

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN082919\
 Data File : VN057562.D
 Acq On : 29 Aug 2019 20:52
 Operator : JC/SP
 Sample : K4528-32
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Aug 30 12:09:33 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N082919W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 30 08:56:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	636994	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1013423	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	860234	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	231524	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	373970	37.33	ug/l	0.00
Spiked Amount			Recovery	=	74.66%	
35) Dibromofluoromethane	7.58	113	312318	35.50	ug/l	0.00
Spiked Amount			Recovery	=	71.00%	
50) Toluene-d8	10.08	98	1229067	38.23	ug/l	0.00
Spiked Amount			Recovery	=	76.46%	
62) 4-Bromofluorobenzene	12.40	95	335490	30.84	ug/l	0.00
Spiked Amount			Recovery	=	61.68%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.56	94	3645	0.401	ug/l #	73
10) Methyl Iodide	3.94	142	4737	0.226	ug/l #	85
11) Tert butyl alcohol	4.79	59	377	0.367	ug/l #	70
13) Acrolein	3.59	56	1227	1.394	ug/l #	68
16) Acetone	3.81	43	26016	6.173	ug/l #	88
18) Methyl Acetate	4.31	43	6006	Below Cal		92
20) Methylene Chloride	4.53	84	10920	1.399	ug/l	86
25) 2-Butanone	6.85	43	1518	0.456	ug/l	100
29) Tetrahydrofuran	7.21	42	847	0.407	ug/l #	66
31) Cyclohexane	7.65	56	13462	1.112	ug/l #	25
36) 1,1-Dichloropropene	7.65	75	48750	4.447	ug/l #	51
38) Carbon Tetrachloride	7.65	117	61332	4.784	ug/l #	15
41) Methacrylonitrile	7.17	41	63	1.285	ug/l #	25
43) Isopropyl Acetate	8.16	43	76116	5.614	ug/l #	93
45) 1,2-Dichloropropane	9.26	63	1633	0.208	ug/l #	44
48) Methyl methacrylate	9.18	41	4833	0.755	ug/l #	16
49) 1,4-Dioxane	9.27	88	72	0.616	ug/l #	1
51) 4-Methyl-2-Pentanone	9.99	43	7043	0.972	ug/l	96
54) cis-1,3-Dichloropropene	9.90	75	38927	2.932	ug/l #	56
57) 1,3-Dichloropropane	10.76	76	5020	0.376	ug/l #	43
59) 2-Hexanone	10.76	43	60000	11.994	ug/l #	60
71) Bromoform	12.40	173	2733	0.481	ug/l #	1
73) Isopropylbenzene	12.26	105	2510	Below Cal		86
74) N-aryl acetate	12.03	43	1309	Below Cal	#	48
75) 1,1,2,2-Tetrachloroethane	12.50	83	91	Below Cal	#	34
76) 1,2,3-Trichloropropane	12.40	75	177750	41.156	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	177750	115.441	ug/l #	8
82) 4-Chlorotoluene	12.68	91	2836	0.200	ug/l	95
83) tert-Butylbenzene	13.00	119	2129	Below Cal		89
85) sec-Butylbenzene	13.17	105	4465	0.210	ug/l	92
86) p-Isopropyltoluene	13.29	119	4233	0.231	ug/l	96
87) 1,3-Dichlorobenzene	13.29	146	3450	0.416	ug/l	95
88) 1,4-Dichlorobenzene	13.29	146	3450	0.434	ug/l	94
89) n-Butylbenzene	13.62	91	4775	0.344	ug/l	99

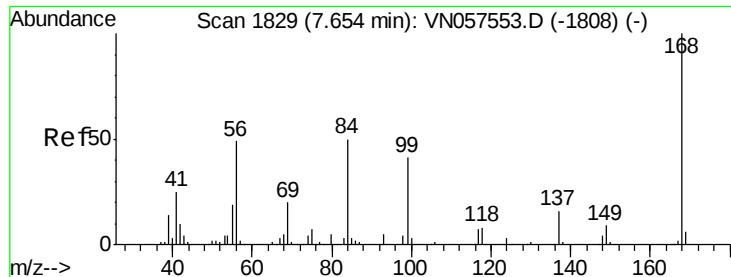
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN082919\
Data File : VN057562.D
Acq On : 29 Aug 2019 20:52
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Quant Title : SW846 8260
QLast Update : Fri Aug 30 08:56:38 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
91) 1,2-Dichlorobenzene	13.66	146	3768	0.487	ug/l	94
93) 1,2,4-Trichlorobenzene	14.91	180	3915	4.910	ug/l	97
94) Hexachlorobutadiene	15.01	225	982	0.385	ug/l #	58
95) Naphthalene	15.13	128	10006	1.306	ug/l #	92
96) 1,2,3-Trichlorobenzene	15.30	180	3662	1.400	ug/l	90

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN057562.D

Acq: 29 Aug 2019 20:52

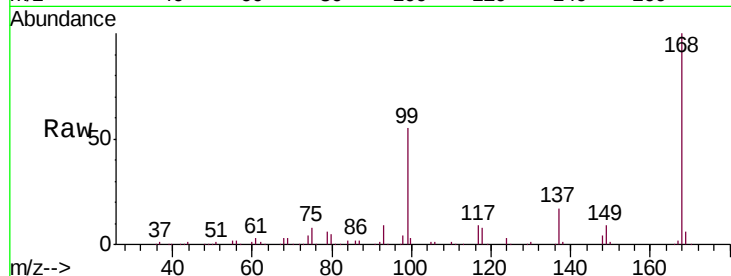
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:168 Resp: 636994

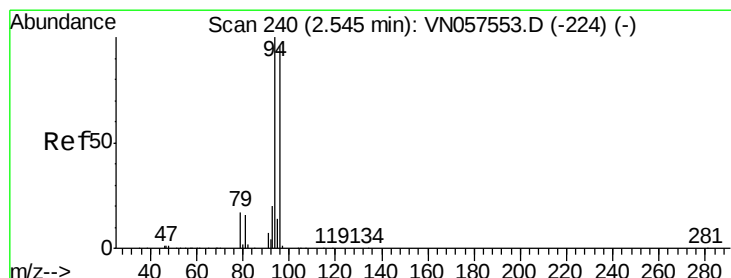
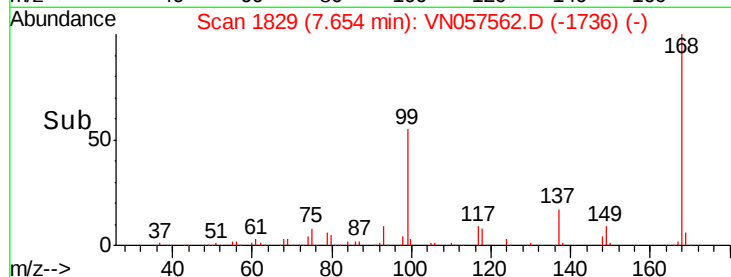
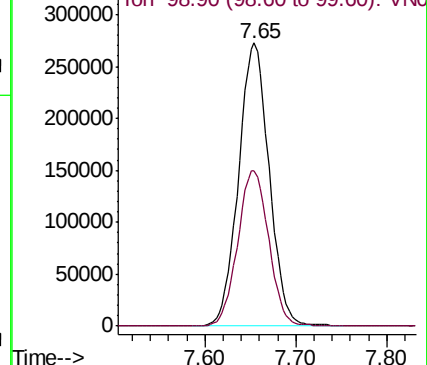
Ion Ratio Lower Upper

168 100

99 54.9 50.6 76.0



Abundance Ion 167.90 (167.60 to 168.60): V
Ion 98.90 (98.60 to 99.60): VN



#5

Bromomethane

Concen: 0.401 ug/l

RT: 2.56 min Scan# 246

Delta R.T. 0.02 min

Lab File: VN057562.D

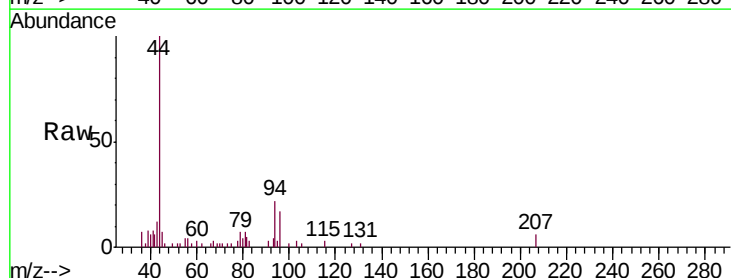
Acq: 29 Aug 2019 20:52

Tgt Ion: 94 Resp: 3645

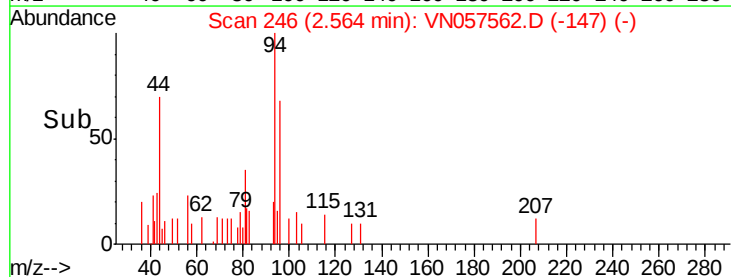
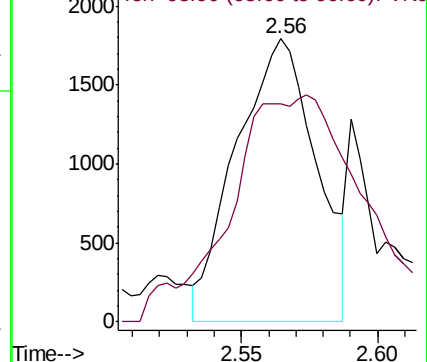
Ion Ratio Lower Upper

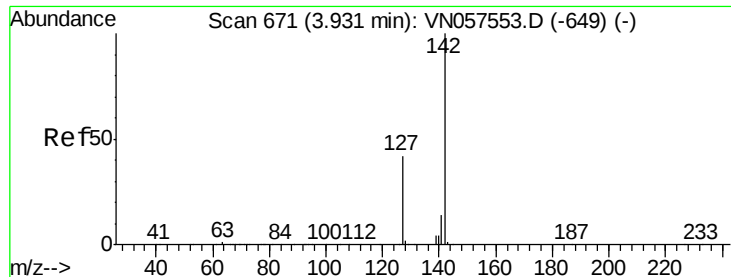
94 100

96 69.0 76.2 114.4#



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

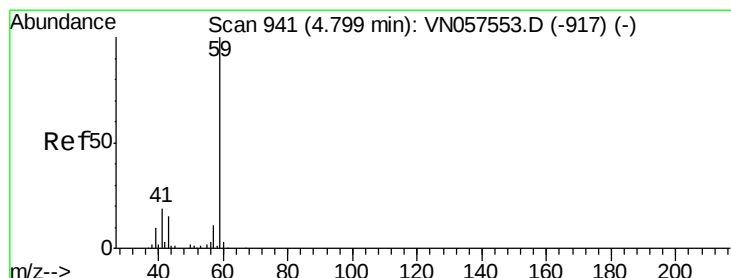
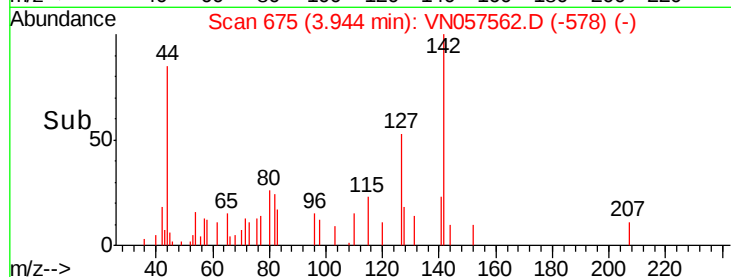
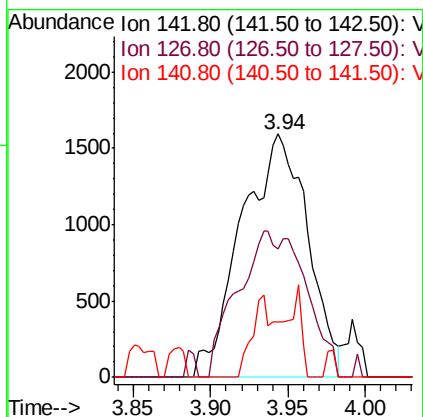
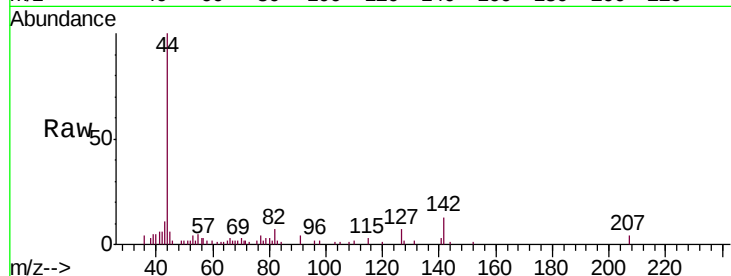




#10
Methvl Iodide
Concen: 0.226 ug/l
RT: 3.94 min Scan# 675
Delta R.T. 0.01 min
Lab File: VN057562.D
Acq: 29 Aug 2019 20:52

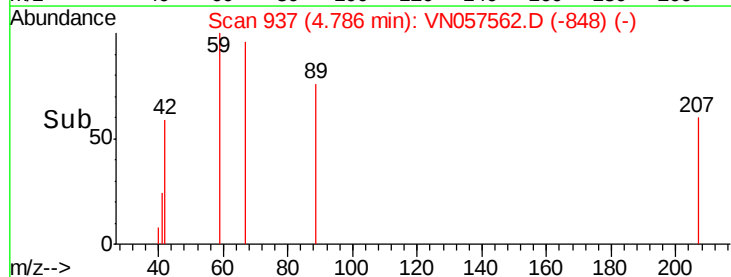
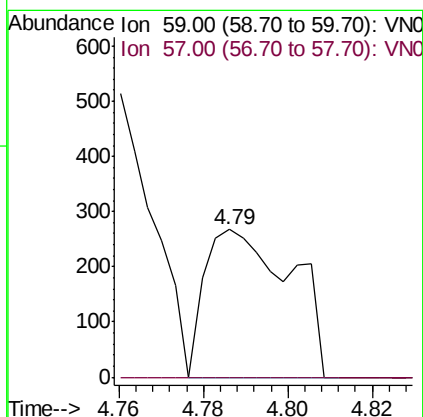
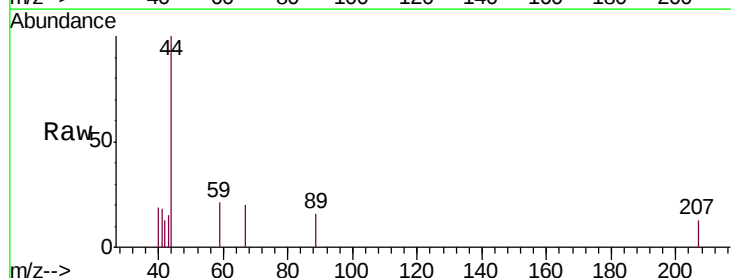
Instrument :
MSVOA_N
ClientSampleId :

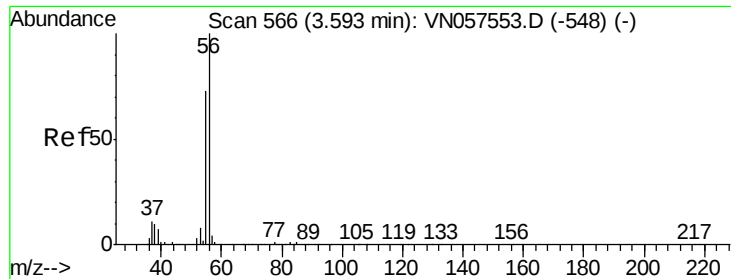
Tot Ion:142 Resp: 4737
Ion Ratio Lower Upper
142 100
127 37.1 37.8 56.8#
141 9.8 11.9 17.9#



#11
Tert butyl alcohol
Concen: 0.367 ug/l
RT: 4.79 min Scan# 937
Delta R.T. -0.01 min
Lab File: VN057562.D
Acq: 29 Aug 2019 20:52

