

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN051319\
 Data File : VN055575.D
 Acq On : 13 May 2019 13:19
 Operator : JC/SP
 Sample : K2704-05
 Misc : 5.53µ/5mL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 SB-1(25.5)

Quant Time: May 14 01:48:37 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N050819W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 10 06:48:32 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	778574	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1335787	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1157261	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	558661	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.02	65	510852	43.58	ug/l	0.00
Spiked Amount			Recovery	=	87.16%	
35) Dibromofluoromethane	7.59	113	389955	45.25	ug/l	0.00
Spiked Amount			Recovery	=	90.50%	
50) Toluene-d8	10.09	98	1667362	49.65	ug/l	0.00
Spiked Amount			Recovery	=	99.30%	
62) 4-Bromofluorobenzene	12.40	95	591631	52.25	ug/l	0.00
Spiked Amount			Recovery	=	104.50%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	3.61	56	927	0.804	ug/l #	35
15) Acrylonitrile	5.01	53	1303	0.243	ug/l #	28
16) Acetone	3.83	43	5556	1.024	ug/l #	76
17) Carbon Disulfide	4.03	76	6002	0.258	ug/l	98
18) Methyl Acetate	4.33	43	10062	Below Cal	#	91
20) Methylene Chloride	4.54	84	2946	0.265	ug/l	96
25) 2-Butanone	6.85	43	3131	0.418	ug/l #	85
29) Tetrahydrofuran	7.23	42	1614	0.326	ug/l #	86
31) Cyclohexane	7.65	56	118418	6.259	ug/l #	90
36) 1,1-Dichloropropene	7.66	75	62114	4.720	ug/l #	51
38) Carbon Tetrachloride	7.66	117	70973	6.405	ug/l #	16
39) Methylcyclohexane	9.08	83	429597	26.774	ug/l	98
40) Benzene	8.04	78	9521	0.233	ug/l	94
43) Isopropyl Acetate	8.14	43	14976	0.687	ug/l #	63
45) 1,2-Dichloropropane	9.08	63	4665	0.399	ug/l #	1
47) Bromodichloromethane	9.37	83	6110	0.472	ug/l #	24
48) Methyl methacrylate	9.14	41	11939	1.136	ug/l #	33
49) 1,4-Dioxane	9.20	88	223	1.089	ug/l #	1
51) 4-Methyl-2-Pentanone	9.99	43	20834	1.453	ug/l	98
52) Toluene	10.15	92	6335	0.271	ug/l	91
55) 1,1,2-Trichloroethane	10.53	97	132401	13.995	ug/l #	18
56) Ethyl methacrylate	10.43	69	54571	3.878	ug/l #	12
58) 2-Chloroethyl Vinyl ether	9.70	63	536	12.619	ug/l #	52
59) 2-Hexanone	10.72	43	327204	32.528	ug/l #	30
67) Ethyl Benzene	11.51	91	652014	14.581	ug/l	100
68) m/p-Xylenes	11.51	106	189063	11.781	ug/l #	15
73) Isopropylbenzene	12.25	105	553419	10.010	ug/l	99
74) N-amyl acetate	12.04	43	386547	18.225	ug/l #	55
75) 1,1,2,2-Tetrachloroethane	12.45	83	55413	1.319	ug/l #	58
76) 1,2,3-Trichloropropane	12.40	75	278070	18.284	ug/l #	100
77) Bromobenzene	12.53	156	83435	6.777	ug/l #	1
78) n-propylbenzene	12.59	91	1194542	19.936	ug/l	100
79) 2-Chlorotoluene	12.59	91	1194542	31.989	ug/l #	43
80) 1,3,5-Trimethylbenzene	12.89	105	322172	7.211	ug/l	75

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

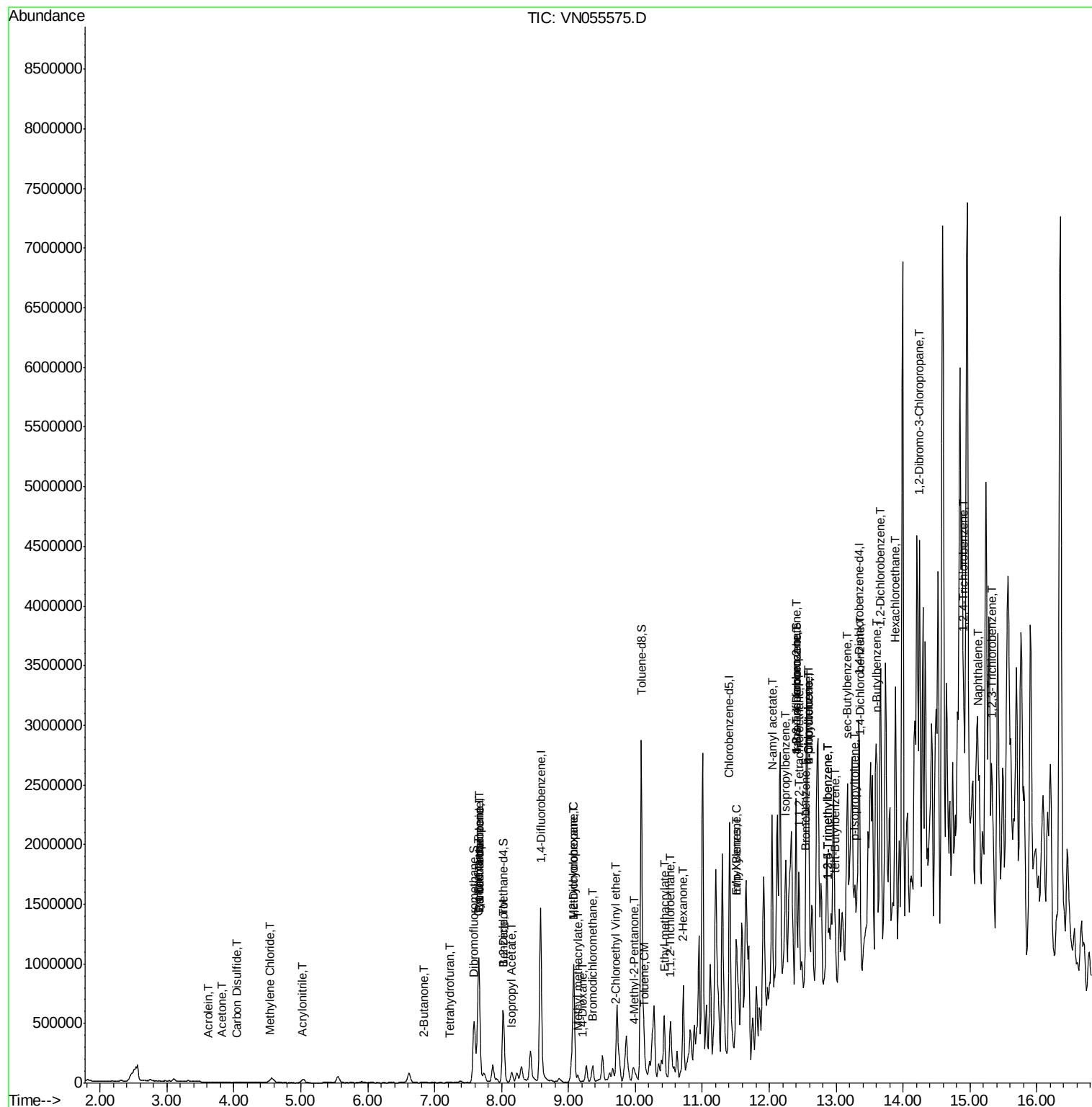
81) trans-1,4-Dichloro-2-buten	12.40	75	278070	67.464	ug/l #	10
82) 4-Chlorotoluene	12.59	91	1194542	33.854	ug/l #	43
83) tert-Butylbenzene	12.99	119	35072	0.916	ug/l	81
84) 1,2,4-Trimethylbenzene	12.89	105	322212	7.863	ug/l	78
85) sec-Butylbenzene	13.17	105	732480	14.392	ug/l	79
86) p-Isopropyltoluene	13.29	119	131685	3.179	ug/l	93
88) 1,4-Dichlorobenzene	13.36	146	4991	0.266	ug/l #	1
89) n-Butylbenzene	13.61	91	848417	26.425	ug/l #	79
90) Hexachloroethane	13.89	117	98309	14.549	ug/l #	10
91) 1,2-Dichlorobenzene	13.65	146	7479	0.393	ug/l #	1
92) 1,2-Dibromo-3-Chloropropan	14.25	75	11486	4.471	ug/l #	12
93) 1,2,4-Trichlorobenzene	14.91	180	8173	4.129	ug/l #	1
94) Hexachlorobutadiene	15.01	225	3678	Below Cal		97
95) Naphthalene	15.13	128	157337	9.295	ug/l #	70
96) 1,2,3-Trichlorobenzene	15.32	180	8665	3.343	ug/l #	67

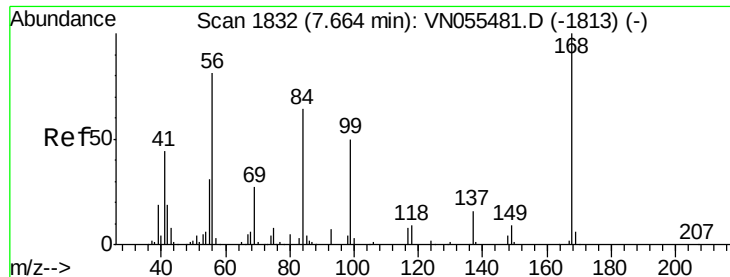
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN055575.D

Acq: 13 May 2019 13:19

Instrument :

MSVOA_N

ClientSampleId :

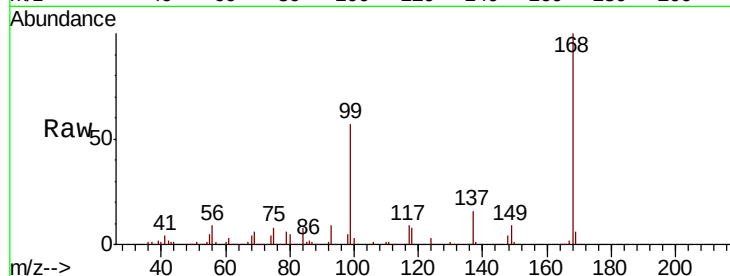
SB-1(25.5)

Tot Ion:168 Resp: 778574

Ion Ratio Lower Upper

168 100

99 56.7 47.0 70.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.66

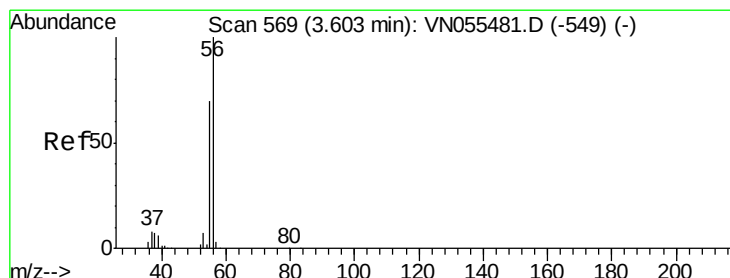
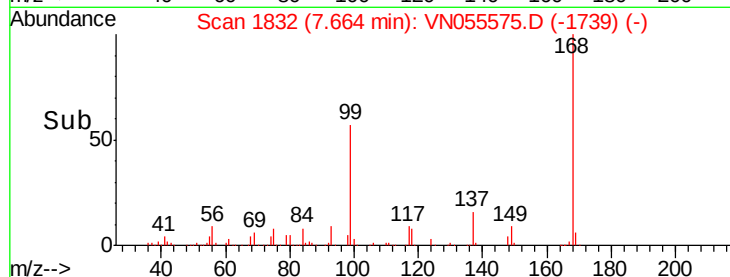
300000

200000

100000

0

Time-->



#13

Acrolein

Concen: 0.804 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.01 min

Lab File: VN055575.D

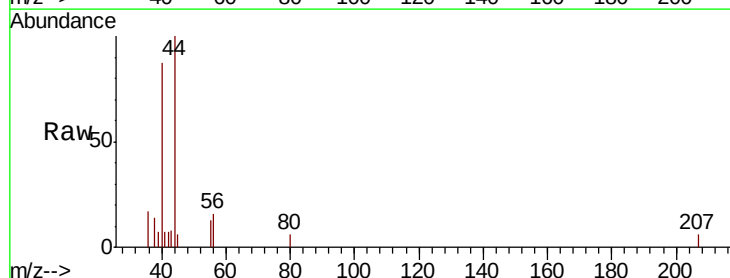
Acq: 13 May 2019 13:19

Tgt Ion: 56 Resp: 927

Ion Ratio Lower Upper

56 100

55 126.1 57.7 86.5#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

3.61

500

400

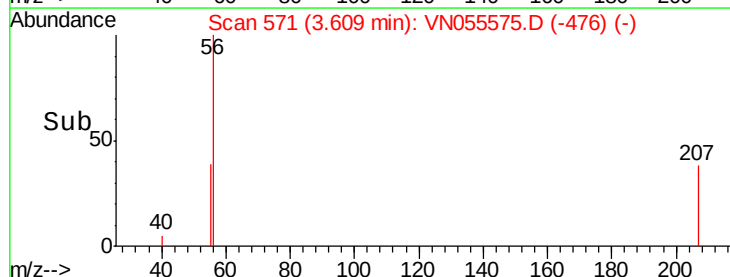
300

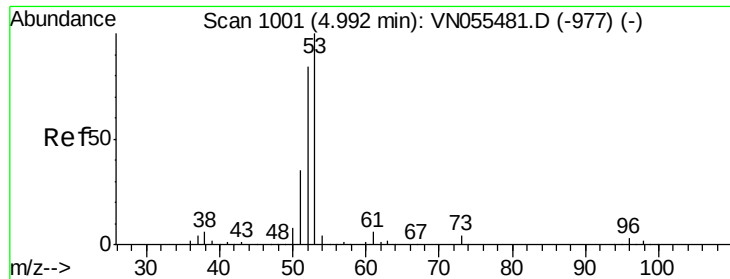
200

100

0

Time-->





#15

Acrylonitrile

Concen: 0.243 ug/l

RT: 5.01 min Scan# 1006

Delta R.T. 0.02 min

Lab File: VN055575.D

Acq: 13 May 2019 13:19

Instrument :

MSVOA_N

ClientSampleId :

SB-1(25.5)

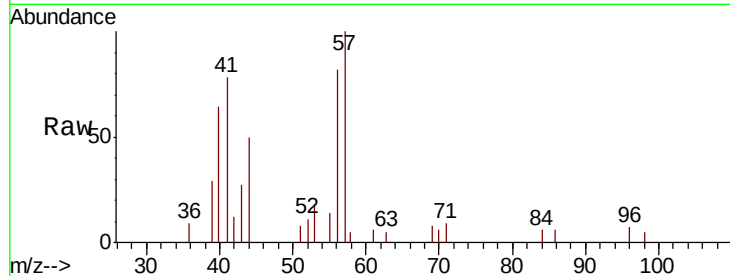
Tot Ion: 53 Resp: 1303

Ion Ratio Lower Upper

53 100

52 0.0 66.1 99.1#

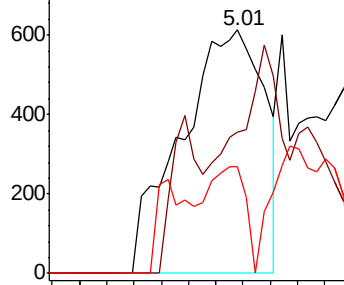
51 20.6 28.3 42.5#



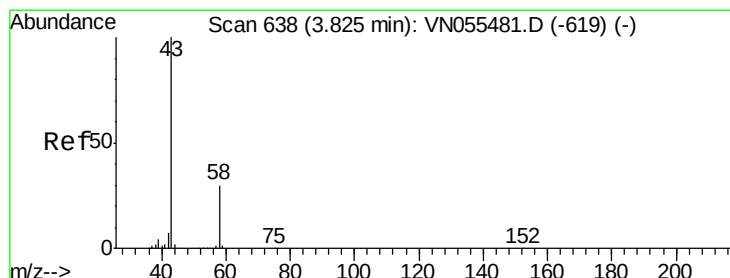
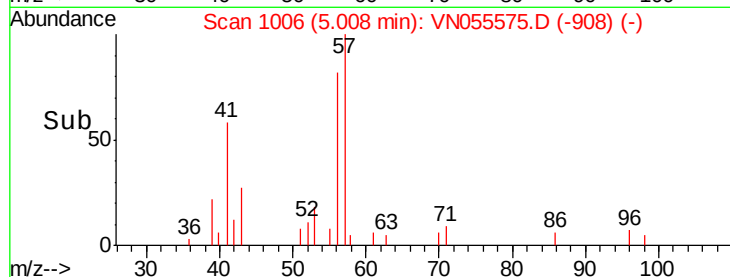
Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



Time-->



#16

Acetone

Concen: 1.024 ug/l

RT: 3.83 min Scan# 639

Delta R.T. 0.00 min

Lab File: VN055575.D

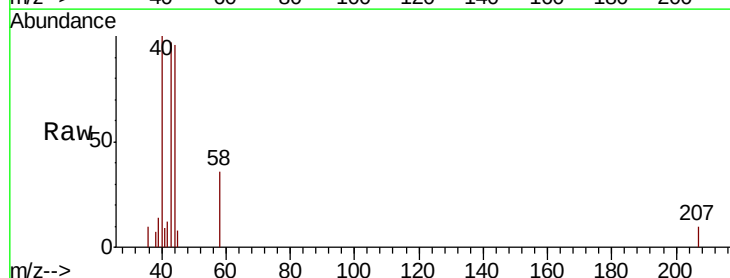
Acq: 13 May 2019 13:19

Tgt Ion: 43 Resp: 5556

Ion Ratio Lower Upper

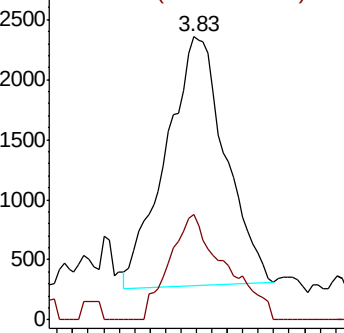
43 100

58 43.2 24.2 36.2#

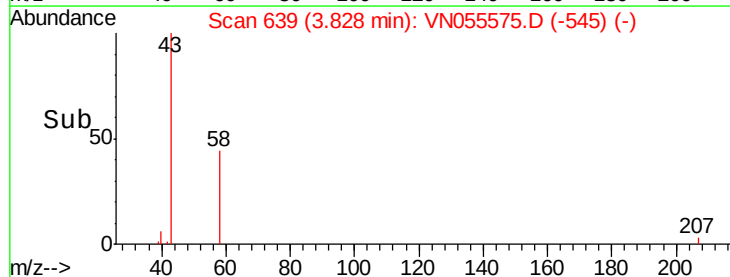


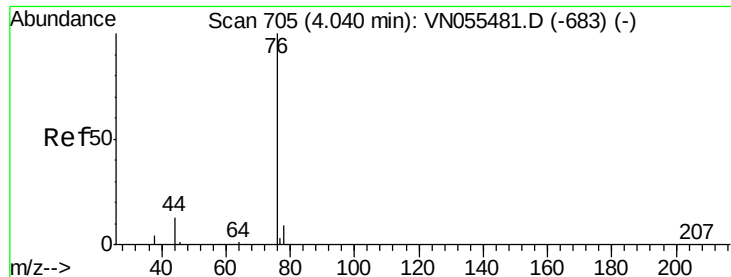
Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



Time-->





#17

Carbon Disulfide

Concen: 0.258 ug/l

RT: 4.03 min Scan# 702

Delta R.T. -0.01 min

Lab File: VN055575.D

Acq: 13 May 2019 13:19

Instrument :

MSVOA_N

ClientSampled :

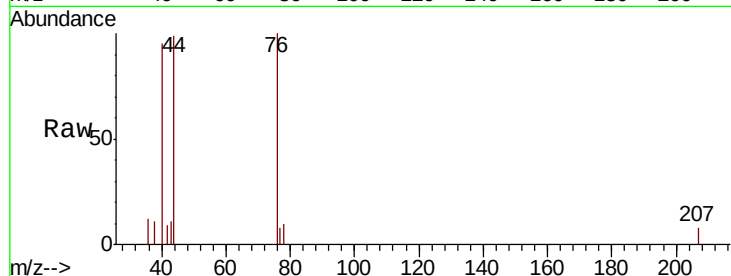
SB-1(25.5)

