

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN112119\
 Data File : VN059337.D
 Acq On : 21 Nov 2019 15:50
 Operator : JC/SP
 Sample : VN1121MBS03
 Misc : 5.00µg/10mL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 22 06:02:31 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112019W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 21 08:44:45 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	416832	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	655568	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	580617	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	260807	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	199785	39.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	79.90%	
35) Dibromofluoromethane	7.57	113	159774	40.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	81.24%	
50) Toluene-d8	10.08	98	642366	41.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	82.16%	
62) 4-Bromofluorobenzene	12.40	95	223118	40.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	81.62%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	85835	16.085	ug/l	99
3) Chloromethane	2.04	50	103378	15.813	ug/l	100
4) Vinyl Chloride	2.17	62	111069	16.502	ug/l	100
5) Bromomethane	2.55	94	60943	16.309	ug/l	97
6) Chloroethane	2.69	64	55227	15.034	ug/l	98
7) Trichlorofluoromethane	3.00	101	111302	15.356	ug/l	98
8) Diethyl Ether	3.39	74	48095	16.231	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.74	101	71509	16.135	ug/l	99
10) Methyl Iodide	3.93	142	87650	15.913	ug/l	99
11) Tert butyl alcohol	4.75	59	78110	78.006	ug/l	100
12) 1,1-Dichloroethene	3.72	96	70735	15.723	ug/l	94
13) Acrolein	3.58	56	46102	50.437	ug/l	99
14) Allyl chloride	4.30	41	134421	15.994	ug/l	99
15) Acrylonitrile	4.96	53	213048	80.471	ug/l	99
16) Acetone	3.79	43	192524	85.853	ug/l	99
17) Carbon Disulfide	4.03	76	221128	15.780	ug/l	99
18) Methyl Acetate	4.30	43	121437	16.317	ug/l	100
19) Methyl tert-butyl Ether	5.01	73	237376	16.336	ug/l	97
20) Methylene Chloride	4.53	84	81343	16.083	ug/l	98
21) trans-1,2-Dichloroethene	5.02	96	74661	15.659	ug/l	97
22) Diisopropyl ether	5.92	45	253487	16.020	ug/l	98
23) Vinyl Acetate	5.87	43	1000895	80.436	ug/l	100
24) 1,1-Dichloroethane	5.82	63	144387	16.211	ug/l	99
25) 2-Butanone	6.81	43	284295	81.529	ug/l	99
26) 2,2-Dichloropropane	6.80	77	122741	15.915	ug/l	99
27) cis-1,2-Dichloroethene	6.81	96	85476	15.889	ug/l	98
28) Bromochloromethane	7.17	49	38631	12.498	ug/l	99
29) Tetrahydrofuran	7.19	42	190733	79.104	ug/l	99
30) Chloroform	7.35	83	137927	15.864	ug/l	97
31) Cyclohexane	7.63	56	139415	15.831	ug/l	97
32) 1,1,1-Trichloroethane	7.55	97	116308	15.662	ug/l	99
36) 1,1-Dichloropropene	7.78	75	106762	15.775	ug/l	100
37) Ethyl Acetate	6.91	43	118552	16.299	ug/l	99
38) Carbon Tetrachloride	7.75	117	102683	15.849	ug/l	96

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

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	130195	15.953	ug/l	99
40) Benzene	8.02	78	317711	15.995	ug/l	98
41) Methacrylonitrile	7.18	41	165095	51.131	ug/l #	100
42) 1,2-Dichloroethane	8.11	62	105896	16.120	ug/l	100
43) Isopropyl Acetate	8.15	43	175858	15.820	ug/l	99
44) Trichloroethene	8.82	130	80527	15.996	ug/l	97
45) 1,2-Dichloropropane	9.11	63	85309	16.106	ug/l	96
46) Dibromomethane	9.20	93	51799	15.944	ug/l	100
47) Bromodichloromethane	9.39	83	102277	15.719	ug/l	99
48) Methyl methacrylate	9.19	41	78306	15.491	ug/l	98
49) 1,4-Dioxane	9.19	88	23970	315.513	ug/l	100
51) 4-Methyl-2-Pentanone	9.98	43	549214	84.411	ug/l	100
52) Toluene	10.15	92	192929	16.153	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	119706	15.826	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	132494	16.143	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	74544	16.052	ug/l	99
56) Ethyl methacrylate	10.42	69	112195	15.871	ug/l	99
57) 1,3-Dichloropropane	10.70	76	130831	16.165	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	226918	94.425	ug/l	99
59) 2-Hexanone	10.75	43	396717	83.269	ug/l	100
60) Dibromochloromethane	10.90	129	76193	15.570	ug/l	99
61) 1,2-Dibromoethane	11.00	107	76639	15.861	ug/l	99
64) Tetrachloroethene	10.63	164	70720	15.749	ug/l	98
65) Chlorobenzene	11.43	112	198711	15.917	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	71404	15.744	ug/l	100
67) Ethyl Benzene	11.51	91	357101	16.020	ug/l	100
68) m/p-Xylenes	11.62	106	268788	32.451	ug/l	100
69) o-Xylene	11.95	106	127433	16.070	ug/l	100
70) Styrene	11.96	104	197477	15.783	ug/l	99
71) Bromoform	12.13	173	54180	15.774	ug/l #	100
73) Isopropylbenzene	12.25	105	346084	16.199	ug/l	99
74) N-amyl acetate	12.07	43	136255	15.869	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	112835	15.965	ug/l	97
76) 1,2,3-Trichloropropane	12.55	75	148460	24.639	ug/l #	100
77) Bromobenzene	12.53	156	82361	15.893	ug/l	99
78) n-propylbenzene	12.59	91	391830	16.191	ug/l	100
79) 2-Chlorotoluene	12.68	91	232584	15.657	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	288474	16.062	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	35846	14.880	ug/l	92
82) 4-Chlorotoluene	12.78	91	236836	15.407	ug/l	99
83) tert-Butylbenzene	12.99	119	250808	16.535	ug/l	97
84) 1,2,4-Trimethylbenzene	13.04	105	283760	16.129	ug/l	99
85) sec-Butylbenzene	13.17	105	332205	16.295	ug/l	99
86) p-Isopropyltoluene	13.29	119	295186	16.271	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	140580	15.233	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	139208	15.246	ug/l	99
89) n-Butylbenzene	13.62	91	255515	16.055	ug/l	99
90) Hexachloroethane	13.88	117	52844	15.381	ug/l	98
91) 1,2-Dichlorobenzene	13.66	146	139896	15.668	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	22457	14.946	ug/l	97

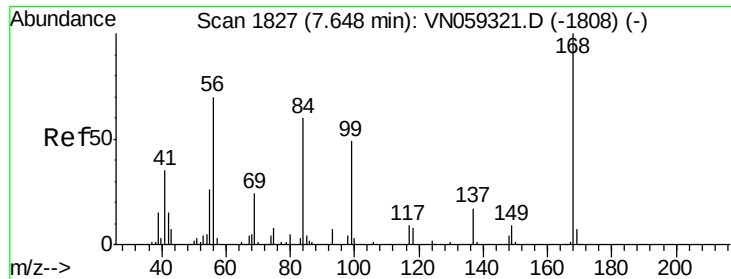
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112019W.M
Quant Title : SW846 8260
QLast Update : Thu Nov 21 08:44:45 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	76162	15.847	ug/l	98
94) Hexachlorobutadiene	15.01	225	49784	15.476	ug/l	99
95) Naphthalene	15.13	128	203145	15.542	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	77581	15.594	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. 0.00 min

Lab File: VN059337.D

Acq: 21 Nov 2019 15:50

Instrument :

MSVOA_N

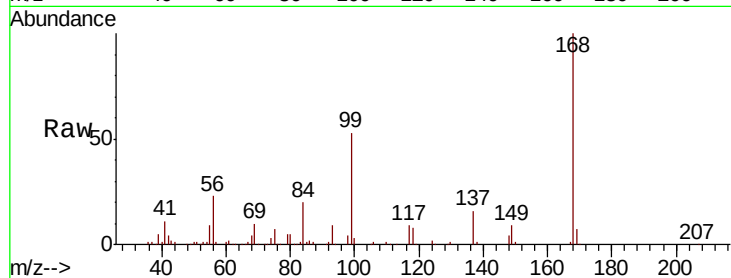
ClientSampled :

Tot Ion:168 Resp: 416832

Ion Ratio Lower Upper

168 100

99 53.1 44.6 66.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.65

200000

150000

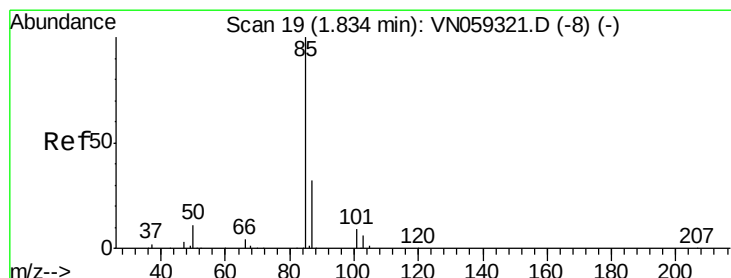
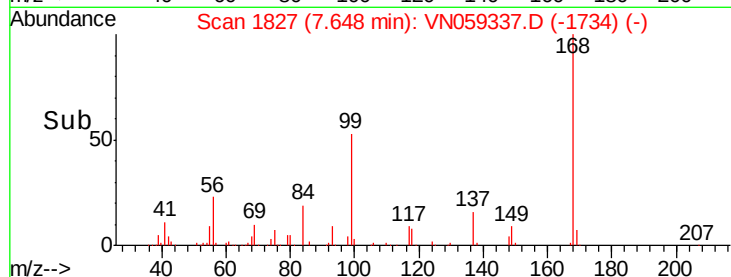
100000

50000

0

7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 16.085 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN059337.D

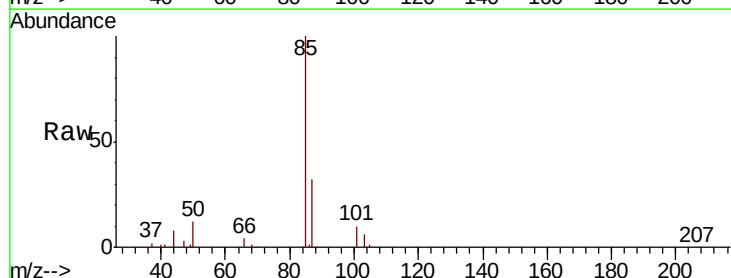
Acq: 21 Nov 2019 15:50

Tgt Ion: 85 Resp: 85835

Ion Ratio Lower Upper

85 100

87 32.4 16.0 48.0



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

60000

50000

40000

30000

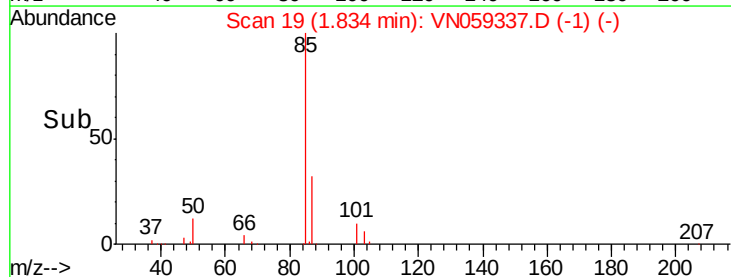
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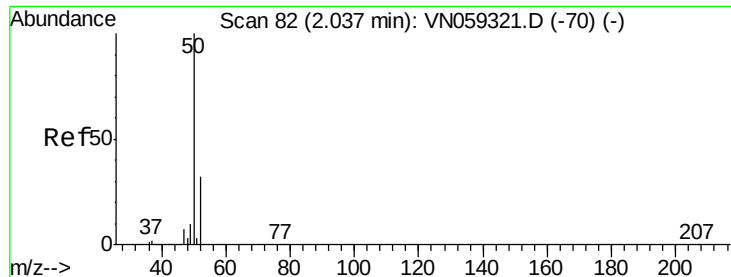
10000

0

1.75 1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 15.813 ug/l

RT: 2.04 min Scan# 83

Delta R.T. 0.00 min

Lab File: VN059337.D

Acq: 21 Nov 2019 15:50

Instrument :

MSVOA_N

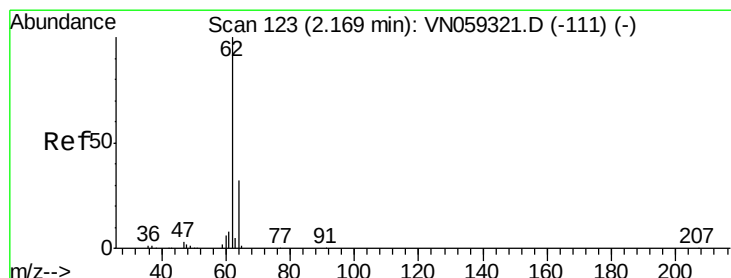
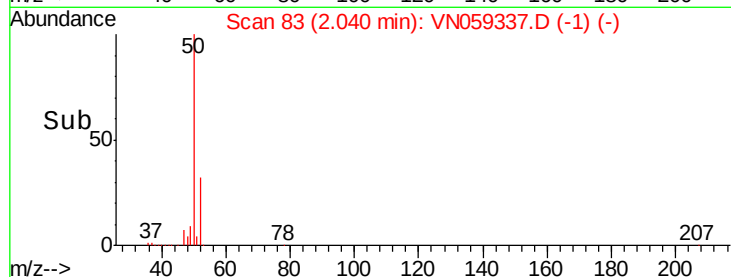
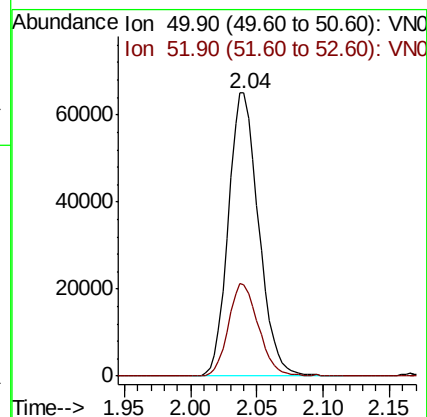
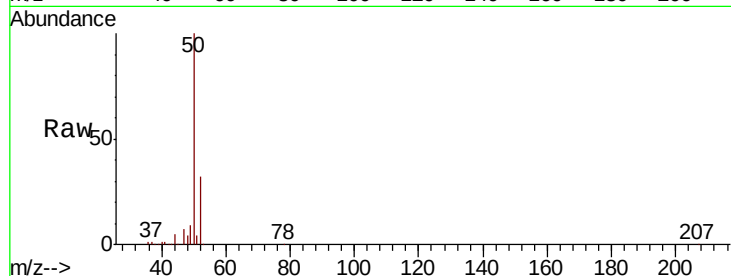
ClientSampleId :