Tgt Ion: 59 Resp: 377
Ion Ratio Lower Upper
59 100
57 0.0 9.1 13.7#

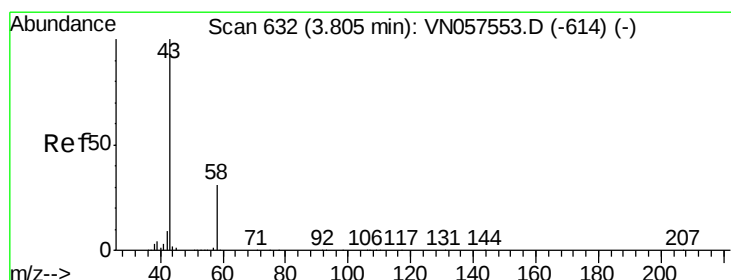
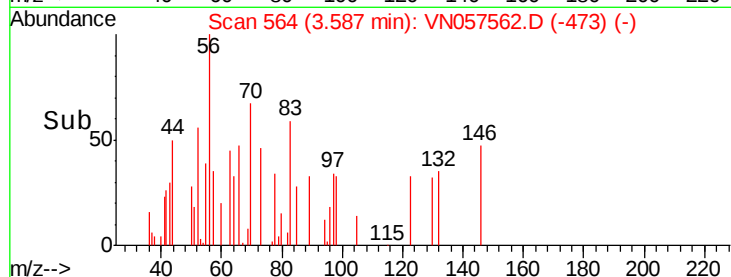
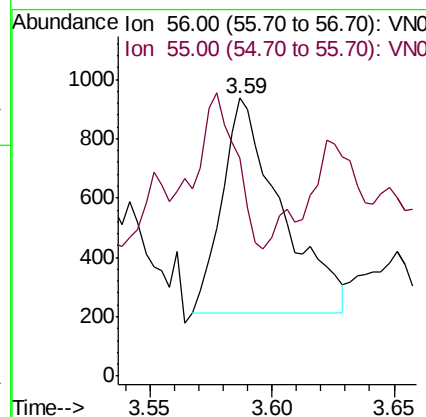
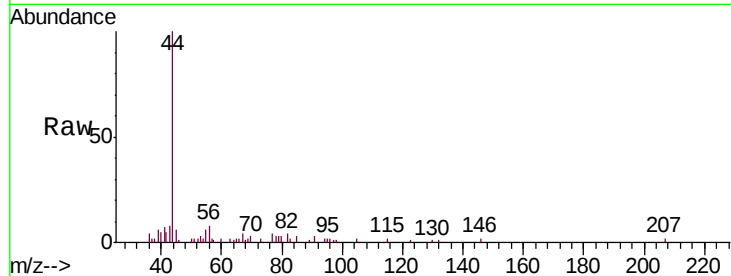




#13
Acrolein
Concen: 1.394 ug/l
RT: 3.59 min Scan# 564
Delta R.T. -0.01 min
Lab File: VN057562.D
Acq: 29 Aug 2019 20:52

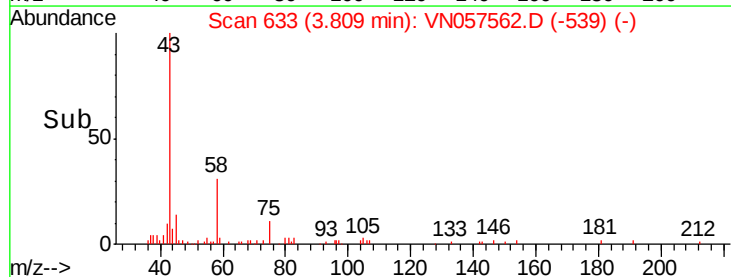
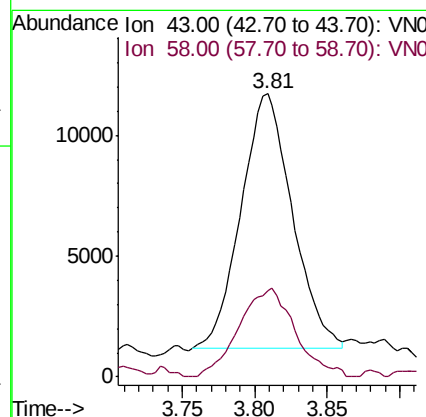
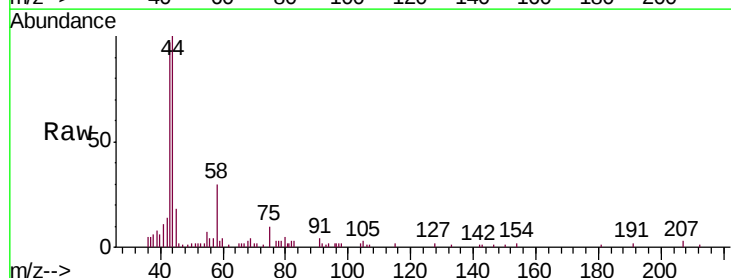
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MSVOA_N
ClientSampled :

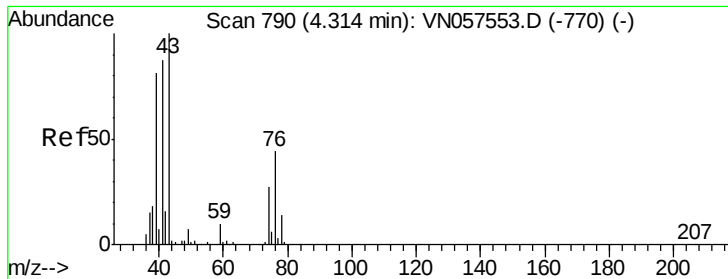
Tot Ion: 56 Resp: 1227
Ion Ratio Lower Upper
56 100
55 46.8 59.0 88.4#



#16
Acetone
Concen: 6.173 ug/l
RT: 3.81 min Scan# 633
Delta R.T. 0.00 min
Lab File: VN057562.D
Acq: 29 Aug 2019 20:52

Tgt Ion: 43 Resp: 26016
Ion Ratio Lower Upper
43 100
58 33.8 22.1 33.1#

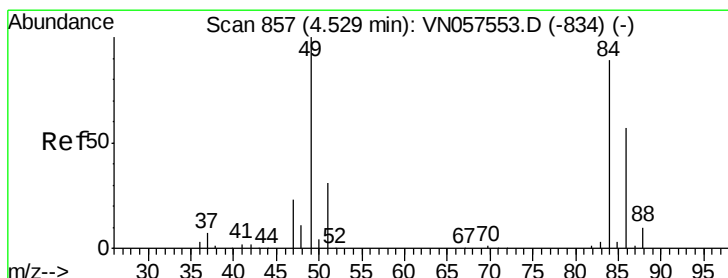
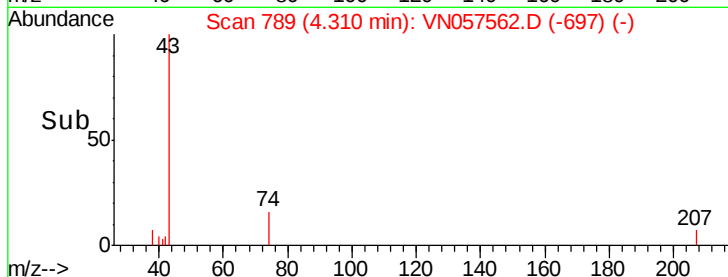
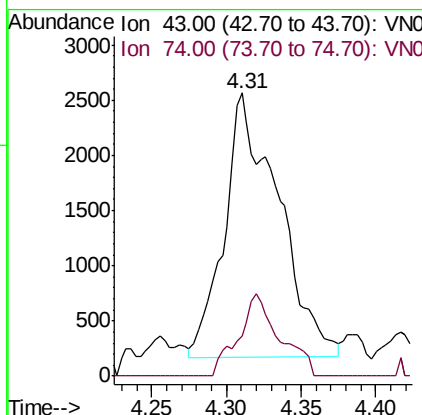
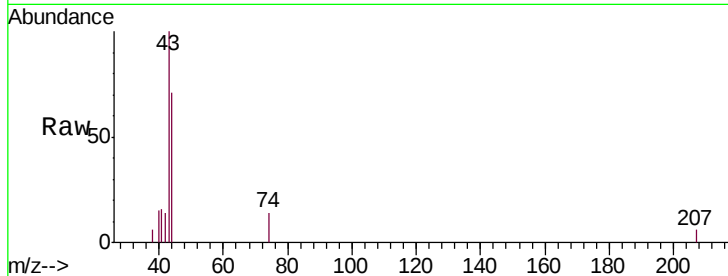




#18
Methyl Acetate
Concen: Below Cal
RT: 4.31 min Scan# 789
Delta R.T. -0.00 min
Lab File: VN057562.D
Acq: 29 Aug 2019 20:52

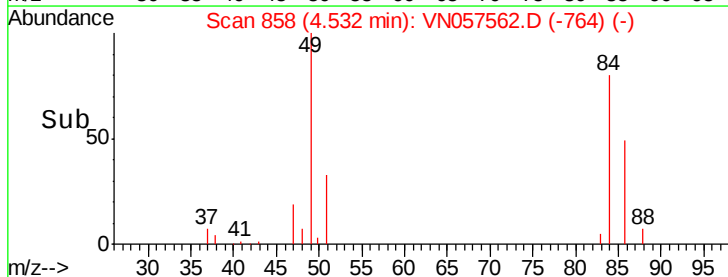
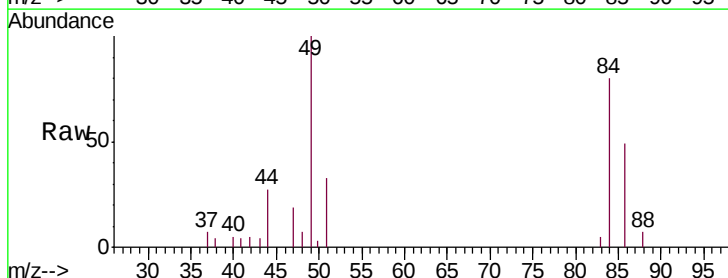
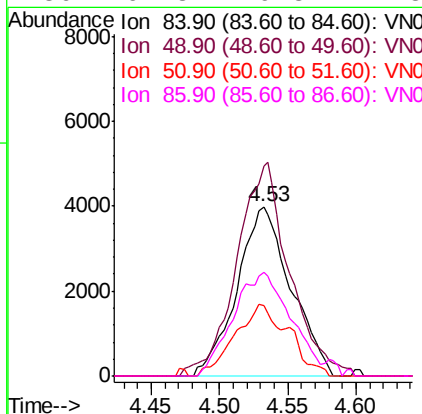
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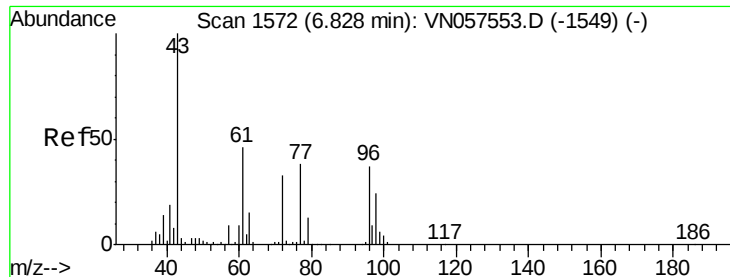
Tot Ion: 43 Resp: 6006
Ion Ratio Lower Upper
43 100
74 23.6 15.9 23.9



#20
Methylene Chloride
Concen: 1.399 ug/l
RT: 4.53 min Scan# 858
Delta R.T. 0.00 min
Lab File: VN057562.D
Acq: 29 Aug 2019 20:52

Tgt Ion: 84 Resp: 10920
Ion Ratio Lower Upper
84 100
49 118.6 117.0 175.4
51 41.6 35.5 53.3
86 61.3 49.8 74.8

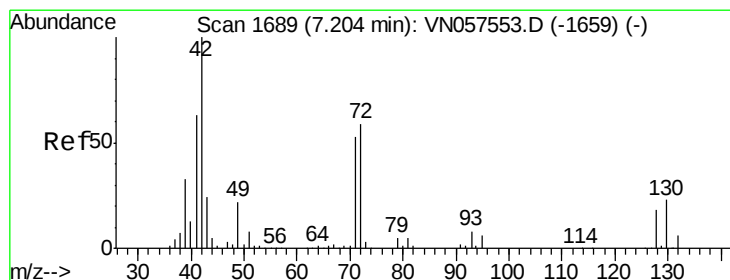
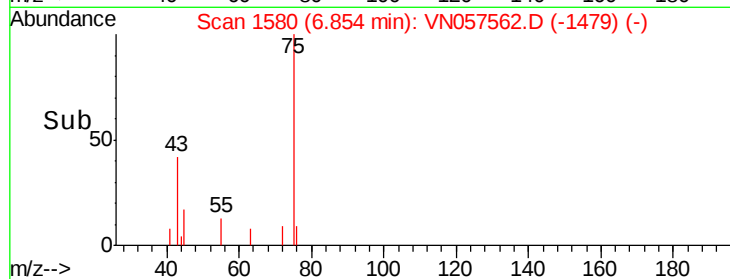
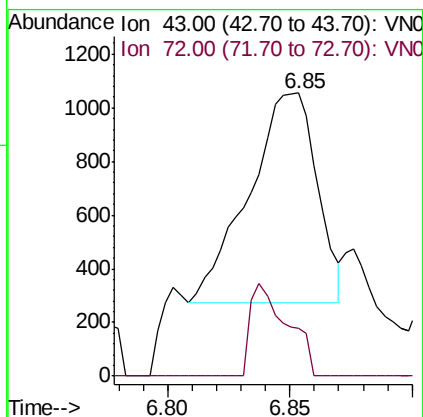
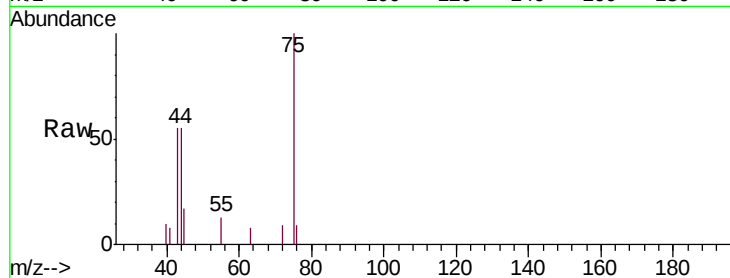




#25
2-Butanone
Concen: 0.456 ug/l
RT: 6.85 min Scan# 1580
Delta R.T. 0.03 min
Lab File: VN057562.D
Acq: 29 Aug 2019 20:52

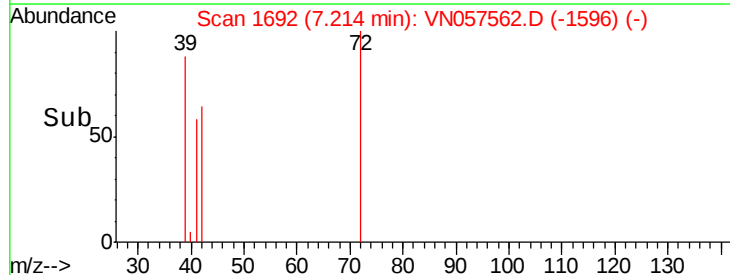
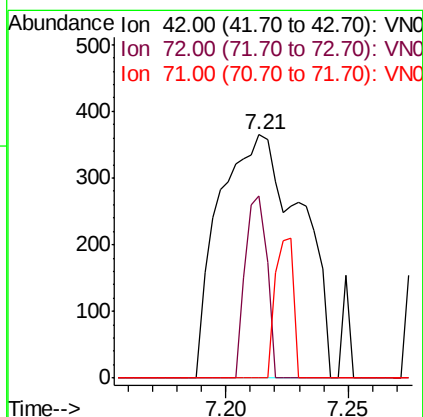
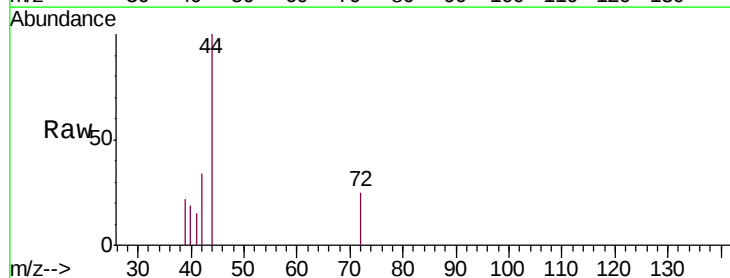
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MSVOA_N
ClientSampled :

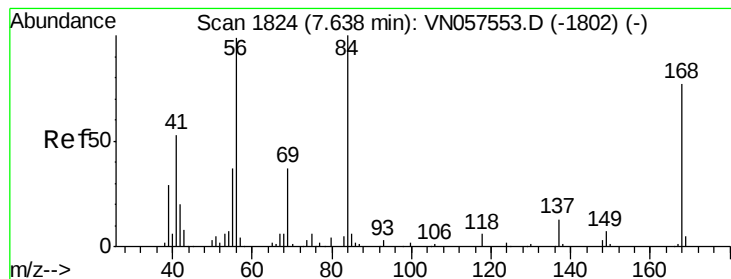
Tot Ion: 43 Resp: 1518
Ion Ratio Lower Upper
43 100
72 22.5 17.8 26.8



#29
Tetrahydrofuran
Concen: 0.407 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.01 min
Lab File: VN057562.D
Acq: 29 Aug 2019 20:52

Tgt Ion: 42 Resp: 847
Ion Ratio Lower Upper
42 100
72 19.6 30.1 45.1#
71 13.0 28.8 43.2#





#31

Cyclohexane

Concen: 1.112 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.02 min

Lab File: VN057562.D

Acq: 29 Aug 2019 20:52

Instrument :

MSVOA_N

ClientSampleId :

