

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN112119\
 Data File : VN059344.D
 Acq On : 21 Nov 2019 18:24
 Operator : JC/SP
 Sample : K5957-08MS
 Misc : 4.99µ/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 22 06:05:37 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112019W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 21 08:44:45 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	415186	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	654535	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	576742	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	295454	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.00	65	261791	52.55	ug/l	0.00
Spiked Amount			Recovery	=	105.10%	
35) Dibromofluoromethane	7.57	113	209070	53.24	ug/l	0.00
Spiked Amount			Recovery	=	106.48%	
50) Toluene-d8	10.08	98	840862	53.86	ug/l	0.00
Spiked Amount			Recovery	=	107.72%	
62) 4-Bromofluorobenzene	12.40	95	317371	58.14	ug/l	0.00
Spiked Amount			Recovery	=	116.28%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	222637	41.886	ug/l	99
3) Chloromethane	2.04	50	264892	40.680	ug/l	99
4) Vinyl Chloride	2.17	62	290447	43.323	ug/l	99
5) Bromomethane	2.50	94	65153	17.505	ug/l	98
6) Chloroethane	2.62	64	81552	22.289	ug/l	99
7) Trichlorofluoromethane	2.94	101	234939	32.543	ug/l	98
8) Diethyl Ether	3.38	74	130191	44.111	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.71	101	188976	42.808	ug/l	99
10) Methyl Iodide	3.91	142	225744	41.146	ug/l	98
11) Tert butyl alcohol	4.71	59	6698	6.716	ug/l #	73
12) 1,1-Dichloroethene	3.69	96	189699	42.334	ug/l	92
13) Acrolein	3.58	56	185335	203.564	ug/l	99
14) Allyl chloride	4.28	41	322725	38.552	ug/l	97
15) Acrylonitrile	4.96	53	565861	214.579	ug/l	100
16) Acetone	3.80	43	439167	196.615	ug/l	97
17) Carbon Disulfide	4.00	76	588851	41.953	ug/l	100
18) Methyl Acetate	4.29	43	338621	45.681	ug/l	98
19) Methyl tert-butyl Ether	5.01	73	645964	44.632	ug/l	100
20) Methylene Chloride	4.52	84	210202	41.726	ug/l	98
21) trans-1,2-Dichloroethene	5.00	96	207386	43.669	ug/l	98
22) Diisopropyl ether	5.92	45	688120	43.659	ug/l	99
23) Vinyl Acetate	5.86	43	2740666	221.126	ug/l	100
24) 1,1-Dichloroethane	5.81	63	388865	43.833	ug/l	99
25) 2-Butanone	6.82	43	730734	210.387	ug/l	99
26) 2,2-Dichloropropane	6.79	77	323133	42.065	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	229771	42.882	ug/l	100
28) Bromochloromethane	7.17	49	161526	44.948	ug/l	96
29) Tetrahydrofuran	7.19	42	504313	209.986	ug/l	98
30) Chloroform	7.35	83	365419	42.427	ug/l	98
31) Cyclohexane	7.63	56	369731	42.151	ug/l	99
32) 1,1,1-Trichloroethane	7.54	97	316178	42.745	ug/l	99
36) 1,1-Dichloropropene	7.77	75	295489	43.730	ug/l	99
37) Ethyl Acetate	6.91	43	294484	40.551	ug/l	98
38) Carbon Tetrachloride	7.75	117	278362	43.032	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	365322	44.835	ug/l	99
40) Benzene	8.02	78	870906	43.914	ug/l	99
41) Methacrylonitrile	7.19	41	435987	135.240	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	282417	43.058	ug/l	99
43) Isopropyl Acetate	8.15	43	480924	43.333	ug/l #	92
44) Trichloroethene	8.82	130	218910	43.554	ug/l	97
45) 1,2-Dichloropropane	9.10	63	230788	43.641	ug/l	97
46) Dibromomethane	9.19	93	139781	43.092	ug/l	99
47) Bromodichloromethane	9.39	83	280112	43.118	ug/l	100
48) Methyl methacrylate	9.19	41	216716	42.940	ug/l	98
49) 1,4-Dioxane	9.20	88	75091	989.968	ug/l	96
51) 4-Methyl-2-Pentanone	9.98	43	1418788	218.404	ug/l	99
52) Toluene	10.15	92	529125	44.372	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	334241	44.260	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	368308	44.945	ug/l	100
55) 1,1,2-Trichloroethane	10.56	97	202641	43.706	ug/l	98
56) Ethyl methacrylate	10.43	69	321720	41.476	ug/l	98
57) 1,3-Dichloropropane	10.70	76	352429	43.612	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	628890	221.648	ug/l	100
59) 2-Hexanone	10.75	43	1075670	226.134	ug/l	100
60) Dibromochloromethane	10.90	129	211029	43.193	ug/l	100
61) 1,2-Dibromoethane	11.00	107	210309	43.594	ug/l	99
64) Tetrachloroethene	10.63	164	189106	42.395	ug/l	98
65) Chlorobenzene	11.43	112	540234	43.563	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	195144	43.316	ug/l	99
67) Ethyl Benzene	11.51	91	1010533	45.638	ug/l	100
68) m/p-Xylenes	11.62	106	753821	91.620	ug/l	99
69) o-Xylene	11.95	106	362455	46.016	ug/l	99
70) Styrene	11.96	104	586329	47.175	ug/l	99
71) Bromoform	12.13	173	150295	44.050	ug/l #	99
73) Isopropylbenzene	12.25	105	980357	40.505	ug/l	100
74) N-amyl acetate	12.05	43	460306	47.323	ug/l #	51
75) 1,1,2,2-Tetrachloroethane	12.51	83	355304	44.378	ug/l	90
76) 1,2,3-Trichloropropane	12.56	75	403708	59.145	ug/l #	100
77) Bromobenzene	12.53	156	229509	39.095	ug/l	95
78) n-propylbenzene	12.59	91	1186116	43.264	ug/l	99
79) 2-Chlorotoluene	12.68	91	671530	39.906	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	846807	41.620	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	113016	41.413	ug/l #	80
82) 4-Chlorotoluene	12.77	91	688418	39.533	ug/l	97
83) tert-Butylbenzene	12.99	119	713599	41.528	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	937790	47.053	ug/l	100
85) sec-Butylbenzene	13.17	105	1044355	45.219	ug/l	97
86) p-Isopropyltoluene	13.29	119	889896	43.300	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	415159	39.711	ug/l #	81
88) 1,4-Dichlorobenzene	13.36	146	410337	39.670	ug/l #	81
89) n-Butylbenzene	13.62	91	883511	49.006	ug/l	97
90) Hexachloroethane	13.88	117	185089	47.554	ug/l	84
91) 1,2-Dichlorobenzene	13.66	146	401395	39.684	ug/l #	66
92) 1,2-Dibromo-3-Chloropropan	14.27	75	64490	37.886	ug/l	96

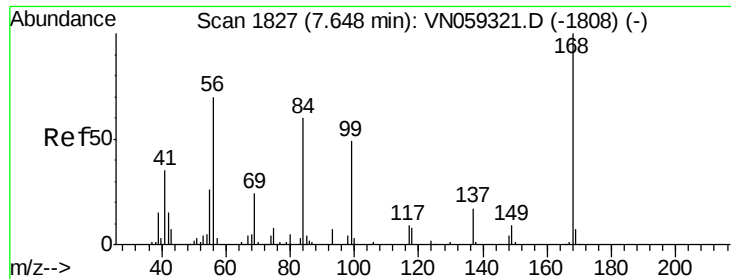
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Quant Title : SW846 8260
QLast Update : Thu Nov 21 08:44:45 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	265680	42.688	ug/l #	88
94) Hexachlorobutadiene	15.01	225	161002	44.180	ug/l	100
95) Naphthalene	15.13	128	767338	44.428	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	258520	42.177	ug/l	94

(#) = 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: VN059344.D

Acq: 21 Nov 2019 18:24

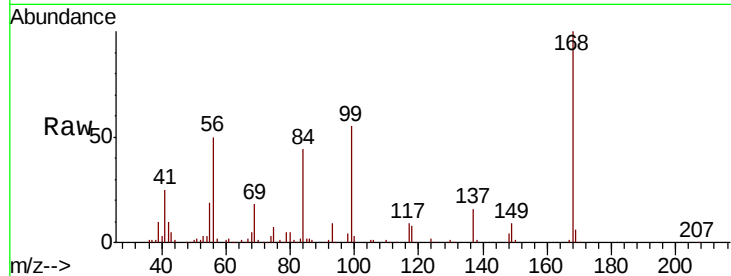
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:168 Resp: 415186

Ion Ratio Lower Upper

168 100

99 54.7 44.6 66.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.64

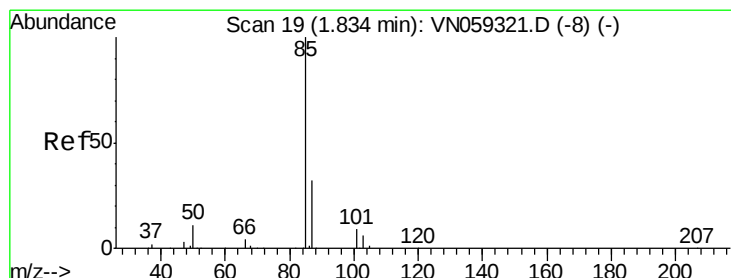
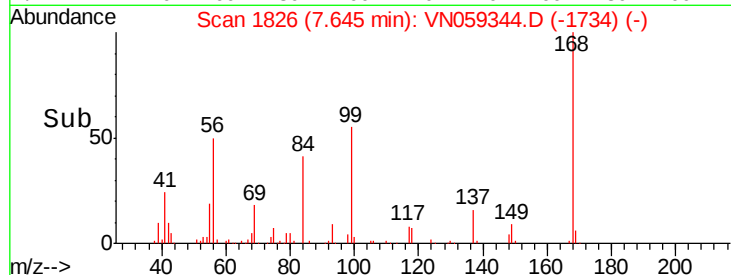
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 41.886 ug/l

RT: 1.83 min Scan# 18

Delta R.T. -0.00 min

Lab File: VN059344.D

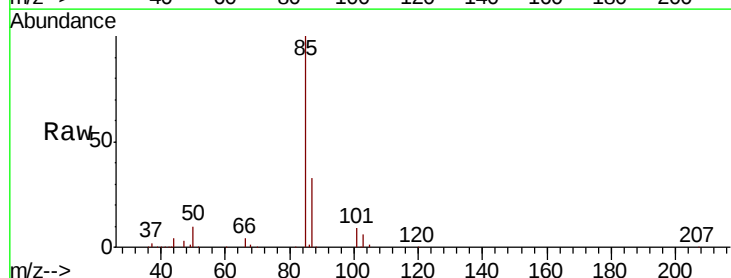
Acq: 21 Nov 2019 18:24

Tgt Ion: 85 Resp: 222637

Ion Ratio Lower Upper

85 100

87 32.5 16.0 48.0



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

120000

100000

80000

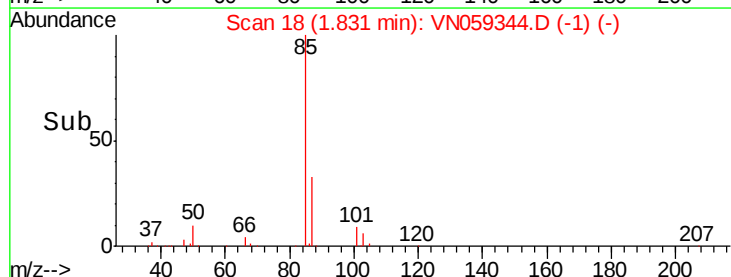
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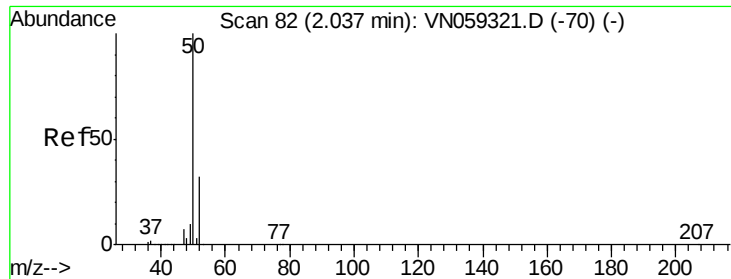
40000

20000

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Time-->





#3

Chloromethane

Concen: 40.680 ug/l

RT: 2.04 min Scan# 83

Delta R.T. 0.00 min

Lab File: VN059344.D

Acq: 21 Nov 2019 18:24

Instrument :

MSVOA_N

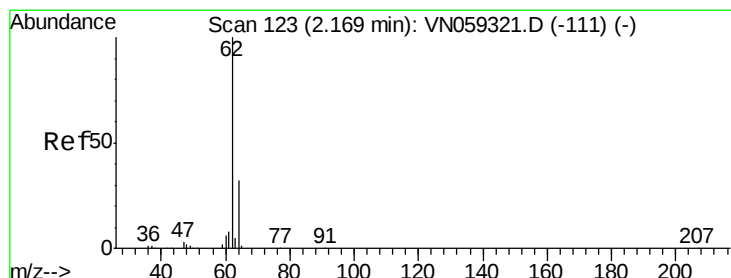
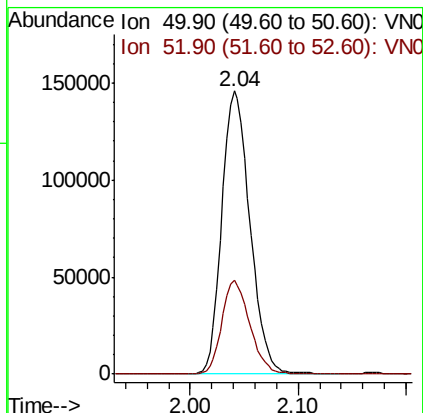
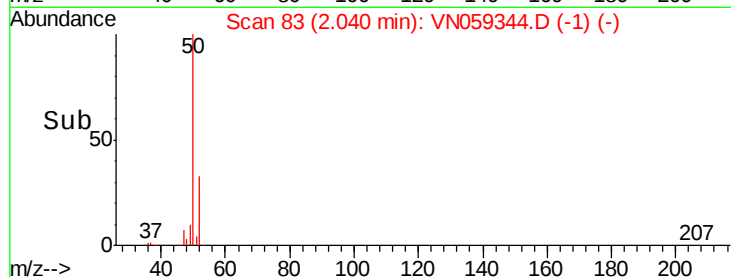
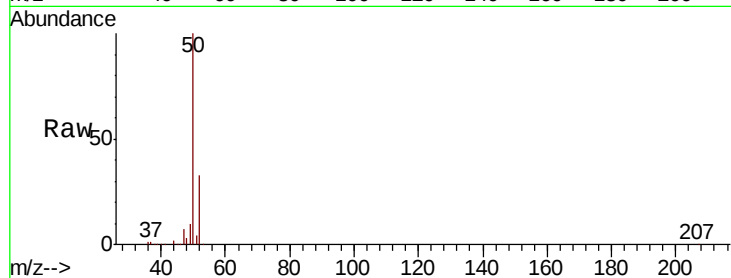
ClientSampled :

Tot Ion: 50 Resp: 264892

Ion Ratio Lower Upper

50 100

52 33.0 26.0 39.0



#4

Vinyl Chloride

Concen: 43.323 ug/l

RT: 2.17 min Scan# 124

Delta R.T. 0.00 min

Lab File: VN059344.D

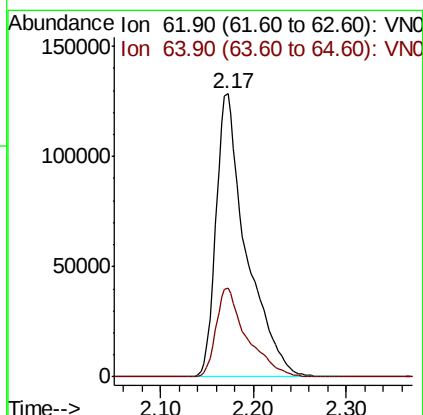
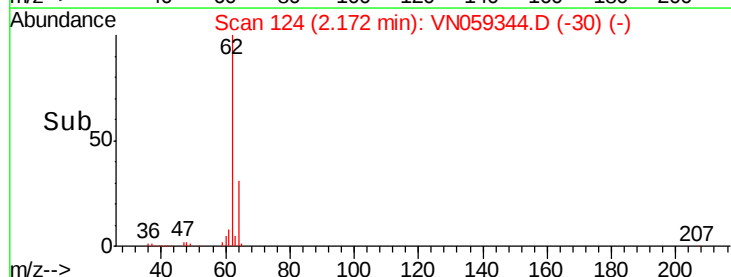
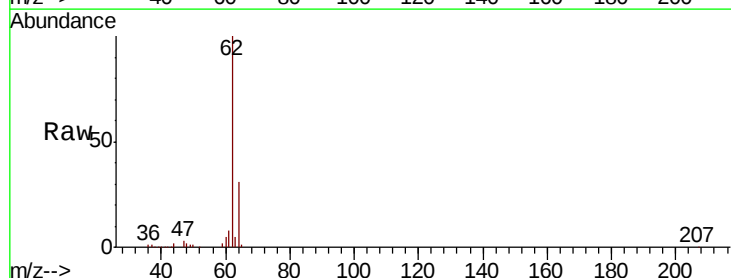
Acq: 21 Nov 2019 18:24

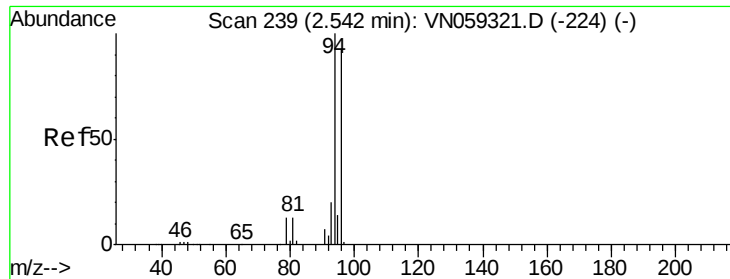
Tgt Ion: 62 Resp: 290447

Ion Ratio Lower Upper

62 100

64 31.3 25.4 38.0





#5

Bromomethane

Concen: 17.505 ug/l

RT: 2.50 min Scan# 225

Delta R.T. -0.04 min

Lab File: VN059344.D

Acq: 21 Nov 2019 18:24

Instrument :

MSVOA_N

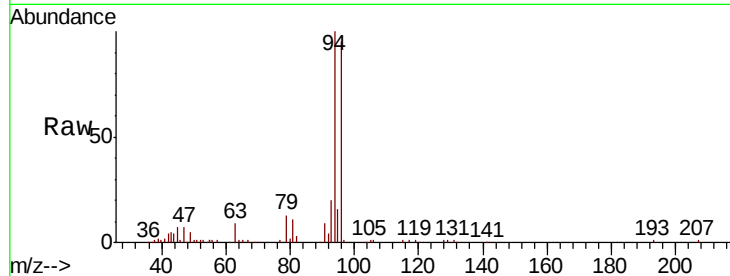
ClientSampleId :

Tot Ion: 94 Resp: 65153

Ion Ratio Lower Upper

94 100

96 95.1 74.5 111.7

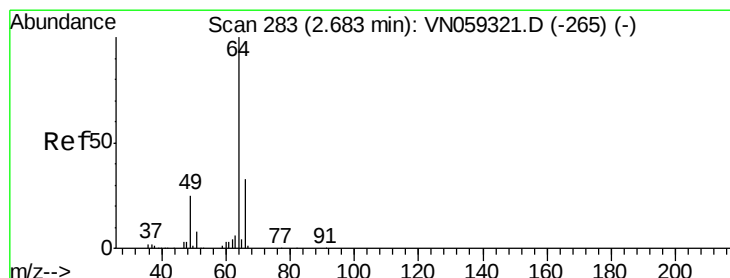
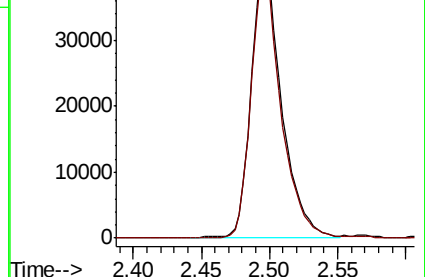
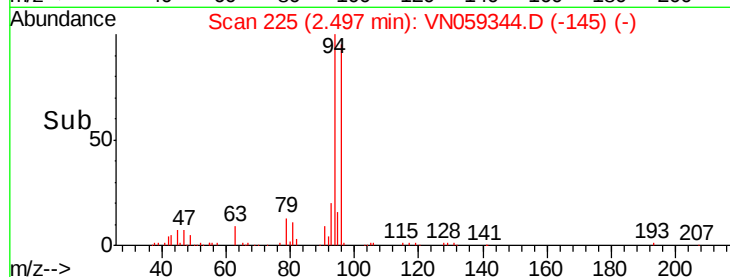


Abundance Ion 93.90 (93.60 to 94.60): VN059321.D (-224) (-)

Ion 95.90 (95.60 to 96.60): VN059321.D (-224) (-)

2.50

Time-->



#6

Chloroethane

Concen: 22.289 ug/l

RT: 2.62 min Scan# 264

Delta R.T. -0.06 min

Lab File: VN059344.D

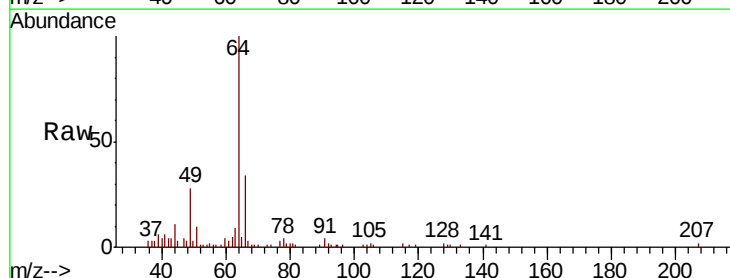
Acq: 21 Nov 2019 18:24

Tgt Ion: 64 Resp: 81552

Ion Ratio Lower Upper

64 100

66 33.2 26.2 39.2

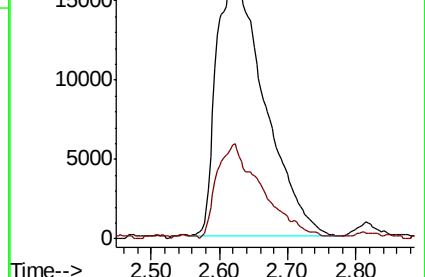
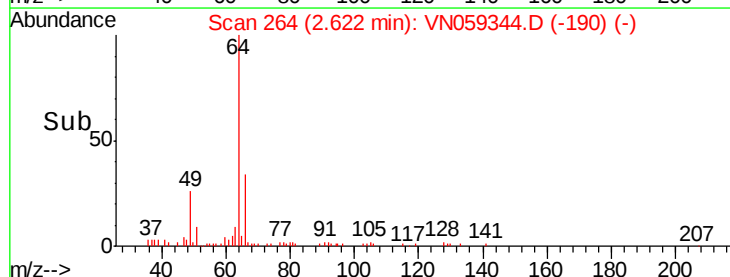


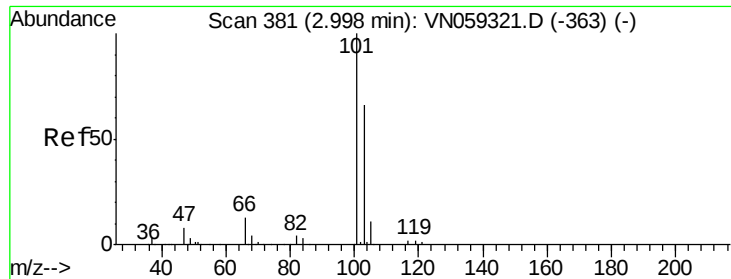
Abundance Ion 63.90 (63.60 to 64.60): VN059321.D (-265) (-)

Ion 65.90 (65.60 to 66.60): VN059321.D (-265) (-)

2.62

Time-->



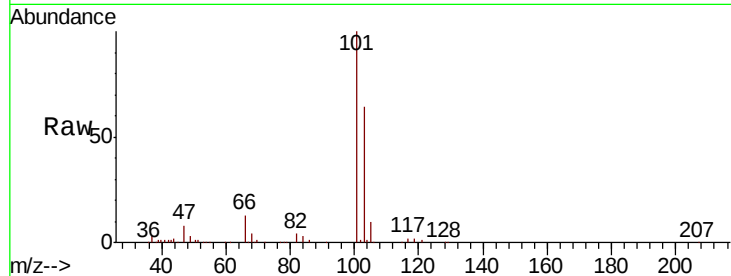


#7

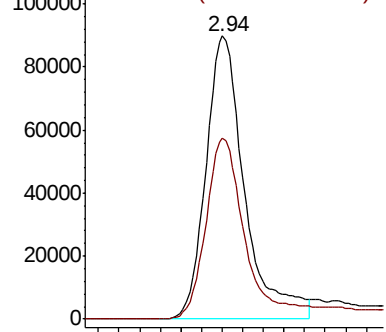
Trichlorofluoromethane
 Concen: 32.543 ug/l
 RT: 2.94 min Scan# 363
 Delta R.T. -0.06 min
 Lab File: VN059344.D
 Acq: 21 Nov 2019 18:24

Instrument :
 MSVOA_N
 ClientSampled :

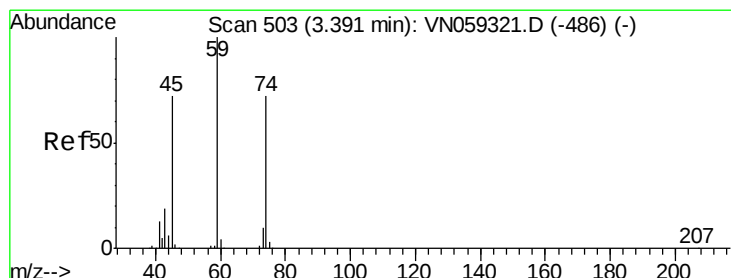
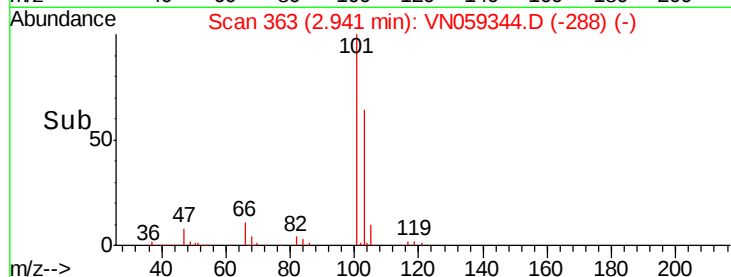
Tot Ion:101 Resp: 234939
 Ion Ratio Lower Upper
 101 100
 103 64.1 52.5 78.7



Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 102.80 (102.50 to 103.50): V



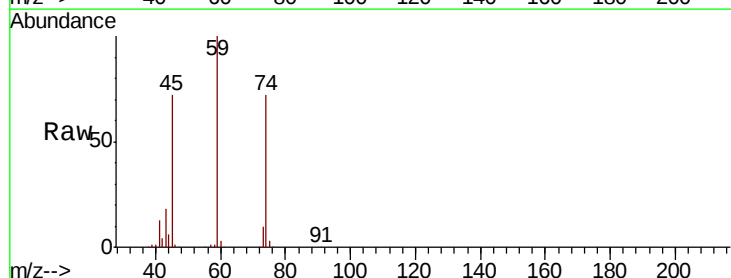
Time-->



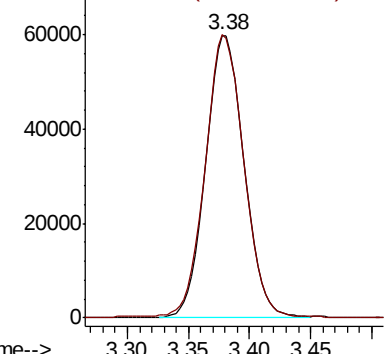
#8

Diethyl Ether
 Concen: 44.111 ug/l
 RT: 3.38 min Scan# 499
 Delta R.T. -0.01 min
 Lab File: VN059344.D
 Acq: 21 Nov 2019 18:24

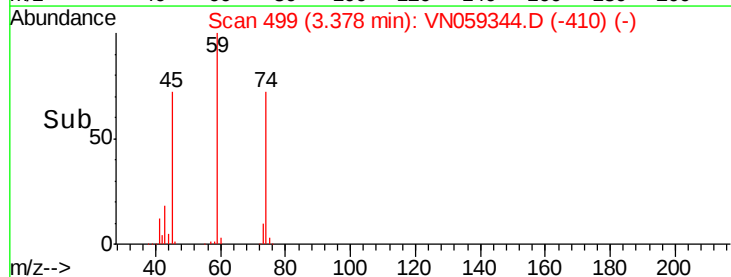
Tgt Ion: 74 Resp: 130191
 Ion Ratio Lower Upper
 74 100
 45 102.0 51.7 155.2

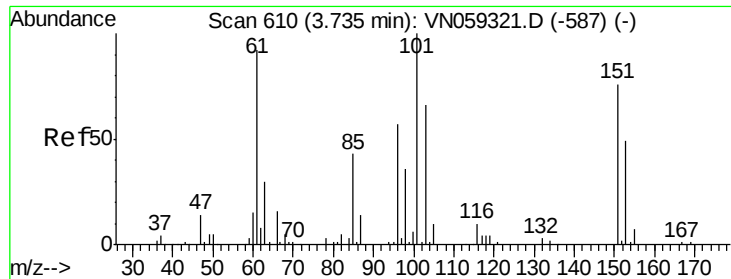


Abundance Ion 74.00 (73.70 to 74.70): VNO
 Ion 45.00 (44.70 to 45.70): VNO



Time-->





#9

1,1,2-Trichlorotrifluoroethane

Concen: 42.808 ug/l

RT: 3.71 min Scan# 601

Delta R.T. -0.03 min

Lab File: VN059344.D

Acq: 21 Nov 2019 18:24

Instrument :

MSVOA_N

ClientSampleId :

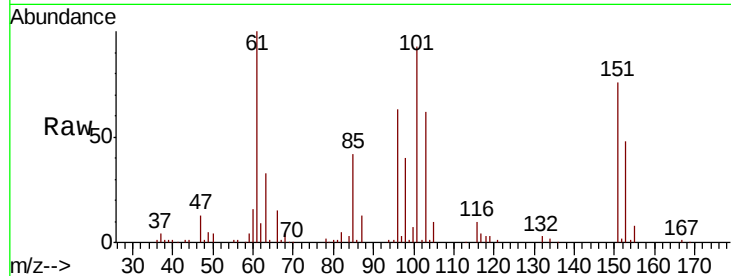
Tot Ion:101 Resp: 188976

Ion Ratio Lower Upper

101 100

85 44.0 34.8 52.2

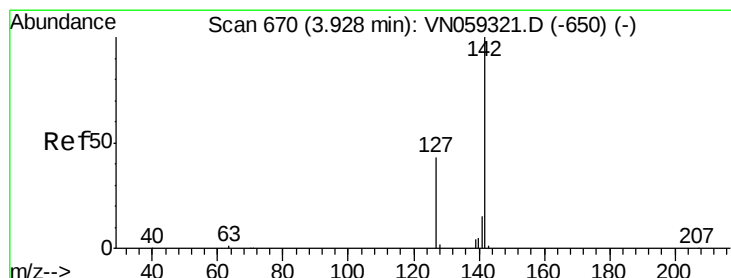
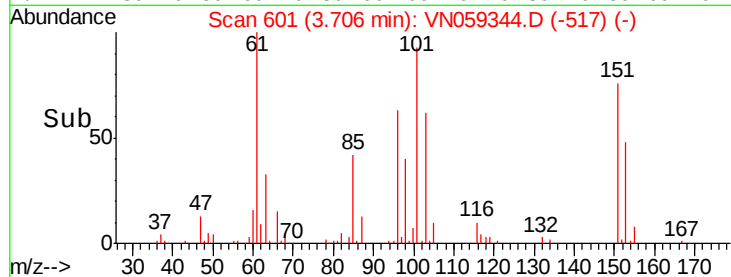
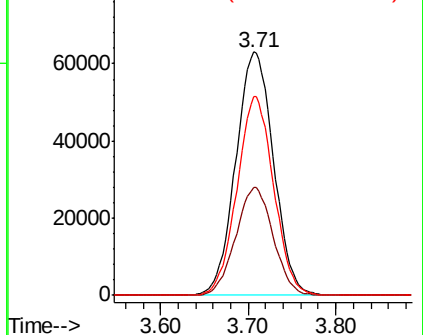
151 79.0 62.2 93.4



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 41.146 ug/l

RT: 3.91 min Scan# 664

Delta R.T. -0.02 min

Lab File: VN059344.D

Acq: 21 Nov 2019 18:24

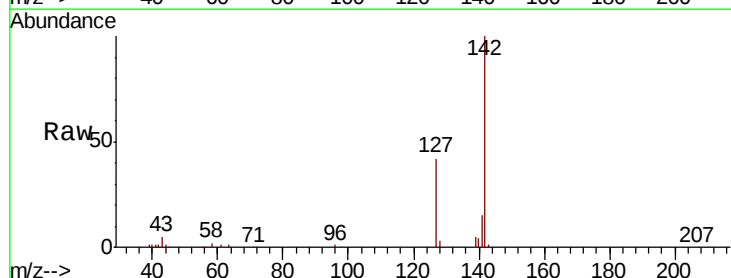
Tgt Ion:142 Resp: 225744

Ion Ratio Lower Upper

142 100

127 40.3 33.8 50.6

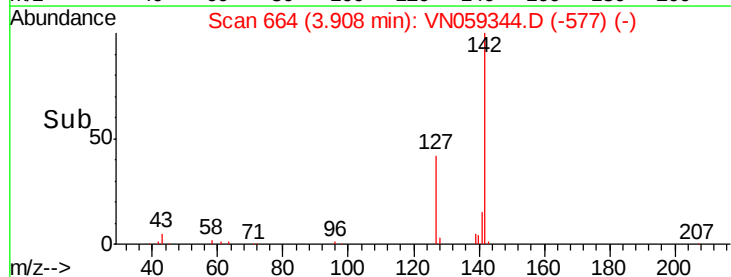
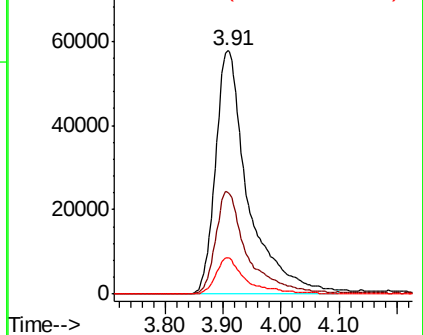
141 13.7 11.2 16.8

