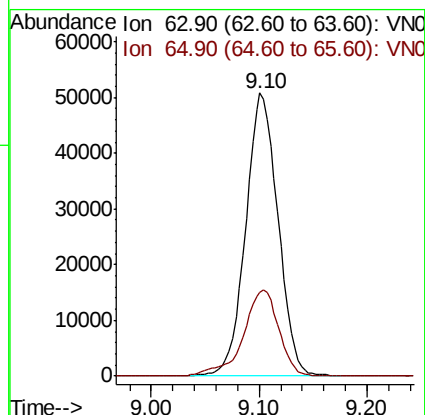
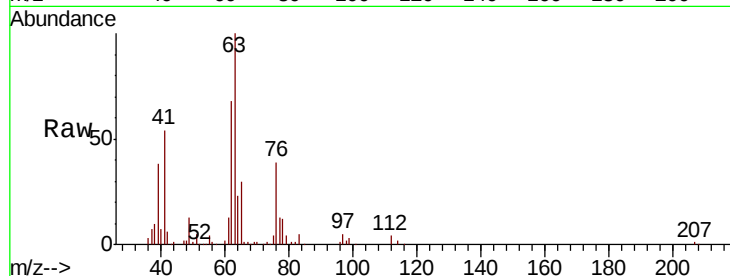
Instrument :
MSVOA_N
ClientSampled :

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

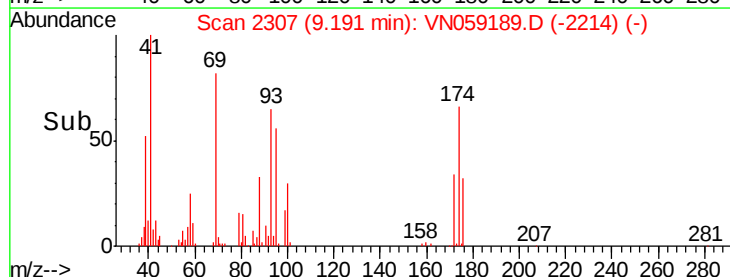
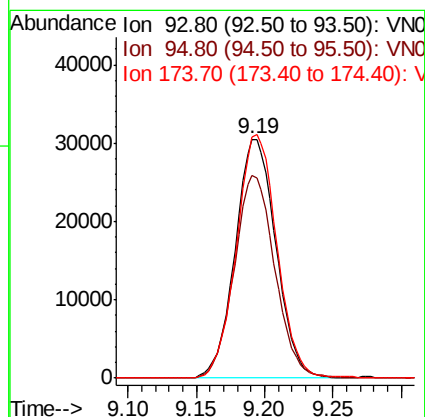
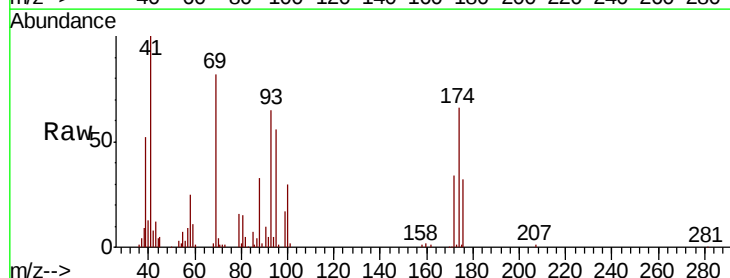
Tgt Ion: 93 Resp: 63233

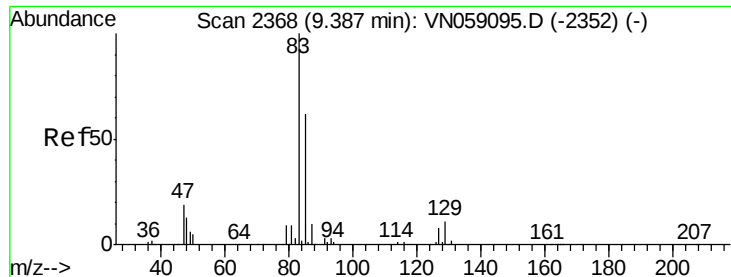
Ion Ratio Lower Upper

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 :

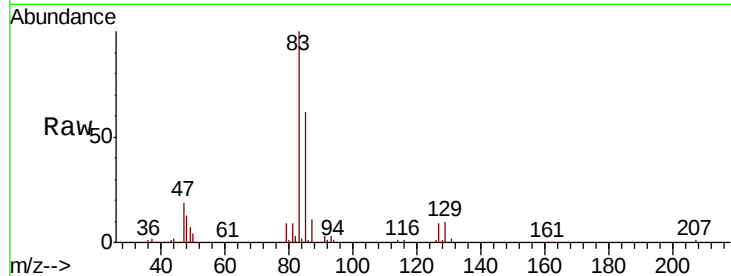
Tot Ion: 83 Resp: 129811

Ion Ratio Lower Upper

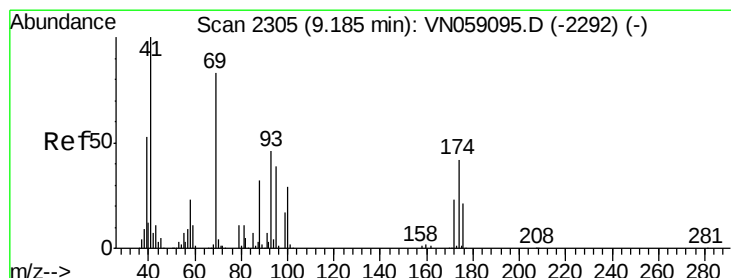
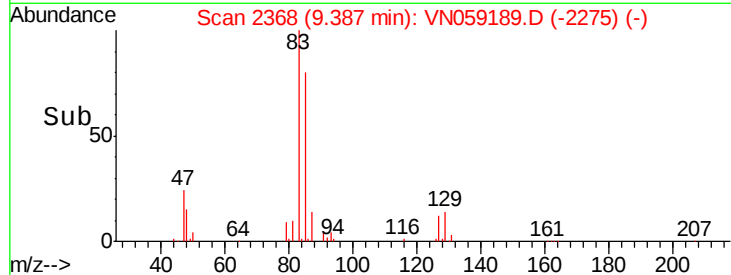
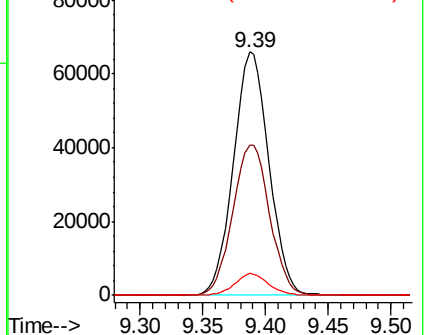
83 100

85 61.8 49.7 74.5

127 8.8 6.4 9.6



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0
Ion 126.80 (126.50 to 127.50): VN0



#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

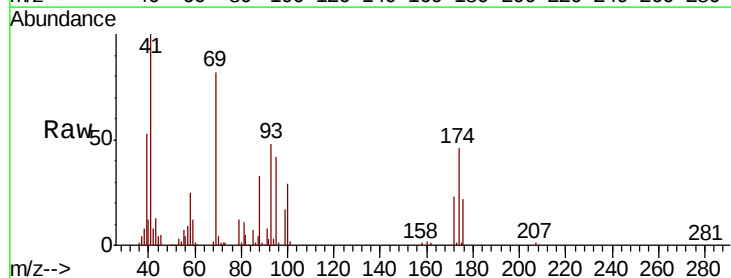
Tgt Ion: 41 Resp: 99572

Ion Ratio Lower Upper

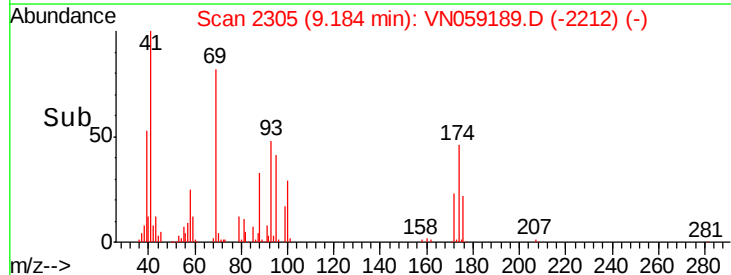
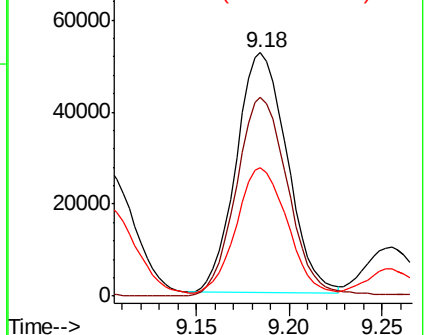
41 100

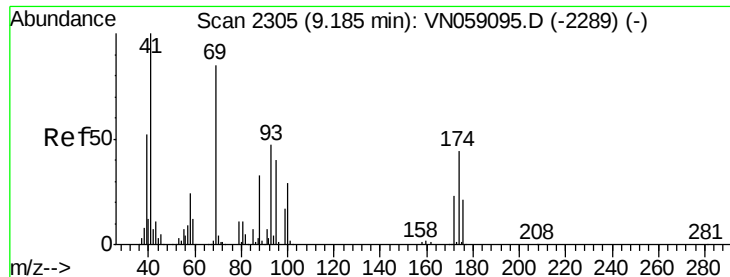
69 84.9 67.3 100.9

39 54.1 43.3 64.9



Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

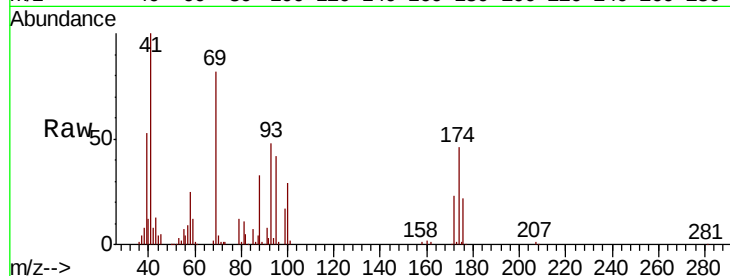




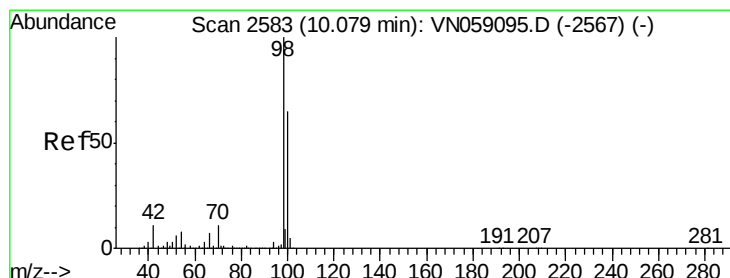
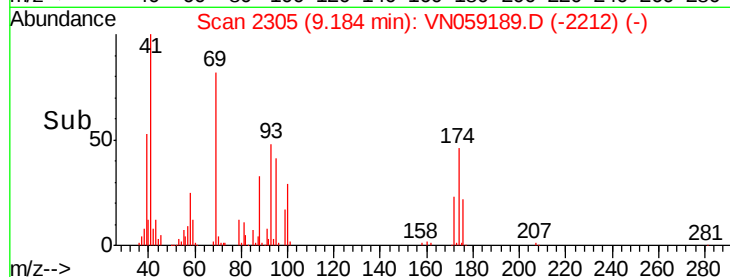
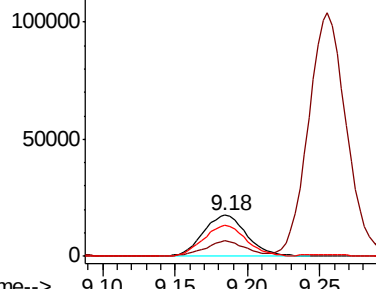
#49
1,4-Dioxane
Concen: 419.152 ug/l
RT: 9.18 min Scan# 2305
Delta R.T. -0.00 min
Lab File: VN059189.D
Acq: 12 Nov 2019 14:45

Instrument :
MSVOA_N
ClientSampleId :

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

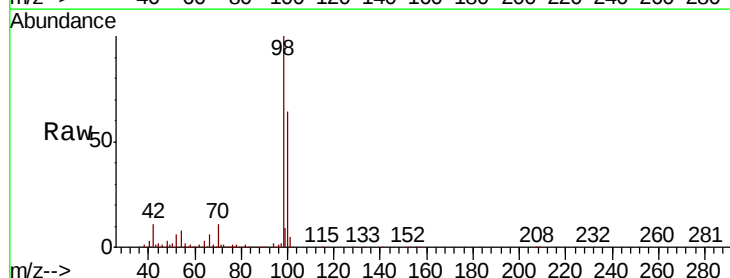


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

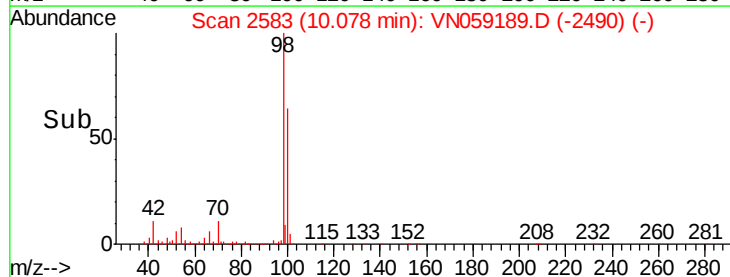
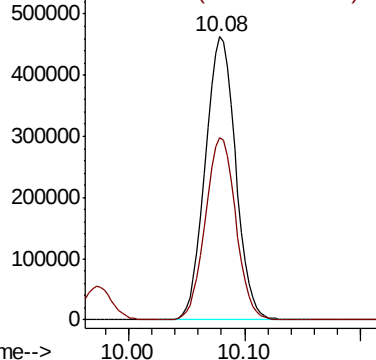


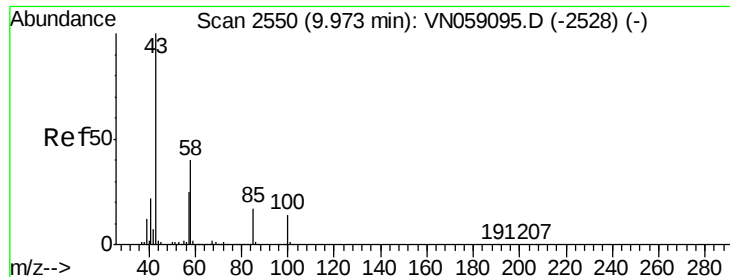
#50
Toluene-d8
Concen: 53.355 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. -0.00 min
Lab File: VN059189.D
Acq: 12 Nov 2019 14:45

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): VN0
Ion 100.00 (99.70 to 100.70): VN0

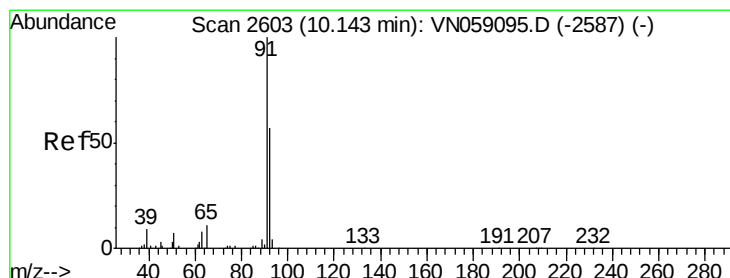
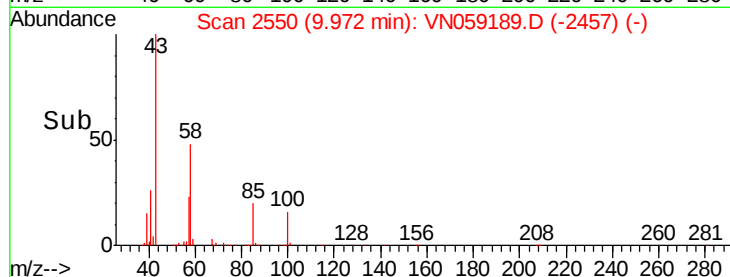
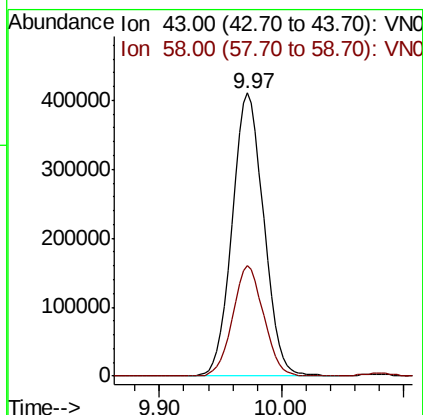
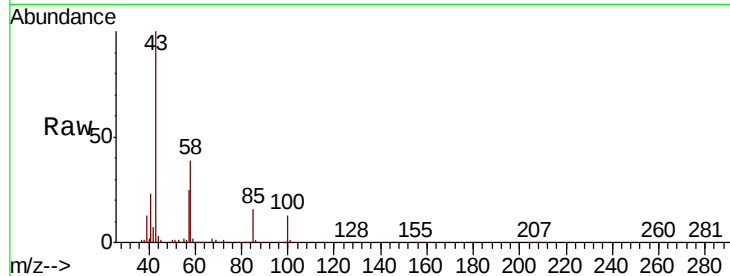