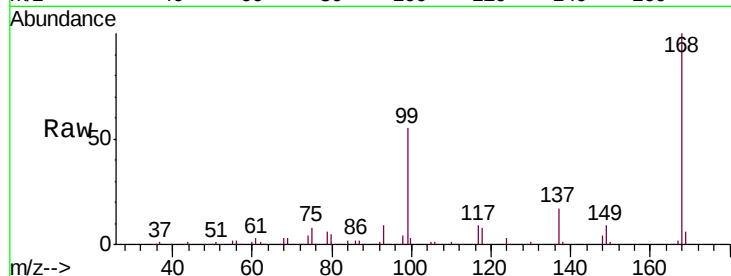
Tot Ion: 56 Resp: 13462

Ion Ratio Lower Upper

56 100

69 150.1 25.0 37.6#

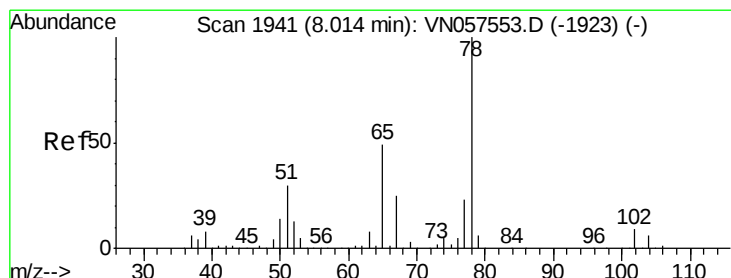
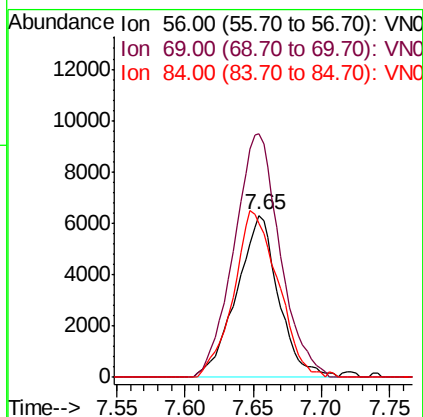
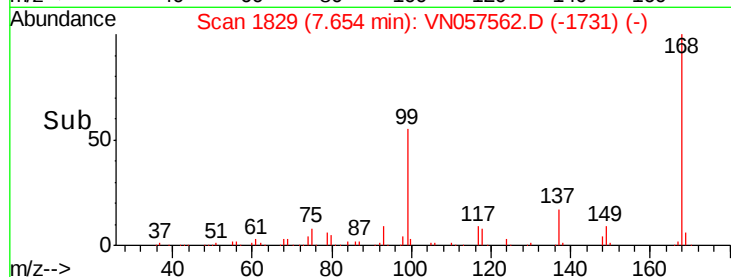
84 94.7 62.5 93.7#



Abundance Ion 56.00 (55.70 to 56.70): VN057553.D (-1802) (-)

Ion 69.00 (68.70 to 69.70): VN057553.D (-1802) (-)

Ion 84.00 (83.70 to 84.70): VN057553.D (-1802) (-)



#33

1,2-Dichloroethane-d4

Concen: 37.334 ug/l

RT: 8.02 min Scan# 1942

Delta R.T. 0.00 min

Lab File: VN057562.D

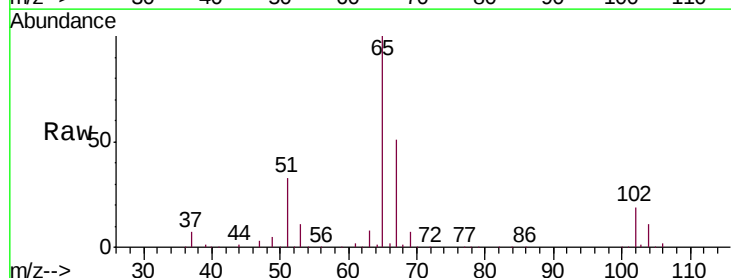
Acq: 29 Aug 2019 20:52

Tgt Ion: 65 Resp: 373970

Ion Ratio Lower Upper

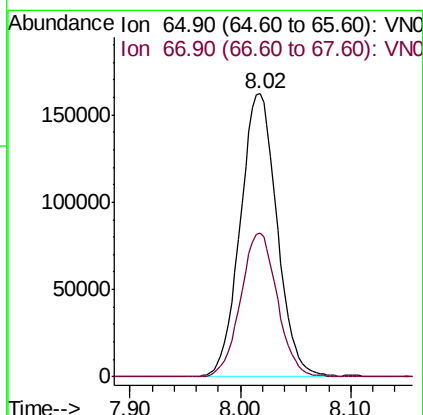
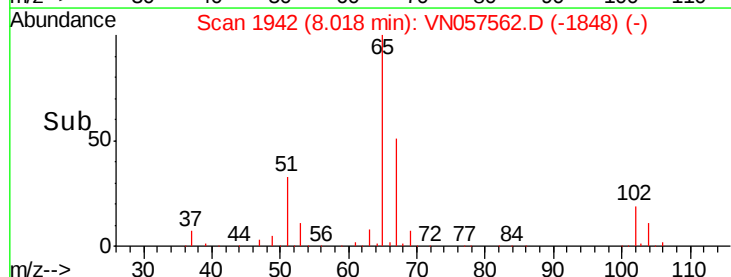
65 100

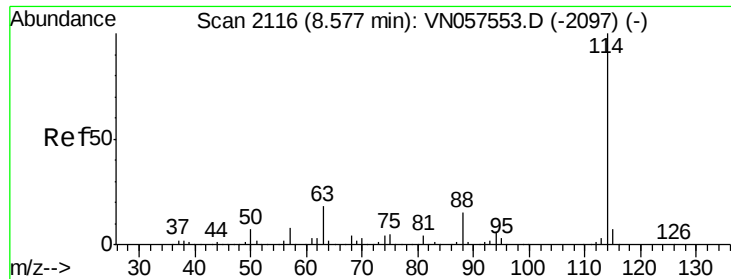
67 50.6 0.0 103.8



Abundance Ion 64.90 (64.60 to 65.60): VN057553.D (-1923) (-)

Ion 66.90 (66.60 to 67.60): VN057553.D (-1923) (-)

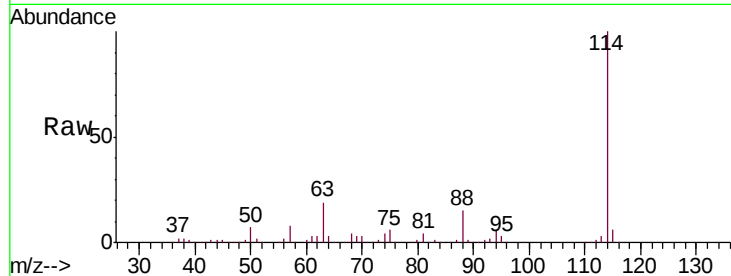




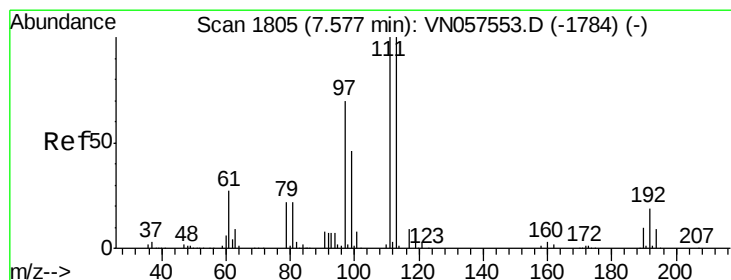
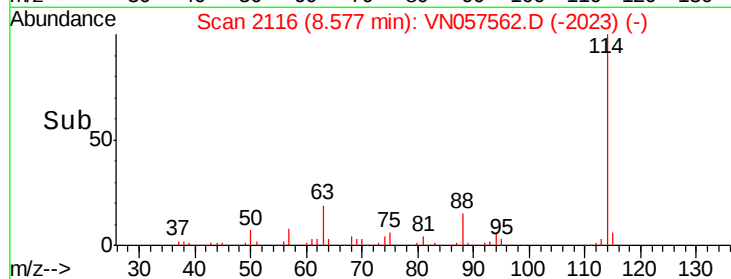
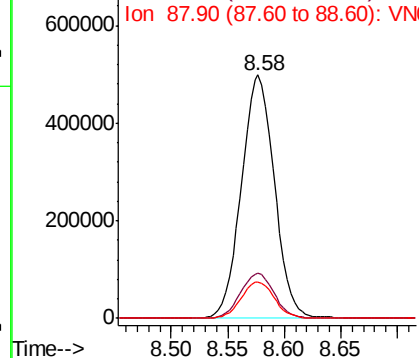
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.58 min Scan# 2116
Delta R.T. -0.00 min
Lab File: VN057562.D
Acq: 29 Aug 2019 20:52

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:114 Resp: 1013423
Ion Ratio Lower Upper
114 100
63 18.6 0.0 50.2
88 14.9 0.0 34.6

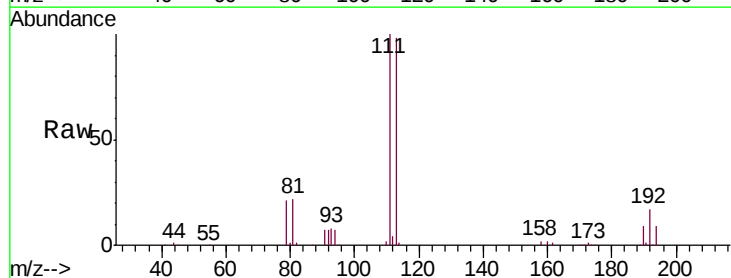


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VN
Ion 87.90 (87.60 to 88.60): VN

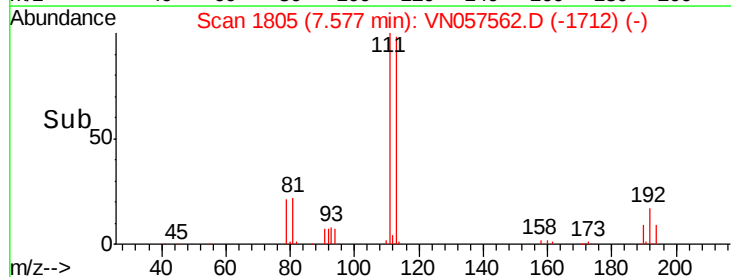
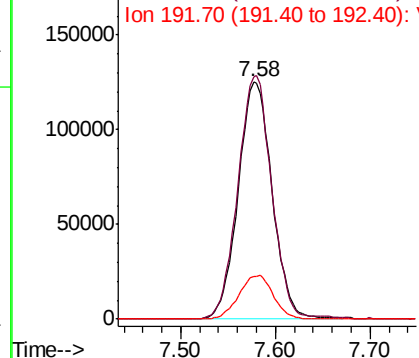


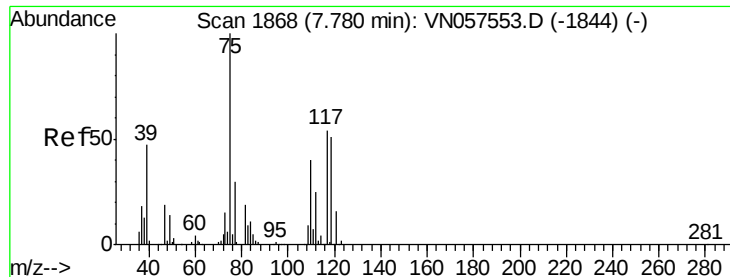
#35
Dibromofluoromethane
Concen: 35.502 ug/l
RT: 7.58 min Scan# 1805
Delta R.T. 0.00 min
Lab File: VN057562.D
Acq: 29 Aug 2019 20:52

Tgt Ion:113 Resp: 312318
Ion Ratio Lower Upper
113 100
111 102.8 83.8 125.6
192 18.9 13.5 20.3



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

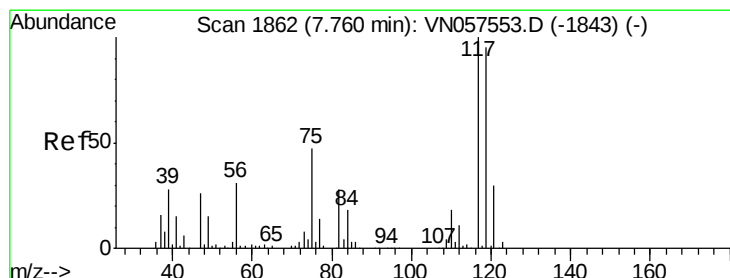
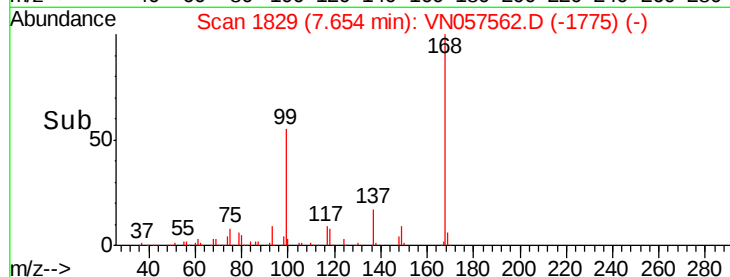
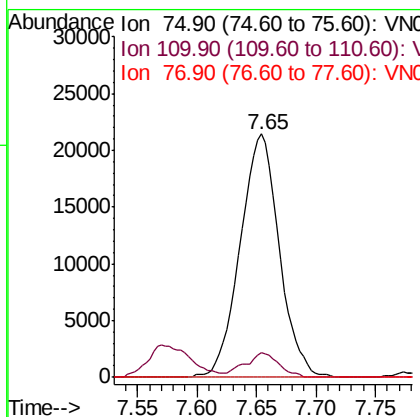
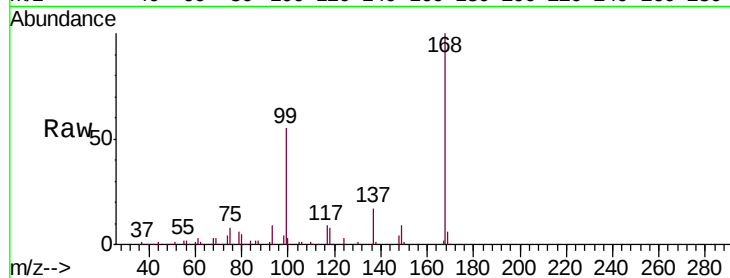




#36
 1,1-Dichloropropene
 Concen: 4.447 ug/l
 RT: 7.65 min Scan# 1829
 Delta R.T. -0.13 min
 Lab File: VN057562.D
 Acq: 29 Aug 2019 20:52

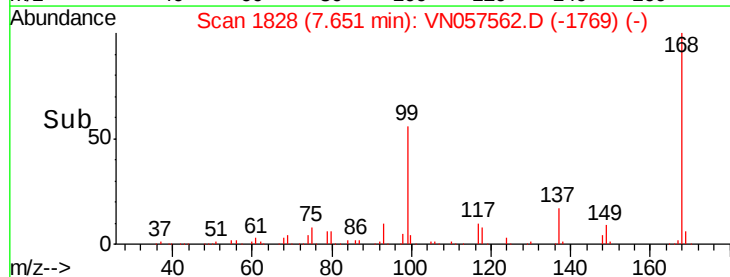
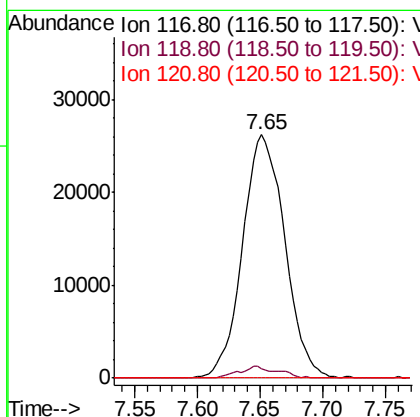
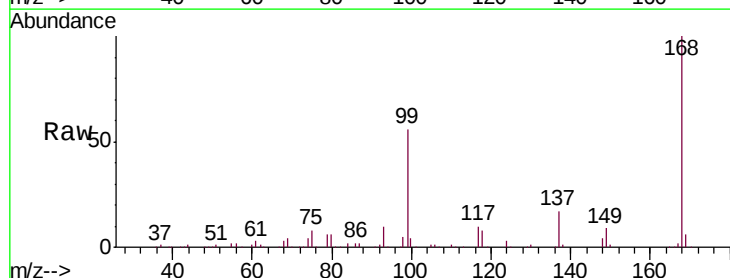
Instrument :
 MSVOA_N
 ClientSampled :

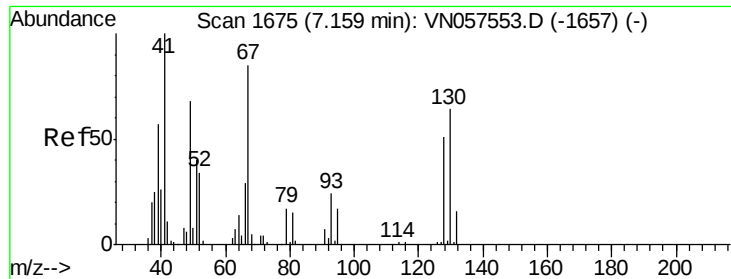
Tot Ion	75	Resp	48750
Ion Ratio	100	Lower	Upper
75	100		
110	8.8	16.1	48.3#
77	0.0	24.8	37.2#



#38
 Carbon Tetrachloride
 Concen: 4.784 ug/l
 RT: 7.65 min Scan# 1828
 Delta R.T. -0.11 min
 Lab File: VN057562.D
 Acq: 29 Aug 2019 20:52

Tgt Ion	117	Resp	61332
Ion Ratio <td>100</td> <td>Lower</td> <td>Upper</td>	100	Lower	Upper
117	100		
119	4.1	76.2	114.4#
121	0.0	23.8	35.6#