Tot Ion: 76 Resp: 6002

Ion Ratio Lower Upper

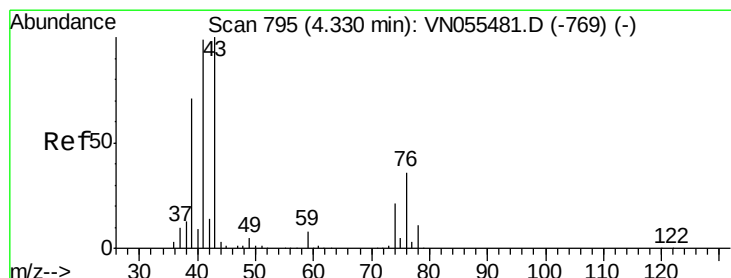
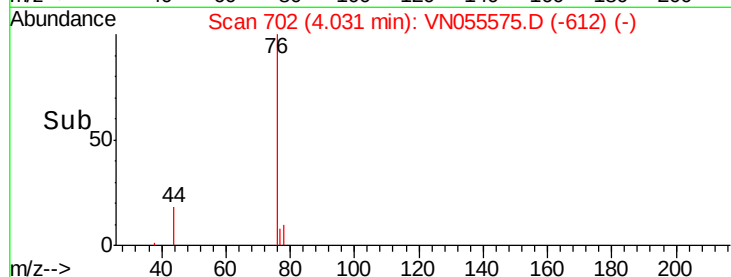
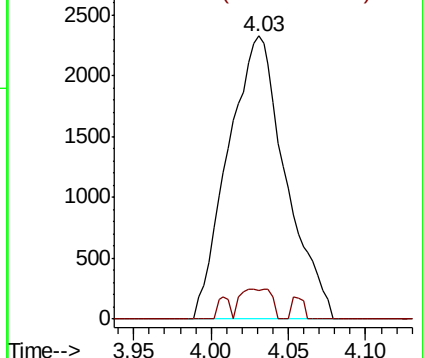
76 100

78 10.0 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: Below Cal

RT: 4.33 min Scan# 796

Delta R.T. 0.00 min

Lab File: VN055575.D

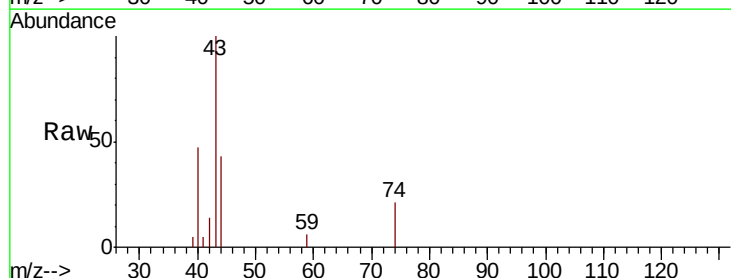
Acq: 13 May 2019 13:19

Tgt Ion: 43 Resp: 10062

Ion Ratio Lower Upper

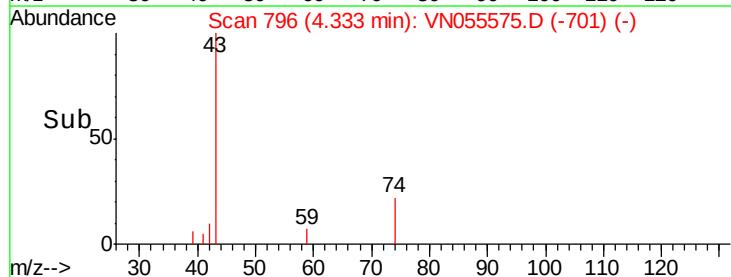
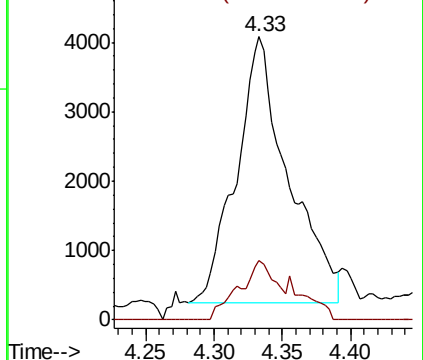
43 100

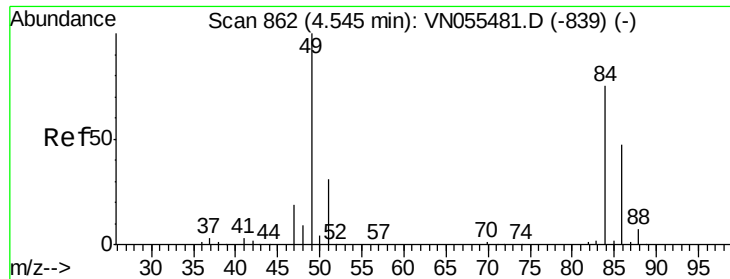
74 16.3 16.3 24.5#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

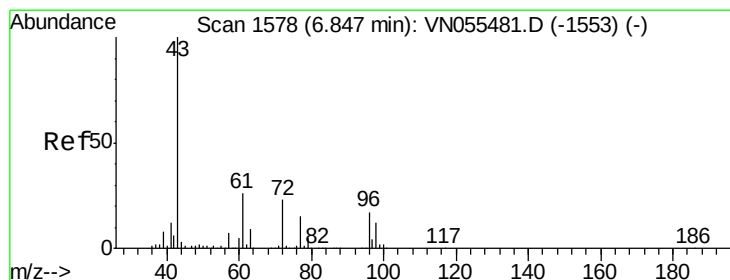
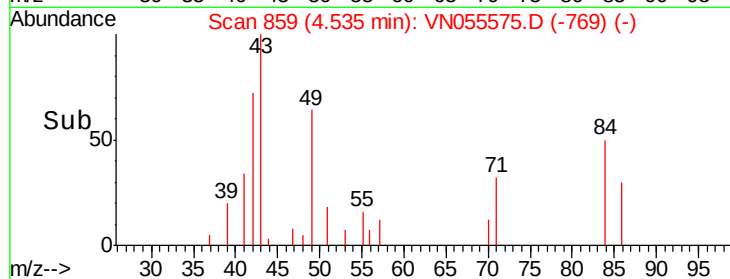
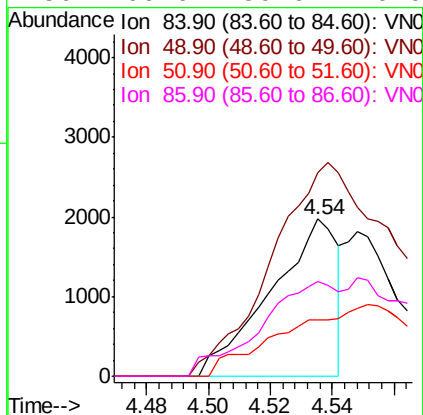
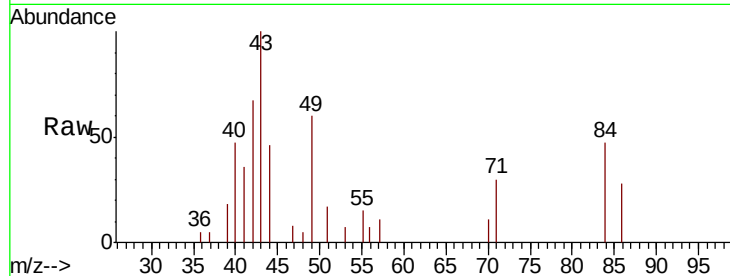




#20
Methylene Chloride
Concen: 0.265 ug/l
RT: 4.54 min Scan# 859
Delta R.T. -0.01 min
Lab File: VN055575.D
Acq: 13 May 2019 13:19

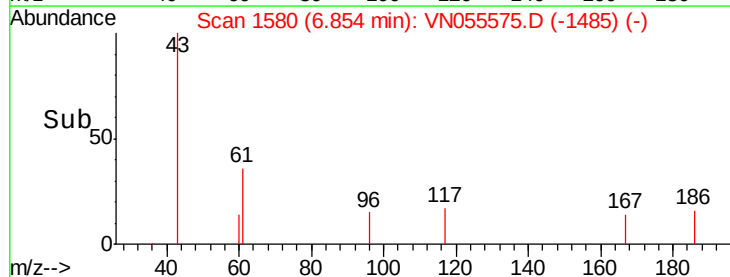
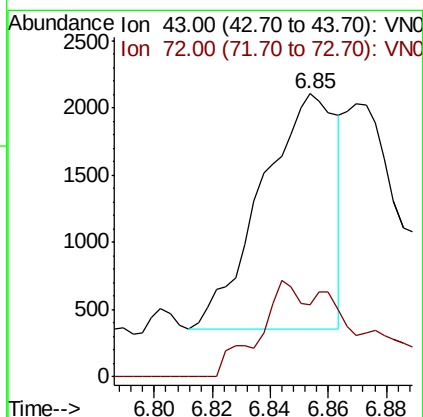
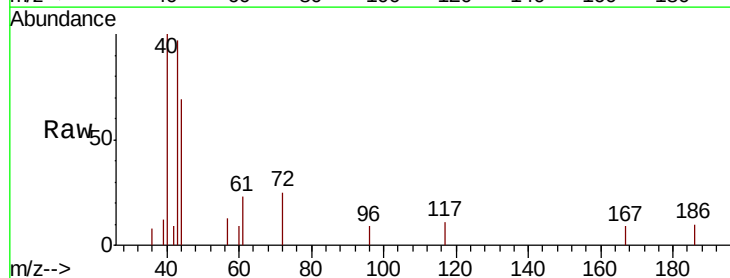
Instrument :
MSVOA_N
ClientSampled :
SB-1(25.5)

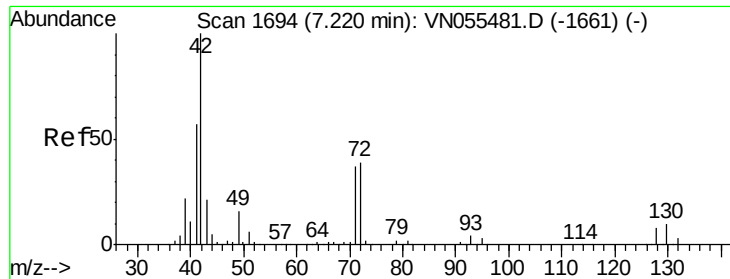
Tot Ion:	84	Resp:	2946
Ion	Ratio	Lower	Upper
84	100		
49	129.4	107.0	160.6
51	36.1	33.0	49.4
86	60.6	50.6	76.0



#25
2-Butanone
Concen: 0.418 ug/l
RT: 6.85 min Scan# 1580
Delta R.T. 0.01 min
Lab File: VN055575.D
Acq: 13 May 2019 13:19

Tgt Ion:	43	Resp:	3131
Ion	Ratio	Lower	Upper
43	100		
72	30.7	18.6	27.8#





#29

Tetrahydrofuran

Concen: 0.326 ug/l

RT: 7.23 min Scan# 1696

Delta R.T. 0.01 min

Lab File: VN055575.D

Acq: 13 May 2019 13:19

Instrument :

MSVOA_N

ClientSampleId :

SB-1(25.5)

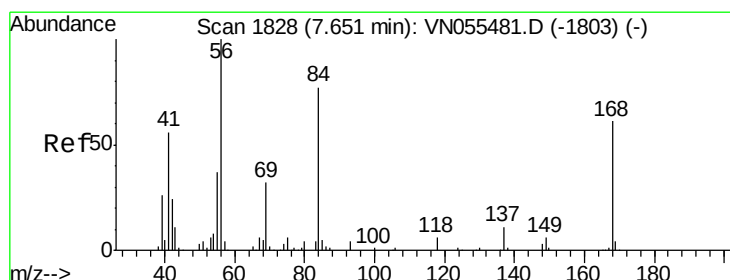
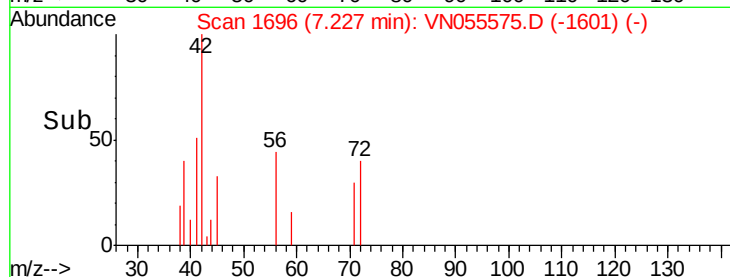
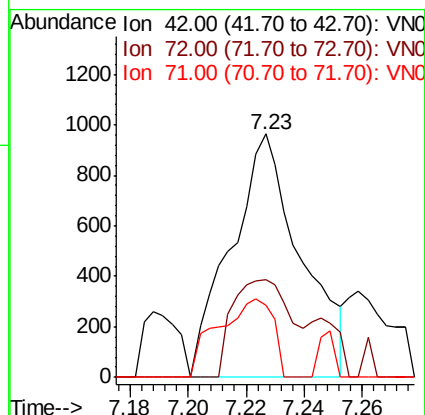
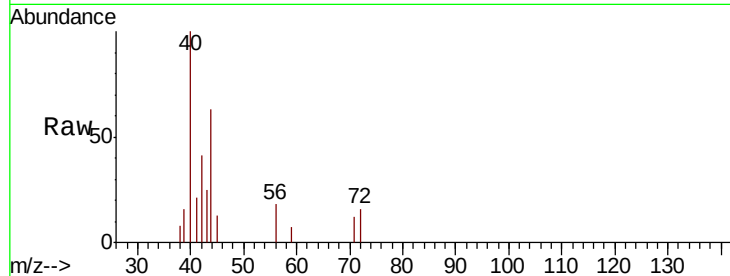
Tot Ion: 42 Resp: 1614

Ion Ratio Lower Upper

42 100

72 33.2 31.0 46.6

71 25.5 29.4 44.2#



#31

Cyclohexane

Concen: 6.259 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. -0.00 min

Lab File: VN055575.D

Acq: 13 May 2019 13:19

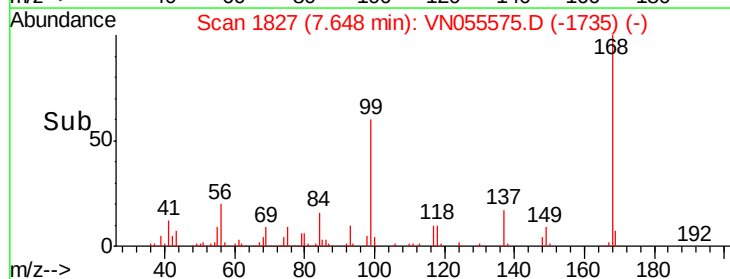
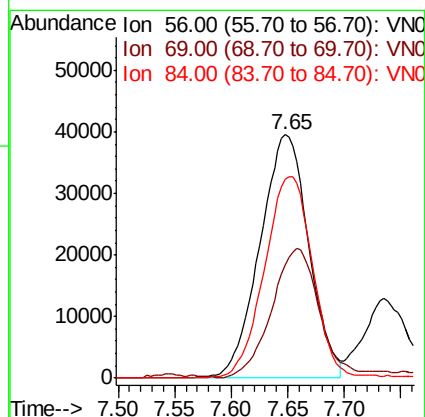
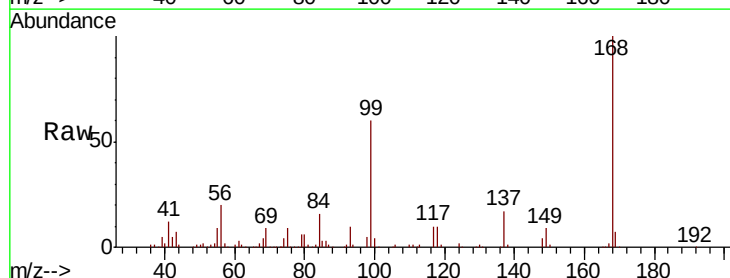
Tgt Ion: 56 Resp: 118418

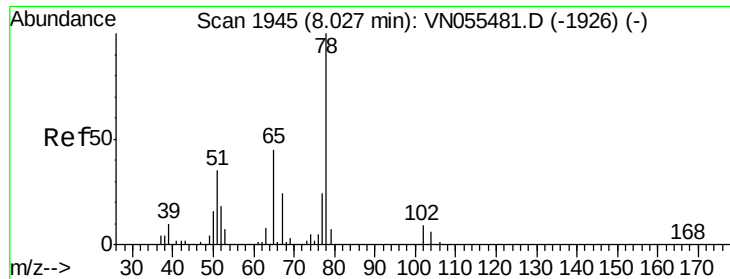
Ion Ratio Lower Upper

56 100

69 45.5 26.0 39.0#

84 81.9 61.9 92.9

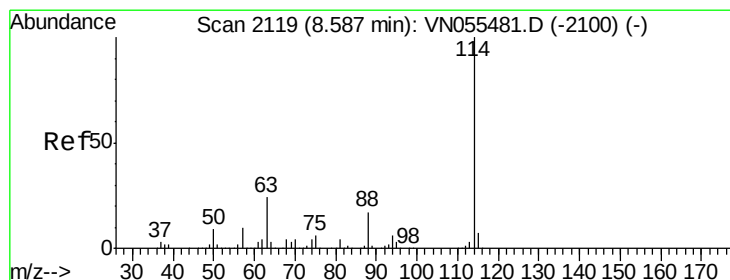
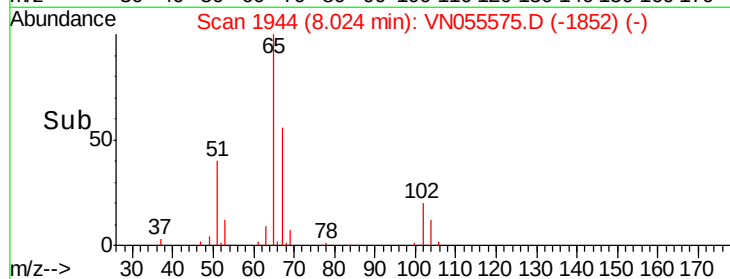
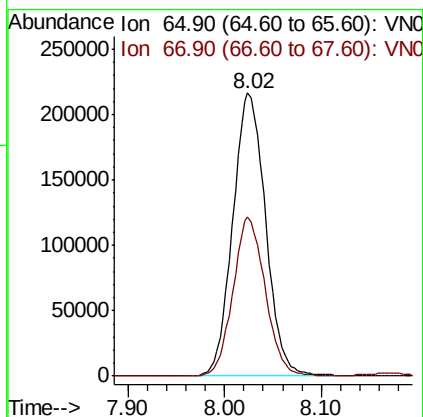
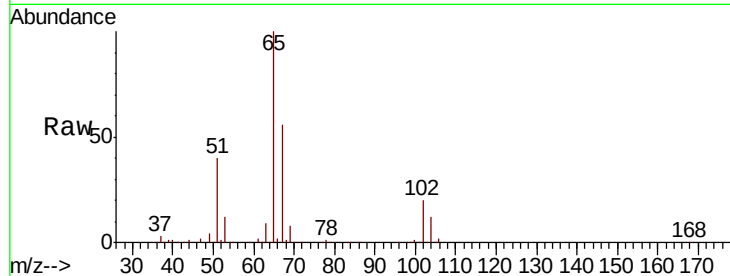




#33
 1,2-Dichloroethane-d4
 Concen: 43.578 ug/l
 RT: 8.02 min Scan# 1944
 Delta R.T. -0.00 min
 Lab File: VN055575.D
 Acq: 13 May 2019 13:19

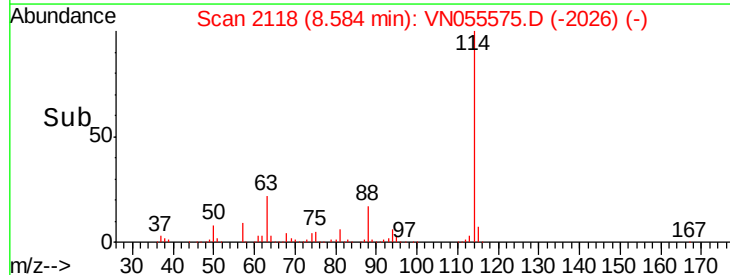
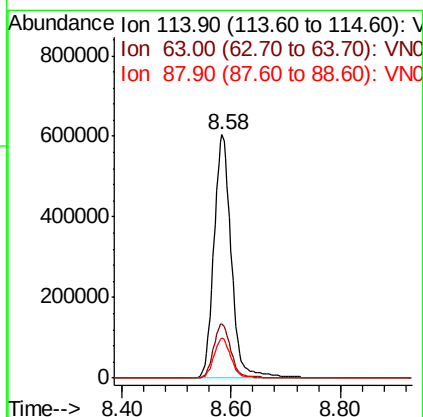
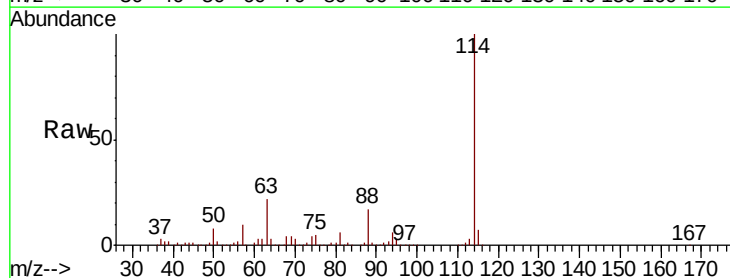
Instrument :
 MSVOA_N
 ClientSampleId :
 SB-1(25.5)