#51
 4-Methyl-2-Pentanone
 Concen: 117.124 ug/l
 RT: 9.97 min Scan# 2550
 Delta R.T. -0.00 min
 Lab File: VN059189.D
 Acq: 12 Nov 2019 14:45

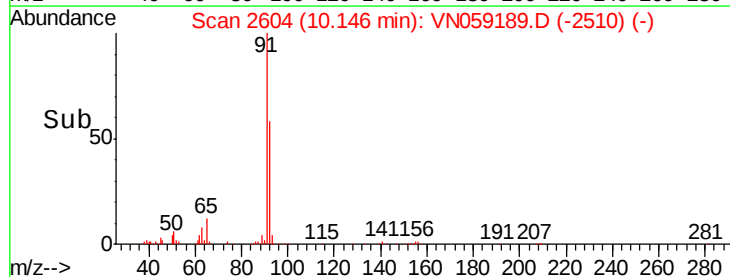
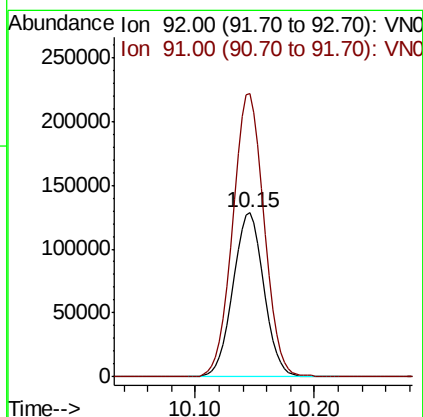
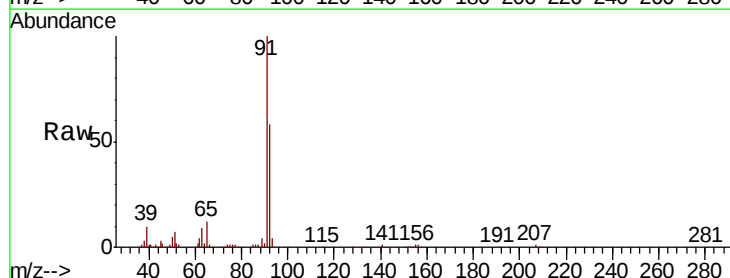
Instrument :
 MSVOA_N
 ClientSampleId :

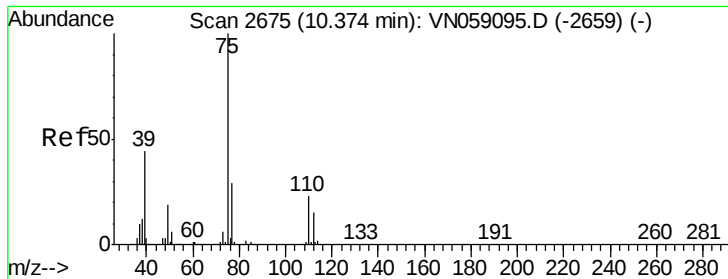
Tot Ion: 43 Resp: 735037
 Ion Ratio Lower Upper
 43 100
 58 38.5 31.5 47.3



#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

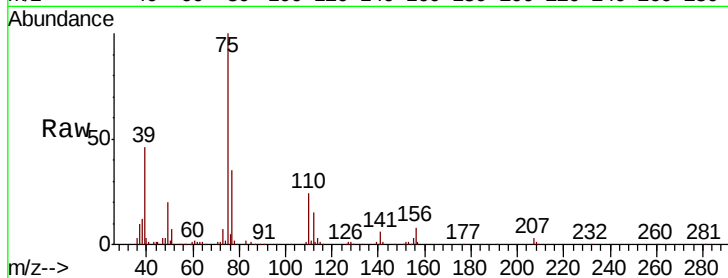
ClientSampleId :

Tot Ion: 75 Resp: 149173

Ion Ratio Lower Upper

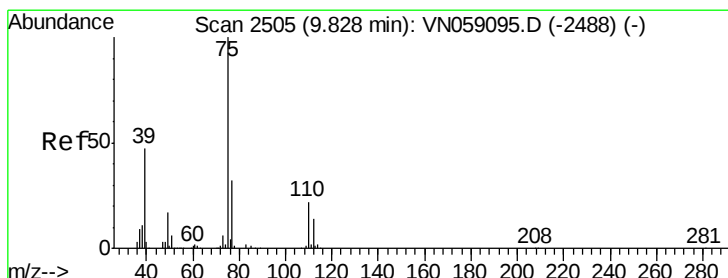
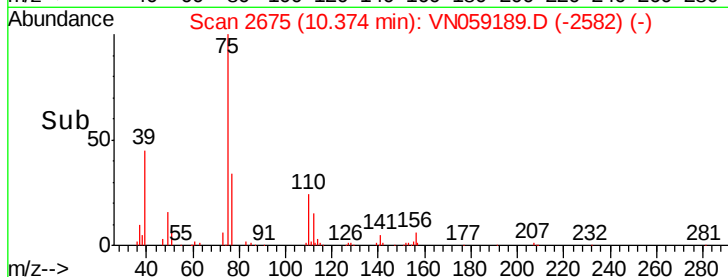
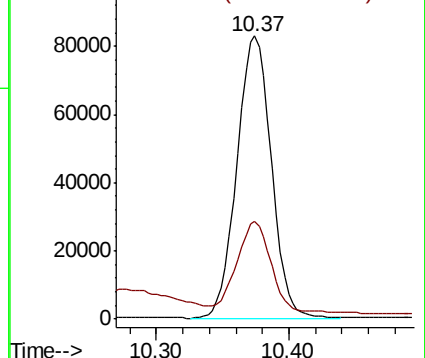
75 100

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

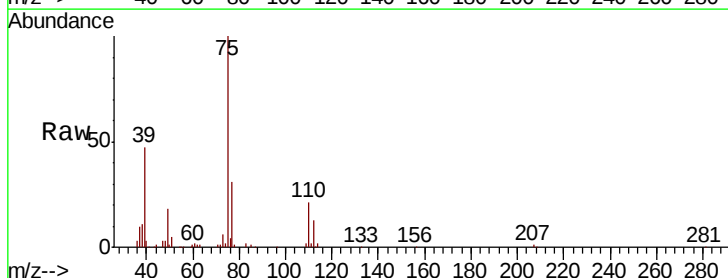
Tgt Ion: 75 Resp: 160991

Ion Ratio Lower Upper

75 100

77 31.2 25.5 38.3

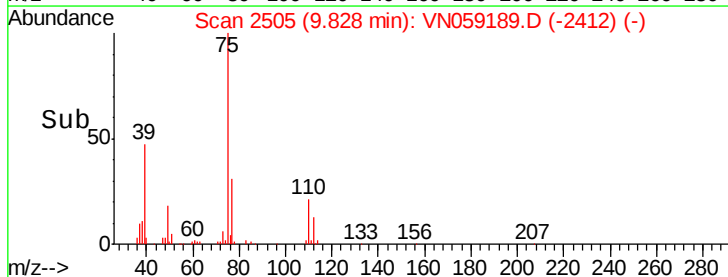
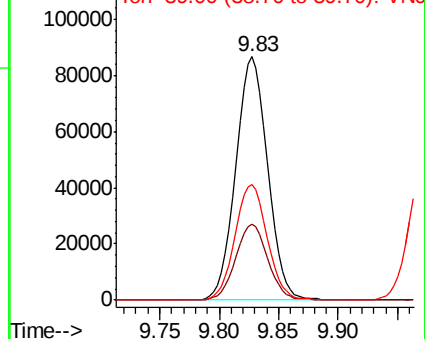
39 47.1 37.3 55.9

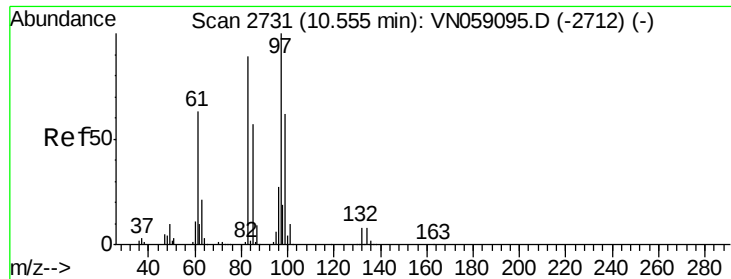


Abundance Ion 74.90 (74.60 to 75.60): VN0

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

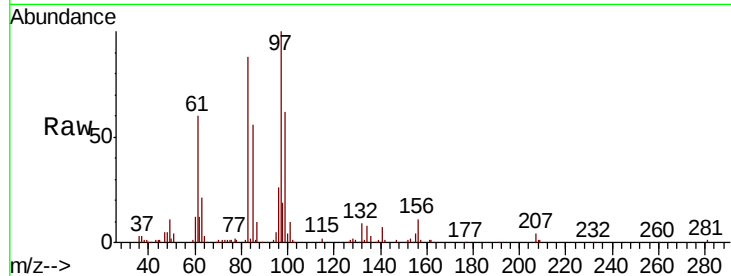
Instrument :

MSVOA_N

ClientSampleId :

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



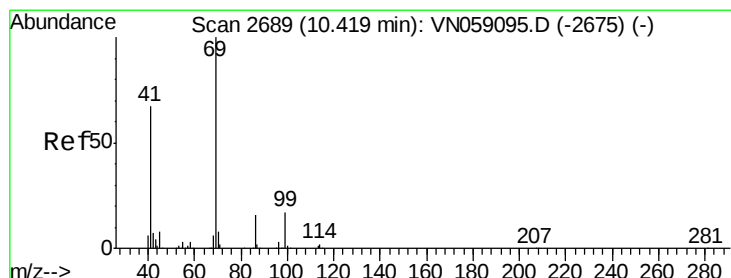
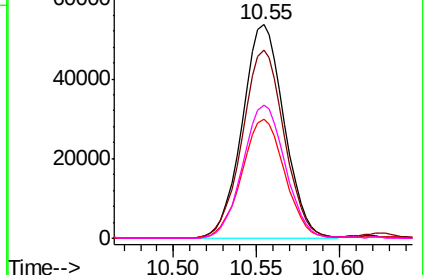
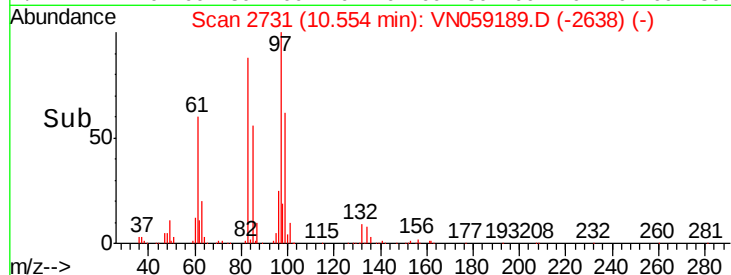
Abundance

Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 20.157 ug/l

RT: 10.42 min Scan# 2689

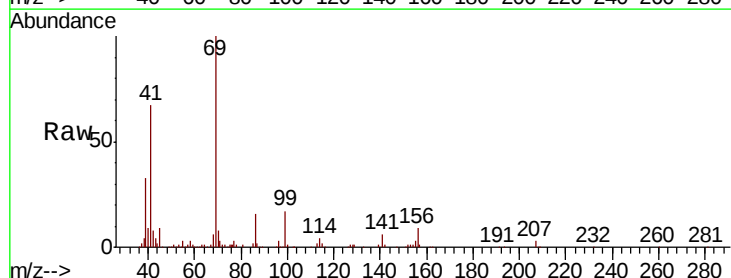
Delta R.T. 0.00 min

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

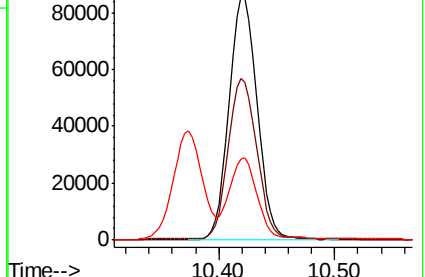
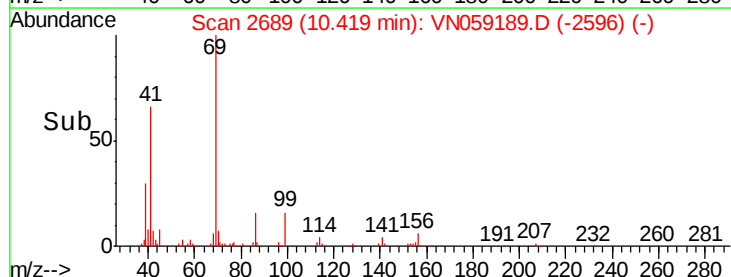


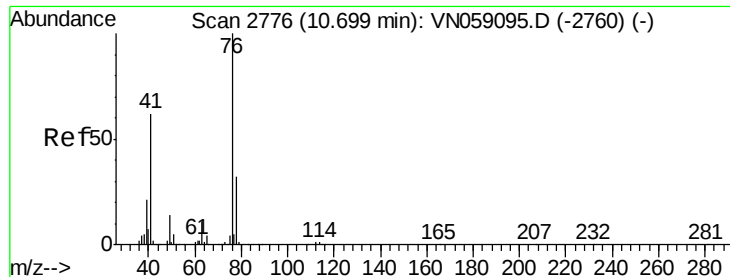
Abundance

Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#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

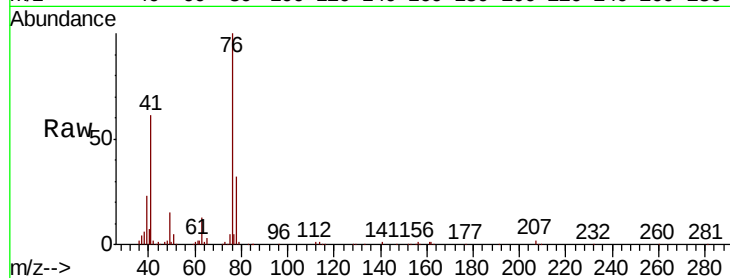
ClientSampled :