Tot Ion: 50 Resp: 103378

Ion Ratio Lower Upper

50 100

52 32.4 26.0 39.0



#4

Vinyl Chloride

Concen: 16.502 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN059337.D

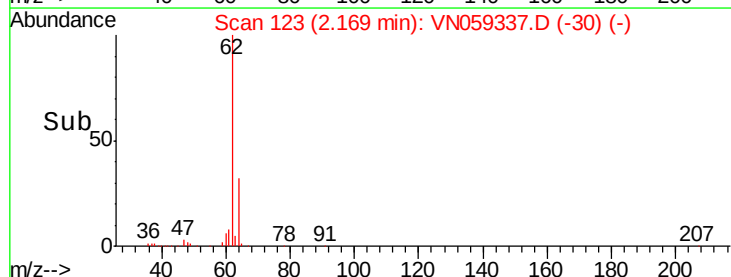
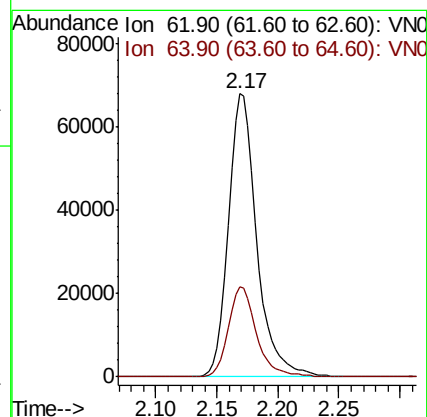
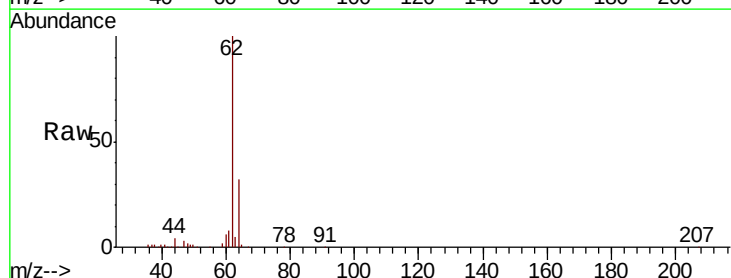
Acq: 21 Nov 2019 15:50

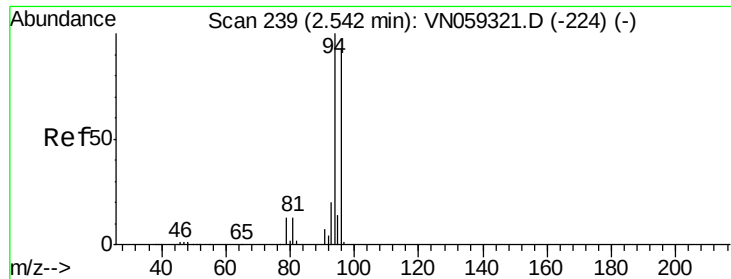
Tgt Ion: 62 Resp: 111069

Ion Ratio Lower Upper

62 100

64 31.7 25.4 38.0





#5

Bromomethane

Concen: 16.309 ug/l

RT: 2.55 min Scan# 241

Delta R.T. 0.01 min

Lab File: VN059337.D

Acq: 21 Nov 2019 15:50

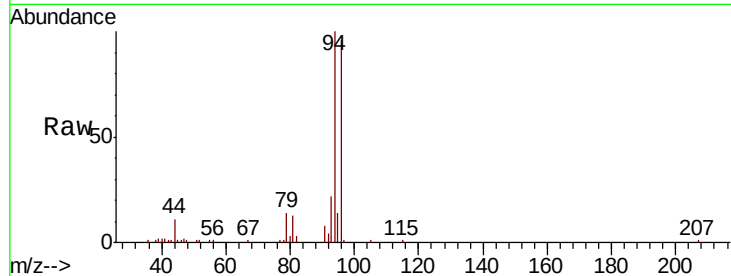
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 94 Resp: 60943

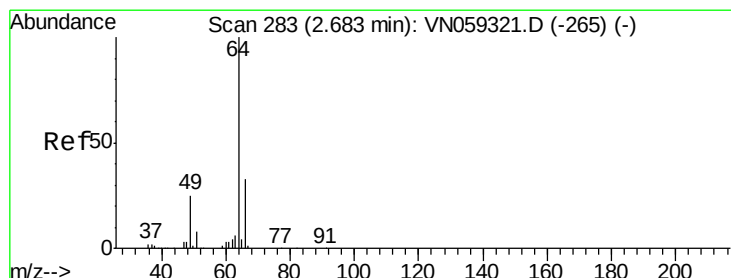
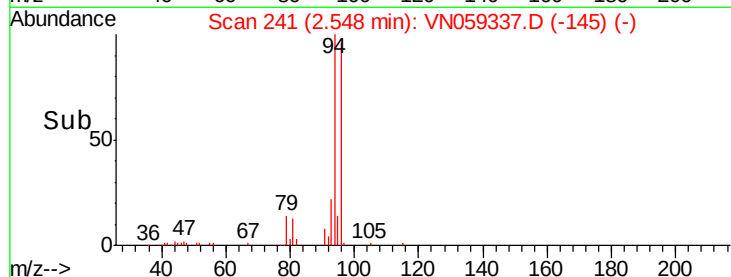
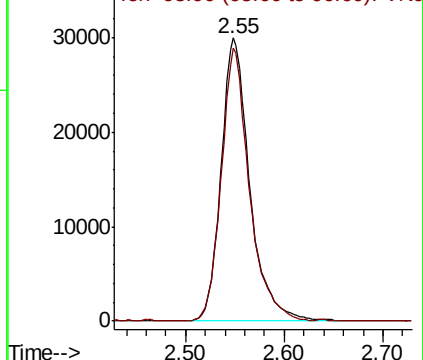
Ion Ratio Lower Upper

94 100

96 96.3 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: 15.034 ug/l

RT: 2.69 min Scan# 284

Delta R.T. 0.00 min

Lab File: VN059337.D

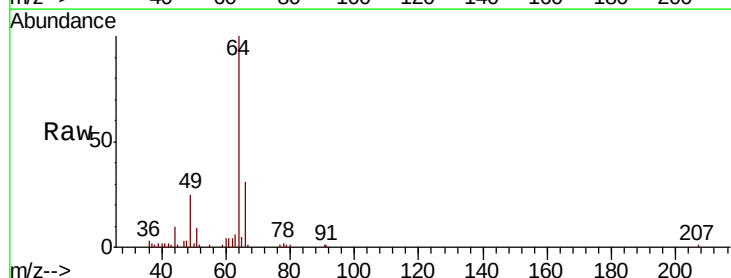
Acq: 21 Nov 2019 15:50

Tgt Ion: 64 Resp: 55227

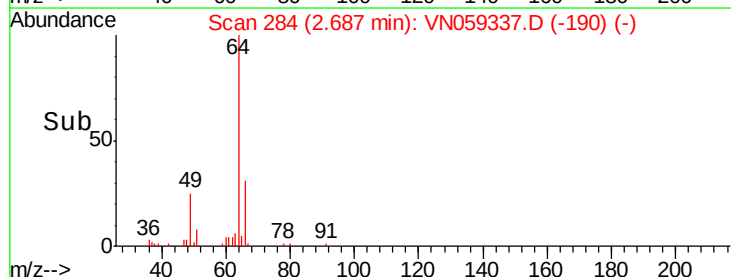
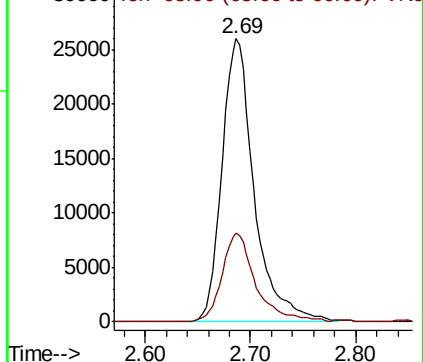
Ion Ratio Lower Upper

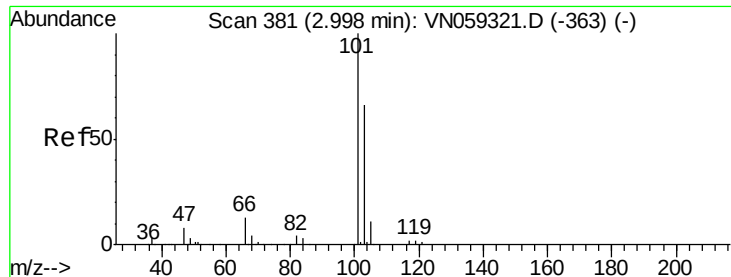
64 100

66 31.5 26.2 39.2



Abundance Ion 63.90 (63.60 to 64.60): VN0
Ion 65.90 (65.60 to 66.60): VN0



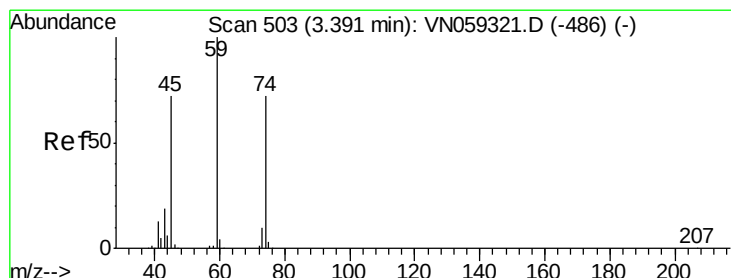
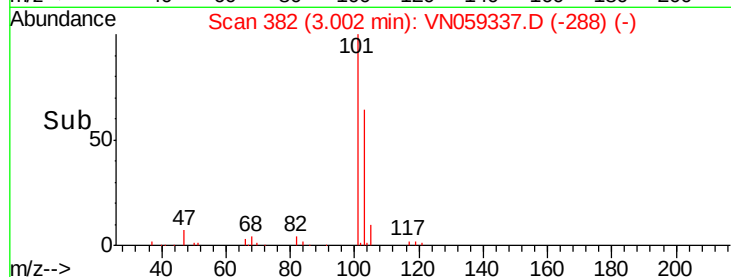
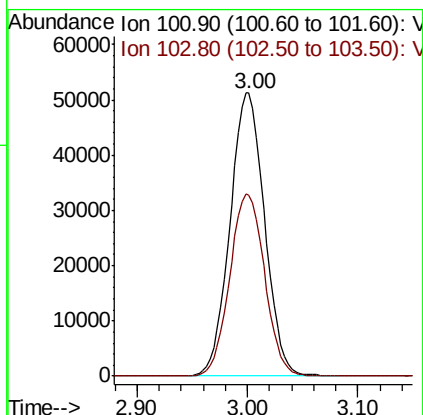
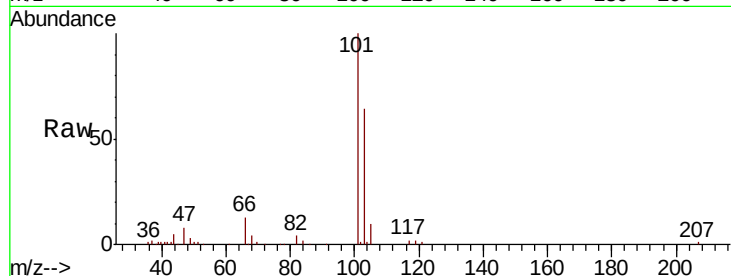


#7

Trichlorofluoromethane
 Concen: 15.356 ug/l
 RT: 3.00 min Scan# 382
 Delta R.T. 0.00 min
 Lab File: VN059337.D
 Acq: 21 Nov 2019 15:50

Instrument :
 MSVOA_N
 ClientSampled :

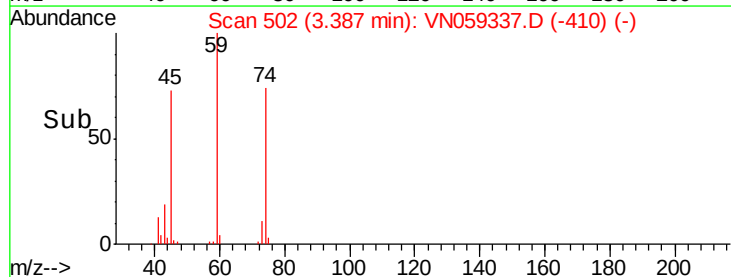
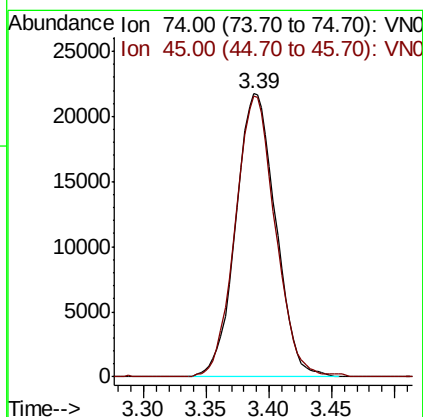
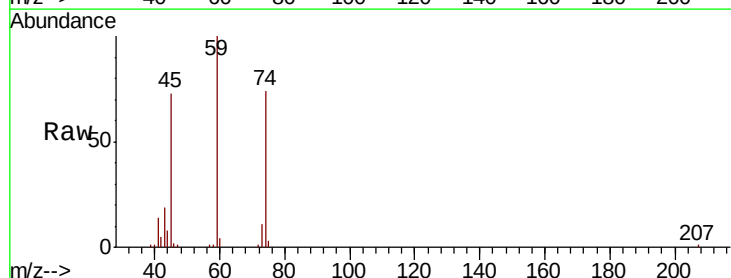
Tot Ion:101 Resp: 111302
 Ion Ratio Lower Upper
 101 100
 103 64.0 52.5 78.7

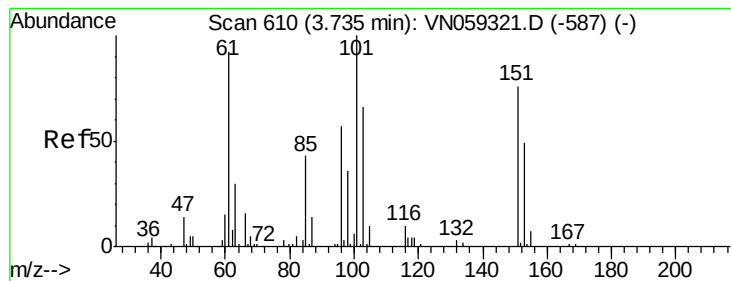


#8

Diethyl Ether
 Concen: 16.231 ug/l
 RT: 3.39 min Scan# 502
 Delta R.T. -0.00 min
 Lab File: VN059337.D
 Acq: 21 Nov 2019 15:50