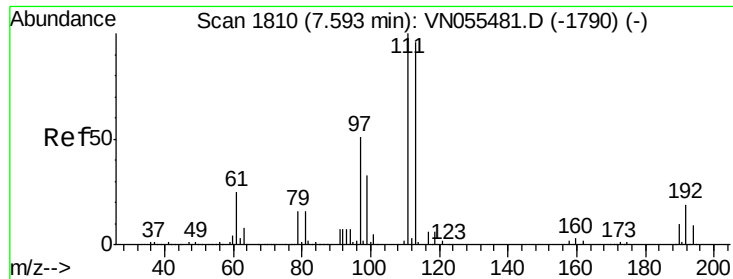
Tot Ion: 65 Resp: 510852
 Ion Ratio Lower Upper
 65 100
 67 54.9 0.0 109.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN055575.D
 Acq: 13 May 2019 13:19

Tgt Ion: 114 Resp: 1335787
 Ion Ratio Lower Upper
 114 100
 63 22.3 0.0 47.4
 88 16.6 0.0 34.0

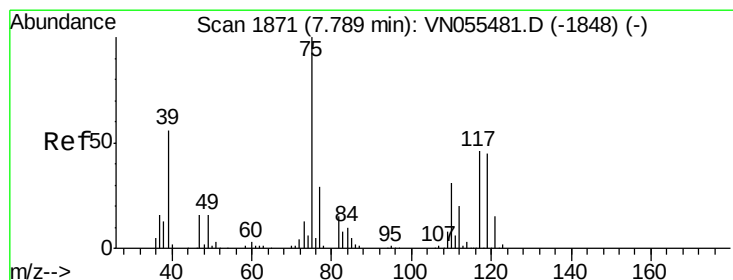
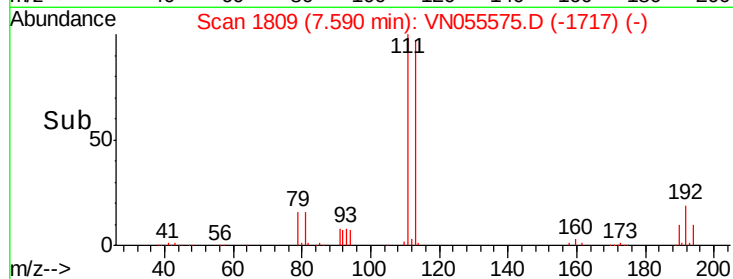
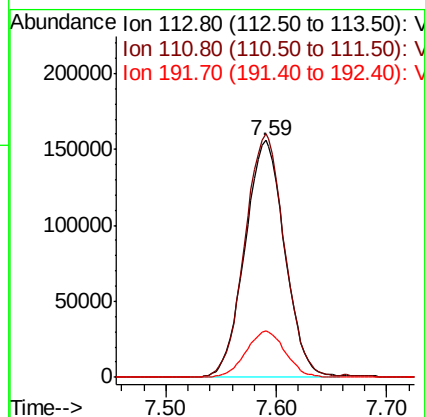
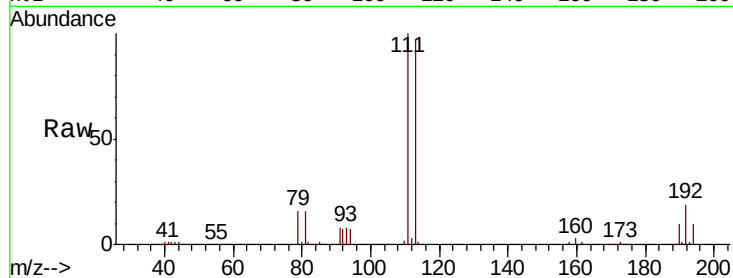




#35
 Dibromofluoromethane
 Concen: 45.255 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN055575.D
 Acq: 13 May 2019 13:19

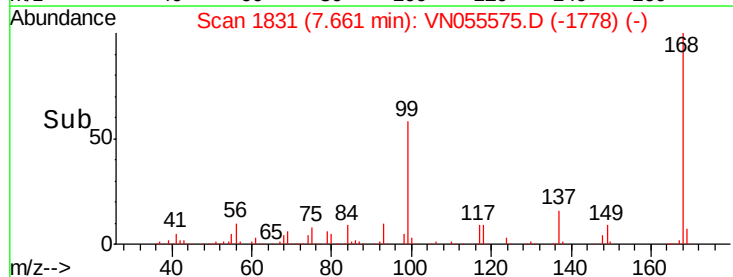
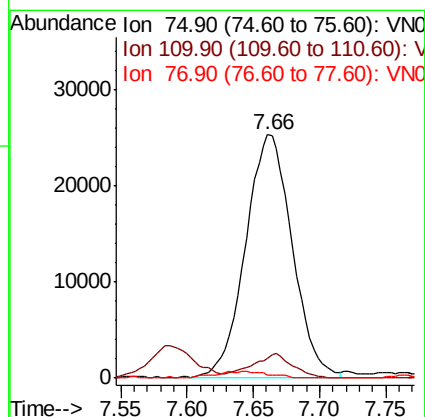
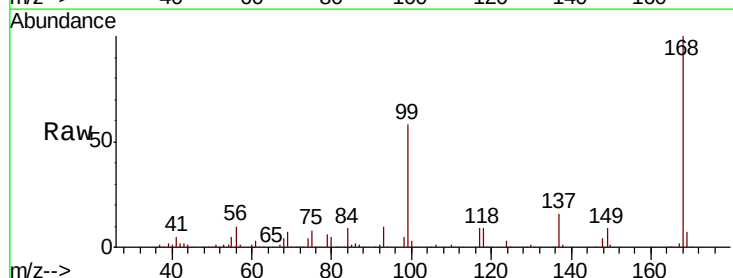
Instrument :
 MSVOA_N
 ClientSampleId :
 SB-1(25.5)

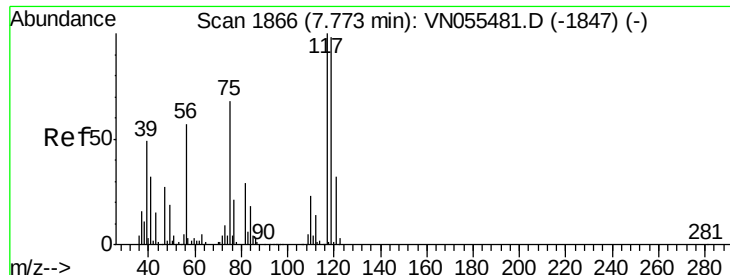
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.3	82.9	124.3
192	19.4	15.6	23.4



#36
 1,1-Dichloropropene
 Concen: 4.720 ug/l
 RT: 7.66 min Scan# 1831
 Delta R.T. -0.13 min
 Lab File: VN055575.D
 Acq: 13 May 2019 13:19

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.7	16.1	48.3#
77	0.0	24.6	37.0#





#38

Carbon Tetrachloride

Concen: 6.405 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.11 min

Lab File: VN055575.D

Acq: 13 May 2019 13:19

Instrument :

MSVOA_N

ClientSampleId :

SB-1(25.5)

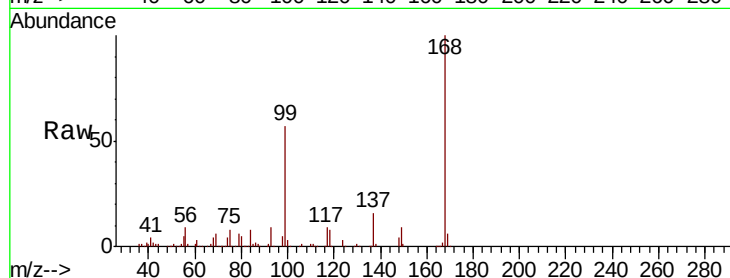
Tot Ion:117 Resp: 70973

Ion Ratio Lower Upper

117 100

119 5.3 77.8 116.6#

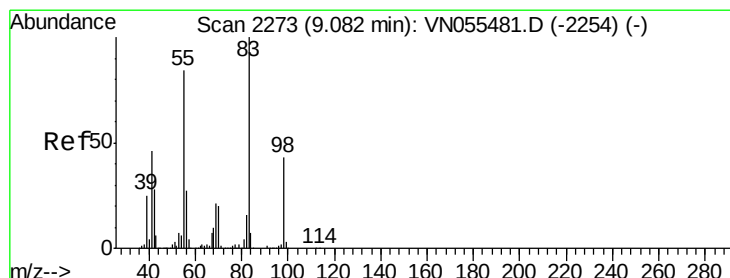
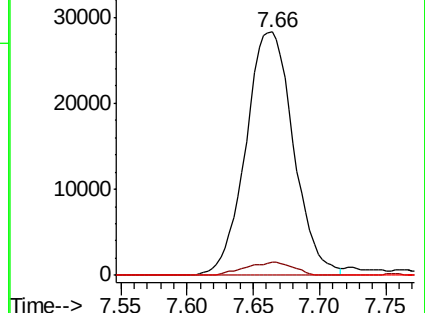
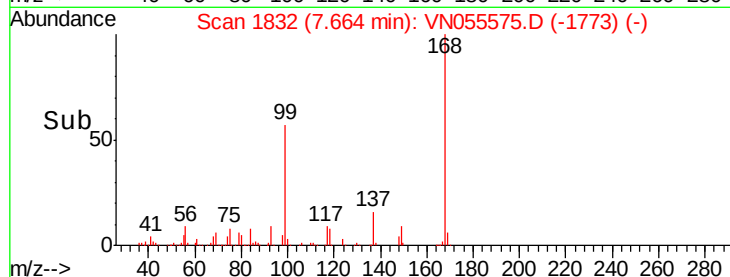
121 0.0 25.2 37.8#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#39

Methylcyclohexane

Concen: 26.774 ug/l

RT: 9.08 min Scan# 2272

Delta R.T. -0.00 min

Lab File: VN055575.D

Acq: 13 May 2019 13:19

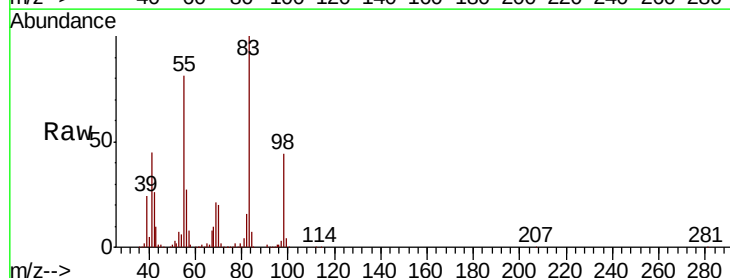
Tgt Ion: 83 Resp: 429597

Ion Ratio Lower Upper

83 100

55 81.3 67.0 100.4

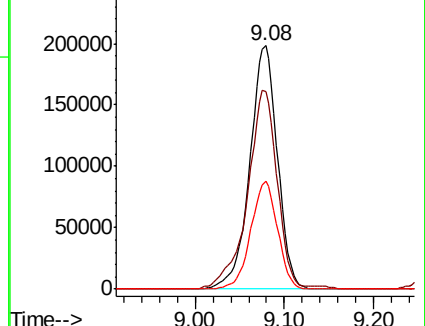
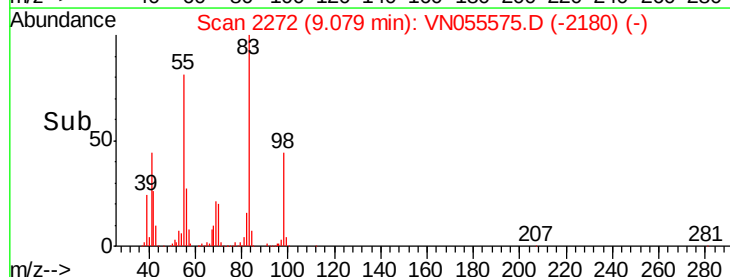
98 44.1 34.2 51.4

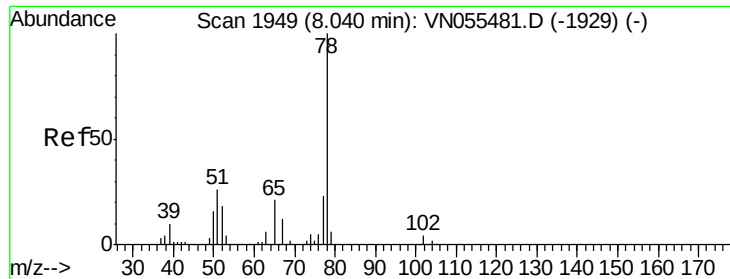


Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 98.00 (97.70 to 98.70): VN0





#40

Benzene

Concen: 0.233 ug/l

RT: 8.04 min Scan# 1948

Delta R.T. -0.00 min

Lab File: VN055575.D

Acq: 13 May 2019 13:19

Instrument :

MSVOA_N

ClientSampleId :

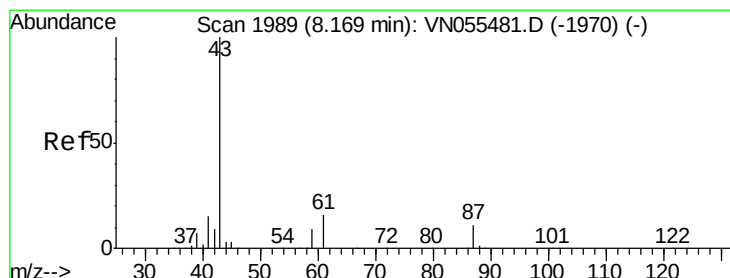
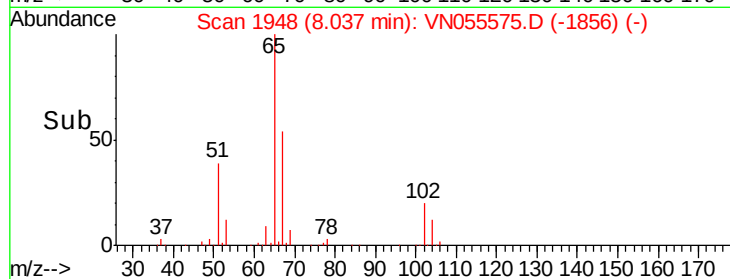
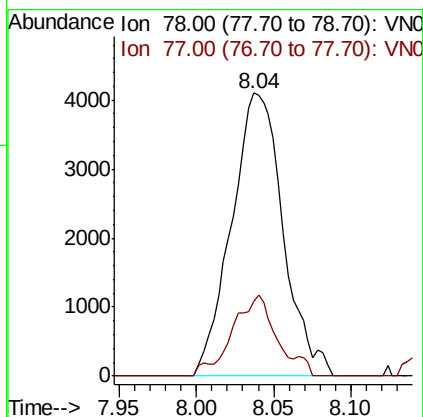
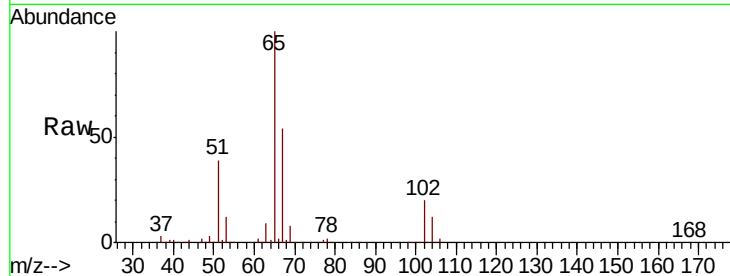
SB-1(25.5)

Tot Ion: 78 Resp: 9521

Ion Ratio Lower Upper

78 100

77 26.3 18.6 27.8



#43

Isopropyl Acetate

Concen: 0.687 ug/l

RT: 8.14 min Scan# 1981

Delta R.T. -0.03 min

Lab File: VN055575.D

Acq: 13 May 2019 13:19

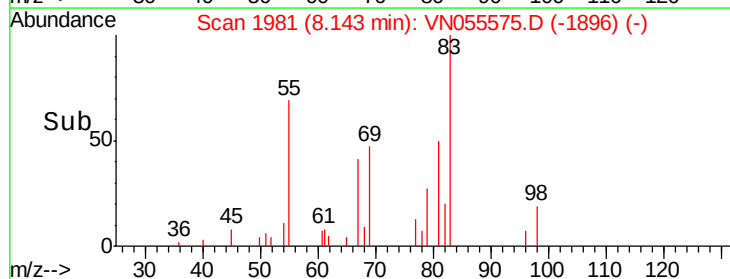
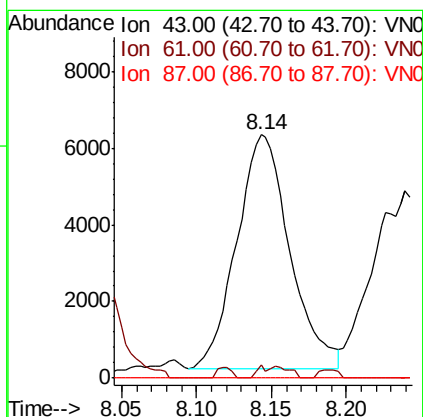
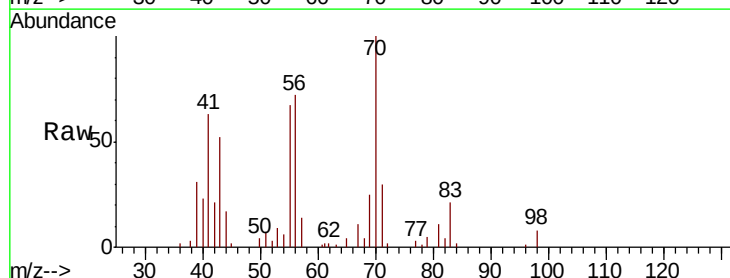
Tgt Ion: 43 Resp: 14976

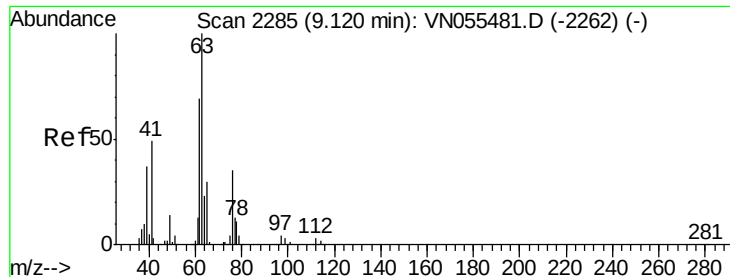
Ion Ratio Lower Upper

43 100

61 0.0 15.1 22.7#

87 0.0 9.0 13.6#





#45

1,2-Dichloropropane

Concen: 0.399 ug/l

RT: 9.08 min Scan# 2271

Delta R.T. -0.04 min

Lab File: VN055575.D

Acq: 13 May 2019 13:19

Instrument :

MSVOA_N

ClientSampleId :

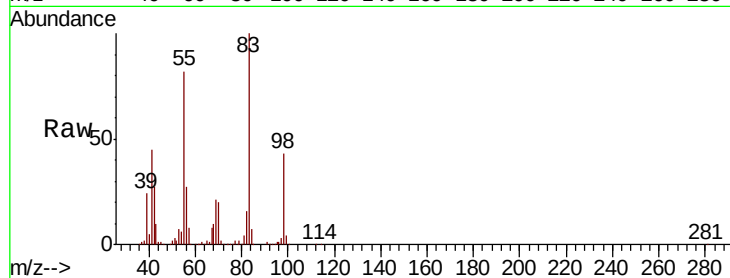
SB-1(25.5)

Tot Ion: 63 Resp: 4665

Ion Ratio Lower Upper

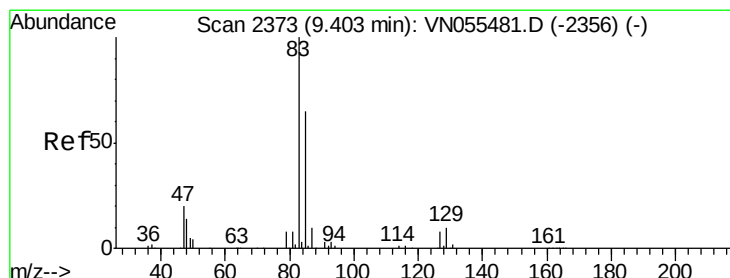
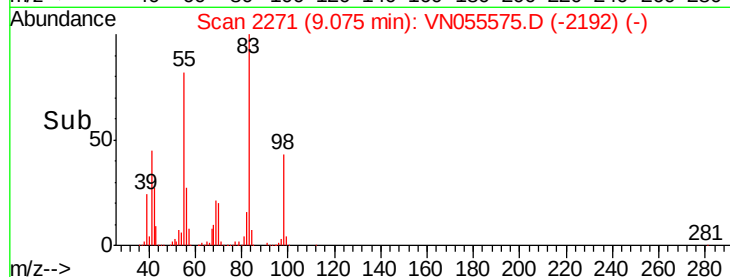
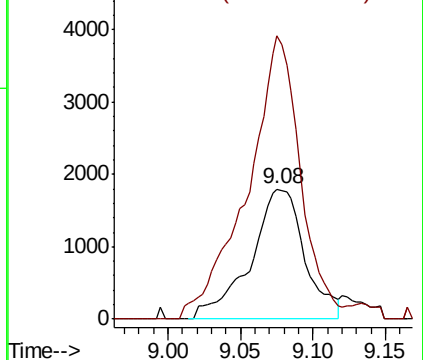
63 100