Tot Ion: 76 Resp: 163157

Ion Ratio Lower Upper

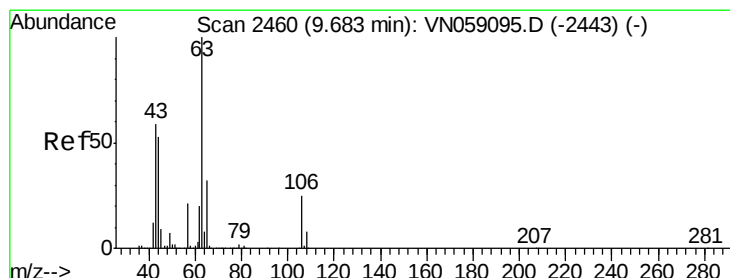
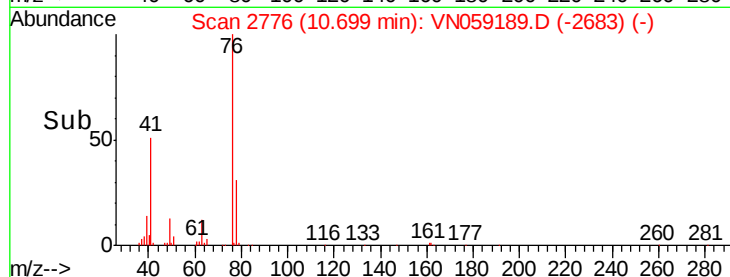
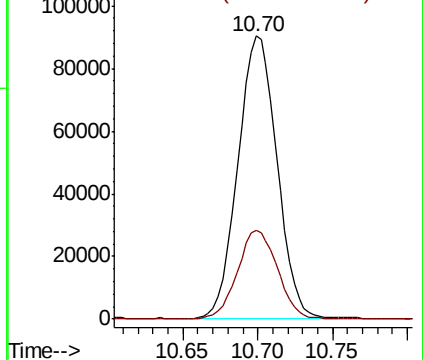
76 100

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

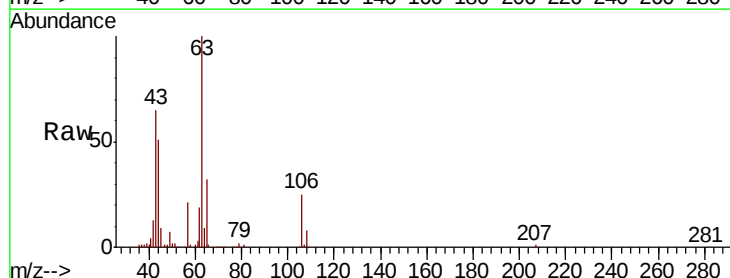
Acq: 12 Nov 2019 14:45

Tgt Ion: 63 Resp: 282431

Ion Ratio Lower Upper

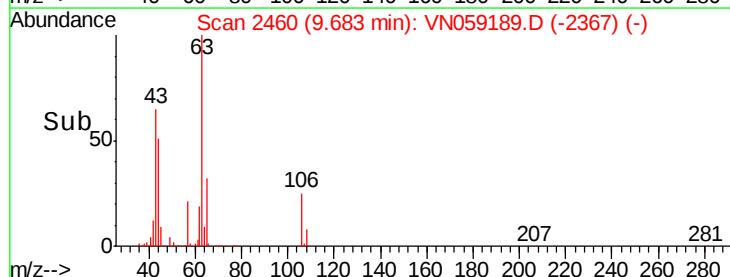
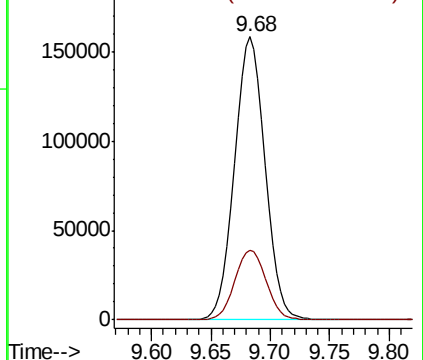
63 100

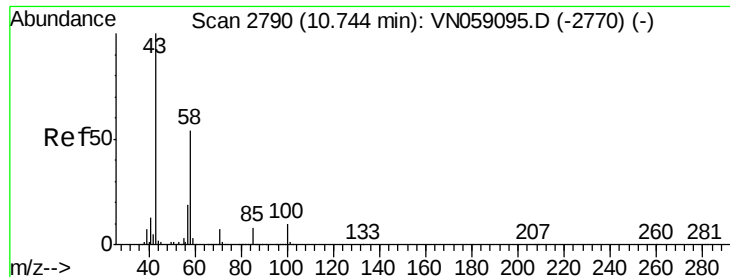
106 25.3 20.2 30.2



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

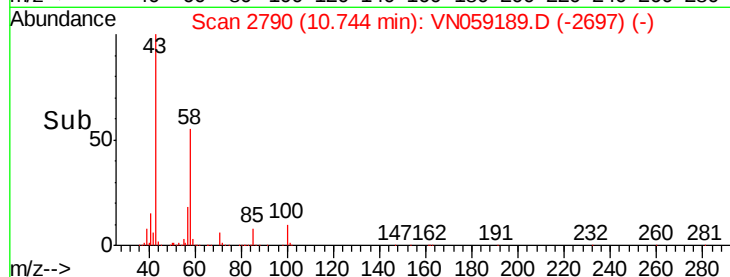
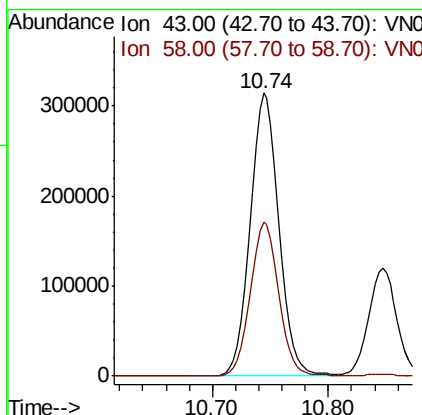
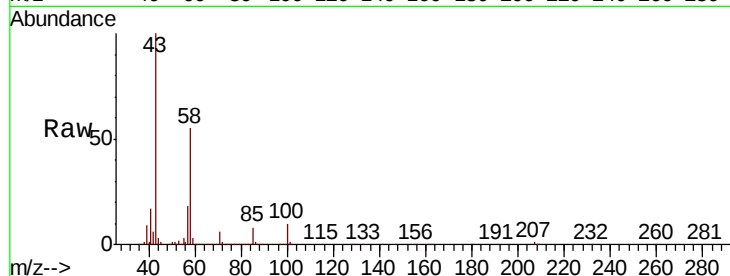




#59
2-Hexanone
Concen: 112.766 ug/l
RT: 10.74 min Scan# 2790
Delta R.T. -0.00 min
Lab File: VN059189.D
Acq: 12 Nov 2019 14:45

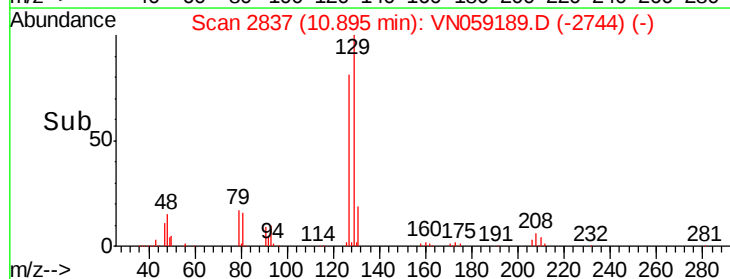
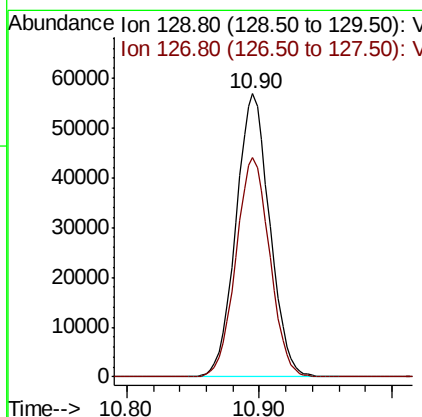
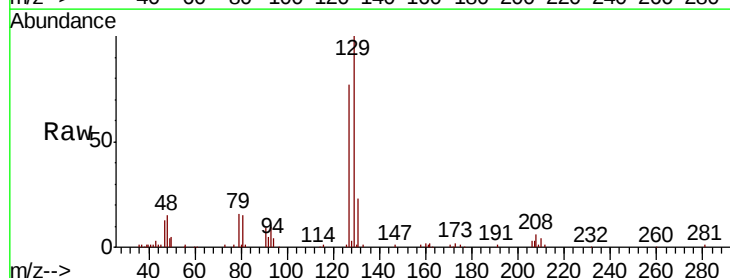
Instrument :
MSVOA_N
ClientSampleId :

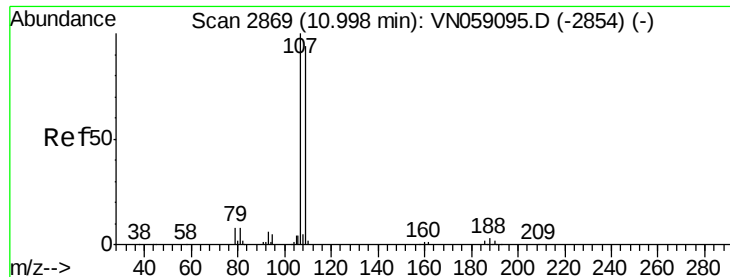
Tot Ion: 43 Resp: 543182
Ion Ratio Lower Upper
43 100
58 54.3 27.3 81.8



#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

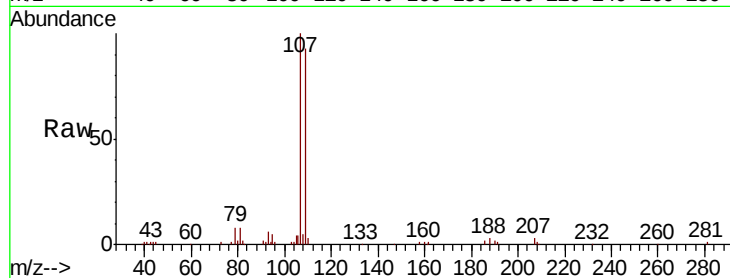
ClientSampled :

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

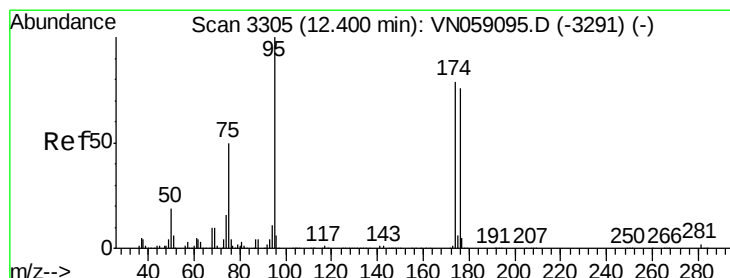
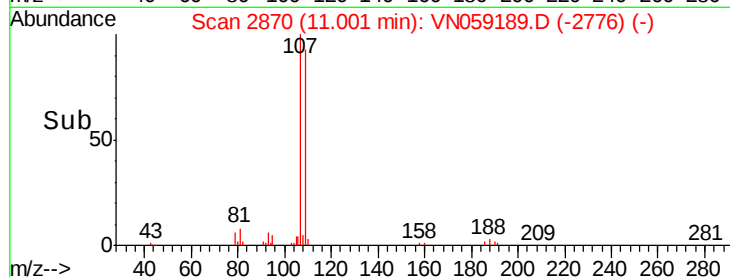
20000

10000

0

11.00

Time--> 10.90 11.00 11.10



#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

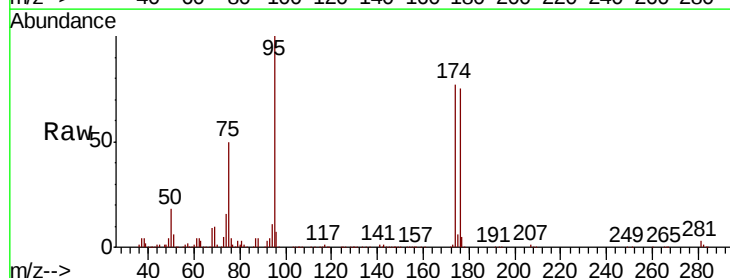
Tgt Ion: 95 Resp: 304536

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): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

250000

200000

150000

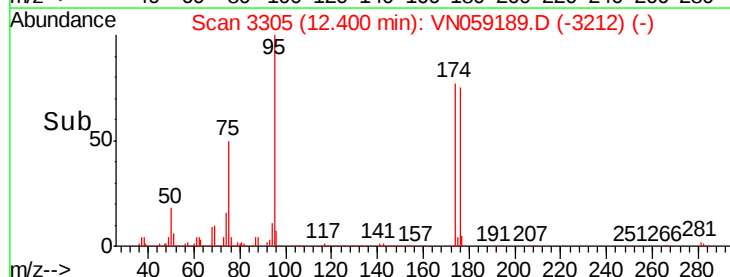
100000

50000

0

12.40

Time--> 12.30 12.40 12.50





#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 :

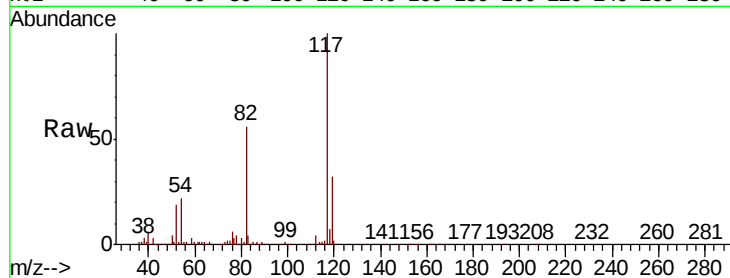
Tot Ion:117 Resp: 615071

Ion Ratio Lower Upper

117 100

82 56.1 45.8 68.8

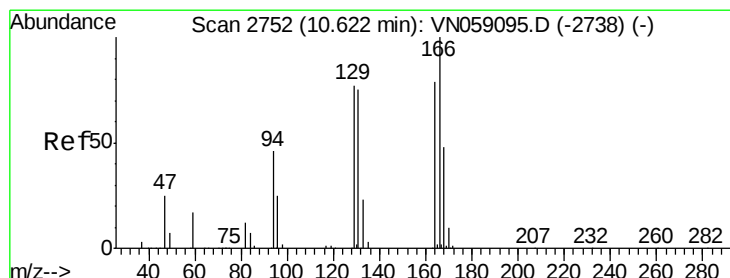
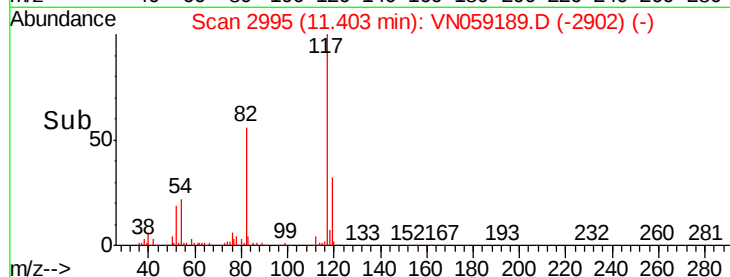
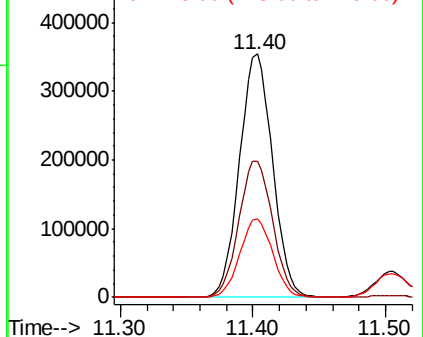
119 32.1 25.8 38.6



