

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111419\
 Data File : VN059240.D
 Acq On : 14 Nov 2019 17:34
 Operator : JC/SP
 Sample : K5842-04
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 15 06:32:57 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110619W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 07 04:00:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	475112	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	725450	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	658970	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	294754	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	281000	48.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.22%	
35) Dibromofluoromethane	7.57	113	219206	50.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.22%	
50) Toluene-d8	10.08	98	884148	51.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.64%	
62) 4-Bromofluorobenzene	12.40	95	328757	53.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.88%	

Target Compounds

						Qvalue
4) Vinyl Chloride	2.17	62	10277	1.629	ug/l	96
6) Chloroethane	2.69	64	2238	0.600	ug/l	98
11) Tert butyl alcohol	4.75	59	4018	3.610	ug/l #	72
13) Acrolein	3.78	56	338	0.589	ug/l #	66
16) Acetone	3.80	43	6270	2.064	ug/l #	84
19) Methyl tert-butyl Ether	5.01	73	3189	0.209	ug/l #	1
20) Methylene Chloride	4.53	84	1684	0.318	ug/l	94
21) trans-1,2-Dichloroethene	5.01	96	14048	2.953	ug/l	98
27) cis-1,2-Dichloroethene	6.80	96	3075	0.557	ug/l #	17
29) Tetrahydrofuran	7.19	42	32760	12.881	ug/l	99
30) Chloroform	7.63	83	2817	0.306	ug/l #	38
31) Cyclohexane	7.63	56	107605	11.835	ug/l #	93
36) 1,1-Dichloropropene	7.64	75	34547	5.095	ug/l #	49
38) Carbon Tetrachloride	7.64	117	43832	6.495	ug/l #	17
39) Methylcyclohexane	9.07	83	41422	5.263	ug/l	95
40) Benzene	8.02	78	3280473	160.654	ug/l	99
41) Methacrylonitrile	7.18	41	18986	5.788	ug/l #	100
42) 1,2-Dichloroethane	8.02	62	26295	3.755	ug/l	79
44) Trichloroethene	8.82	130	3303	0.658	ug/l	99
48) Methyl methacrylate	9.26	41	2204	0.410	ug/l #	69
51) 4-Methyl-2-Pentanone	10.09	43	138170	20.305	ug/l #	52
52) Toluene	10.14	92	2686	0.219	ug/l	83
55) 1,1,2-Trichloroethane	10.53	97	1043	0.211	ug/l #	14
56) Ethyl methacrylate	10.42	69	768	1.963	ug/l #	1
59) 2-Hexanone	10.60	43	16847	3.226	ug/l	69
65) Chlorobenzene	11.43	112	9016706	701.913	ug/l #	10
67) Ethyl Benzene	11.51	91	1756433	77.065	ug/l	98
68) m/p-Xylenes	11.62	106	29388	3.442	ug/l	99
69) o-Xylene	11.95	106	17693	2.144	ug/l	98
71) Bromoform	12.40	173	1964	0.524	ug/l #	1
73) Isopropylbenzene	12.25	105	236341	11.023	ug/l	100
74) N-amyl acetate	12.15	43	7322	0.806	ug/l #	57
76) 1,2,3-Trichloropropane	12.40	75	158684	23.647	ug/l #	100
78) n-propylbenzene	12.59	91	261130	10.637	ug/l	100

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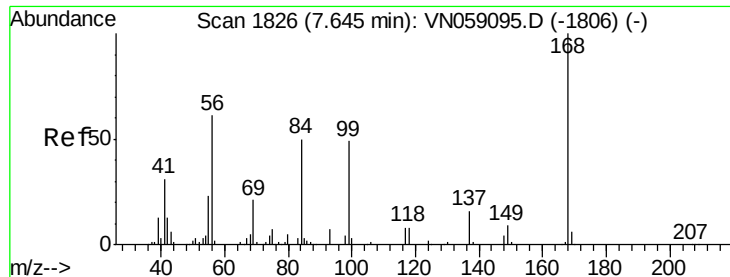
Instrument :
 MSVOA_N
 ClientSampleId :

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

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

79) 2-Chlorotoluene	12.67	91	13270	0.871	ug/l	92
80) 1,3,5-Trimethylbenzene	12.89	105	237607	13.079	ug/l	74
81) trans-1,4-Dichloro-2-buten	12.40	75	158684	62.458	ug/l #	14
82) 4-Chlorotoluene	12.67	91	13270	0.869	ug/l	94
83) tert-Butylbenzene	12.99	119	14755	0.940	ug/l	94
84) 1,2,4-Trimethylbenzene	13.04	105	19416	1.105	ug/l	97
85) sec-Butylbenzene	13.17	105	49025	2.403	ug/l	81
86) p-Isopropyltoluene	13.24	119	21968	1.219	ug/l	97
87) 1,3-Dichlorobenzene	13.28	146	74031	8.026	ug/l	97
88) 1,4-Dichlorobenzene	13.36	146	560378	60.718	ug/l	99
89) n-Butylbenzene	13.62	91	8352	0.530	ug/l #	66
90) Hexachloroethane	13.95	117	33685	9.311	ug/l #	8
93) 1,2,4-Trichlorobenzene	14.91	180	62	3.057	ug/l #	12
95) Naphthalene	15.13	128	194940	15.030	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VN059240.D

Acq: 14 Nov 2019 17:34

Instrument :

MSVOA_N

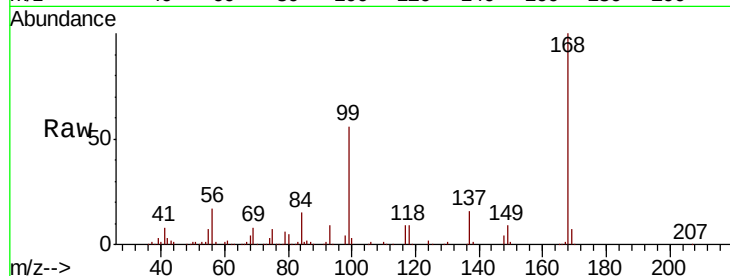
ClientSampled :

Tot Ion:168 Resp: 475112

Ion Ratio Lower Upper

168 100

99 55.8 45.7 68.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.64

200000

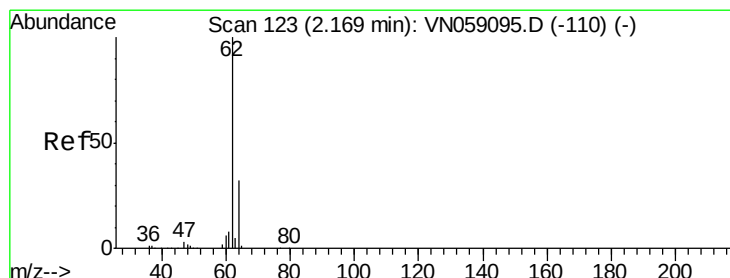
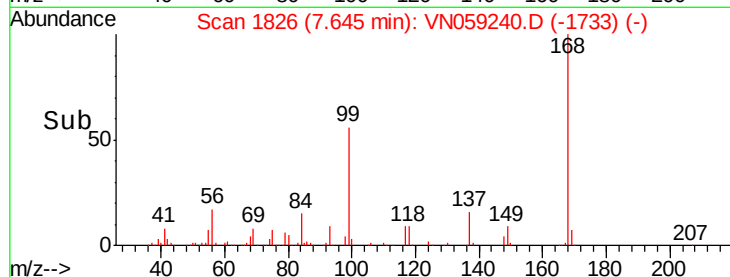
150000

100000

50000

0

Time--> 7.50 7.60 7.70



#4

Vinyl Chloride

Concen: 1.629 ug/l

RT: 2.17 min Scan# 123

Delta R.T. -0.00 min

Lab File: VN059240.D

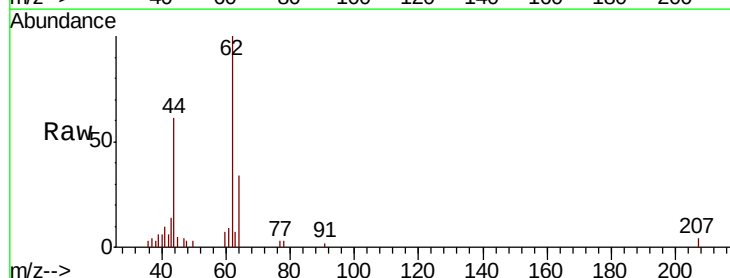
Acq: 14 Nov 2019 17:34

Tgt Ion: 62 Resp: 10277

Ion Ratio Lower Upper

62 100

64 34.1 25.4 38.2



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO

2.17

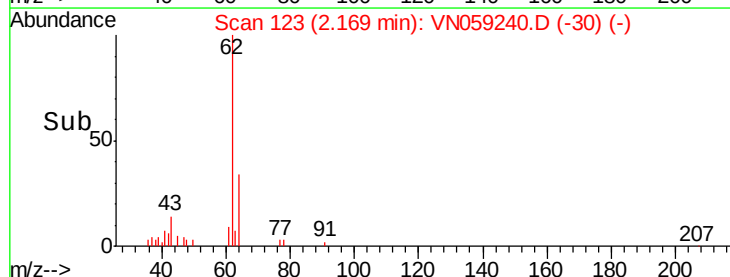
6000

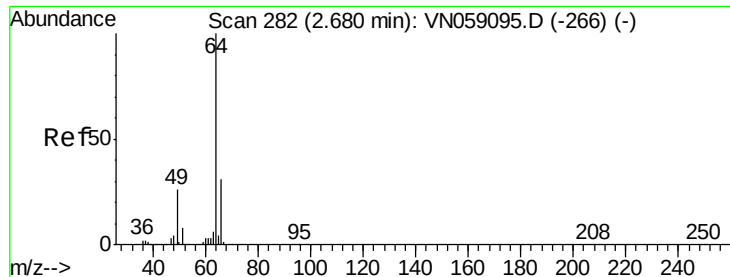
4000

2000

0

Time--> 2.15 2.20





#6

Chloroethane

Concen: 0.600 ug/l

RT: 2.69 min Scan# 285

Delta R.T. 0.01 min

Lab File: VN059240.D

Acq: 14 Nov 2019 17:34

Instrument :

MSVOA_N

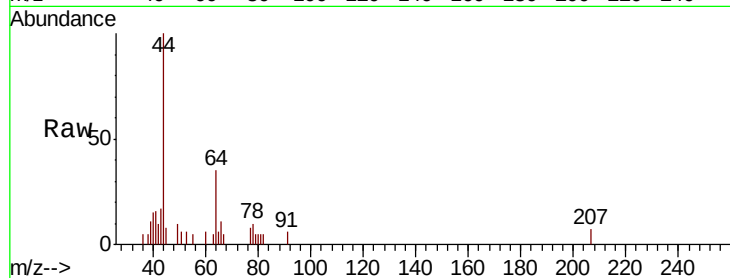
ClientSampled :

Tot Ion: 64 Resp: 2238

Ion Ratio Lower Upper

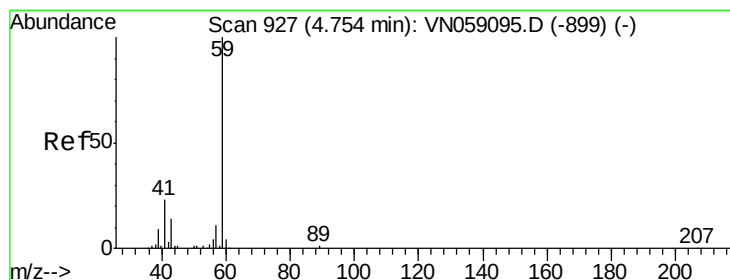
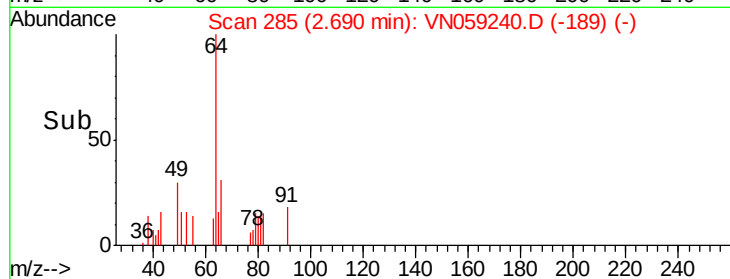
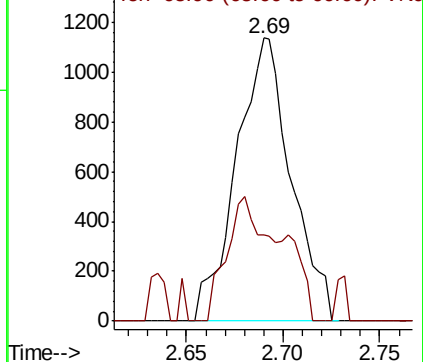
64 100

66 30.6 25.2 37.8



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



#11

Tert butyl alcohol

Concen: 3.610 ug/l

RT: 4.75 min Scan# 925

Delta R.T. -0.01 min

Lab File: VN059240.D

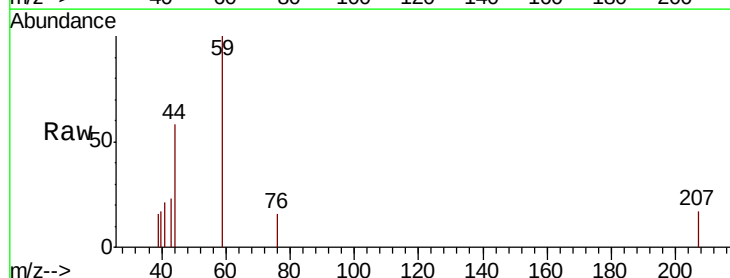
Acq: 14 Nov 2019 17:34

Tgt Ion: 59 Resp: 4018

Ion Ratio Lower Upper

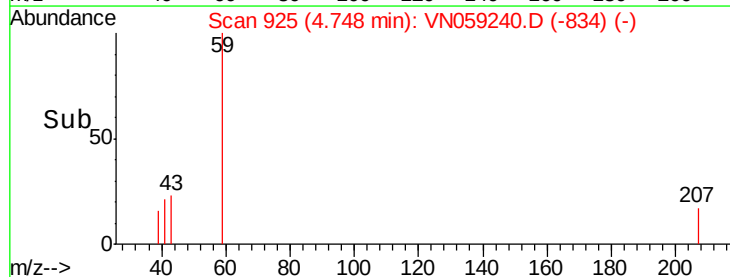
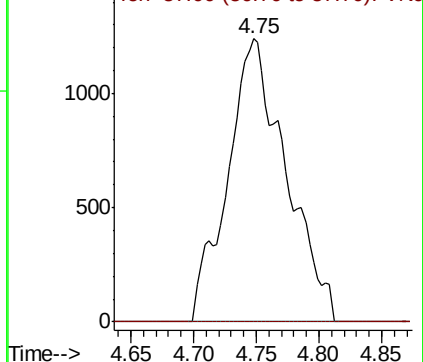
59 100

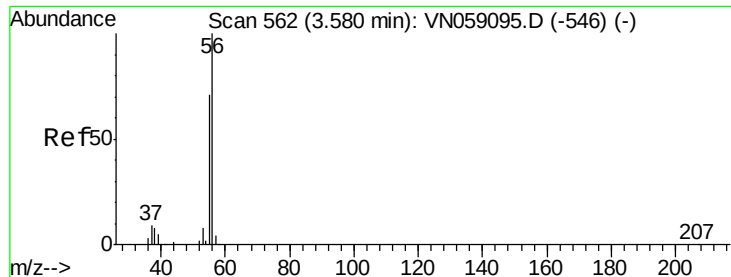
57 0.0 8.3 12.5#



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 57.00 (56.70 to 57.70): VN0





#13

Acrolein

Concen: 0.589 ug/l

RT: 3.78 min Scan# 623

Delta R.T. 0.20 min

Lab File: VN059240.D

Acq: 14 Nov 2019 17:34

Instrument :

MSVOA_N

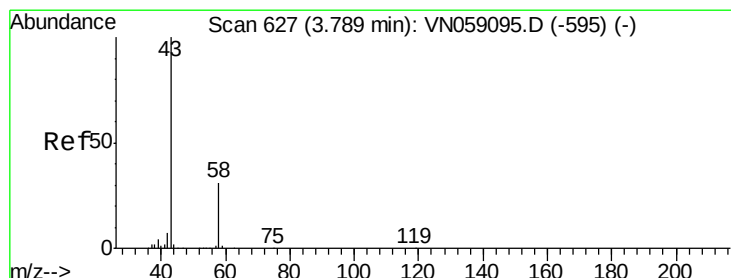
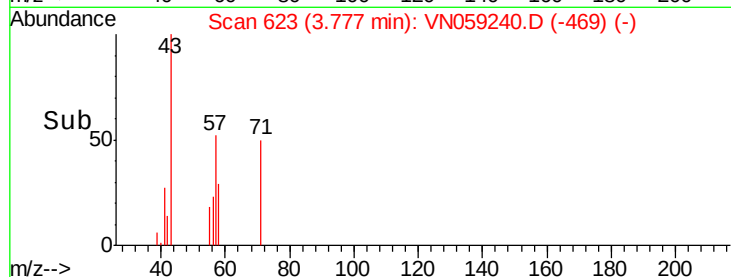
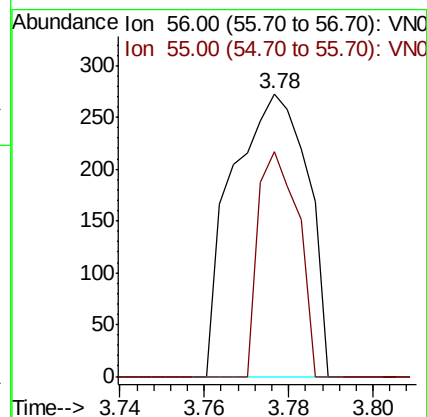
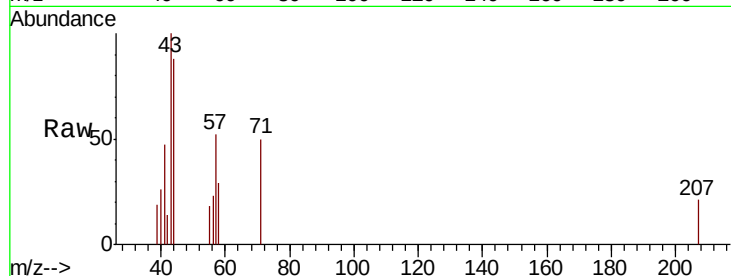
ClientSampleId :

Tot Ion: 56 Resp: 338

Ion Ratio Lower Upper

56 100

55 42.3 56.4 84.6#



#16

Acetone

Concen: 2.064 ug/l

RT: 3.80 min Scan# 630

Delta R.T. 0.01 min

Lab File: VN059240.D

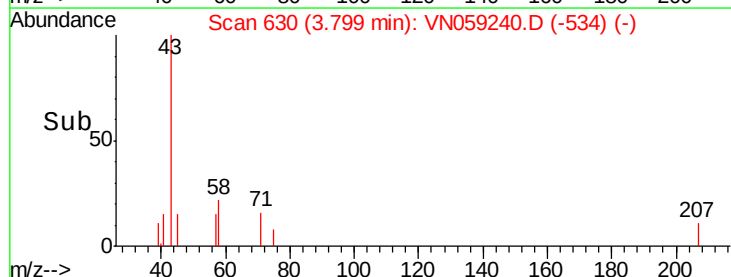
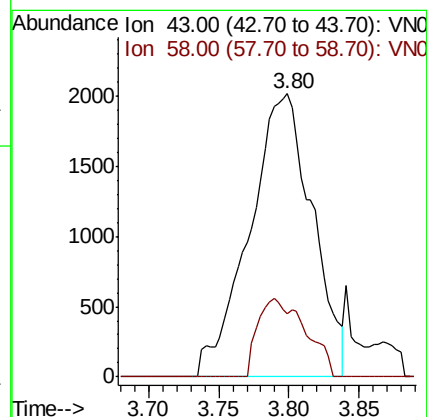
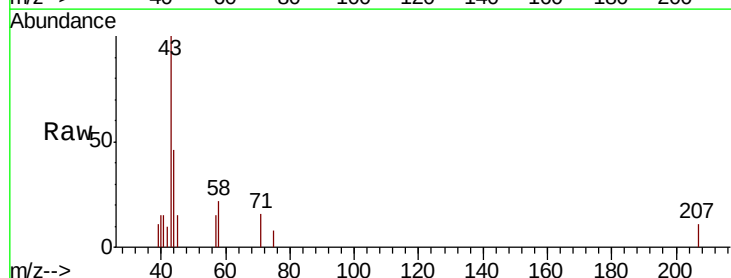
Acq: 14 Nov 2019 17:34