Tgt Ion: 74 Resp: 48095
 Ion Ratio Lower Upper
 74 100
 45 99.3 51.7 155.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 16.135 ug/l

RT: 3.74 min Scan# 611

Delta R.T. 0.00 min

Lab File: VN059337.D

Acq: 21 Nov 2019 15:50

Instrument :

MSVOA_N

ClientSampleId :

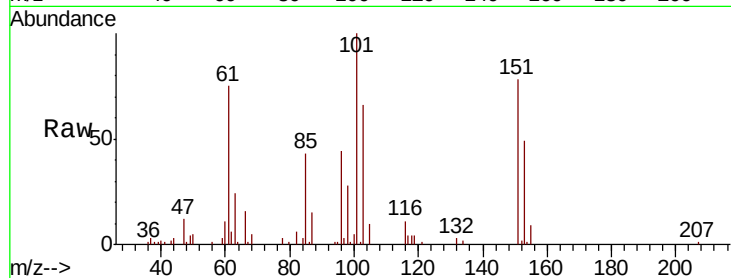
Tot Ion:101 Resp: 71509

Ion Ratio Lower Upper

101 100

85 42.3 34.8 52.2

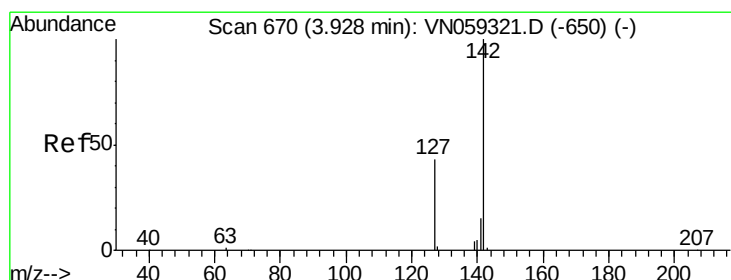
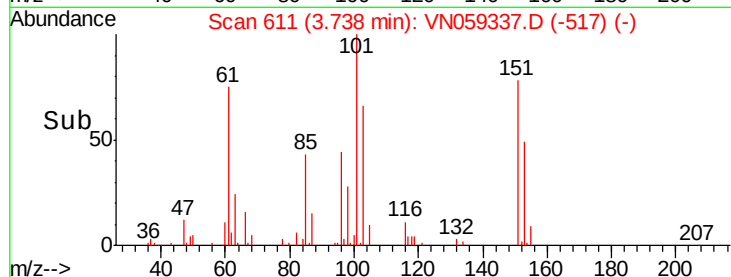
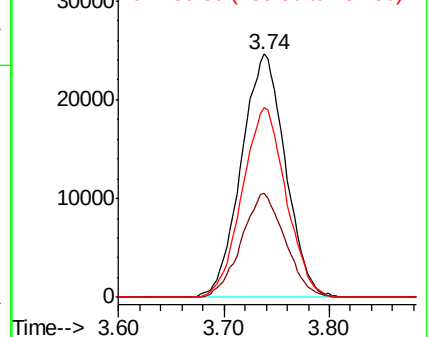
151 77.6 62.2 93.4



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 15.913 ug/l

RT: 3.93 min Scan# 671

Delta R.T. 0.00 min

Lab File: VN059337.D

Acq: 21 Nov 2019 15:50

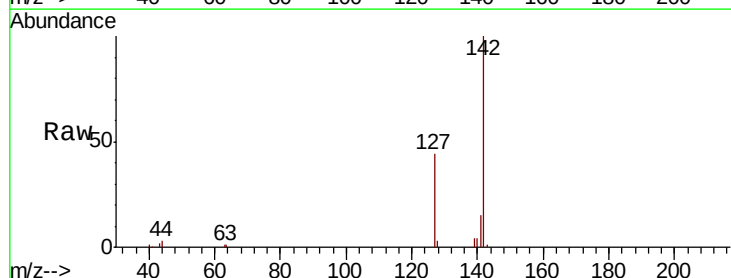
Tgt Ion:142 Resp: 87650

Ion Ratio Lower Upper

142 100

127 41.5 33.8 50.6

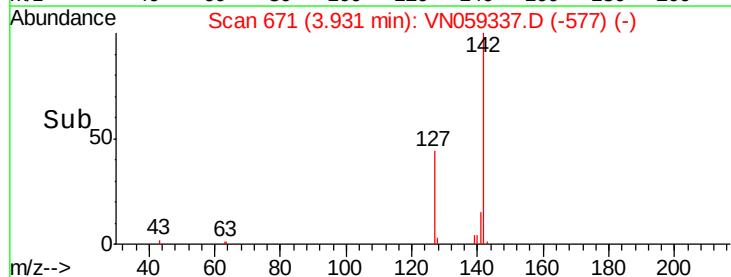
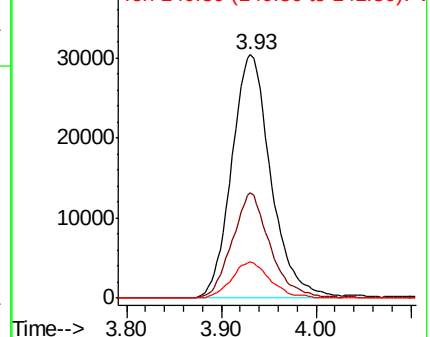
141 14.4 11.2 16.8

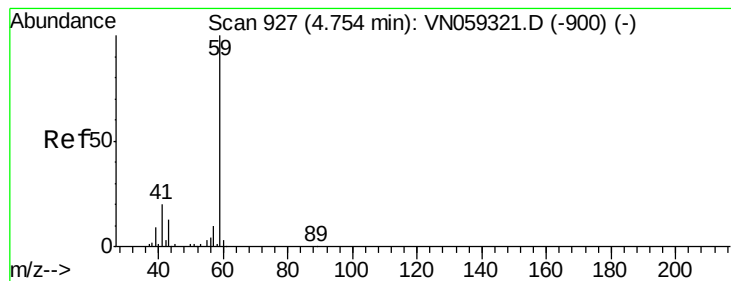


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



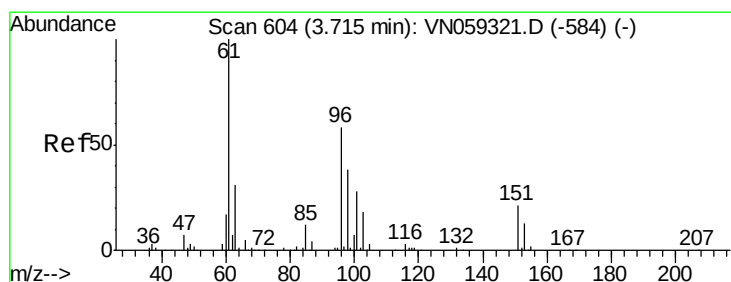
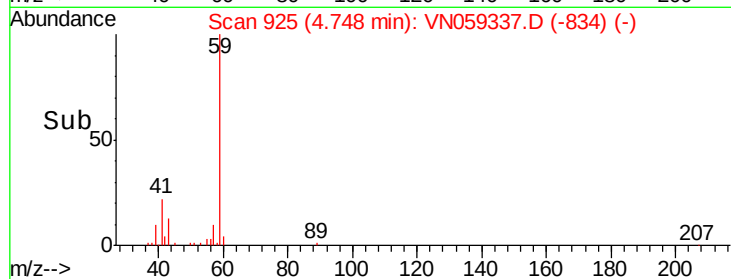
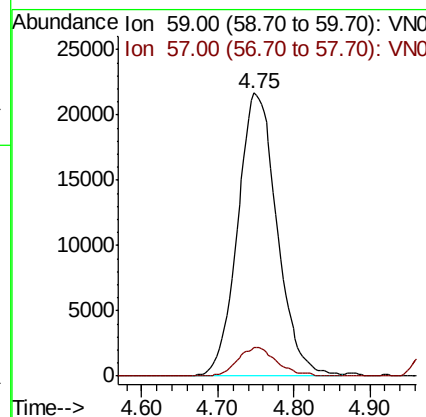
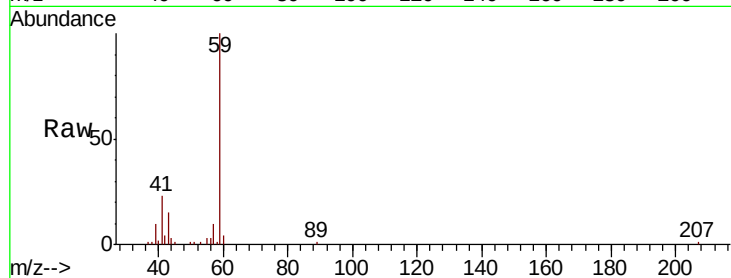


#11

Tert butyl alcohol
 Concen: 78.006 ug/l
 RT: 4.75 min Scan# 925
 Delta R.T. -0.01 min
 Lab File: VN059337.D
 Acq: 21 Nov 2019 15:50

Instrument :
 MSVOA_N
 ClientSampleId :

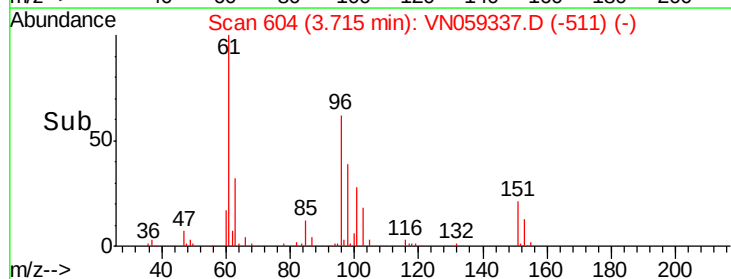
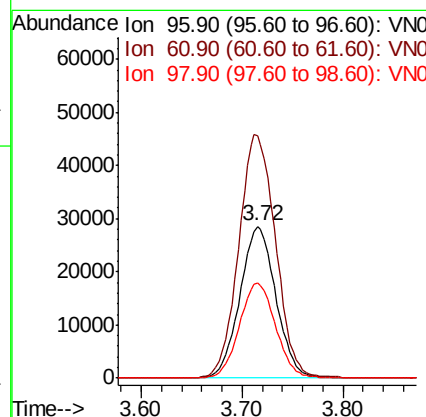
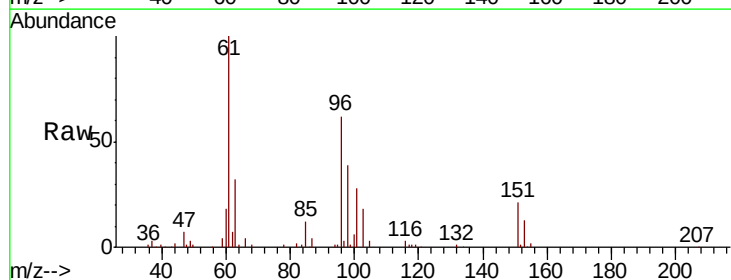
Tot Ion: 59 Resp: 78110
 Ion Ratio Lower Upper
 59 100
 57 10.0 8.2 12.2

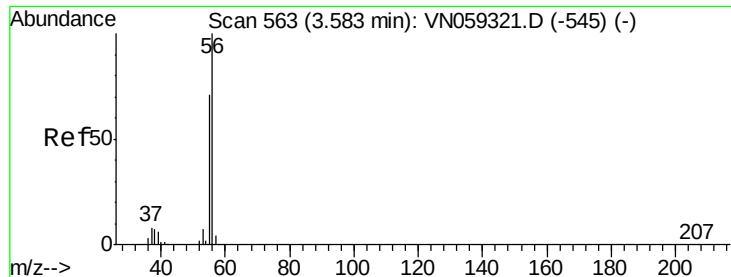


#12

1,1-Dichloroethene
 Concen: 15.723 ug/l
 RT: 3.72 min Scan# 604
 Delta R.T. 0.00 min
 Lab File: VN059337.D
 Acq: 21 Nov 2019 15:50

Tgt Ion: 96 Resp: 70735
 Ion Ratio Lower Upper
 96 100
 61 160.3 136.8 205.2
 98 63.2 51.6 77.4





#13

Acrolein

Concen: 50.437 ug/l

RT: 3.58 min Scan# 563

Delta R.T. 0.00 min

Lab File: VN059337.D

Acq: 21 Nov 2019 15:50

Instrument :

MSVOA_N

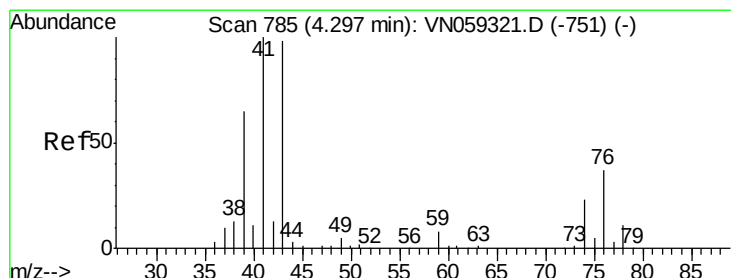
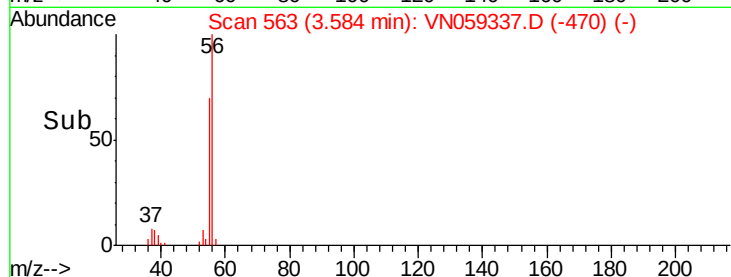
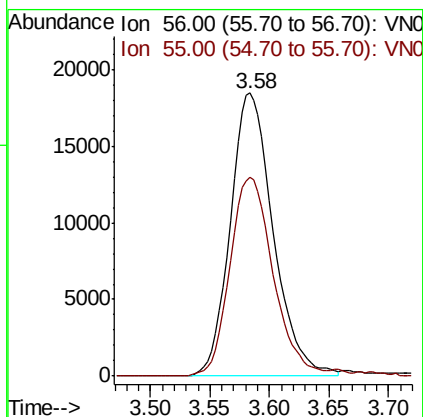
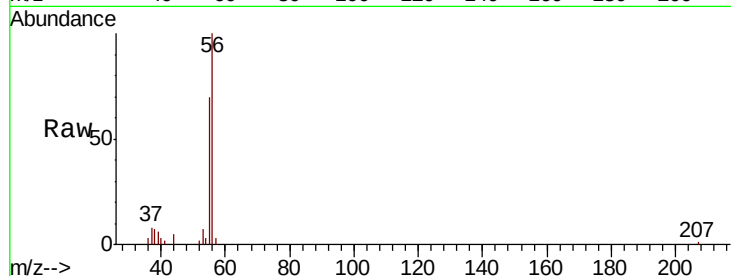
ClientSampleId :