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VN

Ion 118.90 (118.60 to 119.60): V



#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

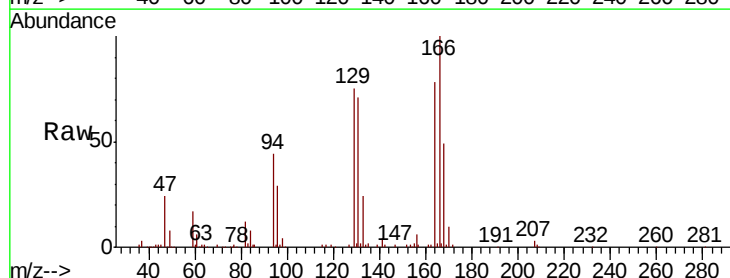
Ion Ratio Lower Upper

164 100

166 127.9 101.5 152.3

129 95.1 78.3 117.5

131 90.5 75.9 113.9

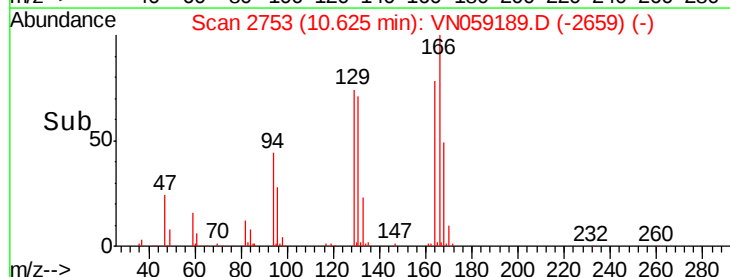
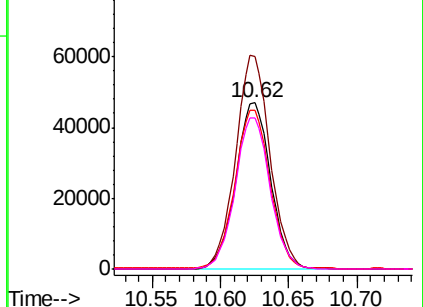


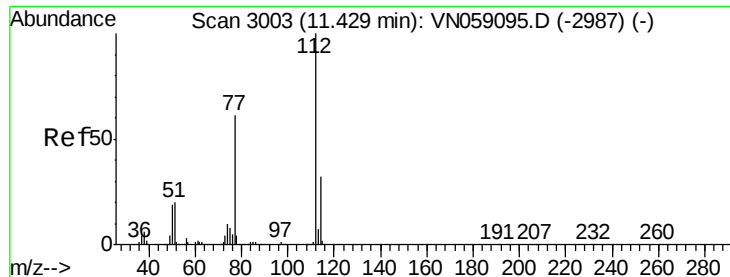
Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 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

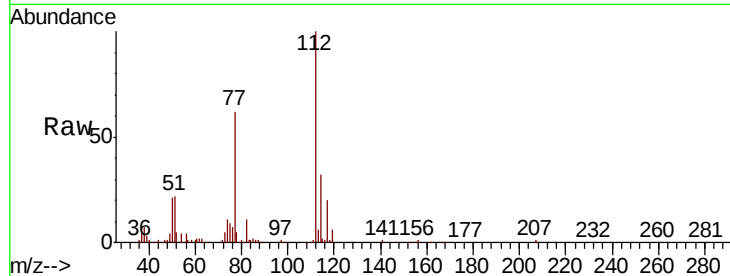
ClientSampleId :

Tot Ion:112 Resp: 244405

Ion Ratio Lower Upper

112 100

114 32.0 25.2 37.8



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

11.43

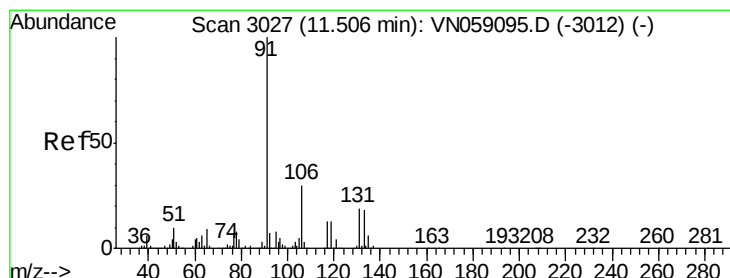
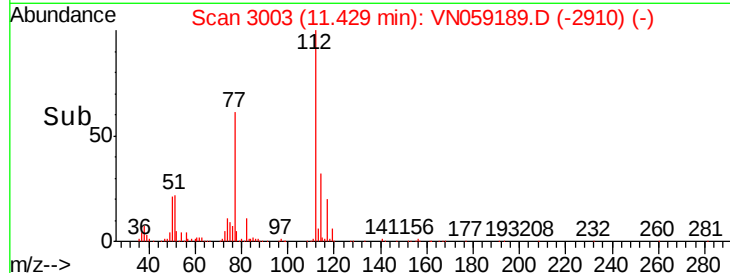
150000

100000

50000

0

Time-->



#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

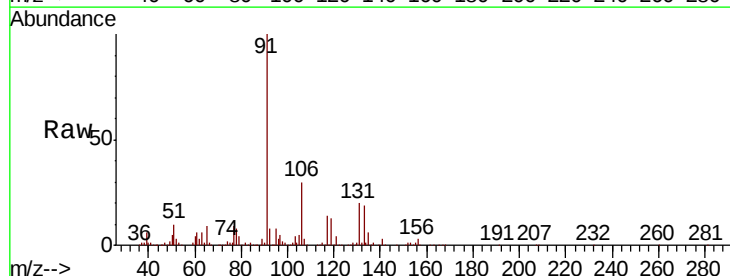
Tgt Ion:131 Resp: 91734

Ion Ratio Lower Upper

131 100

133 98.0 47.4 142.3

119 67.8 33.2 99.6



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

120000

100000

80000

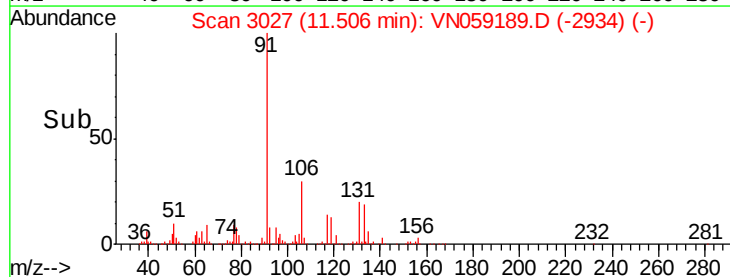
60000

40000

20000

0

Time-->





#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

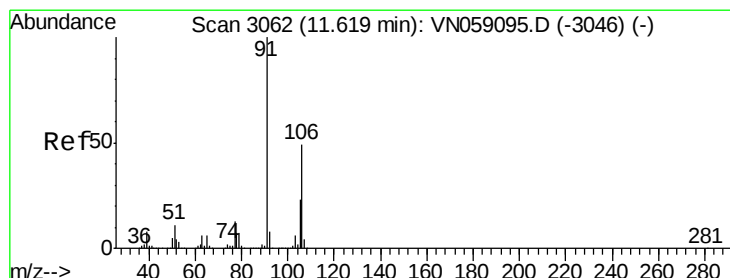
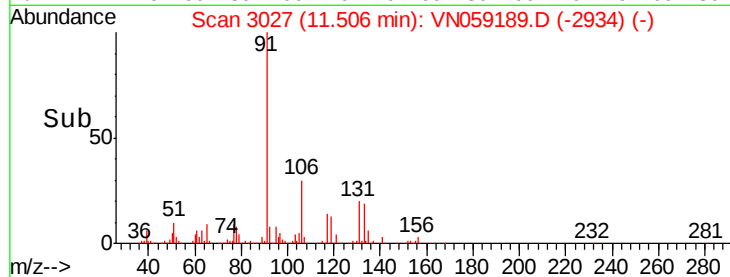
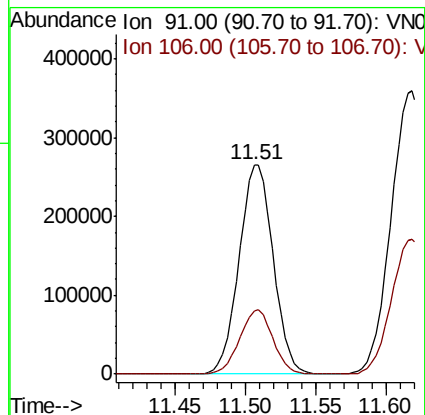
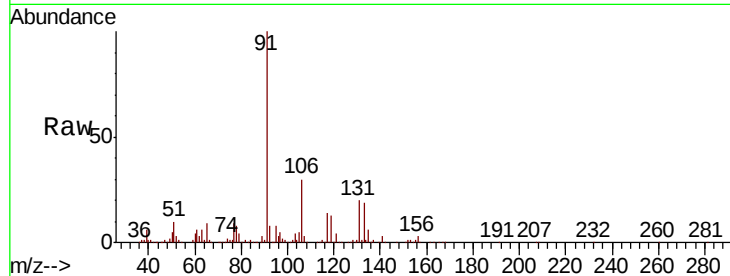
ClientSampled :

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

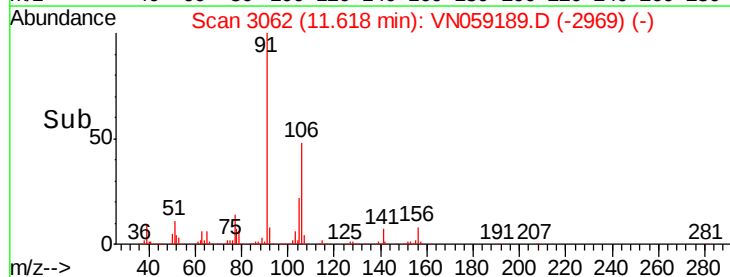
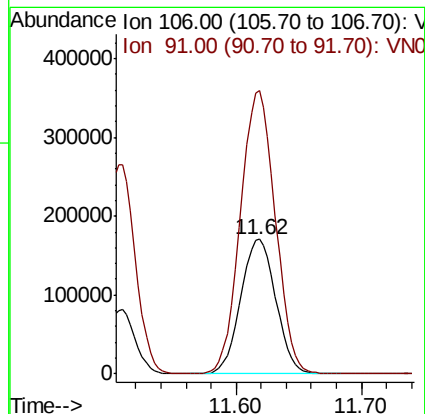
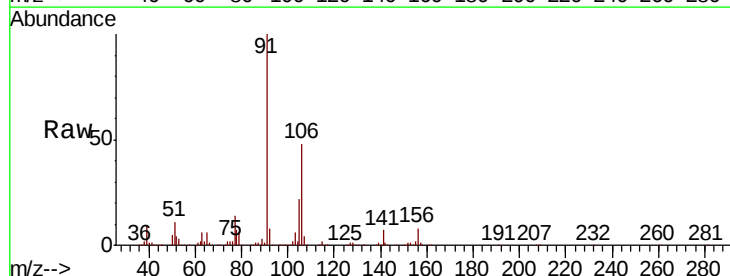
Acq: 12 Nov 2019 14:45

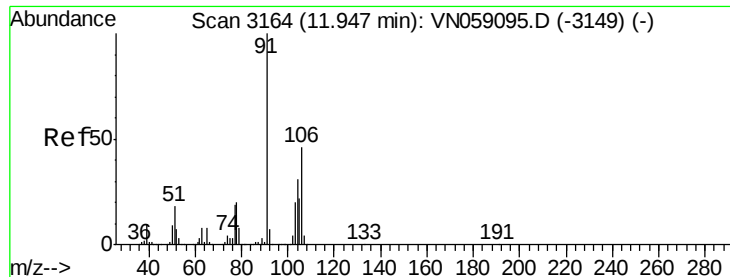
Tgt Ion: 106 Resp: 331529

Ion Ratio Lower Upper

106 100

91 209.1 164.7 247.1

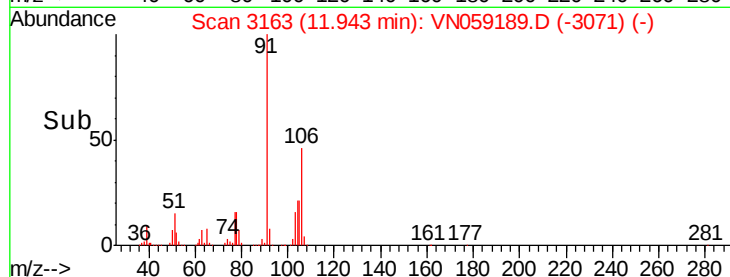
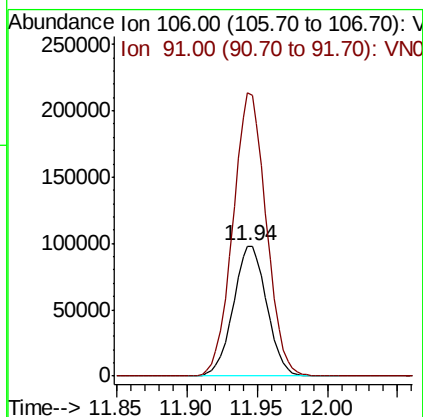
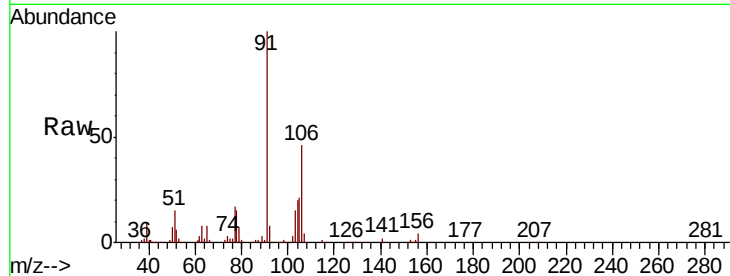




#69
o-Xylene
Concen: 21.219 ug/l
RT: 11.94 min Scan# 3163
Delta R.T. -0.00 min
Lab File: VN059189.D
Acq: 12 Nov 2019 14:45

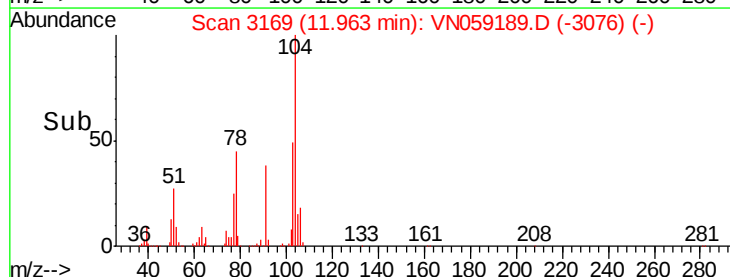
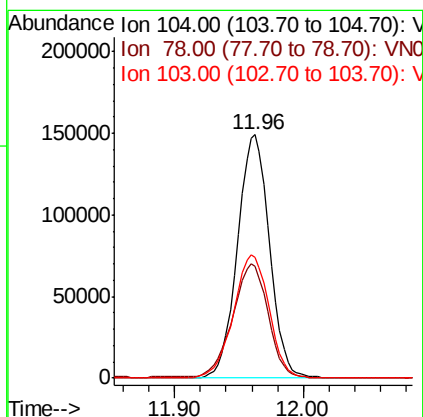
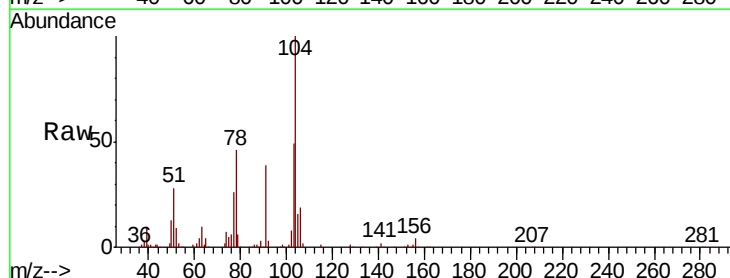
Instrument :
MSVOA_N
ClientSampled :

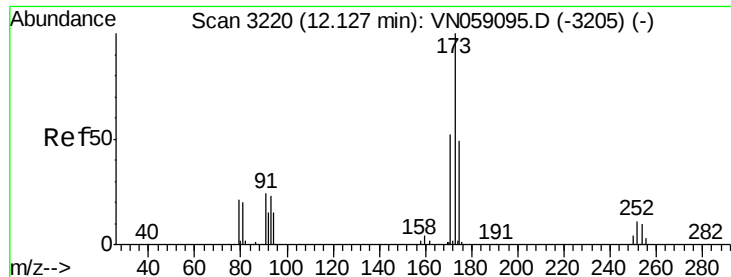
Tot Ion:106 Resp: 163403
Ion Ratio Lower Upper
106 100
91 215.3 110.1 330.3



#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

ClientSampled :