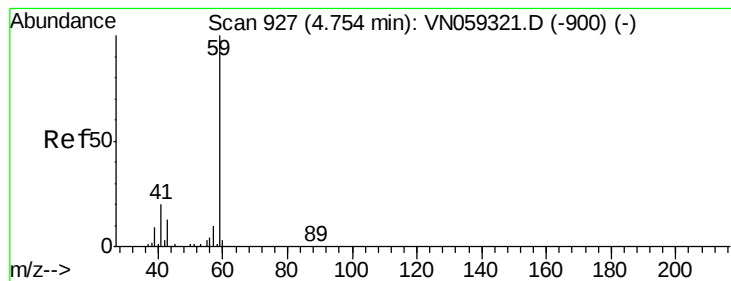


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



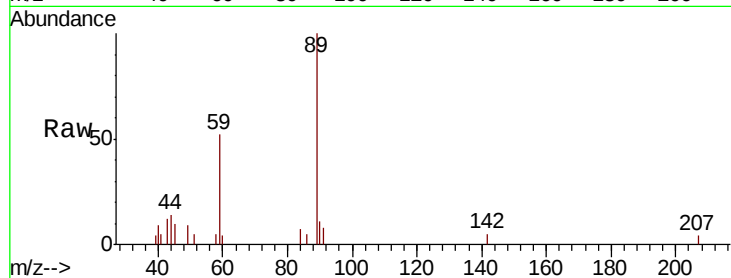


#11

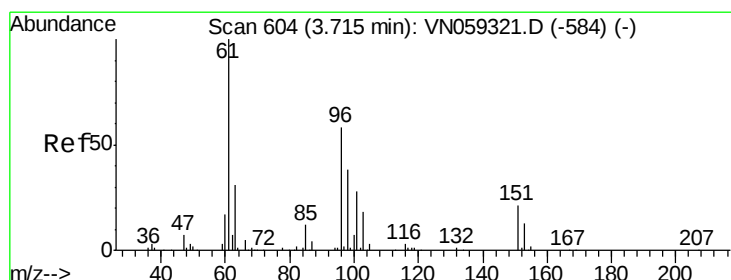
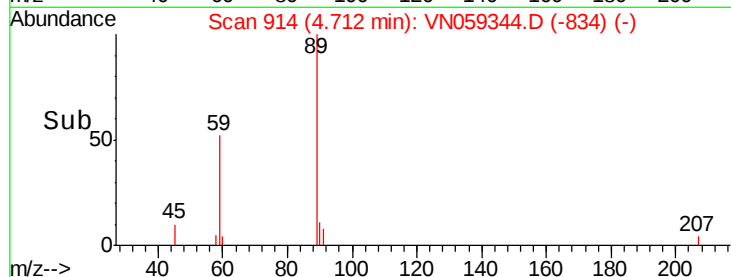
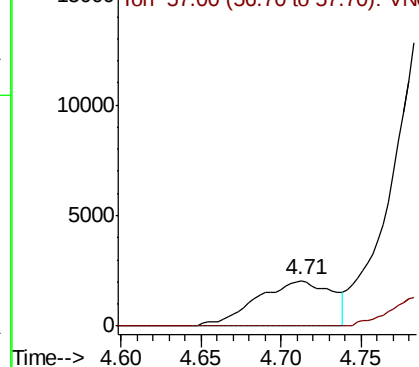
Tert butyl alcohol
Concen: 6.716 ug/l
RT: 4.71 min Scan# 914
Delta R.T. -0.04 min
Lab File: VN059344.D
Acq: 21 Nov 2019 18:24

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 59 Resp: 6698
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#



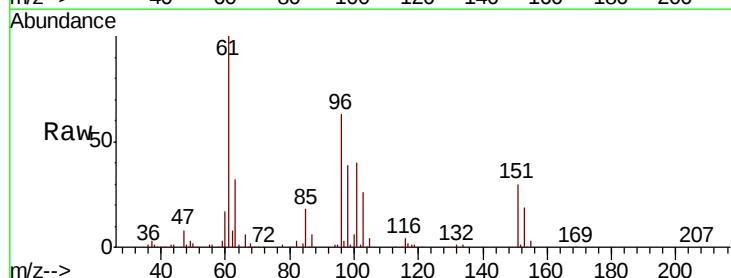
Abundance Ion 59.00 (58.70 to 59.70): VN0
Ion 57.00 (56.70 to 57.70): VN0



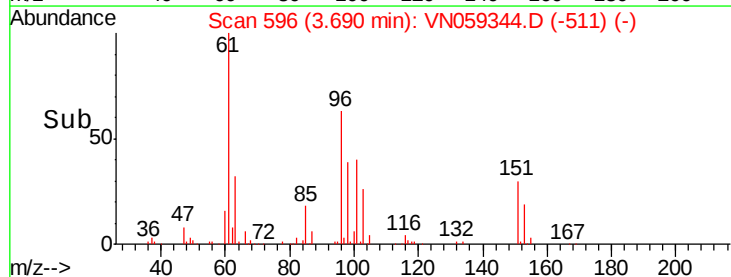
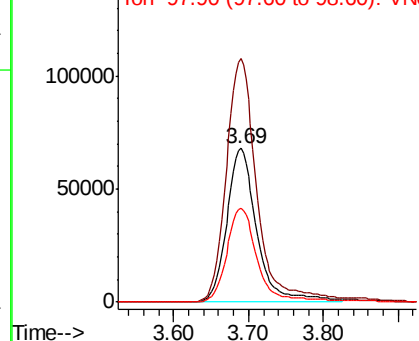
#12

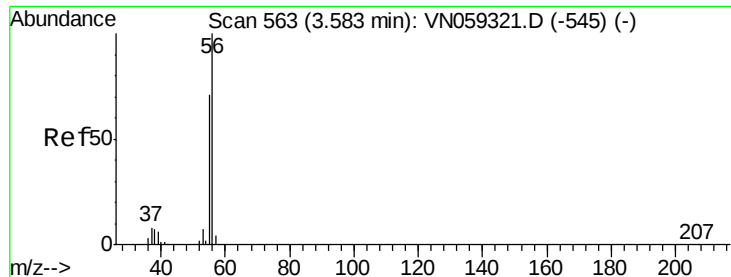
1,1-Dichloroethene
Concen: 42.334 ug/l
RT: 3.69 min Scan# 596
Delta R.T. -0.03 min
Lab File: VN059344.D
Acq: 21 Nov 2019 18:24

Tgt Ion: 96 Resp: 189699
Ion Ratio Lower Upper
96 100
61 158.4 136.8 205.2
98 61.0 51.6 77.4



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





#13

Acrolein

Concen: 203.564 ug/l

RT: 3.58 min Scan# 561

Delta R.T. -0.01 min

Lab File: VN059344.D

Acq: 21 Nov 2019 18:24

Instrument :

MSVOA_N

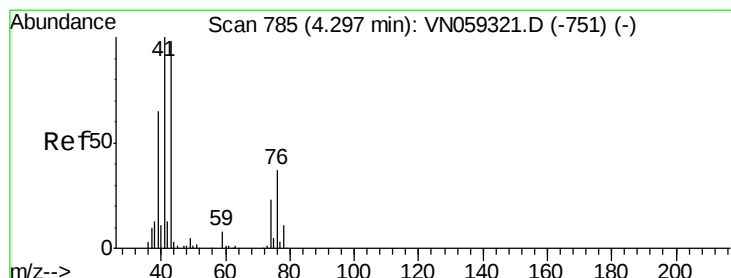
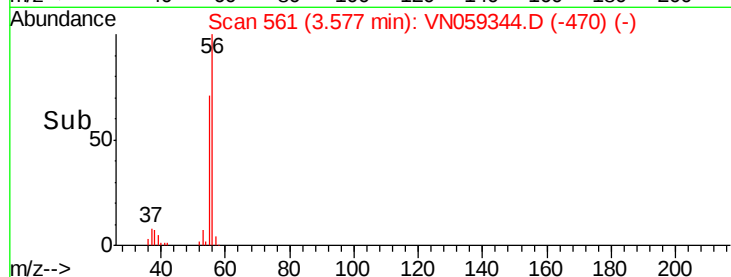
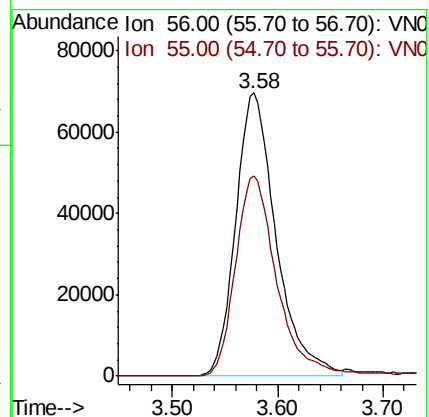
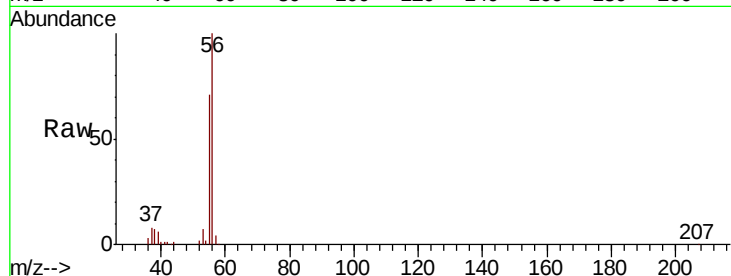
ClientSampleId :

Tot Ion: 56 Resp: 185335

Ion Ratio Lower Upper

56 100

55 72.9 57.4 86.0



#14

Allyl chloride

Concen: 38.552 ug/l

RT: 4.28 min Scan# 780

Delta R.T. -0.02 min

Lab File: VN059344.D

Acq: 21 Nov 2019 18:24

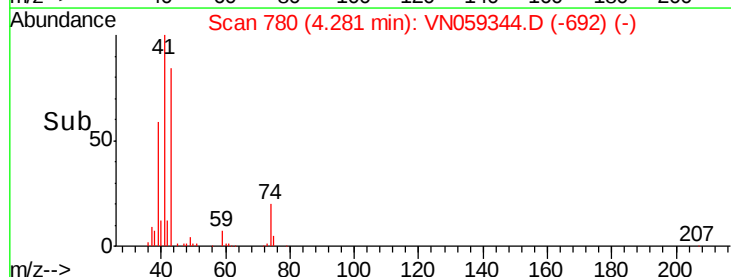
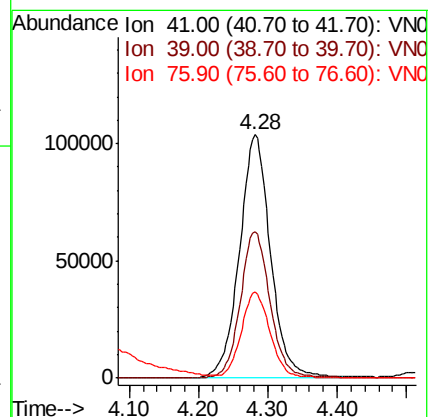
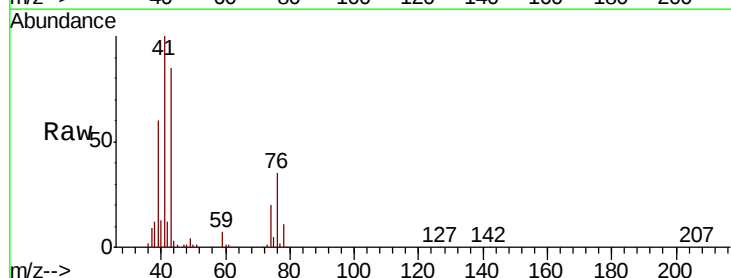
Tgt Ion: 41 Resp: 322725

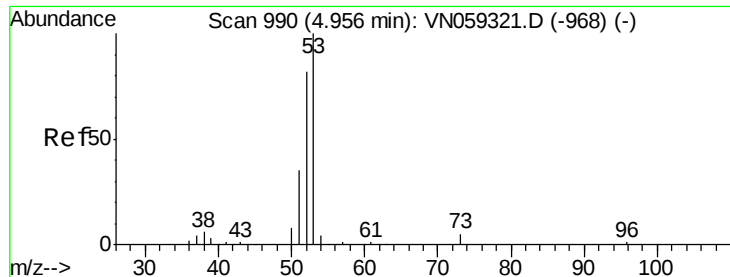
Ion Ratio Lower Upper

41 100

39 57.2 48.4 72.6

76 32.7 26.2 39.4





#15

Acrylonitrile

Concen: 214.579 ug/l

RT: 4.96 min Scan# 991

Delta R.T. 0.00 min

Lab File: VN059344.D

Acq: 21 Nov 2019 18:24

Instrument :

MSVOA_N

ClientSampleId :

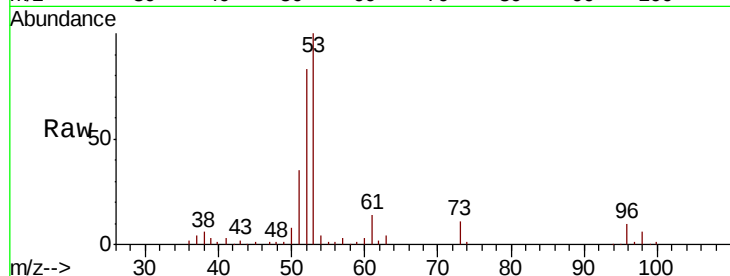
Tot Ion: 53 Resp: 565861

Ion Ratio Lower Upper

53 100

52 82.5 65.8 98.8

51 34.8 28.2 42.2

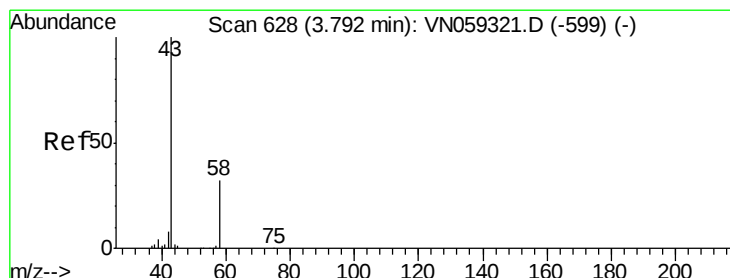
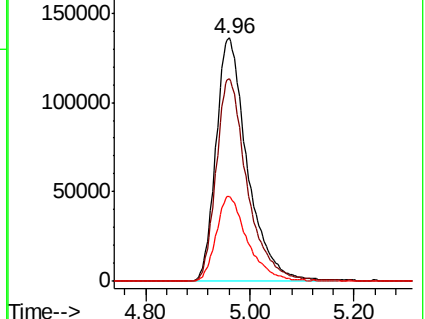
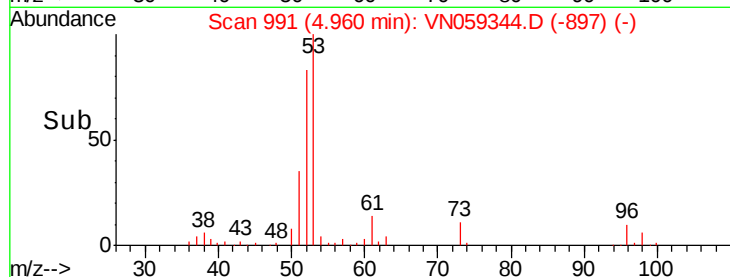


Abundance Ion 53.00 (52.70 to 53.70): VN059321.D (-968) (-)

Ion 52.00 (51.70 to 52.70): VN059321.D (-968) (-)

Ion 51.00 (50.70 to 51.70): VN059321.D (-968) (-)

Time-->



#16

Acetone

Concen: 196.615 ug/l

RT: 3.80 min Scan# 630

Delta R.T. 0.01 min

Lab File: VN059344.D

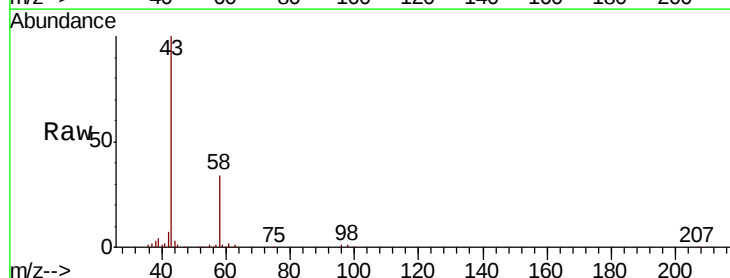
Acq: 21 Nov 2019 18:24

Tgt Ion: 43 Resp: 439167

Ion Ratio Lower Upper

43 100

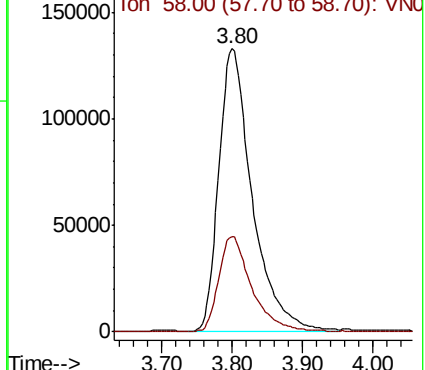
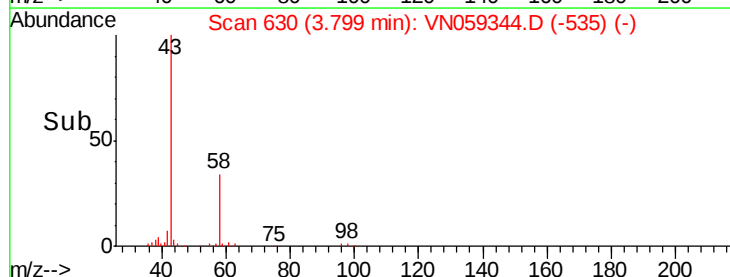
58 33.7 25.8 38.6

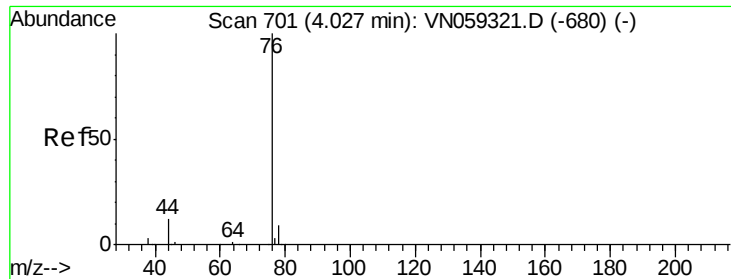


Abundance Ion 43.00 (42.70 to 43.70): VN059321.D (-599) (-)

Ion 58.00 (57.70 to 58.70): VN059321.D (-599) (-)

Time-->

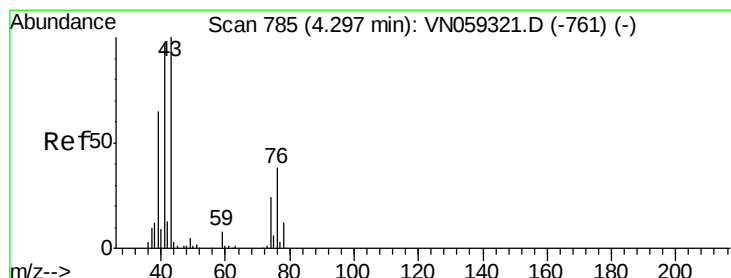
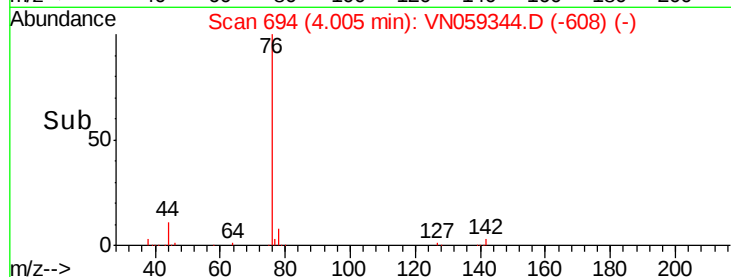
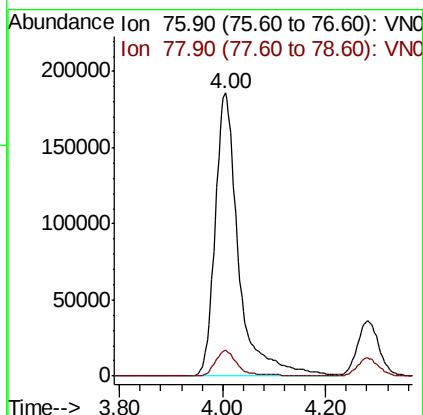
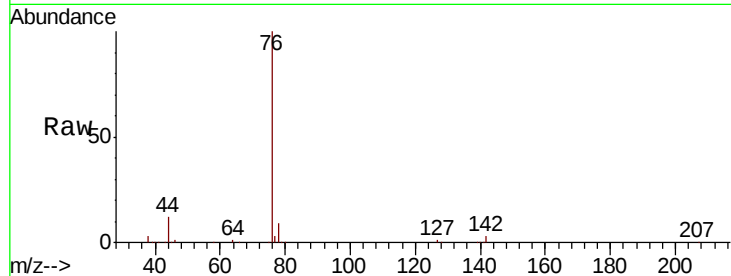




#17
Carbon Disulfide
Concen: 41.953 ug/l
RT: 4.00 min Scan# 694
Delta R.T. -0.02 min
Lab File: VN059344.D
Acq: 21 Nov 2019 18:24

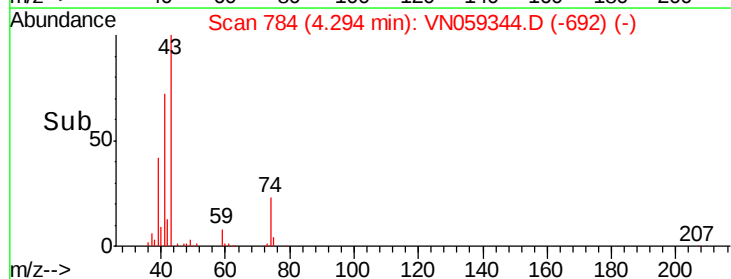
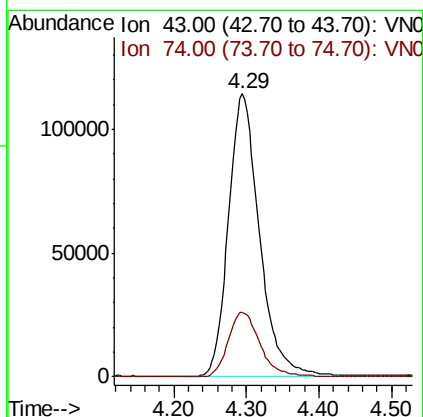
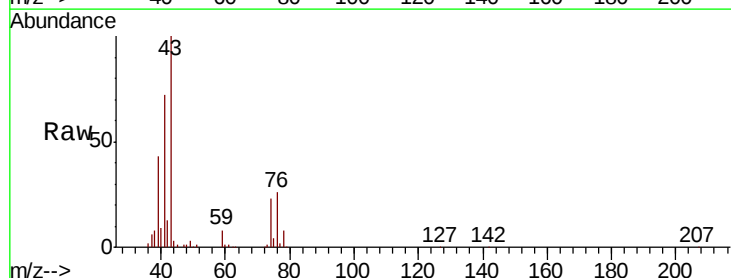
Instrument :
MSVOA_N
ClientSampled :

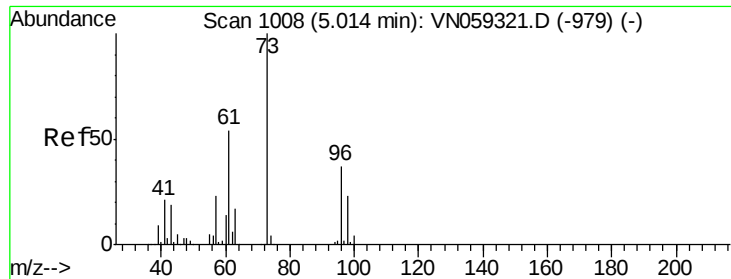
Tot Ion: 76 Resp: 588851
Ion Ratio Lower Upper
76 100
78 9.0 7.2 10.8



#18
Methyl Acetate
Concen: 45.681 ug/l
RT: 4.29 min Scan# 784
Delta R.T. -0.00 min
Lab File: VN059344.D
Acq: 21 Nov 2019 18:24

Tgt Ion: 43 Resp: 338621
Ion Ratio Lower Upper
43 100
74 23.7 18.1 27.1

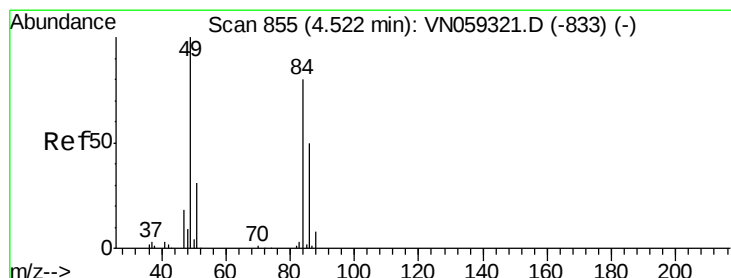
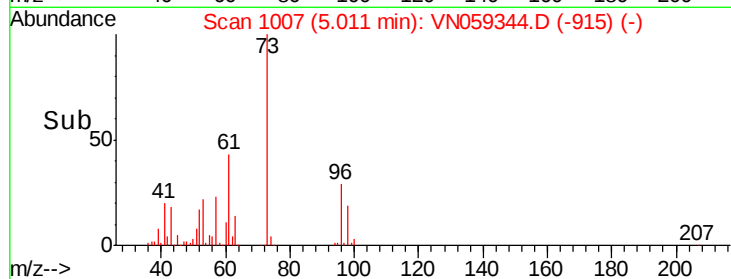
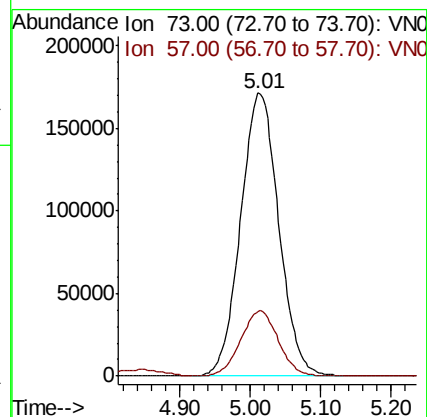
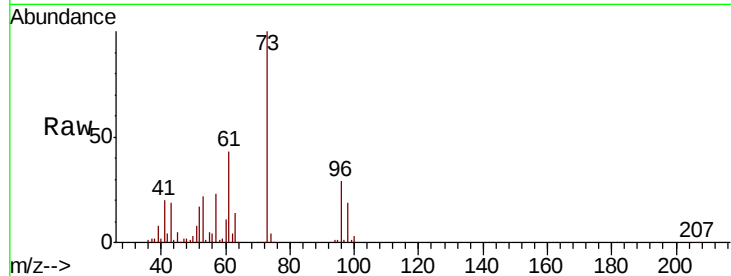




#19
Methyl tert-butyl Ether
Concen: 44.632 ug/l
RT: 5.01 min Scan# 1007
Delta R.T. -0.00 min
Lab File: VN059344.D
Acq: 21 Nov 2019 18:24

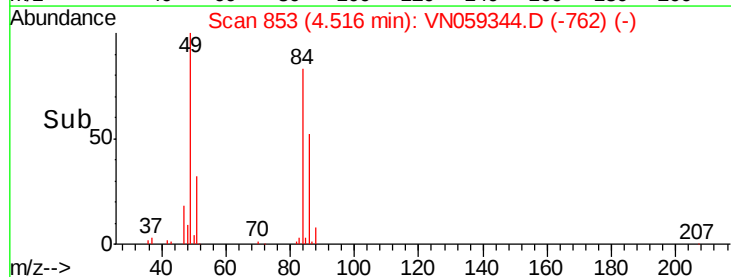
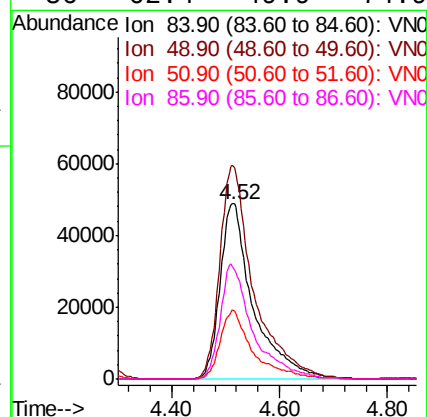
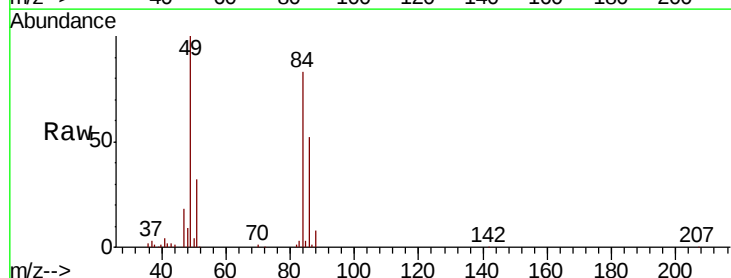
Instrument :
MSVOA_N
ClientSampleId :

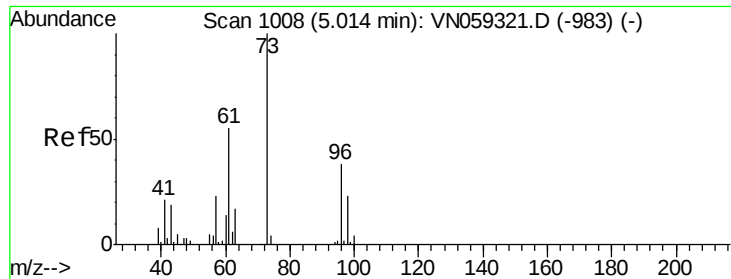
Tot Ion: 73 Resp: 645964
Ion Ratio Lower Upper
73 100
57 22.9 18.4 27.6



#20
Methylene Chloride
Concen: 41.726 ug/l
RT: 4.52 min Scan# 853
Delta R.T. -0.01 min
Lab File: VN059344.D
Acq: 21 Nov 2019 18:24

Tgt Ion: 84 Resp: 210202
Ion Ratio Lower Upper
84 100
49 120.1 99.5 149.3
51 38.9 31.1 46.7
86 62.4 49.9 74.9





#21

trans-1,2-Dichloroethene

Concen: 43.669 ug/l

RT: 5.00 min Scan# 1002

Delta R.T. -0.02 min

Lab File: VN059344.D

Acq: 21 Nov 2019 18:24

Instrument :

MSVOA_N

ClientSampleId :

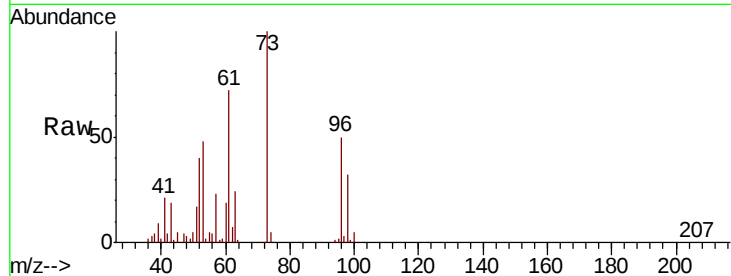
Tot Ion: 96 Resp: 207386

Ion Ratio Lower Upper

96 100

61 142.6 116.4 174.6

98 63.0 49.6 74.4

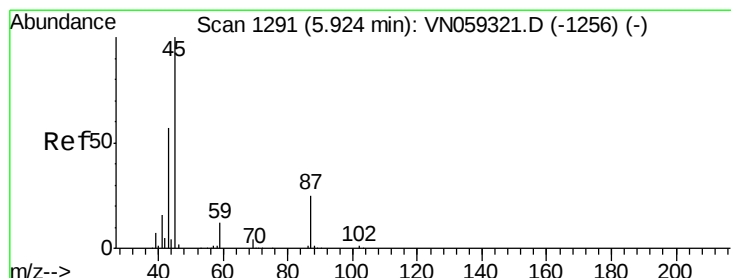
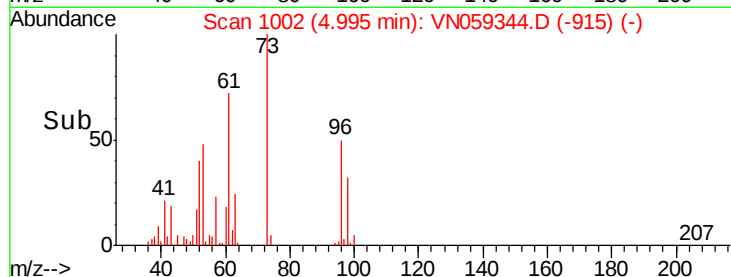
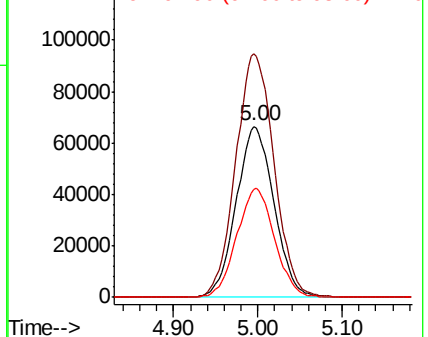


Abundance

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: 43.659 ug/l

RT: 5.92 min Scan# 1291

Delta R.T. 0.00 min

Lab File: VN059344.D

Acq: 21 Nov 2019 18:24

Tgt Ion: 45 Resp: 688120

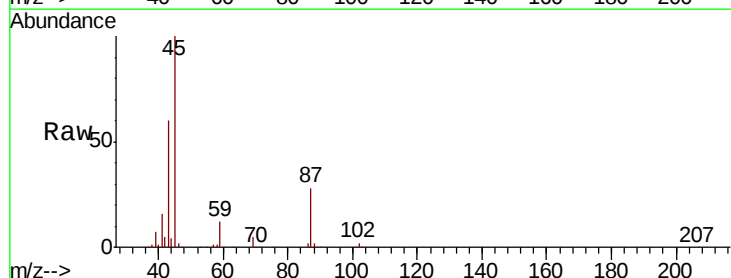
Ion Ratio Lower Upper

45 100

43 59.6 47.6 71.4

87 27.7 20.7 31.1

59 11.7 9.4 14.2



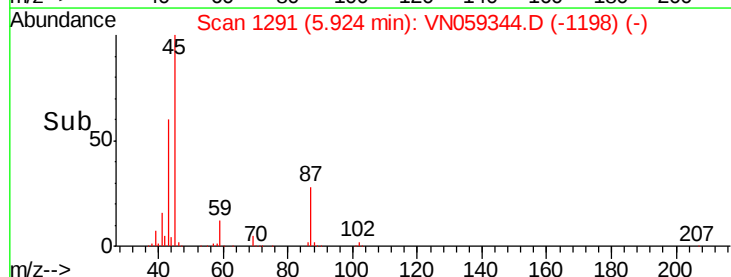
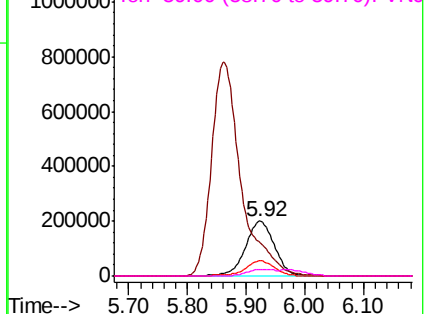
Abundance