Tot Ion: 56 Resp: 46102

Ion Ratio Lower Upper

56 100

55 70.6 57.4 86.0



#14

Allyl chloride

Concen: 15.994 ug/l

RT: 4.30 min Scan# 785

Delta R.T. 0.00 min

Lab File: VN059337.D

Acq: 21 Nov 2019 15:50

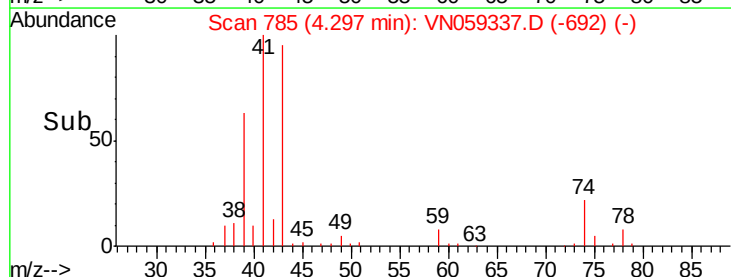
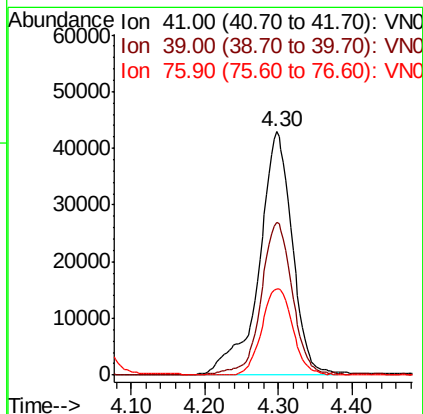
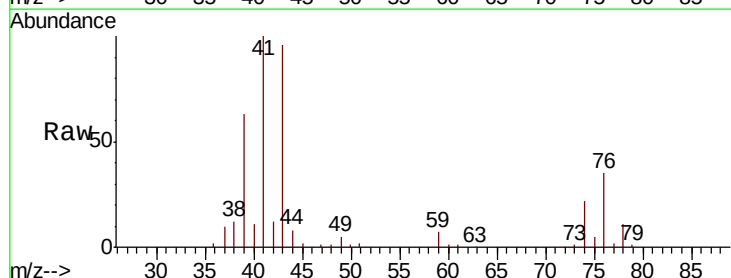
Tgt Ion: 41 Resp: 134421

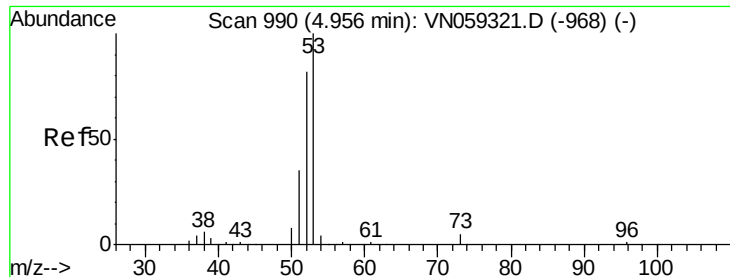
Ion Ratio Lower Upper

41 100

39 59.0 48.4 72.6

76 33.1 26.2 39.4





#15

Acrylonitrile

Concen: 80.471 ug/l

RT: 4.96 min Scan# 990

Delta R.T. 0.00 min

Lab File: VN059337.D

Acq: 21 Nov 2019 15:50

Instrument :

MSVOA_N

ClientSampleId :

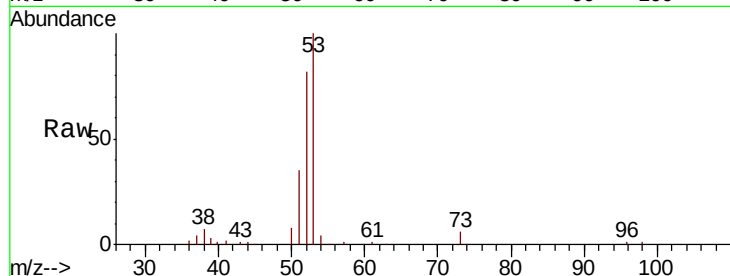
Tot Ion: 53 Resp: 213048

Ion Ratio Lower Upper

53 100

52 81.6 65.8 98.8

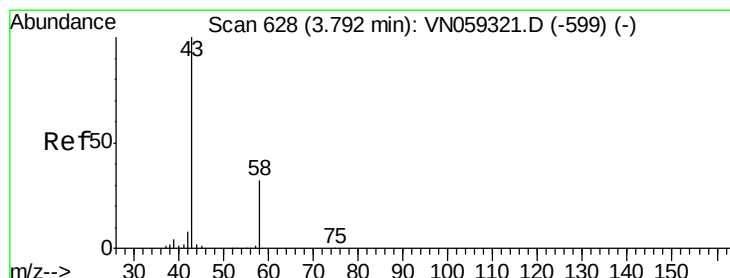
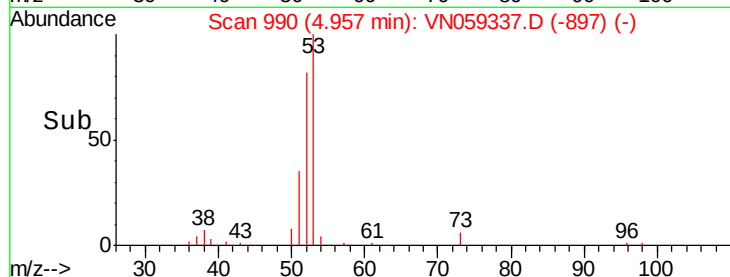
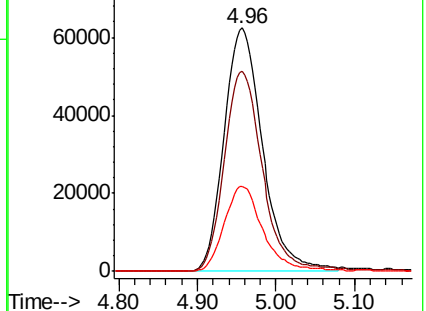
51 34.9 28.2 42.2



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

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

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



#16

Acetone

Concen: 85.853 ug/l

RT: 3.79 min Scan# 627

Delta R.T. -0.00 min

Lab File: VN059337.D

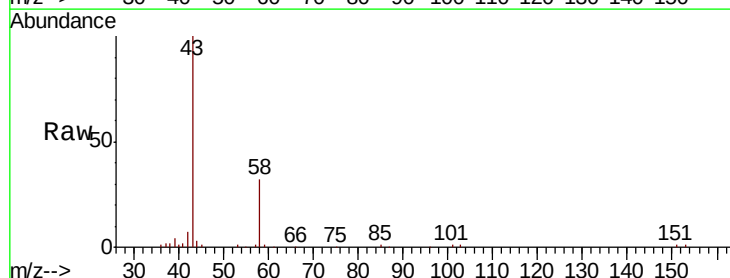
Acq: 21 Nov 2019 15:50

Tgt Ion: 43 Resp: 192524

Ion Ratio Lower Upper

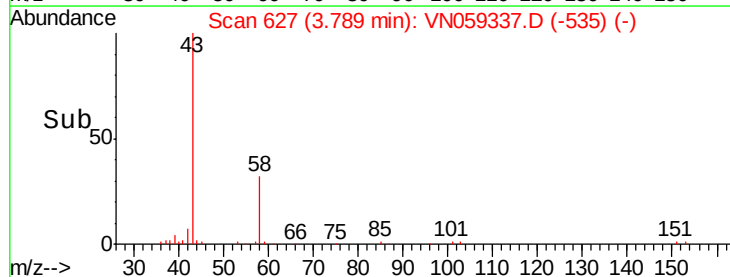
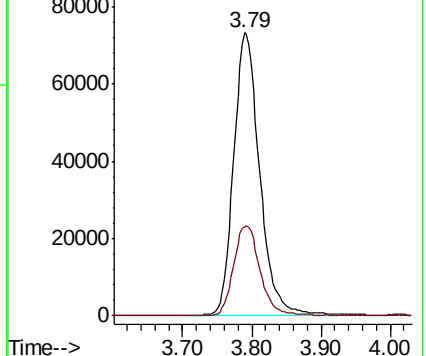
43 100

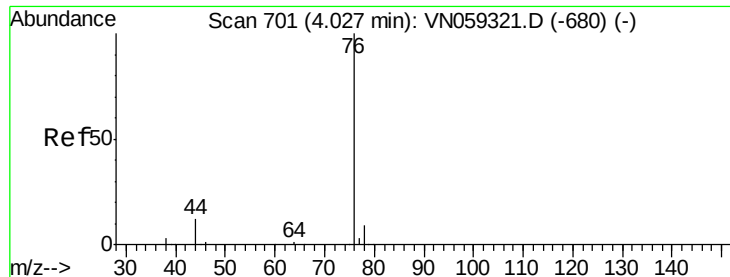
58 31.6 25.8 38.6



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

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





#17

Carbon Disulfide

Concen: 15.780 ug/l

RT: 4.03 min Scan# 702

Delta R.T. 0.00 min

Lab File: VN059337.D

Acq: 21 Nov 2019 15:50

Instrument :

MSVOA_N

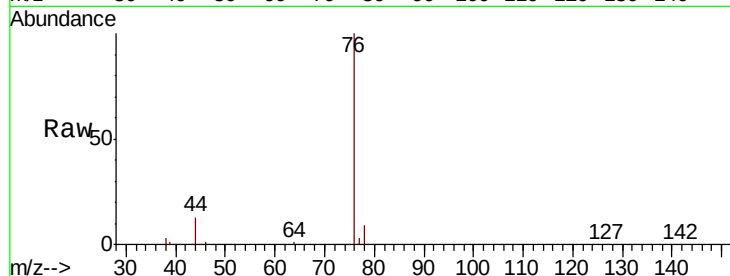
ClientSampled :

Tot Ion: 76 Resp: 221128

Ion Ratio Lower Upper

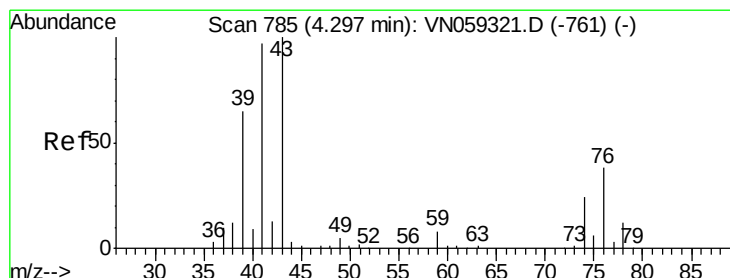
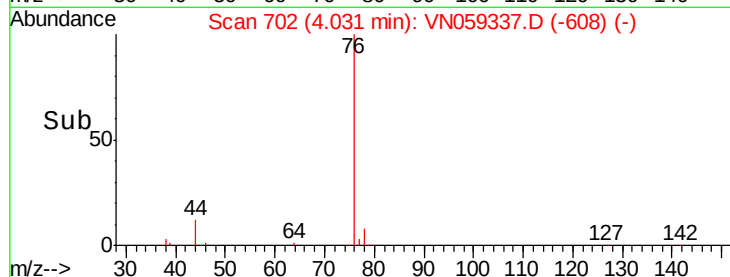
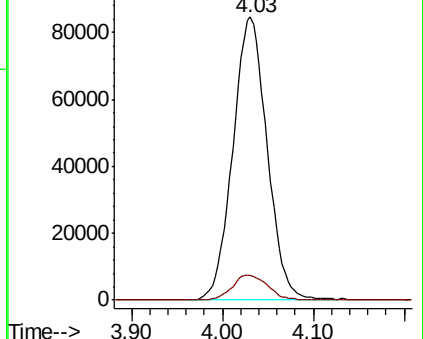
76 100

78 8.7 7.2 10.8



Abundance Ion 75.90 (75.60 to 76.60): VNO

Ion 77.90 (77.60 to 78.60): VNO



#18

Methyl Acetate

Concen: 16.317 ug/l

RT: 4.30 min Scan# 786

Delta R.T. 0.00 min

Lab File: VN059337.D

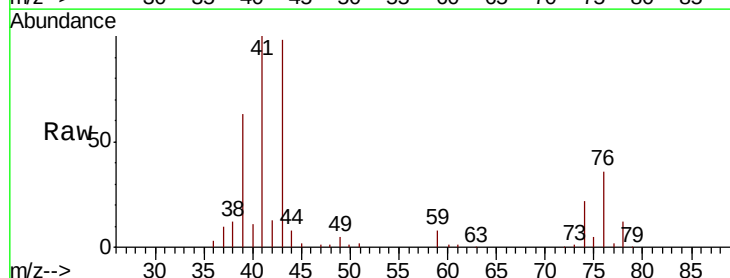
Acq: 21 Nov 2019 15:50

Tgt Ion: 43 Resp: 121437

Ion Ratio Lower Upper

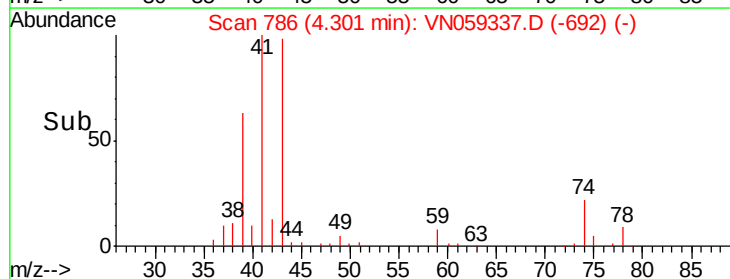
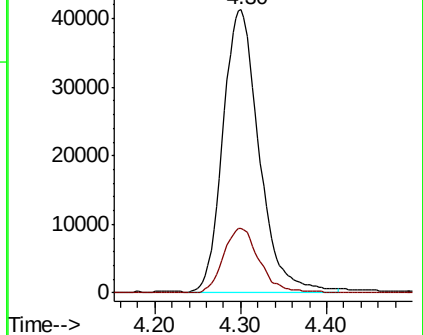
43 100

