

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN112019\
 Data File : VN059318.D
 Acq On : 20 Nov 2019 11:25
 Operator : JC/SP
 Sample : VSTDIC001
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 21 06:14:46 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112019W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 21 06:09:11 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	363817	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	579880	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	495648	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	194306	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	3582	0.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	1.64%	
35) Dibromofluoromethane	7.57	113	2453	0.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	1.42%	
50) Toluene-d8	10.08	98	10083	0.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	1.46%	
62) 4-Bromofluorobenzene	12.40	95	3812	0.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	1.58%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.83	85	3828	0.822	ug/l	99
3) Chloromethane	2.04	50	5067	0.888	ug/l	94
4) Vinyl Chloride	2.17	62	5168	0.880	ug/l	90
5) Bromomethane	2.55	94	4064	1.254	ug/l	91
6) Chloroethane	2.69	64	3435	1.071	ug/l	94
7) Trichlorofluoromethane	3.00	101	5350	0.846	ug/l	86
8) Diethyl Ether	3.38	74	1372	0.530	ug/l #	22
9) 1,1,2-Trichlorotrifluoroet	3.73	101	3106	0.803	ug/l	98
10) Methyl Iodide	3.93	142	3143	0.654	ug/l #	92
11) Tert butyl alcohol	4.74	59	4035	4.617	ug/l #	73
12) 1,1-Dichloroethene	3.72	96	3441	0.876	ug/l #	78
13) Acrolein	3.58	56	2788	3.495	ug/l	88
14) Allyl chloride	4.29	41	5617	0.766	ug/l #	68
15) Acrylonitrile	4.96	53	9760	4.224	ug/l	96
16) Acetone	3.79	43	9671	4.941	ug/l	98
17) Carbon Disulfide	4.03	76	14184	1.289	ug/l	95
18) Methyl Acetate	4.29	43	6065	0.934	ug/l #	85
19) Methyl tert-butyl Ether	5.00	73	5625	0.444	ug/l #	90
20) Methylene Chloride	4.53	84	4180	0.947	ug/l	93
21) trans-1,2-Dichloroethene	5.02	96	4194	1.008	ug/l #	68
22) Diisopropyl ether	5.92	45	10985	0.795	ug/l #	74
23) Vinyl Acetate	5.87	43	42762	3.937	ug/l	97
24) 1,1-Dichloroethane	5.82	63	6736	0.866	ug/l #	85
25) 2-Butanone	6.81	43	12867	4.228	ug/l	99
26) 2,2-Dichloropropane	6.79	77	6182	0.918	ug/l	88
27) cis-1,2-Dichloroethene	6.80	96	3953	0.842	ug/l	97
28) Bromochloromethane	7.17	49	1272	2.734	ug/l #	99
29) Tetrahydrofuran	7.19	42	8895	4.227	ug/l	88
30) Chloroform	7.35	83	9867	1.173	ug/l	85
31) Cyclohexane	7.63	56	12949	1.685	ug/l #	27
32) 1,1,1-Trichloroethane	7.54	97	5206	0.803	ug/l #	50
36) 1,1-Dichloropropene	7.77	75	5169	0.863	ug/l #	80
37) Ethyl Acetate	6.91	43	4700	0.731	ug/l #	86
38) Carbon Tetrachloride	7.75	117	4826	0.842	ug/l	92

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Quant Time: Nov 21 06:14:46 2019
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 Quant Title : SW846 8260
 QLast Update : Thu Nov 21 06:09:11 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	6006	0.832	ug/l	95
40) Benzene	8.02	78	14624	0.832	ug/l	99
41) Methacrylonitrile	7.15	41	2163	0.757	ug/l #	100
42) 1,2-Dichloroethane	8.11	62	5111	0.880	ug/l	87
43) Isopropyl Acetate	8.15	43	7414	0.754	ug/l #	82
44) Trichloroethene	8.82	130	4105	0.922	ug/l	98
45) 1,2-Dichloropropane	9.10	63	4054	0.865	ug/l	93
46) Dibromomethane	9.19	93	2414	0.840	ug/l	99
47) Bromodichloromethane	9.39	83	4876	0.847	ug/l #	99
48) Methyl methacrylate	9.19	41	3694	0.826	ug/l #	88
49) 1,4-Dioxane	9.19	88	1289	19.181	ug/l	96
51) 4-Methyl-2-Pentanone	9.98	43	22164	3.851	ug/l	97
52) Toluene	10.15	92	8566	0.811	ug/l	93
53) t-1,3-Dichloropropene	10.38	75	5330	0.797	ug/l #	53
54) cis-1,3-Dichloropropene	9.83	75	5496	0.757	ug/l	94
55) 1,1,2-Trichloroethane	10.55	97	3520	0.857	ug/l	95
56) Ethyl methacrylate	10.43	69	4323	2.788	ug/l	87
57) 1,3-Dichloropropane	10.70	76	5993	0.837	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	8684	25.883	ug/l	98
59) 2-Hexanone	10.75	43	17624	4.182	ug/l	96
60) Dibromochloromethane	10.90	129	3032	0.700	ug/l	88
61) 1,2-Dibromoethane	11.00	107	3167	0.741	ug/l	100
64) Tetrachloroethene	10.62	164	3816	0.995	ug/l	87
65) Chlorobenzene	11.43	112	9974	0.936	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.51	131	2805	0.724	ug/l #	46
67) Ethyl Benzene	11.51	91	15950	0.838	ug/l	98
68) m/p-Xylenes	11.62	106	11703	1.655	ug/l	94
69) o-Xylene	11.95	106	5538	0.818	ug/l	99
70) Styrene	11.97	104	8355	0.782	ug/l	95
71) Bromoform	12.13	173	2448	0.835	ug/l #	99
73) Isopropylbenzene	12.25	105	15033	0.944	ug/l	97
74) N-amyl acetate	12.08	43	6258	0.978	ug/l #	92
75) 1,1,2,2-Tetrachloroethane	12.51	83	5120	0.972	ug/l	95
76) 1,2,3-Trichloropropane	12.55	75	7007	1.561	ug/l #	100
77) Bromobenzene	12.53	156	4102	1.062	ug/l	92
78) n-propylbenzene	12.59	91	17103	0.949	ug/l	99
79) 2-Chlorotoluene	12.68	91	11302	1.021	ug/l	93
80) 1,3,5-Trimethylbenzene	12.73	105	12113	0.905	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	1577	0.879	ug/l #	84
82) 4-Chlorotoluene	12.78	91	11180	0.976	ug/l	100
83) tert-Butylbenzene	13.00	119	10918	0.966	ug/l	96
84) 1,2,4-Trimethylbenzene	13.04	105	12237	0.934	ug/l	99
85) sec-Butylbenzene	13.17	105	14315	0.942	ug/l	99
86) p-Isopropyltoluene	13.29	119	13013	0.963	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	8324	1.211	ug/l	93
88) 1,4-Dichlorobenzene	13.28	146	8324	1.224	ug/l	93
89) n-Butylbenzene	13.62	91	12664	1.068	ug/l	97
90) Hexachloroethane	13.88	117	2636	1.030	ug/l	77
91) 1,2-Dichlorobenzene	13.66	146	8069	1.213	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	14.27	75	2081	1.859	ug/l	54

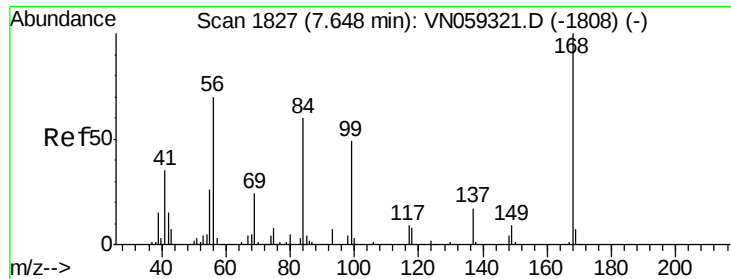
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	7455	4.634	ug/l	98
94) Hexachlorobutadiene	15.01	225	3528	1.472	ug/l	99
95) Naphthalene	15.13	128	32892	5.858	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	10043	4.281	ug/l	96

(#) = 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: VN059318.D

Acq: 20 Nov 2019 11:25

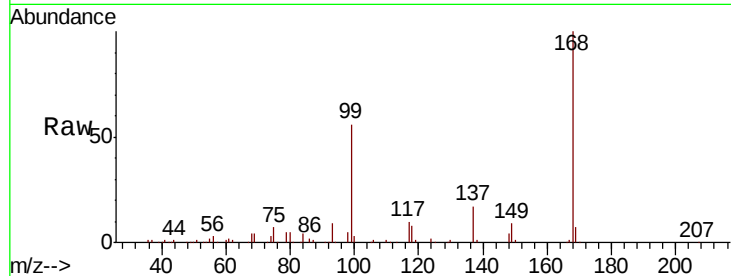
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 363817

Ion Ratio Lower Upper

168 100

99 56.2 44.6 66.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.64

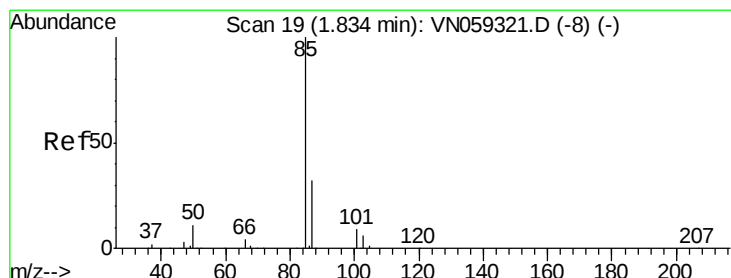
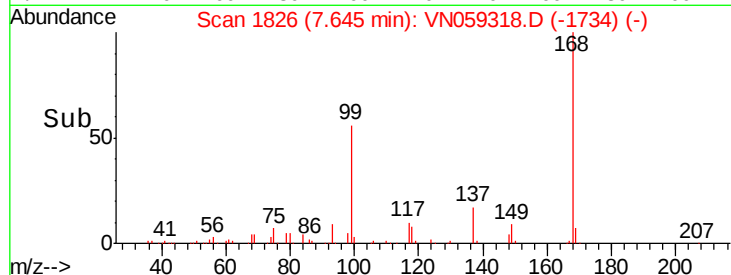
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 0.822 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN059318.D

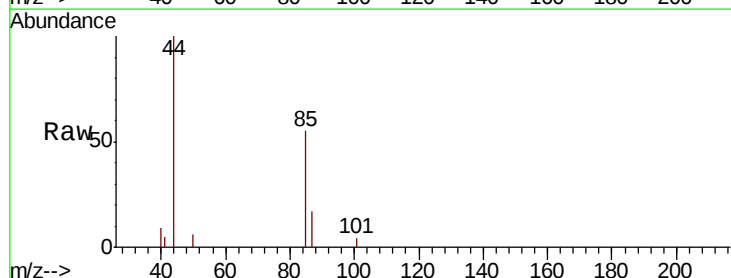
Acq: 20 Nov 2019 11:25

Tgt Ion: 85 Resp: 3828

Ion Ratio Lower Upper

85 100

87 31.2 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

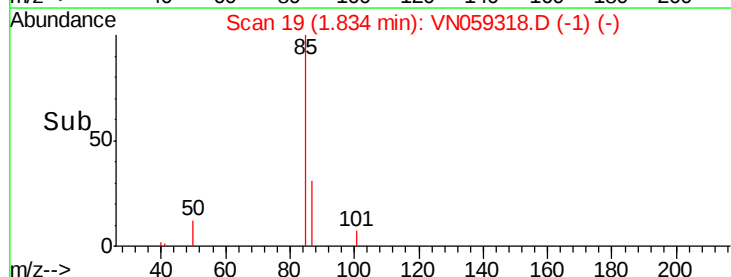
3000

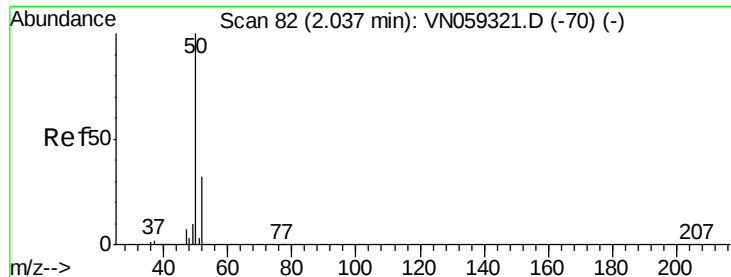
2000

1000

0

Time-->





#3

Chloromethane

Concen: 0.888 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN059318.D

Acq: 20 Nov 2019 11:25

Instrument :

MSVOA_N

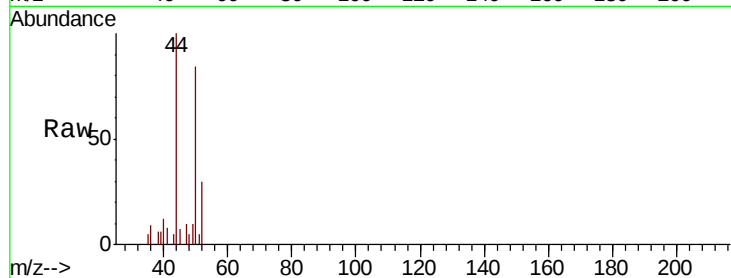
ClientSampleId :

Tot Ion: 50 Resp: 5067

Ion Ratio Lower Upper

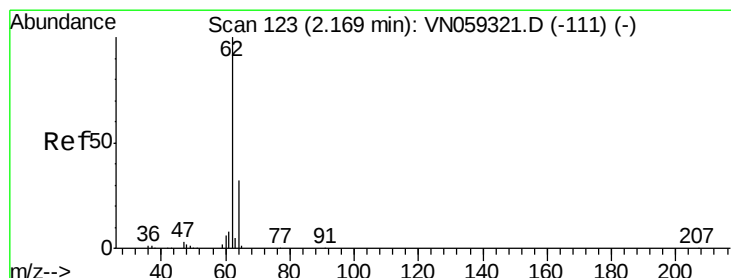
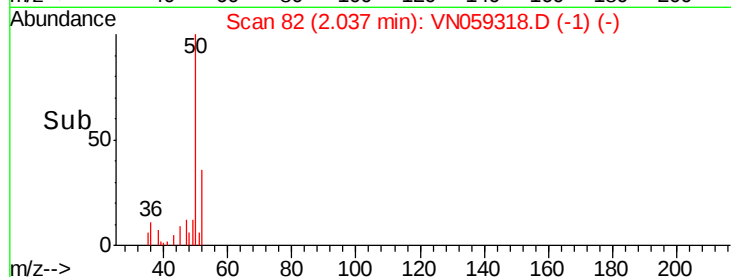
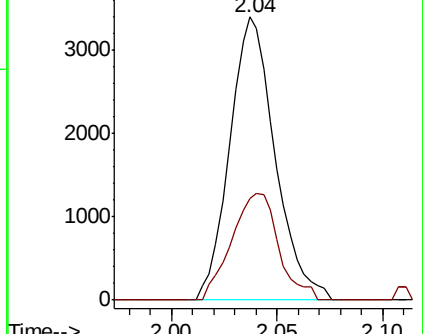
50 100

52 35.9 26.0 39.0



Abundance Ion 49.90 (49.60 to 50.60): VNC

Ion 51.90 (51.60 to 52.60): VNC



#4

Vinyl Chloride

Concen: 0.880 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN059318.D

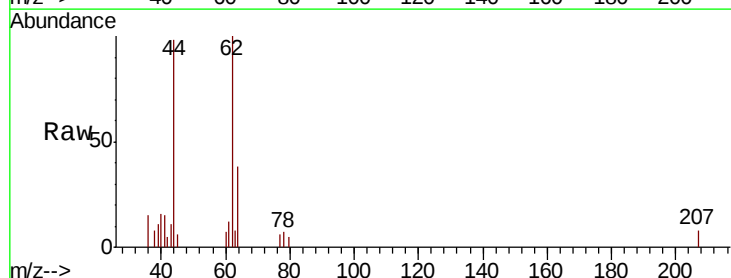
Acq: 20 Nov 2019 11:25

Tgt Ion: 62 Resp: 5168

Ion Ratio Lower Upper

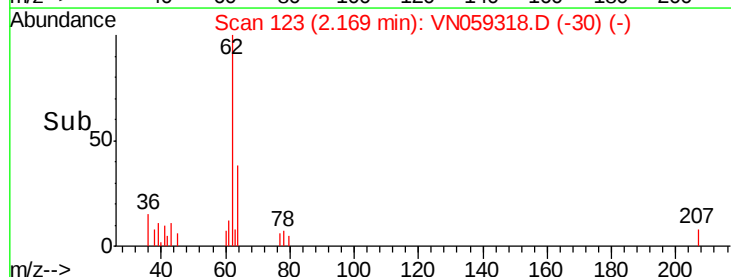
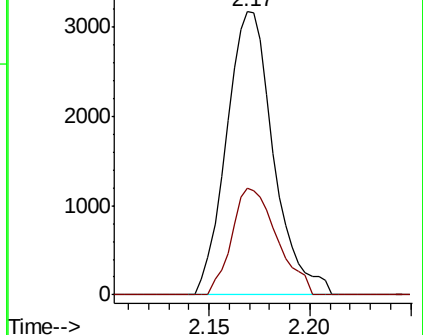
62 100

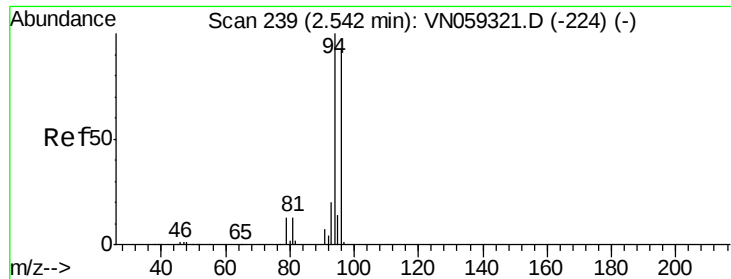
64 37.5 25.4 38.0



Abundance Ion 61.90 (61.60 to 62.60): VNC

Ion 63.90 (63.60 to 64.60): VNC





#5

Bromomethane

Concen: 1.254 ug/l

RT: 2.55 min Scan# 242

Delta R.T. 0.01 min

Lab File: VN059318.D

Acq: 20 Nov 2019 11:25

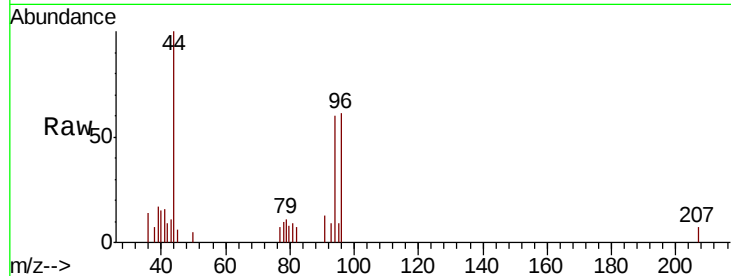
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 94 Resp: 4064

Ion Ratio Lower Upper

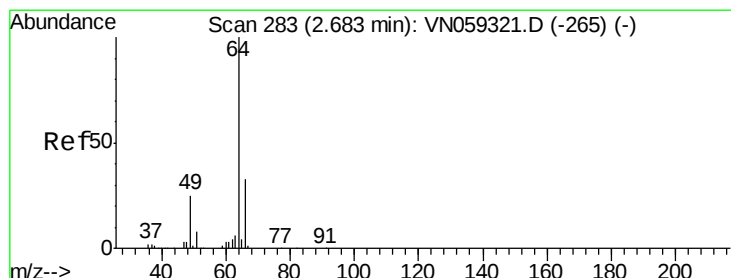
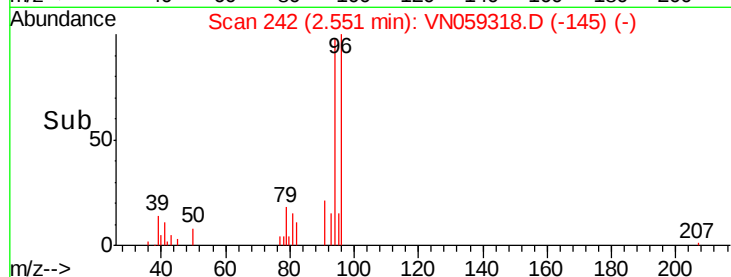
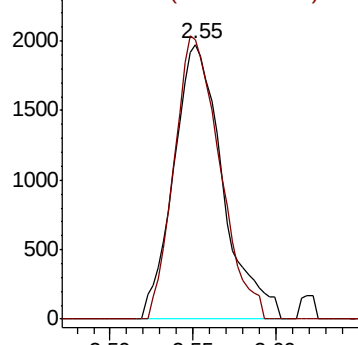
94 100

96 102.0 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: 1.071 ug/l

RT: 2.69 min Scan# 284

Delta R.T. 0.00 min

Lab File: VN059318.D

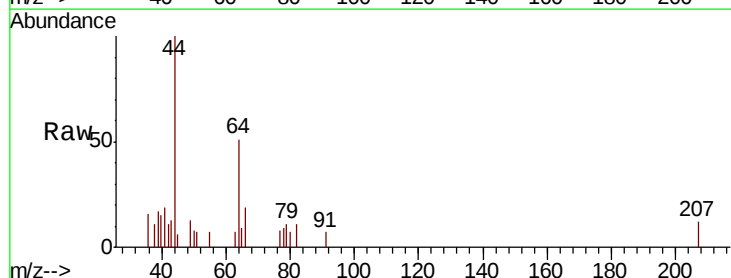
Acq: 20 Nov 2019 11:25

Tgt Ion: 64 Resp: 3435

Ion Ratio Lower Upper

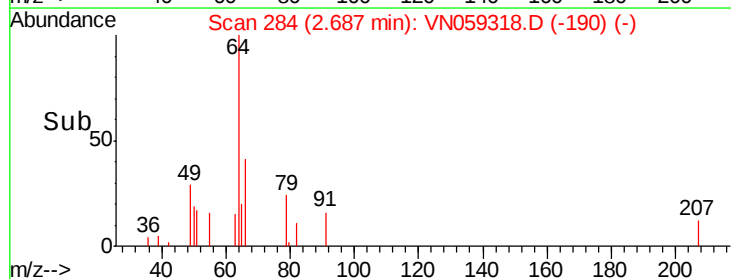
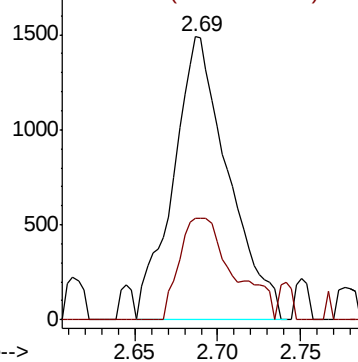
64 100

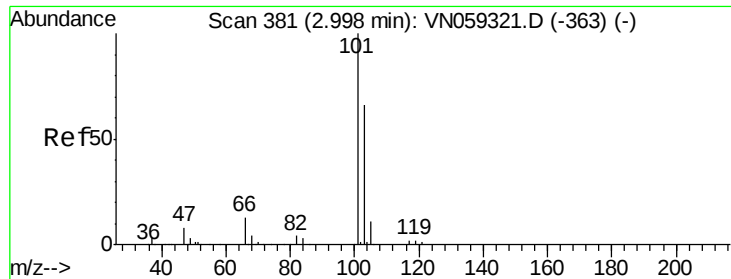
66 36.0 26.2 39.2



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



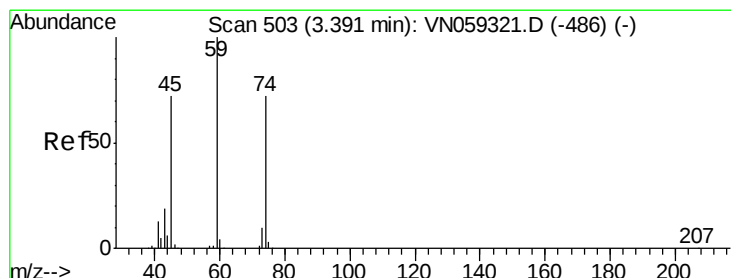
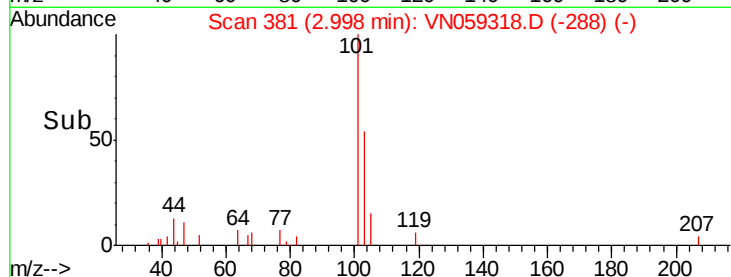
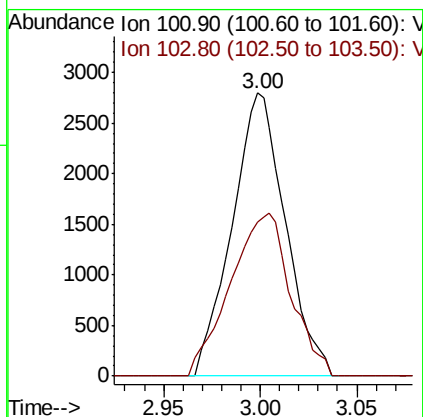
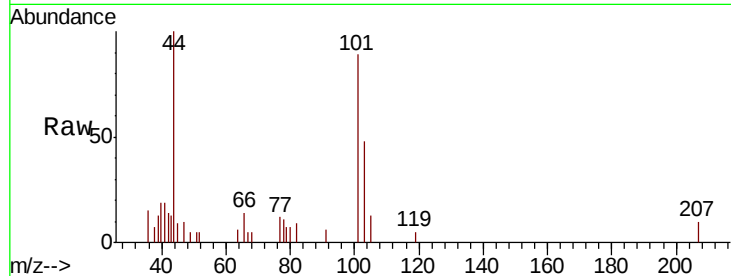


#7

Trichlorofluoromethane
Concen: 0.846 ug/l
RT: 3.00 min Scan# 381
Delta R.T. 0.00 min
Lab File: VN059318.D
Acq: 20 Nov 2019 11:25

Instrument :
MSVOA_N
ClientSampled :

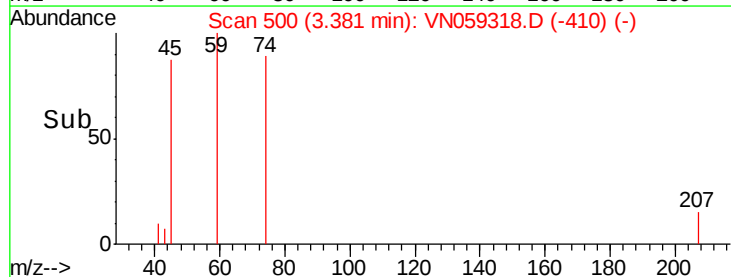
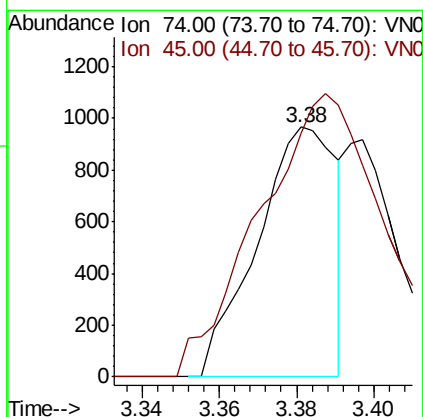
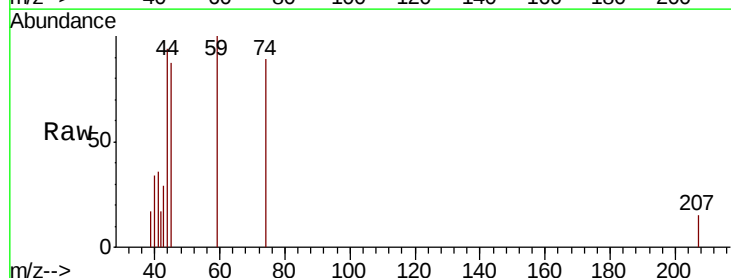
Tot Ion:101 Resp: 5350
Ion Ratio Lower Upper
101 100
103 54.2 52.5 78.7

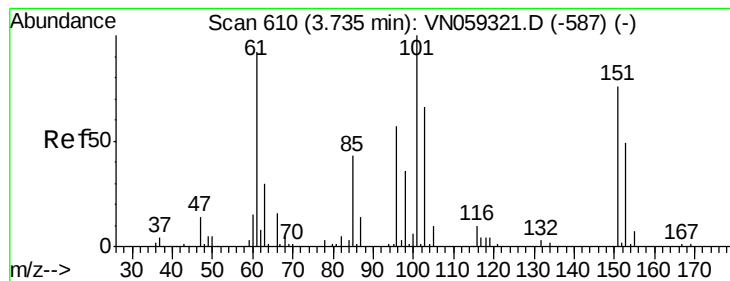


#8

Diethyl Ether
Concen: 0.530 ug/l
RT: 3.38 min Scan# 500
Delta R.T. -0.01 min
Lab File: VN059318.D
Acq: 20 Nov 2019 11:25

Tgt Ion: 74 Resp: 1372
Ion Ratio Lower Upper
74 100
45 183.4 51.7 155.2#





#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.803 ug/l

RT: 3.73 min Scan# 610

Delta R.T. 0.00 min

Lab File: VN059318.D

Acq: 20 Nov 2019 11:25

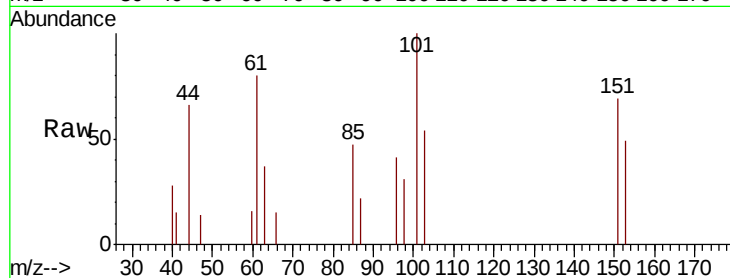
Instrument :

MSVOA_N

ClientSampled :

Tot Ion:101 Resp: 3106

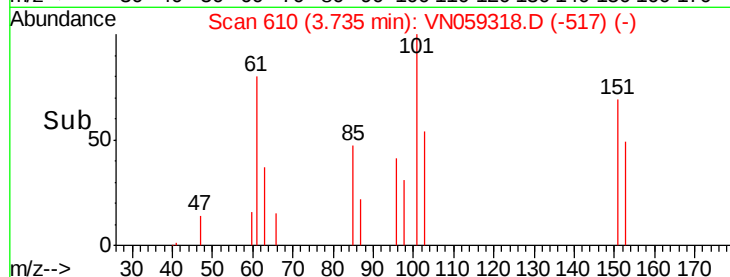
Ion	Ratio	Lower	Upper
101	100		
85	42.8	34.8	52.2
151	80.0	62.2	93.4



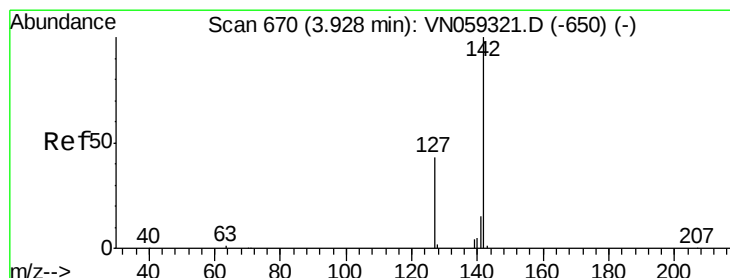
Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



Time-->



#10

Methyl Iodide

Concen: 0.654 ug/l

RT: 3.93 min Scan# 671

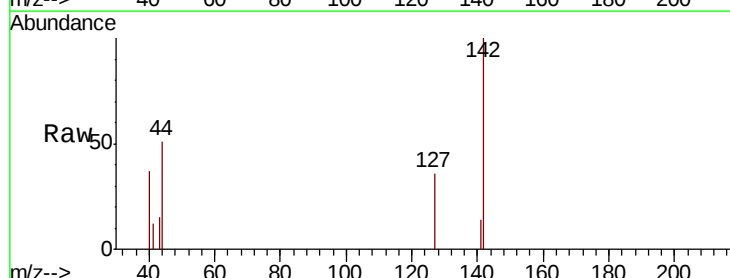
Delta R.T. 0.00 min

Lab File: VN059318.D

Acq: 20 Nov 2019 11:25

Tgt Ion:142 Resp: 3143

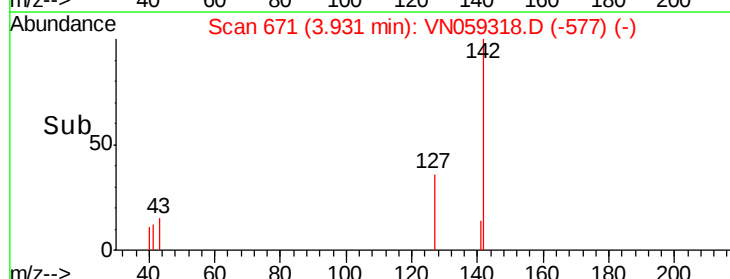
Ion	Ratio	Lower	Upper
142	100		
127	39.4	33.8	50.6
141	6.1	11.2	16.8#



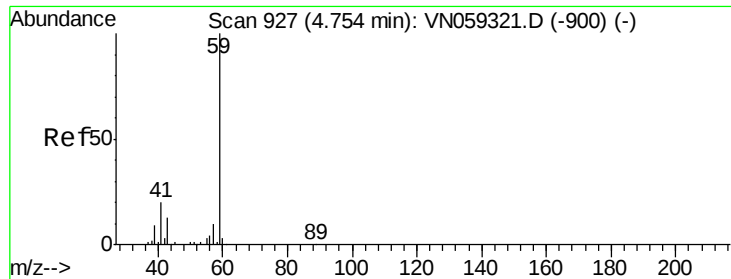
Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