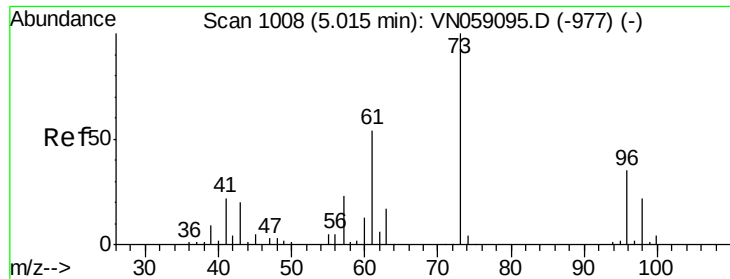
Tgt Ion: 43 Resp: 6270

Ion Ratio Lower Upper

43 100

58 22.4 24.9 37.3#





#19

Methyl tert-butyl Ether

Concen: 0.209 ug/l

RT: 5.01 min Scan# 1008

Delta R.T. -0.00 min

Lab File: VN059240.D

Acq: 14 Nov 2019 17:34

Instrument :

MSVOA_N

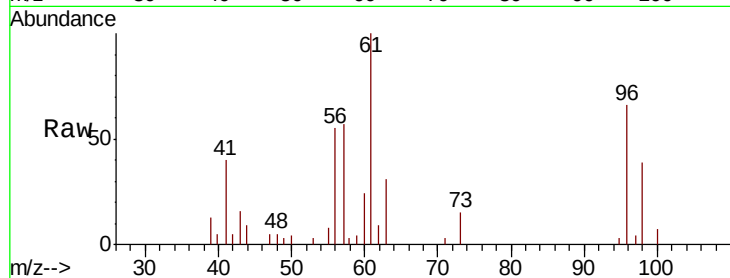
ClientSampleId :

Tot Ion: 73 Resp: 3189

Ion Ratio Lower Upper

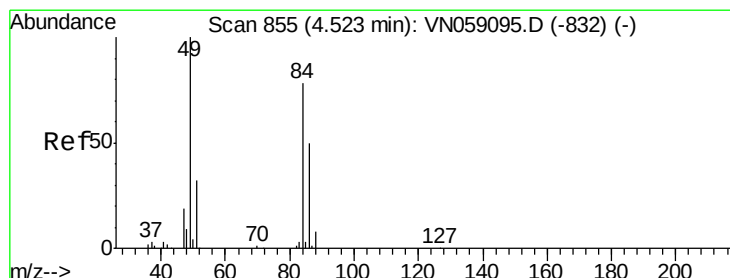
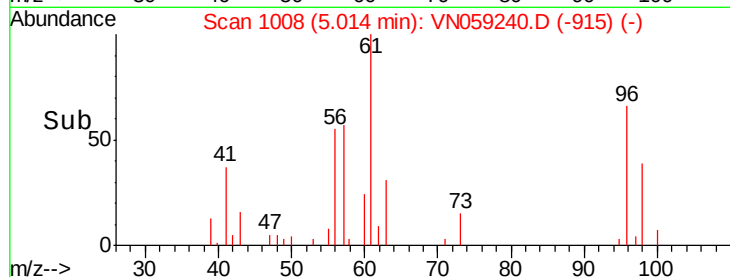
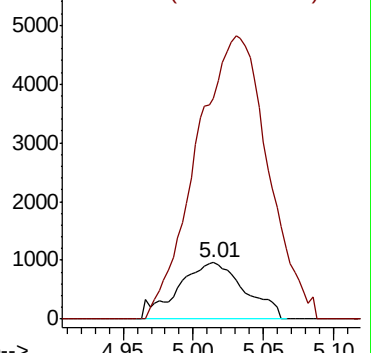
73 100

57 390.1 18.4 27.6#



Abundance Ion 73.00 (72.70 to 73.70): VN059240.D (-915) (-)

Ion 57.00 (56.70 to 57.70): VN059240.D (-915) (-)



#20

Methylene Chloride

Concen: 0.318 ug/l

RT: 4.53 min Scan# 858

Delta R.T. 0.01 min

Lab File: VN059240.D

Acq: 14 Nov 2019 17:34

Tgt Ion: 84 Resp: 1684

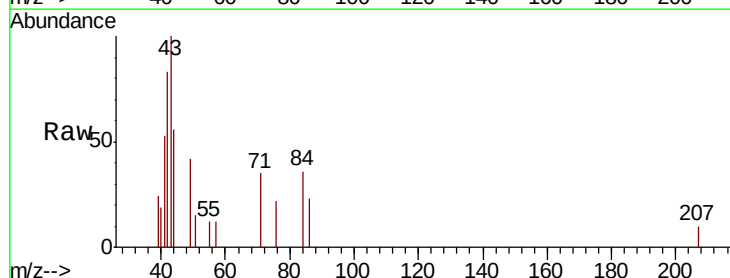
Ion Ratio Lower Upper

84 100

49 116.5 102.0 153.0

51 41.7 32.2 48.2

86 64.2 50.7 76.1

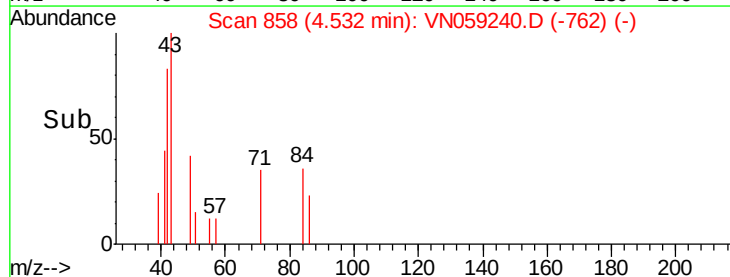
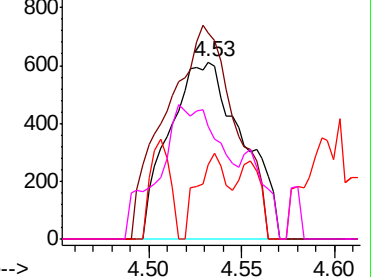


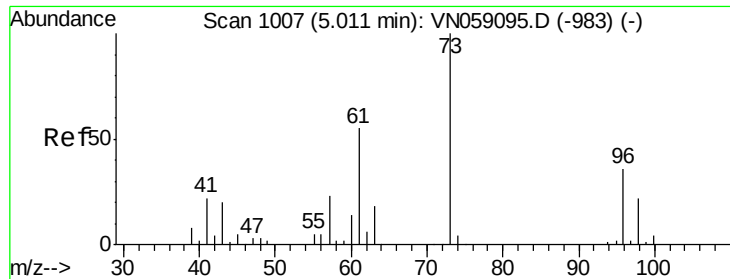
Abundance Ion 83.90 (83.60 to 84.60): VN059240.D (-762) (-)

Ion 48.90 (48.60 to 49.60): VN059240.D (-762) (-)

Ion 50.90 (50.60 to 51.60): VN059240.D (-762) (-)

Ion 85.90 (85.60 to 86.60): VN059240.D (-762) (-)



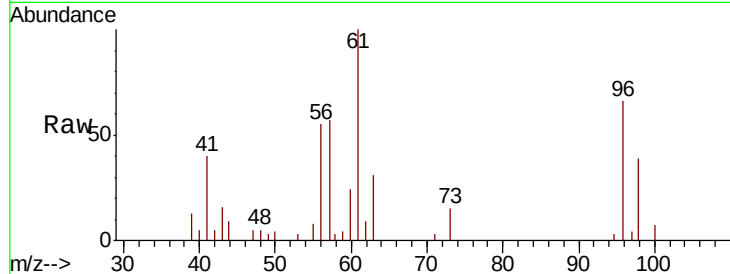


#21

trans-1,2-Dichloroethene
Concen: 2.953 ug/l
RT: 5.01 min Scan# 1008
Delta R.T. 0.00 min
Lab File: VN059240.D
Acq: 14 Nov 2019 17:34

Instrument :
MSVOA_N
ClientSampled :

Tot Ion	96	Resp	14048
Ion	Ratio	Lower	Upper
96	100		
61	151.3	122.6	183.8
98	59.5	50.3	75.5

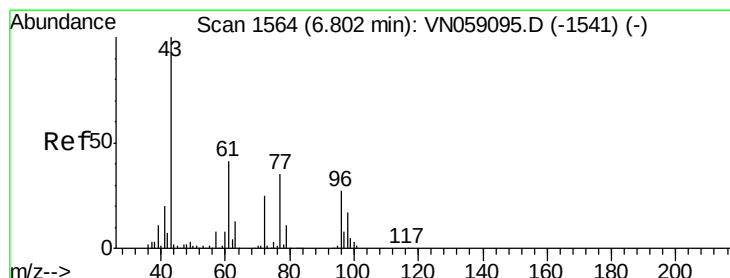
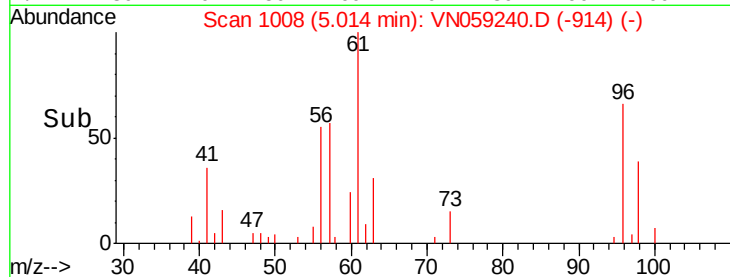
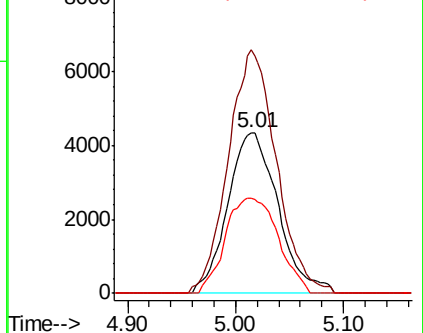


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

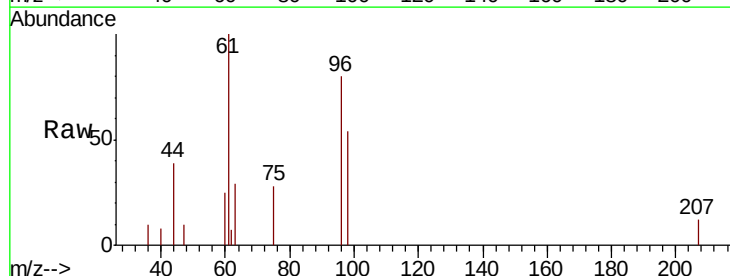
Ion 97.90 (97.60 to 98.60): VN0



#27

cis-1,2-Dichloroethene
Concen: 0.557 ug/l
RT: 6.80 min Scan# 1562
Delta R.T. -0.01 min
Lab File: VN059240.D
Acq: 14 Nov 2019 17:34

Tgt Ion	96	Resp	3075
Ion	Ratio	Lower	Upper
96	100		
61	261.0	0.0	311.6
98	134.7	0.0	129.8#

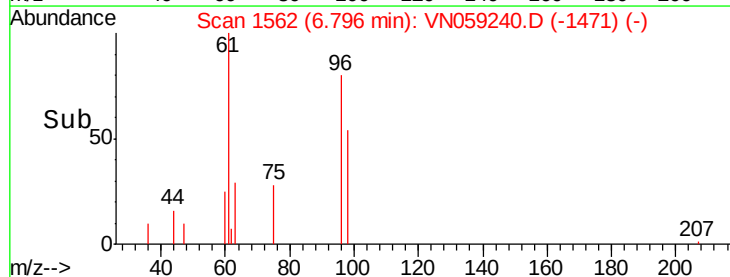
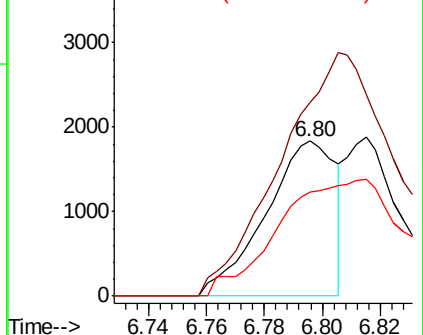


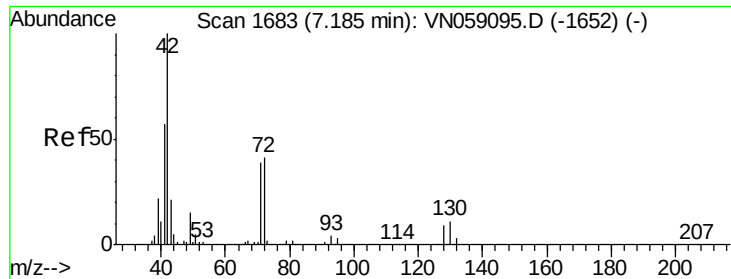
Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

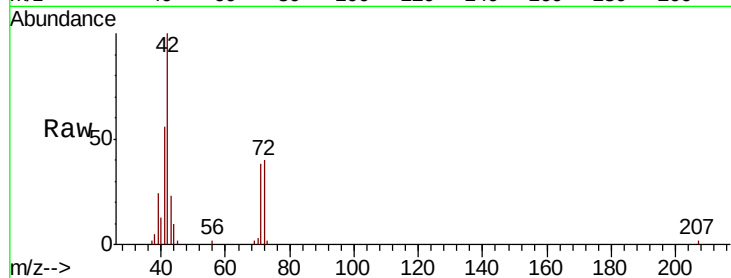




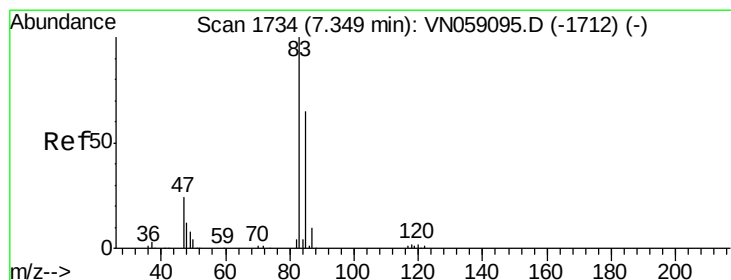
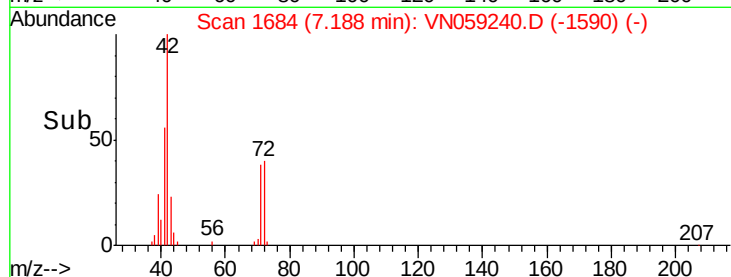
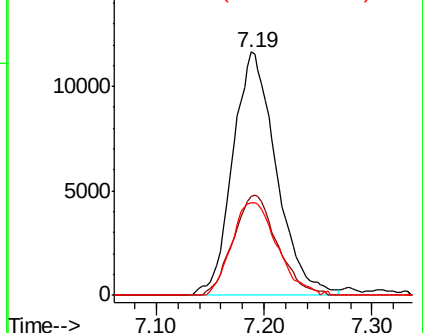
#29
Tetrahydrofuran
Concen: 12.881 ug/l
RT: 7.19 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VN059240.D
Acq: 14 Nov 2019 17:34

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 42 Resp: 32760
Ion Ratio Lower Upper
42 100
72 41.6 33.1 49.7
71 39.5 30.9 46.3

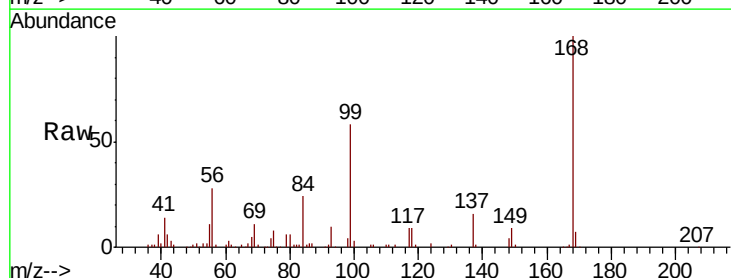


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

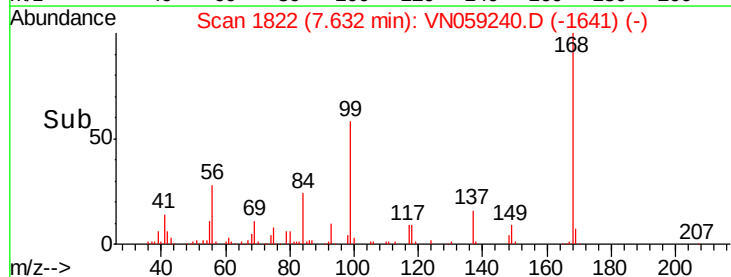
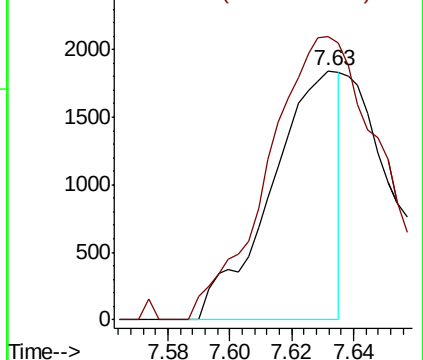


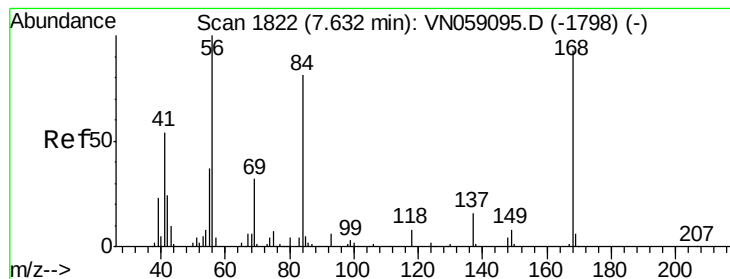
#30
Chloroform
Concen: 0.306 ug/l
RT: 7.63 min Scan# 1822
Delta R.T. 0.28 min
Lab File: VN059240.D
Acq: 14 Nov 2019 17:34

Tgt Ion: 83 Resp: 2817
Ion Ratio Lower Upper
83 100
85 113.7 51.8 77.8#



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





#31

Cyclohexane

Concen: 11.835 ug/l

RT: 7.63 min Scan# 1823

Delta R.T. 0.00 min

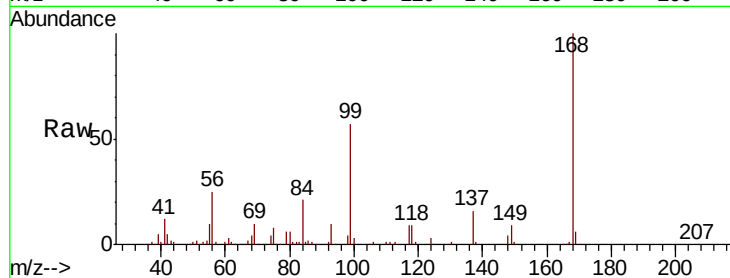
Lab File: VN059240.D

Acq: 14 Nov 2019 17:34

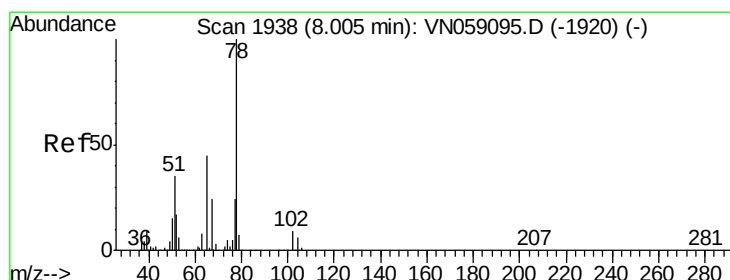
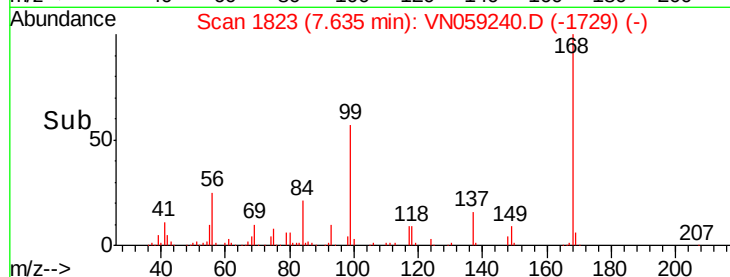
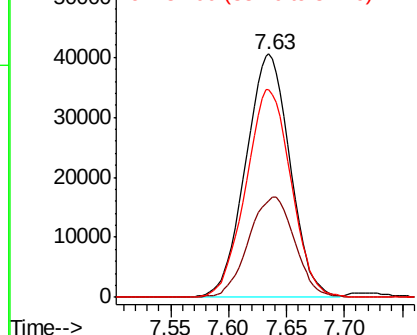
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 107605