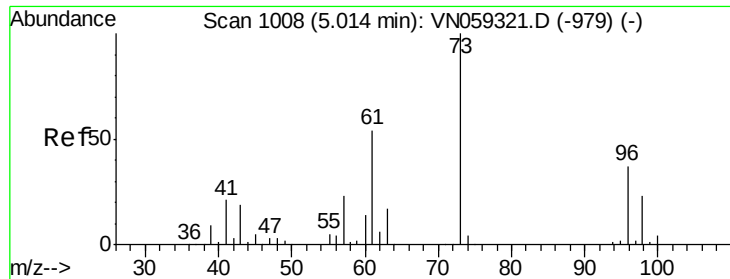
74 22.6 18.1 27.1



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 74.00 (73.70 to 74.70): VNO

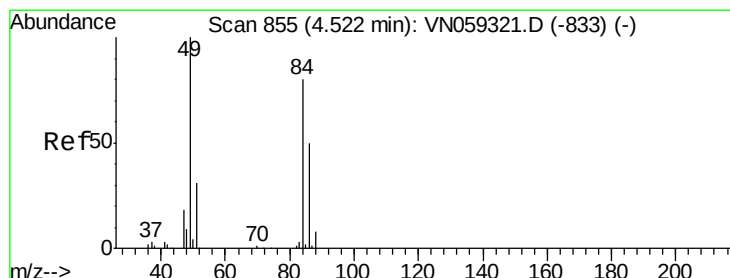
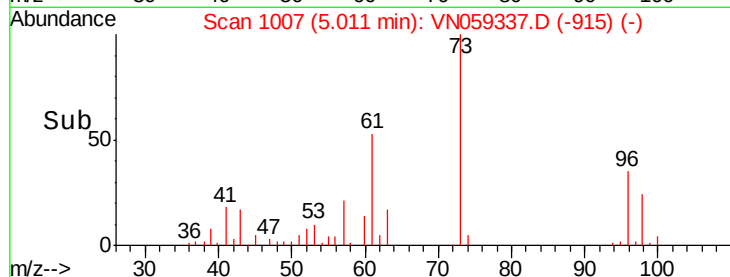
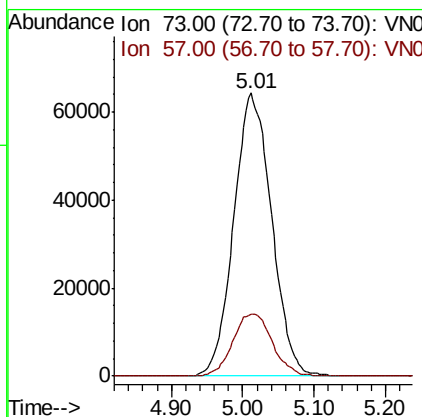
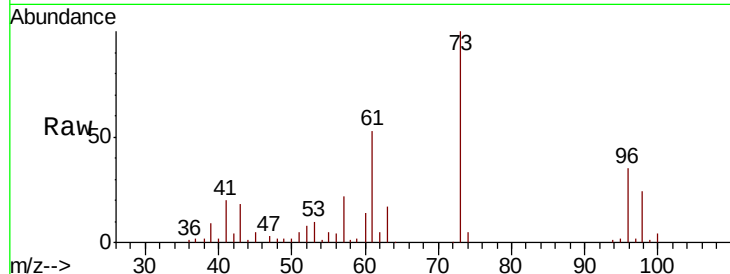




#19
Methyl tert-butyl Ether
Concen: 16.336 ug/l
RT: 5.01 min Scan# 1007
Delta R.T. -0.00 min
Lab File: VN059337.D
Acq: 21 Nov 2019 15:50

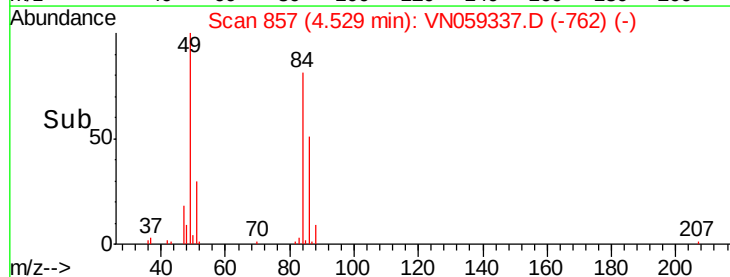
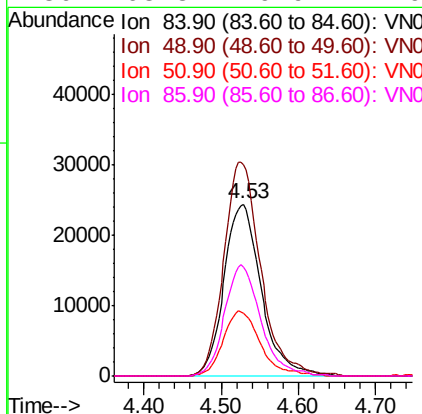
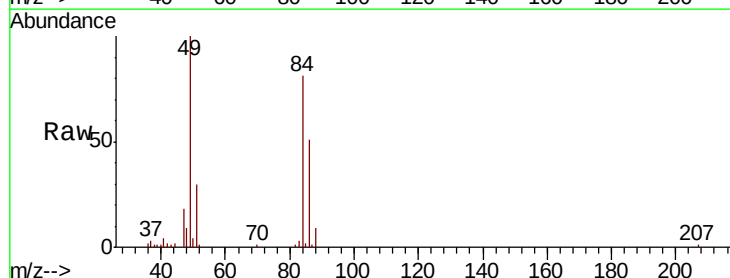
Instrument :
MSVOA_N
ClientSampleId :

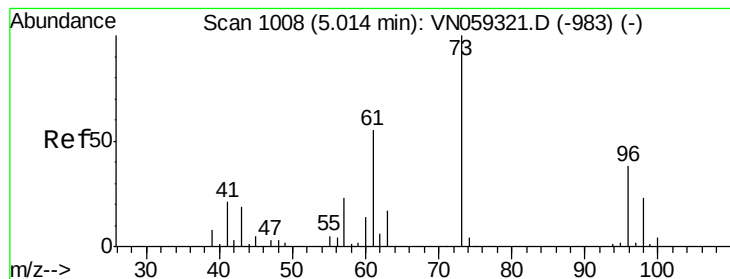
Tot Ion: 73 Resp: 237376
Ion Ratio Lower Upper
73 100
57 21.7 18.4 27.6



#20
Methylene Chloride
Concen: 16.083 ug/l
RT: 4.53 min Scan# 857
Delta R.T. 0.01 min
Lab File: VN059337.D
Acq: 21 Nov 2019 15:50

Tgt Ion: 84 Resp: 81343
Ion Ratio Lower Upper
84 100
49 123.1 99.5 149.3
51 36.4 31.1 46.7
86 63.3 49.9 74.9





#21

trans-1,2-Dichloroethene

Concen: 15.659 ug/l

RT: 5.02 min Scan# 1009

Delta R.T. 0.00 min

Lab File: VN059337.D

Acq: 21 Nov 2019 15:50

Instrument :

MSVOA_N

ClientSampleId :

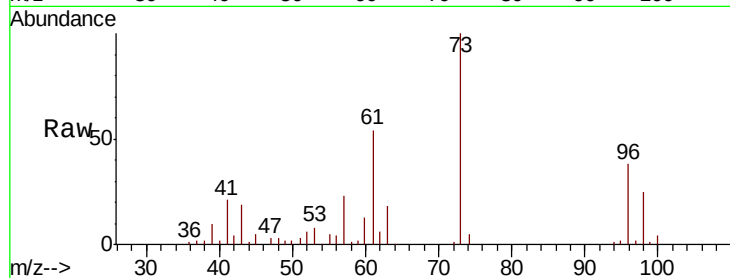
Tot Ion: 96 Resp: 74661

Ion Ratio Lower Upper

96 100

61 143.0 116.4 174.6

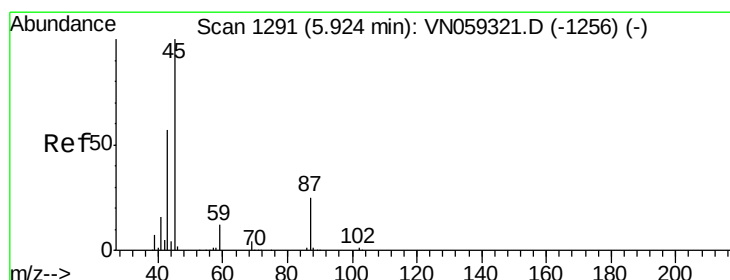
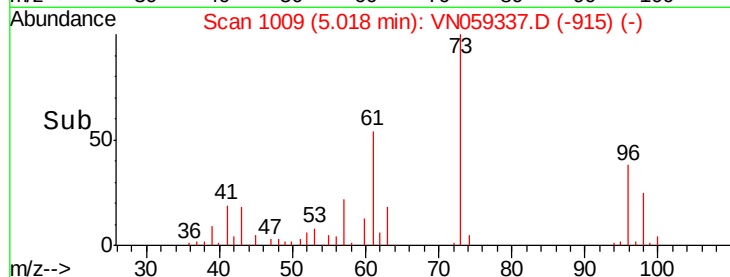
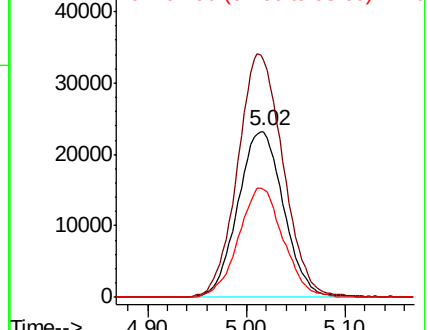
98 65.2 49.6 74.4



Abundance Ion 95.90 (95.60 to 96.60): VN059337.D (-915) (-)

Ion 60.90 (60.60 to 61.60): VN059337.D (-915) (-)

Ion 97.90 (97.60 to 98.60): VN059337.D (-915) (-)



#22

Diisopropyl ether

Concen: 16.020 ug/l

RT: 5.92 min Scan# 1291

Delta R.T. 0.00 min

Lab File: VN059337.D

Acq: 21 Nov 2019 15:50

Tgt Ion: 45 Resp: 253487

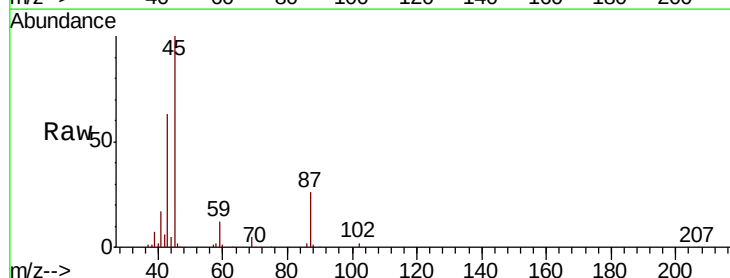
Ion Ratio Lower Upper

45 100

43 61.3 47.6 71.4

87 26.0 20.7 31.1

59 11.7 9.4 14.2

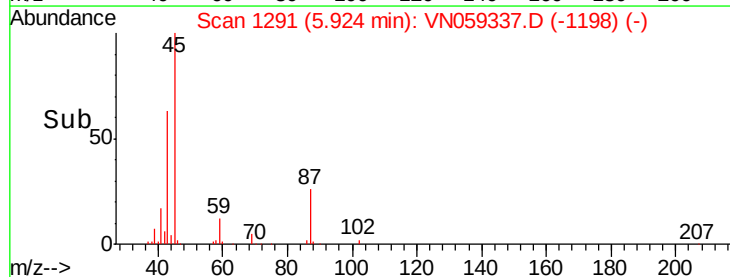
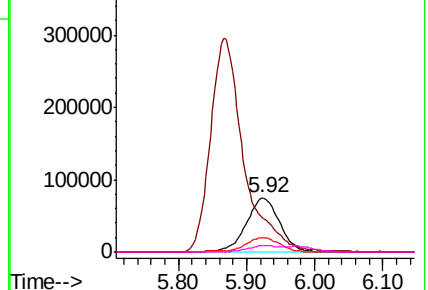


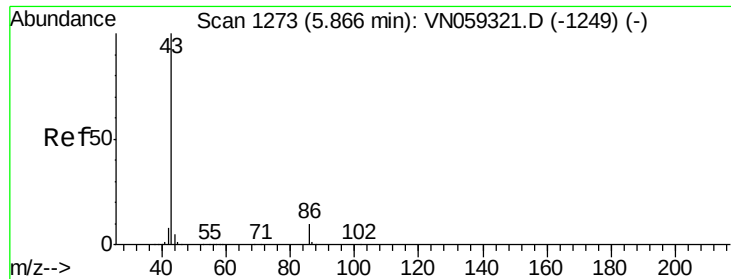
Abundance Ion 45.00 (44.70 to 45.70): VN059337.D (-1198) (-)

Ion 43.00 (42.70 to 43.70): VN059337.D (-1198) (-)

Ion 87.00 (86.70 to 87.70): VN059337.D (-1198) (-)

Ion 59.00 (58.70 to 59.70): VN059337.D (-1198) (-)

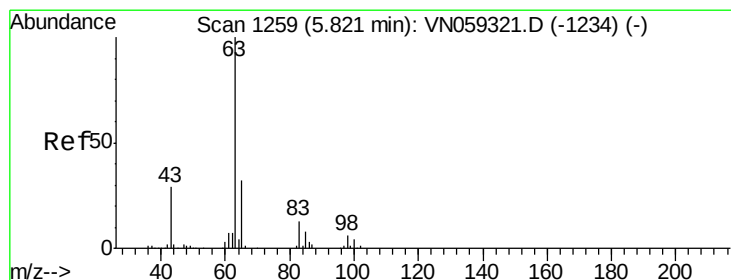
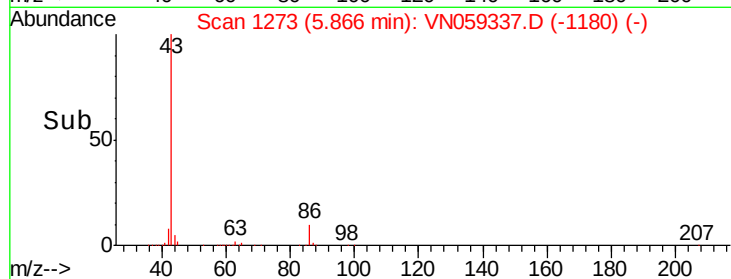
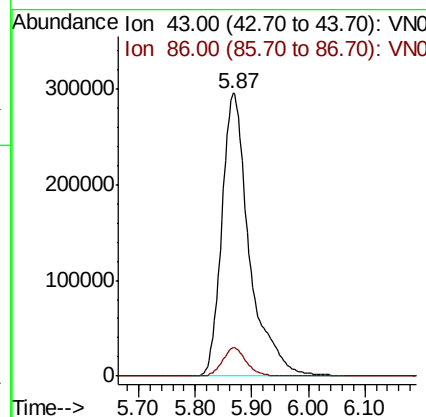
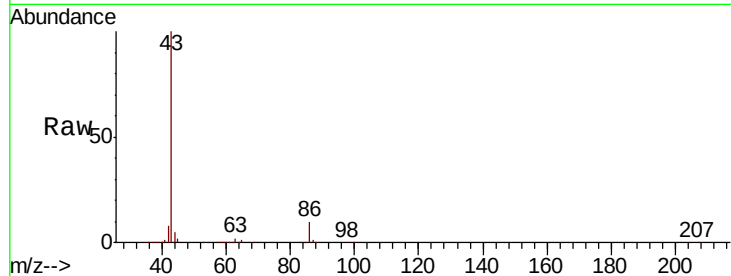