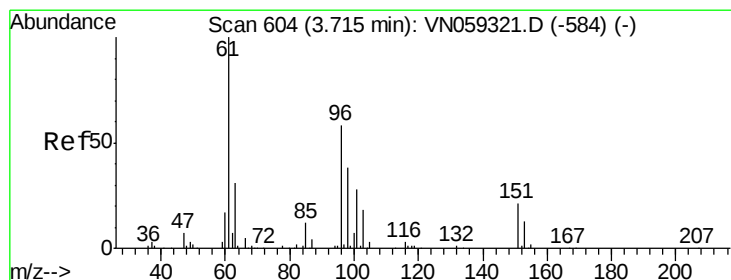
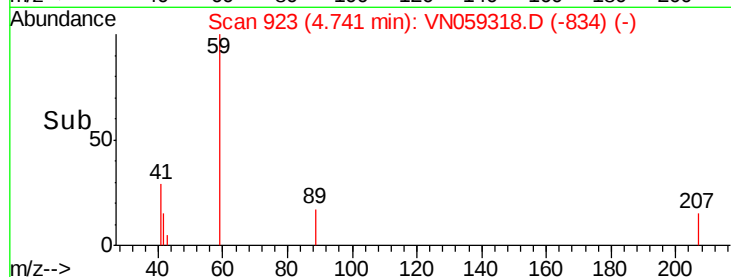
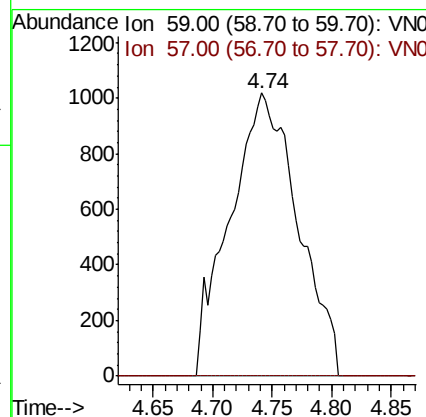
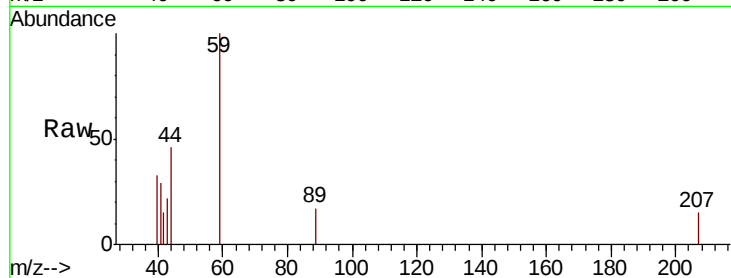
Time-->



#11
Tert butyl alcohol
Concen: 4.617 ug/l
RT: 4.74 min Scan# 923
Delta R.T. -0.01 min
Lab File: VN059318.D
Acq: 20 Nov 2019 11:25

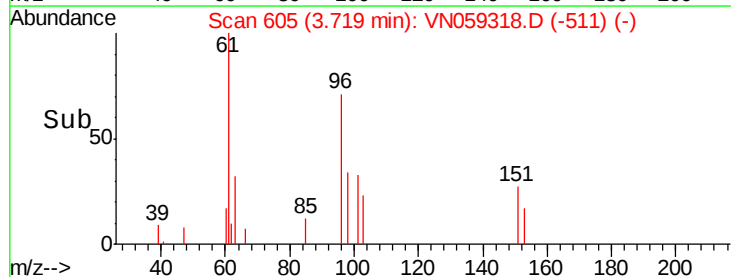
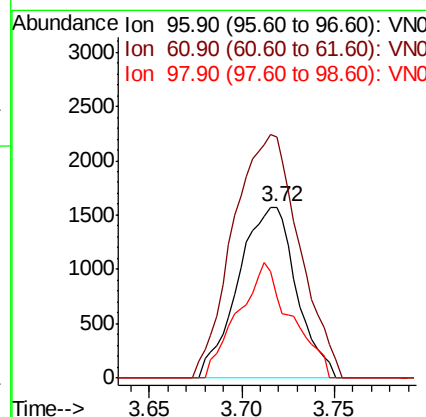
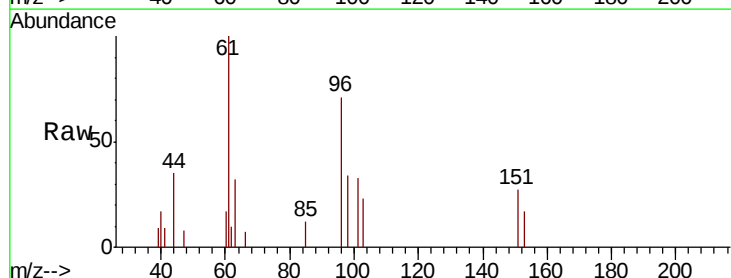
Instrument :
MSVOA_N
ClientSampled :

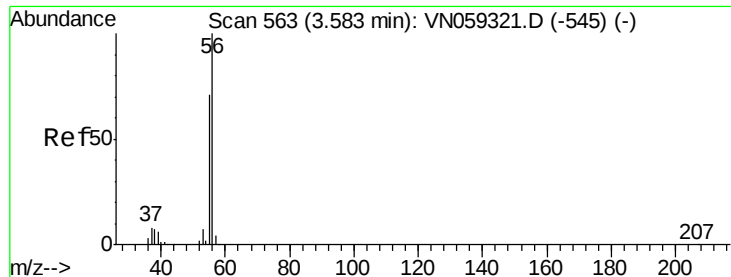
Tot Ion: 59 Resp: 4035
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#



#12
1,1-Dichloroethene
Concen: 0.876 ug/l
RT: 3.72 min Scan# 605
Delta R.T. 0.00 min
Lab File: VN059318.D
Acq: 20 Nov 2019 11:25

Tgt Ion: 96 Resp: 3441
Ion Ratio Lower Upper
96 100
61 140.9 136.8 205.2
98 47.2 51.6 77.4#





#13

Acrolein

Concen: 3.495 ug/l

RT: 3.58 min Scan# 563

Delta R.T. 0.00 min

Lab File: VN059318.D

Acq: 20 Nov 2019 11:25

Instrument :

MSVOA_N

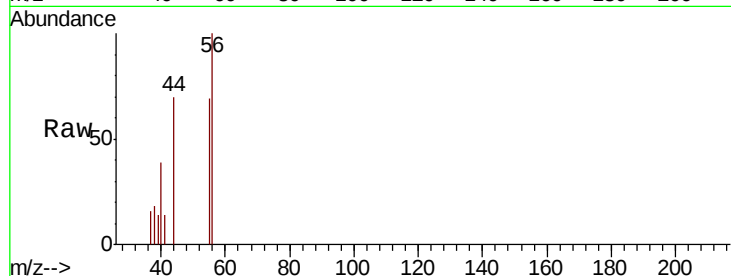
ClientSampled :

Tot Ion: 56 Resp: 2788

Ion Ratio Lower Upper

56 100

55 81.6 57.4 86.0



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

3.58

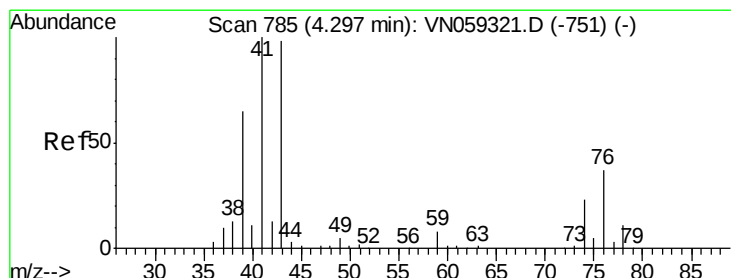
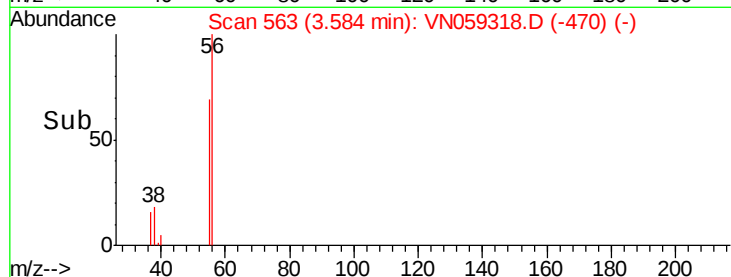
1000

500

0

Time-->

3.55 3.60 3.65



#14

Allyl chloride

Concen: 0.766 ug/l

RT: 4.29 min Scan# 783

Delta R.T. -0.01 min

Lab File: VN059318.D

Acq: 20 Nov 2019 11:25

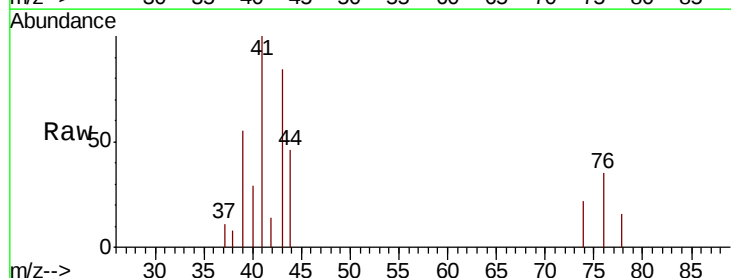
Tgt Ion: 41 Resp: 5617

Ion Ratio Lower Upper

41 100

39 35.1 48.4 72.6#

76 15.6 26.2 39.4#



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0

4.29

3000

2500

2000

1500

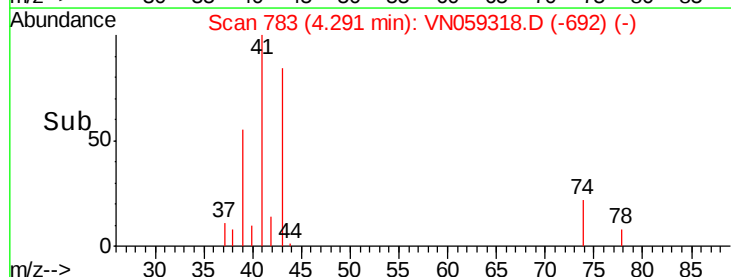
1000

500

0

Time-->

4.20 4.25 4.30 4.35





#15

Acrylonitrile

Concen: 4.224 ug/l

RT: 4.96 min Scan# 991

Delta R.T. 0.00 min

Lab File: VN059318.D

Acq: 20 Nov 2019 11:25

Instrument :

MSVOA_N

ClientSampled :

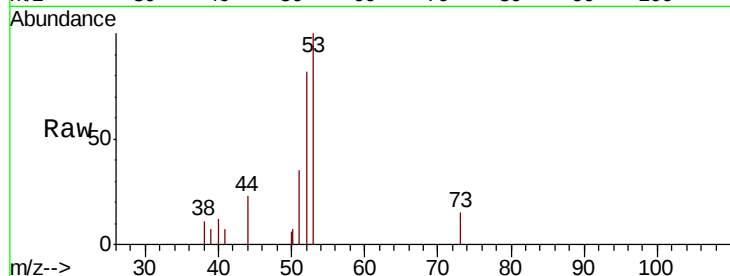
Tot Ion: 53 Resp: 9760

Ion Ratio Lower Upper

53 100

52 77.5 65.8 98.8

51 36.2 28.2 42.2

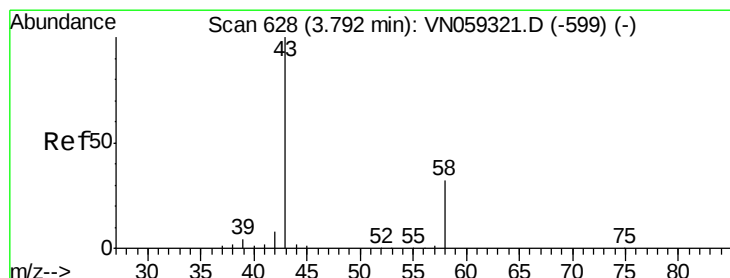
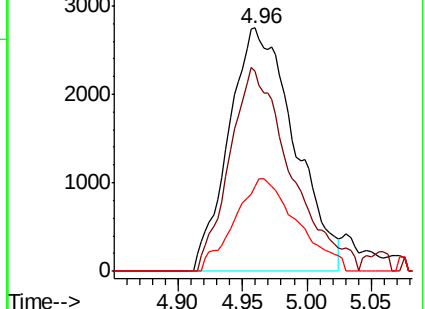
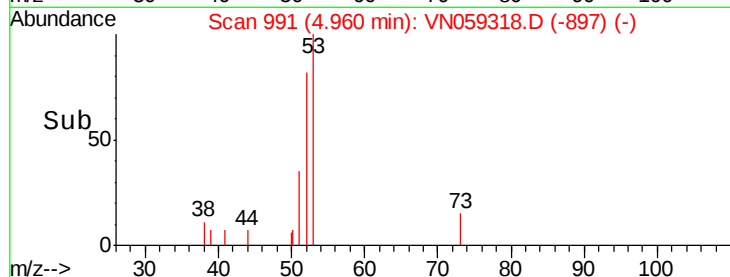


Abundance Ion 53.00 (52.70 to 53.70): VN059318.D (-968) (-)

Ion 52.00 (51.70 to 52.70): VN059318.D (-968) (-)

Ion 51.00 (50.70 to 51.70): VN059318.D (-968) (-)

Time-->



#16

Acetone

Concen: 4.941 ug/l

RT: 3.79 min Scan# 628

Delta R.T. 0.00 min

Lab File: VN059318.D

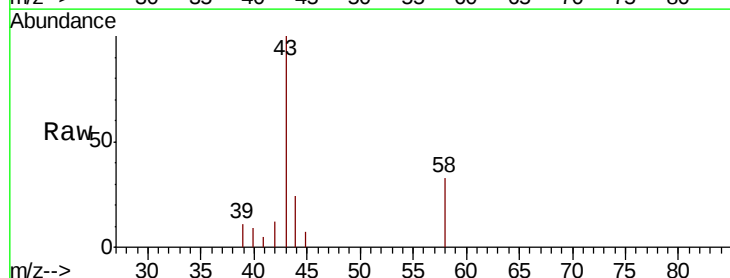
Acq: 20 Nov 2019 11:25

Tgt Ion: 43 Resp: 9671

Ion Ratio Lower Upper

43 100

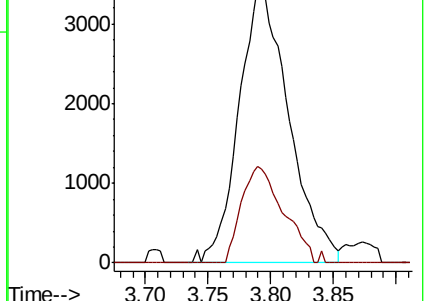
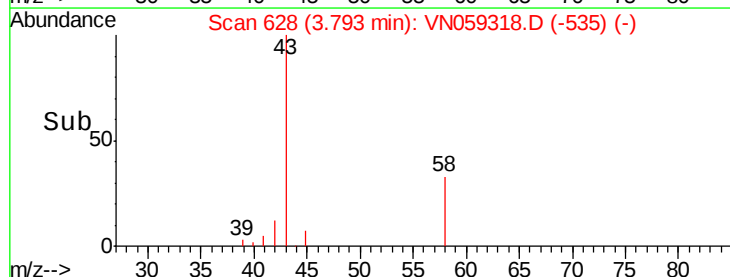
58 33.4 25.8 38.6

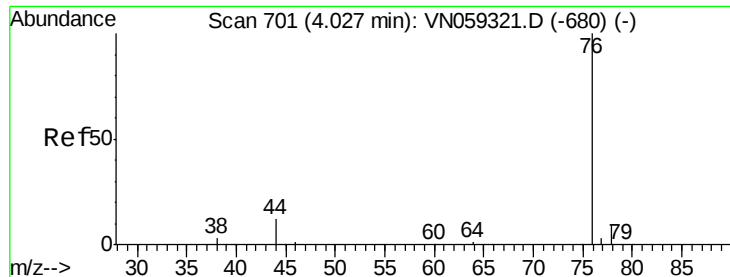


Abundance Ion 43.00 (42.70 to 43.70): VN059318.D (-535) (-)

Ion 58.00 (57.70 to 58.70): VN059318.D (-535) (-)

Time-->





#17

Carbon Disulfide

Concen: 1.289 ug/l

RT: 4.03 min Scan# 702

Delta R.T. 0.00 min

Lab File: VN059318.D

Acq: 20 Nov 2019 11:25

Instrument :

MSVOA_N

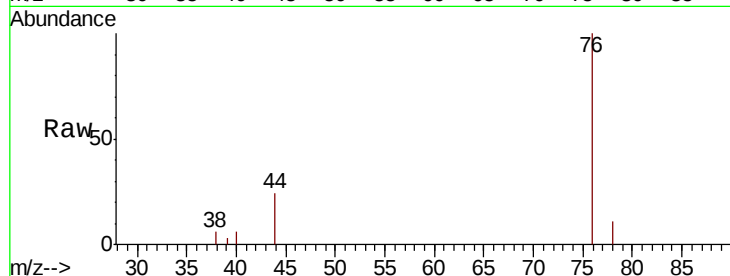
ClientSampleId :

Tot Ion: 76 Resp: 14184

Ion Ratio Lower Upper

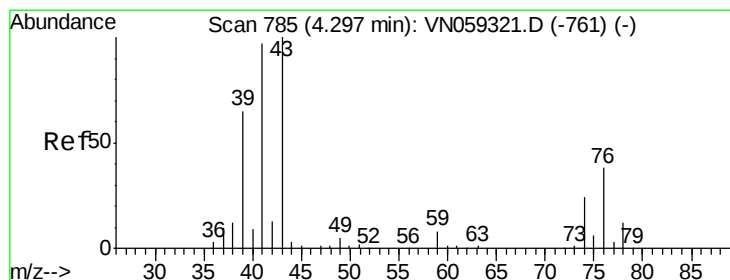
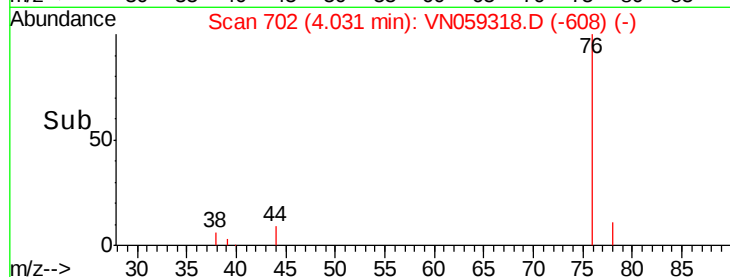
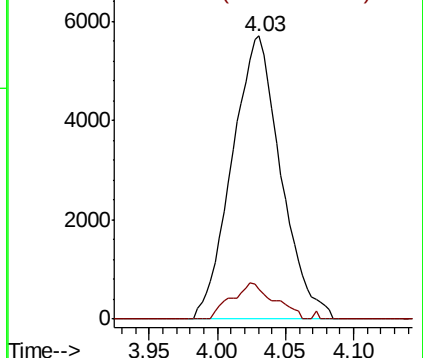
76 100

78 10.8 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: 0.934 ug/l

RT: 4.29 min Scan# 784

Delta R.T. -0.00 min

Lab File: VN059318.D

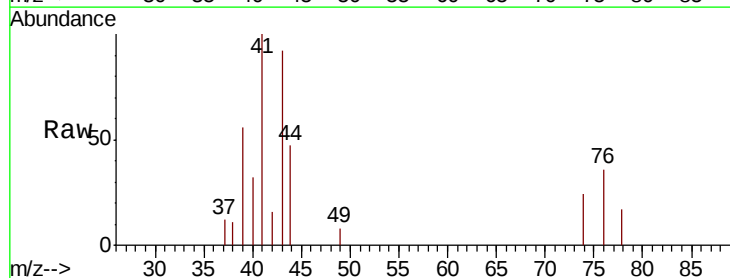
Acq: 20 Nov 2019 11:25

Tgt Ion: 43 Resp: 6065

Ion Ratio Lower Upper

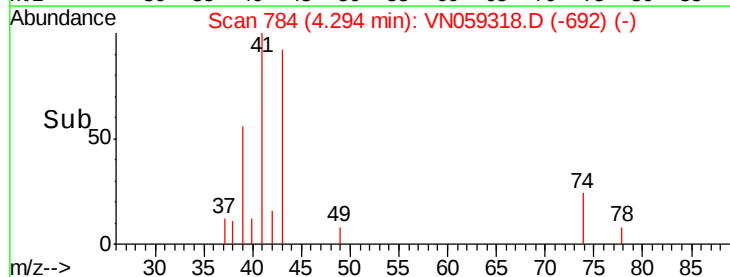
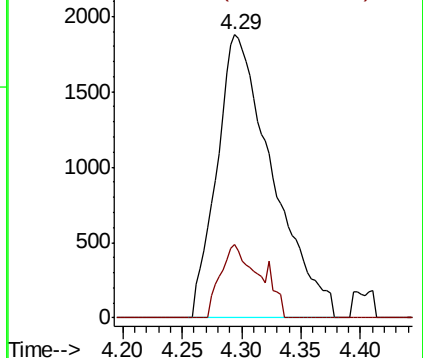
43 100

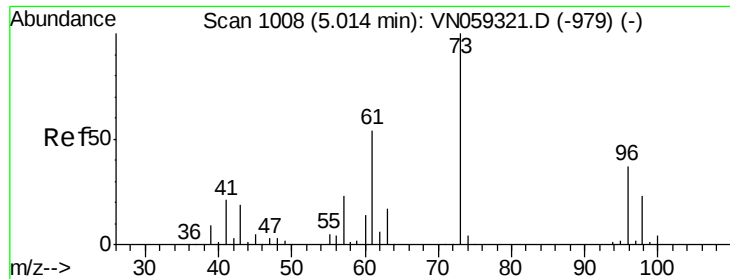
74 15.6 18.1 27.1#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

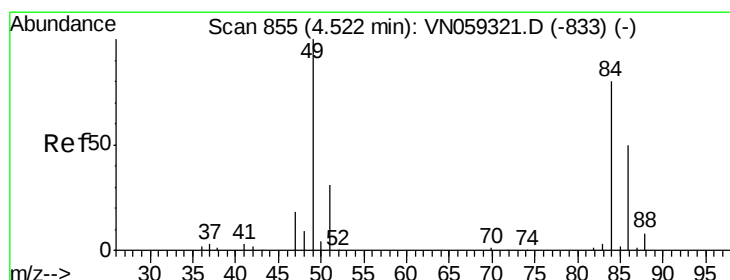
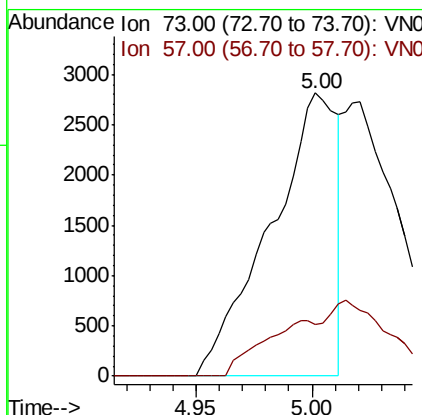
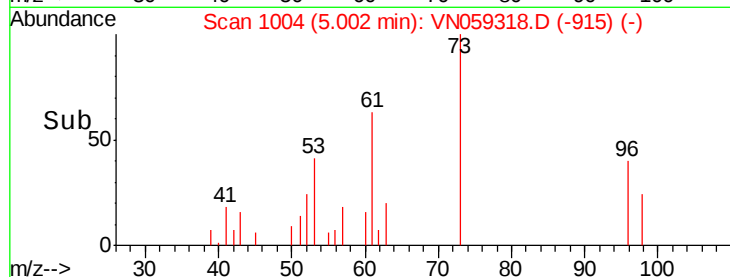
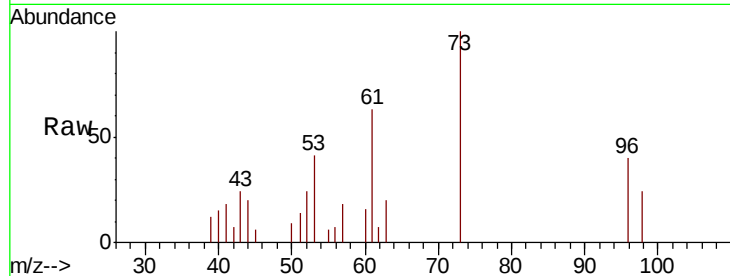




#19
Methvl tert-butvl Ether
Concen: 0.444 ug/l
RT: 5.00 min Scan# 1004
Delta R.T. -0.01 min
Lab File: VN059318.D
Acq: 20 Nov 2019 11:25

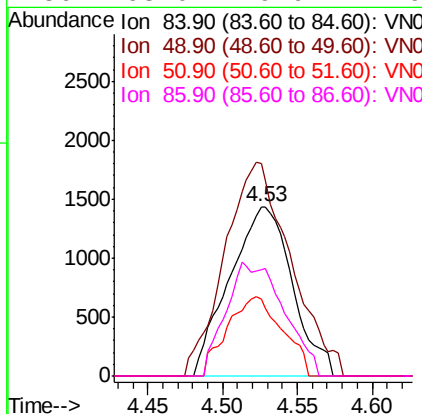
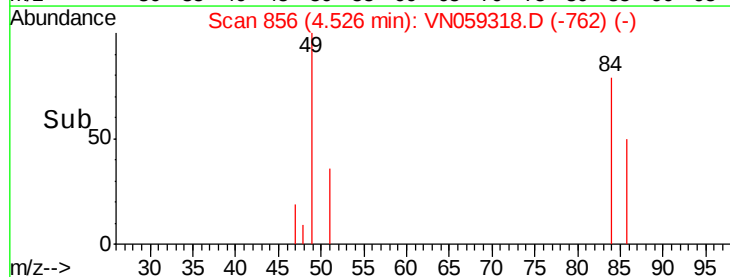
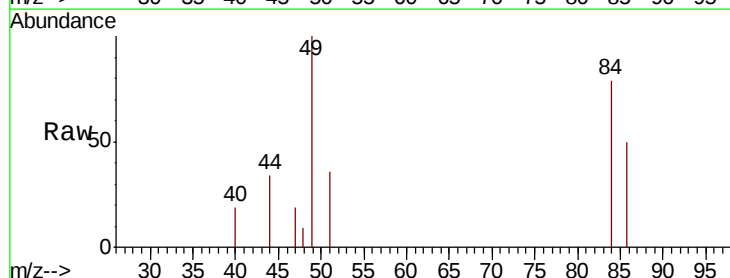
Instrument :
MSVOA_N
ClientSampleId :

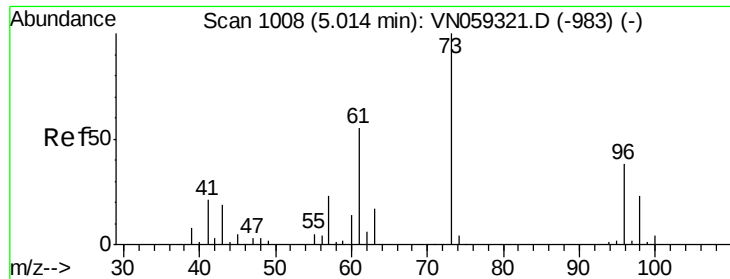
Tot Ion: 73 Resp: 5625
Ion Ratio Lower Upper
73 100
57 18.3 18.4 27.6#



#20
Methylene Chloride
Concen: 0.947 ug/l
RT: 4.53 min Scan# 856
Delta R.T. 0.00 min
Lab File: VN059318.D
Acq: 20 Nov 2019 11:25

Tgt Ion: 84 Resp: 4180
Ion Ratio Lower Upper
84 100
49 115.1 99.5 149.3
51 45.5 31.1 46.7
86 63.0 49.9 74.9





#21

trans-1,2-Dichloroethene

Concen: 1.008 ug/l

RT: 5.02 min Scan# 1011

Delta R.T. 0.01 min

Lab File: VN059318.D

Acq: 20 Nov 2019 11:25

Instrument :

MSVOA_N

ClientSampleId :

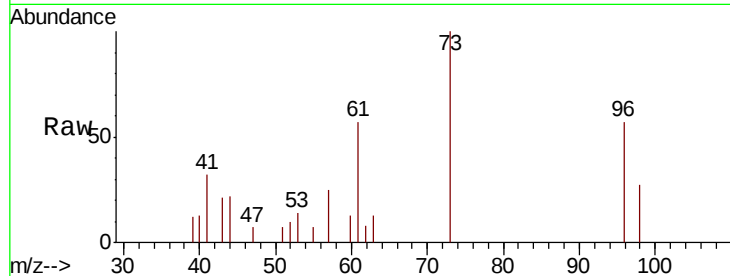
Tot Ion: 96 Resp: 4194

Ion Ratio Lower Upper

96 100

61 99.3 116.4 174.6#

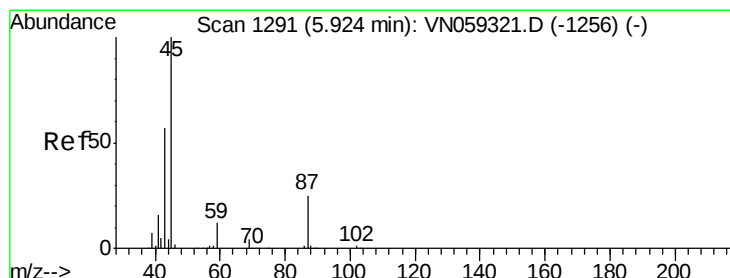
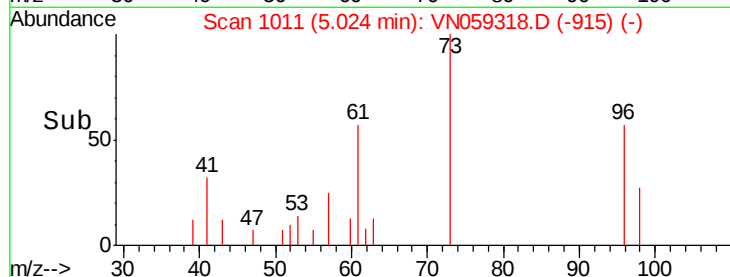
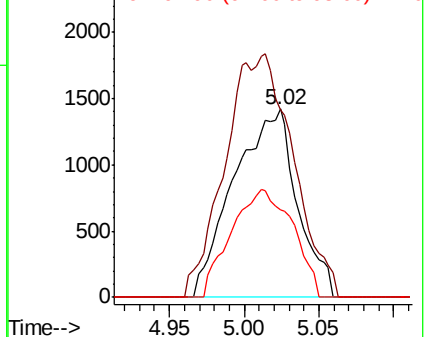
98 46.7 49.6 74.4#



Abundance Ion 95.90 (95.60 to 96.60): VN059318.D (-915) (-)

Ion 60.90 (60.60 to 61.60): VN059318.D (-915) (-)

Ion 97.90 (97.60 to 98.60): VN059318.D (-915) (-)



#22

Diisopropyl ether

Concen: 0.795 ug/l

RT: 5.92 min Scan# 1289

Delta R.T. -0.01 min

Lab File: VN059318.D

Acq: 20 Nov 2019 11:25

Tgt Ion: 45 Resp: 10985

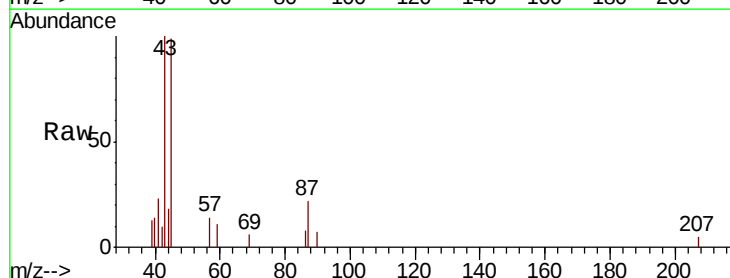
Ion Ratio Lower Upper

45 100

43 89.5 47.6 71.4#

87 22.5 20.7 31.1

59 11.6 9.4 14.2

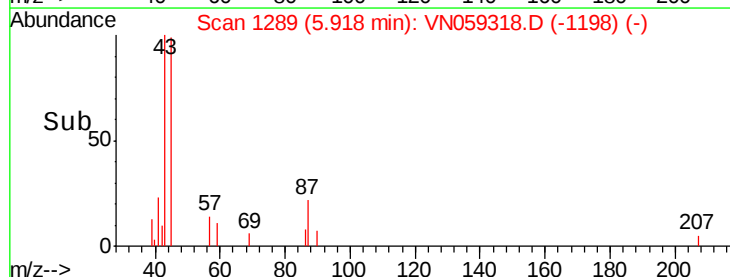
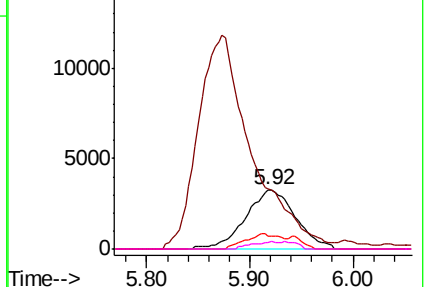


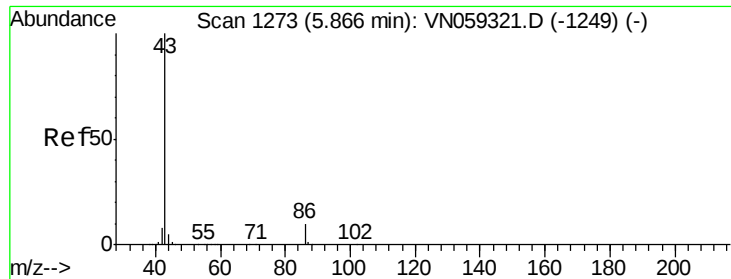
Abundance Ion 45.00 (44.70 to 45.70): VN059318.D (-1198) (-)

Ion 43.00 (42.70 to 43.70): VN059318.D (-1198) (-)

Ion 87.00 (86.70 to 87.70): VN059318.D (-1198) (-)

Ion 59.00 (58.70 to 59.70): VN059318.D (-1198) (-)





#23

Vinyl Acetate

Concen: 3.937 ug/l

RT: 5.87 min Scan# 1275

Delta R.T. 0.01 min

Lab File: VN059318.D

Acq: 20 Nov 2019 11:25

Instrument :

MSVOA_N

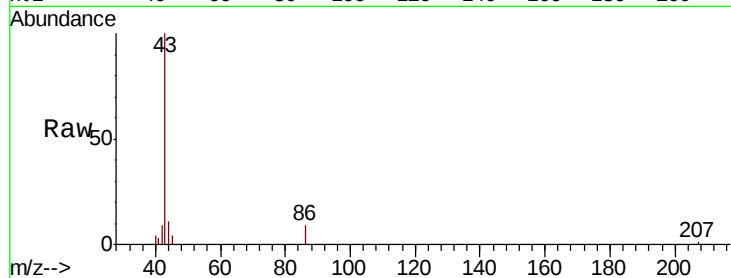
ClientSampled :