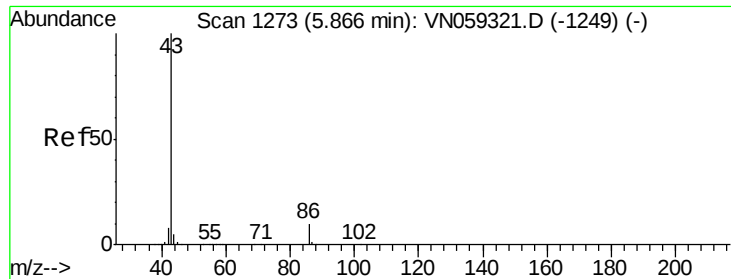
Ion 45.00 (44.70 to 45.70): VN0

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: 221.126 ug/l

RT: 5.86 min Scan# 1272

Delta R.T. -0.00 min

Lab File: VN059344.D

Acq: 21 Nov 2019 18:24

Instrument :

MSVOA_N

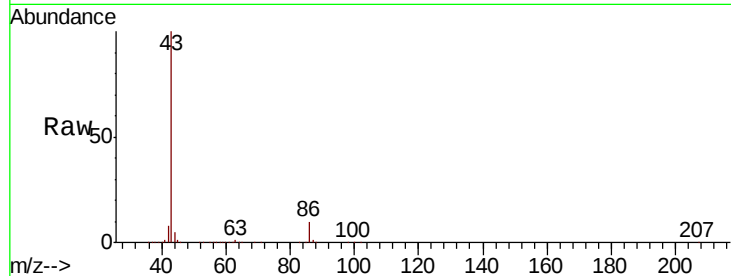
ClientSampled :

Tot Ion: 43 Resp: 2740666

Ion Ratio Lower Upper

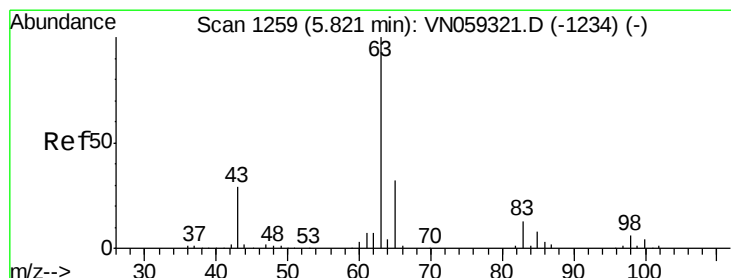
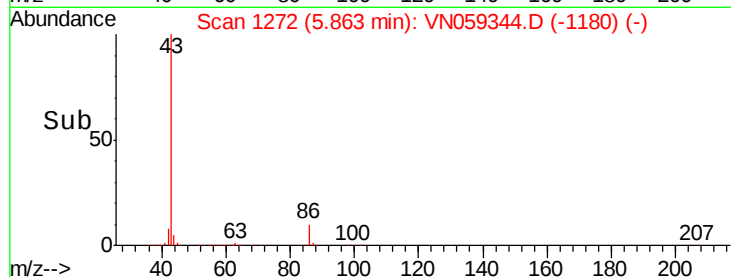
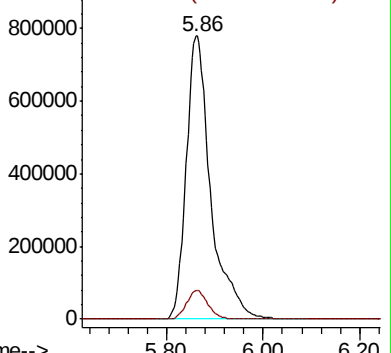
43 100

86 10.1 8.0 12.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 43.833 ug/l

RT: 5.81 min Scan# 1256

Delta R.T. -0.01 min

Lab File: VN059344.D

Acq: 21 Nov 2019 18:24

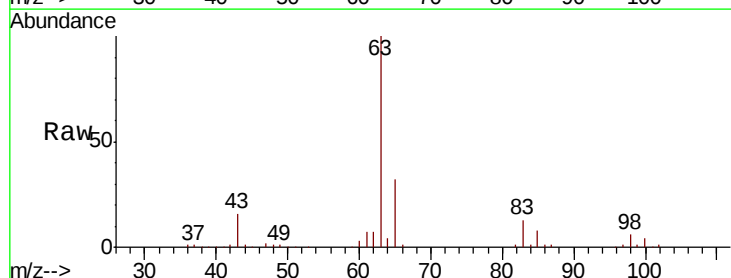
Tgt Ion: 63 Resp: 388865

Ion Ratio Lower Upper

63 100

98 6.4 2.9 8.8

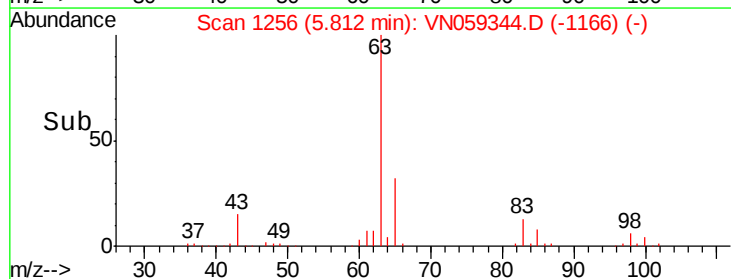
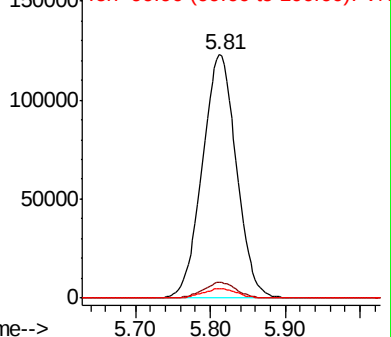
100 4.0 1.9 5.7

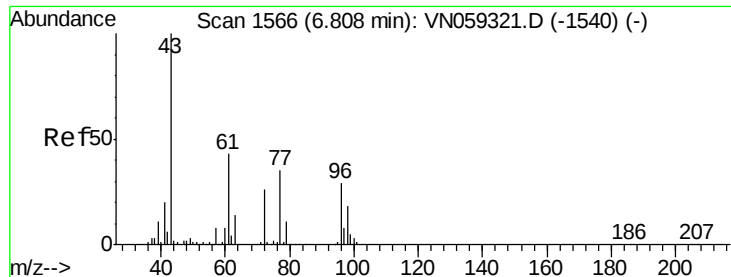


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 210.387 ug/l

RT: 6.82 min Scan# 1569

Delta R.T. 0.01 min

Lab File: VN059344.D

Acq: 21 Nov 2019 18:24

Instrument :

MSVOA_N

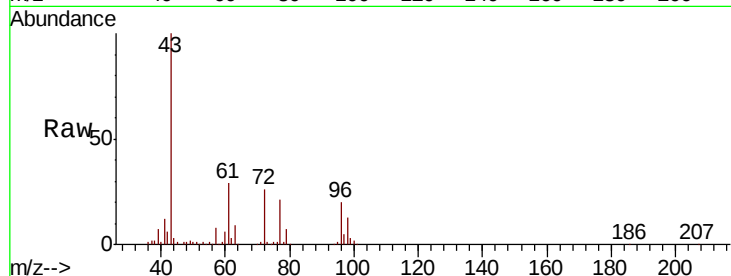
ClientSampleId :

Tot Ion: 43 Resp: 730734

Ion Ratio Lower Upper

43 100

72 26.0 20.5 30.7



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

250000

200000

150000

100000

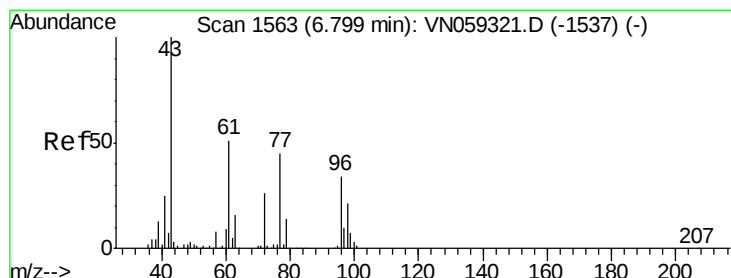
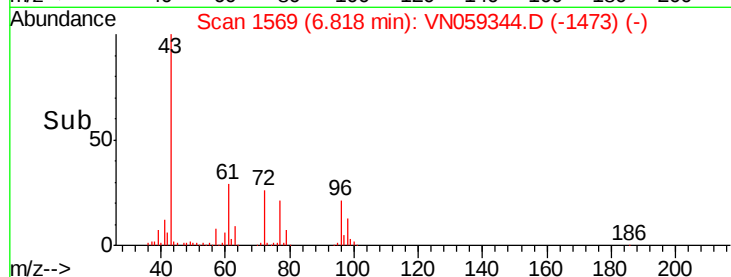
50000

0

6.70 6.75 6.80 6.85 6.90

6.82

Time-->



#26

2,2-Dichloropropane

Concen: 42.065 ug/l

RT: 6.79 min Scan# 1560

Delta R.T. -0.01 min

Lab File: VN059344.D

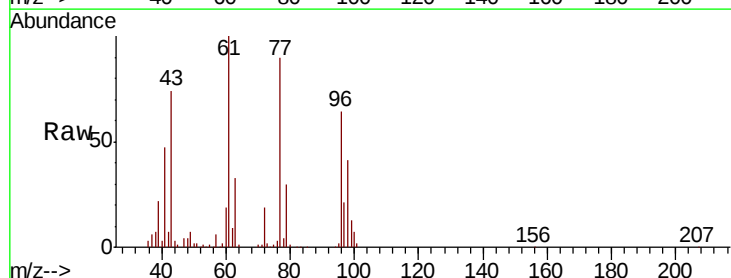
Acq: 21 Nov 2019 18:24

Tgt Ion: 77 Resp: 323133

Ion Ratio Lower Upper

77 100

97 23.0 11.5 34.4



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0

120000

100000

80000

60000

40000

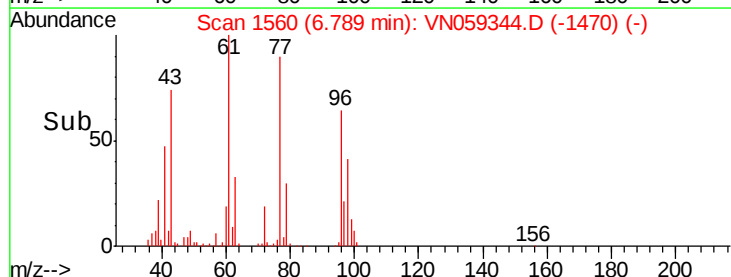
20000

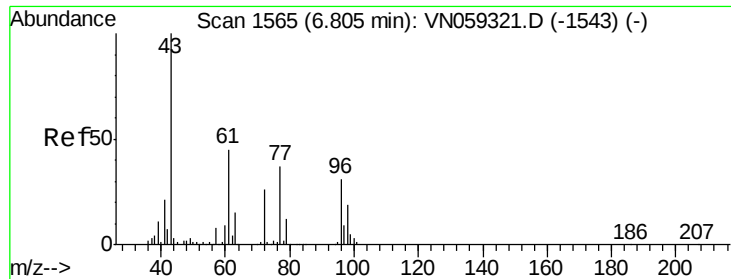
0

6.70 6.75 6.80 6.85 6.90

6.79

Time-->





#27

cis-1,2-Dichloroethene

Concen: 42.882 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.01 min

Lab File: VN059344.D

Acq: 21 Nov 2019 18:24

Instrument :
MSVOA_N
ClientSampleId :

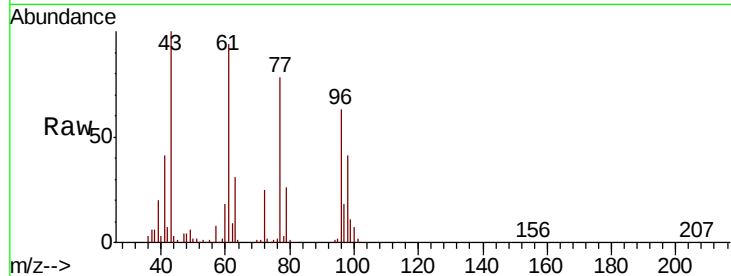
Tot Ion: 96 Resp: 229771

Ion Ratio Lower Upper

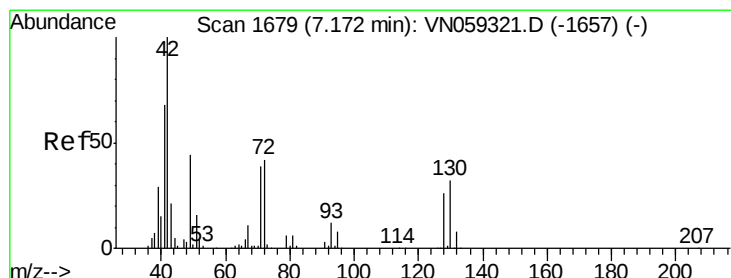
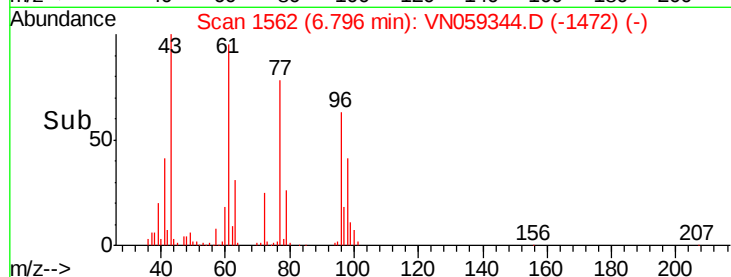
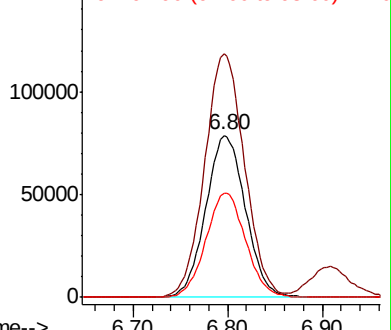
96 100

61 151.4 0.0 304.0

98 64.6 0.0 128.4



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: 44.948 ug/l

RT: 7.17 min Scan# 1679

Delta R.T. 0.00 min

Lab File: VN059344.D

Acq: 21 Nov 2019 18:24

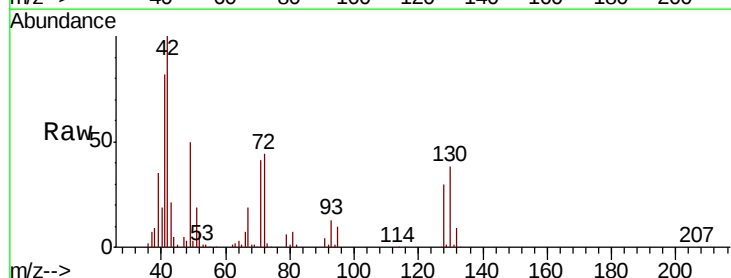
Tgt Ion: 49 Resp: 161526

Ion Ratio Lower Upper

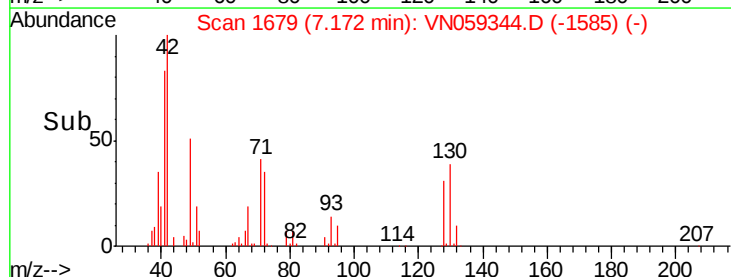
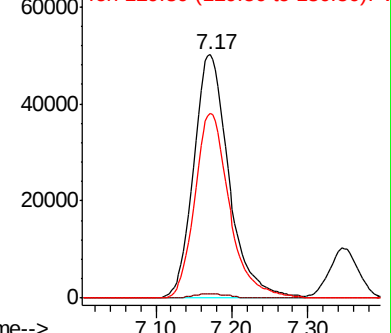
49 100

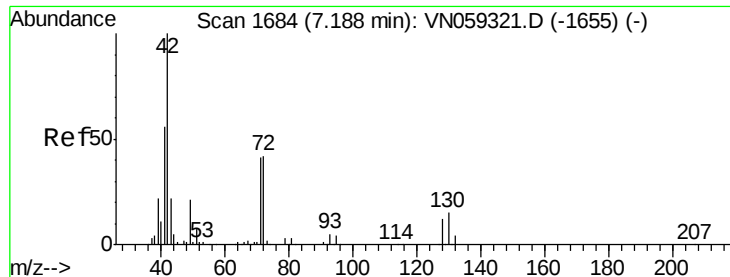
129 1.8 0.0 3.8

130 74.9 57.0 85.6



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

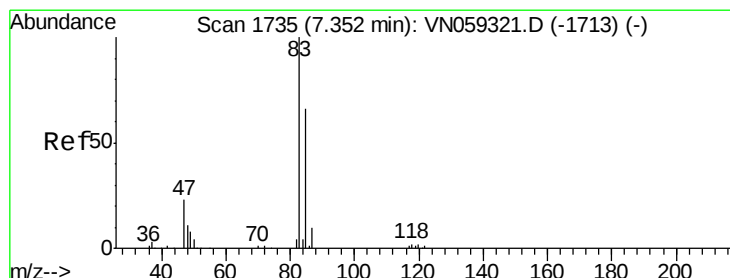
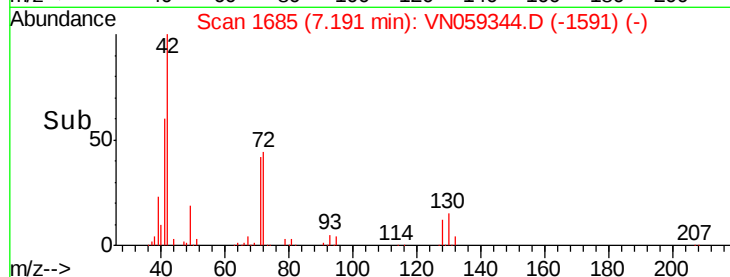
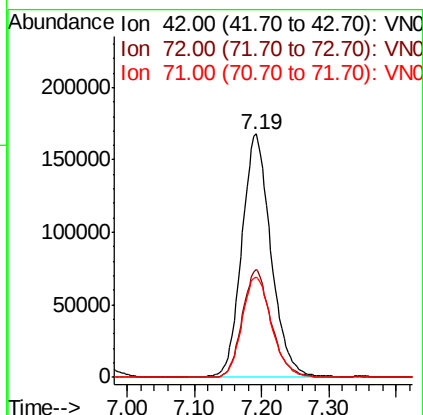
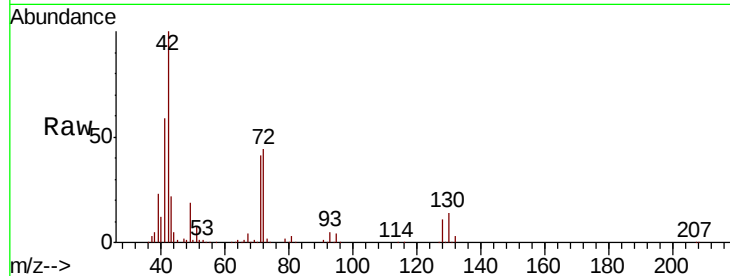




#29
Tetrahydrofuran
Concen: 209.986 ug/l
RT: 7.19 min Scan# 1685
Delta R.T. 0.00 min
Lab File: VN059344.D
Acq: 21 Nov 2019 18:24

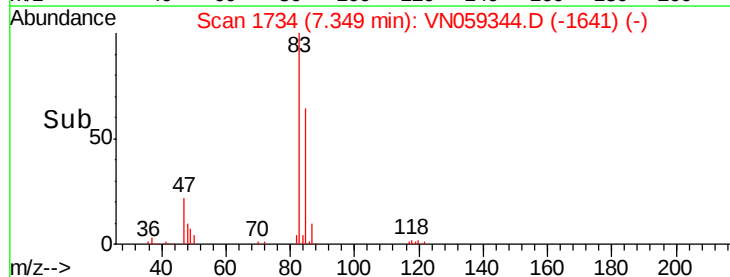
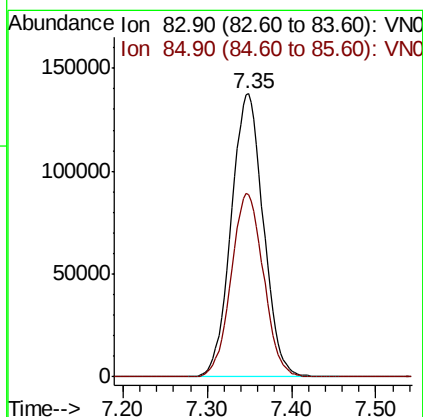
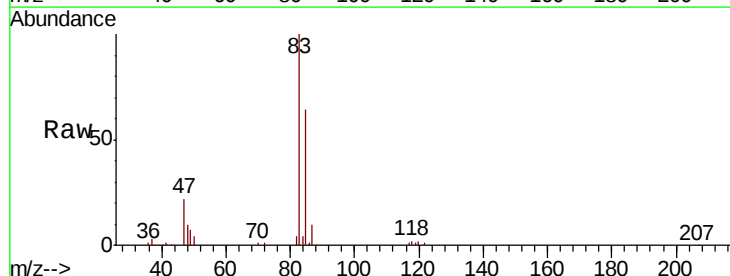
Instrument :
MSVOA_N
ClientSampleId :

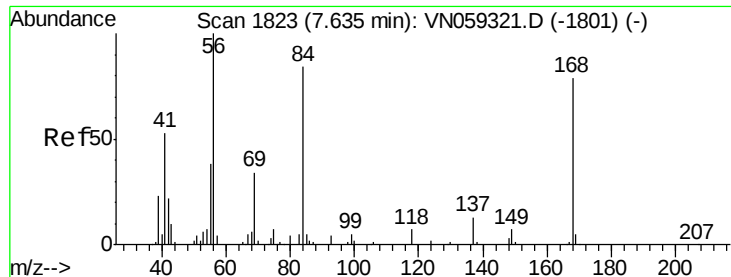
Tot Ion: 42 Resp: 504313
Ion Ratio Lower Upper
42 100
72 43.9 34.2 51.2
71 41.8 32.6 48.8



#30
Chloroform
Concen: 42.427 ug/l
RT: 7.35 min Scan# 1734
Delta R.T. -0.00 min
Lab File: VN059344.D
Acq: 21 Nov 2019 18:24

Tgt Ion: 83 Resp: 365419
Ion Ratio Lower Upper
83 100
85 64.3 52.7 79.1





#31

Cyclohexane

Concen: 42.151 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.01 min

Lab File: VN059344.D

Acq: 21 Nov 2019 18:24

Instrument :
MSVOA_N
ClientSampled :

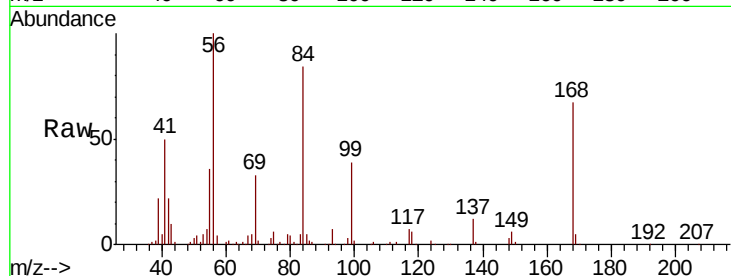
Tot Ion: 56 Resp: 369731

Ion Ratio Lower Upper

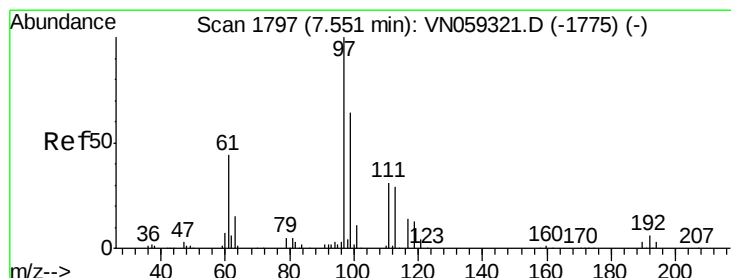
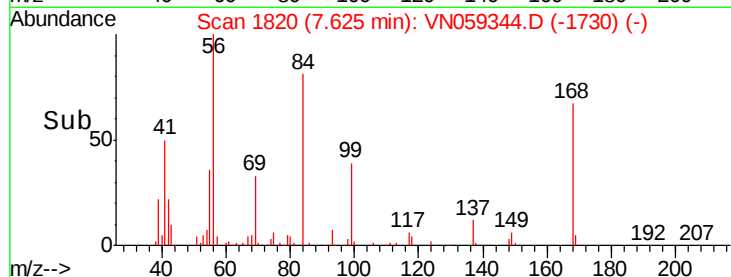
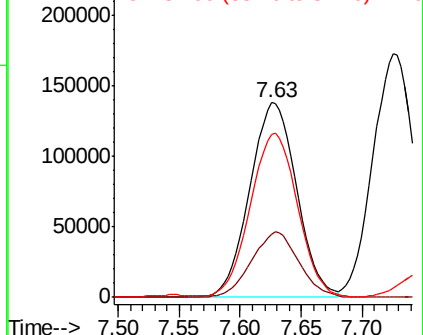
56 100

69 32.7 26.6 40.0

84 82.9 67.0 100.4



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



#32

1,1,1-Trichloroethane

Concen: 42.745 ug/l

RT: 7.54 min Scan# 1795

Delta R.T. -0.01 min

Lab File: VN059344.D

Acq: 21 Nov 2019 18:24

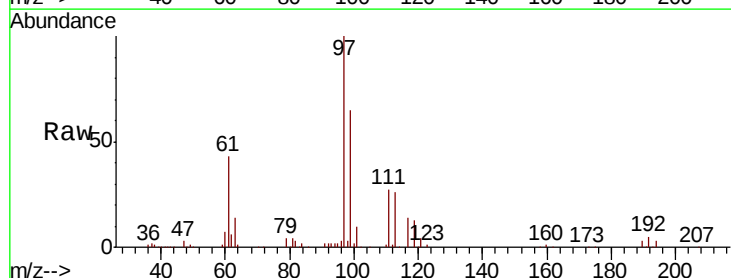
Tgt Ion: 97 Resp: 316178

Ion Ratio Lower Upper

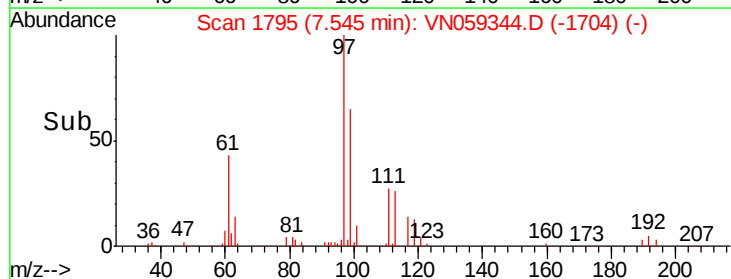
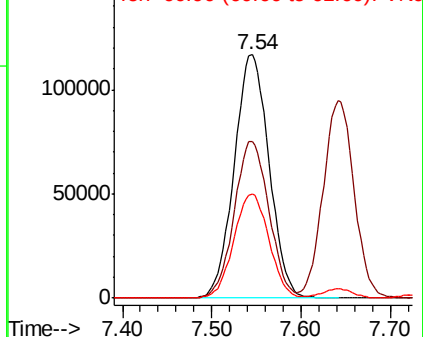
97 100

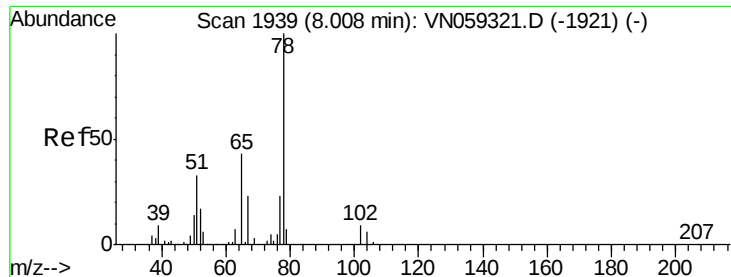
99 64.3 51.3 76.9

61 43.2 35.3 52.9



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

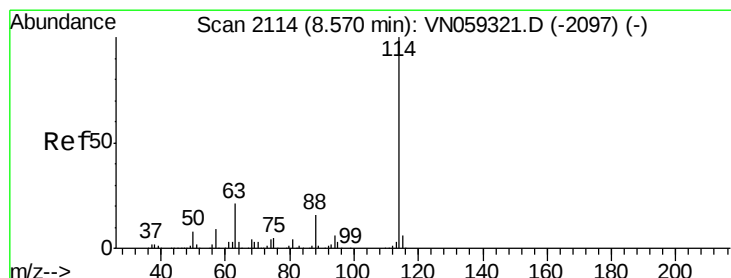
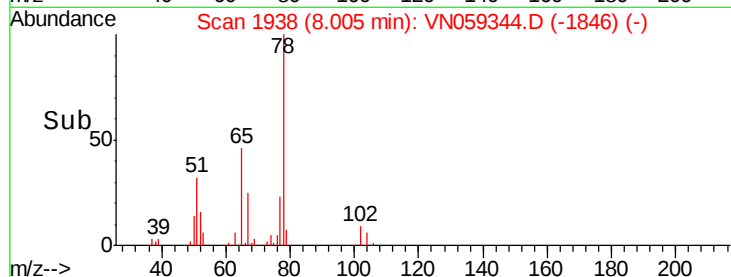
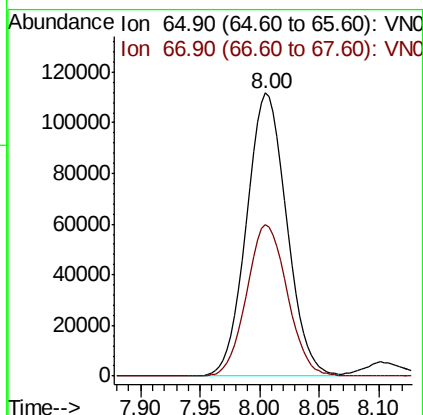
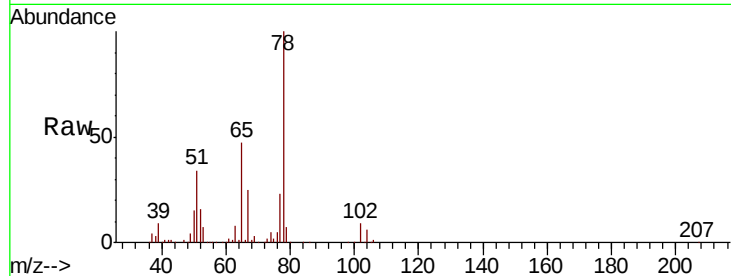




#33
 1,2-Dichloroethane-d4
 Concen: 52.552 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. -0.00 min
 Lab File: VN059344.D
 Acq: 21 Nov 2019 18:24

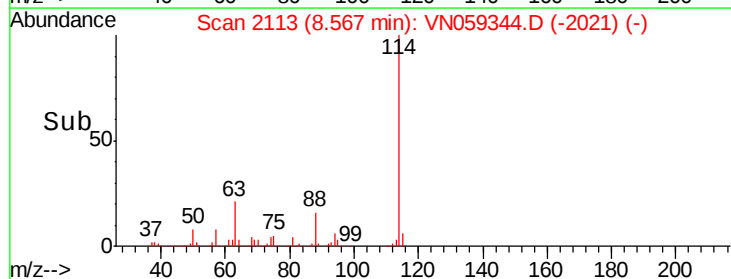
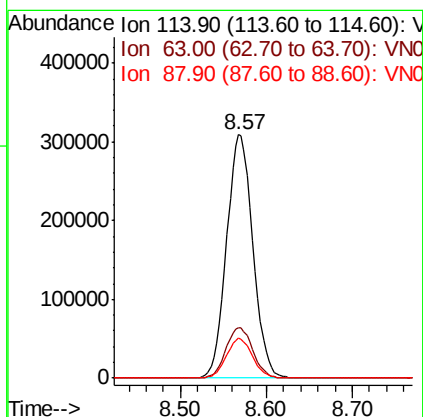
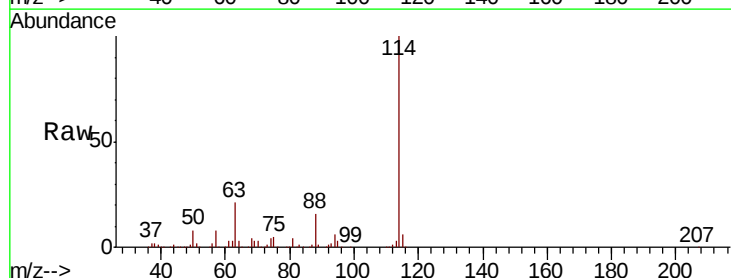
Instrument :
 MSVOA_N
 ClientSampleId :

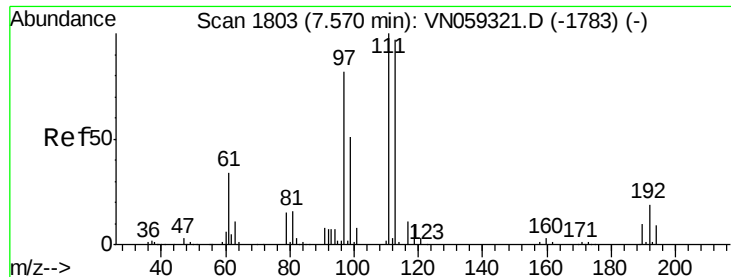
Tot Ion: 65 Resp: 261791
 Ion Ratio Lower Upper
 65 100
 67 53.9 0.0 109.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. -0.00 min
 Lab File: VN059344.D
 Acq: 21 Nov 2019 18:24

Tgt Ion: 114 Resp: 654535
 Ion Ratio Lower Upper
 114 100
 63 20.9 0.0 42.2
 88 16.3 0.0 32.2