65 207.5 24.1 36.1#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#47

Bromodichloromethane

Concen: 0.472 ug/l

RT: 9.37 min Scan# 2363

Delta R.T. -0.03 min

Lab File: VN055575.D

Acq: 13 May 2019 13:19

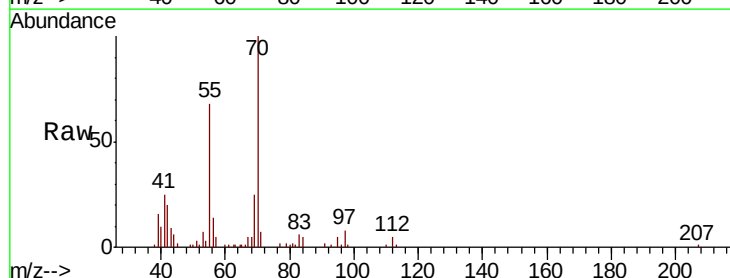
Tgt Ion: 83 Resp: 6110

Ion Ratio Lower Upper

83 100

85 0.0 52.2 78.2#

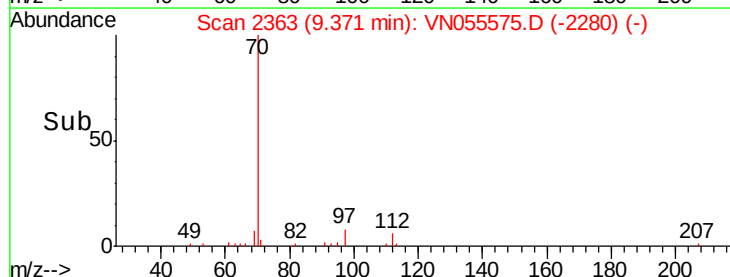
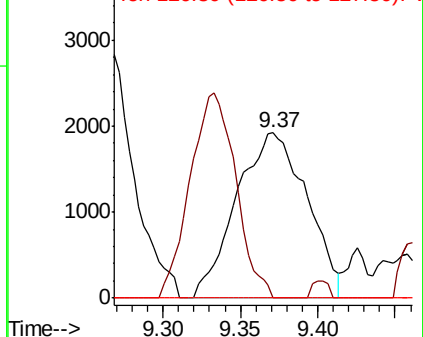
127 0.0 6.5 9.7#

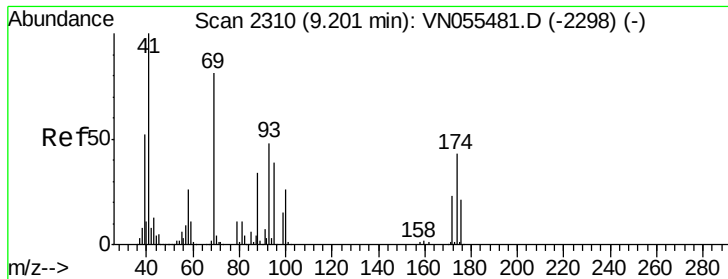


Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 126.80 (126.50 to 127.50): V

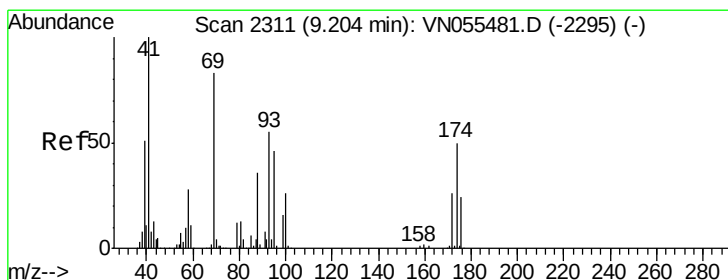
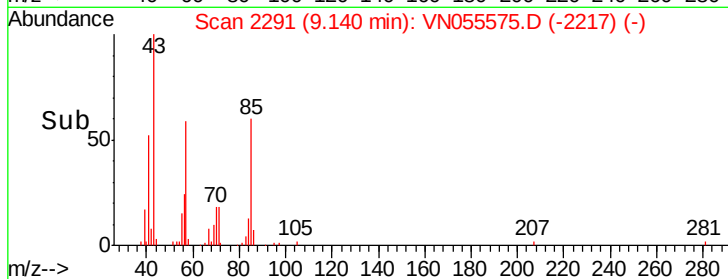
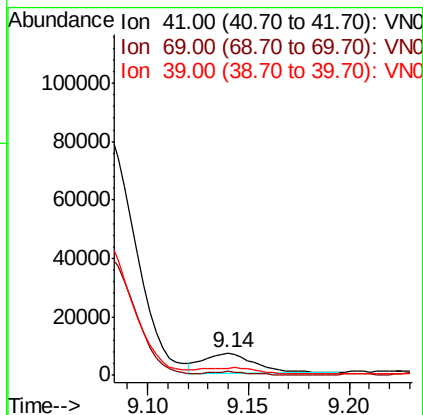
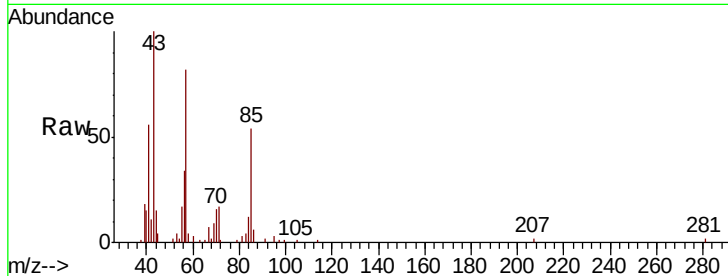




#48
Methvl methacrylate
Concen: 1.136 ug/l
RT: 9.14 min Scan# 2291
Delta R.T. -0.06 min
Lab File: VN055575.D
Acq: 13 May 2019 13:19

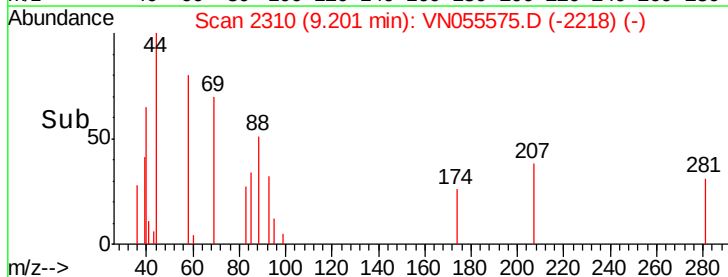
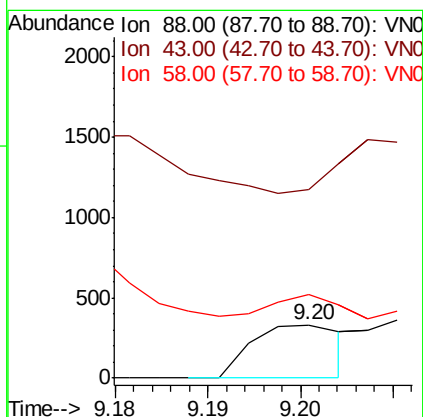
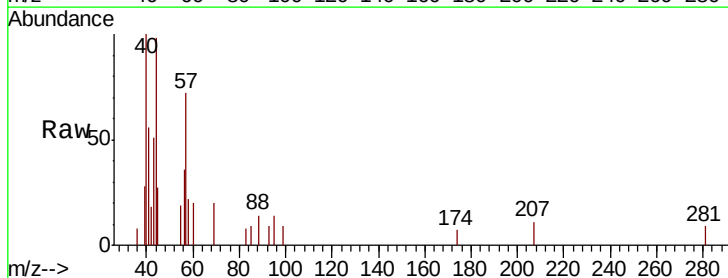
Instrument :
MSVOA_N
ClientSampled :
SB-1(25.5)

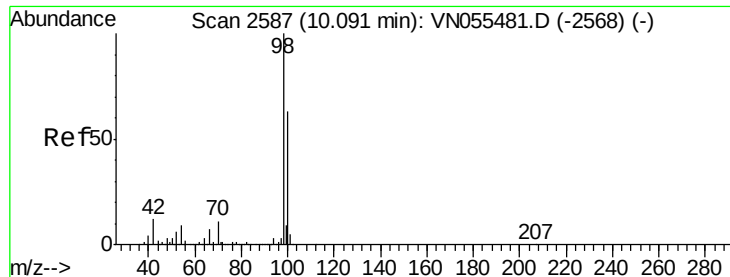
Tot Ion: 41 Resp: 11939
Ion Ratio Lower Upper
41 100
69 0.0 64.2 96.2#
39 31.3 41.6 62.4#



#49
1,4-Dioxane
Concen: 1.089 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. -0.00 min
Lab File: VN055575.D
Acq: 13 May 2019 13:19

Tgt Ion: 88 Resp: 223
Ion Ratio Lower Upper
88 100
43 0.0 27.8 41.8#
58 223.8 61.8 92.6#





#50

Toluene-d8

Concen: 49.655 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. -0.00 min

Lab File: VN055575.D

Acq: 13 May 2019 13:19

Instrument :

MSVOA_N

ClientSampleId :

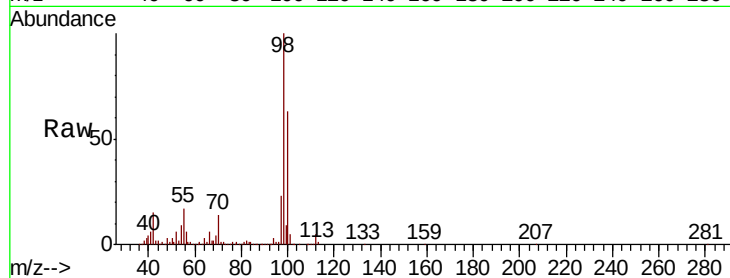
SB-1(25.5)

Tot Ion: 98 Resp: 1667362

Ion Ratio Lower Upper

98 100

100 62.6 50.4 75.6



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN

1000000

800000

600000

400000

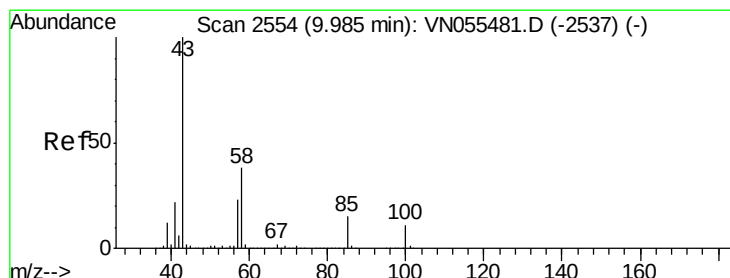
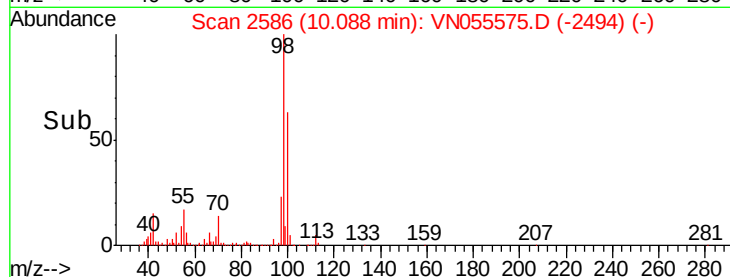
200000

0

10.09

Time-->

10.00 10.10 10.20



#51

4-Methyl-2-Pentanone

Concen: 1.453 ug/l

RT: 9.99 min Scan# 2555

Delta R.T. 0.00 min

Lab File: VN055575.D

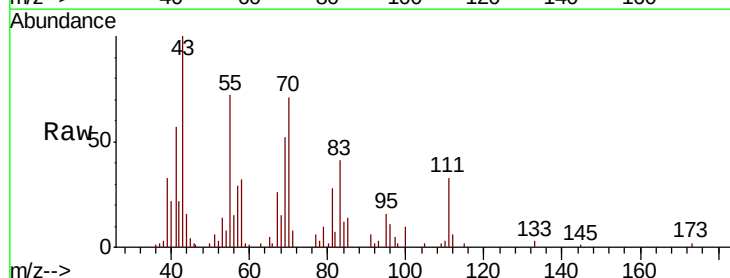
Acq: 13 May 2019 13:19

Tgt Ion: 43 Resp: 20834

Ion Ratio Lower Upper

43 100

58 36.4 29.9 44.9



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

40000

30000

20000

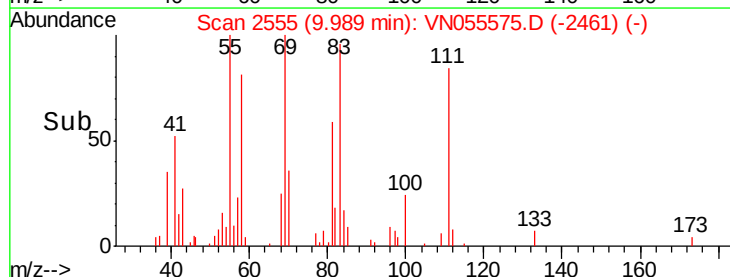
10000

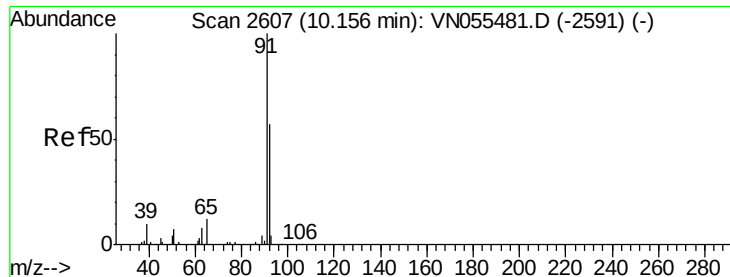
0

9.99

Time-->

9.90 9.95 10.00 10.05





#52

Toluene

Concen: 0.271 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. -0.01 min

Lab File: VN055575.D

Acq: 13 May 2019 13:19

Instrument :

MSVOA_N

ClientSampleId :

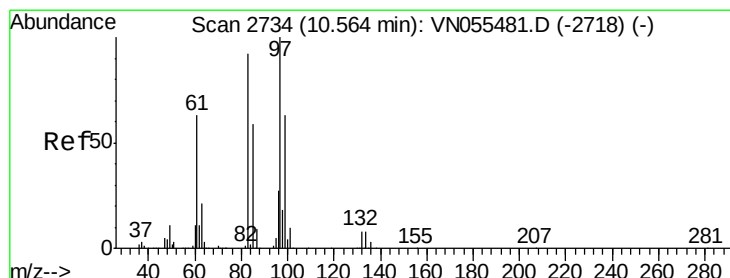
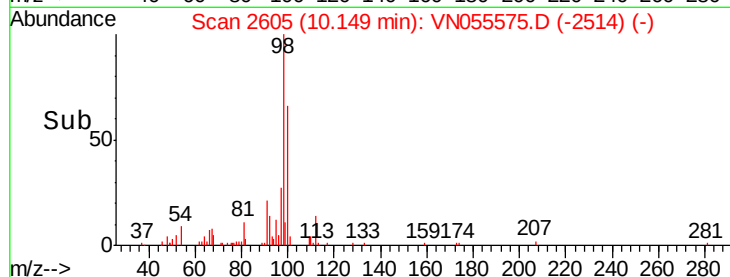
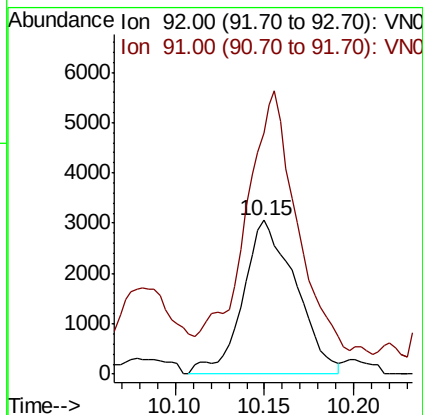
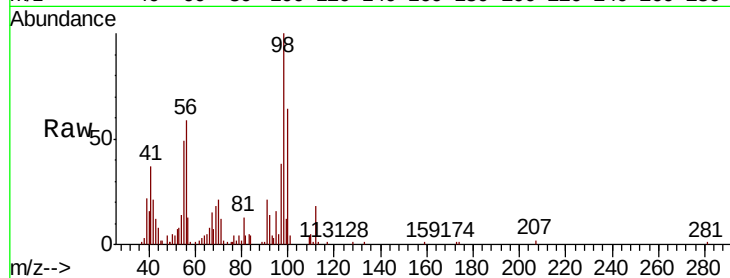
SB-1(25.5)

Tot Ion: 92 Resp: 6335

Ion Ratio Lower Upper

92 100

91 162.9 140.5 210.7



#55

1,1,2-Trichloroethane

Concen: 13.995 ug/l

RT: 10.53 min Scan# 2723

Delta R.T. -0.04 min

Lab File: VN055575.D

Acq: 13 May 2019 13:19

Tgt Ion: 97 Resp: 132401

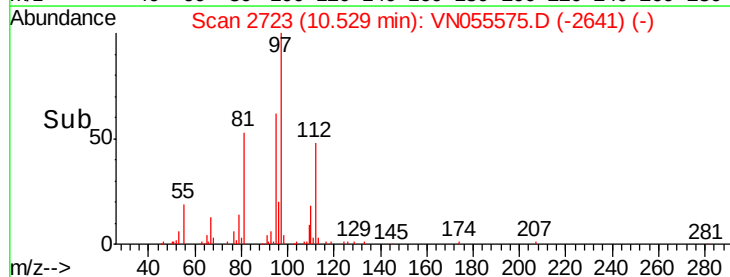
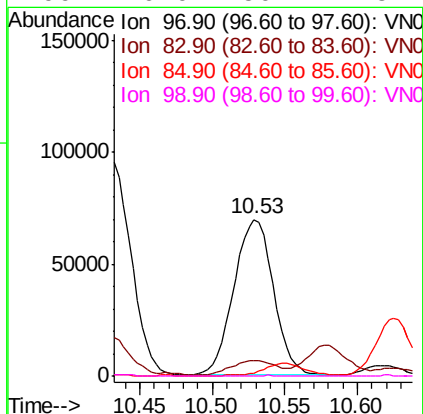
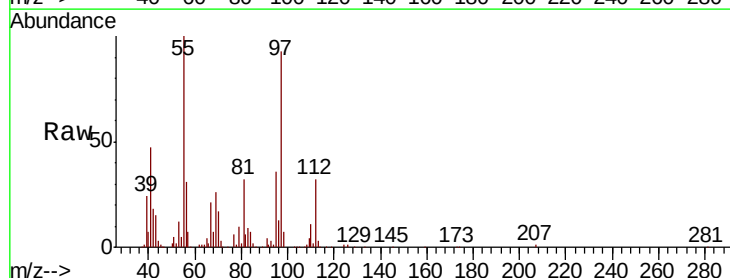
Ion Ratio Lower Upper

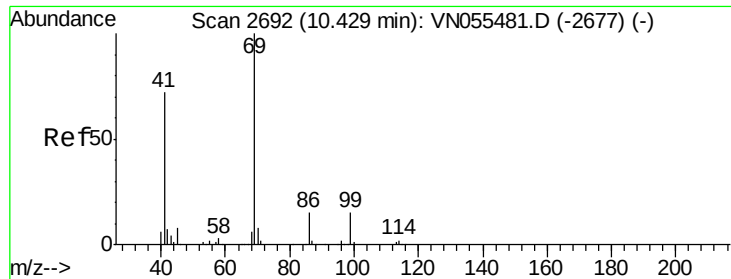
97 100

83 9.5 73.2 109.8#

85 2.0 47.5 71.3#

99 0.0 50.2 75.2#

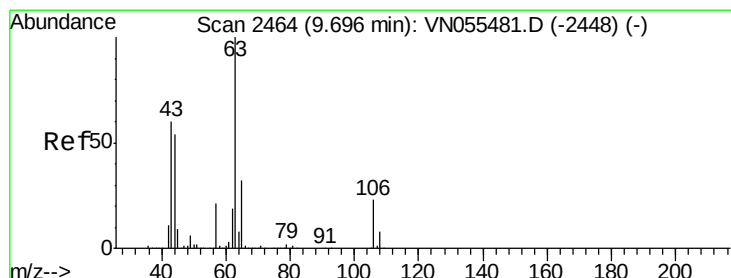
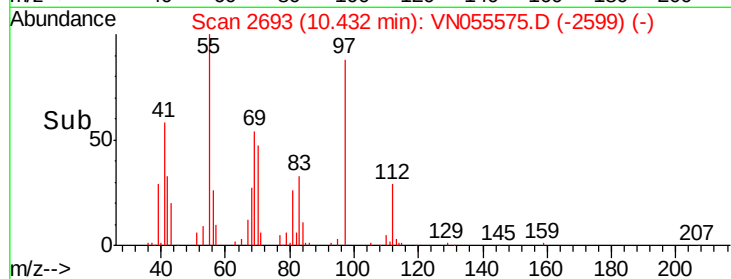
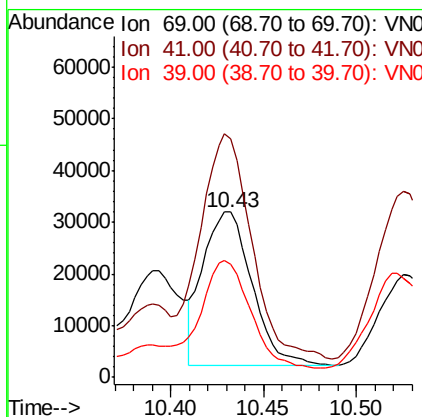
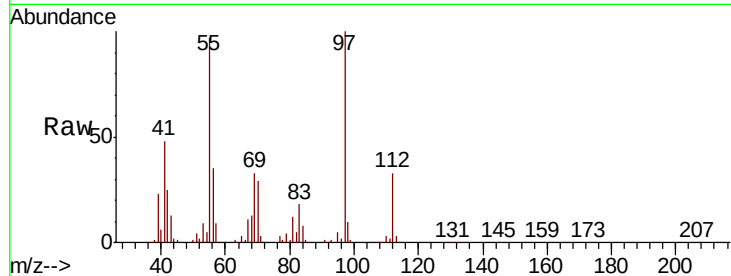