Tot Ion: 43 Resp: 42762

Ion Ratio Lower Upper

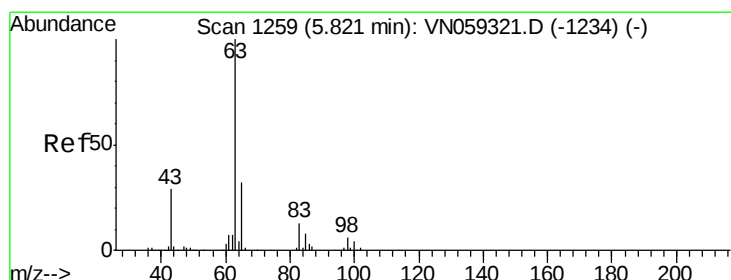
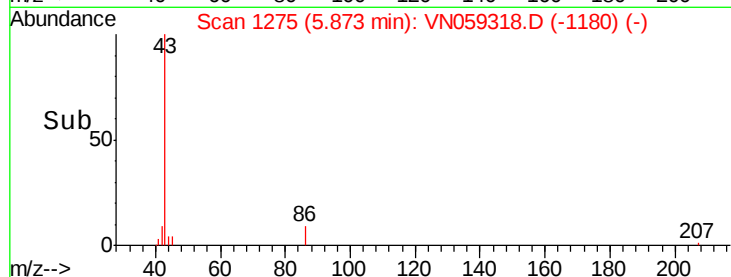
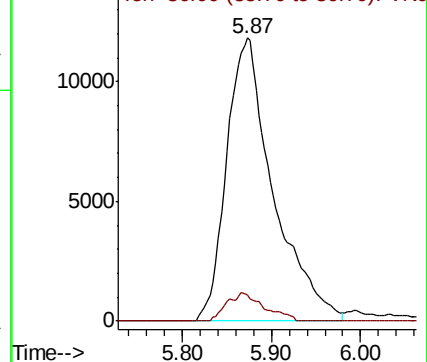
43 100

86 9.0 8.0 12.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 0.866 ug/l

RT: 5.82 min Scan# 1258

Delta R.T. -0.00 min

Lab File: VN059318.D

Acq: 20 Nov 2019 11:25

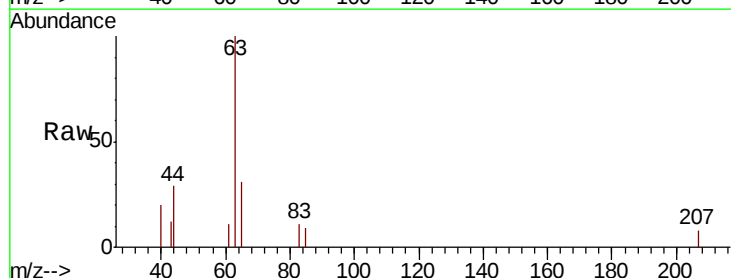
Tgt Ion: 63 Resp: 6736

Ion Ratio Lower Upper

63 100

98 0.0 2.9 8.8#

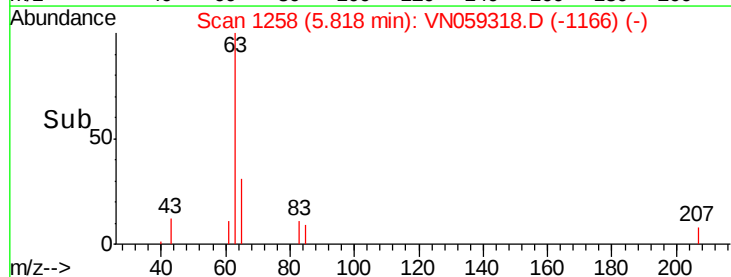
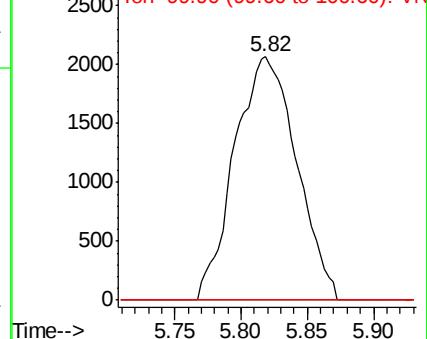
100 0.0 1.9 5.7#

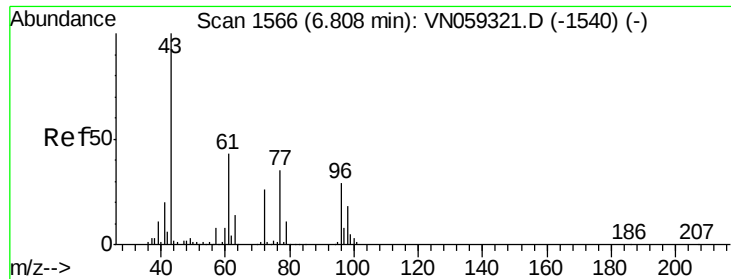


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 4.228 ug/l

RT: 6.81 min Scan# 1567

Delta R.T. 0.00 min

Lab File: VN059318.D

Acq: 20 Nov 2019 11:25

Instrument :

MSVOA_N

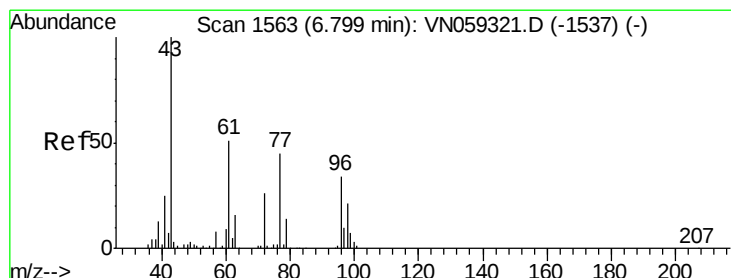
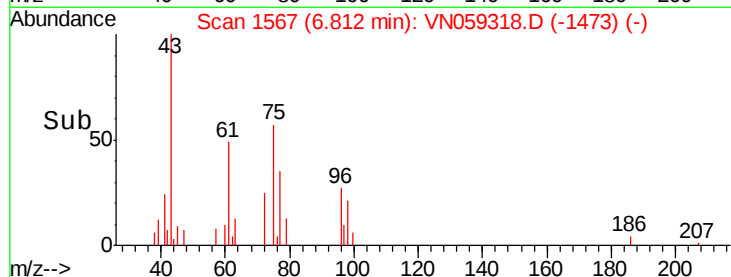
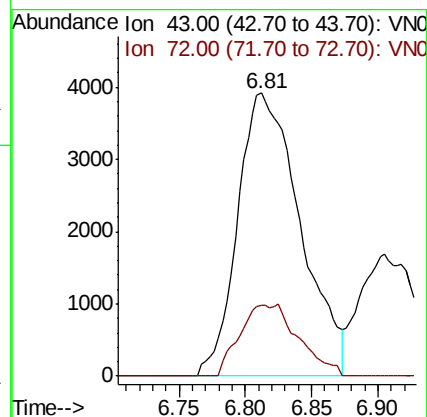
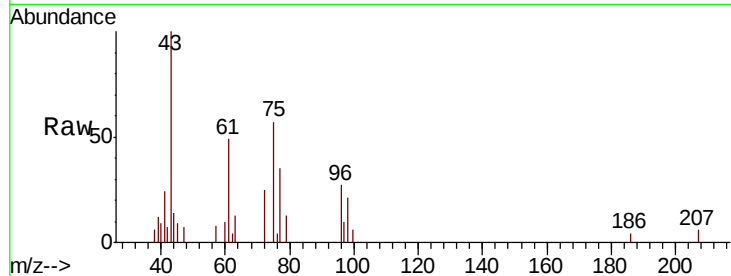
ClientSampled :

Tot Ion: 43 Resp: 12867

Ion Ratio Lower Upper

43 100

72 25.2 20.5 30.7



#26

2,2-Dichloropropane

Concen: 0.918 ug/l

RT: 6.79 min Scan# 1561

Delta R.T. -0.01 min

Lab File: VN059318.D

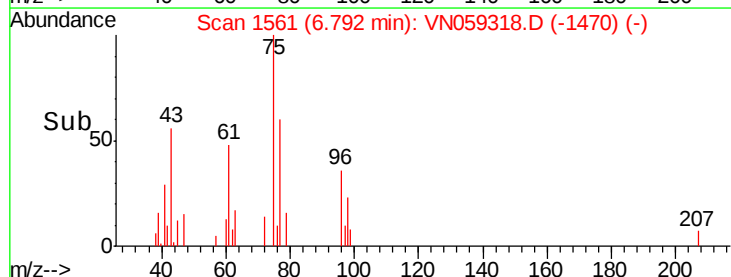
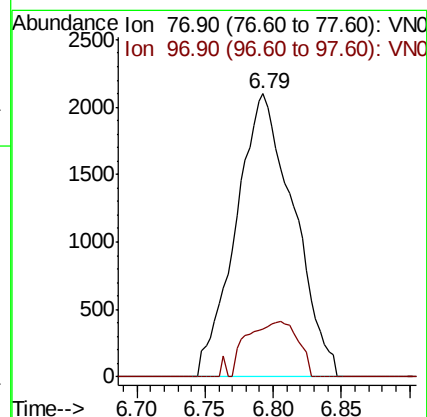
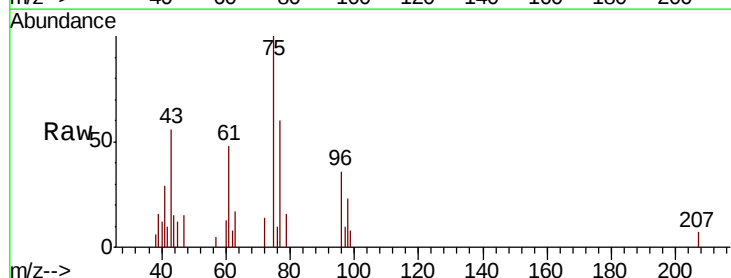
Acq: 20 Nov 2019 11:25

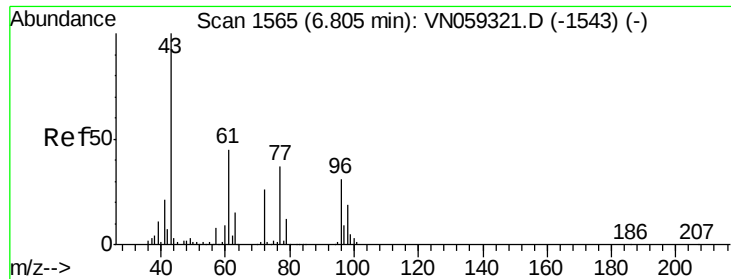
Tgt Ion: 77 Resp: 6182

Ion Ratio Lower Upper

77 100

97 17.2 11.5 34.4





#27

cis-1,2-Dichloroethene

Concen: 0.842 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. -0.00 min

Lab File: VN059318.D

Acq: 20 Nov 2019 11:25

Instrument :
MSVOA_N
ClientSampleId :

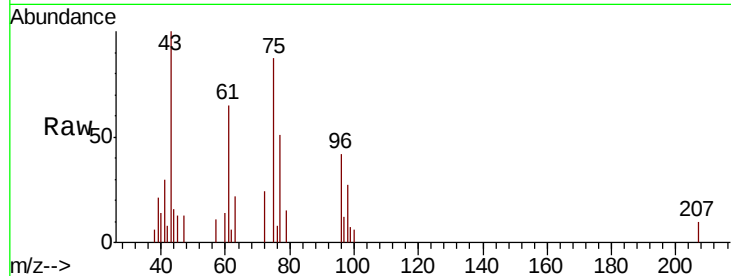
Tot Ion: 96 Resp: 3953

Ion Ratio Lower Upper

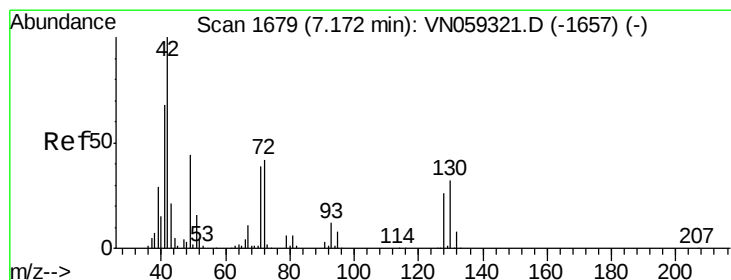
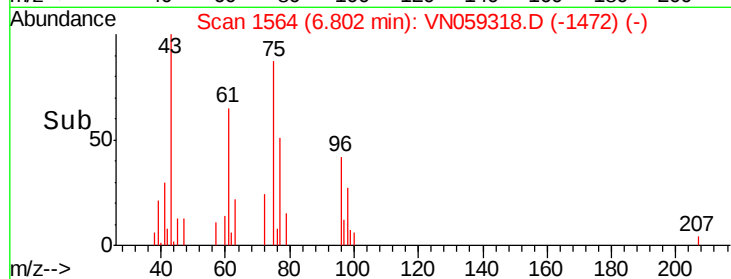
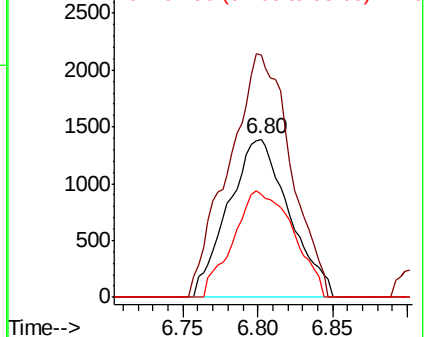
96 100

61 156.3 0.0 304.0

98 66.0 0.0 128.4



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



#28

Bromochloromethane

Concen: 2.734 ug/l

RT: 7.17 min Scan# 1677

Delta R.T. -0.01 min

Lab File: VN059318.D

Acq: 20 Nov 2019 11:25

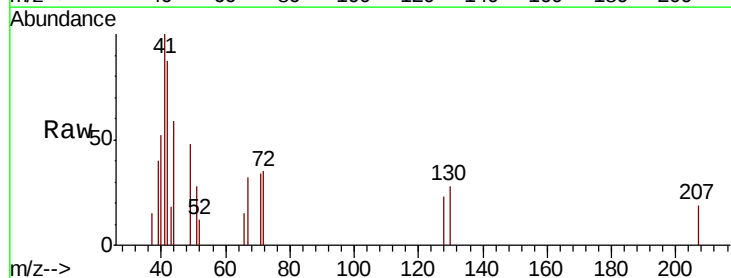
Tgt Ion: 49 Resp: 1272

Ion Ratio Lower Upper

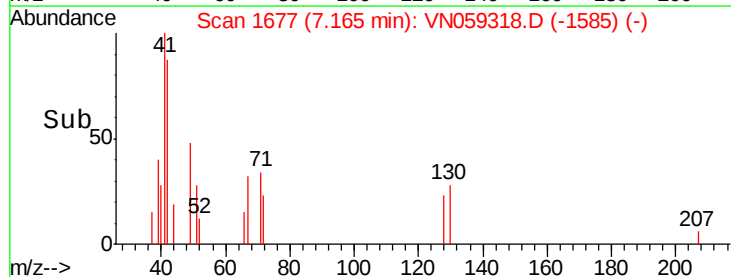
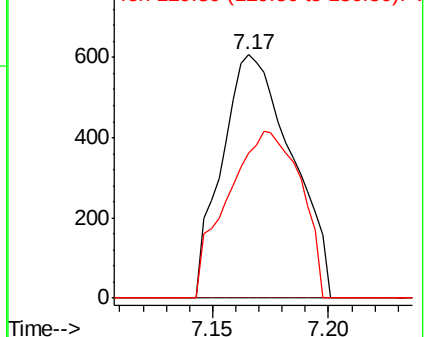
49 100

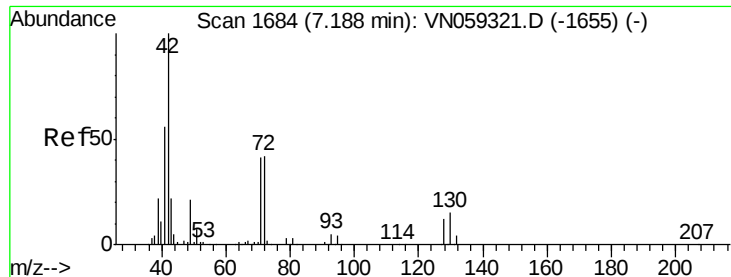
129 0.0 0.0 3.8

130 71.9 57.0 85.6



Abundance Ion 48.90 (48.60 to 49.60): VN0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V

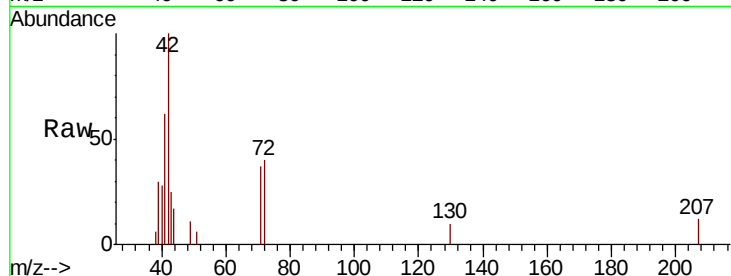




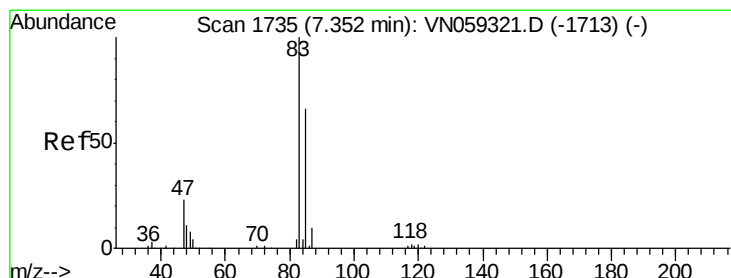
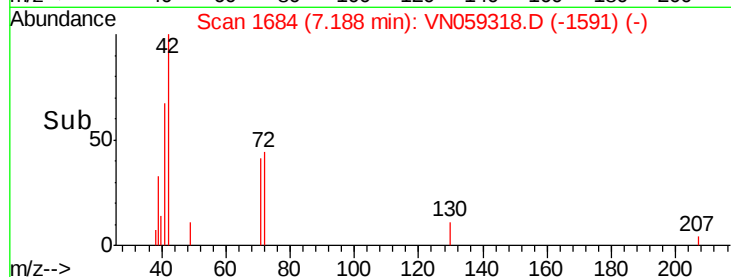
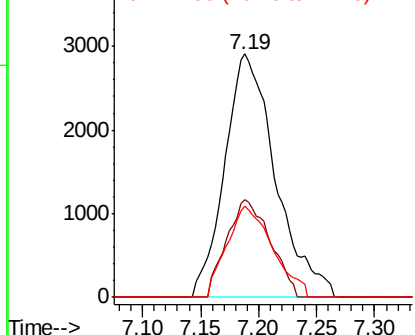
#29
Tetrahydrofuran
Concen: 4.227 ug/l
RT: 7.19 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VN059318.D
Acq: 20 Nov 2019 11:25

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 42 Resp: 8895
Ion Ratio Lower Upper
42 100
72 34.3 34.2 51.2
71 33.7 32.6 48.8

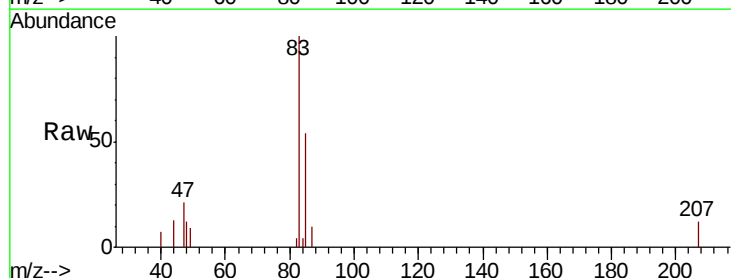


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

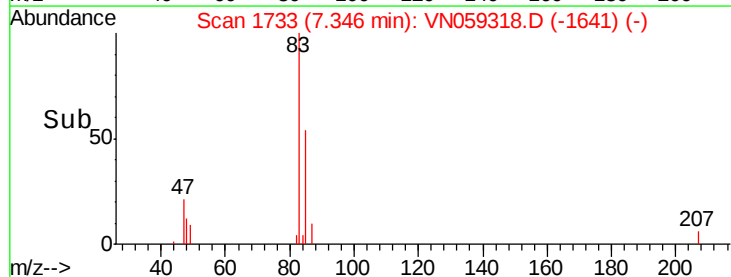
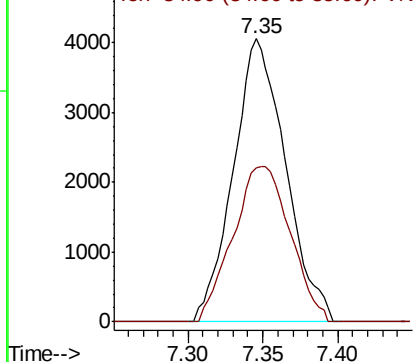


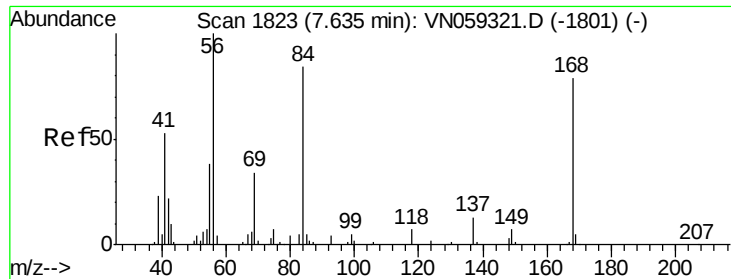
#30
Chloroform
Concen: 1.173 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. -0.01 min
Lab File: VN059318.D
Acq: 20 Nov 2019 11:25

Tgt Ion: 83 Resp: 9867
Ion Ratio Lower Upper
83 100
85 54.4 52.7 79.1



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





#31

Cyclohexane

Concen: 1.685 ug/l

RT: 7.63 min Scan# 1823

Delta R.T. 0.00 min

Lab File: VN059318.D

Acq: 20 Nov 2019 11:25

Instrument :
MSVOA_N
ClientSampleId :

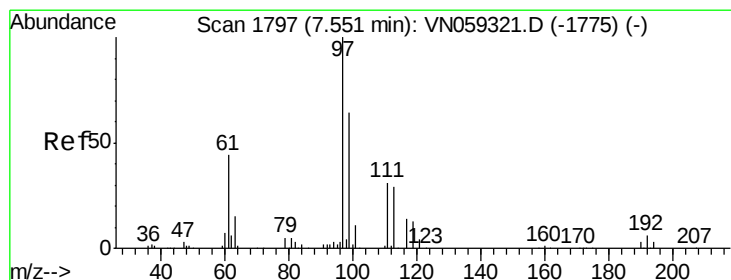
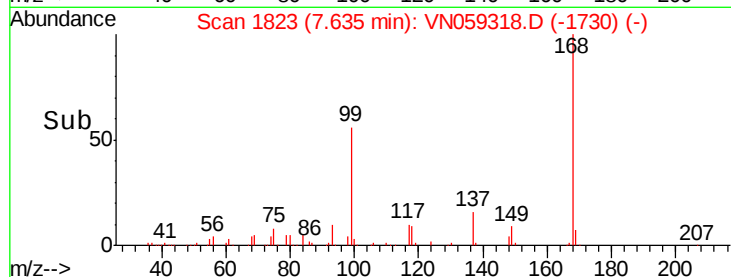
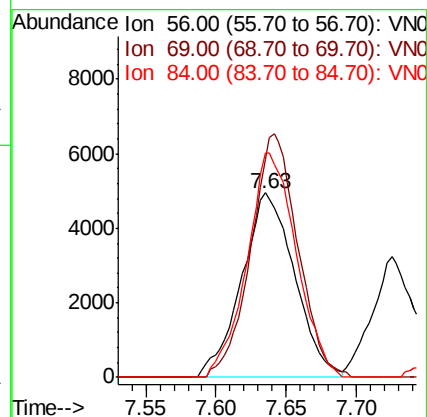
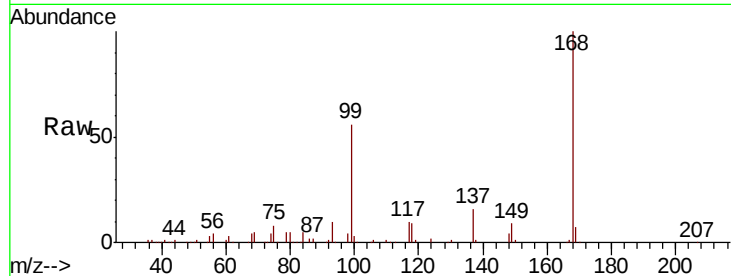
Tot Ion: 56 Resp: 12949

Ion Ratio Lower Upper

56 100

69 118.3 26.6 40.0#

84 121.7 67.0 100.4#



#32

1,1,1-Trichloroethane

Concen: 0.803 ug/l

RT: 7.54 min Scan# 1795

Delta R.T. -0.01 min

Lab File: VN059318.D

Acq: 20 Nov 2019 11:25

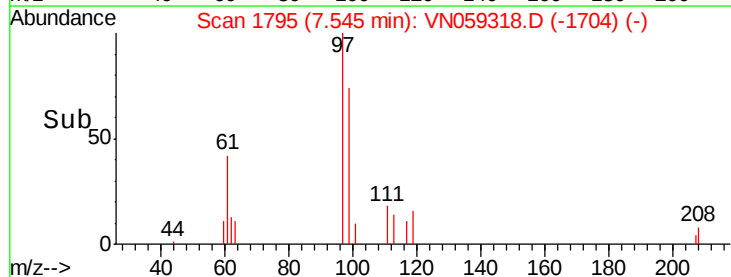
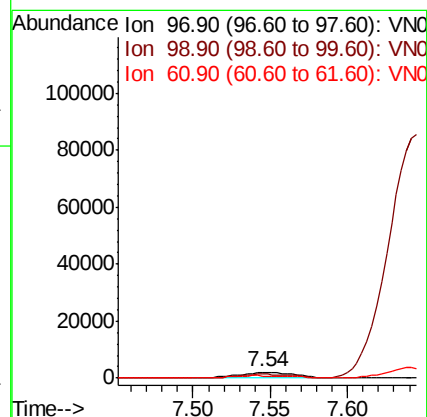
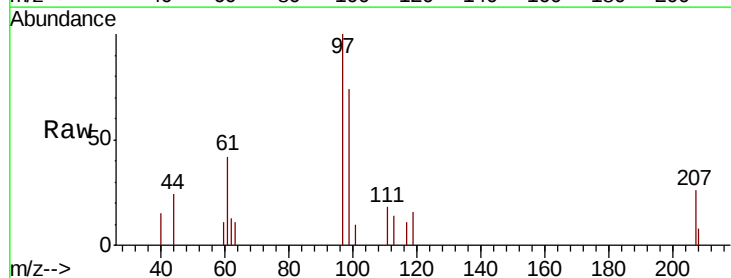
Tgt Ion: 97 Resp: 5206

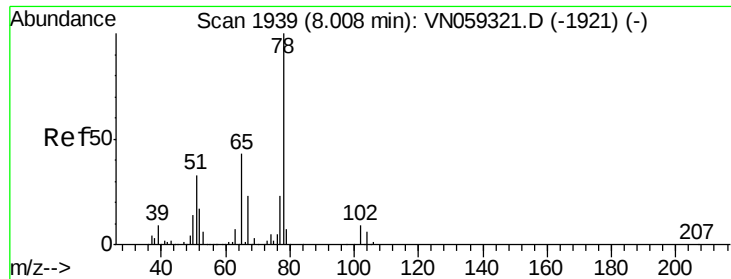
Ion Ratio Lower Upper

97 100

99 0.0 51.3 76.9#

61 45.9 35.3 52.9

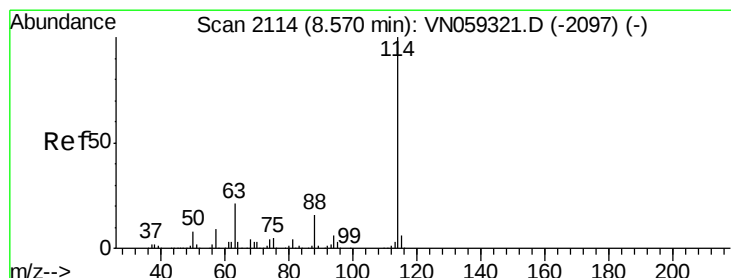
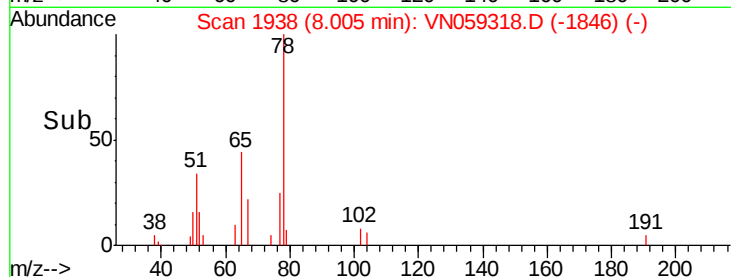
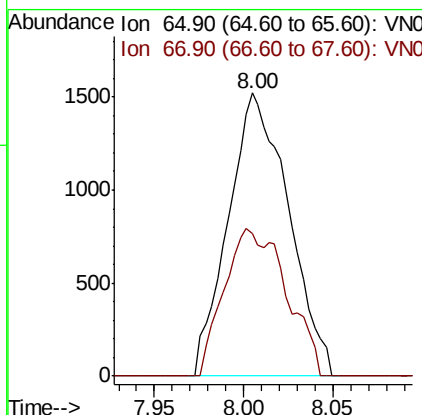
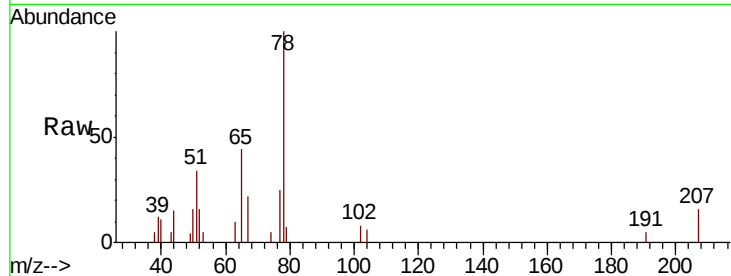




#33
 1,2-Dichloroethane-d4
 Concen: 0.821 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. -0.00 min
 Lab File: VN059318.D
 Acq: 20 Nov 2019 11:25

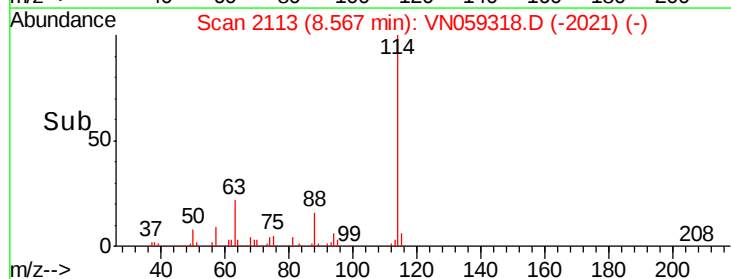
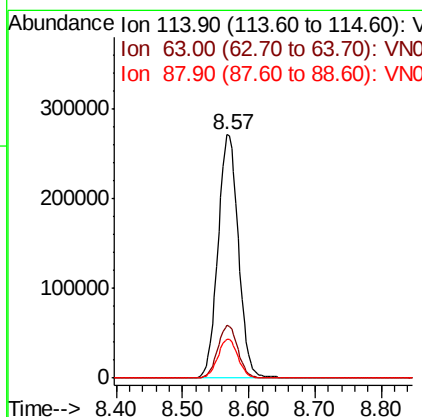
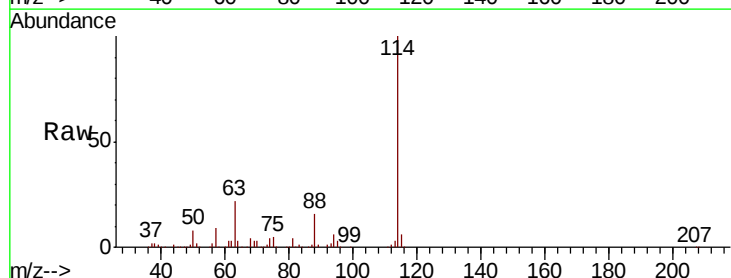
Instrument :
 MSVOA_N
 ClientSampleId :

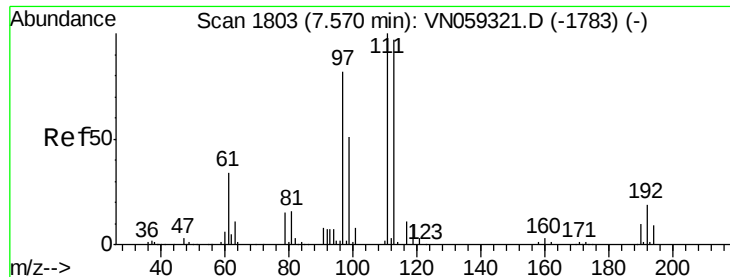
Tot Ion: 65 Resp: 3582
 Ion Ratio Lower Upper
 65 100
 67 53.8 0.0 109.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. -0.00 min
 Lab File: VN059318.D
 Acq: 20 Nov 2019 11:25

Tgt Ion: 114 Resp: 579880
 Ion Ratio Lower Upper
 114 100
 63 21.5 0.0 42.2
 88 16.1 0.0 32.2





#35

Dibromofluoromethane

Concen: 0.705 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VN059318.D

Acq: 20 Nov 2019 11:25

Instrument :
MSVOA_N
ClientSampled :