#23
 Vinyl Acetate
 Concen: 80.436 ug/l
 RT: 5.87 min Scan# 1273
 Delta R.T. 0.00 min
 Lab File: VN059337.D
 Acq: 21 Nov 2019 15:50

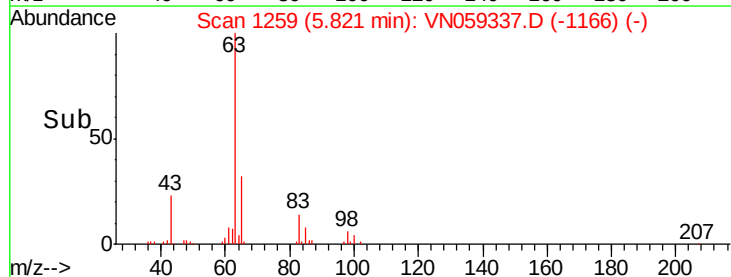
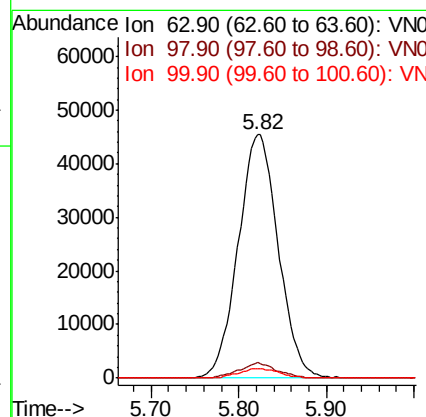
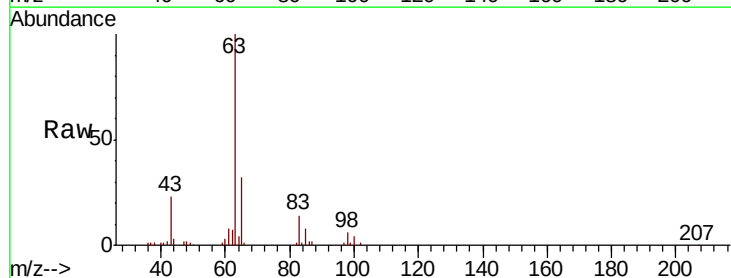
Instrument :
 MSVOA_N
 ClientSampleId :

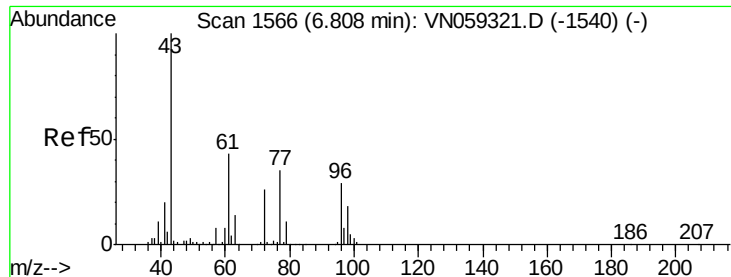
Tot Ion: 43 Resp: 1000895
 Ion Ratio Lower Upper
 43 100
 86 10.0 8.0 12.0



#24
 1,1-Dichloroethane
 Concen: 16.211 ug/l
 RT: 5.82 min Scan# 1259
 Delta R.T. 0.00 min
 Lab File: VN059337.D
 Acq: 21 Nov 2019 15:50

Tgt Ion: 63 Resp: 144387
 Ion Ratio Lower Upper
 63 100
 98 6.3 2.9 8.8
 100 3.9 1.9 5.7

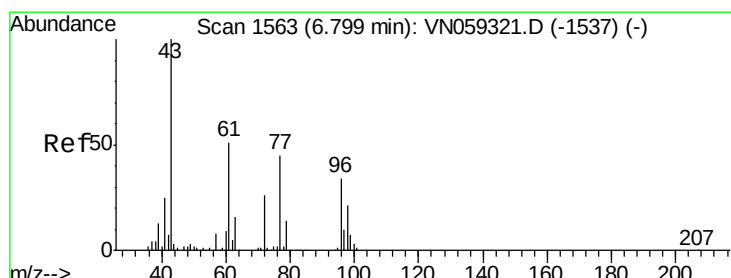
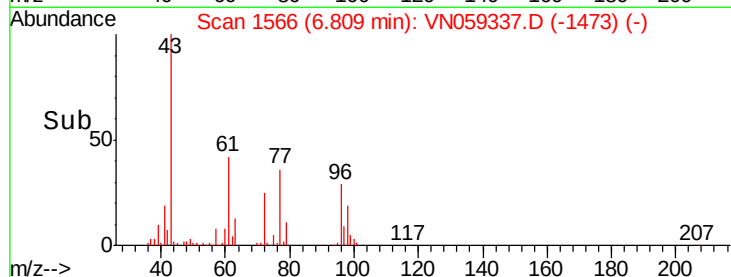
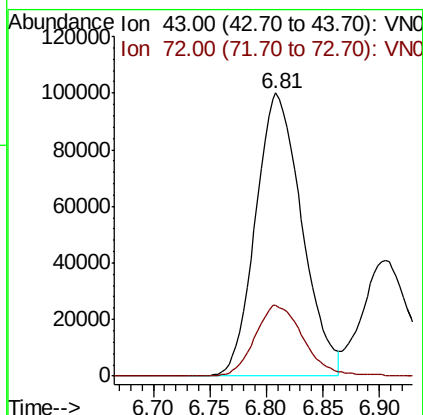
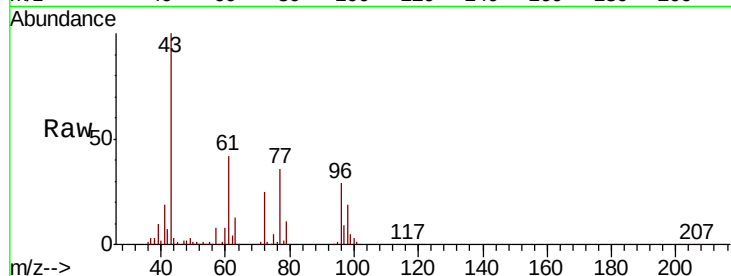




#25
2-Butanone
Concen: 81.529 ug/l
RT: 6.81 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VN059337.D
Acq: 21 Nov 2019 15:50

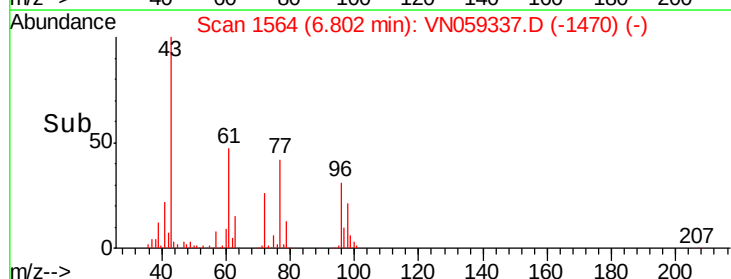
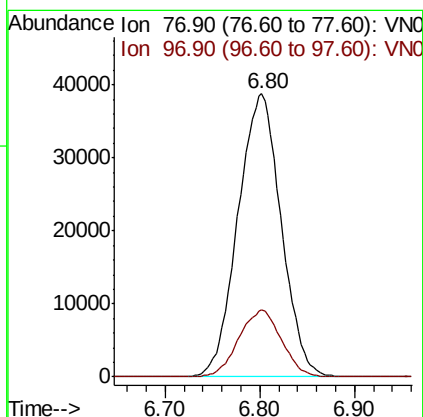
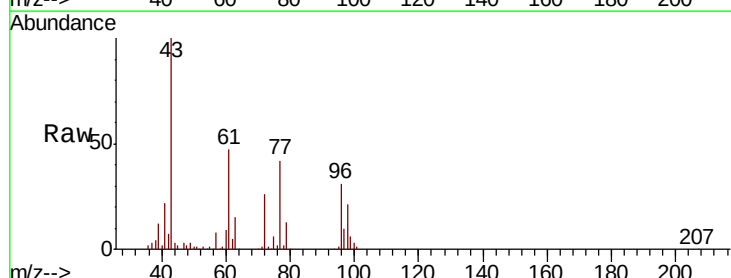
Instrument :
MSVOA_N
ClientSampled :

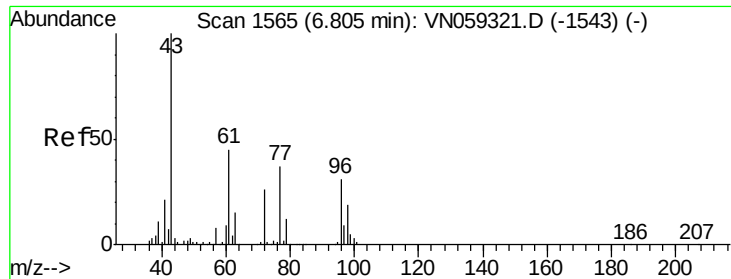
Tot Ion: 43 Resp: 284295
Ion Ratio Lower Upper
43 100
72 25.1 20.5 30.7



#26
2,2-Dichloropropane
Concen: 15.915 ug/l
RT: 6.80 min Scan# 1564
Delta R.T. 0.00 min
Lab File: VN059337.D
Acq: 21 Nov 2019 15:50

Tgt Ion: 77 Resp: 122741
Ion Ratio Lower Upper
77 100
97 23.4 11.5 34.4

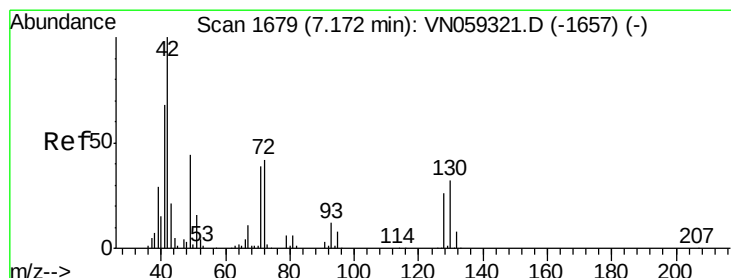
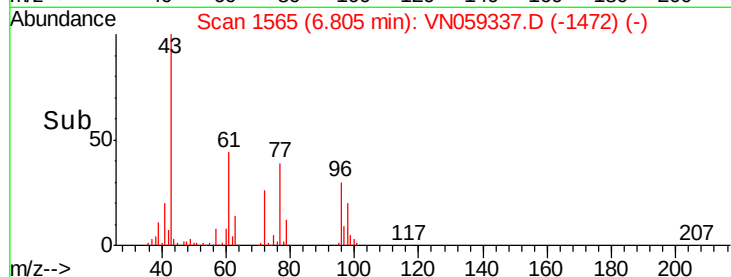
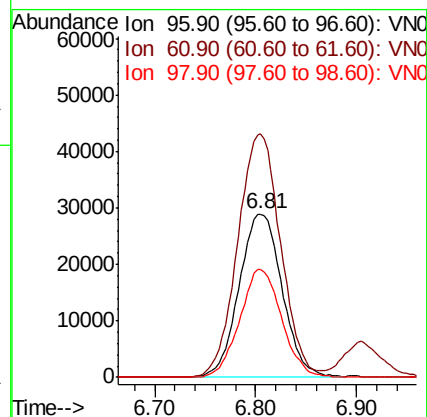
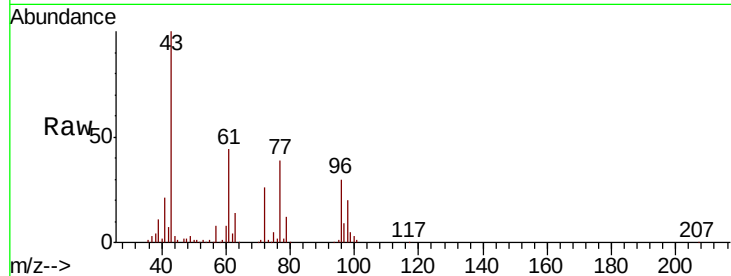




#27
 cis-1,2-Dichloroethene
 Concen: 15.889 ug/l
 RT: 6.81 min Scan# 1565
 Delta R.T. 0.00 min
 Lab File: VN059337.D
 Acq: 21 Nov 2019 15:50

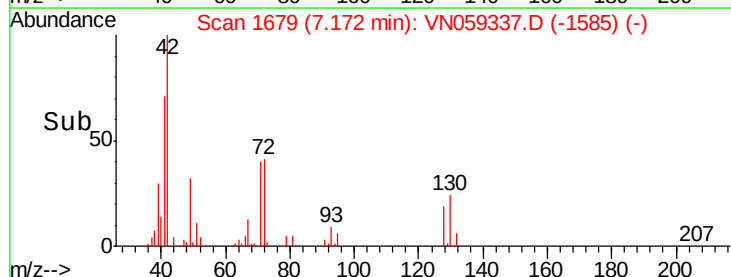
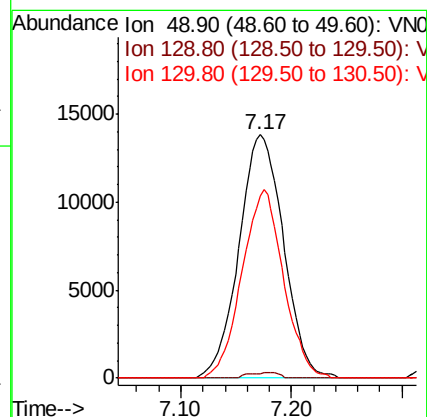
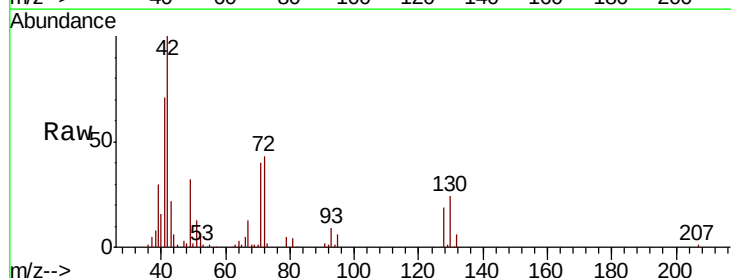
Instrument :
 MSVOA_N
 ClientSampled :