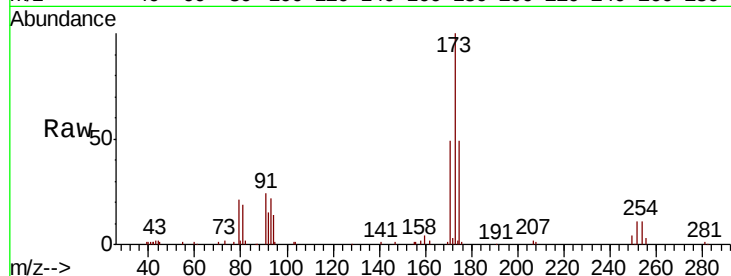
Tot Ion:173 Resp: 72113

Ion Ratio Lower Upper

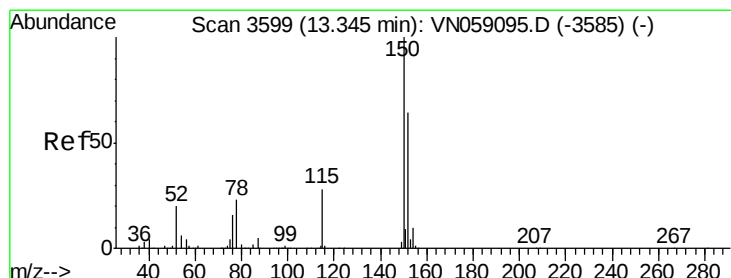
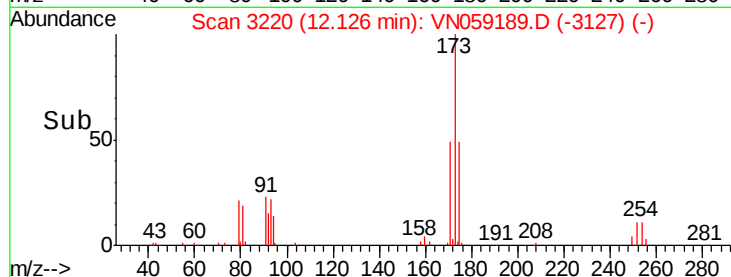
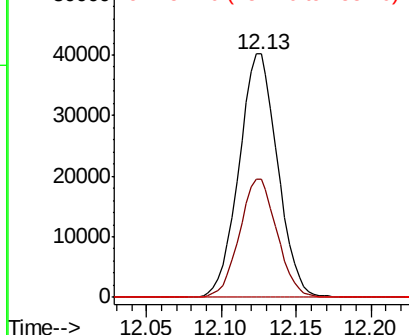
173 100

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

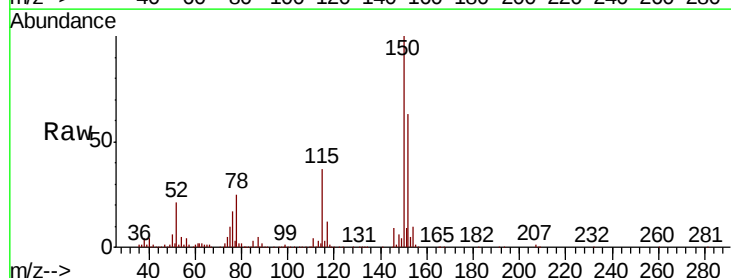
Tgt Ion:152 Resp: 284138

Ion Ratio Lower Upper

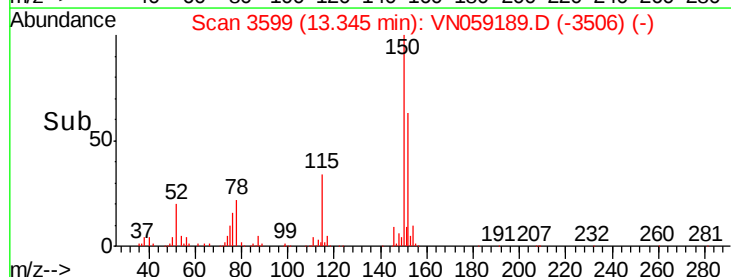
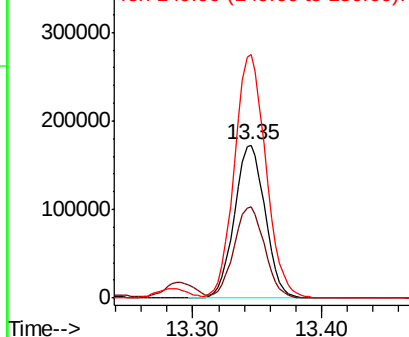
152 100

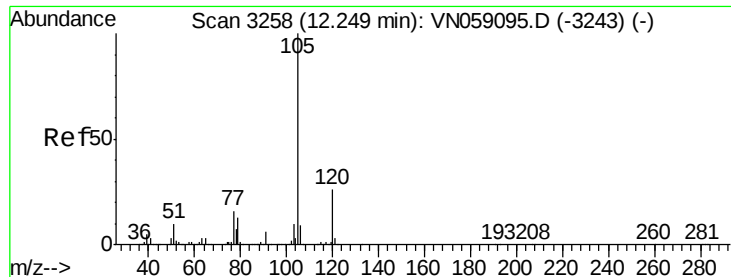
115 59.5 29.4 88.2

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

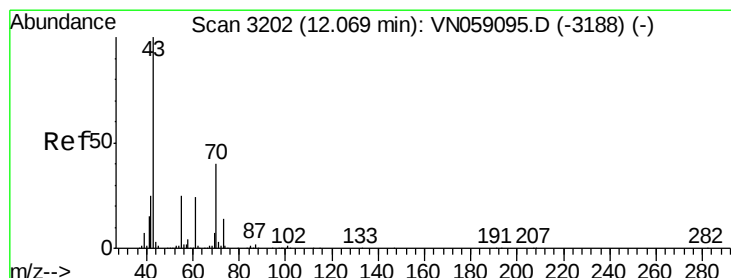
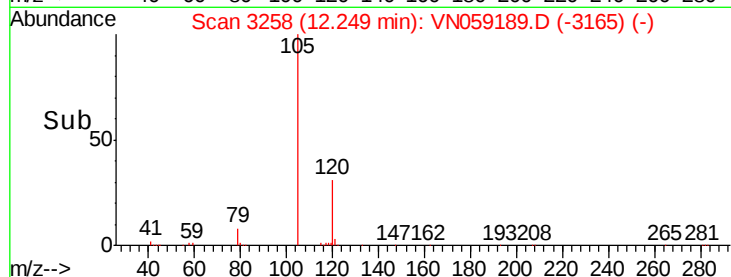
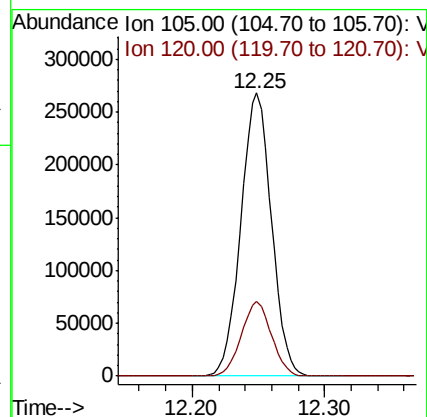
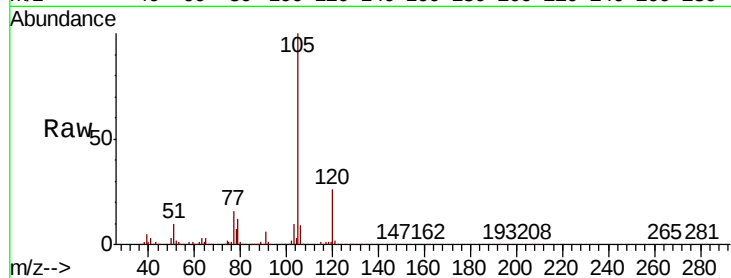
ClientSampleId :

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

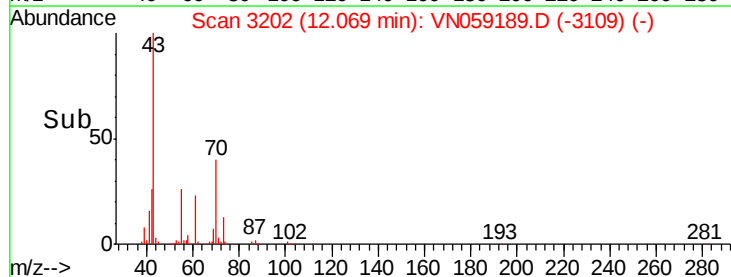
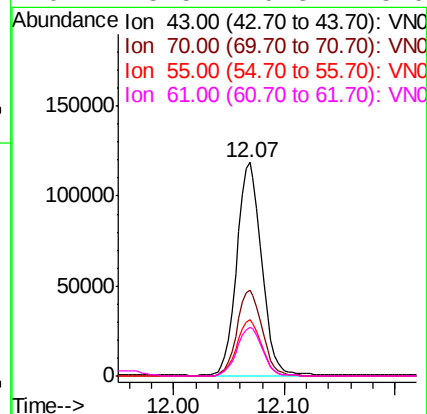
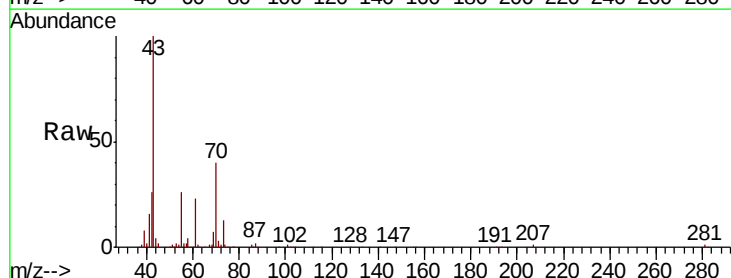
Ion Ratio Lower Upper

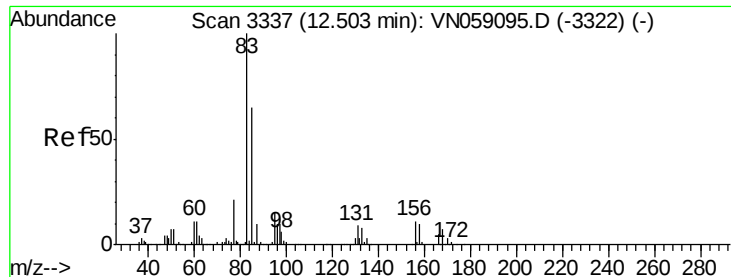
43 100

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 :

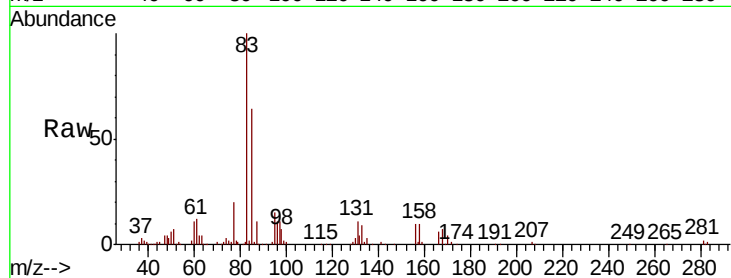
Tot Ion: 83 Resp: 148623

Ion Ratio Lower Upper

83 100

131 10.1 4.9 14.6

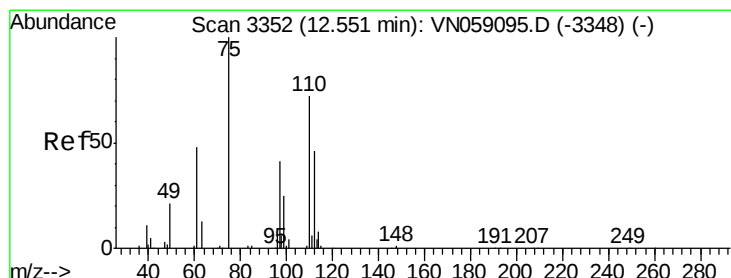
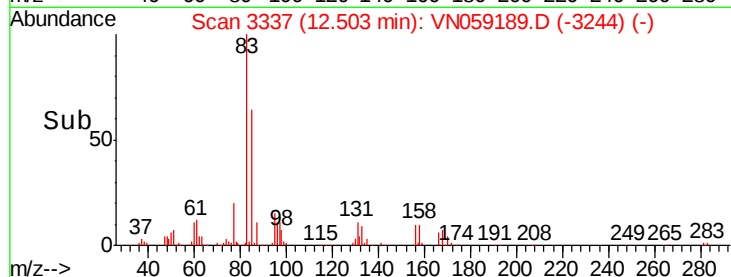
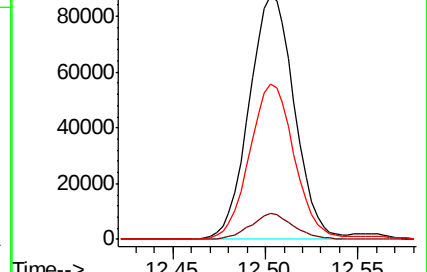
85 63.4 32.4 97.2



Abundance Ion 82.90 (82.60 to 83.60): VN059189.D (-3322) (-)

Ion 130.80 (130.50 to 131.50): VN059189.D (-3322) (-)

Ion 84.90 (84.60 to 85.60): VN059189.D (-3322) (-)



#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

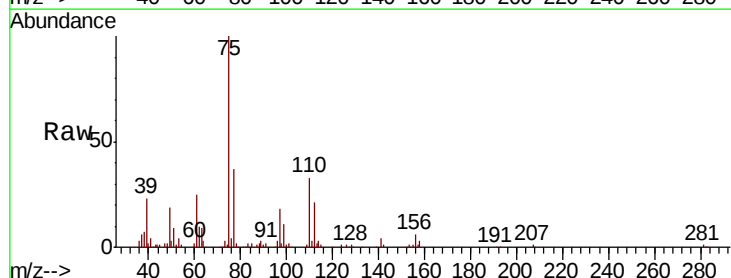
Acq: 12 Nov 2019 14:45

Tgt Ion: 75 Resp: 195275

Ion Ratio Lower Upper

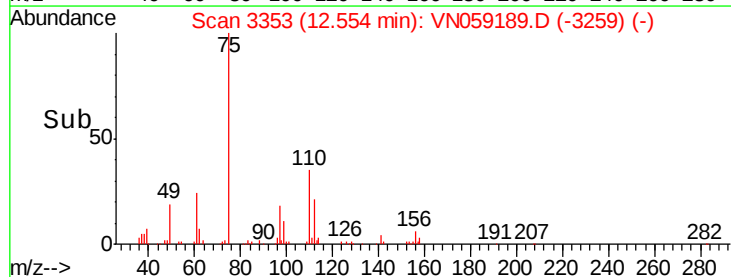
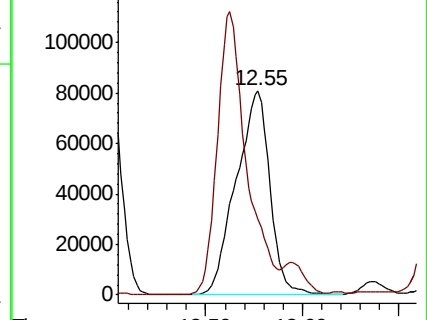
75 100

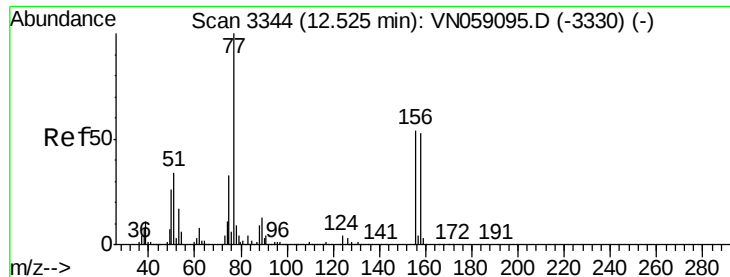
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN059189.D (-3352) (-)

Ion 77.00 (76.70 to 77.70): VN059189.D (-3352) (-)





#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

ClientSampled :