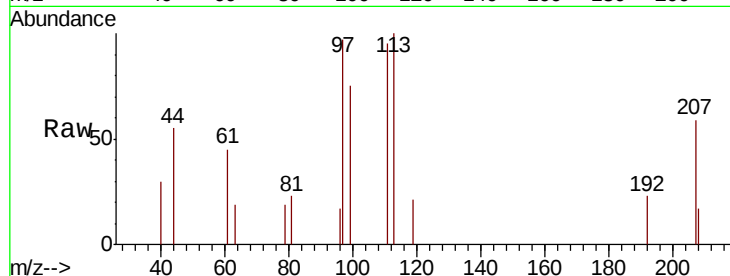
Tot Ion:113 Resp: 2453

Ion Ratio Lower Upper

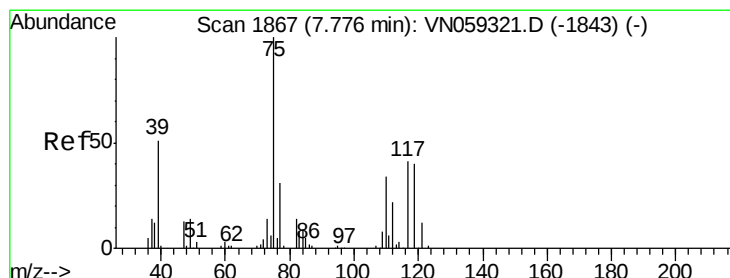
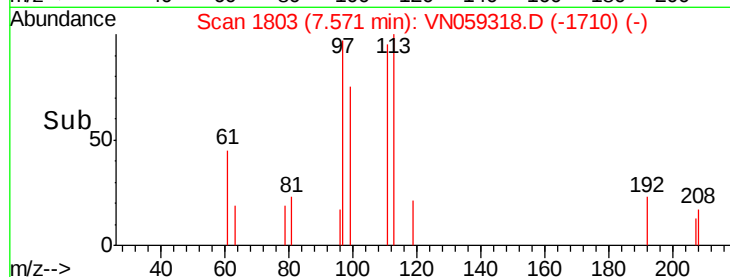
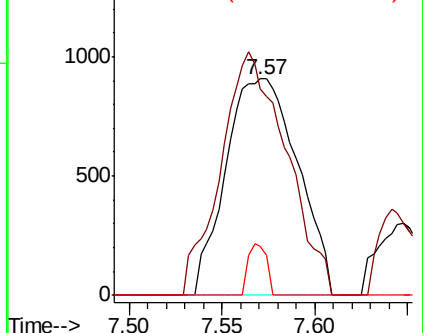
113 100

111 102.2 82.7 124.1

192 5.9 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: 0.863 ug/l

RT: 7.77 min Scan# 1866

Delta R.T. -0.00 min

Lab File: VN059318.D

Acq: 20 Nov 2019 11:25

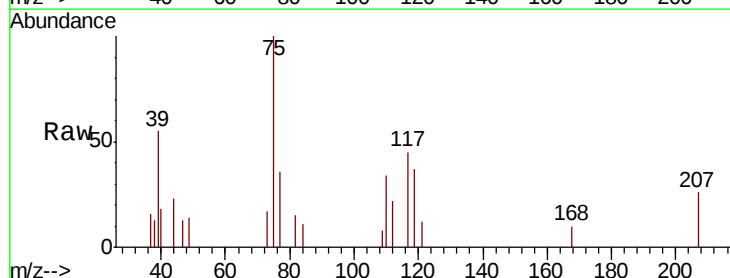
Tgt Ion: 75 Resp: 5169

Ion Ratio Lower Upper

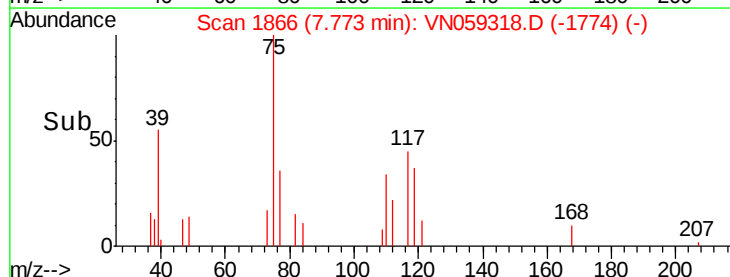
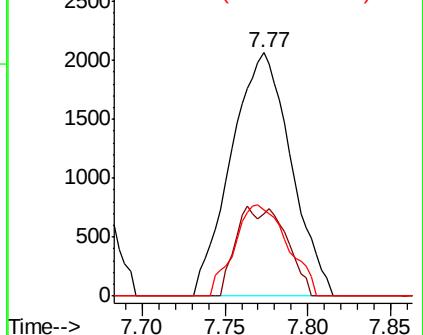
75 100

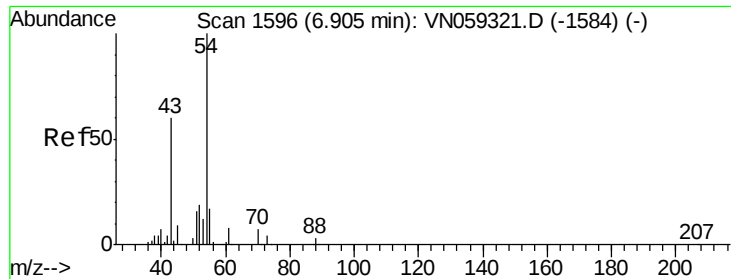
110 14.5 17.0 51.0#

77 33.4 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

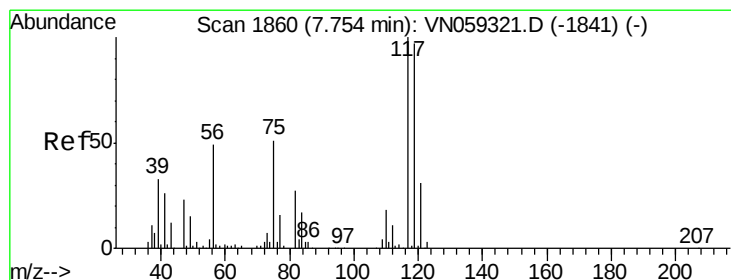
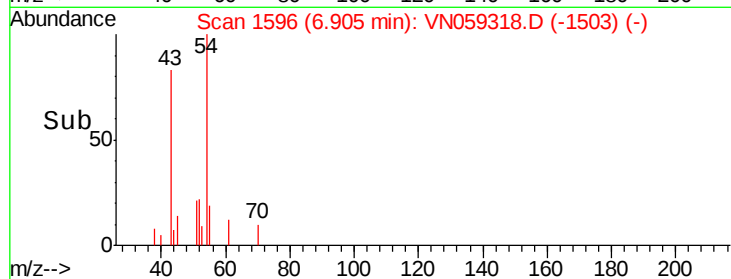
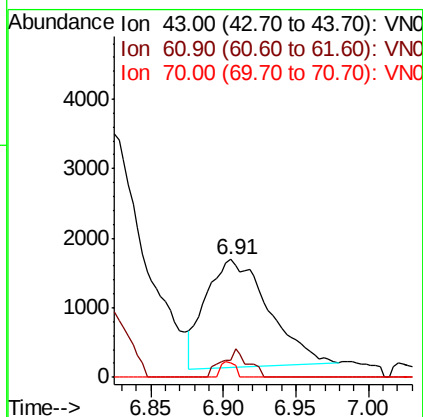
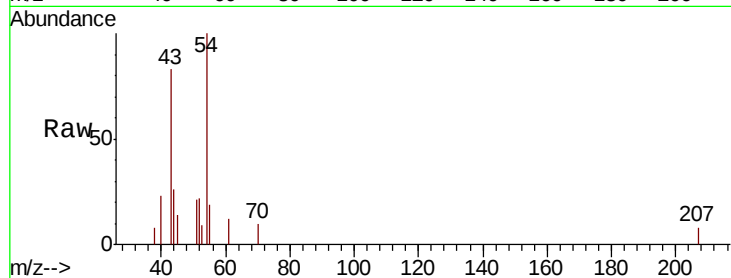




#37
Ethyl Acetate
Concen: 0.731 ug/l
RT: 6.91 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VN059318.D
Acq: 20 Nov 2019 11:25

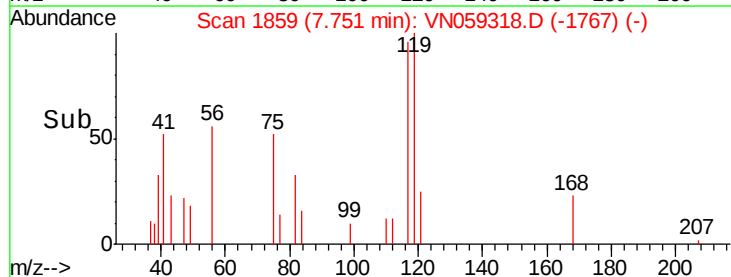
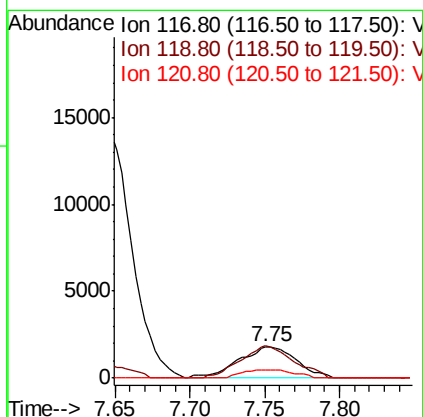
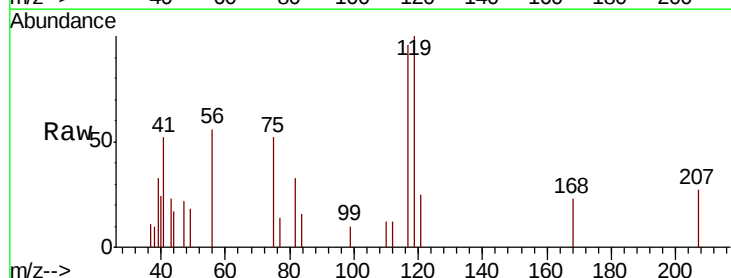
Instrument :
MSVOA_N
ClientSampled :

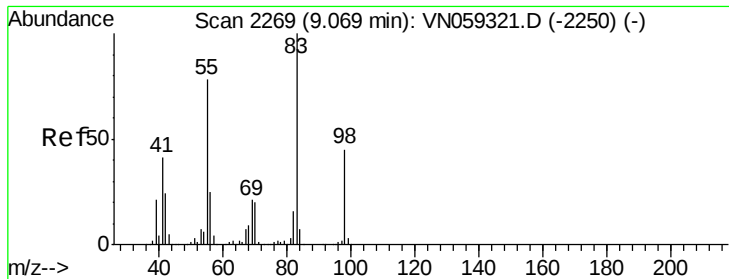
Tot Ion: 43 Resp: 4700
Ion Ratio Lower Upper
43 100
61 10.4 11.0 16.6#
70 3.2 8.8 13.2#



#38
Carbon Tetrachloride
Concen: 0.842 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. -0.00 min
Lab File: VN059318.D
Acq: 20 Nov 2019 11:25

Tgt Ion: 117 Resp: 4826
Ion Ratio Lower Upper
117 100
119 104.1 77.0 115.4
121 26.4 24.4 36.6

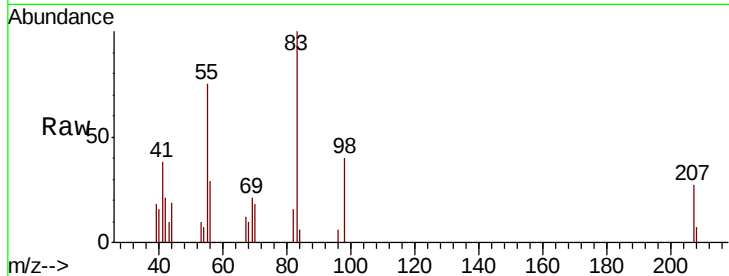




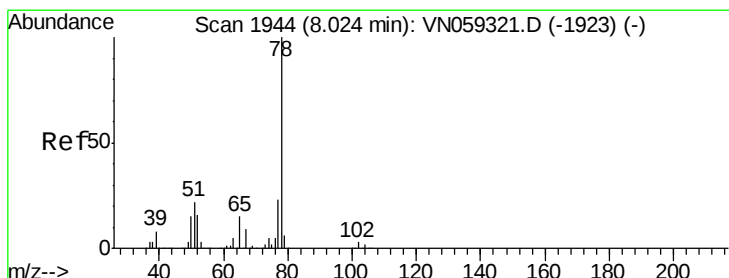
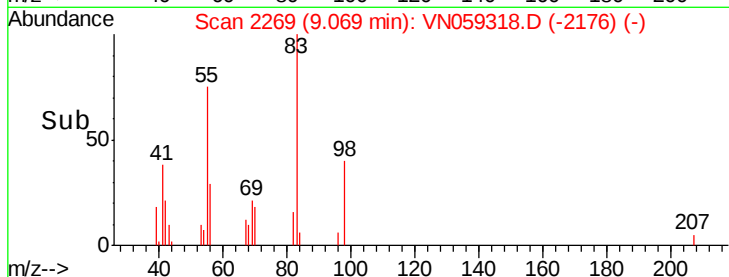
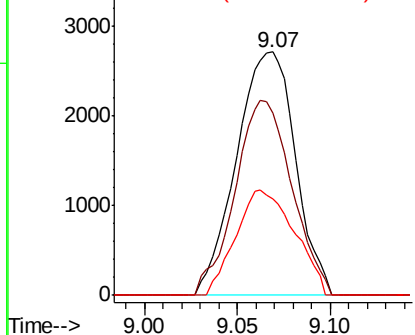
#39
Methvlcvclohexane
Concen: 0.832 ug/l
RT: 9.07 min Scan# 2269
Delta R.T. 0.00 min
Lab File: VN059318.D
Acq: 20 Nov 2019 11:25

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 83 Resp: 6006
Ion Ratio Lower Upper
83 100
55 74.7 62.3 93.5
98 39.8 36.0 54.0

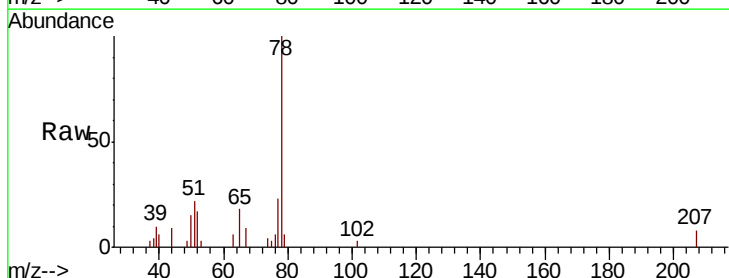


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

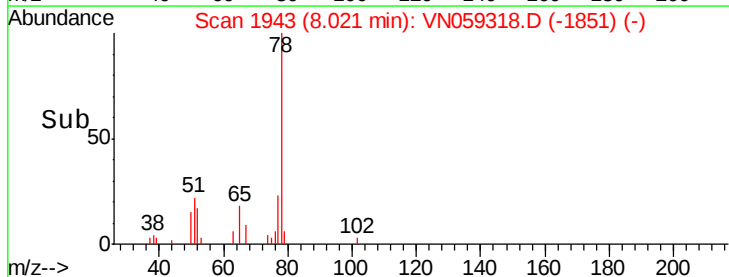
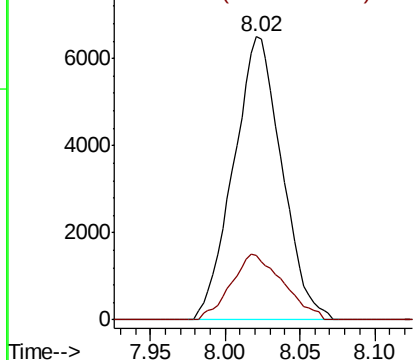


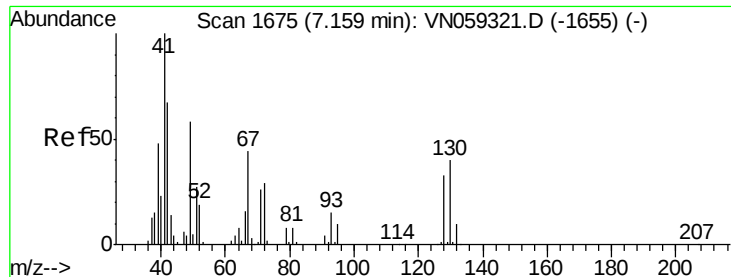
#40
Benzene
Concen: 0.832 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. -0.00 min
Lab File: VN059318.D
Acq: 20 Nov 2019 11:25

Tgt Ion: 78 Resp: 14624
Ion Ratio Lower Upper
78 100
77 22.6 18.4 27.6



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

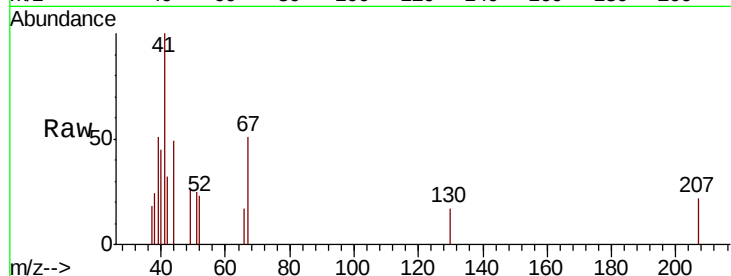




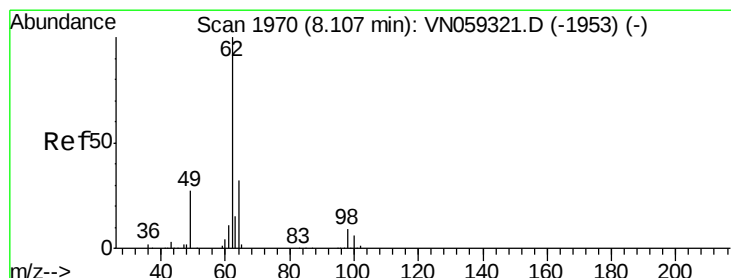
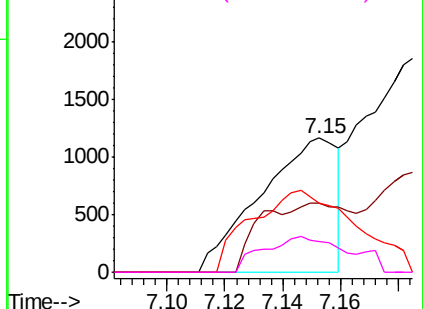
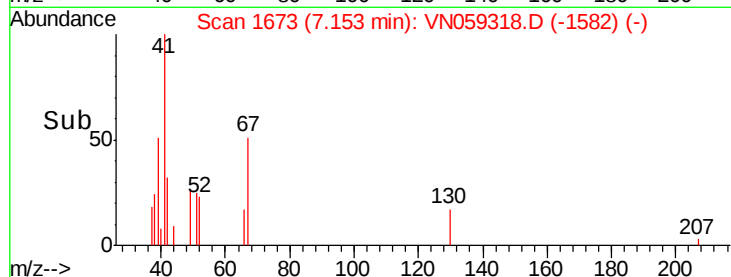
#41
Methacrylonitrile
Concen: 0.757 ug/l
RT: 7.15 min Scan# 1673
Delta R.T. -0.01 min
Lab File: VN059318.D
Acq: 20 Nov 2019 11:25

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 41 Resp: 2163
Ion Ratio Lower Upper
41 100
39 20.1 0.0 0.0#
67 82.1 0.0 0.0#
52 29.3 0.0 0.0#

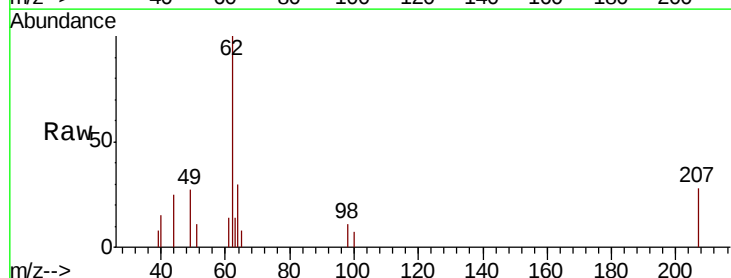


Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 67.00 (66.70 to 67.70): VNO
Ion 52.00 (51.70 to 52.70): VNO

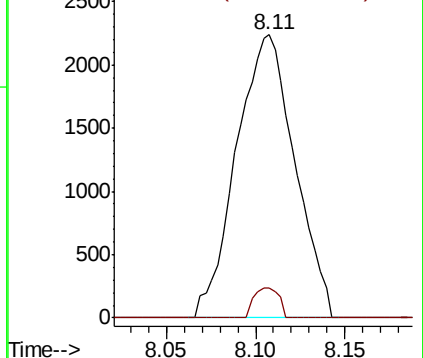
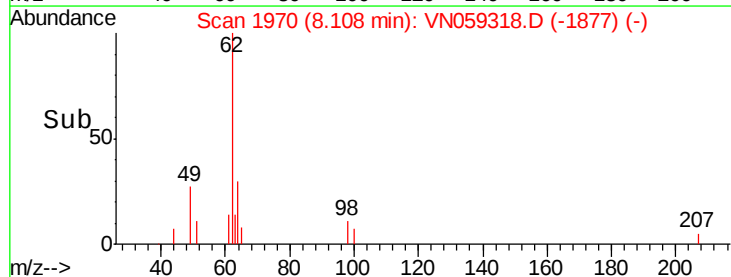


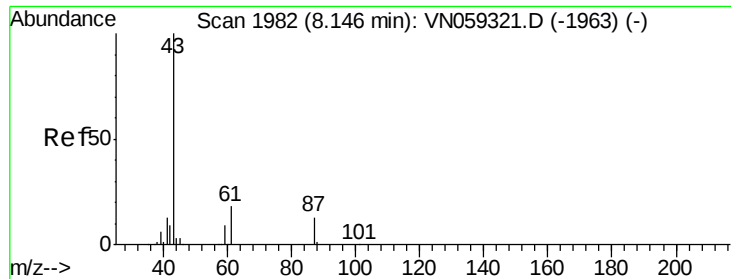
#42
1,2-Dichloroethane
Concen: 0.880 ug/l
RT: 8.11 min Scan# 1970
Delta R.T. 0.00 min
Lab File: VN059318.D
Acq: 20 Nov 2019 11:25

Tgt Ion: 62 Resp: 5111
Ion Ratio Lower Upper
62 100
98 4.6 0.0 18.6



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





#43

Isopropyl Acetate

Concen: 0.754 ug/l

RT: 8.15 min Scan# 1982

Delta R.T. 0.00 min

Lab File: VN059318.D

Acq: 20 Nov 2019 11:25

Instrument :

MSVOA_N

ClientSampleId :

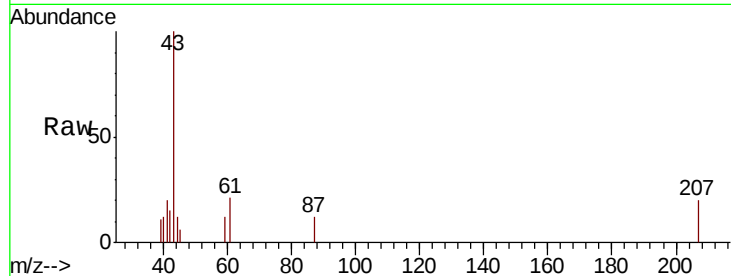
Tot Ion: 43 Resp: 7414

Ion Ratio Lower Upper

43 100

61 17.7 21.7 32.5#

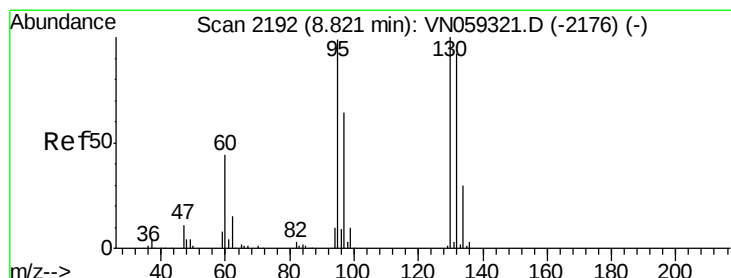
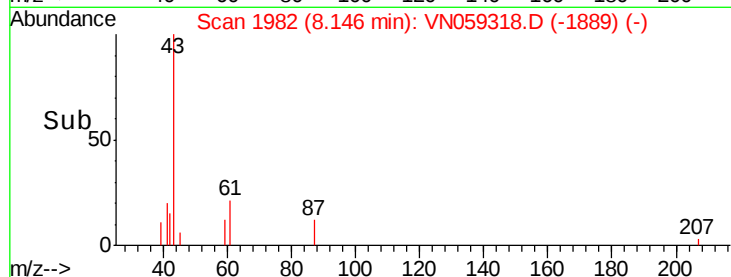
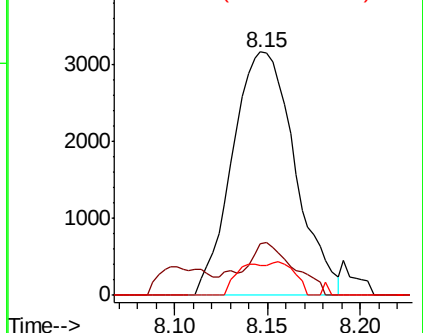
87 5.4 10.2 15.4#



Abundance Ion 43.00 (42.70 to 43.70): VN059321.D (-1963) (-)

Ion 61.00 (60.70 to 61.70): VN059321.D (-1963) (-)

Ion 87.00 (86.70 to 87.70): VN059321.D (-1963) (-)



#44

Trichloroethene

Concen: 0.922 ug/l

RT: 8.82 min Scan# 2192

Delta R.T. 0.00 min

Lab File: VN059318.D

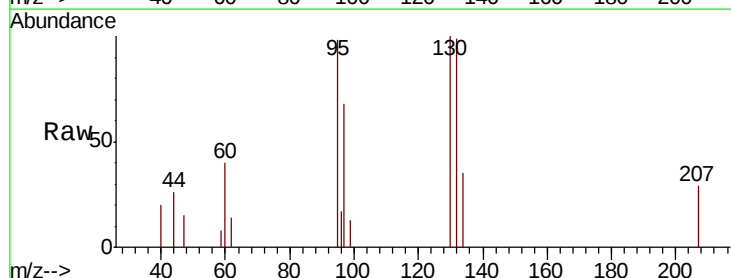
Acq: 20 Nov 2019 11:25

Tgt Ion:130 Resp: 4105

Ion Ratio Lower Upper

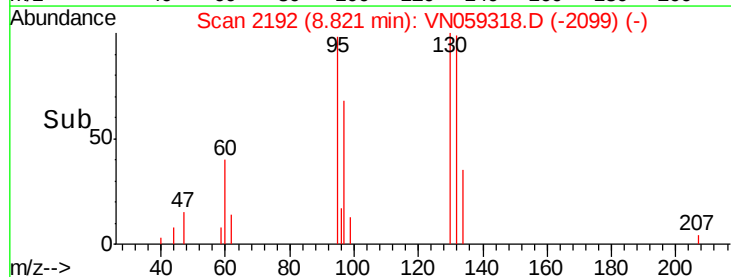
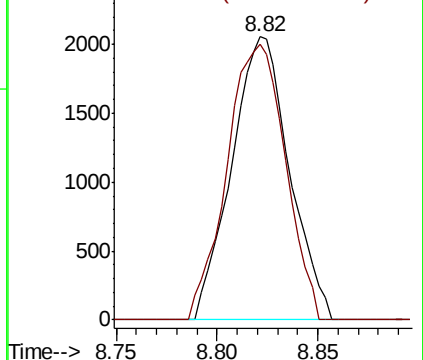
130 100

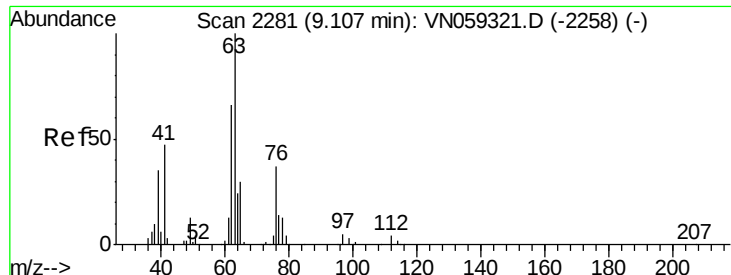
95 97.6 0.0 198.4



Abundance Ion 129.80 (129.50 to 130.50): VN059321.D (-2176) (-)

Ion 94.90 (94.60 to 95.60): VN059321.D (-2176) (-)

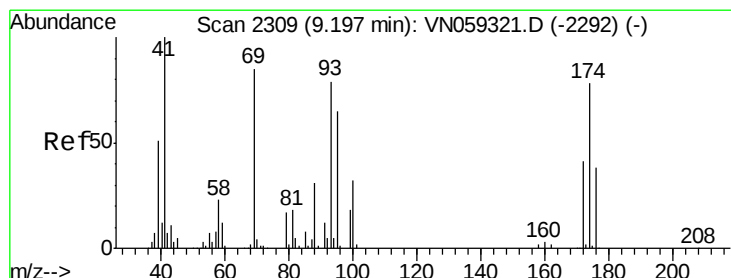
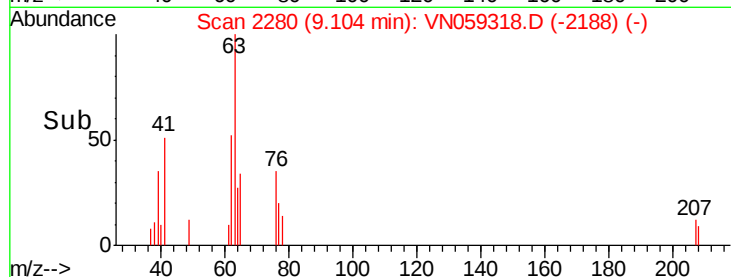
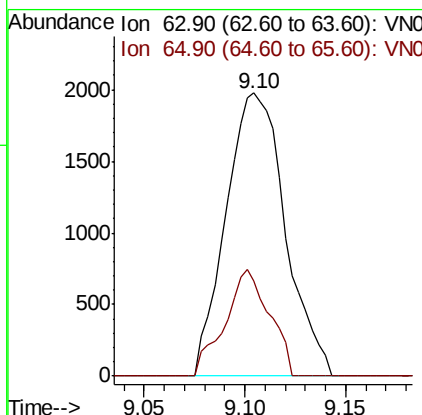
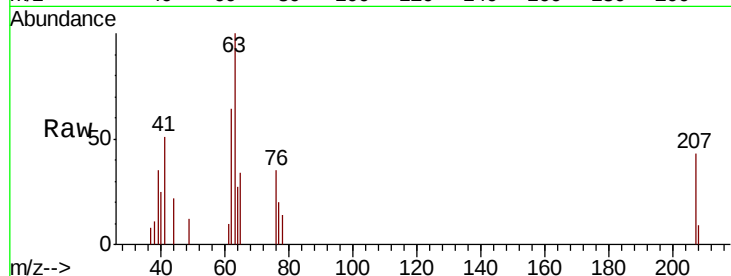




#45
 1,2-Dichloropropane
 Concen: 0.865 ug/l
 RT: 9.10 min Scan# 2280
 Delta R.T. -0.00 min
 Lab File: VN059318.D
 Acq: 20 Nov 2019 11:25

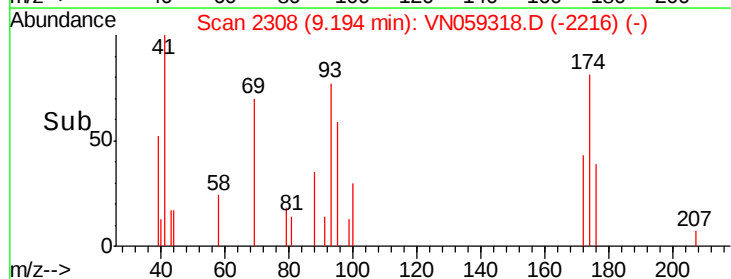
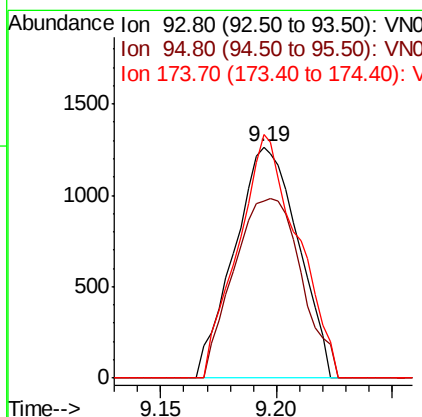
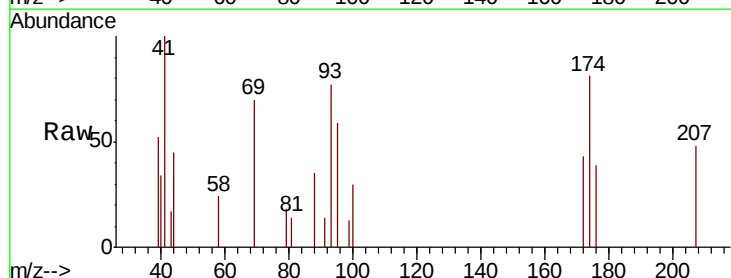
Instrument :
 MSVOA_N
 ClientSampled :

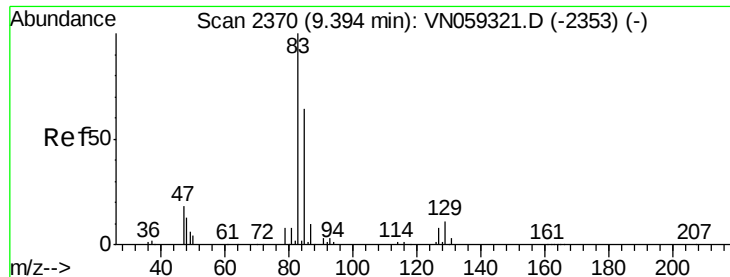
Tot Ion: 63 Resp: 4054
 Ion Ratio Lower Upper
 63 100
 65 33.7 23.9 35.9



#46
 Dibromomethane
 Concen: 0.840 ug/l
 RT: 9.19 min Scan# 2308
 Delta R.T. -0.00 min
 Lab File: VN059318.D
 Acq: 20 Nov 2019 11:25

Tgt Ion: 93 Resp: 2414
 Ion Ratio Lower Upper
 93 100
 95 82.5 66.9 100.3
 174 99.1 80.6 120.8





#47

Bromodichloromethane

Concen: 0.847 ug/l

RT: 9.39 min Scan# 2369

Delta R.T. -0.00 min

Lab File: VN059318.D

Acq: 20 Nov 2019 11:25

Instrument :

MSVOA_N

ClientSampleId :