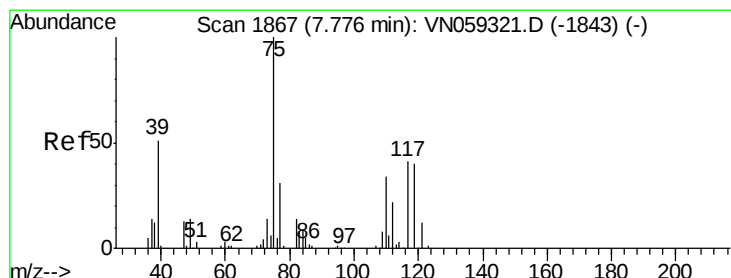
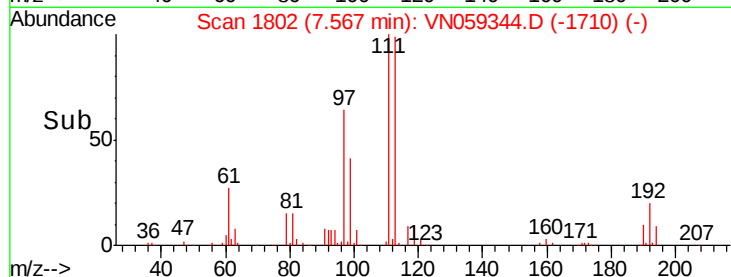
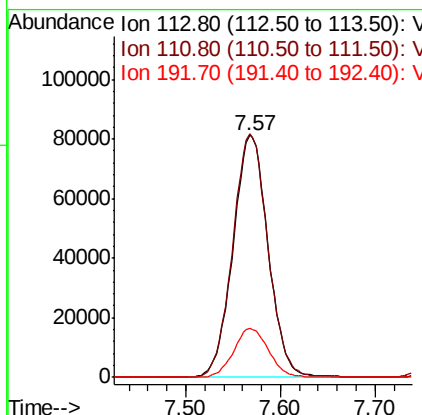
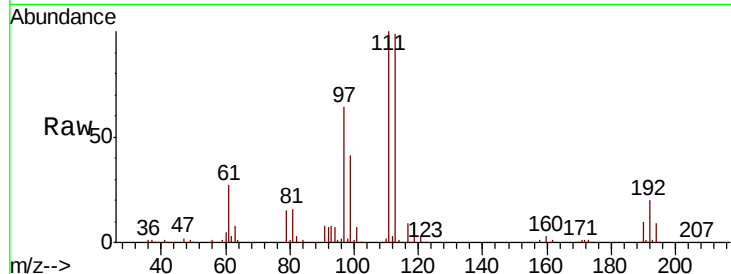




#35
 Dibromofluoromethane
 Concen: 53.241 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. -0.00 min
 Lab File: VN059344.D
 Acq: 21 Nov 2019 18:24

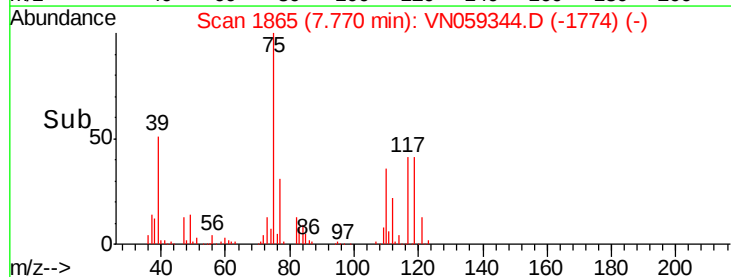
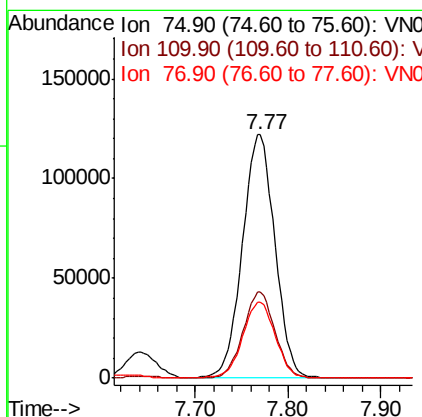
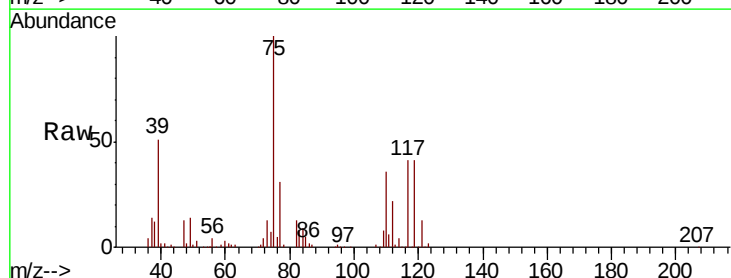
Instrument :
 MSVOA_N
 ClientSampled :

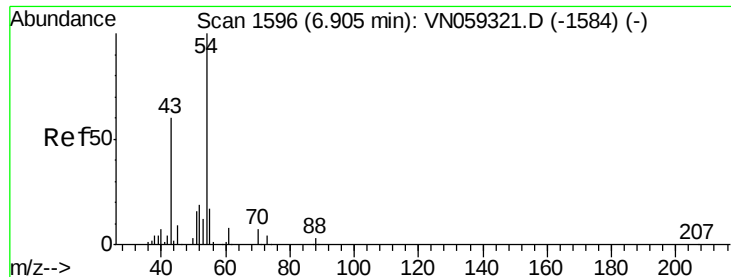
Tot Ion	Ratio	Lower	Upper
113	100		
111	100.9	82.7	124.1
192	20.0	16.3	24.5



#36
 1,1-Dichloropropene
 Concen: 43.730 ug/l
 RT: 7.77 min Scan# 1865
 Delta R.T. -0.01 min
 Lab File: VN059344.D
 Acq: 21 Nov 2019 18:24

Tgt Ion	Ratio	Lower	Upper
75	100		
110	34.5	17.0	51.0
77	31.5	24.8	37.2

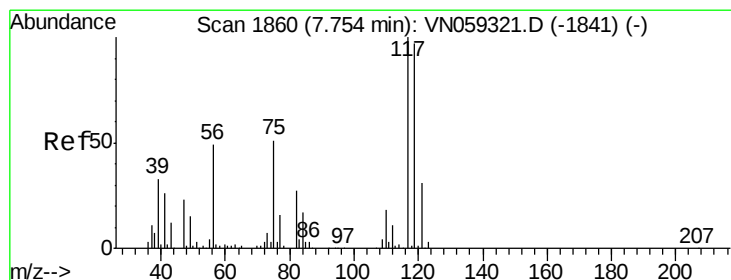
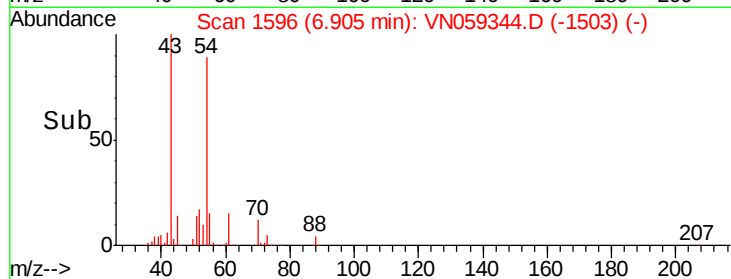
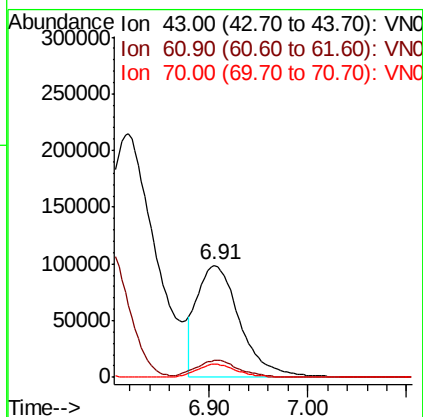
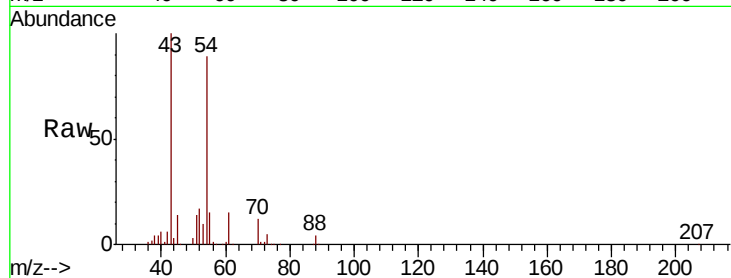




#37
Ethyl Acetate
Concen: 40.551 ug/l
RT: 6.91 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VN059344.D
Acq: 21 Nov 2019 18:24

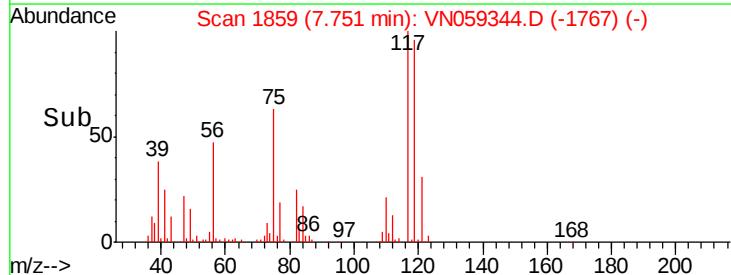
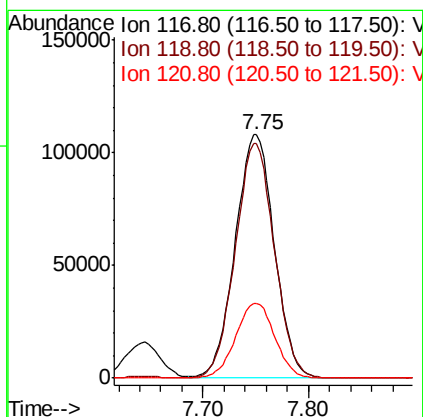
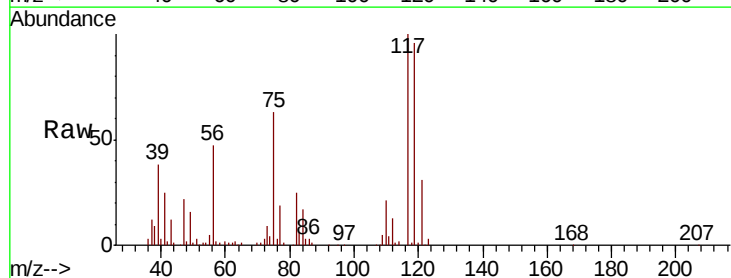
Instrument :
MSVOA_N
ClientSampled :

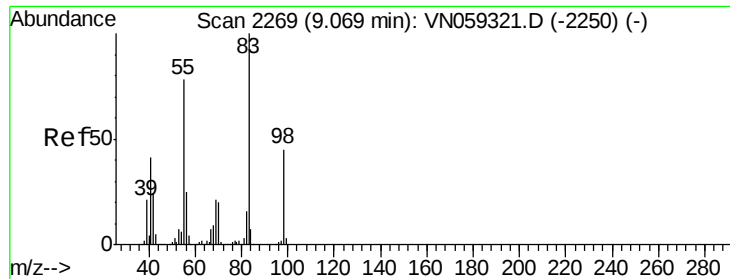
Tot Ion: 43 Resp: 294484
Ion Ratio Lower Upper
43 100
61 15.2 11.0 16.6
70 11.4 8.8 13.2



#38
Carbon Tetrachloride
Concen: 43.032 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. -0.00 min
Lab File: VN059344.D
Acq: 21 Nov 2019 18:24

Tgt Ion: 117 Resp: 278362
Ion Ratio Lower Upper
117 100
119 96.2 77.0 115.4
121 30.9 24.4 36.6

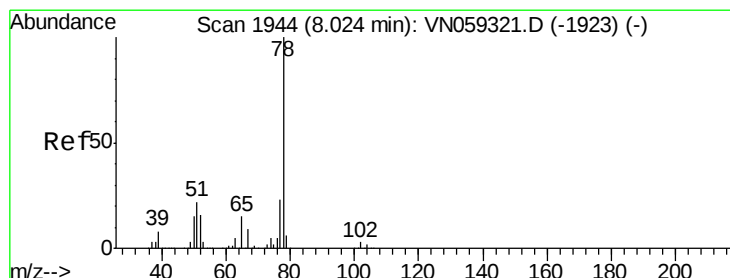
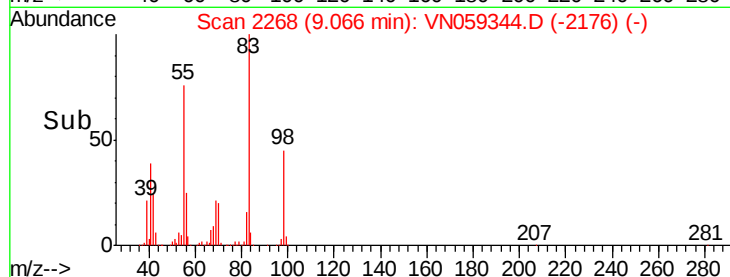
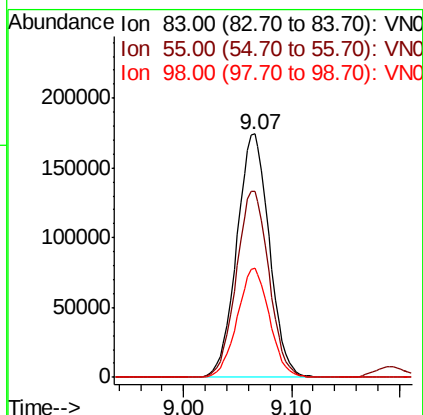
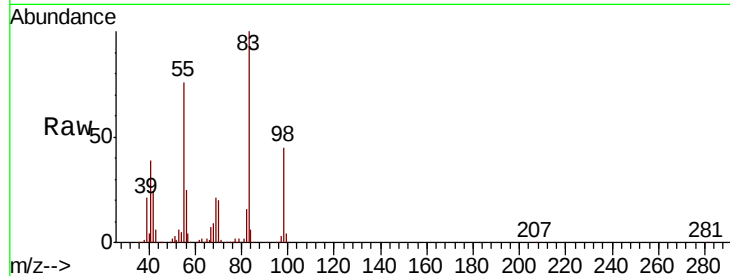




#39
Methvlcvclohexane
Concen: 44.835 ug/l
RT: 9.07 min Scan# 2268
Delta R.T. -0.00 min
Lab File: VN059344.D
Acq: 21 Nov 2019 18:24

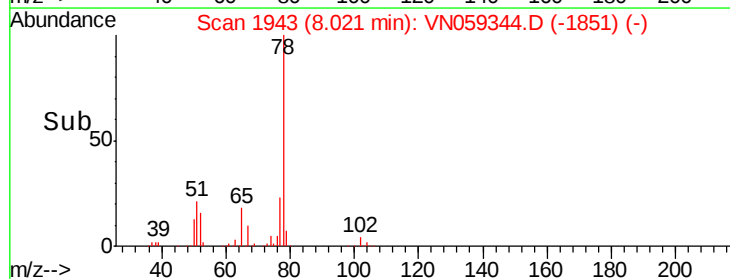
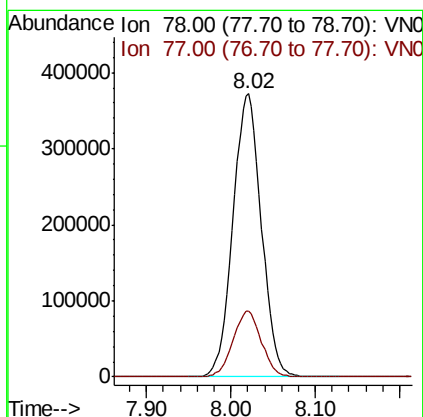
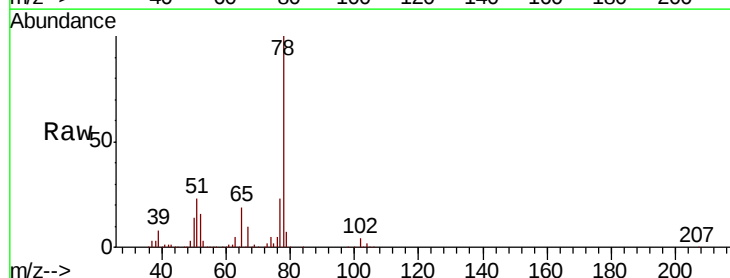
Instrument :
MSVOA_N
ClientSampleId :

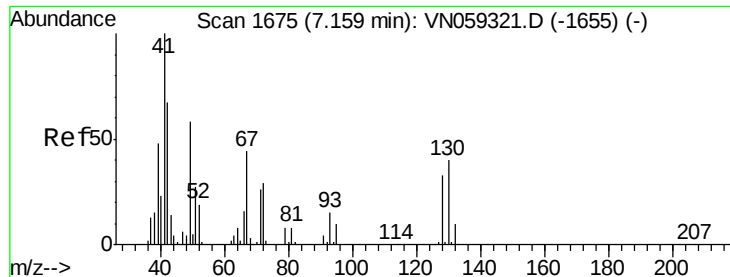
Tot Ion: 83 Resp: 365322
Ion Ratio Lower Upper
83 100
55 76.4 62.3 93.5
98 44.8 36.0 54.0



#40
Benzene
Concen: 43.914 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. -0.00 min
Lab File: VN059344.D
Acq: 21 Nov 2019 18:24

Tgt Ion: 78 Resp: 870906
Ion Ratio Lower Upper
78 100
77 23.3 18.4 27.6

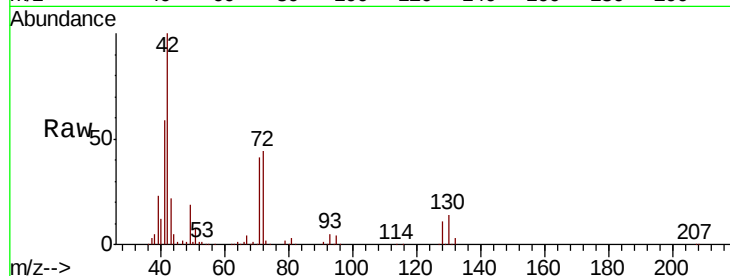




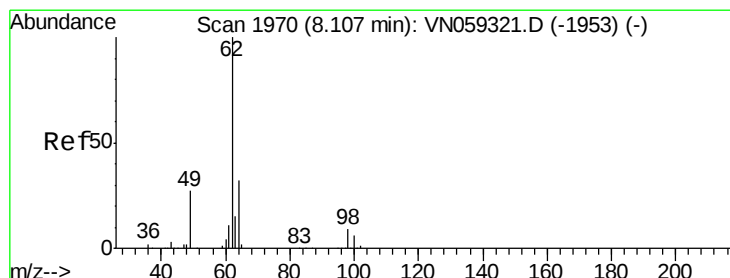
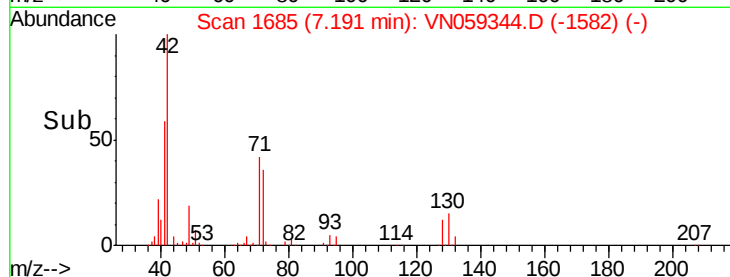
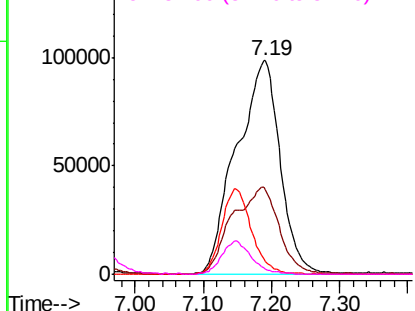
#41
Methacrylonitrile
Concen: 135.240 ug/l
RT: 7.19 min Scan# 1685
Delta R.T. 0.03 min
Lab File: VN059344.D
Acq: 21 Nov 2019 18:24

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:	41	Resp:	435987
Ion	Ratio	Lower	Upper
41	100		
39	43.8	0.0	0.0#
67	0.0	0.0	0.0
52	0.0	0.0	0.0

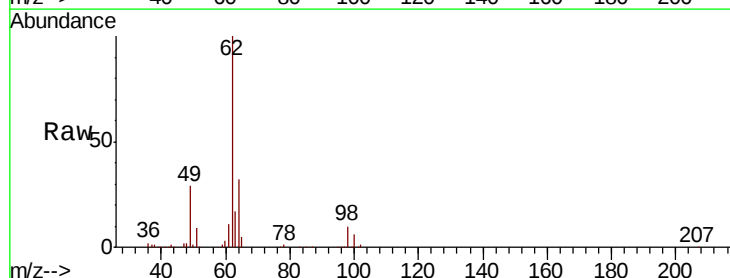


Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 39.00 (38.70 to 39.70): VNC
Ion 67.00 (66.70 to 67.70): VNC
Ion 52.00 (51.70 to 52.70): VNC

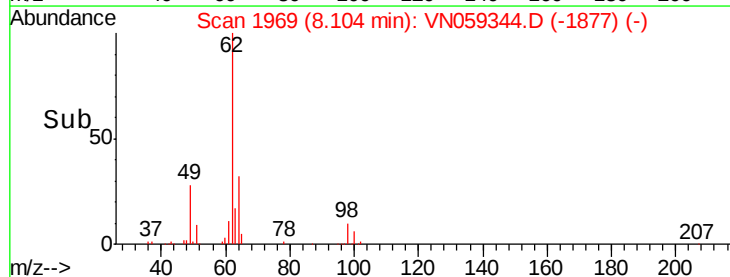
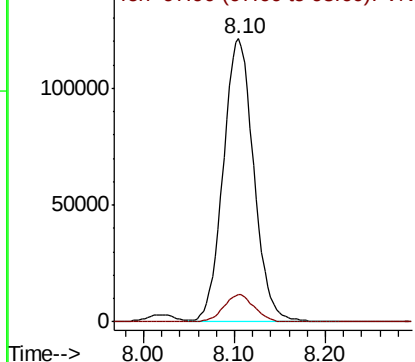


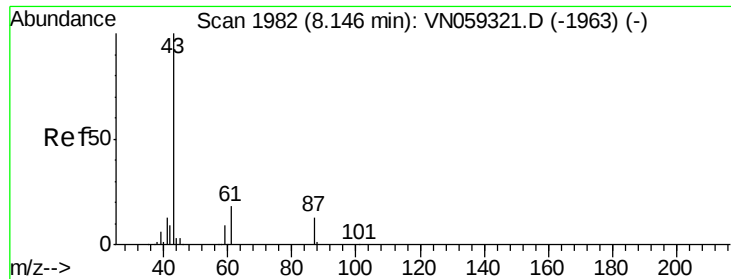
#42
1,2-Dichloroethane
Concen: 43.058 ug/l
RT: 8.10 min Scan# 1969
Delta R.T. -0.00 min
Lab File: VN059344.D
Acq: 21 Nov 2019 18:24

Tgt Ion:	62	Resp:	282417
Ion	Ratio	Lower	Upper
62	100		
98	9.5	0.0	18.6



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



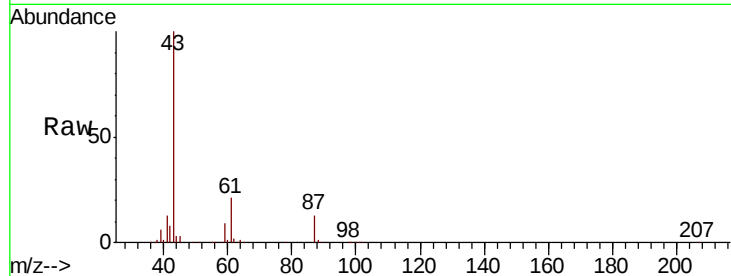


#43

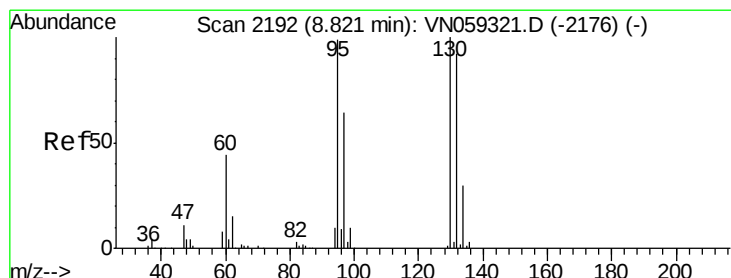
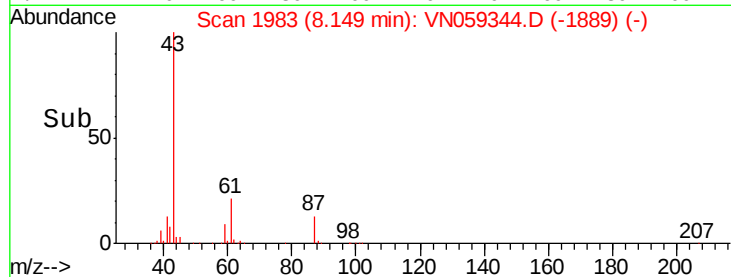
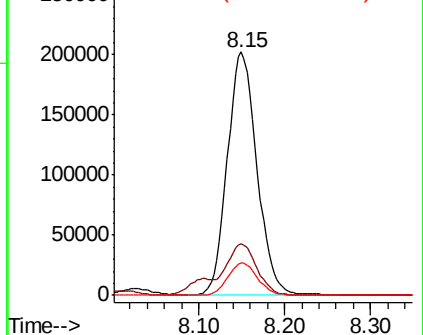
Isopropyl Acetate
 Concen: 43.333 ug/l
 RT: 8.15 min Scan# 1983
 Delta R.T. 0.00 min
 Lab File: VN059344.D
 Acq: 21 Nov 2019 18:24

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion: 43 Resp: 480924
 Ion Ratio Lower Upper
 43 100
 61 21.5 21.7 32.5#
 87 13.5 10.2 15.4



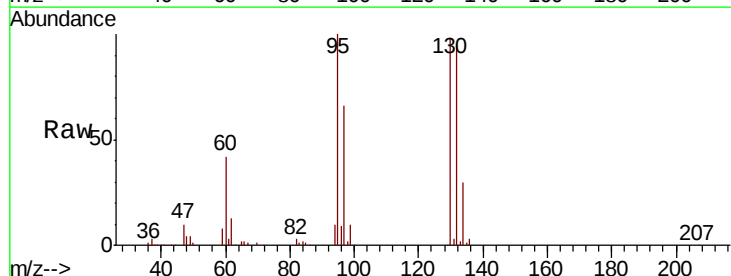
Abundance Ion 43.00 (42.70 to 43.70): VN0
 Ion 61.00 (60.70 to 61.70): VN0
 Ion 87.00 (86.70 to 87.70): VN0



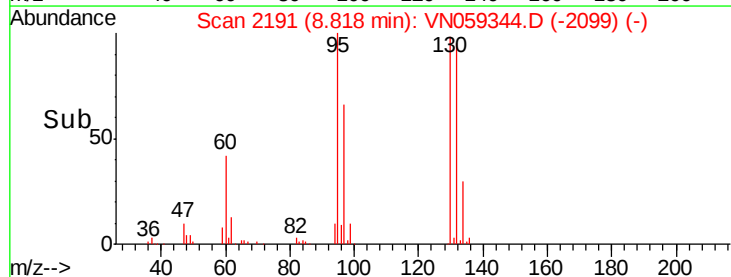
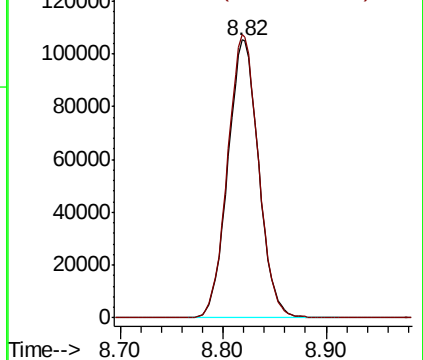
#44

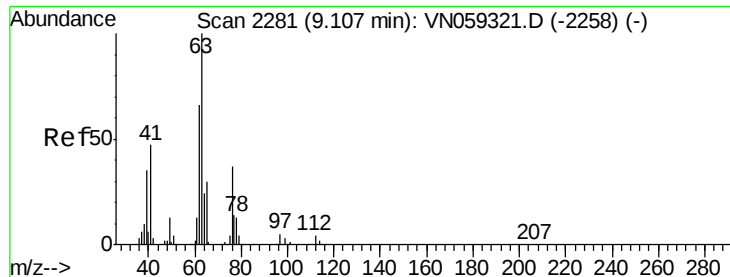
Trichloroethene
 Concen: 43.554 ug/l
 RT: 8.82 min Scan# 2191
 Delta R.T. -0.00 min
 Lab File: VN059344.D
 Acq: 21 Nov 2019 18:24

Tgt Ion:130 Resp: 218910
 Ion Ratio Lower Upper
 130 100
 95 101.9 0.0 198.4



Abundance Ion 129.80 (129.50 to 130.50): V
 Ion 94.90 (94.60 to 95.60): VN0





#45

1,2-Dichloropropane

Concen: 43.641 ug/l

RT: 9.10 min Scan# 2280

Delta R.T. -0.00 min

Lab File: VN059344.D

Acq: 21 Nov 2019 18:24

Instrument :

MSVOA_N

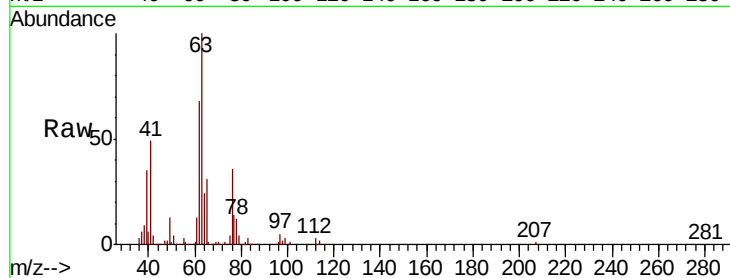
ClientSampleId :

Tot Ion: 63 Resp: 230788

Ion Ratio Lower Upper

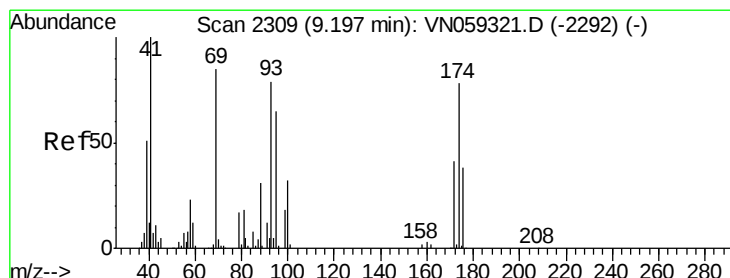
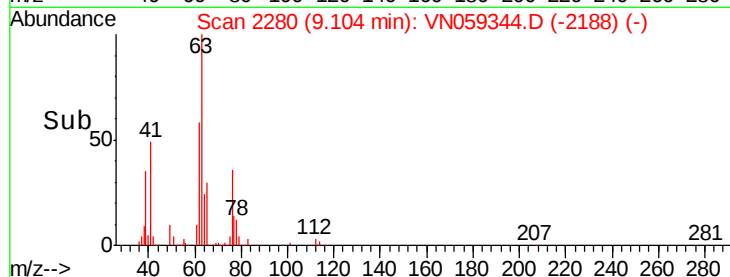
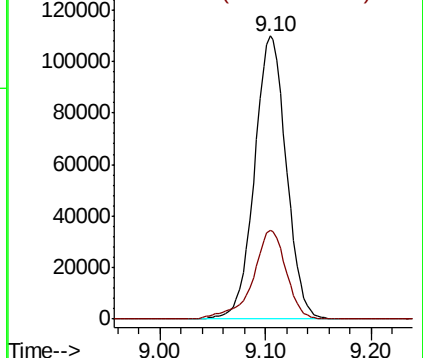
63 100

65 31.4 23.9 35.9



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 43.092 ug/l

RT: 9.19 min Scan# 2308

Delta R.T. -0.00 min

Lab File: VN059344.D

Acq: 21 Nov 2019 18:24

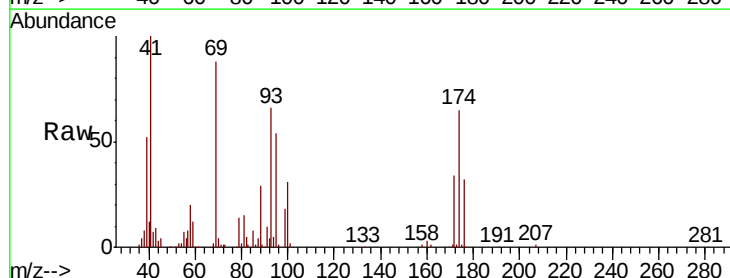
Tgt Ion: 93 Resp: 139781

Ion Ratio Lower Upper

93 100

95 82.9 66.9 100.3

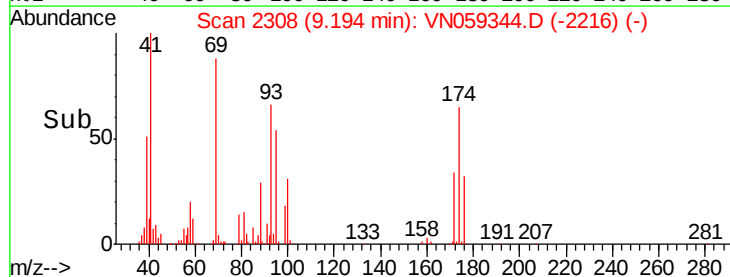
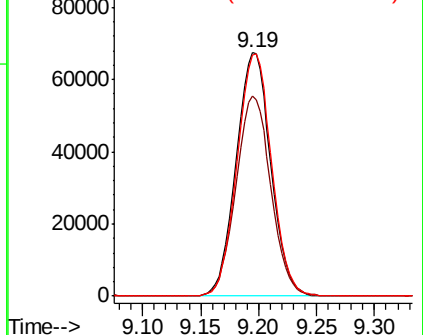
174 99.3 80.6 120.8

