

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121319\
 Data File : VN059592.D
 Acq On : 13 Dec 2019 18:34
 Operator : JC/SP
 Sample : VSTDIC001
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 13 22:34:25 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121319W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 13 22:31:32 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	246200	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	401716	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	350704	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	147265	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.01	65	3850	1.09	ug/l	0.00
Spiked Amount			Recovery	=	2.18%	
35) Dibromofluoromethane	7.56	113	2603	1.07	ug/l	0.00
Spiked Amount			Recovery	=	2.14%	
50) Toluene-d8	10.08	98	10136	1.01	ug/l	0.00
Spiked Amount			Recovery	=	2.02%	
62) 4-Bromofluorobenzene	12.40	95	3804	1.05	ug/l	0.00
Spiked Amount			Recovery	=	2.10%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	3348	1.144	ug/l	97
3) Chloromethane	2.04	50	5744	1.282	ug/l	100
4) Vinyl Chloride	2.17	62	5049	1.155	ug/l	94
5) Bromomethane	2.53	94	3642	1.363	ug/l	92
6) Chloroethane	2.68	64	2911	1.122	ug/l	97
7) Trichlorofluoromethane	2.99	101	5342	1.026	ug/l	98
8) Diethyl Ether	3.39	74	1488	0.840	ug/l	74
9) 1,1,2-Trichlorotrifluoroet	3.73	101	2660	0.990	ug/l	96
10) Methyl Iodide	3.92	142	3083	0.839	ug/l #	90
11) Tert butyl alcohol	4.75	59	1266	2.120	ug/l #	72
12) 1,1-Dichloroethene	3.72	96	2707	1.030	ug/l #	76
13) Acrolein	3.58	56	2229	6.546	ug/l #	77
14) Allyl chloride	4.29	41	6095	1.209	ug/l #	92
15) Acrylonitrile	4.96	53	7009	4.555	ug/l	98
16) Acetone	3.80	43	12353	7.108	ug/l	90
17) Carbon Disulfide	4.02	76	12242	1.269	ug/l	99
18) Methyl Acetate	4.30	43	4908	1.134	ug/l #	83
19) Methyl tert-butyl Ether	5.02	73	8647	0.991	ug/l	100
20) Methylene Chloride	4.52	84	3376	1.014	ug/l #	90
21) trans-1,2-Dichloroethene	5.01	96	3135	1.116	ug/l	94
22) Diisopropyl ether	5.92	45	8951	0.933	ug/l #	73
23) Vinyl Acetate	5.87	43	31849	4.010	ug/l	99
24) 1,1-Dichloroethane	5.82	63	5329	0.978	ug/l #	85
25) 2-Butanone	6.82	43	11887	5.273	ug/l	96
26) 2,2-Dichloropropane	6.79	77	2489	0.505	ug/l #	71
27) cis-1,2-Dichloroethene	6.81	96	2997	0.947	ug/l	89
28) Bromochloromethane	7.17	49	569	0.321	ug/l #	69
29) Tetrahydrofuran	7.20	42	7428	4.829	ug/l	94
30) Chloroform	7.35	83	5184	0.964	ug/l	99
31) Cyclohexane	7.64	56	10423	1.967	ug/l #	47
32) 1,1,1-Trichloroethane	7.55	97	5004	1.049	ug/l #	51
36) 1,1-Dichloropropene	7.77	75	3834	0.916	ug/l	96
37) Ethyl Acetate	6.91	43	4908	1.125	ug/l #	69
38) Carbon Tetrachloride	7.75	117	4345	1.050	ug/l	98

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Quant Time: Dec 13 22:34:25 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121319W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 13 22:31:32 2019
 Response via : Initial Calibration

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

39) Methylcyclohexane	9.07	83	4378	0.934	ug/l	95
40) Benzene	8.02	78	11915	0.994	ug/l	98
41) Methacrylonitrile	7.15	41	1791	0.891	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	4360	0.975	ug/l	82
43) Isopropyl Acetate	8.15	43	6684	0.922	ug/l #	88
44) Trichloroethene	8.82	130	3264	1.075	ug/l	80
45) 1,2-Dichloropropane	9.10	63	3311	1.044	ug/l #	88
46) Dibromomethane	9.20	93	2113	1.005	ug/l	100
47) Bromodichloromethane	9.39	83	3802	0.912	ug/l #	94
48) Methyl methacrylate	9.19	41	3075	0.966	ug/l	88
49) 1,4-Dioxane	9.19	88	719	16.885	ug/l #	78
51) 4-Methyl-2-Pentanone	9.98	43	19022	4.512	ug/l	100
52) Toluene	10.15	92	7373	1.031	ug/l	96
53) t-1,3-Dichloropropene	10.38	75	4428	0.910	ug/l	90
54) cis-1,3-Dichloropropene	9.83	75	4767	0.956	ug/l	98
55) 1,1,2-Trichloroethane	10.55	97	2807	0.971	ug/l	91
56) Ethyl methacrylate	10.42	69	3281	0.768	ug/l	94
57) 1,3-Dichloropropane	10.70	76	4761	0.963	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.69	63	5801	4.285	ug/l	94
59) 2-Hexanone	10.75	43	13932	4.360	ug/l	98
60) Dibromochloromethane	10.90	129	2832	0.903	ug/l	95
61) 1,2-Dibromoethane	11.00	107	3132	1.042	ug/l	90
64) Tetrachloroethene	10.63	164	3595	1.321	ug/l	95
65) Chlorobenzene	11.43	112	7423	0.991	ug/l	94
66) 1,1,1,2-Tetrachloroethane	11.51	131	2777	0.993	ug/l #	62
67) Ethyl Benzene	11.51	91	13160	0.978	ug/l	97
68) m/p-Xylenes	11.62	106	9304	1.867	ug/l	96
69) o-Xylene	11.95	106	4357	0.936	ug/l	99
70) Styrene	11.96	104	6741	0.875	ug/l	95
71) Bromoform	12.13	173	1725	0.795	ug/l #	96
73) Isopropylbenzene	12.25	105	11401	0.990	ug/l	98
74) N-amyl acetate	12.07	43	4001	0.793	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.51	83	3534	0.920	ug/l	96
76) 1,2,3-Trichloropropane	12.55	75	5483	1.415	ug/l #	100
77) Bromobenzene	12.53	156	3168	1.122	ug/l	96
78) n-propylbenzene	12.59	91	13801	0.986	ug/l	98
79) 2-Chlorotoluene	12.67	91	8836	1.058	ug/l	97
80) 1,3,5-Trimethylbenzene	12.73	105	9332	0.958	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	1417	0.966	ug/l #	91
82) 4-Chlorotoluene	12.77	91	8657	1.017	ug/l	100
83) tert-Butylbenzene	12.99	119	8374	1.033	ug/l	91
84) 1,2,4-Trimethylbenzene	13.04	105	9049	0.942	ug/l	100
85) sec-Butylbenzene	13.17	105	10315	0.929	ug/l	98
86) p-Isopropyltoluene	13.29	119	9226	0.931	ug/l	96
87) 1,3-Dichlorobenzene	13.28	146	5820	1.125	ug/l	95
88) 1,4-Dichlorobenzene	13.28	146	5820	1.151	ug/l	95
89) n-Butylbenzene	13.62	91	9247	0.990	ug/l	93
90) Hexachloroethane	13.88	117	1763	0.963	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	5995	1.230	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.27	75	1671	1.715	ug/l #	53

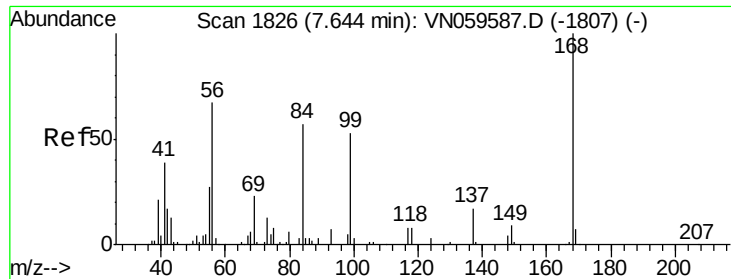
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	3878	1.170	ug/l	98
94) Hexachlorobutadiene	15.01	225	2428	1.451	ug/l	97
95) Naphthalene	15.13	128	12184	1.247	ug/l	99
96) 1,2,3-Trichlorobenzene	15.29	180	4425	1.299	ug/l	95

(#) = 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: VN059592.D

Acq: 13 Dec 2019 18:34

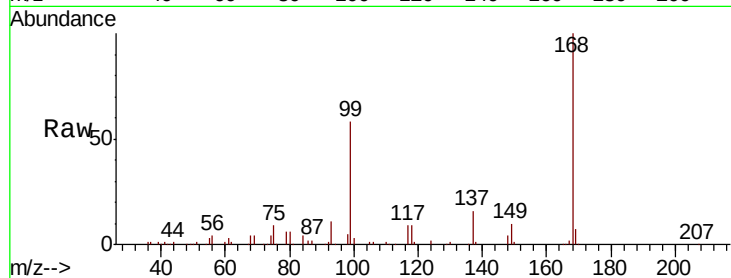
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 246200

Ion Ratio Lower Upper

168 100

99 58.5 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.64

100000

80000

60000

40000

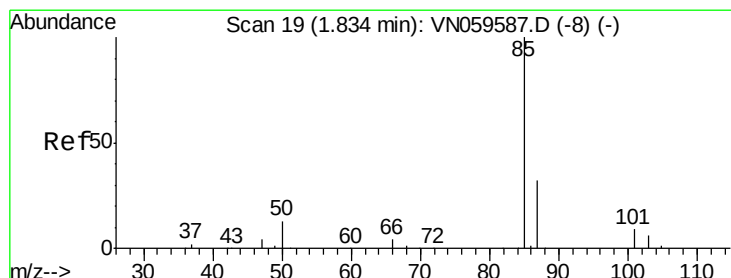
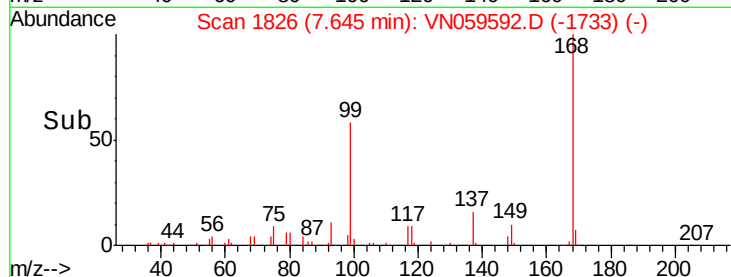
20000

0

7.60

7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 1.144 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN059592.D

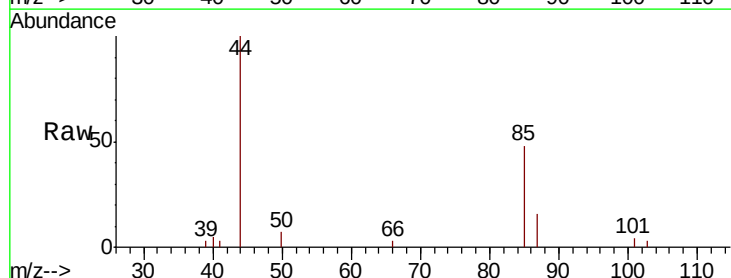
Acq: 13 Dec 2019 18:34

Tgt Ion: 85 Resp: 3348

Ion Ratio Lower Upper

85 100

87 33.6 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

2500

2000

1500

1000

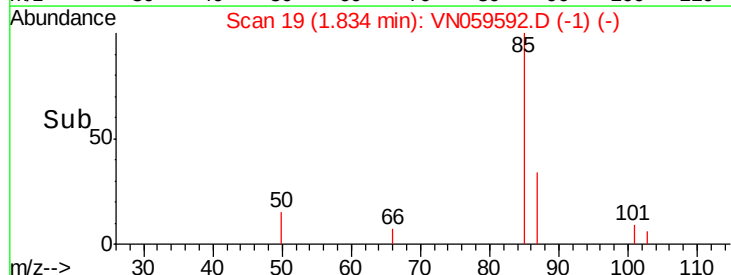
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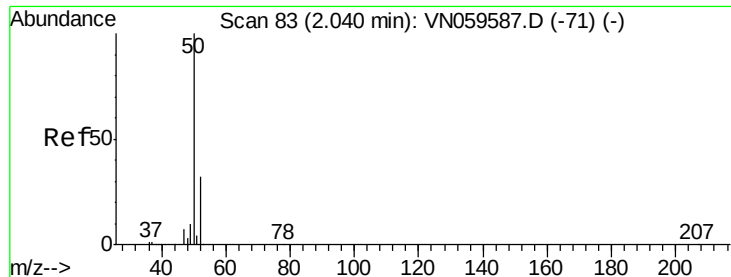
0

1.80

1.85

Time-->





#3

Chloromethane

Concen: 1.282 ug/l

RT: 2.04 min Scan# 82

Delta R.T. -0.00 min

Lab File: VN059592.D

Acq: 13 Dec 2019 18:34

Instrument :

MSVOA_N

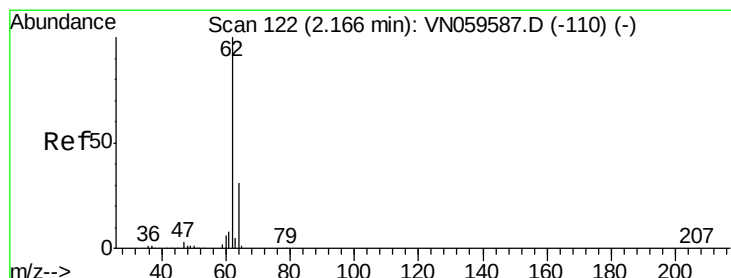
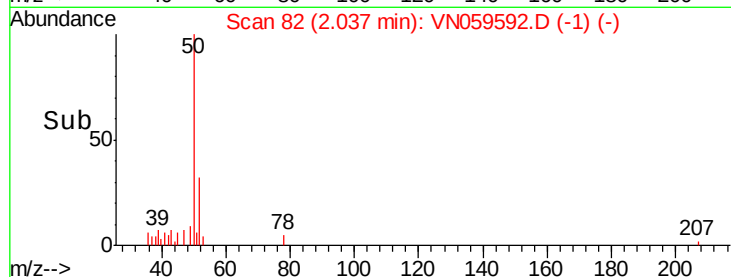
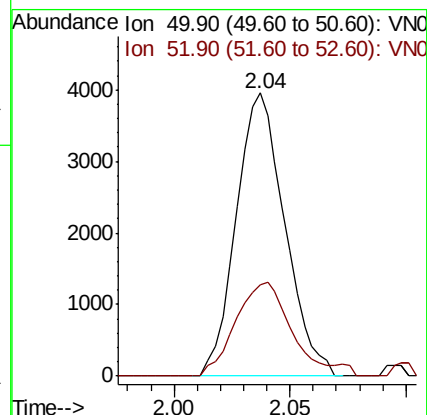
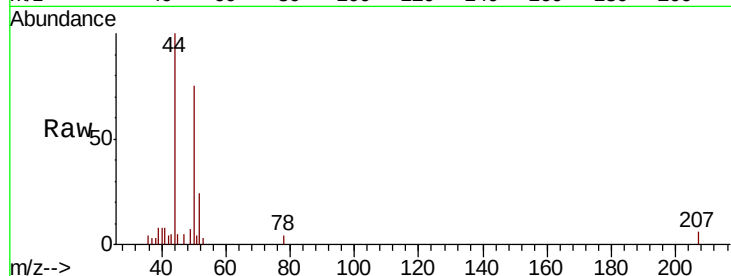
ClientSampled :

Tot Ion: 50 Resp: 5744

Ion Ratio Lower Upper

50 100

52 32.4 25.9 38.9



#4

Vinyl Chloride

Concen: 1.155 ug/l

RT: 2.17 min Scan# 122

Delta R.T. 0.00 min

Lab File: VN059592.D

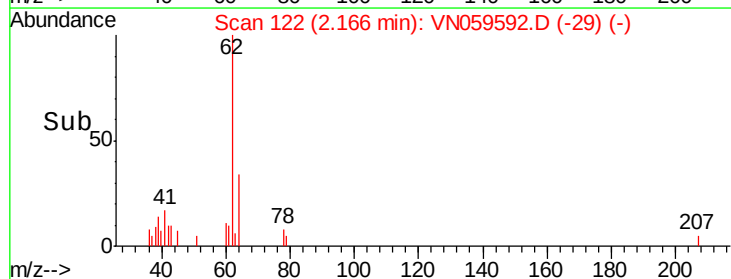
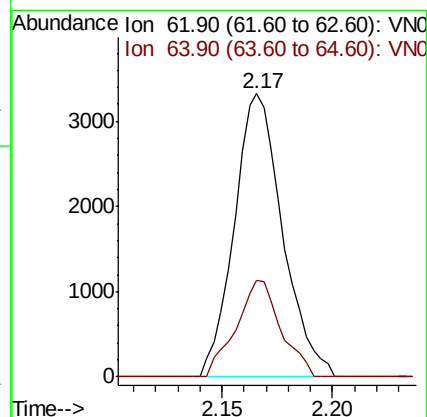
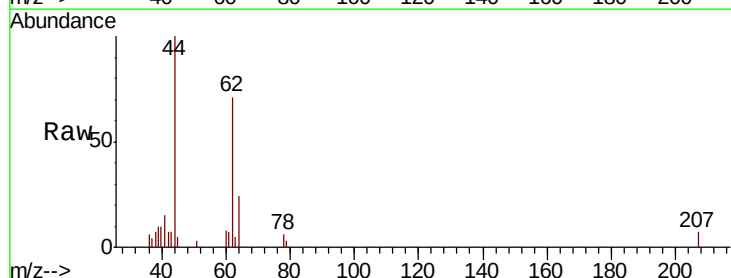
Acq: 13 Dec 2019 18:34

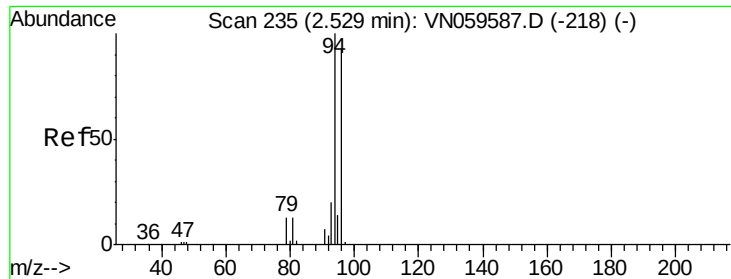
Tgt Ion: 62 Resp: 5049

Ion Ratio Lower Upper

62 100

64 34.2 24.6 37.0





#5

Bromomethane

Concen: 1.363 ug/l

RT: 2.53 min Scan# 236

Delta R.T. 0.00 min

Lab File: VN059592.D

Acq: 13 Dec 2019 18:34

Instrument :

MSVOA_N

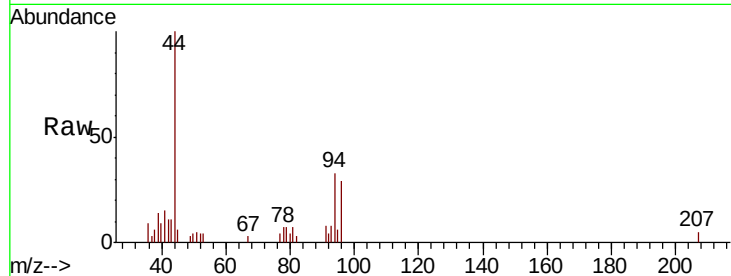
ClientSampled :

Tot Ion: 94 Resp: 3642

Ion Ratio Lower Upper

94 100

96 85.9 74.7 112.1



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2000

1500

1000

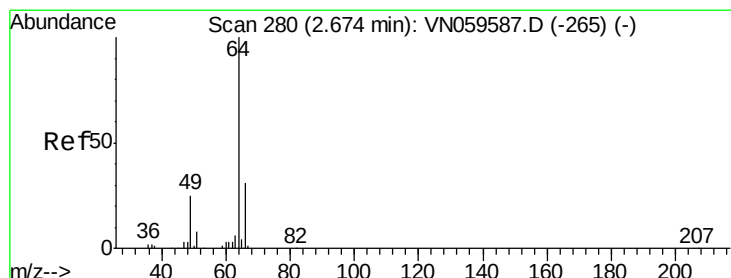
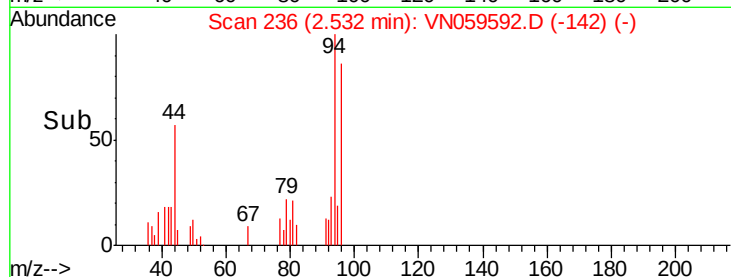
500

0

Time-->

2.50 2.55 2.60

2.53



#6

Chloroethane

Concen: 1.122 ug/l

RT: 2.68 min Scan# 281

Delta R.T. 0.00 min

Lab File: VN059592.D

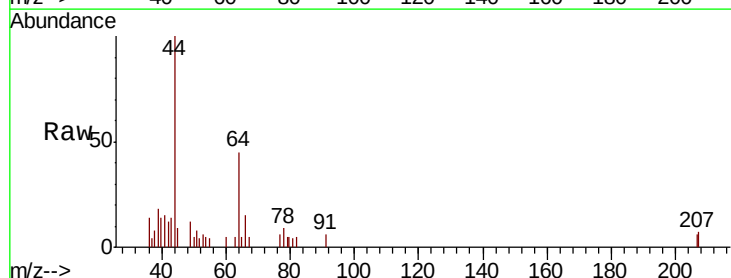
Acq: 13 Dec 2019 18:34

Tgt Ion: 64 Resp: 2911

Ion Ratio Lower Upper

64 100

66 33.1 25.1 37.7



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

1500

1000

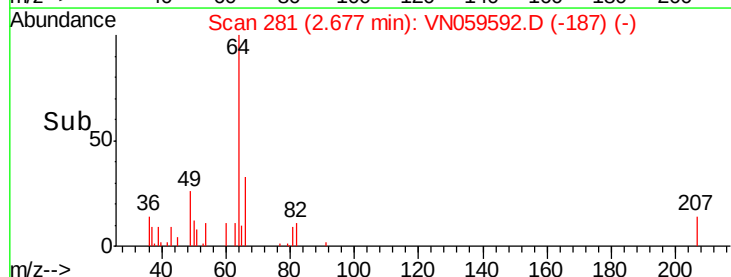
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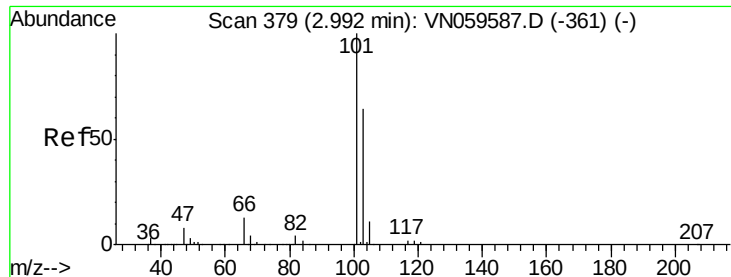
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Time-->

2.65 2.70 2.75

2.68



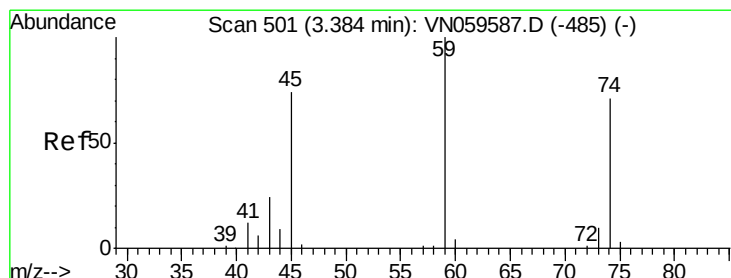
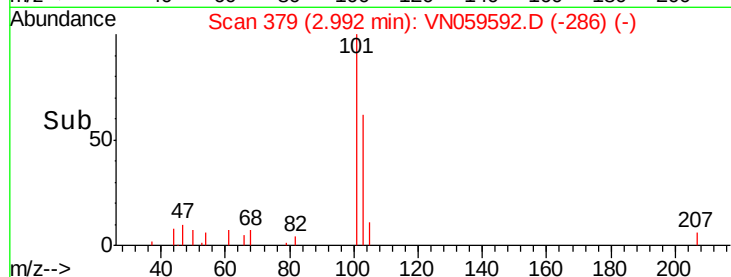
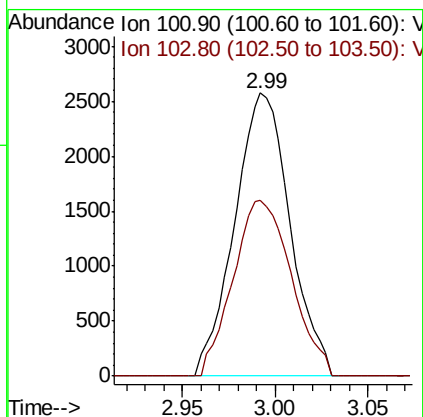
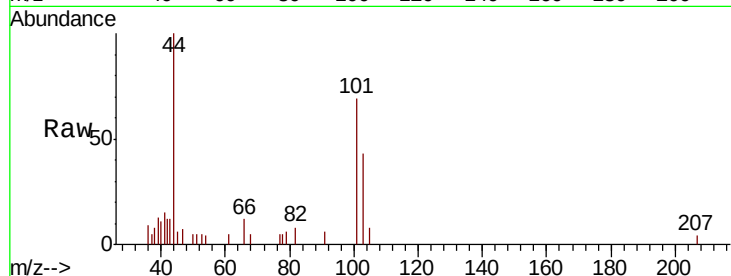


#7

Trichlorofluoromethane
Concen: 1.026 ug/l
RT: 2.99 min Scan# 379
Delta R.T. 0.00 min
Lab File: VN059592.D
Acq: 13 Dec 2019 18:34

Instrument :
MSVOA_N
ClientSampled :

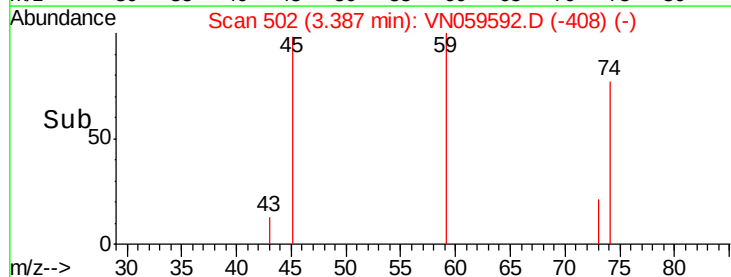
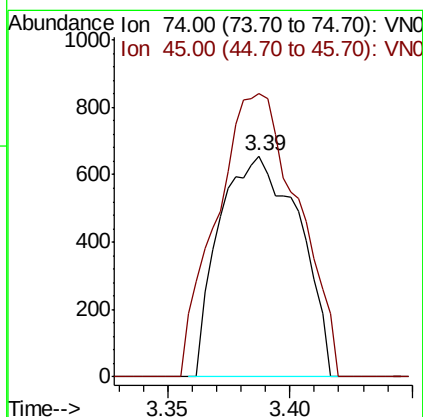
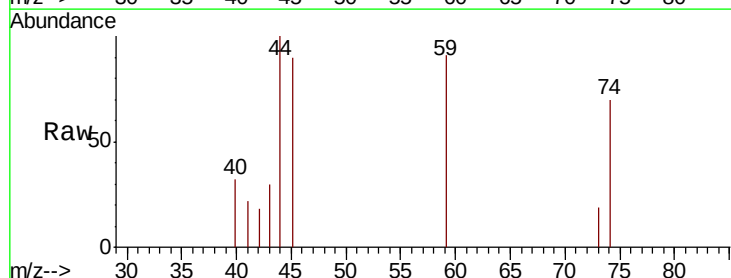
Tot Ion:101 Resp: 5342
Ion Ratio Lower Upper
101 100
103 62.3 51.0 76.6

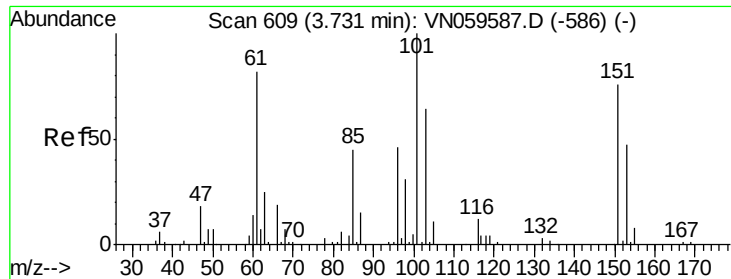


#8

Diethyl Ether
Concen: 0.840 ug/l
RT: 3.39 min Scan# 502
Delta R.T. 0.00 min
Lab File: VN059592.D
Acq: 13 Dec 2019 18:34

Tgt Ion: 74 Resp: 1488
Ion Ratio Lower Upper
74 100
45 131.0 51.9 155.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.990 ug/l

RT: 3.73 min Scan# 608

Delta R.T. -0.00 min

Lab File: VN059592.D

Acq: 13 Dec 2019 18:34

Instrument :

MSVOA_N

ClientSampled :

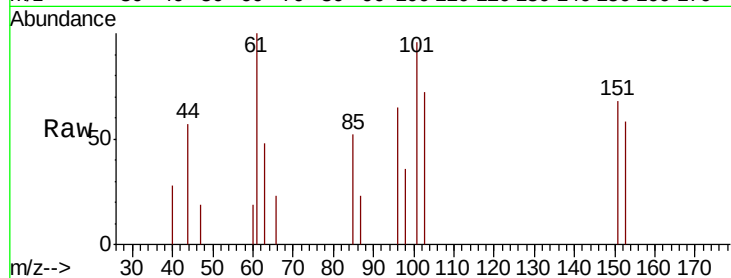
Tot Ion:101 Resp: 2660

Ion Ratio Lower Upper

101 100

85 46.0 36.6 54.8

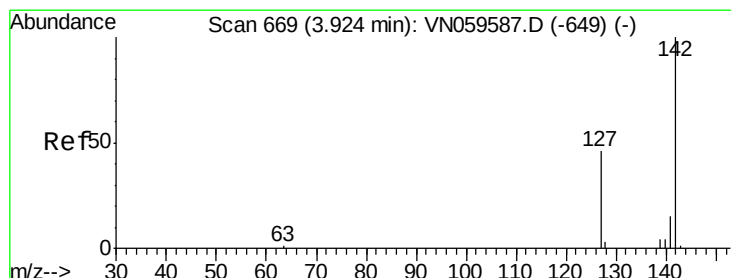
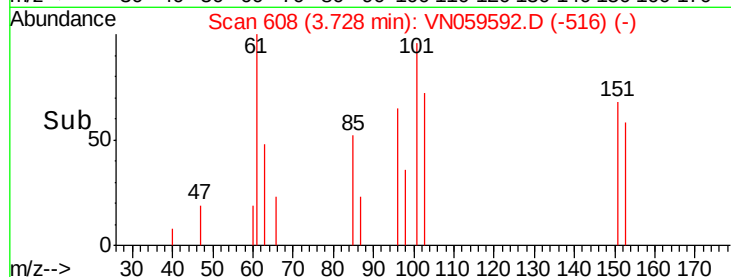
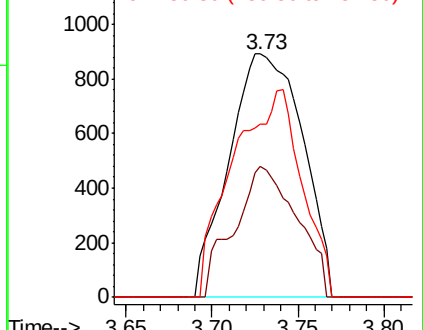
151 80.0 59.7 89.5



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 0.839 ug/l

RT: 3.92 min Scan# 669

Delta R.T. 0.00 min

Lab File: VN059592.D

Acq: 13 Dec 2019 18:34

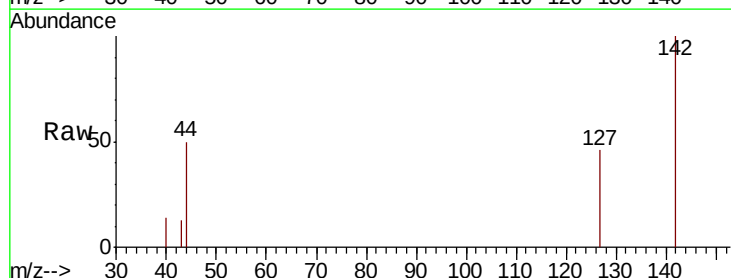
Tgt Ion:142 Resp: 3083

Ion Ratio Lower Upper

142 100

127 44.6 36.7 55.1

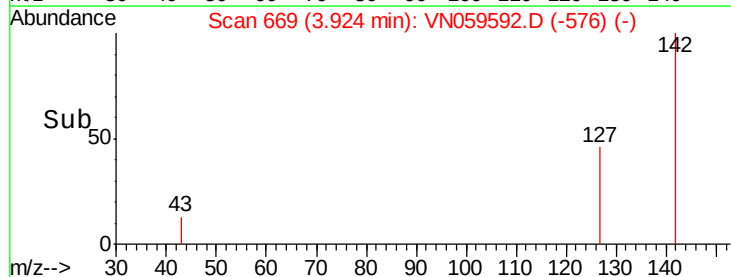
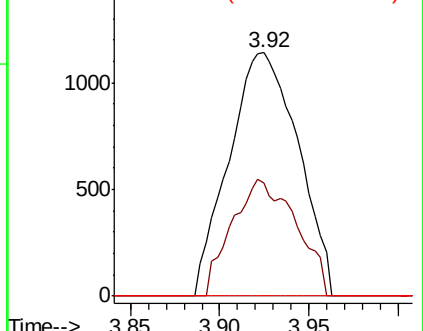
141 0.0 11.7 17.5#