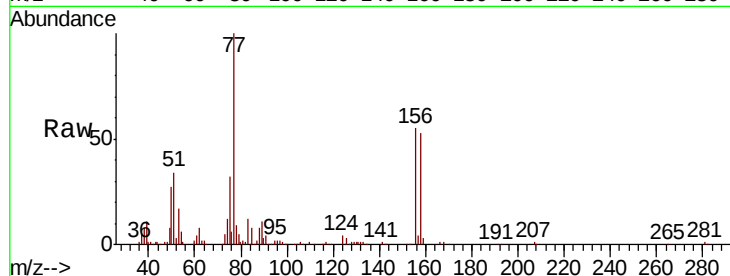
Tot Ion:156 Resp: 109872

Ion Ratio Lower Upper

156 100

77 216.7 112.8 338.3

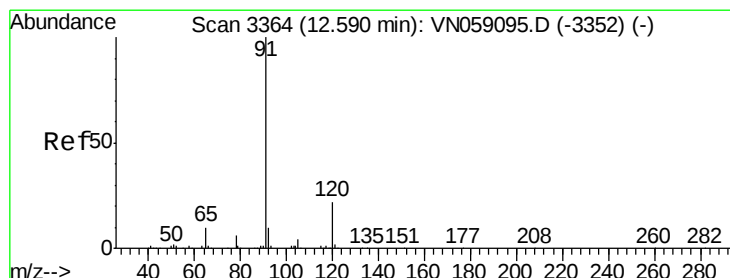
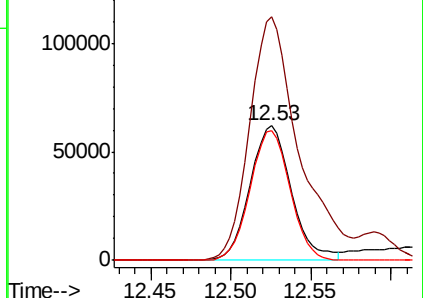
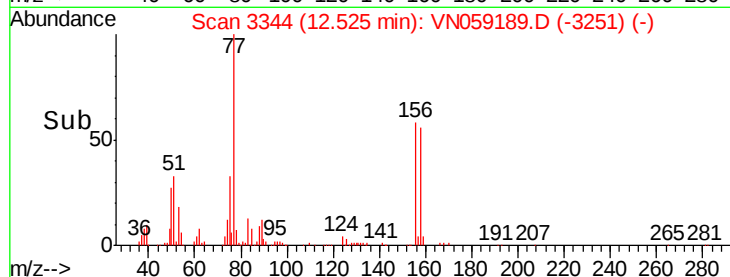
158 92.7 48.4 145.3



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

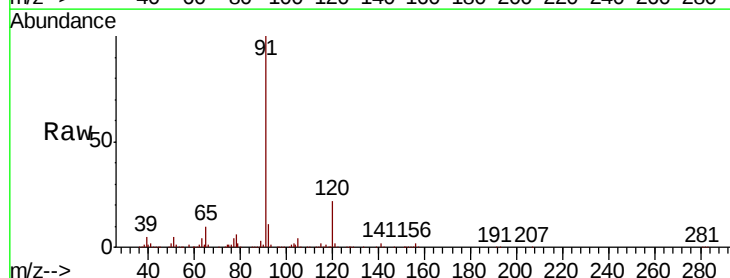
Acq: 12 Nov 2019 14:45

Tgt Ion: 91 Resp: 500457

Ion Ratio Lower Upper

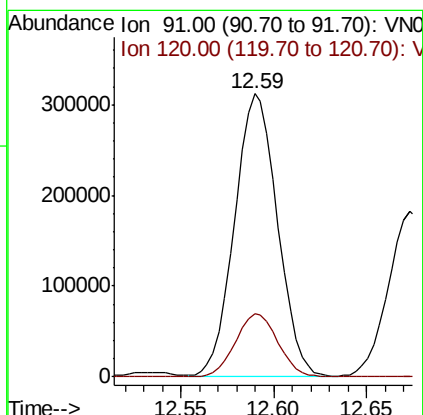
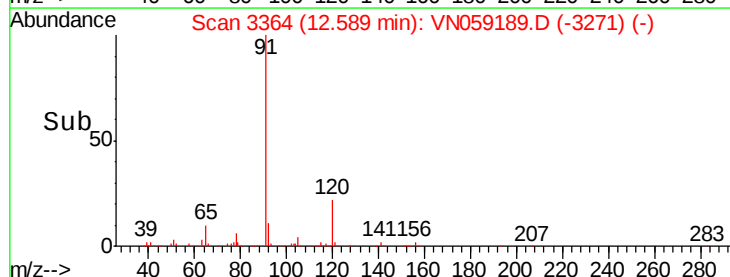
91 100

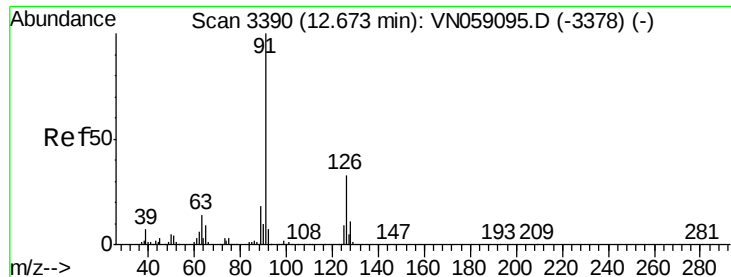
120 22.1 11.2 33.5



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

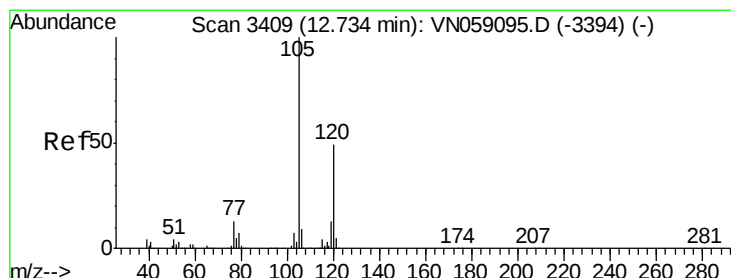
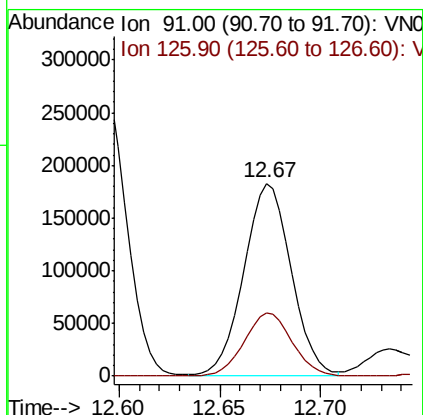
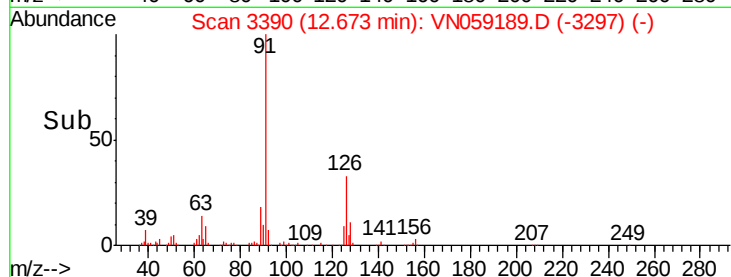
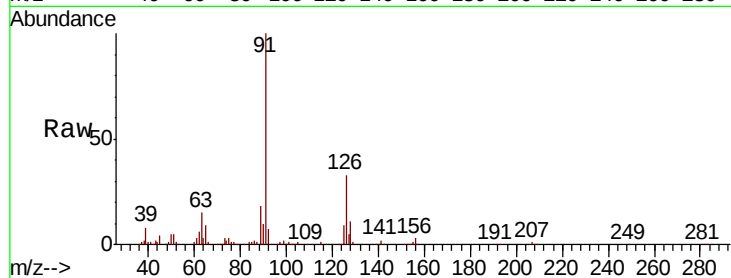
ClientSampleId :

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

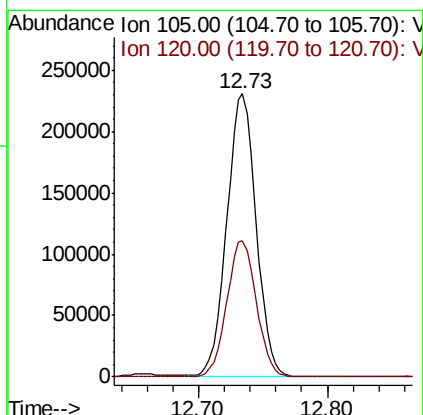
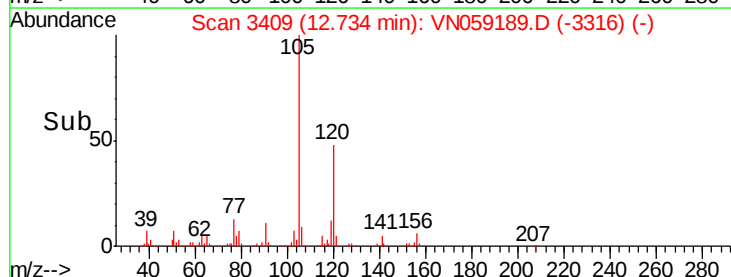
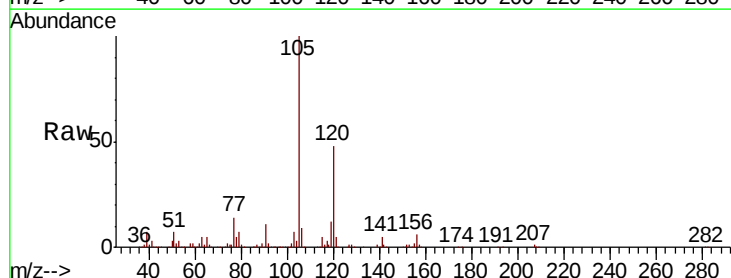
Acq: 12 Nov 2019 14:45

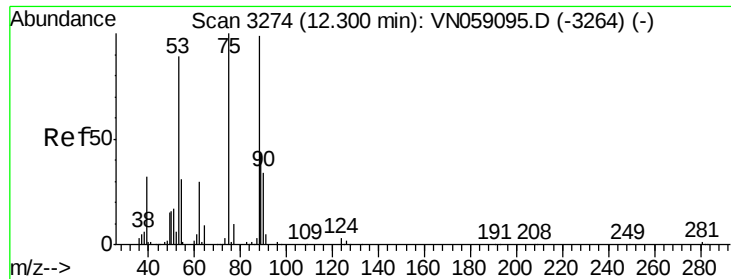
Tgt Ion: 105 Resp: 363099

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 :

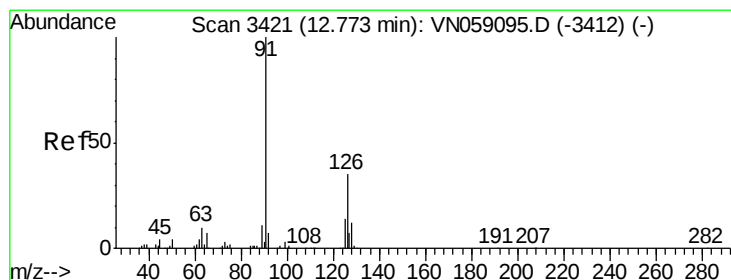
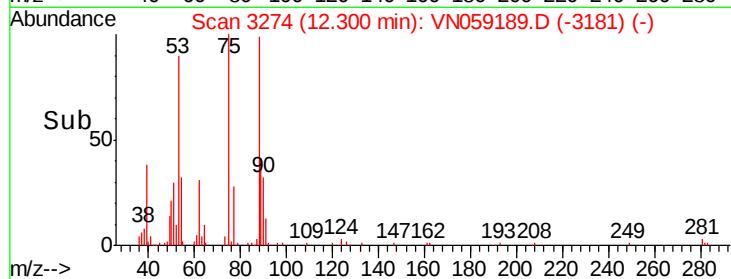
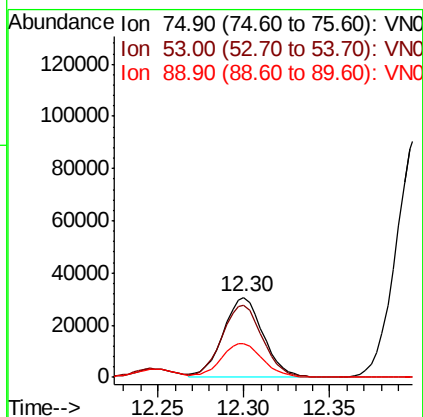
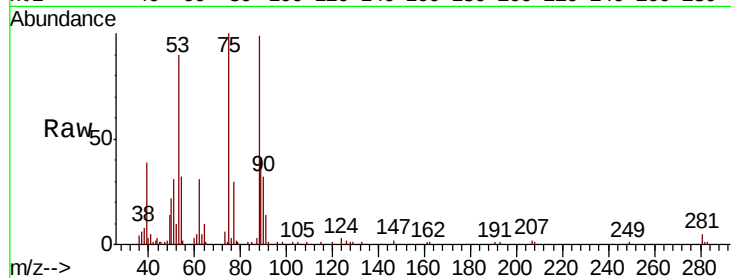
Tot Ion: 75 Resp: 49374

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

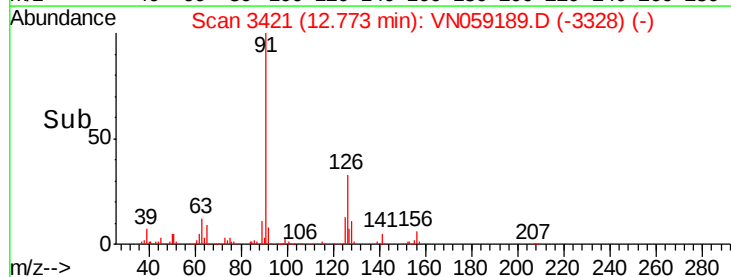
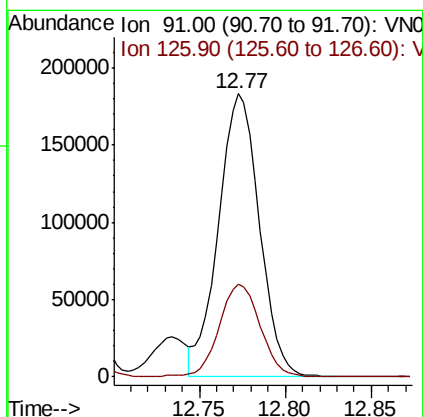
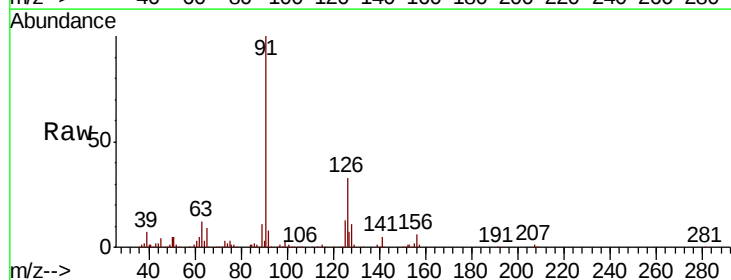
Acq: 12 Nov 2019 14:45

