

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN112119\
 Data File : VN059332.D
 Acq On : 21 Nov 2019 14:01
 Operator : JC/SP
 Sample : VN1121MBS01
 Misc : 5.00µg/10mL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 22 05:59:47 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	434896	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	689238	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	603394	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	261964	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	255882	49.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.08%	
35) Dibromofluoromethane	7.57	113	204314	49.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.82%	
50) Toluene-d8	10.08	98	801136	48.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.48%	
62) 4-Bromofluorobenzene	12.40	95	270359	47.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.08%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	82411	14.802	ug/l	98
3) Chloromethane	2.04	50	99905	14.647	ug/l	98
4) Vinyl Chloride	2.17	62	109520	15.596	ug/l	99
5) Bromomethane	2.55	94	60040	15.400	ug/l	99
6) Chloroethane	2.69	64	54690	14.270	ug/l	95
7) Trichlorofluoromethane	3.00	101	108466	14.343	ug/l	99
8) Diethyl Ether	3.39	74	47908	15.496	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.74	101	69876	15.111	ug/l	98
10) Methyl Iodide	3.93	142	85951	14.956	ug/l	99
11) Tert butyl alcohol	4.75	59	75429	72.200	ug/l	100
12) 1,1-Dichloroethene	3.72	96	68628	14.621	ug/l	94
13) Acrolein	3.58	56	83565	87.625	ug/l	100
14) Allyl chloride	4.30	41	130536	14.887	ug/l	99
15) Acrylonitrile	4.96	53	201468	72.936	ug/l	99
16) Acetone	3.79	43	164973	70.511	ug/l	97
17) Carbon Disulfide	4.03	76	218602	14.959	ug/l	100
18) Methyl Acetate	4.30	43	115731	14.905	ug/l	99
19) Methyl tert-butyl Ether	5.02	73	228694	15.085	ug/l	98
20) Methylene Chloride	4.53	84	79391	15.045	ug/l	97
21) trans-1,2-Dichloroethene	5.01	96	74053	14.886	ug/l	95
22) Diisopropyl ether	5.92	45	244707	14.822	ug/l	98
23) Vinyl Acetate	5.87	43	973507	74.986	ug/l	99
24) 1,1-Dichloroethane	5.82	63	140998	15.173	ug/l	99
25) 2-Butanone	6.81	43	262571	72.171	ug/l	99
26) 2,2-Dichloropropane	6.80	77	118356	14.709	ug/l	99
27) cis-1,2-Dichloroethene	6.81	96	82486	14.697	ug/l	98
28) Bromochloromethane	7.18	49	60289	17.530	ug/l	99
29) Tetrahydrofuran	7.19	42	185768	73.845	ug/l	99
30) Chloroform	7.35	83	136870	15.082	ug/l	97
31) Cyclohexane	7.64	56	133911	14.575	ug/l	97
32) 1,1,1-Trichloroethane	7.55	97	114157	14.734	ug/l	99
36) 1,1-Dichloropropene	7.77	75	104715	14.717	ug/l	99
37) Ethyl Acetate	6.91	43	111800	14.620	ug/l	98
38) Carbon Tetrachloride	7.75	117	100667	14.779	ug/l	95

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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)
39) Methylcyclohexane	9.07	83	122231	14.246	ug/l	98
40) Benzene	8.02	78	315379	15.102	ug/l	98
41) Methacrylonitrile	7.15	41	46096	13.579	ug/l #	100
42) 1,2-Dichloroethane	8.11	62	102633	14.860	ug/l	99
43) Isopropyl Acetate	8.15	43	168495	14.418	ug/l	100
44) Trichloroethene	8.82	130	78191	14.773	ug/l	93
45) 1,2-Dichloropropane	9.10	63	82891	14.885	ug/l	99
46) Dibromomethane	9.20	93	50996	14.930	ug/l	99
47) Bromodichloromethane	9.39	83	101351	14.816	ug/l	99
48) Methyl methacrylate	9.19	41	74734	14.062	ug/l	98
49) 1,4-Dioxane	9.19	88	24208	303.079	ug/l	97
51) 4-Methyl-2-Pentanone	9.98	43	521427	76.226	ug/l	99
52) Toluene	10.15	92	186749	14.872	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	114912	14.450	ug/l	97
54) cis-1,3-Dichloropropene	9.83	75	127260	14.748	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	74455	15.250	ug/l	97
56) Ethyl methacrylate	10.42	69	106034	14.488	ug/l	99
57) 1,3-Dichloropropane	10.70	76	127542	14.988	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	191652	80.335	ug/l	99
59) 2-Hexanone	10.75	43	368955	73.659	ug/l	99
60) Dibromochloromethane	10.90	129	76247	14.820	ug/l	99
61) 1,2-Dibromoethane	11.00	107	74628	14.690	ug/l	100
64) Tetrachloroethene	10.63	164	67874	14.544	ug/l	97
65) Chlorobenzene	11.43	112	192386	14.828	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	71264	15.120	ug/l	98
67) Ethyl Benzene	11.51	91	342512	14.785	ug/l	100
68) m/p-Xylenes	11.62	106	254861	29.608	ug/l	99
69) o-Xylene	11.95	106	120612	14.636	ug/l	99
70) Styrene	11.96	104	187761	14.440	ug/l	99
71) Bromoform	12.13	173	52575	14.729	ug/l #	98
73) Isopropylbenzene	12.25	105	323201	15.061	ug/l	100
74) N-amyl acetate	12.07	43	120565	13.979	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	106528	15.006	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	138532	22.890	ug/l #	100
77) Bromobenzene	12.53	156	76612	14.719	ug/l	98
78) n-propylbenzene	12.59	91	363083	14.937	ug/l	100
79) 2-Chlorotoluene	12.67	91	219230	14.693	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	270163	14.976	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	34672	14.329	ug/l	100
82) 4-Chlorotoluene	12.77	91	220460	14.278	ug/l	99
83) tert-Butylbenzene	12.99	119	228370	14.989	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	261485	14.797	ug/l	100
85) sec-Butylbenzene	13.17	105	304828	14.886	ug/l	100
86) p-Isopropyltoluene	13.29	119	268595	14.740	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	131671	14.205	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	130078	14.183	ug/l	98
89) n-Butylbenzene	13.62	91	224149	14.022	ug/l	100
90) Hexachloroethane	13.88	117	49922	14.466	ug/l	99
91) 1,2-Dichlorobenzene	13.66	146	130509	14.552	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	20110	13.325	ug/l	99

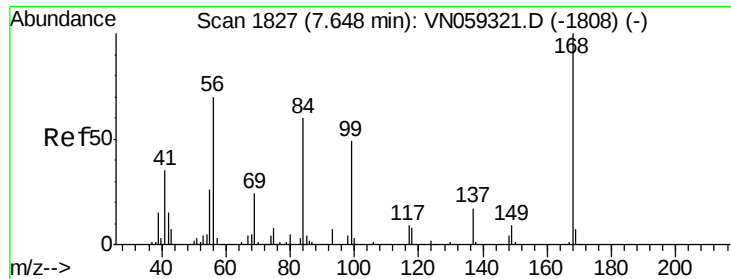
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Quant Time: Nov 22 05:59:47 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112019W.M
Quant Title : SW846 8260
QLast Update : Thu Nov 21 08:44:45 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	69756	14.709	ug/l	98
94) Hexachlorobutadiene	15.01	225	46381	14.354	ug/l	98
95) Naphthalene	15.13	128	192082	14.817	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	73681	14.848	ug/l	100

(#) = 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: VN059332.D

Acq: 21 Nov 2019 14:01

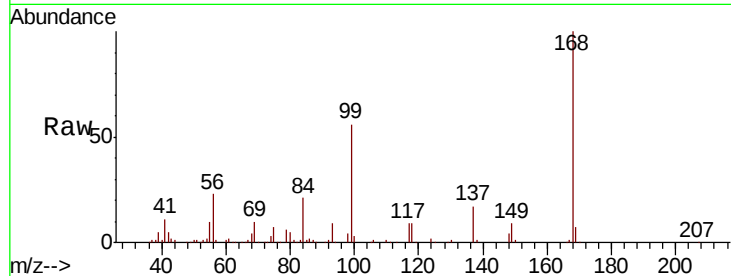
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 434896

Ion Ratio Lower Upper

168 100

99 56.1 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

200000

150000

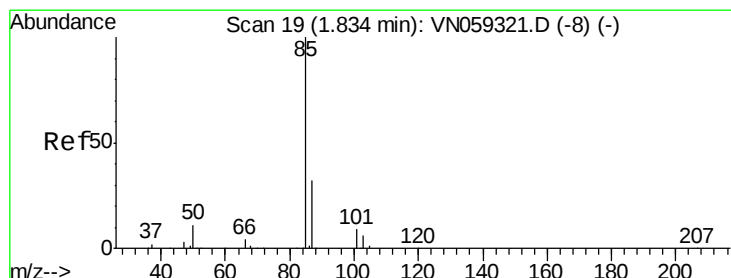
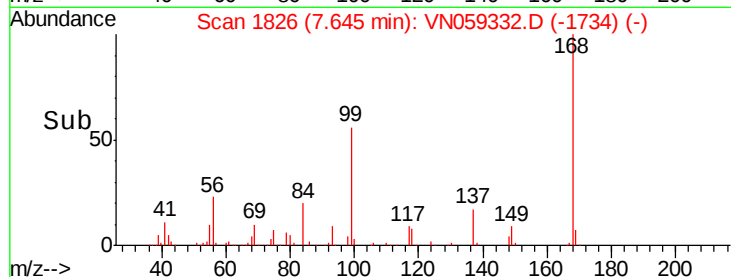
100000

50000

0

7.50 7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 14.802 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN059332.D

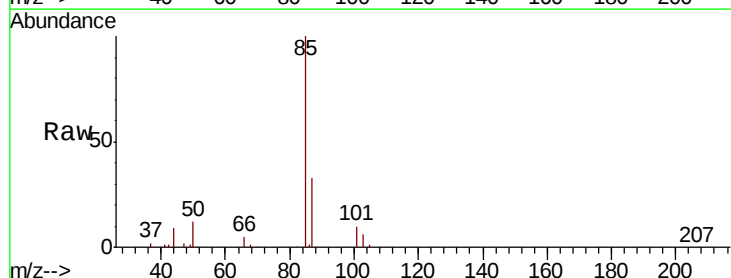
Acq: 21 Nov 2019 14:01

Tgt Ion: 85 Resp: 82411

Ion Ratio Lower Upper

85 100

87 32.9 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

60000

50000

40000

30000

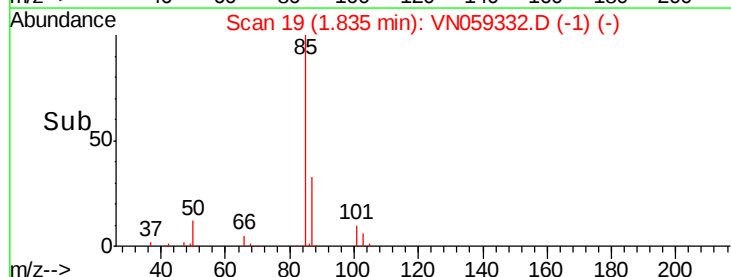
20000

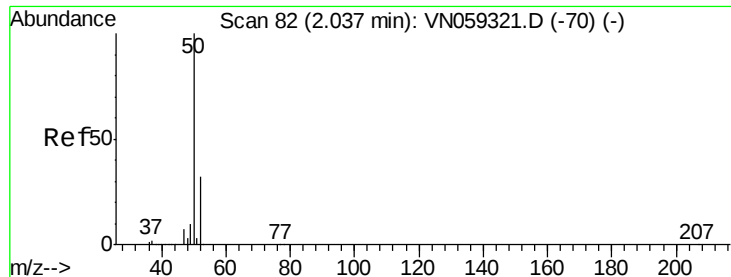
10000

0

1.75 1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 14.647 ug/l

RT: 2.04 min Scan# 83

Delta R.T. 0.00 min

Lab File: VN059332.D

Acq: 21 Nov 2019 14:01

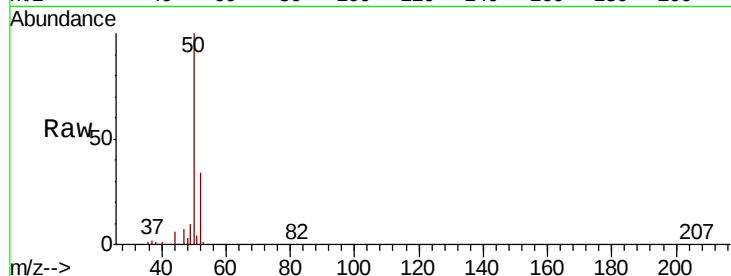
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 50 Resp: 99905

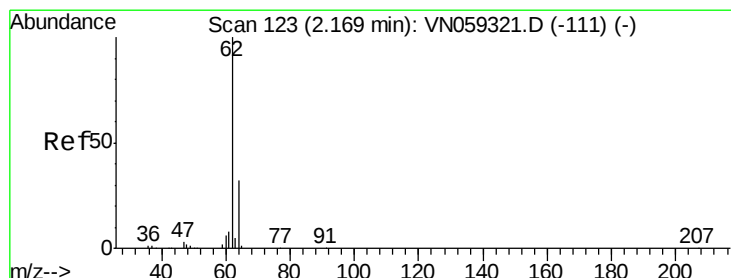
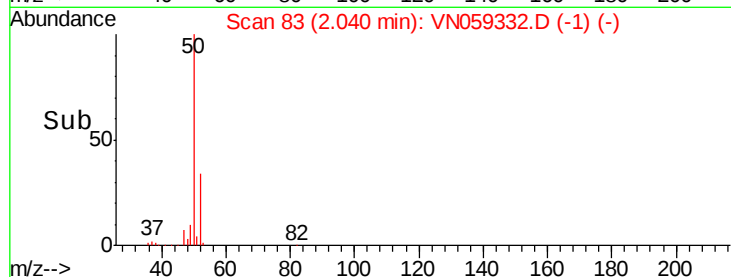
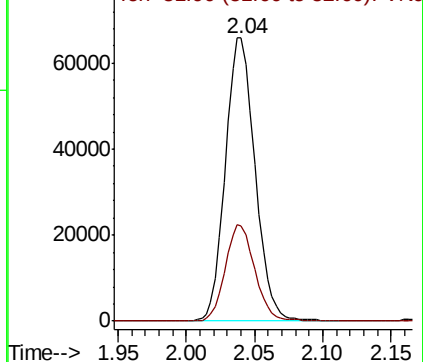
Ion Ratio Lower Upper

50 100

52 33.8 26.0 39.0



Abundance Ion 49.90 (49.60 to 50.60): VNO
Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 15.596 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN059332.D

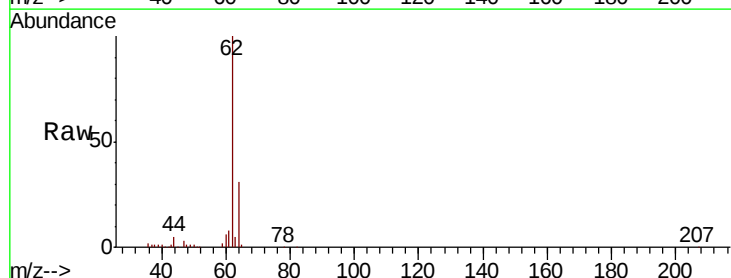
Acq: 21 Nov 2019 14:01

Tgt Ion: 62 Resp: 109520

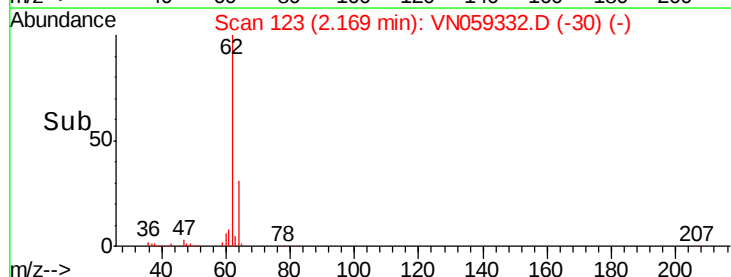
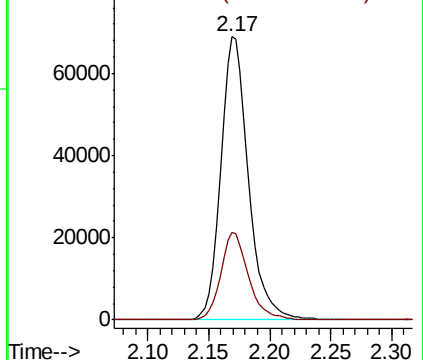
Ion Ratio Lower Upper

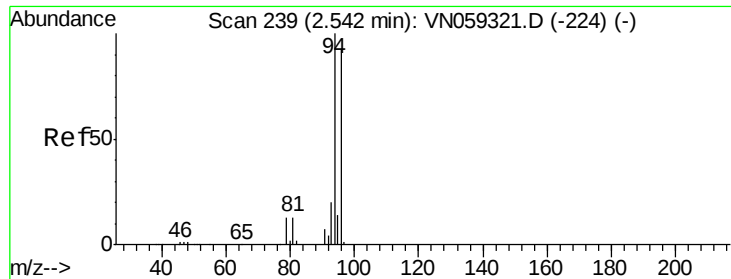
62 100

64 31.1 25.4 38.0



Abundance Ion 61.90 (61.60 to 62.60): VNO
Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: 15.400 ug/l

RT: 2.55 min Scan# 241

Delta R.T. 0.01 min

Lab File: VN059332.D

Acq: 21 Nov 2019 14:01

Instrument :

MSVOA_N

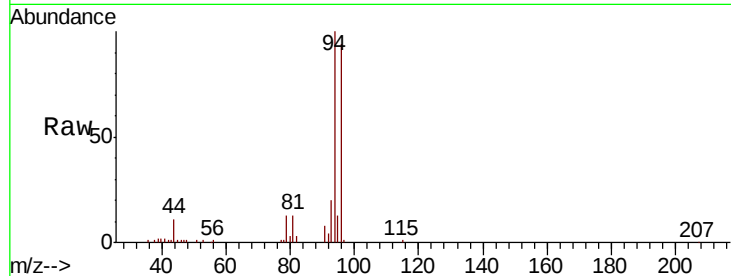
ClientSampleId :

Tot Ion: 94 Resp: 60040

Ion Ratio Lower Upper

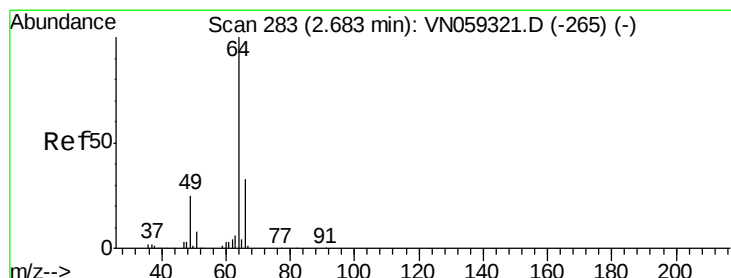
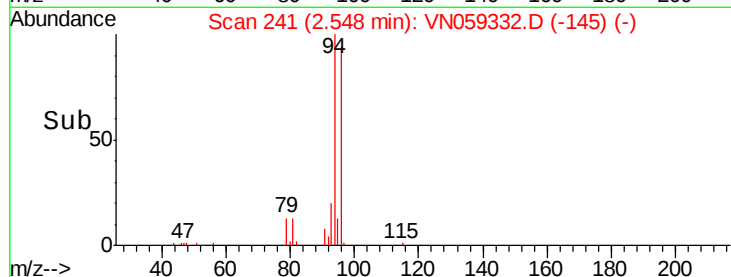
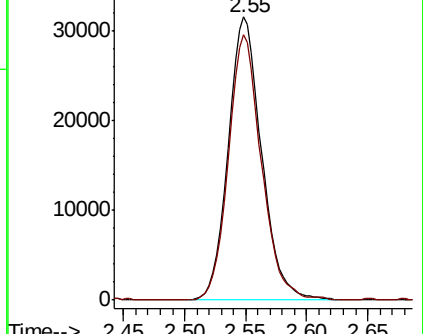
94 100

96 93.7 74.5 111.7



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 14.270 ug/l

RT: 2.69 min Scan# 284

Delta R.T. 0.00 min

Lab File: VN059332.D

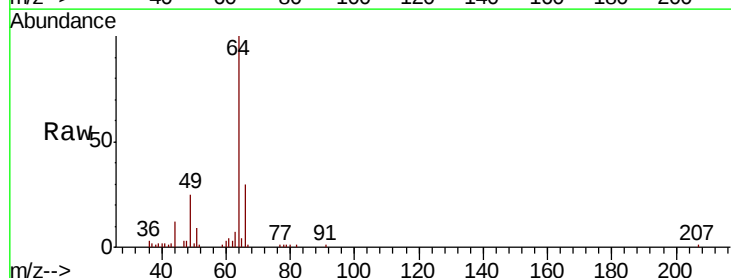
Acq: 21 Nov 2019 14:01

Tgt Ion: 64 Resp: 54690

Ion Ratio Lower Upper

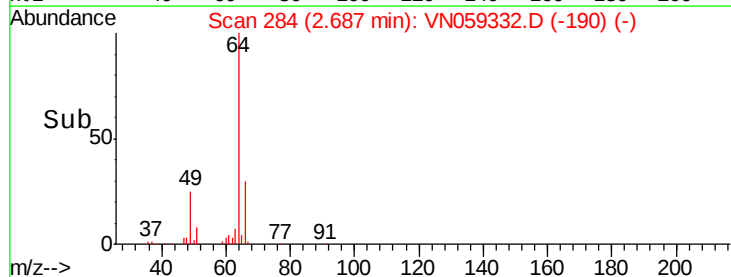
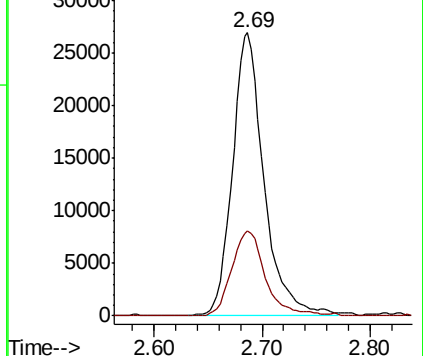
64 100

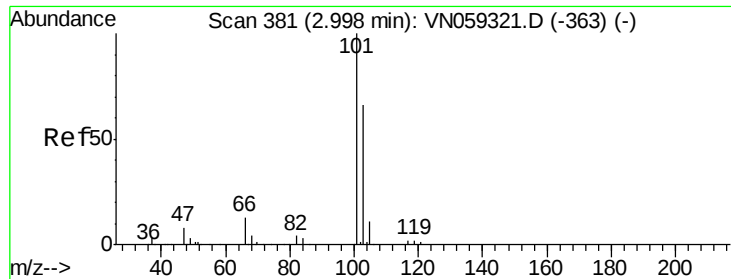
66 30.0 26.2 39.2



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



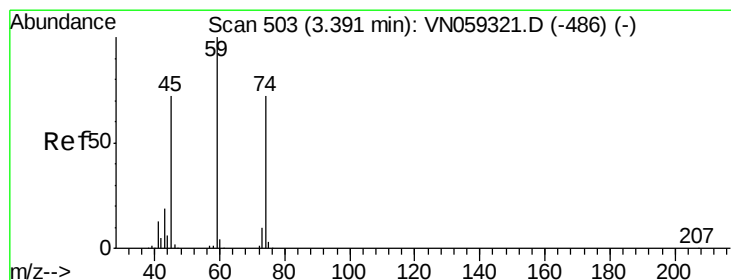
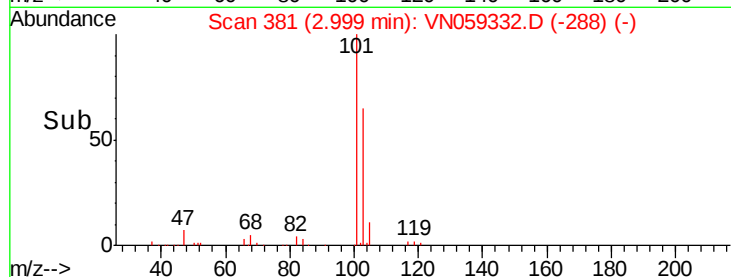
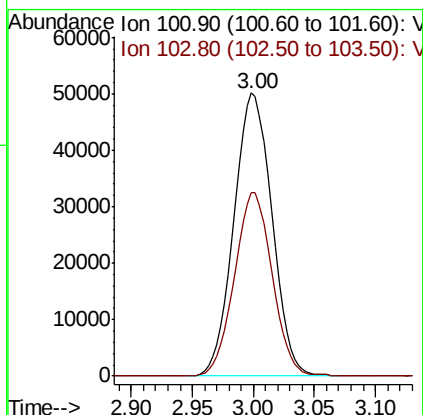
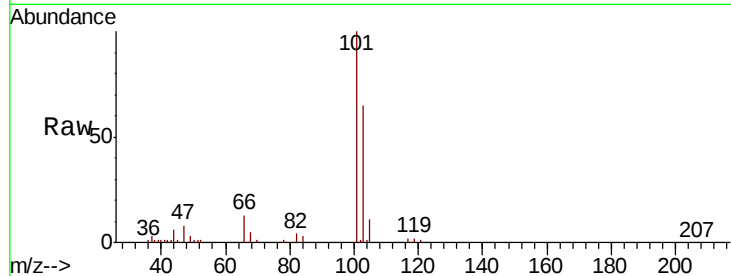


#7

Trichlorofluoromethane
 Concen: 14.343 ug/l
 RT: 3.00 min Scan# 381
 Delta R.T. 0.00 min
 Lab File: VN059332.D
 Acq: 21 Nov 2019 14:01

Instrument :
 MSVOA_N
 ClientSampled :

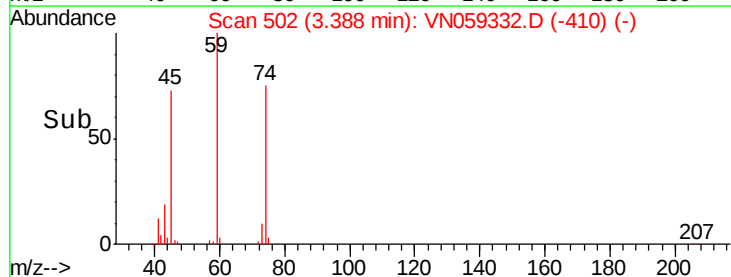
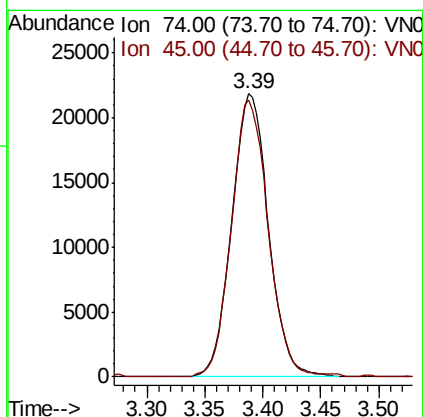
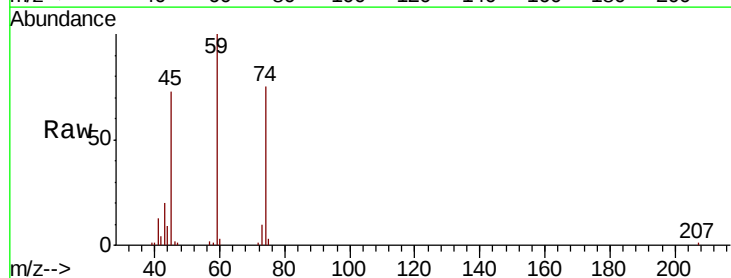
Tot Ion:101 Resp: 108466
 Ion Ratio Lower Upper
 101 100
 103 64.7 52.5 78.7

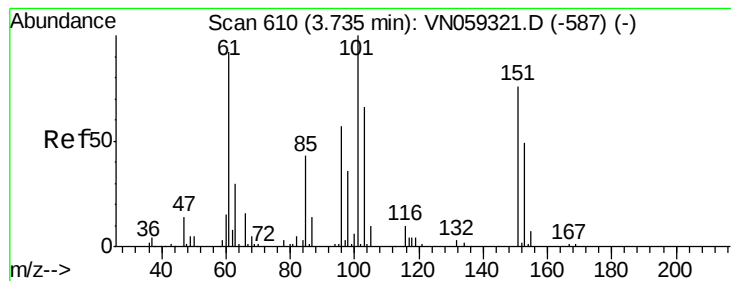


#8

Diethyl Ether
 Concen: 15.496 ug/l
 RT: 3.39 min Scan# 502
 Delta R.T. -0.00 min
 Lab File: VN059332.D
 Acq: 21 Nov 2019 14:01

Tgt Ion: 74 Resp: 47908
 Ion Ratio Lower Upper
 74 100
 45 98.5 51.7 155.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 15.111 ug/l

RT: 3.74 min Scan# 611

Delta R.T. 0.00 min

Lab File: VN059332.D

Acq: 21 Nov 2019 14:01

Instrument :

MSVOA_N

ClientSampleId :

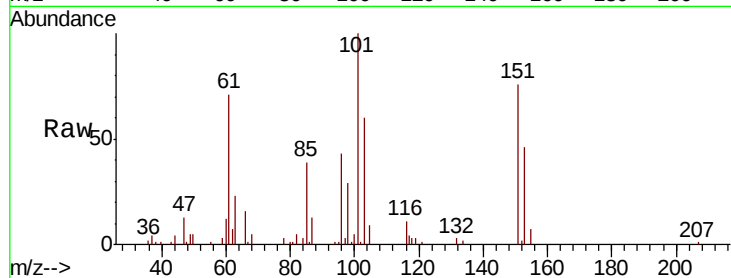
Tot Ion:101 Resp: 69876

Ion Ratio Lower Upper

101 100

85 41.2 34.8 52.2

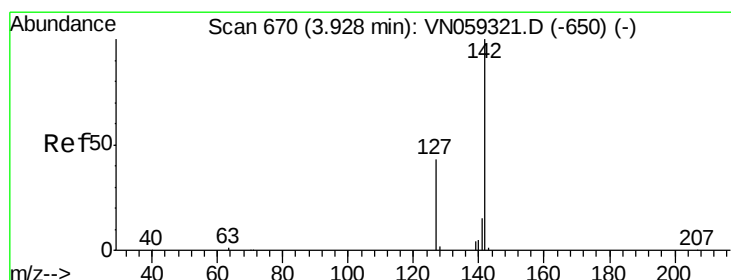
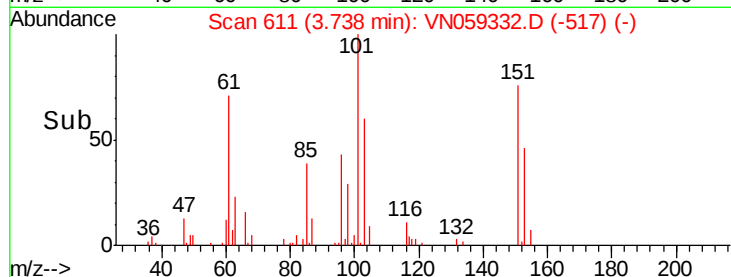
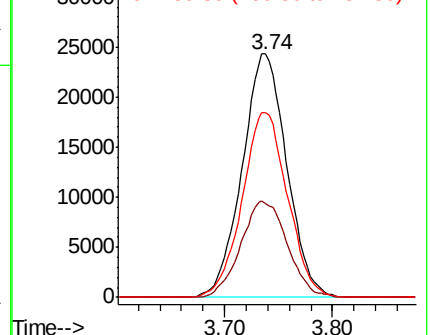
151 77.1 62.2 93.4



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 14.956 ug/l

RT: 3.93 min Scan# 670

Delta R.T. 0.00 min

Lab File: VN059332.D

Acq: 21 Nov 2019 14:01

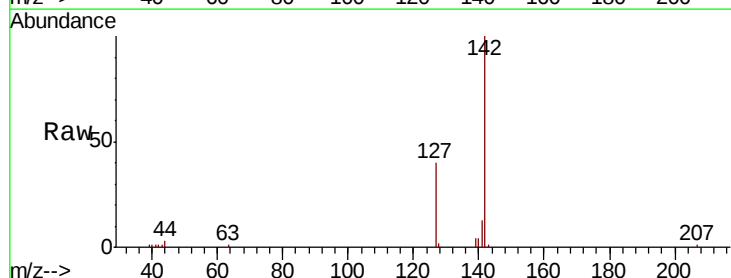
Tgt Ion:142 Resp: 85951

Ion Ratio Lower Upper

142 100

127 41.6 33.8 50.6

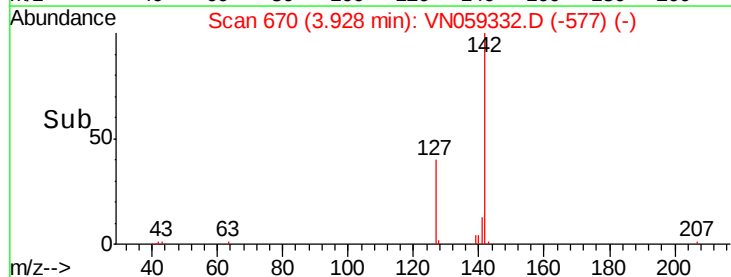
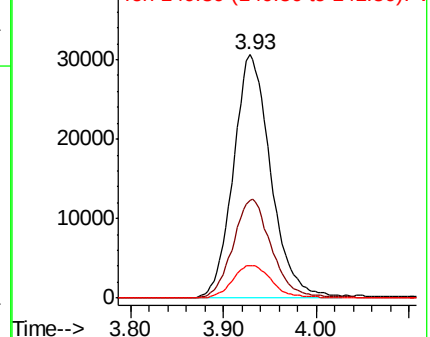
141 14.0 11.2 16.8