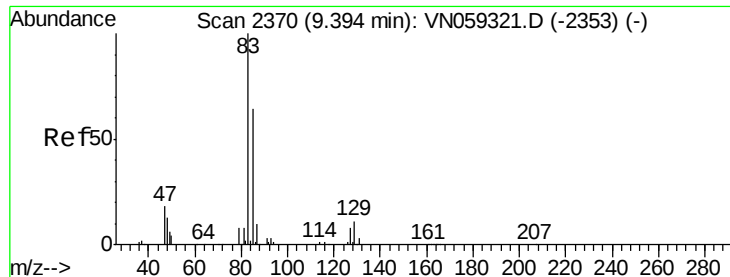


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 43.118 ug/l

RT: 9.39 min Scan# 2369

Delta R.T. -0.00 min

Lab File: VN059344.D

Acq: 21 Nov 2019 18:24

Instrument :

MSVOA_N

ClientSampleId :

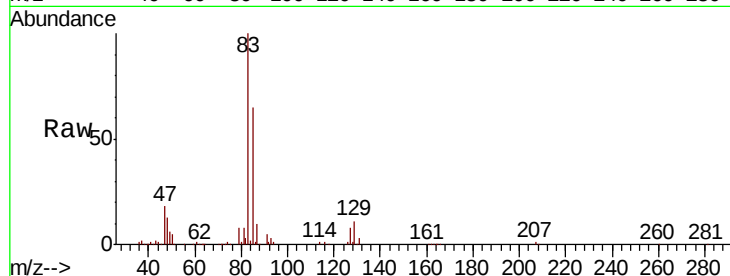
Tot Ion: 83 Resp: 280112

Ion Ratio Lower Upper

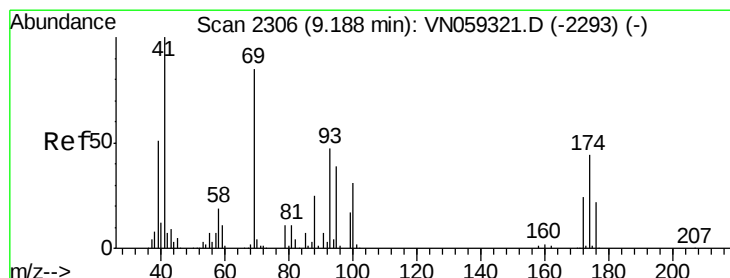
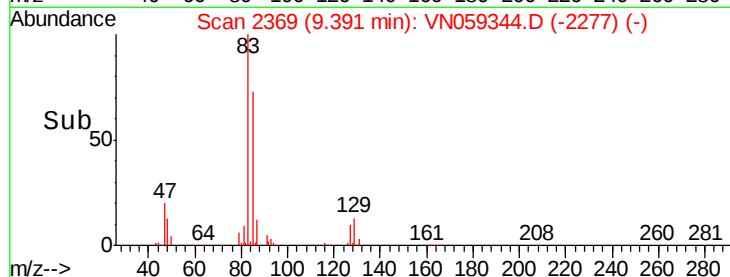
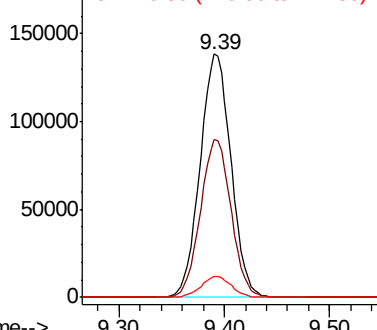
83 100

85 64.8 51.5 77.3

127 8.4 6.6 10.0



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



#48

Methyl methacrylate

Concen: 42.940 ug/l

RT: 9.19 min Scan# 2307

Delta R.T. 0.00 min

Lab File: VN059344.D

Acq: 21 Nov 2019 18:24

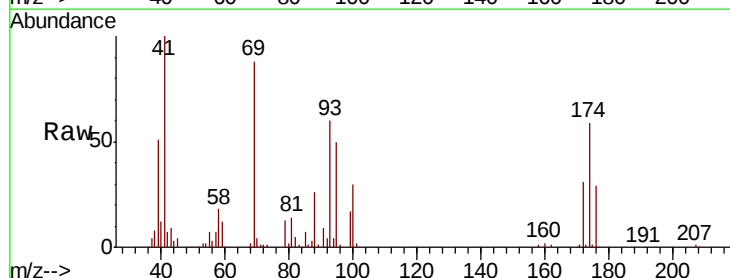
Tgt Ion: 41 Resp: 216716

Ion Ratio Lower Upper

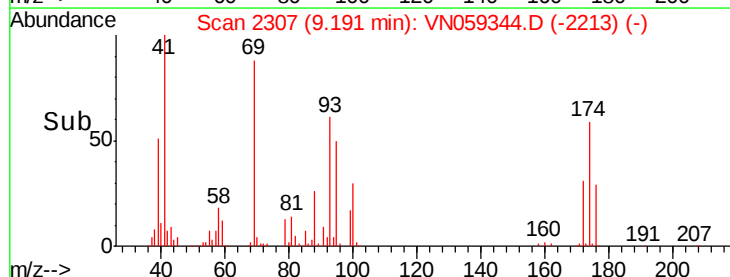
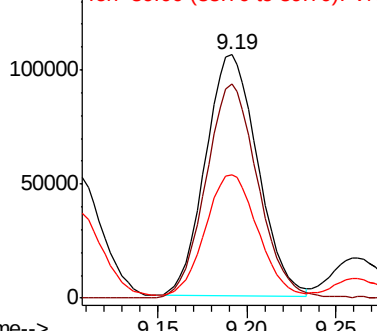
41 100

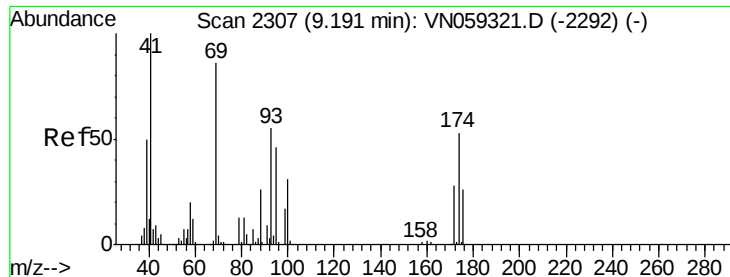
69 88.8 68.8 103.2

39 51.8 42.1 63.1



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

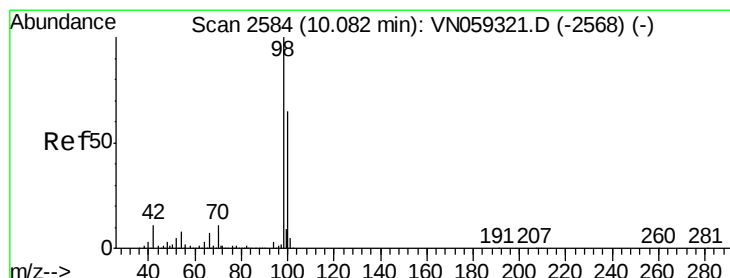
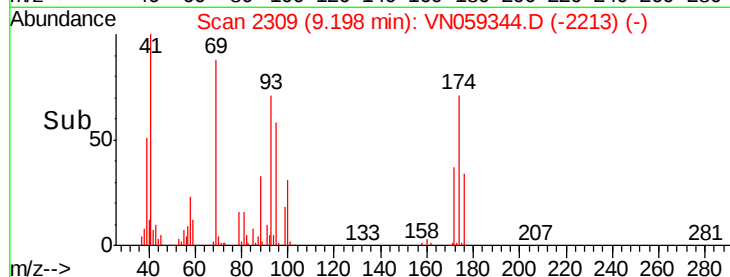
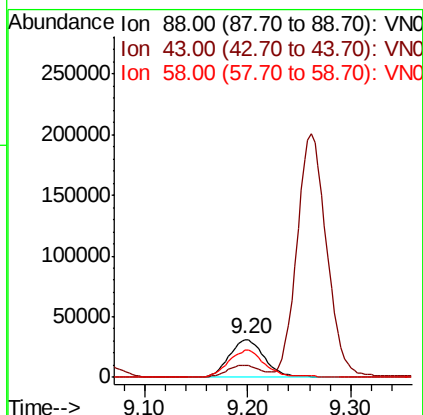
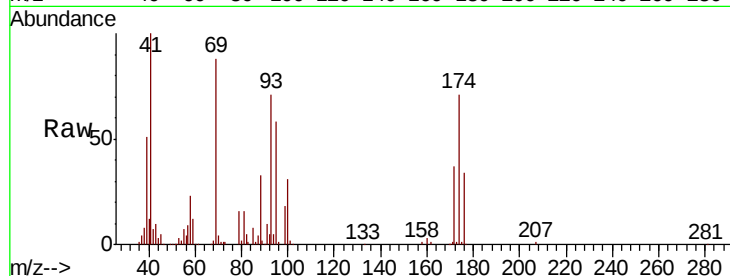




#49
1,4-Dioxane
Concen: 989.968 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. 0.01 min
Lab File: VN059344.D
Acq: 21 Nov 2019 18:24

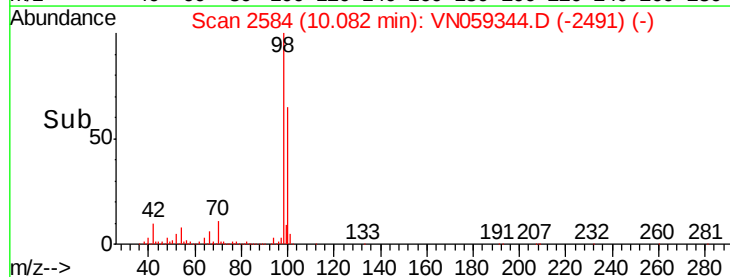
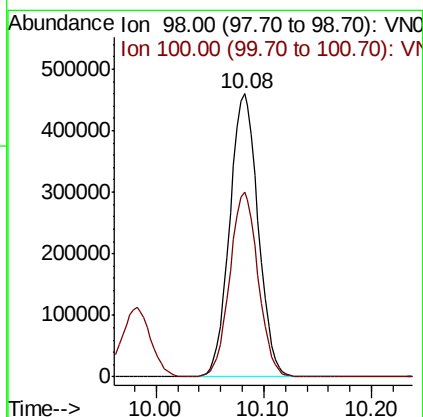
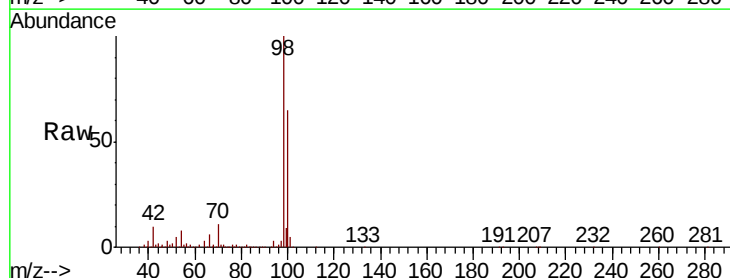
Instrument :
MSVOA_N
ClientSampled :

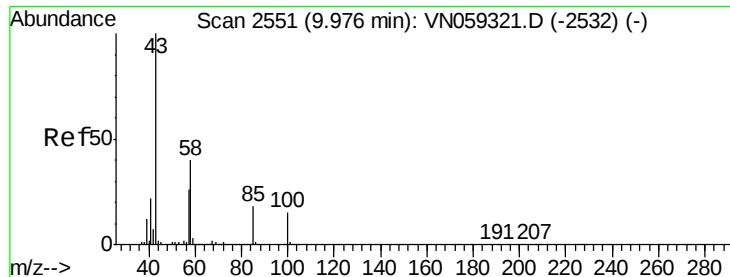
Tot Ion: 88 Resp: 75091
Ion Ratio Lower Upper
88 100
43 29.2 26.9 40.3
58 71.6 59.2 88.8



#50
Toluene-d8
Concen: 53.864 ug/l
RT: 10.08 min Scan# 2584
Delta R.T. 0.00 min
Lab File: VN059344.D
Acq: 21 Nov 2019 18:24

Tgt Ion: 98 Resp: 840862
Ion Ratio Lower Upper
98 100
100 64.7 51.7 77.5





#51

4-Methyl-2-Pentanone

Concen: 218.404 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. 0.01 min

Lab File: VN059344.D

Acq: 21 Nov 2019 18:24

Instrument :

MSVOA_N

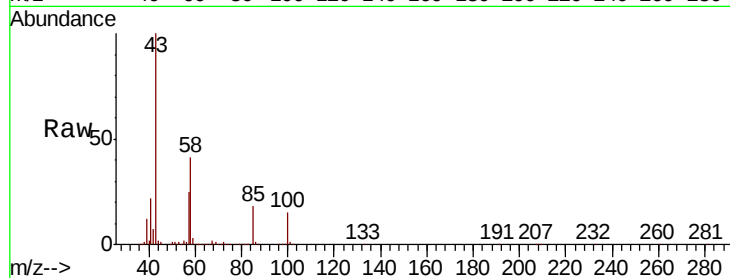
ClientSampled :

Tot Ion: 43 Resp: 1418788

Ion Ratio Lower Upper

43 100

58 40.6 31.8 47.8



Abundance Ion 43.00 (42.70 to 43.70): VN059321.D (-2532) (-)

Ion 58.00 (57.70 to 58.70): VN059321.D (-2532) (-)

9.98

800000

600000

400000

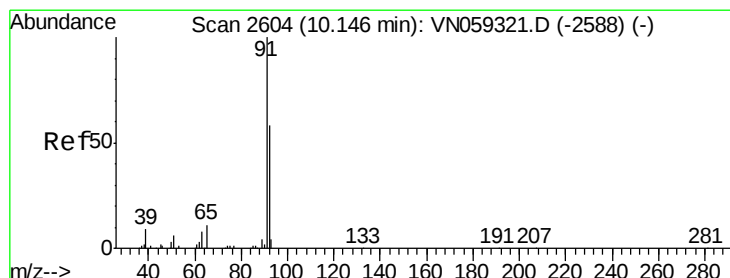
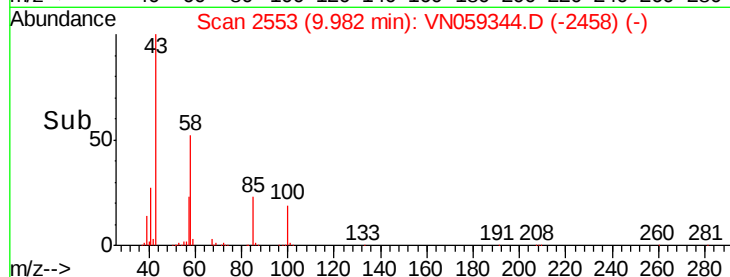
200000

0

Time-->

9.90

10.00



#52

Toluene

Concen: 44.372 ug/l

RT: 10.15 min Scan# 2604

Delta R.T. 0.00 min

Lab File: VN059344.D

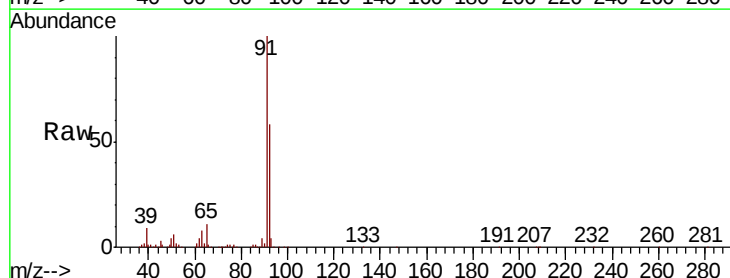
Acq: 21 Nov 2019 18:24

Tgt Ion: 92 Resp: 529125

Ion Ratio Lower Upper

92 100

91 172.2 137.9 206.9



Abundance Ion 92.00 (91.70 to 92.70): VN059321.D (-2588) (-)

Ion 91.00 (90.70 to 91.70): VN059321.D (-2588) (-)

10.15

500000

400000

300000

200000

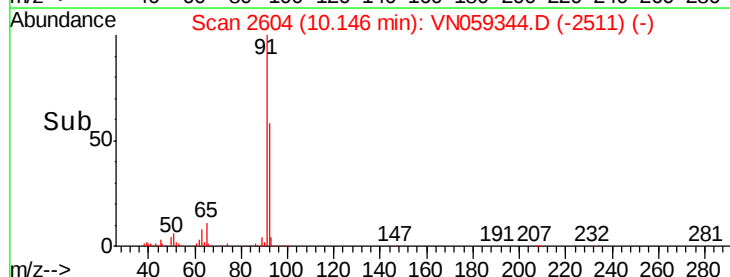
100000

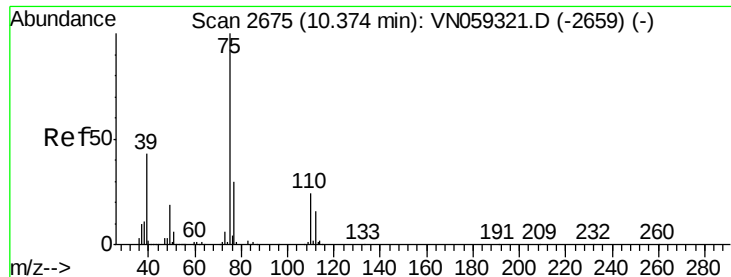
0

Time-->

10.10

10.20





#53

t-1,3-Dichloropropene

Concen: 44.260 ug/l

RT: 10.37 min Scan# 2675

Delta R.T. 0.00 min

Lab File: VN059344.D

Acq: 21 Nov 2019 18:24

Instrument :

MSVOA_N

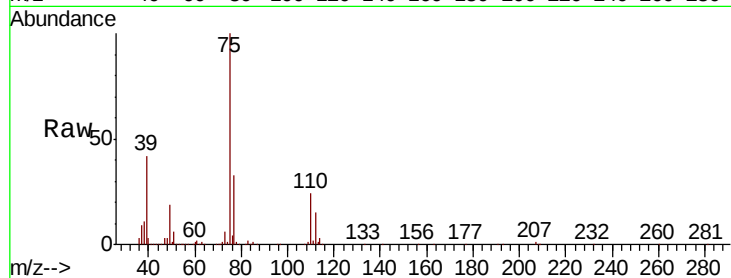
ClientSampleId :

Tot Ion: 75 Resp: 334241

Ion Ratio Lower Upper

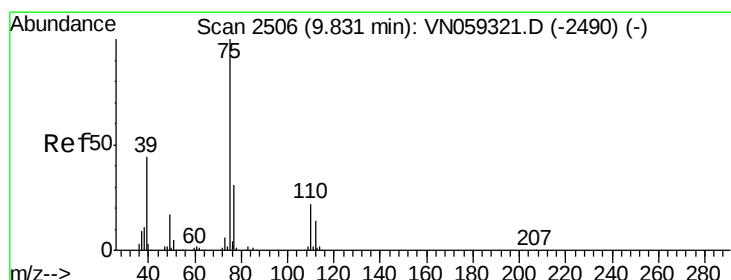
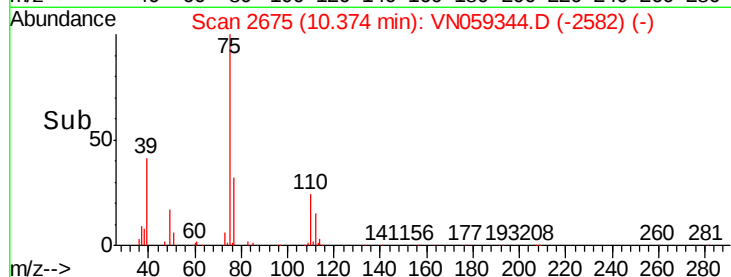
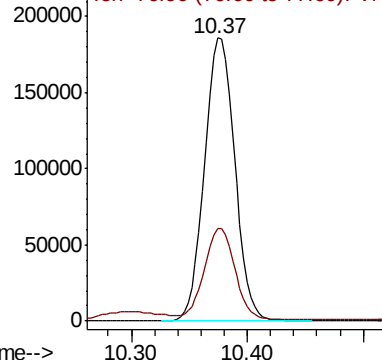
75 100

77 32.2 25.5 38.3



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 76.90 (76.60 to 77.60): VNO



#54

cis-1,3-Dichloropropene

Concen: 44.945 ug/l

RT: 9.83 min Scan# 2506

Delta R.T. 0.00 min

Lab File: VN059344.D

Acq: 21 Nov 2019 18:24

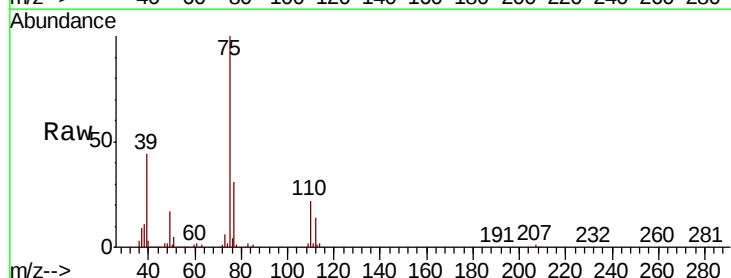
Tgt Ion: 75 Resp: 368308

Ion Ratio Lower Upper

75 100

77 31.2 25.0 37.4

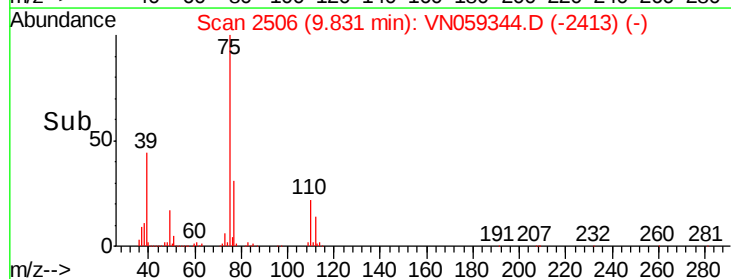
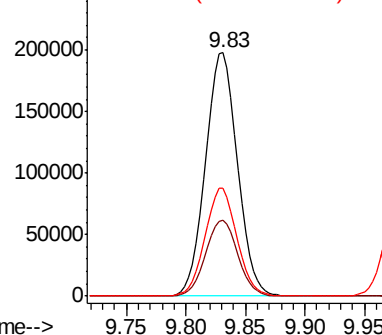
39 43.9 35.5 53.3

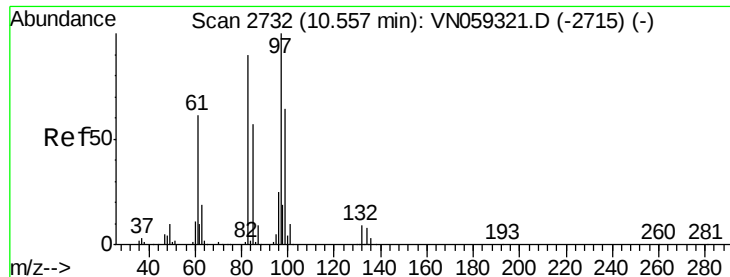


Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 76.90 (76.60 to 77.60): VNO

Ion 39.00 (38.70 to 39.70): VNO

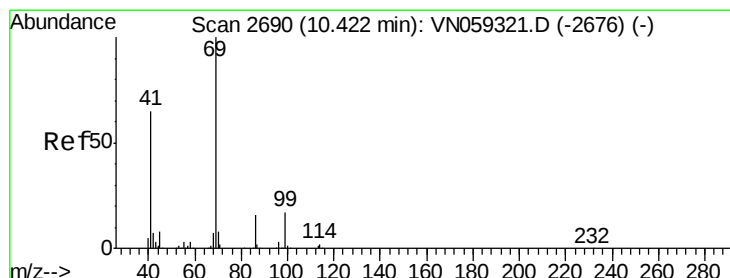
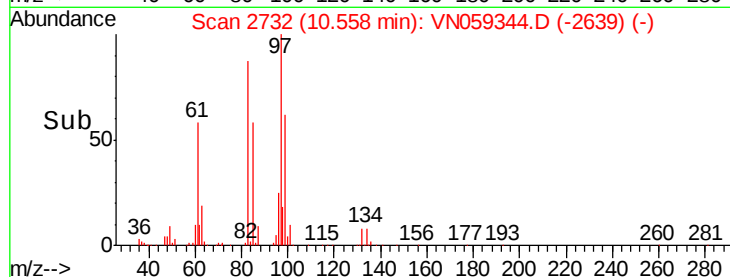
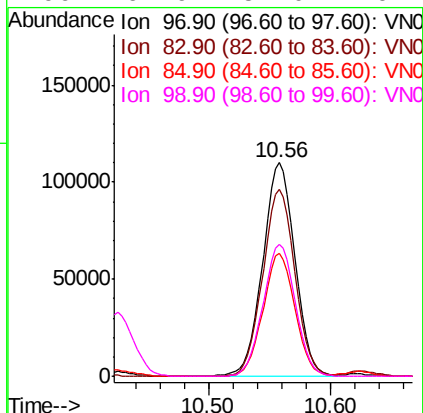
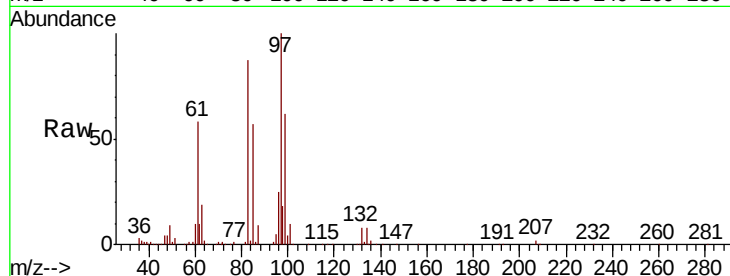




#55
 1,1,2-Trichloroethane
 Concen: 43.706 ug/l
 RT: 10.56 min Scan# 2732
 Delta R.T. 0.00 min
 Lab File: VN059344.D
 Acq: 21 Nov 2019 18:24

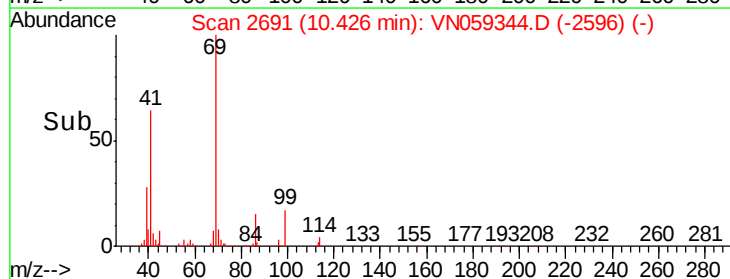
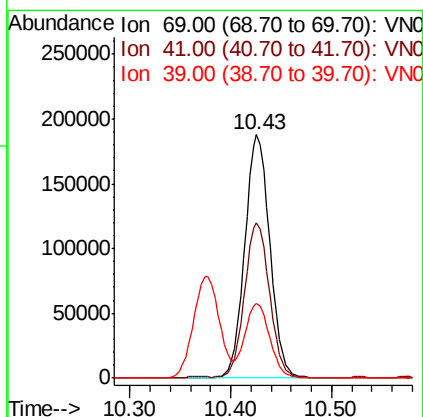
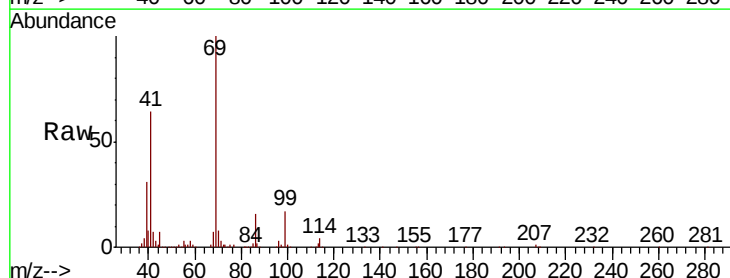
Instrument :
 MSVOA_N
 ClientSampleId :

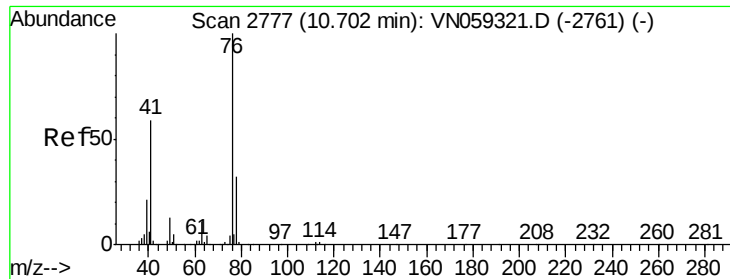
Tot Ion:	97	Resp:	202641
Ion	Ratio	Lower	Upper
97	100		
83	87.4	72.0	108.0
85	57.5	45.8	68.6
99	61.9	51.0	76.4



#56
 Ethyl methacrylate
 Concen: 41.476 ug/l
 RT: 10.43 min Scan# 2691
 Delta R.T. 0.00 min
 Lab File: VN059344.D
 Acq: 21 Nov 2019 18:24

Tgt Ion:	69	Resp:	321720
Ion	Ratio	Lower	Upper
69	100		
41	62.9	51.7	77.5
39	30.1	25.2	37.8





#57

1,3-Dichloropropane

Concen: 43.612 ug/l

RT: 10.70 min Scan# 2777

Delta R.T. 0.00 min

Lab File: VN059344.D

Acq: 21 Nov 2019 18:24

Instrument :

MSVOA_N

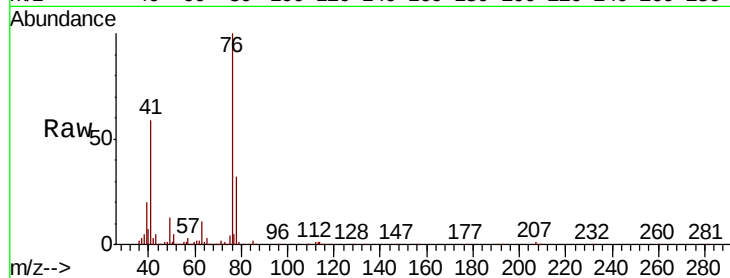
ClientSampled :

Tot Ion: 76 Resp: 352429

Ion Ratio Lower Upper

76 100

78 32.5 26.0 39.0



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

10.70

200000

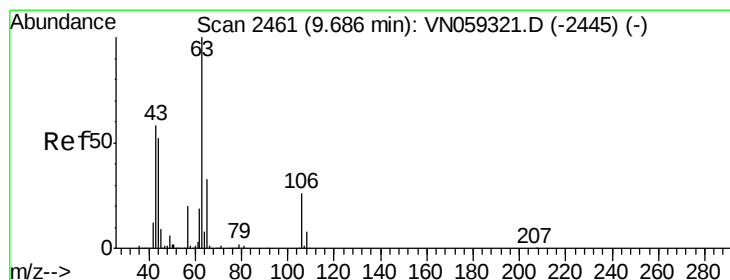
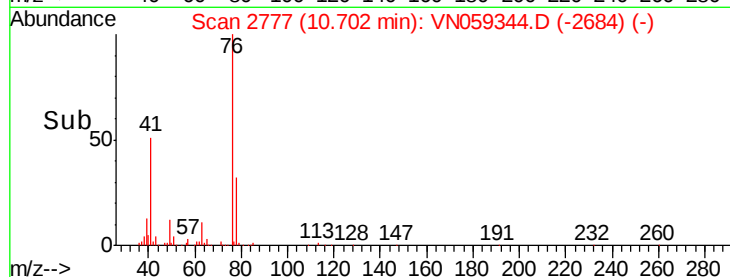
150000

100000

50000

0

Time--> 10.60 10.70 10.80



#58

2-Chloroethyl Vinyl ether

Concen: 221.648 ug/l

RT: 9.69 min Scan# 2461

Delta R.T. 0.00 min

Lab File: VN059344.D

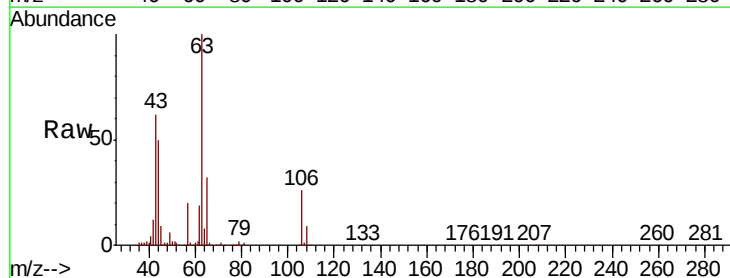
Acq: 21 Nov 2019 18:24

Tgt Ion: 63 Resp: 628890

Ion Ratio Lower Upper

63 100

106 25.8 20.5 30.7



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

9.69

400000

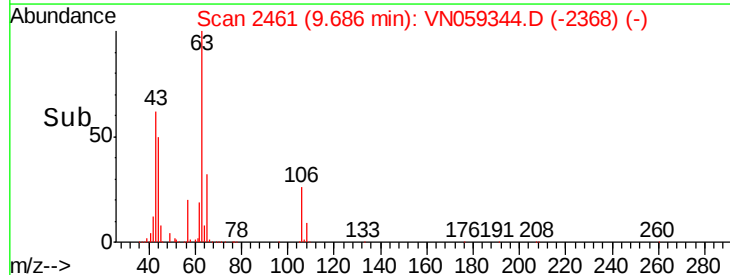
300000

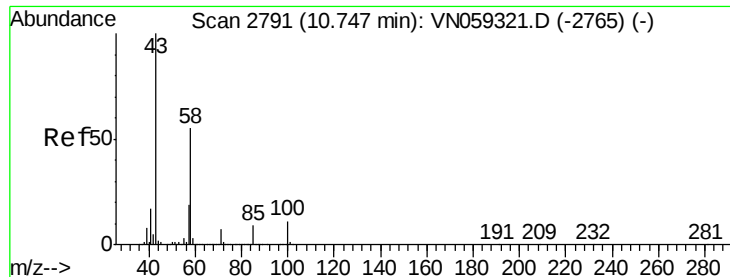
200000

100000

0

Time--> 9.60 9.70 9.80

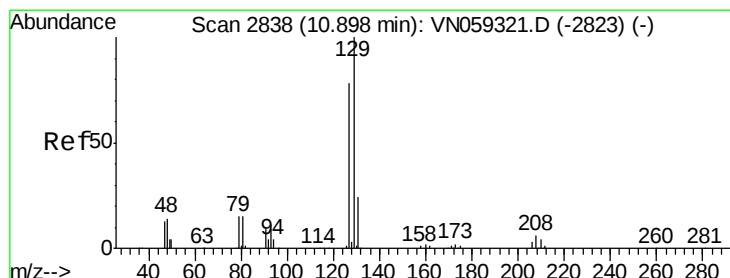
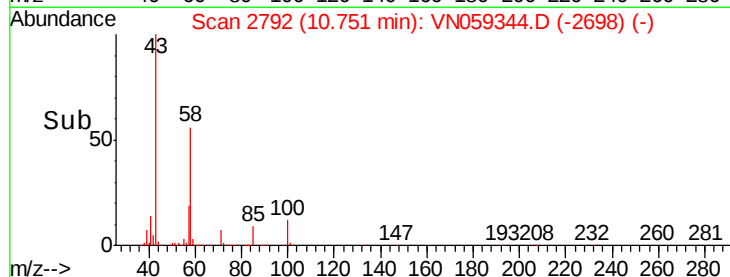
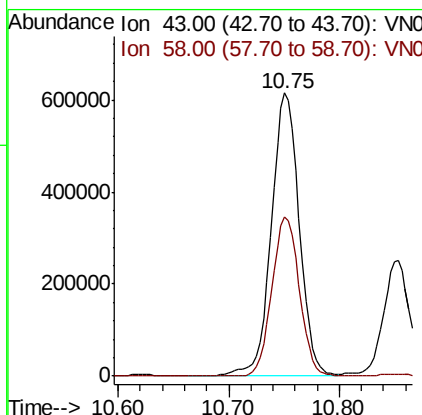
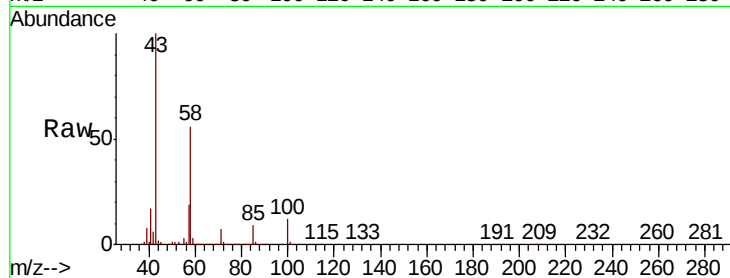