Ion	Ratio	Lower	Upper
56	100		
69	39.6	25.8	38.8#
84	85.2	65.0	97.4



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



#33

1,2-Dichloroethane-d4

Concen: 48.114 ug/l

RT: 8.00 min Scan# 1938

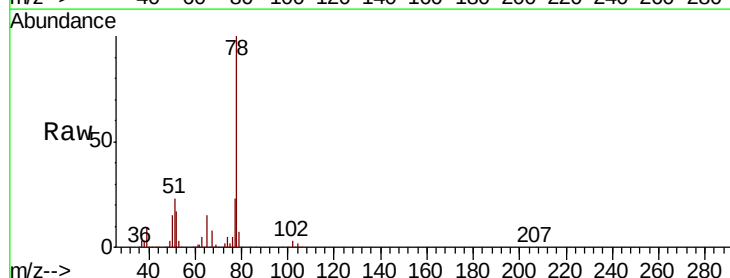
Delta R.T. -0.00 min

Lab File: VN059240.D

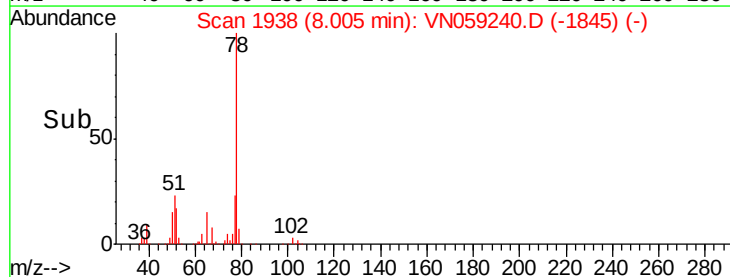
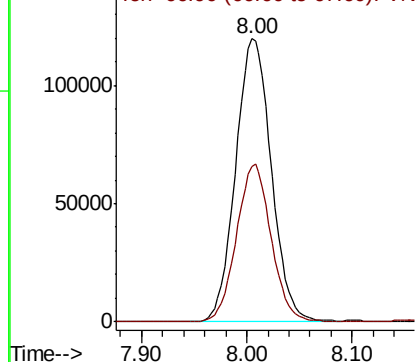
Acq: 14 Nov 2019 17:34

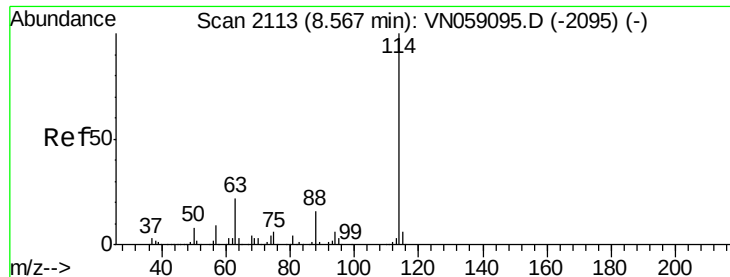
Tgt Ion: 65 Resp: 281000

Ion	Ratio	Lower	Upper
65	100		
67	54.3	0.0	107.4



Abundance Ion 64.90 (64.60 to 65.60): VN0
Ion 66.90 (66.60 to 67.60): VN0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2113

Delta R.T. -0.00 min

Lab File: VN059240.D

Acq: 14 Nov 2019 17:34

Instrument :

MSVOA_N

ClientSampleId :

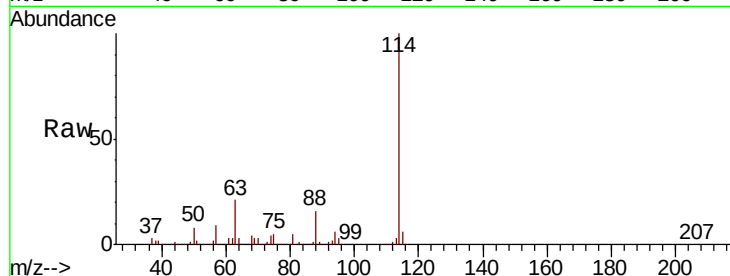
Tot Ion:114 Resp: 725450

Ion Ratio Lower Upper

114 100

63 21.3 0.0 43.4

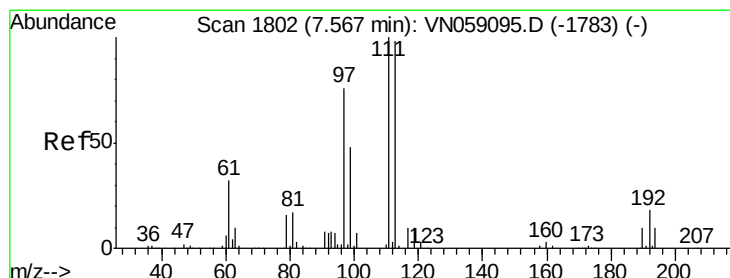
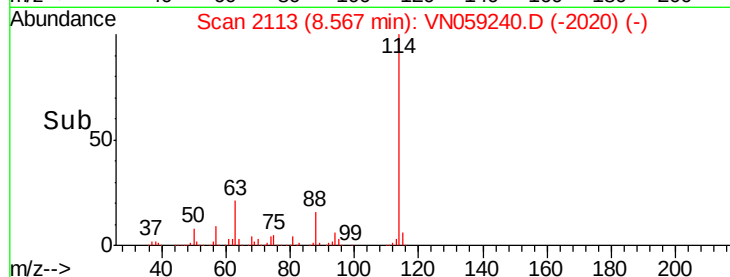
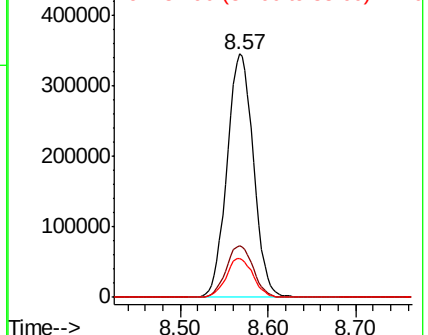
88 16.1 0.0 32.2



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: 50.606 ug/l

RT: 7.57 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VN059240.D

Acq: 14 Nov 2019 17:34

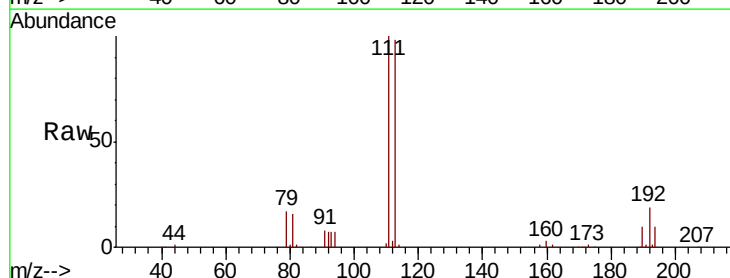
Tgt Ion:113 Resp: 219206

Ion Ratio Lower Upper

113 100

111 102.4 82.8 124.2

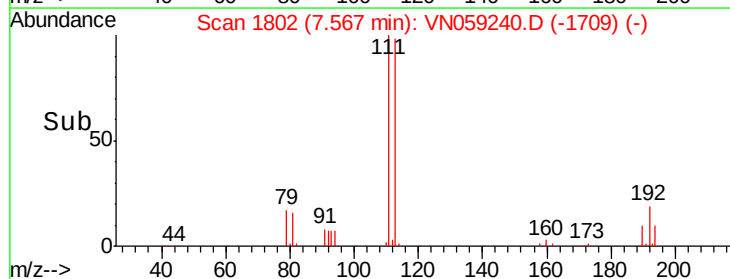
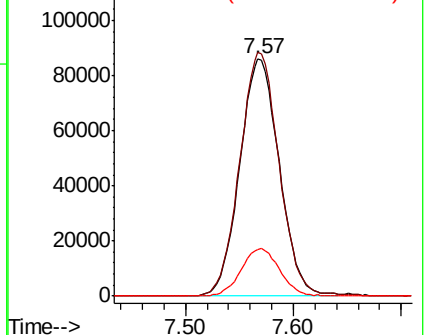
192 19.4 16.1 24.1

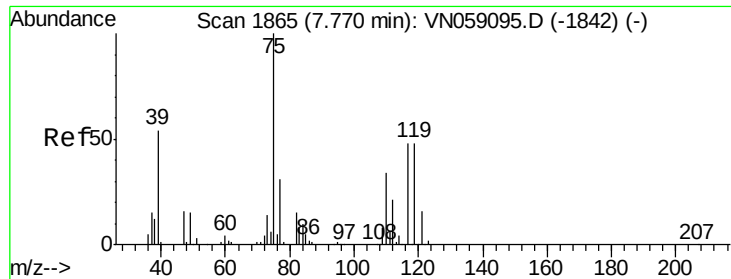


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

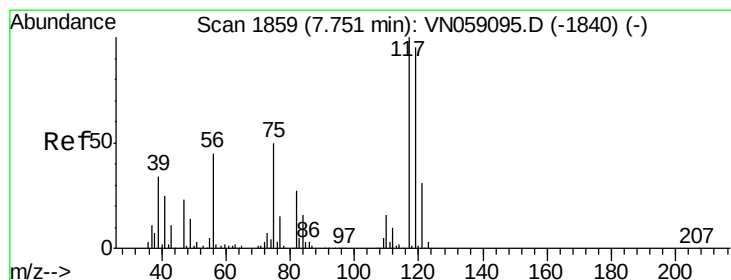
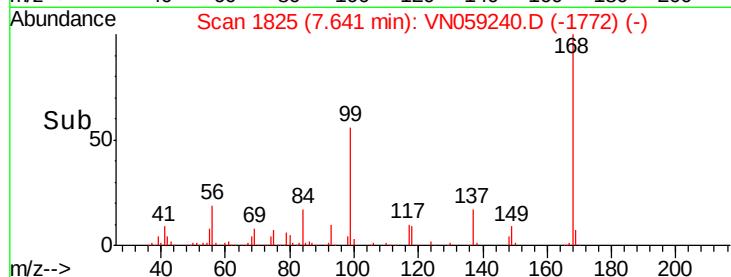
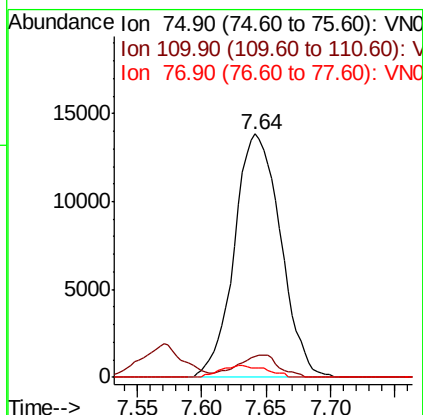
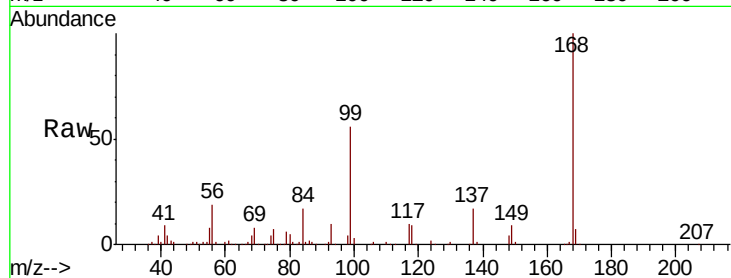




#36
 1,1-Dichloropropene
 Concen: 5.095 ug/l
 RT: 7.64 min Scan# 1825
 Delta R.T. -0.13 min
 Lab File: VN059240.D
 Acq: 14 Nov 2019 17:34

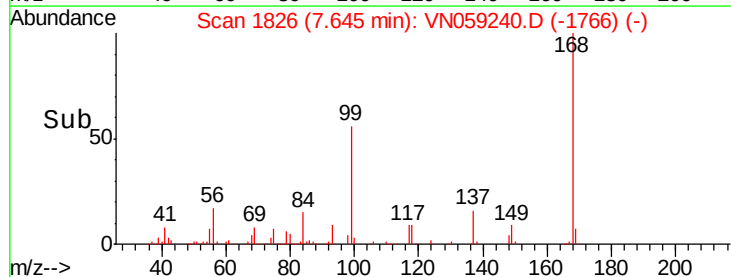
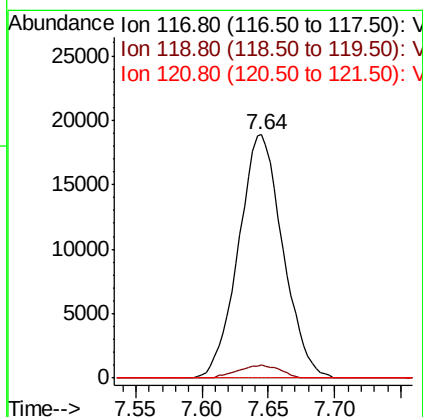
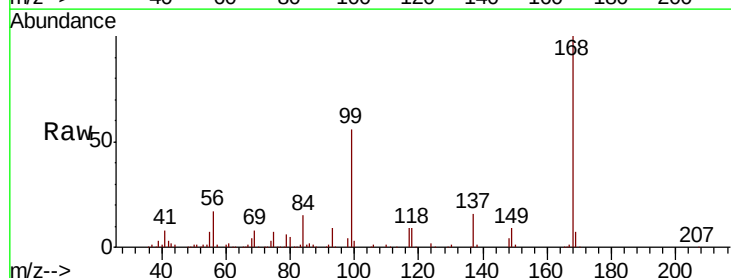
Instrument :
 MSVOA_N
 ClientSampled :

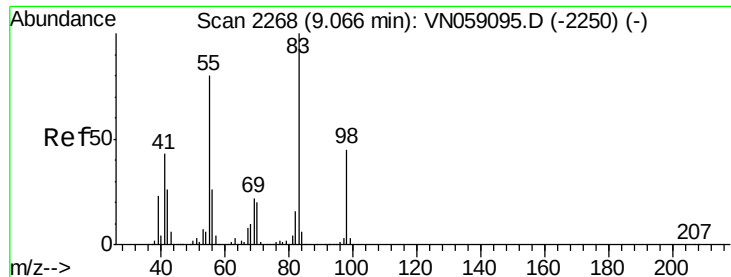
Tot Ion	75	Resp	34547
Ion Ratio	Lower	Upper	
75	100		
110	8.1	17.1	51.2#
77	0.0	24.8	37.2#



#38
 Carbon Tetrachloride
 Concen: 6.495 ug/l
 RT: 7.64 min Scan# 1826
 Delta R.T. -0.11 min
 Lab File: VN059240.D
 Acq: 14 Nov 2019 17:34

Tgt Ion	117	Resp	43832
Ion Ratio	Lower	Upper	
117	100		
119	5.2	75.6	113.4#
121	0.0	24.6	36.8#

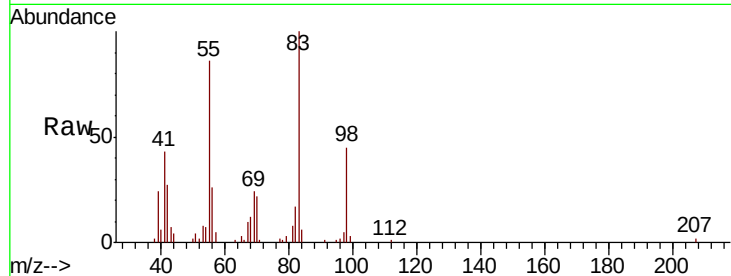




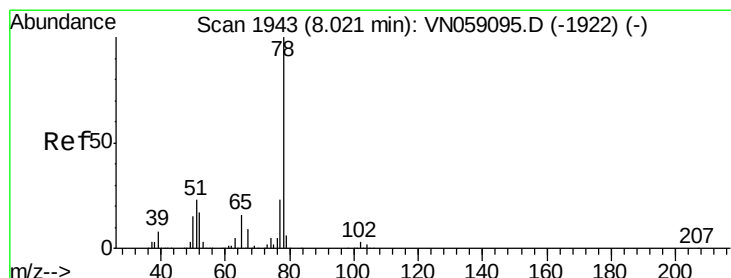
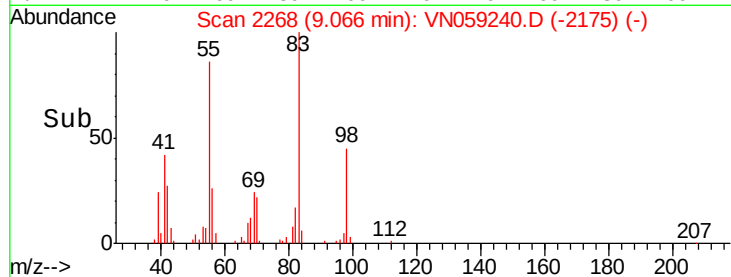
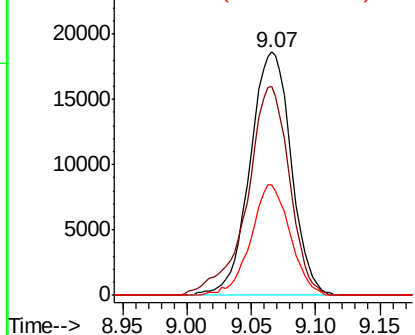
#39
Methylvlcyclohexane
Concen: 5.263 ug/l
RT: 9.07 min Scan# 2268
Delta R.T. -0.00 min
Lab File: VN059240.D
Acq: 14 Nov 2019 17:34

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 83 Resp: 41422
Ion Ratio Lower Upper
83 100
55 85.7 63.9 95.9
98 45.3 35.6 53.4

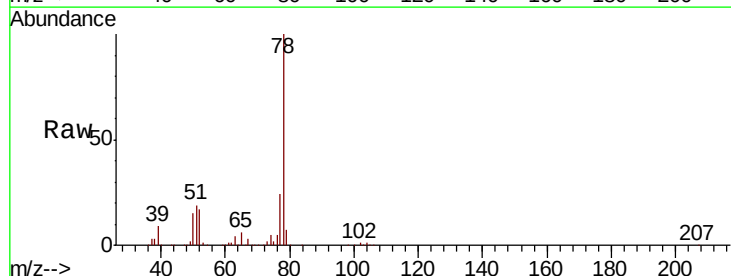


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

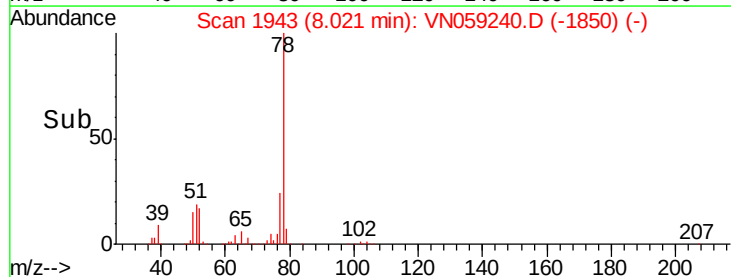
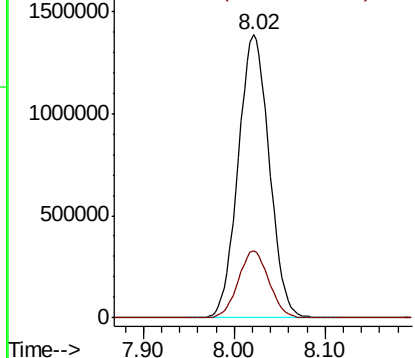