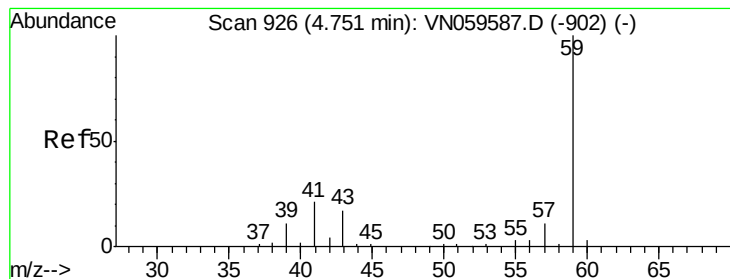


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



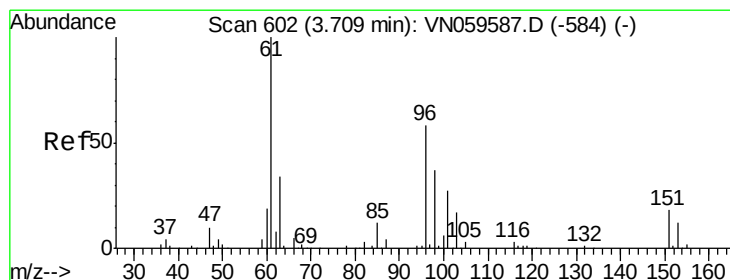
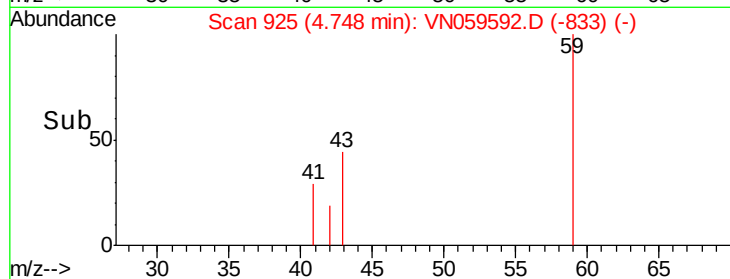
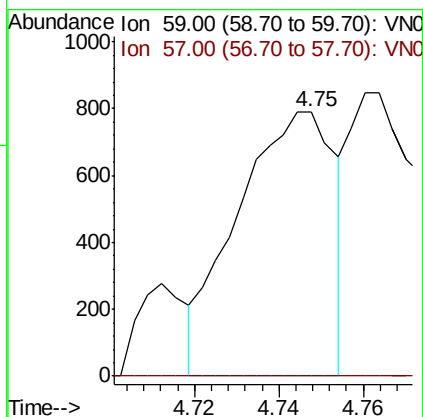
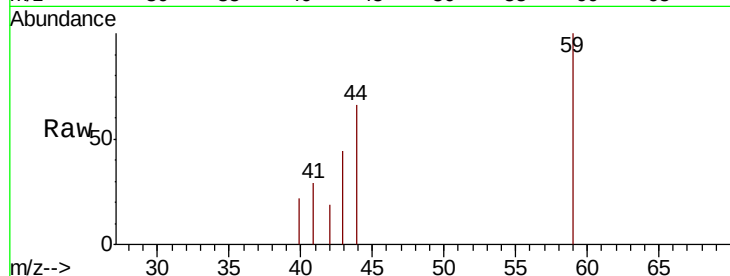


#11

Tert butyl alcohol
Concen: 2.120 ug/l
RT: 4.75 min Scan# 925
Delta R.T. -0.00 min
Lab File: VN059592.D
Acq: 13 Dec 2019 18:34

Instrument :
MSVOA_N
ClientSampled :

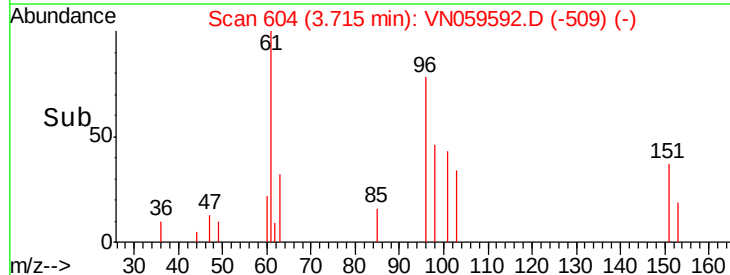
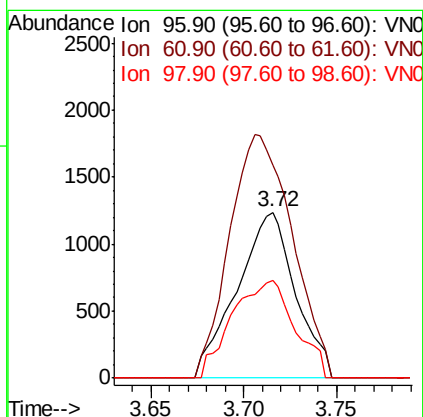
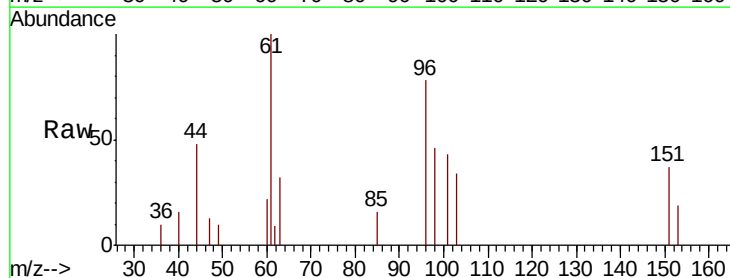
Tot Ion: 59 Resp: 1266
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#

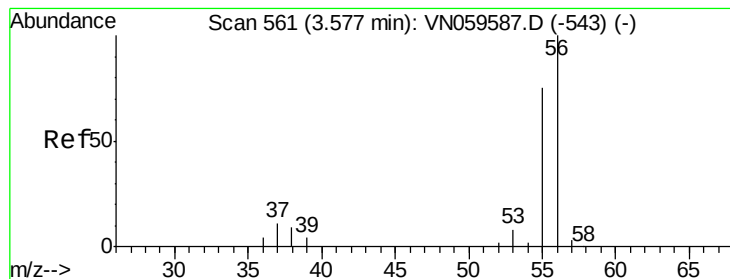


#12

1,1-Dichloroethene
Concen: 1.030 ug/l
RT: 3.72 min Scan# 604
Delta R.T. 0.01 min
Lab File: VN059592.D
Acq: 13 Dec 2019 18:34

Tgt Ion: 96 Resp: 2707
Ion Ratio Lower Upper
96 100
61 128.4 137.5 206.3#
98 59.1 50.2 75.4





#13

Acrolein

Concen: 6.546 ug/l

RT: 3.58 min Scan# 561

Delta R.T. 0.00 min

Lab File: VN059592.D

Acq: 13 Dec 2019 18:34

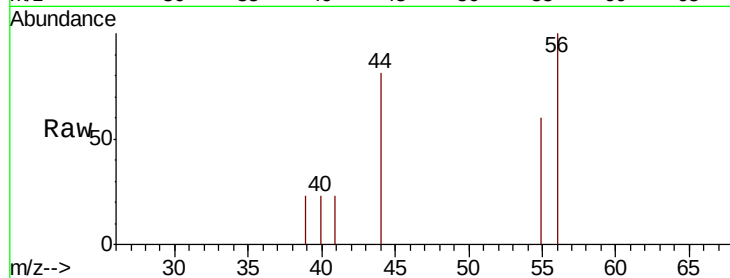
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 2229

Ion Ratio Lower Upper

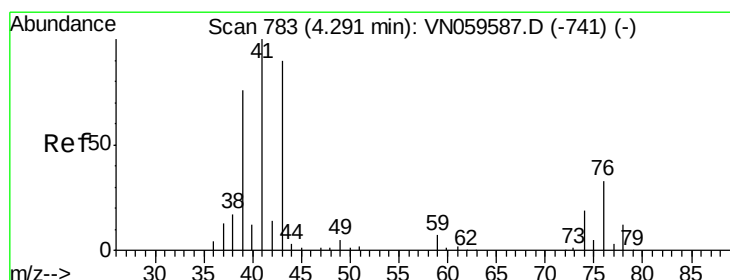
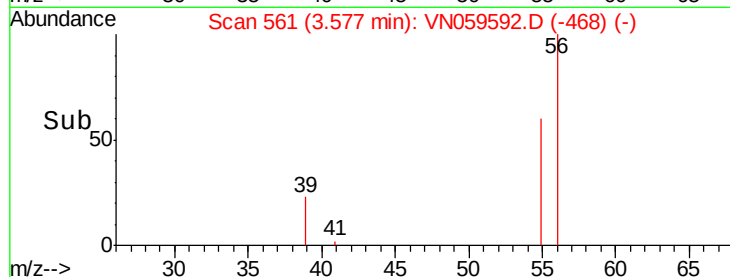
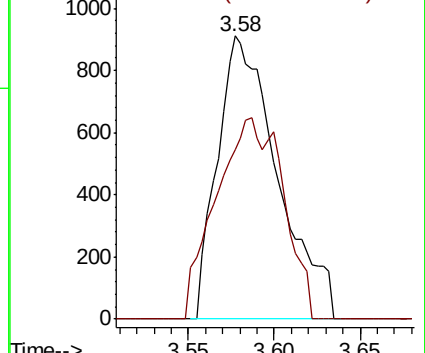
56 100

55 54.0 58.6 88.0#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 1.209 ug/l

RT: 4.29 min Scan# 783

Delta R.T. 0.00 min

Lab File: VN059592.D

Acq: 13 Dec 2019 18:34

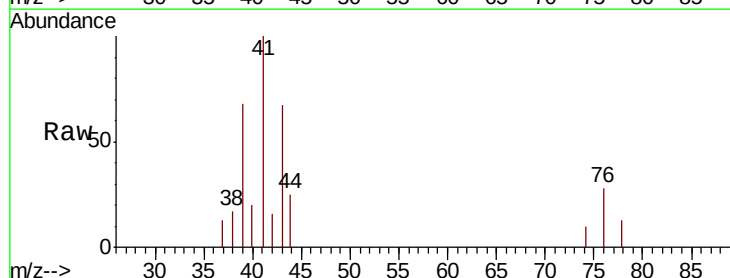
Tgt Ion: 41 Resp: 6095

Ion Ratio Lower Upper

41 100

39 68.4 57.8 86.8

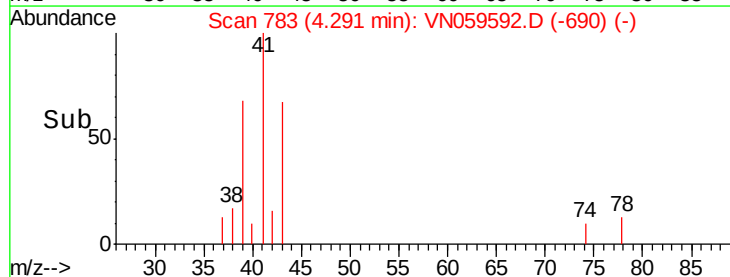
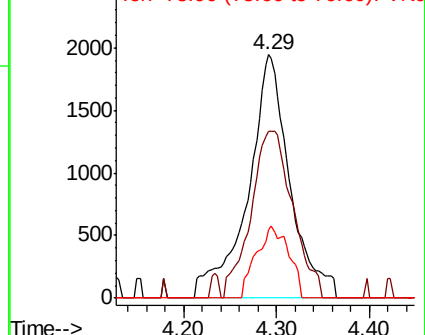
76 22.8 25.4 38.0#

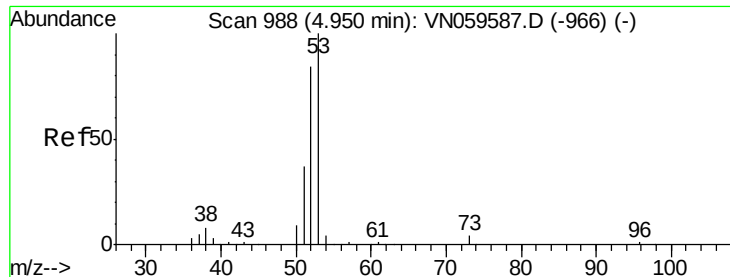


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 4.555 ug/l

RT: 4.96 min Scan# 990

Delta R.T. 0.01 min

Lab File: VN059592.D

Acq: 13 Dec 2019 18:34

Instrument :

MSVOA_N

ClientSampled :

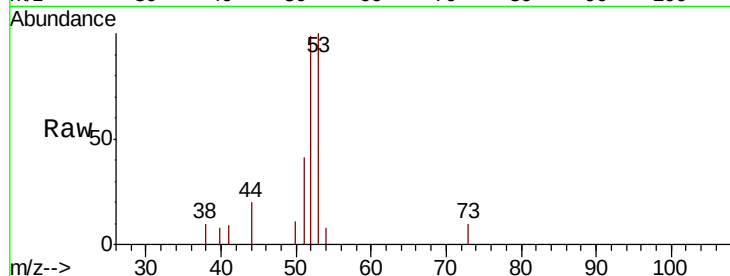
Tot Ion: 53 Resp: 7009

Ion Ratio Lower Upper

53 100

52 84.7 66.3 99.5

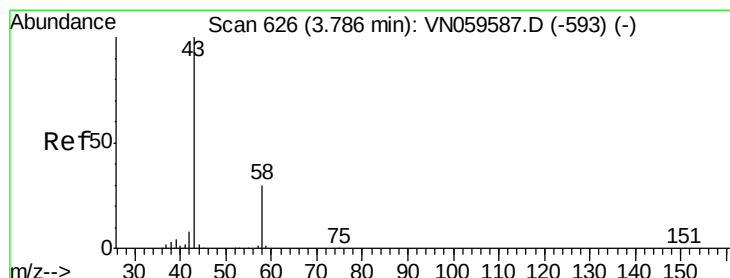
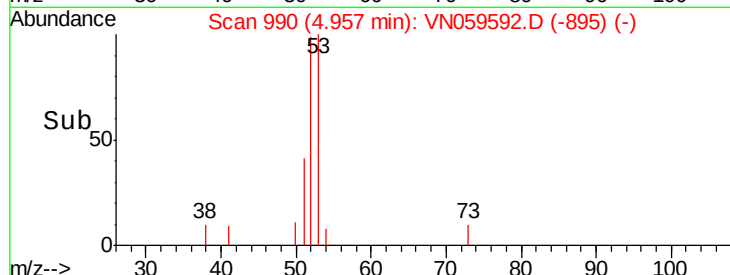
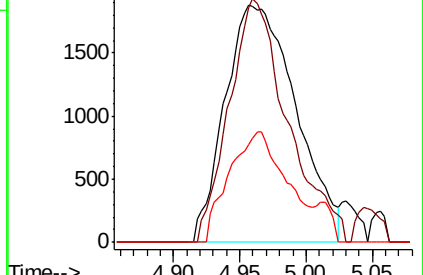
51 37.6 29.7 44.5



Abundance Ion 53.00 (52.70 to 53.70): VN059592.D (-895) (-)

Ion 52.00 (51.70 to 52.70): VN059592.D (-895) (-)

Ion 51.00 (50.70 to 51.70): VN059592.D (-895) (-)



#16

Acetone

Concen: 7.108 ug/l

RT: 3.80 min Scan# 630

Delta R.T. 0.01 min

Lab File: VN059592.D

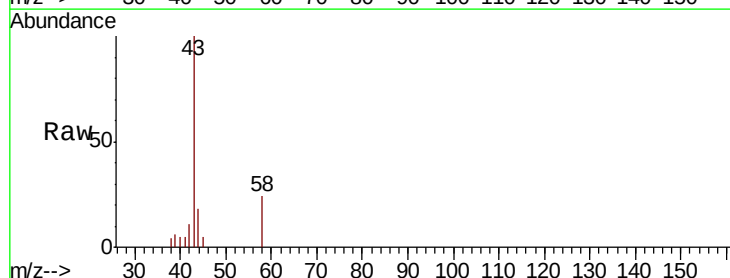
Acq: 13 Dec 2019 18:34

Tgt Ion: 43 Resp: 12353

Ion Ratio Lower Upper

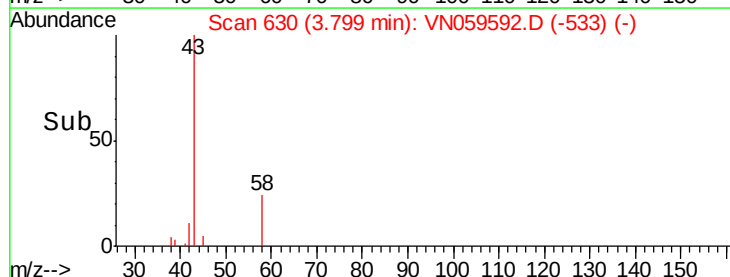
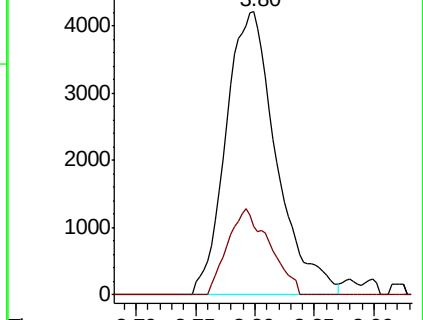
43 100

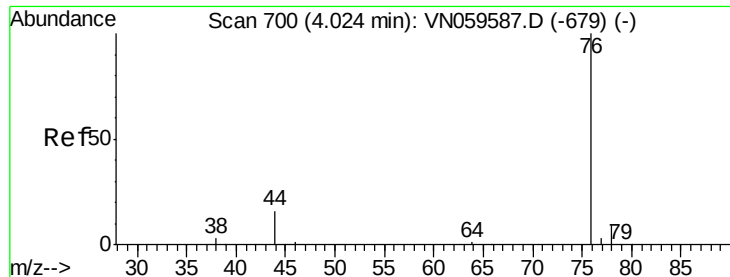
58 24.3 23.6 35.4



Abundance Ion 43.00 (42.70 to 43.70): VN059592.D (-533) (-)

Ion 58.00 (57.70 to 58.70): VN059592.D (-533) (-)

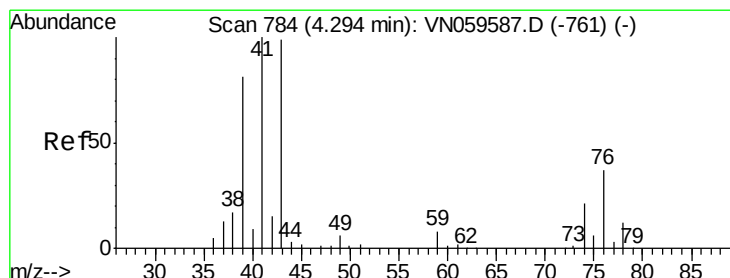
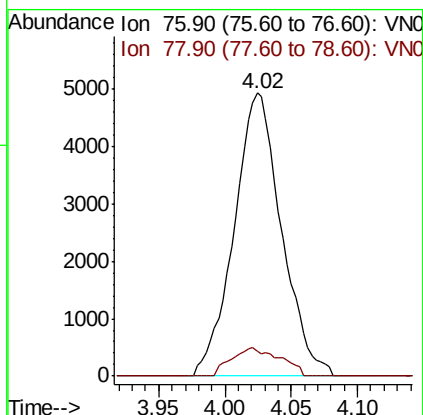
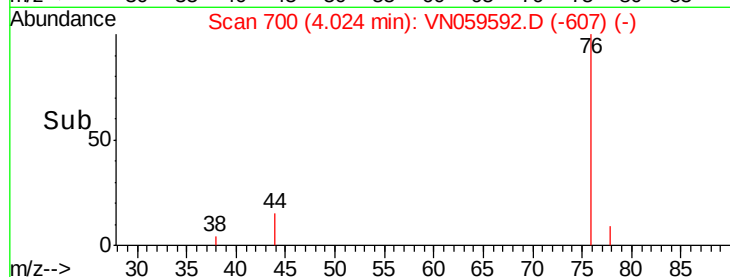
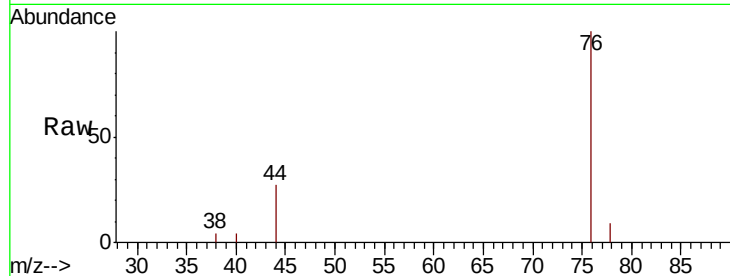




#17
Carbon Disulfide
Concen: 1.269 ug/l
RT: 4.02 min Scan# 700
Delta R.T. 0.00 min
Lab File: VN059592.D
Acq: 13 Dec 2019 18:34

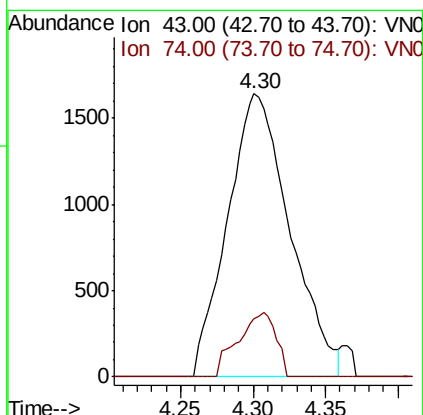
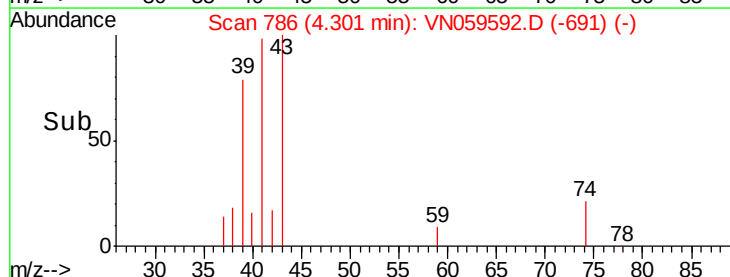
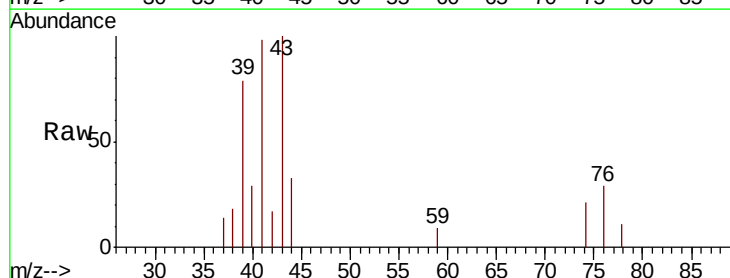
Instrument :
MSVOA_N
ClientSampled :

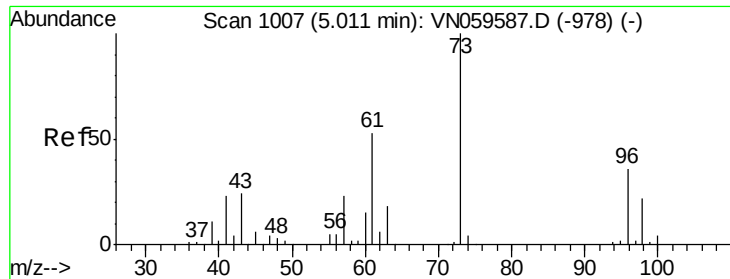
Tot Ion: 76 Resp: 12242
Ion Ratio Lower Upper
76 100
78 8.8 7.4 11.0



#18
Methyl Acetate
Concen: 1.134 ug/l
RT: 4.30 min Scan# 786
Delta R.T. 0.01 min
Lab File: VN059592.D
Acq: 13 Dec 2019 18:34

Tgt Ion: 43 Resp: 4908
Ion Ratio Lower Upper
43 100
74 13.8 17.5 26.3#

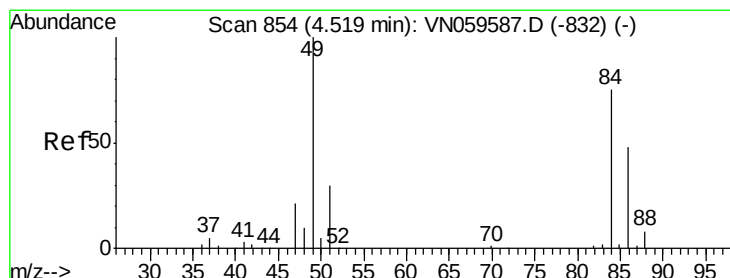
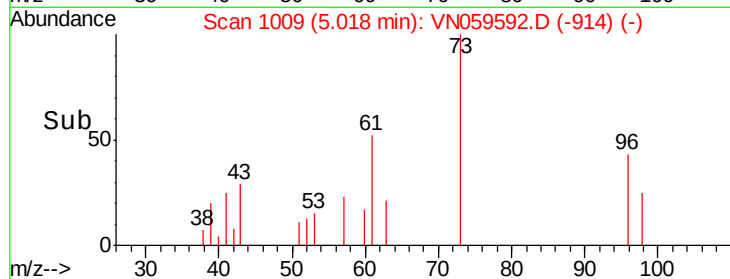
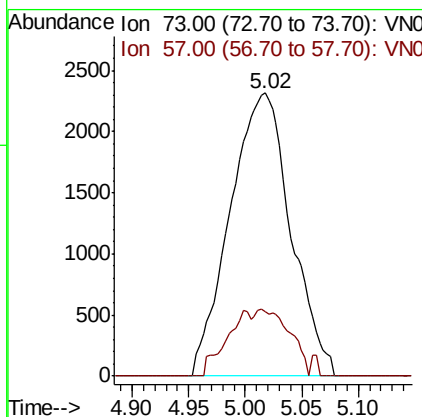
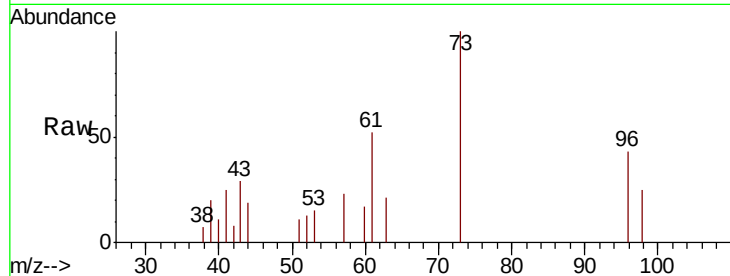




#19
Methyl tert-butyl Ether
Concen: 0.991 ug/l
RT: 5.02 min Scan# 1009
Delta R.T. 0.01 min
Lab File: VN059592.D
Acq: 13 Dec 2019 18:34

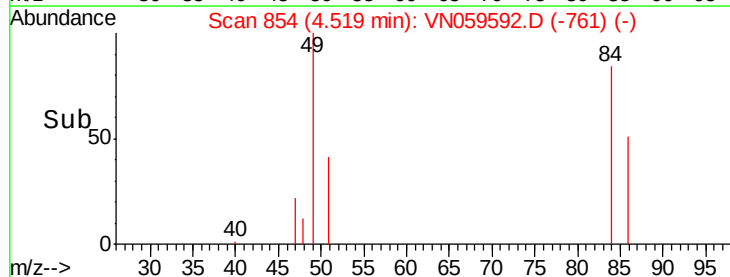
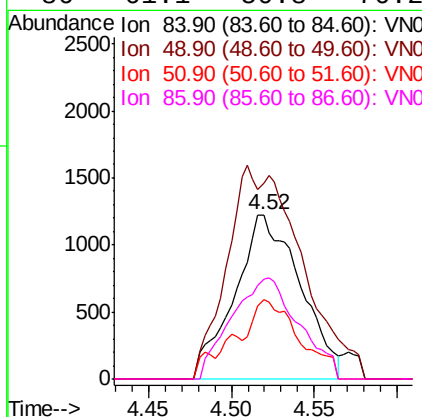
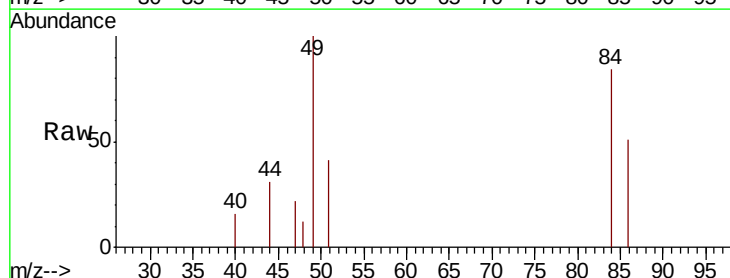
Instrument :
MSVOA_N
ClientSampled :

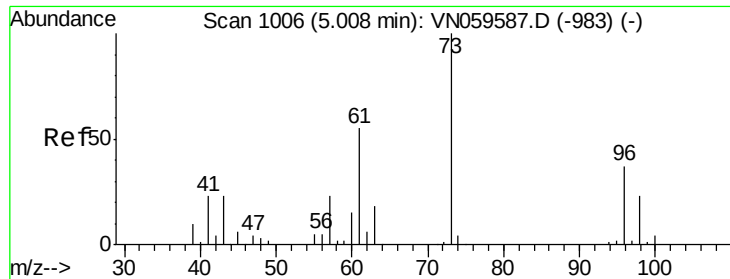
Tot Ion: 73 Resp: 8647
Ion Ratio Lower Upper
73 100
57 23.0 18.6 27.8



#20
Methylene Chloride
Concen: 1.014 ug/l
RT: 4.52 min Scan# 854
Delta R.T. 0.00 min
Lab File: VN059592.D
Acq: 13 Dec 2019 18:34

Tgt Ion: 84 Resp: 3376
Ion Ratio Lower Upper
84 100
49 119.1 106.6 160.0
51 48.8 31.9 47.9#
86 61.1 50.8 76.2





#21

trans-1,2-Dichloroethene

Concen: 1.116 ug/l

RT: 5.01 min Scan# 1006

Delta R.T. 0.00 min

Lab File: VN059592.D

Acq: 13 Dec 2019 18:34

Instrument :
MSVOA_N
ClientSampled :

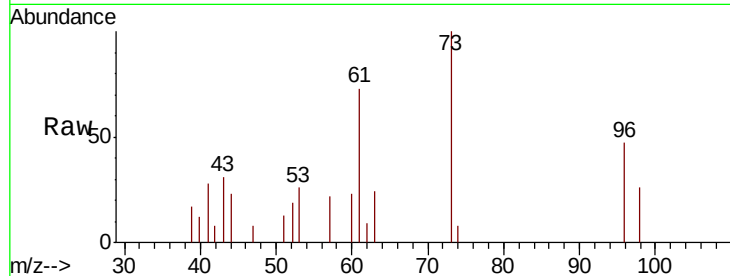
Tot Ion: 96 Resp: 3135

Ion Ratio Lower Upper

96 100

61 155.9 120.4 180.6

98 54.7 50.6 75.8

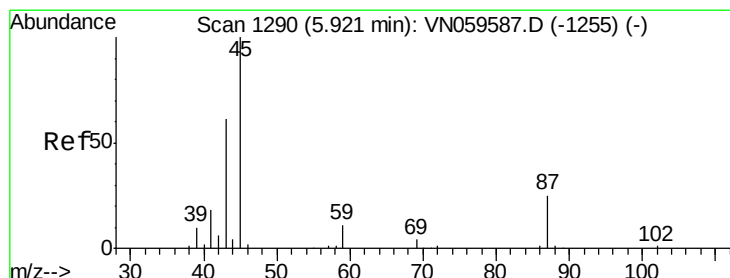
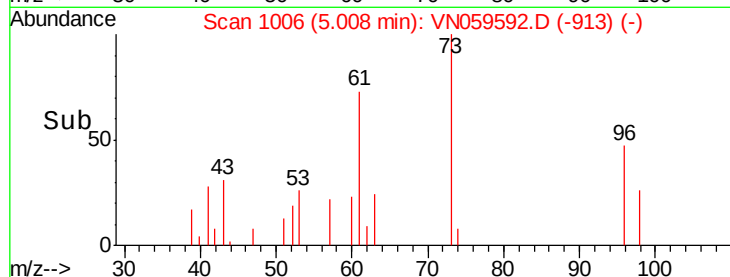
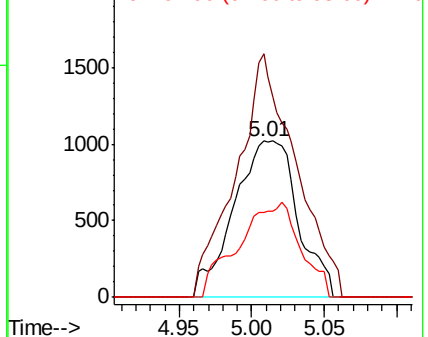


Abundance

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



#22

Diisopropyl ether

Concen: 0.933 ug/l

RT: 5.92 min Scan# 1289

Delta R.T. -0.00 min

Lab File: VN059592.D

Acq: 13 Dec 2019 18:34

Tgt Ion: 45 Resp: 8951

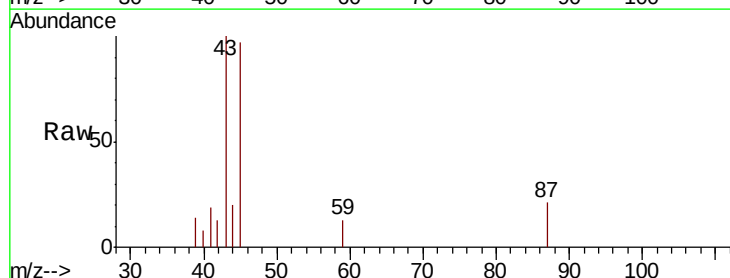
Ion Ratio Lower Upper

45 100

43 93.0 50.8 76.2#

87 22.0 21.0 31.6

59 13.8 9.1 13.7#



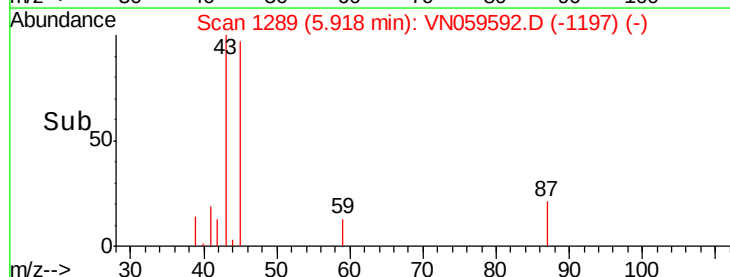
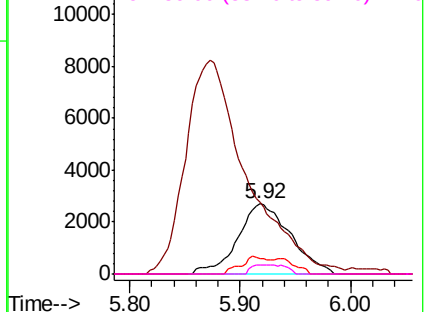
Abundance