Tgt Ion: 91 Resp: 301749

Ion Ratio Lower Upper

91 100

126 32.7 16.1 48.2

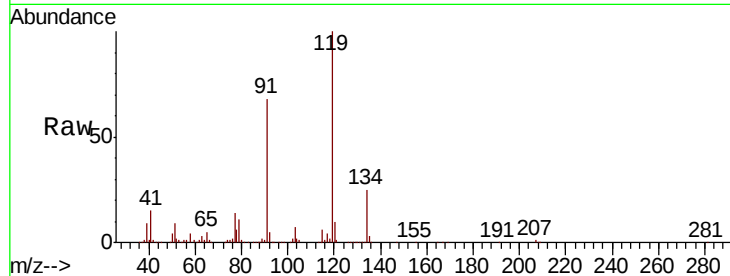




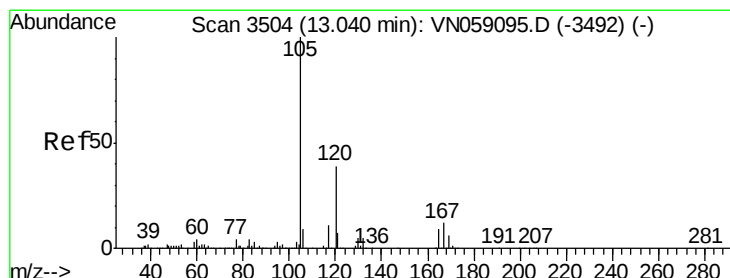
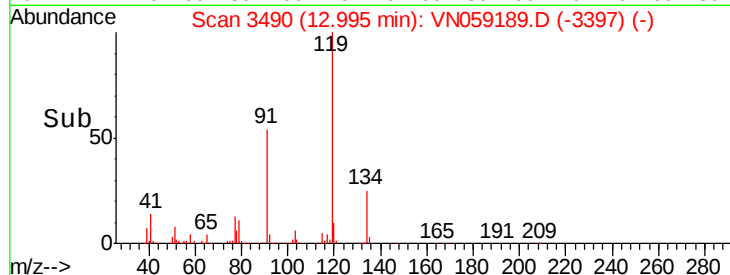
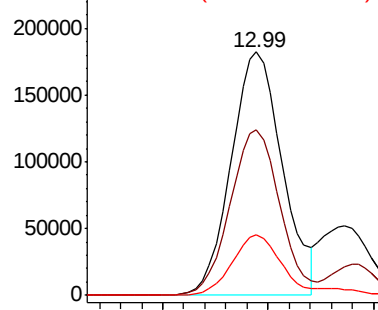
#83
 tert-Butylbenzene
 Concen: 20.418 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. -0.00 min
 Lab File: VN059189.D
 Acq: 12 Nov 2019 14:45

Instrument :
 MSVOA_N
 ClientSampleId :

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

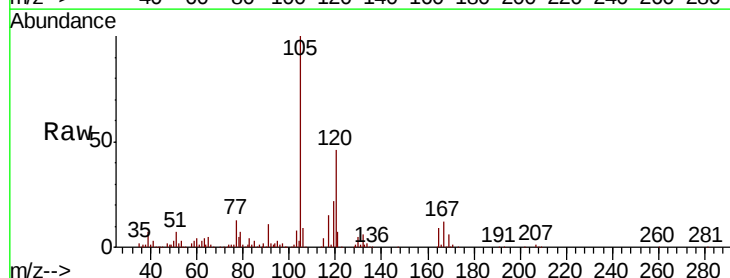


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

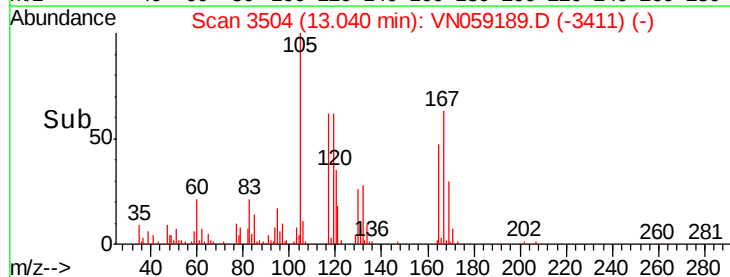
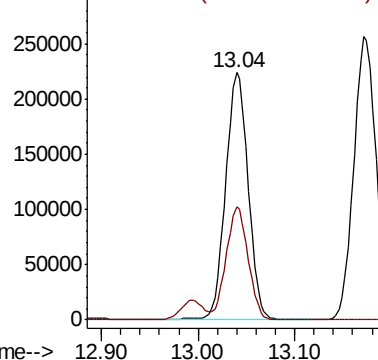


#84
 1,2,4-Trimethylbenzene
 Concen: 21.416 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN059189.D
 Acq: 12 Nov 2019 14:45

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

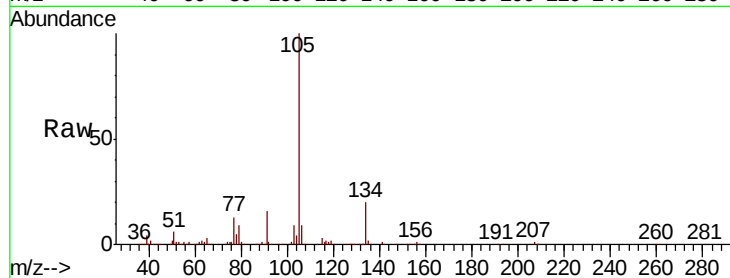
ClientSampleId :

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

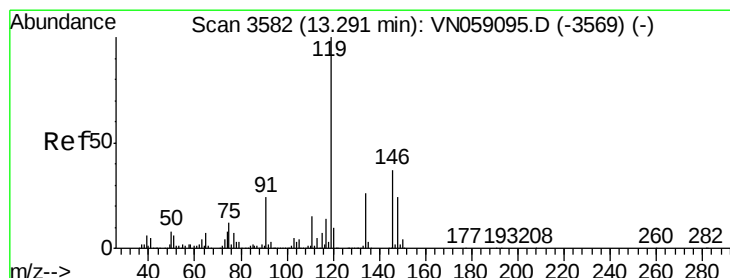
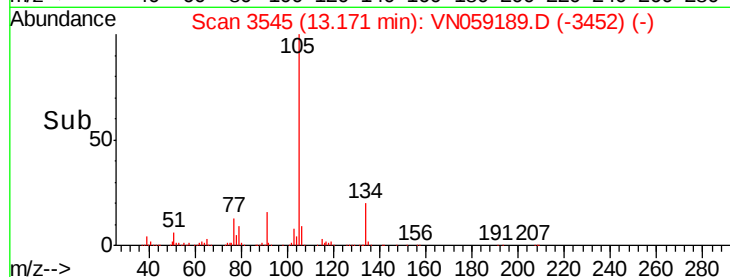
150000

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

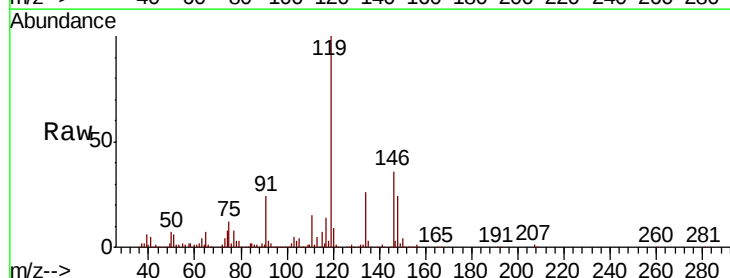
Tgt Ion:119 Resp: 371994

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

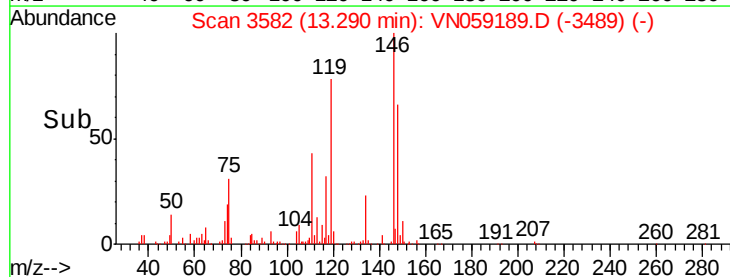
150000

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

ClientSampled :

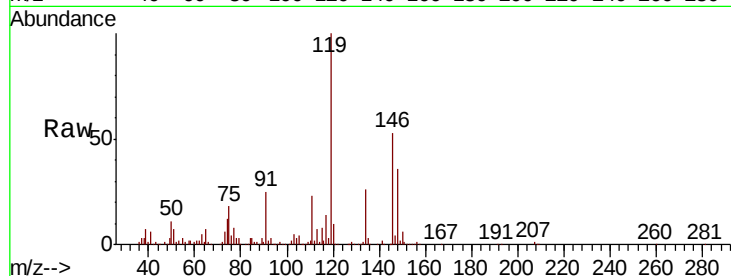
Tot Ion:146 Resp: 177812

Ion	Ratio	Lower	Upper
146	100		
111	42.2	20.4	61.3
148	66.0	32.2	96.6

146 100

111 42.2 20.4 61.3

148 66.0 32.2 96.6

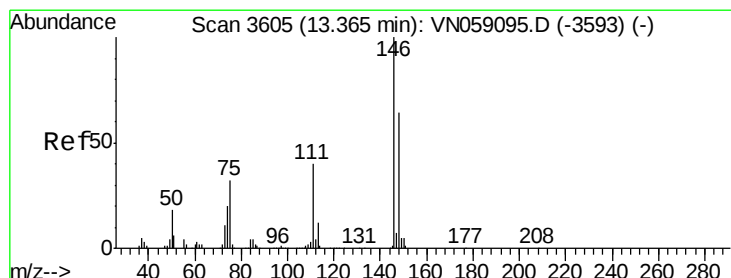
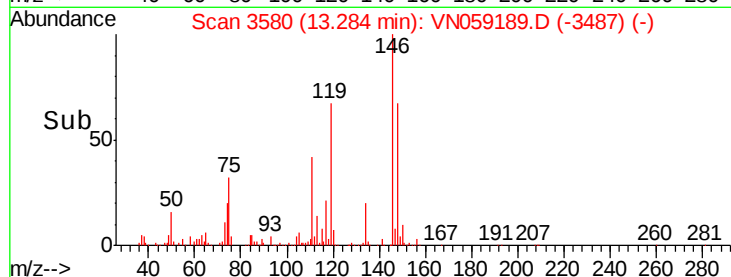
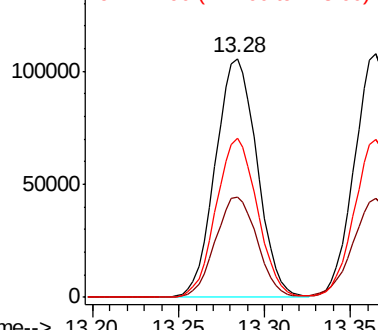


Abundance

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

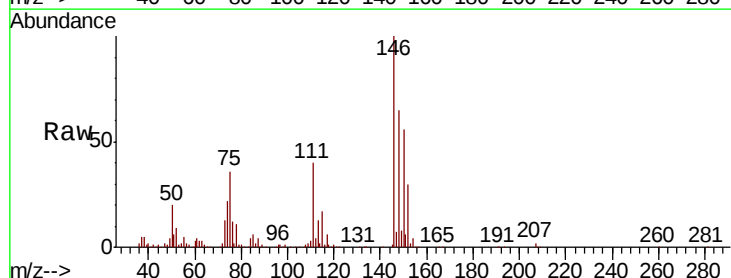
Tgt Ion:146 Resp: 179153

Ion	Ratio	Lower	Upper
146	100		
111	41.9	20.3	60.9
148	64.9	31.9	95.7

146 100

111 41.9 20.3 60.9

148 64.9 31.9 95.7

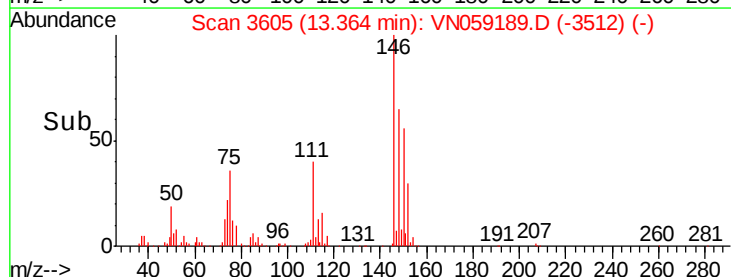
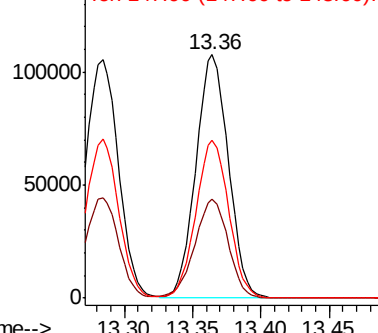


Abundance

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

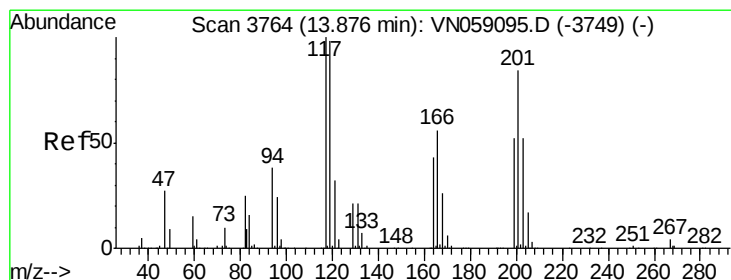
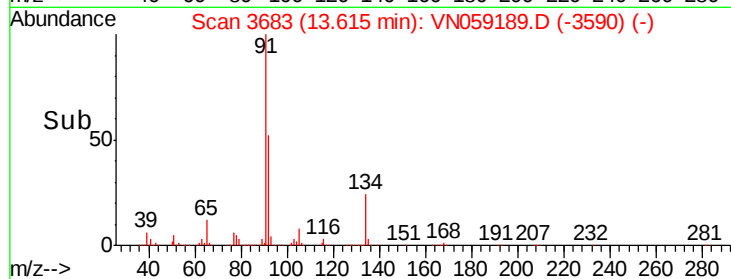
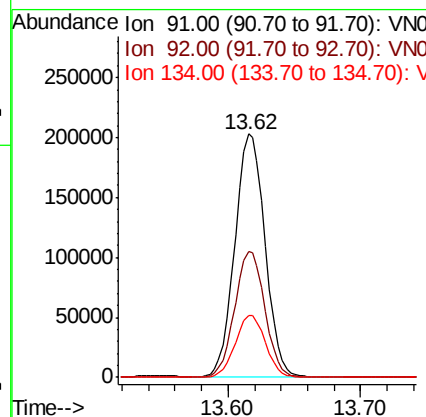
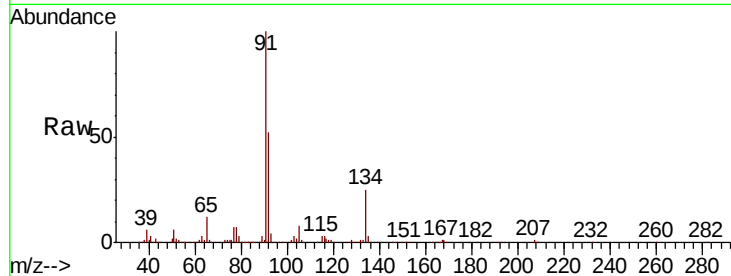




#89
n-Butylbenzene
Concen: 20.995 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. -0.00 min
Lab File: VN059189.D
Acq: 12 Nov 2019 14:45

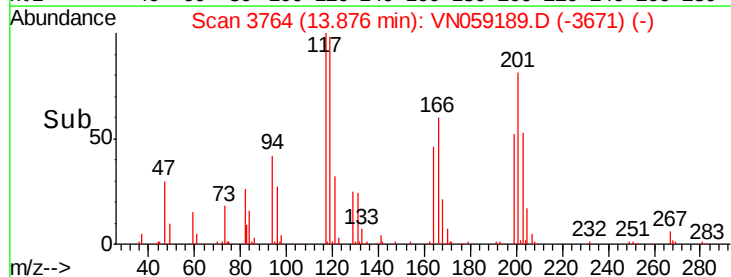
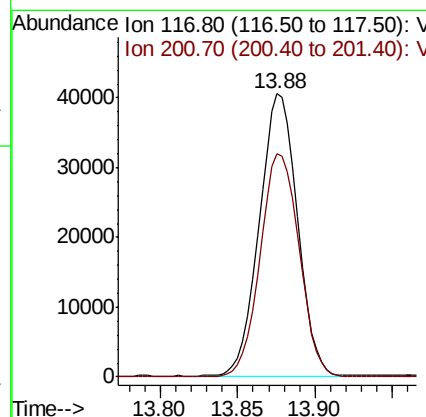
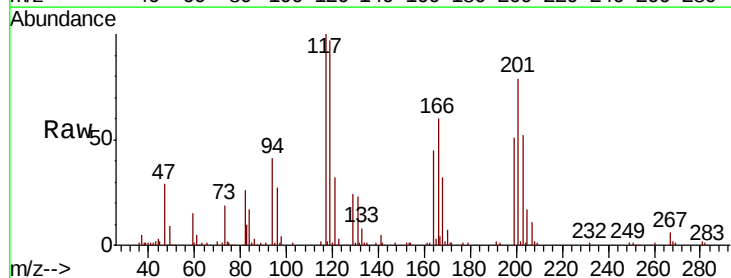
Instrument :
MSVOA_N
ClientSampled :