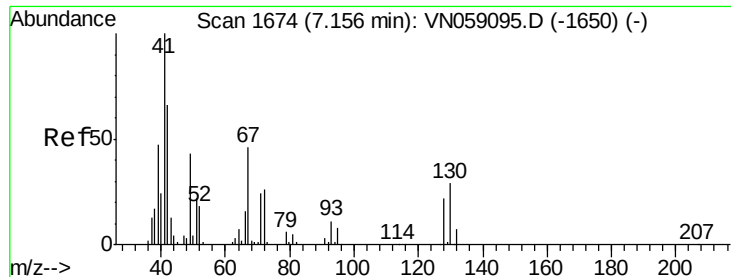
#40
Benzene
Concen: 160.654 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. -0.00 min
Lab File: VN059240.D
Acq: 14 Nov 2019 17:34

Tgt Ion: 78 Resp: 3280473
Ion Ratio Lower Upper
78 100
77 23.9 18.8 28.2



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

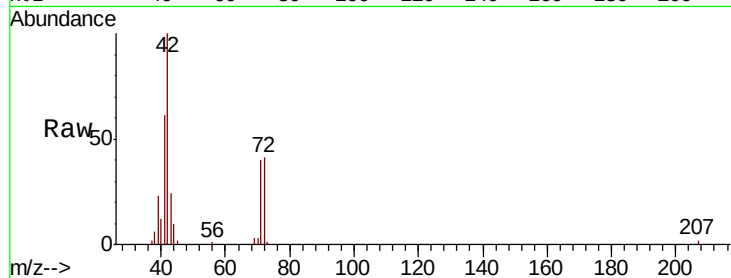




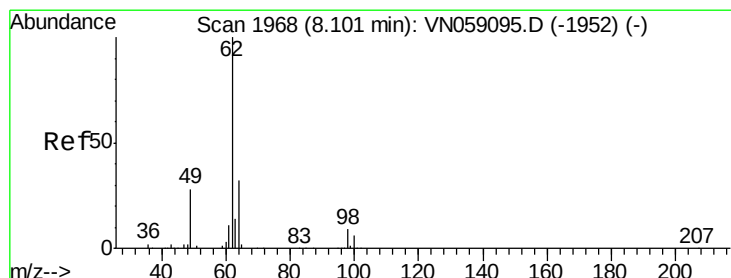
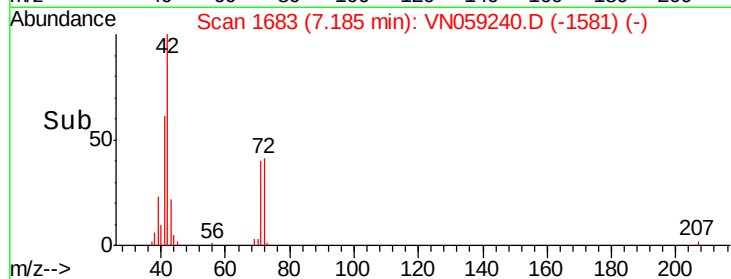
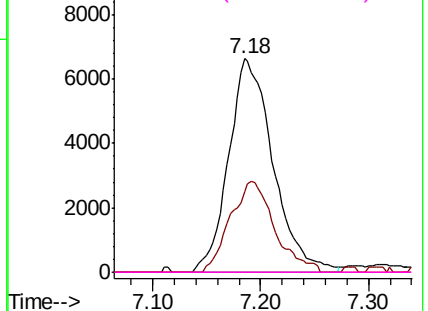
#41
Methacrylonitrile
Concen: 5.788 ug/l
RT: 7.18 min Scan# 1683
Delta R.T. 0.03 min
Lab File: VN059240.D
Acq: 14 Nov 2019 17:34

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:	41	Resp:	18986
Ion	Ratio	Lower	Upper
41	100		
39	42.3	0.0	0.0#
67	0.0	0.0	0.0
52	0.0	0.0	0.0

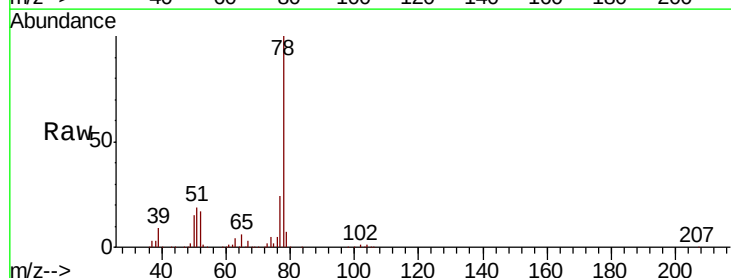


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

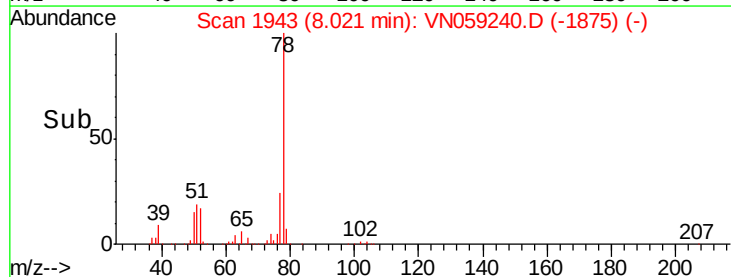
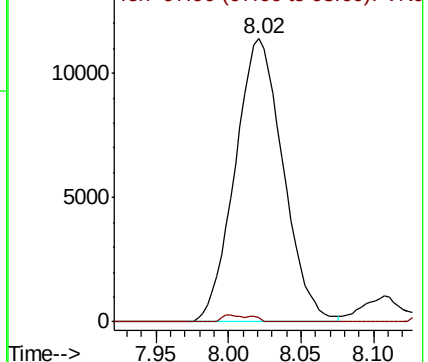


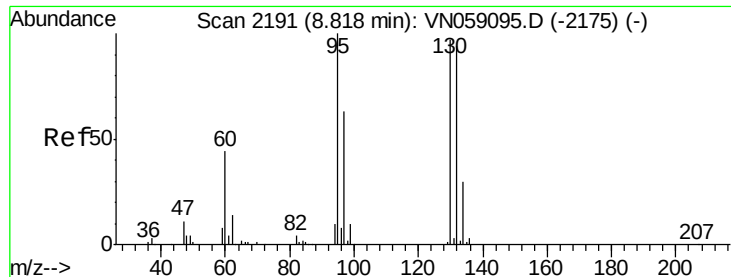
#42
1,2-Dichloroethane
Concen: 3.755 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. -0.08 min
Lab File: VN059240.D
Acq: 14 Nov 2019 17:34

Tgt Ion:	62	Resp:	26295
Ion	Ratio	Lower	Upper
62	100		
98	1.4	0.0	17.8



Abundance Ion 61.90 (61.60 to 62.60): VN0
Ion 97.90 (97.60 to 98.60): VN0





#44

Trichloroethene

Concen: 0.658 ug/l

RT: 8.82 min Scan# 2193

Delta R.T. 0.01 min

Lab File: VN059240.D

Acq: 14 Nov 2019 17:34

Instrument :

MSVOA_N

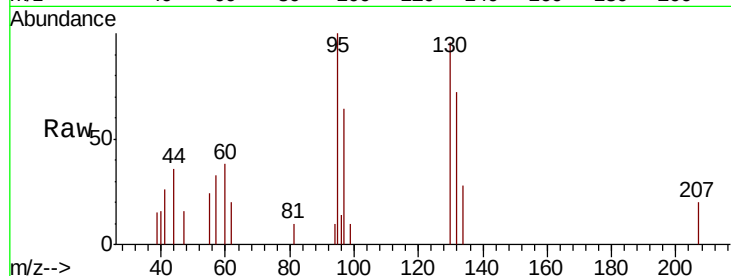
ClientSampled :

Tot Ion:130 Resp: 3303

Ion Ratio Lower Upper

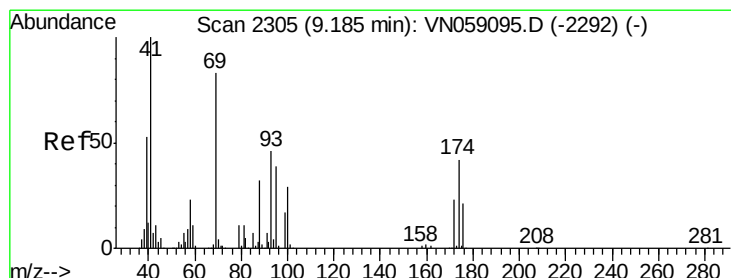
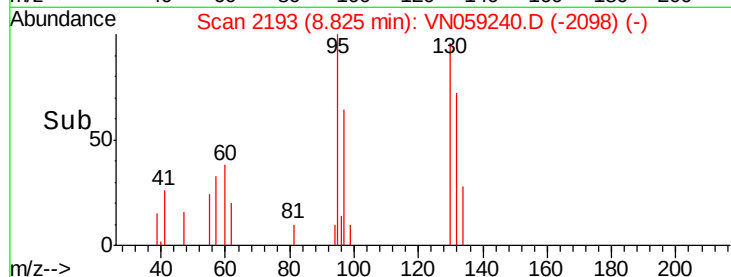
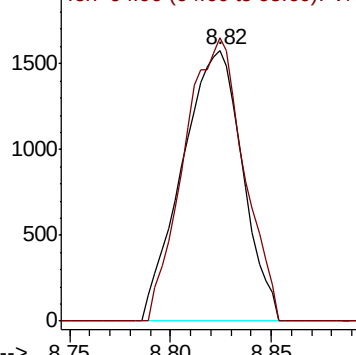
130 100

95 104.5 0.0 206.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VN0



#48

Methyl methacrylate

Concen: 0.410 ug/l

RT: 9.26 min Scan# 2327

Delta R.T. 0.07 min

Lab File: VN059240.D

Acq: 14 Nov 2019 17:34

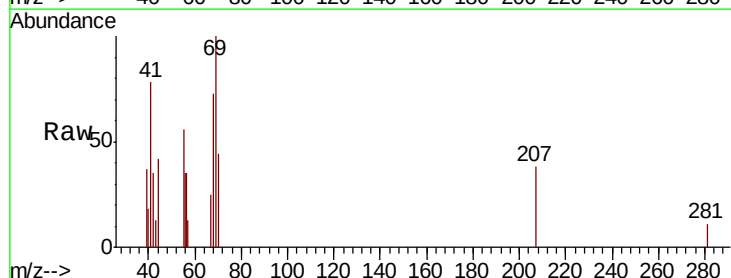
Tgt Ion: 41 Resp: 2204

Ion Ratio Lower Upper

41 100

69 125.9 67.3 100.9#

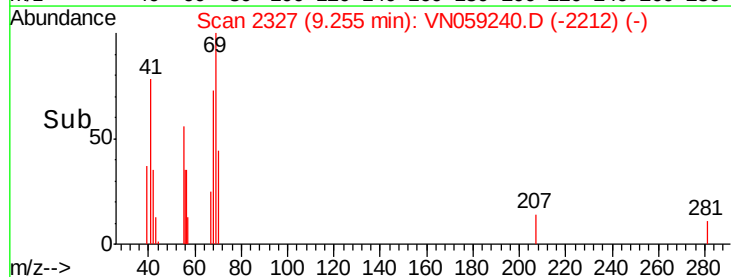
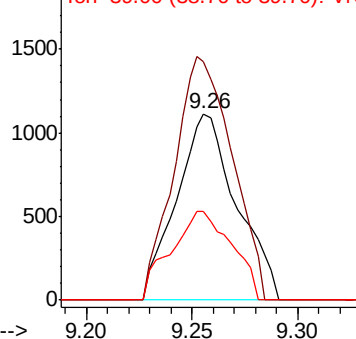
39 48.3 43.3 64.9

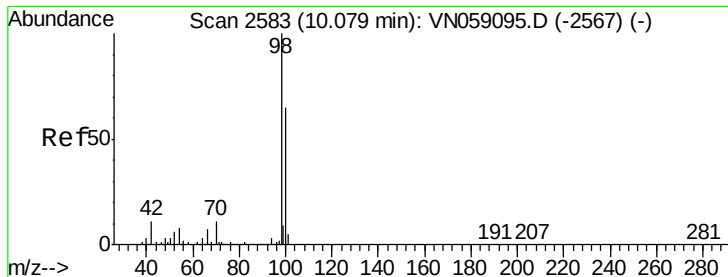


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#50

Toluene-d8

Concen: 51.820 ug/l

RT: 10.08 min Scan# 2583

Delta R.T. -0.00 min

Lab File: VN059240.D

Acq: 14 Nov 2019 17:34

Instrument :

MSVOA_N

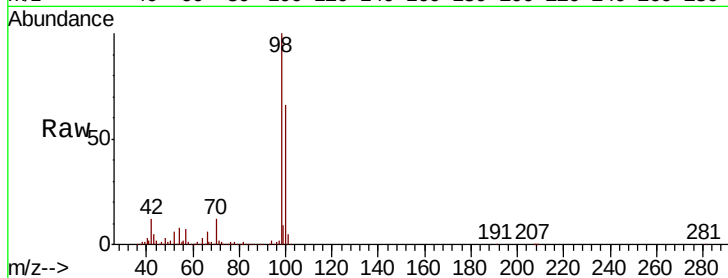
ClientSampled :

Tot Ion: 98 Resp: 884148

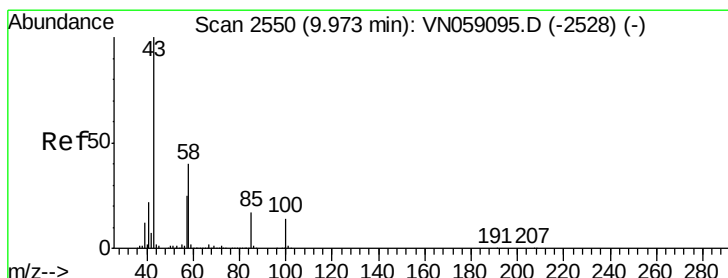
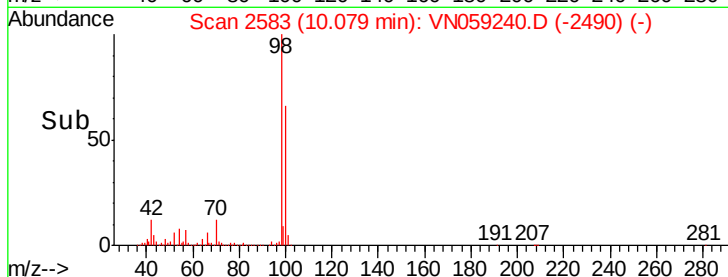
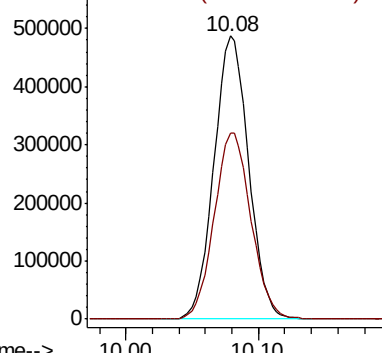
Ion Ratio Lower Upper

98 100

100 69.9 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VN059240.D (-2567) (-)



#51

4-Methyl-2-Pentanone

Concen: 20.305 ug/l

RT: 10.09 min Scan# 2588

Delta R.T. 0.12 min

Lab File: VN059240.D

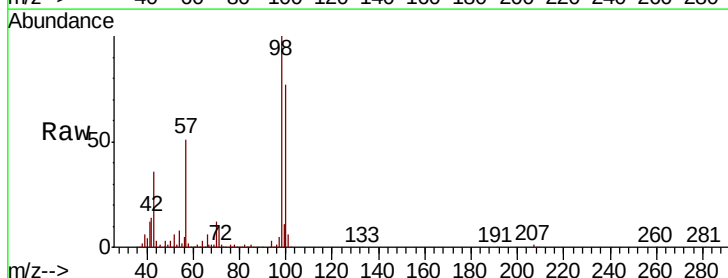
Acq: 14 Nov 2019 17:34

Tgt Ion: 43 Resp: 138170

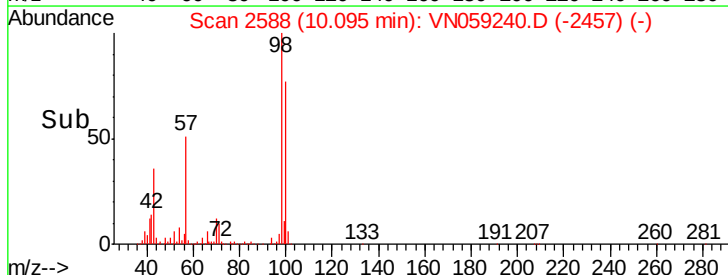
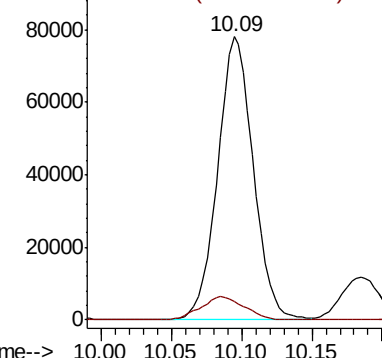
Ion Ratio Lower Upper

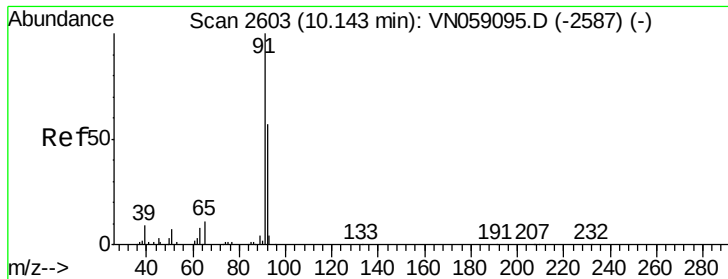
43 100

58 9.9 31.5 47.3#



Abundance Ion 43.00 (42.70 to 43.70): VN059240.D (-2457) (-)





#52

Toluene

Concen: 0.219 ug/l

RT: 10.14 min Scan# 2603

Delta R.T. -0.00 min

Lab File: VN059240.D

Acq: 14 Nov 2019 17:34

Instrument :

MSVOA_N

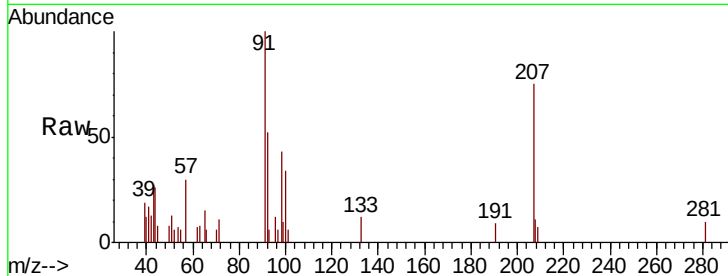
ClientSampled :

Tot Ion: 92 Resp: 2686

Ion Ratio Lower Upper

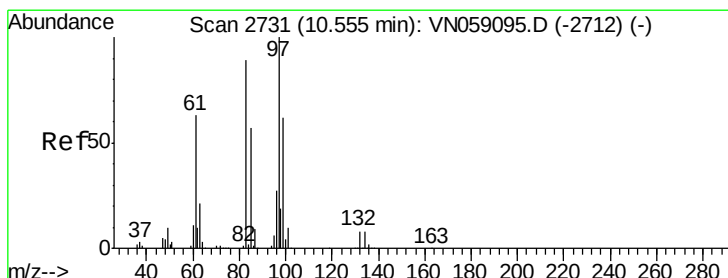
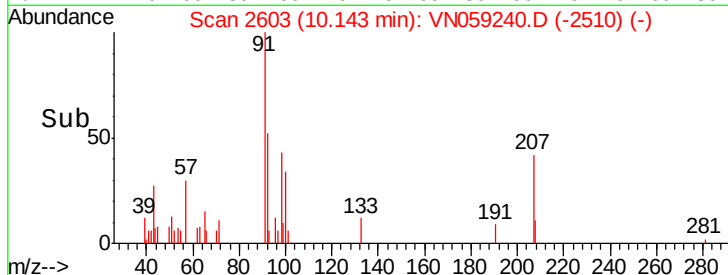
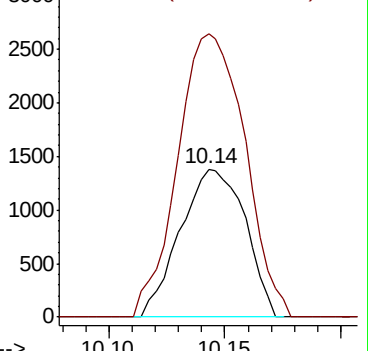
92 100