#56
Ethyl methacrylate
Concen: 3.878 ug/l
RT: 10.43 min Scan# 2693
Delta R.T. 0.00 min
Lab File: VN055575.D
Acq: 13 May 2019 13:19

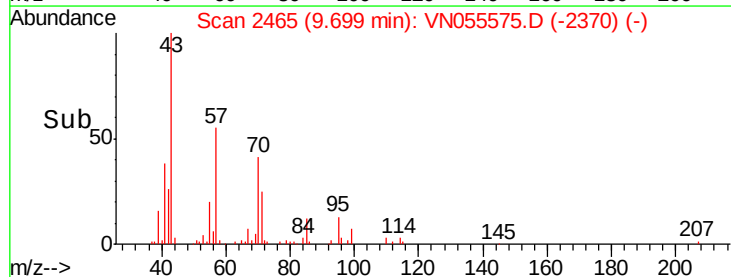
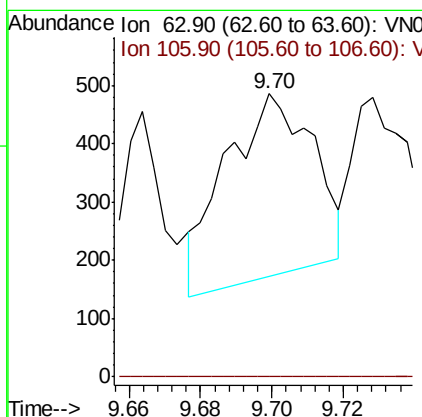
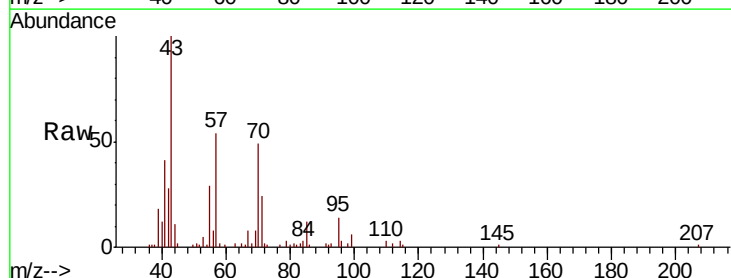
Instrument :
MSVOA_N
ClientSampled :
SB-1(25.5)

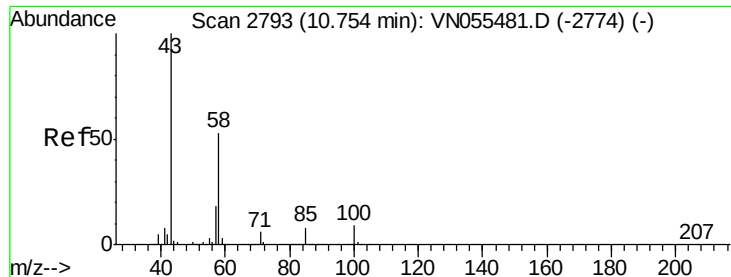
Tot Ion: 69 Resp: 54571
Ion Ratio Lower Upper
69 100
41 154.7 56.2 84.2#
39 69.0 27.8 41.6#



#58
2-Chloroethyl Vinyl ether
Concen: 12.619 ug/l
RT: 9.70 min Scan# 2465
Delta R.T. 0.00 min
Lab File: VN055575.D
Acq: 13 May 2019 13:19

Tgt Ion: 63 Resp: 536
Ion Ratio Lower Upper
63 100
106 0.0 18.6 27.8#

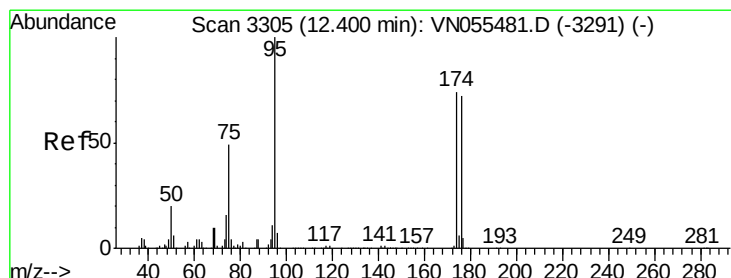
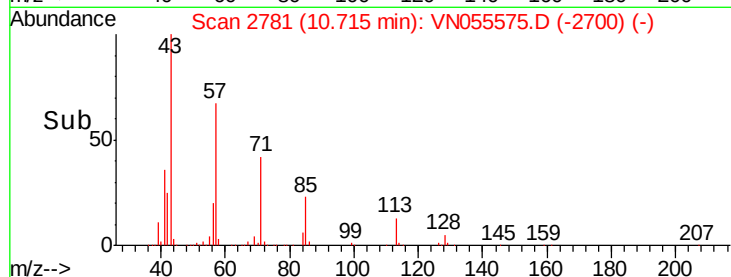
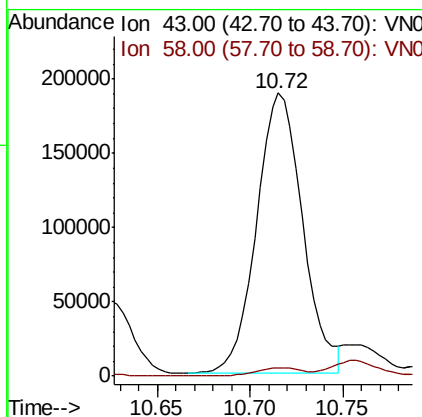
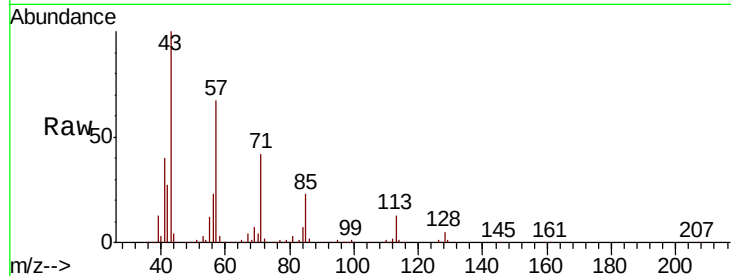




#59
2-Hexanone
Concen: 32.528 ug/l
RT: 10.72 min Scan# 2781
Delta R.T. -0.04 min
Lab File: VN055575.D
Acq: 13 May 2019 13:19

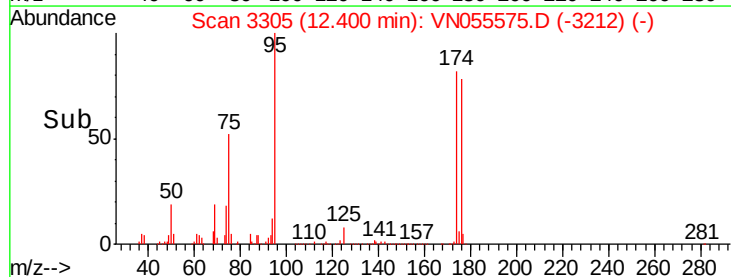
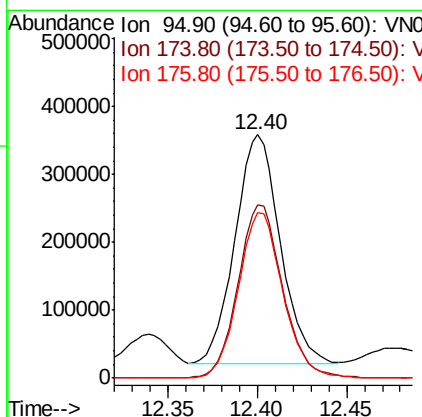
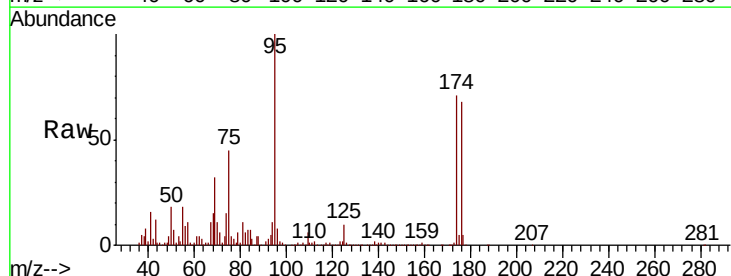
Instrument :
MSVOA_N
ClientSampleId :
SB-1(25.5)

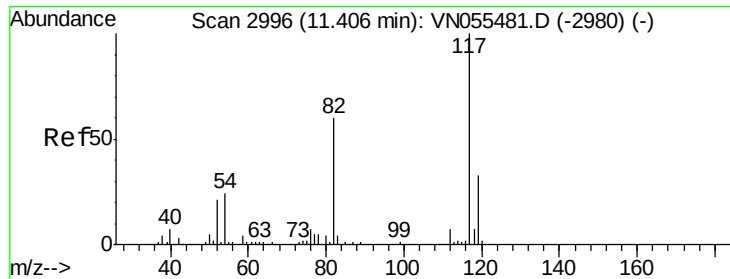
Tot Ion: 43 Resp: 327204
Ion Ratio Lower Upper
43 100
58 3.0 26.4 79.0#



#62
4-Bromofluorobenzene
Concen: 52.253 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN055575.D
Acq: 13 May 2019 13:19

Tgt Ion: 95 Resp: 591631
Ion Ratio Lower Upper
95 100
174 74.8 0.0 152.2
176 72.0 0.0 147.8

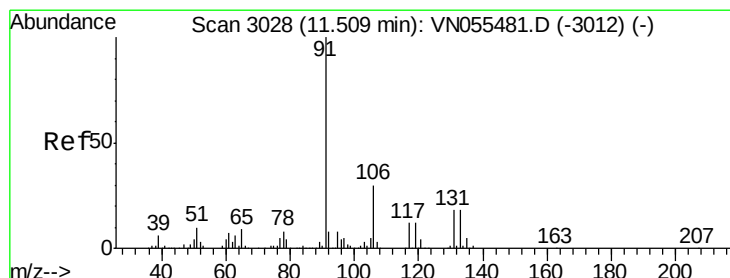
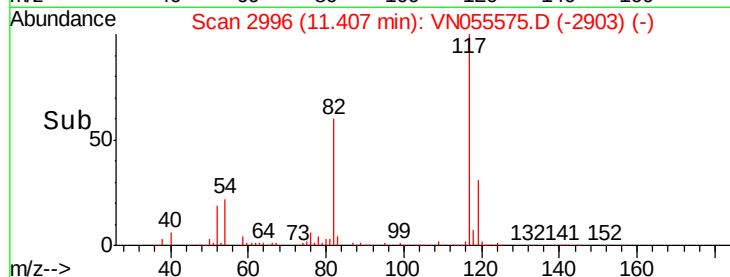
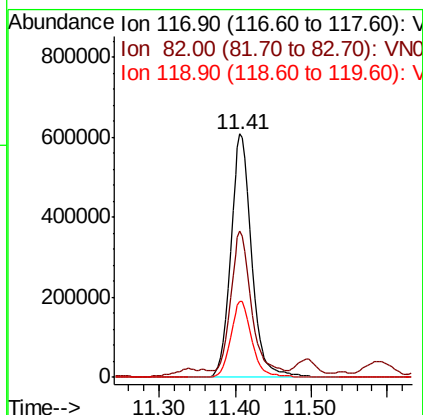
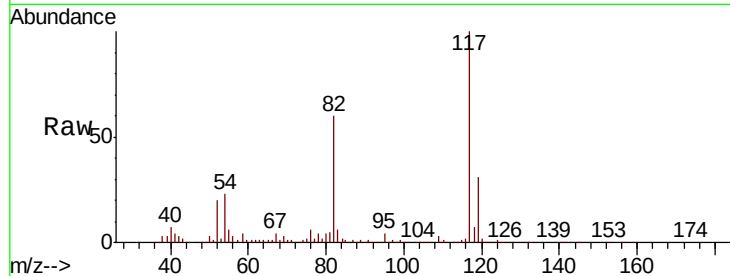




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055575.D
Acq: 13 May 2019 13:19

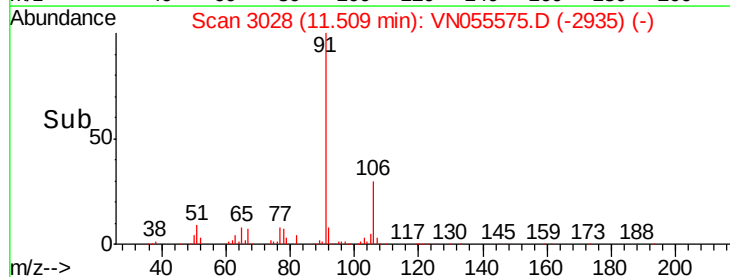
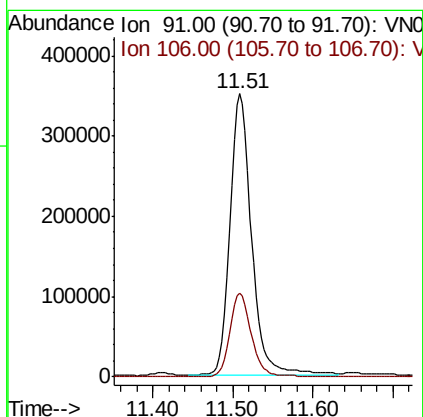
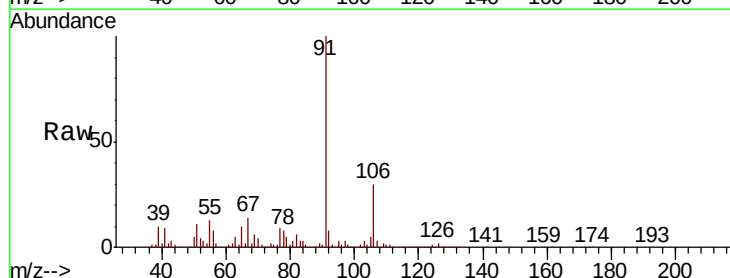
Instrument :
MSVOA_N
ClientSampled :
SB-1(25.5)

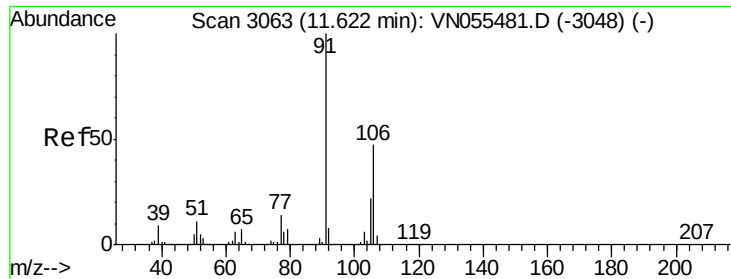
Tot Ion:117 Resp: 1157261
Ion Ratio Lower Upper
117 100
82 58.0 48.0 72.0
119 31.4 26.0 39.0



#67
Ethyl Benzene
Concen: 14.581 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN055575.D
Acq: 13 May 2019 13:19

Tgt Ion: 91 Resp: 652014
Ion Ratio Lower Upper
91 100
106 29.6 23.8 35.6

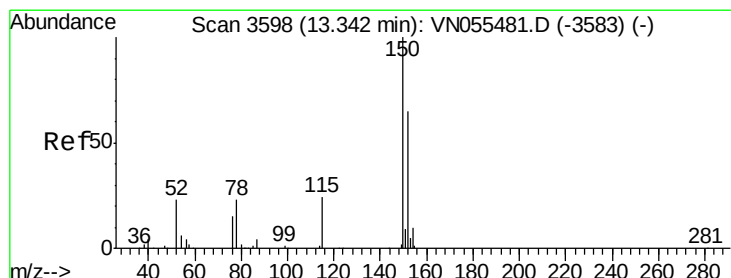
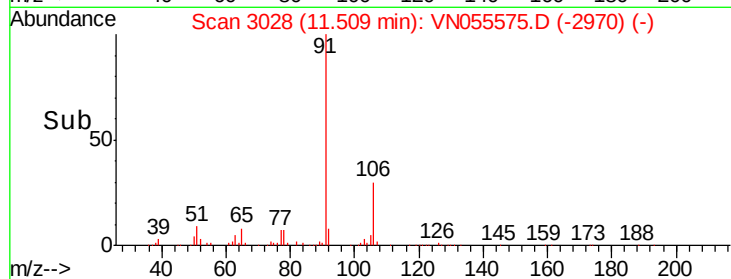
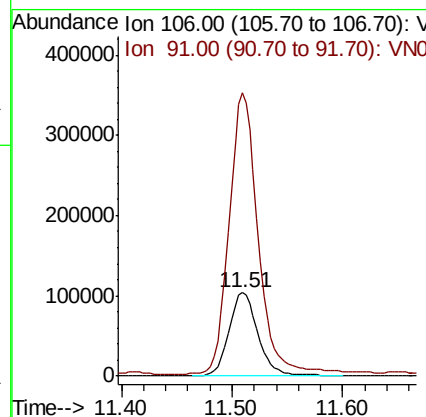
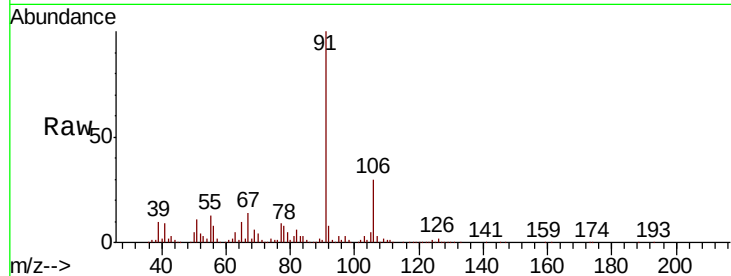




#68
m/p-Xvlenes
Concen: 11.781 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.11 min
Lab File: VN055575.D
Acq: 13 May 2019 13:19

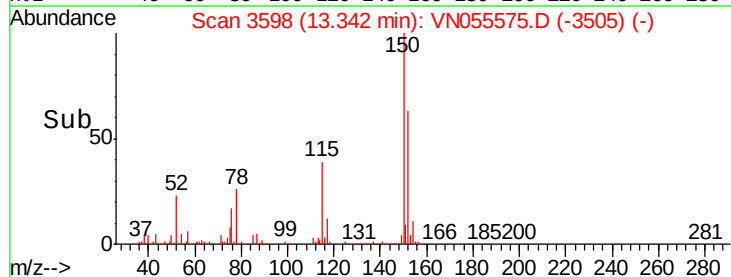
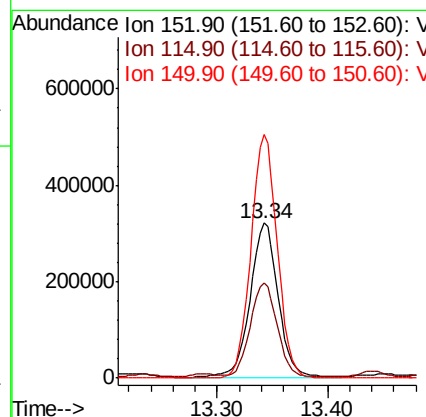
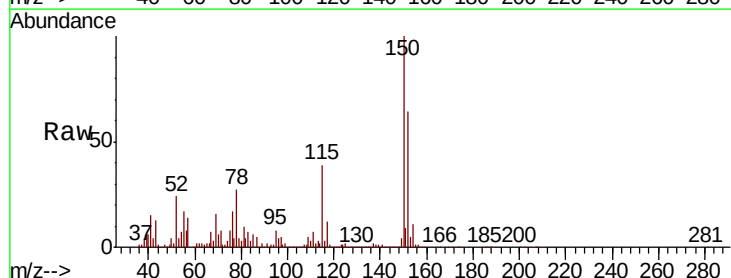
Instrument :
MSVOA_N
ClientSampleId :
SB-1(25.5)