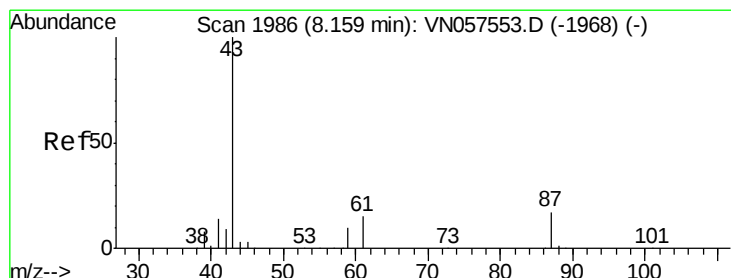
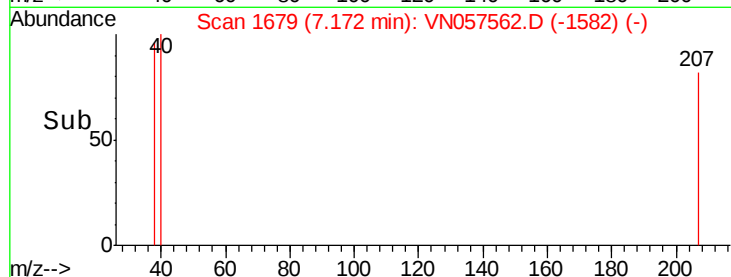
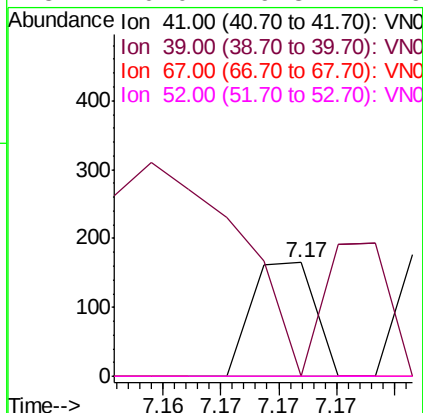
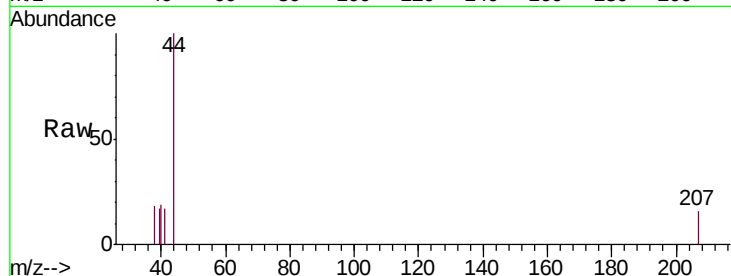




#41
Methacrylonitrile
Concen: 1.285 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. 0.01 min
Lab File: VN057562.D
Acq: 29 Aug 2019 20:52

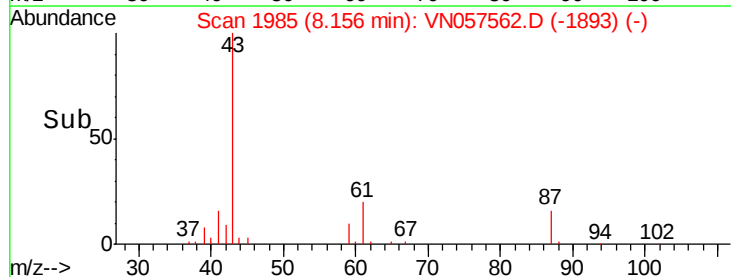
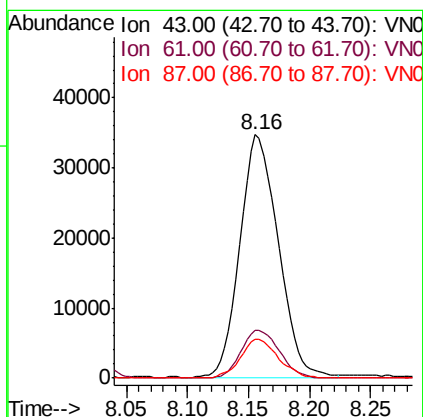
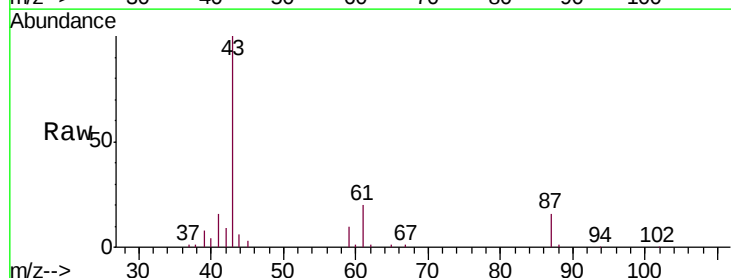
Instrument :
MSVOA_N
ClientSampled :

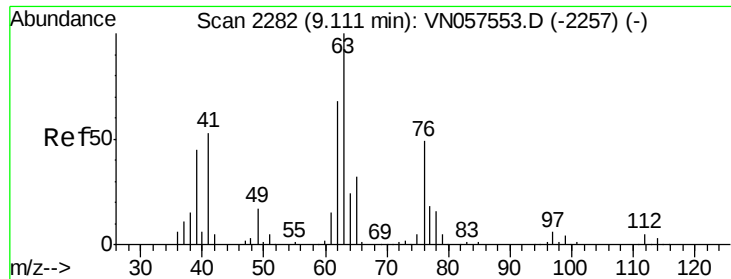
Tot Ion: 41 Resp: 63
Ion Ratio Lower Upper
41 100
39 117.5 53.6 80.4#
67 0.0 65.4 98.2#
52 0.0 29.8 44.6#



#43
Isopropyl Acetate
Concen: 5.614 ug/l
RT: 8.16 min Scan# 1985
Delta R.T. -0.00 min
Lab File: VN057562.D
Acq: 29 Aug 2019 20:52

Tgt Ion: 43 Resp: 76116
Ion Ratio Lower Upper
43 100
61 19.3 14.5 21.7
87 15.5 8.6 12.8#

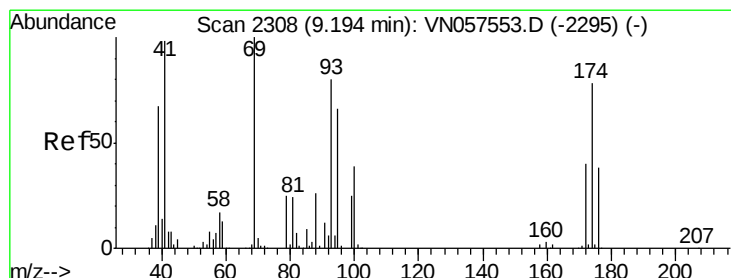
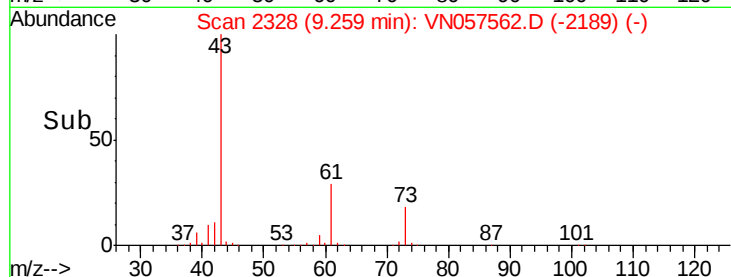
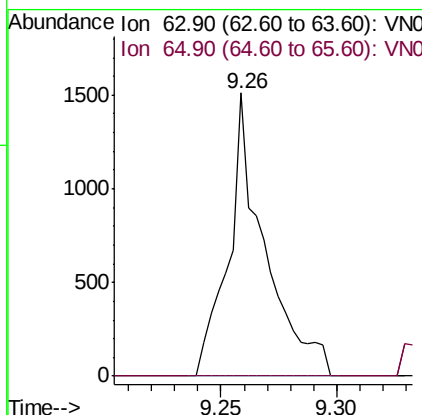
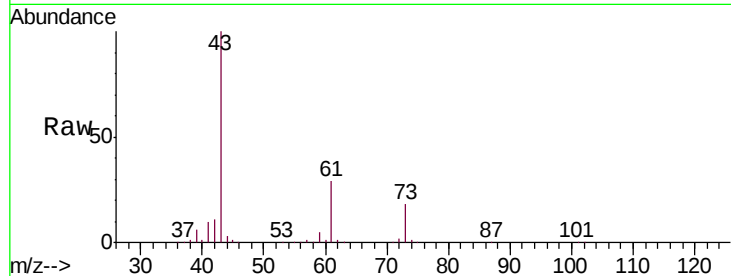




#45
 1,2-Dichloropropane
 Concen: 0.208 ug/l
 RT: 9.26 min Scan# 2328
 Delta R.T. 0.15 min
 Lab File: VN057562.D
 Acq: 29 Aug 2019 20:52

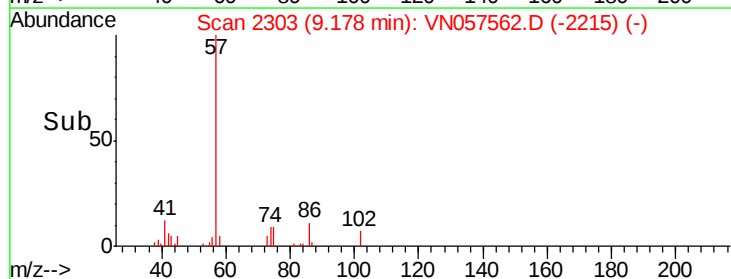
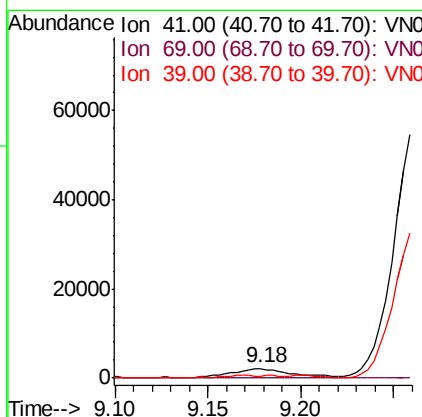
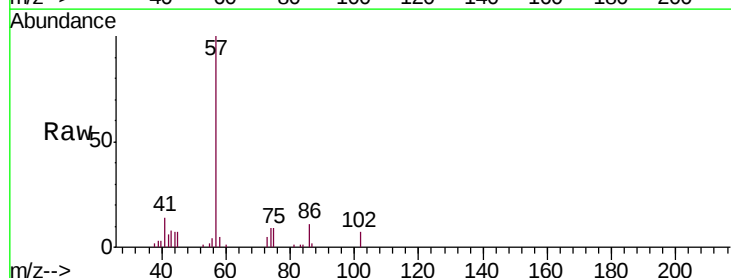
Instrument :
 MSVOA_N
 ClientSampled :

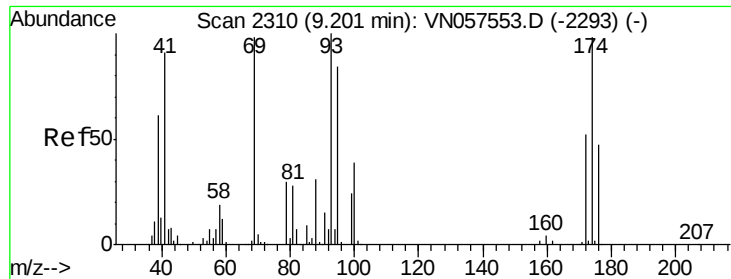
Tot Ion: 63 Resp: 1633
 Ion Ratio Lower Upper
 63 100
 65 0.0 24.7 37.1#



#48
 Methyl methacrylate
 Concen: 0.755 ug/l
 RT: 9.18 min Scan# 2303
 Delta R.T. -0.02 min
 Lab File: VN057562.D
 Acq: 29 Aug 2019 20:52

Tgt Ion: 41 Resp: 4833
 Ion Ratio Lower Upper
 41 100
 69 1.3 59.3 88.9#
 39 0.0 50.6 75.8#





#49

1,4-Dioxane

Concen: 0.616 ug/l

RT: 9.27 min Scan# 2333

Delta R.T. 0.07 min

Lab File: VN057562.D

Acq: 29 Aug 2019 20:52

Instrument :

MSVOA_N

ClientSampleId :

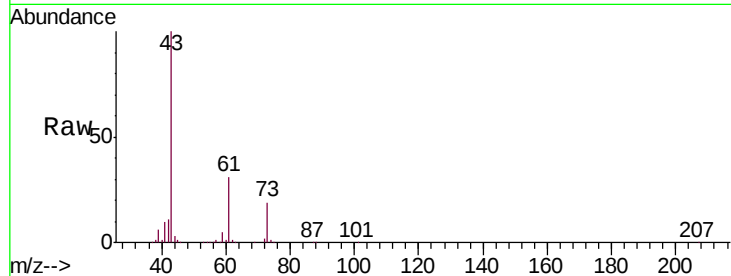
Tot Ion: 88 Resp: 72

Ion Ratio Lower Upper

88 100

43 1567306.9 31.0 46.6#

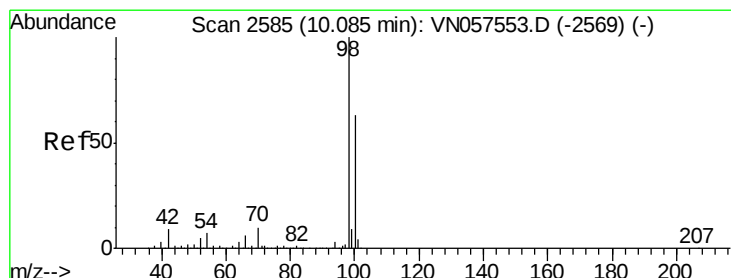
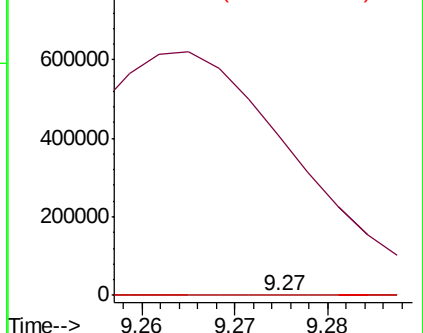
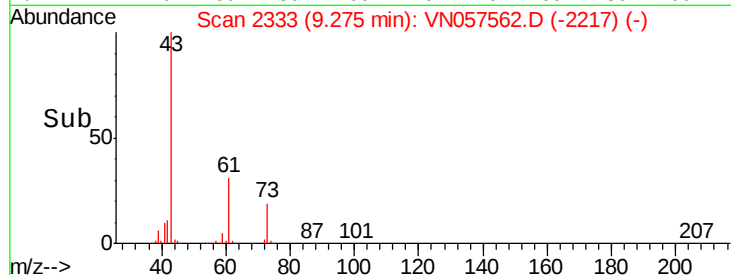
58 6961.1 64.5 96.7#



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: 38.227 ug/l

RT: 10.08 min Scan# 2585

Delta R.T. -0.00 min

Lab File: VN057562.D

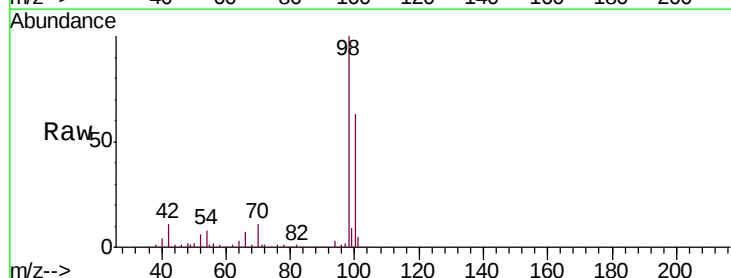
Acq: 29 Aug 2019 20:52

Tgt Ion: 98 Resp: 1229067

Ion Ratio Lower Upper

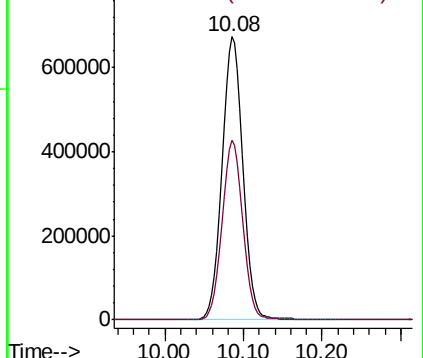
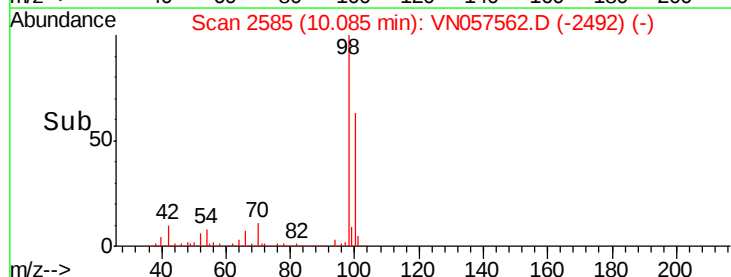
98 100

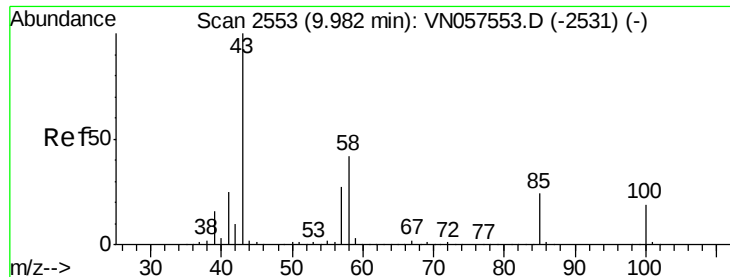
100 62.9 50.4 75.6



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: 0.972 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN057562.D