91 198.5 139.5 209.3



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0



#55

1,1,2-Trichloroethane

Concen: 0.211 ug/l

RT: 10.53 min Scan# 2723

Delta R.T. -0.03 min

Lab File: VN059240.D

Acq: 14 Nov 2019 17:34

Tgt Ion: 97 Resp: 1043

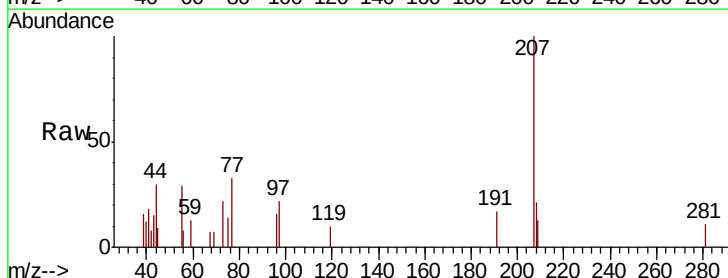
Ion Ratio Lower Upper

97 100

83 0.0 71.0 106.4#

85 0.0 45.8 68.8#

99 0.0 49.4 74.0#

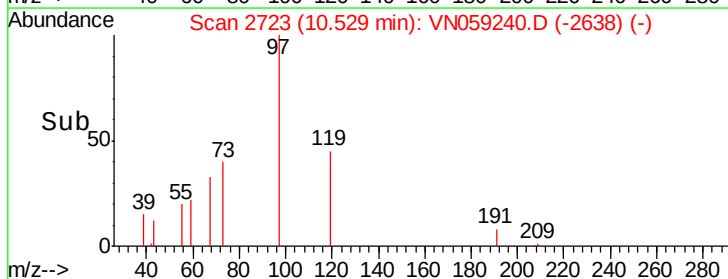
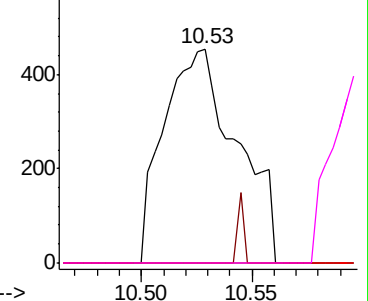


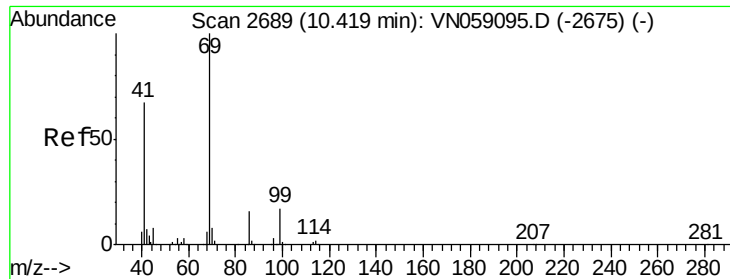
Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0





#56

Ethyl methacrylate

Concen: 1.963 ug/l

RT: 10.42 min Scan# 2688

Delta R.T. -0.00 min

Lab File: VN059240.D

Acq: 14 Nov 2019 17:34

Instrument :

MSVOA_N

ClientSampled :

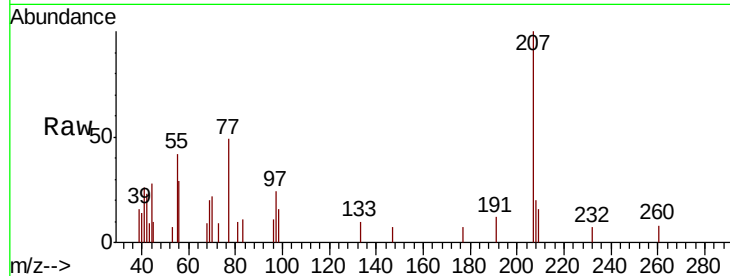
Tot Ion: 69 Resp: 768

Ion Ratio Lower Upper

69 100

41 182.2 53.6 80.4#

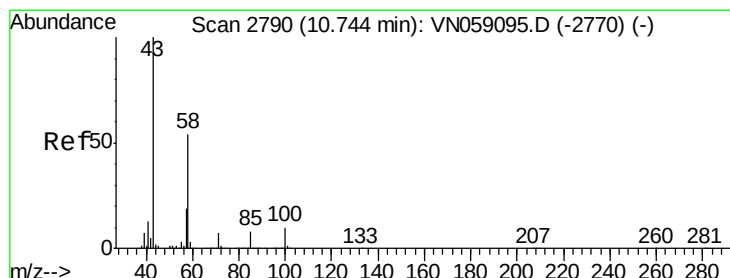
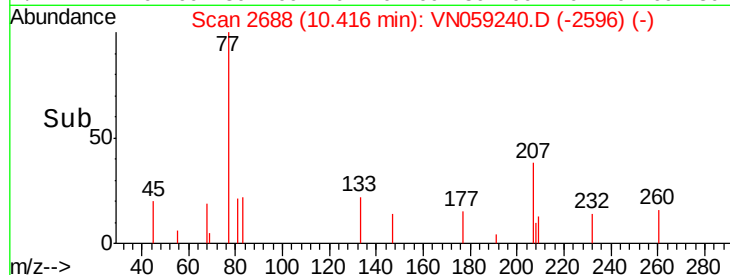
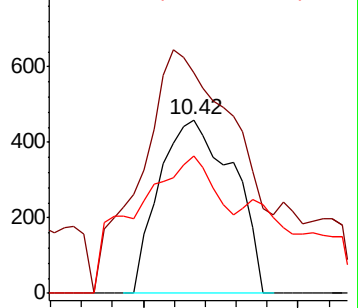
39 92.6 26.2 39.4#



Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0



#59

2-Hexanone

Concen: 3.226 ug/l

RT: 10.60 min Scan# 2744

Delta R.T. -0.15 min

Lab File: VN059240.D

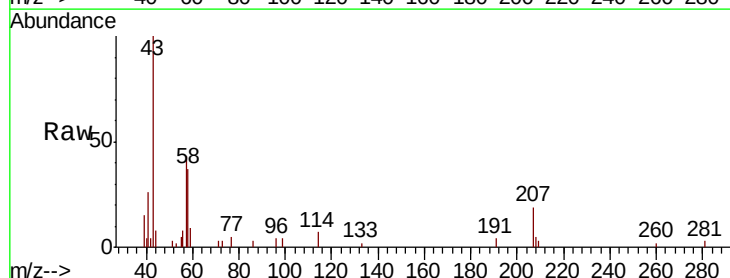
Acq: 14 Nov 2019 17:34

Tgt Ion: 43 Resp: 16847

Ion Ratio Lower Upper

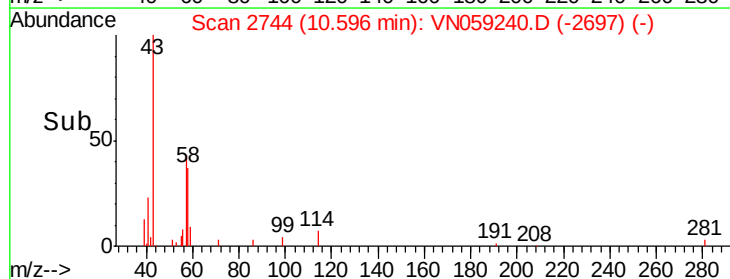
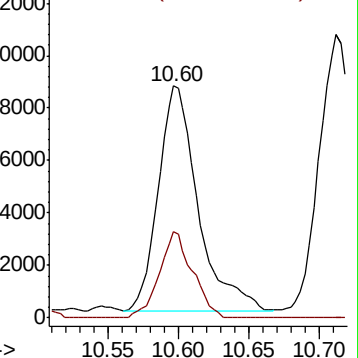
43 100

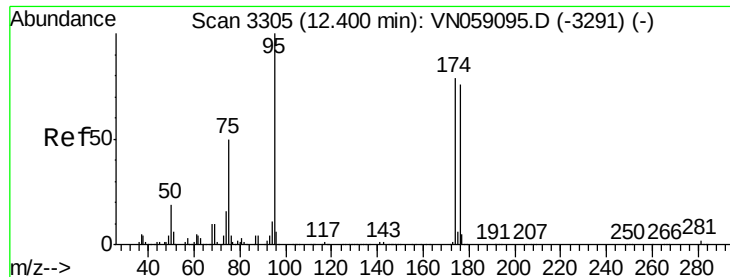
58 32.1 27.3 81.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#62

4-Bromofluorobenzene

Concen: 53.440 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN059240.D

Acq: 14 Nov 2019 17:34

Instrument :

MSVOA_N

ClientSampled :

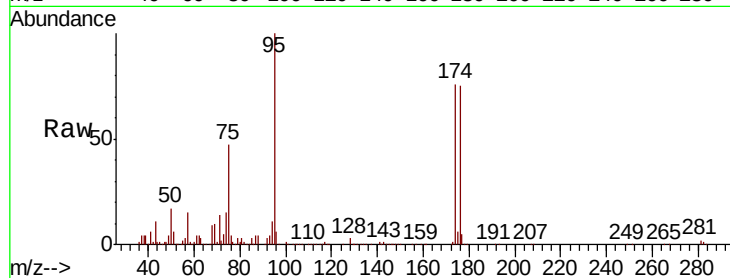
Tot Ion: 95 Resp: 328757

Ion Ratio Lower Upper

95 100

174 76.7 0.0 158.2

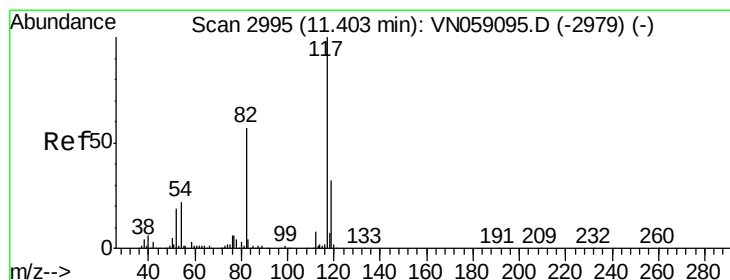
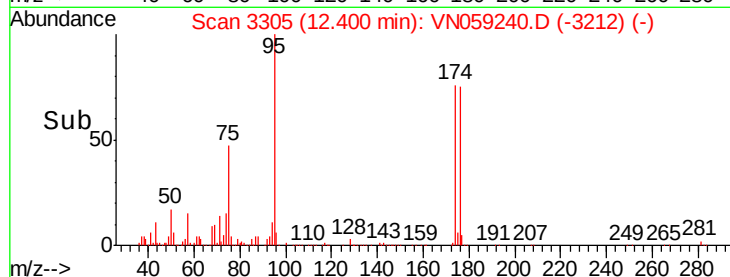
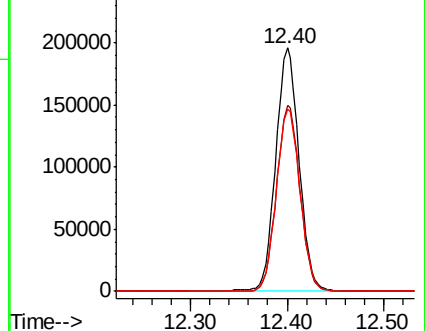
176 75.5 0.0 151.8



Abundance Ion 94.90 (94.60 to 95.60): VN059240.D (-3291) (-)

Ion 173.80 (173.50 to 174.50): VN059240.D (-3291) (-)

Ion 175.80 (175.50 to 176.50): VN059240.D (-3291) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2995

Delta R.T. -0.00 min

Lab File: VN059240.D

Acq: 14 Nov 2019 17:34

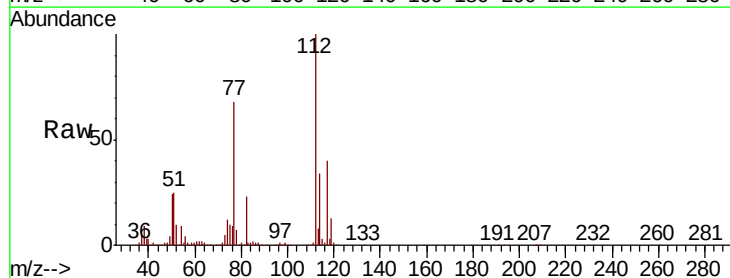
Tgt Ion: 117 Resp: 658970

Ion Ratio Lower Upper

117 100

82 57.4 45.8 68.8

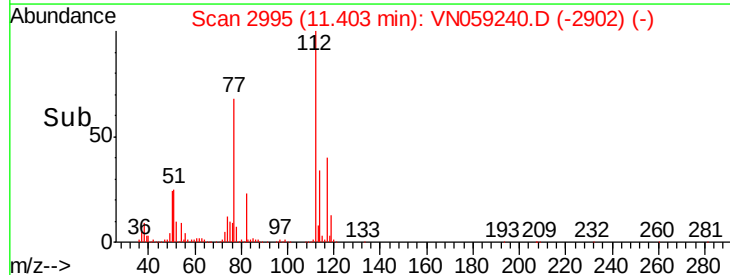
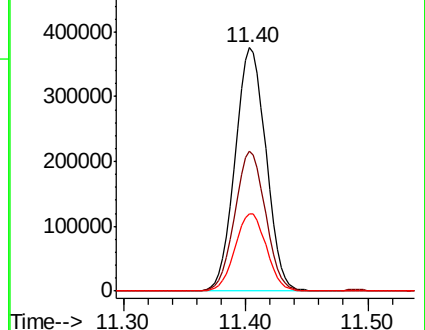
119 32.0 25.8 38.6

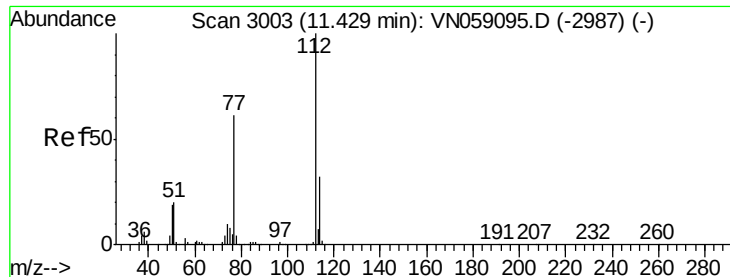


Abundance Ion 116.90 (116.60 to 117.60): VN059240.D (-2979) (-)

Ion 82.00 (81.70 to 82.70): VN059240.D (-2979) (-)

Ion 118.90 (118.60 to 119.60): VN059240.D (-2979) (-)

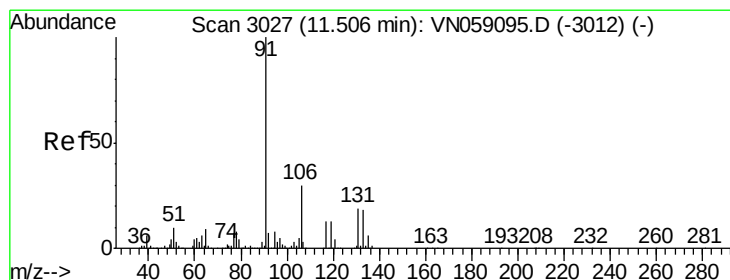
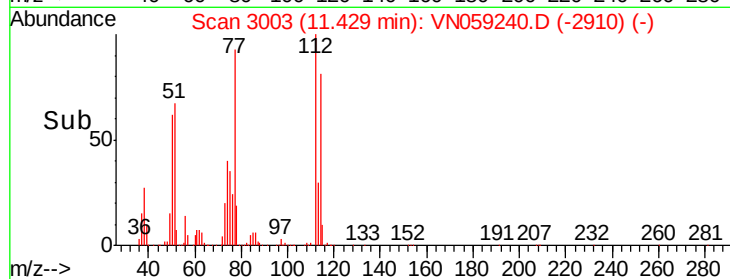
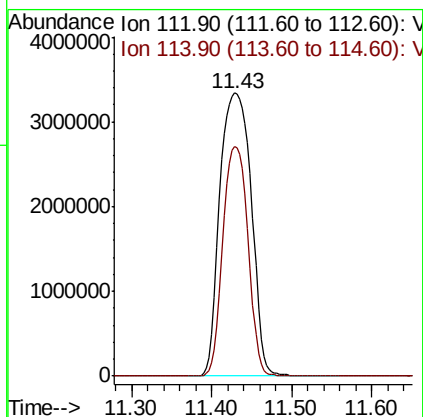
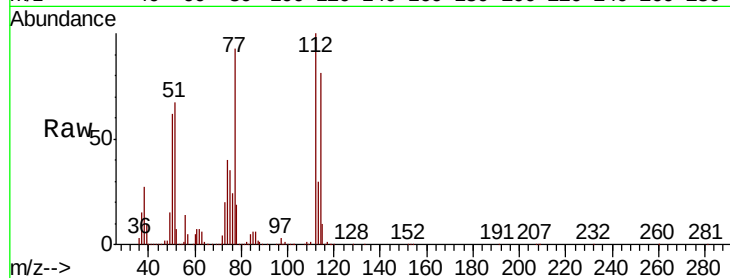




#65
Chlorobenzene
Concen: 701.913 ug/l
RT: 11.43 min Scan# 3003
Delta R.T. -0.00 min
Lab File: VN059240.D
Acq: 14 Nov 2019 17:34

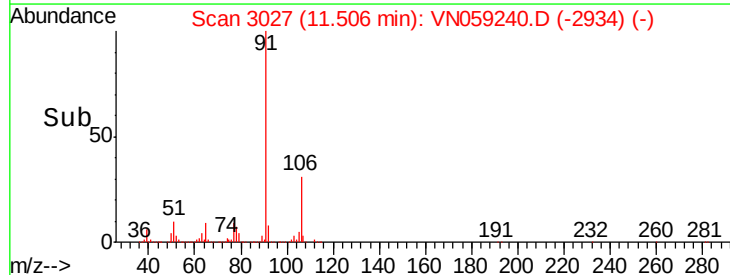
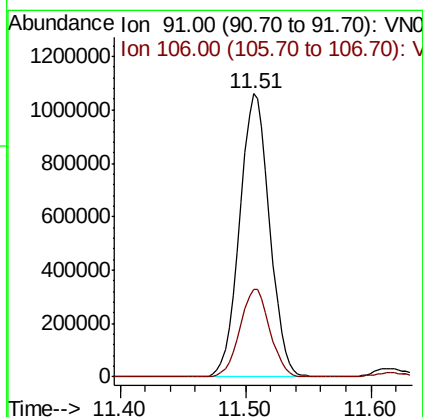
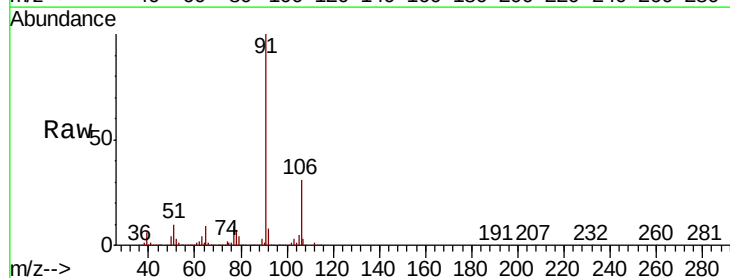
Instrument :
MSVOA_N
ClientSampleId :

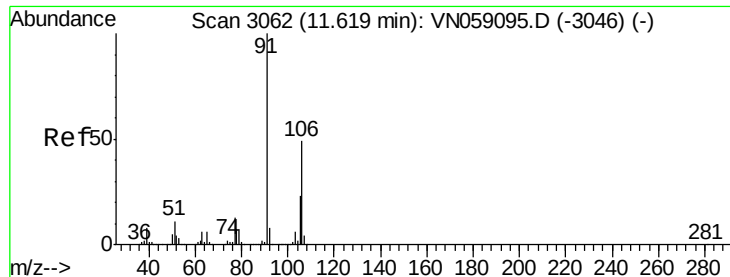
Tot Ion:112 Resp: 9016706
Ion Ratio Lower Upper
112 100
114 81.2 25.2 37.8#