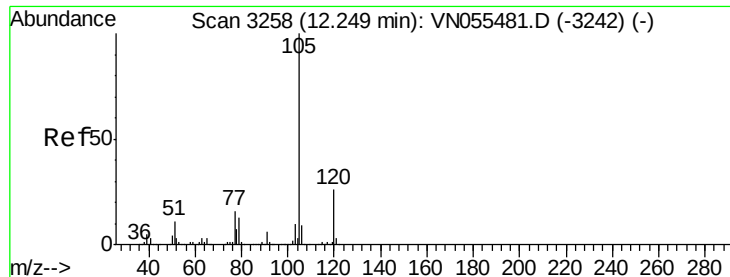
Tot Ion:106 Resp: 189063
Ion Ratio Lower Upper
106 100
91 344.9 169.2 253.8#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN055575.D
Acq: 13 May 2019 13:19

Tgt Ion:152 Resp: 558661
Ion Ratio Lower Upper
152 100
115 58.9 30.1 90.5
150 147.9 0.0 355.0





#73

Isopropylbenzene

Concen: 10.010 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN055575.D

Acq: 13 May 2019 13:19

Instrument :

MSVOA_N

ClientSampleId :

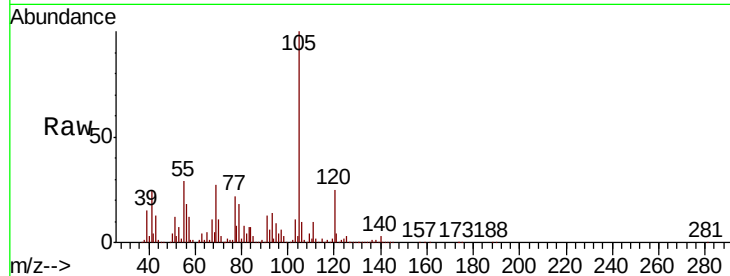
SB-1(25.5)

Tot Ion:105 Resp: 553419

Ion Ratio Lower Upper

105 100

120 25.6 13.0 39.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.25

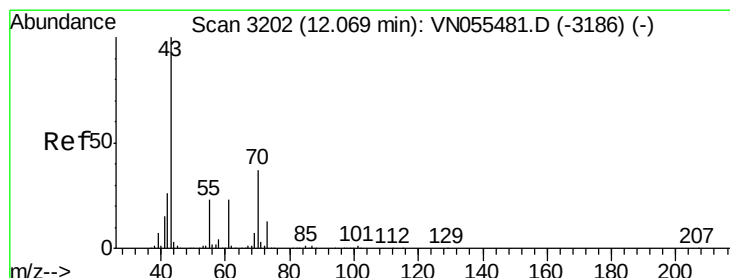
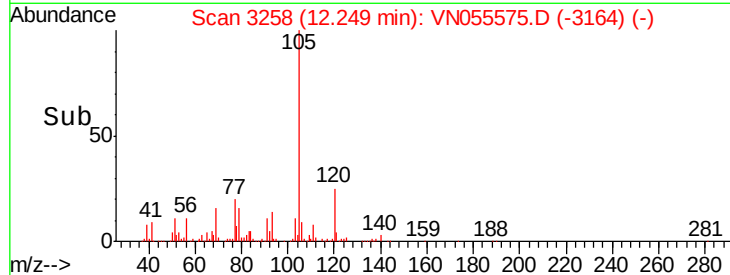
300000

200000

100000

0

Time-->



#74

N-amyl acetate

Concen: 18.225 ug/l

RT: 12.04 min Scan# 3194

Delta R.T. -0.03 min

Lab File: VN055575.D

Acq: 13 May 2019 13:19

Tgt Ion: 43 Resp: 386547

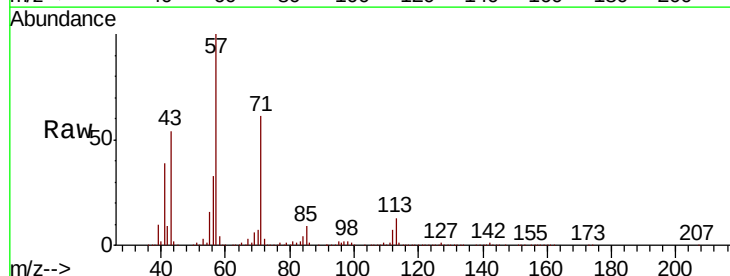
Ion Ratio Lower Upper

43 100

70 8.2 30.7 46.1#

55 6.1 19.3 28.9#

61 0.0 18.6 27.8#



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

12.04

400000

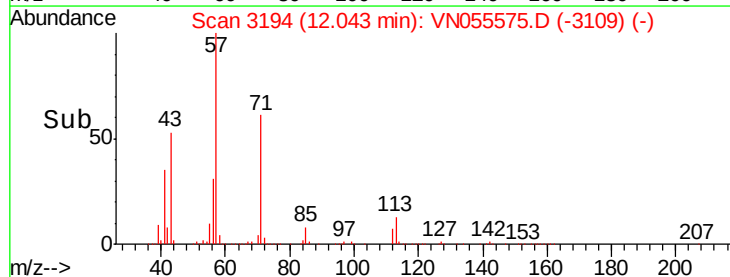
300000

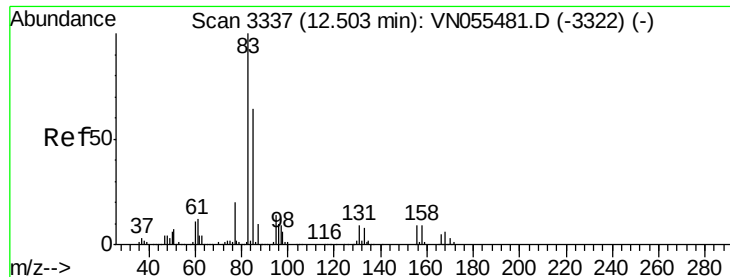
200000

100000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 1.319 ug/l

RT: 12.45 min Scan# 3320

Delta R.T. -0.05 min

Lab File: VN055575.D

Acq: 13 May 2019 13:19

Instrument :

MSVOA_N

ClientSampleId :

SB-1(25.5)

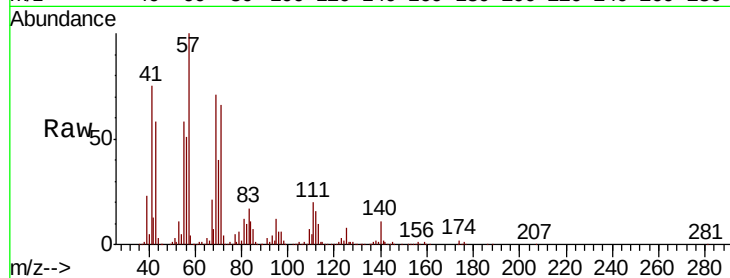
Tot Ion: 83 Resp: 55413

Ion Ratio Lower Upper

83 100

131 0.3 4.5 13.5#

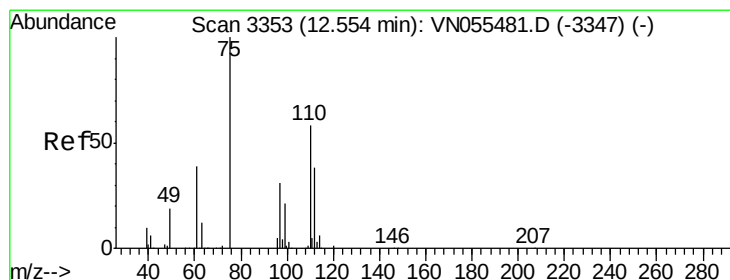
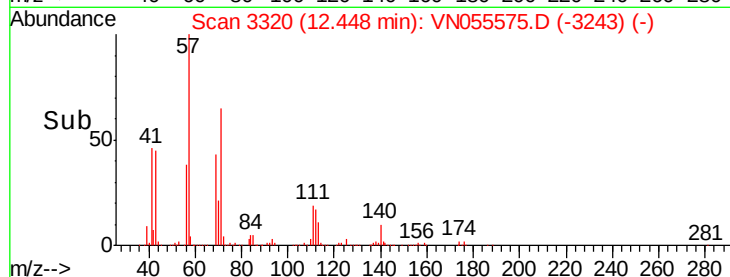
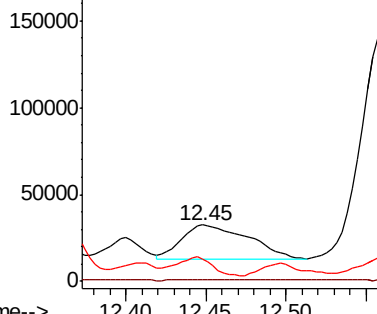
85 29.0 32.0 96.0#



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 18.284 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN055575.D

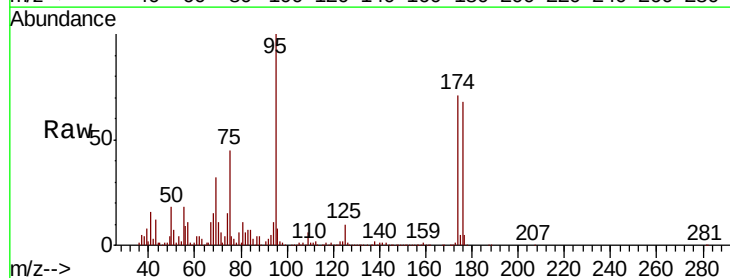
Acq: 13 May 2019 13:19

Tgt Ion: 75 Resp: 278070

Ion Ratio Lower Upper

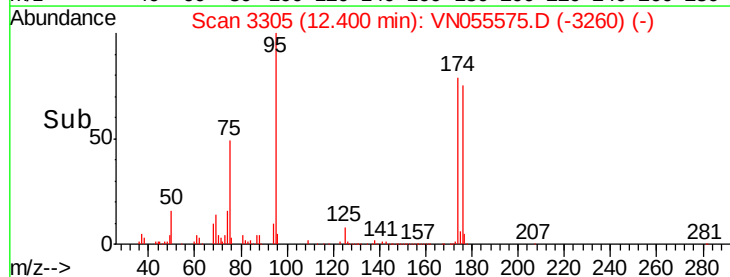
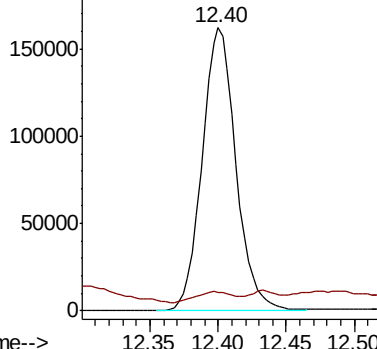
75 100

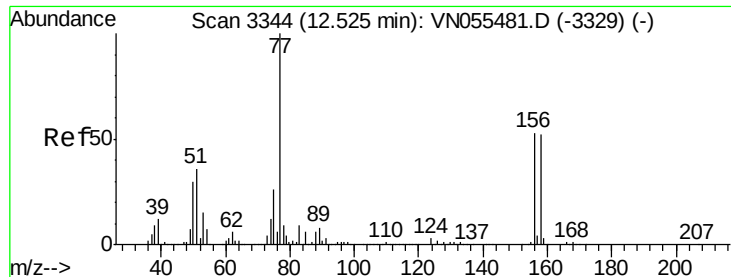
77 4.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 6.777 ug/l

RT: 12.53 min Scan# 3346

Delta R.T. 0.01 min

Lab File: VN055575.D

Acq: 13 May 2019 13:19

Instrument :

MSVOA_N

ClientSampleId :

SB-1(25.5)

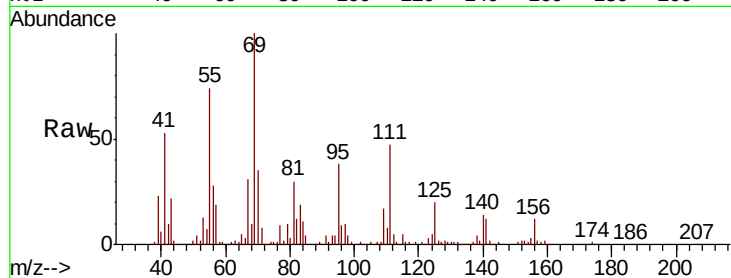
Tot Ion:156 Resp: 83435

Ion Ratio Lower Upper

156 100

77 0.0 115.4 346.2#

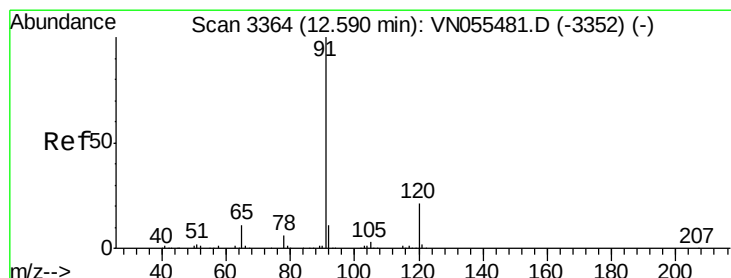
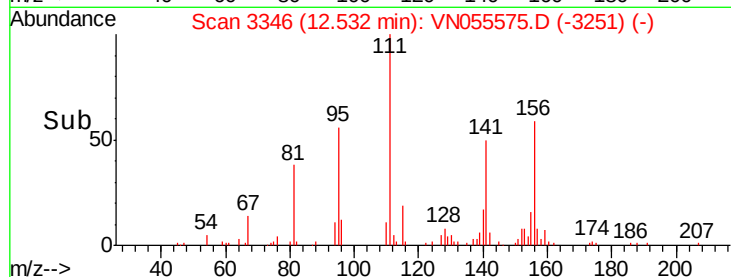
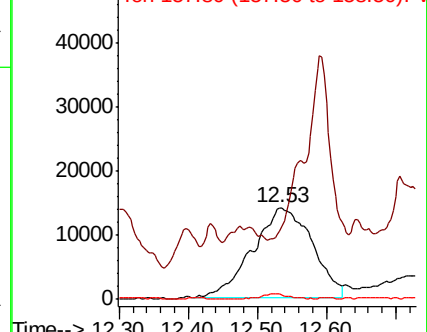
158 2.6 48.7 146.1#



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.936 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN055575.D

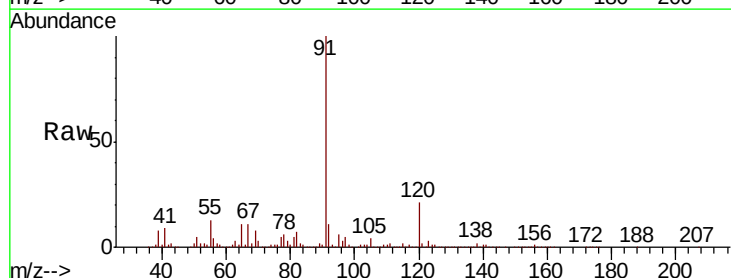
Acq: 13 May 2019 13:19

Tgt Ion: 91 Resp: 1194542

Ion Ratio Lower Upper

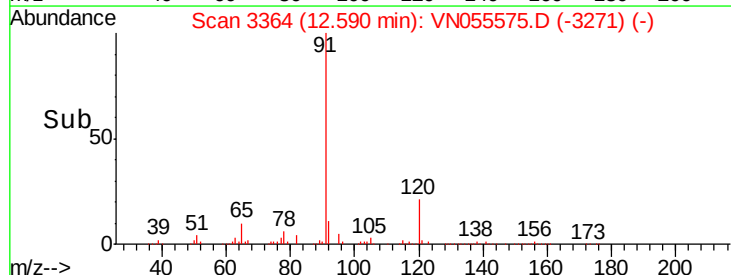
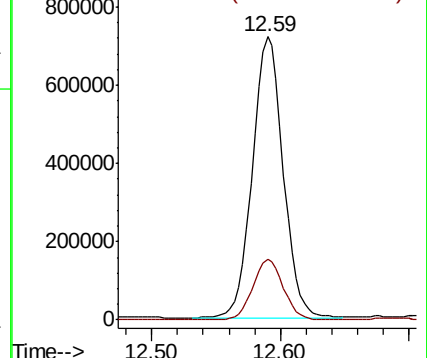
91 100

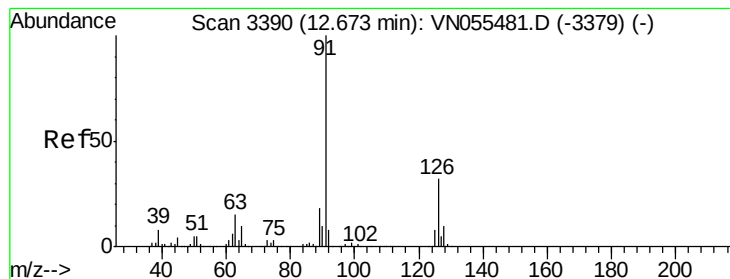
120 21.5 10.8 32.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 31.989 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.08 min

Lab File: VN055575.D

Acq: 13 May 2019 13:19

Instrument :

MSVOA_N

ClientSampleId :

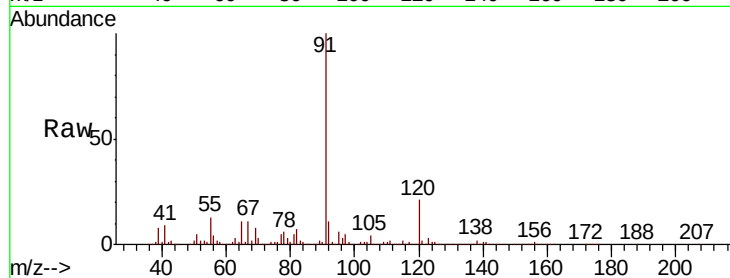
SB-1(25.5)

Tot Ion: 91 Resp: 1194542

Ion Ratio Lower Upper

91 100

126 0.0 16.0 47.9#



Abundance Ion 91.00 (90.70 to 91.70): VN055481.D (-3379) (-)

Ion 125.90 (125.60 to 126.60): VN055481.D (-3379) (-)

12.59

800000

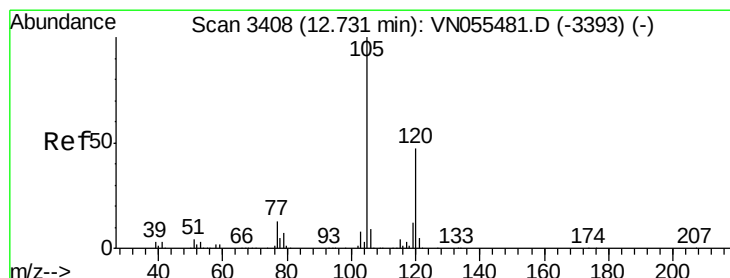
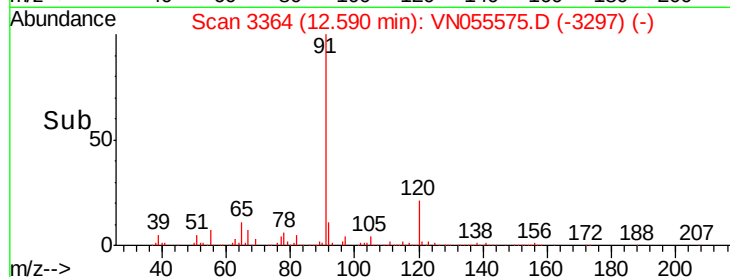
600000

400000

200000

0

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 7.211 ug/l

RT: 12.89 min Scan# 3457

Delta R.T. 0.16 min

Lab File: VN055575.D

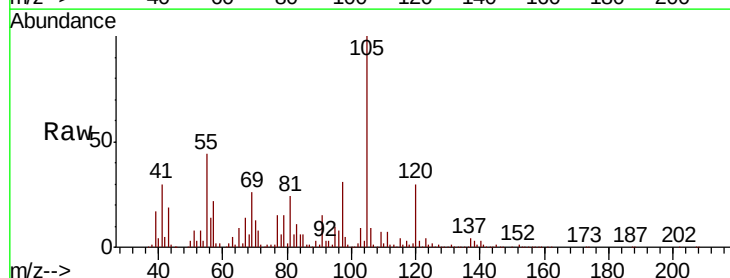
Acq: 13 May 2019 13:19

Tgt Ion:105 Resp: 322172

Ion Ratio Lower Upper

105 100

120 29.9 23.4 70.0



Abundance Ion 105.00 (104.70 to 105.70): VN055481.D (-3393) (-)

Ion 120.00 (119.70 to 120.70): VN055481.D (-3393) (-)