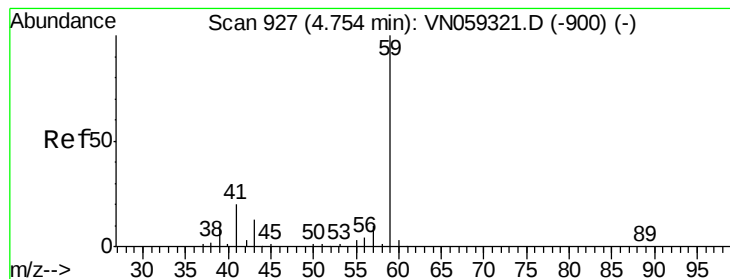


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



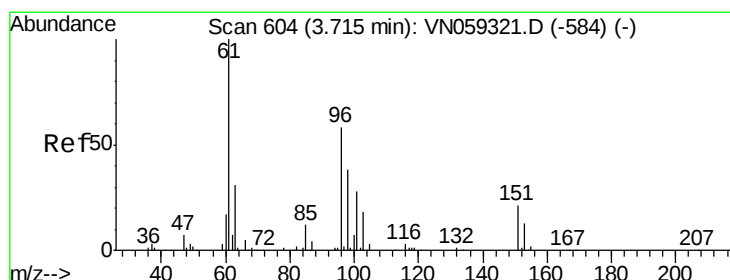
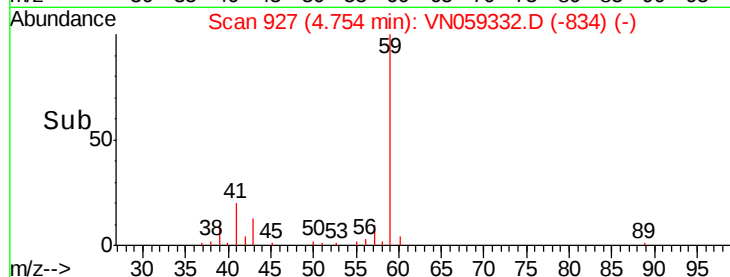
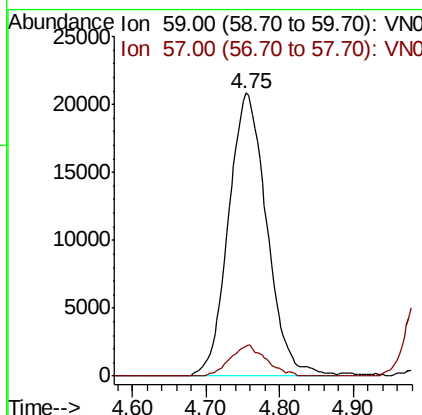
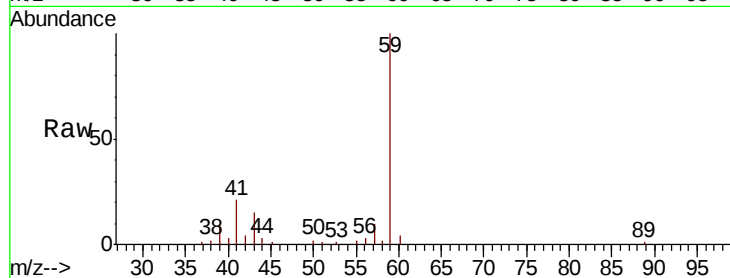


#11

Tert butyl alcohol
Concen: 72.200 ug/l
RT: 4.75 min Scan# 927
Delta R.T. 0.00 min
Lab File: VN059332.D
Acq: 21 Nov 2019 14:01

Instrument :
MSVOA_N
ClientSampleId :

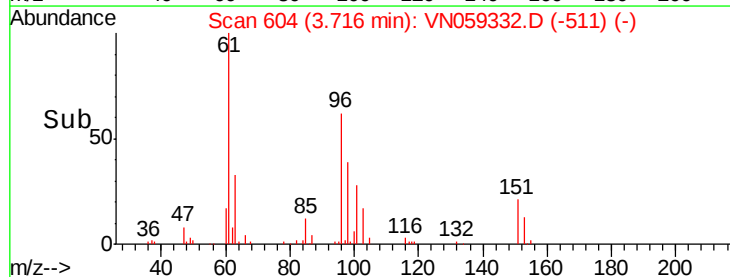
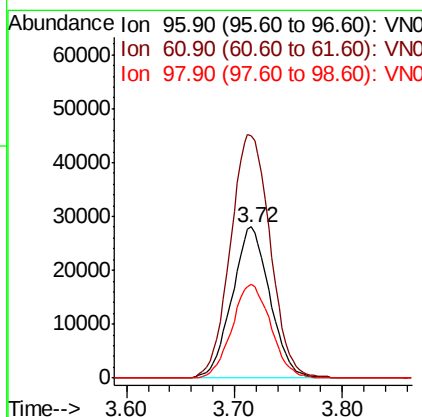
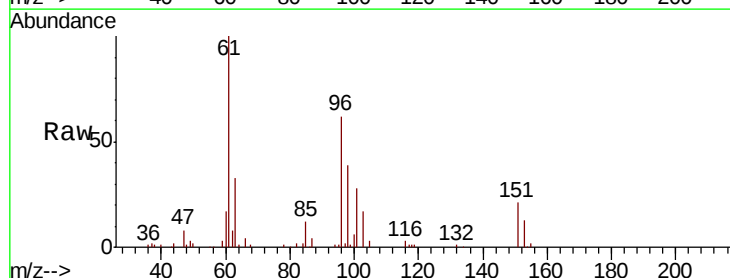
Tot Ion: 59 Resp: 75429
Ion Ratio Lower Upper
59 100
57 10.3 8.2 12.2

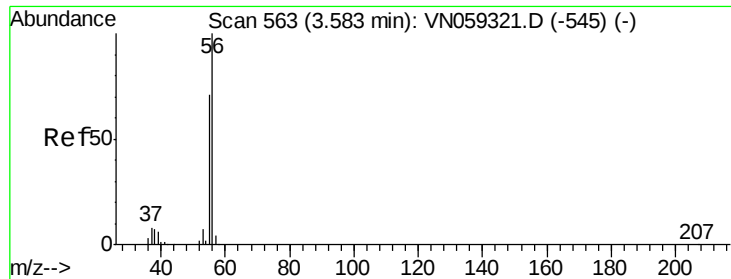


#12

1,1-Dichloroethene
Concen: 14.621 ug/l
RT: 3.72 min Scan# 604
Delta R.T. 0.00 min
Lab File: VN059332.D
Acq: 21 Nov 2019 14:01

Tgt Ion: 96 Resp: 68628
Ion Ratio Lower Upper
96 100
61 160.7 136.8 205.2
98 61.9 51.6 77.4





#13

Acrolein

Concen: 87.625 ug/l

RT: 3.58 min Scan# 563

Delta R.T. 0.00 min

Lab File: VN059332.D

Acq: 21 Nov 2019 14:01

Instrument :

MSVOA_N

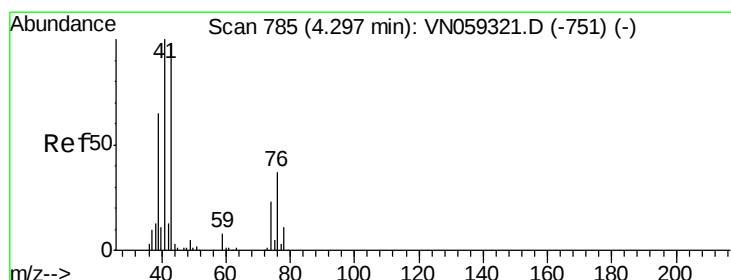
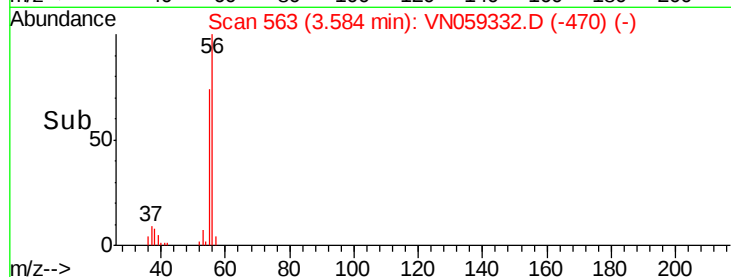
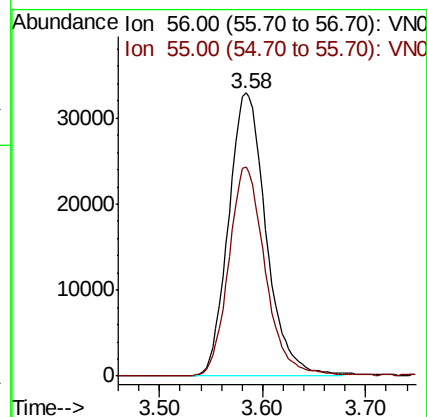
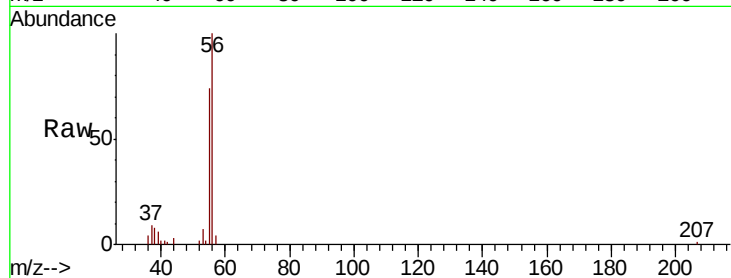
ClientSampleId :

Tot Ion: 56 Resp: 83565

Ion Ratio Lower Upper

56 100

55 72.1 57.4 86.0



#14

Allyl chloride

Concen: 14.887 ug/l

RT: 4.30 min Scan# 785

Delta R.T. 0.00 min

Lab File: VN059332.D

Acq: 21 Nov 2019 14:01

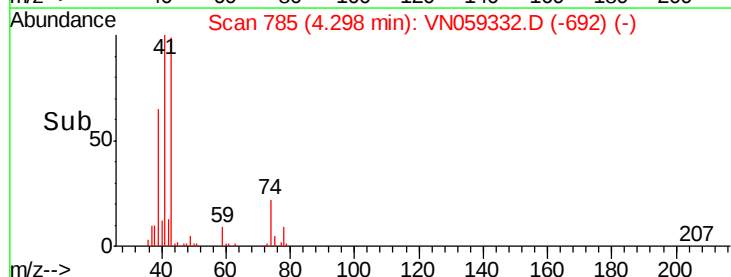
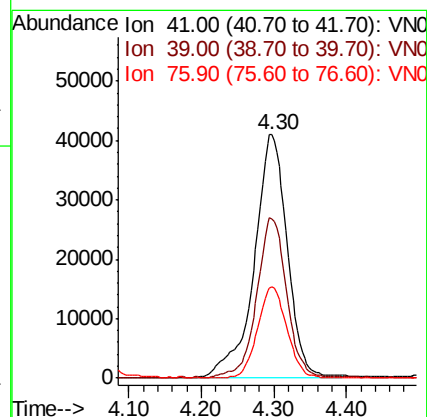
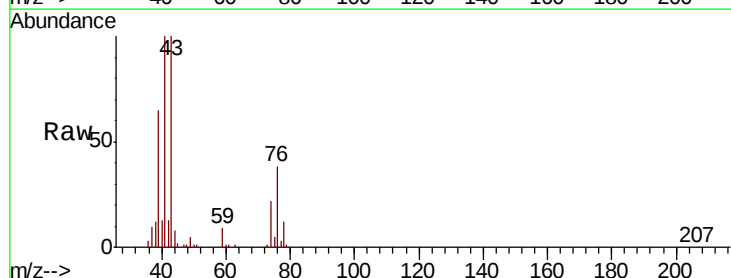
Tgt Ion: 41 Resp: 130536

Ion Ratio Lower Upper

41 100

39 60.1 48.4 72.6

76 33.1 26.2 39.4





#15

Acrylonitrile

Concen: 72.936 ug/l

RT: 4.96 min Scan# 990

Delta R.T. 0.00 min

Lab File: VN059332.D

Acq: 21 Nov 2019 14:01

Instrument :

MSVOA_N

ClientSampled :

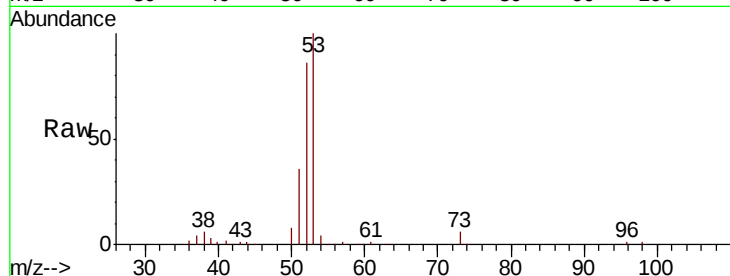
Tot Ion: 53 Resp: 201468

Ion Ratio Lower Upper

53 100

52 82.8 65.8 98.8

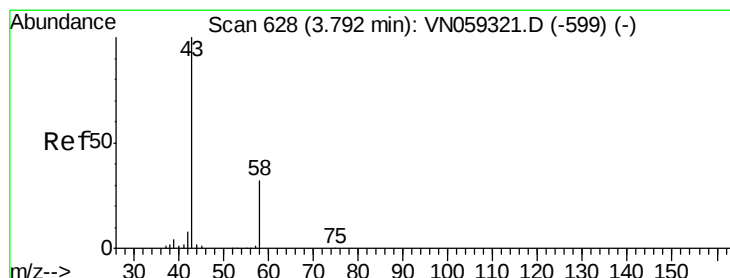
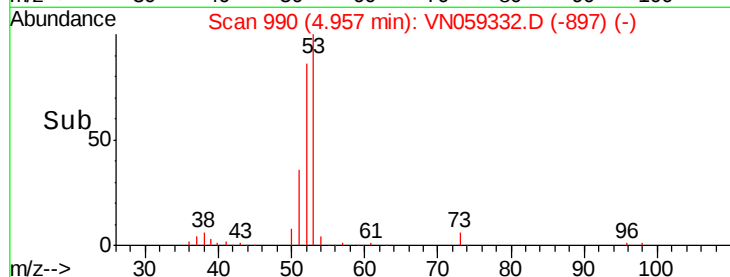
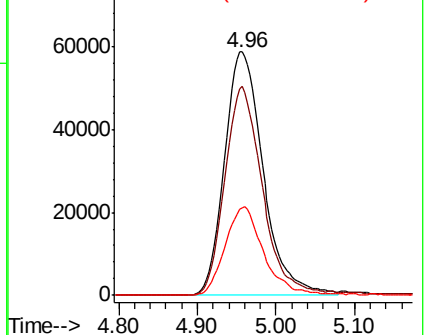
51 36.1 28.2 42.2



Abundance Ion 53.00 (52.70 to 53.70): VN059332.D (-968) (-)

Ion 52.00 (51.70 to 52.70): VN059332.D (-968) (-)

Ion 51.00 (50.70 to 51.70): VN059332.D (-968) (-)



#16

Acetone

Concen: 70.511 ug/l

RT: 3.79 min Scan# 628

Delta R.T. 0.00 min

Lab File: VN059332.D

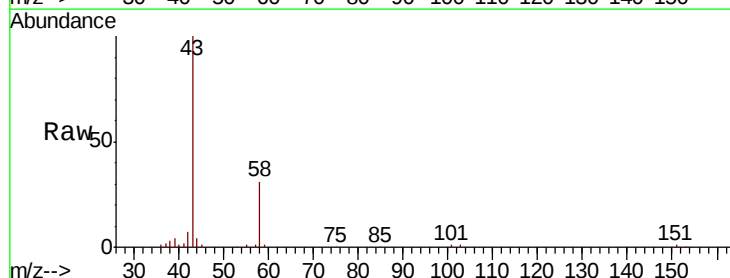
Acq: 21 Nov 2019 14:01

Tgt Ion: 43 Resp: 164973

Ion Ratio Lower Upper

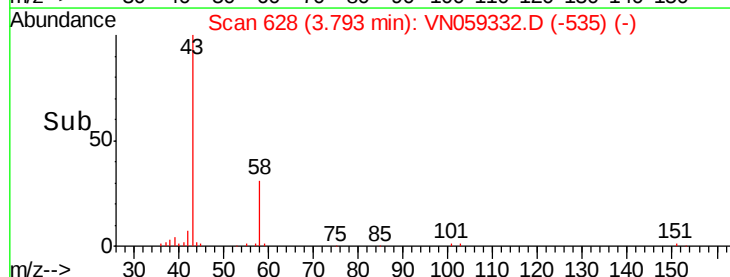
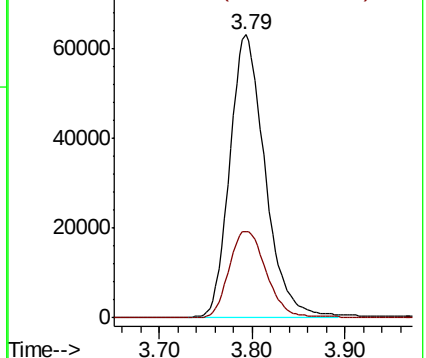
43 100

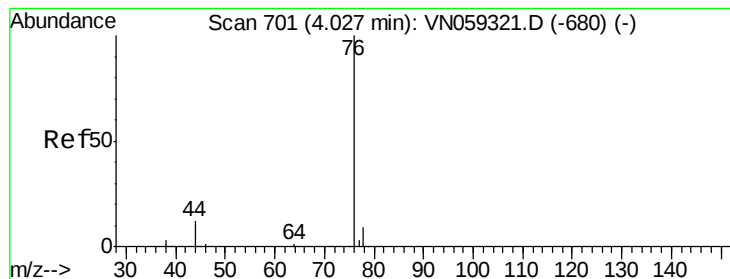
58 30.7 25.8 38.6



Abundance Ion 43.00 (42.70 to 43.70): VN059332.D (-535) (-)

Ion 58.00 (57.70 to 58.70): VN059332.D (-535) (-)





#17

Carbon Disulfide

Concen: 14.959 ug/l

RT: 4.03 min Scan# 701

Delta R.T. 0.00 min

Lab File: VN059332.D

Acq: 21 Nov 2019 14:01

Instrument :

MSVOA_N

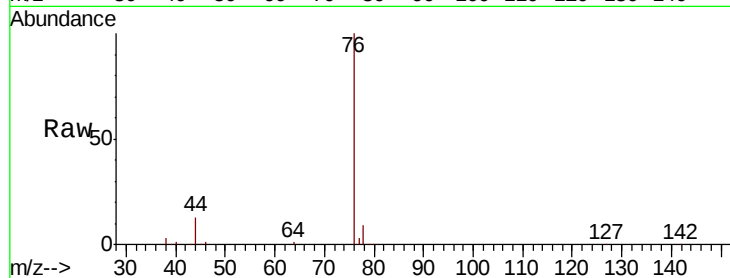
ClientSampleId :

Tot Ion: 76 Resp: 218602

Ion Ratio Lower Upper

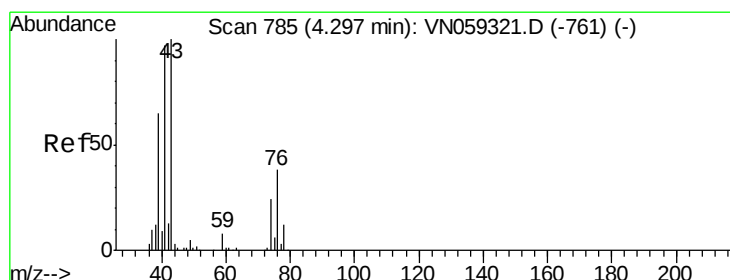
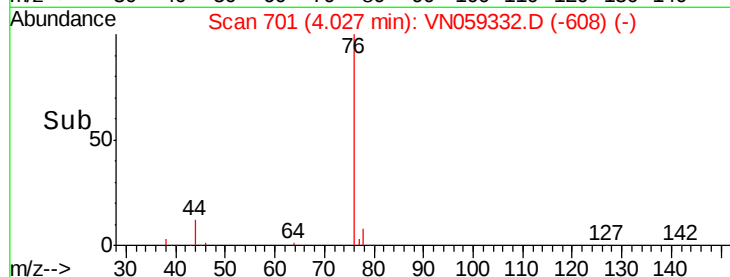
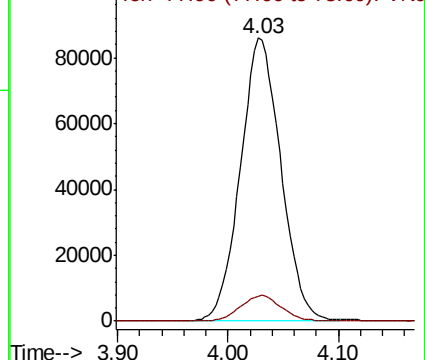
76 100

78 8.9 7.2 10.8



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 14.905 ug/l

RT: 4.30 min Scan# 785

Delta R.T. 0.00 min

Lab File: VN059332.D

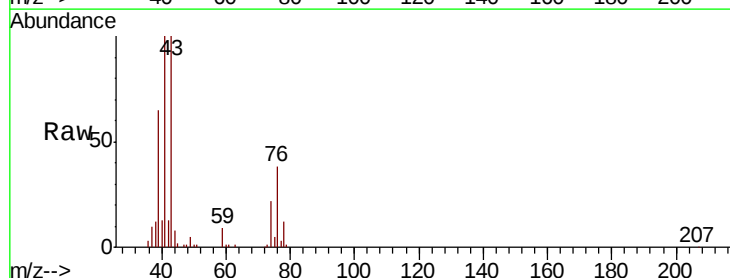
Acq: 21 Nov 2019 14:01

Tgt Ion: 43 Resp: 115731

Ion Ratio Lower Upper

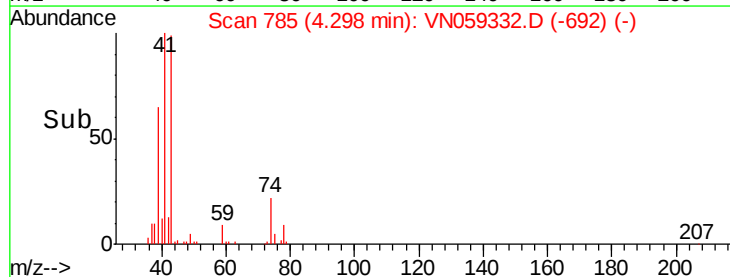
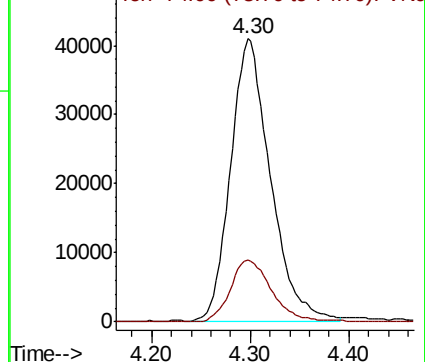
43 100

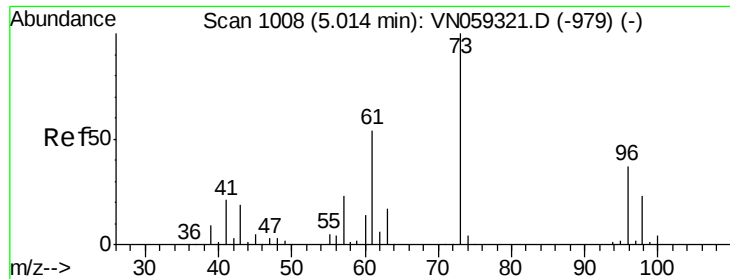
74 22.3 18.1 27.1



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

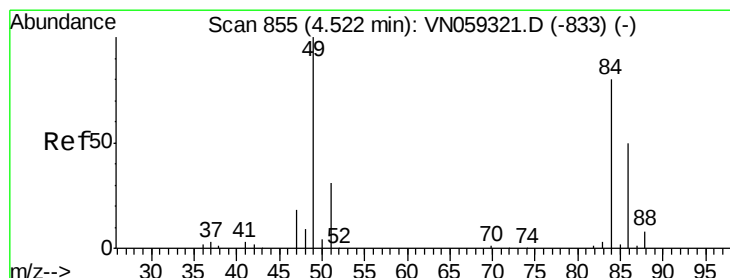
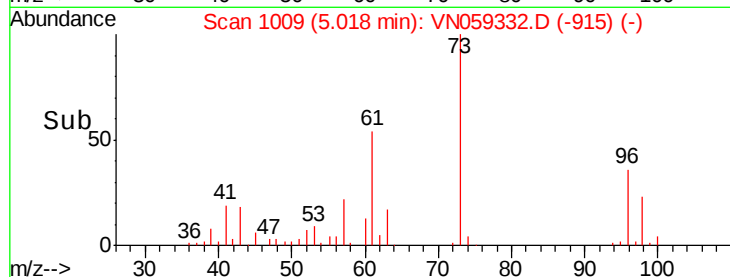
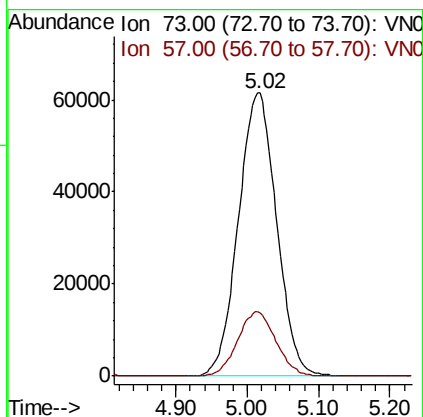
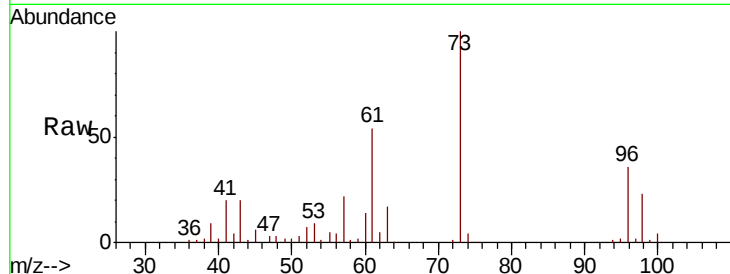




#19
Methvl tert-butvl Ether
Concen: 15.085 ug/l
RT: 5.02 min Scan# 1009
Delta R.T. 0.00 min
Lab File: VN059332.D
Acq: 21 Nov 2019 14:01

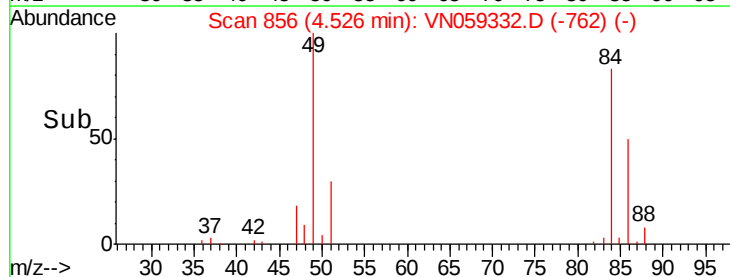
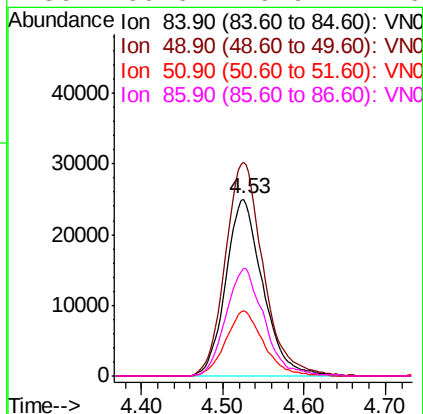
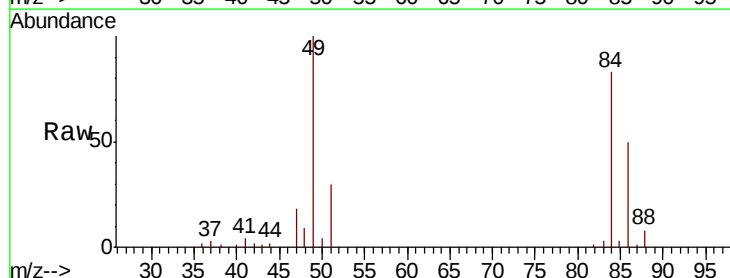
Instrument :
MSVOA_N
ClientSampleId :

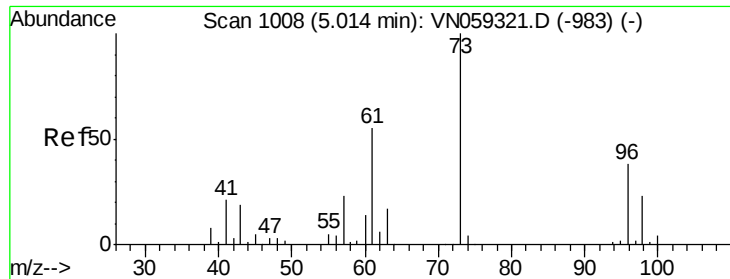
Tot Ion: 73 Resp: 228694
Ion Ratio Lower Upper
73 100
57 22.2 18.4 27.6



#20
Methylene Chloride
Concen: 15.045 ug/l
RT: 4.53 min Scan# 856
Delta R.T. 0.00 min
Lab File: VN059332.D
Acq: 21 Nov 2019 14:01

Tgt Ion: 84 Resp: 79391
Ion Ratio Lower Upper
84 100
49 120.8 99.5 149.3
51 36.8 31.1 46.7
86 60.6 49.9 74.9

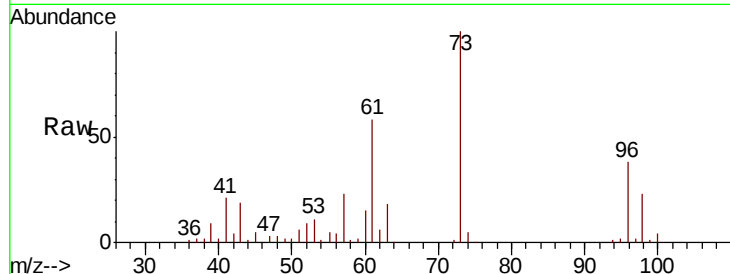




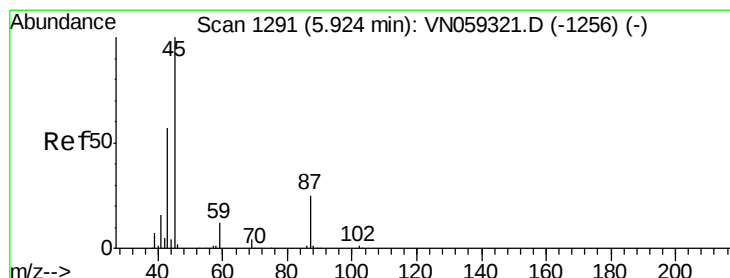
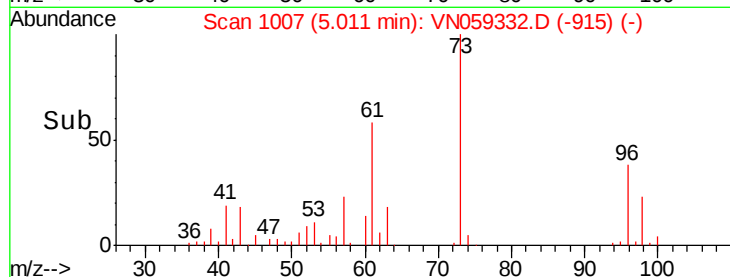
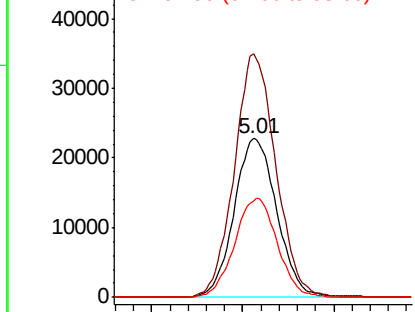
#21
trans-1,2-Dichloroethene
Concen: 14.886 ug/l
RT: 5.01 min Scan# 1007
Delta R.T. -0.00 min
Lab File: VN059332.D
Acq: 21 Nov 2019 14:01

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 96 Resp: 74053
Ion Ratio Lower Upper
96 100
61 153.2 116.4 174.6
98 60.9 49.6 74.4

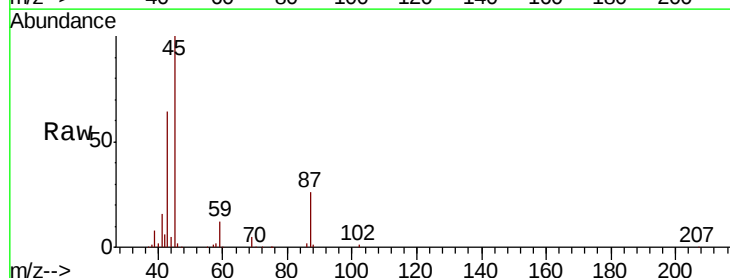


Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0

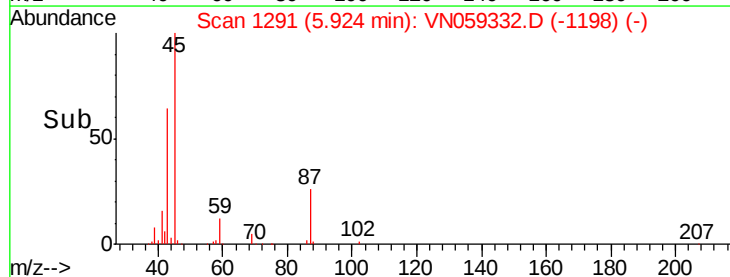
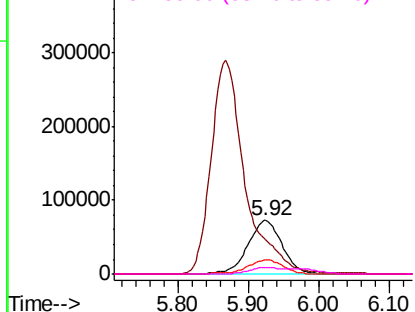


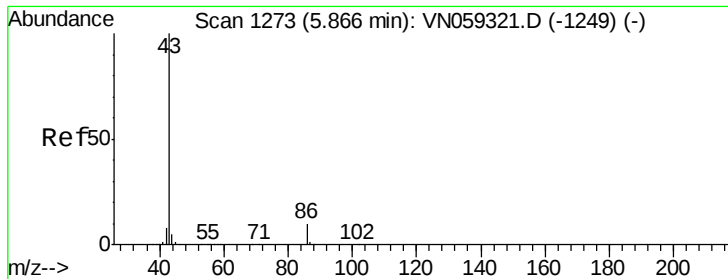
#22
Diisopropyl ether
Concen: 14.822 ug/l
RT: 5.92 min Scan# 1291
Delta R.T. 0.00 min
Lab File: VN059332.D
Acq: 21 Nov 2019 14:01