#67
Ethyl Benzene
Concen: 77.065 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN059240.D
Acq: 14 Nov 2019 17:34

Tgt Ion: 91 Resp: 1756433
Ion Ratio Lower Upper
91 100
106 31.1 24.1 36.1

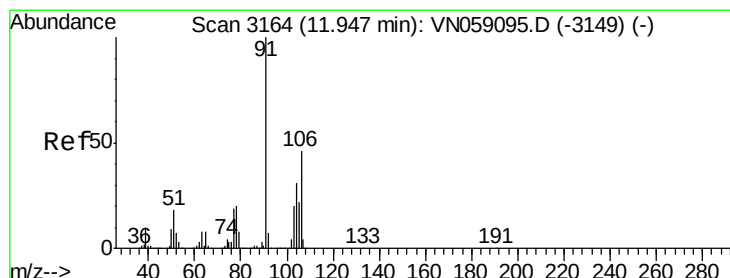
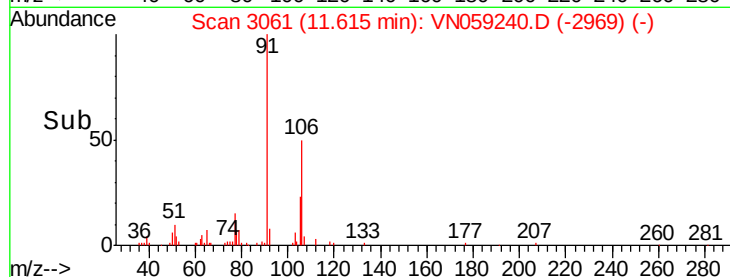
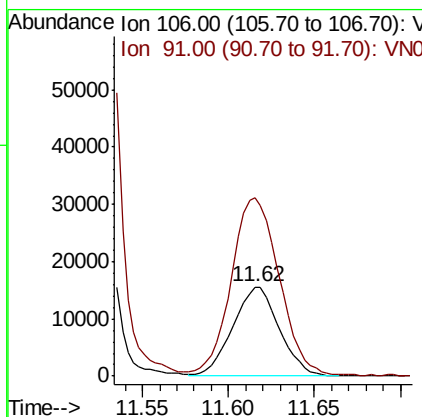
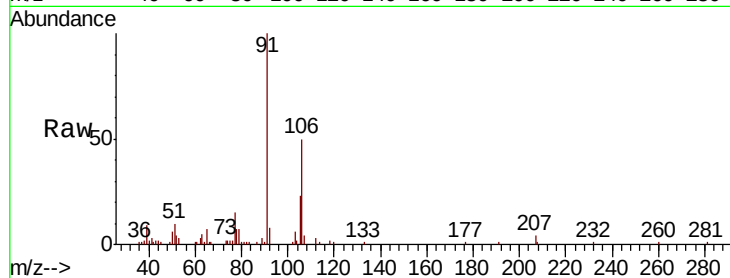




#68
m/p-Xylenes
Concen: 3.442 ug/l
RT: 11.62 min Scan# 3061
Delta R.T. -0.00 min
Lab File: VN059240.D
Acq: 14 Nov 2019 17:34

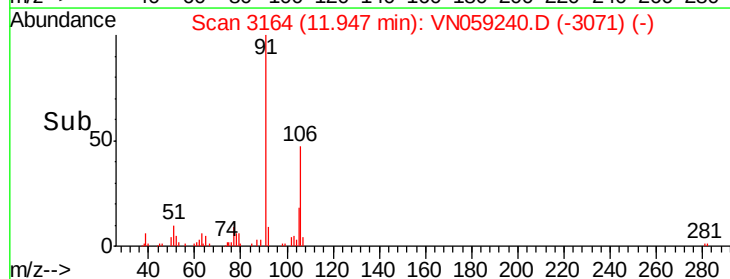
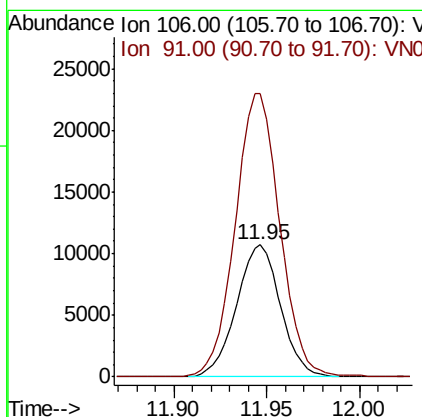
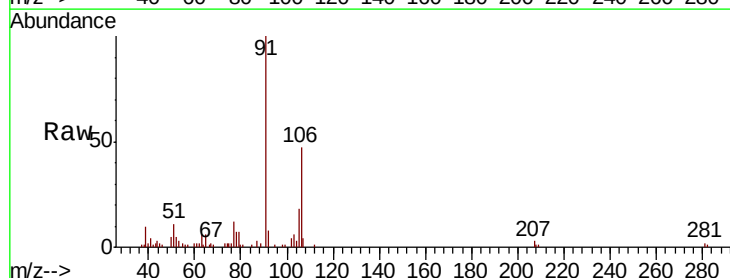
Instrument :
MSVOA_N
ClientSampleId :

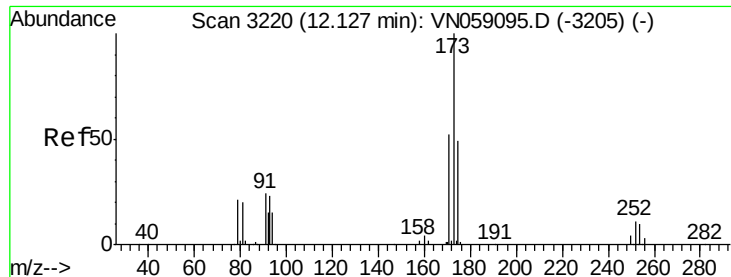
Tot Ion:106 Resp: 29388
Ion Ratio Lower Upper
106 100
91 204.8 164.7 247.1



#69
o-Xylene
Concen: 2.144 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN059240.D
Acq: 14 Nov 2019 17:34

Tgt Ion:106 Resp: 17693
Ion Ratio Lower Upper
106 100
91 217.2 110.1 330.3





#71

Bromoform

Concen: 0.524 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.27 min

Lab File: VN059240.D

Acq: 14 Nov 2019 17:34

Instrument :

MSVOA_N

ClientSampleId :

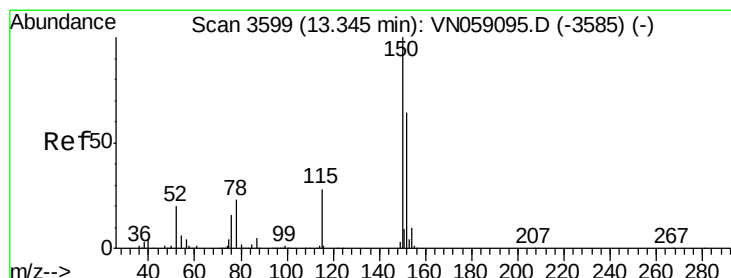
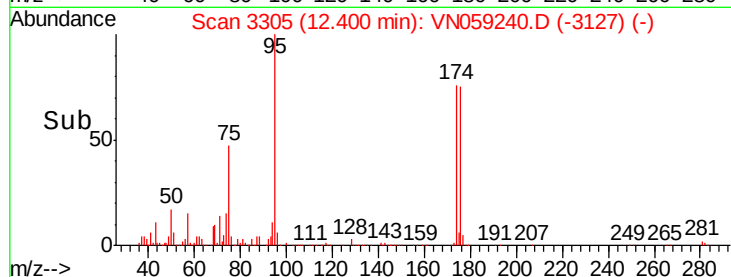
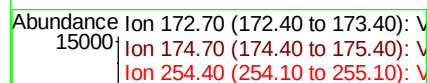
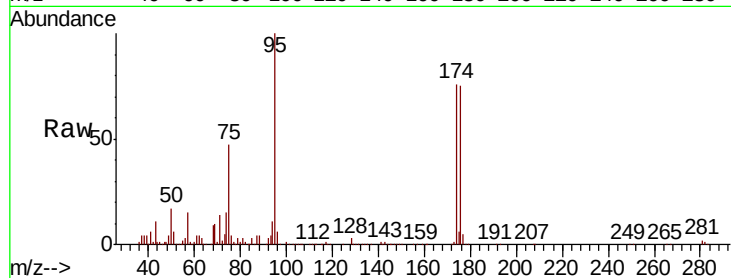
Tot Ion:173 Resp: 1964

Ion Ratio Lower Upper

173 100

175 821.5 24.2 72.6#

254 0.0 0.1 0.1#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN059240.D

Acq: 14 Nov 2019 17:34

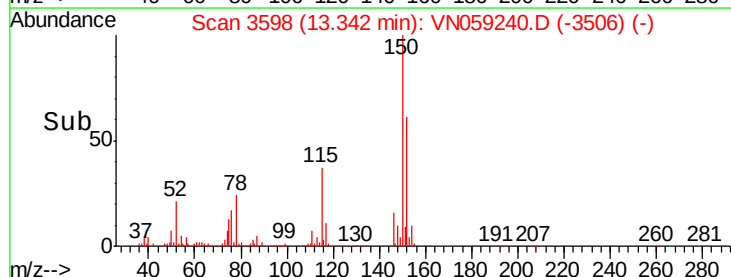
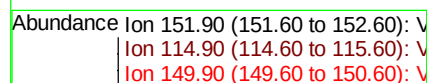
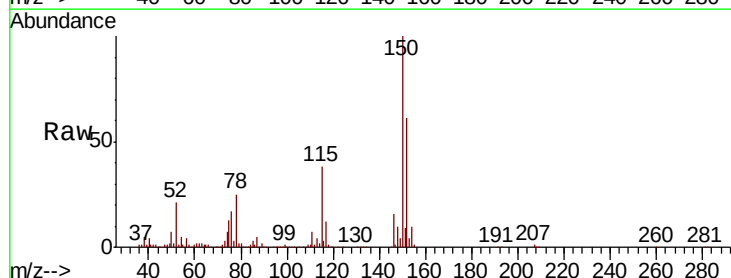
Tgt Ion:152 Resp: 294754

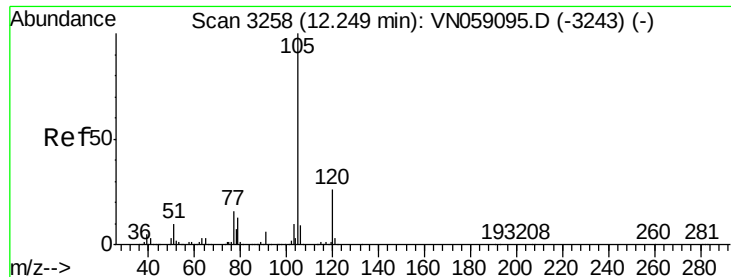
Ion Ratio Lower Upper

152 100

115 61.2 29.4 88.2

150 176.6 0.0 345.8





#73

Isopropylbenzene

Concen: 11.023 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN059240.D

Acq: 14 Nov 2019 17:34

Instrument :

MSVOA_N

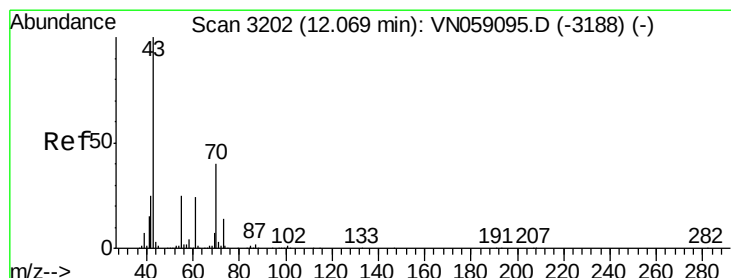
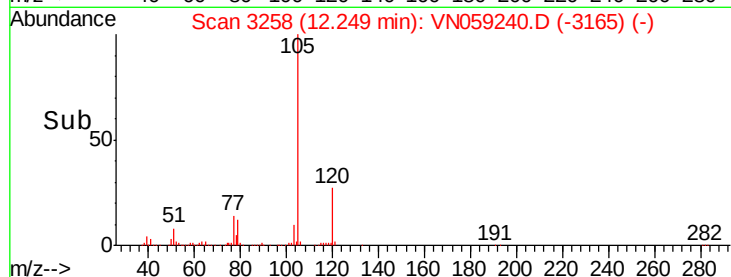
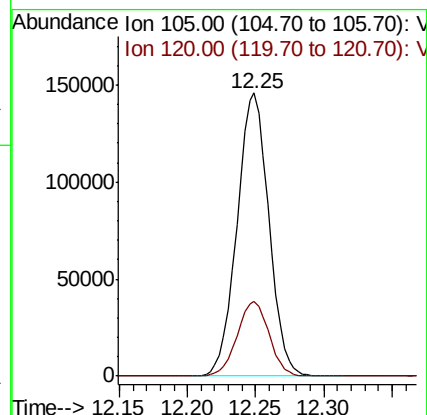
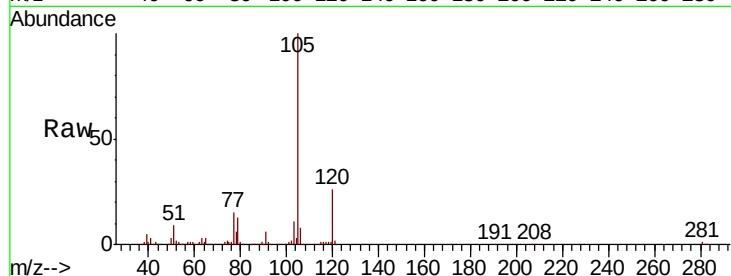
ClientSampleId :

Tot Ion:105 Resp: 236341

Ion Ratio Lower Upper

105 100

120 26.4 13.1 39.3



#74

N-ethyl acetate

Concen: 0.806 ug/l

RT: 12.15 min Scan# 3228

Delta R.T. 0.08 min

Lab File: VN059240.D

Acq: 14 Nov 2019 17:34

Tgt Ion: 43 Resp: 7322

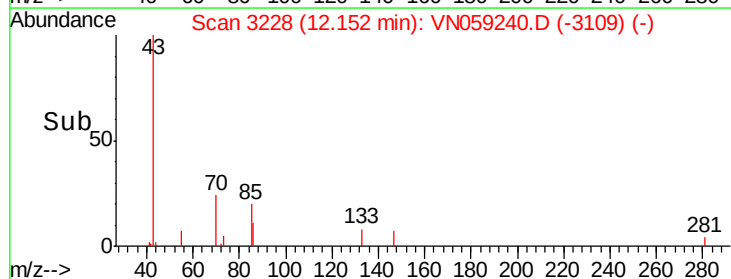
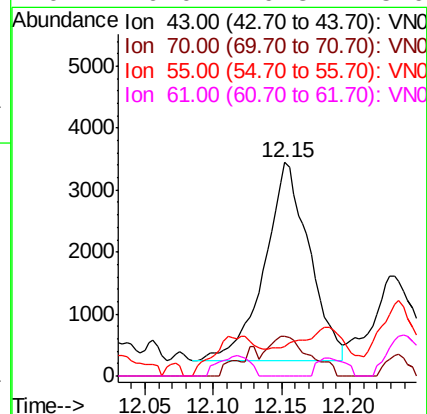
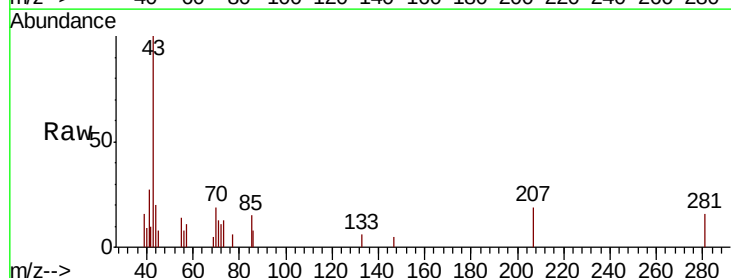
Ion Ratio Lower Upper

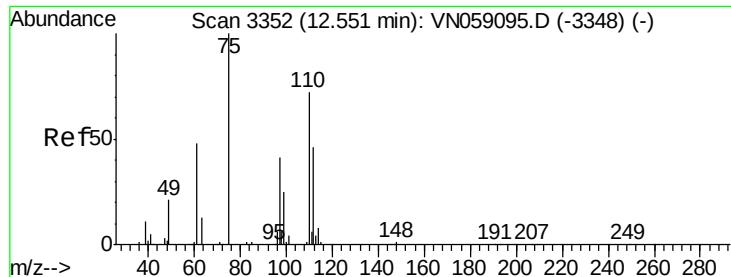
43 100

70 18.6 32.2 48.4#

55 0.0 20.4 30.6#

61 0.0 19.3 28.9#





#76

1,2,3-Trichloropropane

Concen: 23.647 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN059240.D

Acq: 14 Nov 2019 17:34

Instrument :

MSVOA_N

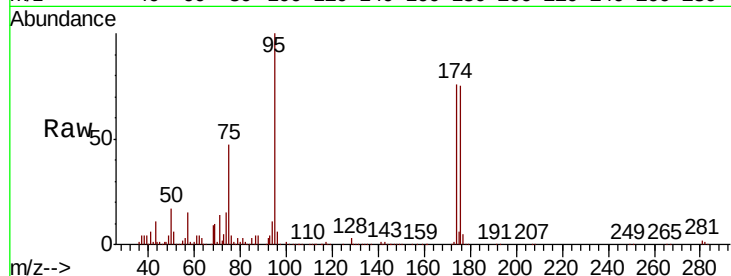
ClientSampleId :

Tot Ion: 75 Resp: 158684

Ion Ratio Lower Upper

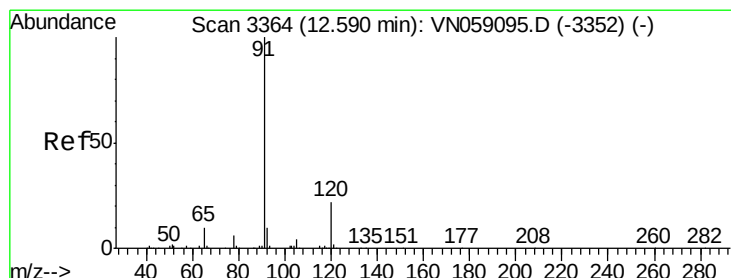
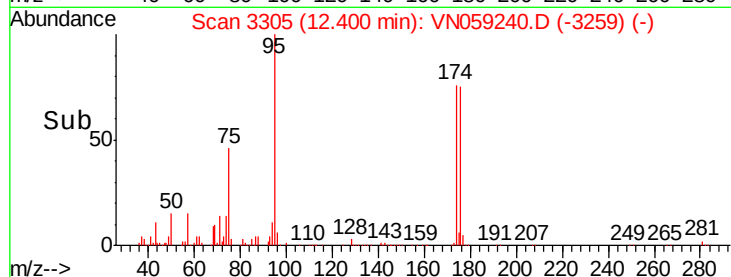
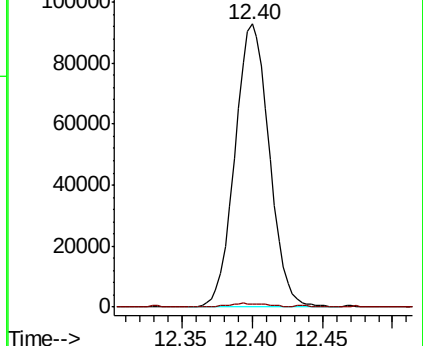
75 100