#59
2-Hexanone
Concen: 226.134 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN059344.D
Acq: 21 Nov 2019 18:24

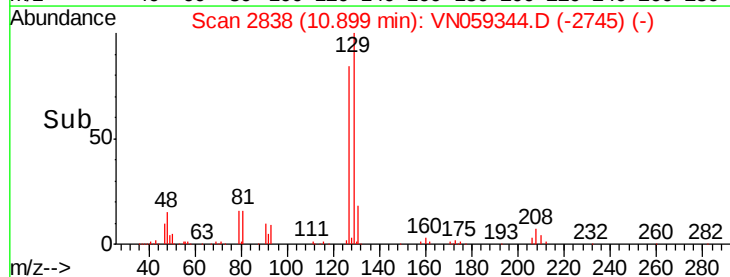
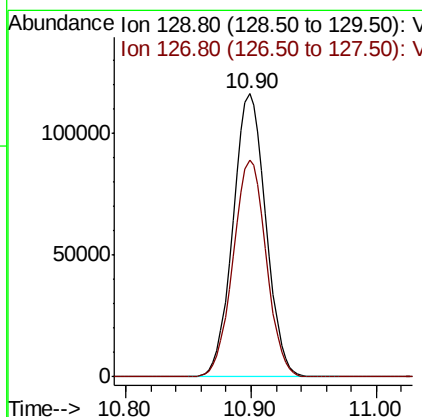
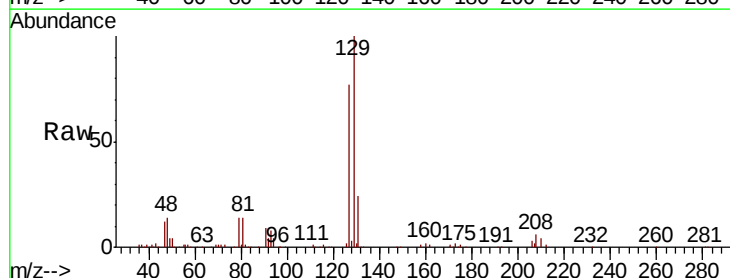
Instrument :
MSVOA_N
ClientSampled :

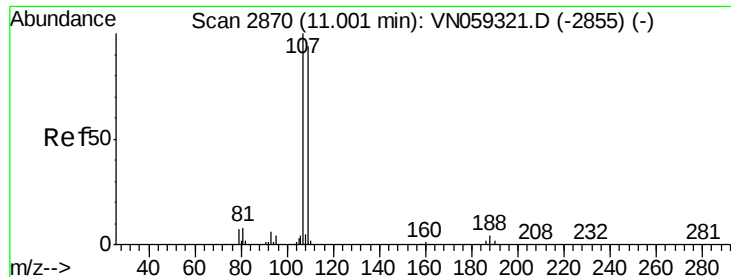
Tot Ion: 43 Resp: 1075670
Ion Ratio Lower Upper
43 100
58 55.5 27.7 83.0



#60
Dibromochloromethane
Concen: 43.193 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. 0.00 min
Lab File: VN059344.D
Acq: 21 Nov 2019 18:24

Tgt Ion: 129 Resp: 211029
Ion Ratio Lower Upper
129 100
127 77.2 38.5 115.5

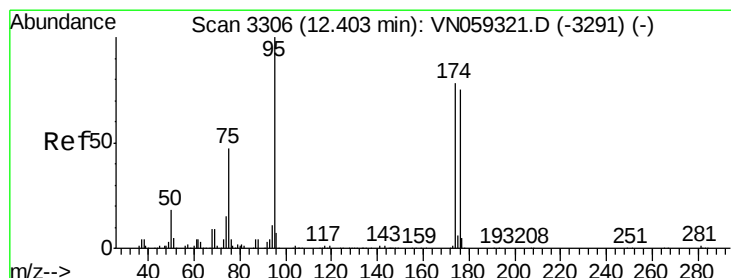
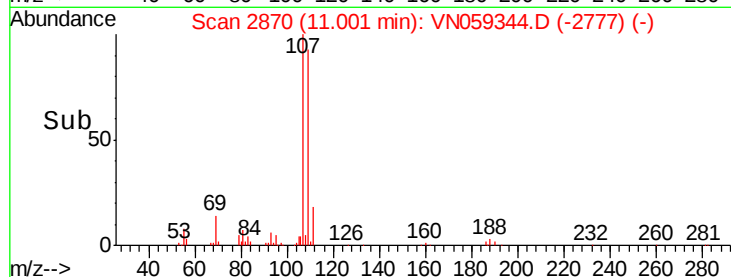
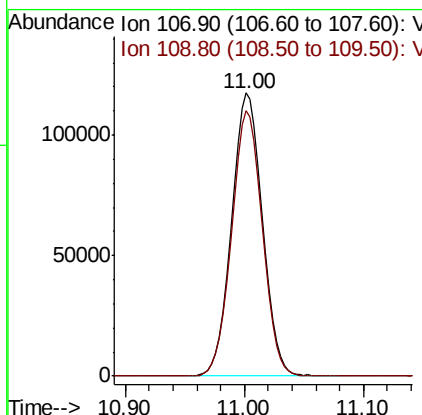
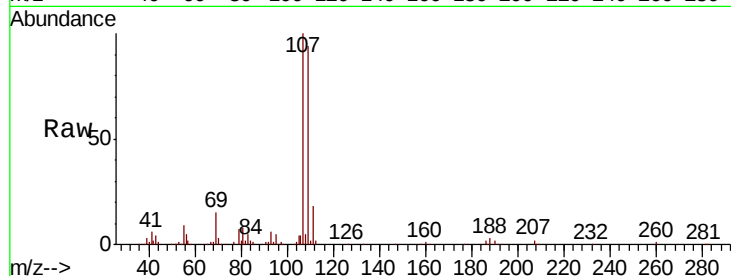




#61
 1,2-Dibromoethane
 Concen: 43.594 ug/l
 RT: 11.00 min Scan# 2870
 Delta R.T. 0.00 min
 Lab File: VN059344.D
 Acq: 21 Nov 2019 18:24

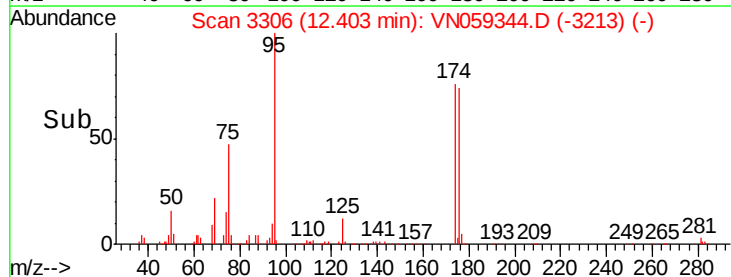
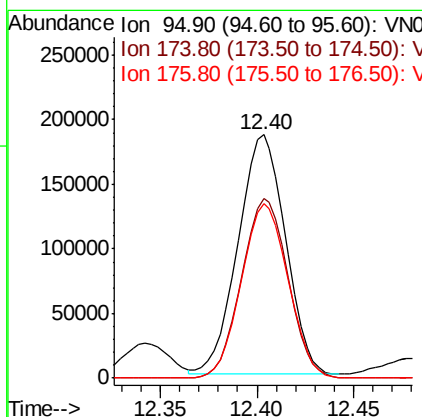
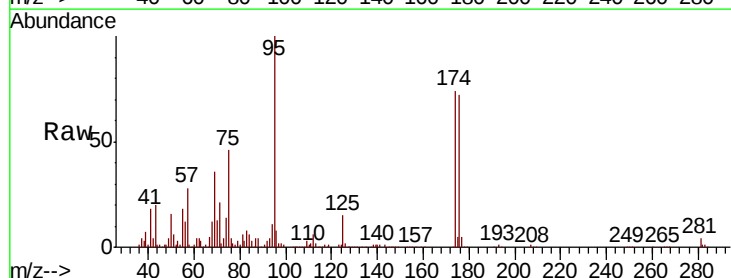
Instrument :
 MSVOA_N
 ClientSampleId :

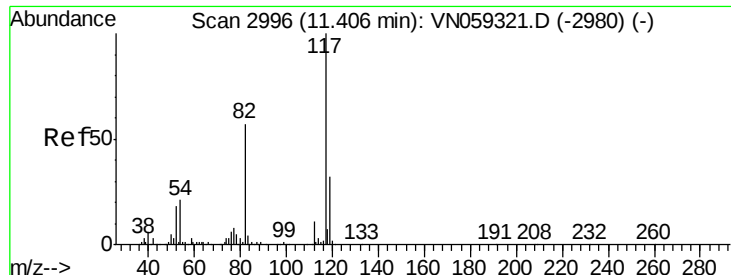
Tot Ion: 107 Resp: 210309
 Ion Ratio Lower Upper
 107 100
 109 93.6 75.4 113.2



#62
 4-Bromofluorobenzene
 Concen: 58.143 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN059344.D
 Acq: 21 Nov 2019 18:24

Tgt Ion: 95 Resp: 317371
 Ion Ratio Lower Upper
 95 100
 174 73.4 0.0 157.4
 176 71.6 0.0 151.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN059344.D

Acq: 21 Nov 2019 18:24

Instrument :

MSVOA_N

ClientSampled :

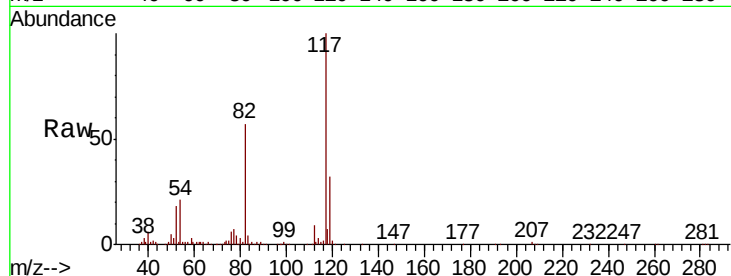
Tot Ion:117 Resp: 576742

Ion Ratio Lower Upper

117 100

82 56.8 45.7 68.5

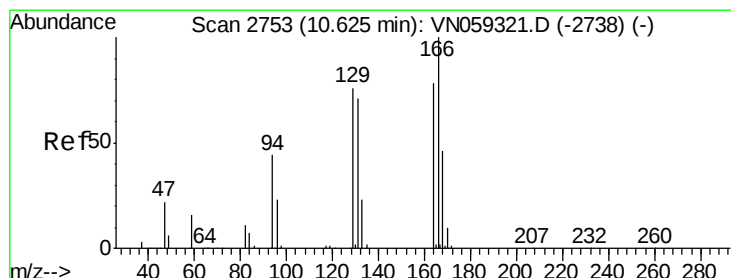
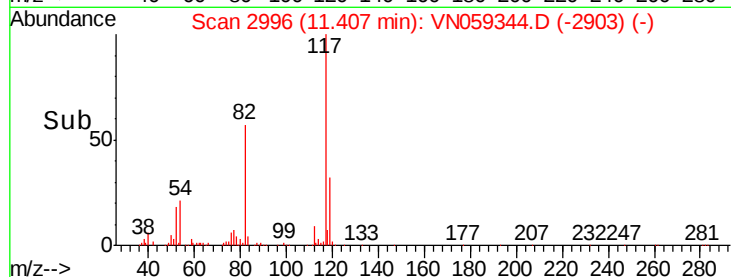
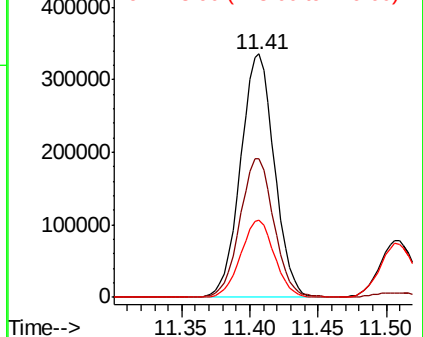
119 31.8 25.8 38.6



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: 42.395 ug/l

RT: 10.63 min Scan# 2753

Delta R.T. 0.00 min

Lab File: VN059344.D

Acq: 21 Nov 2019 18:24

Tgt Ion:164 Resp: 189106

Ion Ratio Lower Upper

164 100

166 125.2 102.9 154.3

129 96.0 78.2 117.2

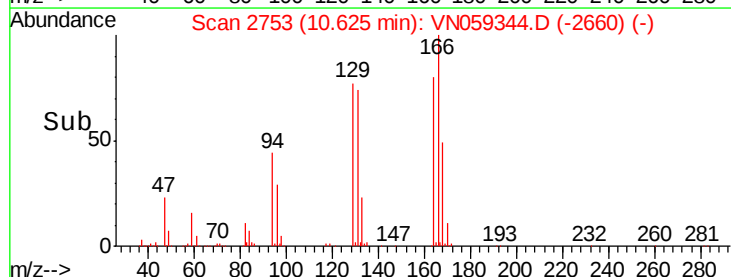
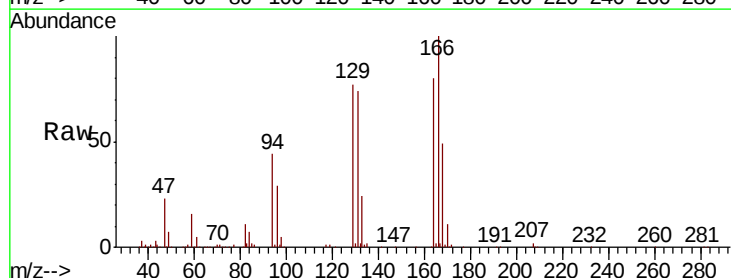
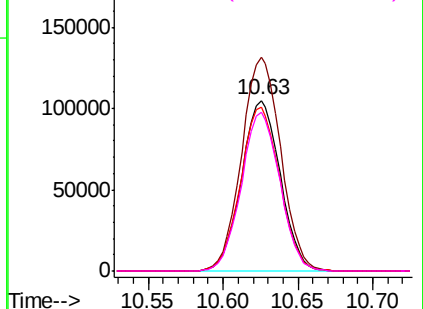
131 92.9 72.6 109.0

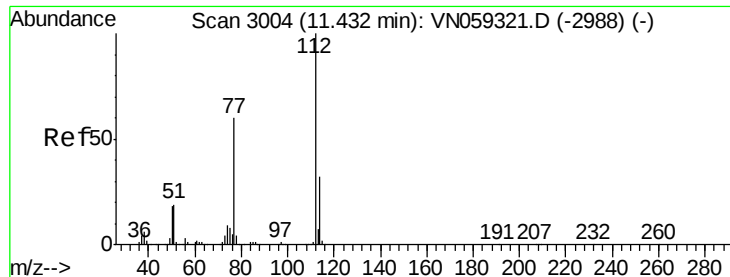
Abundance Ion 163.80 (163.50 to 164.50): V

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

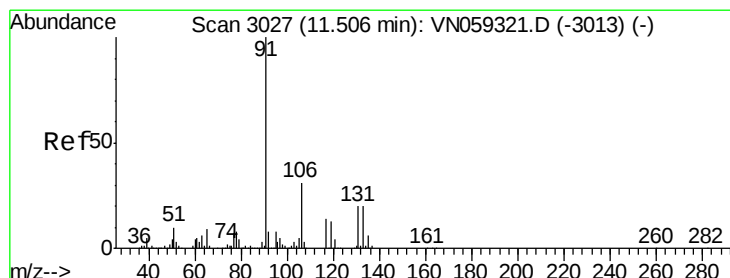
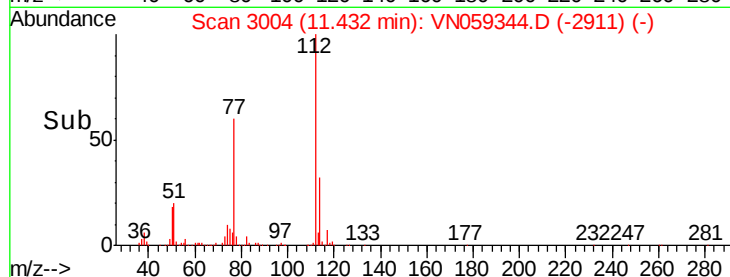
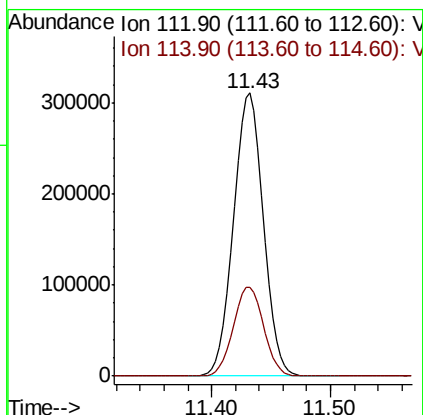
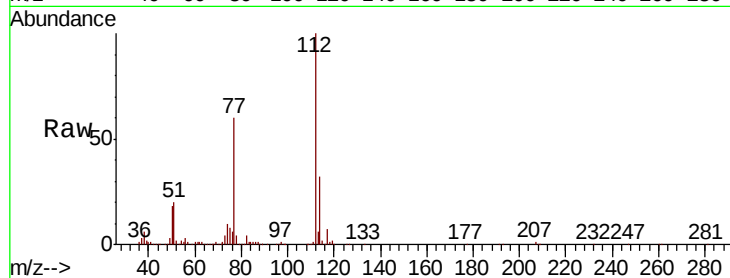




#65
Chlorobenzene
Concen: 43.563 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN059344.D
Acq: 21 Nov 2019 18:24

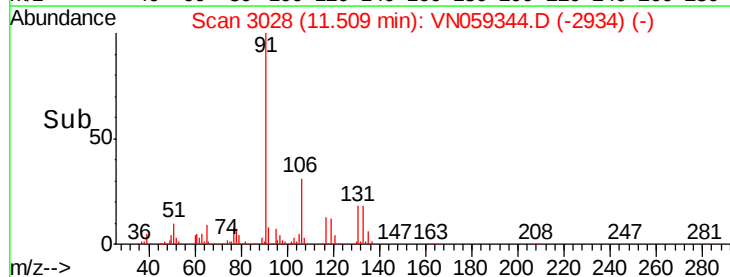
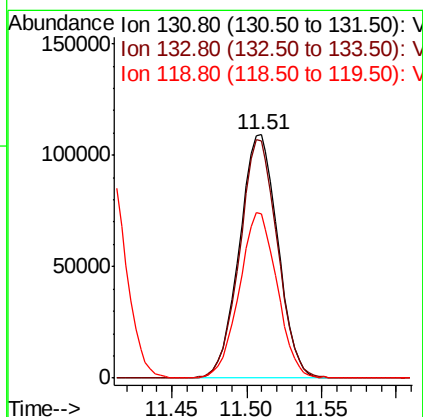
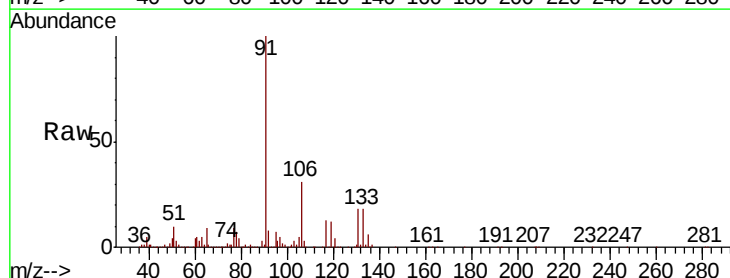
Instrument :
MSVOA_N
ClientSampleId :

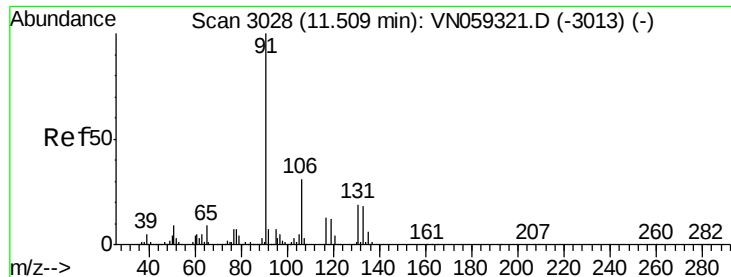
Tot Ion:112 Resp: 540234
Ion Ratio Lower Upper
112 100
114 31.6 25.8 38.6



#66
1,1,1,2-Tetrachloroethane
Concen: 43.316 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN059344.D
Acq: 21 Nov 2019 18:24

Tgt Ion:131 Resp: 195144
Ion Ratio Lower Upper
131 100
133 95.6 48.2 144.6
119 67.0 33.6 100.6

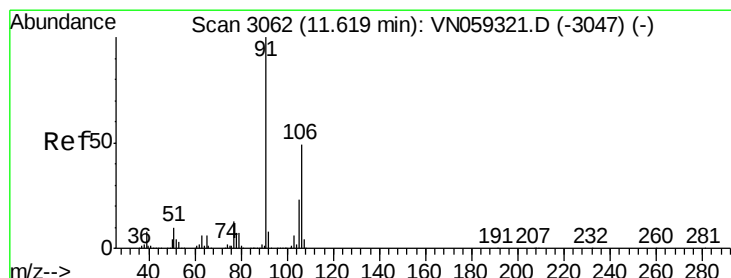
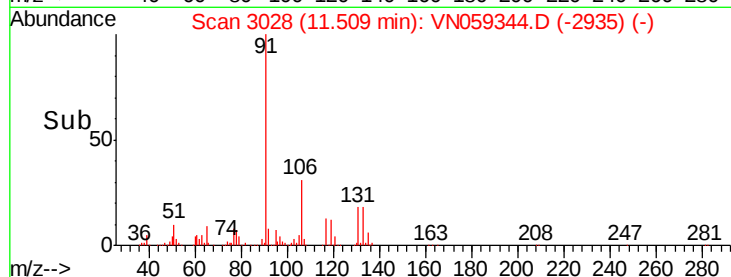
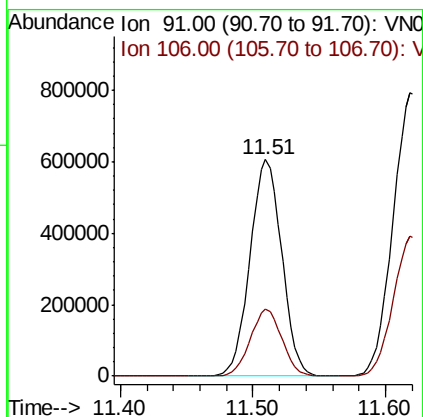
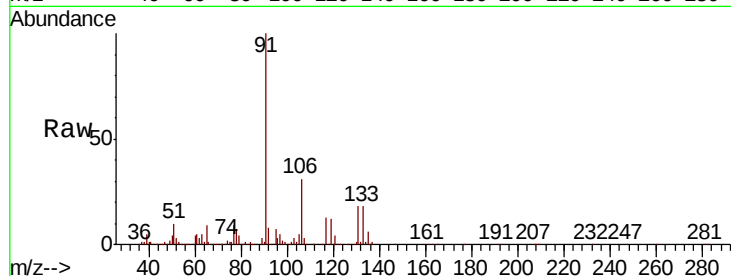




#67
Ethyl Benzene
Concen: 45.638 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN059344.D
Acq: 21 Nov 2019 18:24

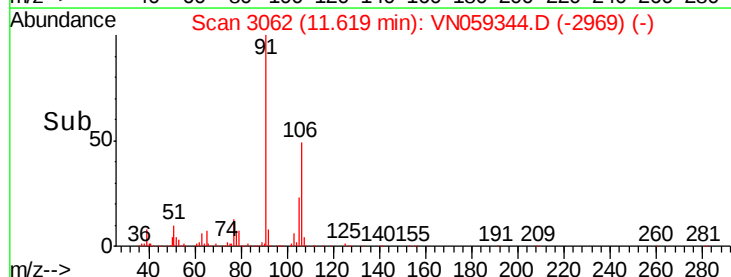
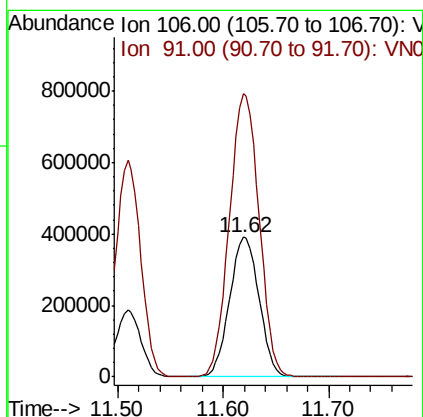
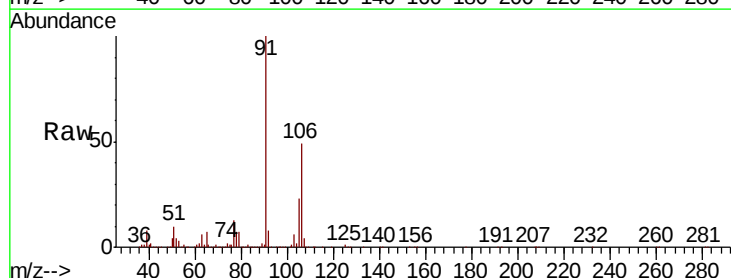
Instrument :
MSVOA_N
ClientSampled :

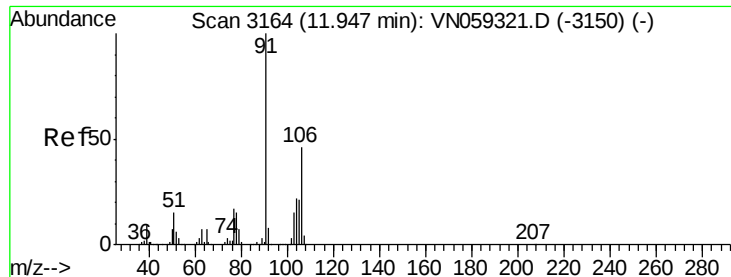
Tot Ion: 91 Resp: 1010533
Ion Ratio Lower Upper
91 100
106 30.7 24.6 37.0



#68
m/p-Xylenes
Concen: 91.620 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN059344.D
Acq: 21 Nov 2019 18:24

Tgt Ion: 106 Resp: 753821
Ion Ratio Lower Upper
106 100
91 204.8 163.2 244.8

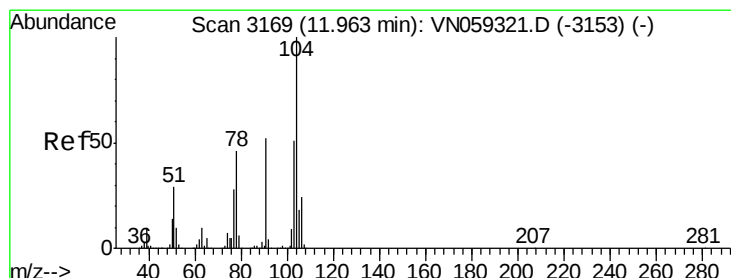
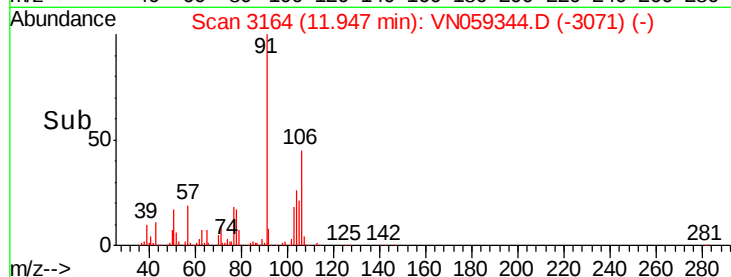
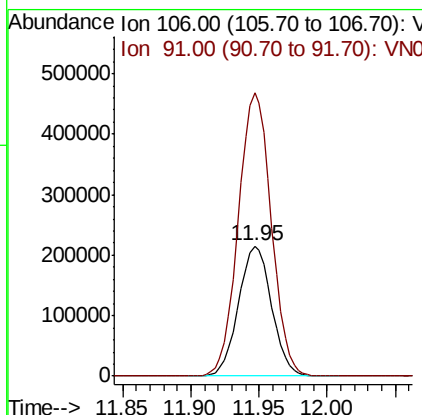
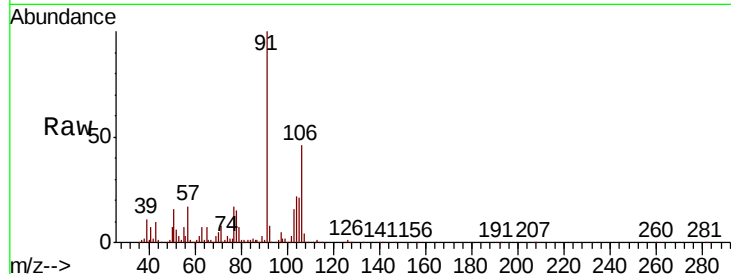




#69
o-Xylene
Concen: 46.016 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN059344.D
Acq: 21 Nov 2019 18:24

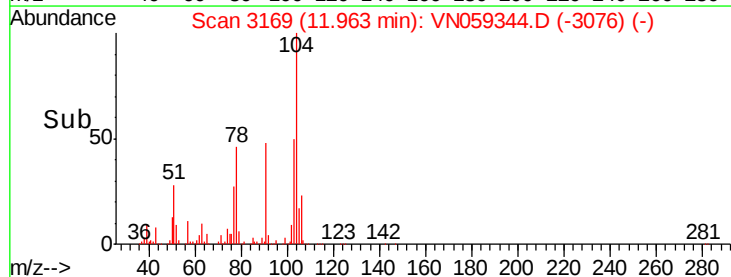
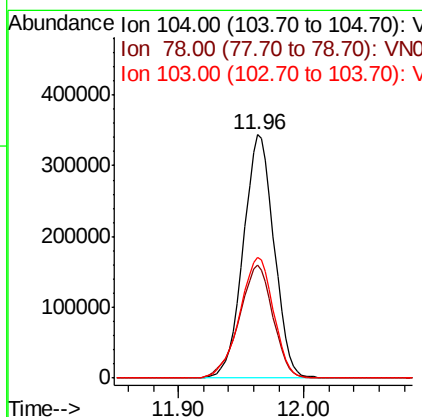
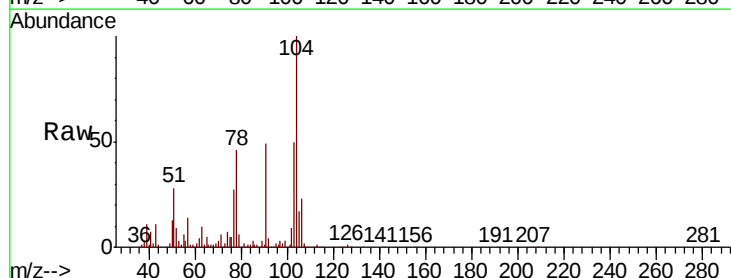
Instrument :
MSVOA_N
ClientSampleId :

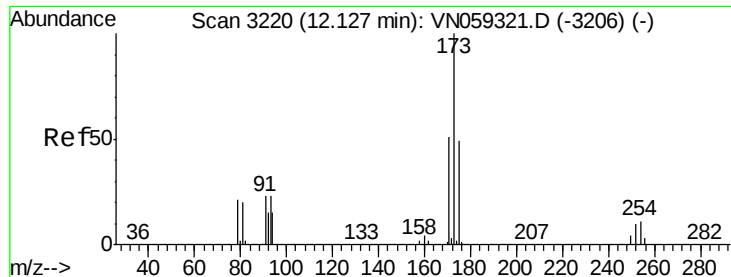
Tot Ion:106 Resp: 362455
Ion Ratio Lower Upper
106 100
91 216.8 109.3 327.9



#70
Styrene
Concen: 47.175 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN059344.D
Acq: 21 Nov 2019 18:24

Tgt Ion:104 Resp: 586329
Ion Ratio Lower Upper
104 100
78 51.1 40.3 60.5
103 54.7 43.6 65.4





#71

Bromoform

Concen: 44.050 ug/l

RT: 12.13 min Scan# 3221

Delta R.T. 0.00 min

Lab File: VN059344.D

Acq: 21 Nov 2019 18:24

Instrument :

MSVOA_N

ClientSampleId :

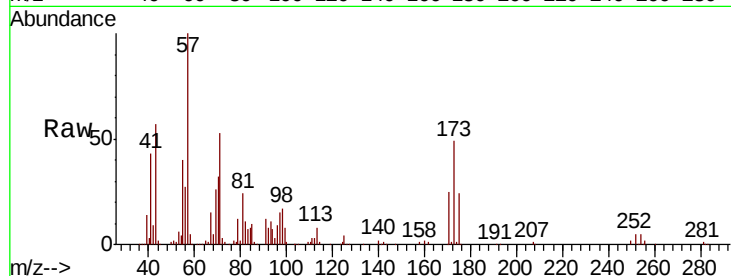
Tot Ion:173 Resp: 150295

Ion Ratio Lower Upper

173 100

175 48.6 24.6 73.6

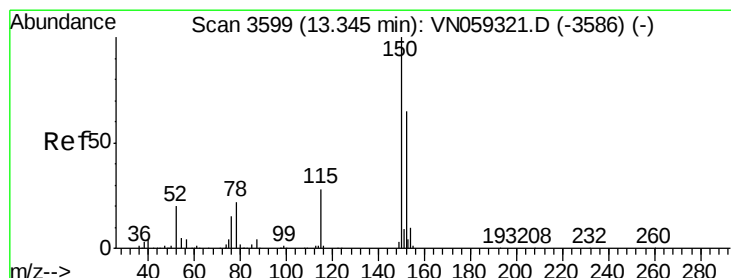
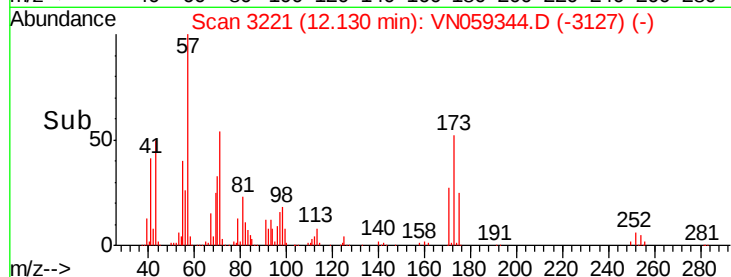
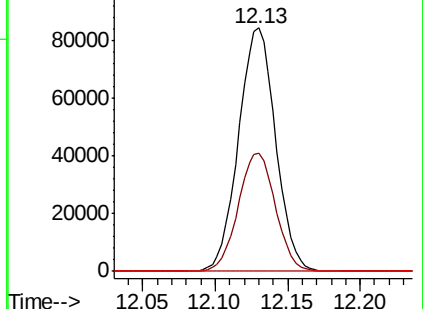
254 0.1 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN059344.D