Tgt Ion: 45 Resp: 244707
Ion Ratio Lower Upper
45 100
43 61.8 47.6 71.4
87 25.8 20.7 31.1
59 12.1 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: 74.986 ug/l

RT: 5.87 min Scan# 1273

Delta R.T. 0.00 min

Lab File: VN059332.D

Acq: 21 Nov 2019 14:01

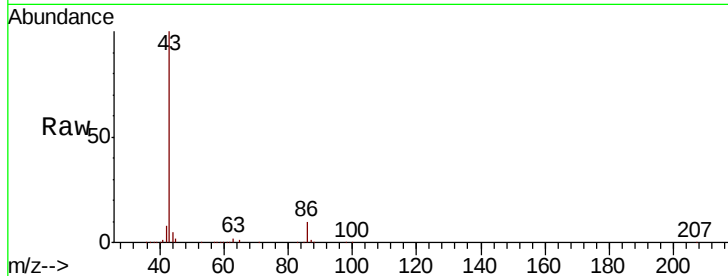
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 43 Resp: 973507

Ion Ratio Lower Upper

43 100

86 9.8 8.0 12.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

5.87

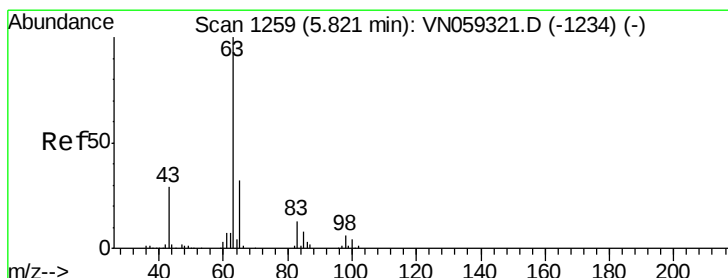
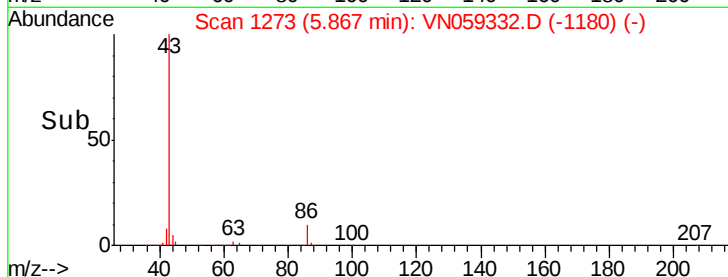
300000

200000

100000

0

Time--> 5.70 5.80 5.90 6.00 6.10



#24

1,1-Dichloroethane

Concen: 15.173 ug/l

RT: 5.82 min Scan# 1259

Delta R.T. 0.00 min

Lab File: VN059332.D

Acq: 21 Nov 2019 14:01

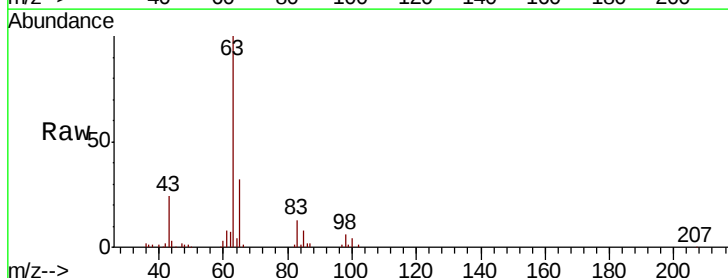
Tgt Ion: 63 Resp: 140998

Ion Ratio Lower Upper

63 100

98 6.1 2.9 8.8

100 3.9 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

5.82

60000

50000

40000

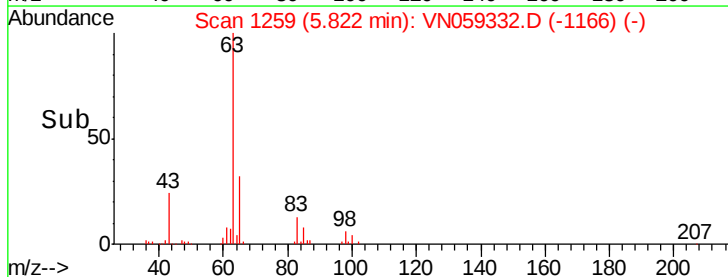
30000

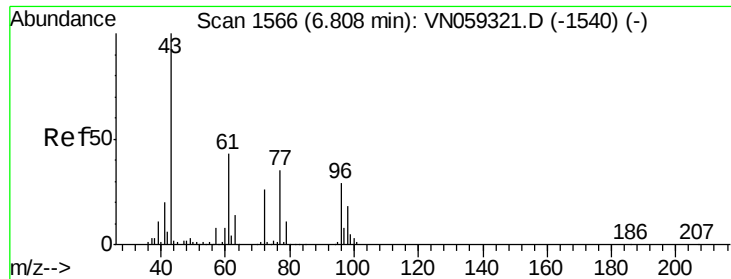
20000

10000

0

Time--> 5.70 5.80 5.90





#25

2-Butanone

Concen: 72.171 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VN059332.D

Acq: 21 Nov 2019 14:01

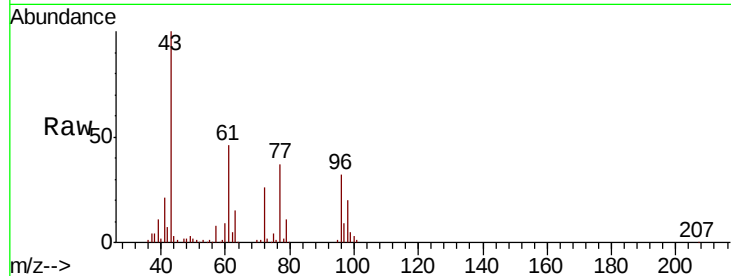
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 262571

Ion Ratio Lower Upper

43 100

72 25.9 20.5 30.7



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

6.81

100000

80000

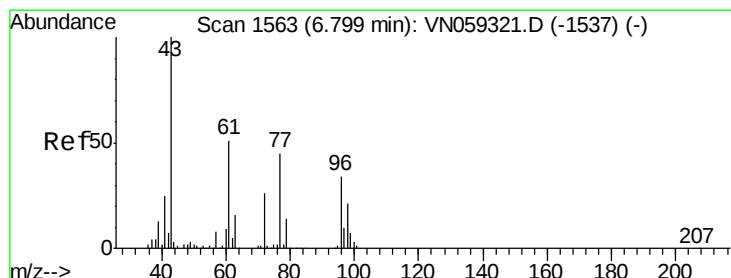
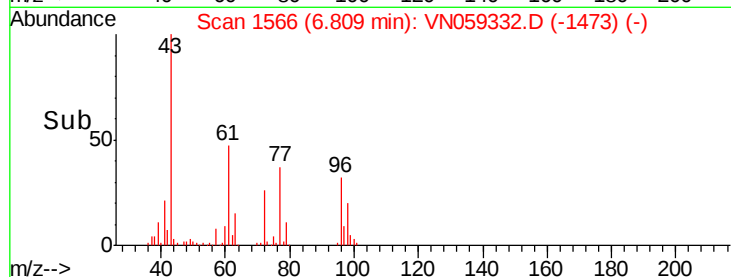
60000

40000

20000

0

Time--> 6.70 6.75 6.80 6.85 6.90



#26

2,2-Dichloropropane

Concen: 14.709 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VN059332.D

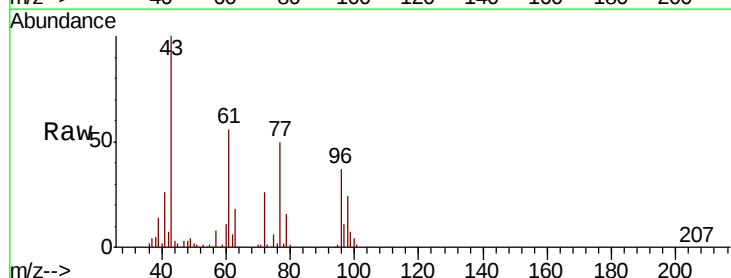
Acq: 21 Nov 2019 14:01

Tgt Ion: 77 Resp: 118356

Ion Ratio Lower Upper

77 100

97 22.6 11.5 34.4



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0

6.80

40000

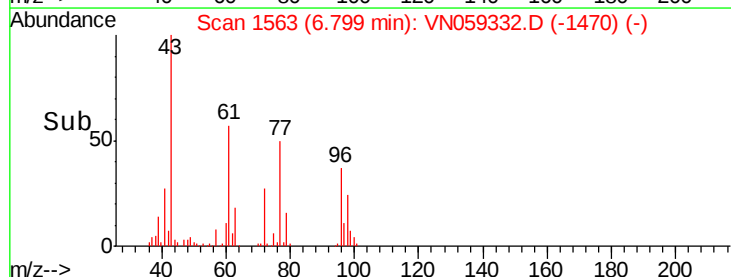
30000

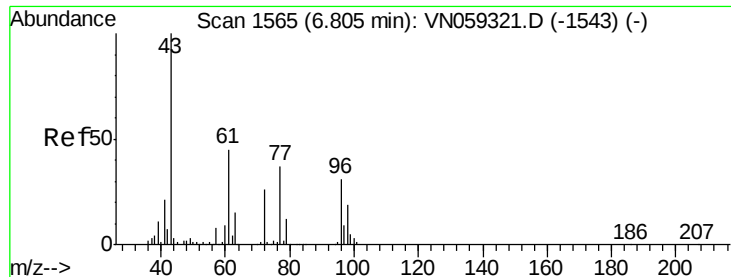
20000

10000

0

Time--> 6.70 6.80 6.90





#27

cis-1,2-Dichloroethene

Concen: 14.697 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. 0.00 min

Lab File: VN059332.D

Acq: 21 Nov 2019 14:01

Instrument :
MSVOA_N
ClientSampleId :

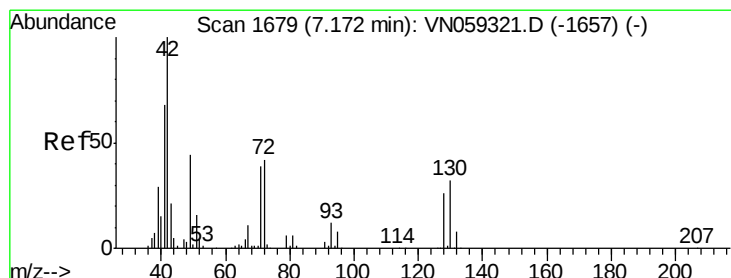
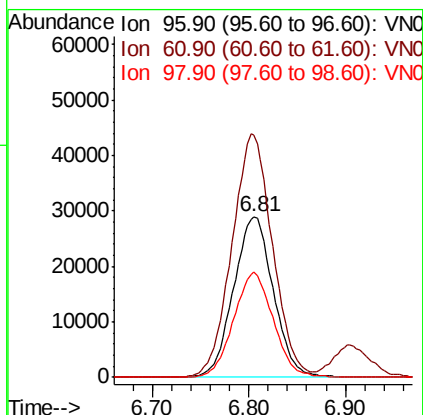
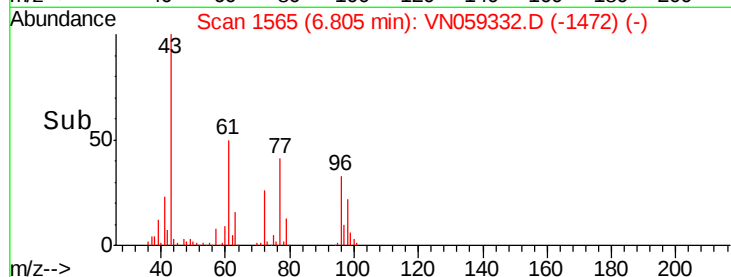
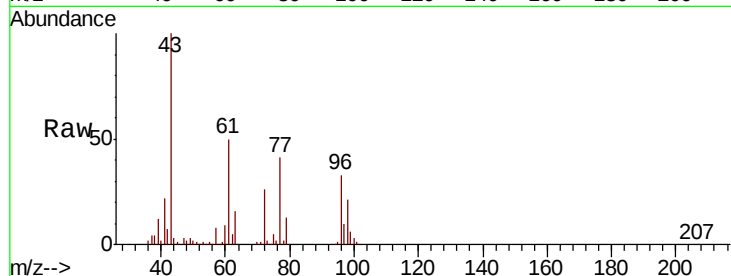
Tot Ion: 96 Resp: 82486

Ion Ratio Lower Upper

96 100

61 154.6 0.0 304.0

98 65.3 0.0 128.4



#28

Bromochloromethane

Concen: 17.530 ug/l

RT: 7.18 min Scan# 1680

Delta R.T. 0.00 min

Lab File: VN059332.D

Acq: 21 Nov 2019 14:01

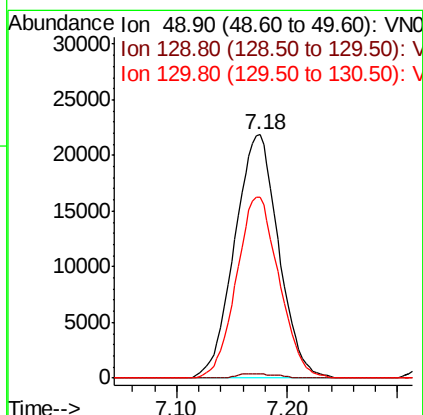
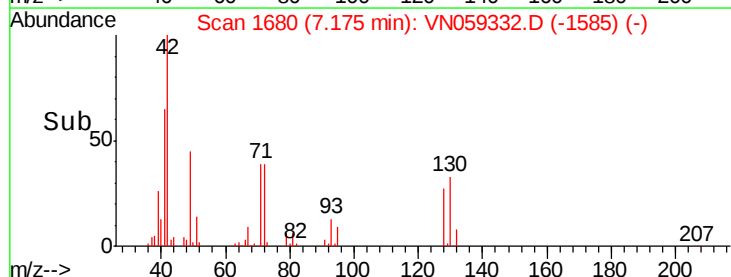
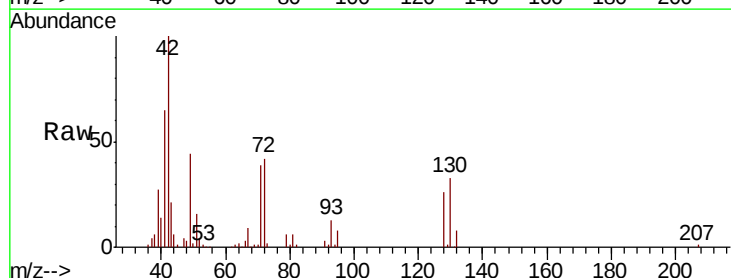
Tgt Ion: 49 Resp: 60289

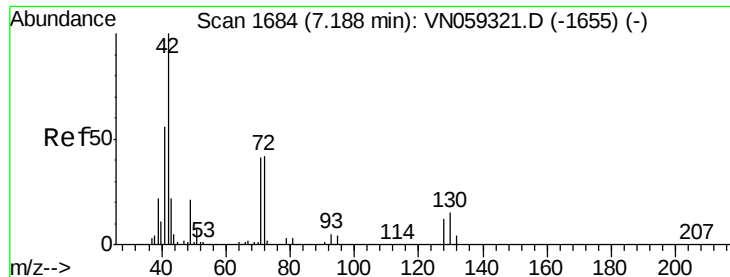
Ion Ratio Lower Upper

49 100

129 1.5 0.0 3.8

130 72.4 57.0 85.6

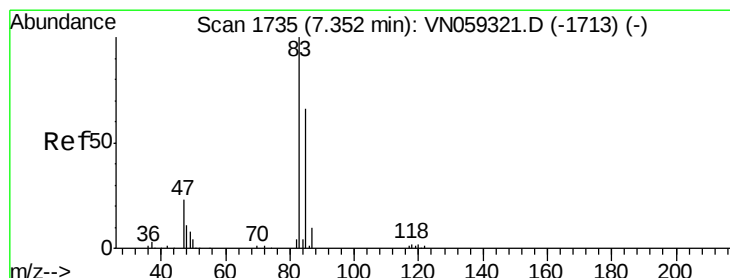
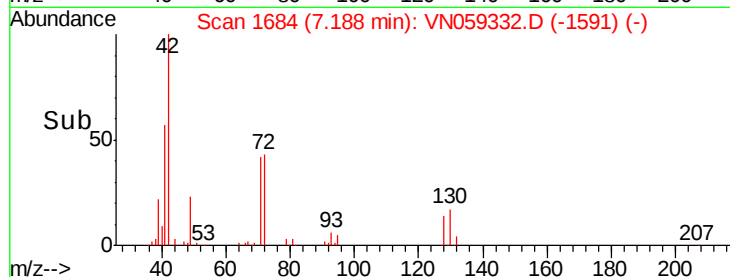
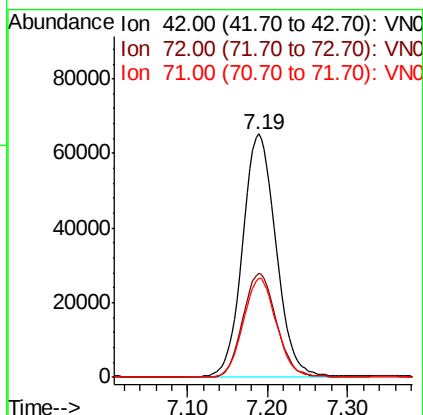
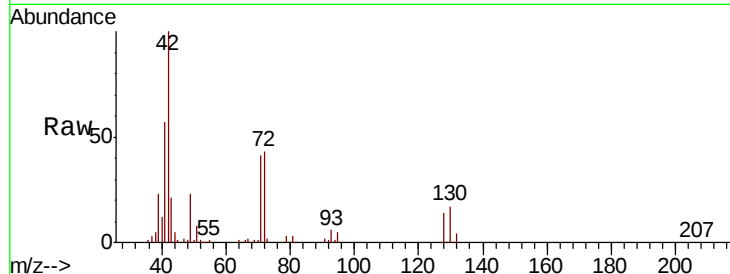




#29
Tetrahydrofuran
Concen: 73.845 ug/l
RT: 7.19 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VN059332.D
Acq: 21 Nov 2019 14:01

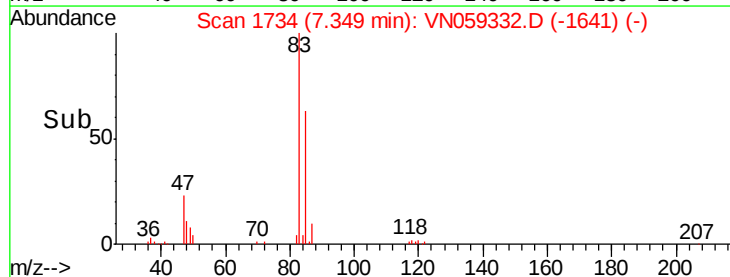
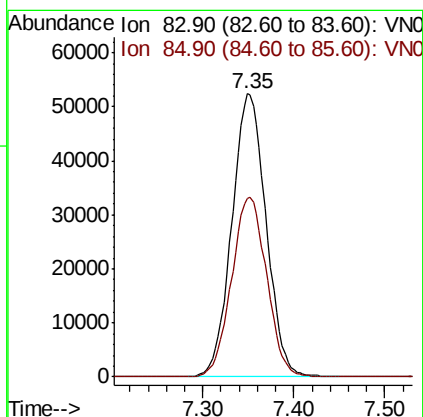
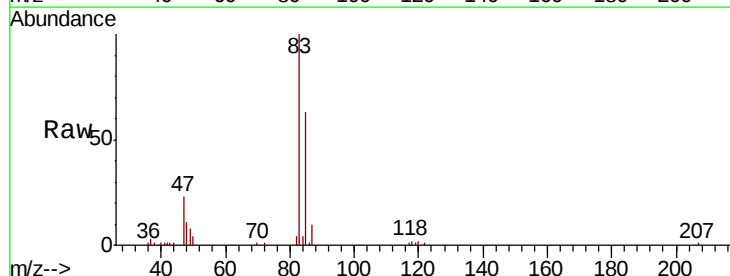
Instrument :
MSVOA_N
ClientSampled :

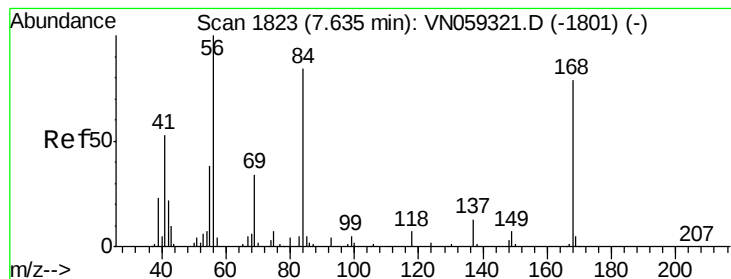
Tot Ion	Ratio	Lower	Upper
42	100		
72	42.5	34.2	51.2
71	40.2	32.6	48.8



#30
Chloroform
Concen: 15.082 ug/l
RT: 7.35 min Scan# 1734
Delta R.T. -0.00 min
Lab File: VN059332.D
Acq: 21 Nov 2019 14:01

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.2	52.7	79.1





#31

Cyclohexane

Concen: 14.575 ug/l

RT: 7.64 min Scan# 1823

Delta R.T. 0.00 min

Lab File: VN059332.D

Acq: 21 Nov 2019 14:01

Instrument :
MSVOA_N
ClientSampleId :

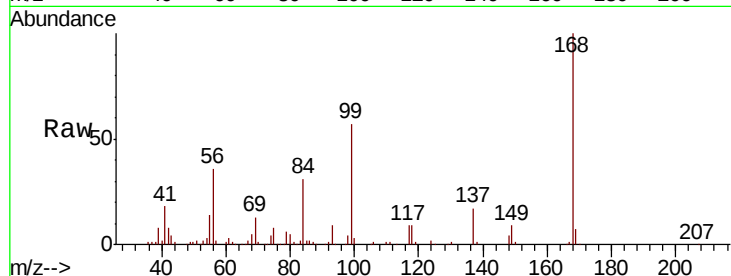
Tot Ion: 56 Resp: 133911

Ion Ratio Lower Upper

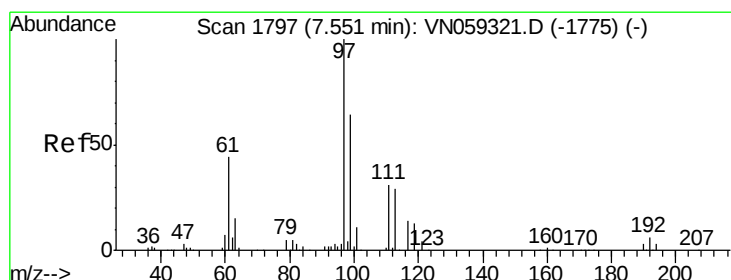
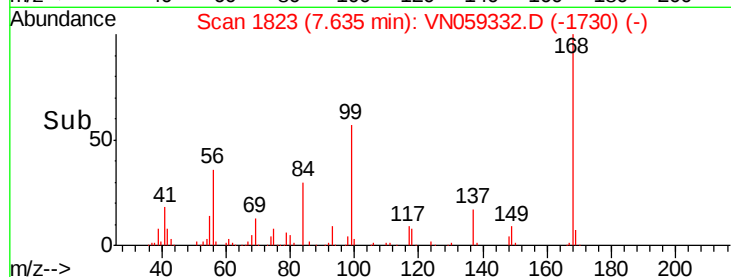
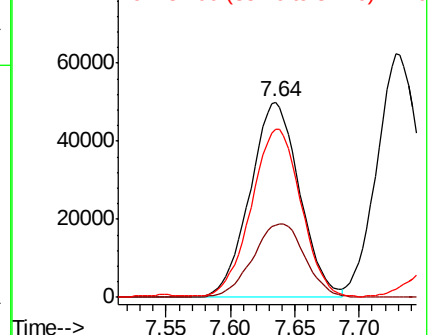
56 100

69 37.0 26.6 40.0

84 85.1 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: 14.734 ug/l

RT: 7.55 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VN059332.D

Acq: 21 Nov 2019 14:01

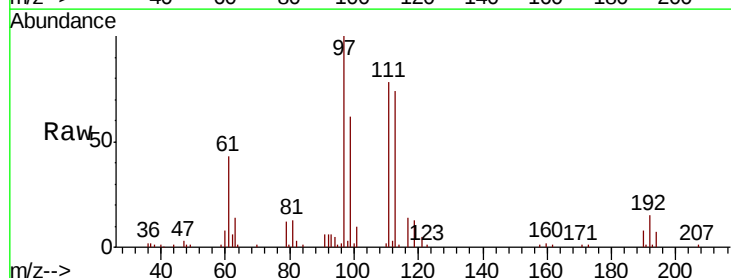
Tgt Ion: 97 Resp: 114157

Ion Ratio Lower Upper

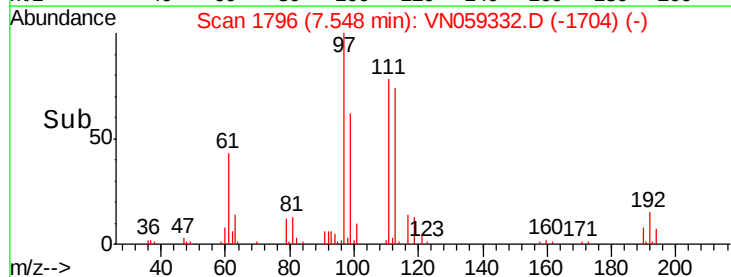
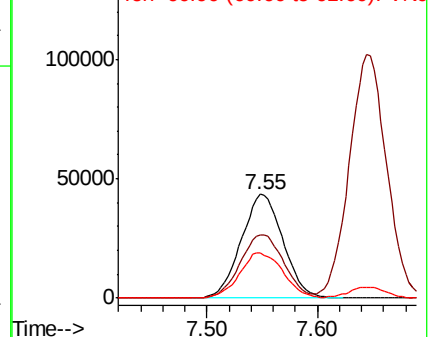
97 100

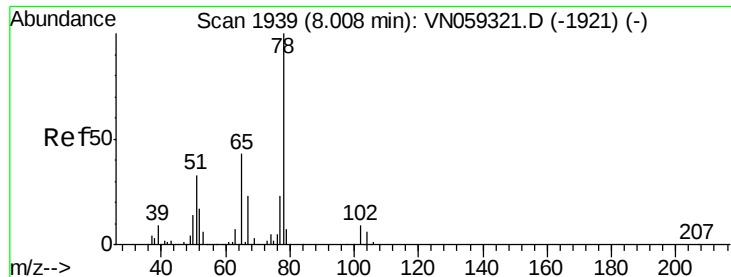
99 63.8 51.3 76.9

61 44.9 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

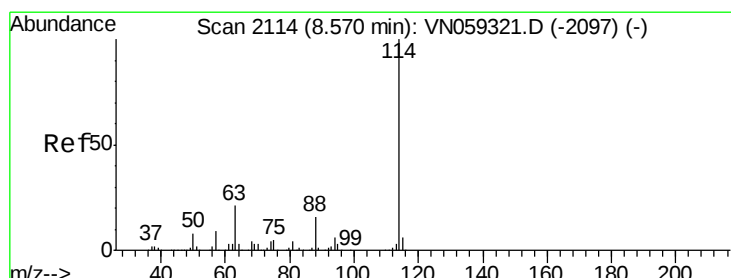
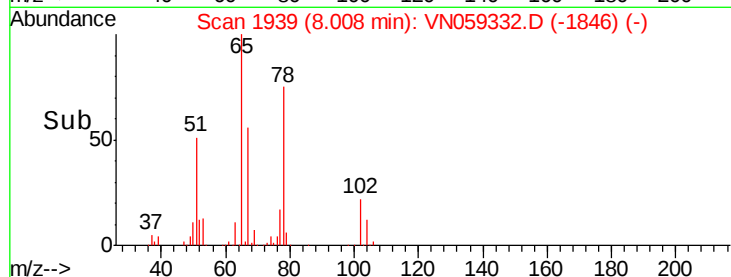
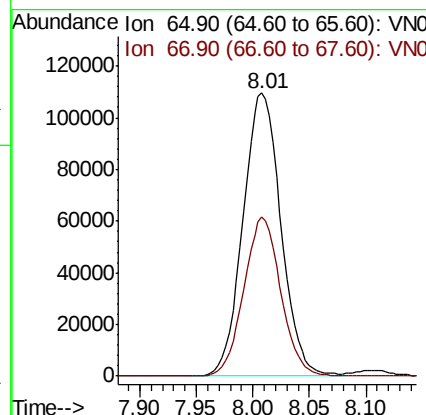
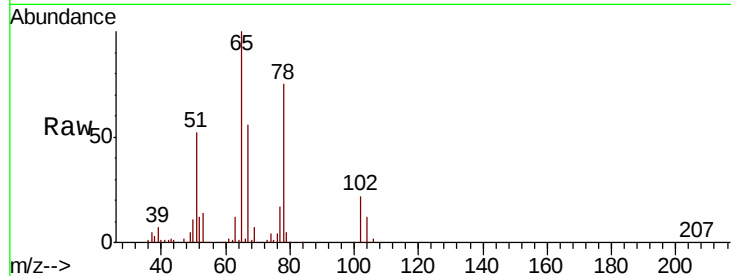




#33
 1,2-Dichloroethane-d4
 Concen: 49.038 ug/l
 RT: 8.01 min Scan# 1939
 Delta R.T. 0.00 min
 Lab File: VN059332.D
 Acq: 21 Nov 2019 14:01

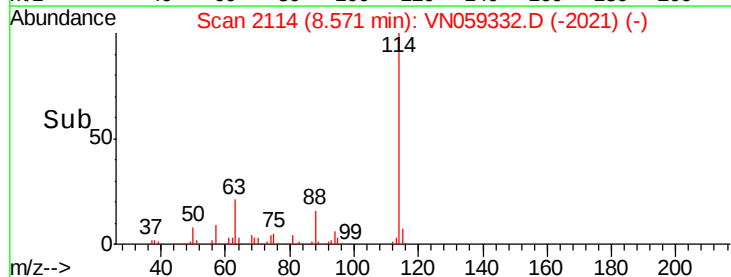
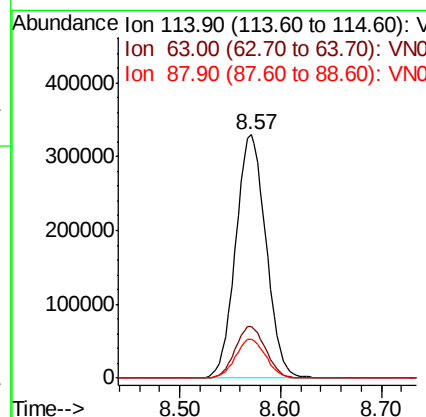
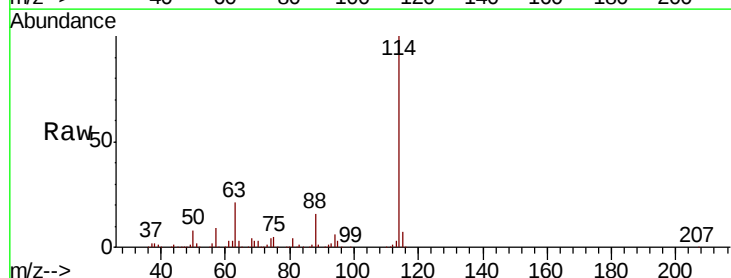
Instrument :
 MSVOA_N
 ClientSampleId :

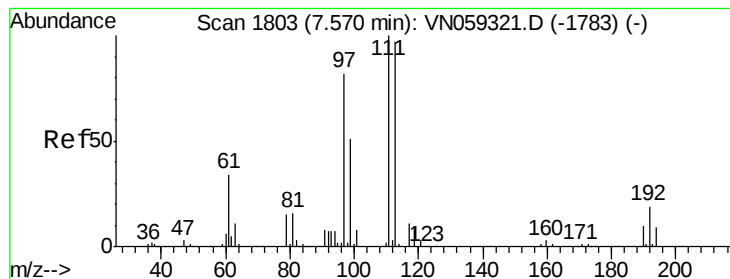
Tot Ion: 65 Resp: 255882
 Ion Ratio Lower Upper
 65 100
 67 54.7 0.0 109.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2114
 Delta R.T. 0.00 min
 Lab File: VN059332.D
 Acq: 21 Nov 2019 14:01

Tgt Ion: 114 Resp: 689238
 Ion Ratio Lower Upper
 114 100
 63 21.2 0.0 42.2
 88 16.0 0.0 32.2





#35

Dibromofluoromethane

Concen: 49.410 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VN059332.D

Acq: 21 Nov 2019 14:01

Instrument :

MSVOA_N

ClientSampleId :

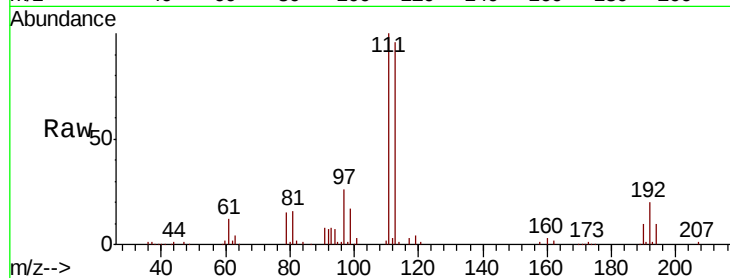
Tot Ion:113 Resp: 204314

Ion Ratio Lower Upper

113 100

111 102.5 82.7 124.1

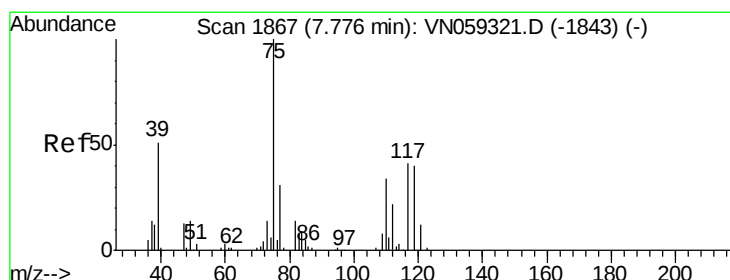
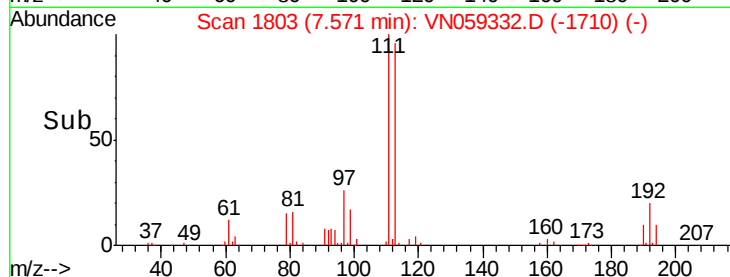
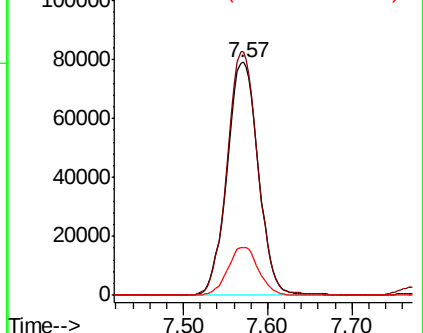
192 20.3 16.3 24.5