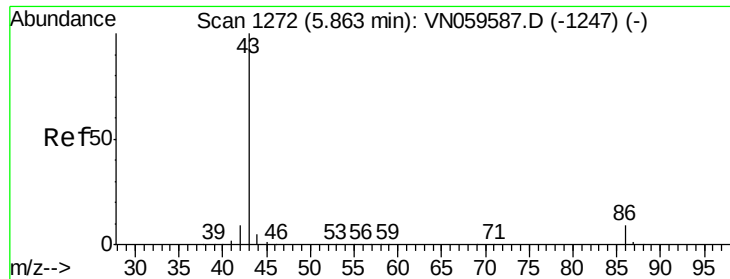
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





#23

Vinyl Acetate

Concen: 4.010 ug/l

RT: 5.87 min Scan# 1275

Delta R.T. 0.01 min

Lab File: VN059592.D

Acq: 13 Dec 2019 18:34

Instrument :

MSVOA_N

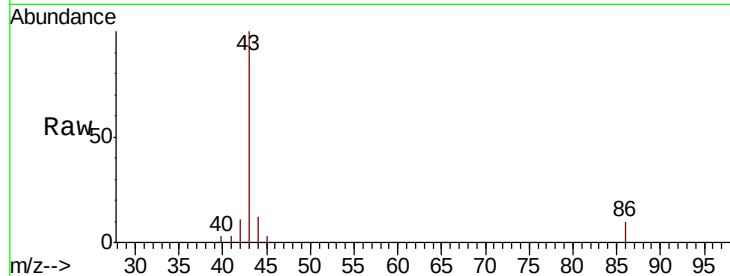
ClientSampleId :

Tot Ion: 43 Resp: 31849

Ion Ratio Lower Upper

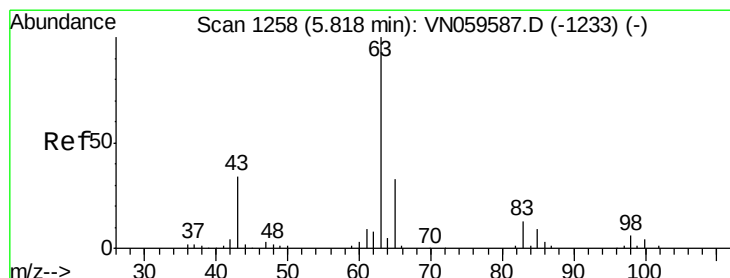
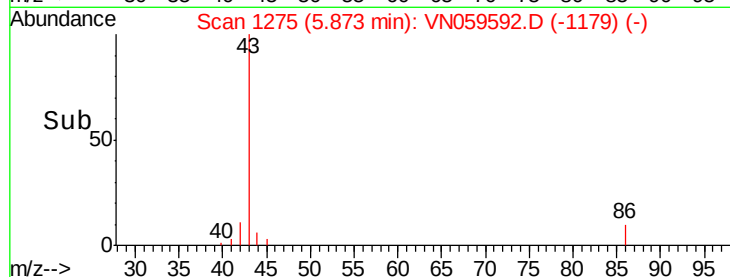
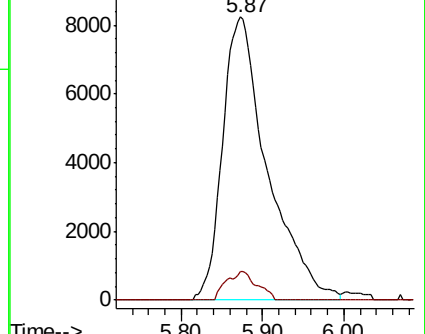
43 100

86 9.9 7.6 11.4



Abundance Ion 43.00 (42.70 to 43.70): VN059587.D (-1247) (-)

Ion 86.00 (85.70 to 86.70): VN059587.D (-1247) (-)



#24

1,1-Dichloroethane

Concen: 0.978 ug/l

RT: 5.82 min Scan# 1259

Delta R.T. 0.00 min

Lab File: VN059592.D

Acq: 13 Dec 2019 18:34

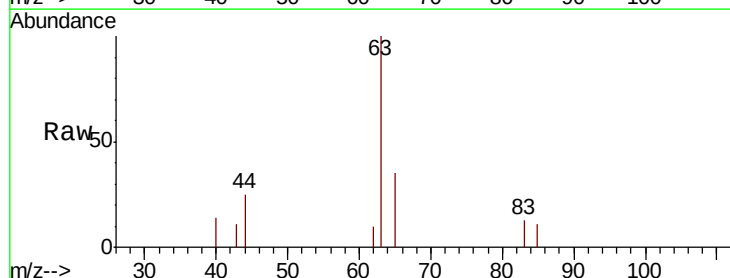
Tgt Ion: 63 Resp: 5329

Ion Ratio Lower Upper

63 100

98 0.0 2.9 8.7#

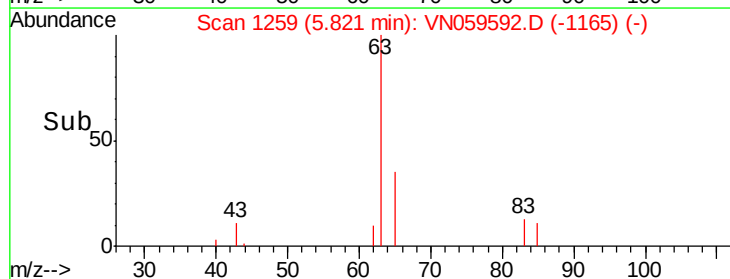
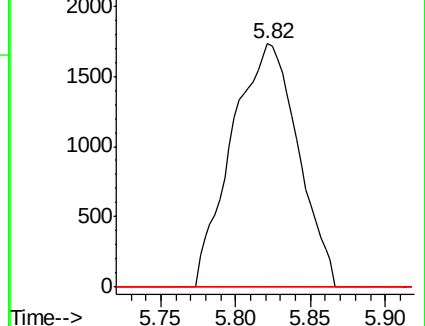
100 0.0 2.0 6.0#

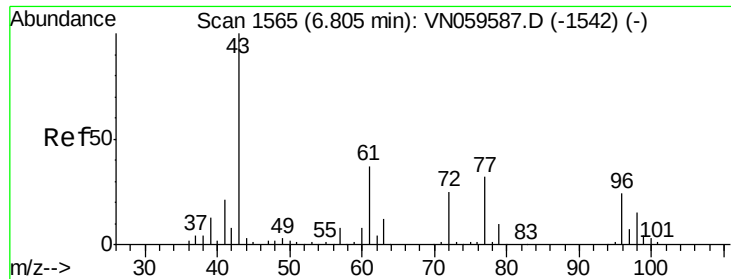


Abundance Ion 62.90 (62.60 to 63.60): VN059587.D (-1233) (-)

Ion 97.90 (97.60 to 98.60): VN059587.D (-1233) (-)

Ion 99.90 (99.60 to 100.60): VN059587.D (-1233) (-)





#25

2-Butanone

Concen: 5.273 ug/l

RT: 6.82 min Scan# 1570

Delta R.T. 0.02 min

Lab File: VN059592.D

Acq: 13 Dec 2019 18:34

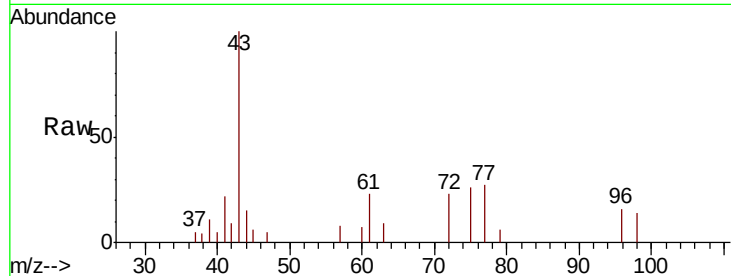
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43.00 Resp: 11887

Ion Ratio Lower Upper

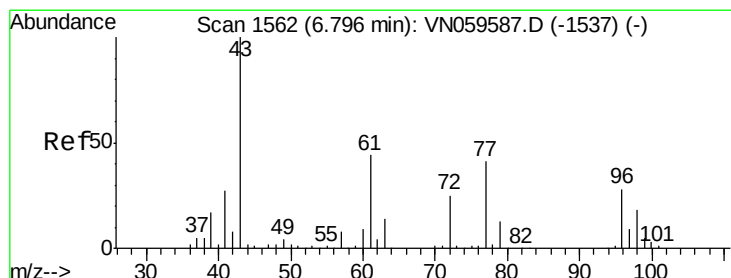
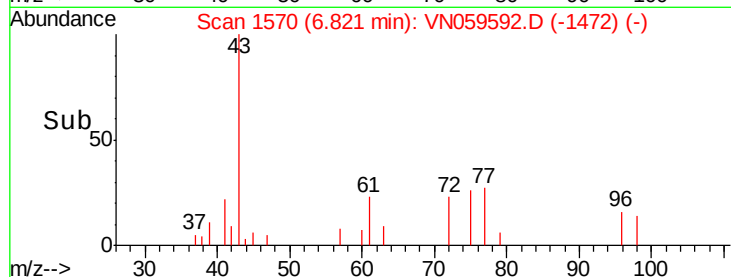
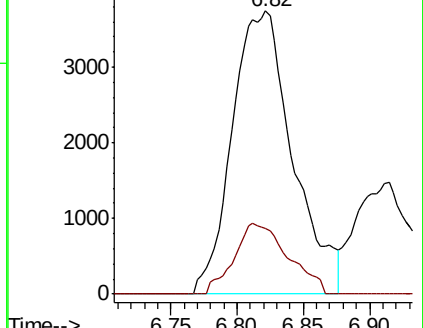
43 100

72 23.0 19.9 29.9



Abundance Ion 43.00 (42.70 to 43.70): VN059587.D (-1542) (-)

Ion 72.00 (71.70 to 72.70): VN059587.D (-1542) (-)



#26

2,2-Dichloropropane

Concen: 0.505 ug/l

RT: 6.79 min Scan# 1560

Delta R.T. -0.01 min

Lab File: VN059592.D

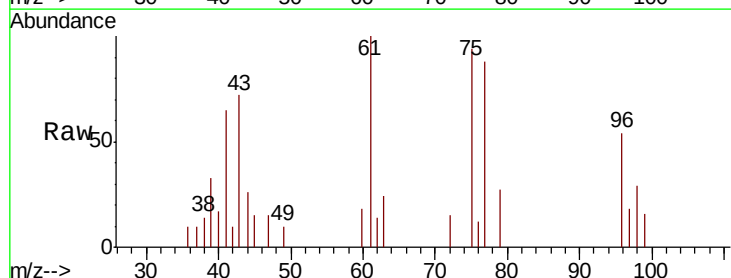
Acq: 13 Dec 2019 18:34

Tgt Ion: 77 Resp: 2489

Ion Ratio Lower Upper

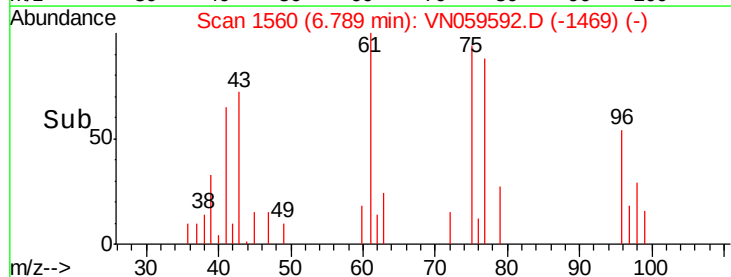
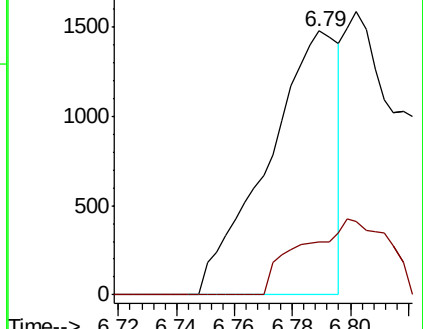
77 100

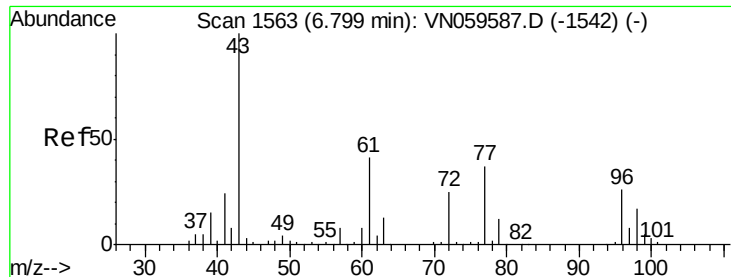
97 35.0 10.7 31.9#



Abundance Ion 76.90 (76.60 to 77.60): VN059587.D (-1537) (-)

Ion 96.90 (96.60 to 97.60): VN059587.D (-1537) (-)





#27

cis-1,2-Dichloroethene

Concen: 0.947 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. 0.01 min

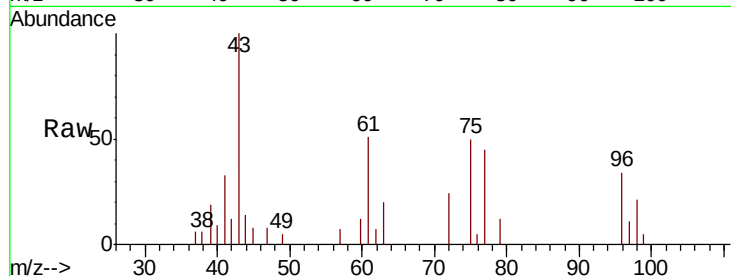
Lab File: VN059592.D

Acq: 13 Dec 2019 18:34

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 96 Resp: 2997

Ion	Ratio	Lower	Upper
96	100		
61	176.7	0.0	317.6
98	66.5	0.0	127.0

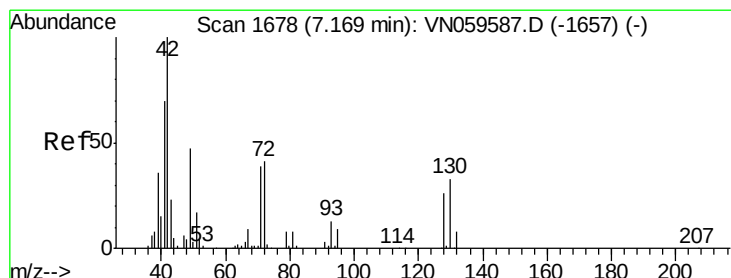
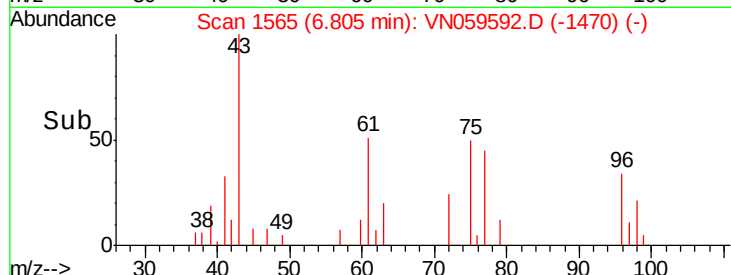
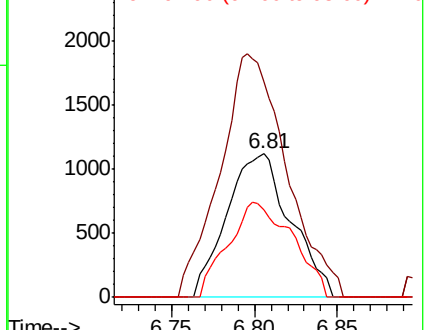


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 0.321 ug/l

RT: 7.17 min Scan# 1677

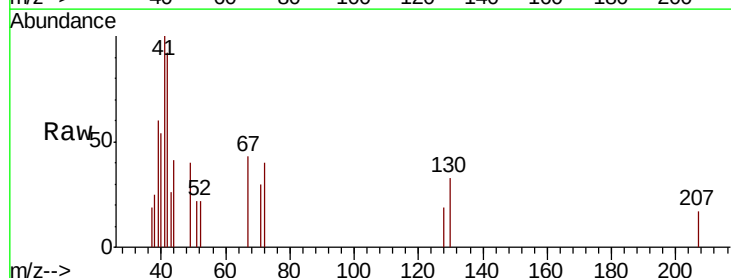
Delta R.T. -0.00 min

Lab File: VN059592.D

Acq: 13 Dec 2019 18:34

Tgt Ion: 49 Resp: 569

Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	3.4
130	93.8	54.7	82.1#

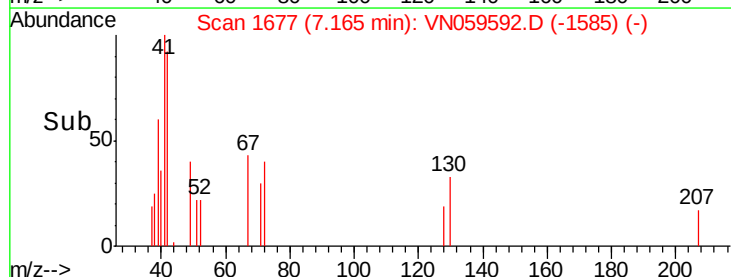
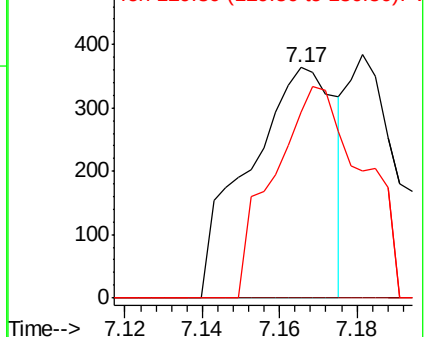


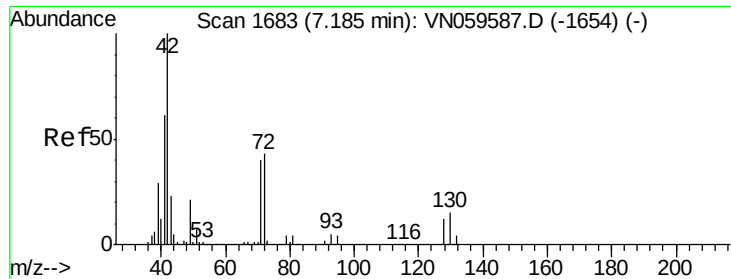
Abundance

Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

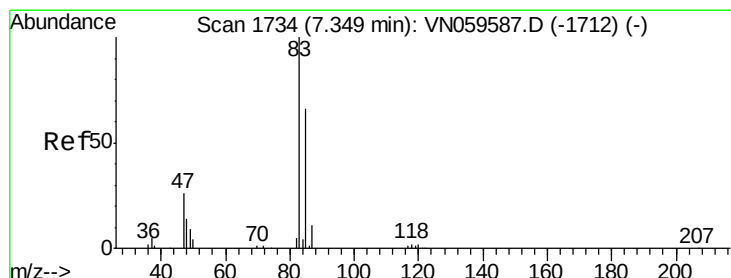
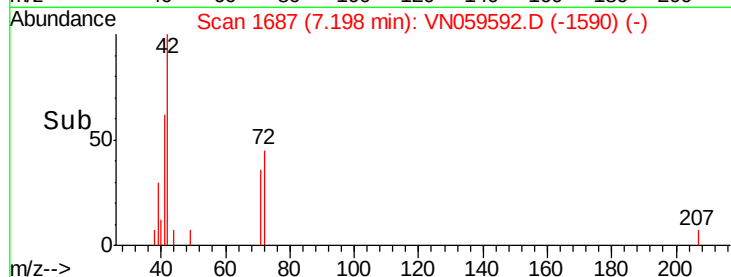
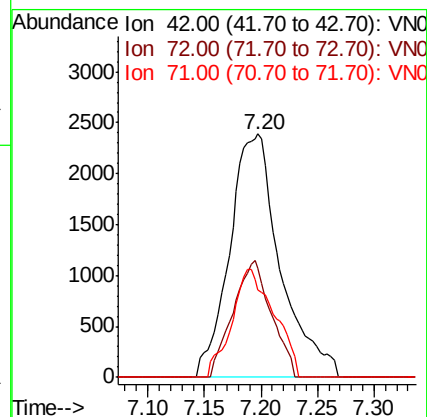
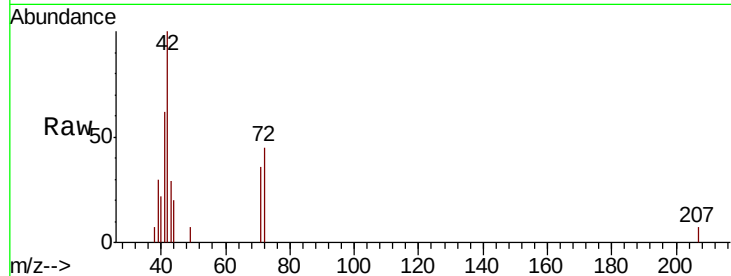




#29
Tetrahydrofuran
Concen: 4.829 ug/l
RT: 7.20 min Scan# 1687
Delta R.T. 0.01 min
Lab File: VN059592.D
Acq: 13 Dec 2019 18:34

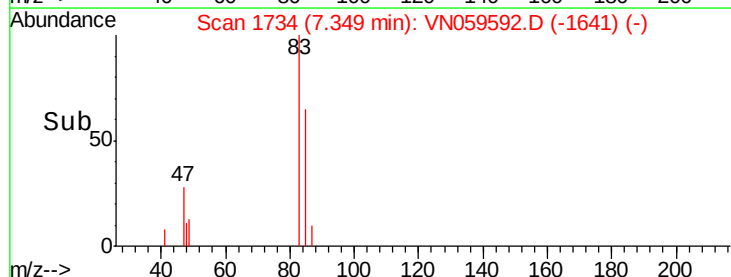
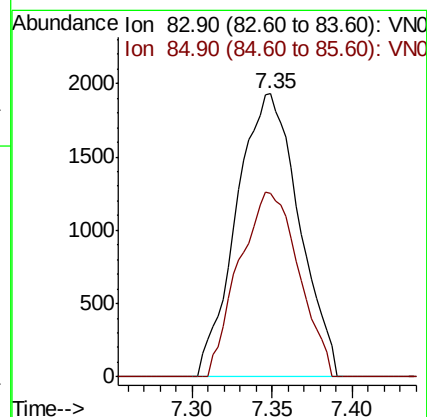
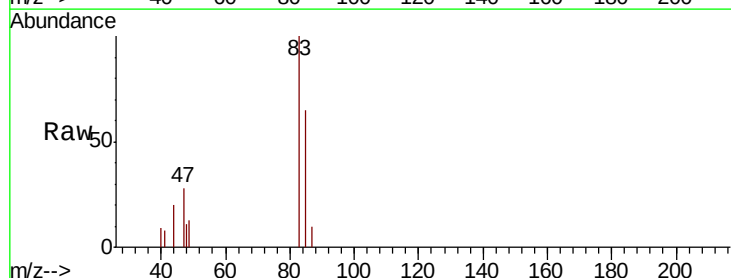
Instrument :
MSVOA_N
ClientSampled :

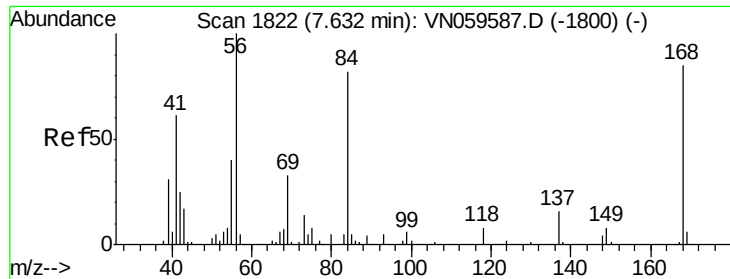
Tot Ion: 42 Resp: 7428
Ion Ratio Lower Upper
42 100
72 36.4 33.1 49.7
71 37.0 31.4 47.0



#30
Chloroform
Concen: 0.964 ug/l
RT: 7.35 min Scan# 1734
Delta R.T. 0.00 min
Lab File: VN059592.D
Acq: 13 Dec 2019 18:34

Tgt Ion: 83 Resp: 5184
Ion Ratio Lower Upper
83 100
85 64.7 52.4 78.6

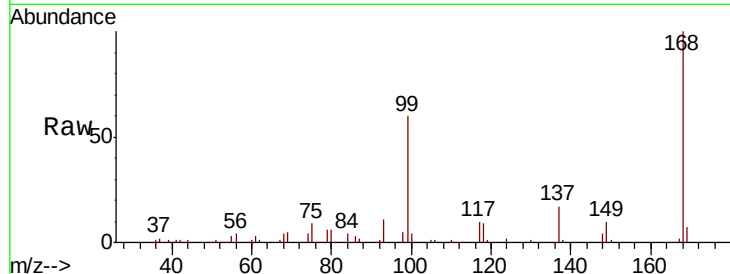




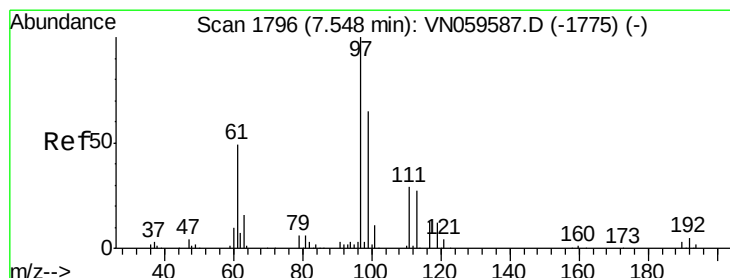
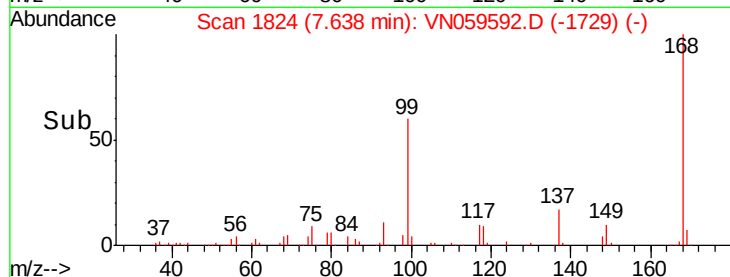
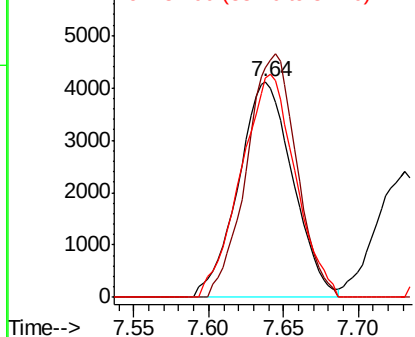
#31
Cyclohexane
Concen: 1.967 ug/l
RT: 7.64 min Scan# 1824
Delta R.T. 0.01 min
Lab File: VN059592.D
Acq: 13 Dec 2019 18:34

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 10423
Ion Ratio Lower Upper
56 100
69 106.3 26.5 39.7#
84 101.5 65.3 97.9#

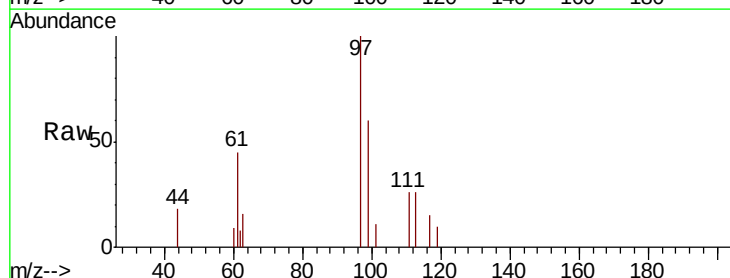


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

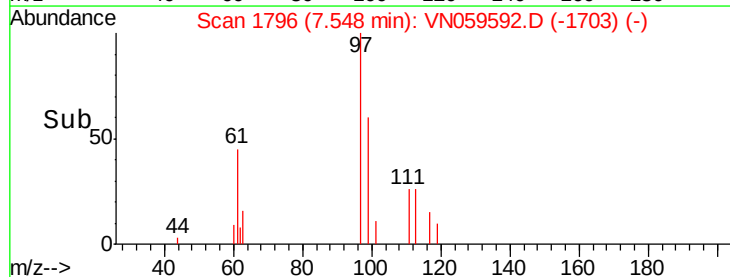
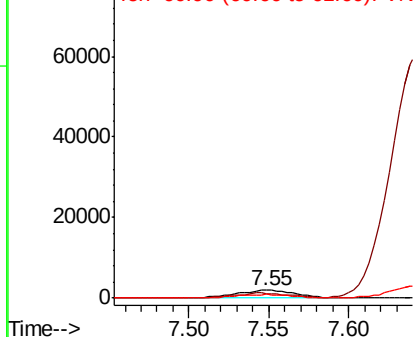


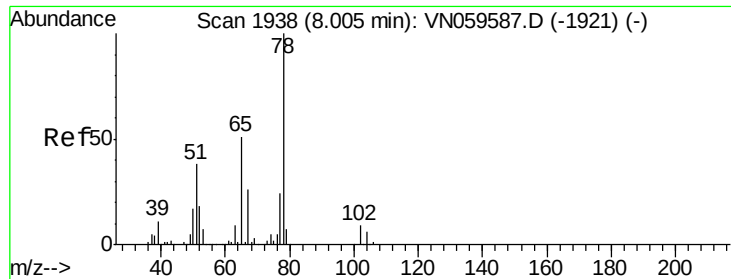
#32
1,1,1-Trichloroethane
Concen: 1.049 ug/l
RT: 7.55 min Scan# 1796
Delta R.T. 0.00 min
Lab File: VN059592.D
Acq: 13 Dec 2019 18:34

Tgt Ion: 97 Resp: 5004
Ion Ratio Lower Upper
97 100
99 0.0 51.0 76.4#
61 44.0 38.5 57.7



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

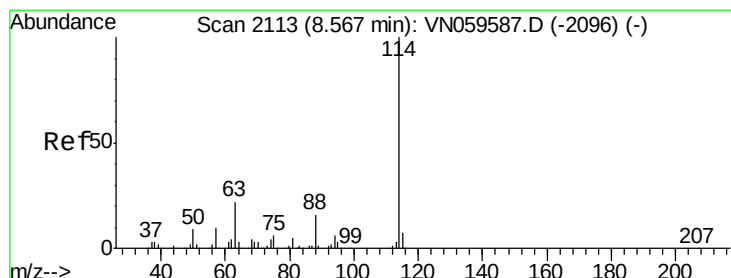
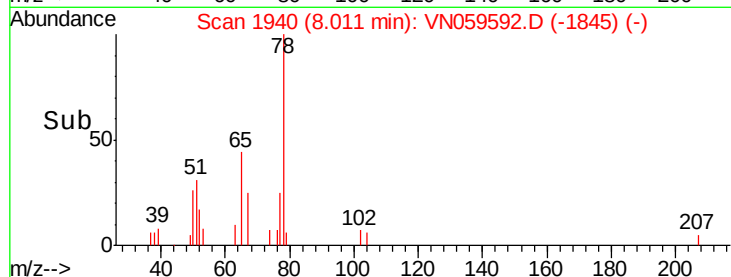
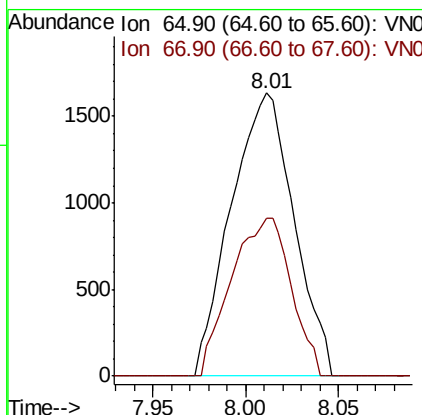
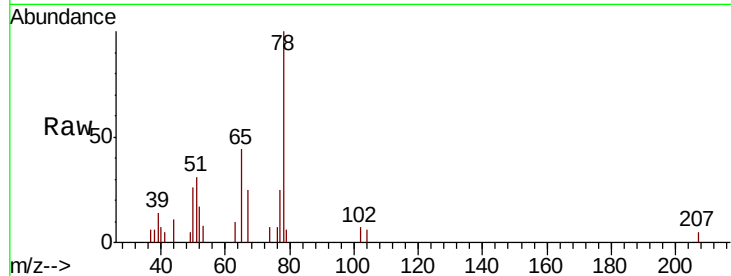




#33
 1,2-Dichloroethane-d4
 Concen: 1.089 ug/l
 RT: 8.01 min Scan# 1940
 Delta R.T. 0.01 min
 Lab File: VN059592.D
 Acq: 13 Dec 2019 18:34

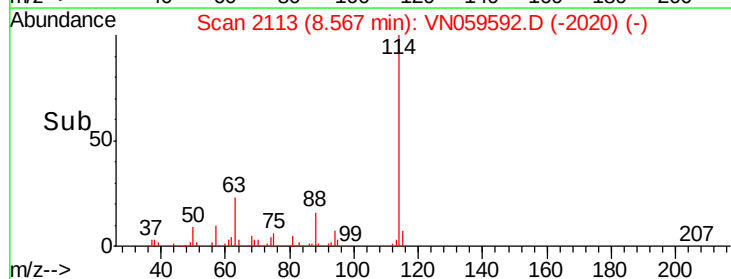
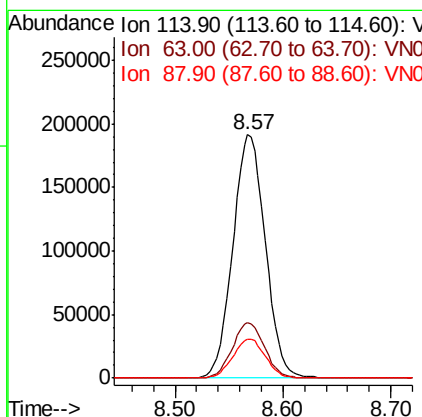
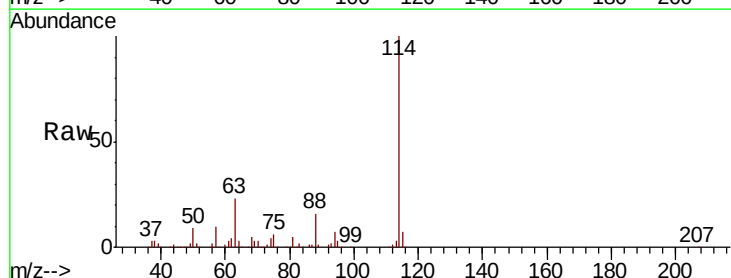
Instrument :
 MSVOA_N
 ClientSampleId :