12.89

200000

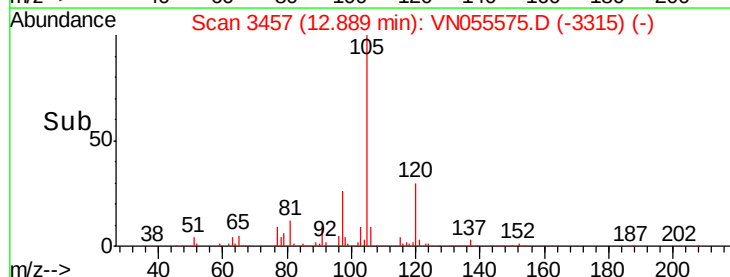
150000

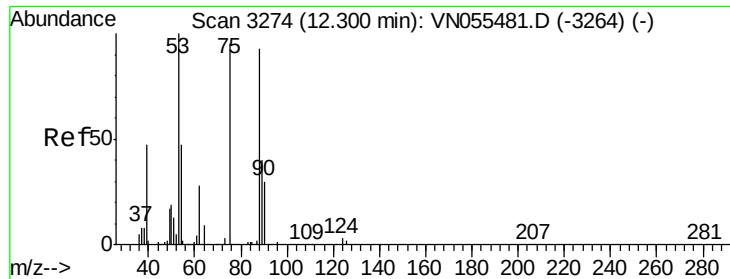
100000

50000

0

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 67.464 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN055575.D

Acq: 13 May 2019 13:19

Instrument :

MSVOA_N

ClientSampleId :

SB-1(25.5)

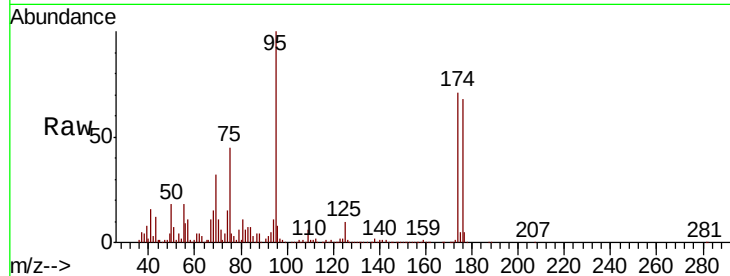
Tot Ion: 75 Resp: 278070

Ion Ratio Lower Upper

75 100

53 3.9 86.5 129.7#

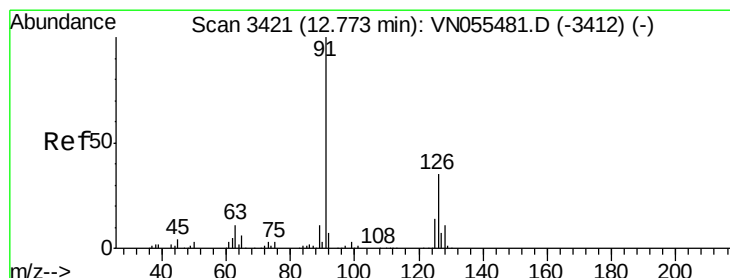
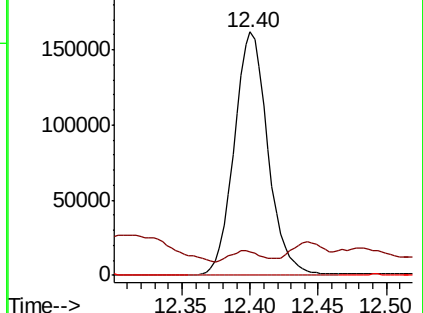
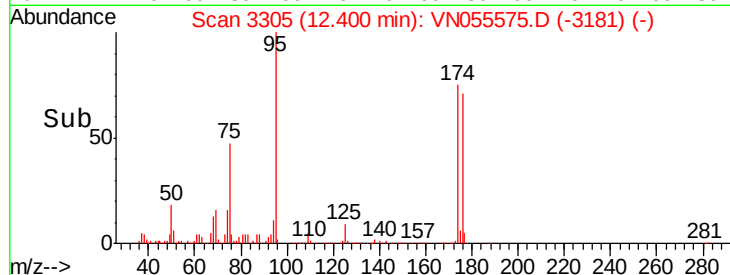
89 0.3 35.7 53.5#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 33.854 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.18 min

Lab File: VN055575.D

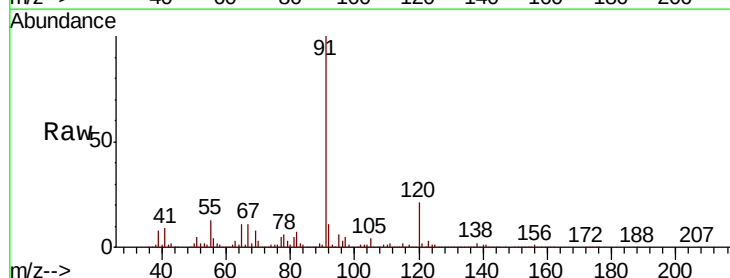
Acq: 13 May 2019 13:19

Tgt Ion: 91 Resp: 1194542

Ion Ratio Lower Upper

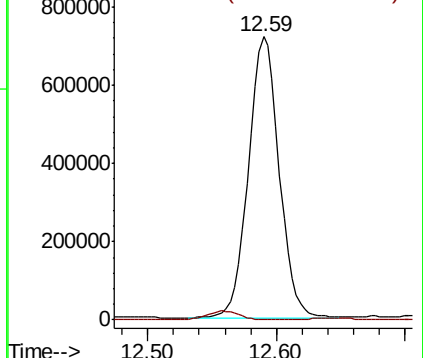
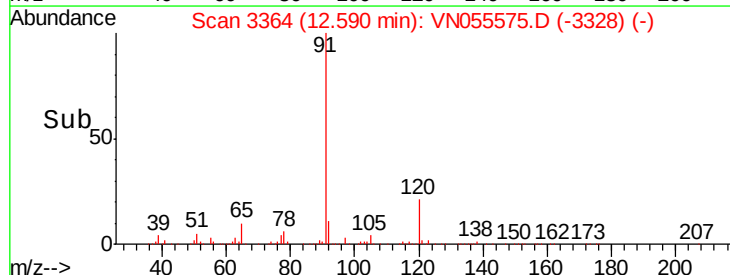
91 100

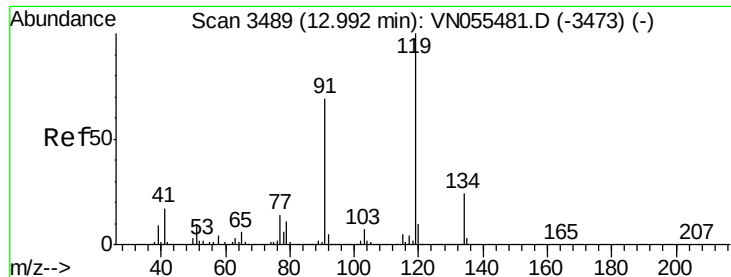
126 0.0 15.7 47.0#



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

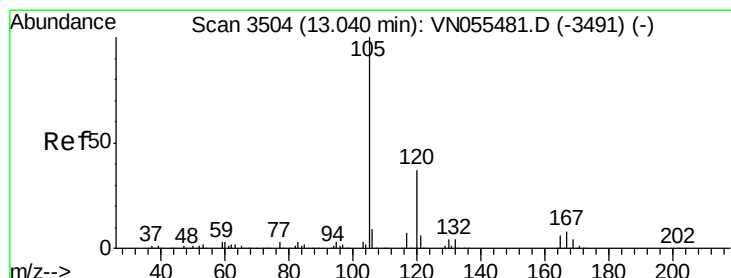
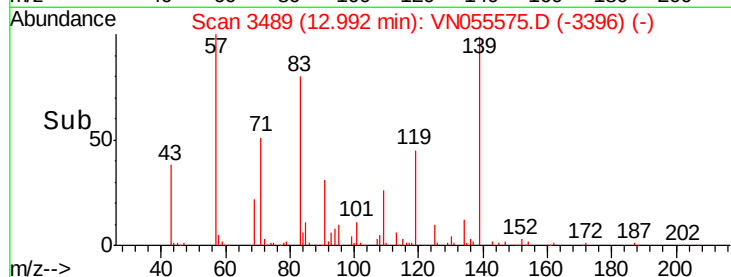
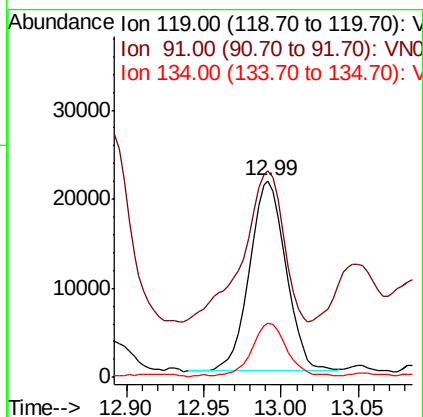
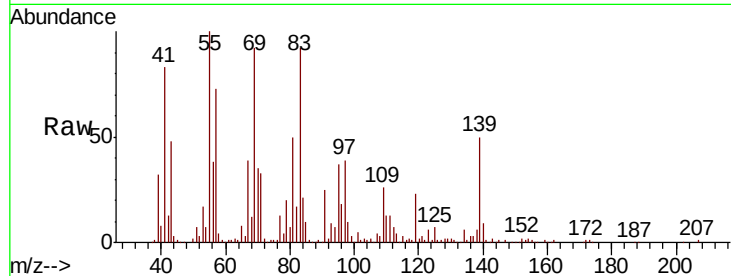




#83
 tert-Butylbenzene
 Concen: 0.916 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. 0.00 min
 Lab File: VN055575.D
 Acq: 13 May 2019 13:19

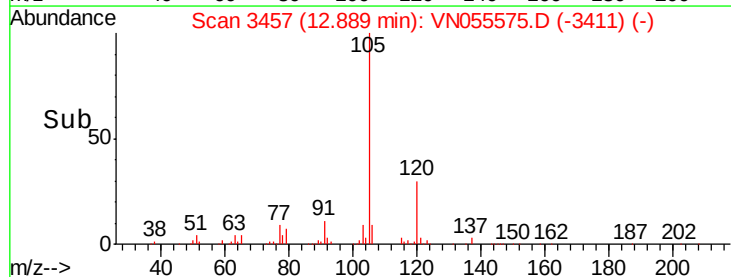
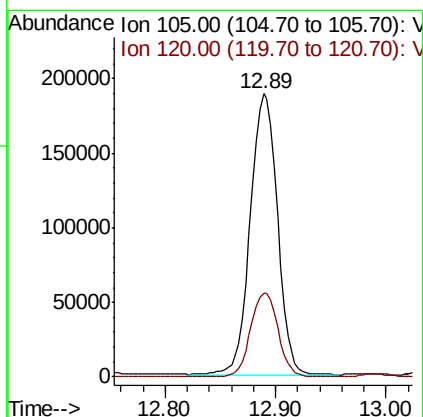
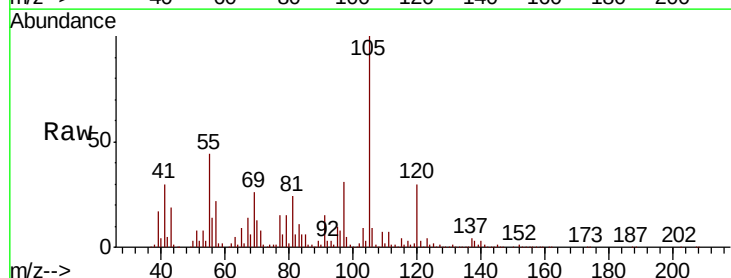
Instrument :
 MSVOA_N
 ClientSampled :
 SB-1(25.5)

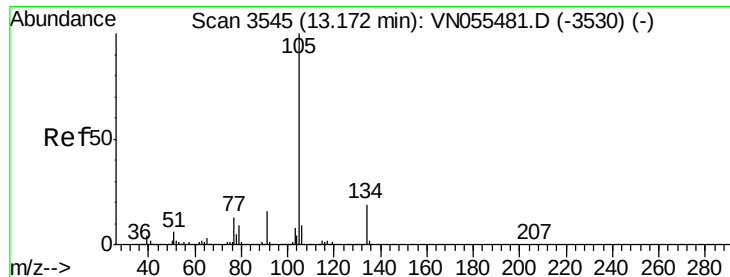
Tot Ion:119 Resp: 35072
 Ion Ratio Lower Upper
 119 100
 91 87.5 33.8 101.3
 134 26.0 12.5 37.5



#84
 1,2,4-Trimethylbenzene
 Concen: 7.863 ug/l
 RT: 12.89 min Scan# 3457
 Delta R.T. -0.15 min
 Lab File: VN055575.D
 Acq: 13 May 2019 13:19

Tgt Ion:105 Resp: 322212
 Ion Ratio Lower Upper
 105 100
 120 29.9 22.1 66.5





#85

sec-Butylbenzene

Concen: 14.392 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN055575.D

Acq: 13 May 2019 13:19

Instrument :

MSVOA_N

ClientSampleId :

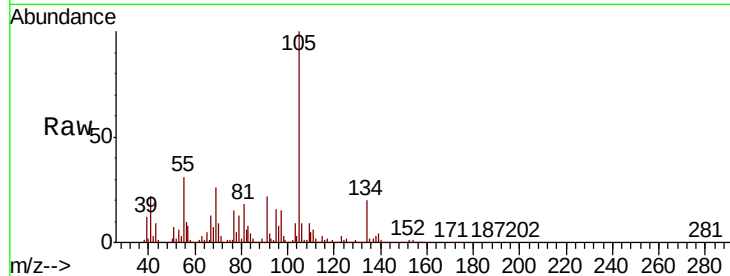
SB-1(25.5)

Tot Ion:105 Resp: 732480

Ion Ratio Lower Upper

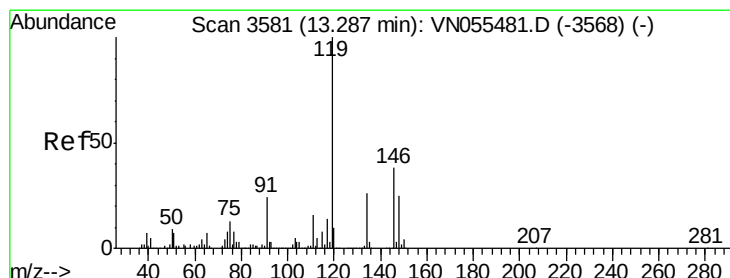
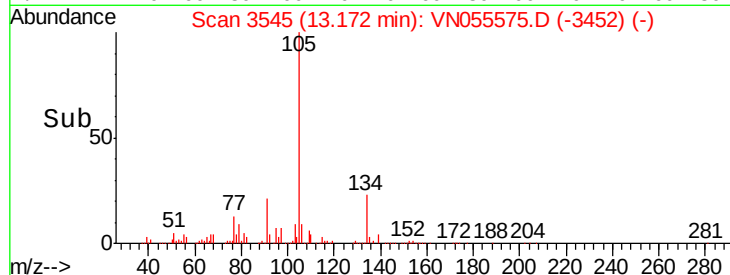
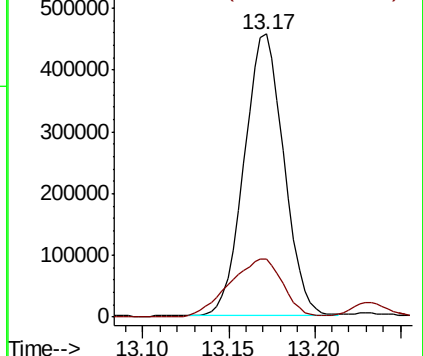
105 100

134 27.9 9.3 28.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 3.179 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN055575.D

Acq: 13 May 2019 13:19

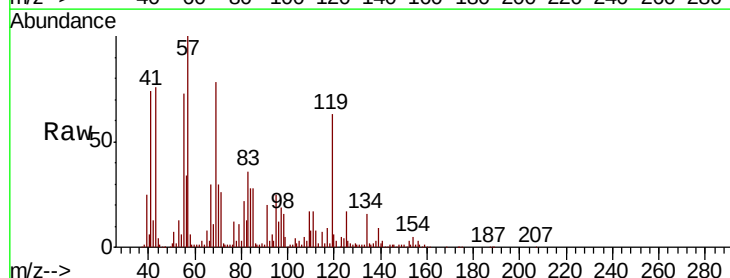
Tgt Ion:119 Resp: 131685

Ion Ratio Lower Upper

119 100

134 25.2 12.8 38.4

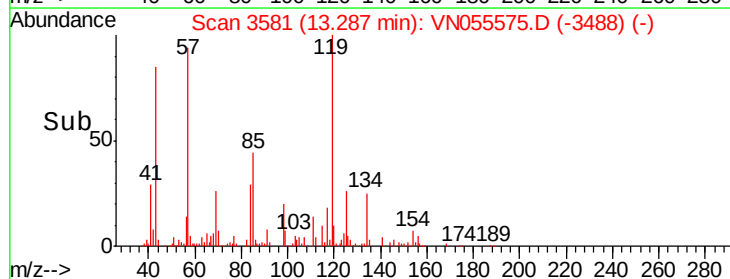
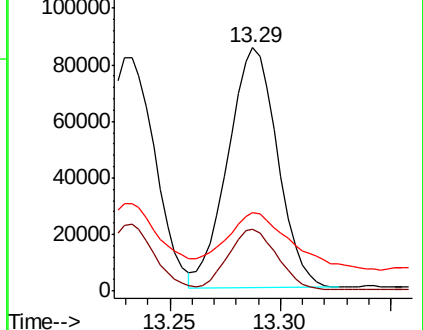
91 30.6 12.0 36.0

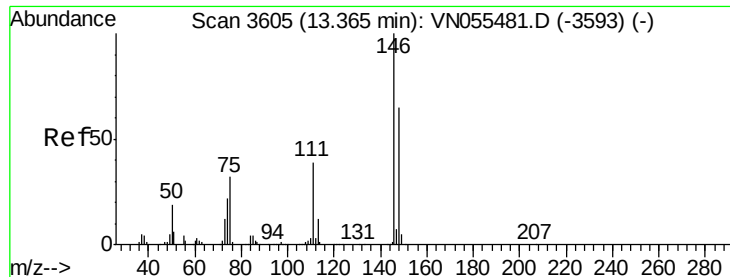


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#88

1,4-Dichlorobenzene

Concen: 0.266 ug/l

RT: 13.36 min Scan# 3604

Delta R.T. -0.00 min

Lab File: VN055575.D

Acq: 13 May 2019 13:19

Instrument :

MSVOA_N

ClientSampleId :

SB-1(25.5)

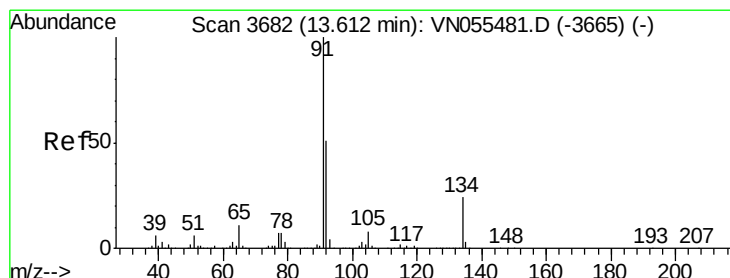
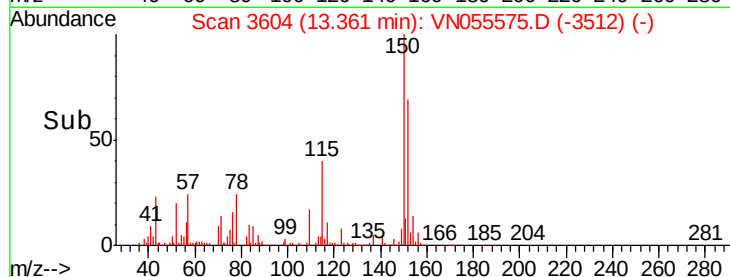
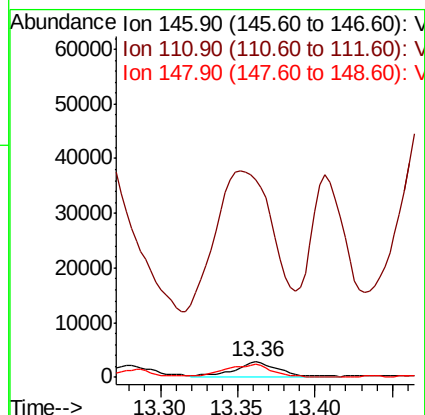
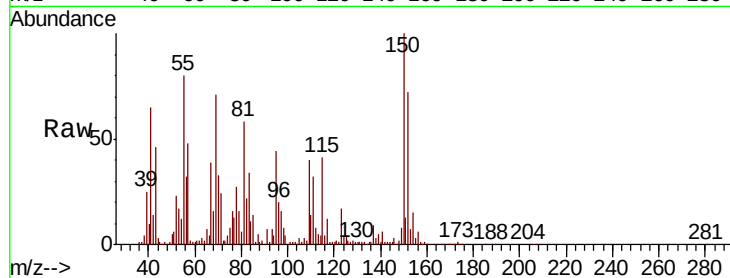
Tot Ion:146 Resp: 4991