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 14.717 ug/l

RT: 7.77 min Scan# 1866

Delta R.T. -0.00 min

Lab File: VN059332.D

Acq: 21 Nov 2019 14:01

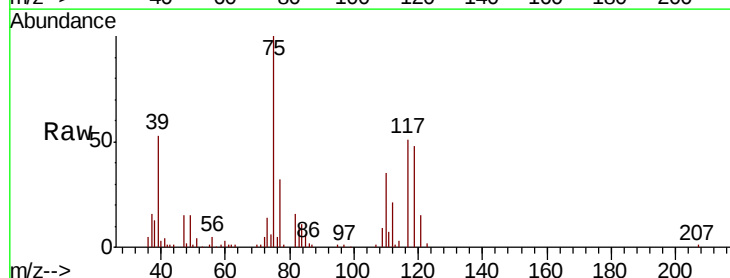
Tgt Ion: 75 Resp: 104715

Ion Ratio Lower Upper

75 100

110 34.5 17.0 51.0

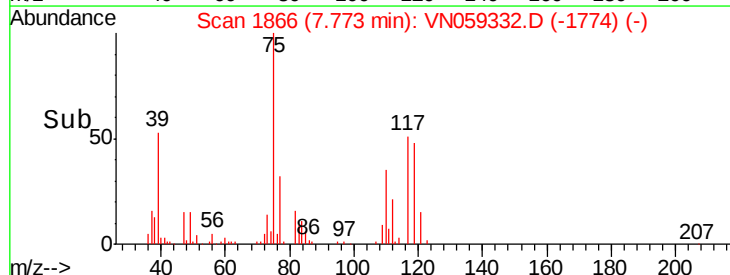
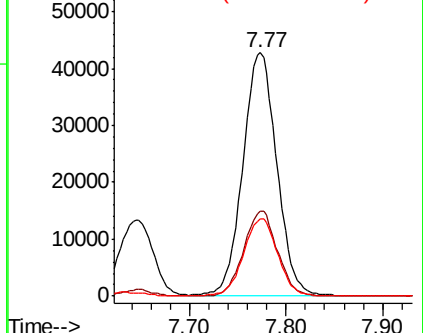
77 31.9 24.8 37.2

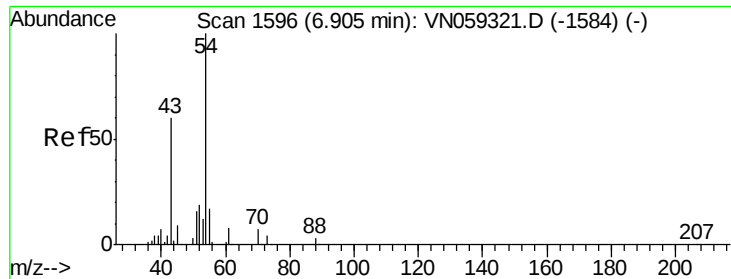


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

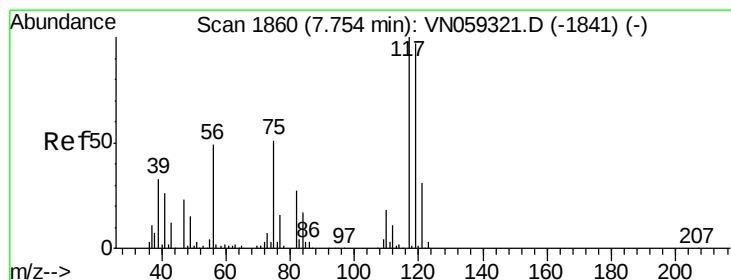
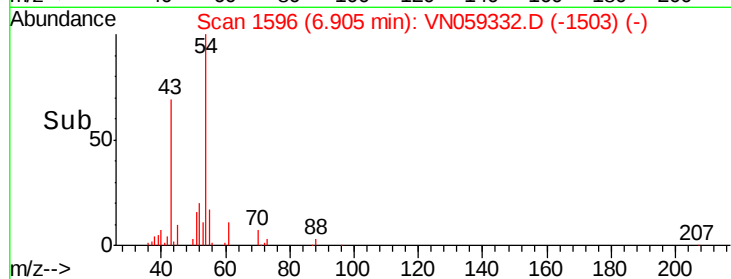
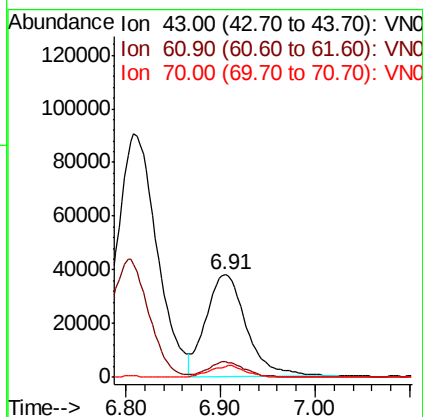
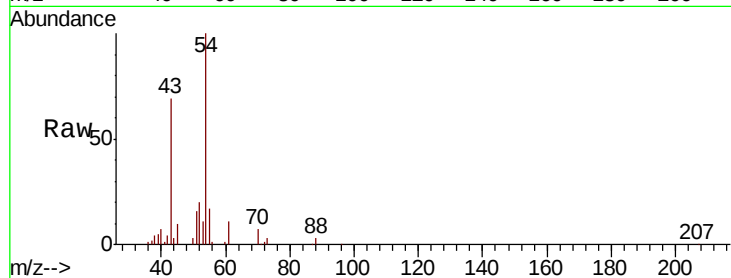




#37
Ethyl Acetate
Concen: 14.620 ug/l
RT: 6.91 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VN059332.D
Acq: 21 Nov 2019 14:01

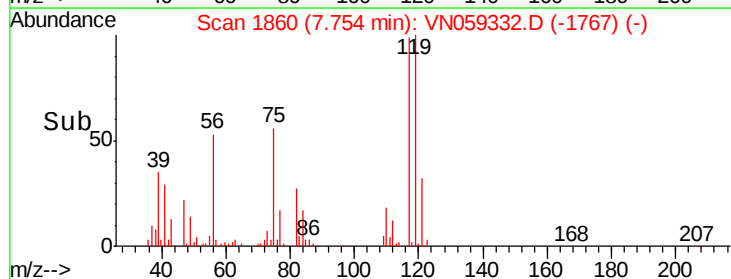
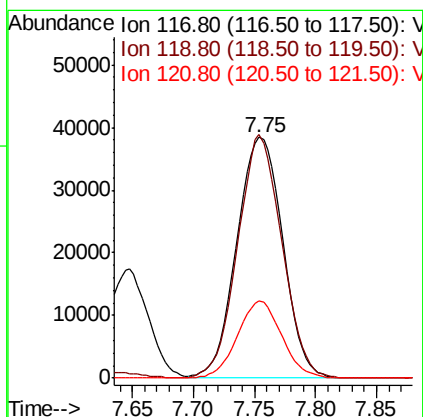
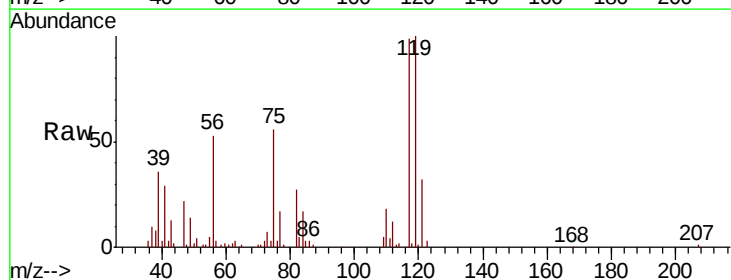
Instrument :
MSVOA_N
ClientSampled :

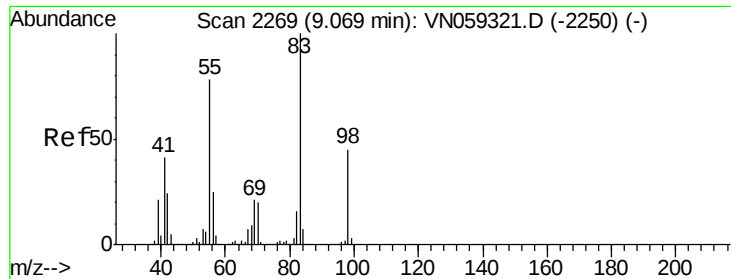
Tot Ion: 43 Resp: 111800
Ion Ratio Lower Upper
43 100
61 14.4 11.0 16.6
70 10.3 8.8 13.2



#38
Carbon Tetrachloride
Concen: 14.779 ug/l
RT: 7.75 min Scan# 1860
Delta R.T. 0.00 min
Lab File: VN059332.D
Acq: 21 Nov 2019 14:01

Tgt Ion: 117 Resp: 100667
Ion Ratio Lower Upper
117 100
119 101.2 77.0 115.4
121 32.0 24.4 36.6

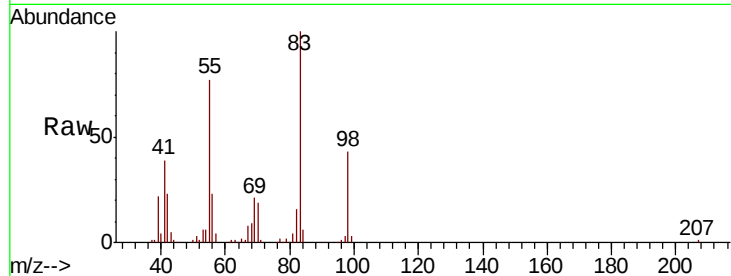




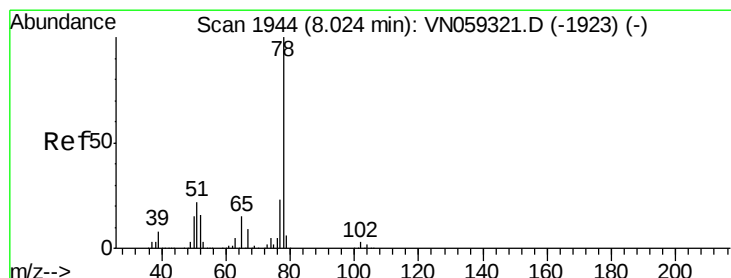
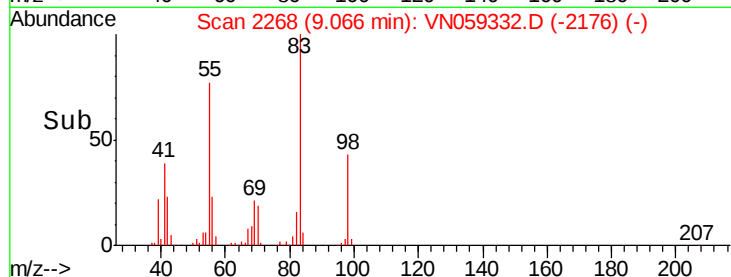
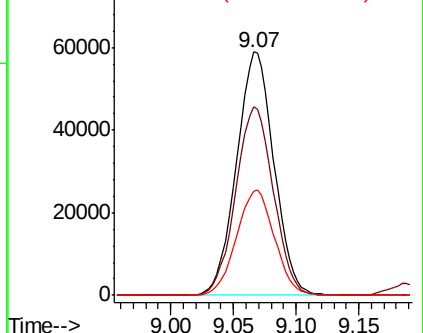
#39
Methvlcvclohexane
Concen: 14.246 ug/l
RT: 9.07 min Scan# 2268
Delta R.T. -0.00 min
Lab File: VN059332.D
Acq: 21 Nov 2019 14:01

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
83	100		
55	77.3	62.3	93.5
98	42.8	36.0	54.0

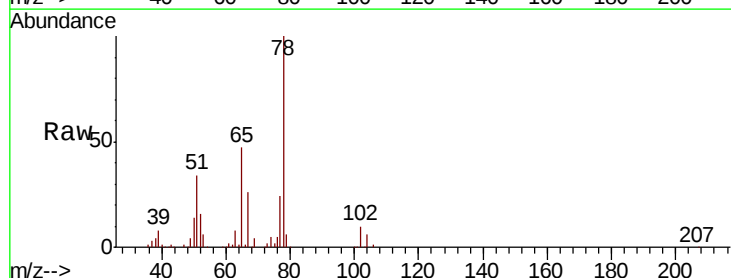


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

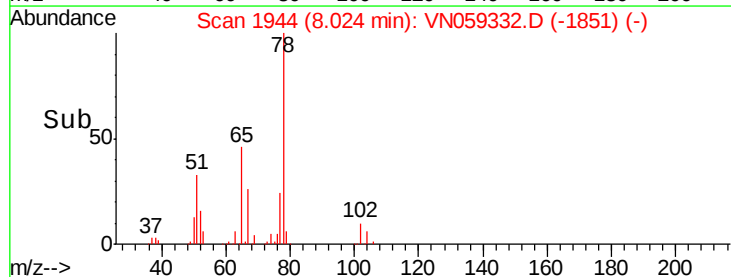
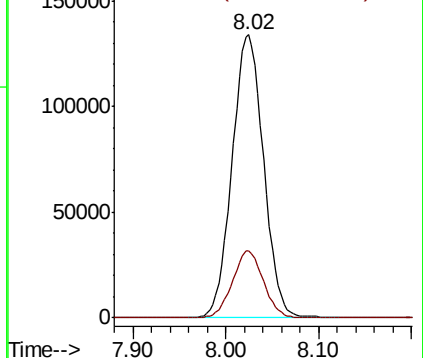


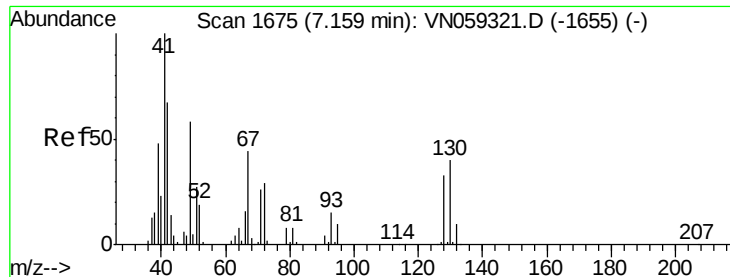
#40
Benzene
Concen: 15.102 ug/l
RT: 8.02 min Scan# 1944
Delta R.T. 0.00 min
Lab File: VN059332.D
Acq: 21 Nov 2019 14:01

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.8	18.4	27.6



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





#41

Methacrylonitrile

Concen: 13.579 ug/l

RT: 7.15 min Scan# 1672

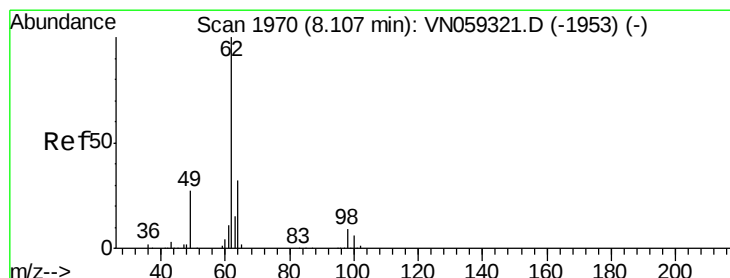
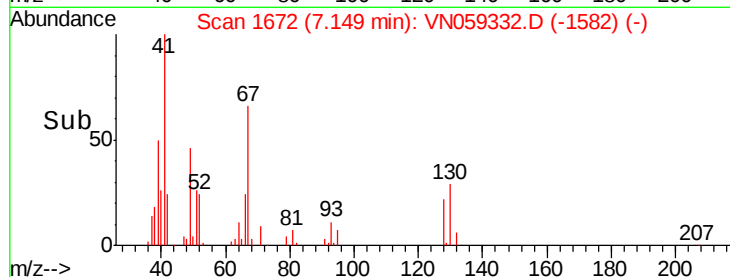
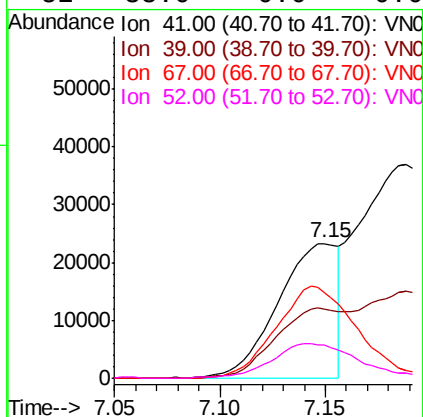
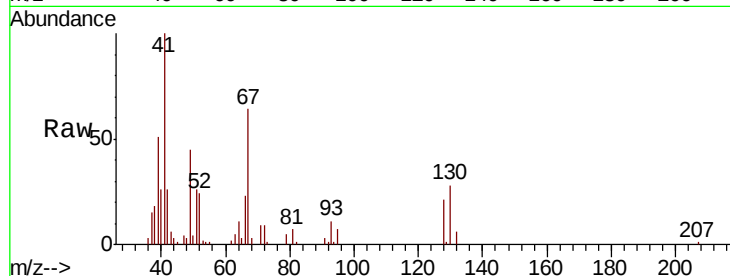
Delta R.T. -0.01 min

Lab File: VN059332.D

Acq: 21 Nov 2019 14:01

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:	41	Resp:	46096
Ion	Ratio	Lower	Upper
41	100		
39	58.3	0.0	0.0#
67	93.5	0.0	0.0#
52	38.0	0.0	0.0#



#42

1,2-Dichloroethane

Concen: 14.860 ug/l

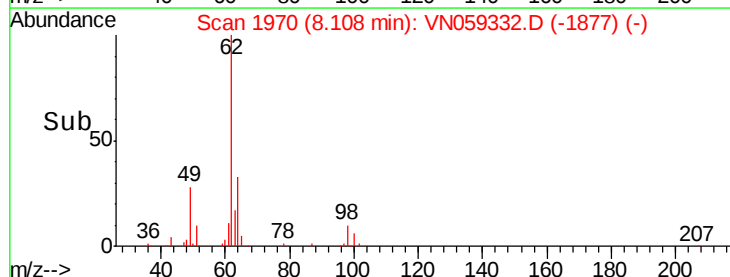
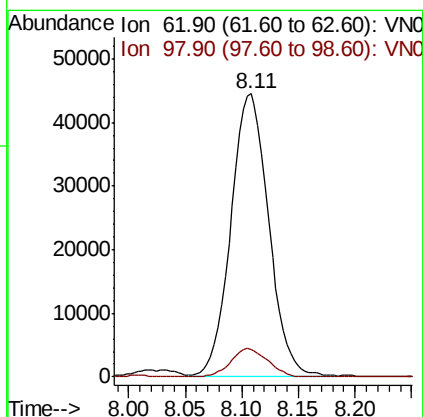
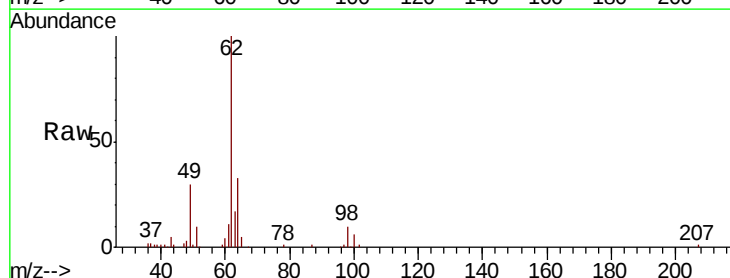
RT: 8.11 min Scan# 1970

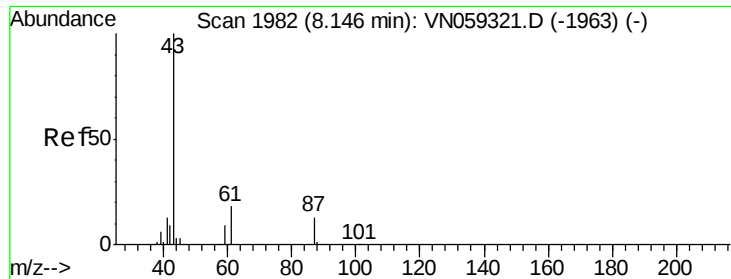
Delta R.T. 0.00 min

Lab File: VN059332.D

Acq: 21 Nov 2019 14:01

Tgt Ion:	62	Resp:	102633
Ion	Ratio	Lower	Upper
62	100		
98	9.8	0.0	18.6





#43

Isopropyl Acetate

Concen: 14.418 ug/l

RT: 8.15 min Scan# 1982

Delta R.T. 0.00 min

Lab File: VN059332.D

Acq: 21 Nov 2019 14:01

Instrument :

MSVOA_N

ClientSampleId :

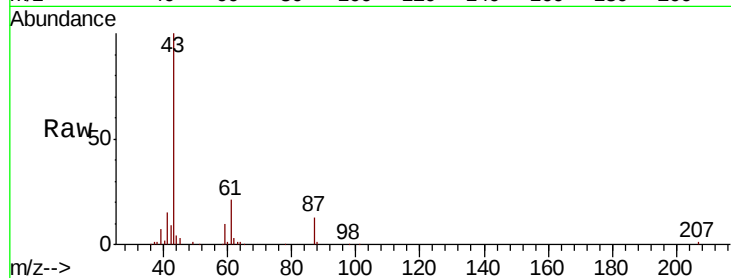
Tot Ion: 43 Resp: 168495

Ion Ratio Lower Upper

43 100

61 27.3 21.7 32.5

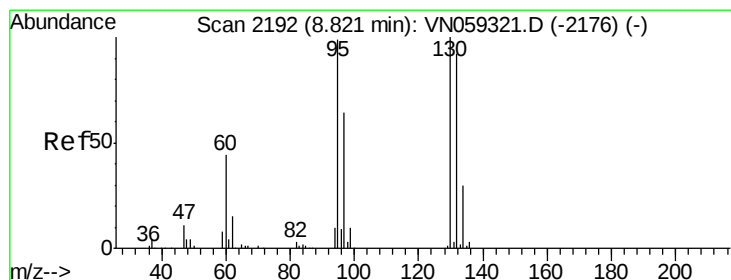
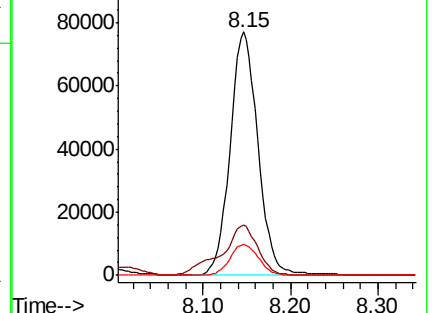
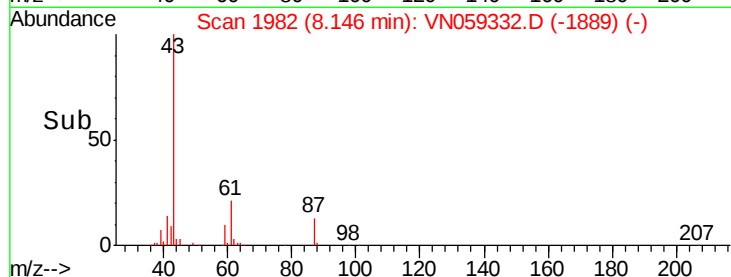
87 13.1 10.2 15.4



Abundance Ion 43.00 (42.70 to 43.70): VN059332.D (-1963) (-)

Ion 61.00 (60.70 to 61.70): VN059332.D (-1963) (-)

Ion 87.00 (86.70 to 87.70): VN059332.D (-1963) (-)



#44

Trichloroethene

Concen: 14.773 ug/l

RT: 8.82 min Scan# 2192

Delta R.T. 0.00 min

Lab File: VN059332.D

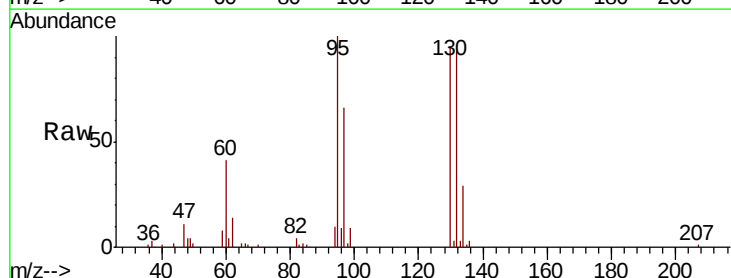
Acq: 21 Nov 2019 14:01

Tgt Ion:130 Resp: 78191

Ion Ratio Lower Upper

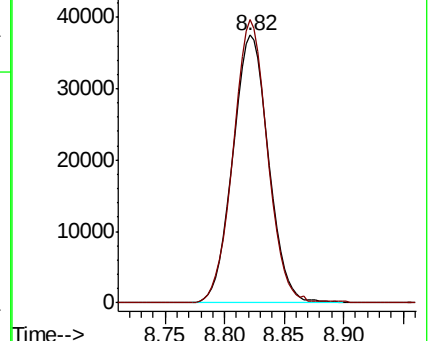
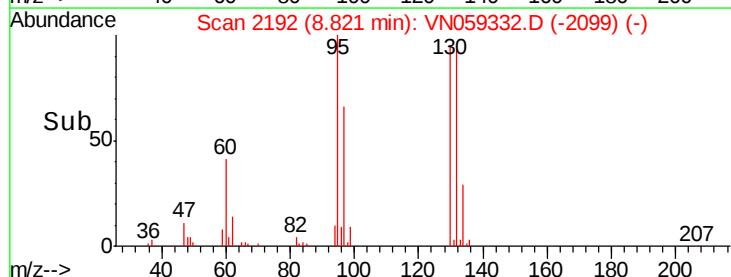
130 100

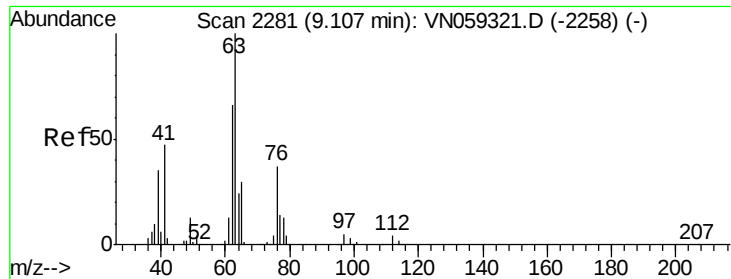
95 105.8 0.0 198.4



Abundance Ion 129.80 (129.50 to 130.50): VN059332.D (-2176) (-)

Ion 94.90 (94.60 to 95.60): VN059332.D (-2176) (-)

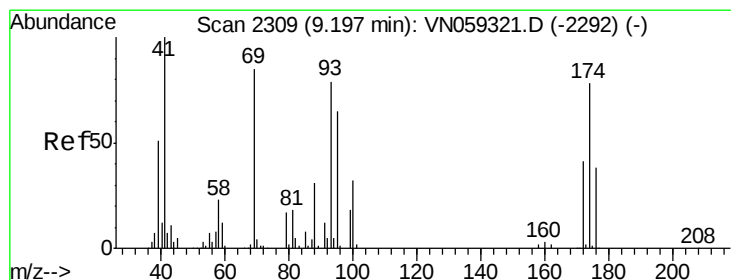
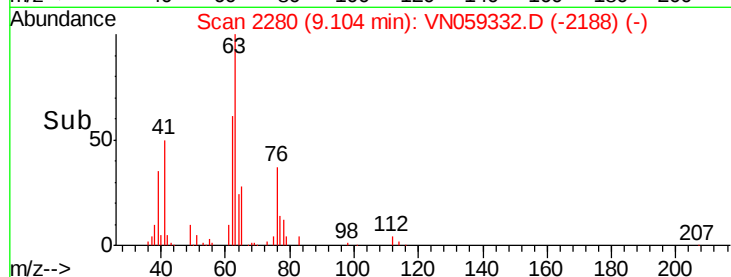
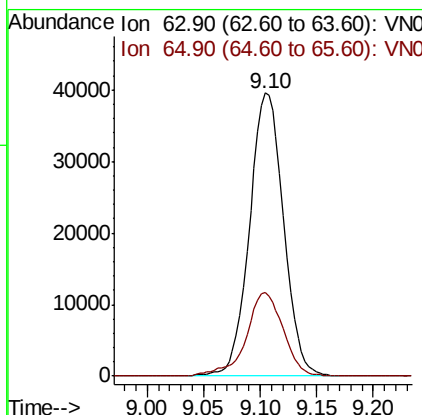
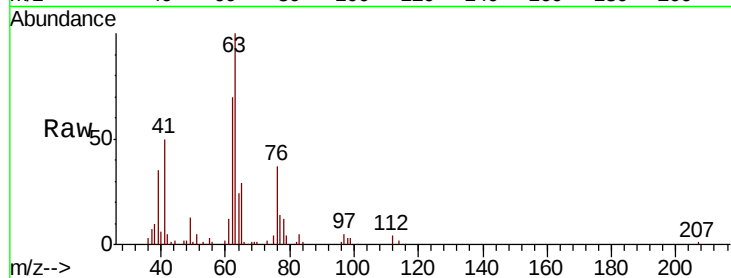




#45
 1,2-Dichloropropane
 Concen: 14.885 ug/l
 RT: 9.10 min Scan# 2280
 Delta R.T. -0.00 min
 Lab File: VN059332.D
 Acq: 21 Nov 2019 14:01

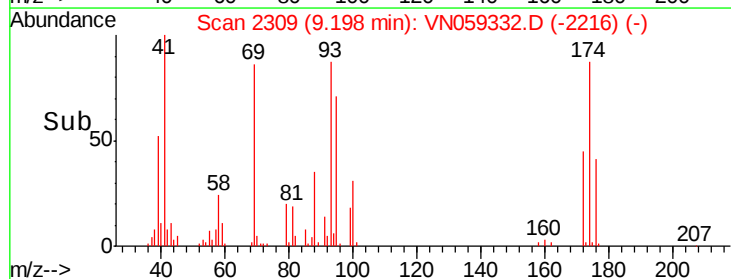
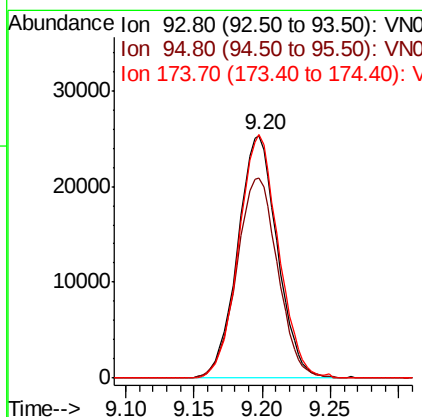
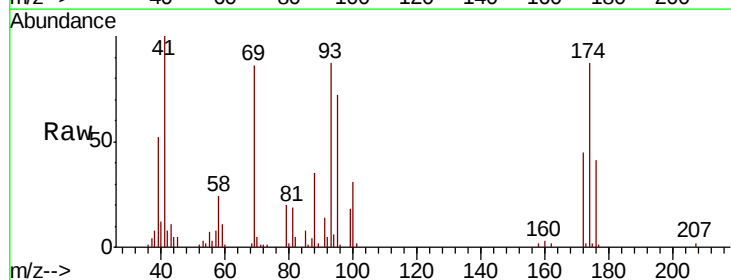
Instrument :
 MSVOA_N
 ClientSampleId :

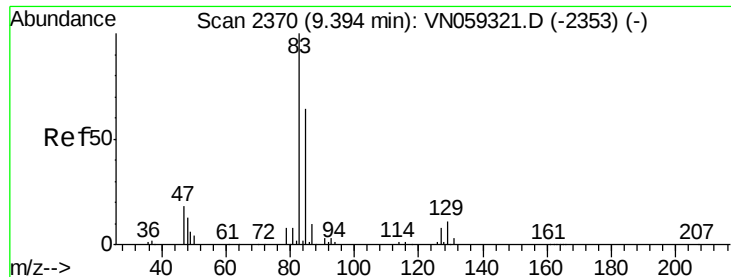
Tot Ion: 63 Resp: 82891
 Ion Ratio Lower Upper
 63 100
 65 29.4 23.9 35.9



#46
 Dibromomethane
 Concen: 14.930 ug/l
 RT: 9.20 min Scan# 2309
 Delta R.T. 0.00 min
 Lab File: VN059332.D
 Acq: 21 Nov 2019 14:01

Tgt Ion: 93 Resp: 50996
 Ion Ratio Lower Upper
 93 100
 95 85.4 66.9 100.3
 174 100.8 80.6 120.8





#47

Bromodichloromethane

Concen: 14.816 ug/l

RT: 9.39 min Scan# 2369

Delta R.T. -0.00 min

Lab File: VN059332.D

Acq: 21 Nov 2019 14:01

Instrument :
MSVOA_N
ClientSampleId :