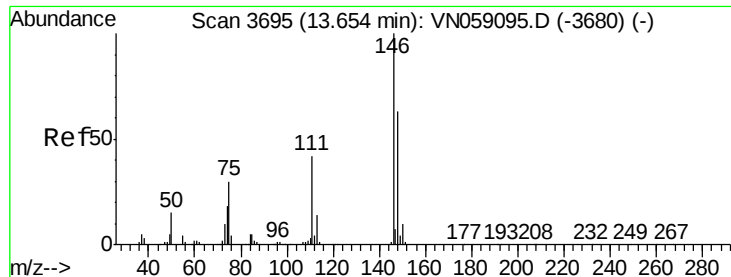
Tot Ion: 91 Resp: 319136
Ion Ratio Lower Upper
91 100
92 52.1 26.1 78.3
134 25.6 12.6 37.8



#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

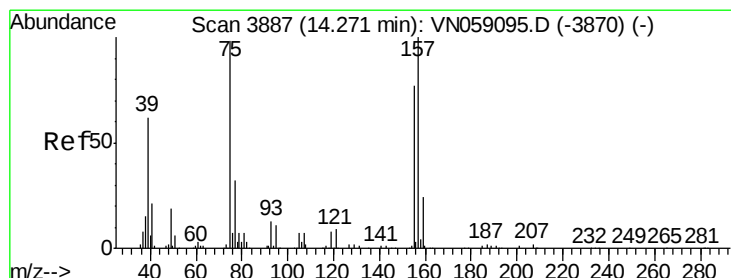
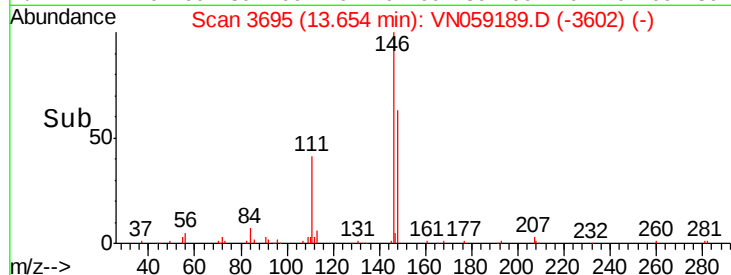
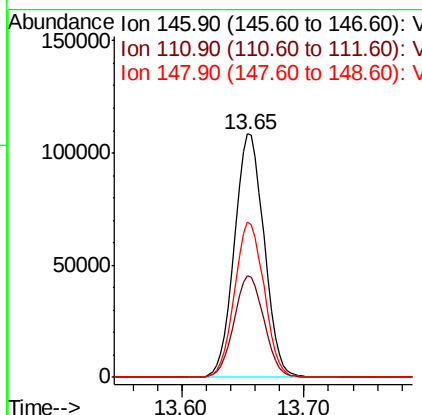
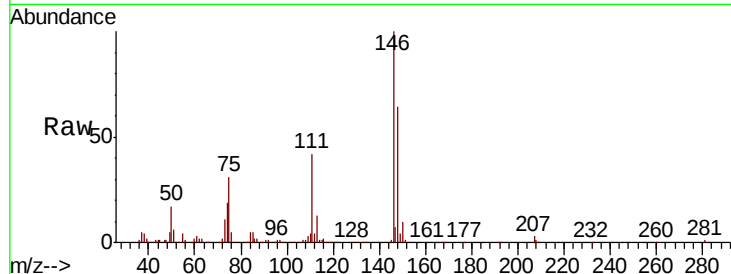




#91
 1,2-Dichlorobenzene
 Concen: 20.944 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. -0.00 min
 Lab File: VN059189.D
 Acq: 12 Nov 2019 14:45

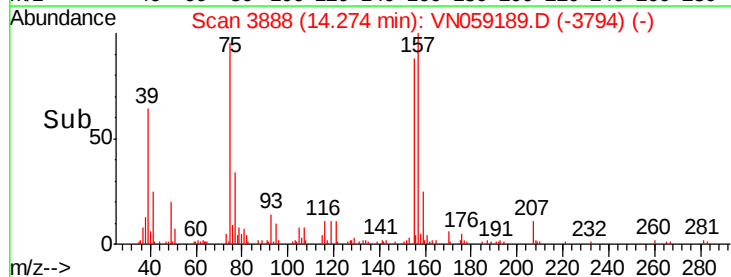
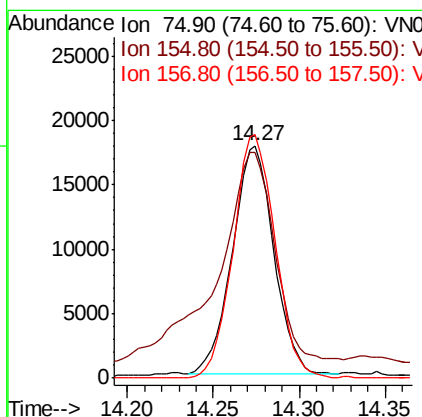
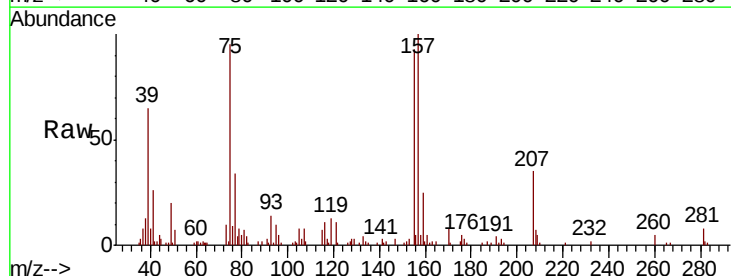
Instrument :
 MSVOA_N
 ClientSampleId :

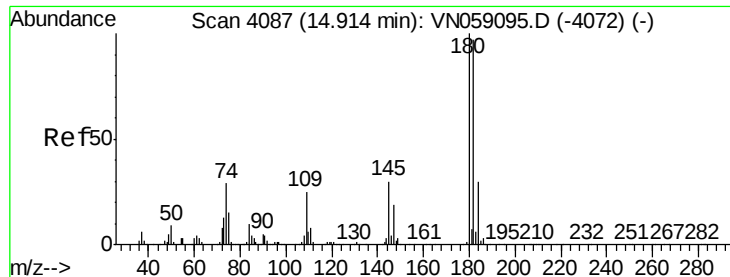
Tot Ion	Ratio	Lower	Upper
146	100		
111	42.1	21.2	63.6
148	63.7	31.6	94.7



#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

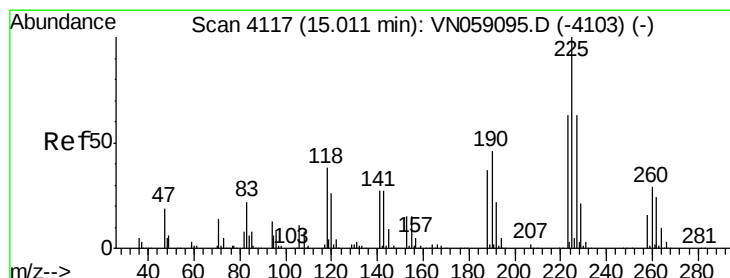
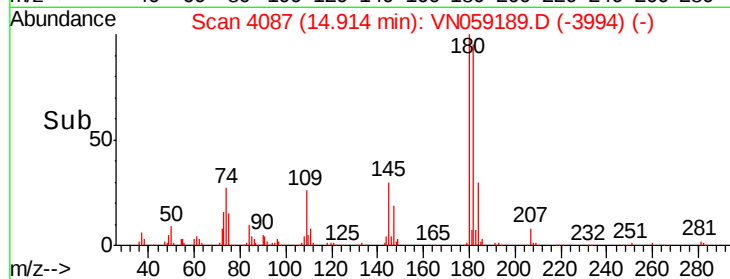
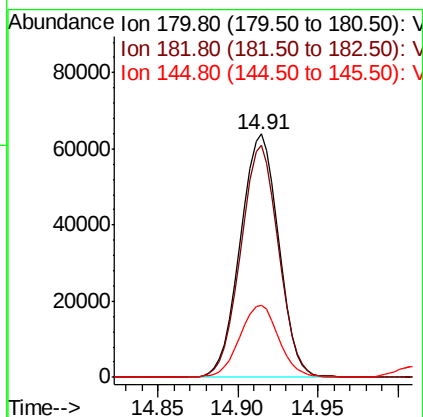
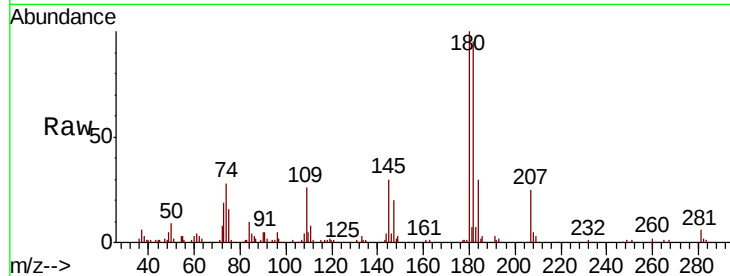




#93
 1,2,4-Trichlorobenzene
 Concen: 21.506 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN059189.D
 Acq: 12 Nov 2019 14:45

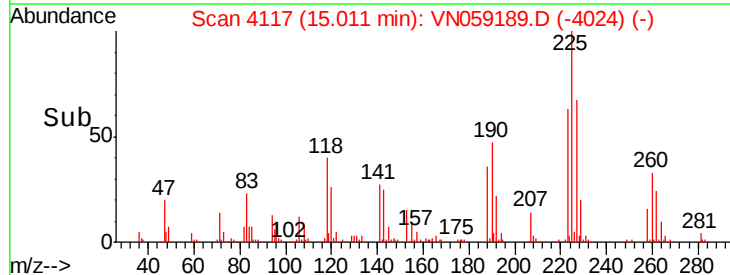
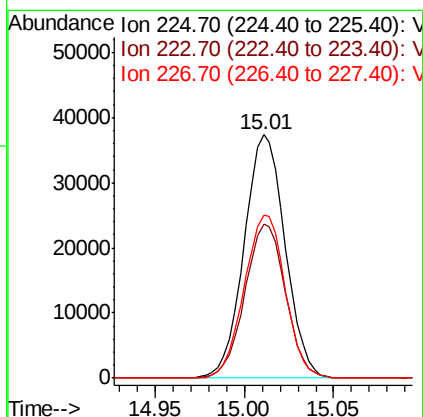
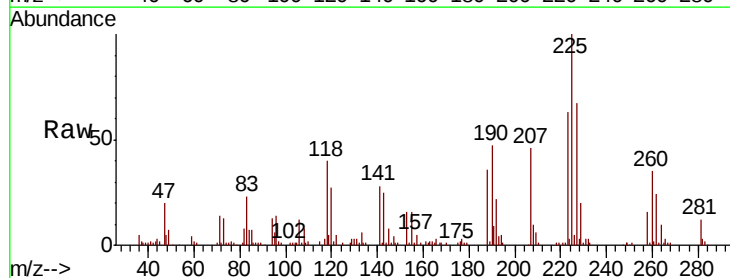
Instrument :
 MSVOA_N
 ClientSampleId :

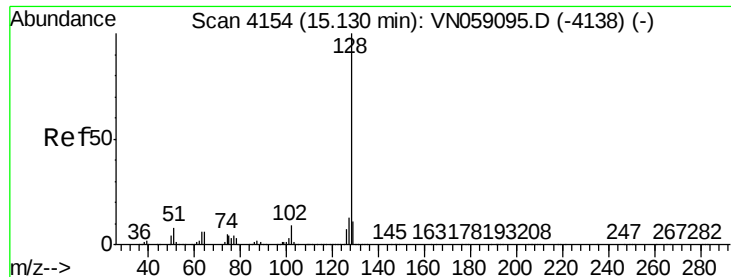
Tot Ion	Ratio	Lower	Upper
180	100		
182	94.3	48.1	144.3
145	30.3	15.1	45.3



#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	Ratio	Lower	Upper
225	100		
223	62.8	31.3	93.9
227	66.9	31.5	94.5





#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 :

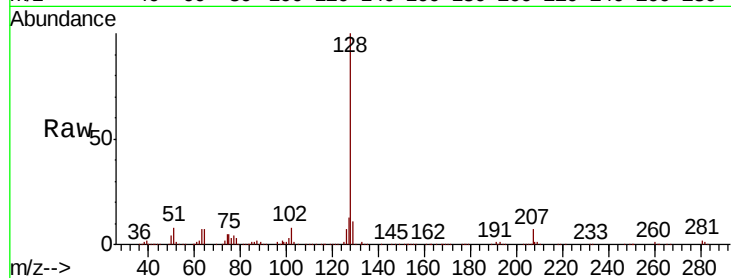
Tot Ion:128 Resp: 525533

Ion Ratio Lower Upper

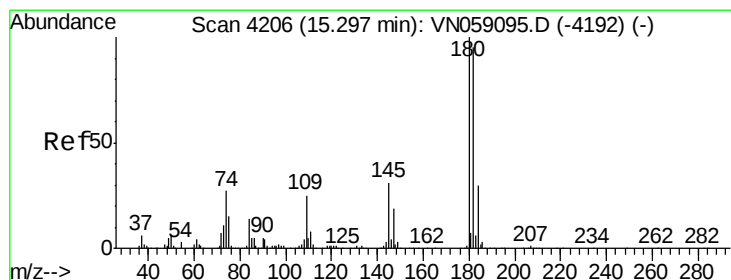
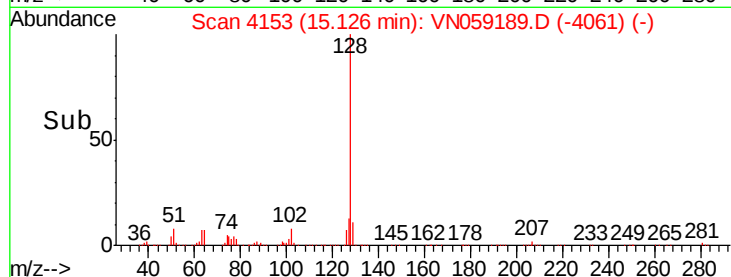
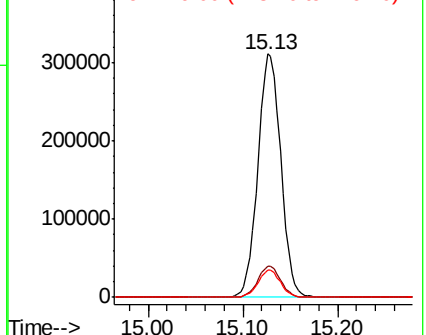
128 100

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

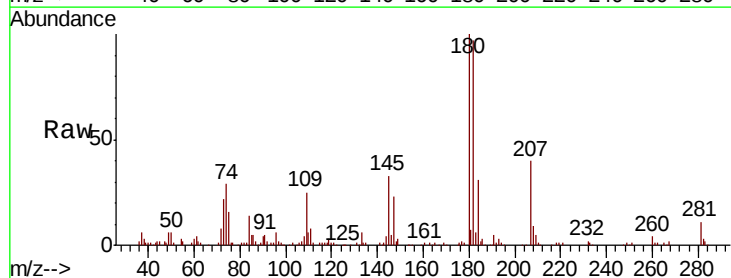
Tgt Ion:180 Resp: 105868

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