77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0



#78

n-propylbenzene

Concen: 10.637 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN059240.D

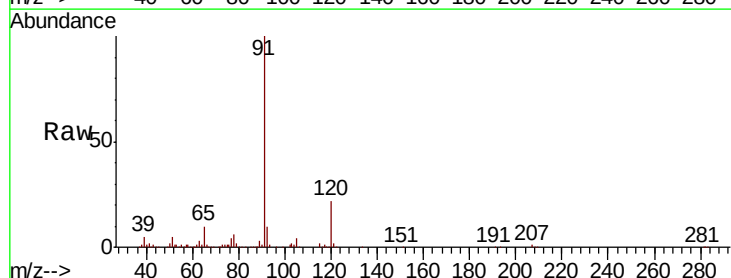
Acq: 14 Nov 2019 17:34

Tgt Ion: 91 Resp: 261130

Ion Ratio Lower Upper

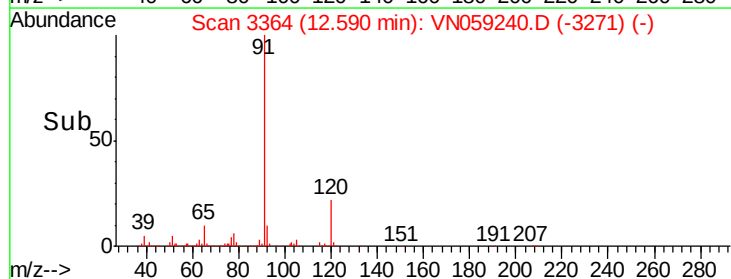
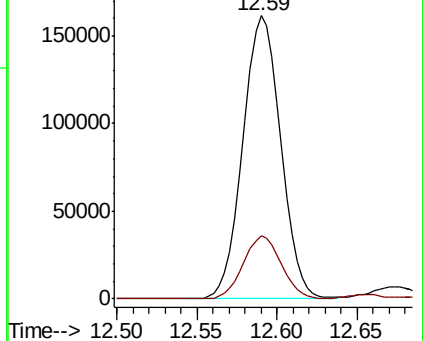
91 100

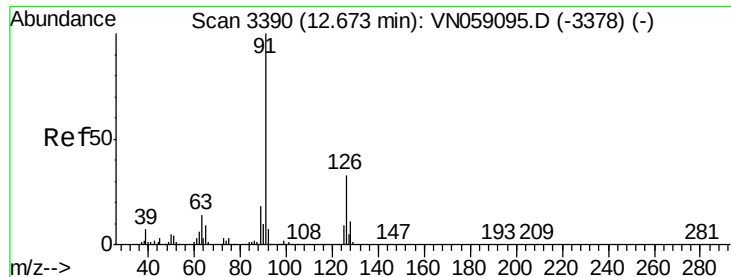
120 22.2 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 0.871 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN059240.D

Acq: 14 Nov 2019 17:34

Instrument :

MSVOA_N

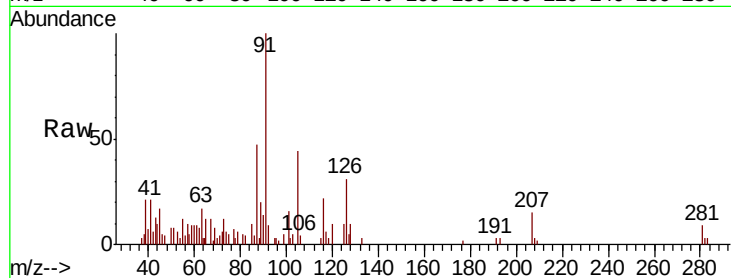
ClientSampleId :

Tot Ion: 91 Resp: 13270

Ion Ratio Lower Upper

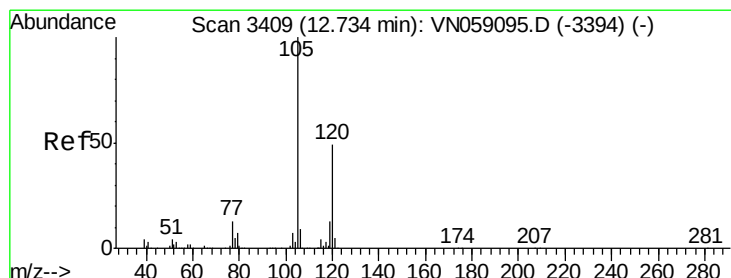
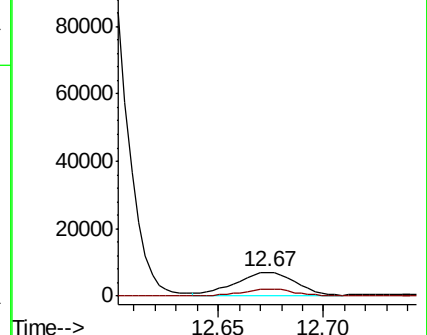
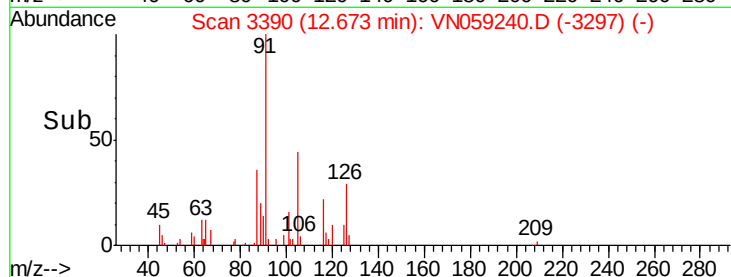
91 100

126 28.7 16.7 50.1



Abundance Ion 91.00 (90.70 to 91.70): VN059240.D (-3378) (-)

Ion 125.90 (125.60 to 126.60): VN059240.D (-3378) (-)



#80

1,3,5-Trimethylbenzene

Concen: 13.079 ug/l

RT: 12.89 min Scan# 3458

Delta R.T. 0.16 min

Lab File: VN059240.D

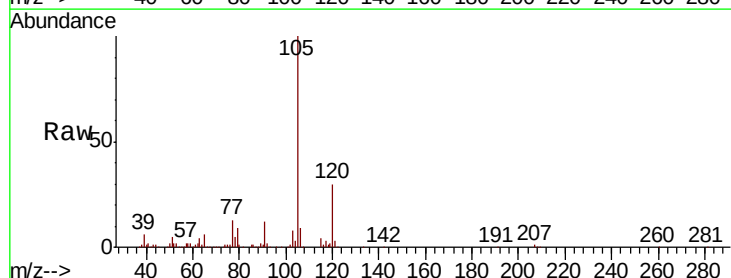
Acq: 14 Nov 2019 17:34

Tgt Ion:105 Resp: 237607

Ion Ratio Lower Upper

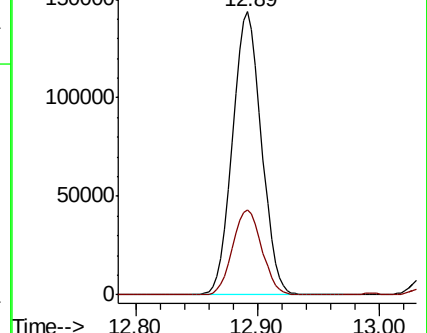
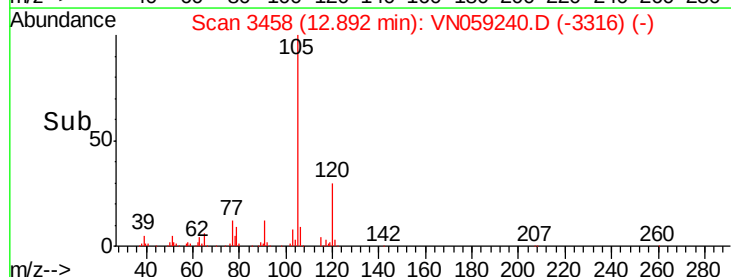
105 100

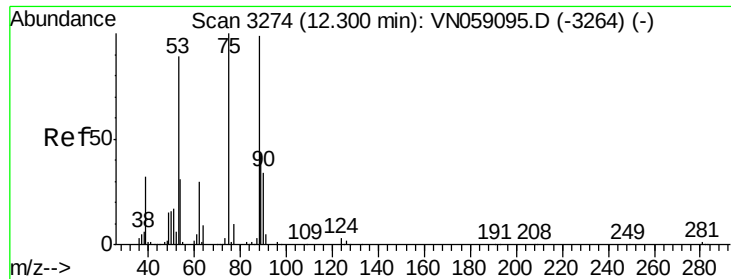
120 30.4 24.0 72.0



Abundance Ion 105.00 (104.70 to 105.70): VN059240.D (-3394) (-)

Ion 120.00 (119.70 to 120.70): VN059240.D (-3394) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 62.458 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN059240.D

Acq: 14 Nov 2019 17:34

Instrument :

MSVOA_N

ClientSampled :

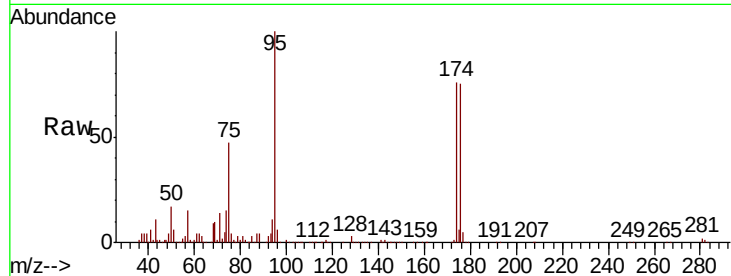
Tot Ion: 75 Resp: 158684

Ion Ratio Lower Upper

75 100

53 0.8 72.2 108.2#

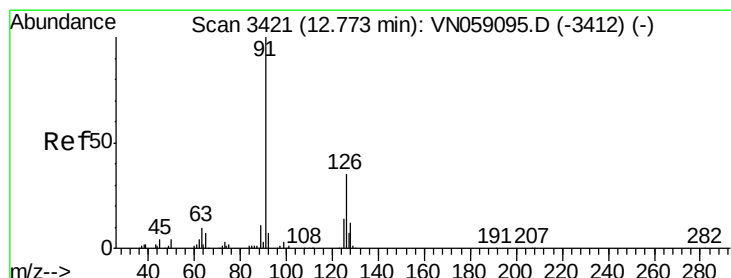
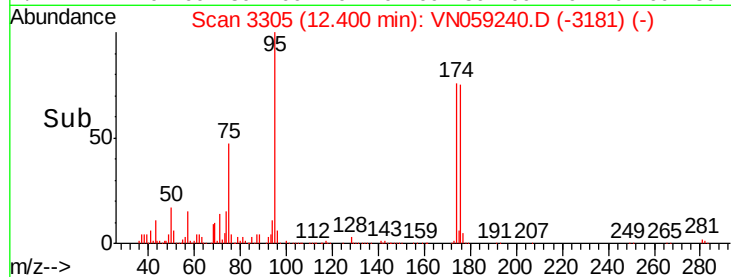
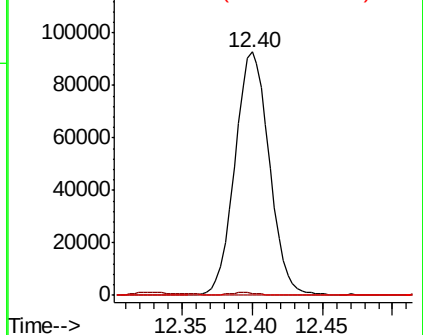
89 0.0 35.8 53.8#



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: 0.869 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.10 min

Lab File: VN059240.D

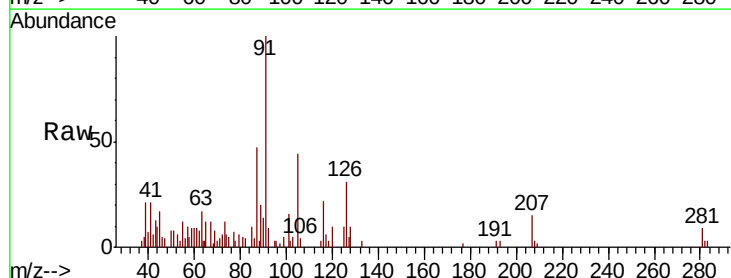
Acq: 14 Nov 2019 17:34

Tgt Ion: 91 Resp: 13270

Ion Ratio Lower Upper

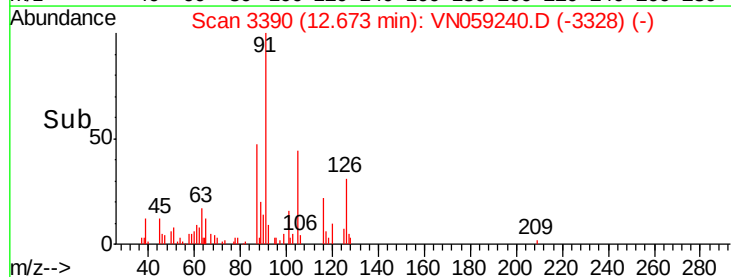
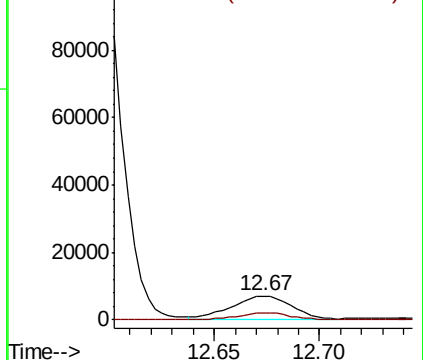
91 100

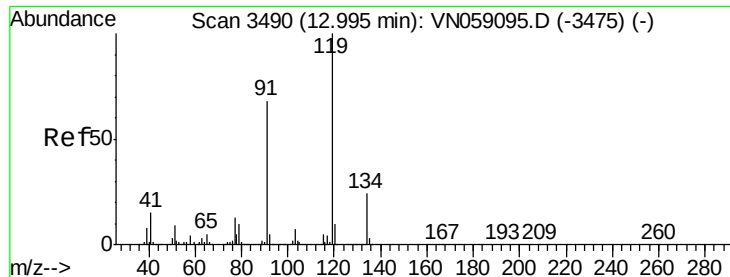
126 28.7 16.1 48.2



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

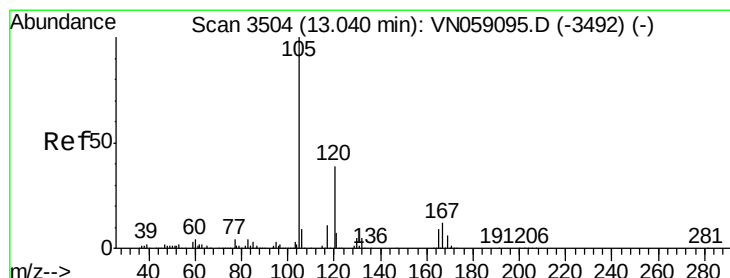
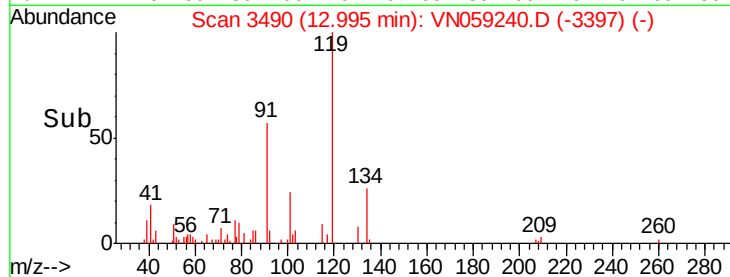
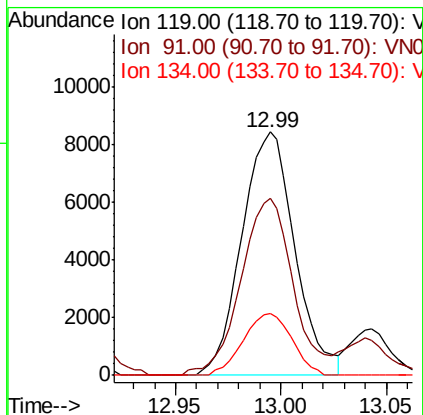
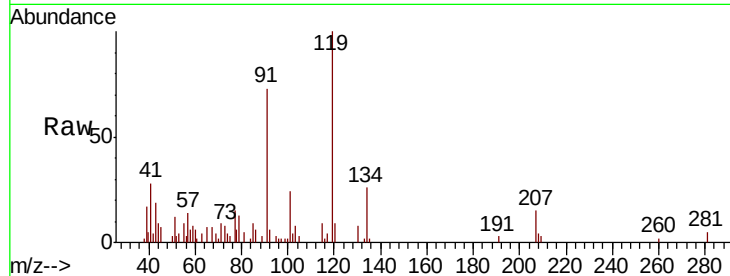




#83
 tert-Butylbenzene
 Concen: 0.940 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. -0.00 min
 Lab File: VN059240.D
 Acq: 14 Nov 2019 17:34

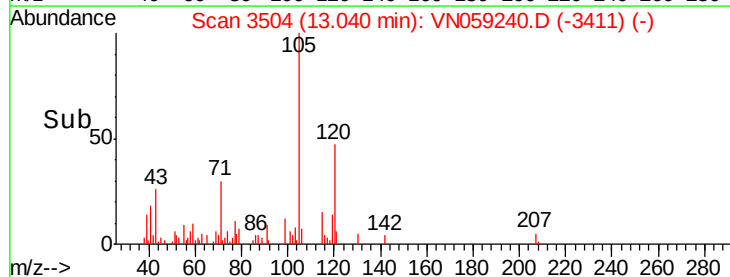
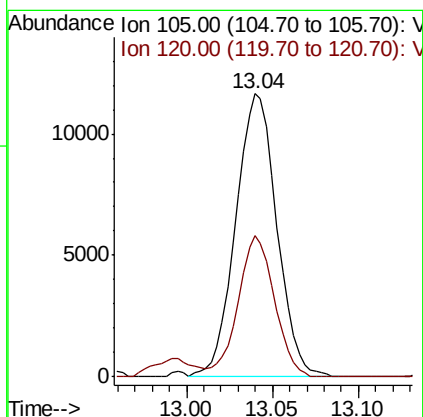
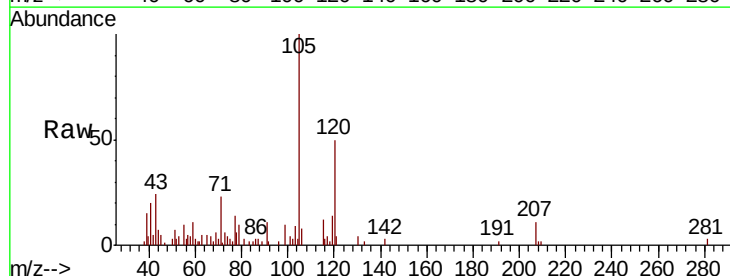
Instrument :
 MSVOA_N
 ClientSampled :

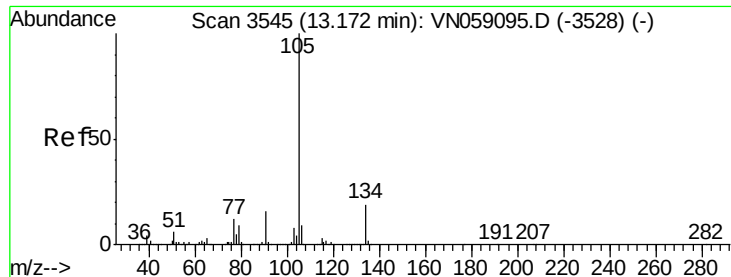
Tot Ion:119 Resp: 14755
 Ion Ratio Lower Upper
 119 100
 91 71.4 33.2 99.6
 134 23.3 12.7 38.1



#84
 1,2,4-Trimethylbenzene
 Concen: 1.105 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN059240.D
 Acq: 14 Nov 2019 17:34

Tgt Ion:105 Resp: 19416
 Ion Ratio Lower Upper
 105 100
 120 43.9 22.8 68.4





#85

sec-Butylbenzene

Concen: 2.403 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN059240.D

Acq: 14 Nov 2019 17:34

Instrument :

MSVOA_N

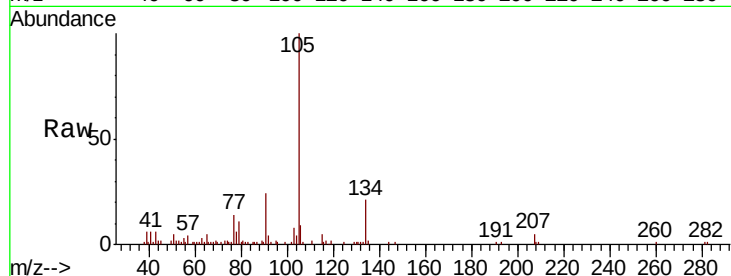
ClientSampleId :