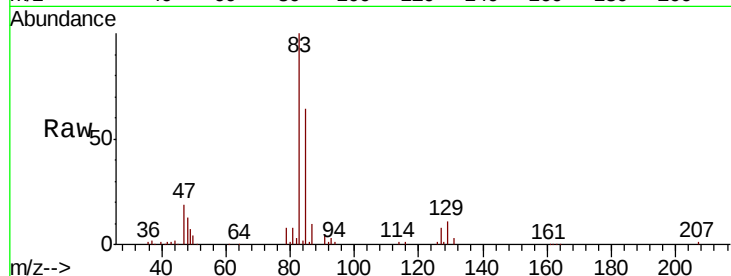
Tot Ion: 83 Resp: 101351

Ion Ratio Lower Upper

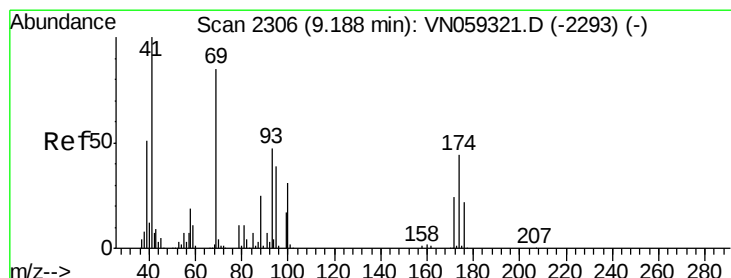
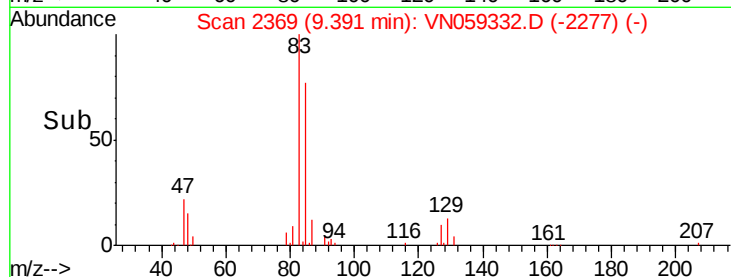
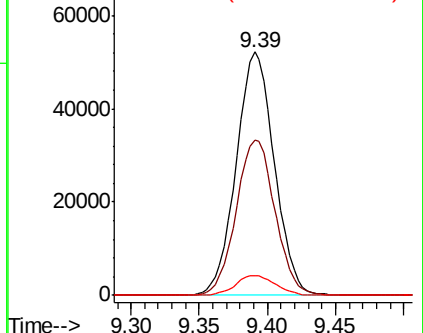
83 100

85 63.9 51.5 77.3

127 7.9 6.6 10.0



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0
Ion 126.80 (126.50 to 127.50): VN0



#48

Methyl methacrylate

Concen: 14.062 ug/l

RT: 9.19 min Scan# 2306

Delta R.T. 0.00 min

Lab File: VN059332.D

Acq: 21 Nov 2019 14:01

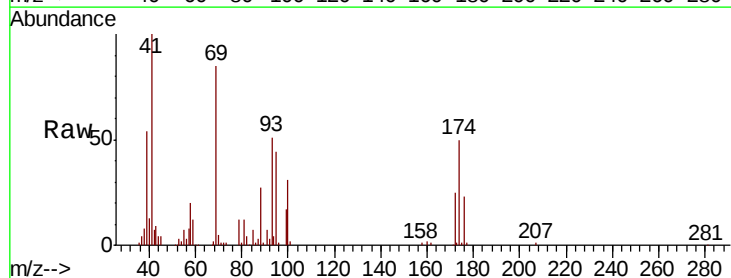
Tgt Ion: 41 Resp: 74734

Ion Ratio Lower Upper

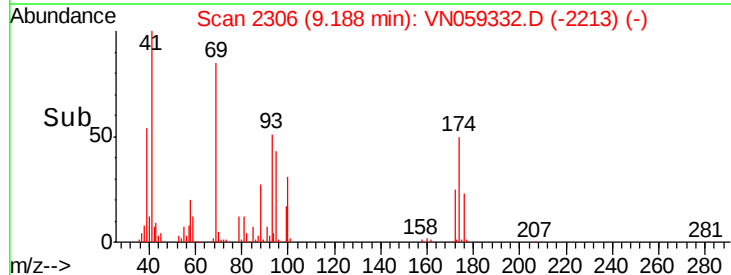
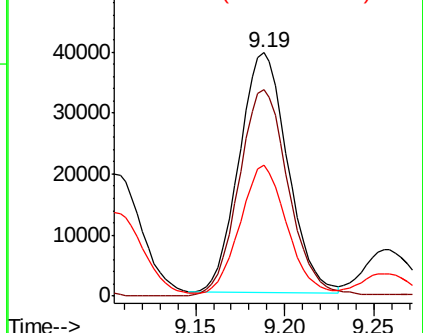
41 100

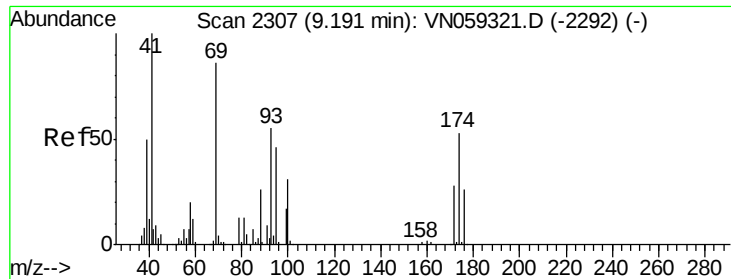
69 88.4 68.8 103.2

39 53.0 42.1 63.1



Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

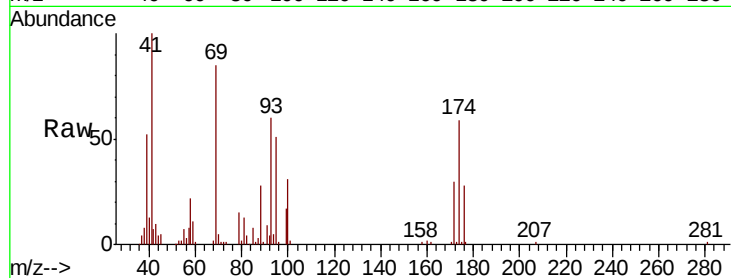




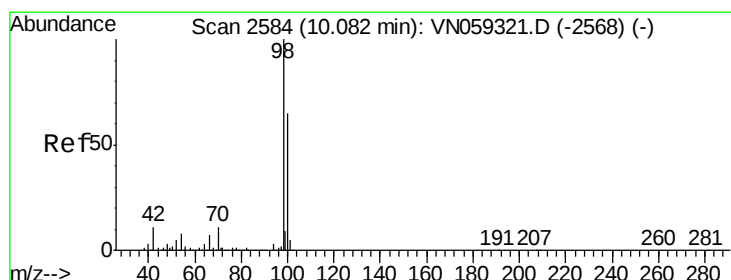
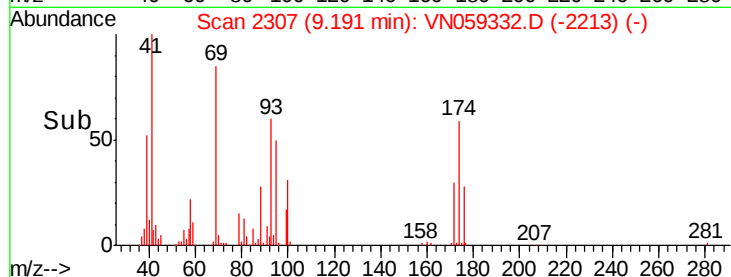
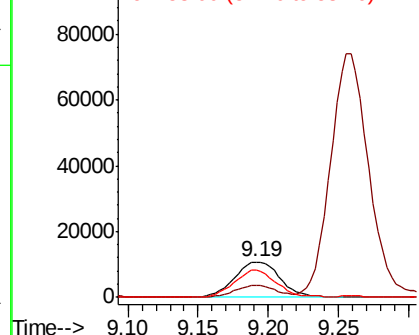
#49
1,4-Dioxane
Concen: 303.079 ug/l
RT: 9.19 min Scan# 2307
Delta R.T. 0.00 min
Lab File: VN059332.D
Acq: 21 Nov 2019 14:01

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 88 Resp: 24208
Ion Ratio Lower Upper
88 100
43 31.1 26.9 40.3
58 71.9 59.2 88.8

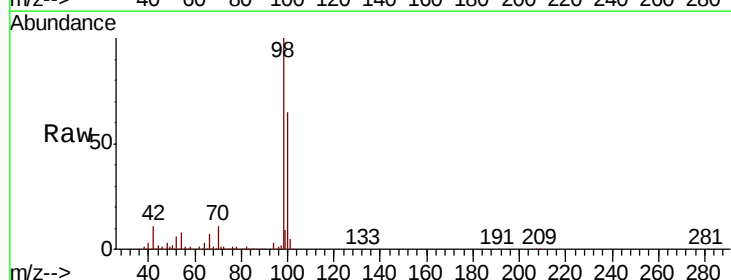


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

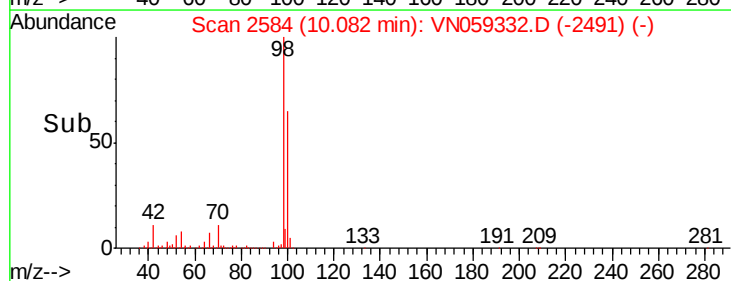
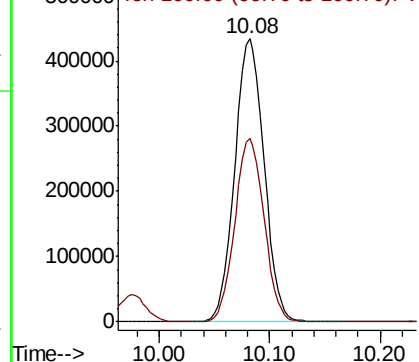


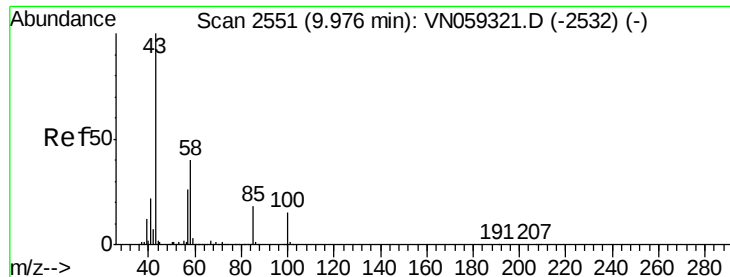
#50
Toluene-d8
Concen: 48.735 ug/l
RT: 10.08 min Scan# 2584
Delta R.T. 0.00 min
Lab File: VN059332.D
Acq: 21 Nov 2019 14:01

Tgt Ion: 98 Resp: 801136
Ion Ratio Lower Upper
98 100
100 64.4 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VN0
Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 76.226 ug/l

RT: 9.98 min Scan# 2551

Delta R.T. 0.00 min

Lab File: VN059332.D

Acq: 21 Nov 2019 14:01

Instrument :

MSVOA_N

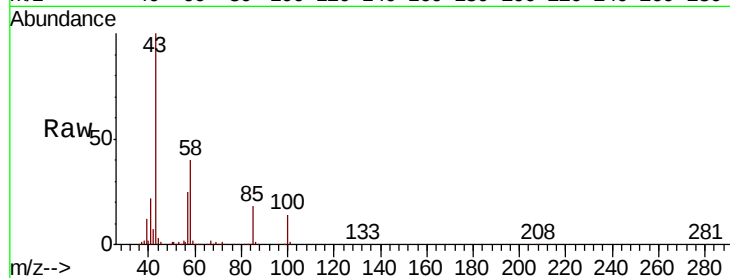
ClientSampleId :

Tot Ion: 43 Resp: 521427

Ion Ratio Lower Upper

43 100

58 40.1 31.8 47.8



Abundance Ion 43.00 (42.70 to 43.70): VN059332.D (-2532) (-)

Ion 58.00 (57.70 to 58.70): VN059332.D (-2532) (-)

9.98

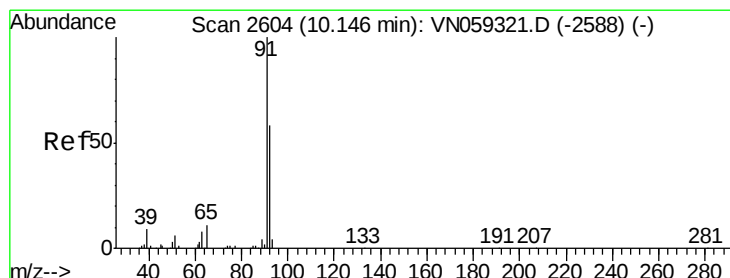
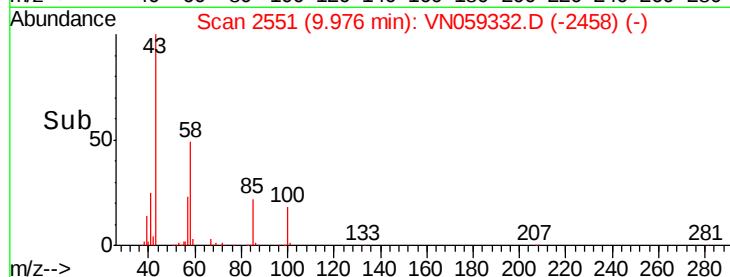
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 14.872 ug/l

RT: 10.15 min Scan# 2604

Delta R.T. 0.00 min

Lab File: VN059332.D

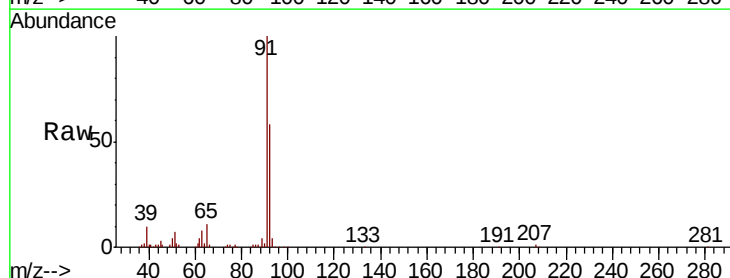
Acq: 21 Nov 2019 14:01

Tgt Ion: 92 Resp: 186749

Ion Ratio Lower Upper

92 100

91 173.0 137.9 206.9



Abundance Ion 92.00 (91.70 to 92.70): VN059332.D (-2588) (-)

Ion 91.00 (90.70 to 91.70): VN059332.D (-2588) (-)

10.15

200000

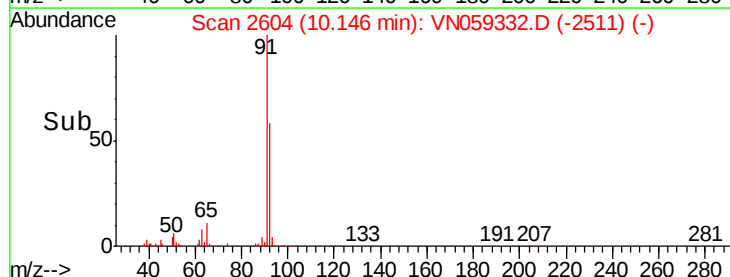
150000

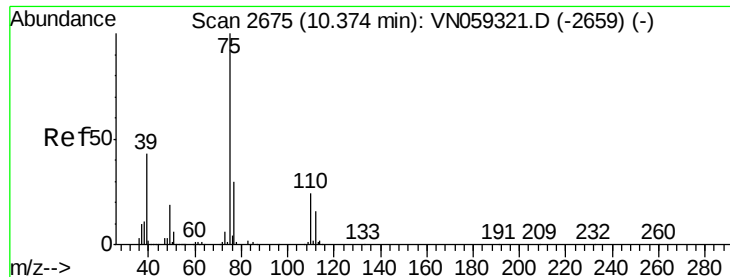
100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 14.450 ug/l

RT: 10.37 min Scan# 2675

Delta R.T. 0.00 min

Lab File: VN059332.D

Acq: 21 Nov 2019 14:01

Instrument :

MSVOA_N

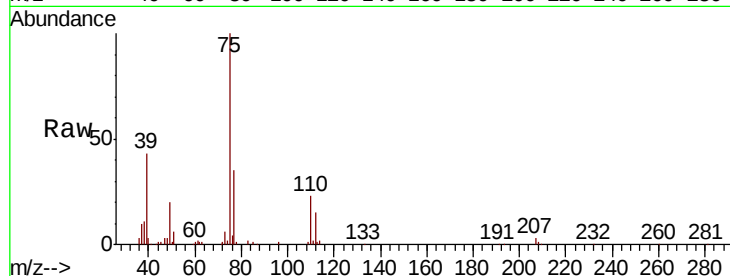
ClientSampleId :

Tot Ion: 75 Resp: 114912

Ion Ratio Lower Upper

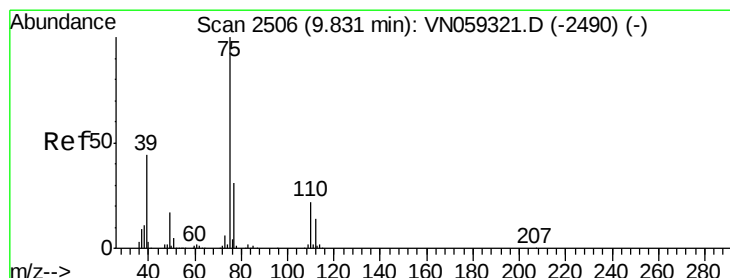
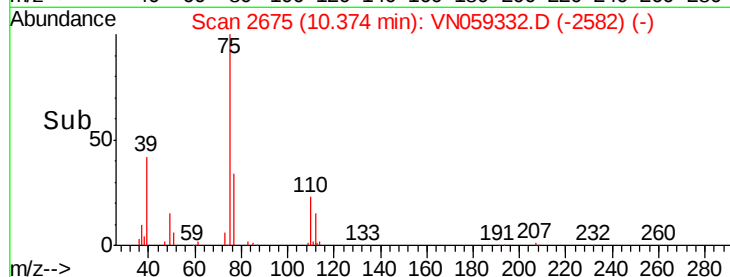
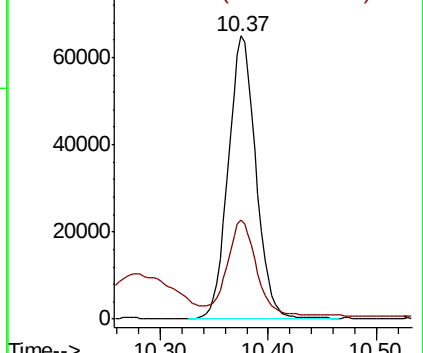
75 100

77 33.6 25.5 38.3



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 14.748 ug/l

RT: 9.83 min Scan# 2506

Delta R.T. 0.00 min

Lab File: VN059332.D

Acq: 21 Nov 2019 14:01

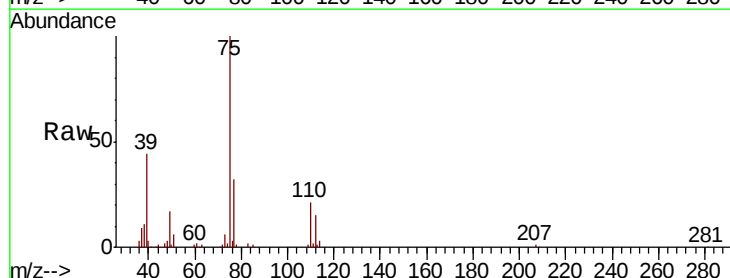
Tgt Ion: 75 Resp: 127260

Ion Ratio Lower Upper

75 100

77 31.6 25.0 37.4

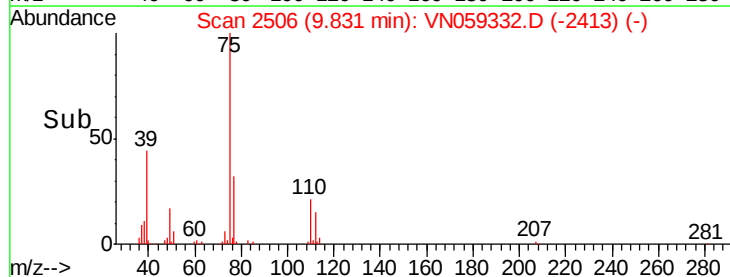
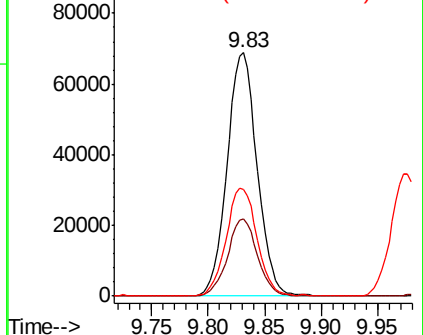
39 44.0 35.5 53.3

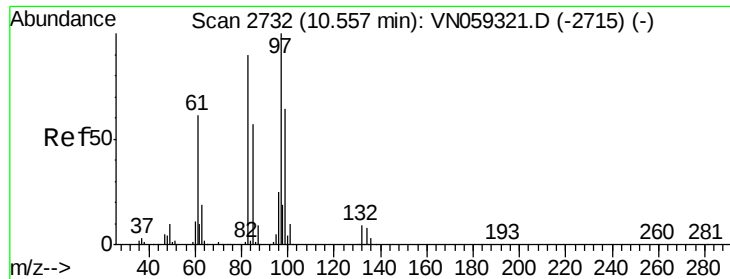


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

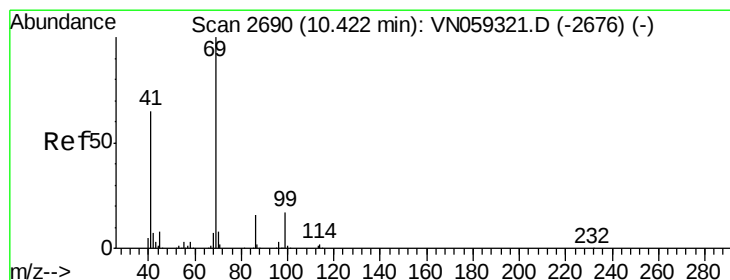
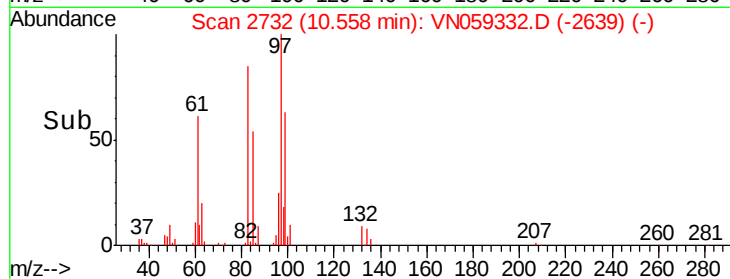
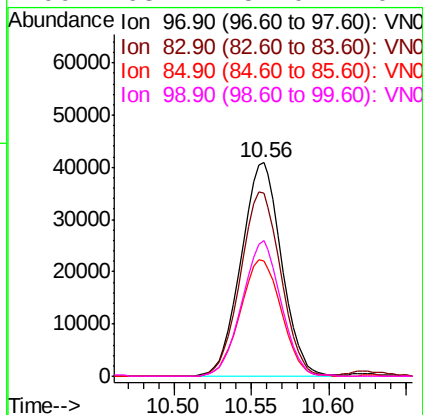
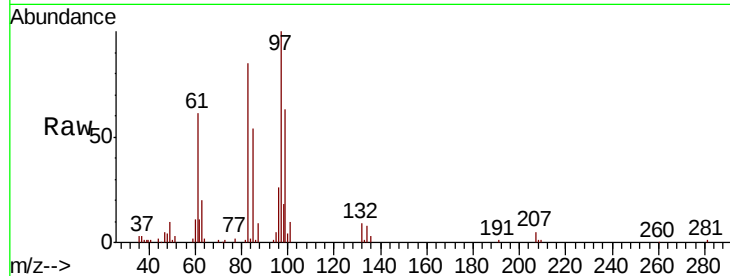




#55
 1,1,2-Trichloroethane
 Concen: 15.250 ug/l
 RT: 10.56 min Scan# 2732
 Delta R.T. 0.00 min
 Lab File: VN059332.D
 Acq: 21 Nov 2019 14:01

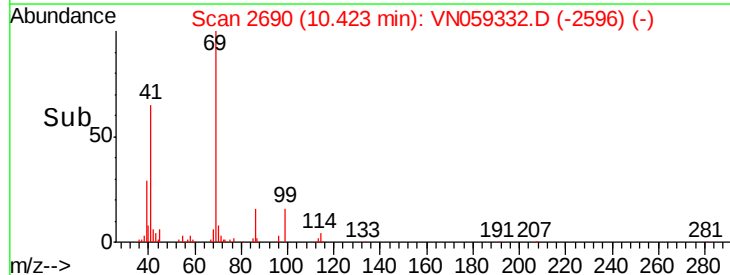
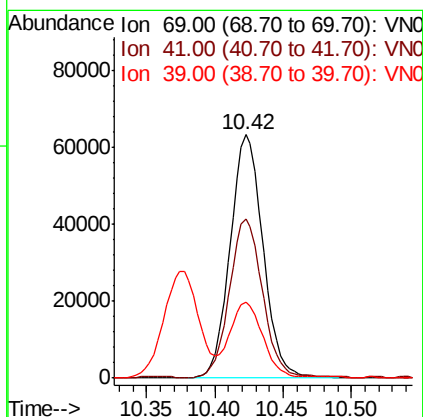
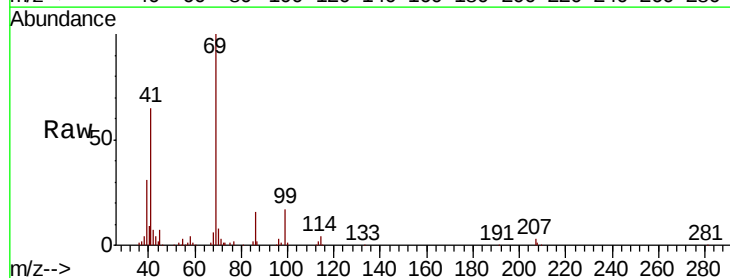
Instrument :
 MSVOA_N
 ClientSampleId :

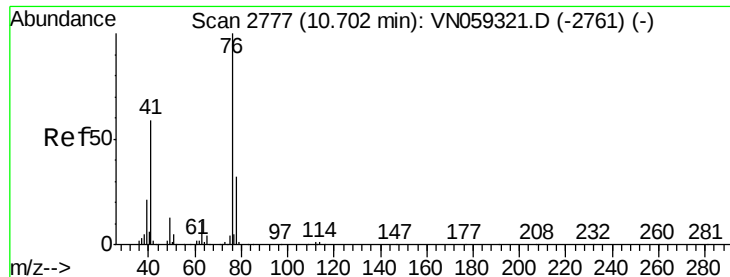
Tot Ion:	97	Resp:	74455
Ion	Ratio	Lower	Upper
97	100		
83	85.5	72.0	108.0
85	54.0	45.8	68.6
99	63.4	51.0	76.4



#56
 Ethyl methacrylate
 Concen: 14.488 ug/l
 RT: 10.42 min Scan# 2690
 Delta R.T. 0.00 min
 Lab File: VN059332.D
 Acq: 21 Nov 2019 14:01

Tgt Ion:	69	Resp:	106034
Ion	Ratio	Lower	Upper
69	100		
41	65.2	51.7	77.5
39	30.9	25.2	37.8





#57

1,3-Dichloropropane

Concen: 14.988 ug/l

RT: 10.70 min Scan# 2777

Delta R.T. 0.00 min

Lab File: VN059332.D

Acq: 21 Nov 2019 14:01

Instrument :

MSVOA_N

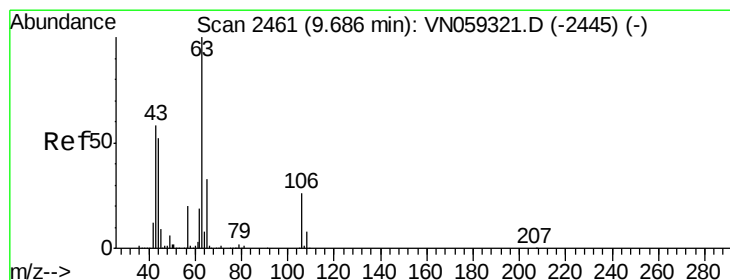
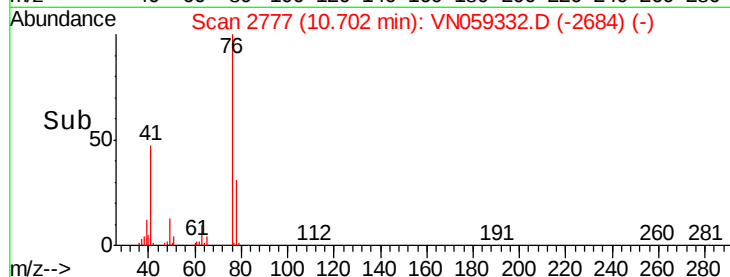
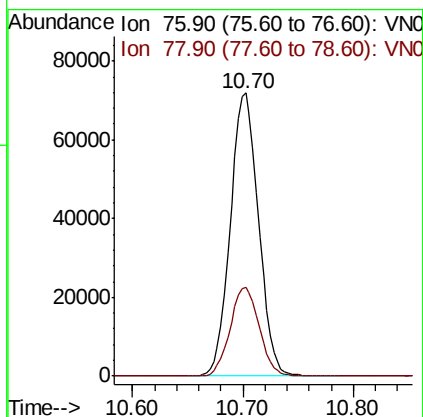
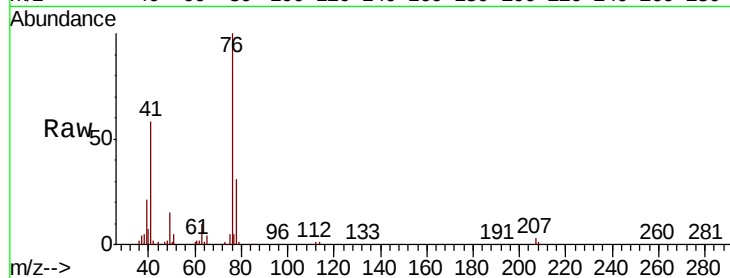
ClientSampleId :

Tot Ion: 76 Resp: 127542

Ion Ratio Lower Upper

76 100

78 32.3 26.0 39.0



#58

2-Chloroethyl Vinyl ether

Concen: 80.335 ug/l

RT: 9.68 min Scan# 2460

Delta R.T. -0.00 min

Lab File: VN059332.D

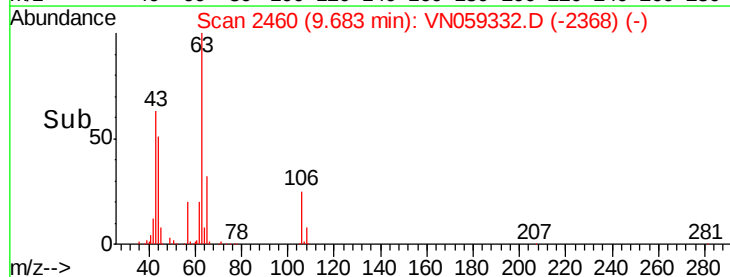
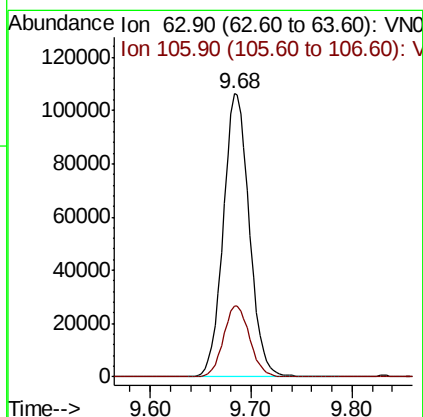
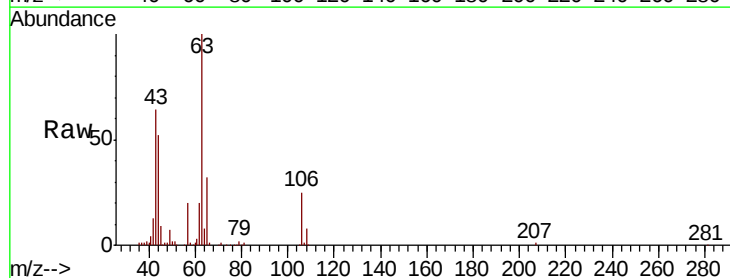
Acq: 21 Nov 2019 14:01

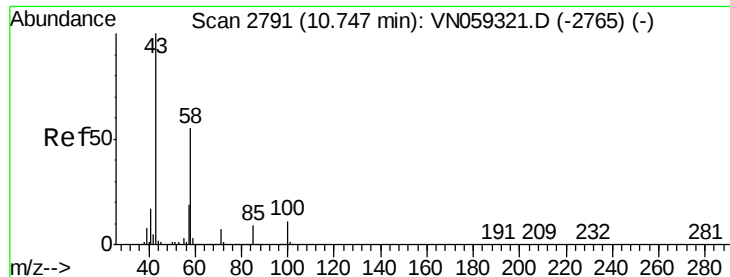
Tgt Ion: 63 Resp: 191652

Ion Ratio Lower Upper

63 100

106 25.3 20.5 30.7

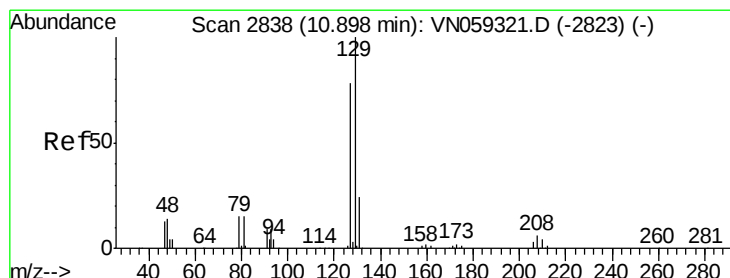
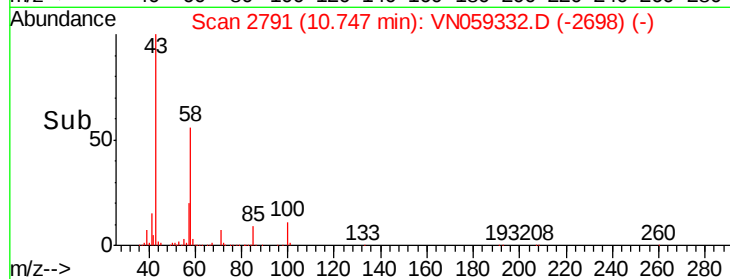
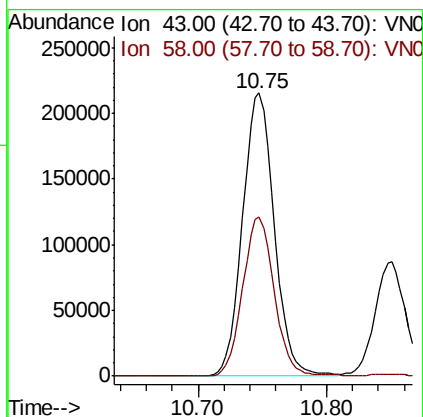
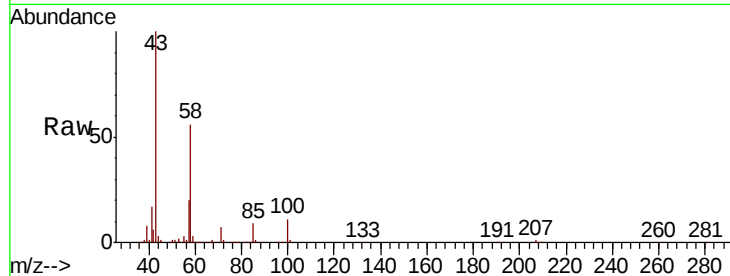