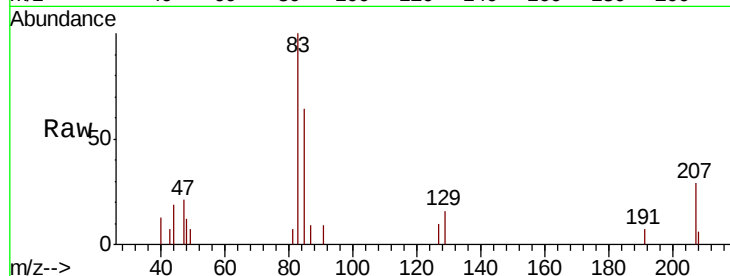
Tot Ion: 83 Resp: 4876

Ion Ratio Lower Upper

83 100

85 63.8 51.5 77.3

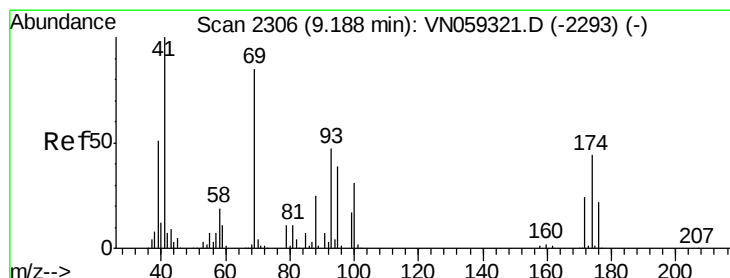
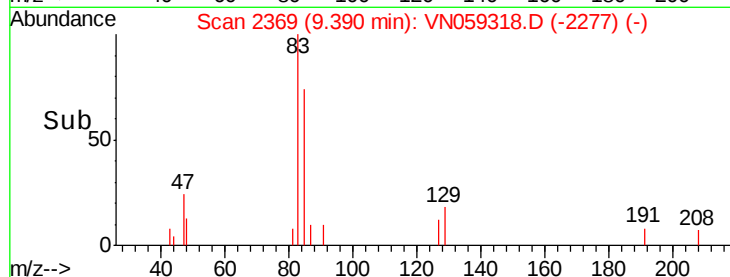
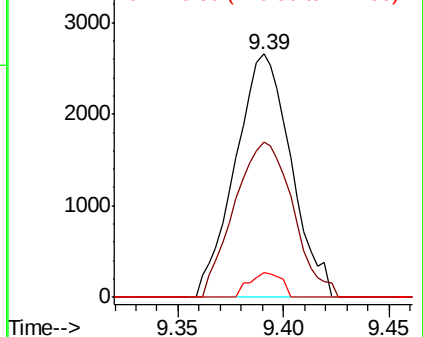
127 10.0 6.6 10.0#



Abundance Ion 82.90 (82.60 to 83.60): VN059318.D (-2277) (-)

Ion 84.90 (84.60 to 85.60): VN059318.D (-2277) (-)

Ion 126.80 (126.50 to 127.50): VN059318.D (-2277) (-)



#48

Methyl methacrylate

Concen: 0.826 ug/l

RT: 9.19 min Scan# 2307

Delta R.T. 0.00 min

Lab File: VN059318.D

Acq: 20 Nov 2019 11:25

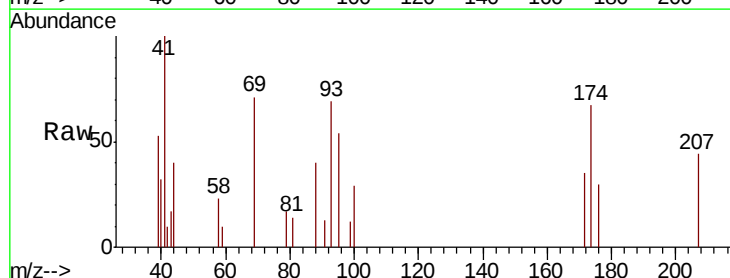
Tgt Ion: 41 Resp: 3694

Ion Ratio Lower Upper

41 100

69 68.7 68.8 103.2#

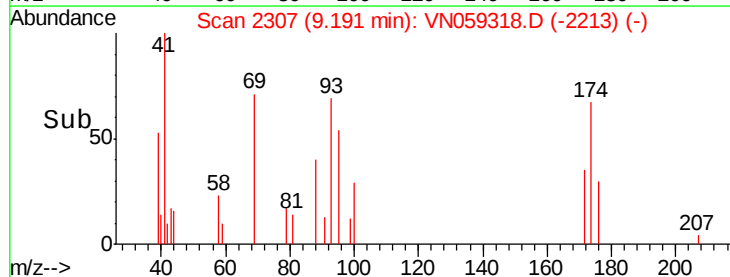
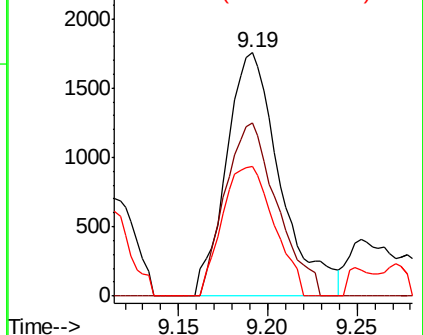
39 51.2 42.1 63.1

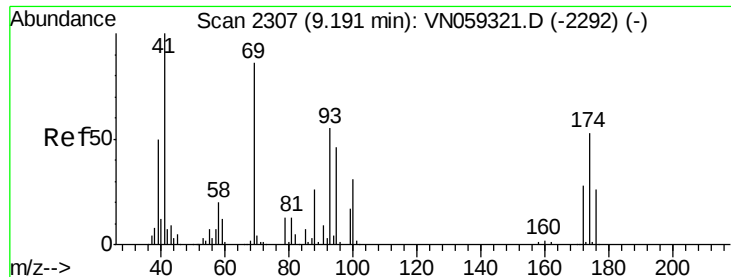


Abundance Ion 41.00 (40.70 to 41.70): VN059318.D (-2213) (-)

Ion 69.00 (68.70 to 69.70): VN059318.D (-2213) (-)

Ion 39.00 (38.70 to 39.70): VN059318.D (-2213) (-)

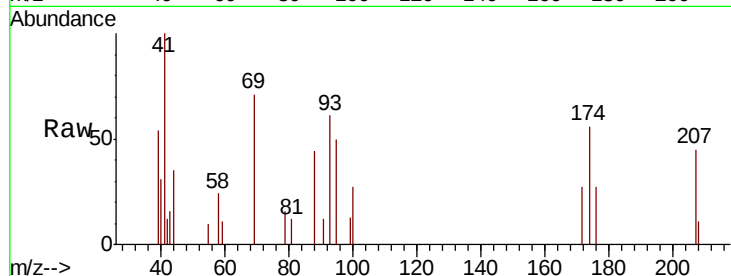




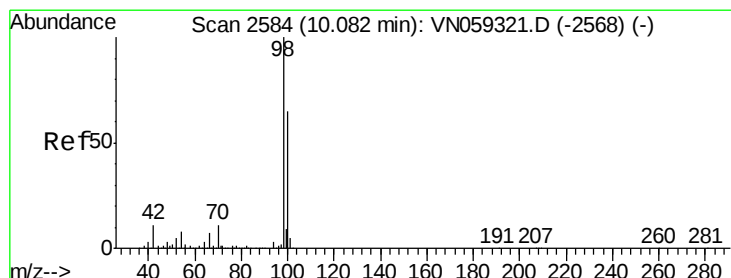
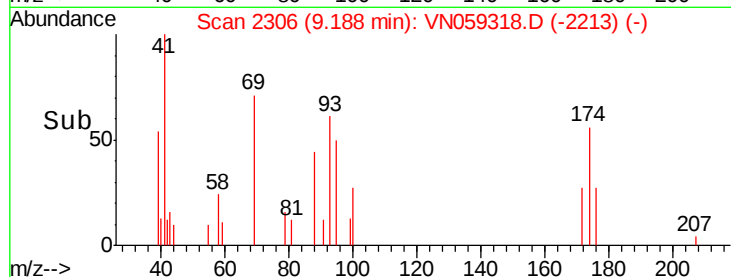
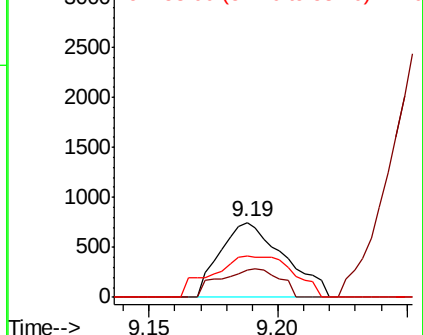
#49
1,4-Dioxane
Concen: 19.181 ug/l
RT: 9.19 min Scan# 2306
Delta R.T. -0.00 min
Lab File: VN059318.D
Acq: 20 Nov 2019 11:25

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 88 Resp: 1289
Ion Ratio Lower Upper
88 100
43 35.7 26.9 40.3
58 69.9 59.2 88.8

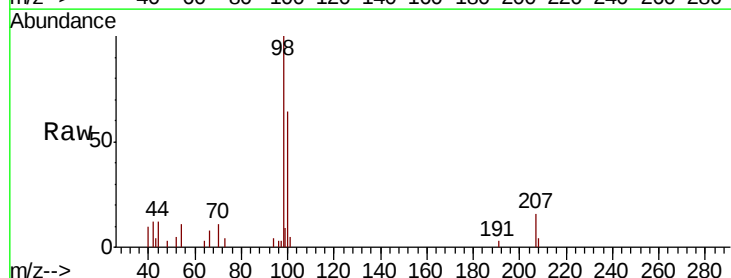


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

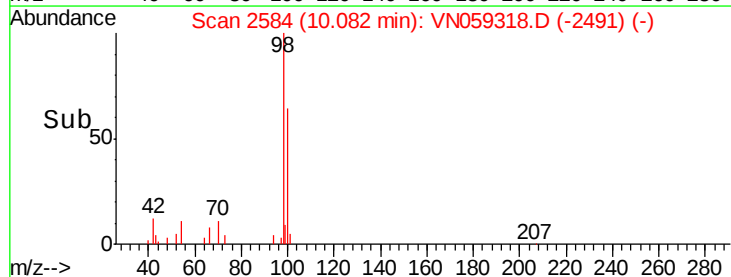
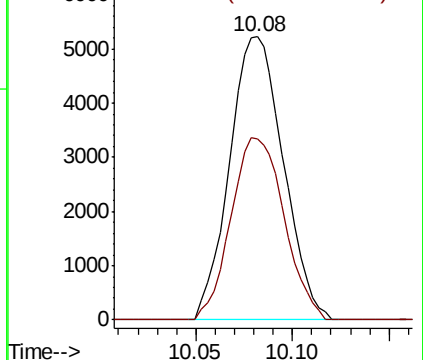


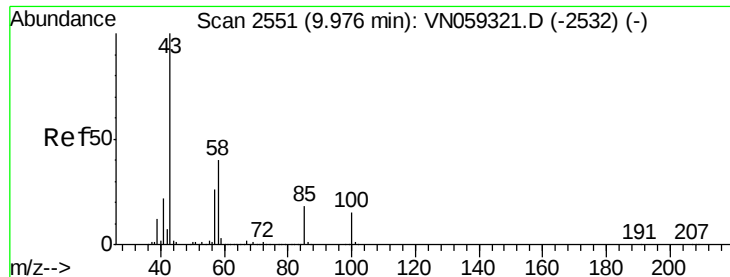
#50
Toluene-d8
Concen: 0.729 ug/l
RT: 10.08 min Scan# 2584
Delta R.T. 0.00 min
Lab File: VN059318.D
Acq: 20 Nov 2019 11:25

Tgt Ion: 98 Resp: 10083
Ion Ratio Lower Upper
98 100
100 63.5 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: 3.851 ug/l

RT: 9.98 min Scan# 2551

Delta R.T. 0.00 min

Lab File: VN059318.D

Acq: 20 Nov 2019 11:25

Instrument :

MSVOA_N

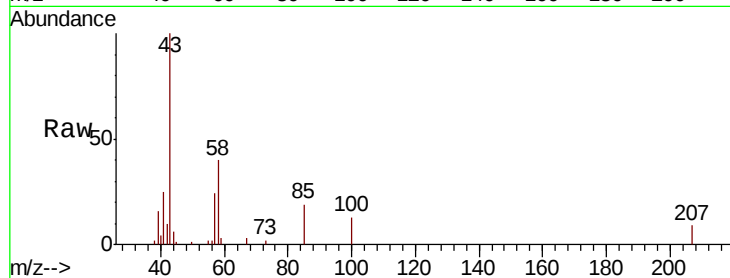
ClientSampleId :

Tot Ion: 43 Resp: 22164

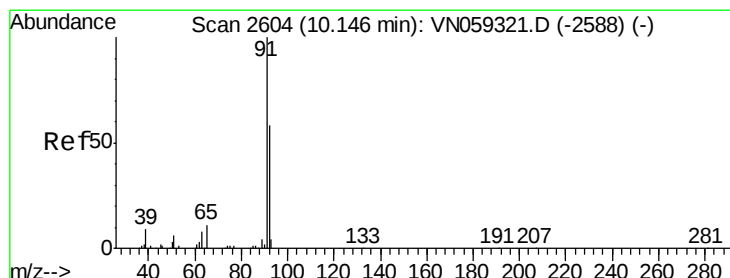
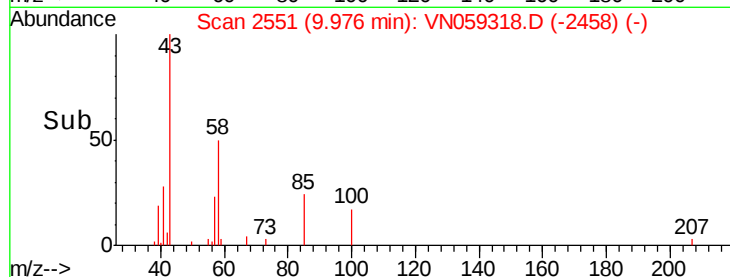
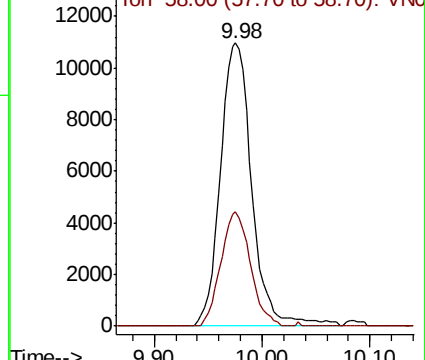
Ion Ratio Lower Upper

43 100

58 37.8 31.8 47.8



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



#52

Toluene

Concen: 0.811 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. 0.00 min

Lab File: VN059318.D

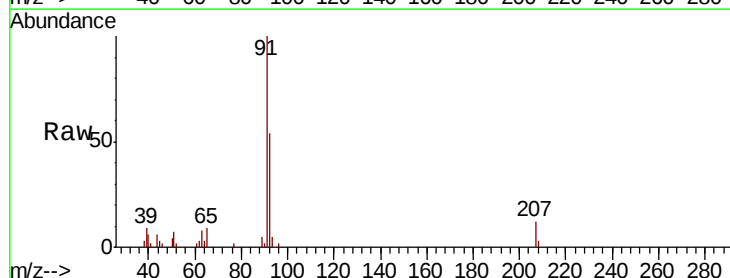
Acq: 20 Nov 2019 11:25

Tgt Ion: 92 Resp: 8566

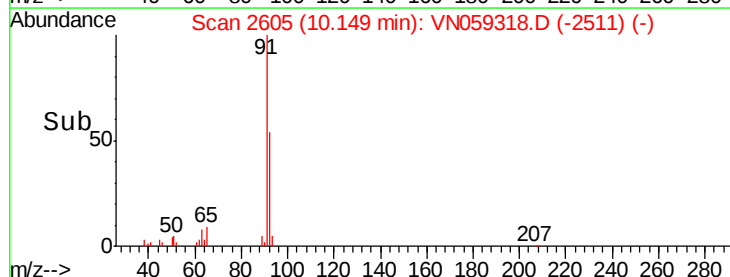
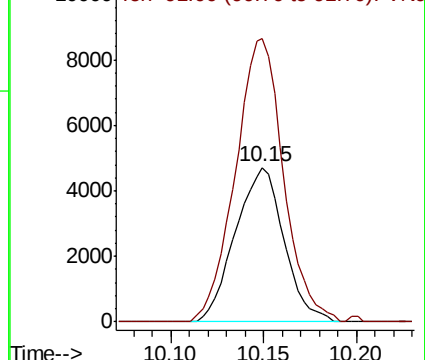
Ion Ratio Lower Upper

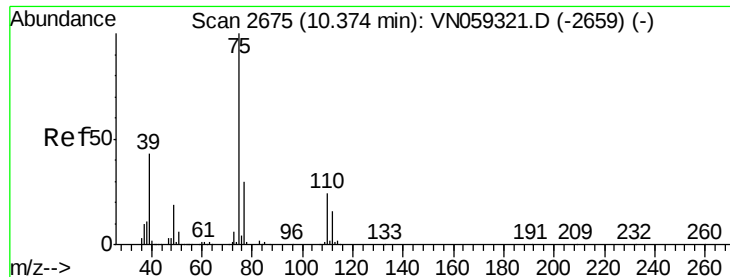
92 100

91 181.6 137.9 206.9



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





#53

t-1,3-Dichloropropene

Concen: 0.797 ug/l

RT: 10.38 min Scan# 2676

Delta R.T. 0.00 min

Lab File: VN059318.D

Acq: 20 Nov 2019 11:25

Instrument :

MSVOA_N

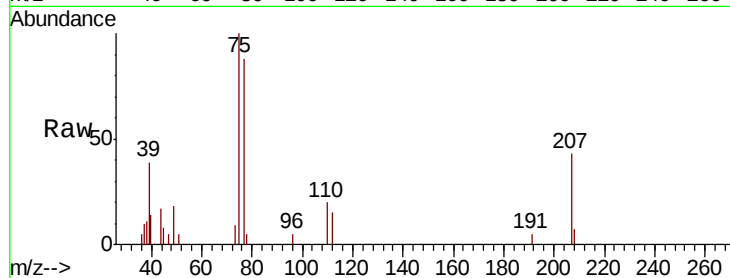
ClientSampleId :

Tot Ion: 75 Resp: 5330

Ion Ratio Lower Upper

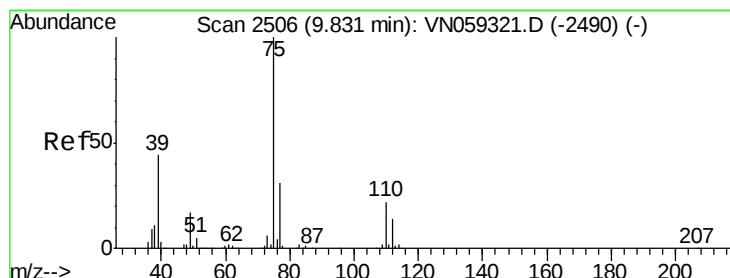
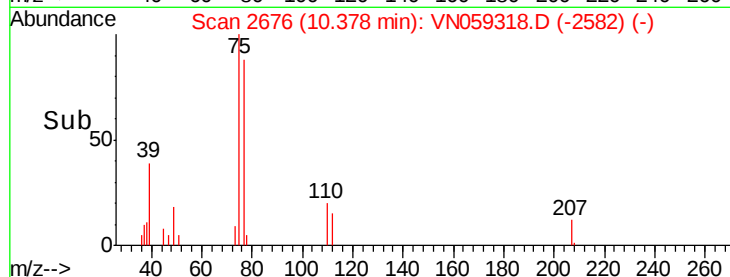
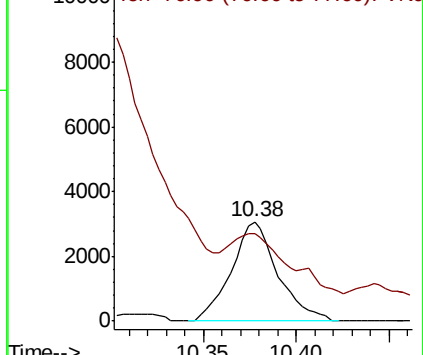
75 100

77 57.9 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: 0.757 ug/l

RT: 9.83 min Scan# 2506

Delta R.T. 0.00 min

Lab File: VN059318.D

Acq: 20 Nov 2019 11:25

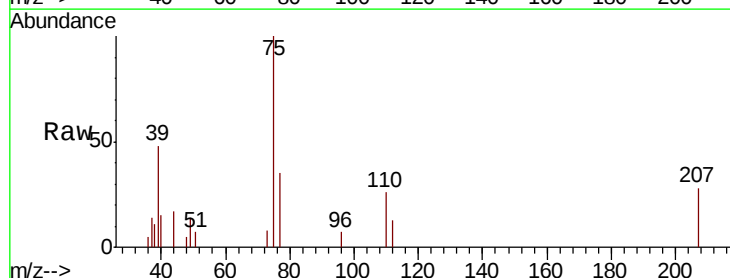
Tgt Ion: 75 Resp: 5496

Ion Ratio Lower Upper

75 100

77 35.5 25.0 37.4

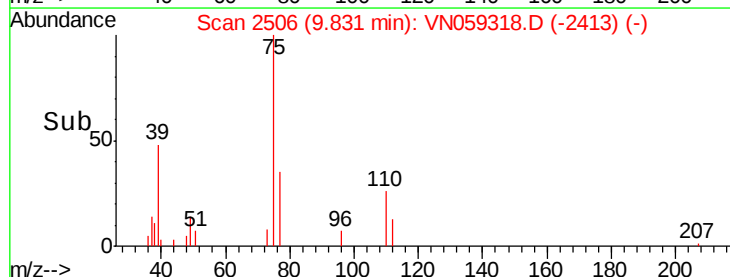
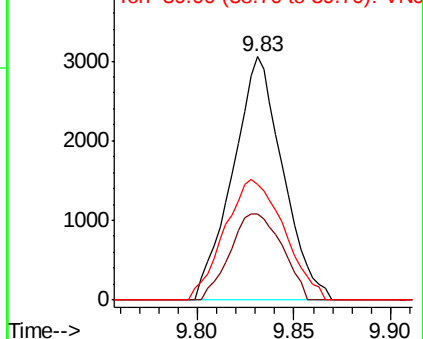
39 47.7 35.5 53.3

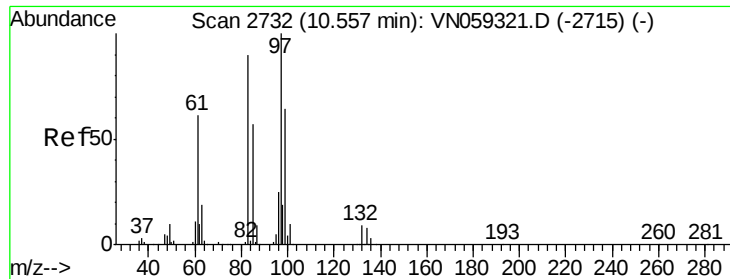


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

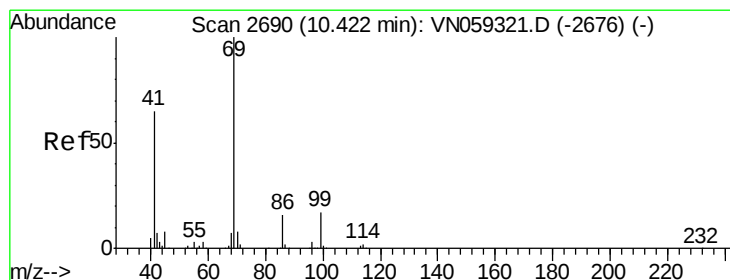
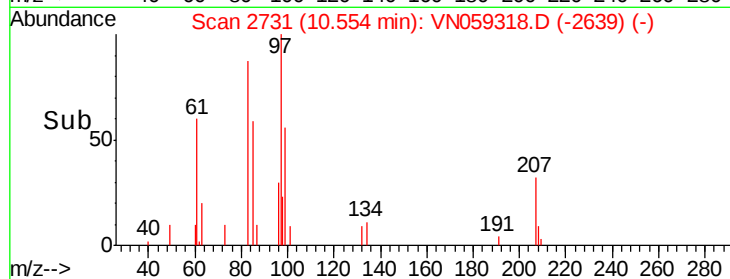
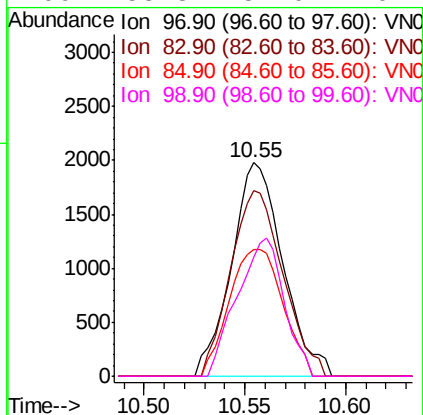
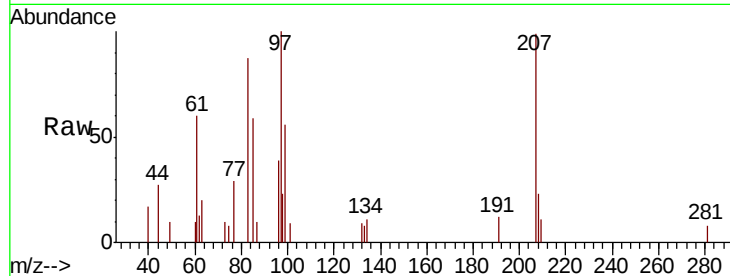




#55
 1,1,2-Trichloroethane
 Concen: 0.857 ug/l
 RT: 10.55 min Scan# 2731
 Delta R.T. -0.00 min
 Lab File: VN059318.D
 Acq: 20 Nov 2019 11:25

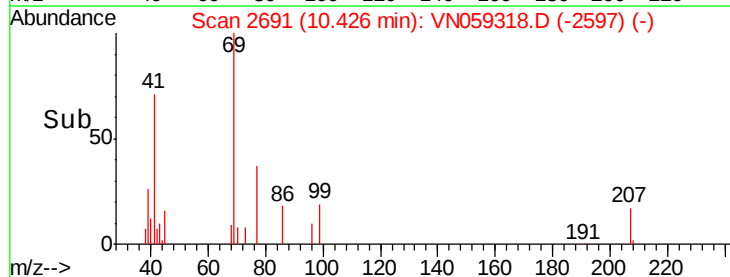
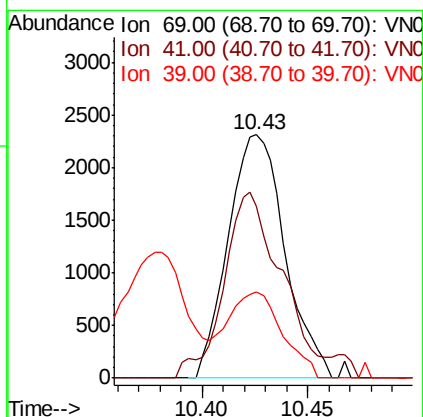
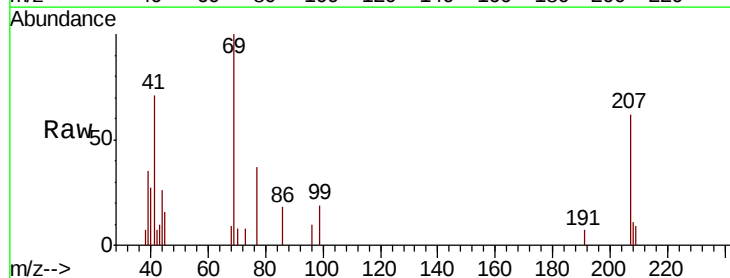
Instrument :
 MSVOA_N
 ClientSampleId :

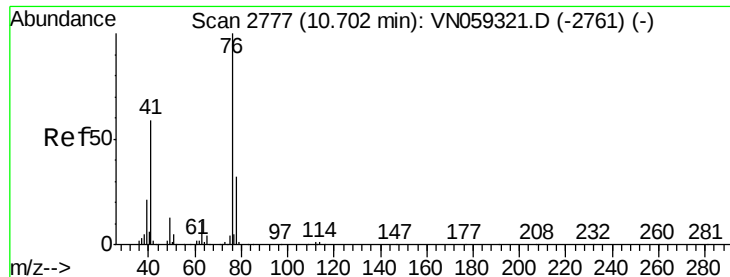
Tot Ion:	97	Resp:	3520
Ion	Ratio	Lower	Upper
97	100		
83	86.7	72.0	108.0
85	59.2	45.8	68.6
99	55.8	51.0	76.4



#56
 Ethyl methacrylate
 Concen: 2.788 ug/l
 RT: 10.43 min Scan# 2691
 Delta R.T. 0.00 min
 Lab File: VN059318.D
 Acq: 20 Nov 2019 11:25

Tgt Ion:	69	Resp:	4323
Ion	Ratio	Lower	Upper
69	100		
41	77.1	51.7	77.5
39	34.7	25.2	37.8





#57

1,3-Dichloropropane

Concen: 0.837 ug/l

RT: 10.70 min Scan# 2777

Delta R.T. 0.00 min

Lab File: VN059318.D

Acq: 20 Nov 2019 11:25

Instrument :

MSVOA_N

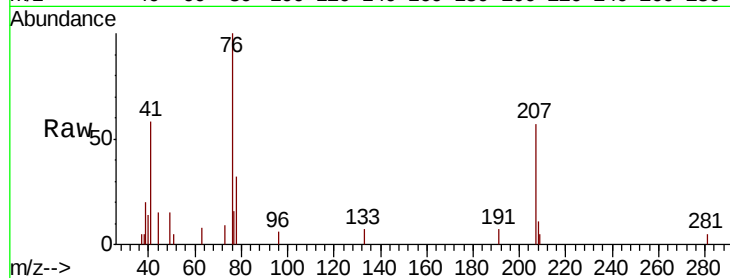
ClientSampleId :

Tot Ion: 76 Resp: 5993

Ion Ratio Lower Upper

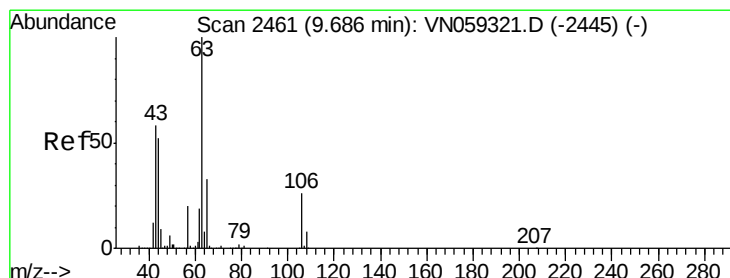
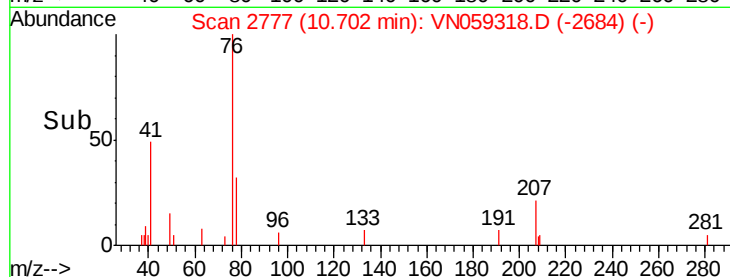
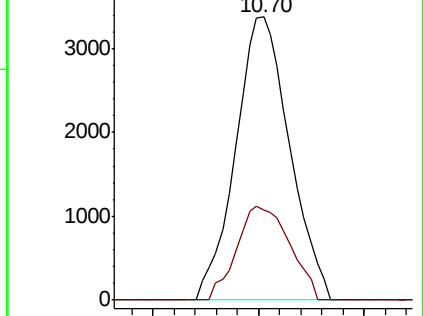
76 100

78 32.6 26.0 39.0



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 25.883 ug/l

RT: 9.69 min Scan# 2461

Delta R.T. 0.00 min

Lab File: VN059318.D

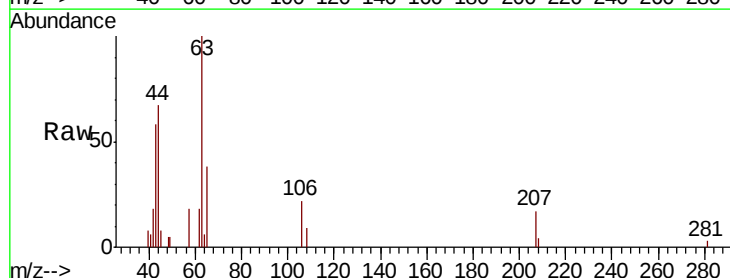
Acq: 20 Nov 2019 11:25

Tgt Ion: 63 Resp: 8684

Ion Ratio Lower Upper

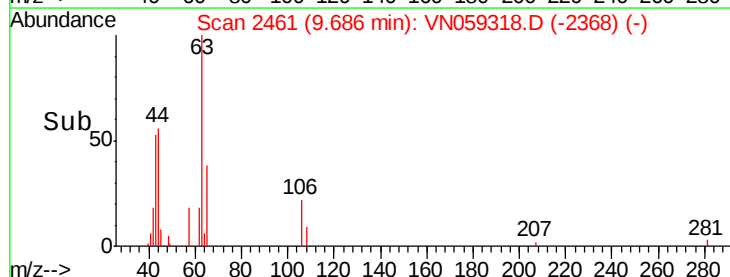
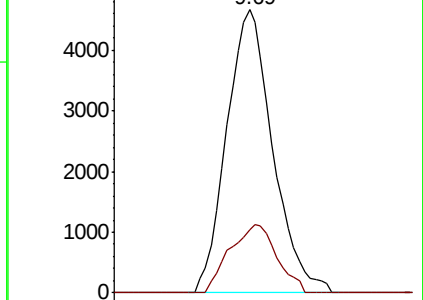
63 100