Acq: 21 Nov 2019 18:24

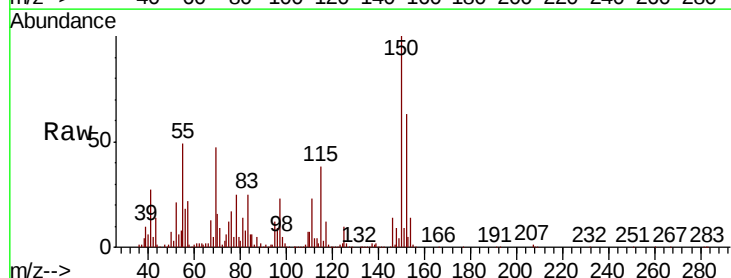
Tgt Ion:152 Resp: 295454

Ion Ratio Lower Upper

152 100

115 56.1 29.3 88.0

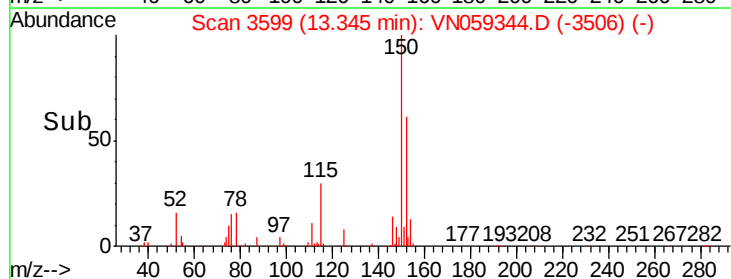
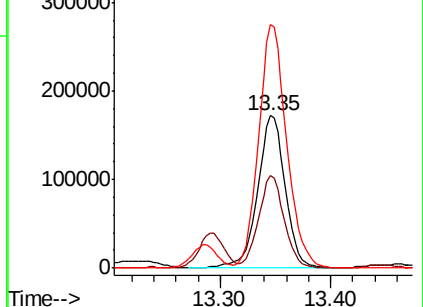
150 163.0 0.0 346.0

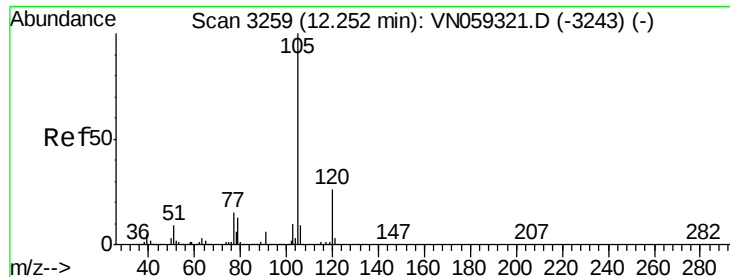


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 40.505 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN059344.D

Acq: 21 Nov 2019 18:24

Instrument :

MSVOA_N

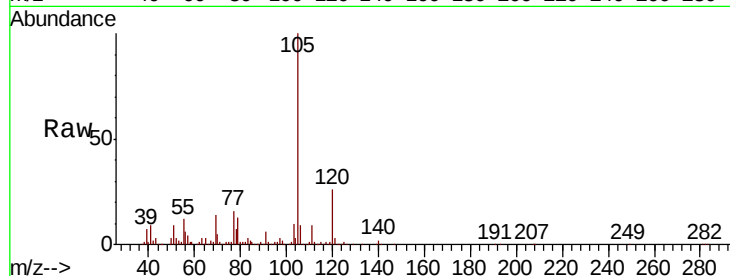
ClientSampled :

Tot Ion:105 Resp: 980357

Ion Ratio Lower Upper

105 100

120 26.2 13.1 39.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.25

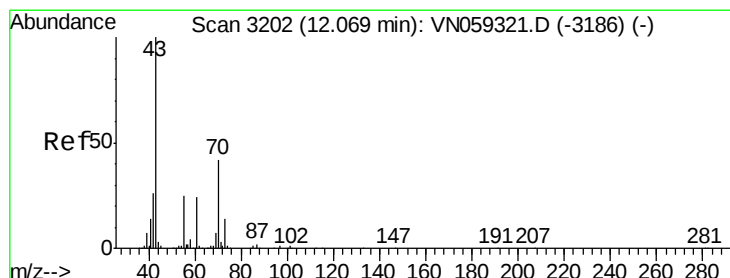
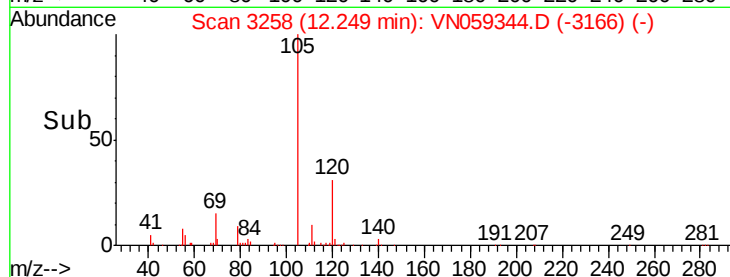
600000

400000

200000

0

Time-->



#74

N-ethyl acetate

Concen: 47.323 ug/l

RT: 12.05 min Scan# 3195

Delta R.T. -0.02 min

Lab File: VN059344.D

Acq: 21 Nov 2019 18:24

Tgt Ion: 43 Resp: 460306

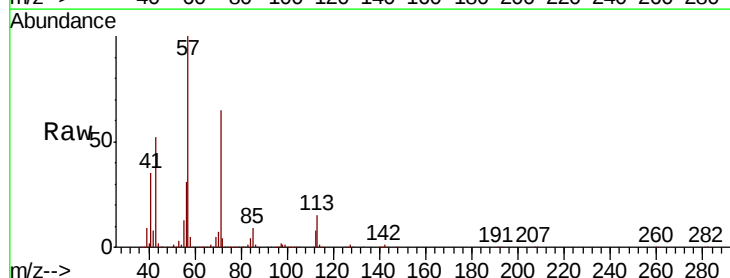
Ion Ratio Lower Upper

43 100

70 0.0 33.8 50.6#

55 15.1 20.3 30.5#

61 0.0 19.9 29.9#



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

500000

400000

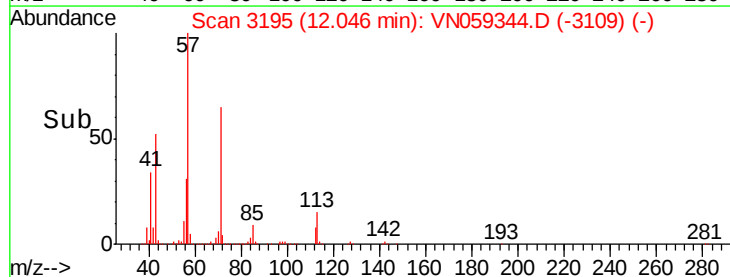
300000

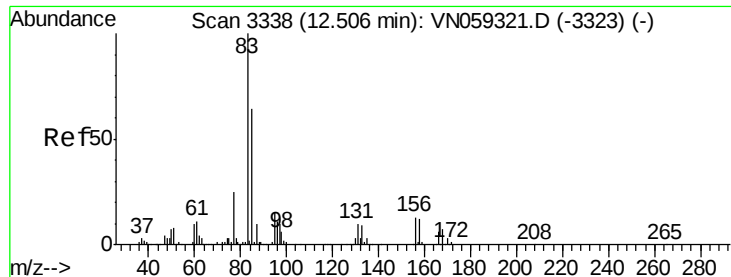
200000

100000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 44.378 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN059344.D

Acq: 21 Nov 2019 18:24

Instrument :

MSVOA_N

ClientSampled :

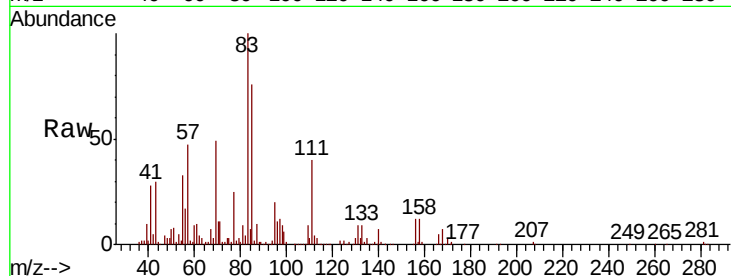
Tot Ion: 83 Resp: 355304

Ion Ratio Lower Upper

83 100

131 8.3 5.0 14.9

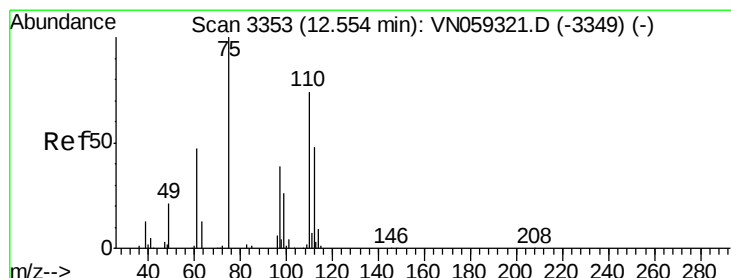
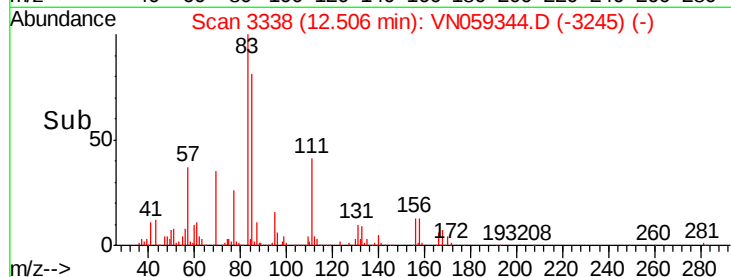
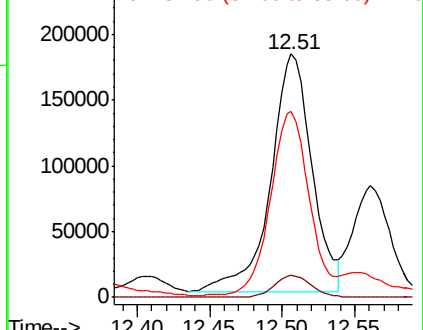
85 73.0 32.1 96.3



Abundance Ion 82.90 (82.60 to 83.60): VN059321.D (-3323) (-)

Ion 130.80 (130.50 to 131.50): VN059321.D (-3323) (-)

Ion 84.90 (84.60 to 85.60): VN059321.D (-3323) (-)



#76

1,2,3-Trichloropropane

Concen: 59.145 ug/l

RT: 12.56 min Scan# 3354

Delta R.T. 0.00 min

Lab File: VN059344.D

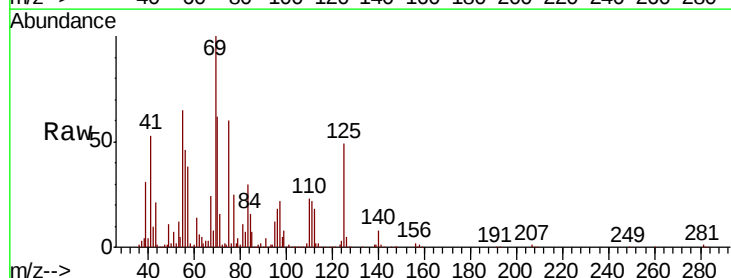
Acq: 21 Nov 2019 18:24

Tgt Ion: 75 Resp: 403708

Ion Ratio Lower Upper

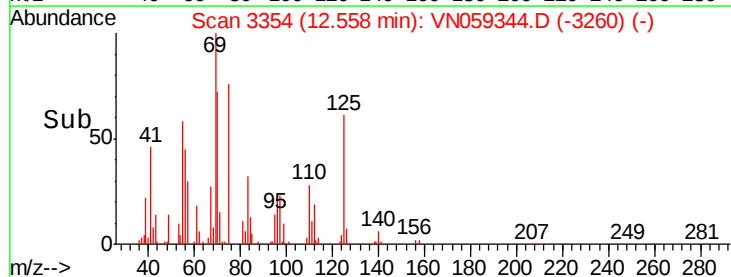
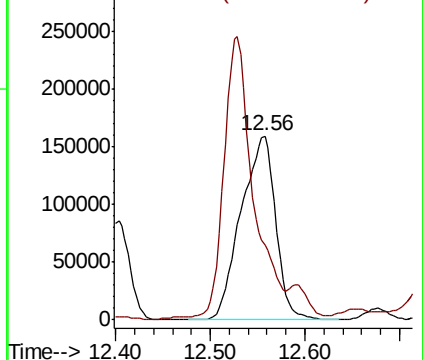
75 100

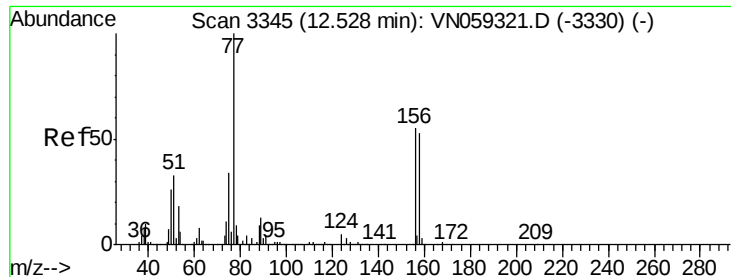
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN059321.D (-3349) (-)

Ion 77.00 (76.70 to 77.70): VN059321.D (-3349) (-)





#77

Bromobenzene

Concen: 39.095 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN059344.D

Acq: 21 Nov 2019 18:24

Instrument :

MSVOA_N

ClientSampleId :

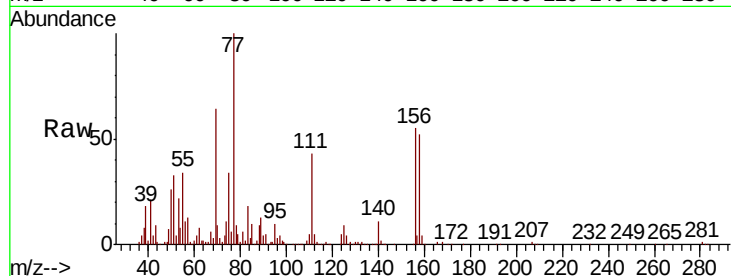
Tot Ion:156 Resp: 229509

Ion Ratio Lower Upper

156 100

77 232.8 111.1 333.4

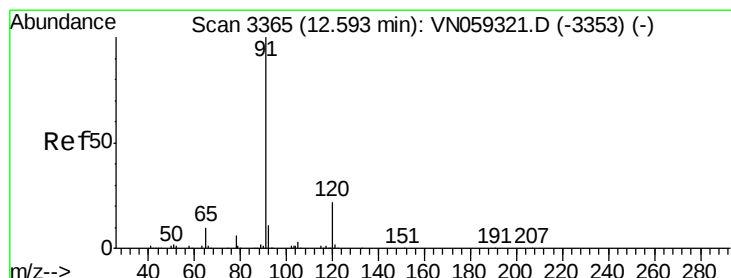
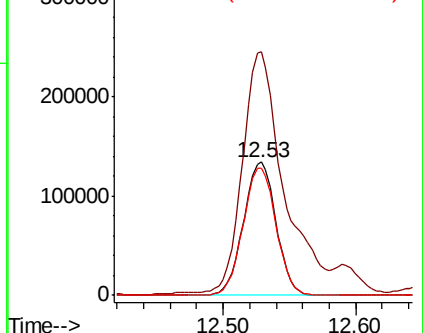
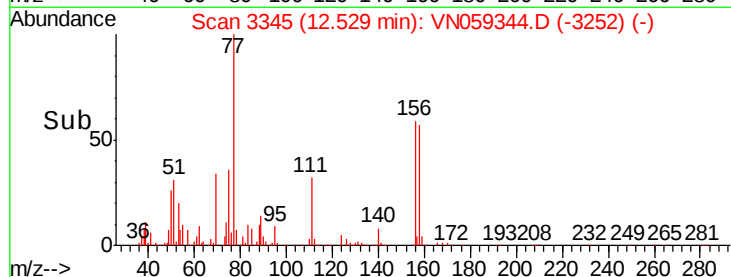
158 96.4 47.8 143.4



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: 43.264 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN059344.D

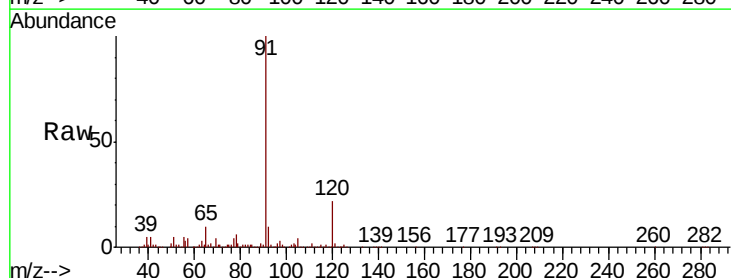
Acq: 21 Nov 2019 18:24

Tgt Ion: 91 Resp: 1186116

Ion Ratio Lower Upper

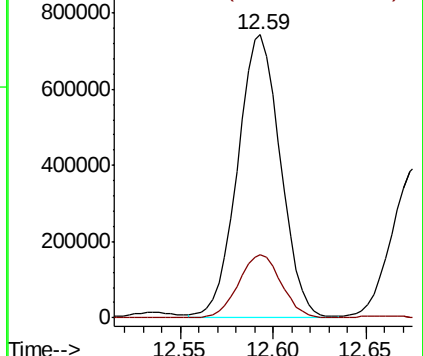
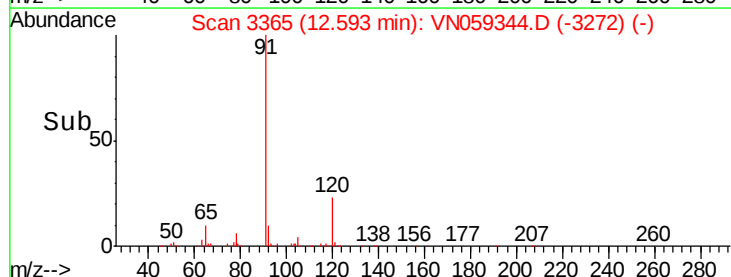
91 100

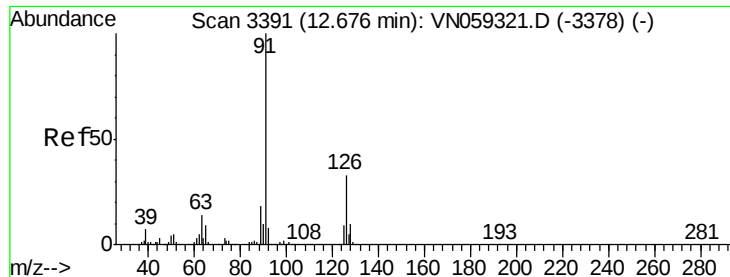
120 22.4 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 39.906 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN059344.D

Acq: 21 Nov 2019 18:24

Instrument :

MSVOA_N

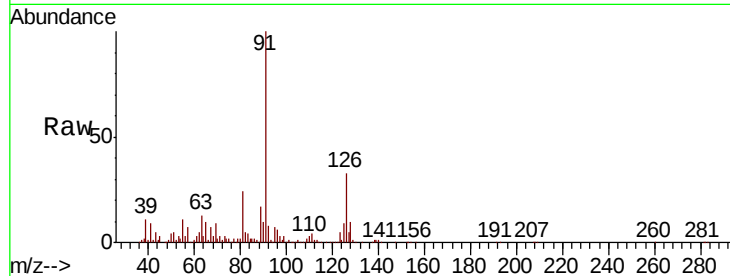
ClientSampleId :

Tot Ion: 91 Resp: 671530

Ion Ratio Lower Upper

91 100

126 32.4 16.7 50.1



Abundance Ion 91.00 (90.70 to 91.70): VN059321.D (-3378) (-)

Ion 125.90 (125.60 to 126.60): VN059321.D (-3378) (-)

800000

600000

400000

200000

0

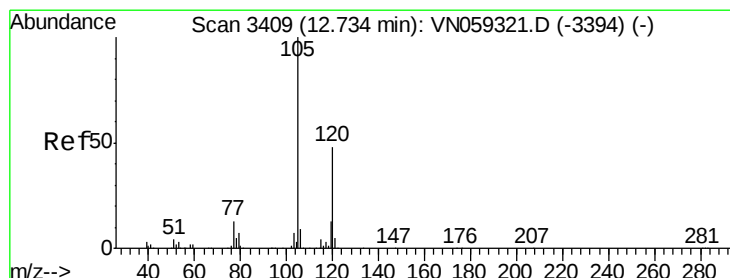
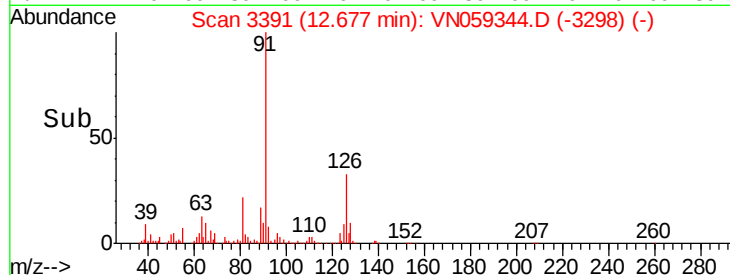
12.68

12.60

12.65

12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 41.620 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN059344.D

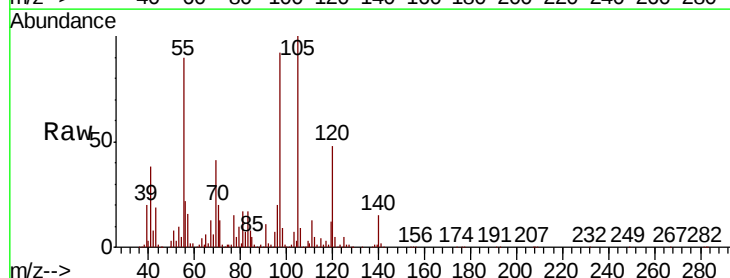
Acq: 21 Nov 2019 18:24

Tgt Ion: 105 Resp: 846807

Ion Ratio Lower Upper

105 100

120 48.1 24.1 72.4



Abundance Ion 105.00 (104.70 to 105.70): VN059321.D (-3394) (-)

Ion 120.00 (119.70 to 120.70): VN059321.D (-3394) (-)

600000

500000

400000

300000

200000

100000

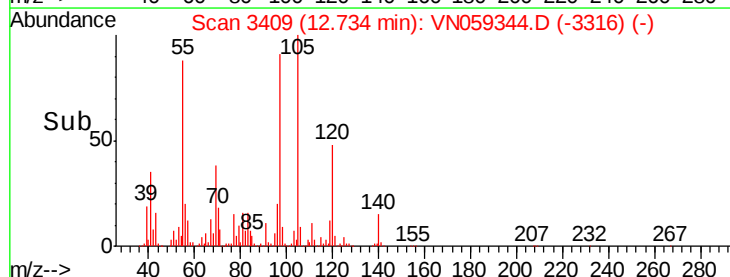
0

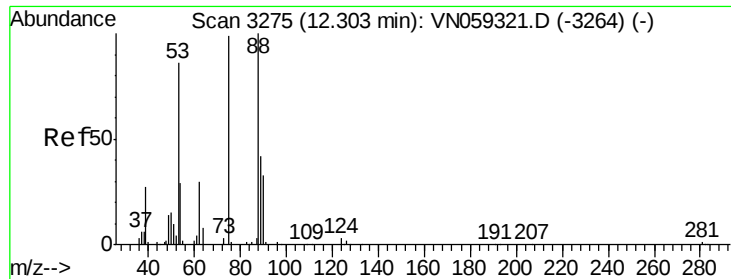
12.73

12.70

12.80

Time-->

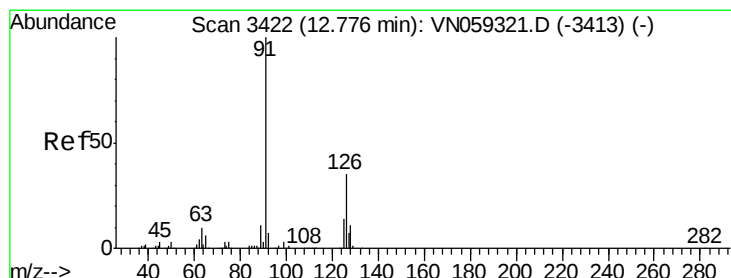
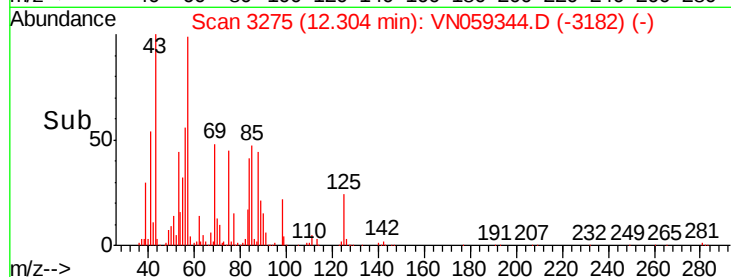
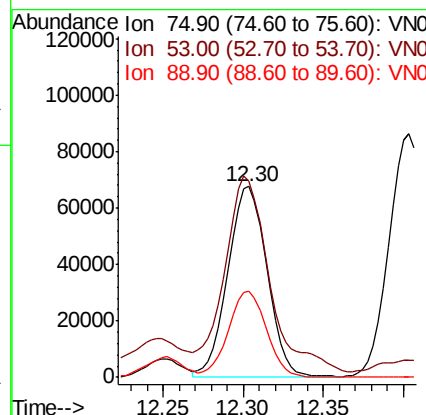
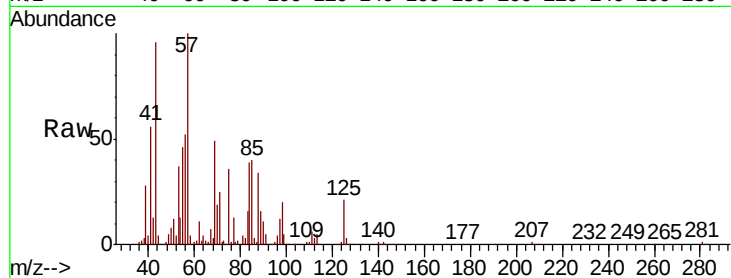




#81
trans-1,4-Dichloro-2-butene
Concen: 41.413 ug/l
RT: 12.30 min Scan# 3275
Delta R.T. 0.00 min
Lab File: VN059344.D
Acq: 21 Nov 2019 18:24

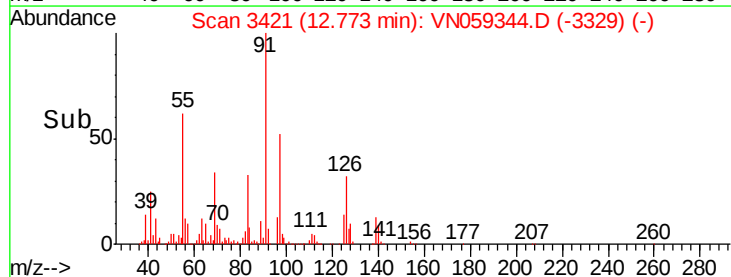
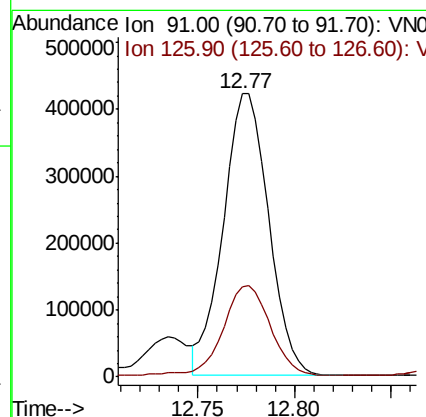
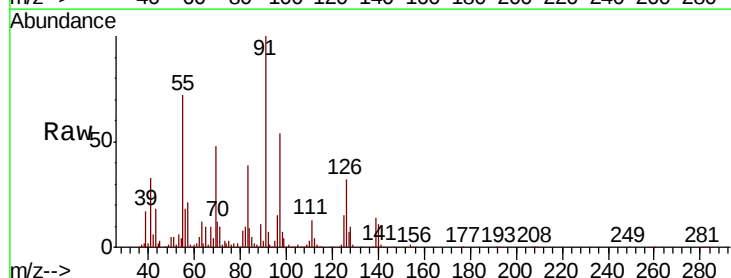
Instrument :
MSVOA_N
ClientSampleId :

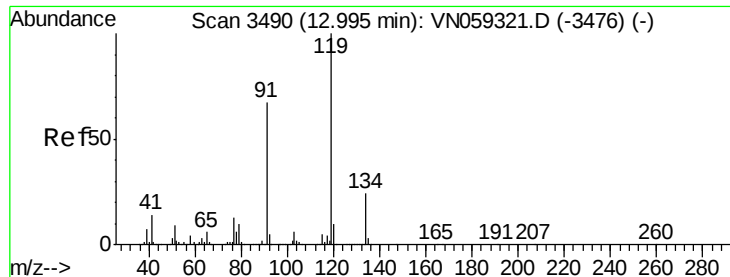
Tot Ion: 75 Resp: 113016
Ion Ratio Lower Upper
75 100
53 116.3 70.7 106.1#
89 44.1 35.4 53.0



#82
4-Chlorotoluene
Concen: 39.533 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN059344.D
Acq: 21 Nov 2019 18:24

Tgt Ion: 91 Resp: 688418
Ion Ratio Lower Upper
91 100
126 34.2 16.2 48.6

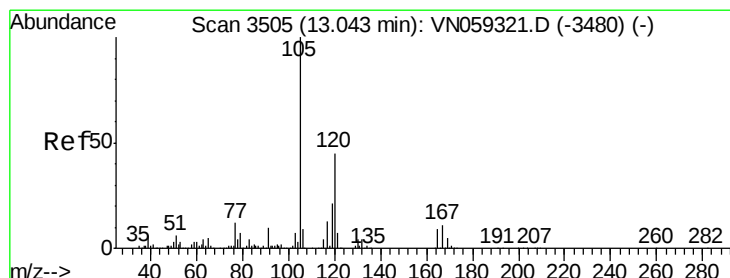
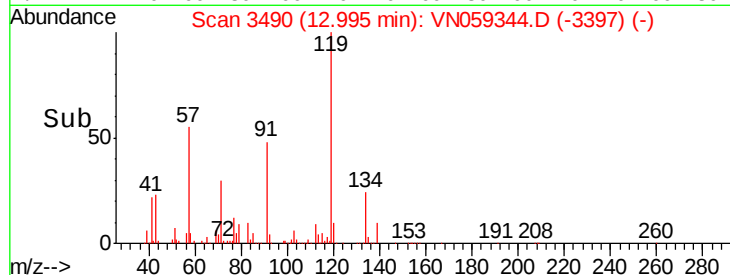
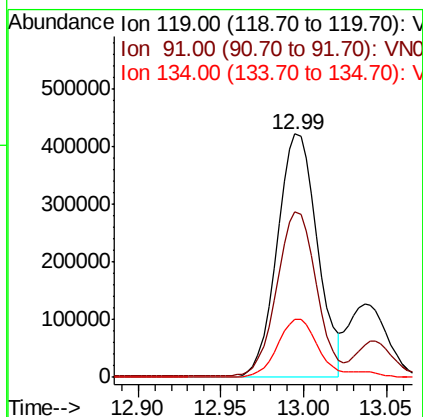
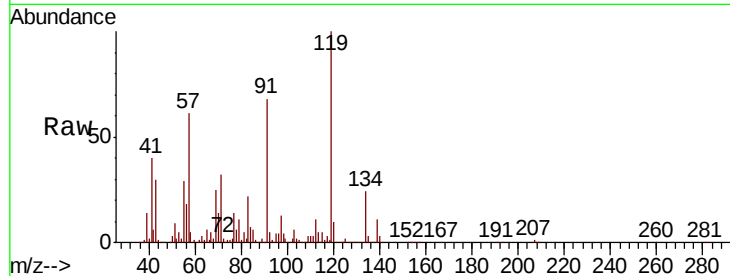




#83
tert-Butylbenzene
Concen: 41.528 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. 0.00 min
Lab File: VN059344.D
Acq: 21 Nov 2019 18:24

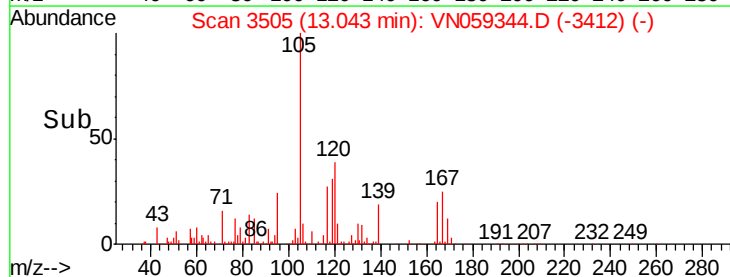
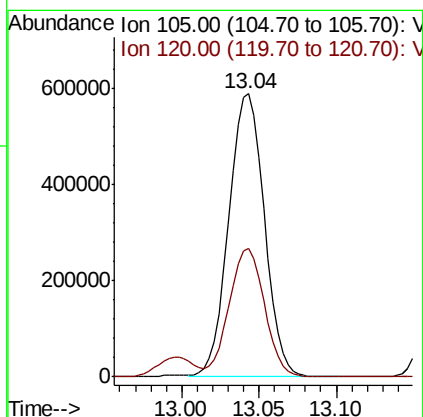
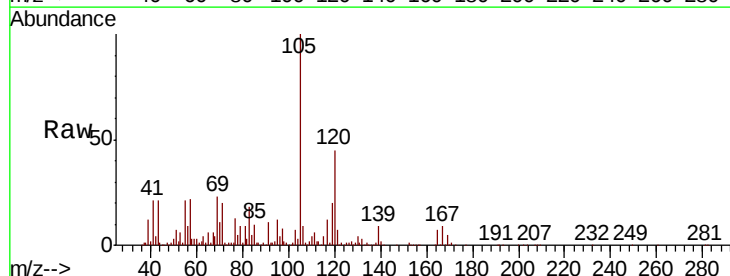
Instrument :
MSVOA_N
ClientSampleId :