#59
2-Hexanone
Concen: 73.659 ug/l
RT: 10.75 min Scan# 2791
Delta R.T. 0.00 min
Lab File: VN059332.D
Acq: 21 Nov 2019 14:01

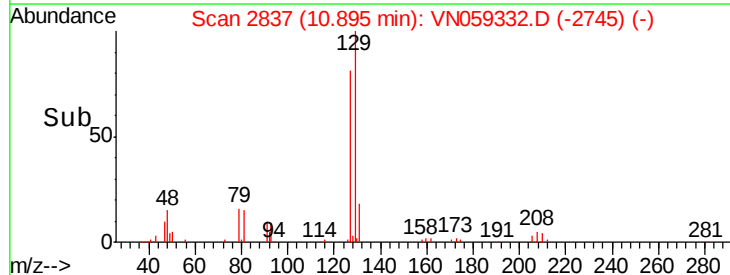
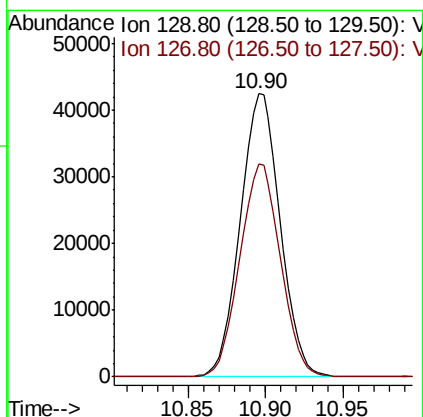
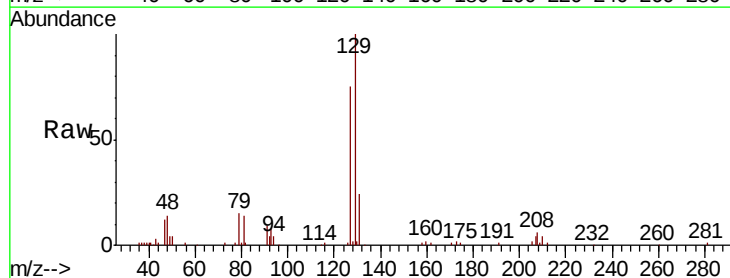
Instrument :
MSVOA_N
ClientSampled :

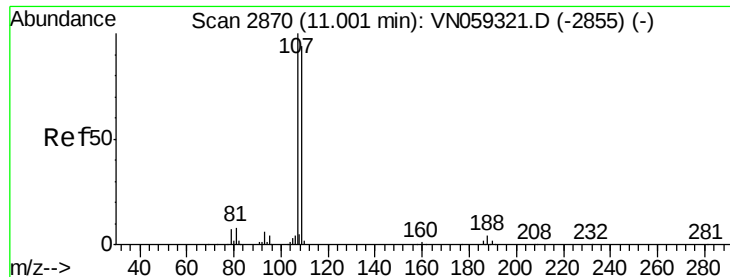
Tot Ion: 43 Resp: 368955
Ion Ratio Lower Upper
43 100
58 56.1 27.7 83.0



#60
Dibromochloromethane
Concen: 14.820 ug/l
RT: 10.90 min Scan# 2837
Delta R.T. -0.00 min
Lab File: VN059332.D
Acq: 21 Nov 2019 14:01

Tgt Ion: 129 Resp: 76247
Ion Ratio Lower Upper
129 100
127 76.4 38.5 115.5

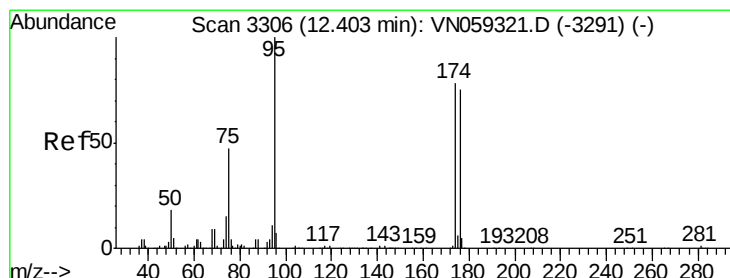
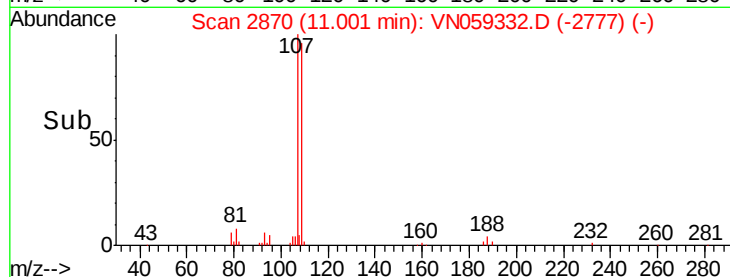
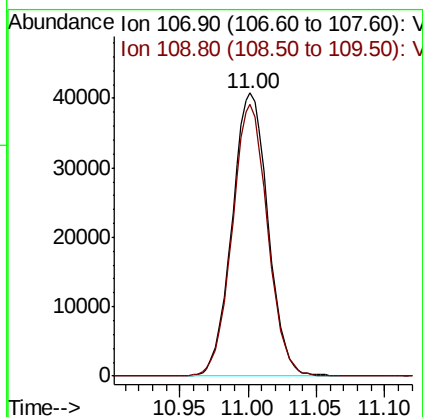
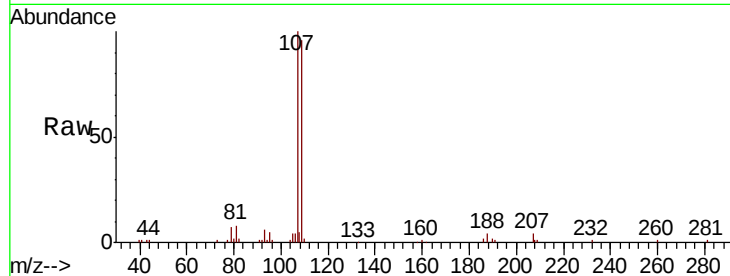




#61
 1,2-Dibromoethane
 Concen: 14.690 ug/l
 RT: 11.00 min Scan# 2870
 Delta R.T. 0.00 min
 Lab File: VN059332.D
 Acq: 21 Nov 2019 14:01

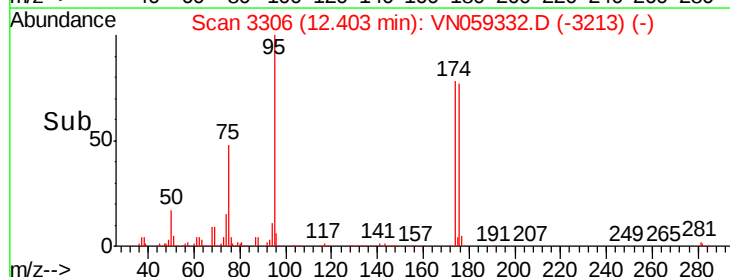
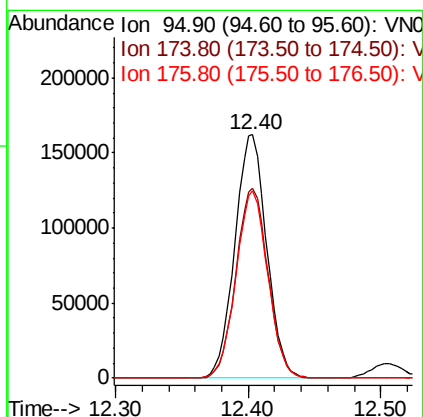
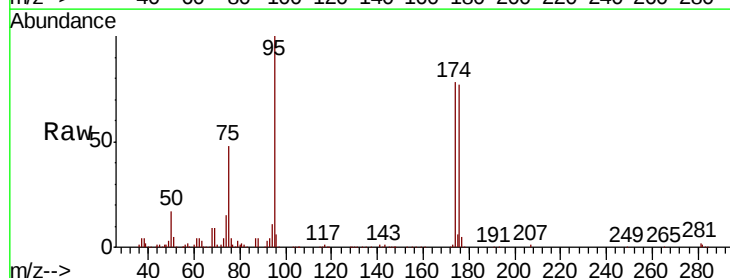
Instrument :
 MSVOA_N
 ClientSampleId :

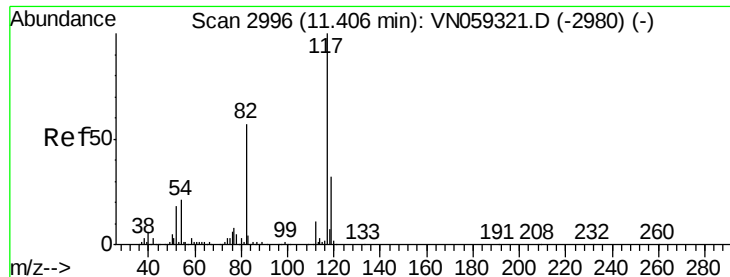
Tot Ion: 107 Resp: 74628
 Ion Ratio Lower Upper
 107 100
 109 94.3 75.4 113.2



#62
 4-Bromofluorobenzene
 Concen: 47.037 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN059332.D
 Acq: 21 Nov 2019 14:01

Tgt Ion: 95 Resp: 270359
 Ion Ratio Lower Upper
 95 100
 174 78.5 0.0 157.4
 176 76.9 0.0 151.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2995

Delta R.T. -0.00 min

Lab File: VN059332.D

Acq: 21 Nov 2019 14:01

Instrument :

MSVOA_N

ClientSampleId :

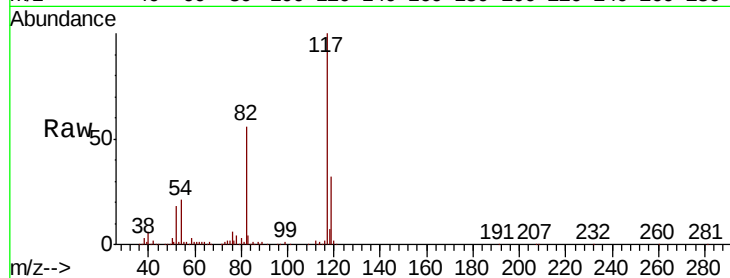
Tot Ion:117 Resp: 603394

Ion Ratio Lower Upper

117 100

82 56.3 45.7 68.5

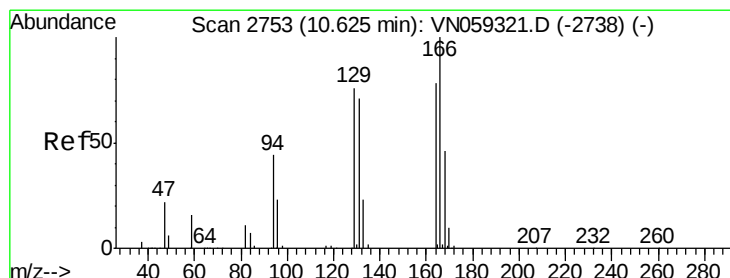
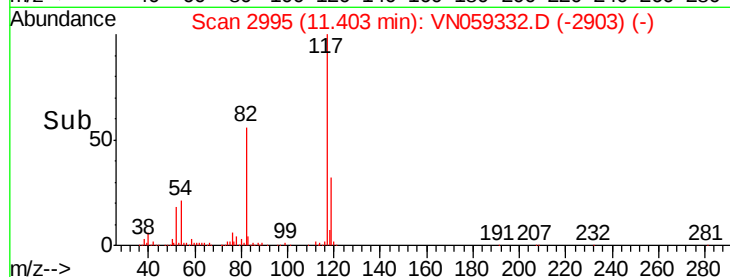
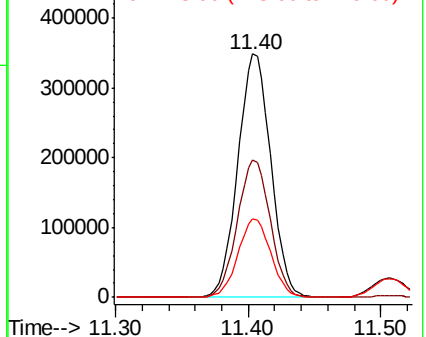
119 32.3 25.8 38.6



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: 14.544 ug/l

RT: 10.63 min Scan# 2753

Delta R.T. 0.00 min

Lab File: VN059332.D

Acq: 21 Nov 2019 14:01

Tgt Ion:164 Resp: 67874

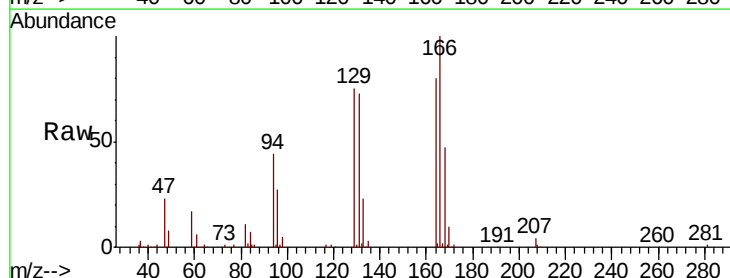
Ion Ratio Lower Upper

164 100

166 125.0 102.9 154.3

129 93.7 78.2 117.2

131 90.7 72.6 109.0

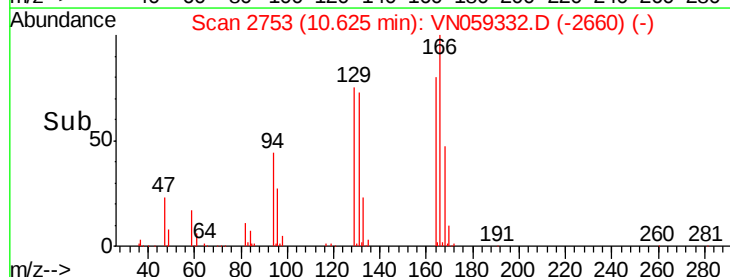
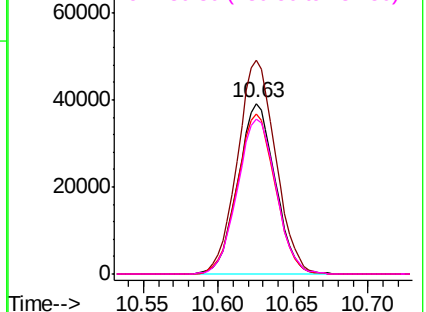


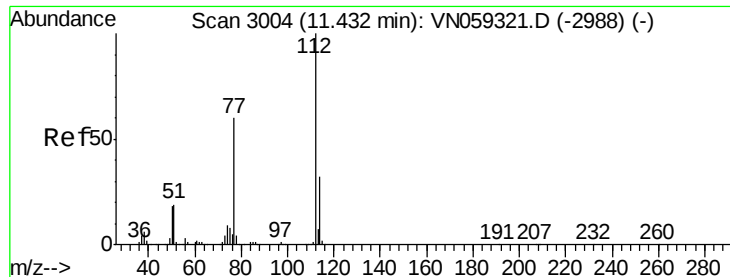
Abundance Ion 163.80 (163.50 to 164.50): V

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

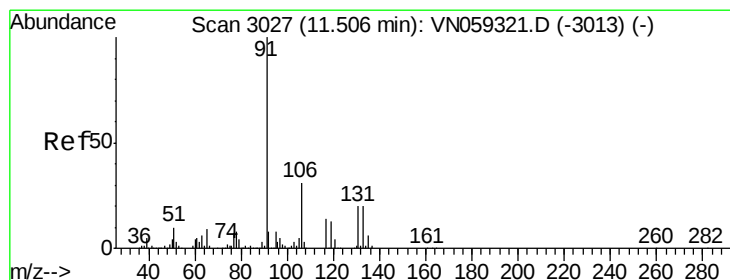
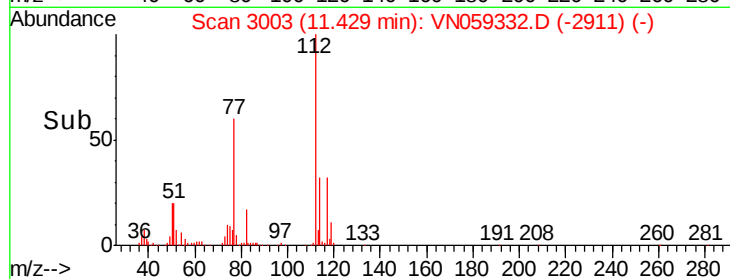
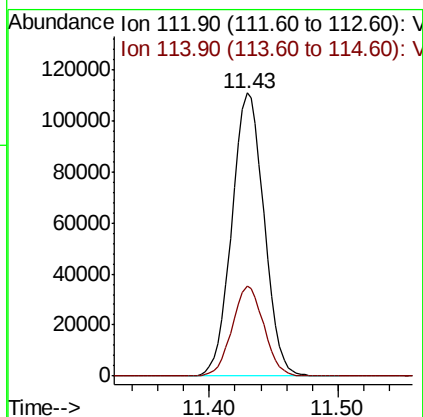
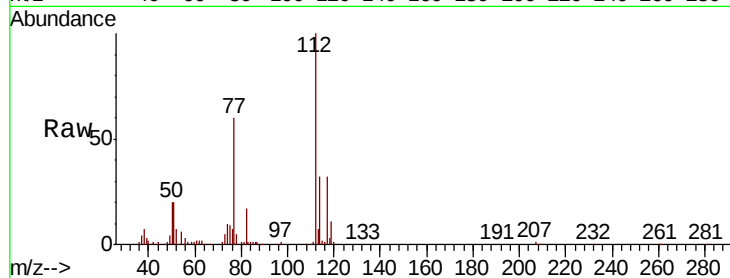




#65
Chlorobenzene
Concen: 14.828 ug/l
RT: 11.43 min Scan# 3003
Delta R.T. -0.00 min
Lab File: VN059332.D
Acq: 21 Nov 2019 14:01

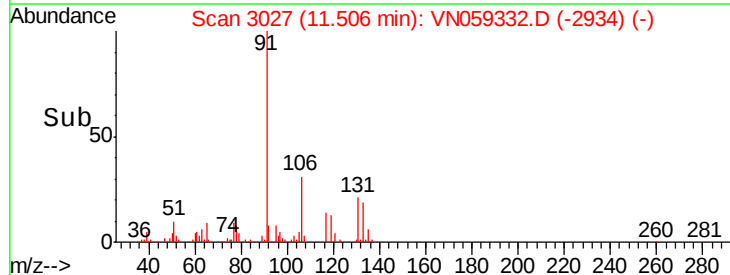
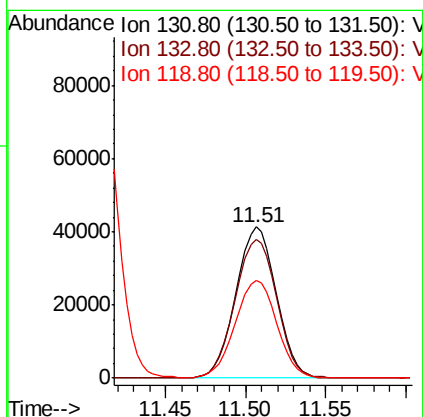
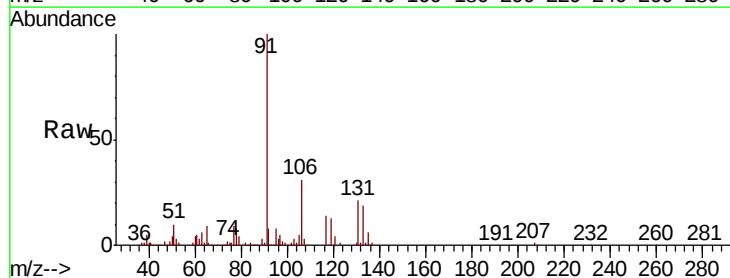
Instrument :
MSVOA_N
ClientSampled :

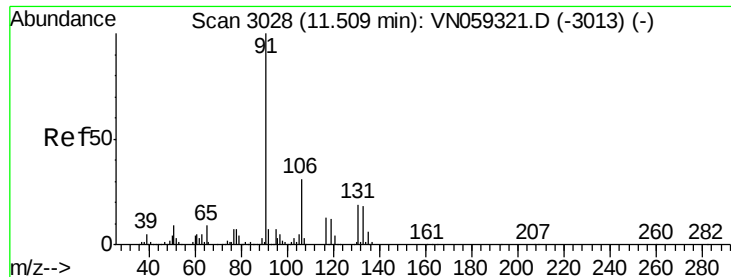
Tot Ion:112 Resp: 192386
Ion Ratio Lower Upper
112 100
114 31.7 25.8 38.6



#66
1,1,1,2-Tetrachloroethane
Concen: 15.120 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. 0.00 min
Lab File: VN059332.D
Acq: 21 Nov 2019 14:01

Tgt Ion:131 Resp: 71264
Ion Ratio Lower Upper
131 100
133 94.1 48.2 144.6
119 66.7 33.6 100.6





#67

Ethyl Benzene

Concen: 14.785 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN059332.D

Acq: 21 Nov 2019 14:01

Instrument :

MSVOA_N

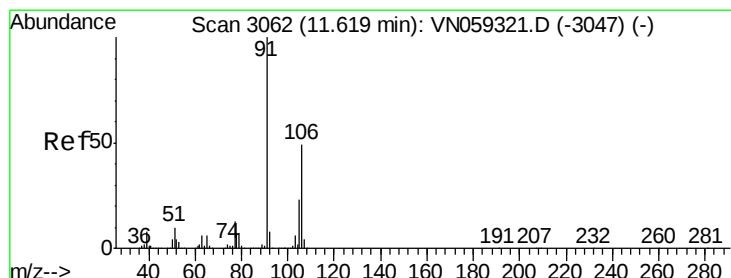
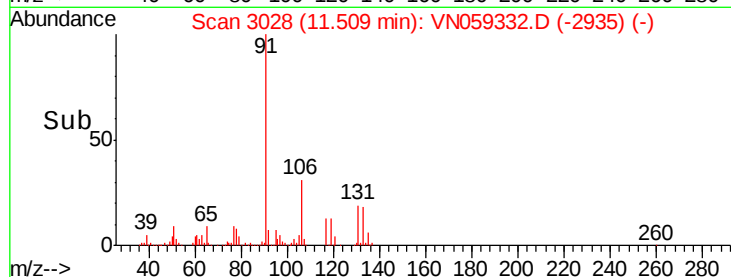
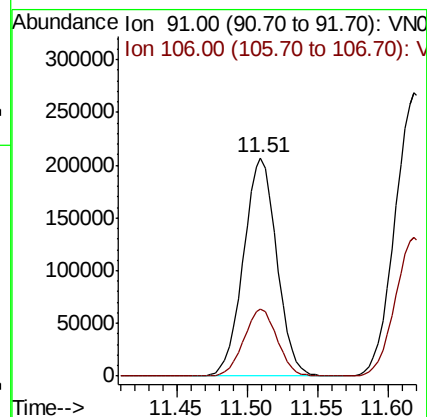
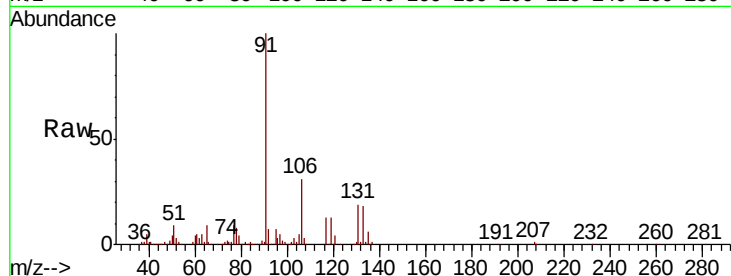
ClientSampled :

Tot Ion: 91 Resp: 342512

Ion Ratio Lower Upper

91 100

106 30.7 24.6 37.0



#68

m/p-Xylenes

Concen: 29.608 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. 0.00 min

Lab File: VN059332.D

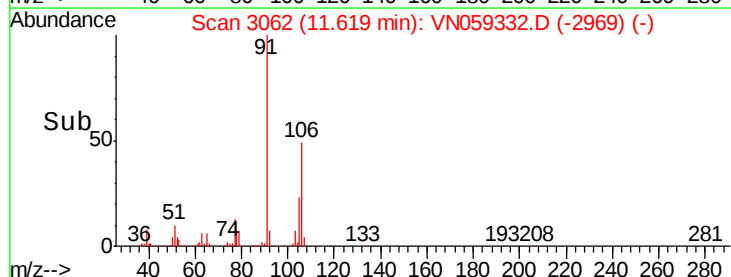
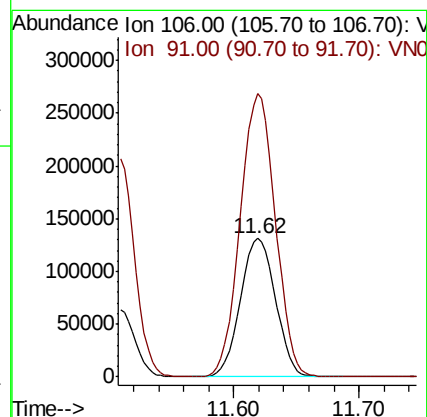
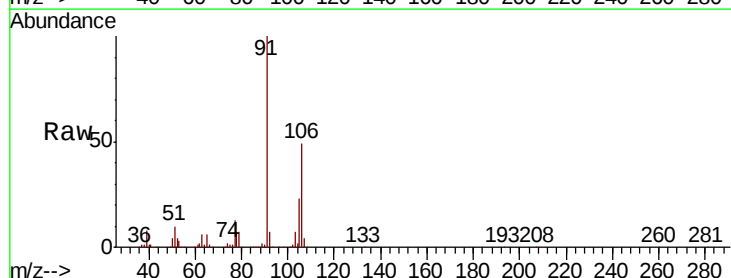
Acq: 21 Nov 2019 14:01

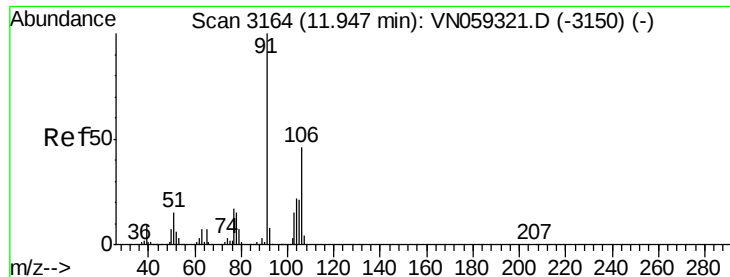
Tgt Ion: 106 Resp: 254861

Ion Ratio Lower Upper

106 100

91 205.1 163.2 244.8





#69

o-Xylene

Concen: 14.636 ug/l

RT: 11.95 min Scan# 3164

Delta R.T. 0.00 min

Lab File: VN059332.D

Acq: 21 Nov 2019 14:01

Instrument :

MSVOA_N

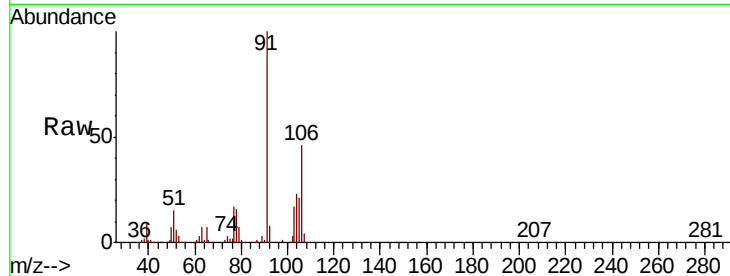
ClientSampleId :

Tot Ion:106 Resp: 120612

Ion Ratio Lower Upper

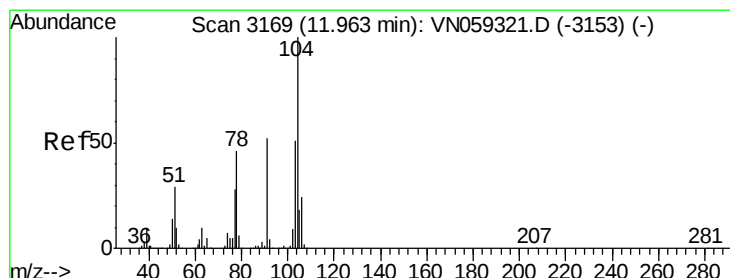
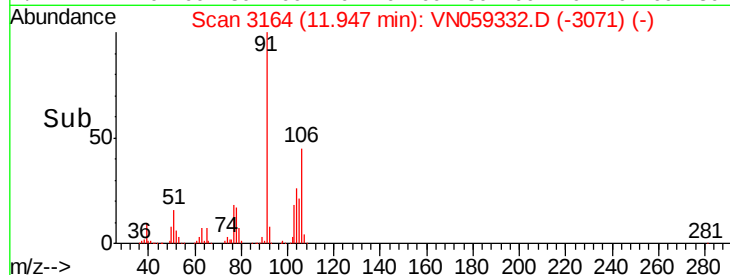
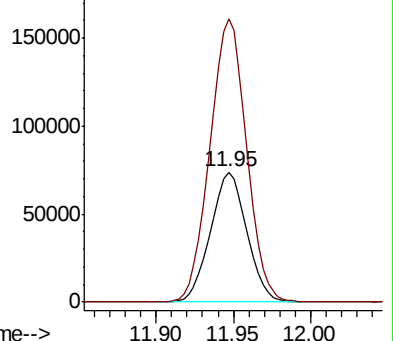
106 100

91 219.9 109.3 327.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN



#70

Styrene

Concen: 14.440 ug/l

RT: 11.96 min Scan# 3169

Delta R.T. 0.00 min

Lab File: VN059332.D

Acq: 21 Nov 2019 14:01

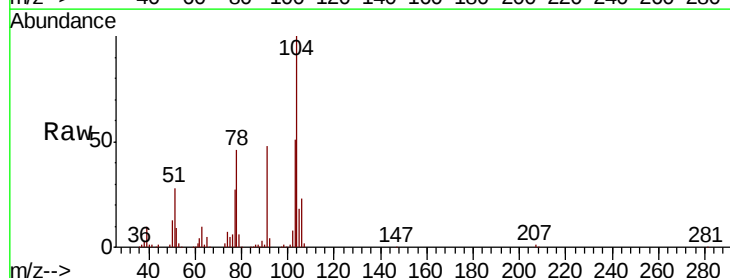
Tgt Ion:104 Resp: 187761

Ion Ratio Lower Upper

104 100

78 50.7 40.3 60.5

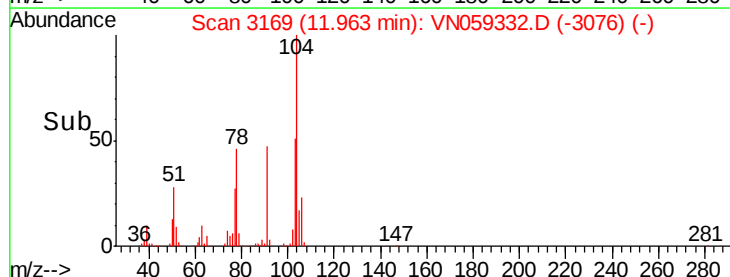
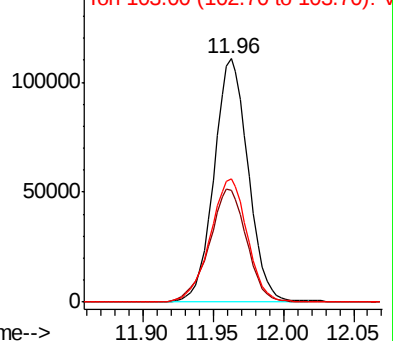
103 55.2 43.6 65.4

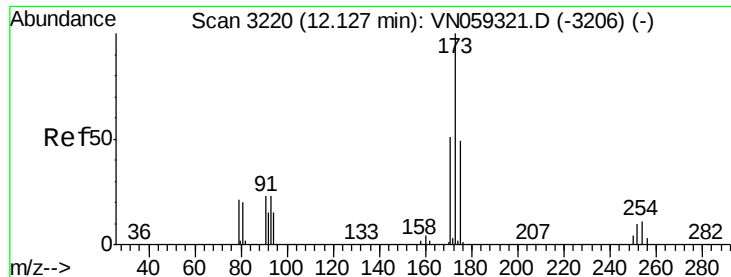


Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VN

Ion 103.00 (102.70 to 103.70): V

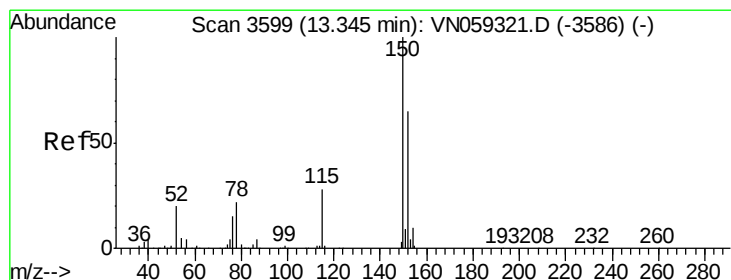
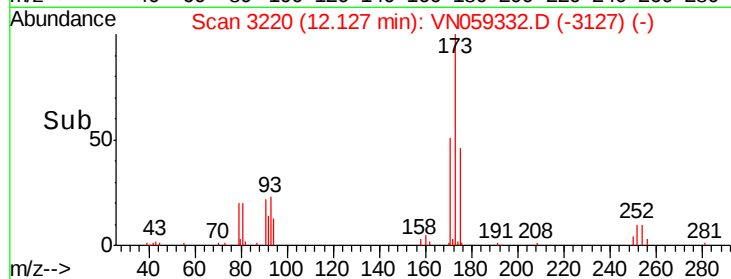
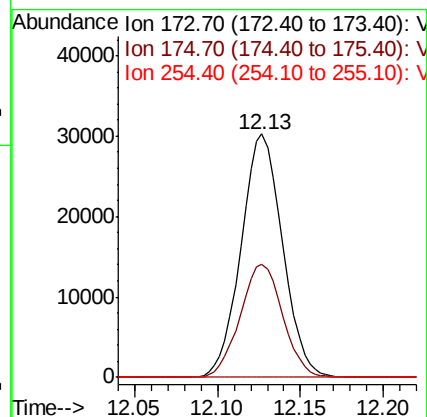
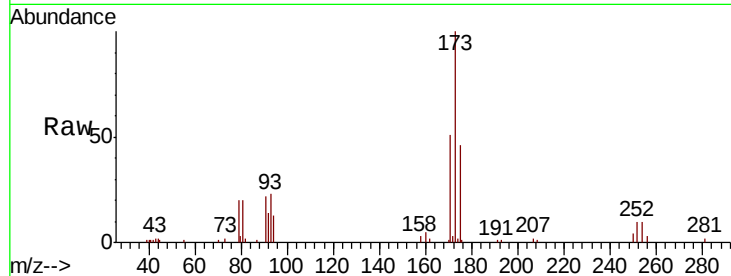