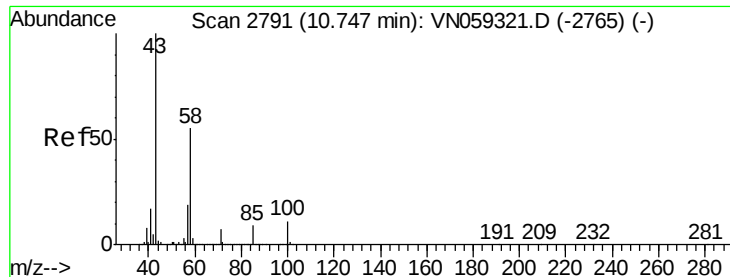
106 24.5 20.5 30.7



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

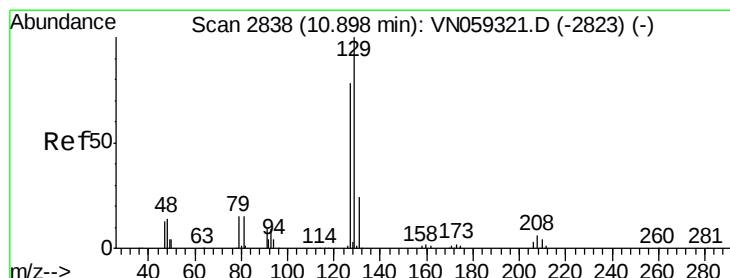
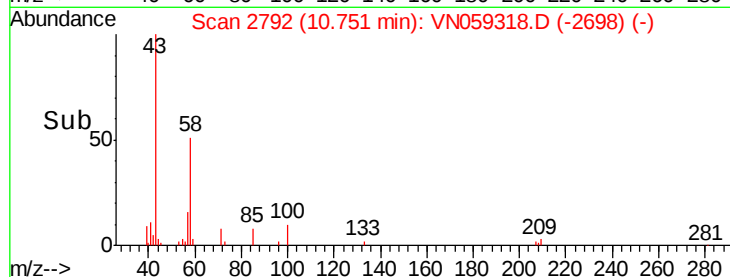
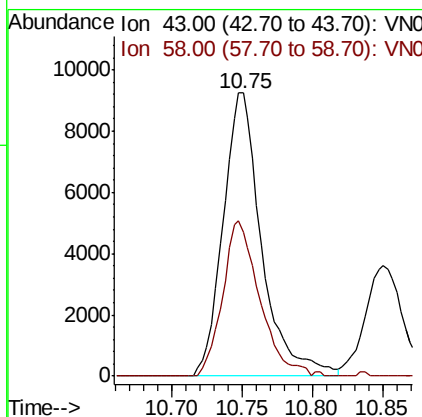
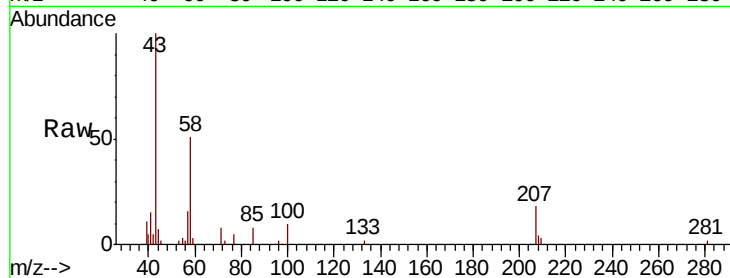




#59
2-Hexanone
Concen: 4.182 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN059318.D
Acq: 20 Nov 2019 11:25

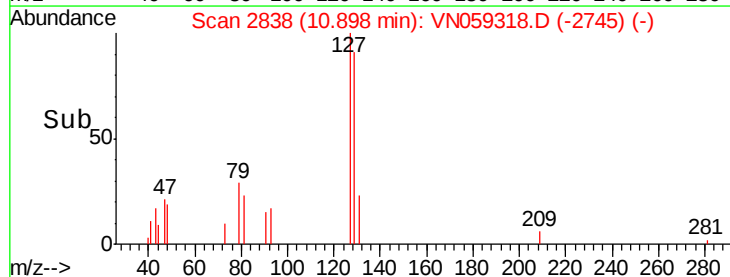
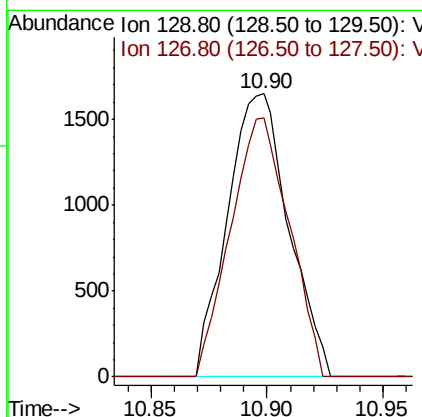
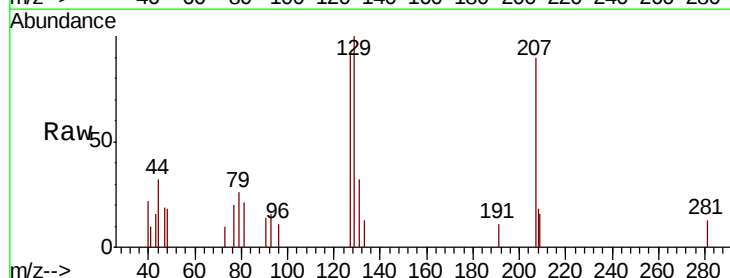
Instrument :
MSVOA_N
ClientSampled :

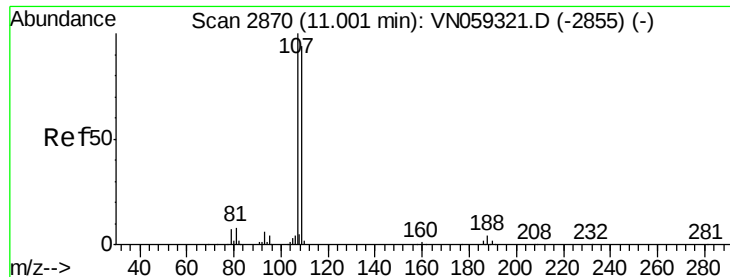
Tot Ion: 43.00 Resp: 17624
Ion Ratio Lower Upper
43 100
58 52.4 27.7 83.0



#60
Dibromochloromethane
Concen: 0.700 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. 0.00 min
Lab File: VN059318.D
Acq: 20 Nov 2019 11:25

Tgt Ion: 129 Resp: 3032
Ion Ratio Lower Upper
129 100
127 87.6 38.5 115.5

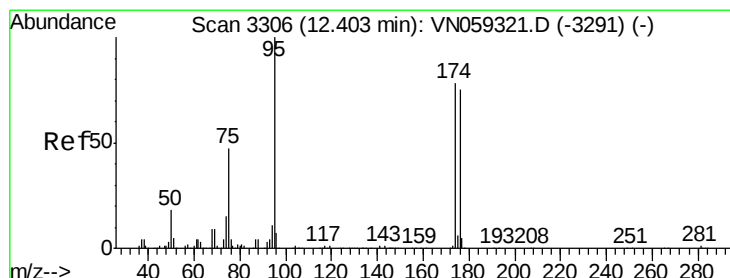
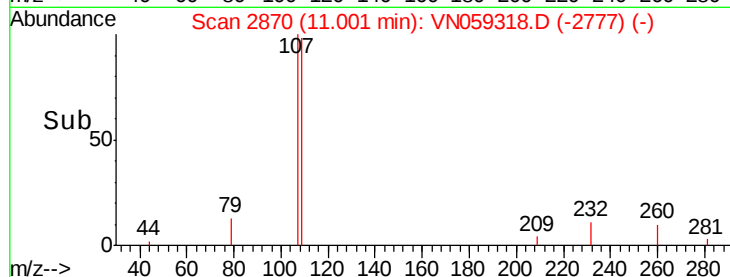
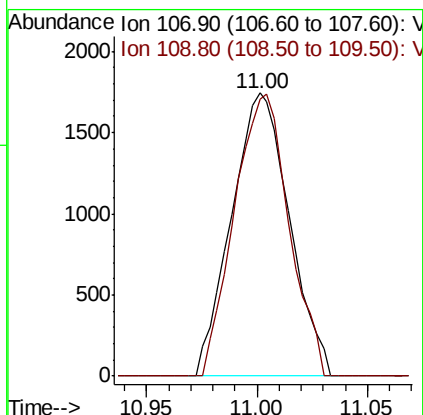
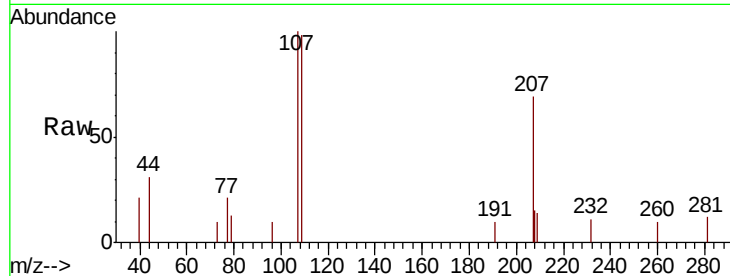




#61
 1,2-Dibromoethane
 Concen: 0.741 ug/l
 RT: 11.00 min Scan# 2870
 Delta R.T. 0.00 min
 Lab File: VN059318.D
 Acq: 20 Nov 2019 11:25

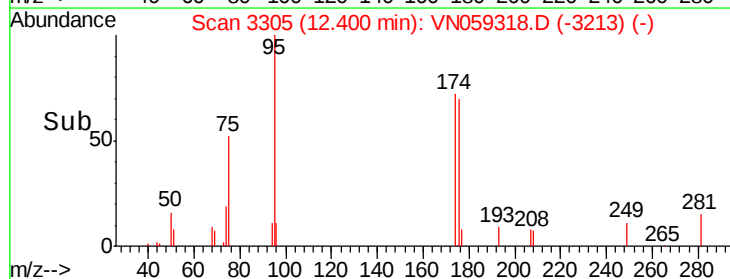
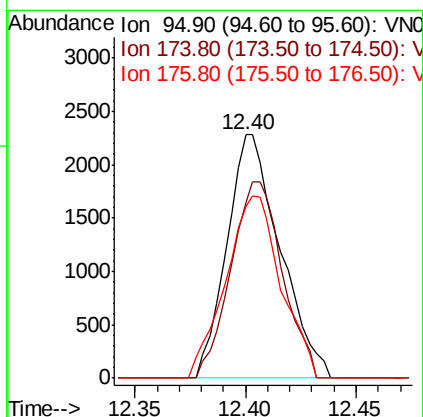
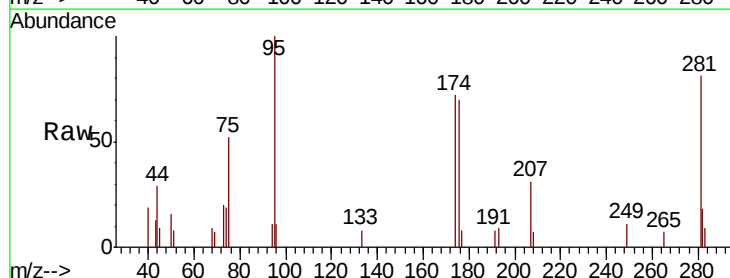
Instrument :
 MSVOA_N
 ClientSampleId :

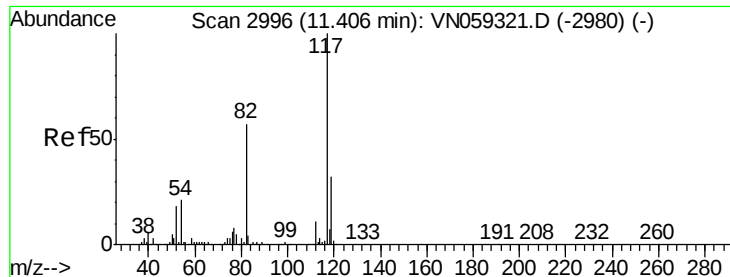
Tot Ion: 107 Resp: 3167
 Ion Ratio Lower Upper
 107 100
 109 94.2 75.4 113.2



#62
 4-Bromofluorobenzene
 Concen: 0.788 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN059318.D
 Acq: 20 Nov 2019 11:25

Tgt Ion: 95 Resp: 3812
 Ion Ratio Lower Upper
 95 100
 174 78.4 0.0 157.4
 176 77.6 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: VN059318.D

Acq: 20 Nov 2019 11:25

Instrument :

MSVOA_N

ClientSampleId :

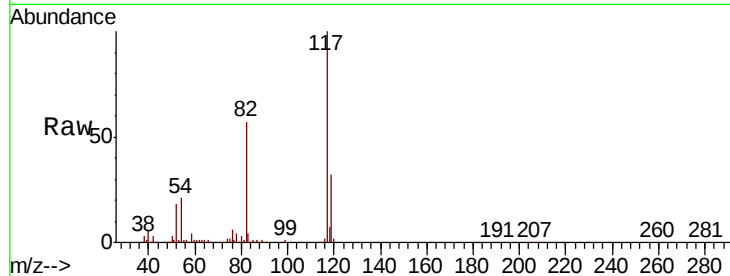
Tot Ion:117 Resp: 495648

Ion Ratio Lower Upper

117 100

82 56.5 45.7 68.5

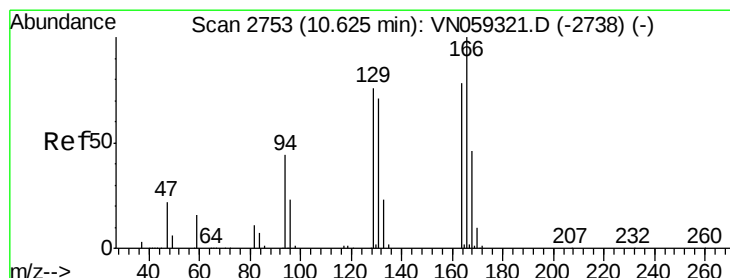
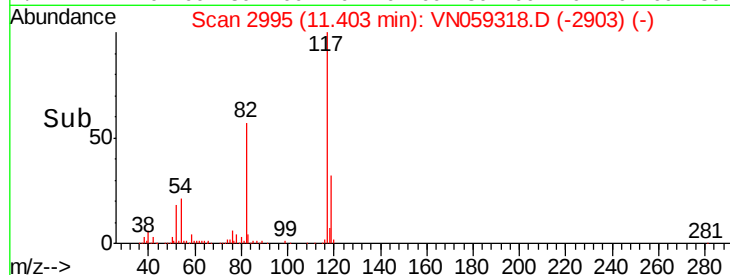
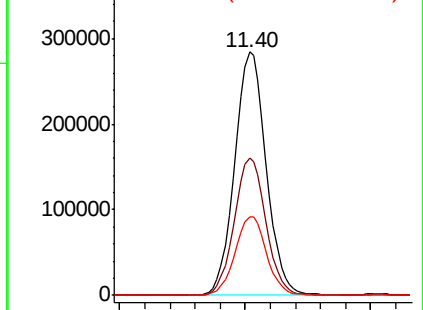
119 32.3 25.8 38.6



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: 0.995 ug/l

RT: 10.62 min Scan# 2752

Delta R.T. -0.00 min

Lab File: VN059318.D

Acq: 20 Nov 2019 11:25

Tgt Ion:164 Resp: 3816

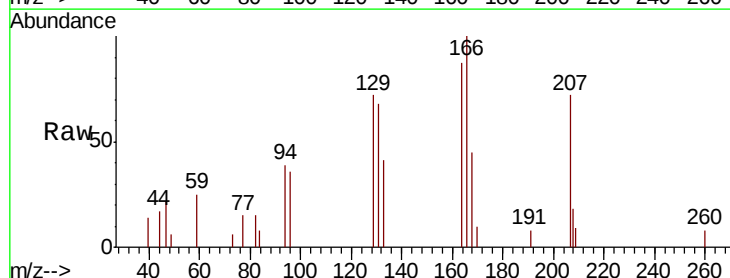
Ion Ratio Lower Upper

164 100

166 114.8 102.9 154.3

129 82.9 78.2 117.2

131 78.1 72.6 109.0

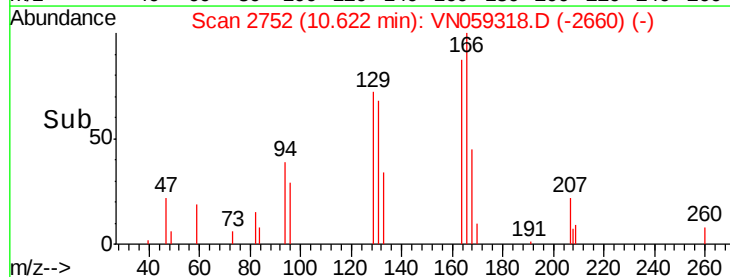
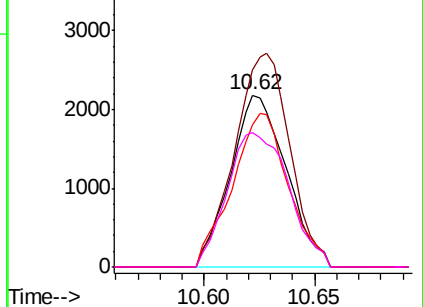


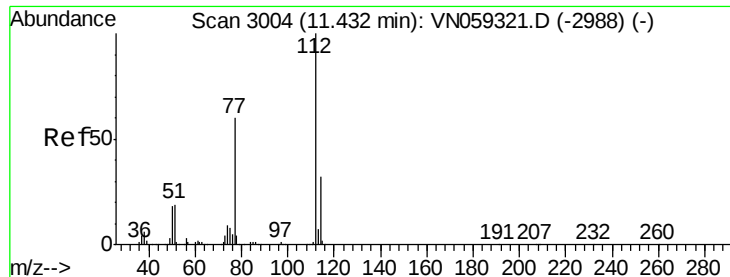
Abundance Ion 163.80 (163.50 to 164.50): V

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: 0.936 ug/l

RT: 11.43 min Scan# 3003

Delta R.T. -0.00 min

Lab File: VN059318.D

Acq: 20 Nov 2019 11:25

Instrument :

MSVOA_N

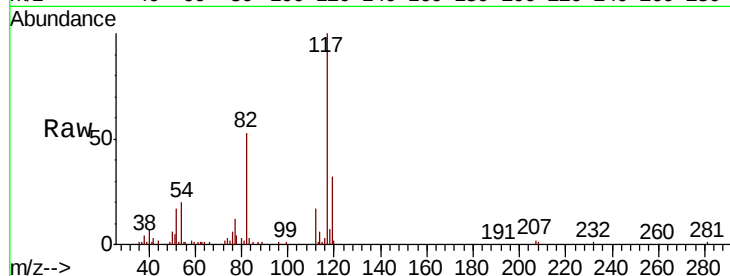
ClientSampleId :

Tot Ion:112 Resp: 9974

Ion Ratio Lower Upper

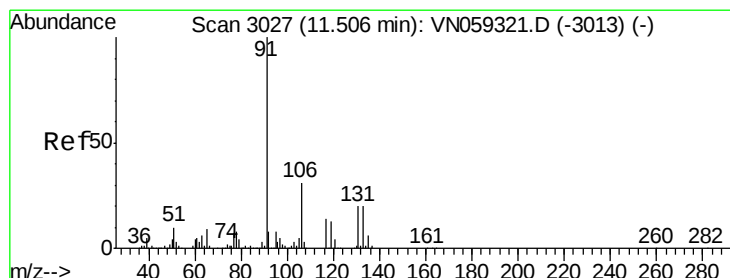
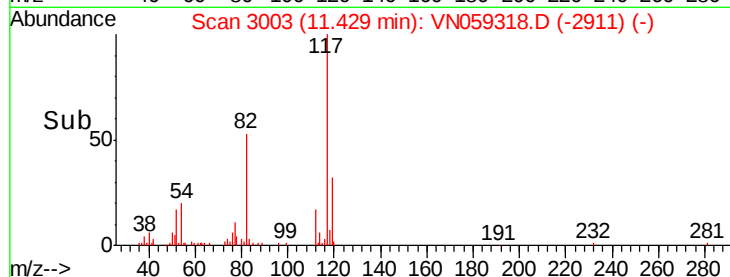
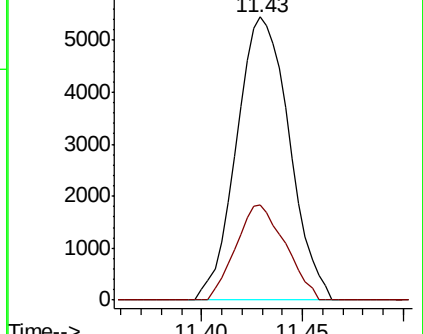
112 100

114 33.9 25.8 38.6



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 0.724 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN059318.D

Acq: 20 Nov 2019 11:25

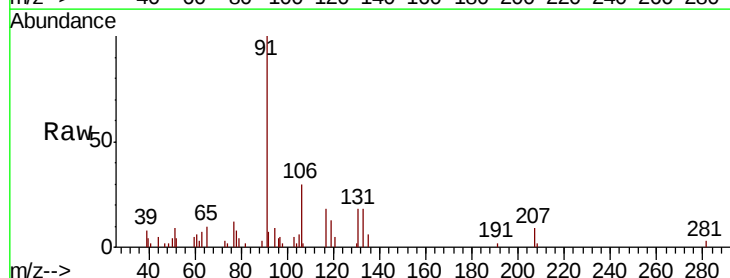
Tgt Ion:131 Resp: 2805

Ion Ratio Lower Upper

131 100

133 128.3 48.2 144.6

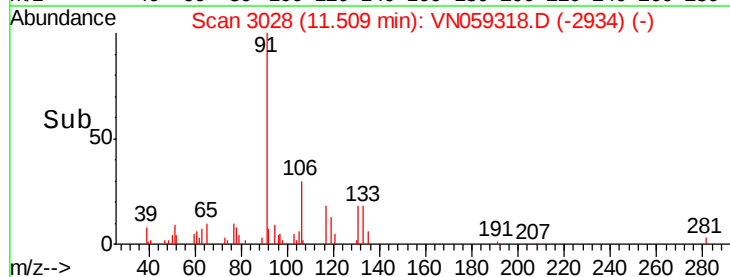
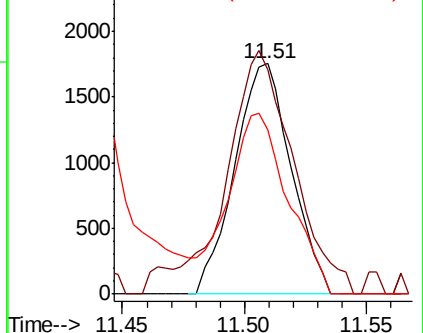
119 0.0 33.6 100.6#

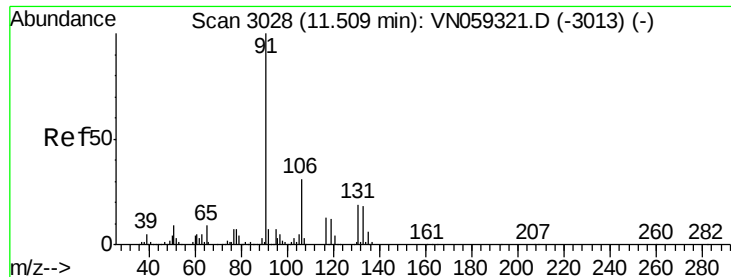


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

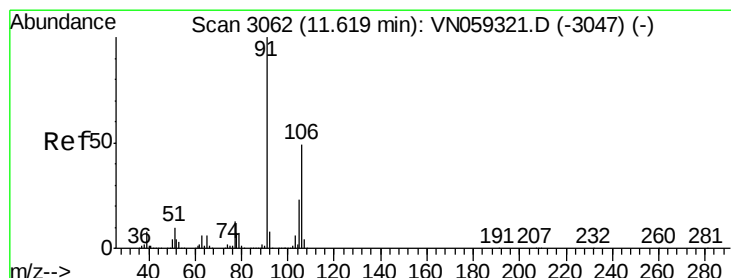
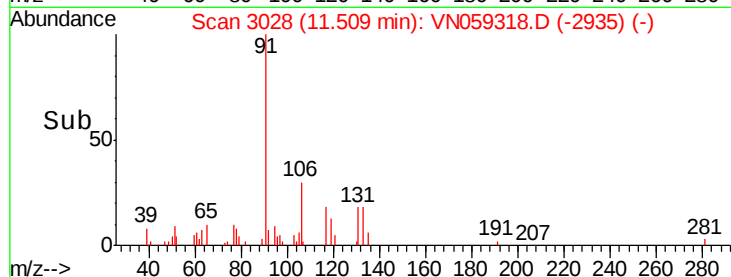
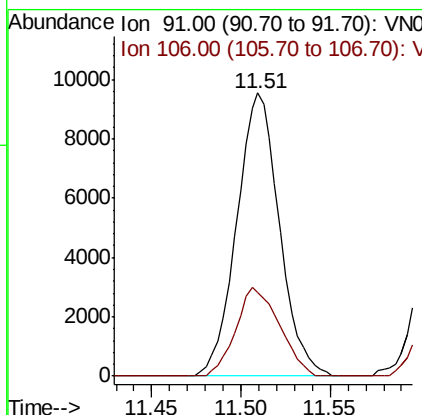
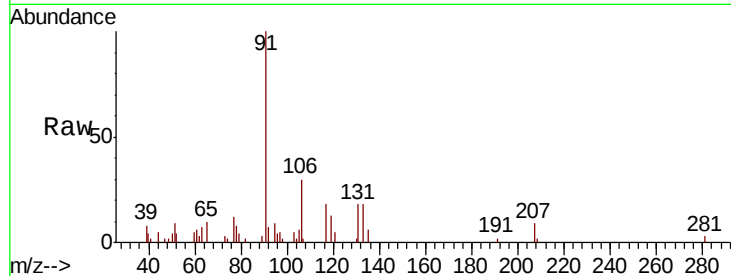




#67
Ethyl Benzene
Concen: 0.838 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN059318.D
Acq: 20 Nov 2019 11:25

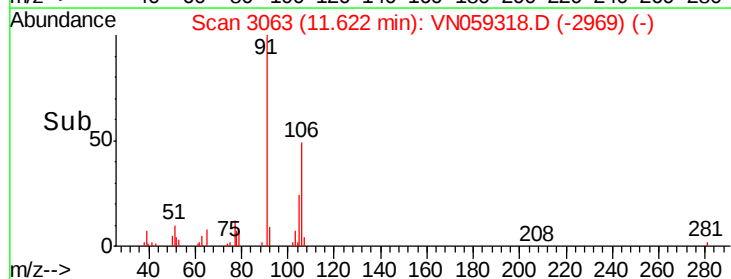
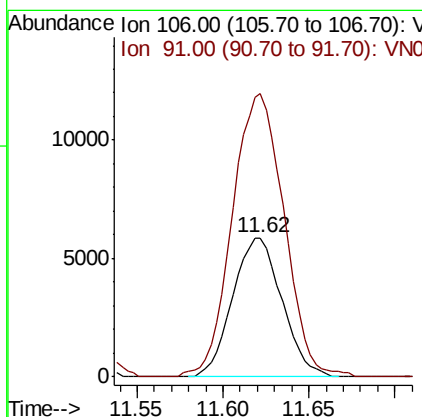
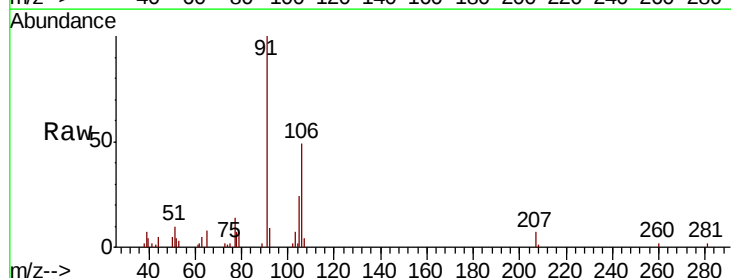
Instrument :
MSVOA_N
ClientSampled :

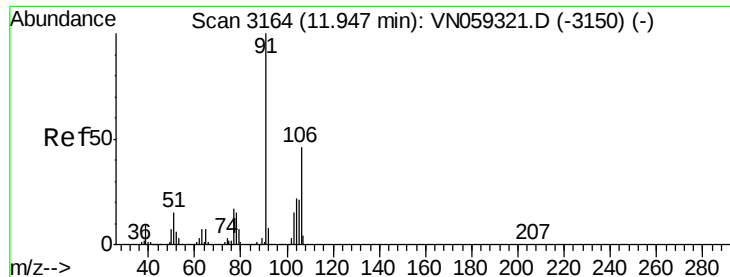
Tot Ion: 91 Resp: 15950
Ion Ratio Lower Upper
91 100
106 29.8 24.6 37.0



#68
m/p-Xylenes
Concen: 1.655 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN059318.D
Acq: 20 Nov 2019 11:25

Tgt Ion: 106 Resp: 11703
Ion Ratio Lower Upper
106 100
91 213.5 163.2 244.8

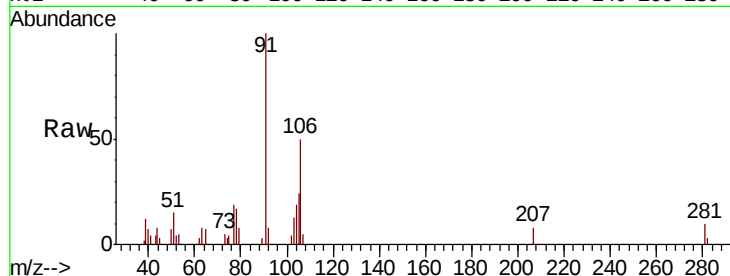




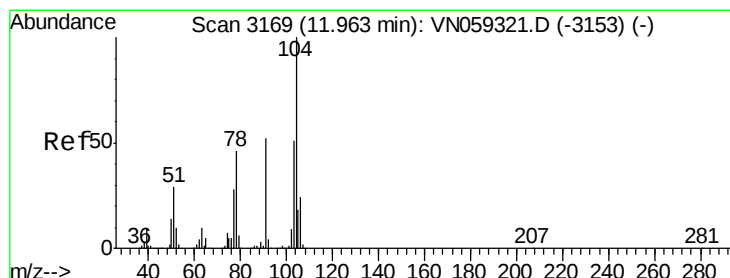
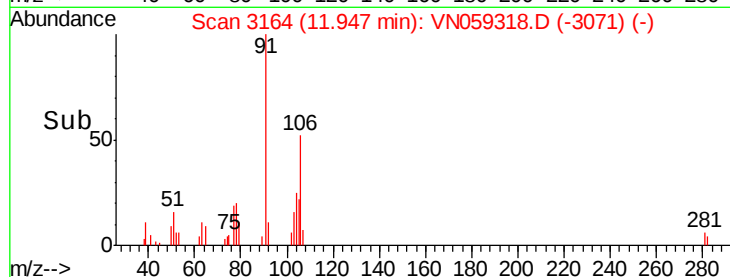
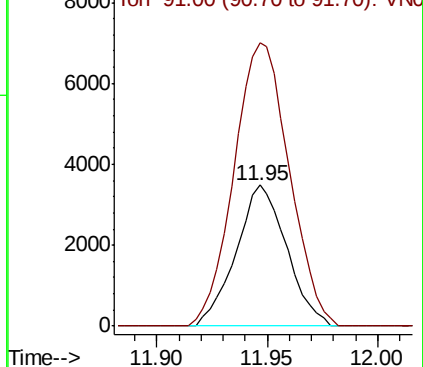
#69
o-Xylene
Concen: 0.818 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN059318.D
Acq: 20 Nov 2019 11:25

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:106 Resp: 5538
Ion Ratio Lower Upper
106 100
91 219.9 109.3 327.9

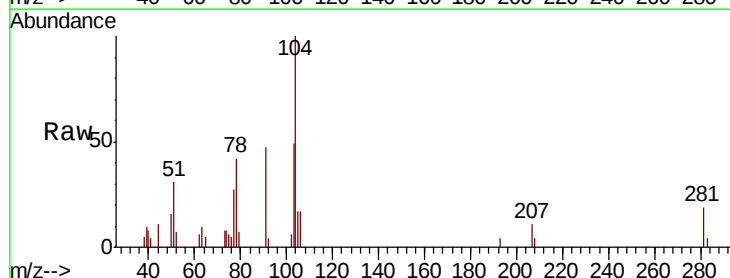


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

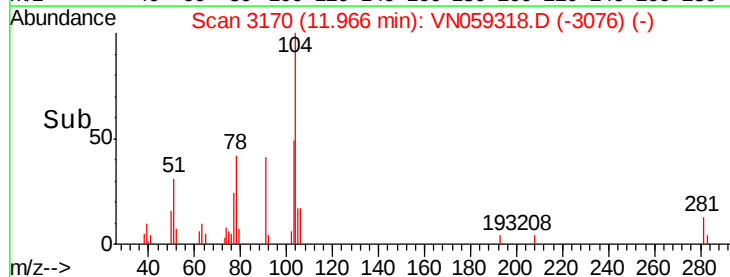
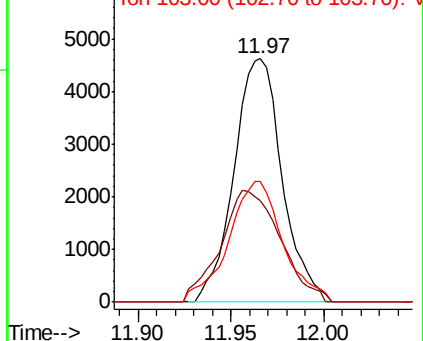


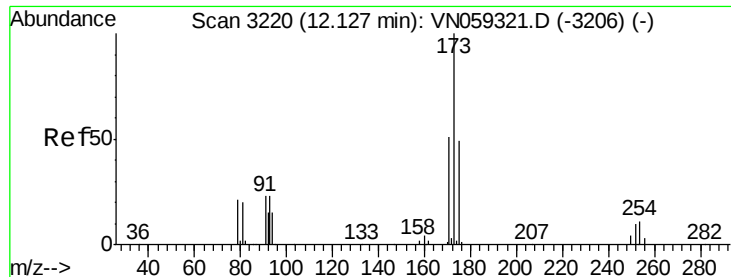
#70
Styrene
Concen: 0.782 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN059318.D
Acq: 20 Nov 2019 11:25

Tgt Ion:104 Resp: 8355
Ion Ratio Lower Upper
104 100
78 56.5 40.3 60.5
103 55.8 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: 0.835 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN059318.D

Acq: 20 Nov 2019 11:25

Instrument :

MSVOA_N

ClientSampled :

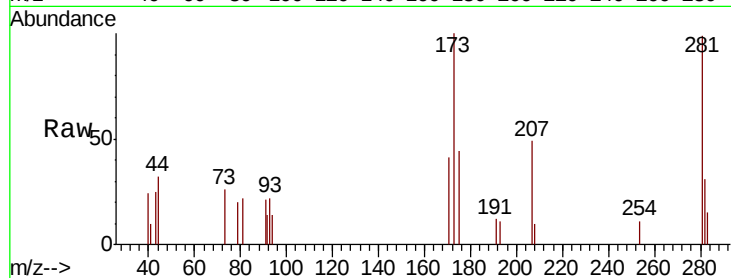
Tot Ion:173 Resp: 2448

Ion Ratio Lower Upper

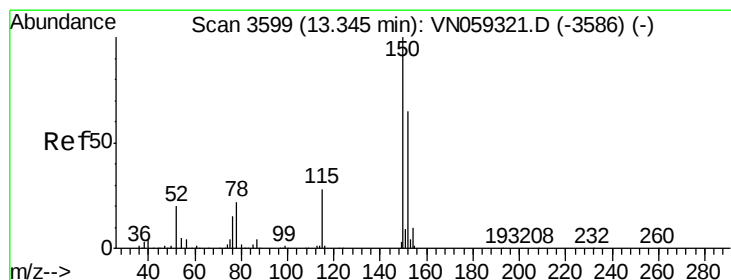
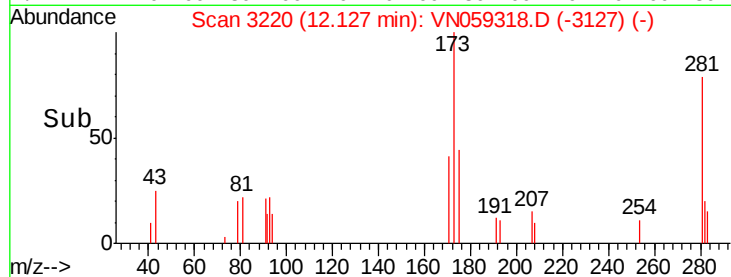
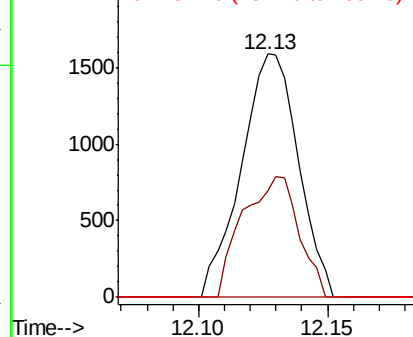
173 100