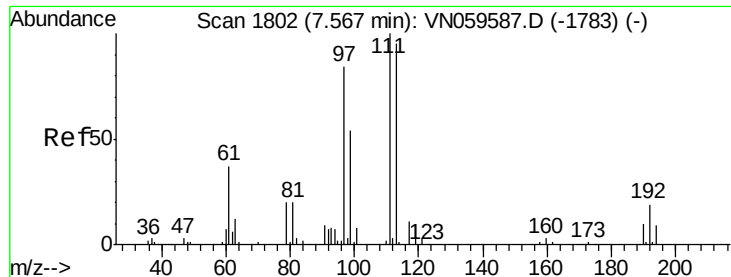
Tot Ion: 65 Resp: 3850
 Ion Ratio Lower Upper
 65 100
 67 53.0 0.0 103.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VN059592.D
 Acq: 13 Dec 2019 18:34

Tgt Ion: 114 Resp: 401716
 Ion Ratio Lower Upper
 114 100
 63 22.8 0.0 43.6
 88 16.1 0.0 31.4





#35

Dibromofluoromethane

Concen: 1.067 ug/l

RT: 7.56 min Scan# 1801

Delta R.T. -0.00 min

Lab File: VN059592.D

Acq: 13 Dec 2019 18:34

Instrument :
MSVOA_N
ClientSampleId :

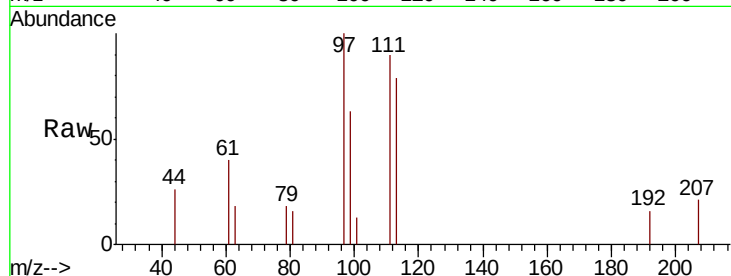
Tot Ion:113 Resp: 2603

Ion	Ratio	Lower	Upper
113	100		
111	105.9	83.5	125.3
192	7.2	15.4	23.2

113 100

111 105.9 83.5 125.3

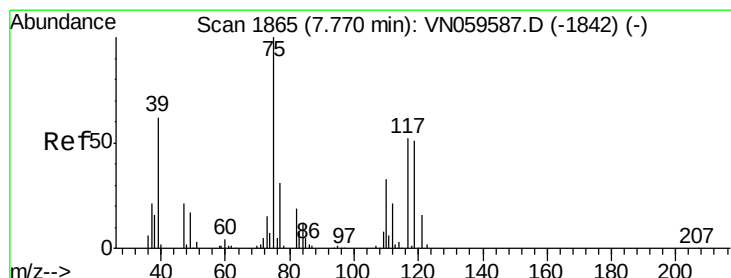
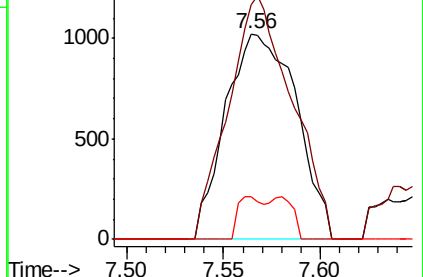
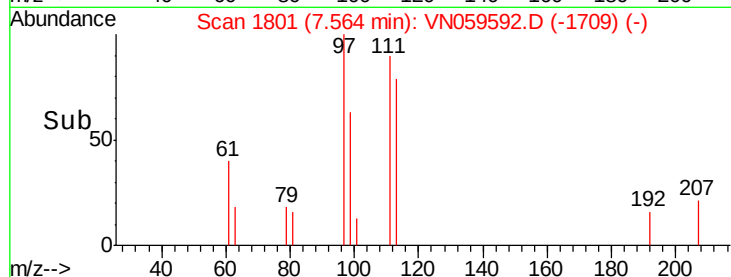
192 7.2 15.4 23.2



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: 0.916 ug/l

RT: 7.77 min Scan# 1864

Delta R.T. -0.00 min

Lab File: VN059592.D

Acq: 13 Dec 2019 18:34

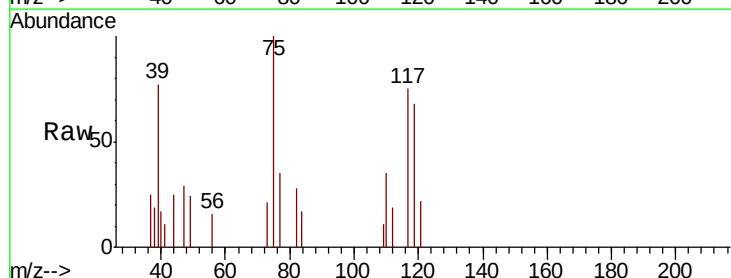
Tgt Ion: 75 Resp: 3834

Ion	Ratio	Lower	Upper
75	100		
110	35.6	16.6	49.7
77	33.3	25.1	37.7

75 100

110 35.6 16.6 49.7

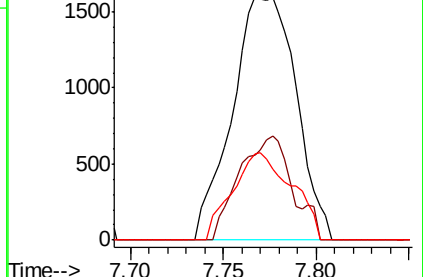
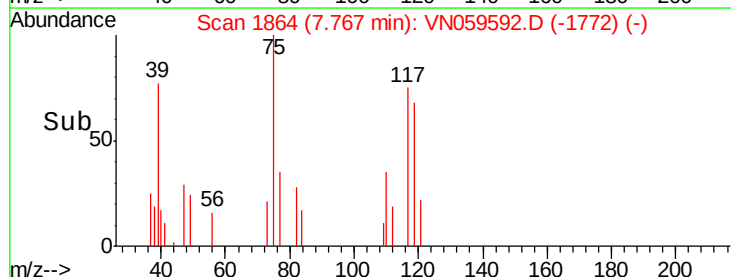
77 33.3 25.1 37.7

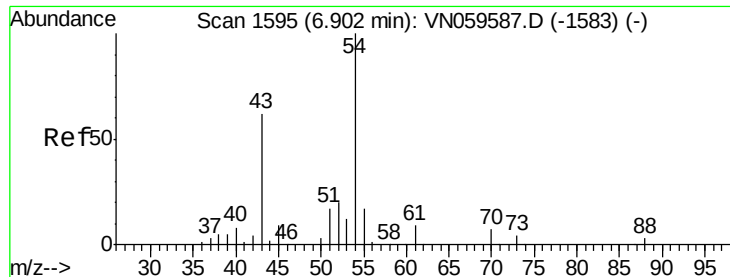


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

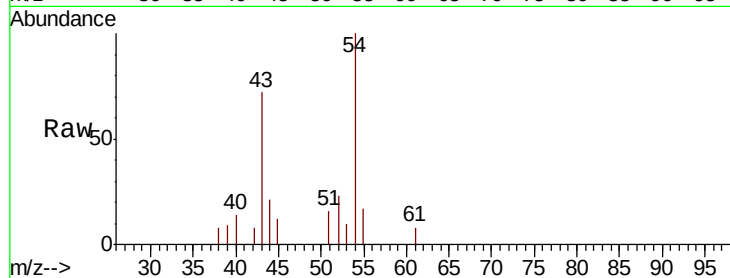




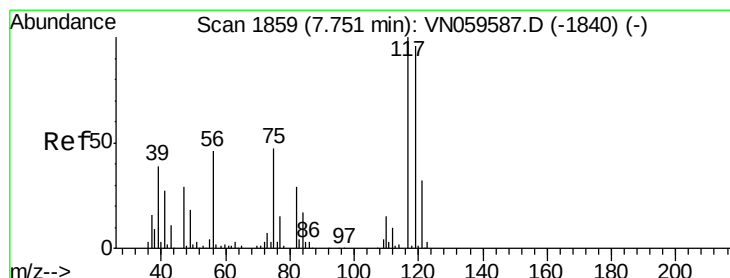
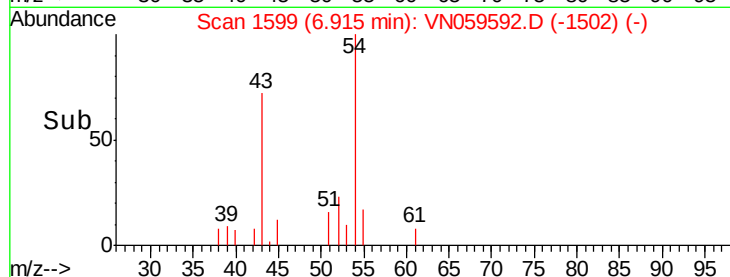
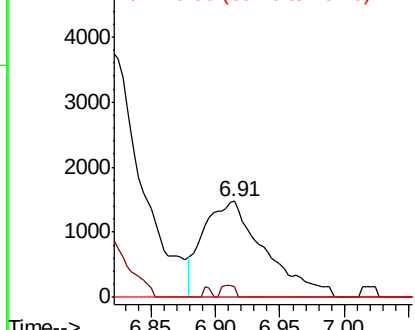
#37
Ethyl Acetate
Concen: 1.125 ug/l
RT: 6.91 min Scan# 1599
Delta R.T. 0.01 min
Lab File: VN059592.D
Acq: 13 Dec 2019 18:34

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 4908
Ion Ratio Lower Upper
43 100
61 0.0 10.9 16.3#
70 0.0 7.7 11.5#

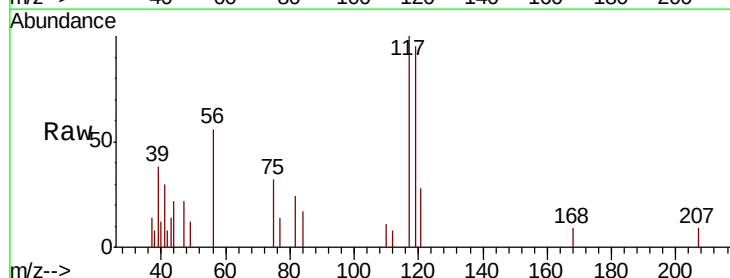


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

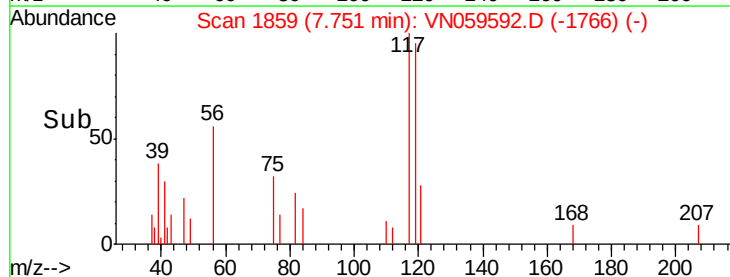
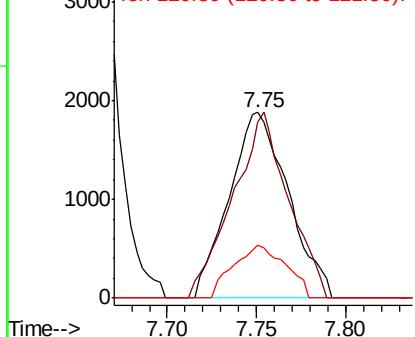


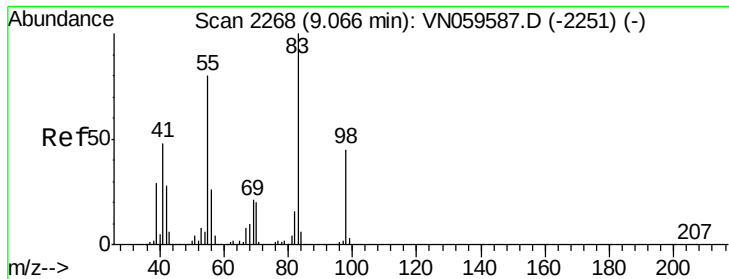
#38
Carbon Tetrachloride
Concen: 1.050 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. 0.00 min
Lab File: VN059592.D
Acq: 13 Dec 2019 18:34

Tgt Ion: 117 Resp: 4345
Ion Ratio Lower Upper
117 100
119 94.9 76.5 114.7
121 28.4 25.1 37.7



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

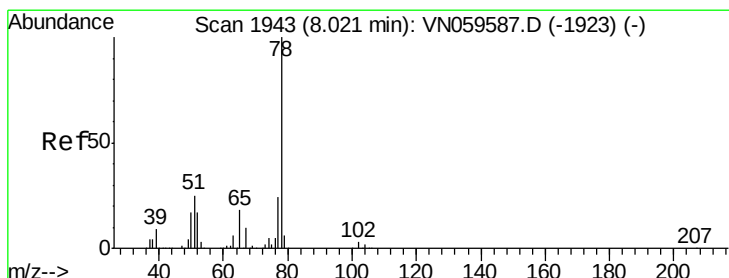
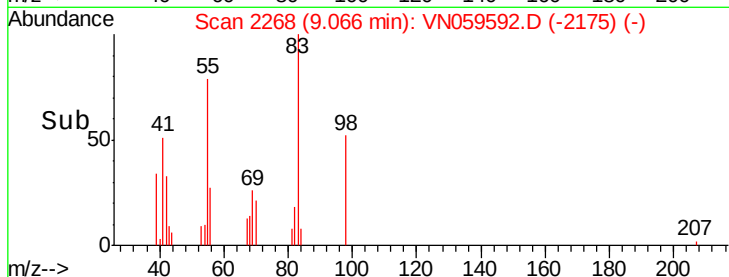
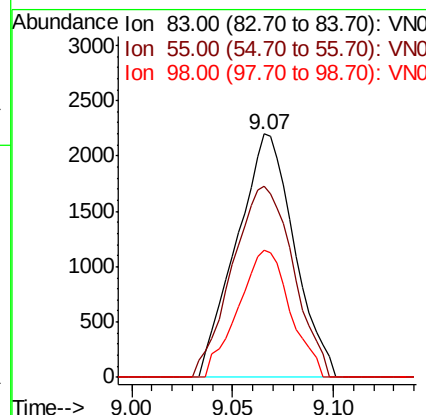
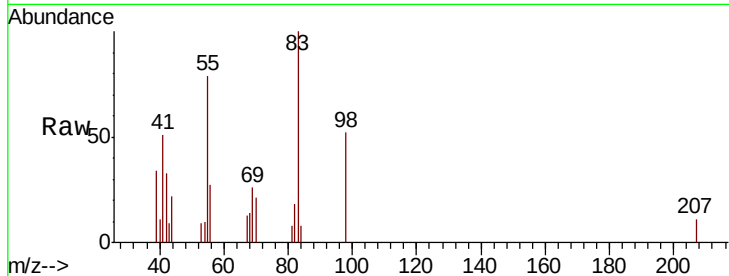




#39
Methylvlcyclohexane
Concen: 0.934 ug/l
RT: 9.07 min Scan# 2268
Delta R.T. 0.00 min
Lab File: VN059592.D
Acq: 13 Dec 2019 18:34

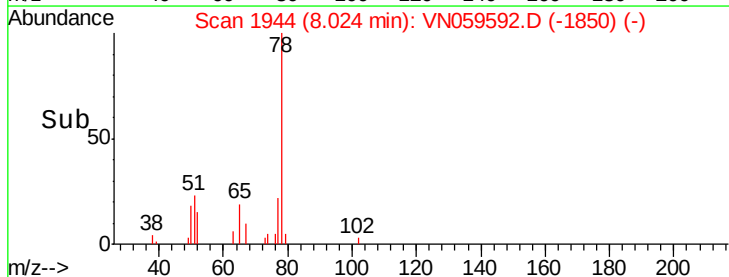
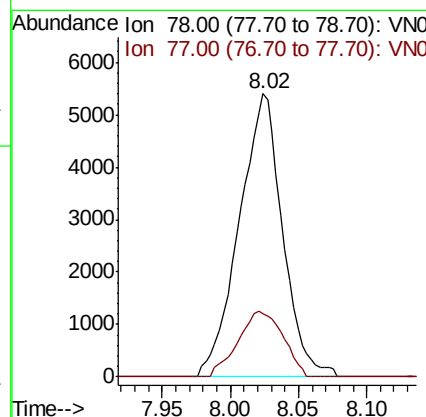
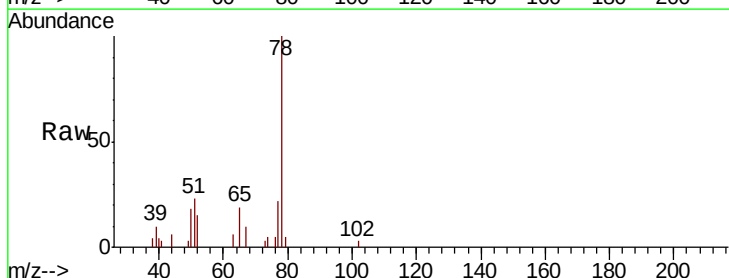
Instrument :
MSVOA_N
ClientSampleId :

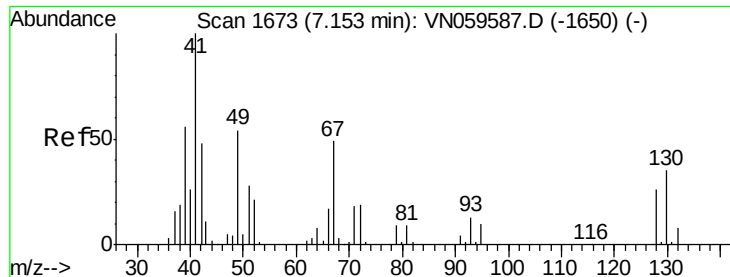
Tot Ion: 83 Resp: 4378
Ion Ratio Lower Upper
83 100
55 78.7 64.2 96.2
98 52.2 35.9 53.9



#40
Benzene
Concen: 0.994 ug/l
RT: 8.02 min Scan# 1944
Delta R.T. 0.00 min
Lab File: VN059592.D
Acq: 13 Dec 2019 18:34

Tgt Ion: 78 Resp: 11915
Ion Ratio Lower Upper
78 100
77 22.5 18.9 28.3

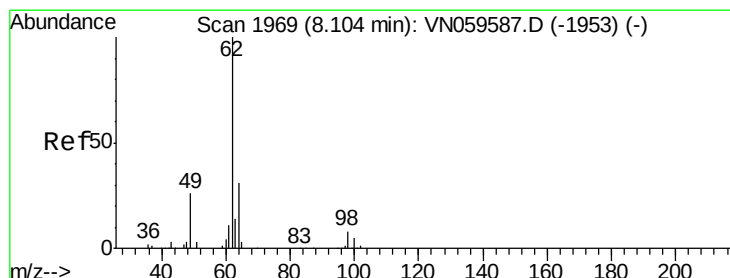
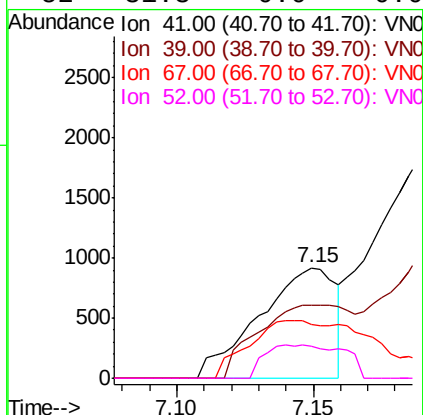
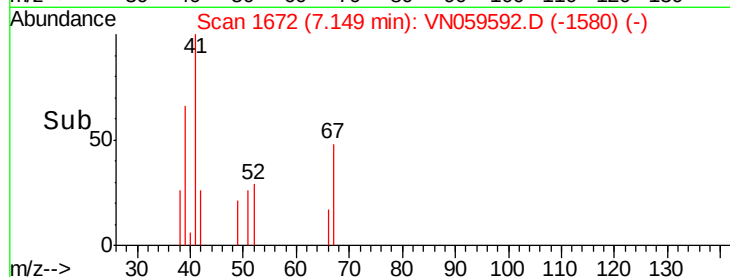
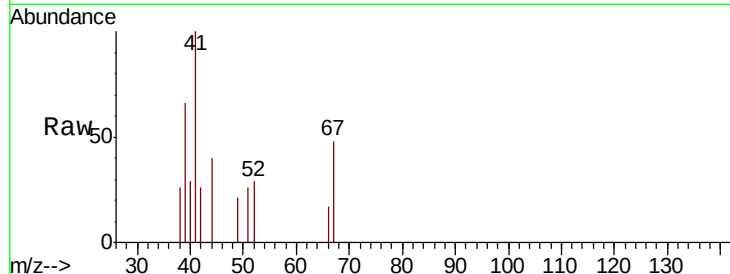




#41
Methacrylonitrile
Concen: 0.891 ug/l
RT: 7.15 min Scan# 1672
Delta R.T. -0.00 min
Lab File: VN059592.D
Acq: 13 Dec 2019 18:34

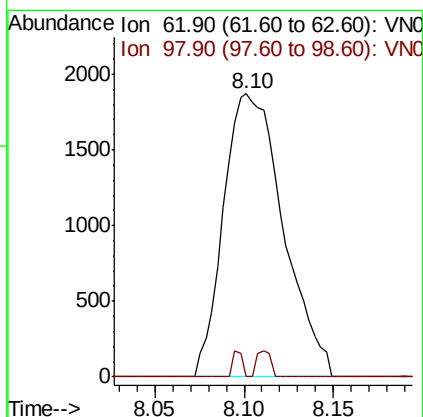
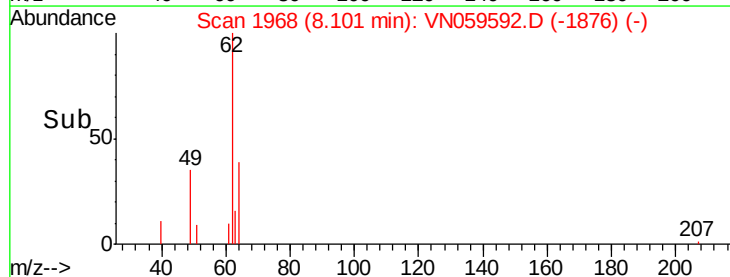
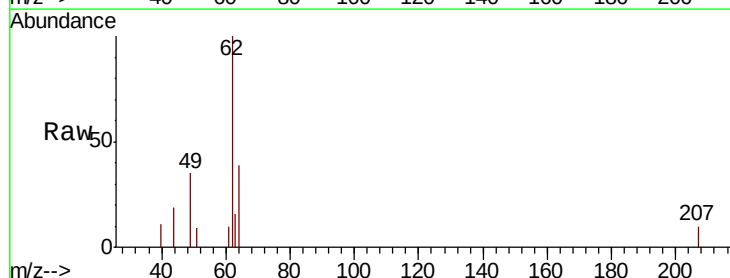
Instrument :
MSVOA_N
ClientSampleId :

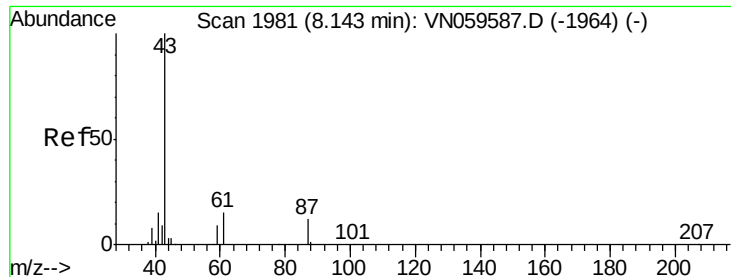
Tot Ion: 41 Resp: 1791
Ion Ratio Lower Upper
41 100
39 80.2 0.0 0.0#
67 47.6 0.0 0.0#
52 31.3 0.0 0.0#



#42
1,2-Dichloroethane
Concen: 0.975 ug/l
RT: 8.10 min Scan# 1968
Delta R.T. -0.00 min
Lab File: VN059592.D
Acq: 13 Dec 2019 18:34

Tgt Ion: 62 Resp: 4360
Ion Ratio Lower Upper
62 100
98 1.4 0.0 15.8





#43

Isopropyl Acetate

Concen: 0.922 ug/l

RT: 8.15 min Scan# 1983

Delta R.T. 0.01 min

Lab File: VN059592.D

Acq: 13 Dec 2019 18:34

Instrument :

MSVOA_N

ClientSampleId :

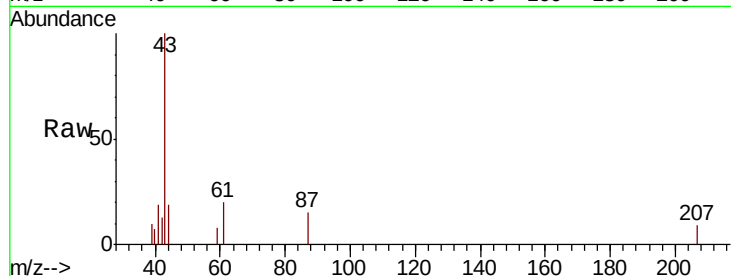
Tot Ion: 43 Resp: 6684

Ion Ratio Lower Upper

43 100

61 16.1 20.2 30.2#

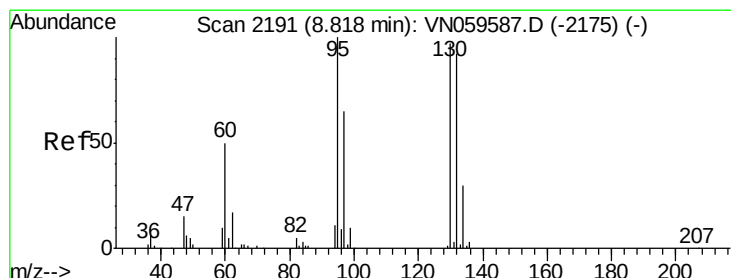
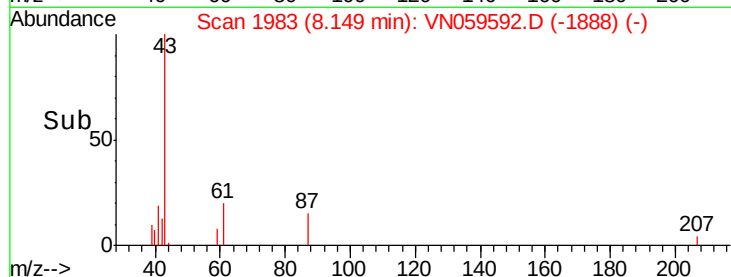
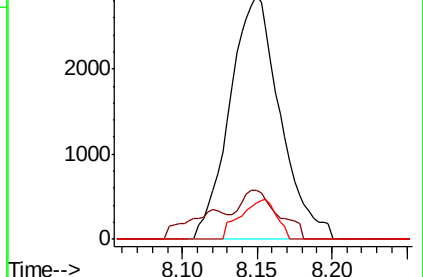
87 11.7 9.5 14.3



Abundance Ion 43.00 (42.70 to 43.70): VN059587.D (-1964) (-)

Ion 61.00 (60.70 to 61.70): VN059587.D (-1964) (-)

Ion 87.00 (86.70 to 87.70): VN059587.D (-1964) (-)



#44

Trichloroethene

Concen: 1.075 ug/l

RT: 8.82 min Scan# 2191

Delta R.T. 0.00 min

Lab File: VN059592.D

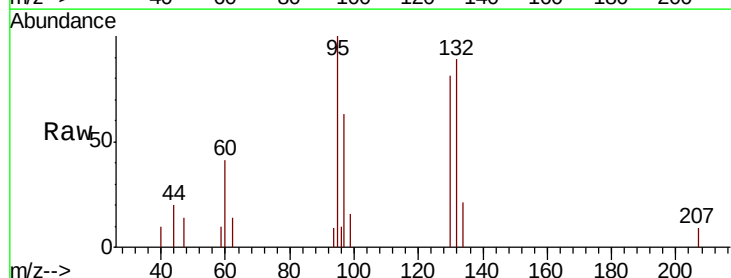
Acq: 13 Dec 2019 18:34

Tgt Ion: 130 Resp: 3264

Ion Ratio Lower Upper

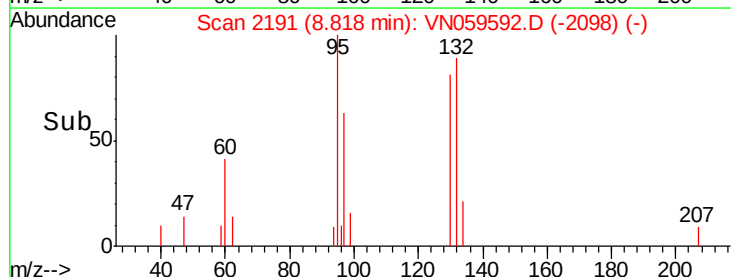
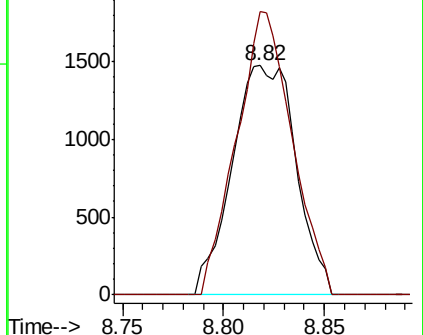
130 100

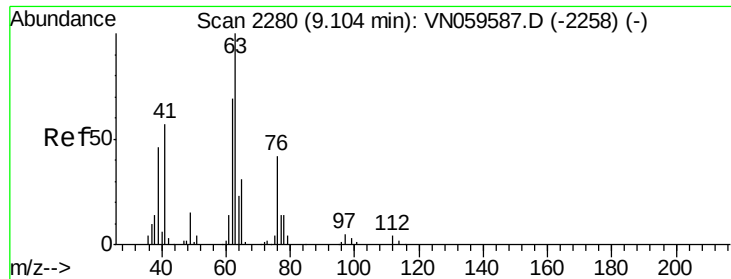
95 123.4 0.0 207.0



Abundance Ion 129.80 (129.50 to 130.50): VN059587.D (-2175) (-)

Ion 94.90 (94.60 to 95.60): VN059587.D (-2175) (-)

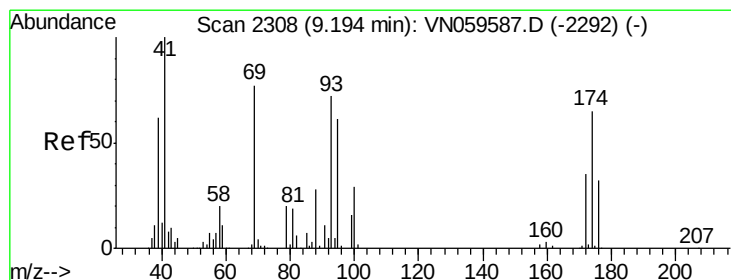
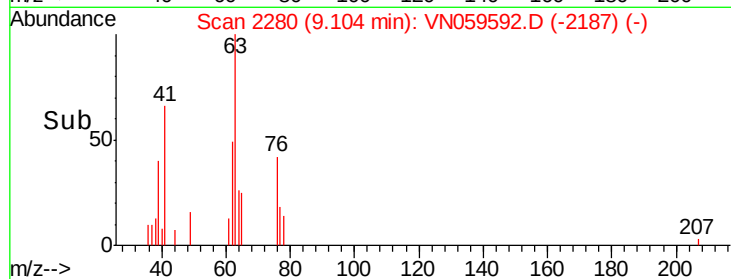
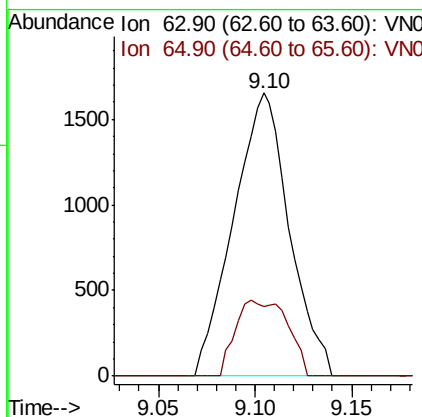
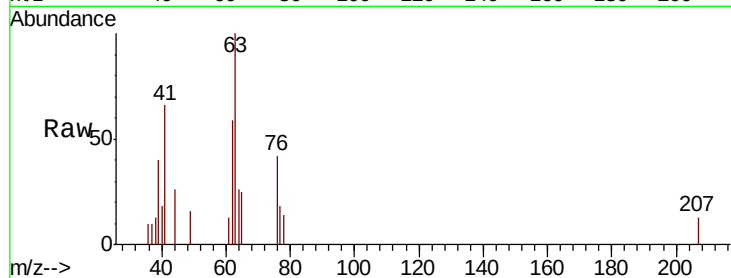




#45
 1,2-Dichloropropane
 Concen: 1.044 ug/l
 RT: 9.10 min Scan# 2280
 Delta R.T. 0.00 min
 Lab File: VN059592.D
 Acq: 13 Dec 2019 18:34

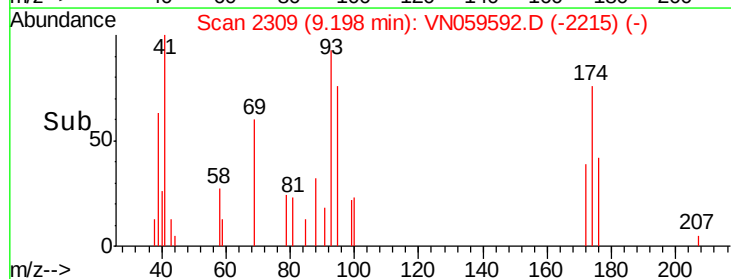
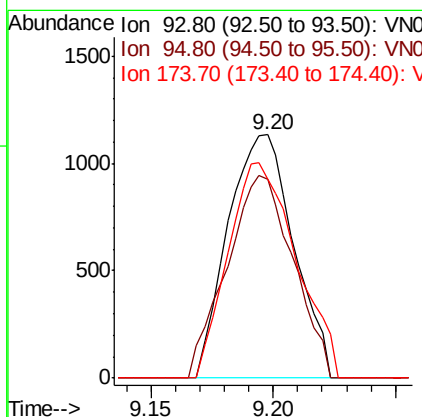
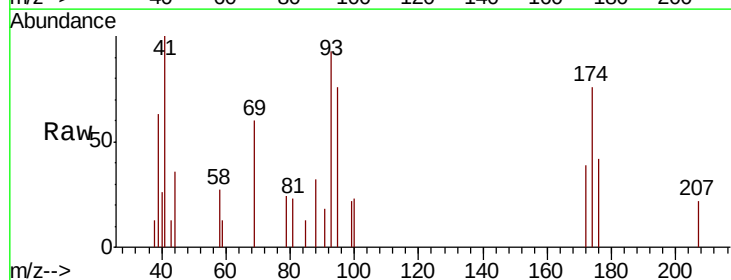
Instrument :
 MSVOA_N
 ClientSampleId :