Ion Ratio Lower Upper

146 100

111 1302.7 19.6 58.8#

148 103.7 32.5 97.4#



#89

n-Butylbenzene

Concen: 26.425 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. 0.00 min

Lab File: VN055575.D

Acq: 13 May 2019 13:19

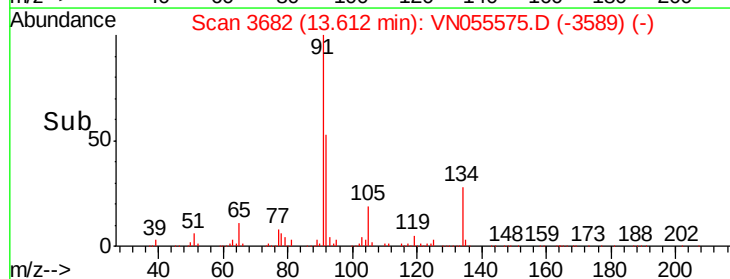
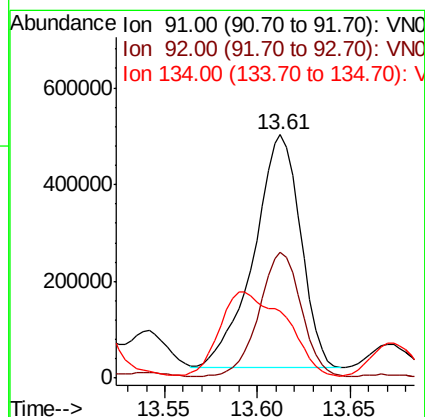
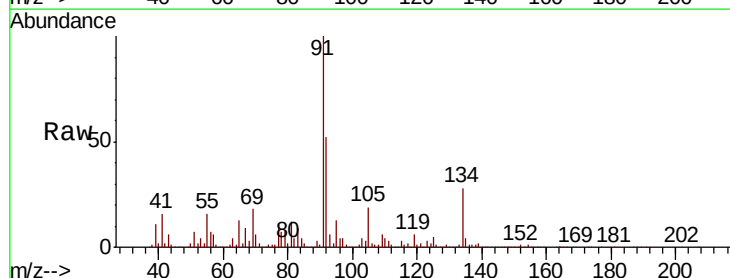
Tgt Ion: 91 Resp: 848417

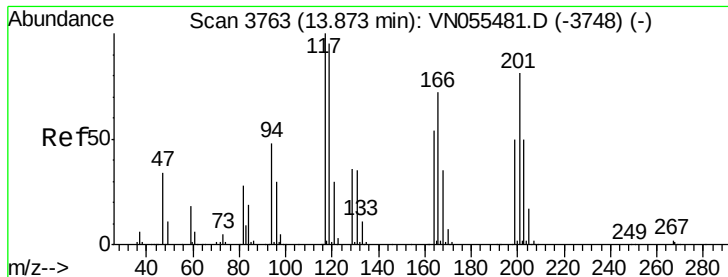
Ion Ratio Lower Upper

91 100

92 48.2 25.9 77.7

134 50.5 11.8 35.4#





#90

Hexachloroethane

Concen: 14.549 ug/l

RT: 13.89 min Scan# 3767

Delta R.T. 0.01 min

Lab File: VN055575.D

Acq: 13 May 2019 13:19

Instrument :

MSVOA_N

ClientSampleId :

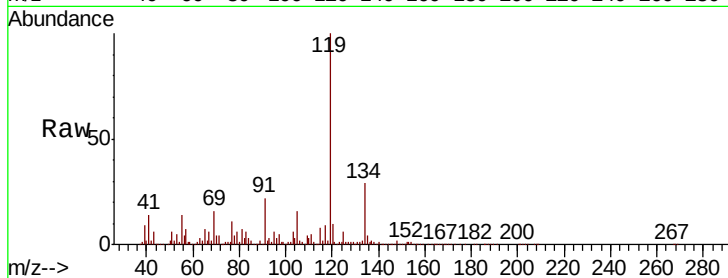
SB-1(25.5)

Tot Ion:117 Resp: 98309

Ion Ratio Lower Upper

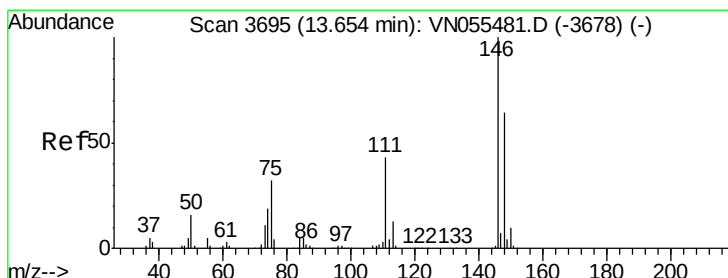
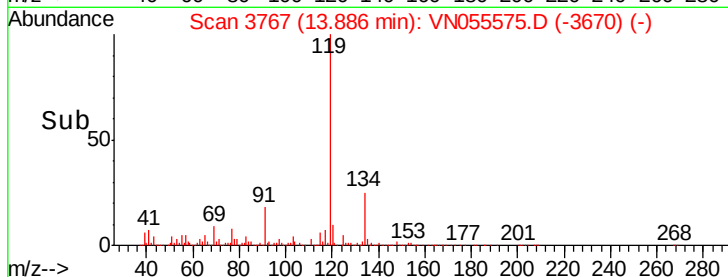
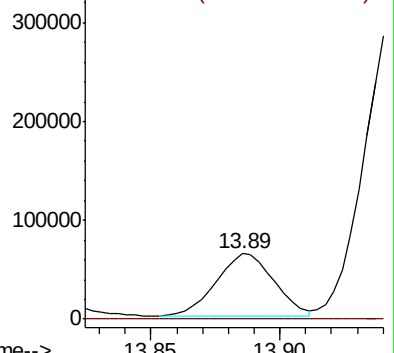
117 100

201 0.8 40.1 120.2#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#91

1,2-Dichlorobenzene

Concen: 0.393 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. -0.00 min

Lab File: VN055575.D

Acq: 13 May 2019 13:19

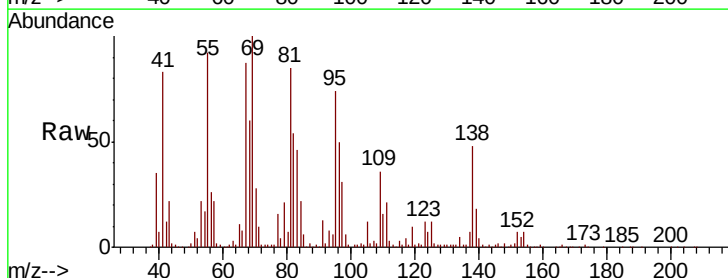
Tgt Ion:146 Resp: 7479

Ion Ratio Lower Upper

146 100

111 1587.1 21.3 63.7#

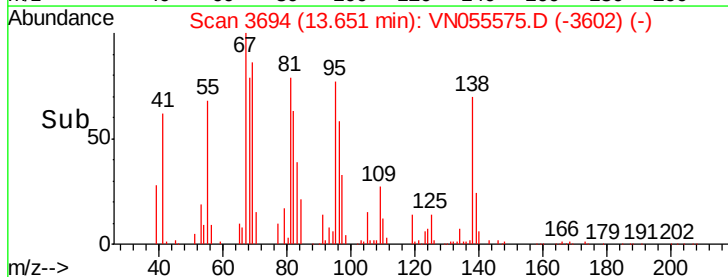
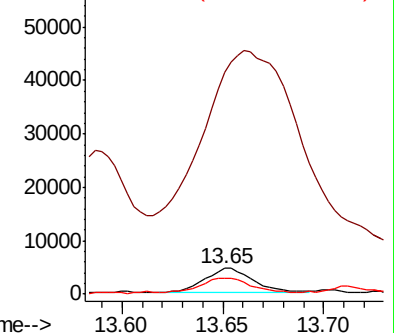
148 63.6 31.9 95.9

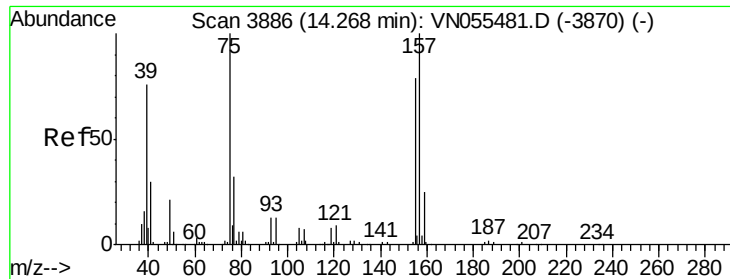


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#92

1,2-Dibromo-3-Chloropropane

Concen: 4.471 ug/l

RT: 14.25 min Scan# 3879

Delta R.T. -0.02 min

Lab File: VN055575.D

Acq: 13 May 2019 13:19

Instrument :

MSVOA_N

ClientSampled :

SB-1(25.5)

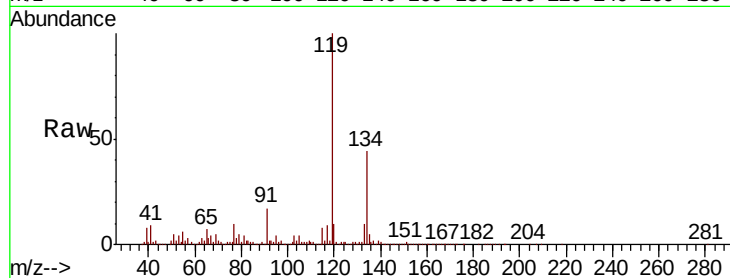
Tot Ion: 75 Resp: 11486

Ion Ratio Lower Upper

75 100

155 0.0 39.3 117.8#

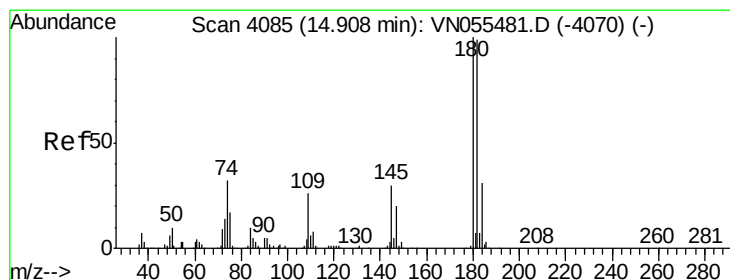
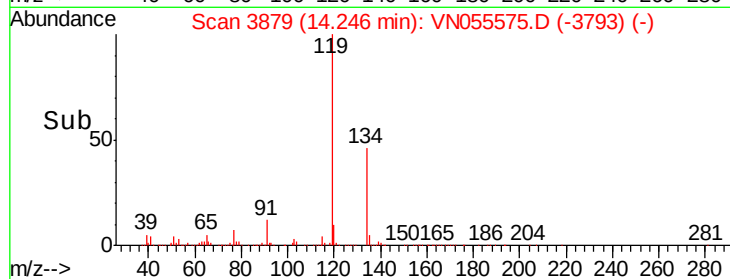
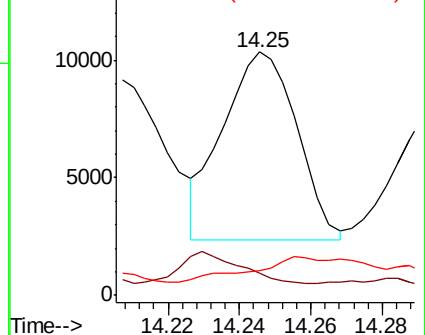
157 13.6 50.6 151.8#



Abundance Ion 74.90 (74.60 to 75.60): VN055481.D (-3870) (-)

Ion 154.80 (154.50 to 155.50): VN055481.D (-3870) (-)

Ion 156.80 (156.50 to 157.50): VN055481.D (-3870) (-)



#93

1,2,4-Trichlorobenzene

Concen: 4.129 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. 0.00 min

Lab File: VN055575.D

Acq: 13 May 2019 13:19

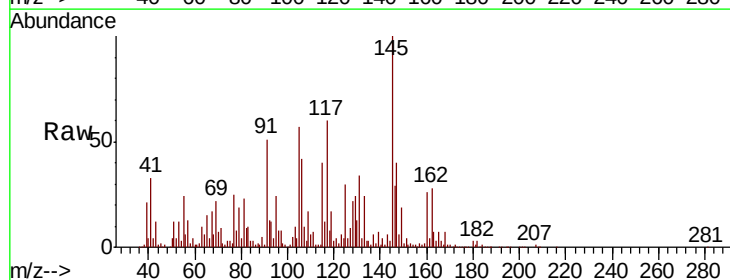
Tgt Ion:180 Resp: 8173

Ion Ratio Lower Upper

180 100

182 124.9 48.7 146.1

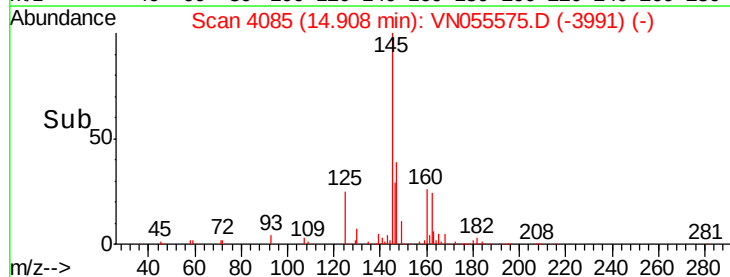
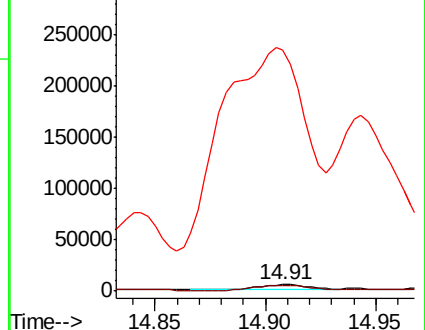
145 8070.0 15.3 45.9#

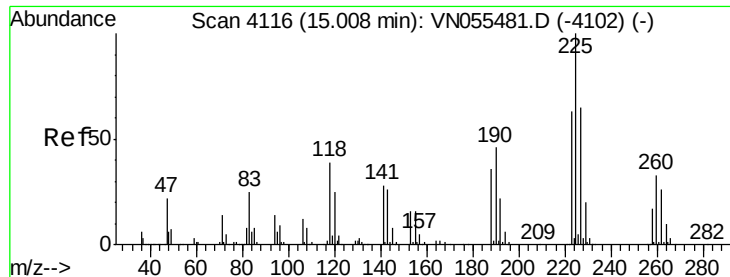


Abundance Ion 179.80 (179.50 to 180.50): VN055481.D (-4070) (-)

Ion 181.80 (181.50 to 182.50): VN055481.D (-4070) (-)

Ion 144.80 (144.50 to 145.50): VN055481.D (-4070) (-)





#94

Hexachlorobutadiene

Concen: Below Cal

RT: 15.01 min Scan# 4116

Delta R.T. 0.00 min

Lab File: VN055575.D

Acq: 13 May 2019 13:19

Instrument :

MSVOA_N

ClientSampleId :

SB-1(25.5)

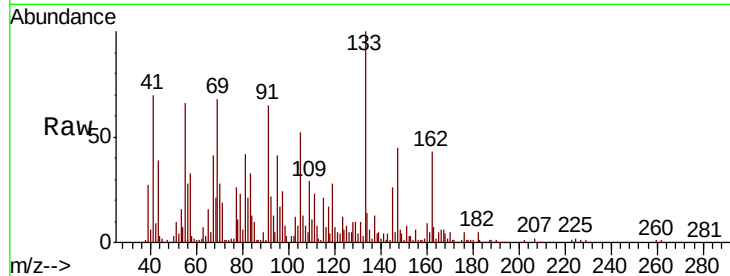
Tot Ion:225 Resp: 3678

Ion Ratio Lower Upper

225 100

223 63.0 31.4 94.3

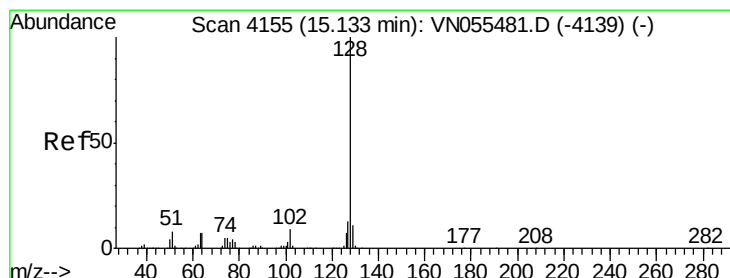
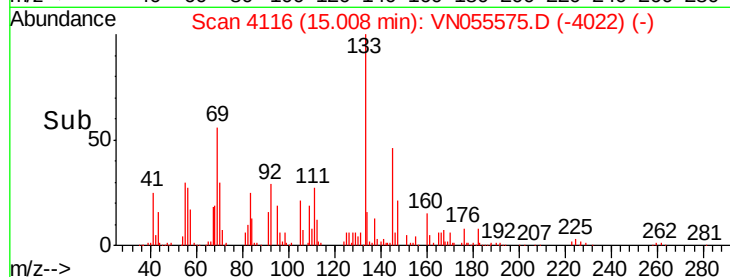
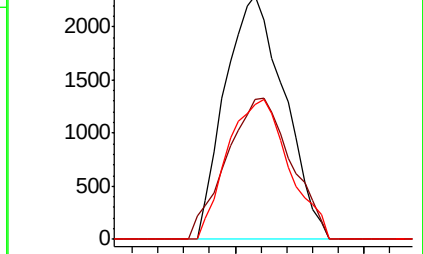
227 59.3 32.0 96.0



Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V



#95

Naphthalene

Concen: 9.295 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. -0.00 min

Lab File: VN055575.D

Acq: 13 May 2019 13:19

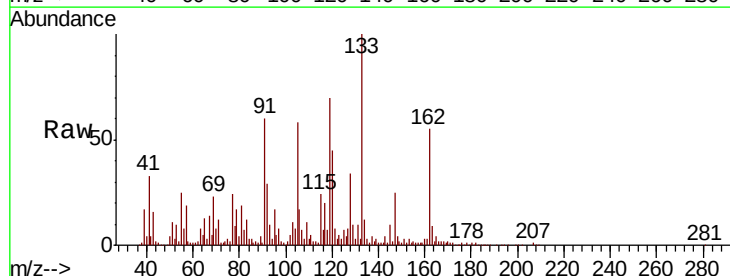
Tgt Ion:128 Resp: 157337

Ion Ratio Lower Upper

128 100

127 0.0 10.0 15.0#

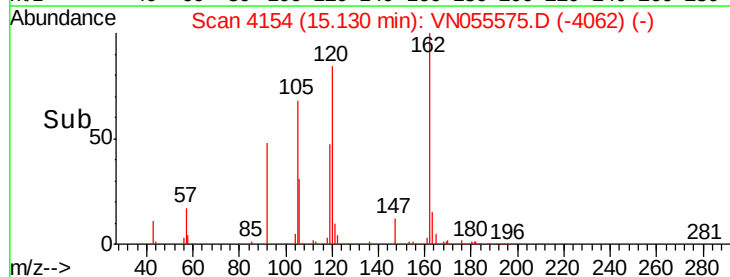
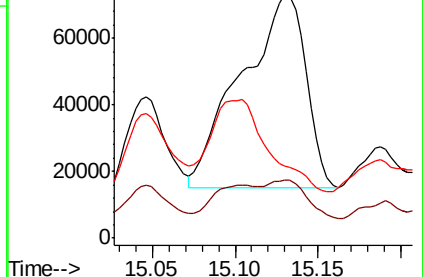
129 0.0 8.8 13.2#

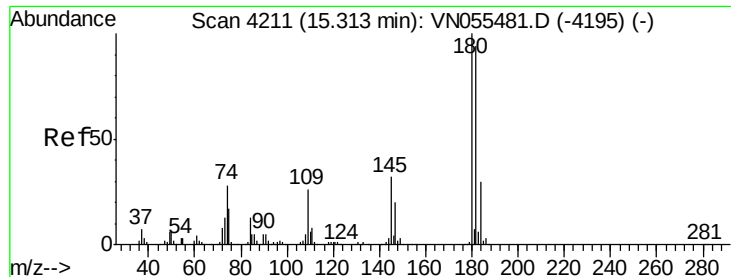


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V





#96
 1,2,3-Trichlorobenzene
 Concen: 3.343 ug/l
 RT: 15.32 min Scan# 4213
 Delta R.T. 0.01 min
 Lab File: VN055575.D
 Acq: 13 May 2019 13:19

Instrument :
 MSVOA_N
 ClientSampleId :
 SB-1(25.5)

Tot Ion:180 Resp: 8665
 Ion Ratio Lower Upper
 180 100
 182 118.1 47.1 141.3
 145 0.0 15.8 47.4#