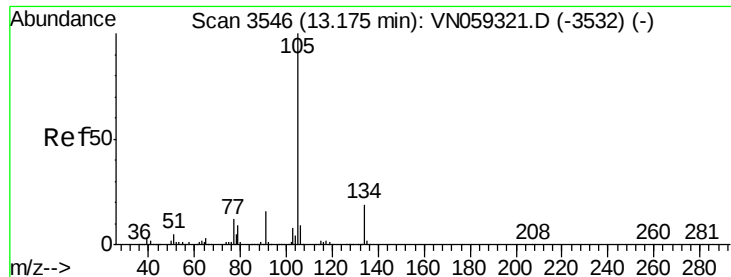
Tot Ion:119 Resp: 713599
Ion Ratio Lower Upper
119 100
91 66.7 32.8 98.4
134 25.5 13.0 38.9



#84
1,2,4-Trimethylbenzene
Concen: 47.053 ug/l
RT: 13.04 min Scan# 3505
Delta R.T. 0.00 min
Lab File: VN059344.D
Acq: 21 Nov 2019 18:24

Tgt Ion:105 Resp: 937790
Ion Ratio Lower Upper
105 100
120 45.1 22.6 67.8





#85

sec-Butylbenzene

Concen: 45.219 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. 0.00 min

Lab File: VN059344.D

Acq: 21 Nov 2019 18:24

Instrument :

MSVOA_N

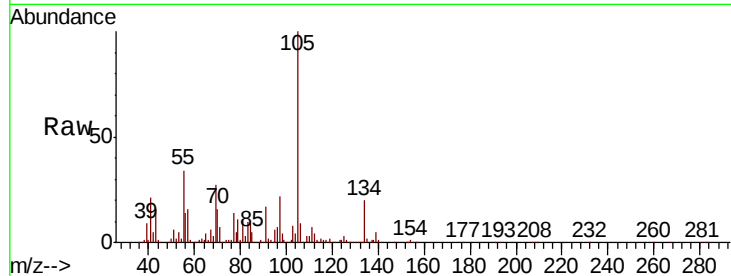
ClientSampled :

Tot Ion:105 Resp: 1044355

Ion Ratio Lower Upper

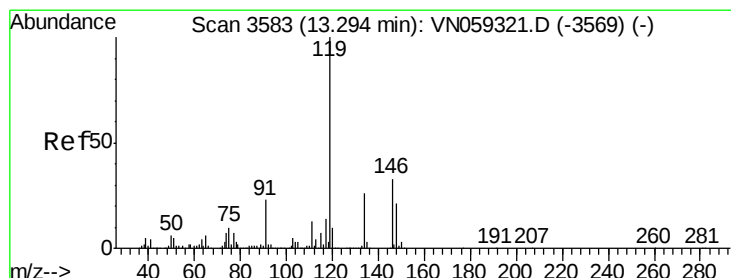
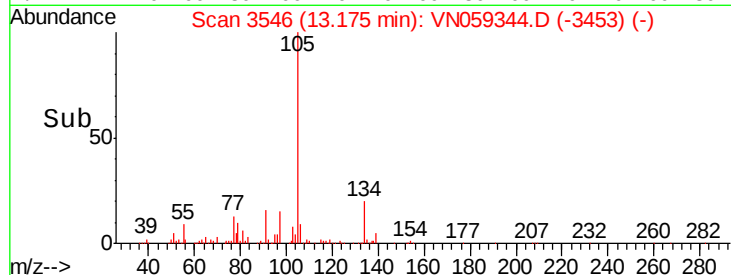
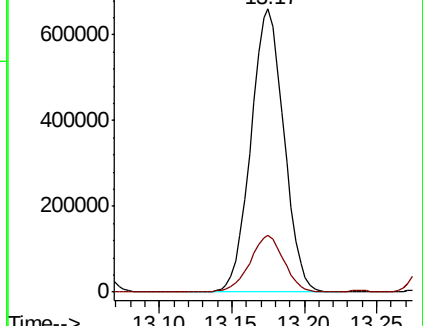
105 100

134 20.8 9.8 29.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 43.300 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. -0.00 min

Lab File: VN059344.D

Acq: 21 Nov 2019 18:24

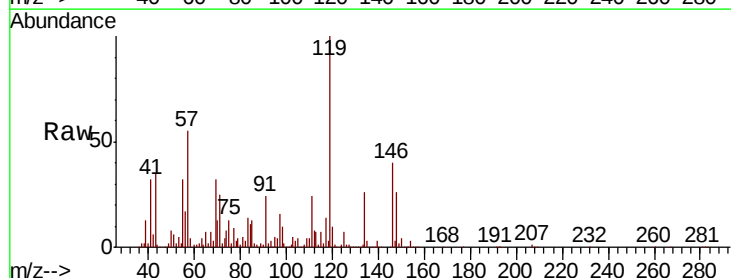
Tgt Ion:119 Resp: 889896

Ion Ratio Lower Upper

119 100

134 25.7 13.0 38.9

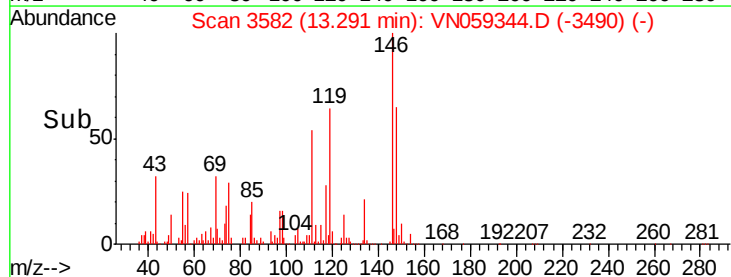
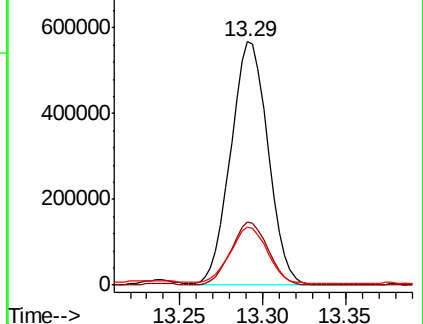
91 23.1 11.6 34.7

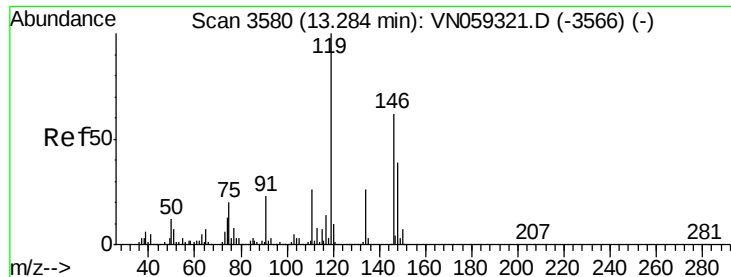


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 39.711 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN059344.D

Acq: 21 Nov 2019 18:24

Instrument :

MSVOA_N

ClientSampled :

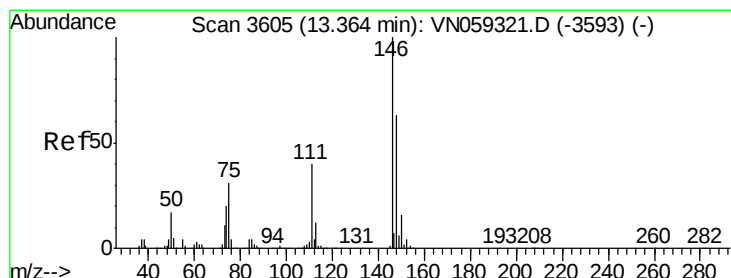
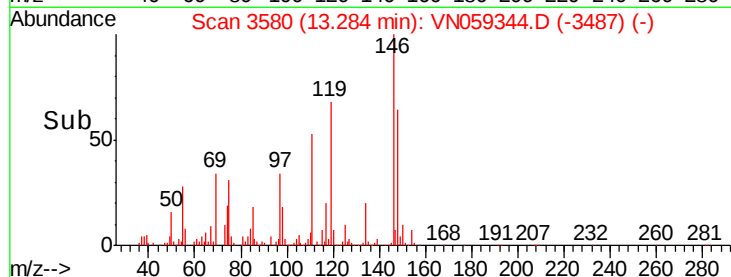
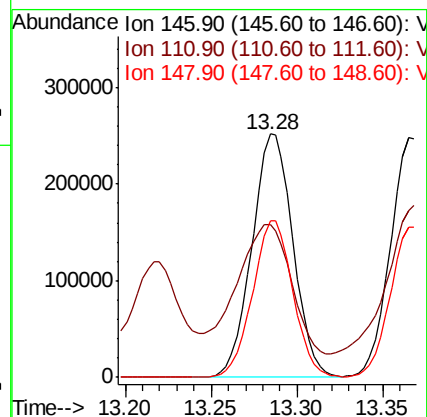
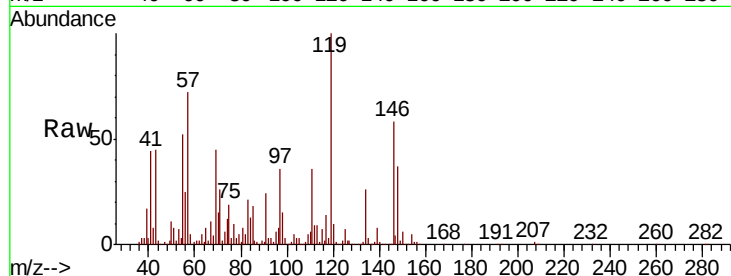
Tot Ion:146 Resp: 415159

Ion Ratio Lower Upper

146 100

111 70.4 20.6 61.8#

148 63.5 31.9 95.5



#88

1,4-Dichlorobenzene

Concen: 39.670 ug/l

RT: 13.36 min Scan# 3605

Delta R.T. 0.00 min

Lab File: VN059344.D

Acq: 21 Nov 2019 18:24

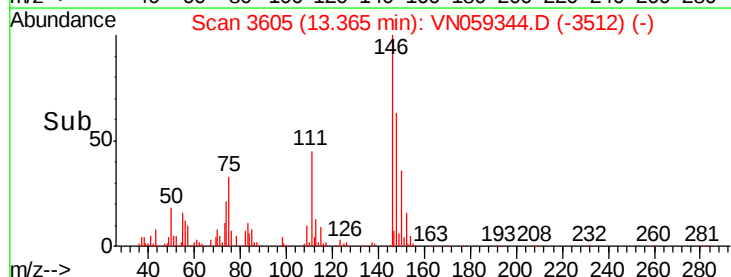
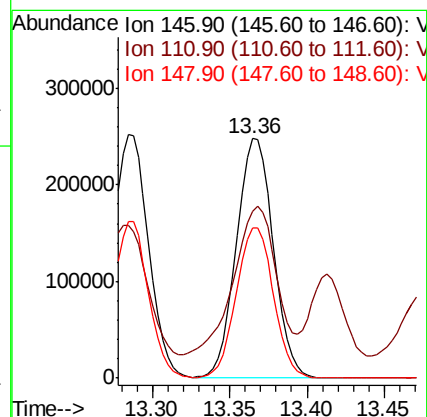
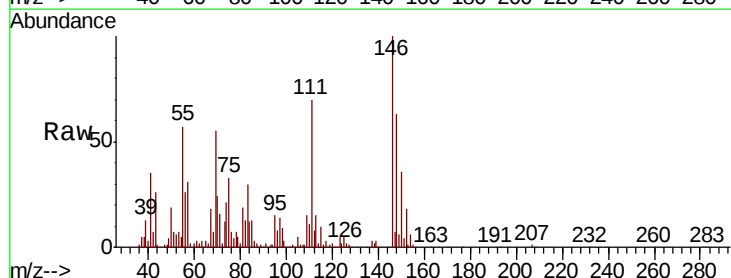
Tgt Ion:146 Resp: 410337

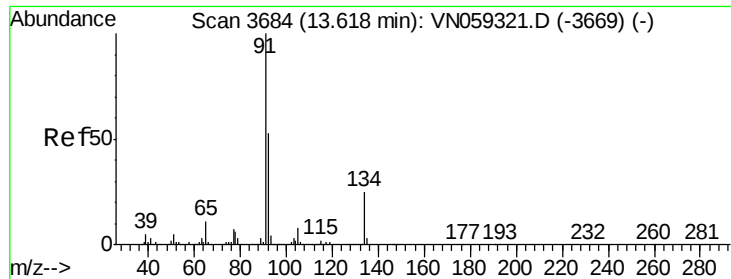
Ion Ratio Lower Upper

146 100

111 70.5 20.1 60.3#

148 63.4 31.7 95.1

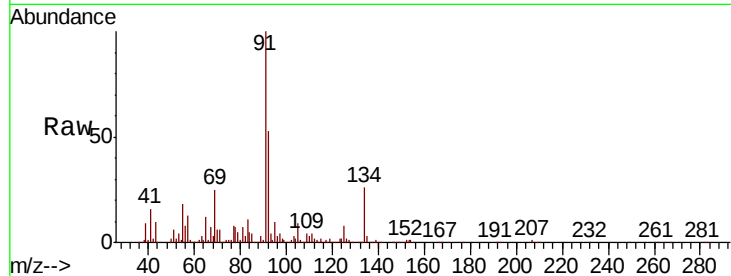




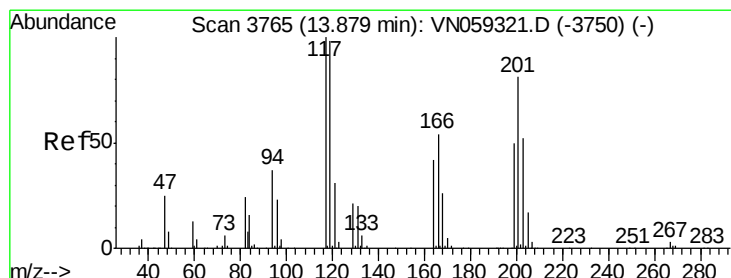
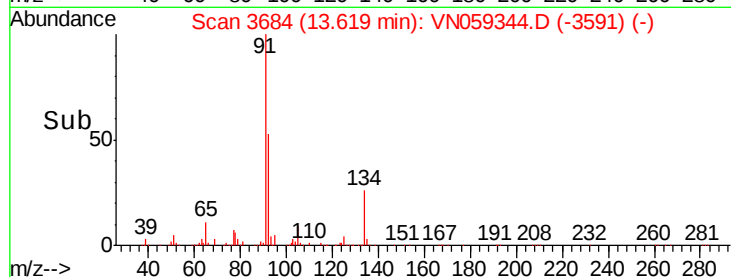
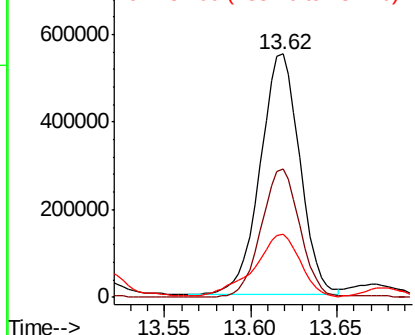
#89
n-Butylbenzene
Concen: 49.006 ug/l
RT: 13.62 min Scan# 3684
Delta R.T. 0.00 min
Lab File: VN059344.D
Acq: 21 Nov 2019 18:24

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 91 Resp: 883511
Ion Ratio Lower Upper
91 100
92 51.1 26.0 78.0
134 29.3 12.7 38.1

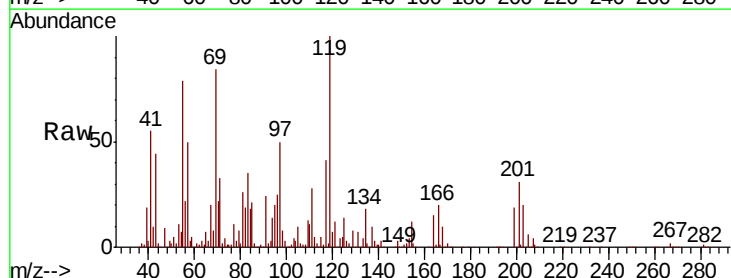


Abundance Ion 91.00 (90.70 to 91.70): VN059321.D (-3669) (-)
Ion 92.00 (91.70 to 92.70): VN059321.D (-3669) (-)
Ion 134.00 (133.70 to 134.70): VN059321.D (-3669) (-)

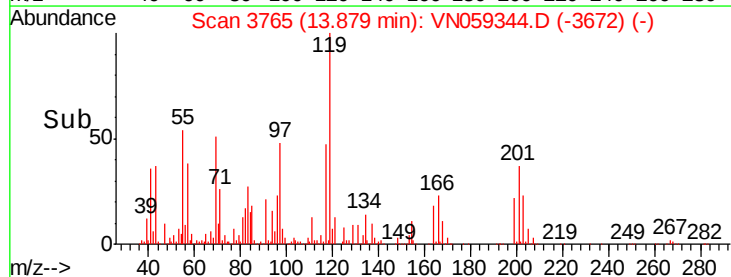
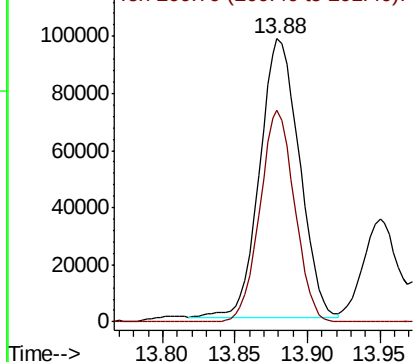


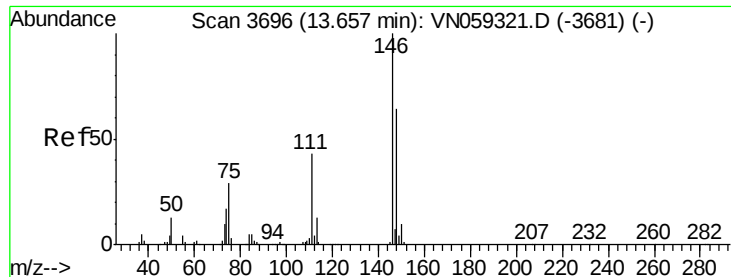
#90
Hexachloroethane
Concen: 47.554 ug/l
RT: 13.88 min Scan# 3765
Delta R.T. 0.00 min
Lab File: VN059344.D
Acq: 21 Nov 2019 18:24

Tgt Ion: 117 Resp: 185089
Ion Ratio Lower Upper
117 100
201 66.8 40.4 121.2



Abundance Ion 116.80 (116.50 to 117.50): VN059321.D (-3750) (-)
Ion 200.70 (200.40 to 201.40): VN059321.D (-3750) (-)

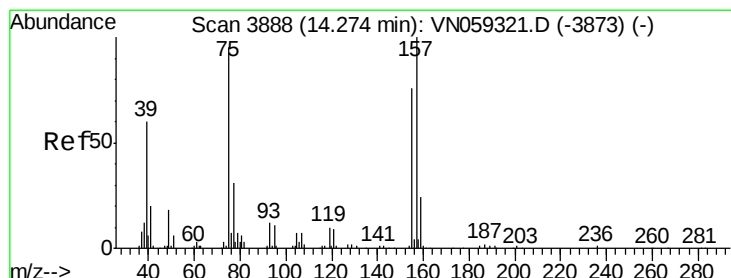
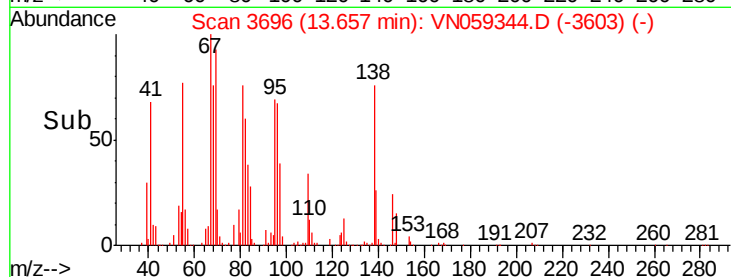
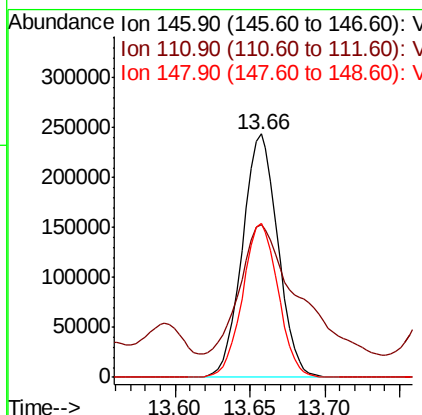
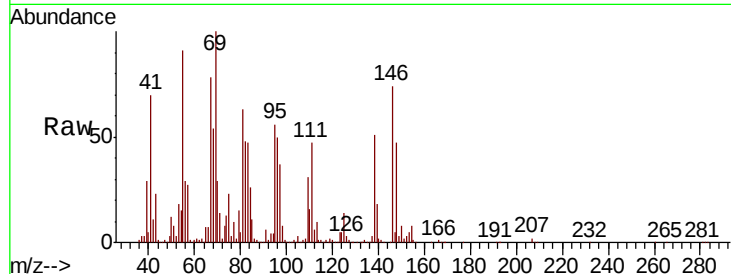




#91
 1,2-Dichlorobenzene
 Concen: 39.684 ug/l
 RT: 13.66 min Scan# 3696
 Delta R.T. 0.00 min
 Lab File: VN059344.D
 Acq: 21 Nov 2019 18:24

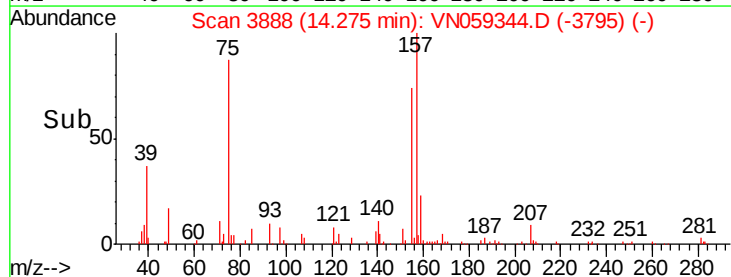
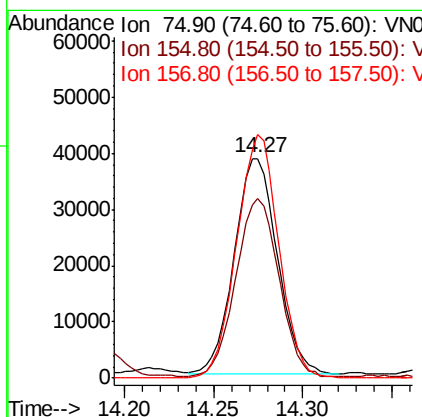
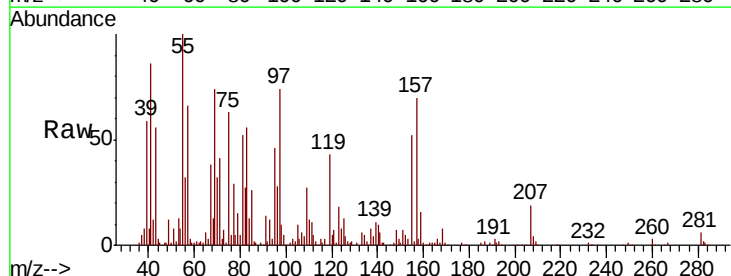
Instrument :
 MSVOA_N
 ClientSampled :

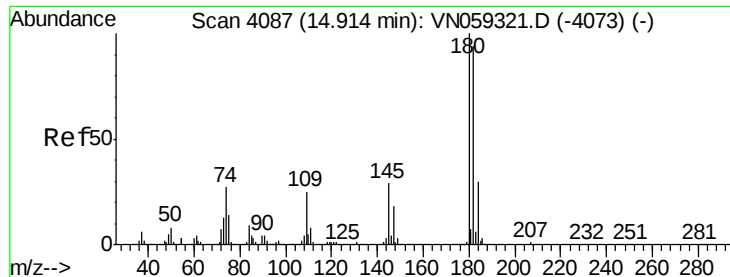
Tot Ion	Ratio	Lower	Upper
146	100		
111	96.9	21.3	64.0#
148	63.7	31.9	95.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 37.886 ug/l
 RT: 14.27 min Scan# 3888
 Delta R.T. 0.00 min
 Lab File: VN059344.D
 Acq: 21 Nov 2019 18:24

Tgt Ion	Ratio	Lower	Upper
75	100		
155	83.0	40.5	121.5
157	111.0	52.7	158.1

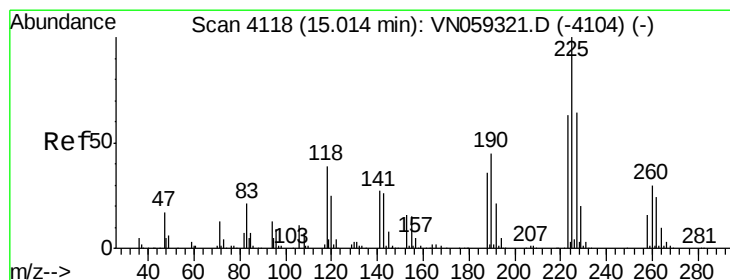
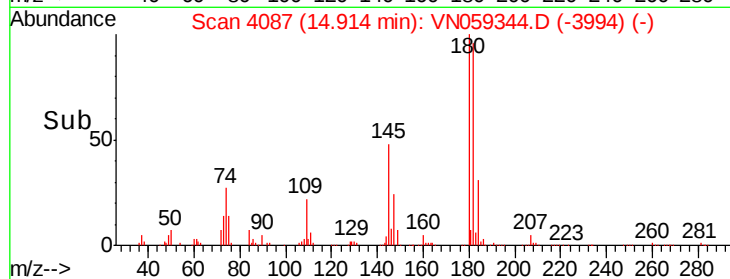
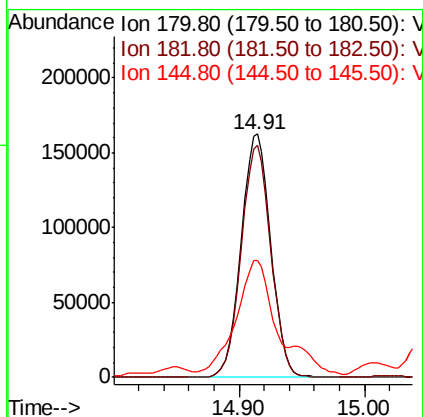
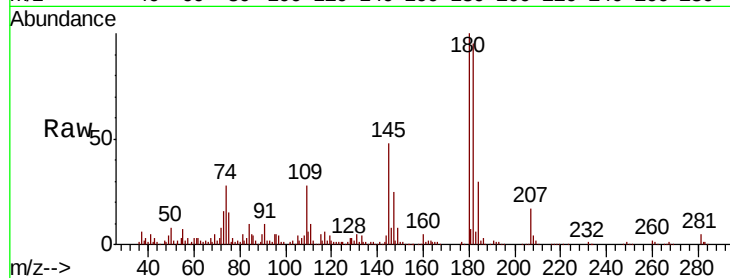




#93
 1,2,4-Trichlorobenzene
 Concen: 42.688 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN059344.D
 Acq: 21 Nov 2019 18:24

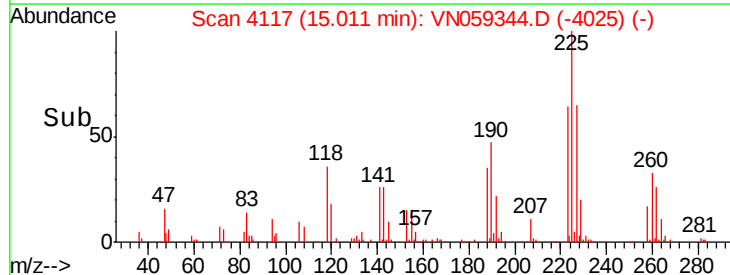
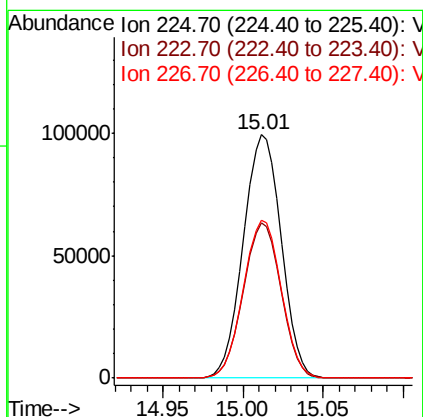
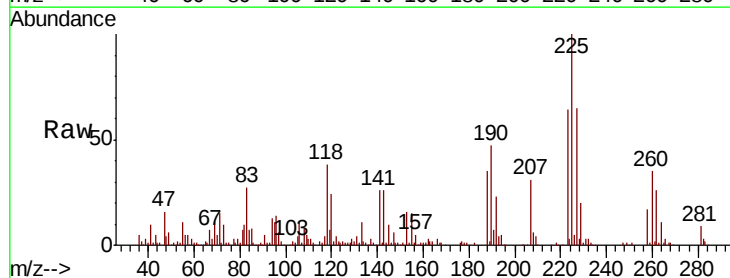
Instrument :
 MSVOA_N
 ClientSampleId :

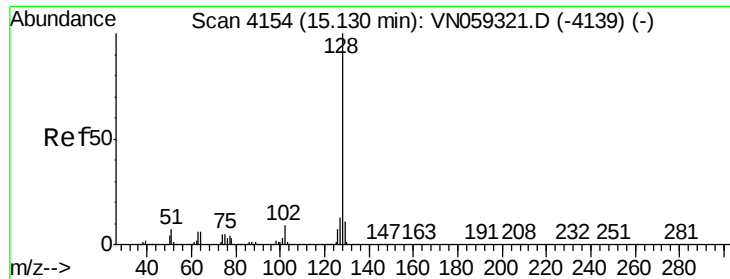
Tot Ion:180 Resp: 265680
 Ion Ratio Lower Upper
 180 100
 182 95.3 47.2 141.6
 145 54.3 14.9 44.5#



#94
 Hexachlorobutadiene
 Concen: 44.180 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN059344.D
 Acq: 21 Nov 2019 18:24

Tgt Ion:225 Resp: 161002
 Ion Ratio Lower Upper
 225 100
 223 63.6 31.6 94.8
 227 64.9 32.6 97.7





#95

Naphthalene

Concen: 44.428 ug/l

RT: 15.13 min Scan# 4153

Delta R.T. -0.00 min

Lab File: VN059344.D

Acq: 21 Nov 2019 18:24

Instrument :

MSVOA_N

ClientSampleId :

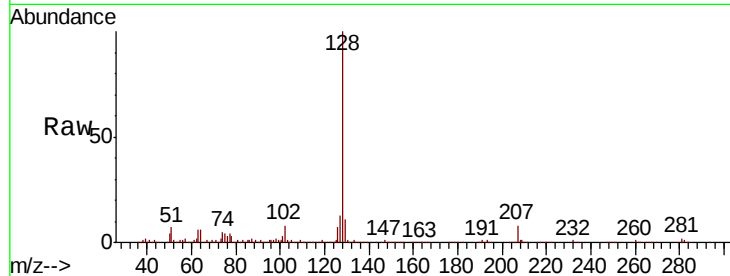
Tot Ion:128 Resp: 767338

Ion Ratio Lower Upper

128 100

127 12.5 10.2 15.2

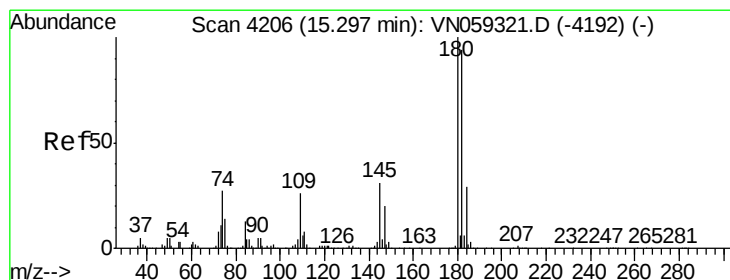
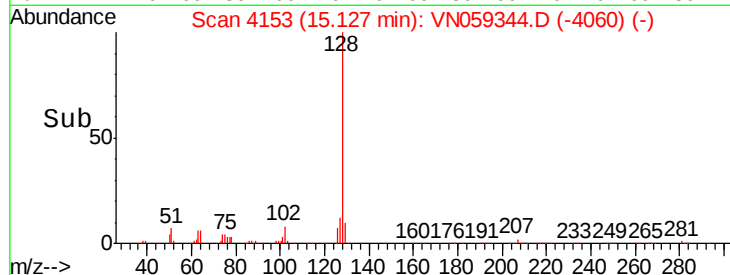
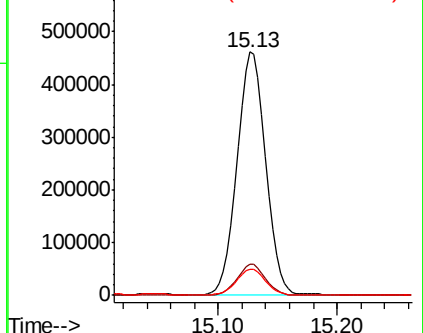
129 10.9 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 42.177 ug/l

RT: 15.30 min Scan# 4206

Delta R.T. 0.00 min

Lab File: VN059344.D

Acq: 21 Nov 2019 18:24

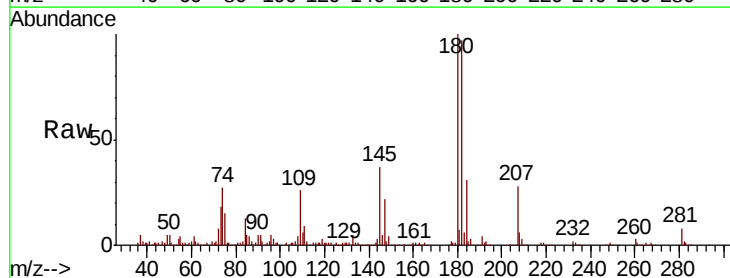
Tgt Ion:180 Resp: 258520

Ion Ratio Lower Upper

180 100

182 96.4 47.1 141.4

145 40.8 15.6 46.8



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