Acq: 29 Aug 2019 20:52

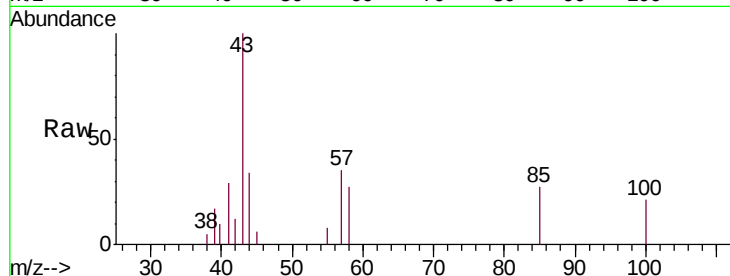
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 7043

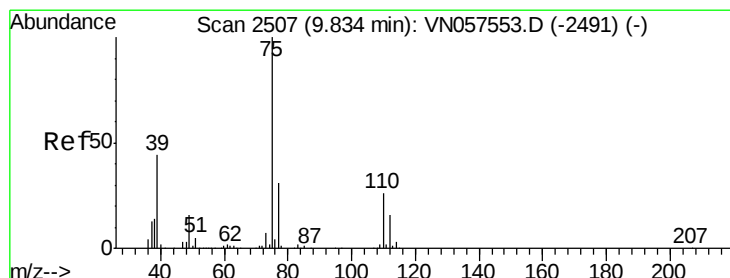
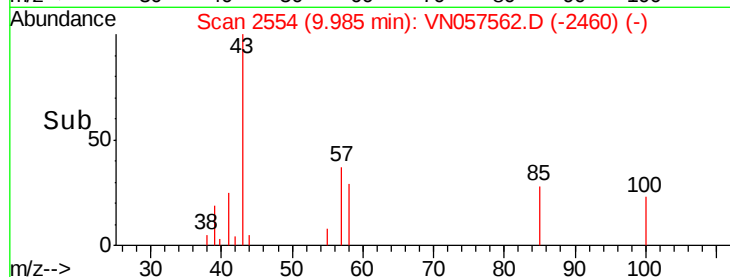
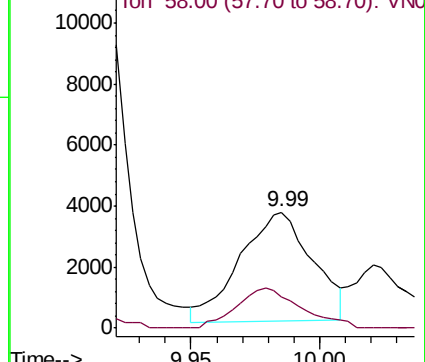
Ion Ratio Lower Upper

43 100

58 32.9 27.9 41.9



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



#54

cis-1,3-Dichloropropene

Concen: 2.932 ug/l

RT: 9.90 min Scan# 2528

Delta R.T. 0.07 min

Lab File: VN057562.D

Acq: 29 Aug 2019 20:52

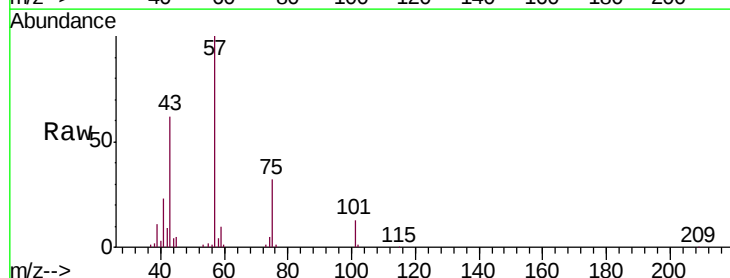
Tgt Ion: 75 Resp: 38927

Ion Ratio Lower Upper

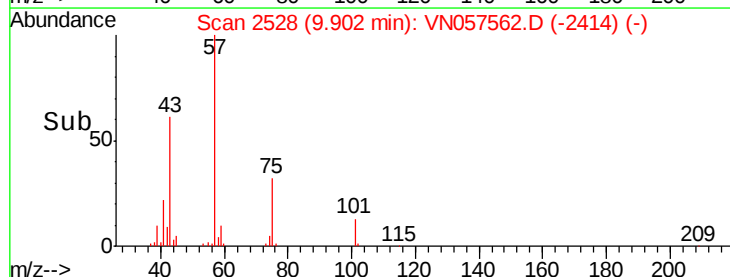
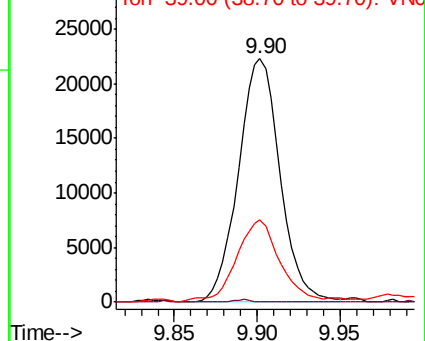
75 100

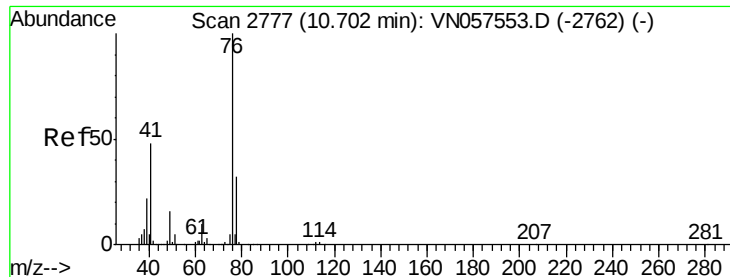
77 0.0 25.0 37.6#

39 32.3 49.2 73.8#



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

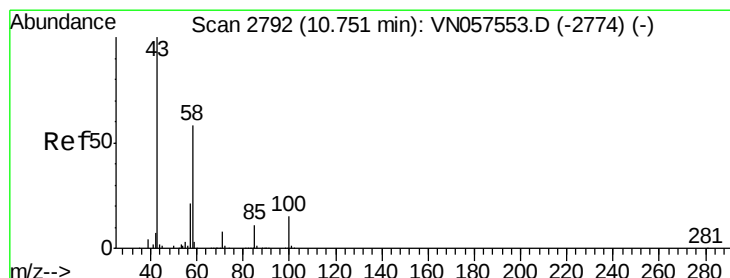
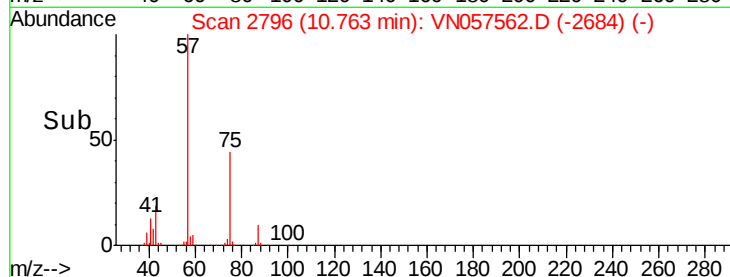
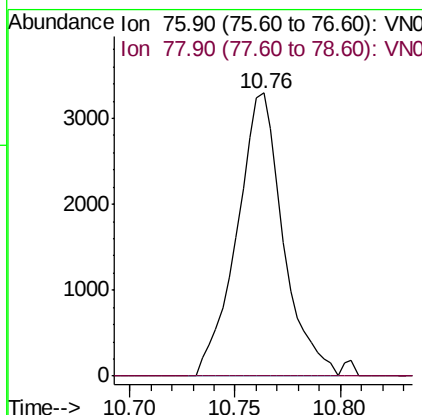
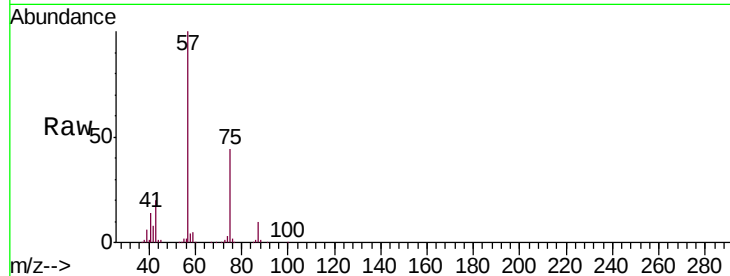




#57
 1,3-Dichloropropane
 Concen: 0.376 ug/l
 RT: 10.76 min Scan# 2796
 Delta R.T. 0.06 min
 Lab File: VN057562.D
 Acq: 29 Aug 2019 20:52

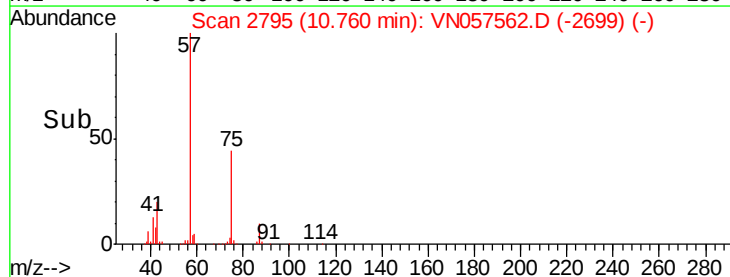
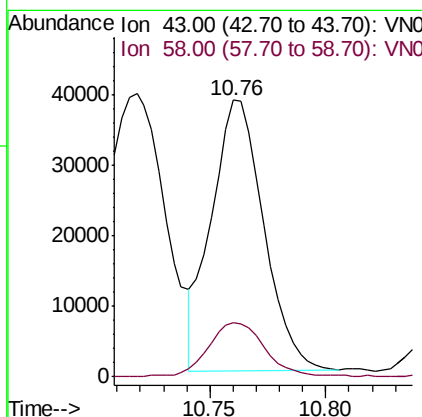
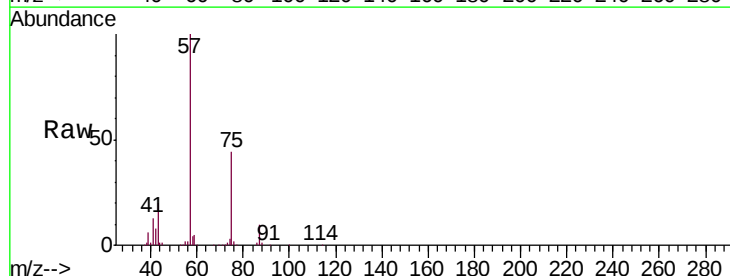
Instrument :
 MSVOA_N
 ClientSampleId :

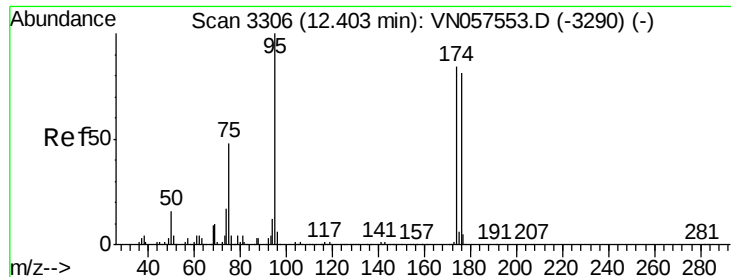
Tot Ion: 76 Resp: 5020
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.5 38.3#



#59
 2-Hexanone
 Concen: 11.994 ug/l
 RT: 10.76 min Scan# 2795
 Delta R.T. 0.01 min
 Lab File: VN057562.D
 Acq: 29 Aug 2019 20:52

Tgt Ion: 43 Resp: 60000
 Ion Ratio Lower Upper
 43 100
 58 22.1 24.6 73.6#





#62

4-Bromofluorobenzene

Concen: 30.837 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.00 min

Lab File: VN057562.D

Acq: 29 Aug 2019 20:52

Instrument :

MSVOA_N

ClientSampled :

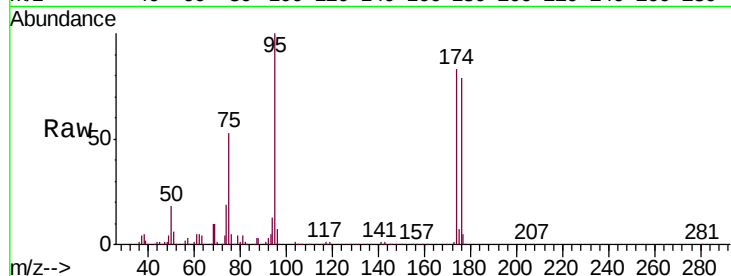
Tot Ion: 95 Resp: 335490

Ion Ratio Lower Upper

95 100

174 81.7 0.0 133.0

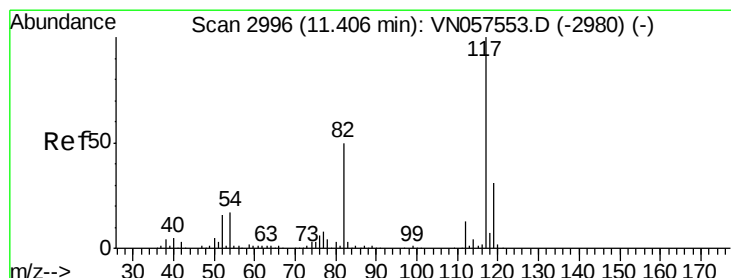
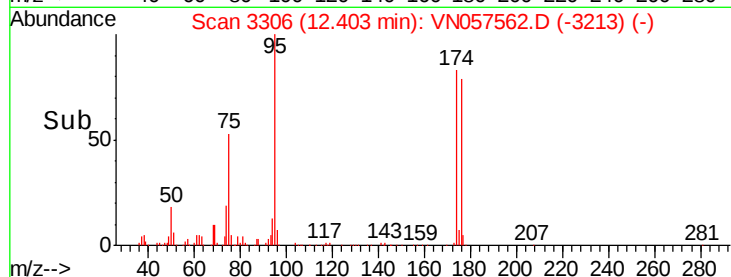
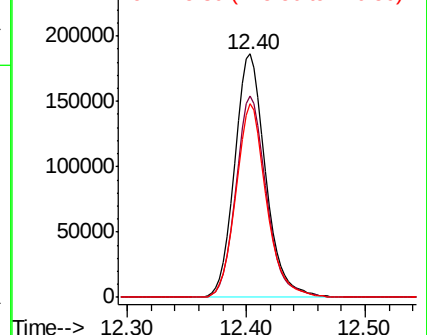
176 78.2 0.0 130.8



Abundance Ion 94.90 (94.60 to 95.60): VN057553.D (-3290) (-)

Ion 173.80 (173.50 to 174.50): VN057553.D (-3290) (-)

Ion 175.80 (175.50 to 176.50): VN057553.D (-3290) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. -0.00 min

Lab File: VN057562.D

Acq: 29 Aug 2019 20:52

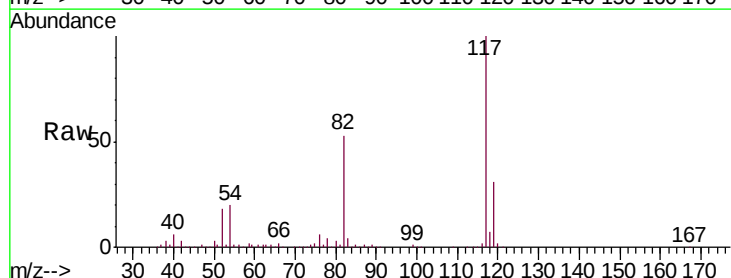
Tgt Ion: 117 Resp: 860234

Ion Ratio Lower Upper

117 100

82 53.3 50.6 75.8

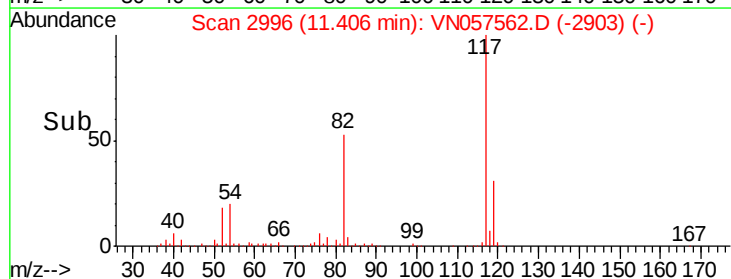
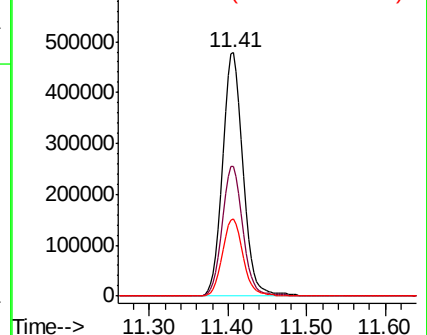
119 31.5 24.6 36.8

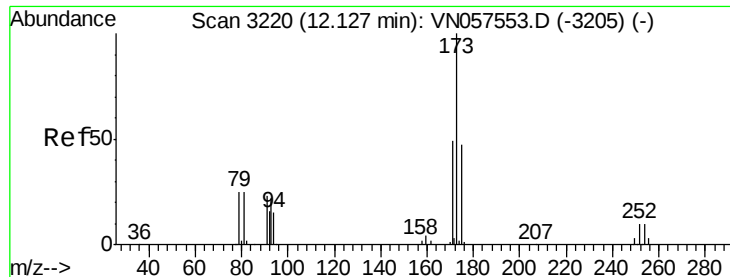


Abundance Ion 116.90 (116.60 to 117.60): VN057553.D (-2980) (-)