175 48.7 24.6 73.6

254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN059318.D

Acq: 20 Nov 2019 11:25

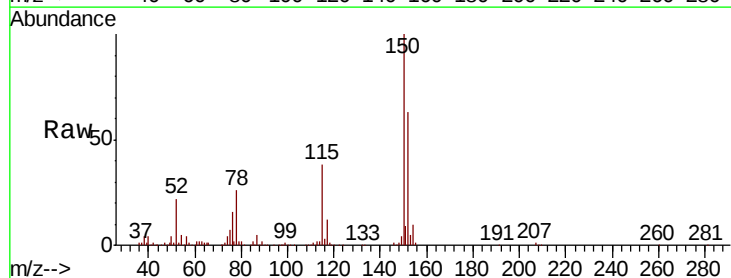
Tgt Ion:152 Resp: 194306

Ion Ratio Lower Upper

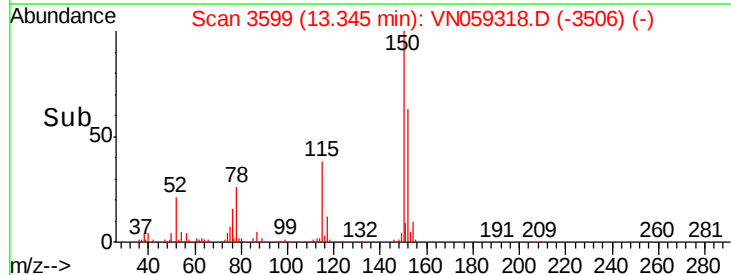
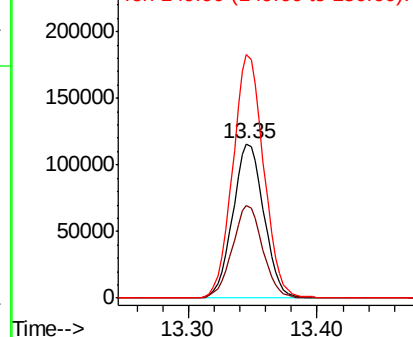
152 100

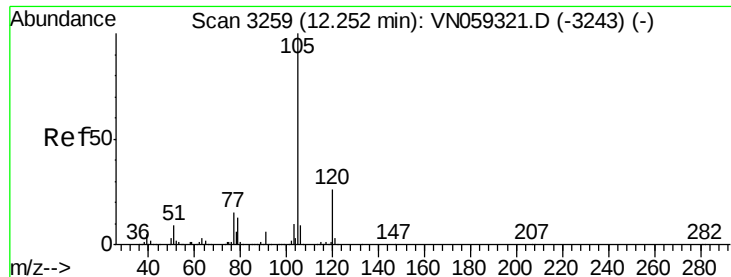
115 57.9 29.3 88.0

150 156.0 0.0 346.0



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 0.944 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN059318.D

Acq: 20 Nov 2019 11:25

Instrument :

MSVOA_N

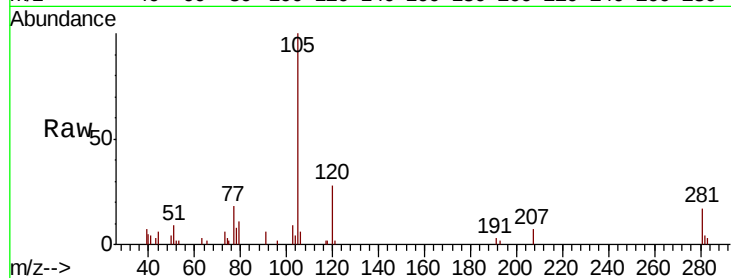
ClientSampled :

Tot Ion:105 Resp: 15033

Ion Ratio Lower Upper

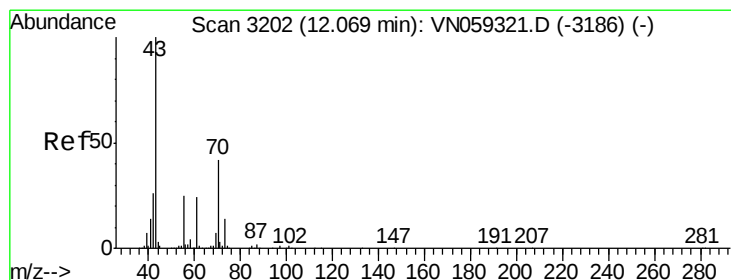
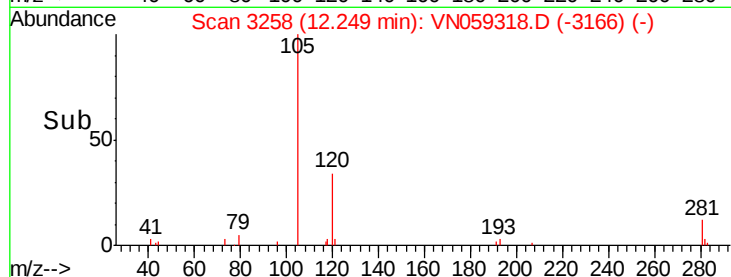
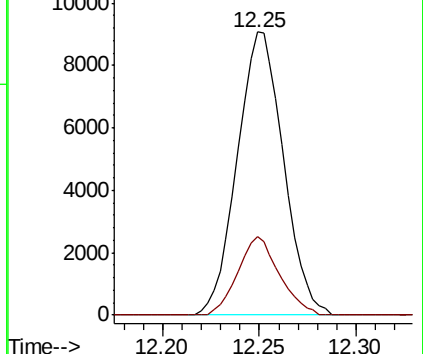
105 100

120 24.9 13.1 39.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 0.978 ug/l

RT: 12.08 min Scan# 3204

Delta R.T. 0.01 min

Lab File: VN059318.D

Acq: 20 Nov 2019 11:25

Tgt Ion: 43 Resp: 6258

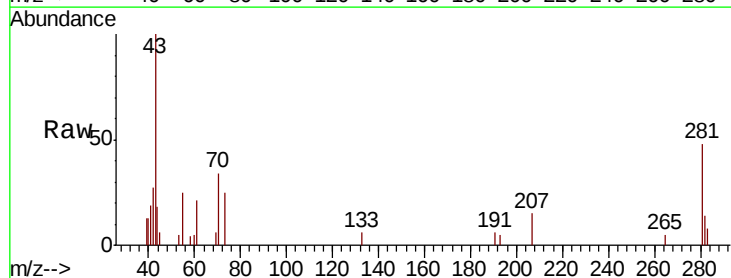
Ion Ratio Lower Upper

43 100

70 36.0 33.8 50.6

55 25.1 20.3 30.5

61 18.9 19.9 29.9#

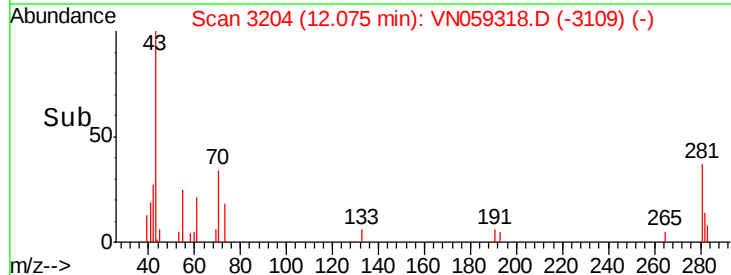
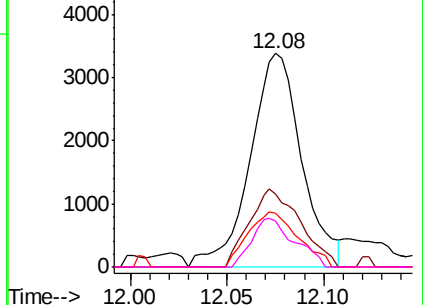


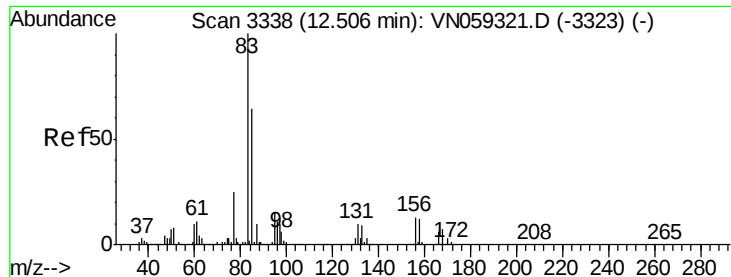
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 0.972 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN059318.D

Acq: 20 Nov 2019 11:25

Instrument :

MSVOA_N

ClientSampled :

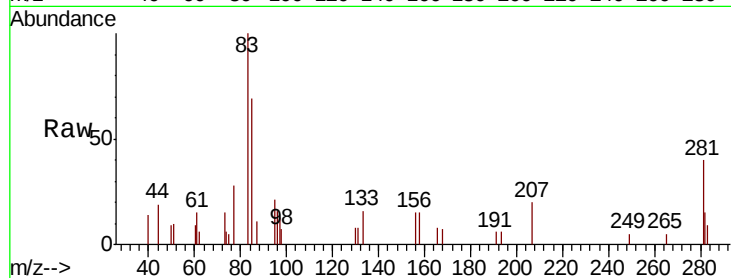
Tot Ion: 83 Resp: 5120

Ion Ratio Lower Upper

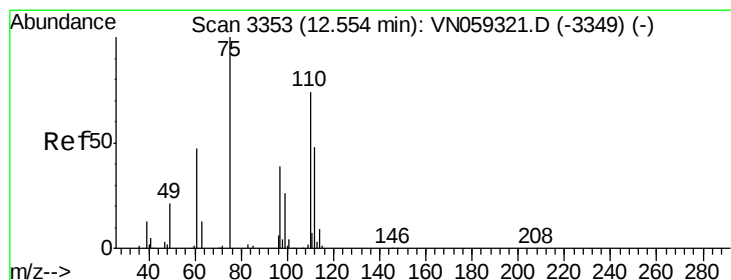
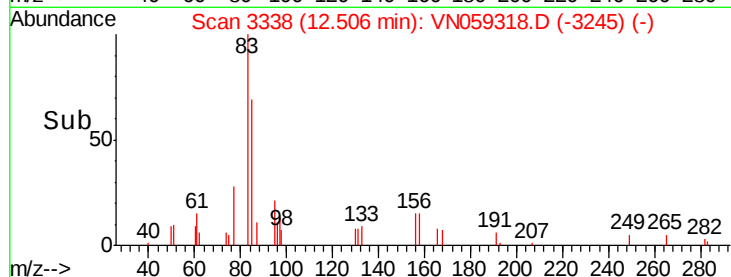
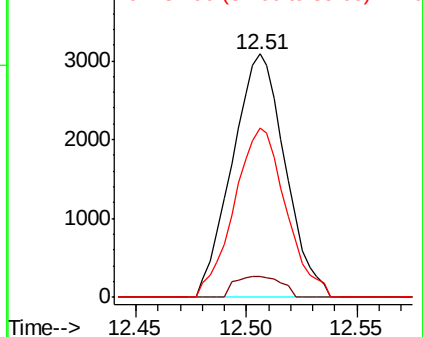
83 100

131 7.5 5.0 14.9

85 68.0 32.1 96.3



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 130.80 (130.50 to 131.50): VN0
Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 1.561 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN059318.D

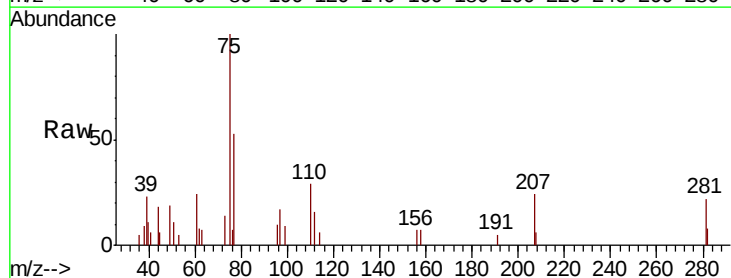
Acq: 20 Nov 2019 11:25

Tgt Ion: 75 Resp: 7007

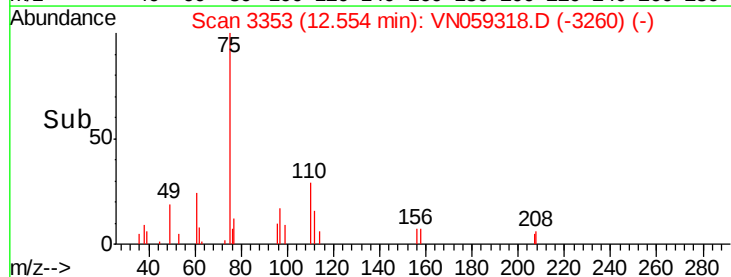
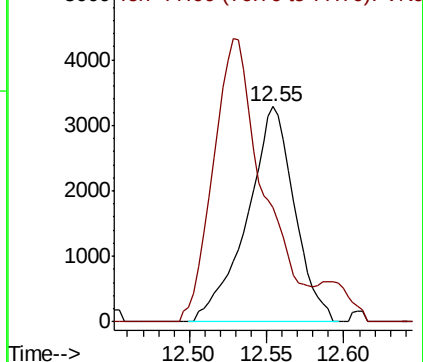
Ion Ratio Lower Upper

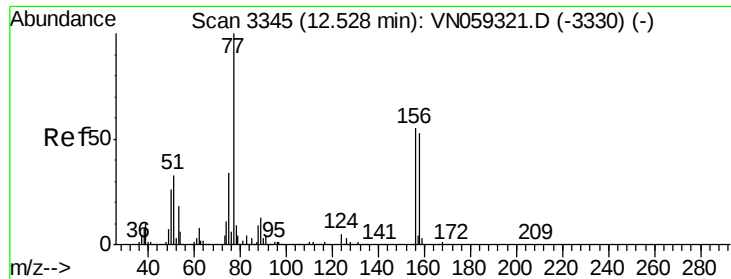
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0
Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 1.062 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN059318.D

Acq: 20 Nov 2019 11:25

Instrument :

MSVOA_N

ClientSampleId :

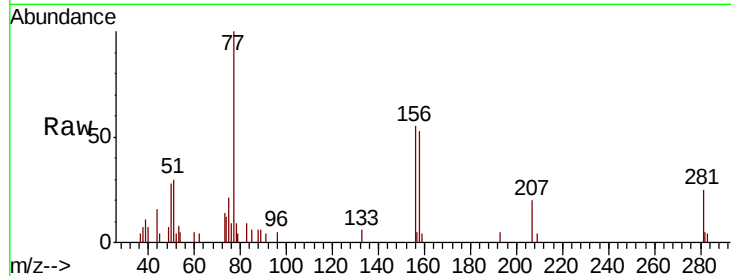
Tot Ion:156 Resp: 4102

Ion Ratio Lower Upper

156 100

77 239.4 111.1 333.4

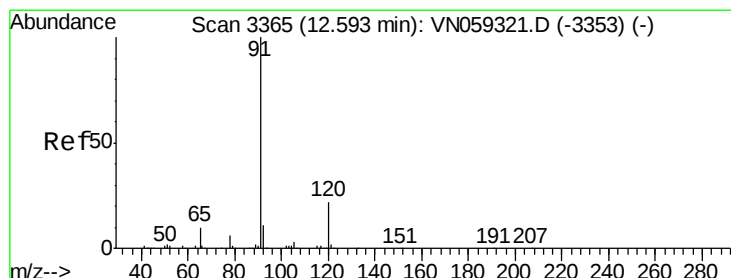
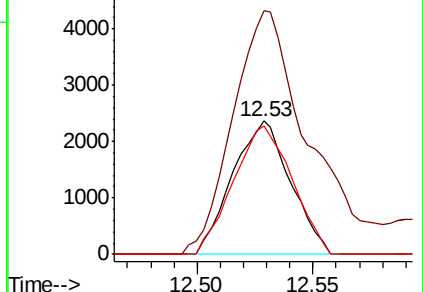
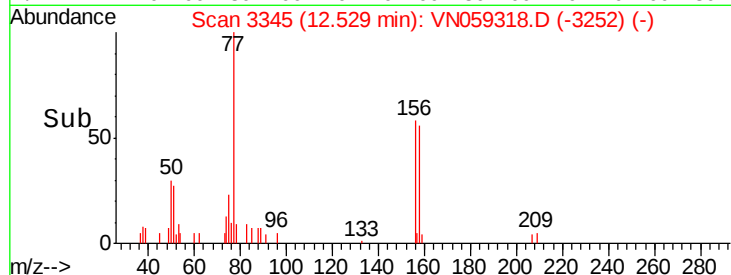
158 98.1 47.8 143.4



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: 0.949 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN059318.D

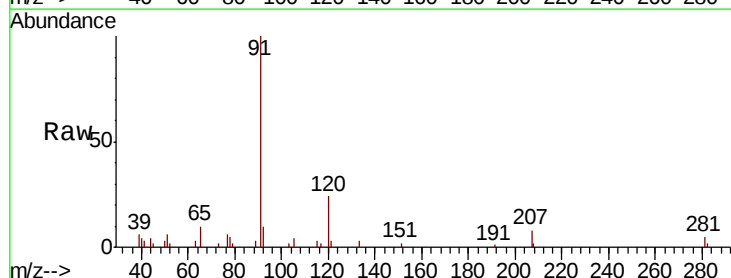
Acq: 20 Nov 2019 11:25

Tgt Ion: 91 Resp: 17103

Ion Ratio Lower Upper

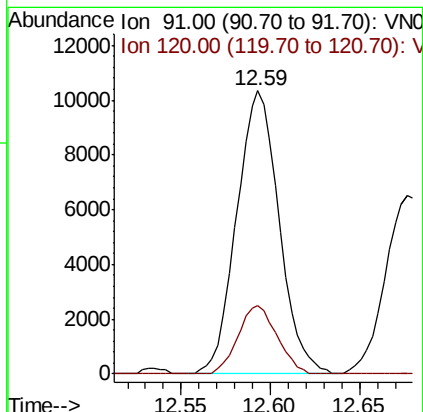
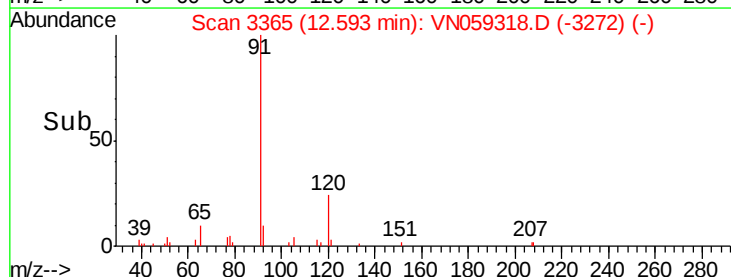
91 100

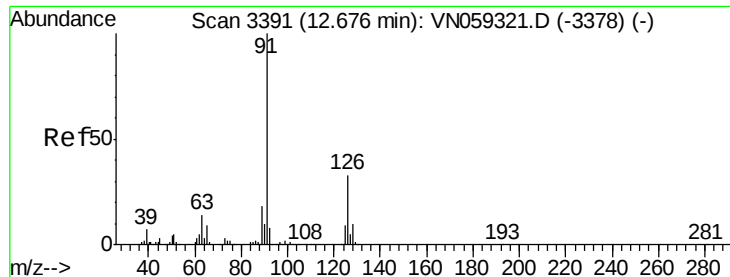
120 22.1 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 1.021 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN059318.D

Acq: 20 Nov 2019 11:25

Instrument :

MSVOA_N

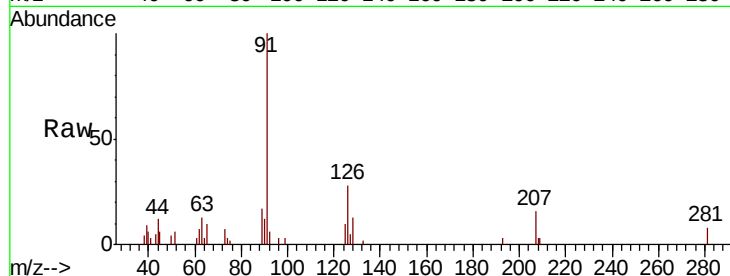
ClientSampled :

Tot Ion: 91 Resp: 11302

Ion Ratio Lower Upper

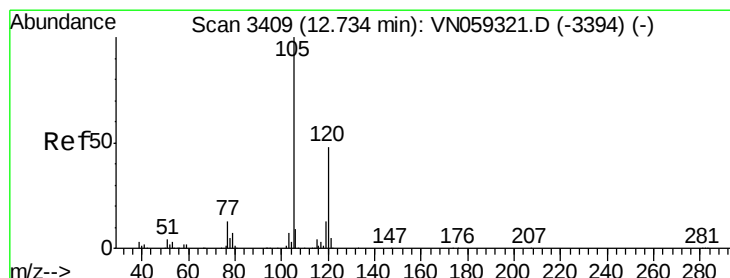
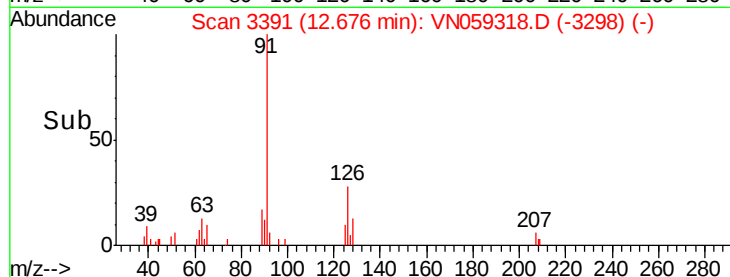
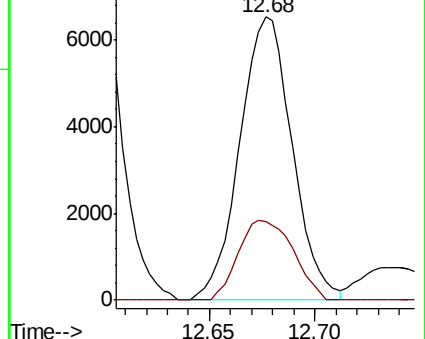
91 100

126 29.4 16.7 50.1



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

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



#80

1,3,5-Trimethylbenzene

Concen: 0.905 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN059318.D

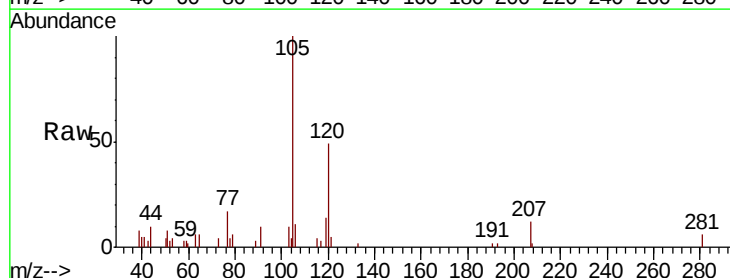
Acq: 20 Nov 2019 11:25

Tgt Ion: 105 Resp: 12113

Ion Ratio Lower Upper

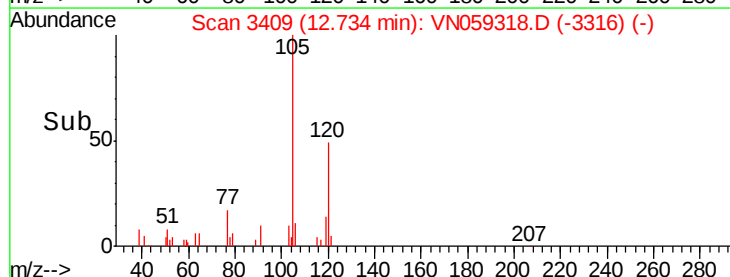
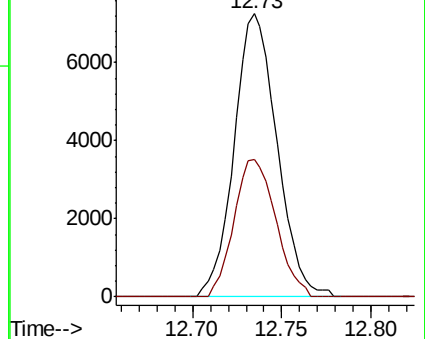
105 100

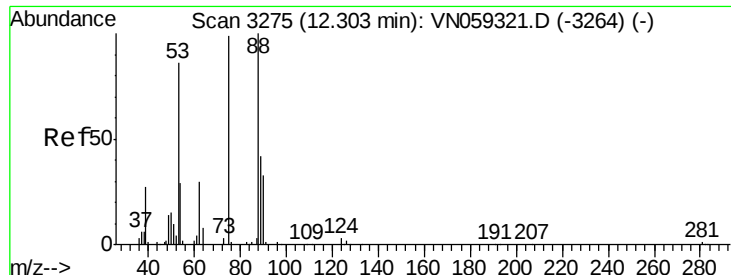
120 47.2 24.1 72.4



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

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

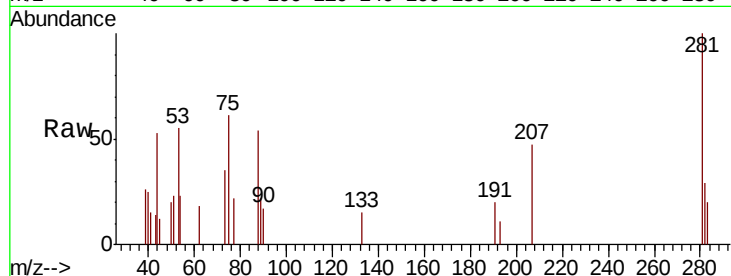




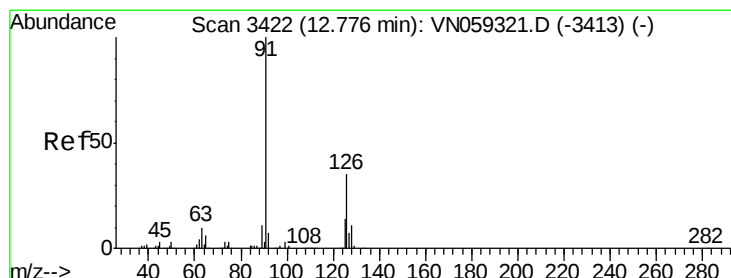
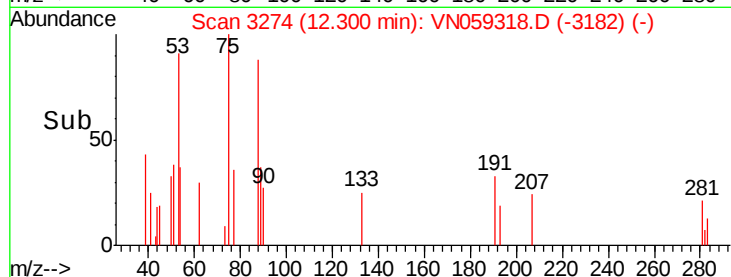
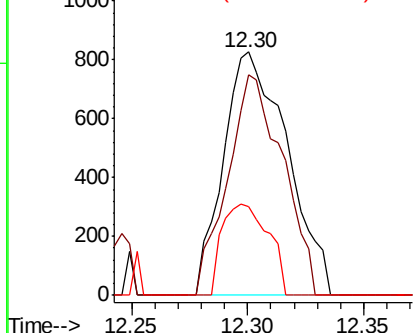
#81
trans-1,4-Dichloro-2-butene
Concen: 0.879 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. -0.00 min
Lab File: VN059318.D
Acq: 20 Nov 2019 11:25

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 75 Resp: 1577
Ion Ratio Lower Upper
75 100
53 78.4 70.7 106.1
89 27.3 35.4 53.0#

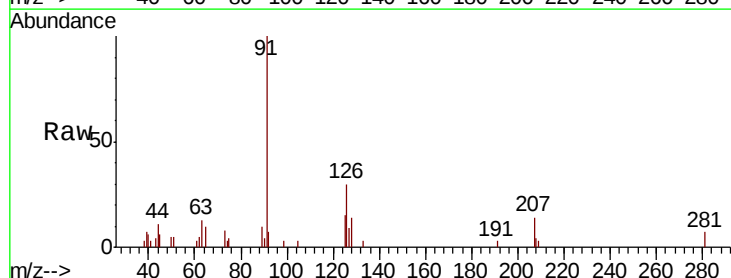


Abundance Ion 74.90 (74.60 to 75.60): VNO
Ion 53.00 (52.70 to 53.70): VNO
Ion 88.90 (88.60 to 89.60): VNO

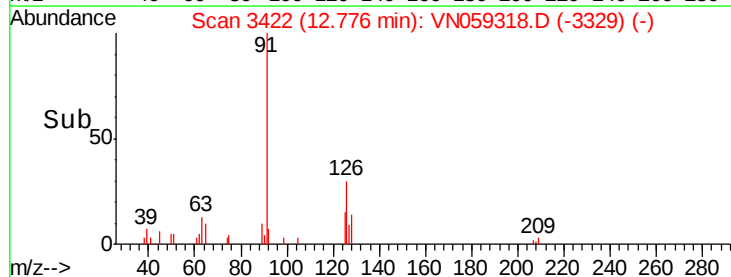
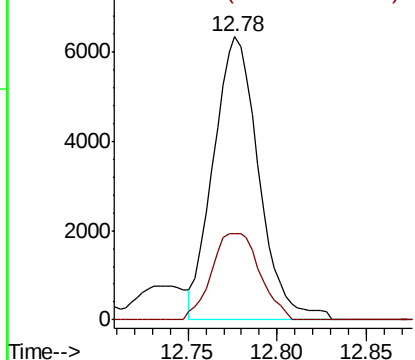


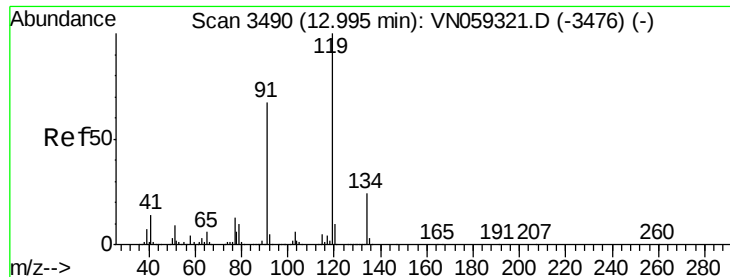
#82
4-Chlorotoluene
Concen: 0.976 ug/l
RT: 12.78 min Scan# 3422
Delta R.T. 0.00 min
Lab File: VN059318.D
Acq: 20 Nov 2019 11:25

Tgt Ion: 91 Resp: 11180
Ion Ratio Lower Upper
91 100
126 32.5 16.2 48.6



Abundance Ion 91.00 (90.70 to 91.70): VNO
Ion 125.90 (125.60 to 126.60): V

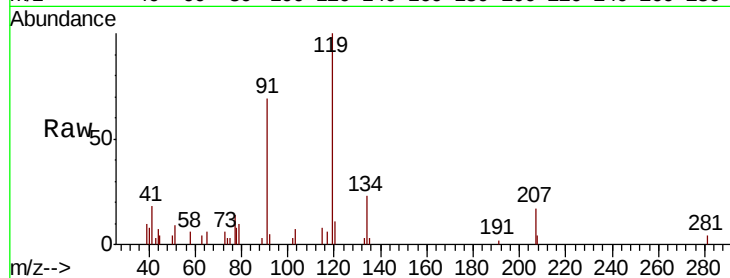




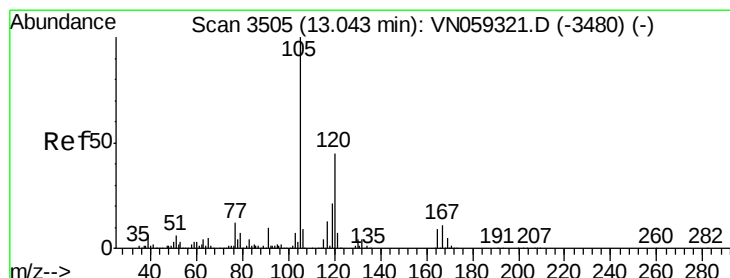
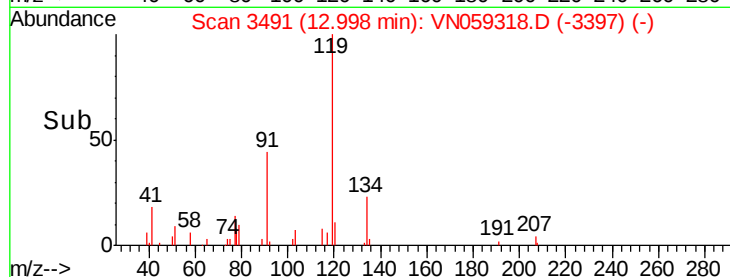
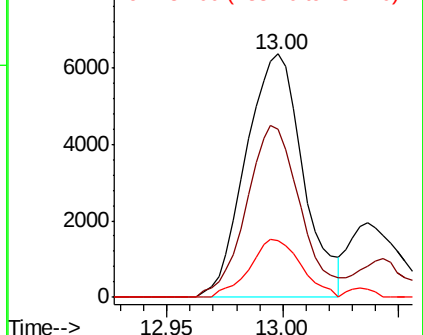
#83
tert-Butylbenzene
Concen: 0.966 ug/l
RT: 13.00 min Scan# 3491
Delta R.T. 0.00 min
Lab File: VN059318.D
Acq: 20 Nov 2019 11:25

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:119 Resp: 10918
Ion Ratio Lower Upper
119 100
91 67.1 32.8 98.4
134 21.4 13.0 38.9