#71
Bromoform
Concen: 14.729 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN059332.D
Acq: 21 Nov 2019 14:01

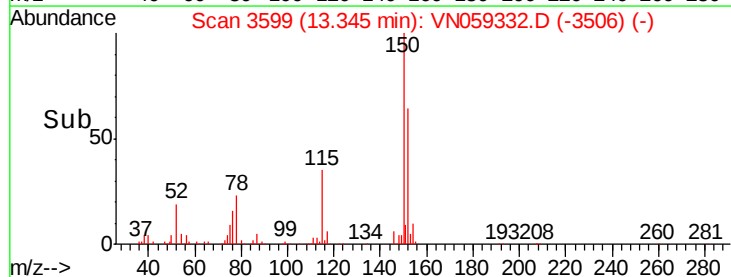
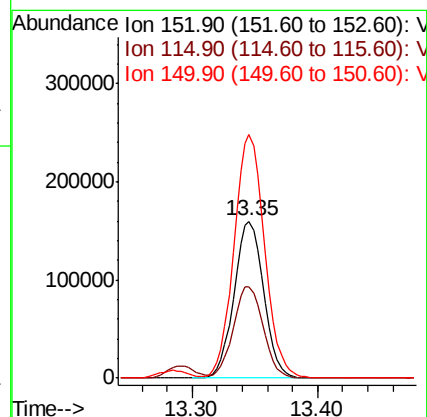
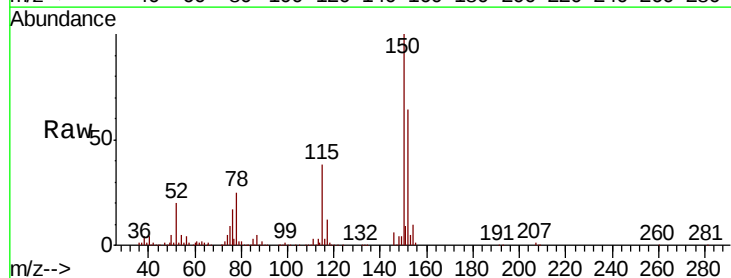
Instrument :
MSVOA_N
ClientSampled :

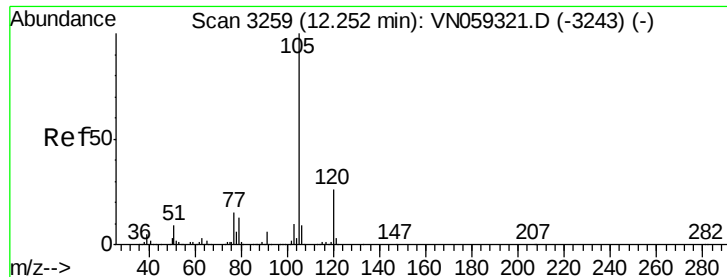
Tot Ion:173 Resp: 52575
Ion Ratio Lower Upper
173 100
175 47.7 24.6 73.6
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN059332.D
Acq: 21 Nov 2019 14:01

Tgt Ion:152 Resp: 261964
Ion Ratio Lower Upper
152 100
115 58.9 29.3 88.0
150 159.9 0.0 346.0

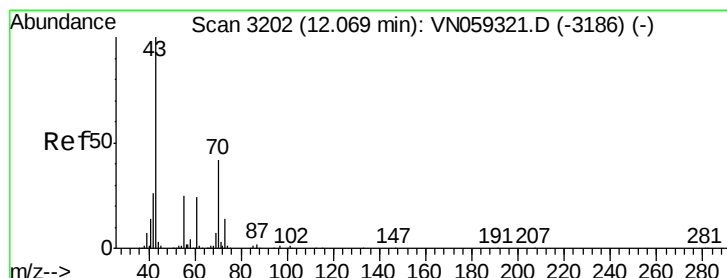
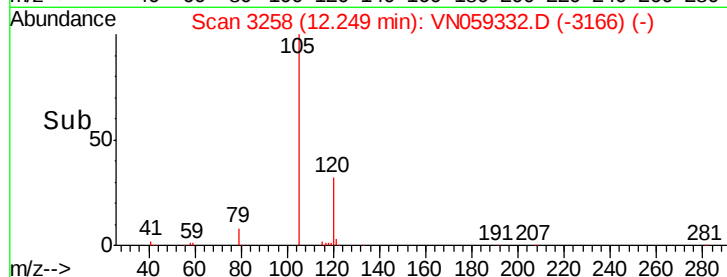
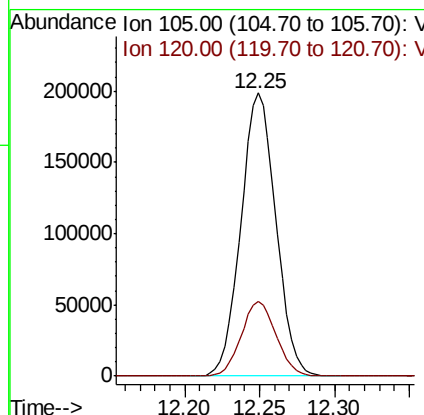
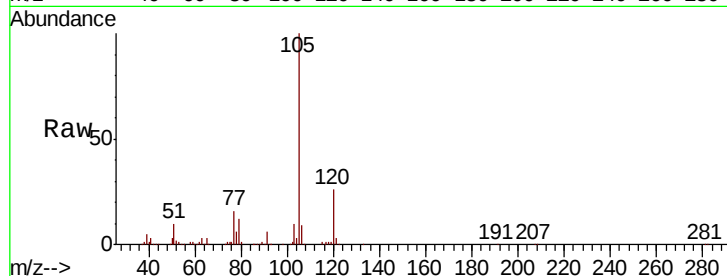




#73
Isopropylbenzene
Concen: 15.061 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. -0.00 min
Lab File: VN059332.D
Acq: 21 Nov 2019 14:01

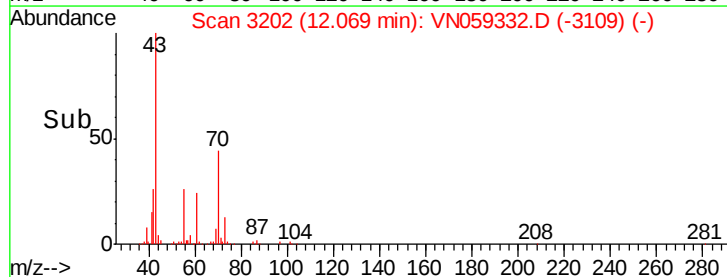
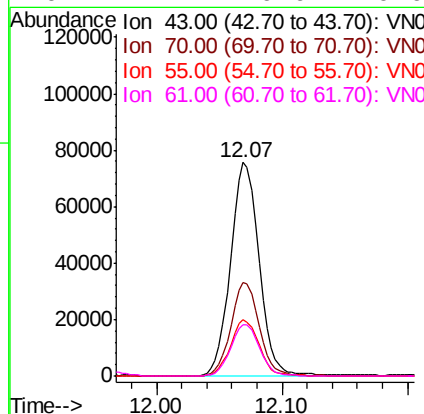
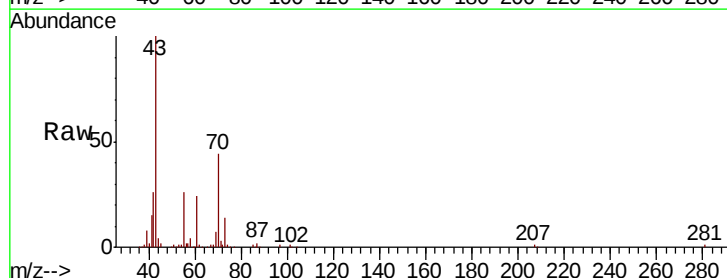
Instrument :
MSVOA_N
ClientSampled :

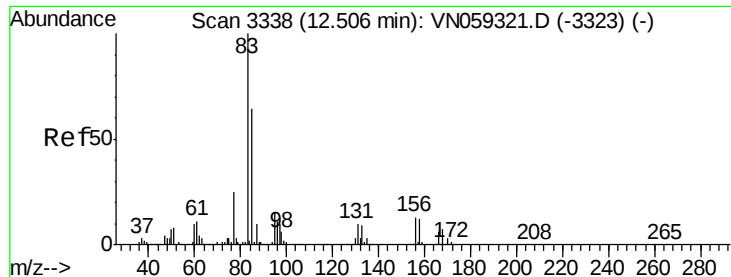
Tot Ion: 105 Resp: 323201
Ion Ratio Lower Upper
105 100
120 26.3 13.1 39.3



#74
N-ethyl acetate
Concen: 13.979 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. 0.00 min
Lab File: VN059332.D
Acq: 21 Nov 2019 14:01

Tgt Ion: 43 Resp: 120565
Ion Ratio Lower Upper
43 100
70 42.9 33.8 50.6
55 26.2 20.3 30.5
61 24.2 19.9 29.9





#75

1,1,2,2-Tetrachloroethane

Concen: 15.006 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN059332.D

Acq: 21 Nov 2019 14:01

Instrument :

MSVOA_N

ClientSampleId :

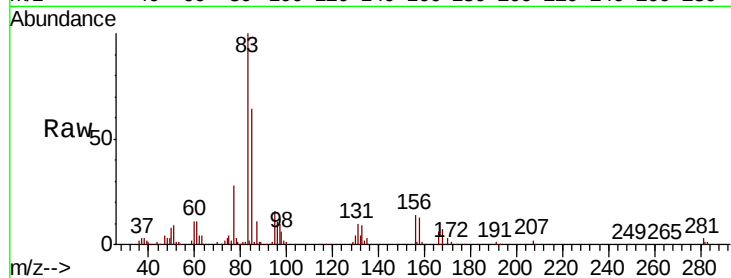
Tot Ion: 83 Resp: 106528

Ion Ratio Lower Upper

83 100

131 9.7 5.0 14.9

85 63.8 32.1 96.3



Abundance Ion 82.90 (82.60 to 83.60): VN059332.D (-3245) (-)

Ion 130.80 (130.50 to 131.50): VN059332.D (-3245) (-)

Ion 84.90 (84.60 to 85.60): VN059332.D (-3245) (-)

12.51

60000

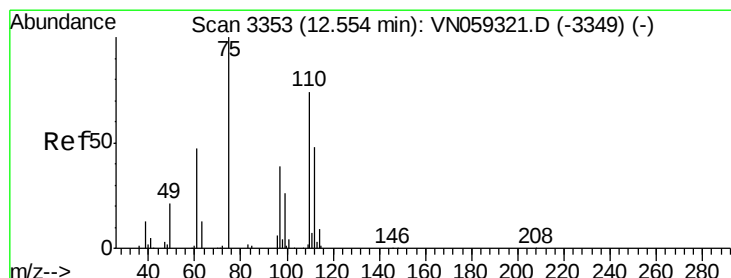
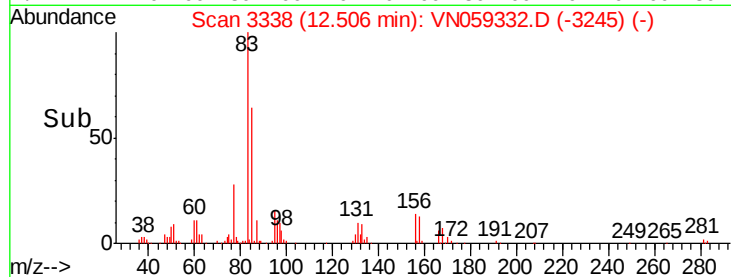
40000

20000

0

12.45 12.50 12.55

Time-->



#76

1,2,3-Trichloropropane

Concen: 22.890 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN059332.D

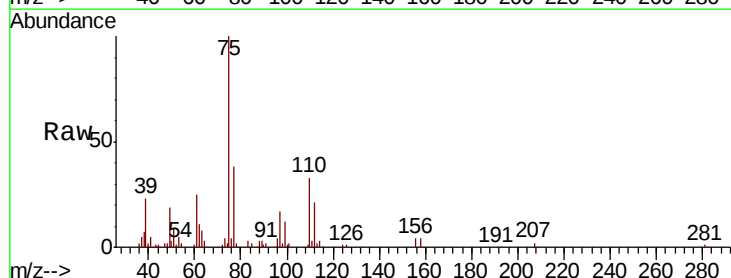
Acq: 21 Nov 2019 14:01

Tgt Ion: 75 Resp: 138532

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN059332.D (-3260) (-)

Ion 77.00 (76.70 to 77.70): VN059332.D (-3260) (-)

12.55

80000

60000

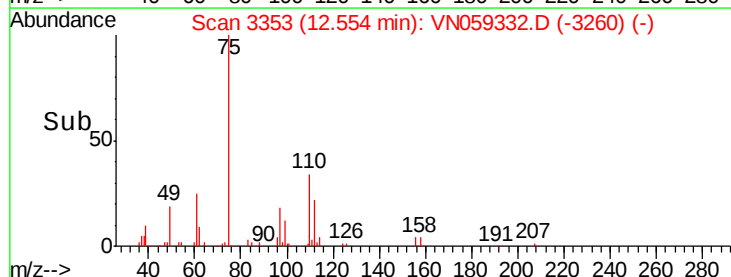
40000

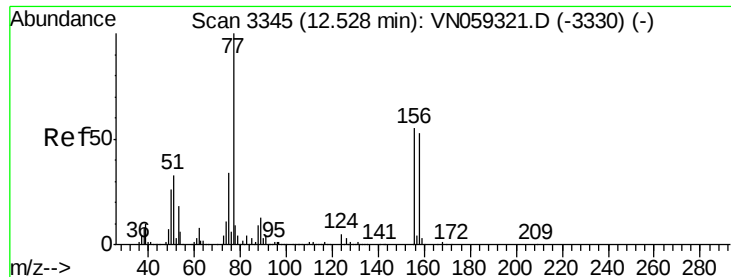
20000

0

12.50 12.60

Time-->





#77

Bromobenzene

Concen: 14.719 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN059332.D

Acq: 21 Nov 2019 14:01

Instrument :

MSVOA_N

ClientSampleId :

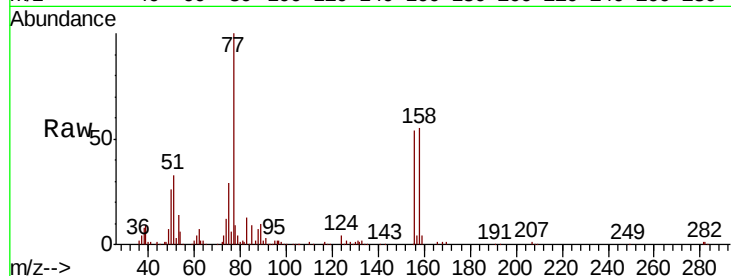
Tot Ion:156 Resp: 76612

Ion Ratio Lower Upper

156 100

77 224.6 111.1 333.4

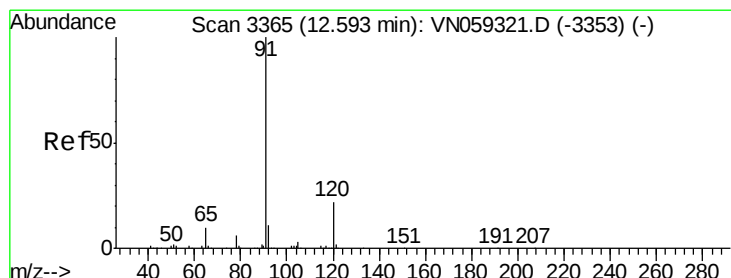
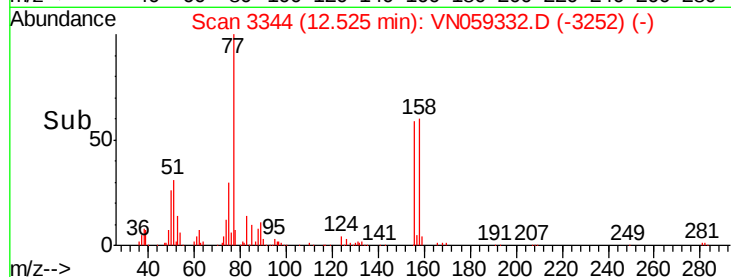
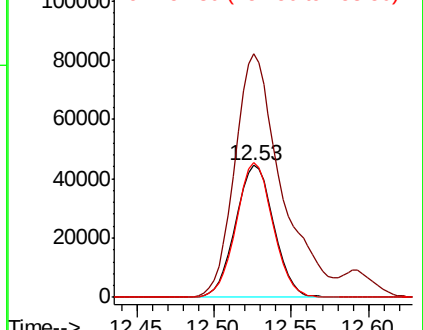
158 98.4 47.8 143.4



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: 14.937 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN059332.D

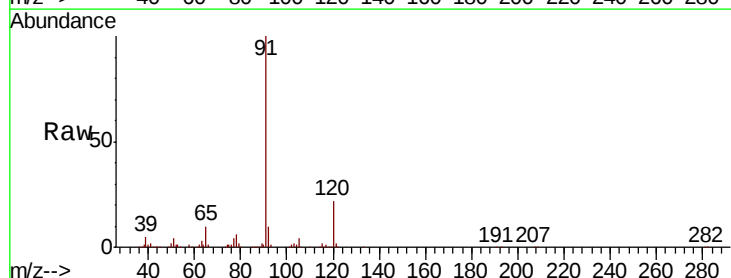
Acq: 21 Nov 2019 14:01

Tgt Ion: 91 Resp: 363083

Ion Ratio Lower Upper

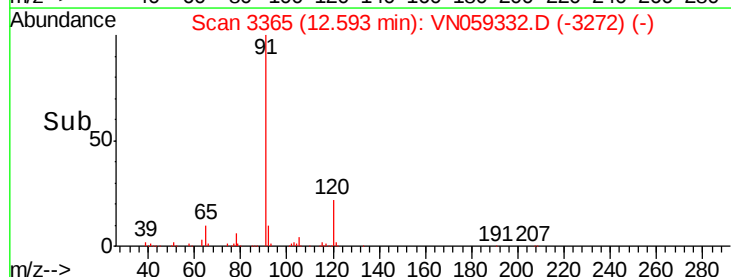
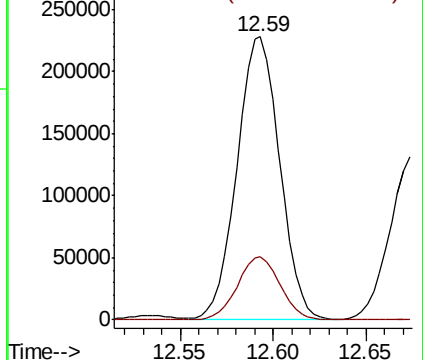
91 100

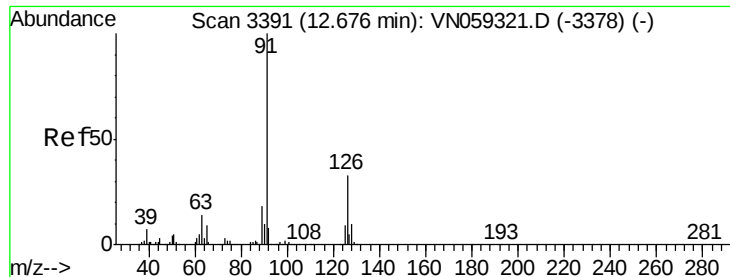
120 22.5 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 14.693 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN059332.D

Acq: 21 Nov 2019 14:01

Instrument :

MSVOA_N

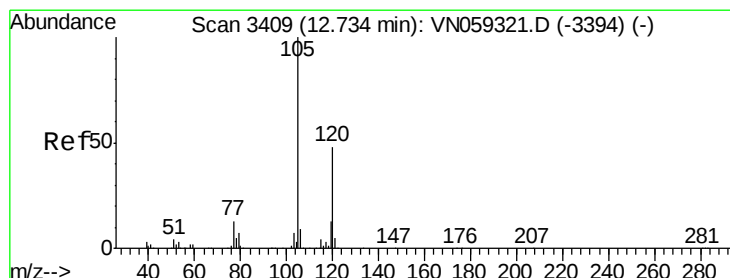
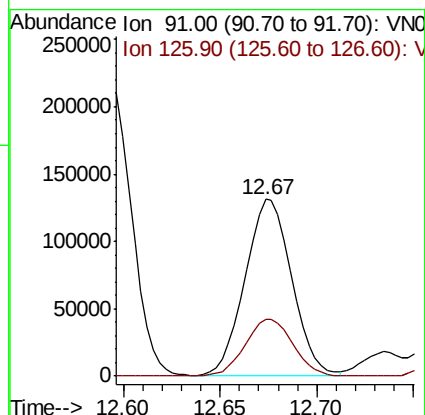
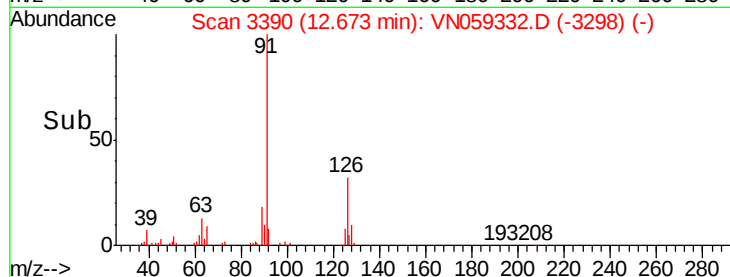
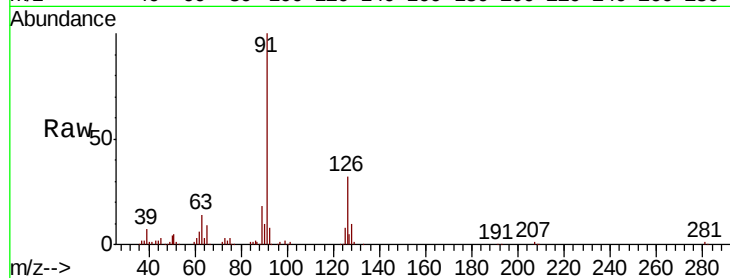
ClientSampleId :

Tot Ion: 91 Resp: 219230

Ion Ratio Lower Upper

91 100

126 33.2 16.7 50.1



#80

1,3,5-Trimethylbenzene

Concen: 14.976 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN059332.D

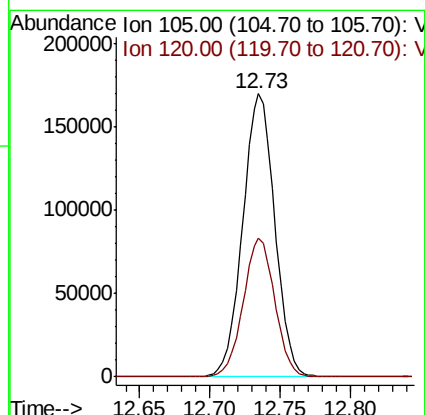
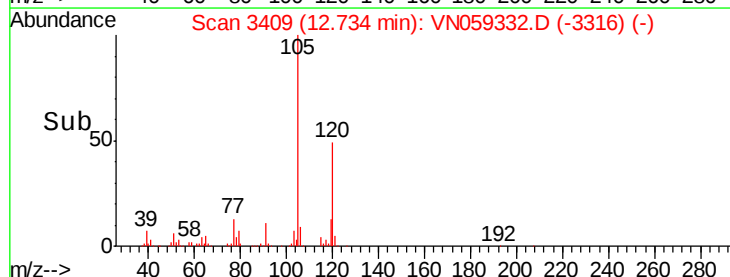
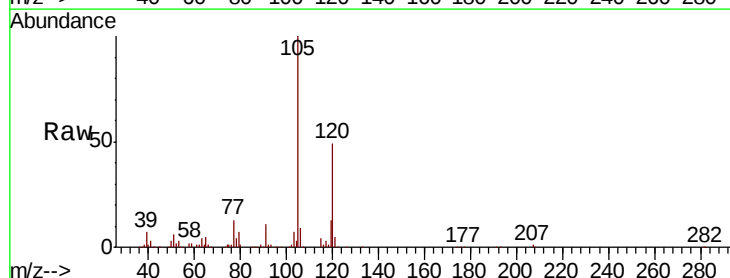
Acq: 21 Nov 2019 14:01

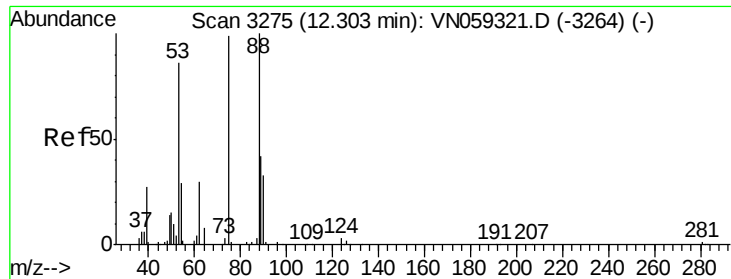
Tgt Ion: 105 Resp: 270163

Ion Ratio Lower Upper

105 100

120 48.3 24.1 72.4





#81

trans-1,4-Dichloro-2-butene

Concen: 14.329 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN059332.D

Acq: 21 Nov 2019 14:01

Instrument :

MSVOA_N

ClientSampleId :

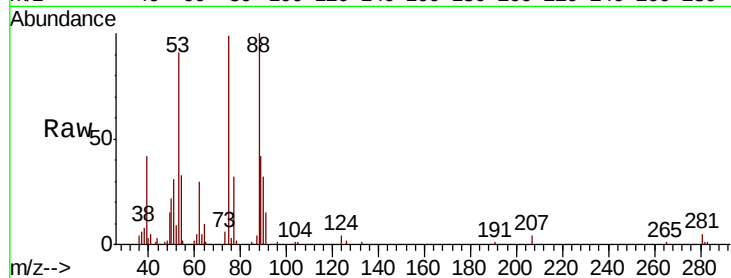
Tot Ion: 75 Resp: 34672

Ion Ratio Lower Upper

75 100

53 88.2 70.7 106.1

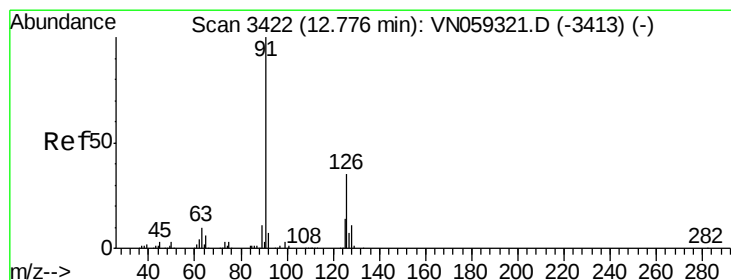
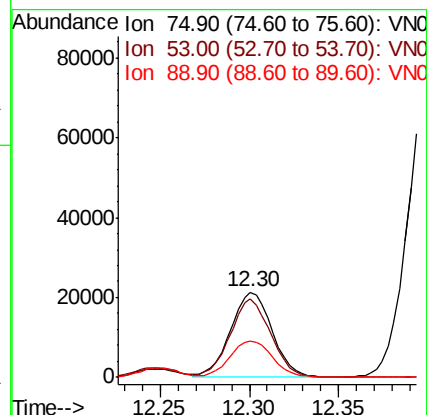
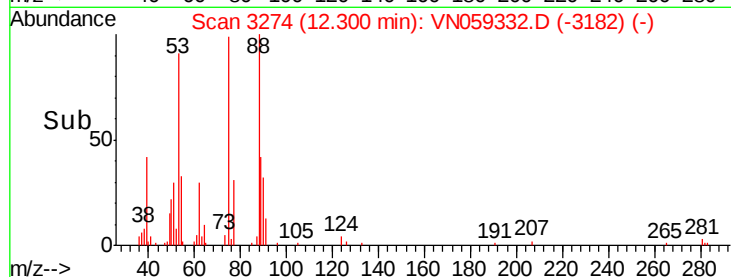
89 43.9 35.4 53.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 14.278 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN059332.D

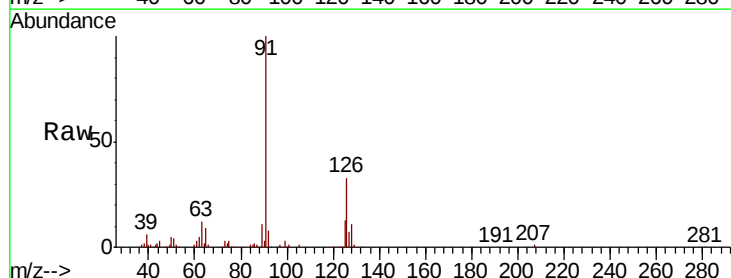
Acq: 21 Nov 2019 14:01

Tgt Ion: 91 Resp: 220460

Ion Ratio Lower Upper

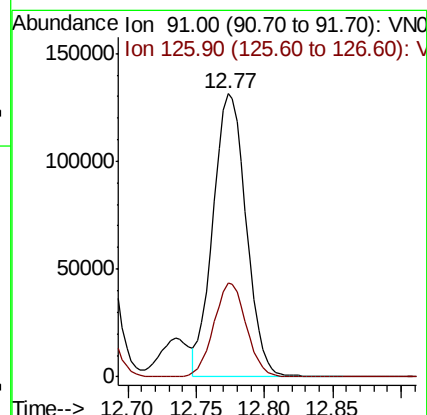
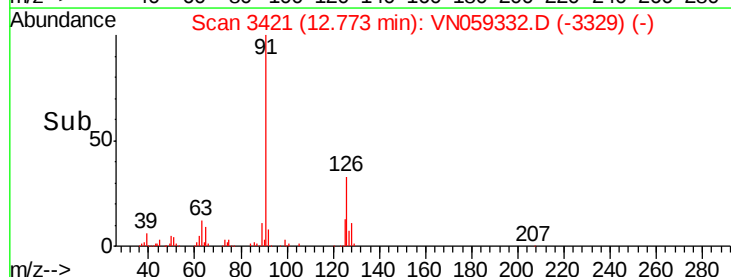
91 100

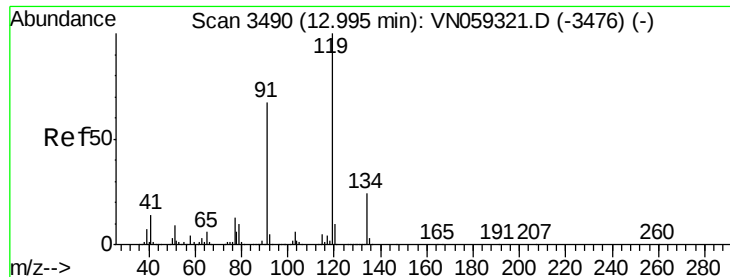
126 32.8 16.2 48.6



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 14.989 ug/l

RT: 12.99 min Scan# 3490

Delta R.T. 0.00 min

Lab File: VN059332.D

Acq: 21 Nov 2019 14:01

Instrument :

MSVOA_N

ClientSampleId :

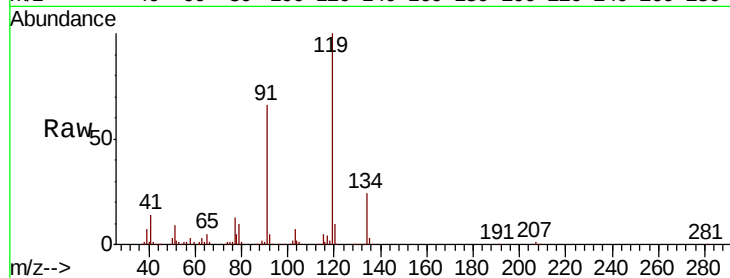
Tot Ion:119 Resp: 228370

Ion Ratio Lower Upper

119 100

91 66.0 32.8 98.4

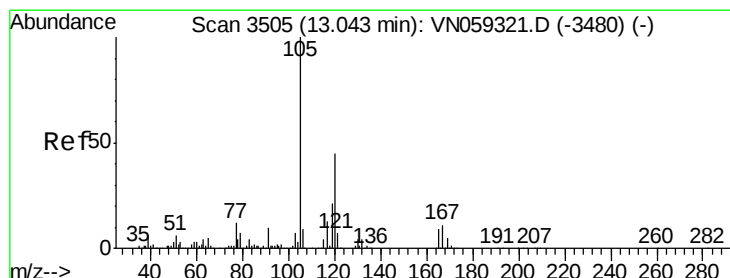
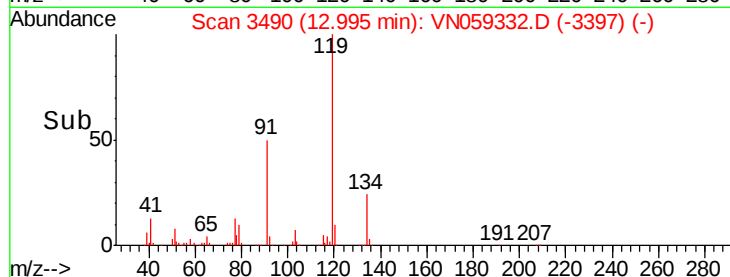
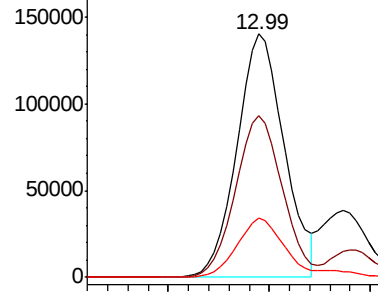
134 23.8 13.0 38.9