Ion 82.00 (81.70 to 82.70): VN057553.D (-2980) (-)

Ion 118.90 (118.60 to 119.60): VN057553.D (-2980) (-)





#71

Bromoform

Concen: 0.481 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.28 min

Lab File: VN057562.D

Acq: 29 Aug 2019 20:52

Instrument :

MSVOA_N

ClientSampleId :

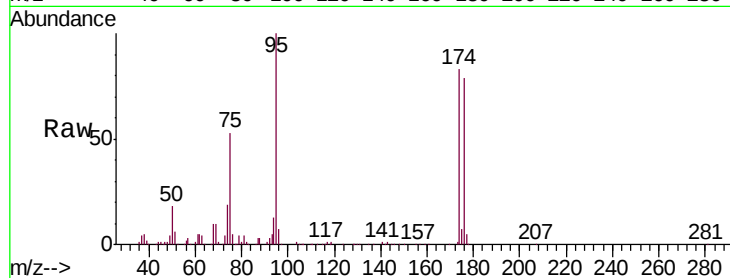
Tot Ion:173 Resp: 2733

Ion Ratio Lower Upper

173 100

175 613.4 23.9 71.8#

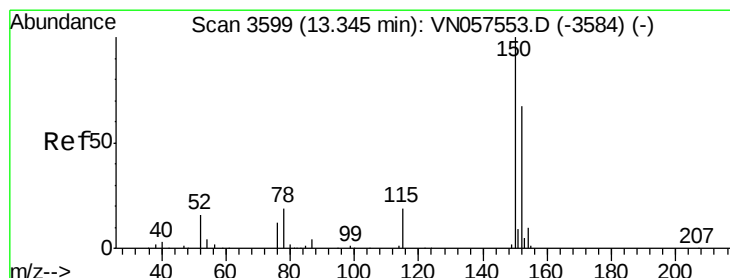
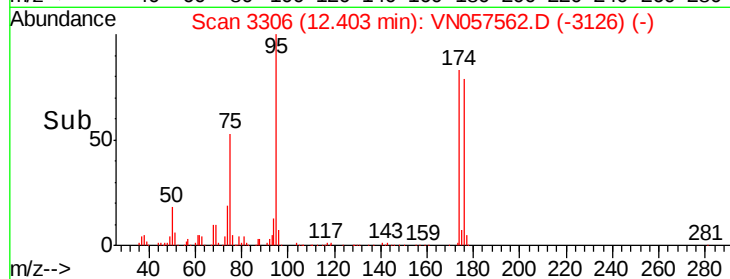
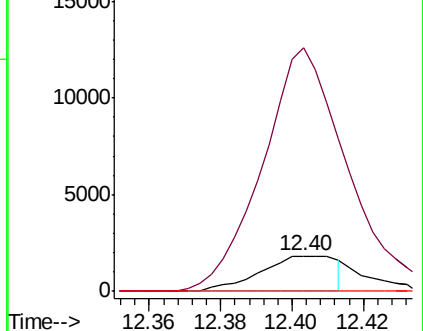
254 0.0 0.1 0.1#



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: VN057562.D

Acq: 29 Aug 2019 20:52

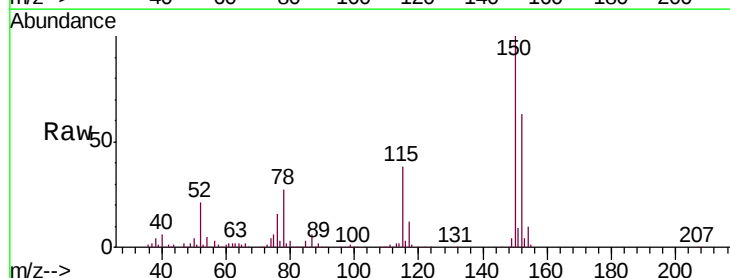
Tgt Ion:152 Resp: 231524

Ion Ratio Lower Upper

152 100

115 61.3 32.0 96.0

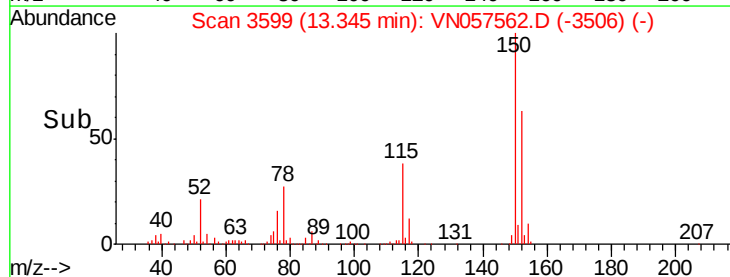
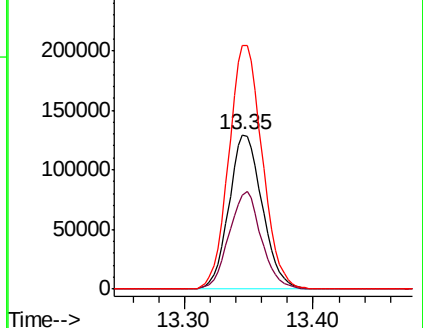
150 158.9 0.0 346.6

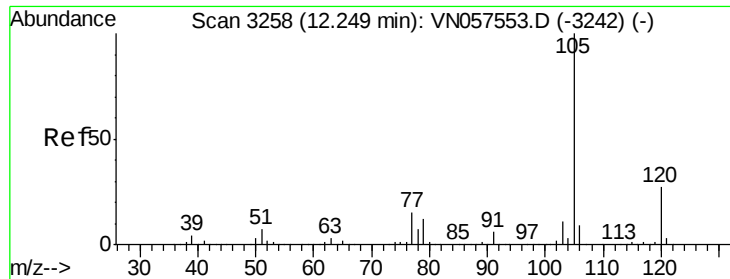


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: Below Cal

RT: 12.26 min Scan# 3260

Delta R.T. 0.01 min

Lab File: VN057562.D

Acq: 29 Aug 2019 20:52

Instrument :

MSVOA_N

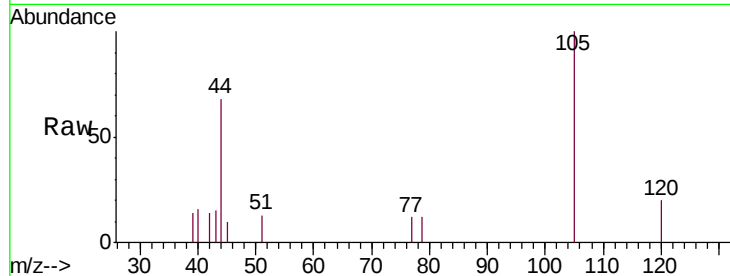
ClientSampleId :

Tot Ion: 105 Resp: 2510

Ion Ratio Lower Upper

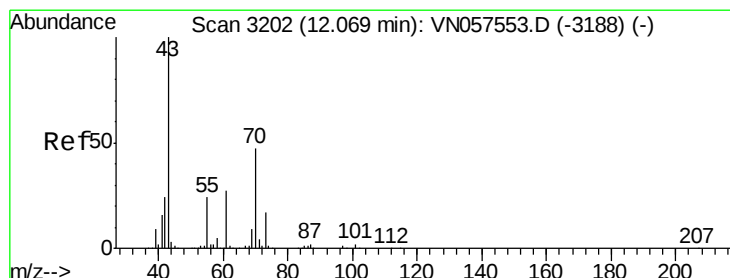
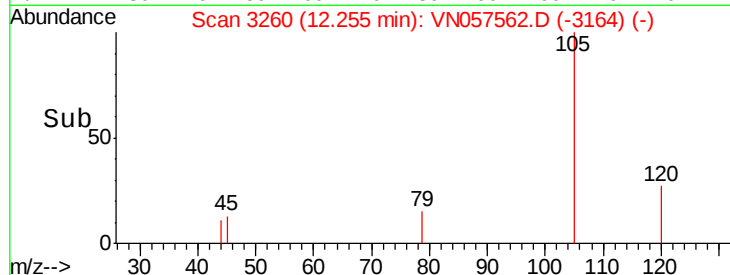
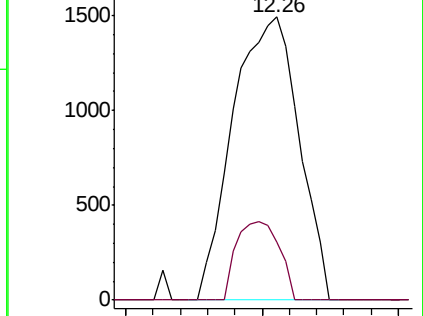
105 100

120 18.0 12.7 38.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: Below Cal

RT: 12.03 min Scan# 3191

Delta R.T. -0.03 min

Lab File: VN057562.D

Acq: 29 Aug 2019 20:52

Tgt Ion: 43 Resp: 1309

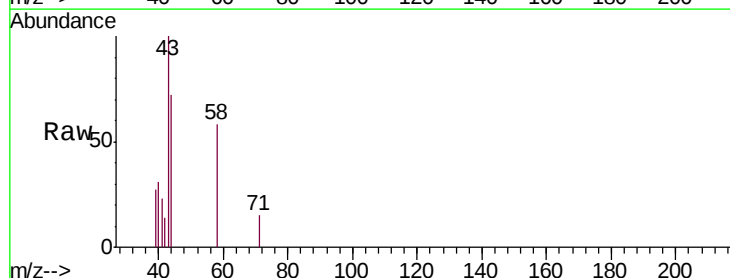
Ion Ratio Lower Upper

43 100

70 0.0 27.8 41.6#

55 0.0 17.0 25.4#

61 0.0 17.0 25.6#

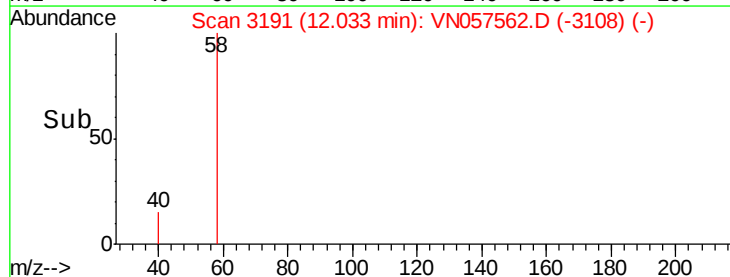
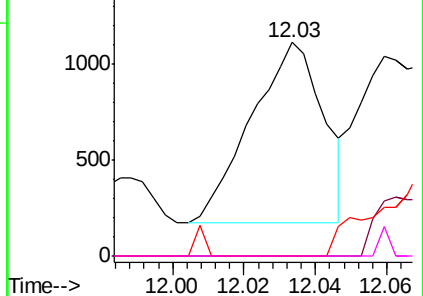


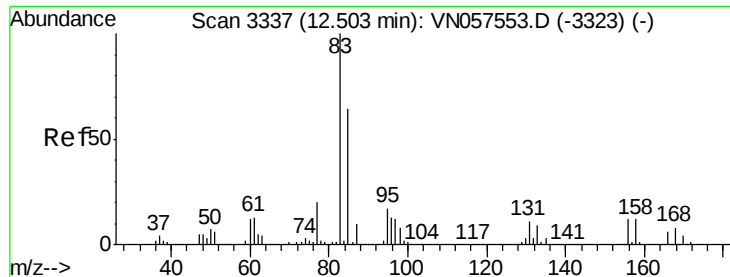
Abundance Ion 43.00 (42.70 to 43.70): V

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





#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.50 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VN057562.D

Acq: 29 Aug 2019 20:52

Instrument :

MSVOA_N

ClientSampled :

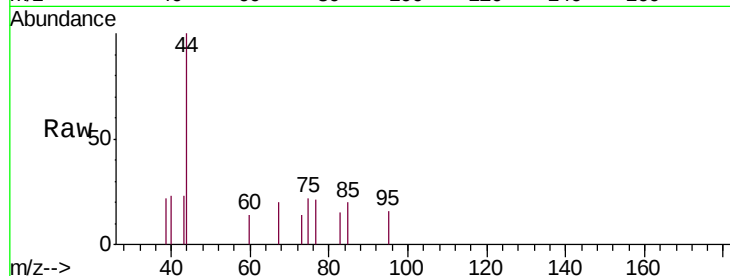
Tot Ion: 83 Resp: 91

Ion Ratio Lower Upper

83 100

131 0.0 4.3 13.1#

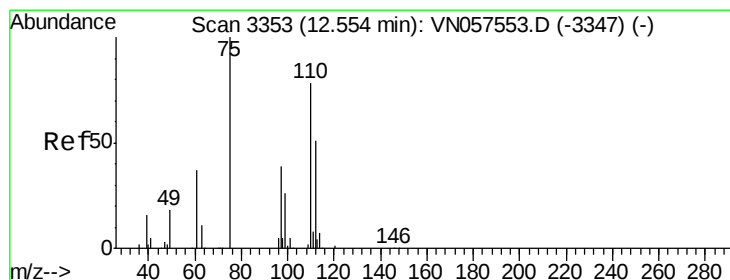
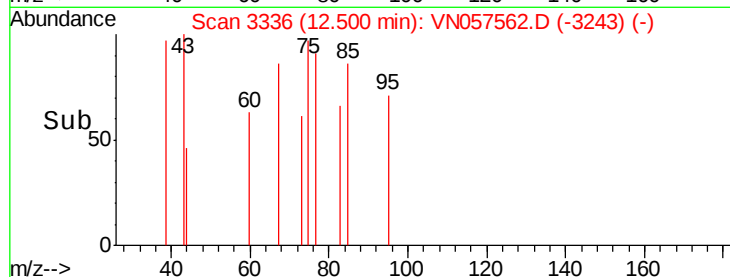
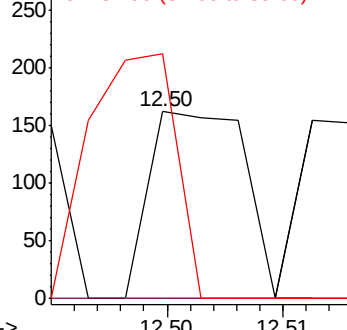
85 120.9 32.3 96.8#



Abundance Ion 82.90 (82.60 to 83.60): VNO

Ion 130.80 (130.50 to 131.50): VNO

Ion 84.90 (84.60 to 85.60): VNO



#76

1,2,3-Trichloropropane

Concen: 41.156 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN057562.D

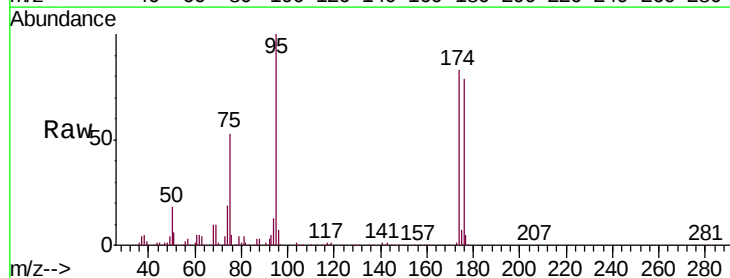
Acq: 29 Aug 2019 20:52

Tgt Ion: 75 Resp: 177750

Ion Ratio Lower Upper

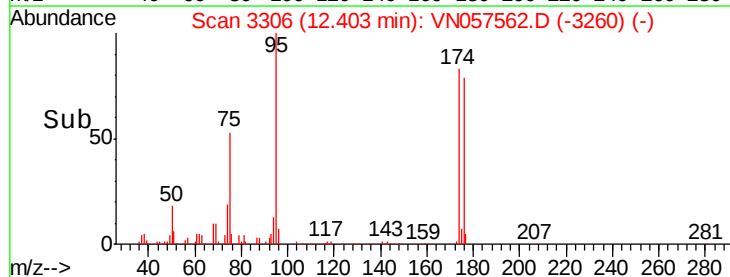
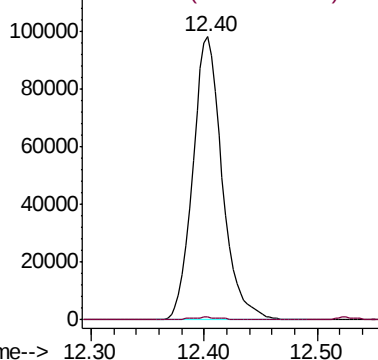
75 100

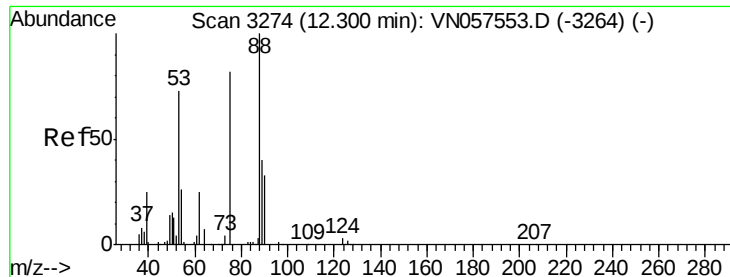
77 0.9 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 77.00 (76.70 to 77.70): VNO





#81

trans-1,4-Dichloro-2-butene

Concen: 115.441 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN057562.D

Acq: 29 Aug 2019 20:52

Instrument :

MSVOA_N

ClientSampled :