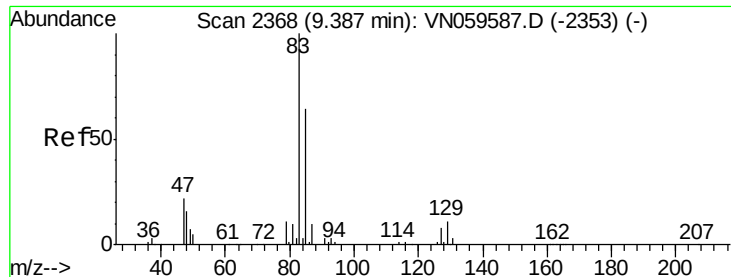
Tot Ion: 63 Resp: 3311
 Ion Ratio Lower Upper
 63 100
 65 24.6 24.9 37.3#



#46
 Dibromomethane
 Concen: 1.005 ug/l
 RT: 9.20 min Scan# 2309
 Delta R.T. 0.00 min
 Lab File: VN059592.D
 Acq: 13 Dec 2019 18:34

Tgt Ion: 93 Resp: 2113
 Ion Ratio Lower Upper
 93 100
 95 84.1 67.0 100.6
 174 91.7 73.4 110.2





#47

Bromodichloromethane

Concen: 0.912 ug/l

RT: 9.39 min Scan# 2369

Delta R.T. 0.00 min

Lab File: VN059592.D

Acq: 13 Dec 2019 18:34

Instrument :

MSVOA_N

ClientSampled :

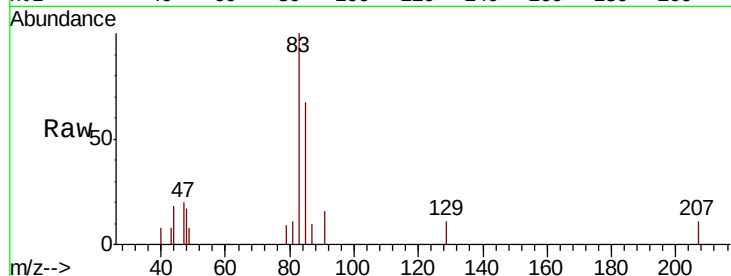
Tot Ion: 83 Resp: 3802

Ion Ratio Lower Upper

83 100

85 67.3 51.1 76.7

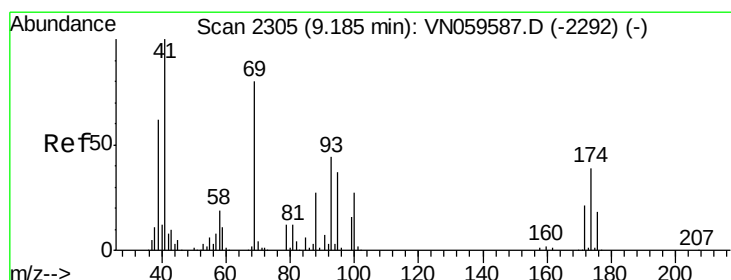
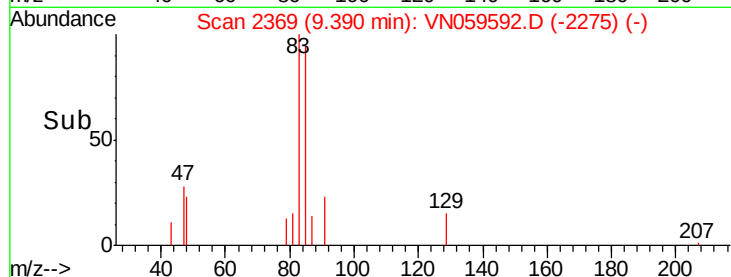
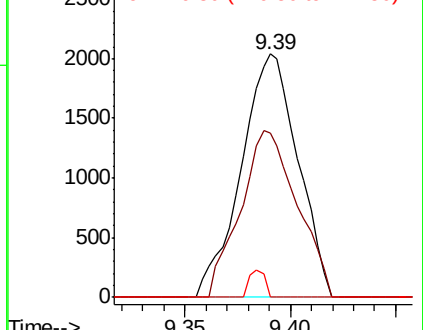
127 0.0 6.6 9.8#



Abundance Ion 82.90 (82.60 to 83.60): VN059587.D (-2353) (-)

Ion 84.90 (84.60 to 85.60): VN059587.D (-2353) (-)

Ion 126.80 (126.50 to 127.50): VN059587.D (-2353) (-)



#48

Methyl methacrylate

Concen: 0.966 ug/l

RT: 9.19 min Scan# 2306

Delta R.T. 0.00 min

Lab File: VN059592.D

Acq: 13 Dec 2019 18:34

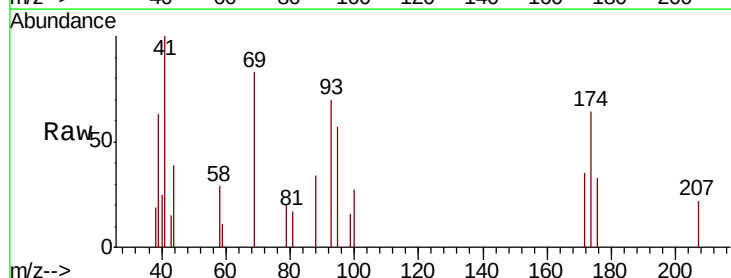
Tgt Ion: 41 Resp: 3075

Ion Ratio Lower Upper

41 100

69 65.5 64.4 96.6

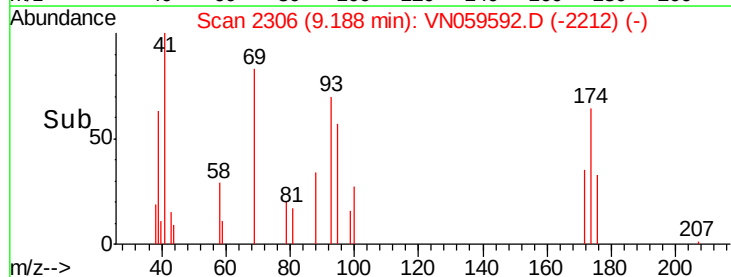
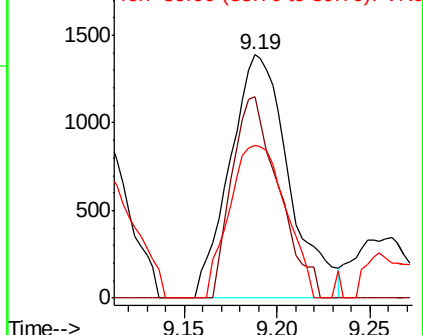
39 59.8 51.3 76.9

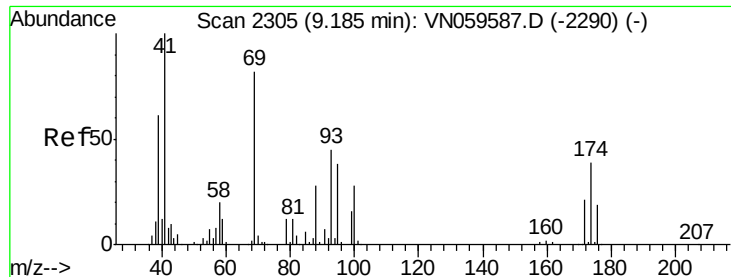


Abundance Ion 41.00 (40.70 to 41.70): VN059587.D (-2292) (-)

Ion 69.00 (68.70 to 69.70): VN059587.D (-2292) (-)

Ion 39.00 (38.70 to 39.70): VN059587.D (-2292) (-)

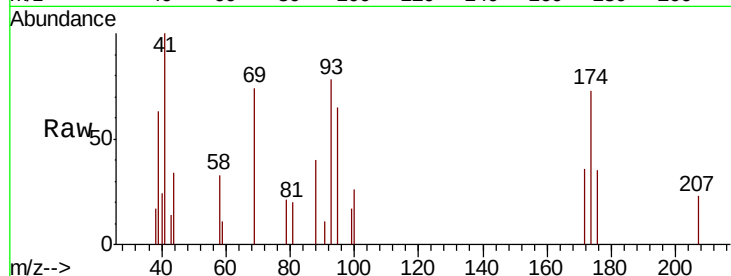




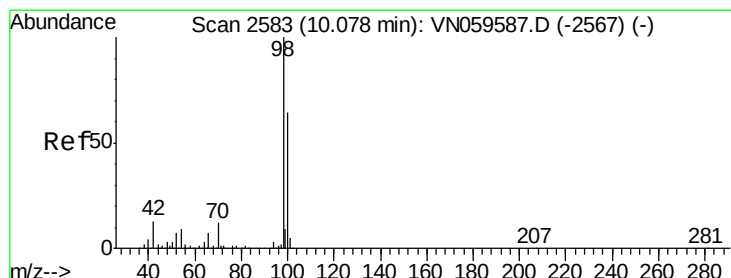
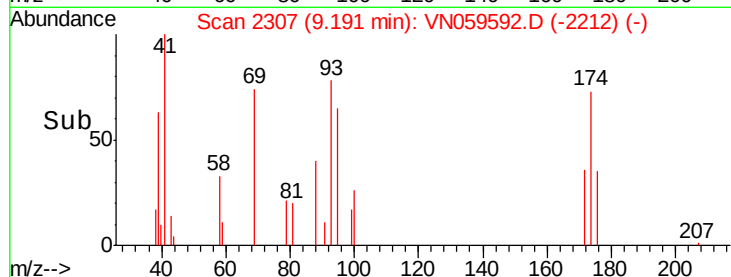
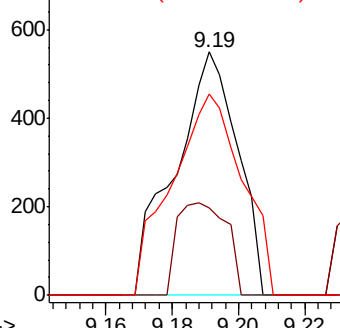
#49
1,4-Dioxane
Concen: 16.885 ug/l
RT: 9.19 min Scan# 2307
Delta R.T. 0.01 min
Lab File: VN059592.D
Acq: 13 Dec 2019 18:34

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 88 Resp: 719
Ion Ratio Lower Upper
88 100
43 30.2 29.7 44.5
58 93.2 56.6 85.0#

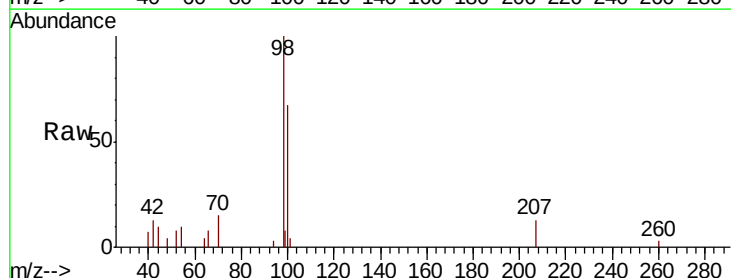


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

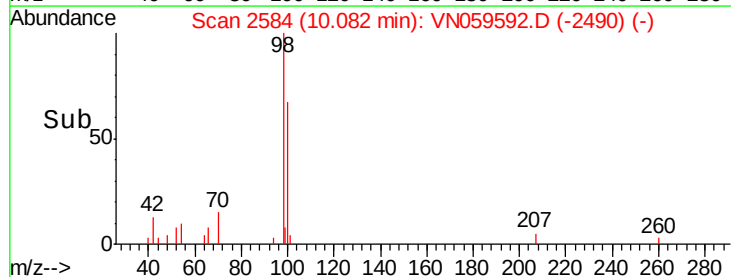
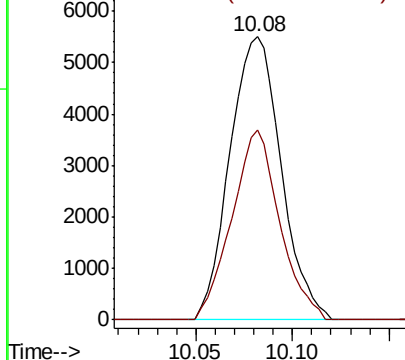


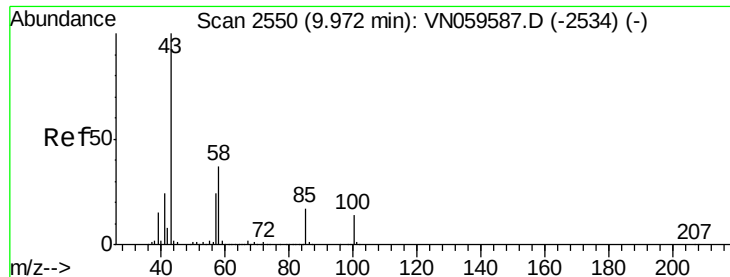
#50
Toluene-d8
Concen: 1.011 ug/l
RT: 10.08 min Scan# 2584
Delta R.T. 0.00 min
Lab File: VN059592.D
Acq: 13 Dec 2019 18:34

Tgt Ion: 98 Resp: 10136
Ion Ratio Lower Upper
98 100
100 62.7 51.2 76.8



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: 4.512 ug/l

RT: 9.98 min Scan# 2551

Delta R.T. 0.00 min

Lab File: VN059592.D

Acq: 13 Dec 2019 18:34

Instrument :

MSVOA_N

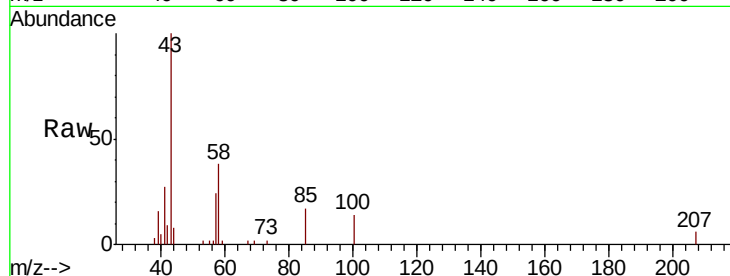
ClientSampled :

Tot Ion: 43 Resp: 19022

Ion Ratio Lower Upper

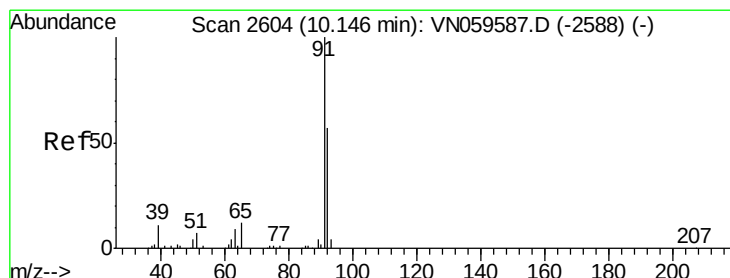
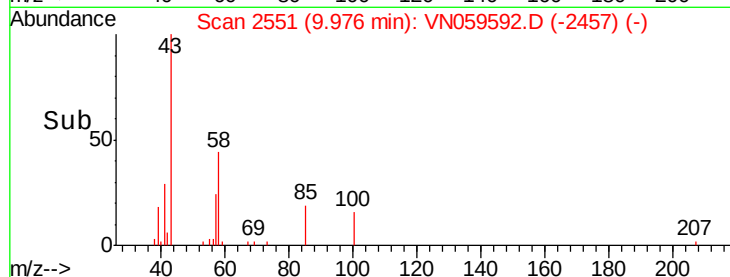
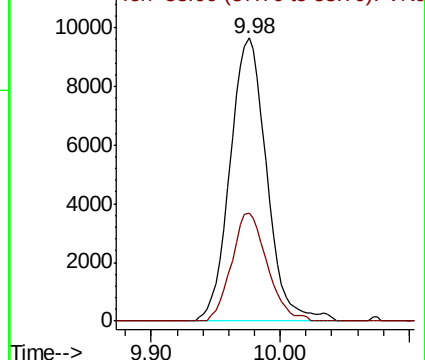
43 100

58 37.1 29.8 44.8



Abundance Ion 43.00 (42.70 to 43.70): VN059587.D

Ion 58.00 (57.70 to 58.70): VN059587.D



#52

Toluene

Concen: 1.031 ug/l

RT: 10.15 min Scan# 2604

Delta R.T. 0.00 min

Lab File: VN059592.D

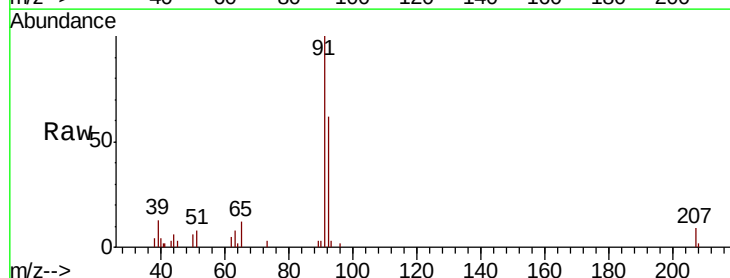
Acq: 13 Dec 2019 18:34

Tgt Ion: 92 Resp: 7373

Ion Ratio Lower Upper

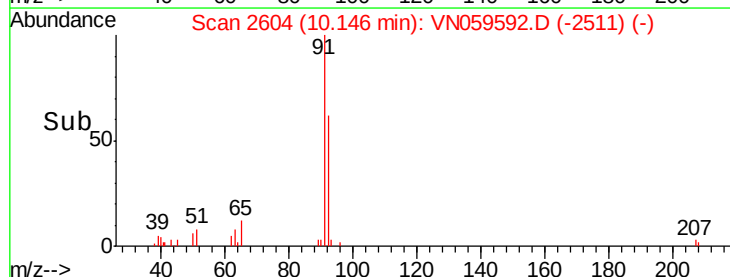
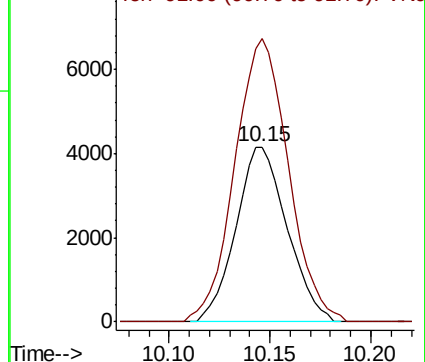
92 100

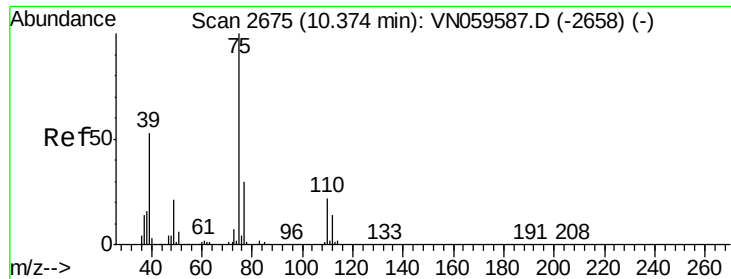
91 169.8 140.4 210.6



Abundance Ion 92.00 (91.70 to 92.70): VN059587.D

Ion 91.00 (90.70 to 91.70): VN059587.D





#53

t-1,3-Dichloropropene

Concen: 0.910 ug/l

RT: 10.38 min Scan# 2676

Delta R.T. 0.00 min

Lab File: VN059592.D

Acq: 13 Dec 2019 18:34

Instrument :

MSVOA_N

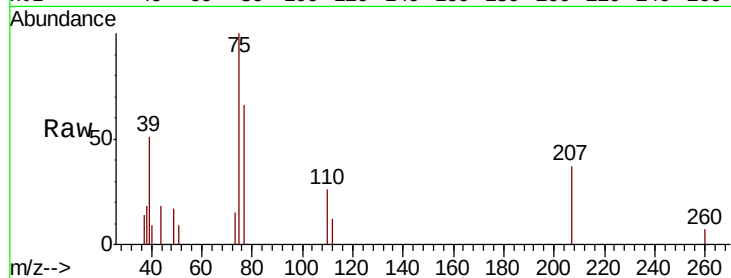
ClientSampled :

Tot Ion: 75 Resp: 4428

Ion Ratio Lower Upper

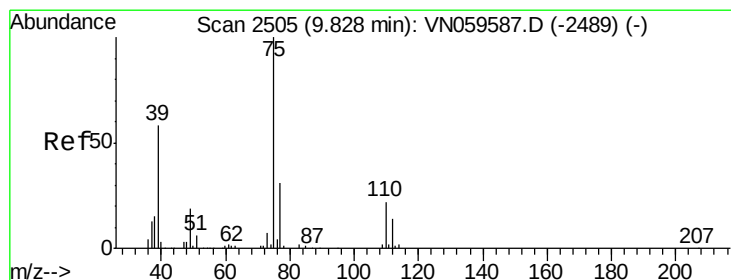
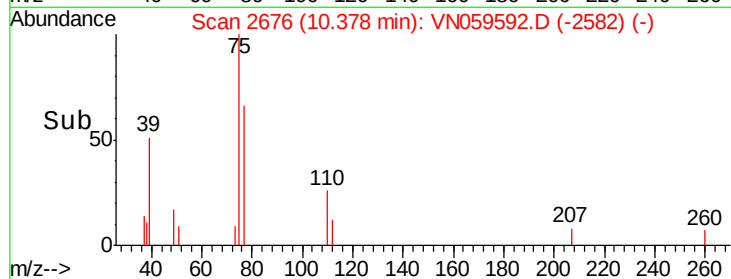
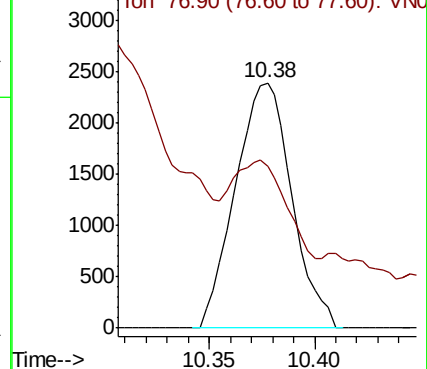
75 100

77 37.3 25.4 38.2



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 0.956 ug/l

RT: 9.83 min Scan# 2505

Delta R.T. 0.00 min

Lab File: VN059592.D

Acq: 13 Dec 2019 18:34

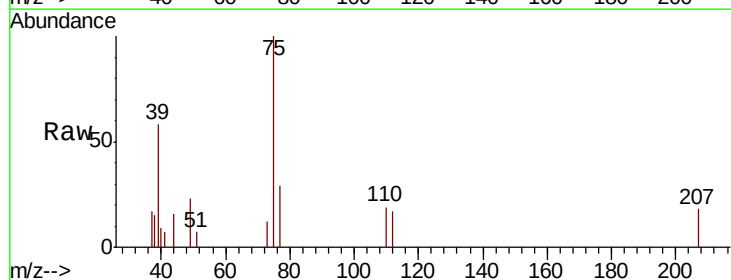
Tgt Ion: 75 Resp: 4767

Ion Ratio Lower Upper

75 100

77 29.2 25.1 37.7

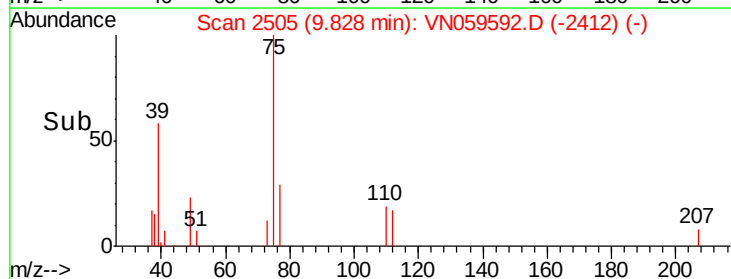
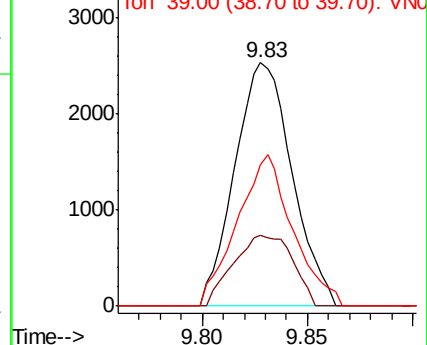
39 57.8 46.1 69.1

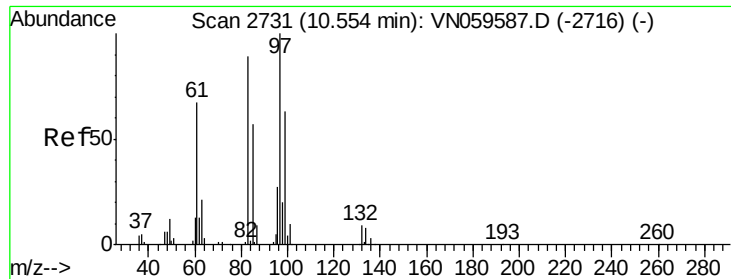


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

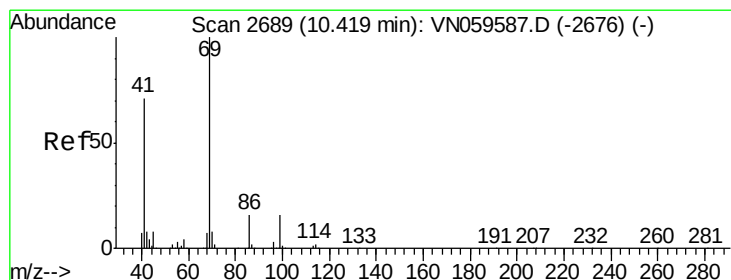
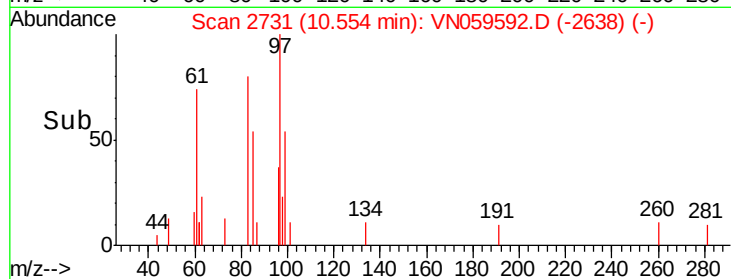
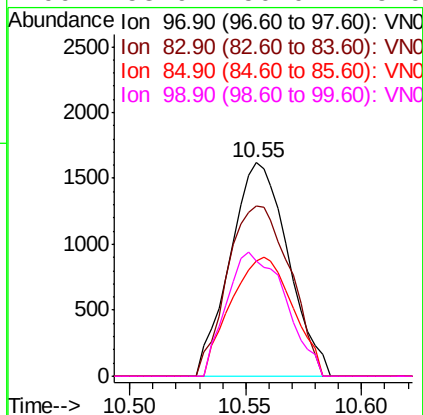
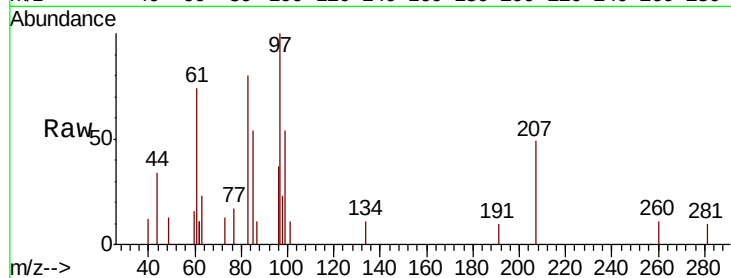




#55
 1,1,2-Trichloroethane
 Concen: 0.971 ug/l
 RT: 10.55 min Scan# 2731
 Delta R.T. 0.00 min
 Lab File: VN059592.D
 Acq: 13 Dec 2019 18:34

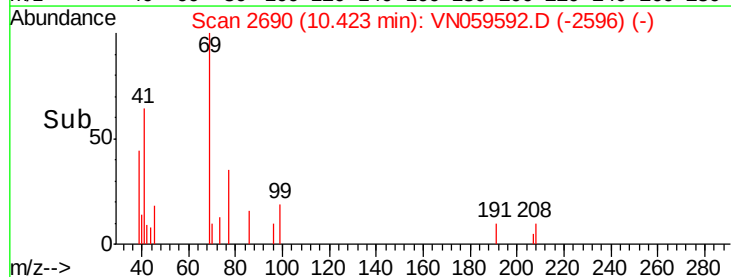
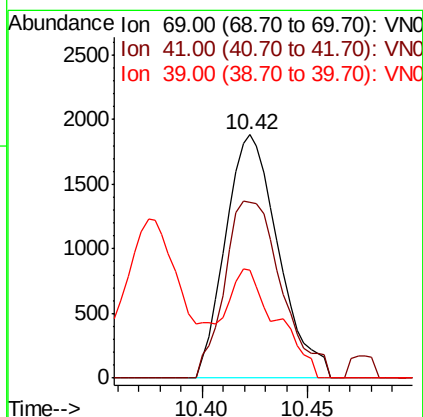
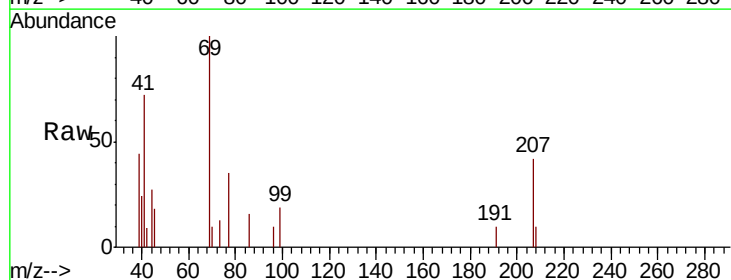
Instrument :
 MSVOA_N
 ClientSampled :

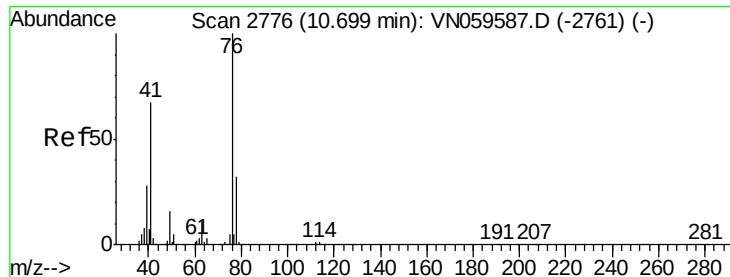
Tot Ion:	97	Resp:	2807
Ion	Ratio	Lower	Upper
97	100		
83	79.8	71.3	106.9
85	54.0	45.8	68.8
99	53.9	50.0	75.0



#56
 Ethyl methacrylate
 Concen: 0.768 ug/l
 RT: 10.42 min Scan# 2690
 Delta R.T. 0.00 min
 Lab File: VN059592.D
 Acq: 13 Dec 2019 18:34

Tgt Ion:	69	Resp:	3281
Ion	Ratio	Lower	Upper
69	100		
41	78.1	57.1	85.7
39	41.5	34.7	52.1





#57

1,3-Dichloropropane

Concen: 0.963 ug/l

RT: 10.70 min Scan# 2776

Delta R.T. 0.00 min

Lab File: VN059592.D

Acq: 13 Dec 2019 18:34

Instrument :

MSVOA_N

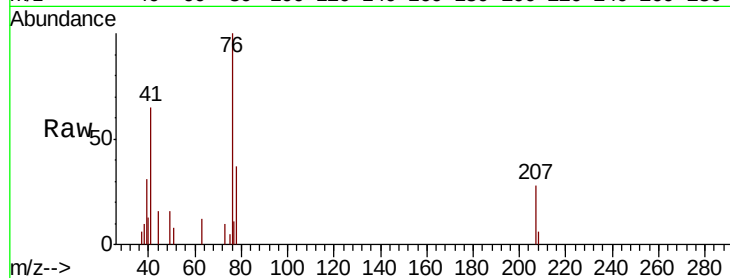
ClientSampled :

Tot Ion: 76 Resp: 4761

Ion Ratio Lower Upper

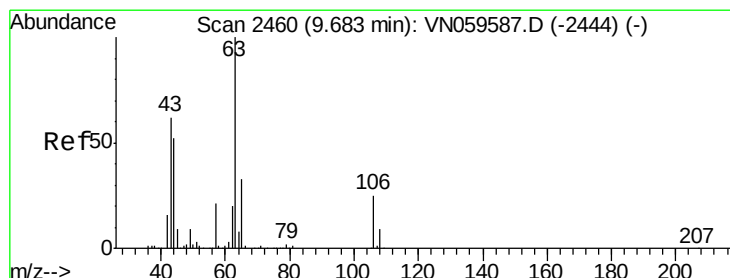
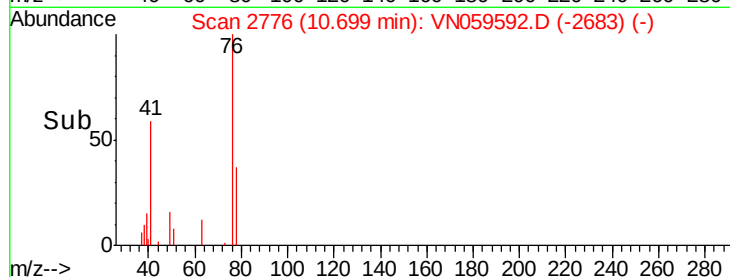
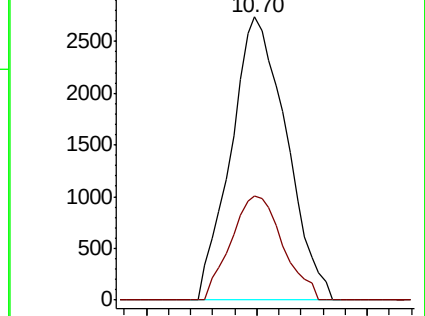
76 100

78 34.6 25.8 38.8



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 4.285 ug/l

RT: 9.69 min Scan# 2462

Delta R.T. 0.01 min

Lab File: VN059592.D

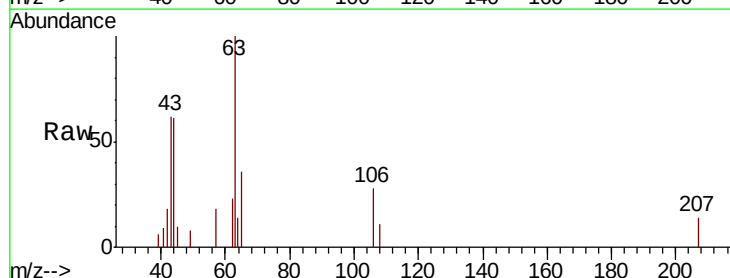
Acq: 13 Dec 2019 18:34

Tgt Ion: 63 Resp: 5801

Ion Ratio Lower Upper

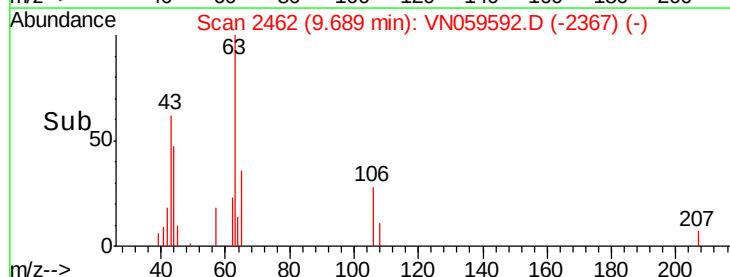
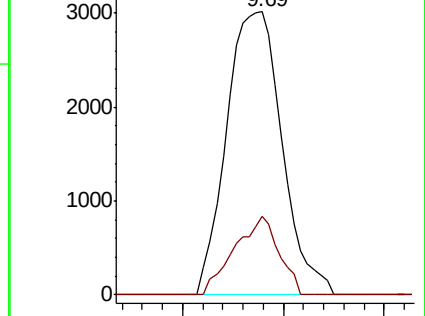
63 100