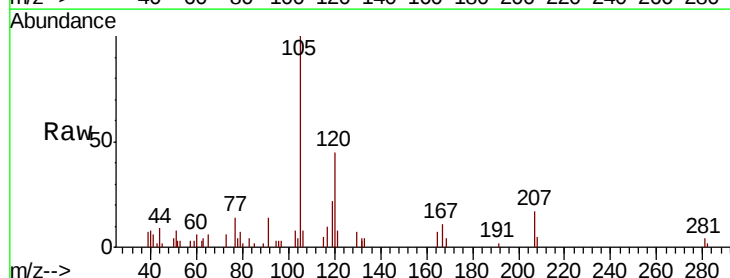


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

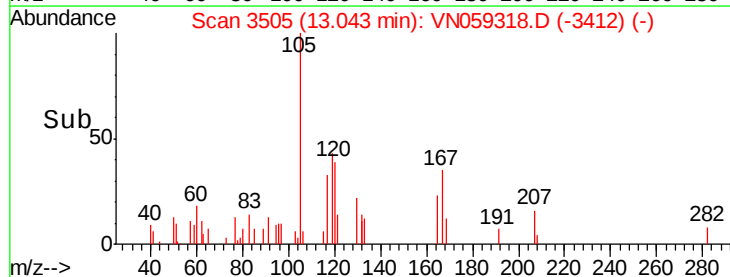
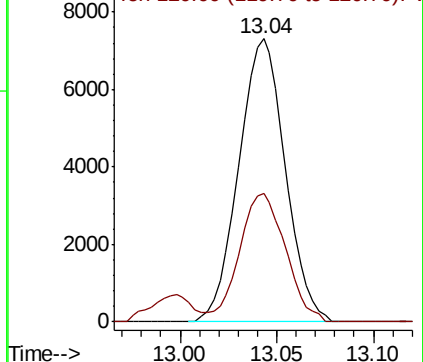


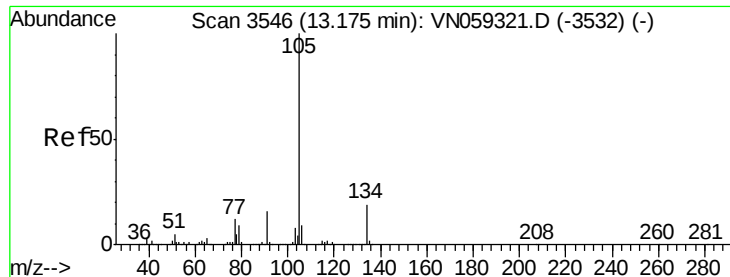
#84
1,2,4-Trimethylbenzene
Concen: 0.934 ug/l
RT: 13.04 min Scan# 3505
Delta R.T. 0.00 min
Lab File: VN059318.D
Acq: 20 Nov 2019 11:25

Tgt Ion:105 Resp: 12237
Ion Ratio Lower Upper
105 100
120 44.8 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: 0.942 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. 0.00 min

Lab File: VN059318.D

Acq: 20 Nov 2019 11:25

Instrument :

MSVOA_N

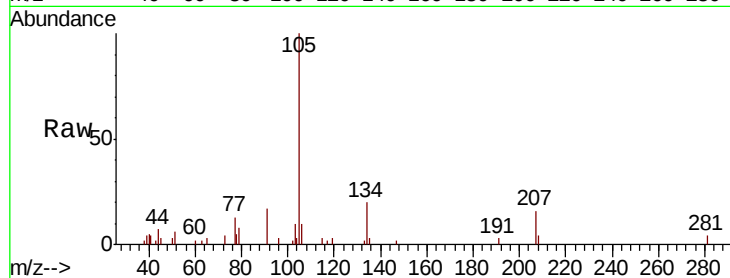
ClientSampleId :

Tot Ion:105 Resp: 14315

Ion Ratio Lower Upper

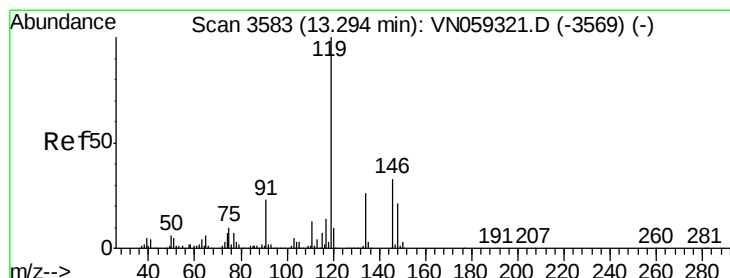
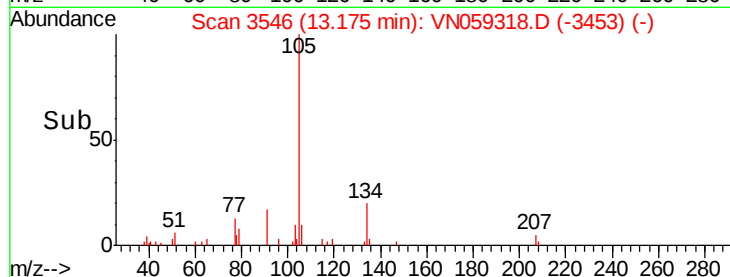
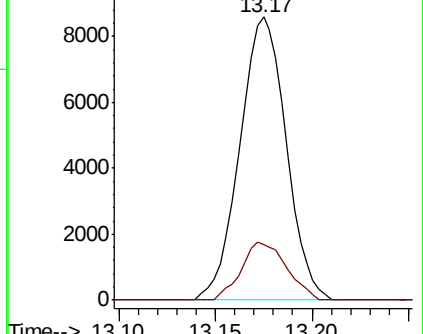
105 100

134 19.9 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: 0.963 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. -0.00 min

Lab File: VN059318.D

Acq: 20 Nov 2019 11:25

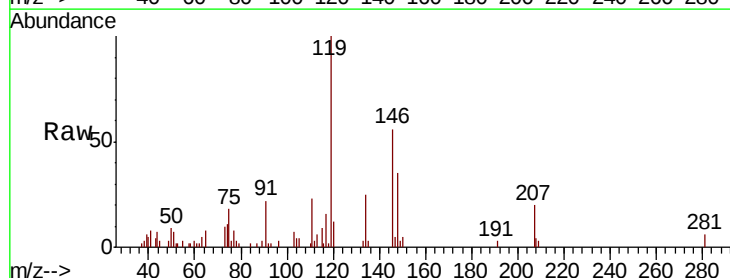
Tgt Ion:119 Resp: 13013

Ion Ratio Lower Upper

119 100

134 25.0 13.0 38.9

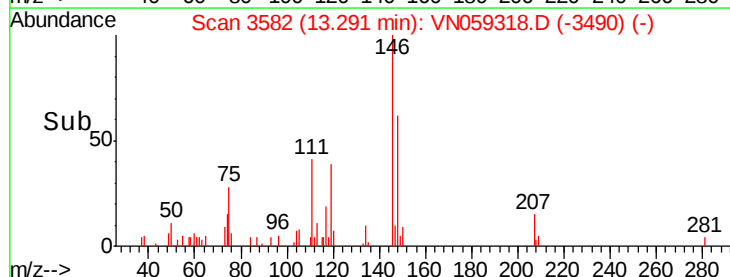
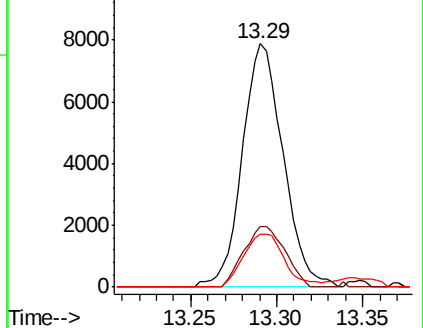
91 22.0 11.6 34.7

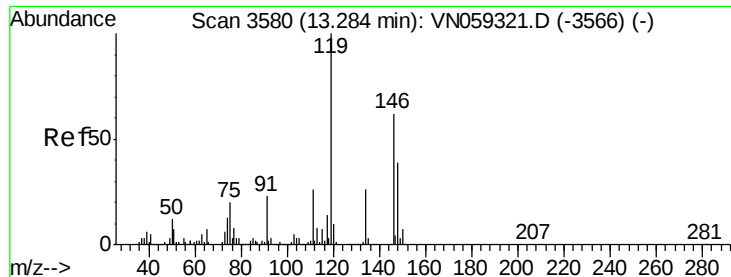


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

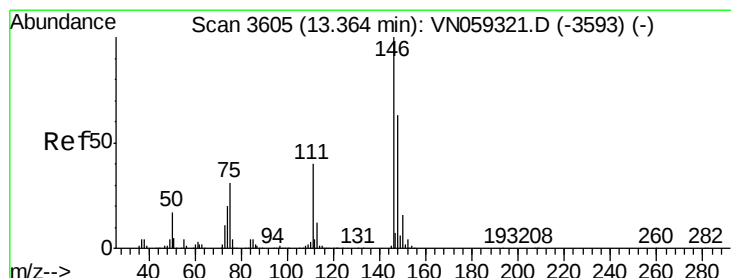
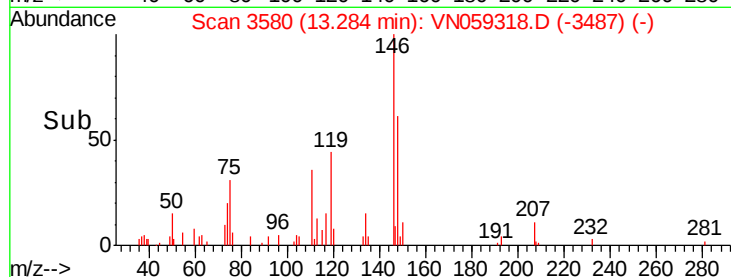
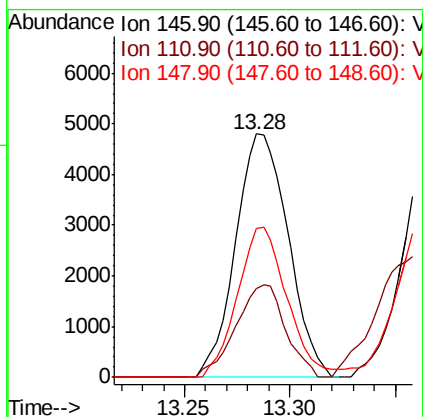
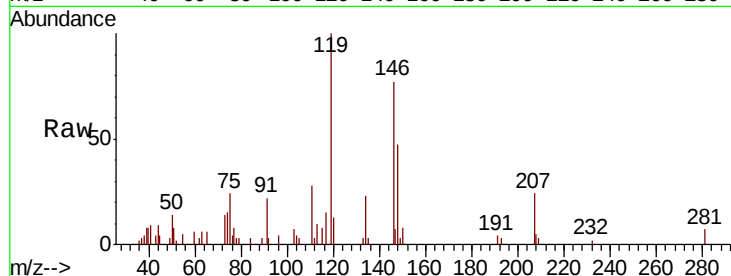




#87
 1,3-Dichlorobenzene
 Concen: 1.211 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN059318.D
 Acq: 20 Nov 2019 11:25

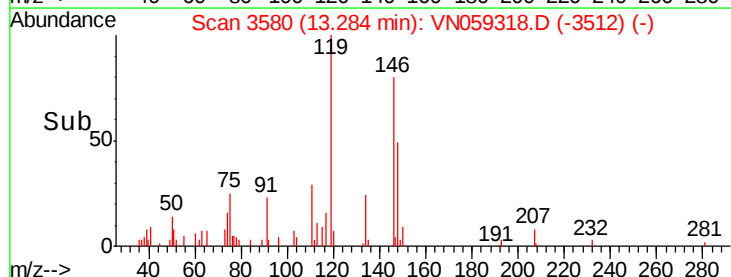
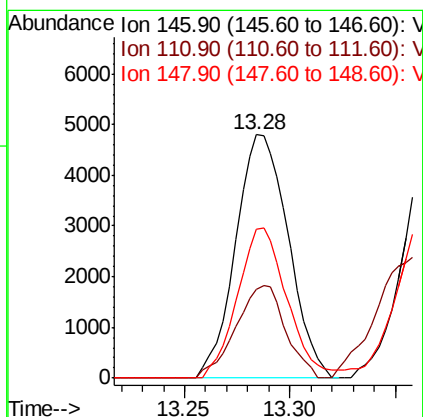
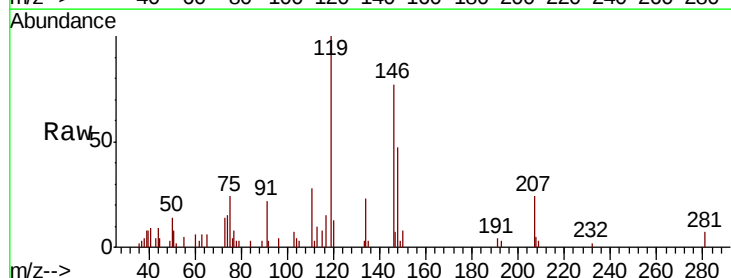
Instrument :
 MSVOA_N
 ClientSampleId :

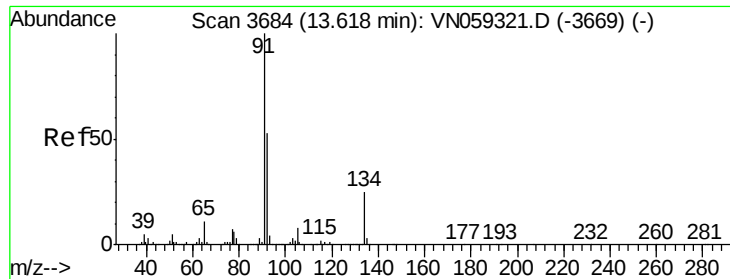
Tot Ion:146 Resp: 8324
 Ion Ratio Lower Upper
 146 100
 111 35.9 20.6 61.8
 148 58.5 31.9 95.5



#88
 1,4-Dichlorobenzene
 Concen: 1.224 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. -0.08 min
 Lab File: VN059318.D
 Acq: 20 Nov 2019 11:25

Tgt Ion:146 Resp: 8324
 Ion Ratio Lower Upper
 146 100
 111 35.9 20.1 60.3
 148 58.5 31.7 95.1





#89

n-Butylbenzene

Concen: 1.068 ug/l

RT: 13.62 min Scan# 3684

Delta R.T. 0.00 min

Lab File: VN059318.D

Acq: 20 Nov 2019 11:25

Instrument :

MSVOA_N

ClientSampled :

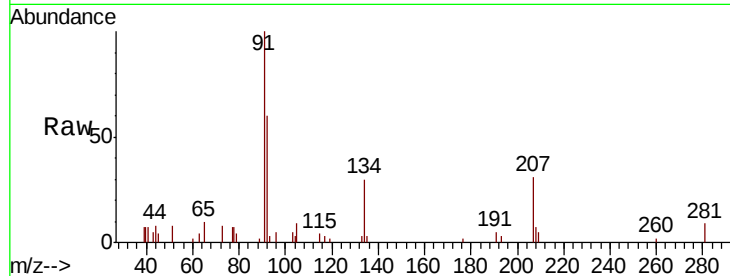
Tot Ion: 91 Resp: 12664

Ion Ratio Lower Upper

91 100

92 53.6 26.0 78.0

134 27.3 12.7 38.1

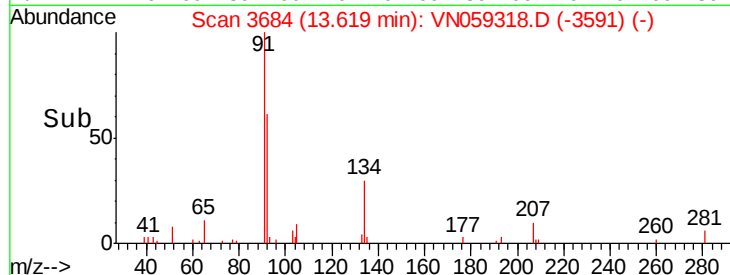


Abundance Ion 91.00 (90.70 to 91.70): VN059318.D (-3669) (-)

Ion 92.00 (91.70 to 92.70): VN059318.D (-3669) (-)

Ion 134.00 (133.70 to 134.70): VN059318.D (-3669) (-)

Time-->

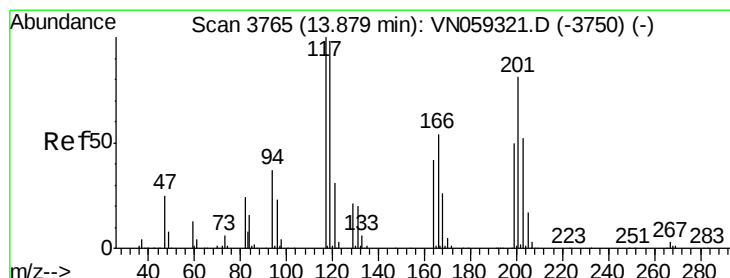


Abundance Ion 91.00 (90.70 to 91.70): VN059318.D (-3591) (-)

Ion 92.00 (91.70 to 92.70): VN059318.D (-3591) (-)

Ion 134.00 (133.70 to 134.70): VN059318.D (-3591) (-)

Time-->



#90

Hexachloroethane

Concen: 1.030 ug/l

RT: 13.88 min Scan# 3765

Delta R.T. 0.00 min

Lab File: VN059318.D

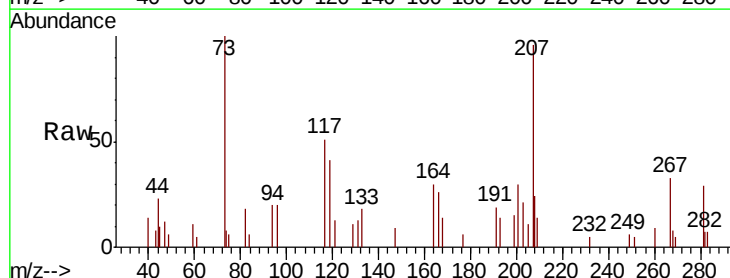
Acq: 20 Nov 2019 11:25

Tgt Ion: 117 Resp: 2636

Ion Ratio Lower Upper

117 100

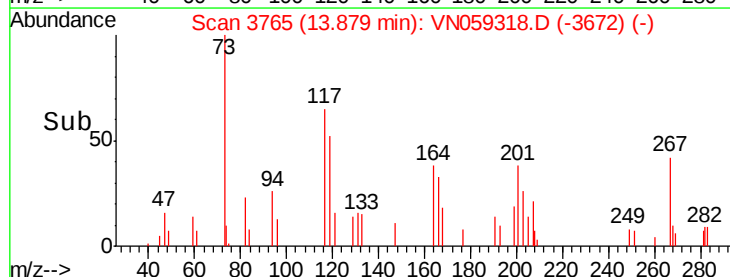
201 60.4 40.4 121.2



Abundance Ion 116.80 (116.50 to 117.50): VN059318.D (-3750) (-)

Ion 200.70 (200.40 to 201.40): VN059318.D (-3750) (-)

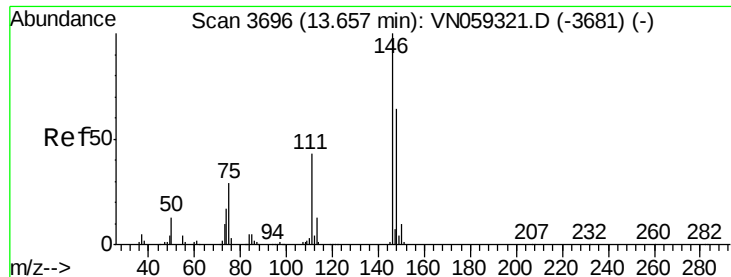
Time-->



Abundance Ion 116.80 (116.50 to 117.50): VN059318.D (-3672) (-)

Ion 200.70 (200.40 to 201.40): VN059318.D (-3672) (-)

Time-->



#91

1,2-Dichlorobenzene

Concen: 1.213 ug/l

RT: 13.66 min Scan# 3696

Delta R.T. 0.00 min

Lab File: VN059318.D

Acq: 20 Nov 2019 11:25

Instrument :

MSVOA_N

ClientSampleId :

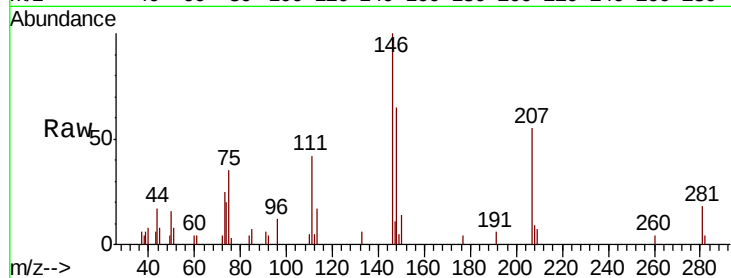
Tot Ion:146 Resp: 8069

Ion Ratio Lower Upper

146 100

111 38.6 21.3 64.0

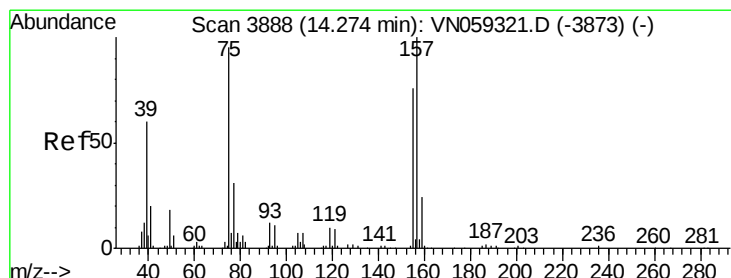
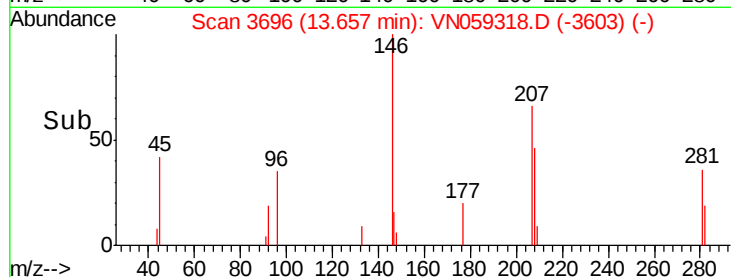
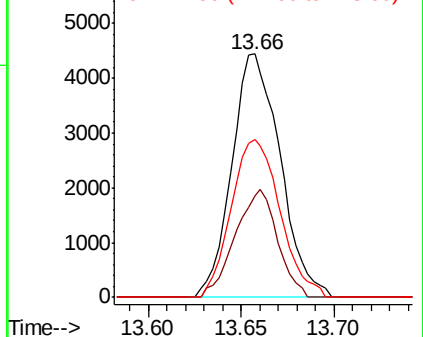
148 65.3 31.9 95.5



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: 1.859 ug/l

RT: 14.27 min Scan# 3887

Delta R.T. -0.00 min

Lab File: VN059318.D

Acq: 20 Nov 2019 11:25

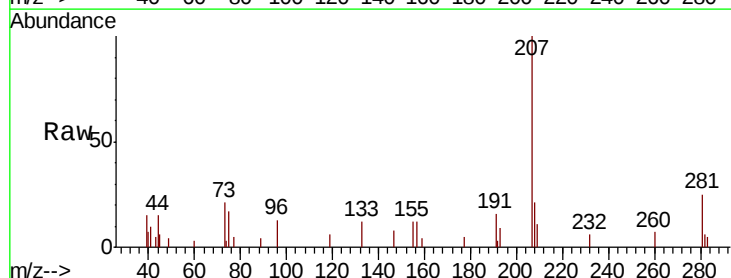
Tgt Ion: 75 Resp: 2081

Ion Ratio Lower Upper

75 100

155 46.4 40.5 121.5

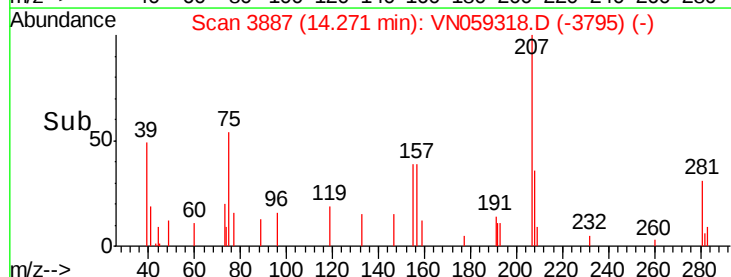
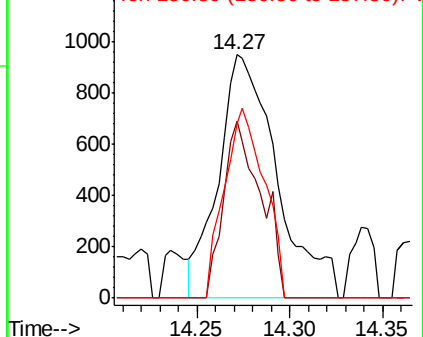
157 53.2 52.7 158.1

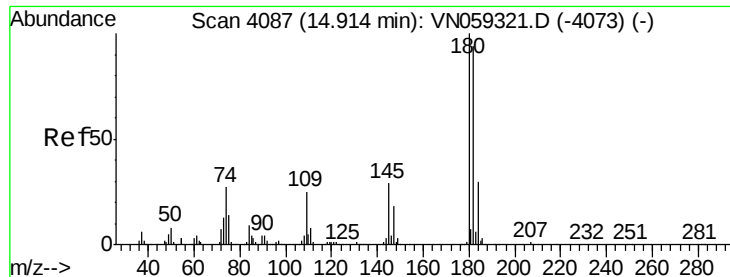


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

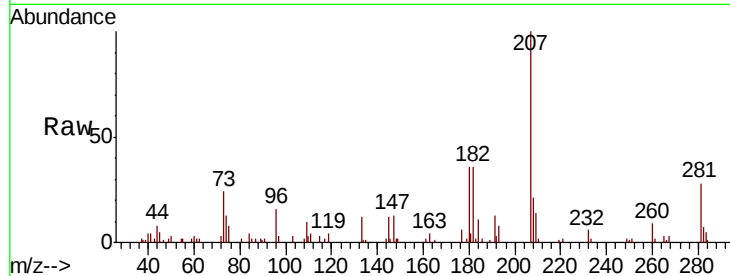




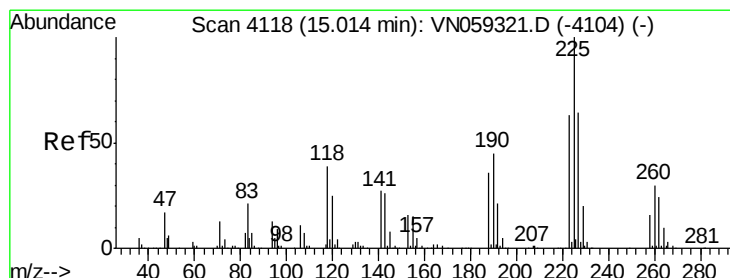
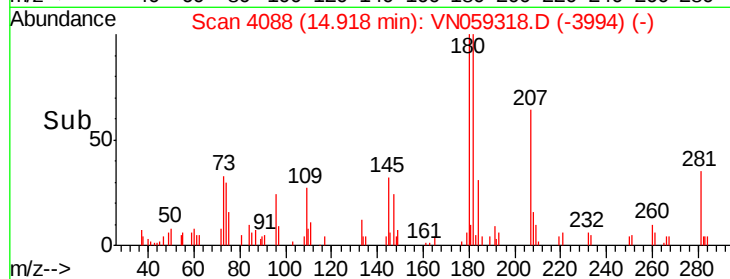
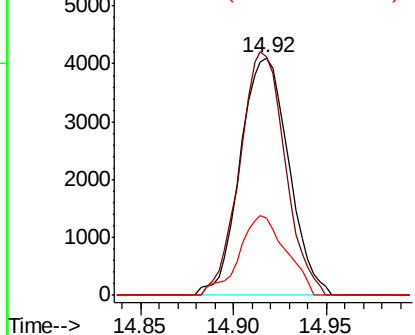
#93
 1,2,4-Trichlorobenzene
 Concen: 4.634 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN059318.D
 Acq: 20 Nov 2019 11:25

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion:180 Resp: 7455
 Ion Ratio Lower Upper
 180 100
 182 95.8 47.2 141.6
 145 32.4 14.9 44.5

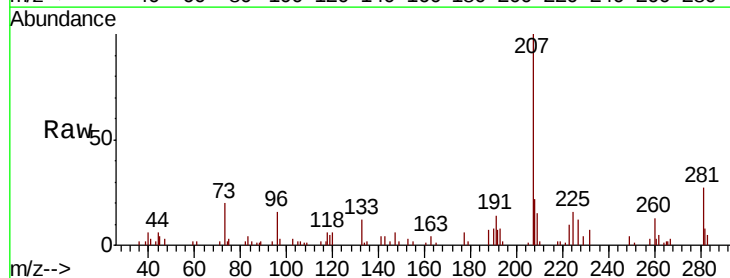


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

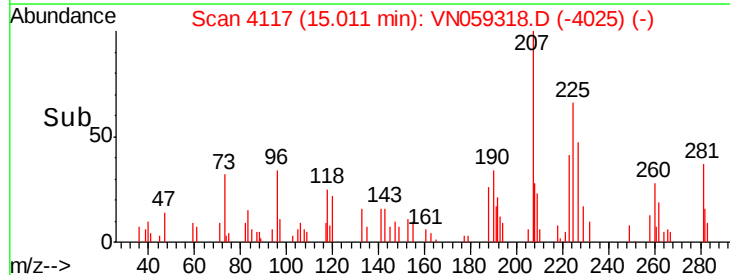
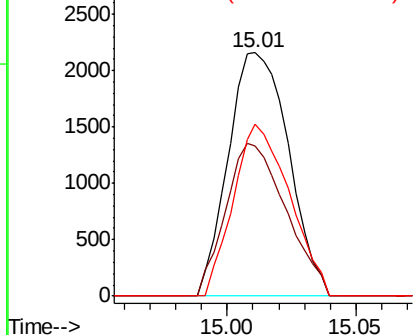


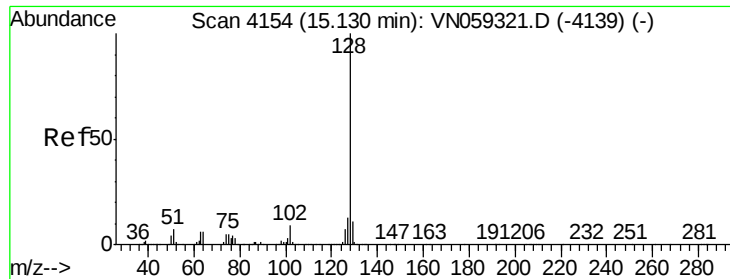
#94
 Hexachlorobutadiene
 Concen: 1.472 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN059318.D
 Acq: 20 Nov 2019 11:25

Tgt Ion:225 Resp: 3528
 Ion Ratio Lower Upper
 225 100
 223 62.5 31.6 94.8
 227 66.0 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: 5.858 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN059318.D

Acq: 20 Nov 2019 11:25

Instrument :

MSVOA_N

ClientSampled :

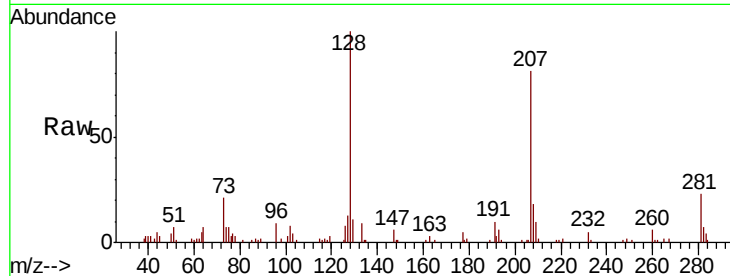
Tot Ion:128 Resp: 32892

Ion Ratio Lower Upper

128 100

127 12.2 10.2 15.2

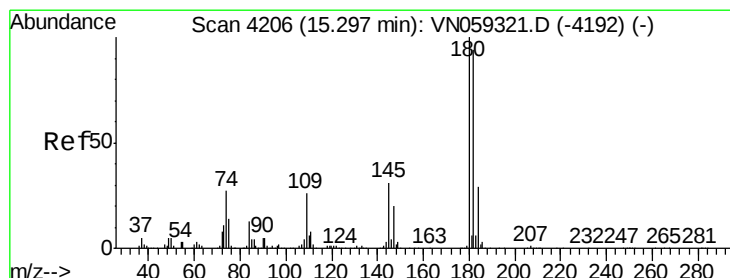
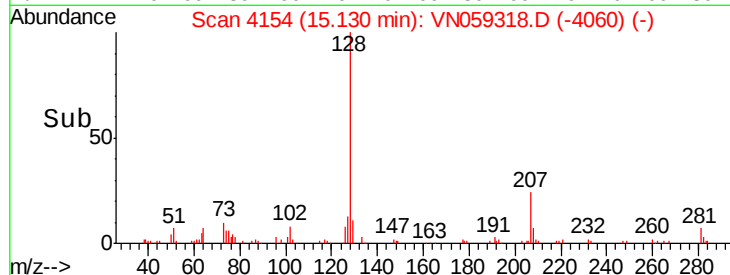
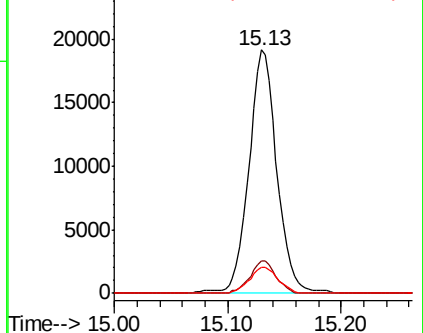
129 10.9 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 4.281 ug/l

RT: 15.30 min Scan# 4207

Delta R.T. 0.00 min

Lab File: VN059318.D

Acq: 20 Nov 2019 11:25

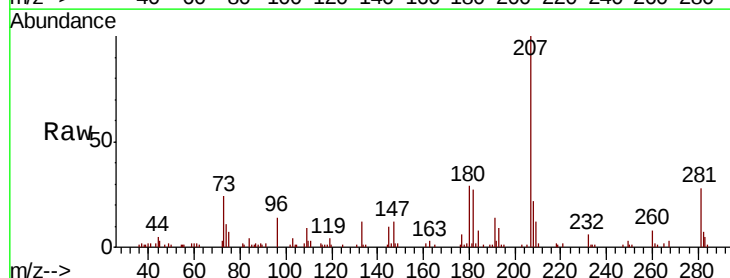
Tgt Ion:180 Resp: 10043

Ion Ratio Lower Upper

180 100

182 90.2 47.1 141.4

145 33.9 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