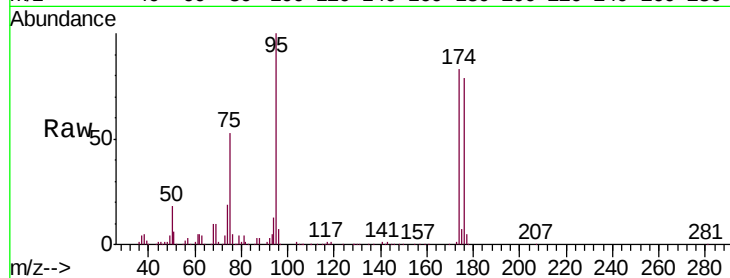
Tot Ion: 75 Resp: 177750

Ion Ratio Lower Upper

75 100

53 0.0 82.7 124.1#

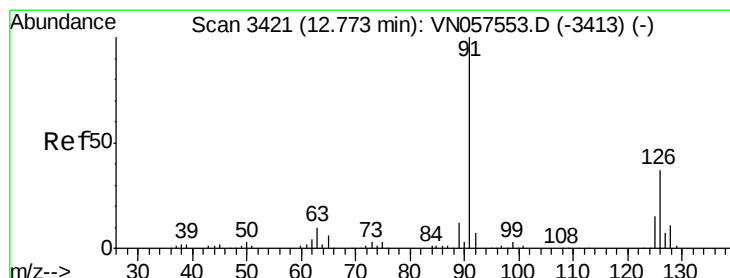
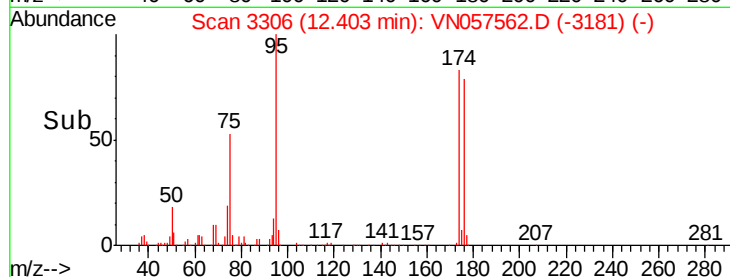
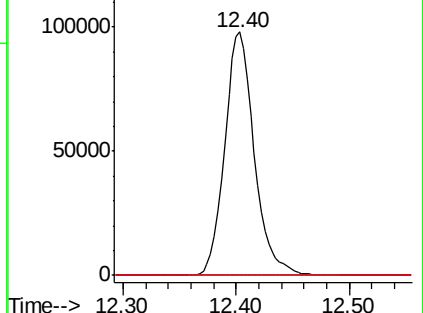
89 0.0 35.8 53.8#



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: 0.200 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. -0.10 min

Lab File: VN057562.D

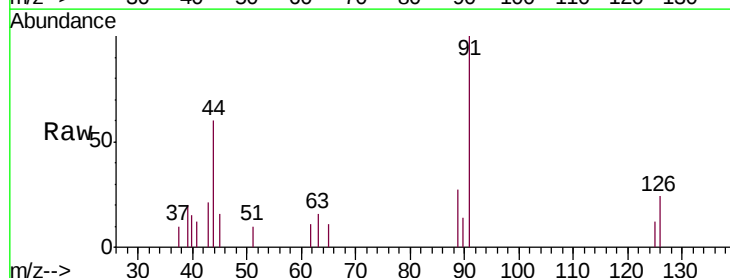
Acq: 29 Aug 2019 20:52

Tgt Ion: 91 Resp: 2836

Ion Ratio Lower Upper

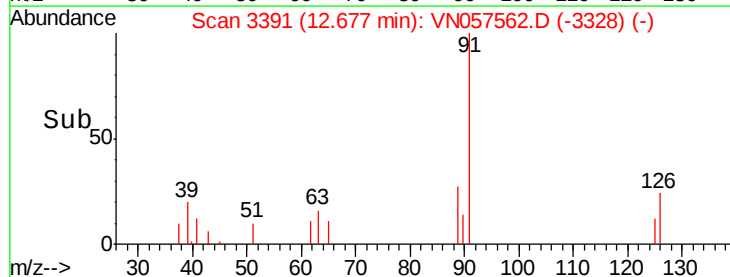
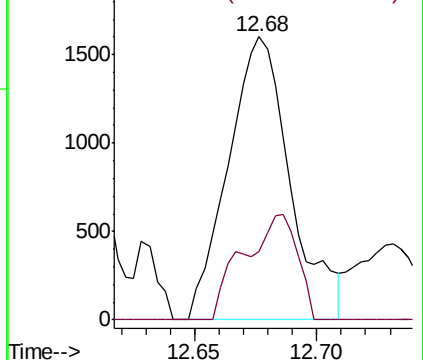
91 100

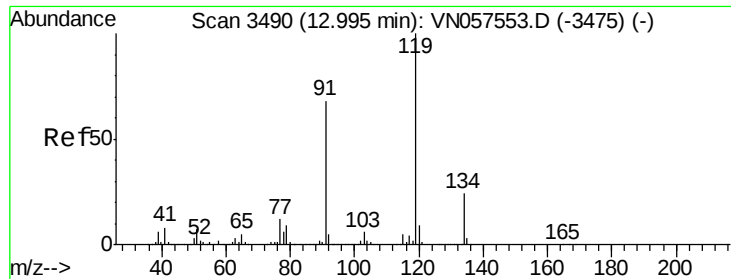
126 32.4 15.0 45.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: Below Cal

RT: 13.00 min Scan# 3492

Delta R.T. 0.01 min

Lab File: VN057562.D

Acq: 29 Aug 2019 20:52

Instrument :

MSVOA_N

ClientSampleId :

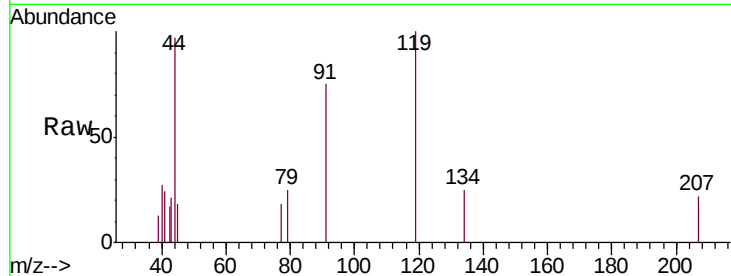
Tot Ion:119 Resp: 2129

Ion Ratio Lower Upper

119 100

91 80.3 37.0 111.0

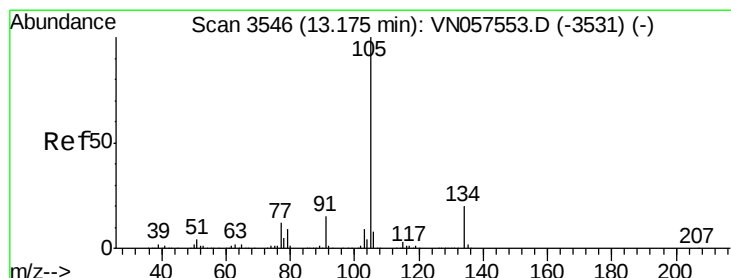
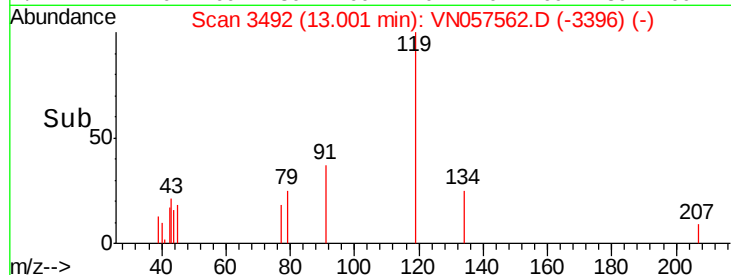
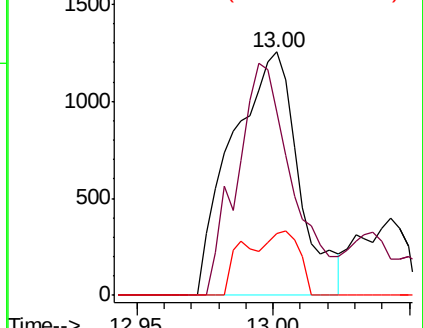
134 12.7 12.2 36.6



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VN

Ion 134.00 (133.70 to 134.70): V



#85

sec-Butylbenzene

Concen: 0.210 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. 0.00 min

Lab File: VN057562.D

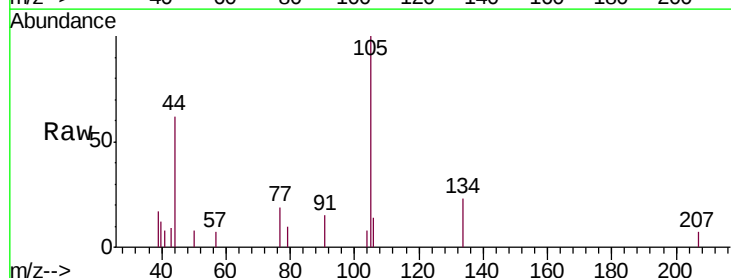
Acq: 29 Aug 2019 20:52

Tgt Ion:105 Resp: 4465

Ion Ratio Lower Upper

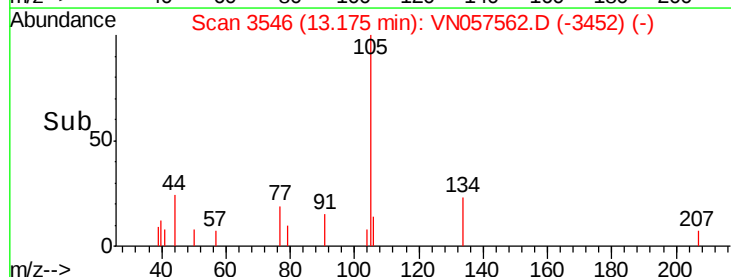
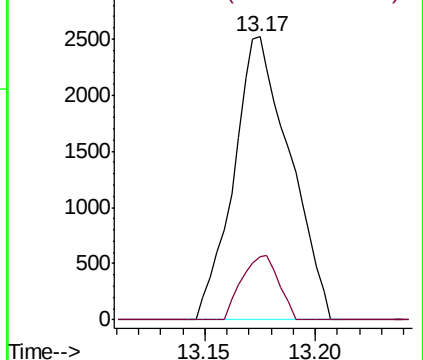
105 100

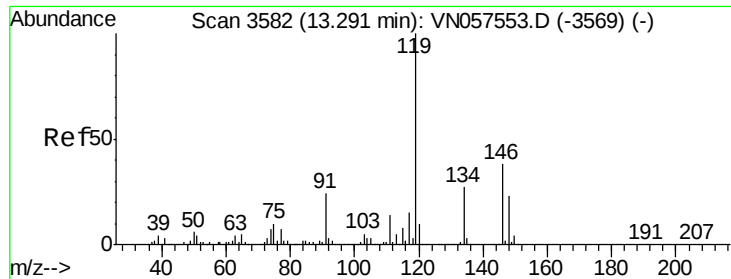
134 15.0 9.3 27.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

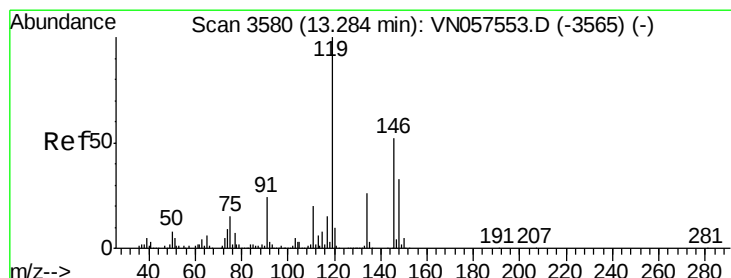
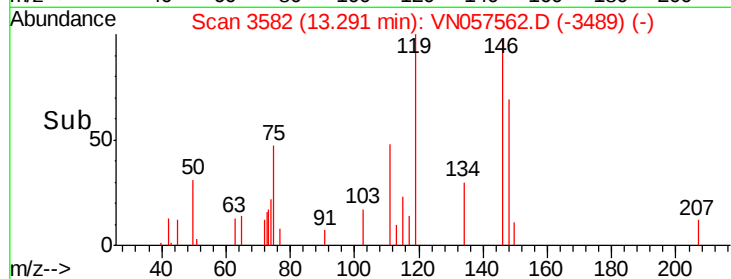
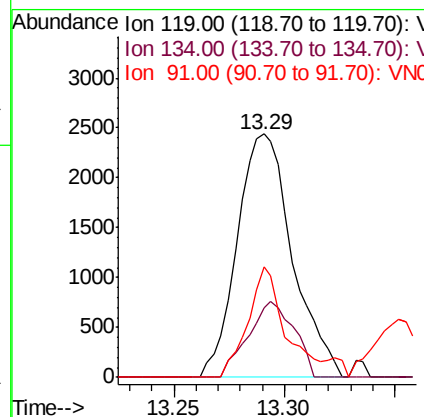
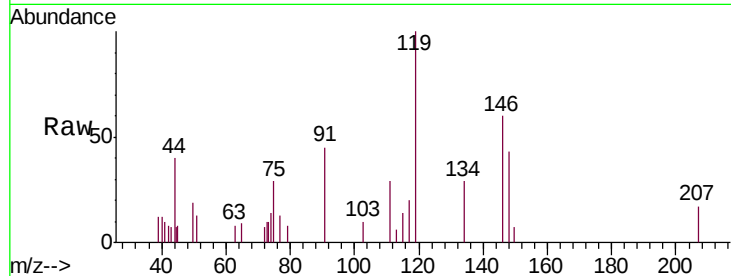




#86
p-Isopropyltoluene
Concen: 0.231 ug/l
RT: 13.29 min Scan# 3582
Delta R.T. 0.00 min
Lab File: VN057562.D
Acq: 29 Aug 2019 20:52

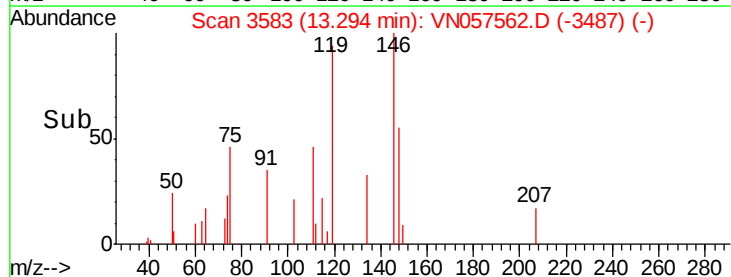
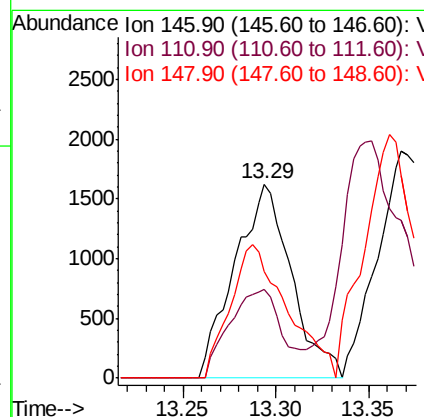
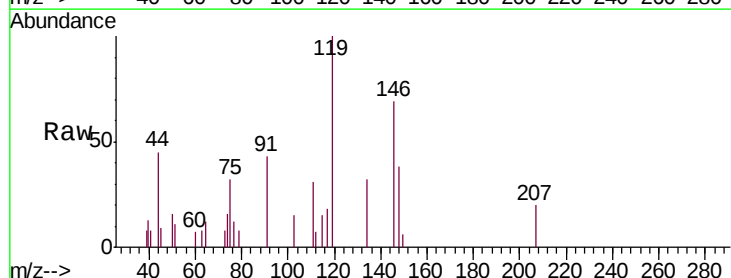
Instrument :
MSVOA_N
ClientSampled :

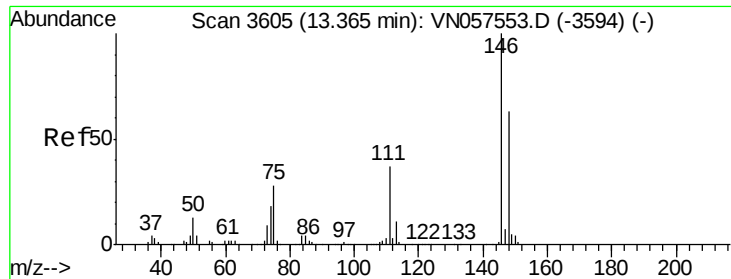
Tot Ion:119 Resp: 4233
Ion Ratio Lower Upper
119 100
134 25.9 12.7 38.1
91 30.8 13.9 41.6



#87
1,3-Dichlorobenzene
Concen: 0.416 ug/l
RT: 13.29 min Scan# 3583
Delta R.T. 0.01 min
Lab File: VN057562.D
Acq: 29 Aug 2019 20:52

Tgt Ion:146 Resp: 3450
Ion Ratio Lower Upper
146 100
111 42.2 22.1 66.1
148 69.1 31.9 95.9