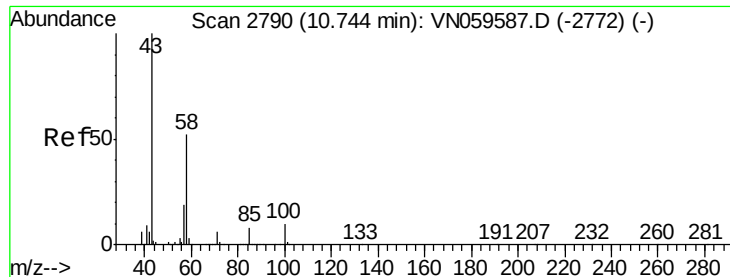
106 22.3 20.2 30.2



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

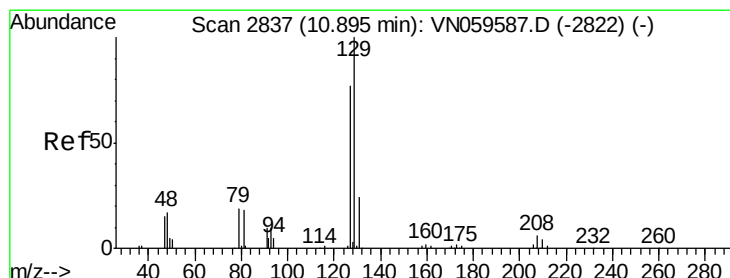
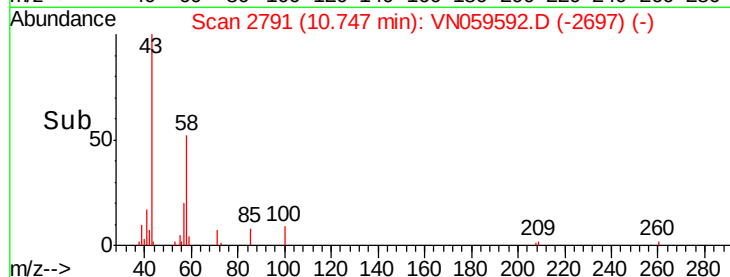
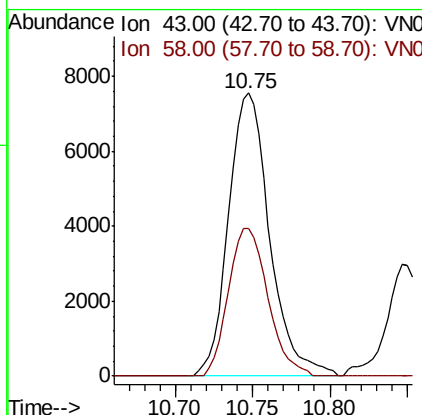
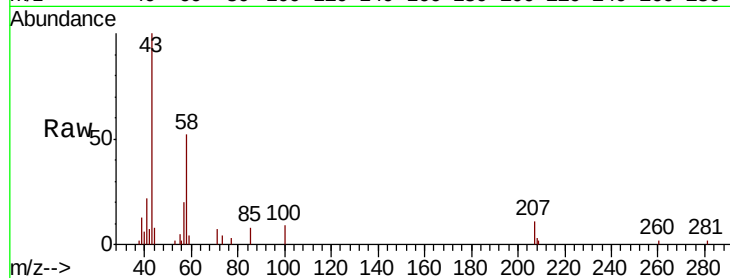




#59
2-Hexanone
Concen: 4.360 ug/l
RT: 10.75 min Scan# 2791
Delta R.T. 0.00 min
Lab File: VN059592.D
Acq: 13 Dec 2019 18:34

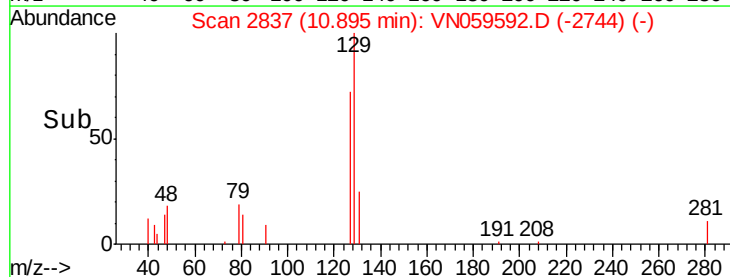
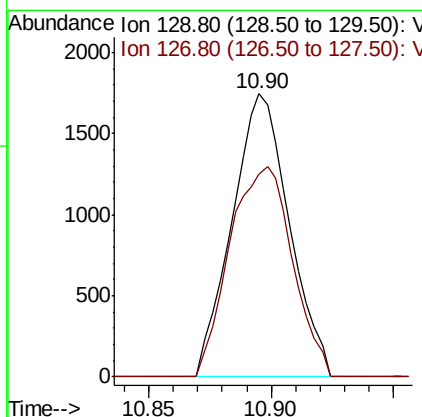
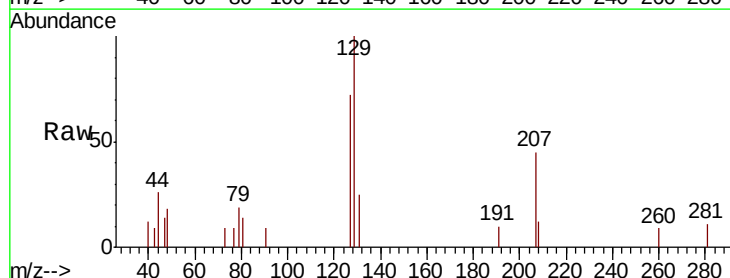
Instrument :
MSVOA_N
ClientSampled :

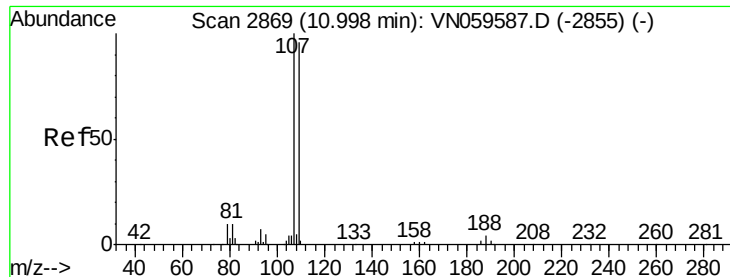
Tot Ion: 43 Resp: 13932
Ion Ratio Lower Upper
43 100
58 50.2 25.8 77.3



#60
Dibromochloromethane
Concen: 0.903 ug/l
RT: 10.90 min Scan# 2837
Delta R.T. 0.00 min
Lab File: VN059592.D
Acq: 13 Dec 2019 18:34

Tgt Ion: 129 Resp: 2832
Ion Ratio Lower Upper
129 100
127 81.6 38.5 115.5

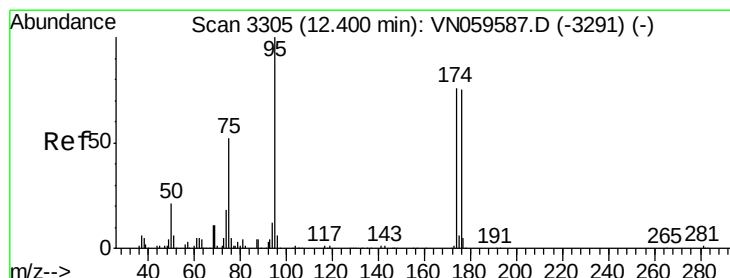
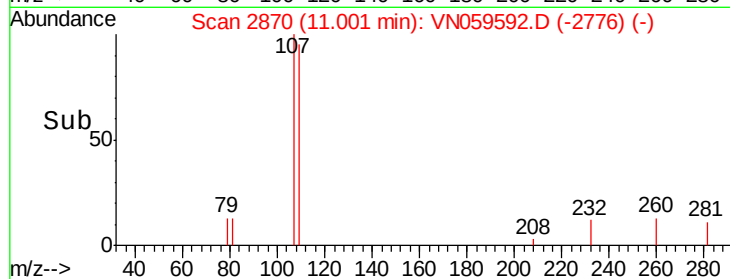
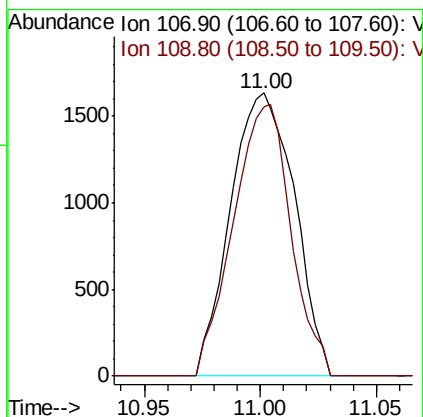
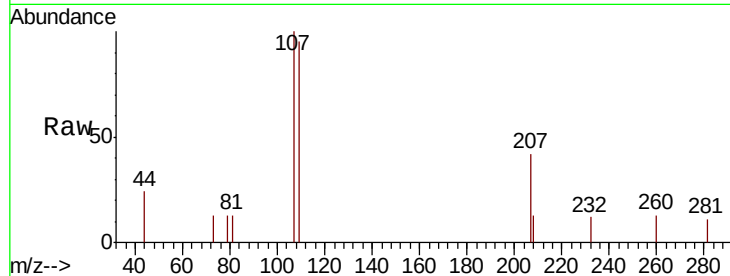




#61
 1,2-Dibromoethane
 Concen: 1.042 ug/l
 RT: 11.00 min Scan# 2870
 Delta R.T. 0.00 min
 Lab File: VN059592.D
 Acq: 13 Dec 2019 18:34

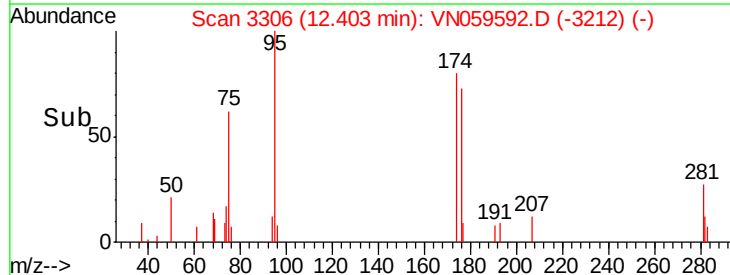
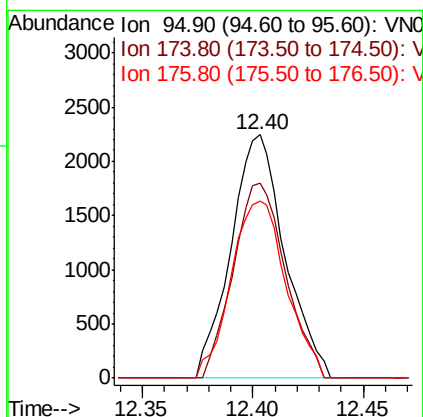
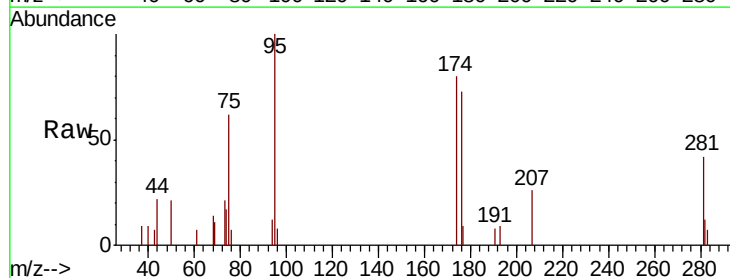
Instrument :
 MSVOA_N
 ClientSampleId :

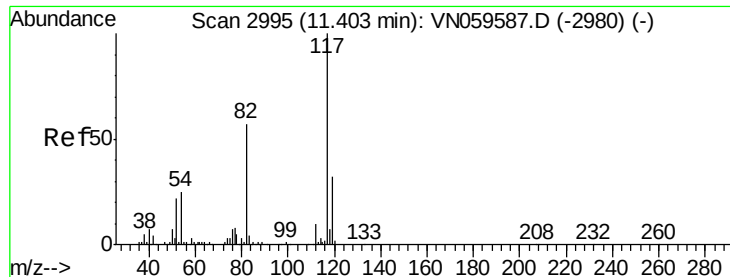
Tot Ion:107 Resp: 3132
 Ion Ratio Lower Upper
 107 100
 109 86.5 76.6 115.0



#62
 4-Bromofluorobenzene
 Concen: 1.049 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN059592.D
 Acq: 13 Dec 2019 18:34

Tgt Ion: 95 Resp: 3804
 Ion Ratio Lower Upper
 95 100
 174 77.6 0.0 151.4
 176 74.1 0.0 146.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2995

Delta R.T. 0.00 min

Lab File: VN059592.D

Acq: 13 Dec 2019 18:34

Instrument :

MSVOA_N

ClientSampleId :

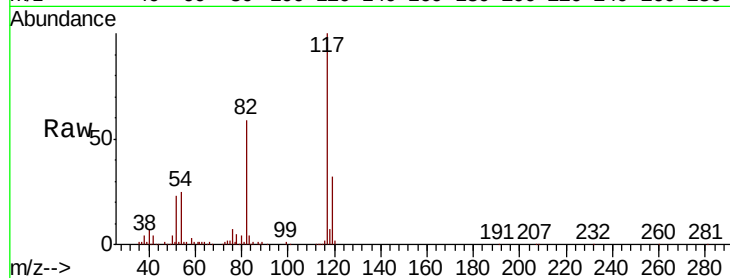
Tot Ion:117 Resp: 350704

Ion Ratio Lower Upper

117 100

82 58.6 45.9 68.9

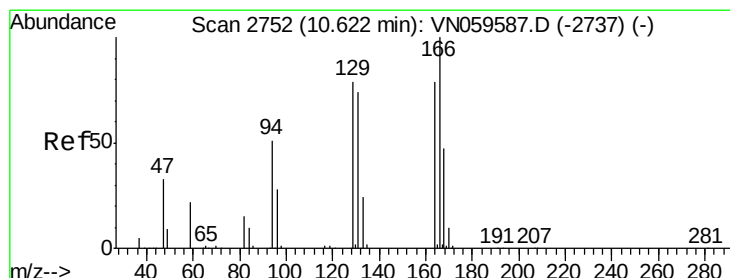
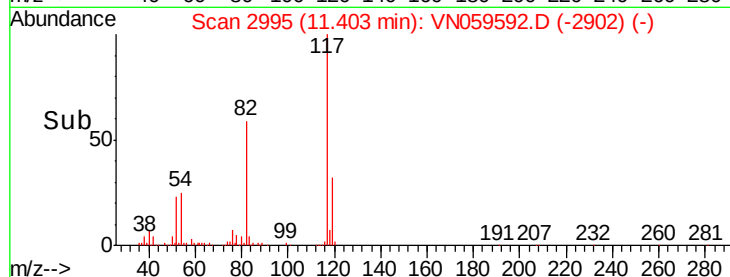
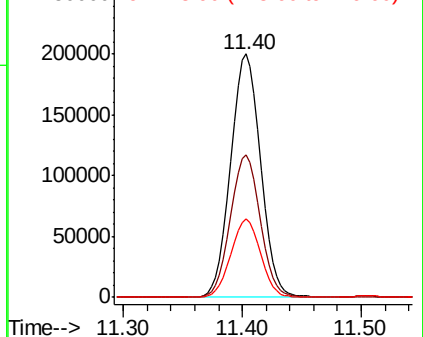
119 32.1 25.5 38.3



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 1.321 ug/l

RT: 10.63 min Scan# 2753

Delta R.T. 0.00 min

Lab File: VN059592.D

Acq: 13 Dec 2019 18:34

Tgt Ion:164 Resp: 3595

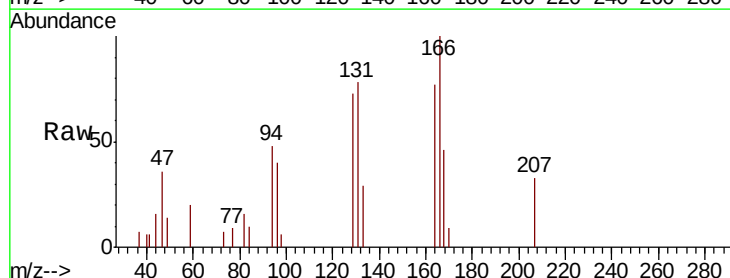
Ion Ratio Lower Upper

164 100

166 130.3 101.4 152.0

129 95.5 80.2 120.4

131 101.6 75.0 112.4

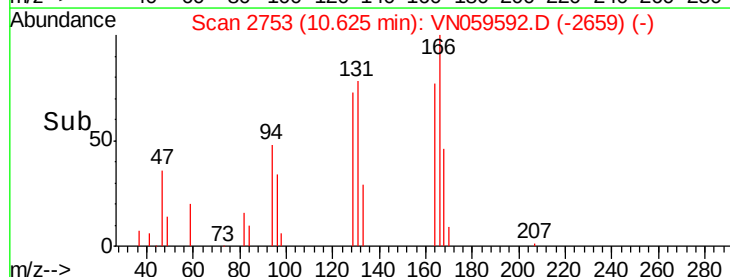
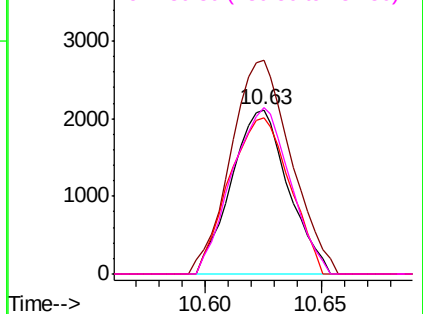


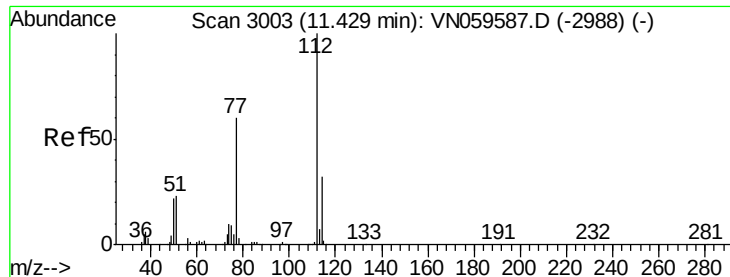
Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 0.991 ug/l

RT: 11.43 min Scan# 3003

Delta R.T. 0.00 min

Lab File: VN059592.D

Acq: 13 Dec 2019 18:34

Instrument :

MSVOA_N

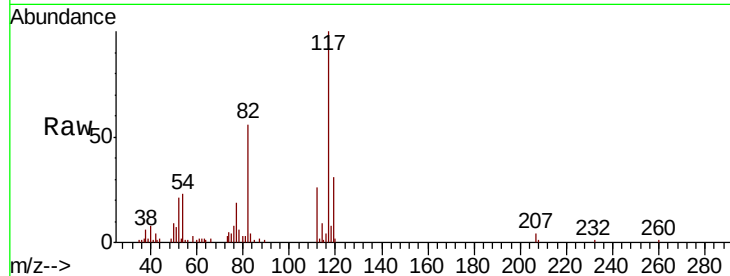
ClientSampleId :

Tot Ion:112 Resp: 7423

Ion Ratio Lower Upper

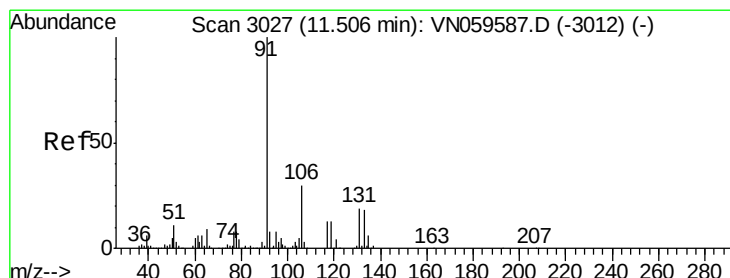
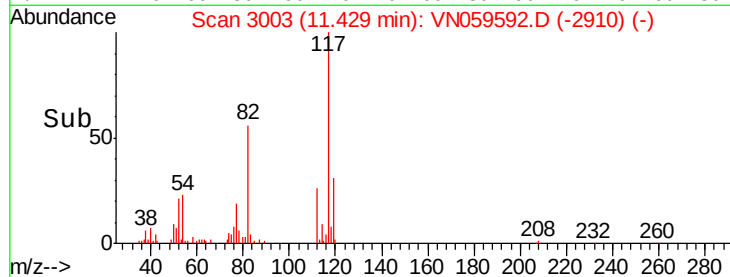
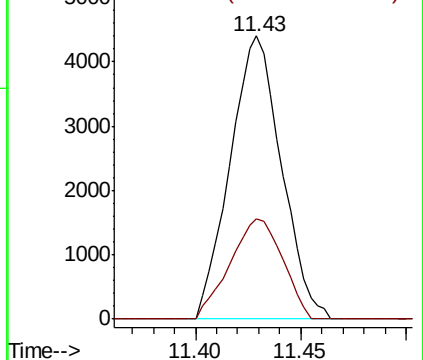
112 100

114 35.6 25.8 38.8



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 0.993 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. 0.00 min

Lab File: VN059592.D

Acq: 13 Dec 2019 18:34

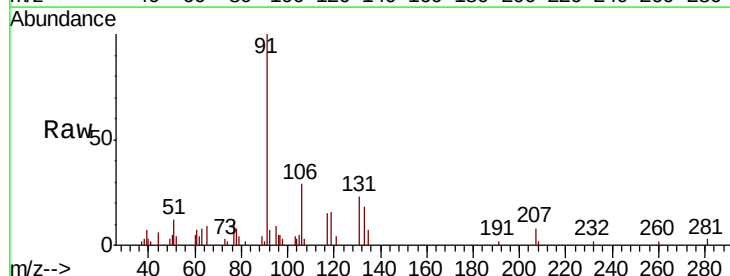
Tgt Ion:131 Resp: 2777

Ion Ratio Lower Upper

131 100

133 100.8 47.4 142.2

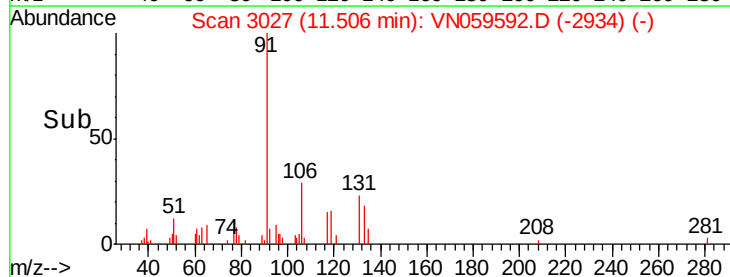
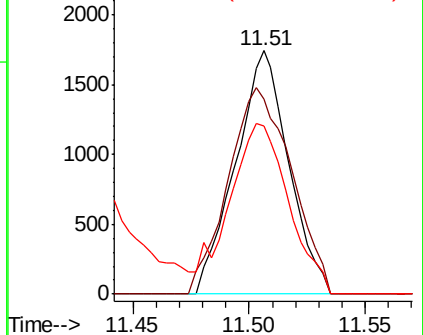
119 0.0 33.1 99.3#

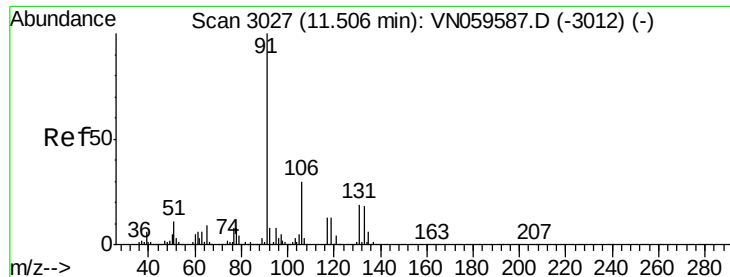


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 0.978 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. 0.00 min

Lab File: VN059592.D

Acq: 13 Dec 2019 18:34

Instrument :

MSVOA_N

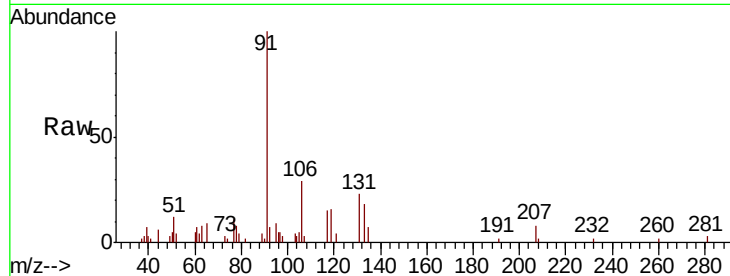
ClientSampleId :

Tot Ion: 91 Resp: 13160

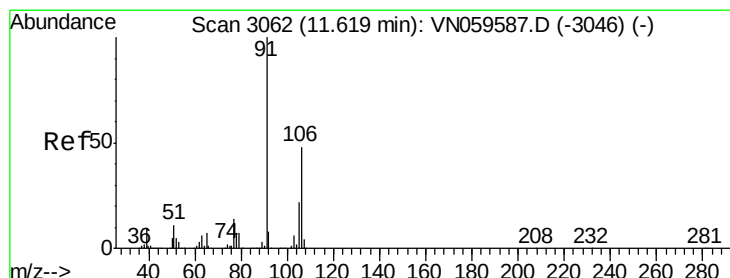
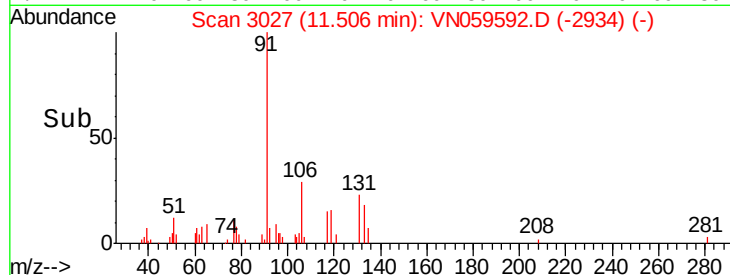
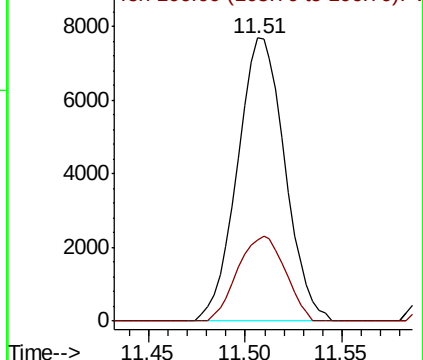
Ion Ratio Lower Upper

91 100

106 28.6 24.1 36.1



Abundance Ion 91.00 (90.70 to 91.70): VN059587.D (-3012) (-)



#68

m/p-Xylenes

Concen: 1.867 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. 0.00 min

Lab File: VN059592.D

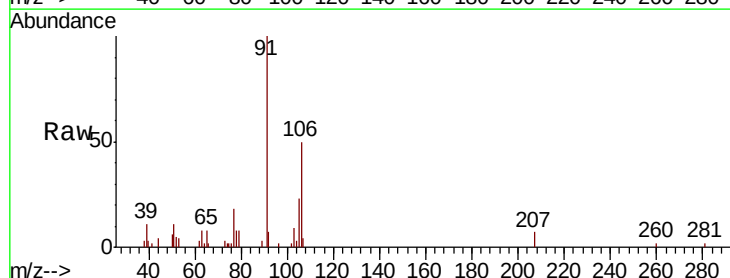
Acq: 13 Dec 2019 18:34

Tgt Ion: 106 Resp: 9304

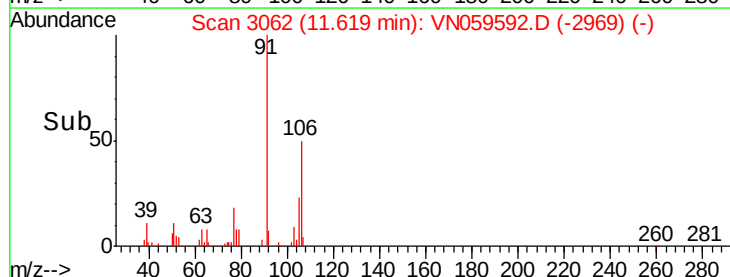
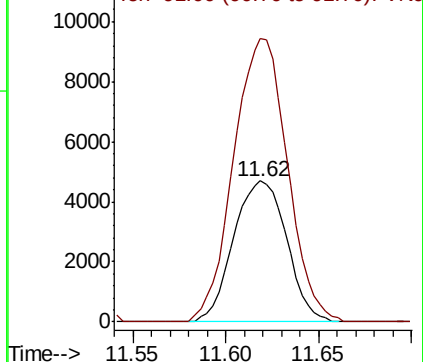
Ion Ratio Lower Upper

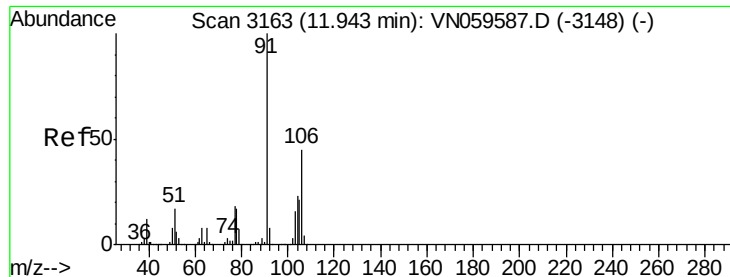
106 100

91 204.1 167.9 251.9



Abundance Ion 106.00 (105.70 to 106.70): VN059587.D (-3046) (-)

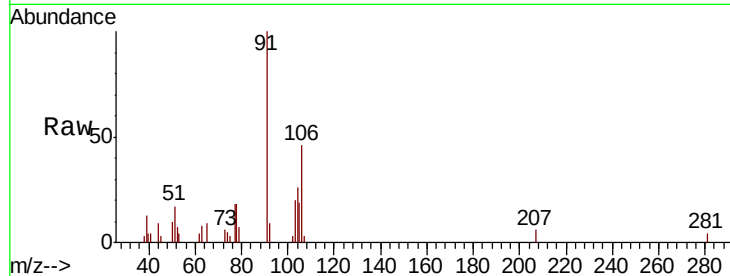




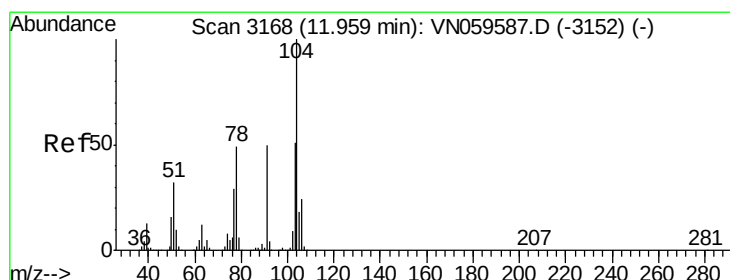
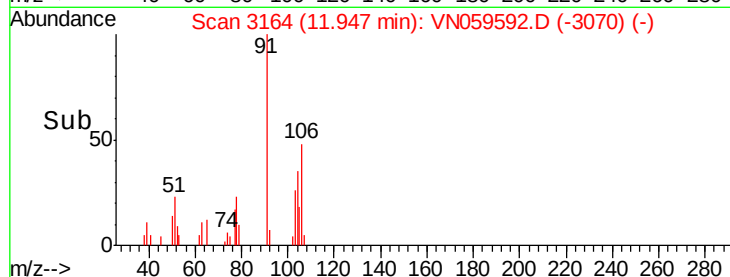
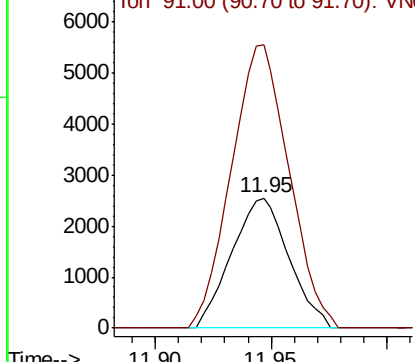
#69
o-Xylene
Concen: 0.936 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN059592.D
Acq: 13 Dec 2019 18:34

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:106 Resp: 4357
Ion Ratio Lower Upper
106 100
91 219.7 110.3 330.9

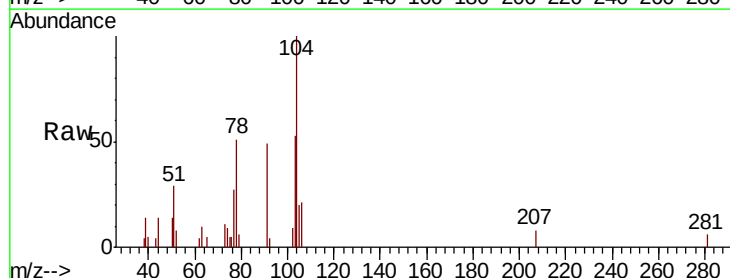


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

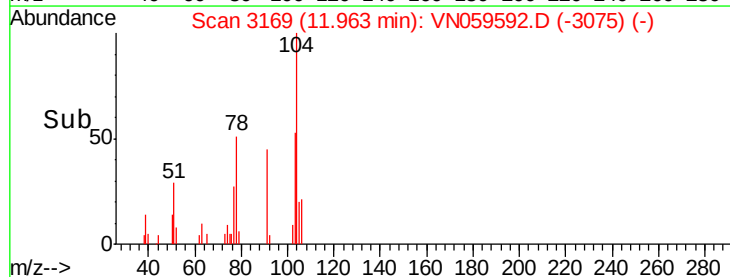
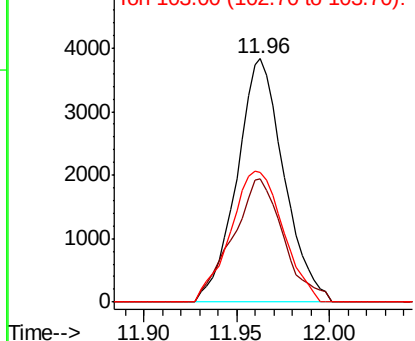