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 14.797 ug/l

RT: 13.04 min Scan# 3505

Delta R.T. 0.00 min

Lab File: VN059332.D

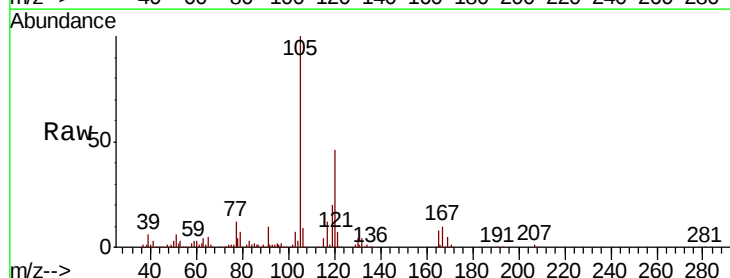
Acq: 21 Nov 2019 14:01

Tgt Ion:105 Resp: 261485

Ion Ratio Lower Upper

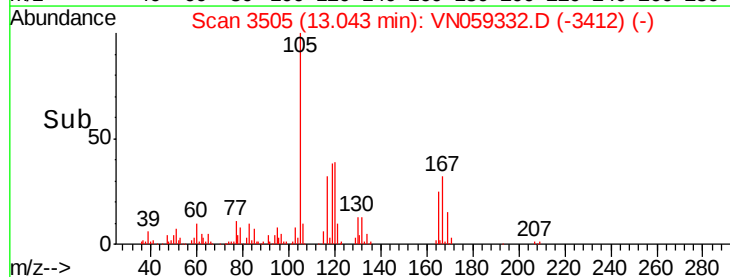
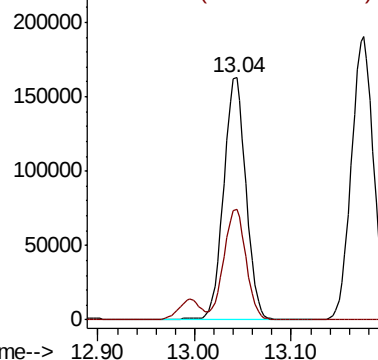
105 100

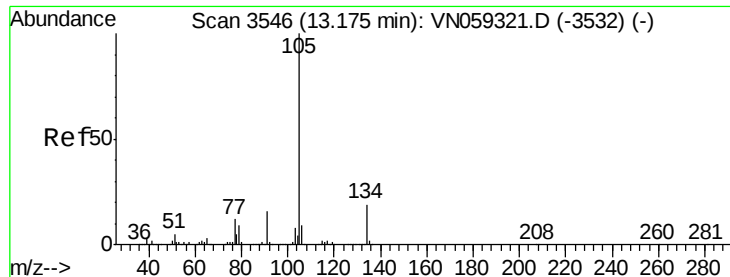
120 45.5 22.6 67.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 14.886 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. 0.00 min

Lab File: VN059332.D

Acq: 21 Nov 2019 14:01

Instrument :

MSVOA_N

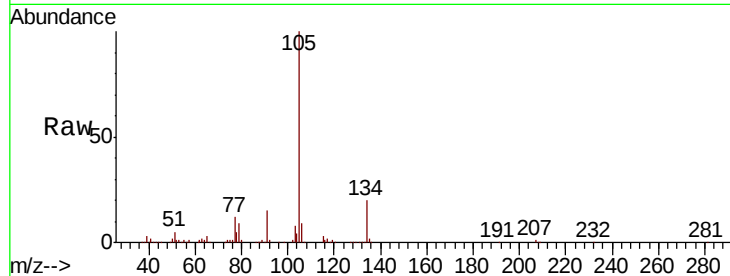
ClientSampleId :

Tot Ion:105 Resp: 304828

Ion Ratio Lower Upper

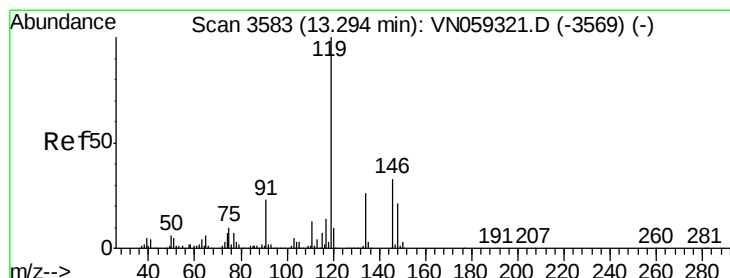
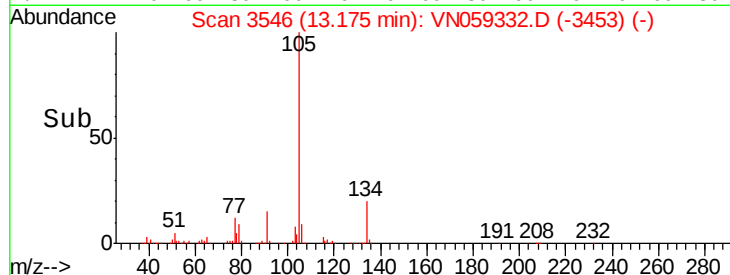
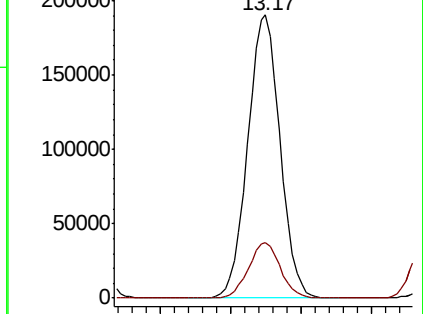
105 100

134 19.4 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: 14.740 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. -0.00 min

Lab File: VN059332.D

Acq: 21 Nov 2019 14:01

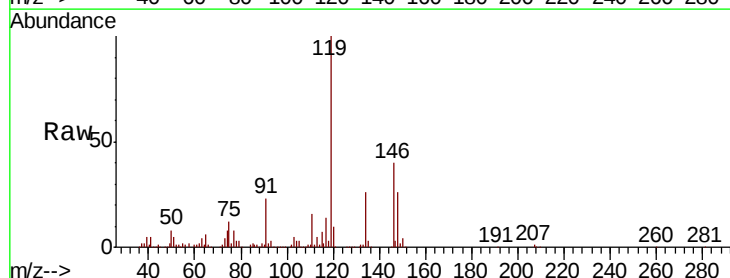
Tgt Ion:119 Resp: 268595

Ion Ratio Lower Upper

119 100

134 25.9 13.0 38.9

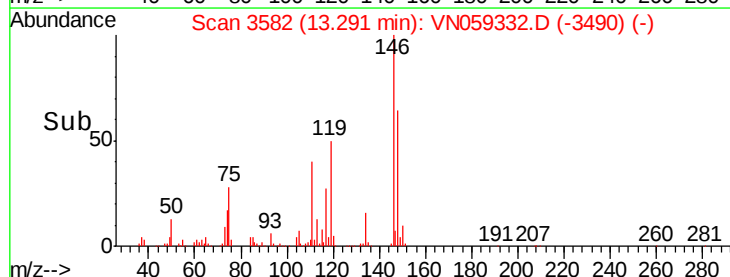
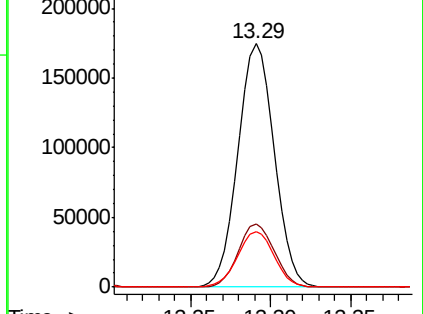
91 23.2 11.6 34.7



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: 14.205 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN059332.D

Acq: 21 Nov 2019 14:01

Instrument :

MSVOA_N

ClientSampled :

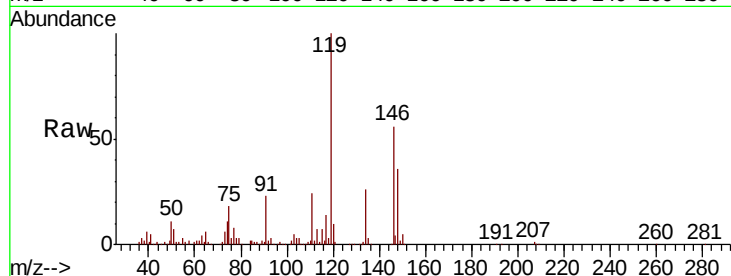
Tot Ion:146 Resp: 131671

Ion Ratio Lower Upper

146 100

111 41.8 20.6 61.8

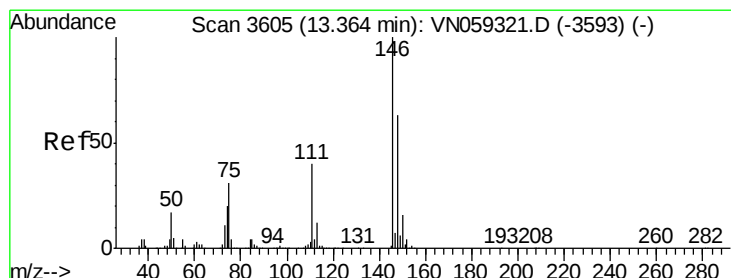
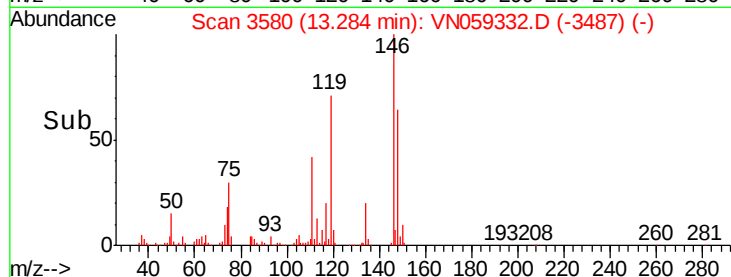
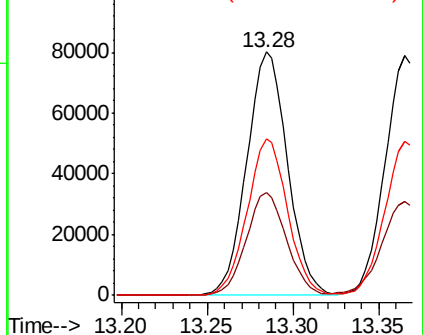
148 63.8 31.9 95.5



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 14.183 ug/l

RT: 13.36 min Scan# 3605

Delta R.T. 0.00 min

Lab File: VN059332.D

Acq: 21 Nov 2019 14:01

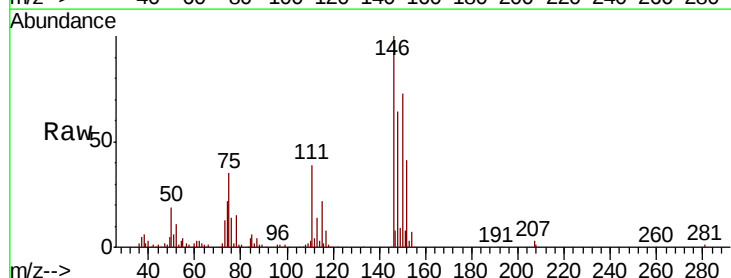
Tgt Ion:146 Resp: 130078

Ion Ratio Lower Upper

146 100

111 41.6 20.1 60.3

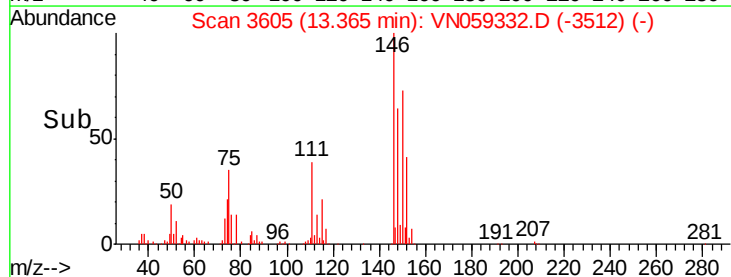
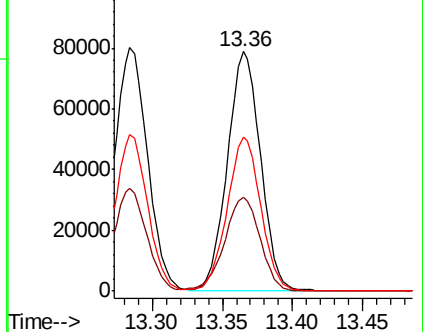
148 64.9 31.7 95.1

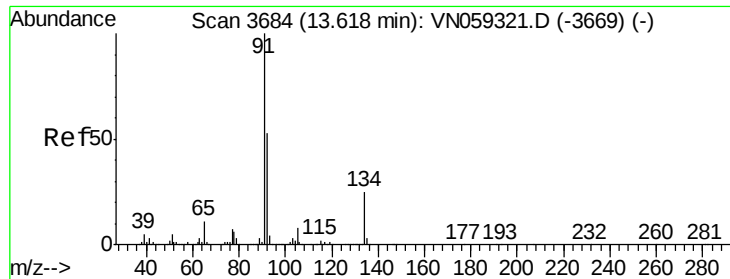


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 14.022 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. -0.00 min

Lab File: VN059332.D

Acq: 21 Nov 2019 14:01

Instrument :

MSVOA_N

ClientSampleId :

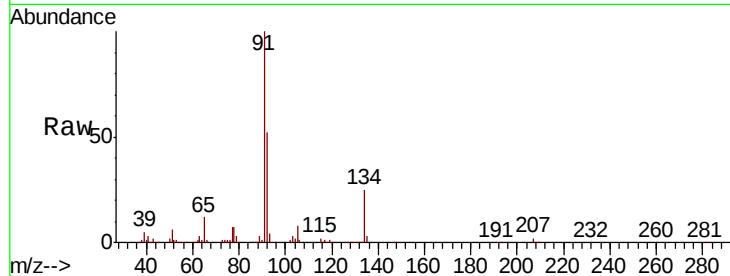
Tot Ion: 91 Resp: 224149

Ion Ratio Lower Upper

91 100

92 52.1 26.0 78.0

134 25.2 12.7 38.1



Abundance Ion 91.00 (90.70 to 91.70): VN059332.D (-3669) (-)

Ion 92.00 (91.70 to 92.70): VN059332.D (-3669) (-)

Ion 134.00 (133.70 to 134.70): VN059332.D (-3669) (-)

13.62

150000

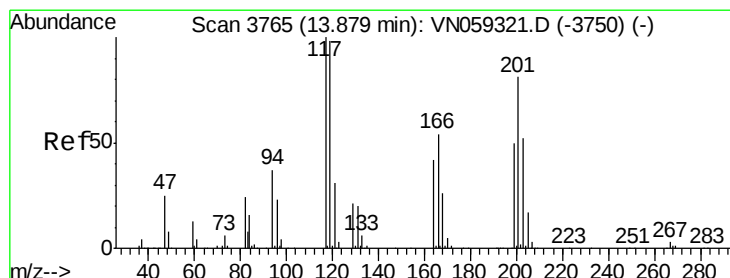
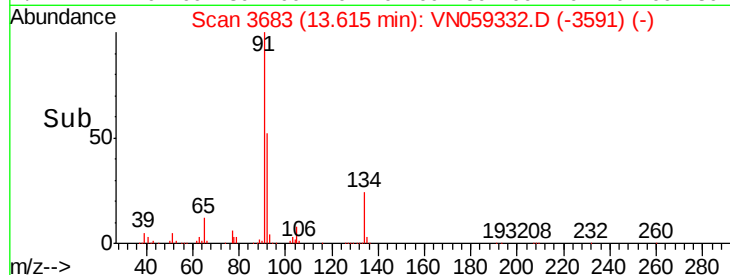
100000

50000

0

13.55 13.60 13.65 13.70

Time-->



#90

Hexachloroethane

Concen: 14.466 ug/l

RT: 13.88 min Scan# 3764

Delta R.T. -0.00 min

Lab File: VN059332.D

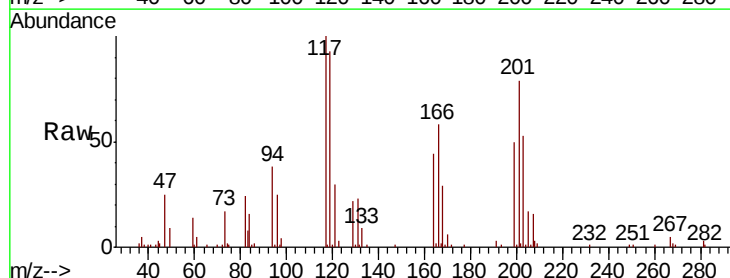
Acq: 21 Nov 2019 14:01

Tgt Ion: 117 Resp: 49922

Ion Ratio Lower Upper

117 100

201 80.0 40.4 121.2



Abundance Ion 116.80 (116.50 to 117.50): VN059332.D (-3672) (-)

Ion 200.70 (200.40 to 201.40): VN059332.D (-3672) (-)

13.88

30000

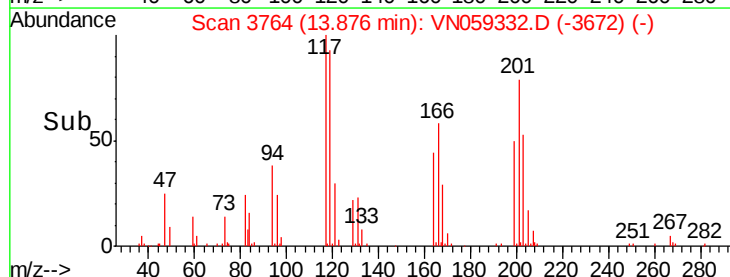
20000

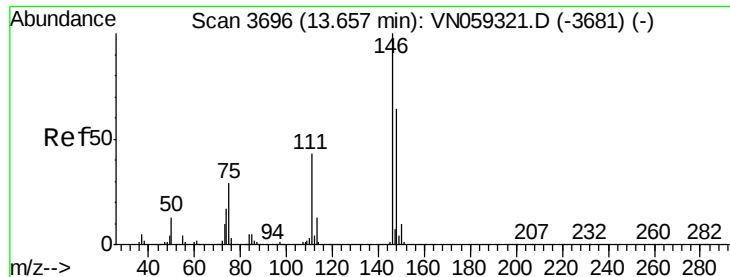
10000

0

13.80 13.85 13.90 13.95

Time-->





#91

1,2-Dichlorobenzene

Concen: 14.552 ug/l

RT: 13.66 min Scan# 3696

Delta R.T. 0.00 min

Lab File: VN059332.D

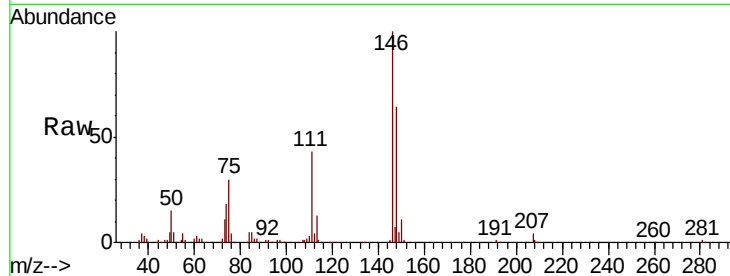
Acq: 21 Nov 2019 14:01

Instrument :

MSVOA_N

ClientSampled :

Tot Ion:	146	Resp:	130509
Ion	Ratio	Lower	Upper
146	100		
111	41.8	21.3	64.0
148	63.6	31.9	95.5

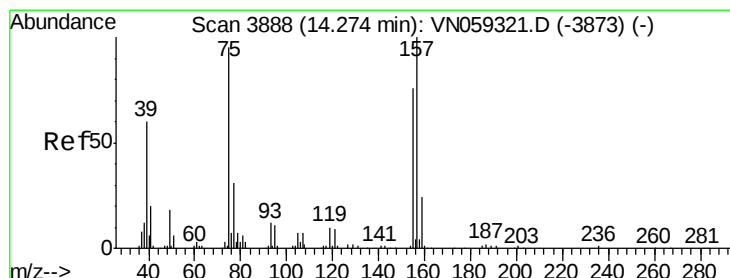
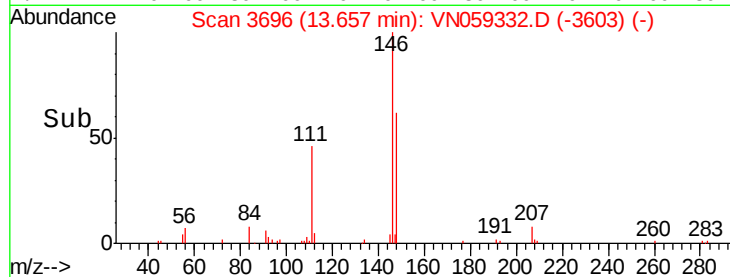
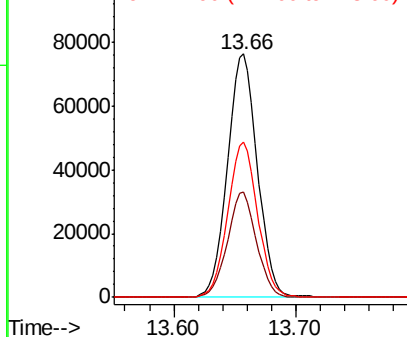


Abundance

Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 13.325 ug/l

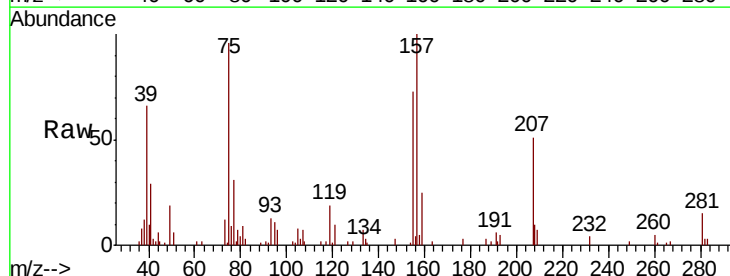
RT: 14.27 min Scan# 3887

Delta R.T. -0.00 min

Lab File: VN059332.D

Acq: 21 Nov 2019 14:01

Tgt Ion:	75	Resp:	20110
Ion	Ratio	Lower	Upper
75	100		
155	80.7	40.5	121.5
157	104.4	52.7	158.1

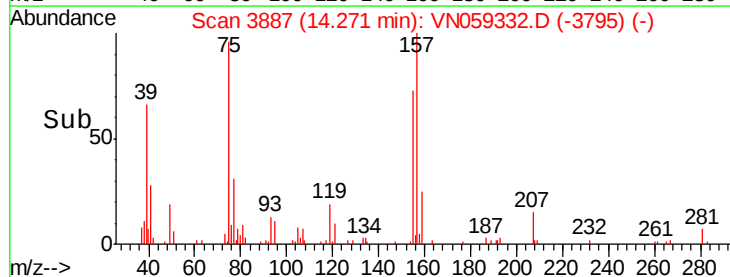
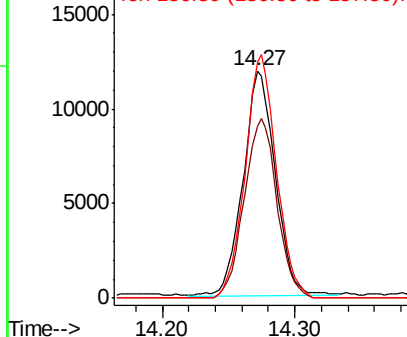


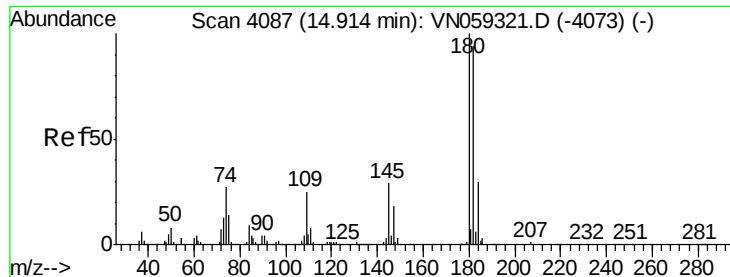
Abundance

Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

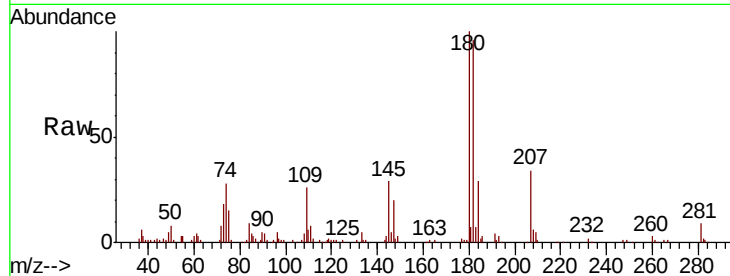




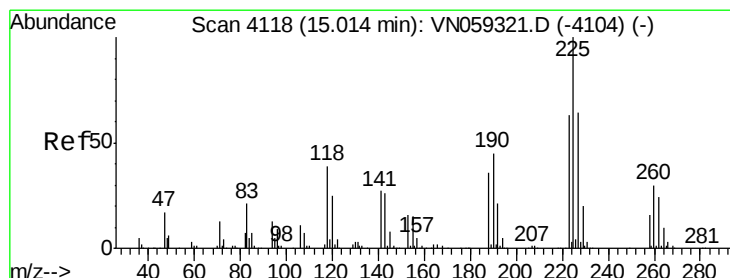
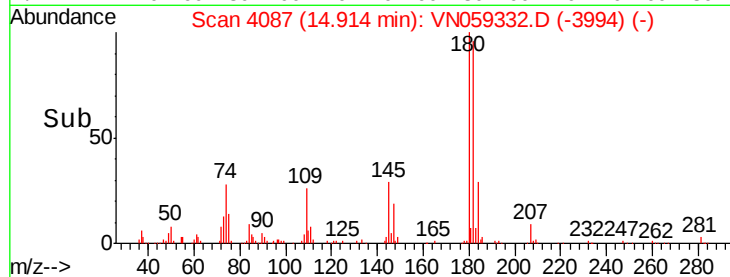
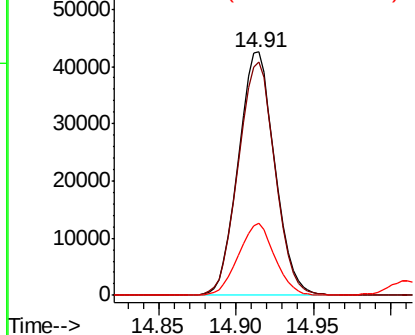
#93
 1,2,4-Trichlorobenzene
 Concen: 14.709 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN059332.D
 Acq: 21 Nov 2019 14:01

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion:180 Resp: 69756
 Ion Ratio Lower Upper
 180 100
 182 96.5 47.2 141.6
 145 29.5 14.9 44.5

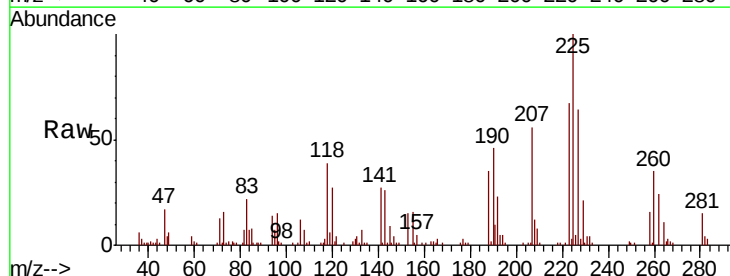


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

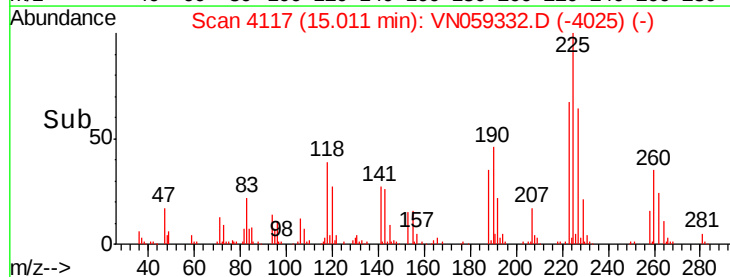
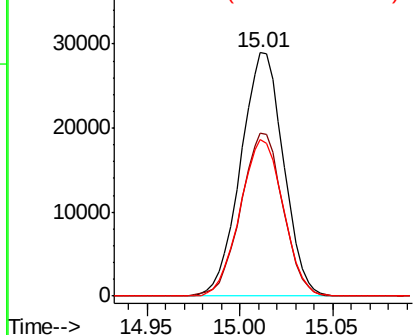


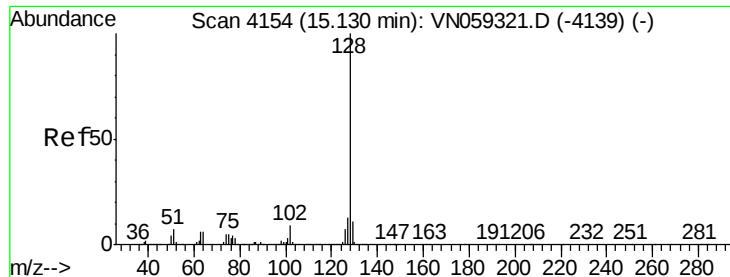
#94
 Hexachlorobutadiene
 Concen: 14.354 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN059332.D
 Acq: 21 Nov 2019 14:01

Tgt Ion:225 Resp: 46381
 Ion Ratio Lower Upper
 225 100
 223 65.8 31.6 94.8
 227 64.9 32.6 97.7



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 14.817 ug/l

RT: 15.13 min Scan# 4153

Delta R.T. -0.00 min

Lab File: VN059332.D

Acq: 21 Nov 2019 14:01

Instrument :

MSVOA_N

ClientSampleId :

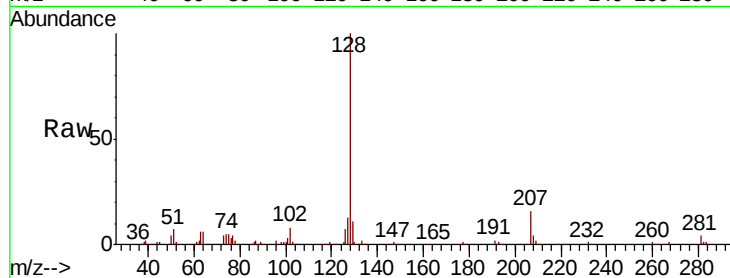
Tot Ion:128 Resp: 192082

Ion Ratio Lower Upper

128 100

127 12.7 10.2 15.2

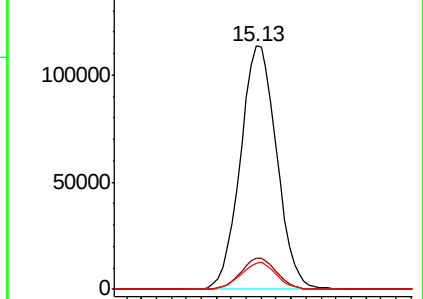
129 10.9 8.6 13.0



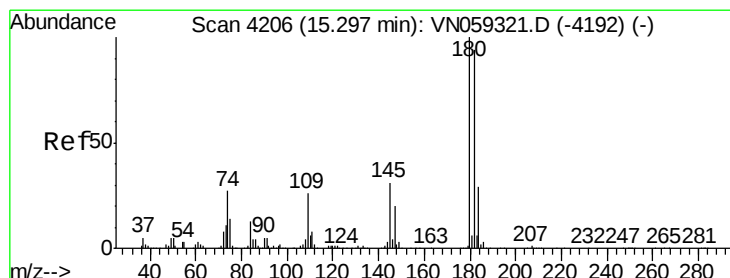
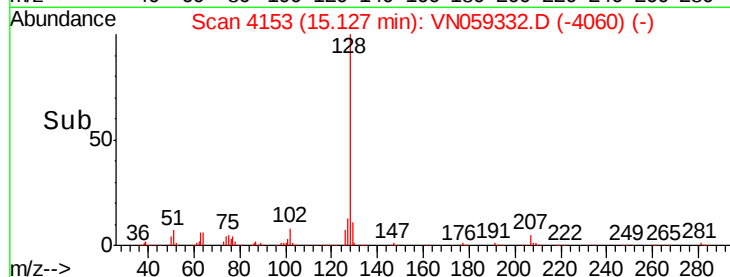
Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



Time-->



#96

1,2,3-Trichlorobenzene

Concen: 14.848 ug/l

RT: 15.30 min Scan# 4206

Delta R.T. 0.00 min

Lab File: VN059332.D

Acq: 21 Nov 2019 14:01

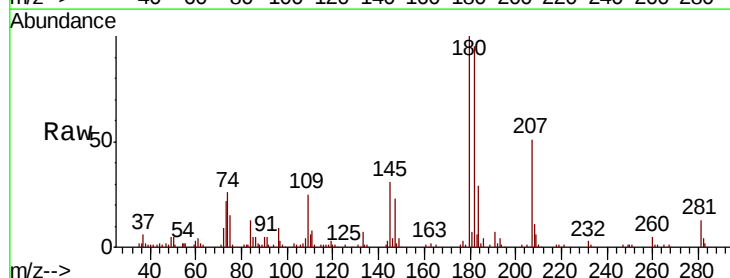
Tgt Ion:180 Resp: 73681

Ion Ratio Lower Upper

180 100

182 94.6 47.1 141.4

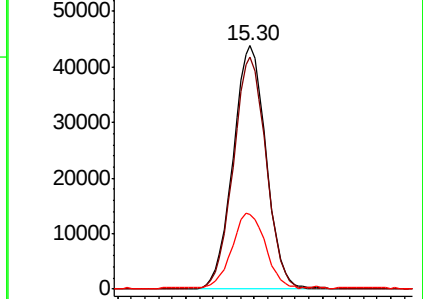
145 30.8 15.6 46.8



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



Time-->