#88

1,4-Dichlorobenzene

Concen: 0.434 ug/l

RT: 13.29 min Scan# 3583

Delta R.T. -0.07 min

Lab File: VN057562.D

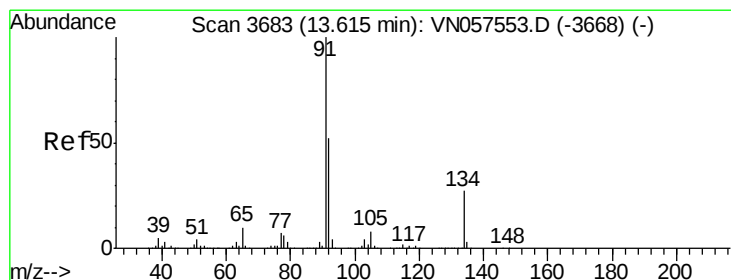
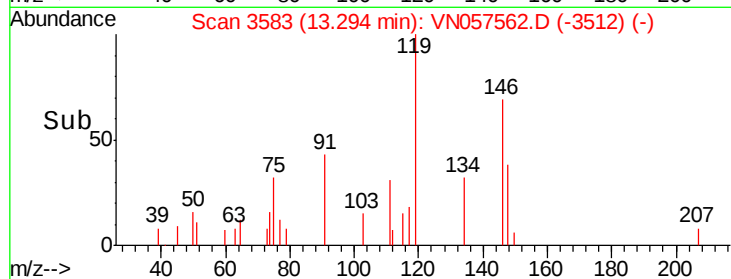
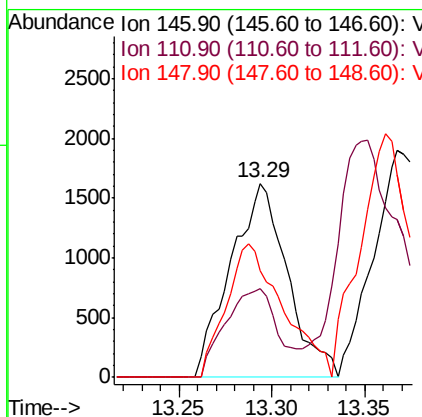
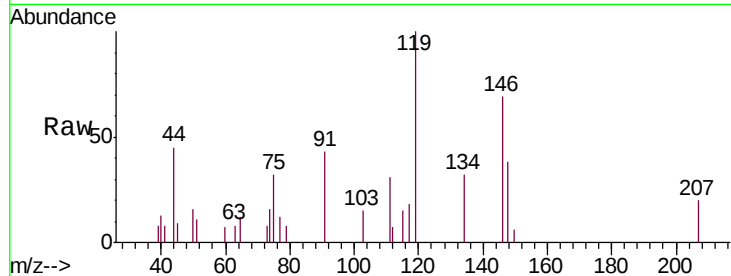
Acq: 29 Aug 2019 20:52

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion:146	Resp:	3450
Ion	Ratio	Lower Upper
146	100	
111	42.2	21.9 65.5
148	69.1	31.1 93.2



#89

n-Butylbenzene

Concen: 0.344 ug/l

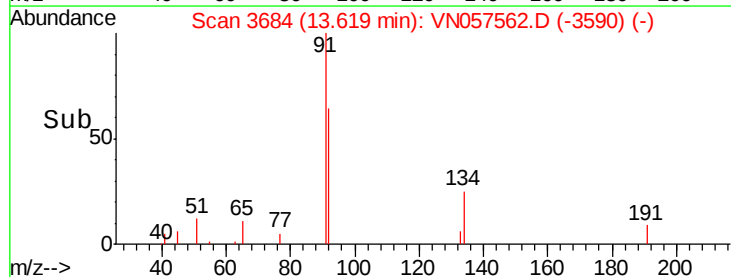
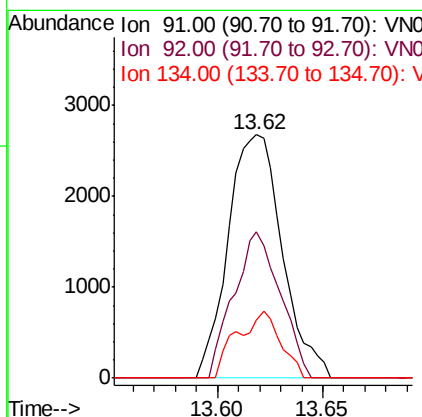
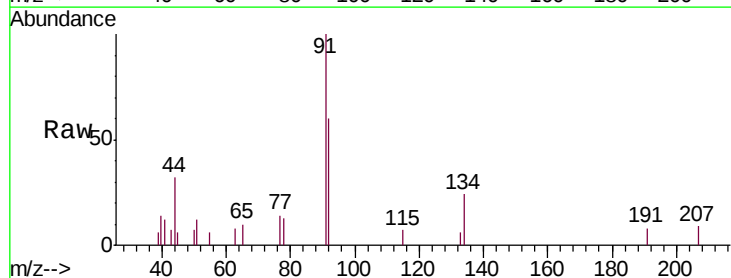
RT: 13.62 min Scan# 3684

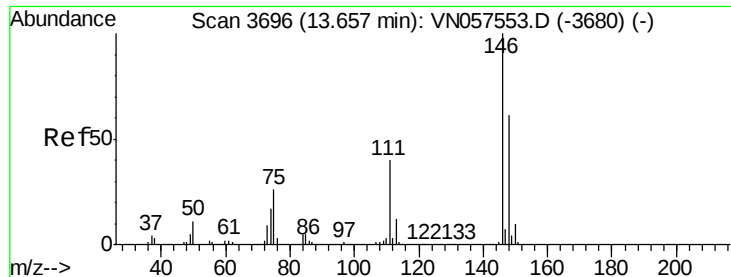
Delta R.T. 0.00 min

Lab File: VN057562.D

Acq: 29 Aug 2019 20:52

Tgt Ion: 91	Resp:	4775
Ion	Ratio	Lower Upper
91	100	
92	51.5	25.7 77.0
134	22.2	11.4 34.1





#91

1,2-Dichlorobenzene

Concen: 0.487 ug/l

RT: 13.66 min Scan# 3696

Delta R.T. -0.00 min

Lab File: VN057562.D

Acq: 29 Aug 2019 20:52

Instrument :

MSVOA_N

ClientSampleId :

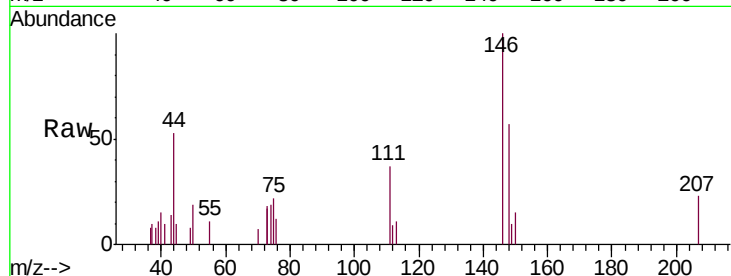
Tot Ion:146 Resp: 3768

Ion Ratio Lower Upper

146 100

111 37.7 23.1 69.2

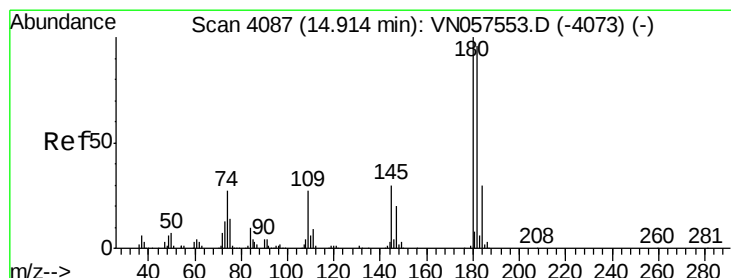
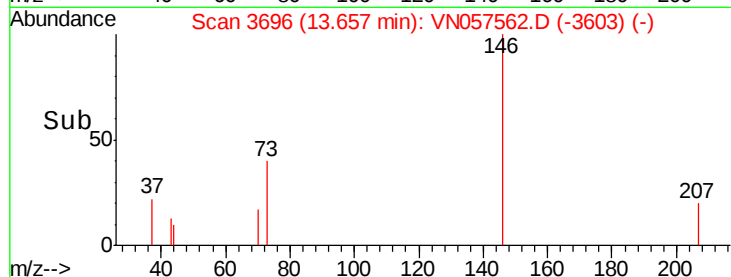
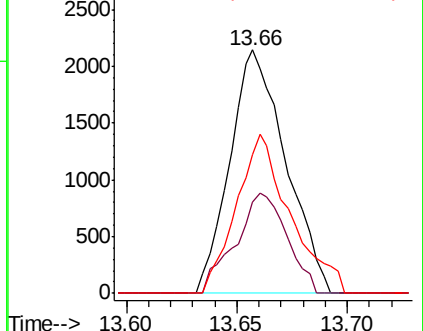
148 63.0 31.8 95.4



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#93

1,2,4-Trichlorobenzene

Concen: 4.910 ug/l

RT: 14.91 min Scan# 4087

Delta R.T. 0.00 min

Lab File: VN057562.D

Acq: 29 Aug 2019 20:52

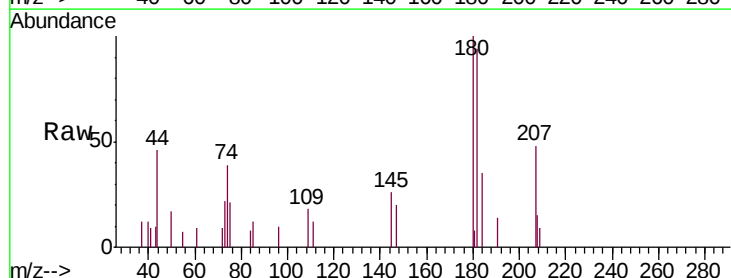
Tgt Ion:180 Resp: 3915

Ion Ratio Lower Upper

180 100

182 96.2 46.7 140.1

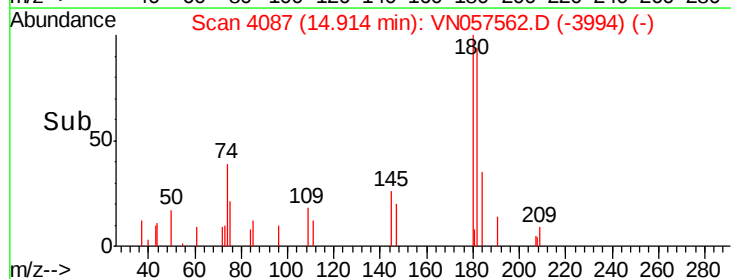
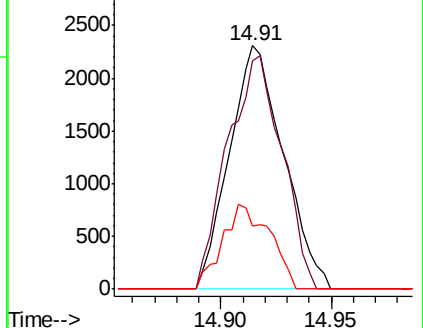
145 30.5 15.6 46.8

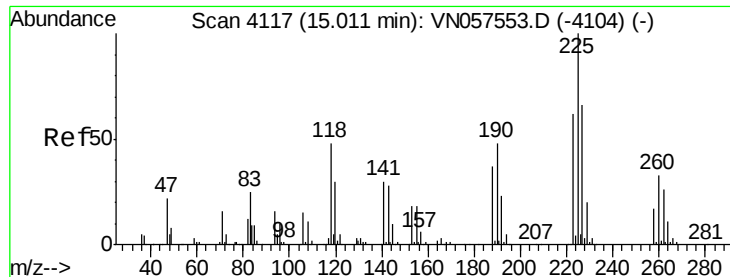


Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V





#94

Hexachlorobutadiene

Concen: 0.385 ug/l

RT: 15.01 min Scan# 4116

Delta R.T. -0.00 min

Lab File: VN057562.D

Acq: 29 Aug 2019 20:52

Instrument :

MSVOA_N

ClientSampled :

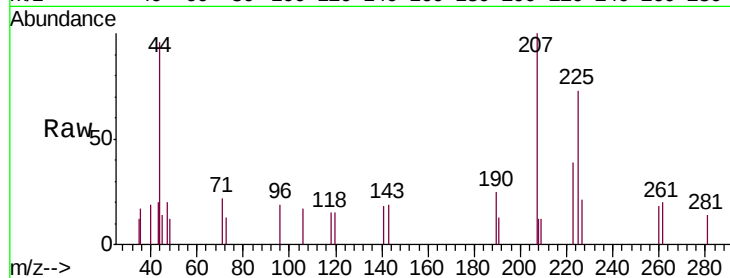
Tot Ion:225 Resp: 982

Ion Ratio Lower Upper

225 100

223 105.2 32.0 96.2#

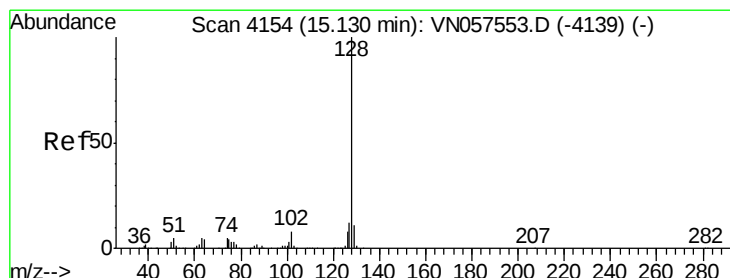
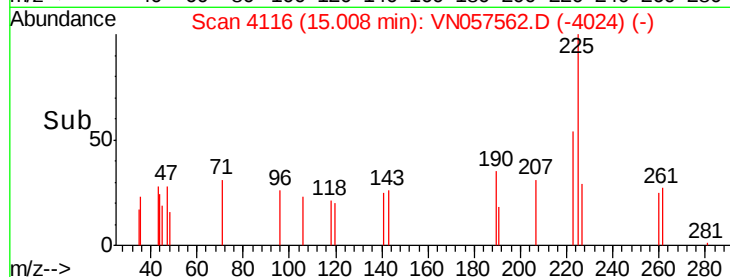
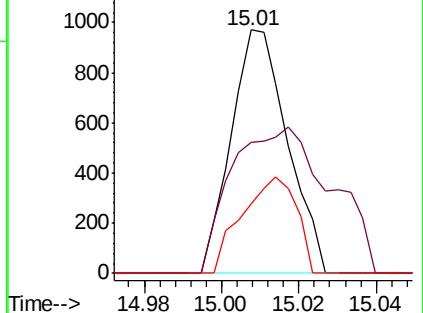
227 38.2 31.5 94.5



Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V



#95

Naphthalene

Concen: 1.306 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN057562.D

Acq: 29 Aug 2019 20:52

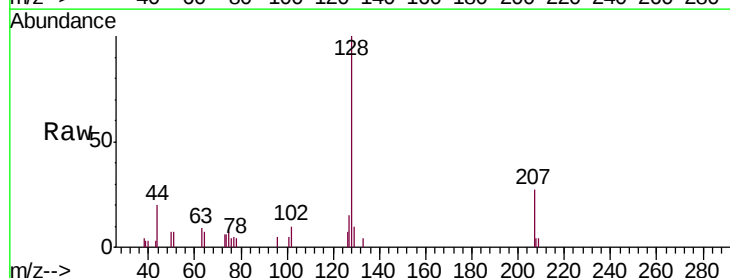
Tgt Ion:128 Resp: 10006

Ion Ratio Lower Upper

128 100

127 14.4 10.5 15.7

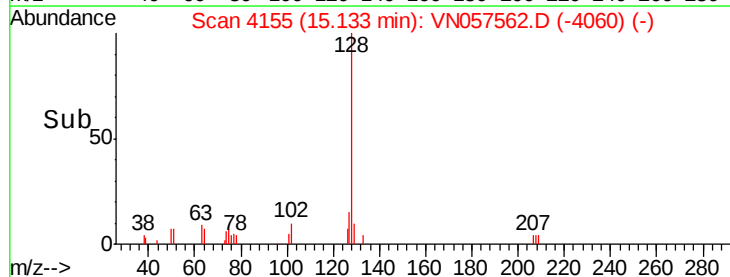
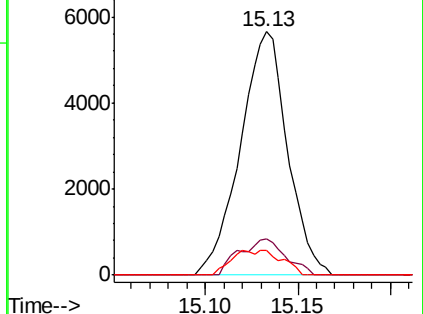
129 5.5 8.6 13.0#

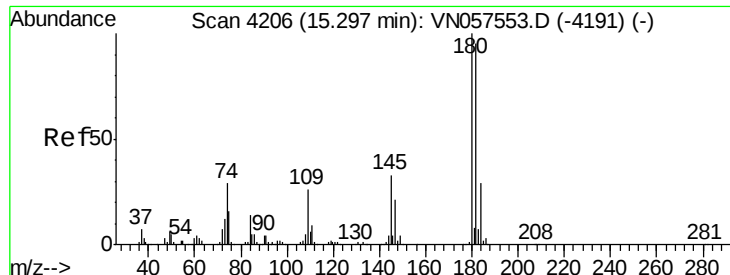


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V





#96
 1,2,3-Trichlorobenzene
 Concen: 1.400 ug/l
 RT: 15.30 min Scan# 4206
 Delta R.T. 0.00 min
 Lab File: VN057562.D
 Acq: 29 Aug 2019 20:52

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	106.1	46.7	140.1
145	34.2	16.8	50.3