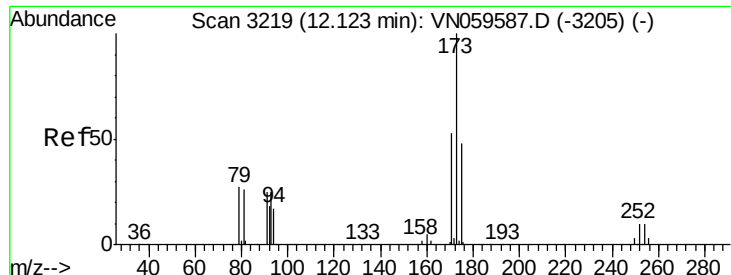
#70
Styrene
Concen: 0.875 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN059592.D
Acq: 13 Dec 2019 18:34

Tgt Ion:104 Resp: 6741
Ion Ratio Lower Upper
104 100
78 55.1 42.4 63.6
103 60.2 43.9 65.9



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VN
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 0.795 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN059592.D

Acq: 13 Dec 2019 18:34

Instrument :

MSVOA_N

ClientSampled :

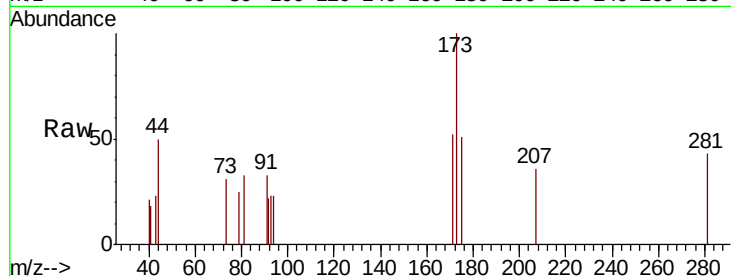
Tot Ion:173 Resp: 1725

Ion Ratio Lower Upper

173 100

175 44.6 23.8 71.4

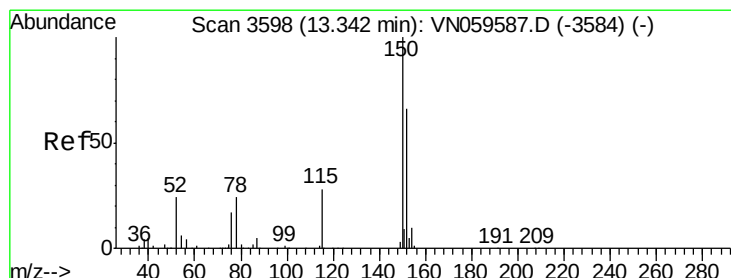
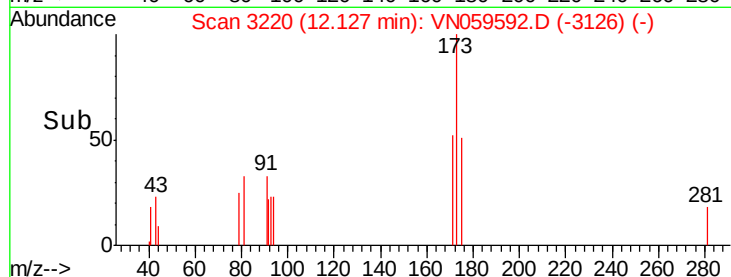
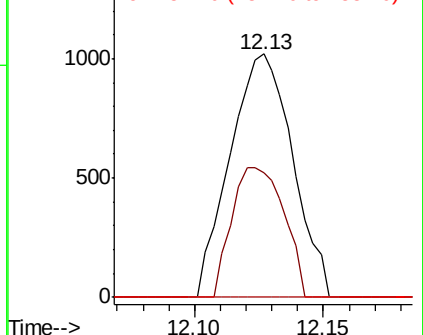
254 0.0 0.0 0.0



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: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN059592.D

Acq: 13 Dec 2019 18:34

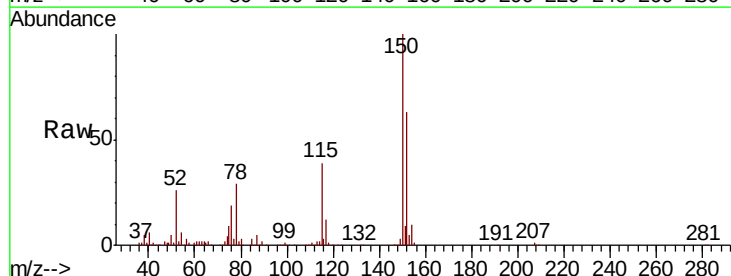
Tgt Ion:152 Resp: 147265

Ion Ratio Lower Upper

152 100

115 61.6 30.3 90.9

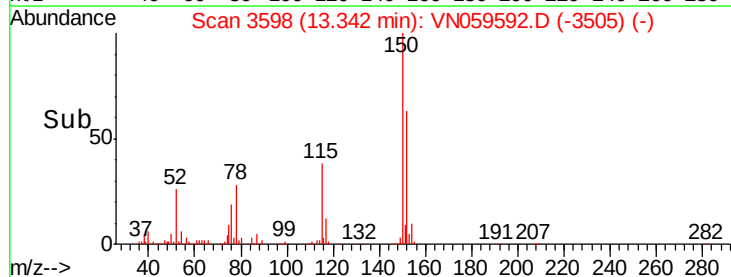
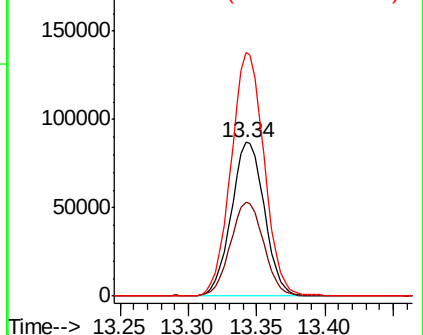
150 158.5 0.0 345.2

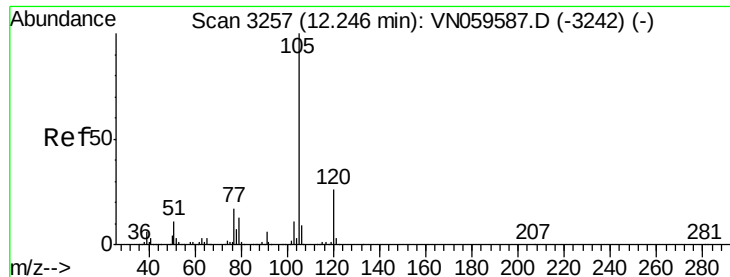


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 0.990 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. 0.00 min

Lab File: VN059592.D

Acq: 13 Dec 2019 18:34

Instrument :

MSVOA_N

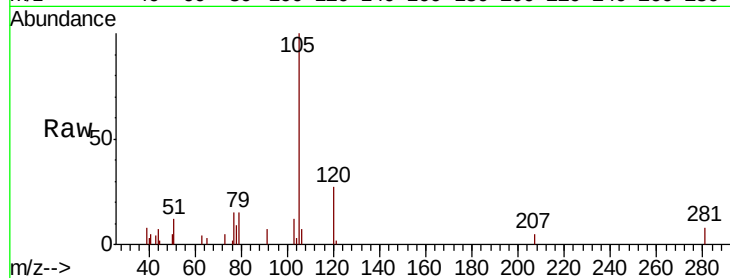
ClientSampleId :

Tot Ion:105 Resp: 11401

Ion Ratio Lower Upper

105 100

120 25.2 13.2 39.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

8000

6000

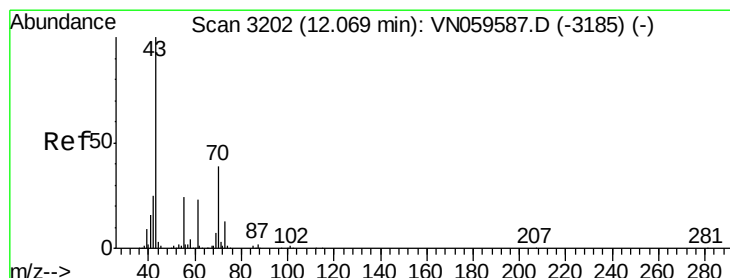
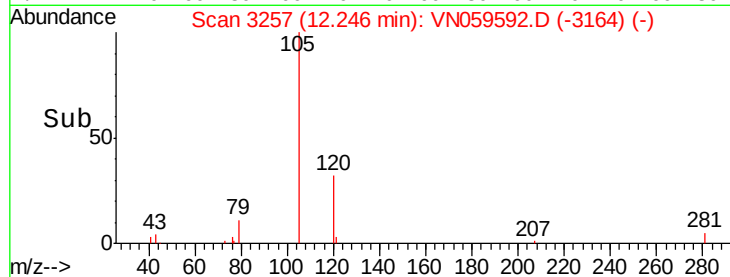
4000

2000

0

12.20 12.25 12.30

Time-->



#74

N-ethyl acetate

Concen: 0.793 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN059592.D

Acq: 13 Dec 2019 18:34

Tgt Ion: 43 Resp: 4001

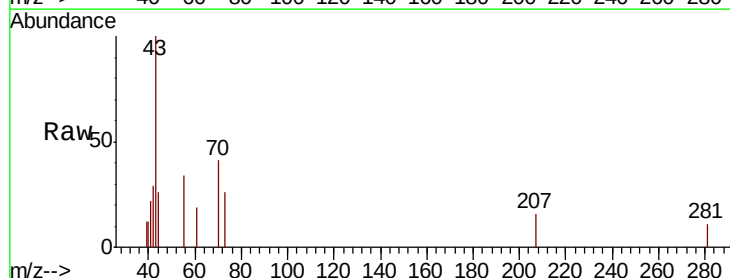
Ion Ratio Lower Upper

43 100

70 38.8 31.3 46.9

55 28.7 19.8 29.6

61 19.5 18.3 27.5



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

3000

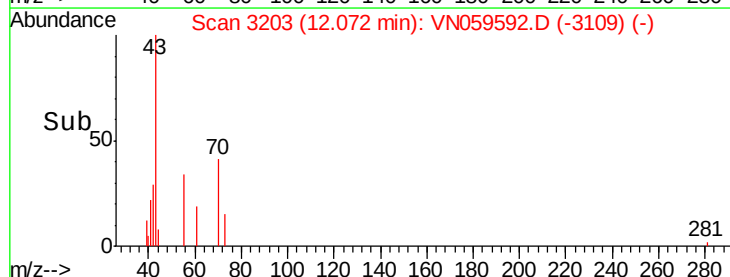
2000

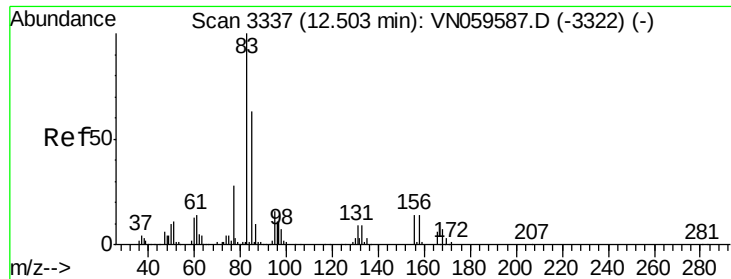
1000

0

12.00 12.05 12.10

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 0.920 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN059592.D

Acq: 13 Dec 2019 18:34

Instrument :

MSVOA_N

ClientSampled :

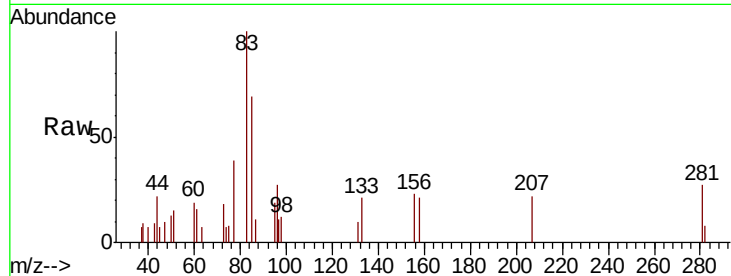
Tot Ion: 83 Resp: 3534

Ion Ratio Lower Upper

83 100

131 7.6 5.0 14.9

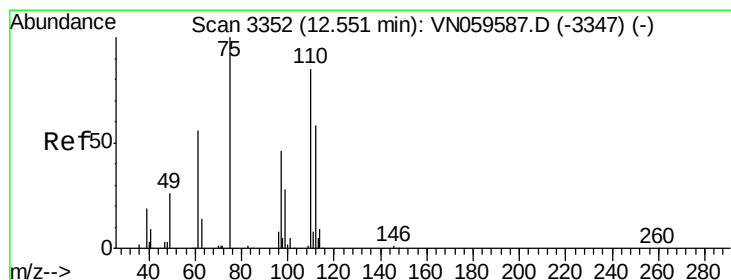
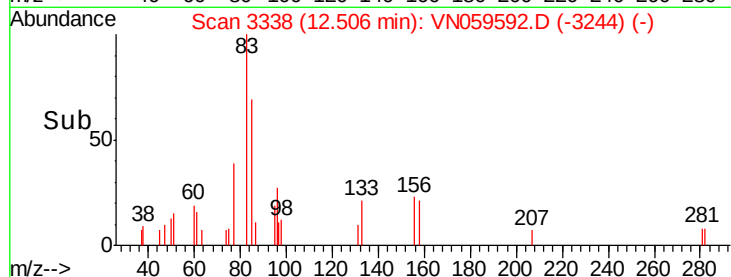
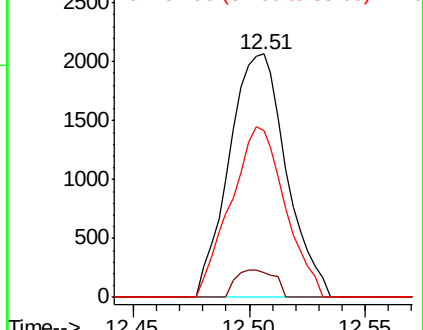
85 66.9 31.9 95.5



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 1.415 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN059592.D

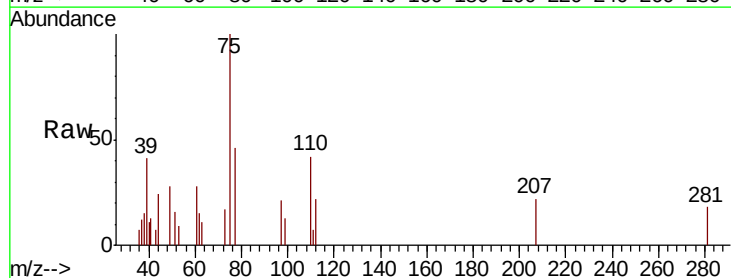
Acq: 13 Dec 2019 18:34

Tgt Ion: 75 Resp: 5483

Ion Ratio Lower Upper

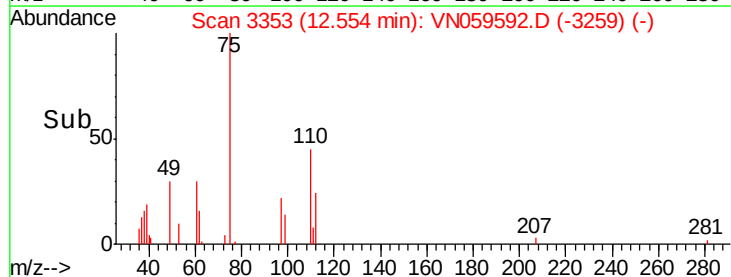
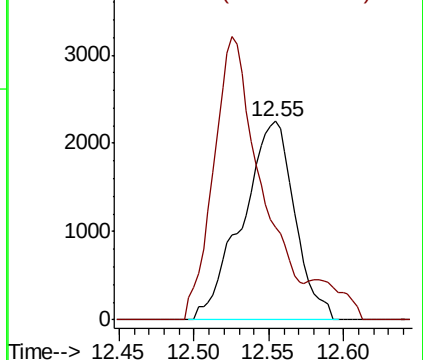
75 100

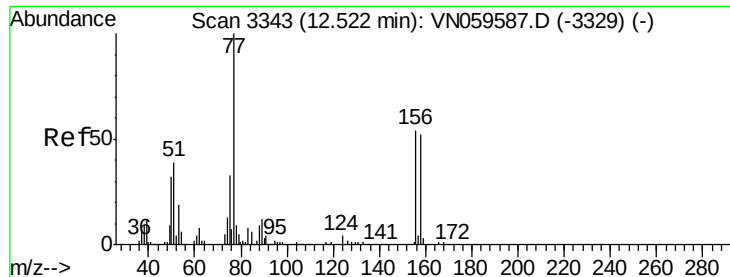
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 1.122 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN059592.D

Acq: 13 Dec 2019 18:34

Instrument :

MSVOA_N

ClientSampleId :

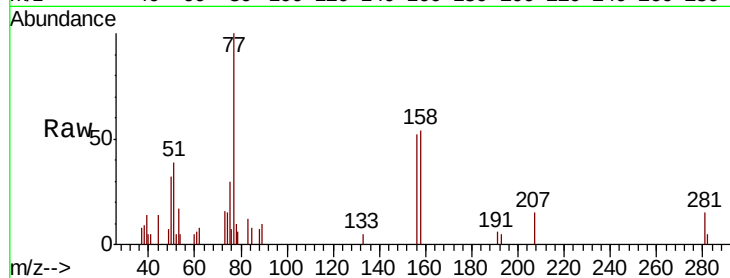
Tot Ion:156 Resp: 3168

Ion Ratio Lower Upper

156 100

77 223.9 115.8 347.4

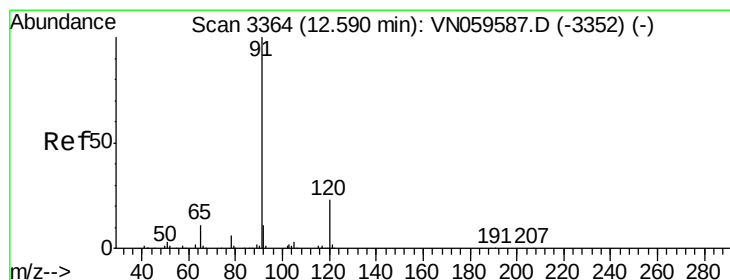
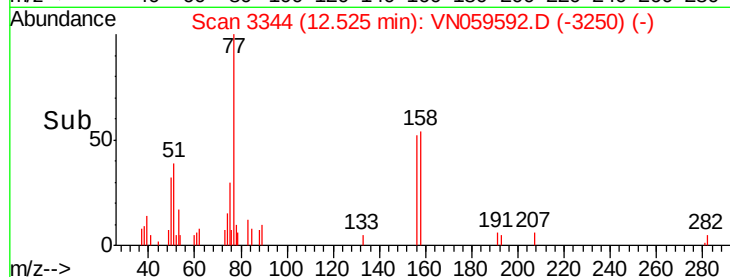
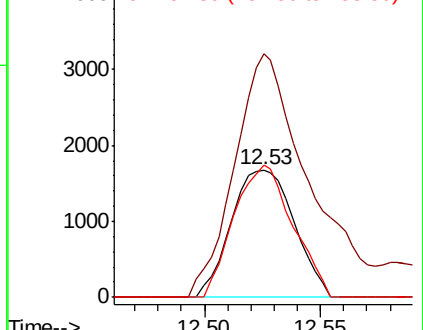
158 96.7 49.2 147.6



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 0.986 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN059592.D

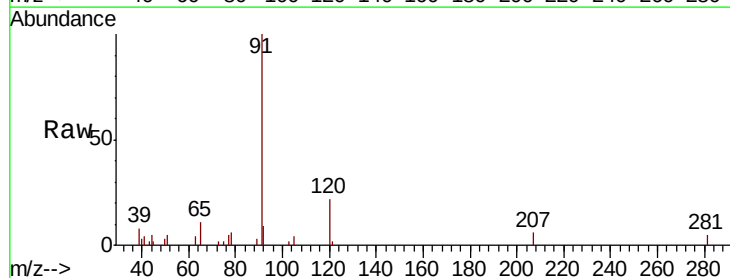
Acq: 13 Dec 2019 18:34

Tgt Ion: 91 Resp: 13801

Ion Ratio Lower Upper

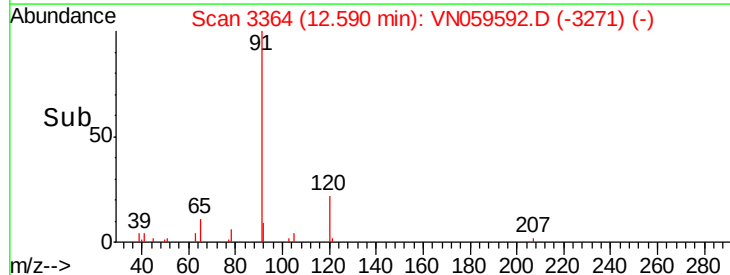
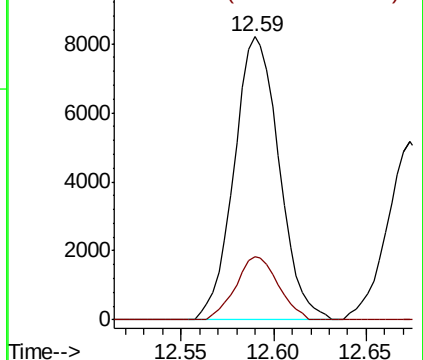
91 100

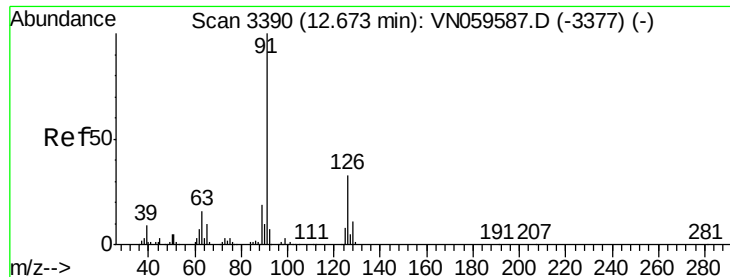
120 21.1 11.1 33.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 1.058 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN059592.D

Acq: 13 Dec 2019 18:34

Instrument :

MSVOA_N

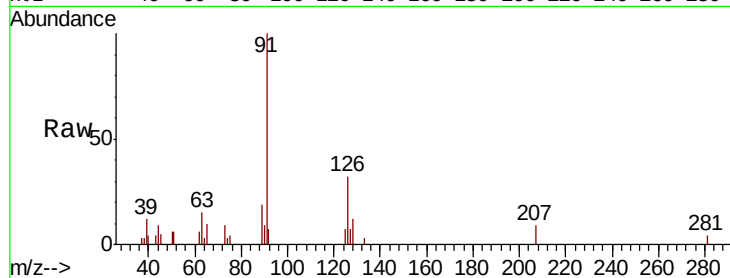
ClientSampleId :

Tot Ion: 91 Resp: 8836

Ion Ratio Lower Upper

91 100

126 30.9 16.3 48.9



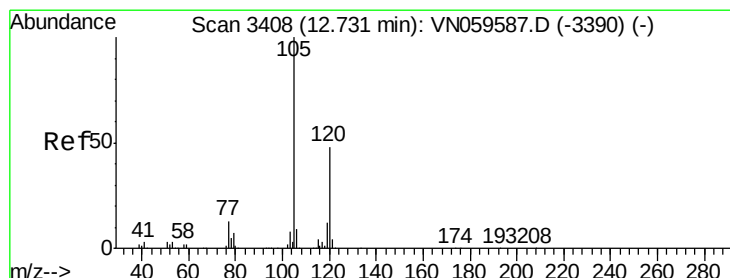
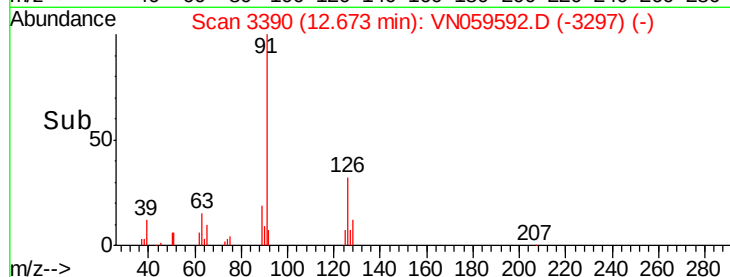
Abundance Ion 91.00 (90.70 to 91.70): VN059587.D (-3377) (-)

Ion 125.90 (125.60 to 126.60): VN059587.D (-3377) (-)

12.67

12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 0.958 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN059592.D

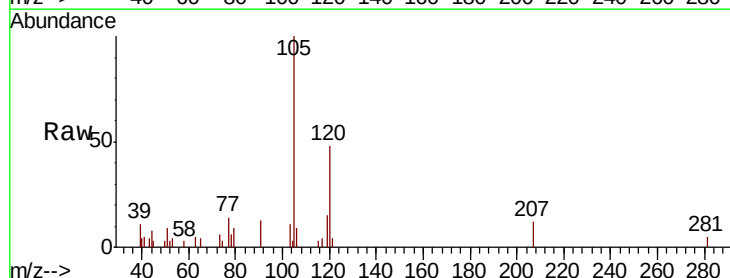
Acq: 13 Dec 2019 18:34

Tgt Ion: 105 Resp: 9332

Ion Ratio Lower Upper

105 100

120 47.1 24.1 72.4



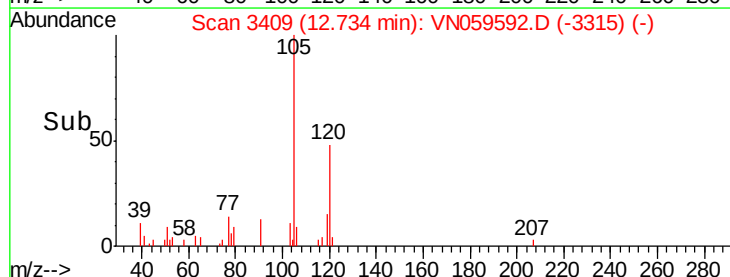
Abundance Ion 105.00 (104.70 to 105.70): VN059587.D (-3390) (-)

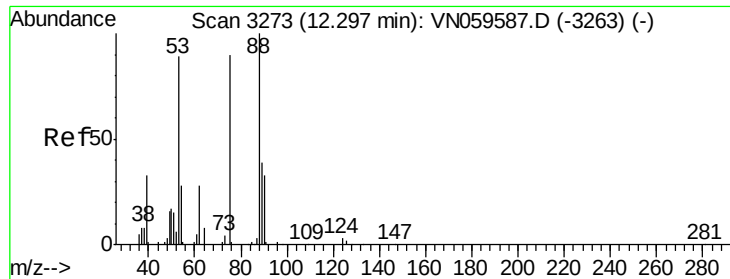
Ion 120.00 (119.70 to 120.70): VN059587.D (-3390) (-)

12.73

12.75

Time-->

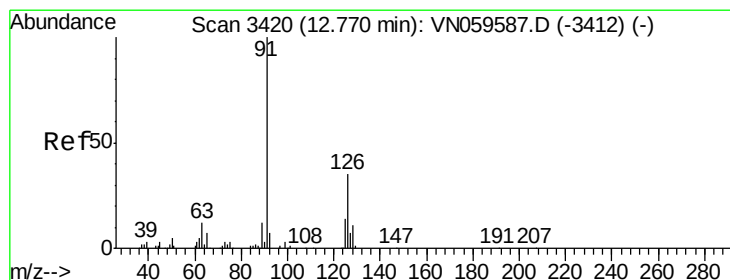
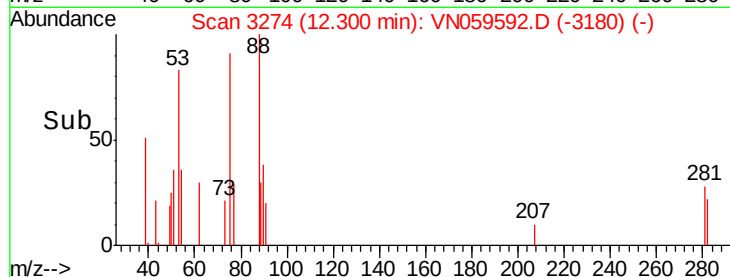
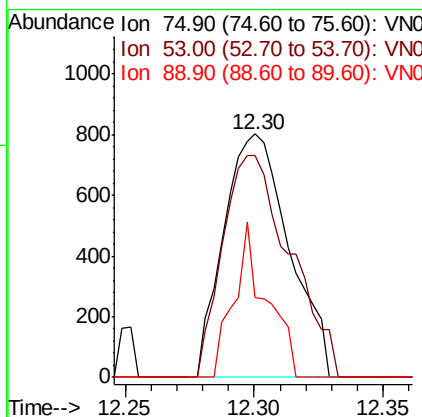
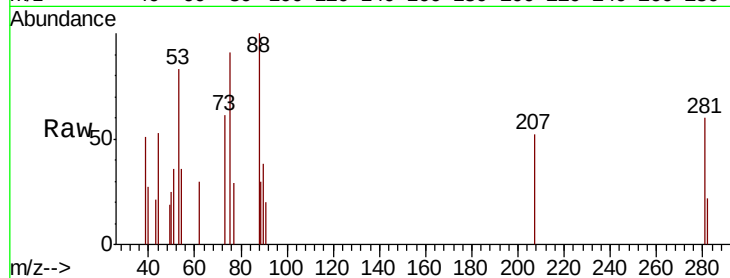




#81
trans-1,4-Dichloro-2-butene
Concen: 0.966 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN059592.D
Acq: 13 Dec 2019 18:34

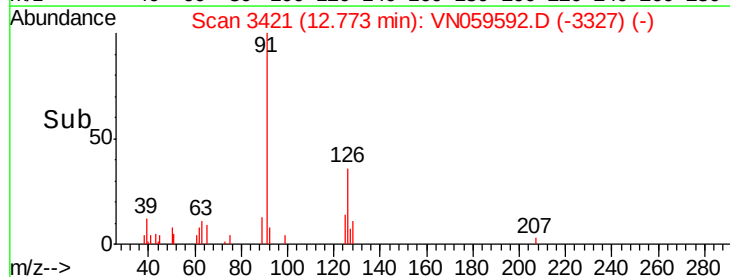
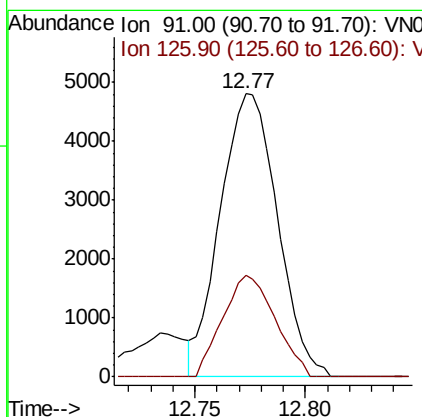
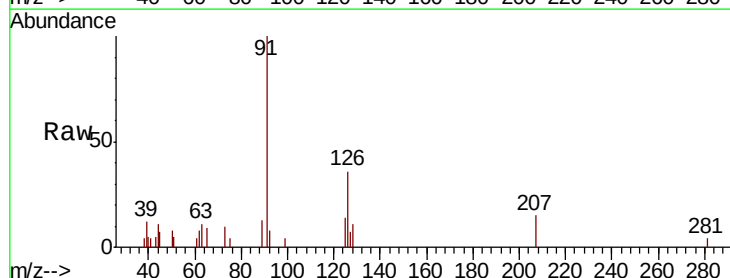
Instrument :
MSVOA_N
ClientSampled :

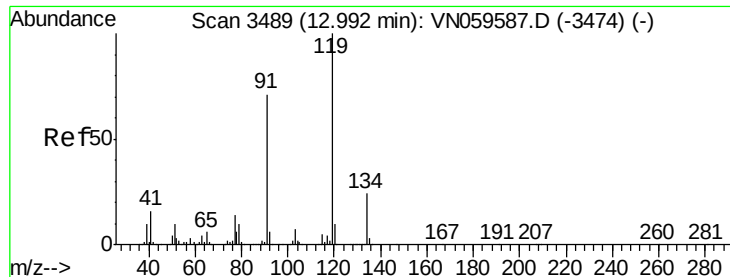
Tot Ion: 75 Resp: 1417
Ion Ratio Lower Upper
75 100
53 93.8 78.1 117.1
89 31.5 35.4 53.2#



#82
4-Chlorotoluene
Concen: 1.017 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN059592.D
Acq: 13 Dec 2019 18:34

Tgt Ion: 91 Resp: 8657
Ion Ratio Lower Upper
91 100
126 32.8 16.3 48.8

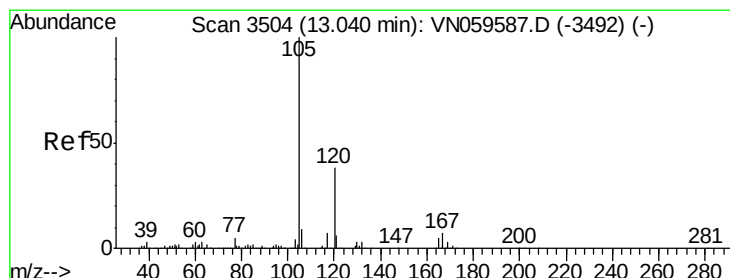
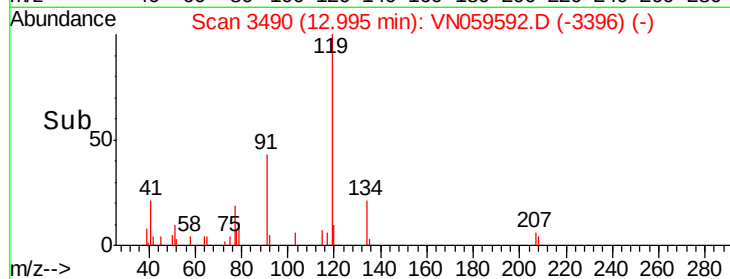
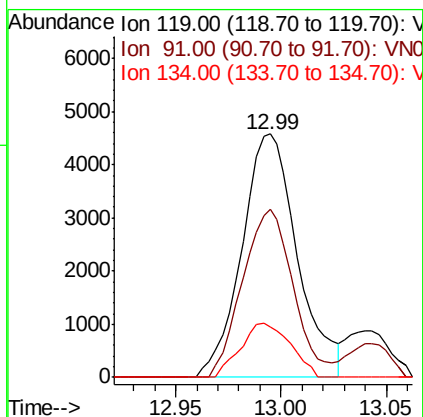
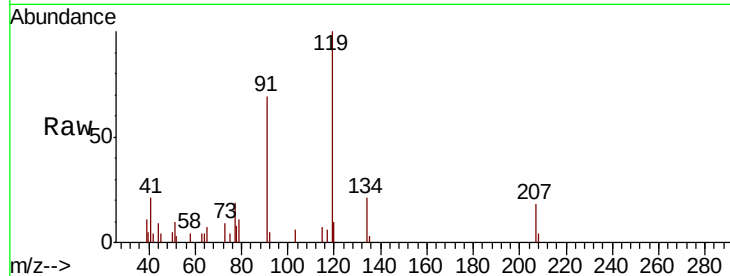