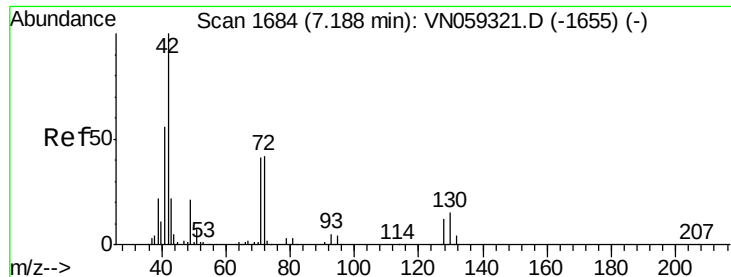
Tot Ion: 96 Resp: 85476
 Ion Ratio Lower Upper
 96 100
 61 148.7 0.0 304.0
 98 64.3 0.0 128.4



#28
 Bromochloromethane
 Concen: 12.498 ug/l
 RT: 7.17 min Scan# 1679
 Delta R.T. 0.00 min
 Lab File: VN059337.D
 Acq: 21 Nov 2019 15:50

Tgt Ion: 49 Resp: 38631
 Ion Ratio Lower Upper
 49 100
 129 1.5 0.0 3.8
 130 72.0 57.0 85.6

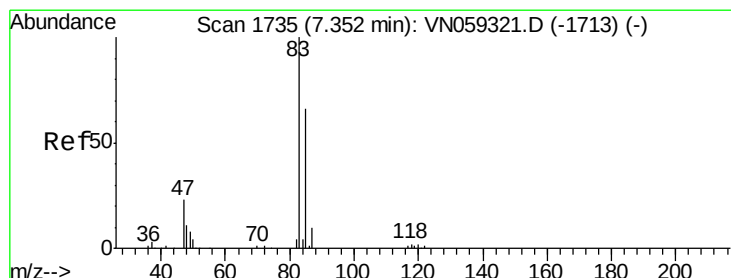
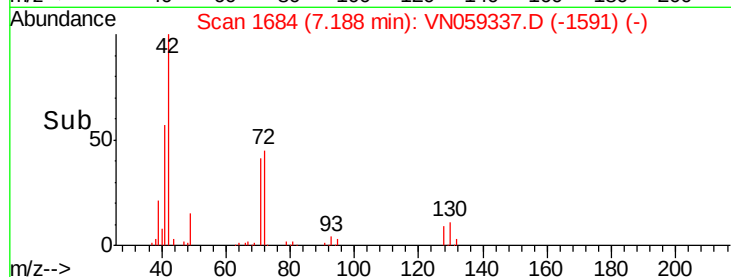
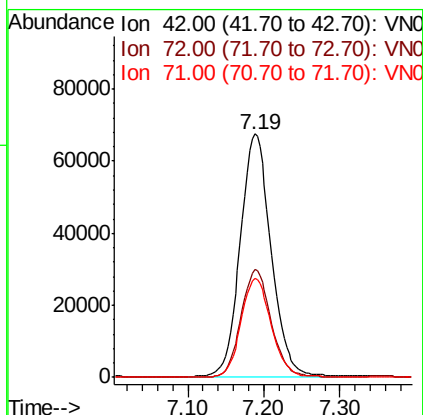
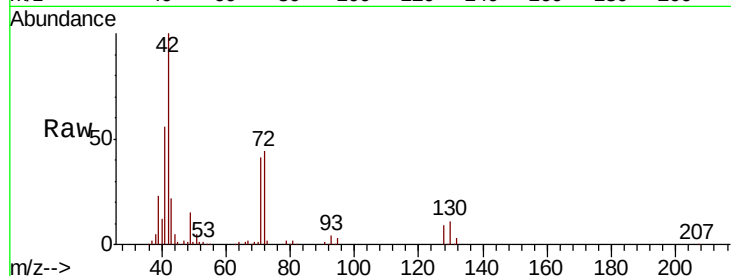




#29
Tetrahydrofuran
Concen: 79.104 ug/l
RT: 7.19 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VN059337.D
Acq: 21 Nov 2019 15:50

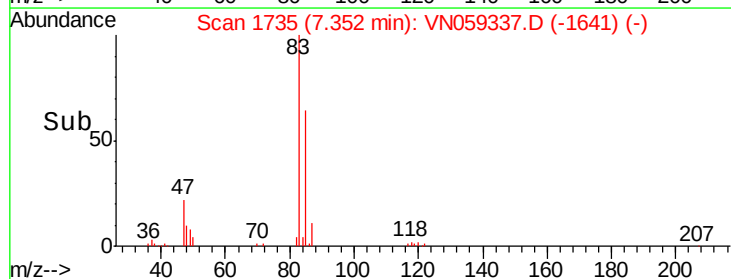
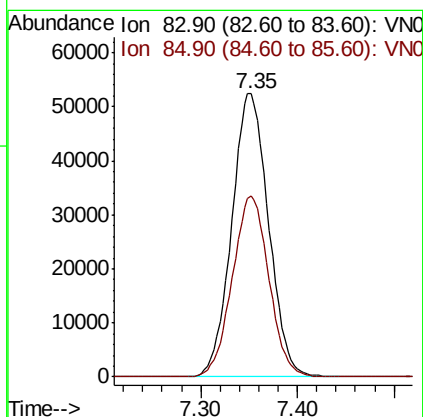
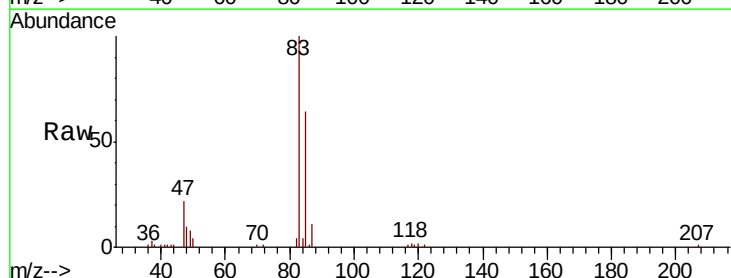
Instrument :
MSVOA_N
ClientSampled :

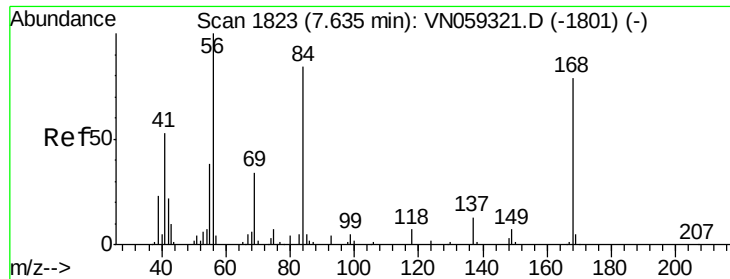
Tot Ion	Ratio	Lower	Upper
42	100		
72	43.4	34.2	51.2
71	40.1	32.6	48.8



#30
Chloroform
Concen: 15.864 ug/l
RT: 7.35 min Scan# 1735
Delta R.T. 0.00 min
Lab File: VN059337.D
Acq: 21 Nov 2019 15:50

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.9	52.7	79.1

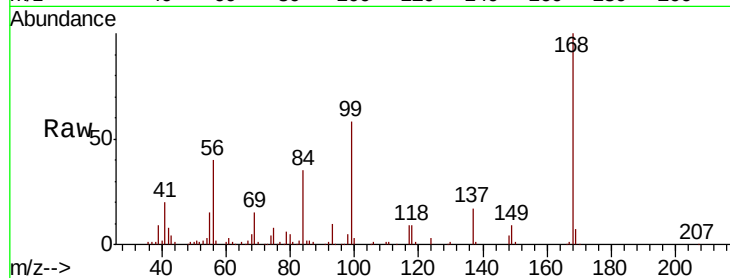




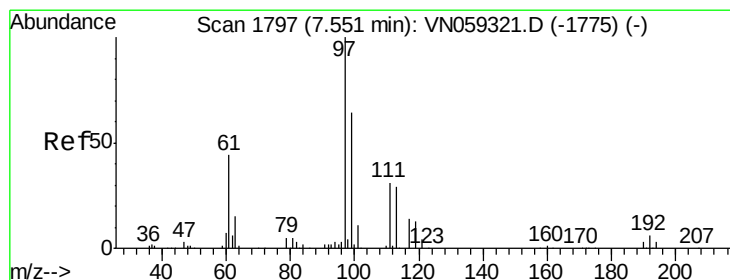
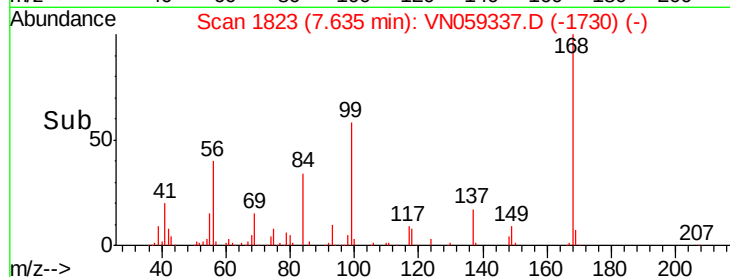
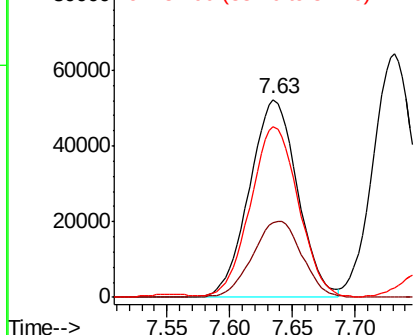
#31
Cyclohexane
Concen: 15.831 ug/l
RT: 7.63 min Scan# 1823
Delta R.T. 0.00 min
Lab File: VN059337.D
Acq: 21 Nov 2019 15:50

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 139415
Ion Ratio Lower Upper
56 100
69 37.8 26.6 40.0
84 85.2 67.0 100.4

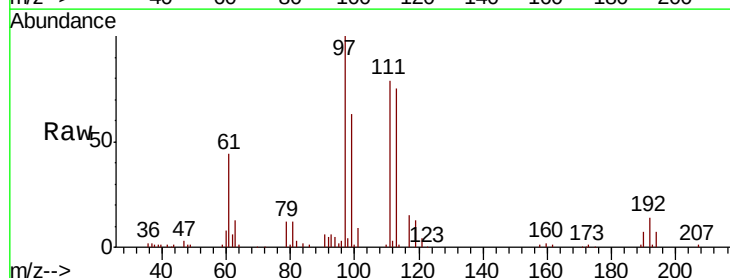


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

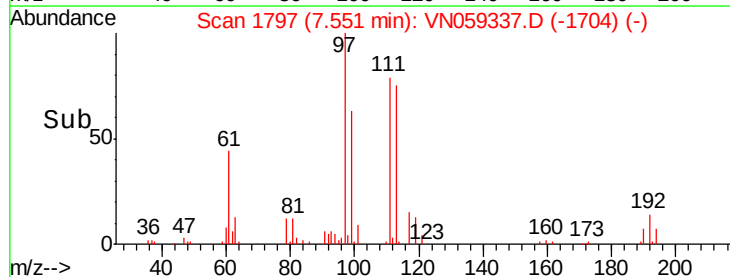
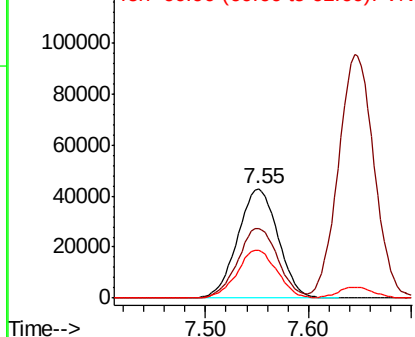


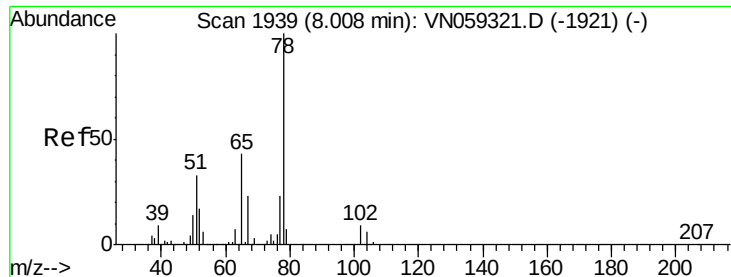
#32
1,1,1-Trichloroethane
Concen: 15.662 ug/l
RT: 7.55 min Scan# 1797
Delta R.T. 0.00 min
Lab File: VN059337.D
Acq: 21 Nov 2019 15:50

Tgt Ion: 97 Resp: 116308
Ion Ratio Lower Upper
97 100
99 63.5 51.3 76.9
61 43.5 35.3 52.9



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

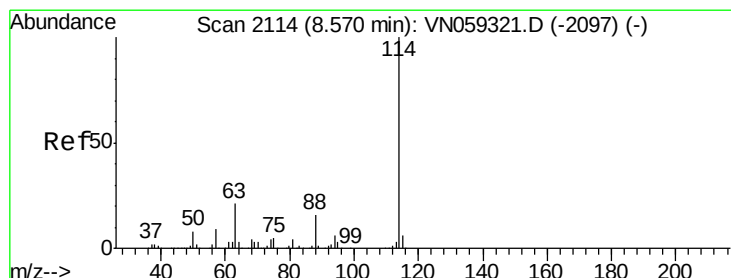
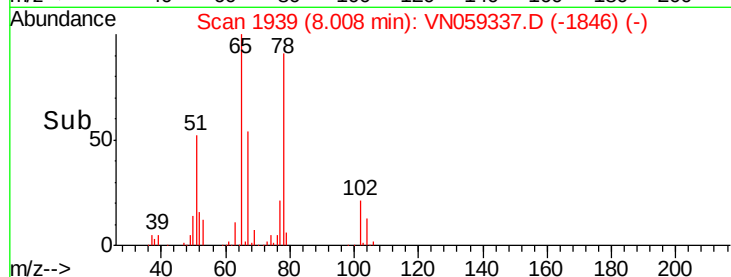
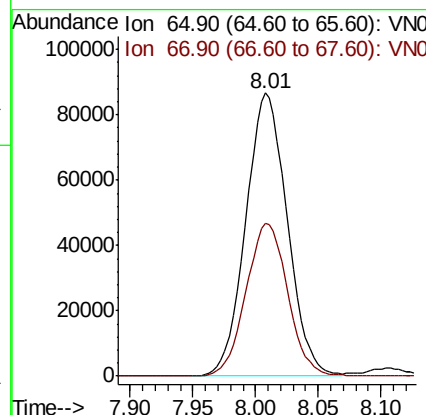
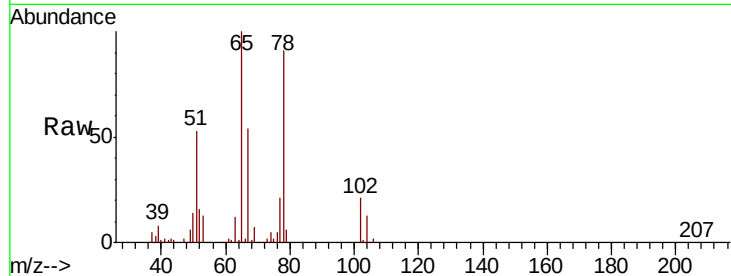