Tot Ion:105 Resp: 49025

Ion Ratio Lower Upper

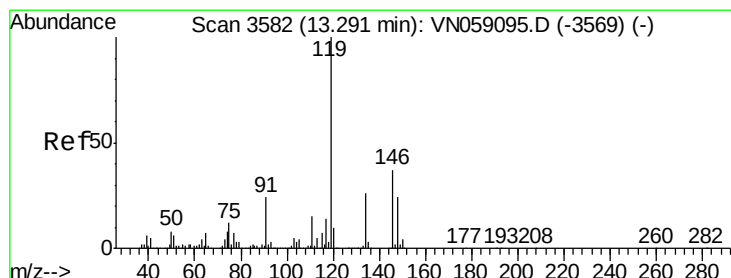
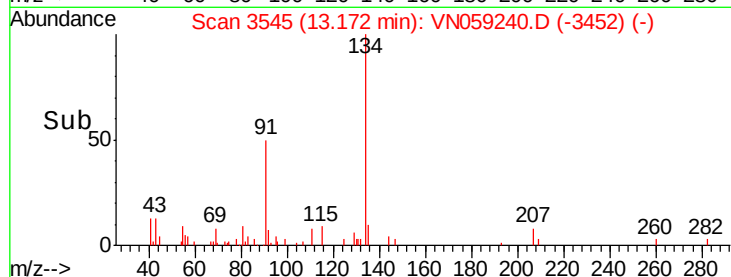
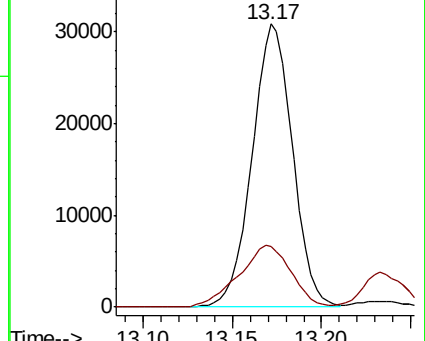
105 100

134 27.9 9.7 29.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 1.219 ug/l

RT: 13.24 min Scan# 3565

Delta R.T. -0.05 min

Lab File: VN059240.D

Acq: 14 Nov 2019 17:34

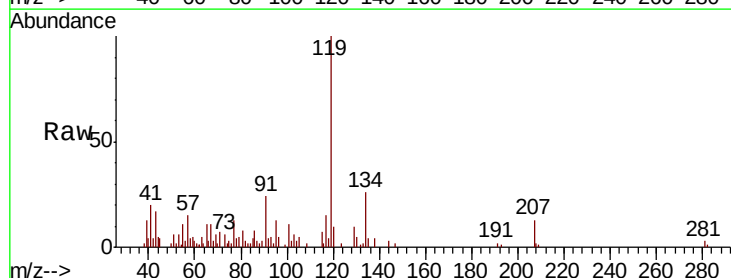
Tgt Ion:119 Resp: 21968

Ion Ratio Lower Upper

119 100

134 28.2 13.0 38.9

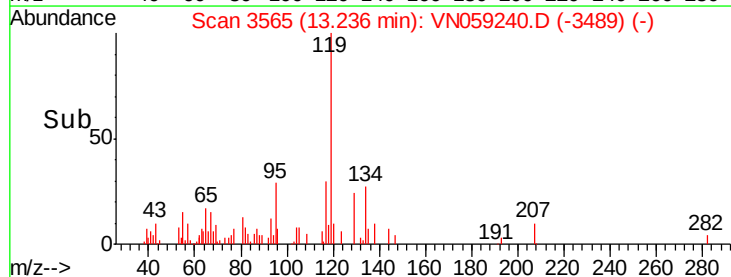
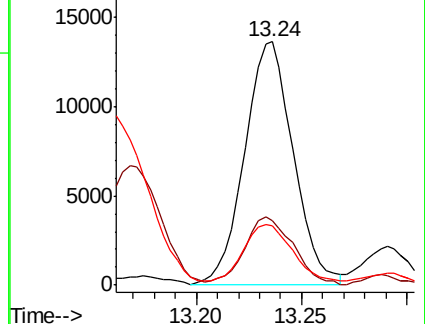
91 22.9 11.7 35.1

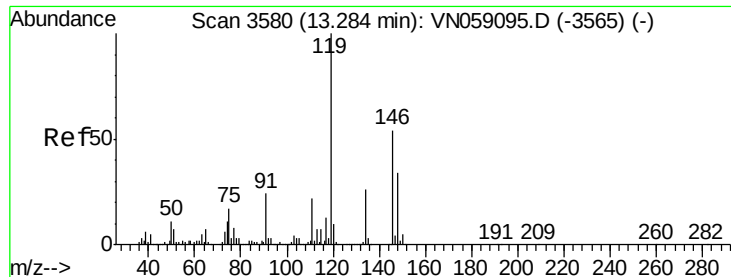


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

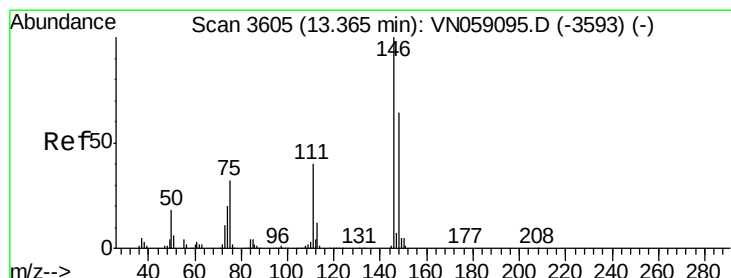
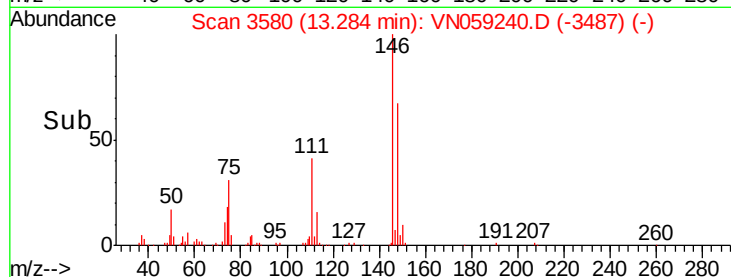
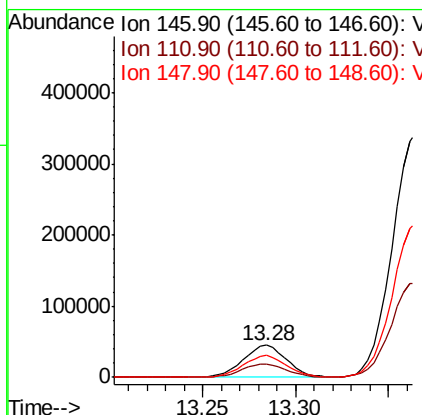
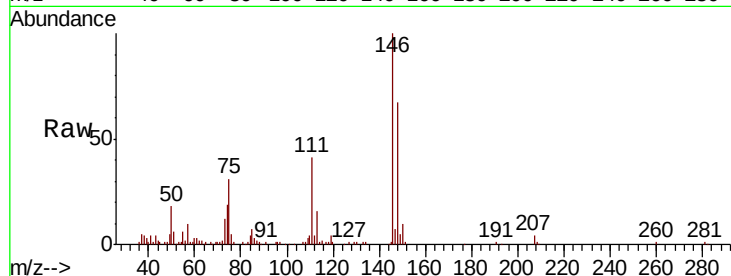




#87
 1,3-Dichlorobenzene
 Concen: 8.026 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. -0.00 min
 Lab File: VN059240.D
 Acq: 14 Nov 2019 17:34

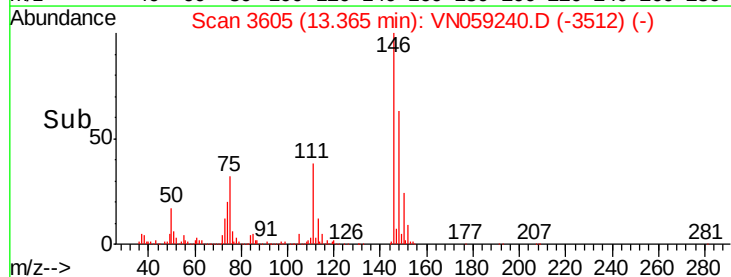
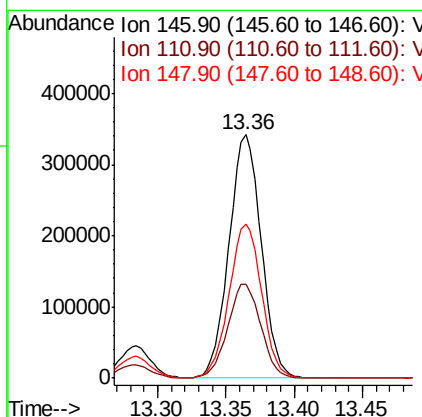
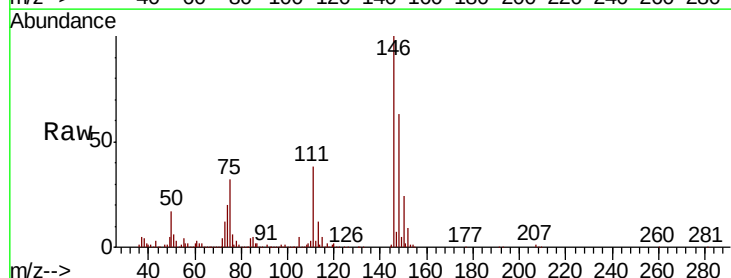
Instrument :
 MSVOA_N
 ClientSampled :

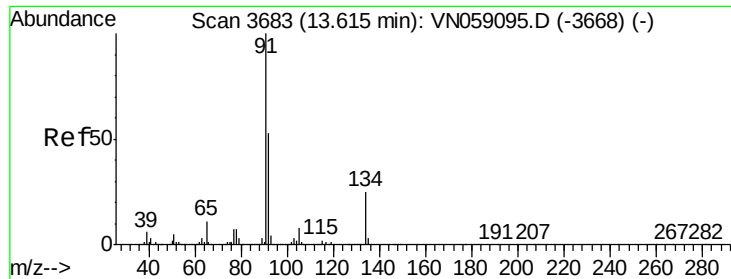
Tot Ion	Ratio	Lower	Upper
146	100		
111	42.3	20.4	61.3
148	66.6	32.2	96.6



#88
 1,4-Dichlorobenzene
 Concen: 60.718 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. -0.00 min
 Lab File: VN059240.D
 Acq: 14 Nov 2019 17:34

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.6	20.3	60.9
148	63.6	31.9	95.7





#89

n-Butylbenzene

Concen: 0.530 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. -0.00 min

Lab File: VN059240.D

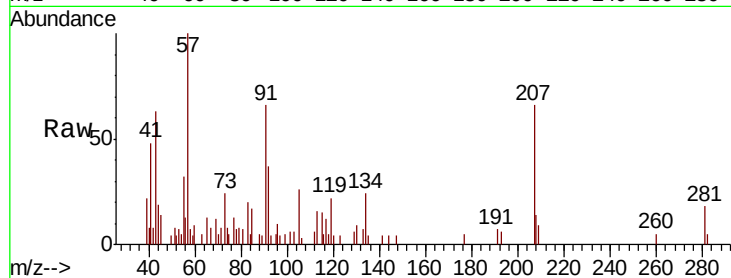
Acq: 14 Nov 2019 17:34

Instrument :

MSVOA_N

ClientSampled :

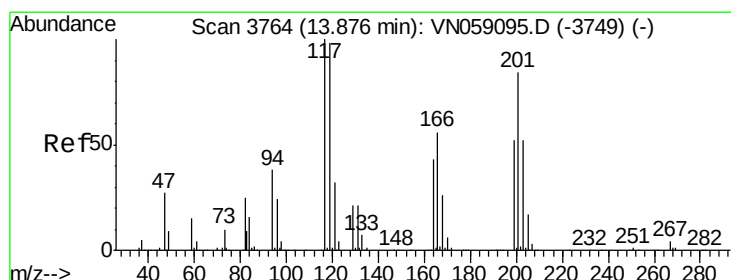
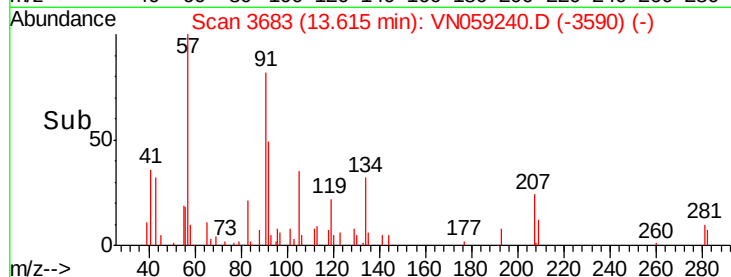
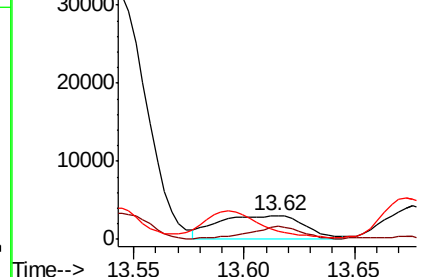
Tot Ion	Ratio	Lower	Upper
91	100		
92	33.5	26.1	78.3
134	0.0	12.6	37.8



Abundance Ion 91.00 (90.70 to 91.70): VN059240.D (-3668) (-)

Ion 92.00 (91.70 to 92.70): VN059240.D (-3668) (-)

Ion 134.00 (133.70 to 134.70): VN059240.D (-3668) (-)



#90

Hexachloroethane

Concen: 9.311 ug/l

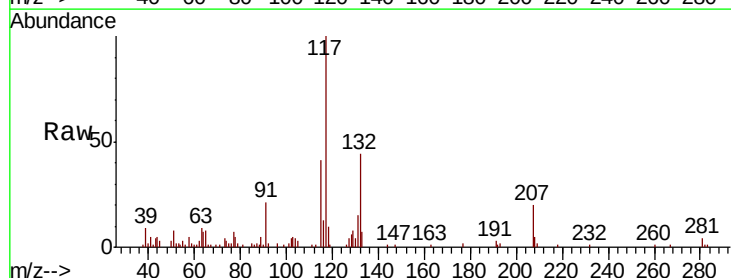
RT: 13.95 min Scan# 3786

Delta R.T. 0.07 min

Lab File: VN059240.D

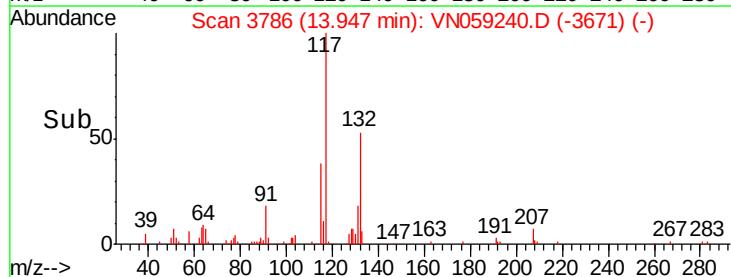
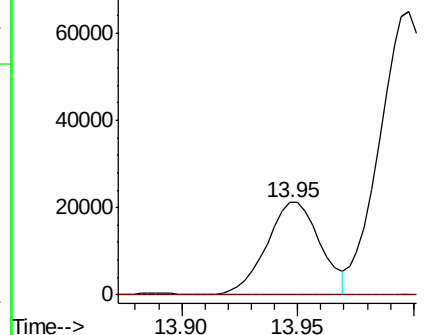
Acq: 14 Nov 2019 17:34

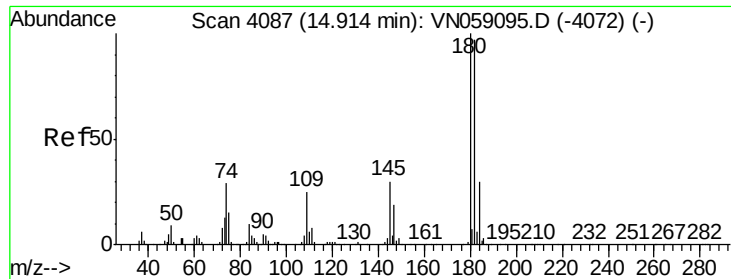
Tgt Ion	Ratio	Lower	Upper
117	100		
201	0.0	41.8	125.3



Abundance Ion 116.80 (116.50 to 117.50): VN059240.D (-3749) (-)

Ion 200.70 (200.40 to 201.40): VN059240.D (-3749) (-)

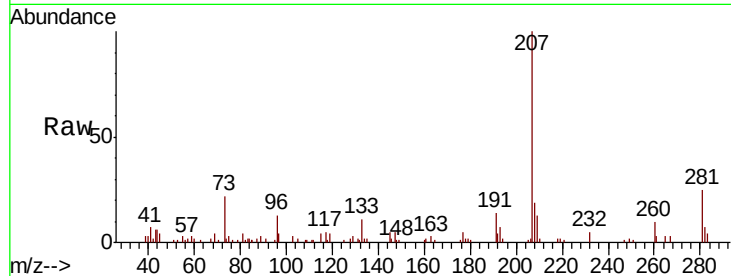




#93
 1,2,4-Trichlorobenzene
 Concen: 3.057 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN059240.D
 Acq: 14 Nov 2019 17:34

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	0.0	48.1	144.3#
145	0.0	15.1	45.3#

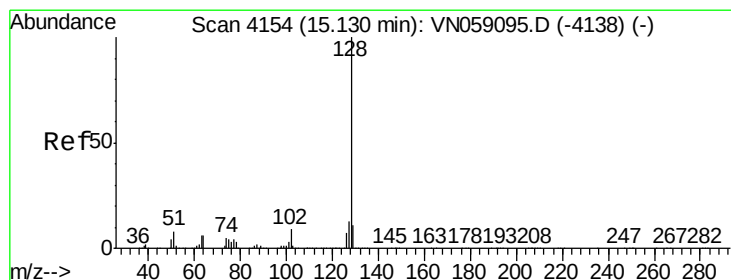
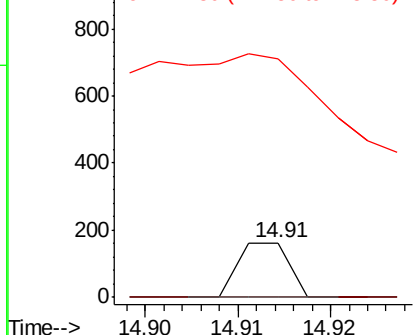
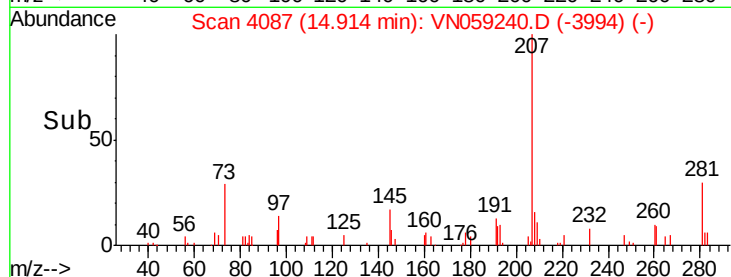


Abundance

Ion 179.80 (179.50 to 180.50): V

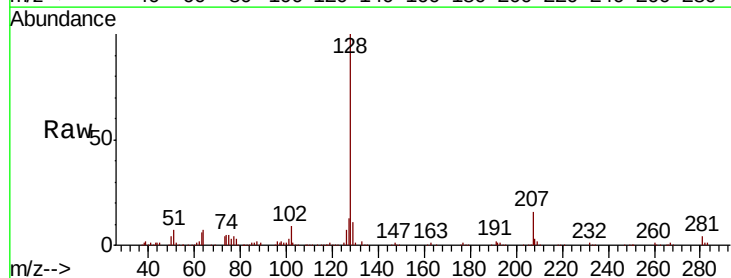
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#95
 Naphthalene
 Concen: 15.030 ug/l
 RT: 15.13 min Scan# 4153
 Delta R.T. -0.00 min
 Lab File: VN059240.D
 Acq: 14 Nov 2019 17:34

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.2	15.2
129	11.1	8.6	12.8



Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