#83
 tert-Butylbenzene
 Concen: 1.033 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN059592.D
 Acq: 13 Dec 2019 18:34

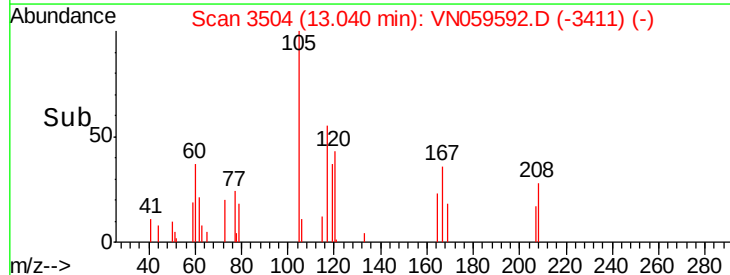
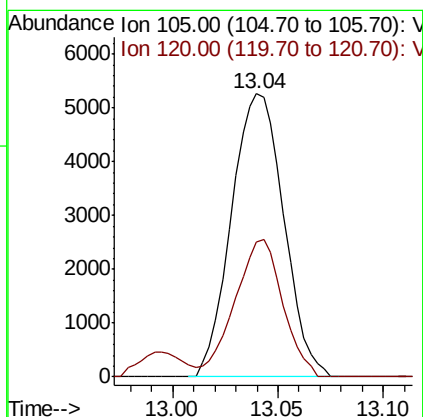
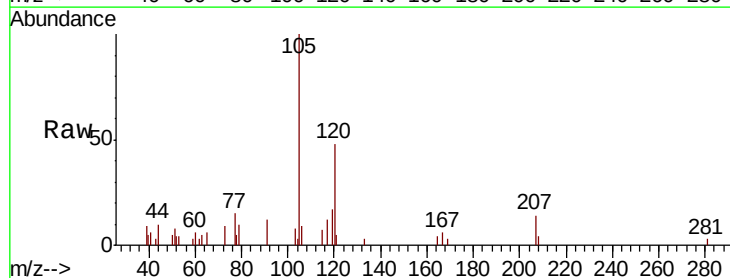
Instrument :
 MSVOA_N
 ClientSampleId :

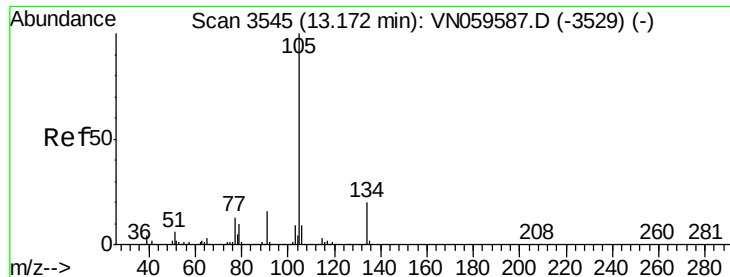
Tot Ion:119 Resp: 8374
 Ion Ratio Lower Upper
 119 100
 91 62.8 34.8 104.4
 134 20.0 12.3 36.9



#84
 1,2,4-Trimethylbenzene
 Concen: 0.942 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN059592.D
 Acq: 13 Dec 2019 18:34

Tgt Ion:105 Resp: 9049
 Ion Ratio Lower Upper
 105 100
 120 44.7 22.3 66.9





#85

sec-Butylbenzene

Concen: 0.929 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN059592.D

Acq: 13 Dec 2019 18:34

Instrument :

MSVOA_N

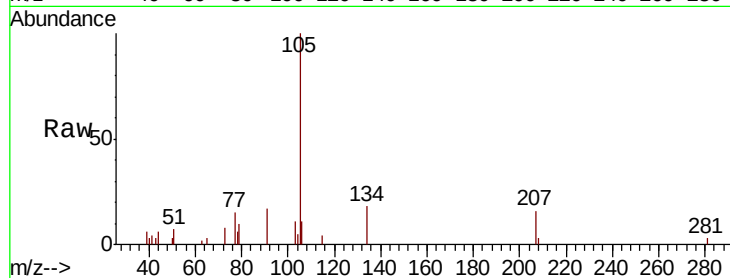
ClientSampleId :

Tot Ion:105 Resp: 10315

Ion Ratio Lower Upper

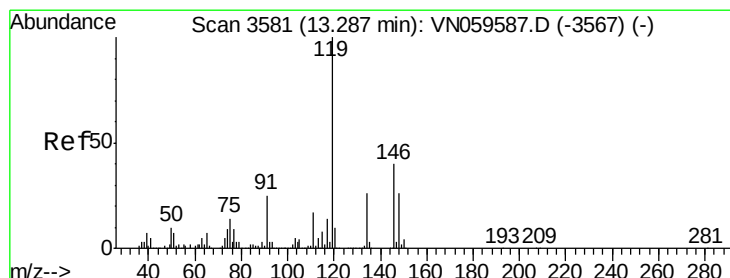
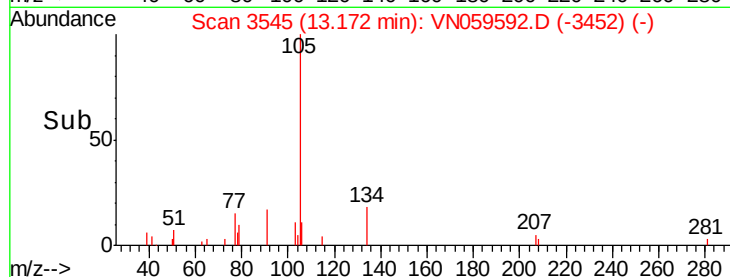
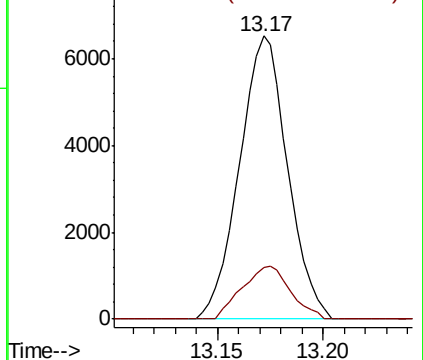
105 100

134 18.9 9.8 29.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 0.931 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN059592.D

Acq: 13 Dec 2019 18:34

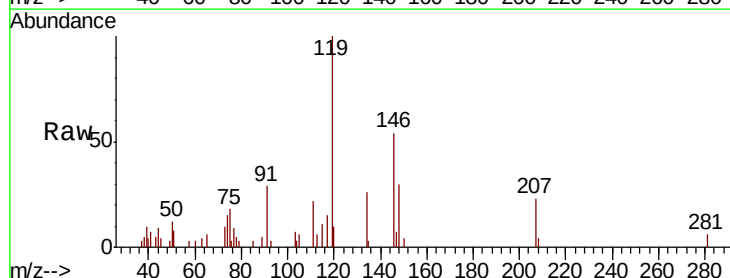
Tgt Ion:119 Resp: 9226

Ion Ratio Lower Upper

119 100

134 23.3 12.9 38.7

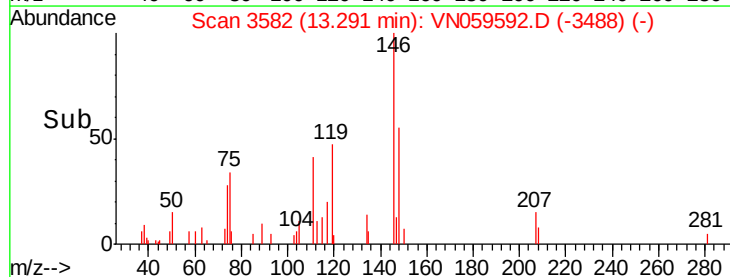
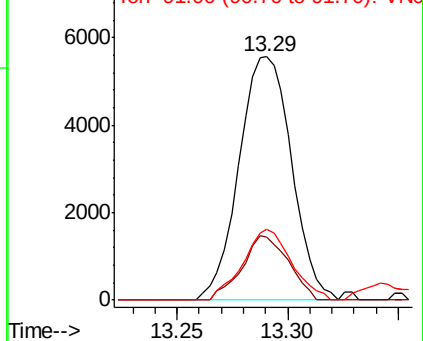
91 26.7 12.4 37.4

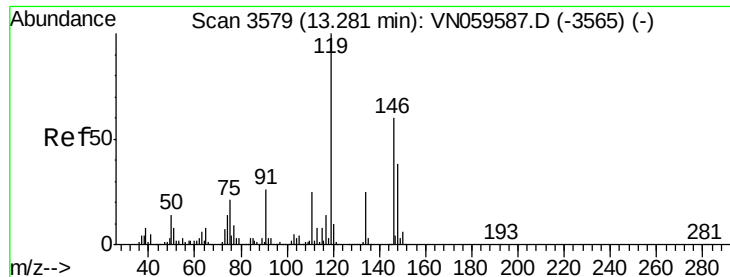


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

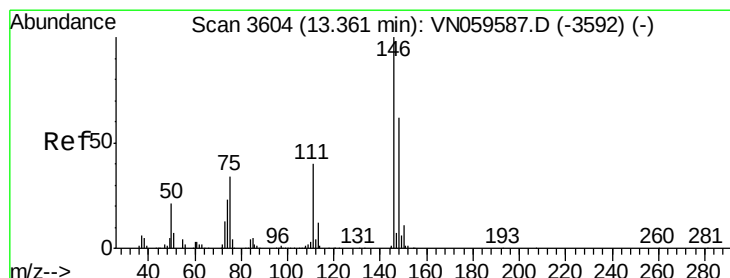
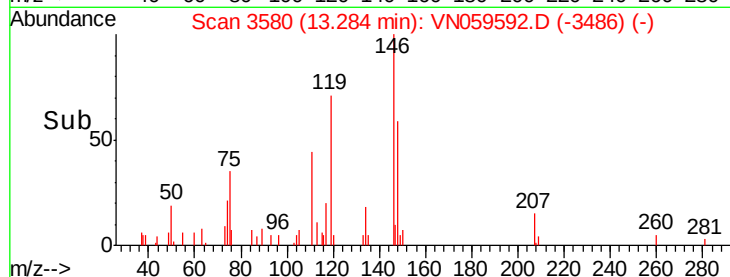
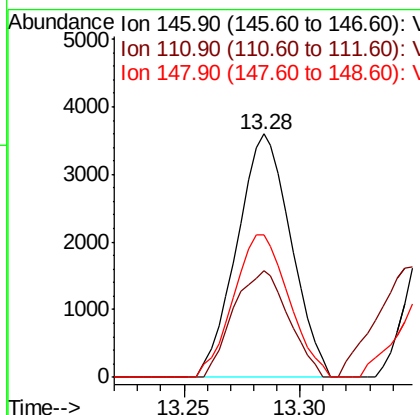
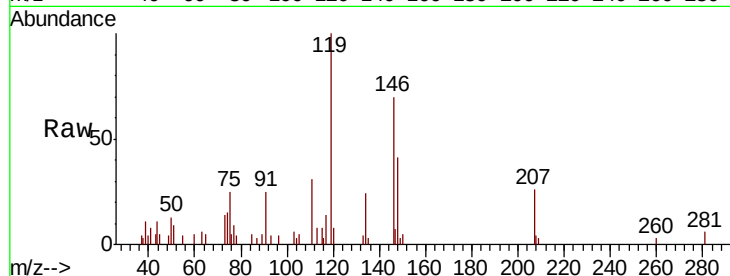




#87
 1,3-Dichlorobenzene
 Concen: 1.125 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN059592.D
 Acq: 13 Dec 2019 18:34

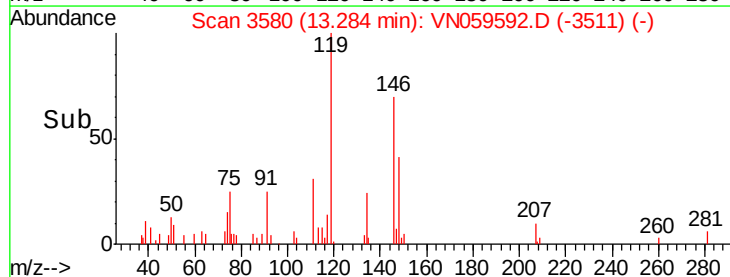
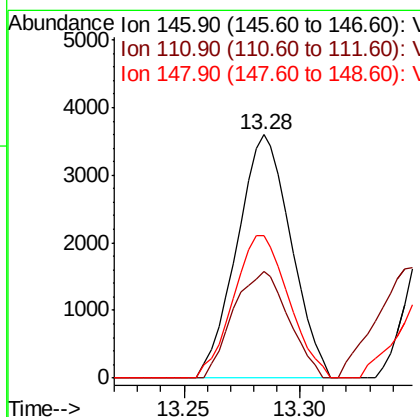
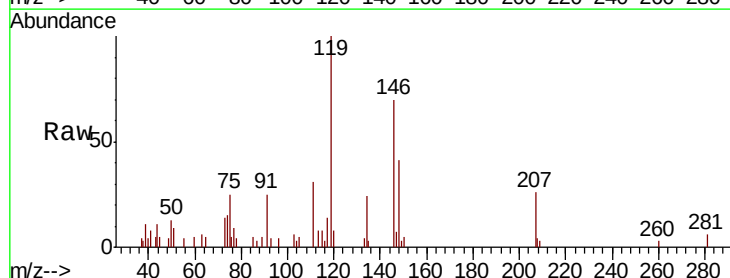
Instrument :
 MSVOA_N
 ClientSampled :

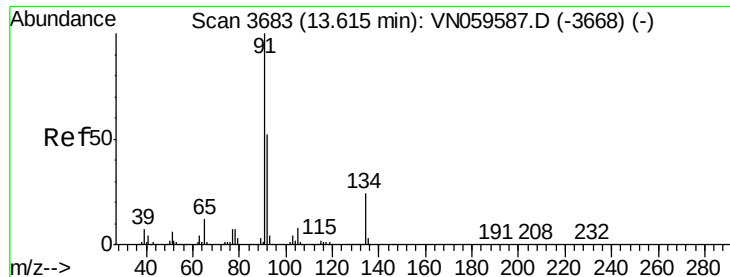
Tot Ion:146 Resp: 5820
 Ion Ratio Lower Upper
 146 100
 111 44.8 20.8 62.2
 148 59.9 32.0 96.0



#88
 1,4-Dichlorobenzene
 Concen: 1.151 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. -0.08 min
 Lab File: VN059592.D
 Acq: 13 Dec 2019 18:34

Tgt Ion:146 Resp: 5820
 Ion Ratio Lower Upper
 146 100
 111 44.8 20.8 62.2
 148 59.9 31.8 95.4





#89

n-Butylbenzene

Concen: 0.990 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN059592.D

Acq: 13 Dec 2019 18:34

Instrument :

MSVOA_N

ClientSampleId :

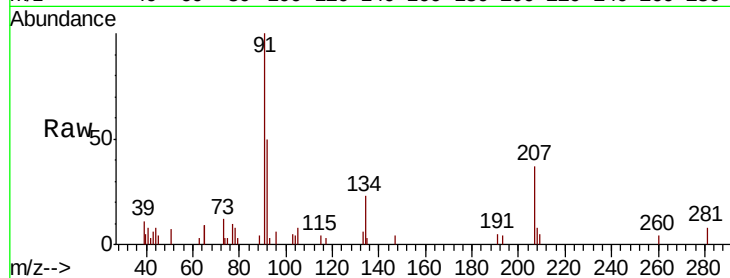
Tot Ion: 91 Resp: 9247

Ion Ratio Lower Upper

91 100

92 46.0 25.9 77.7

134 21.9 12.3 36.8

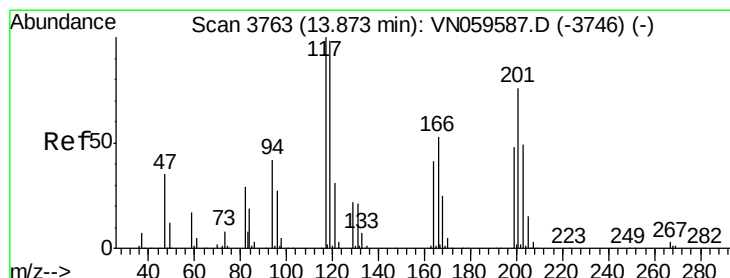
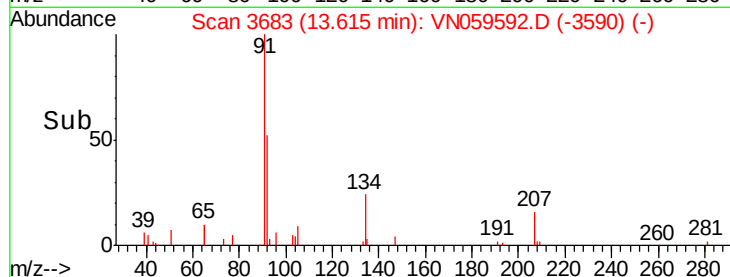


Abundance Ion 91.00 (90.70 to 91.70): VN059587.D (-3668) (-)

Ion 92.00 (91.70 to 92.70): VN059587.D (-3668) (-)

Ion 134.00 (133.70 to 134.70): VN059587.D (-3668) (-)

Time-->



#90

Hexachloroethane

Concen: 0.963 ug/l

RT: 13.88 min Scan# 3764

Delta R.T. 0.00 min

Lab File: VN059592.D

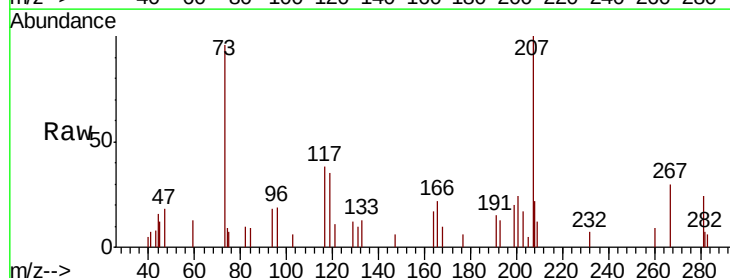
Acq: 13 Dec 2019 18:34

Tgt Ion: 117 Resp: 1763

Ion Ratio Lower Upper

117 100

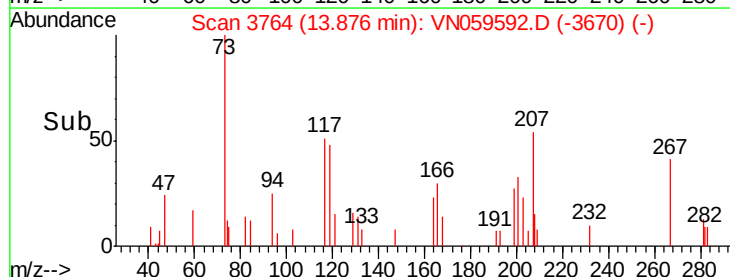
201 76.6 37.8 113.4

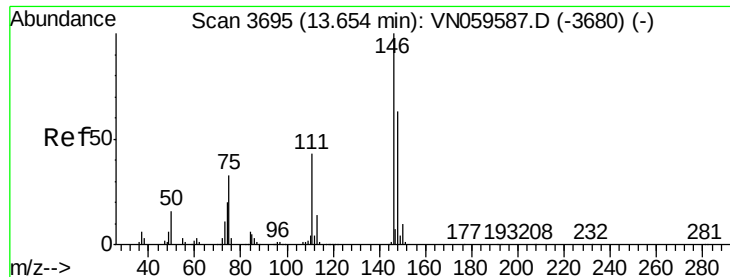


Abundance Ion 116.80 (116.50 to 117.50): VN059587.D (-3746) (-)

Ion 200.70 (200.40 to 201.40): VN059587.D (-3746) (-)

Time-->





#91

1,2-Dichlorobenzene

Concen: 1.230 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN059592.D

Acq: 13 Dec 2019 18:34

Instrument :

MSVOA_N

ClientSampleId :

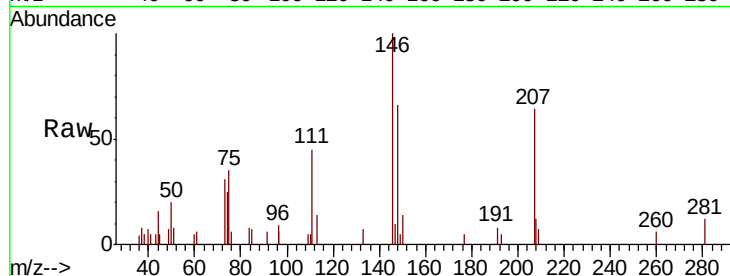
Tot Ion:146 Resp: 5995

Ion Ratio Lower Upper

146 100

111 38.8 21.6 64.8

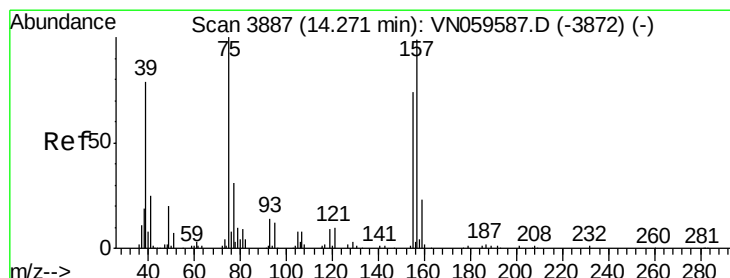
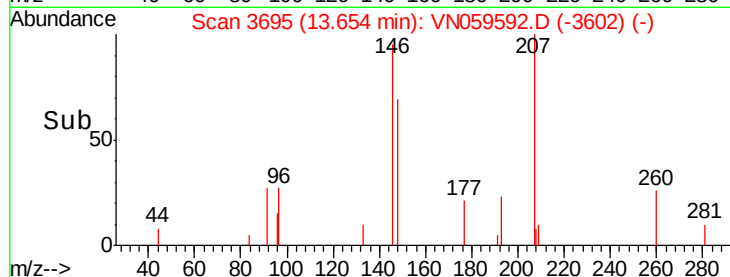
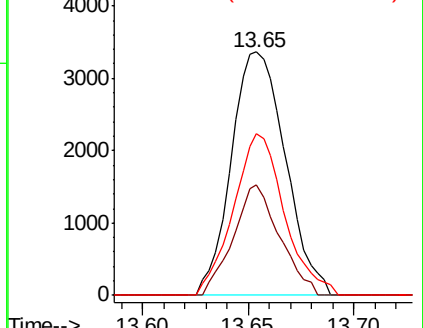
148 62.7 31.6 95.0



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 1.715 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. -0.00 min

Lab File: VN059592.D

Acq: 13 Dec 2019 18:34

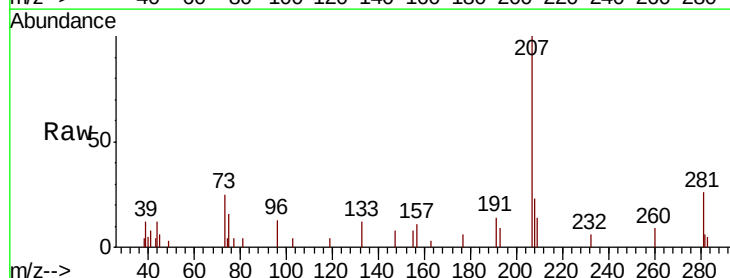
Tgt Ion: 75 Resp: 1671

Ion Ratio Lower Upper

75 100

155 36.3 37.0 110.9#

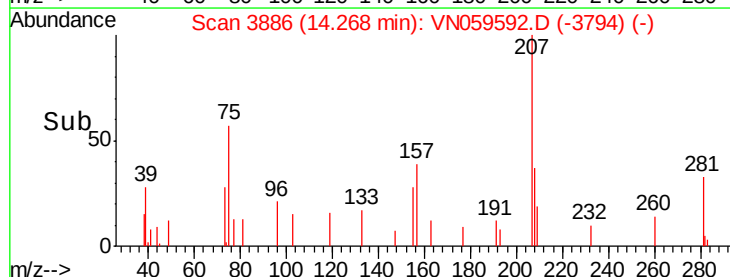
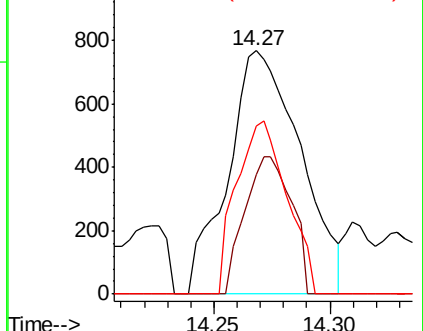
157 49.5 48.4 145.2

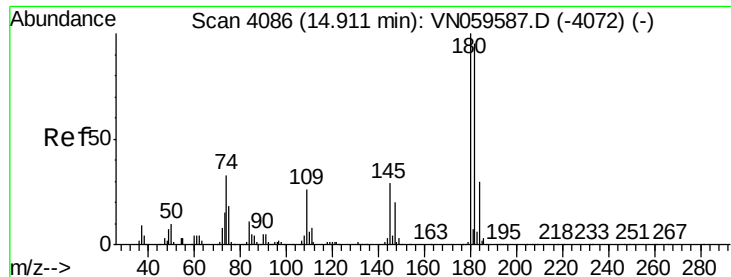


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

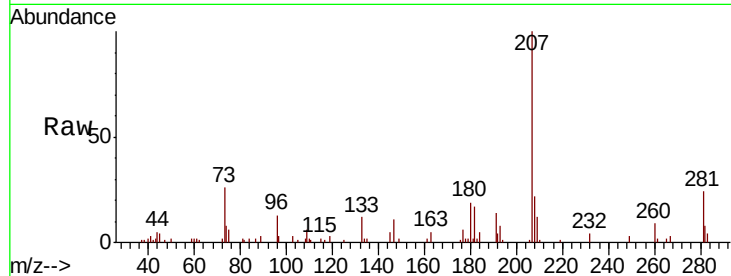




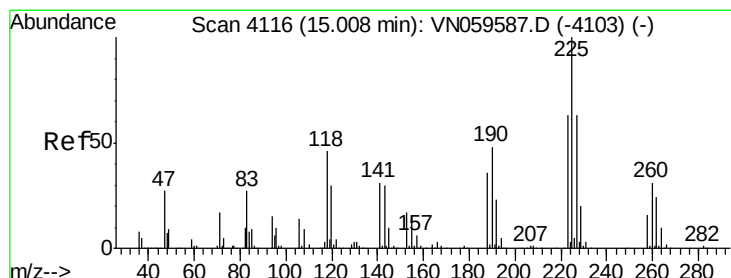
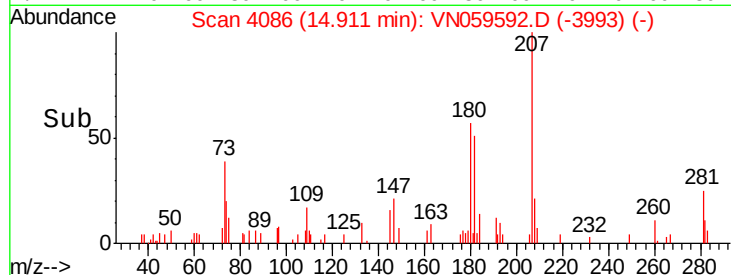
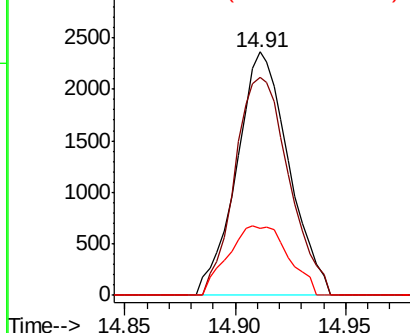
#93
 1,2,4-Trichlorobenzene
 Concen: 1.170 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN059592.D
 Acq: 13 Dec 2019 18:34

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion:180 Resp: 3878
 Ion Ratio Lower Upper
 180 100
 182 92.9 46.9 140.7
 145 32.8 15.0 45.1

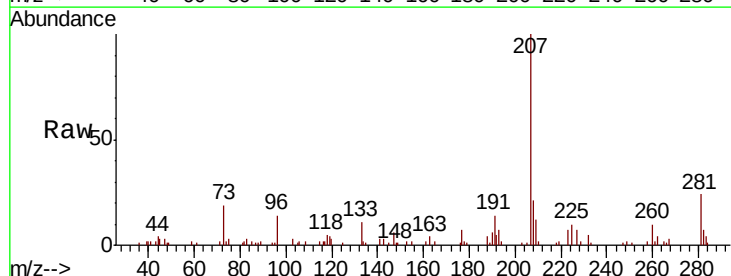


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

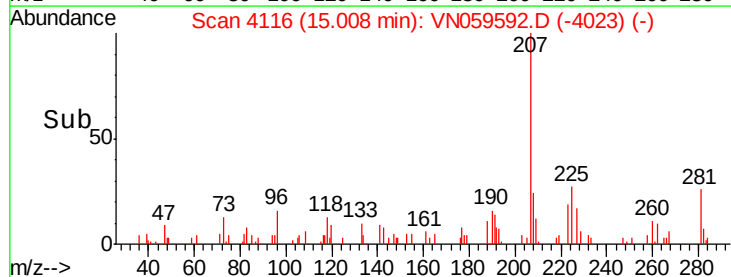
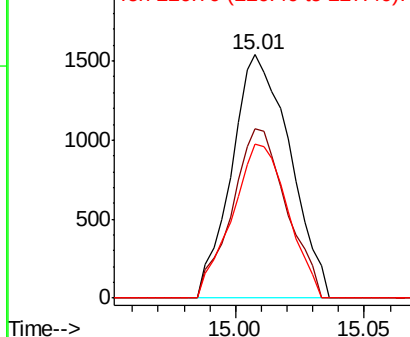


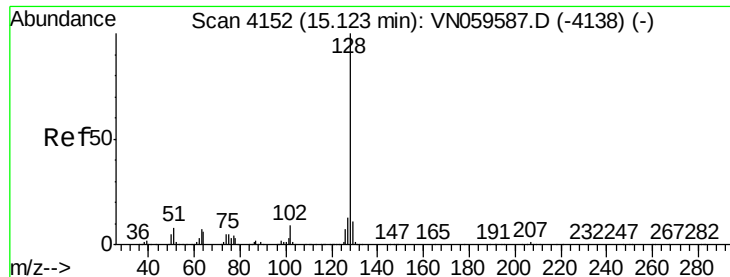
#94
 Hexachlorobutadiene
 Concen: 1.451 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN059592.D
 Acq: 13 Dec 2019 18:34

Tgt Ion:225 Resp: 2428
 Ion Ratio Lower Upper
 225 100
 223 64.9 31.8 95.3
 227 60.3 32.1 96.5



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: 1.247 ug/l

RT: 15.13 min Scan# 4153

Delta R.T. 0.00 min

Lab File: VN059592.D

Acq: 13 Dec 2019 18:34

Instrument :

MSVOA_N

ClientSampleId :

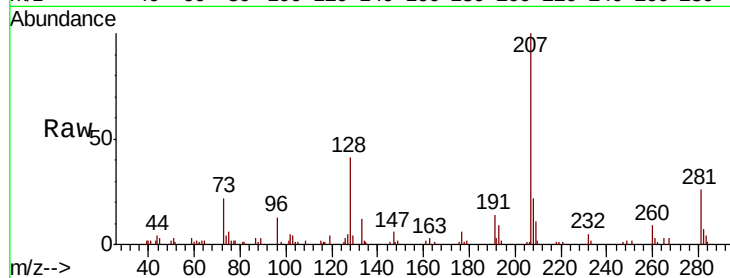
Tot Ion:128 Resp: 12184

Ion Ratio Lower Upper

128 100

127 12.4 10.4 15.6

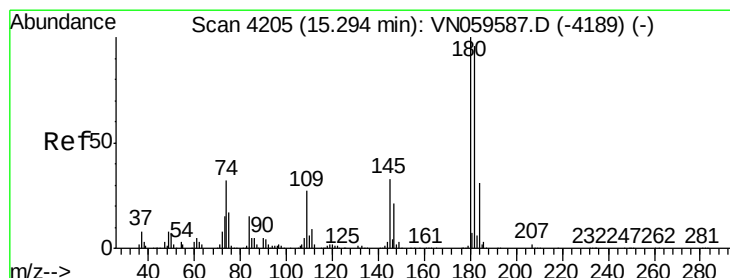
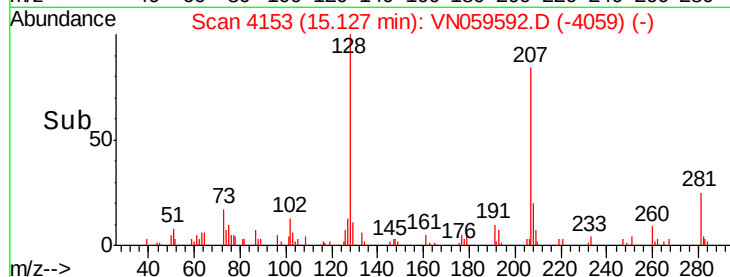
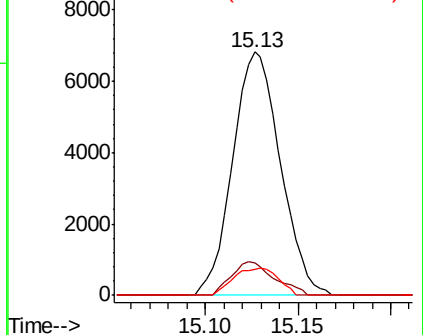
129 10.5 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 1.299 ug/l

RT: 15.29 min Scan# 4205

Delta R.T. 0.00 min

Lab File: VN059592.D

Acq: 13 Dec 2019 18:34

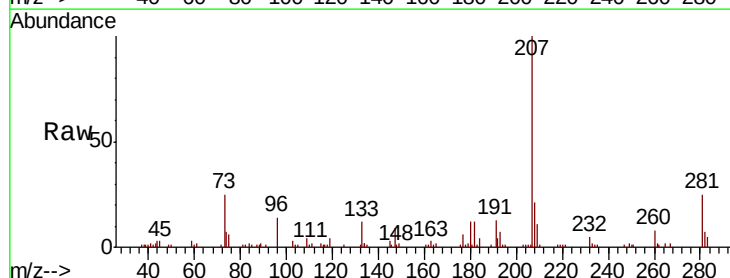
Tgt Ion:180 Resp: 4425

Ion Ratio Lower Upper

180 100

182 91.5 47.4 142.3

145 37.2 16.3 48.9



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