#33
 1,2-Dichloroethane-d4
 Concen: 39.947 ug/l
 RT: 8.01 min Scan# 1939
 Delta R.T. 0.00 min
 Lab File: VN059337.D
 Acq: 21 Nov 2019 15:50

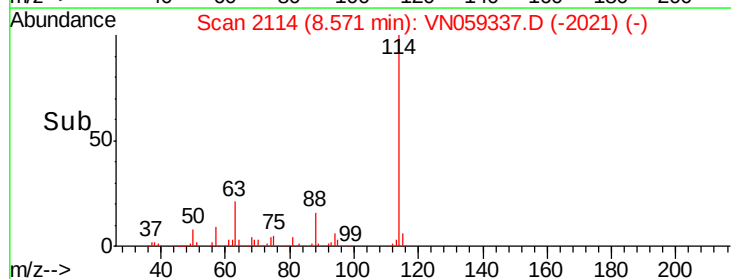
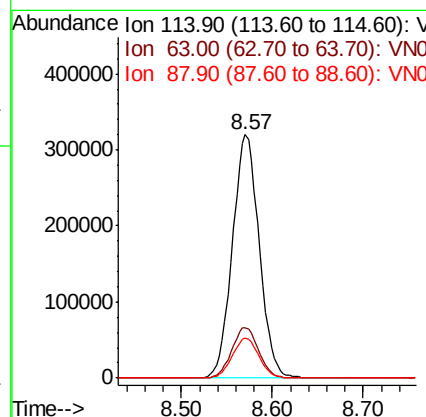
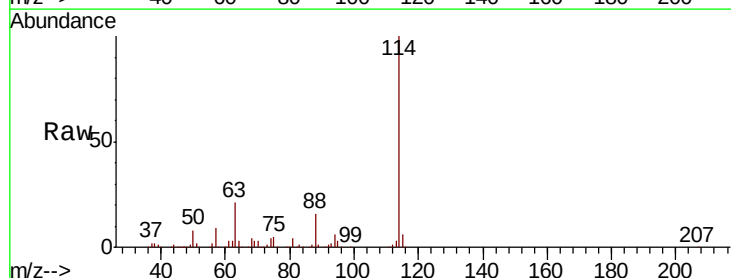
Instrument :
 MSVOA_N
 ClientSampleId :

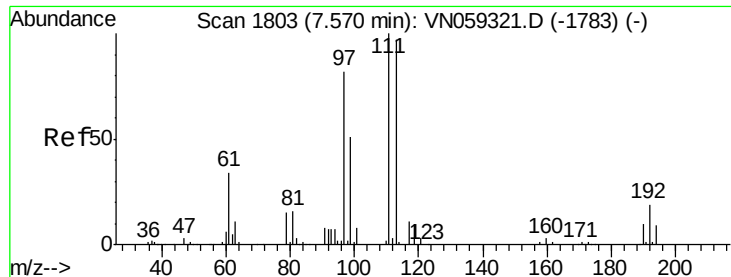
Tot Ion: 65 Resp: 199785
 Ion Ratio Lower Upper
 65 100
 67 54.2 0.0 109.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2114
 Delta R.T. 0.00 min
 Lab File: VN059337.D
 Acq: 21 Nov 2019 15:50

Tgt Ion: 114 Resp: 655568
 Ion Ratio Lower Upper
 114 100
 63 20.9 0.0 42.2
 88 16.4 0.0 32.2

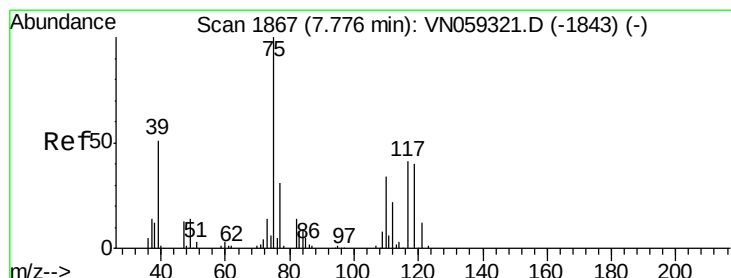
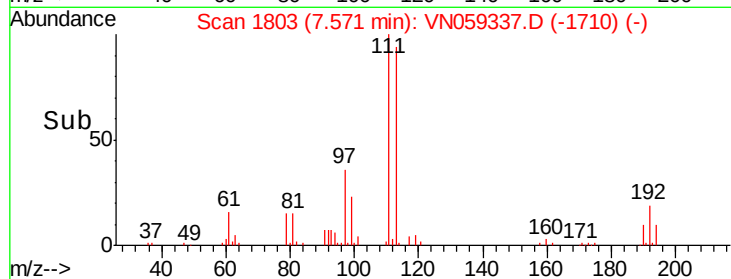
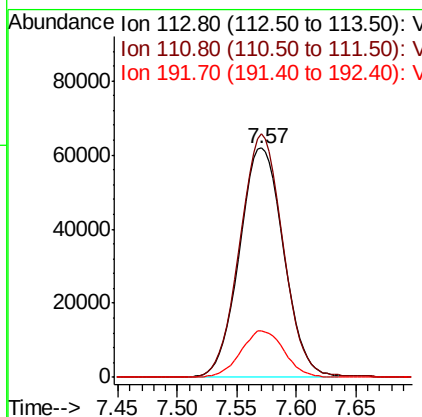
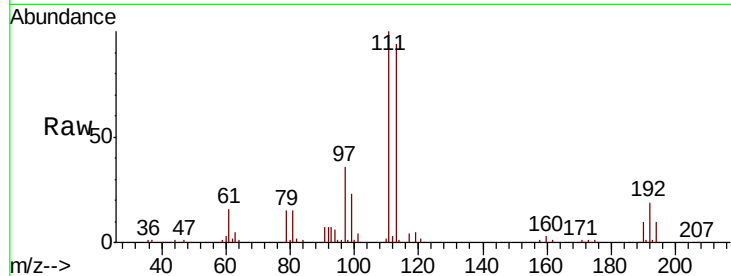




#35
 Dibromofluoromethane
 Concen: 40.624 ug/l
 RT: 7.57 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VN059337.D
 Acq: 21 Nov 2019 15:50

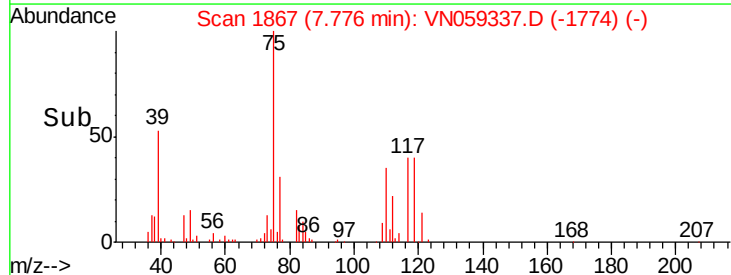
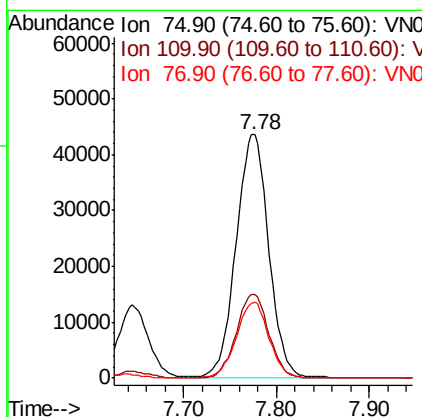
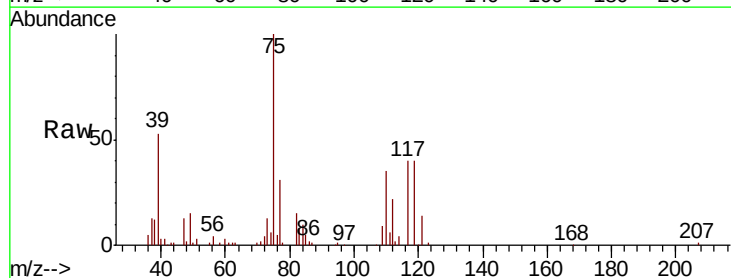
Instrument :
 MSVOA_N
 ClientSampleId :

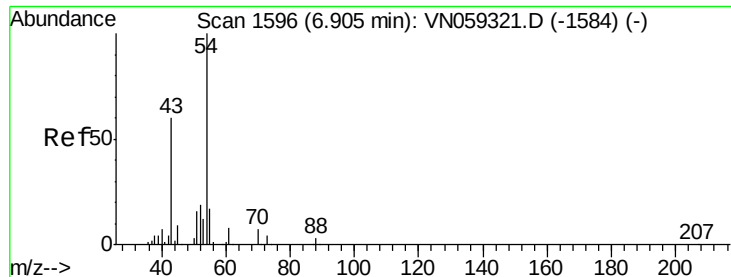
Tot Ion:113 Resp: 159774
 Ion Ratio Lower Upper
 113 100
 111 103.2 82.7 124.1
 192 19.9 16.3 24.5



#36
 1,1-Dichloropropene
 Concen: 15.775 ug/l
 RT: 7.78 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN059337.D
 Acq: 21 Nov 2019 15:50

Tgt Ion: 75 Resp: 106762
 Ion Ratio Lower Upper
 75 100
 110 34.1 17.0 51.0
 77 31.0 24.8 37.2

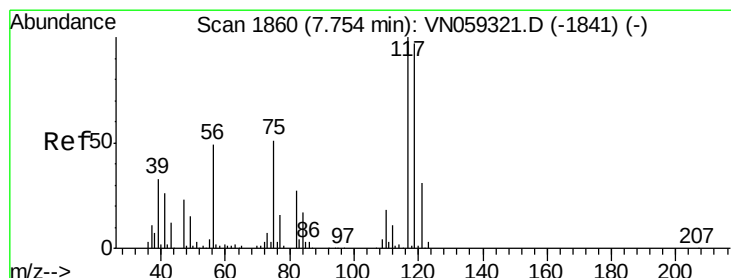
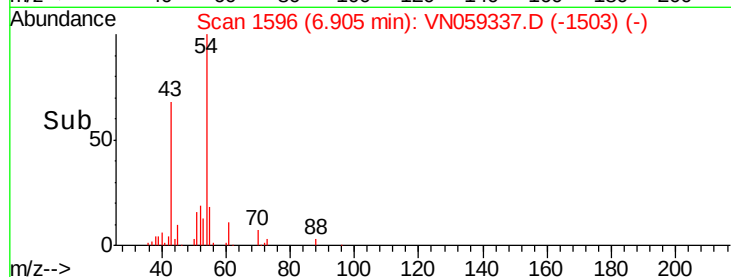
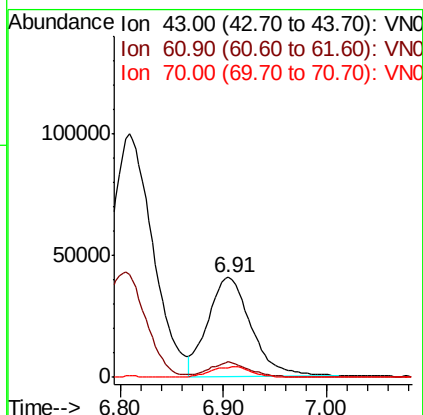
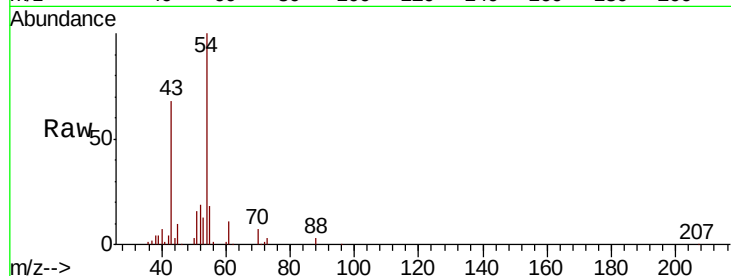




#37
Ethyl Acetate
Concen: 16.299 ug/l
RT: 6.91 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VN059337.D
Acq: 21 Nov 2019 15:50

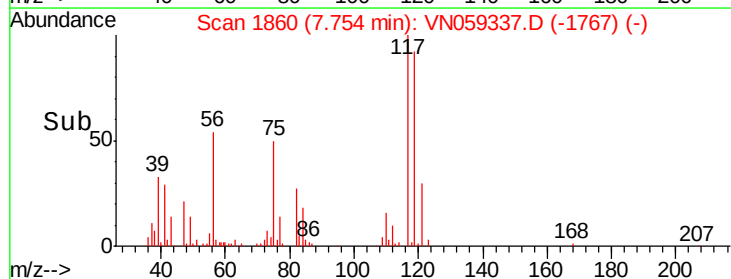
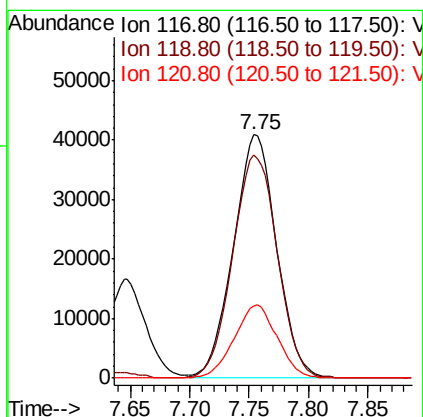
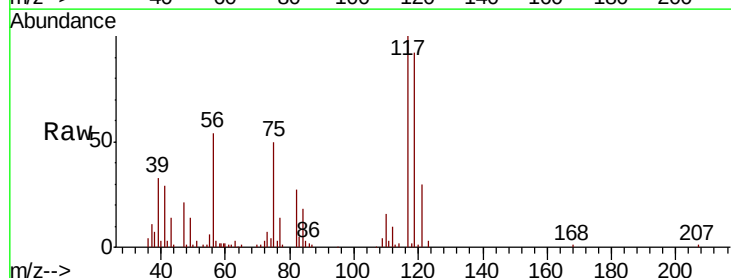
Instrument :
MSVOA_N
ClientSampled :

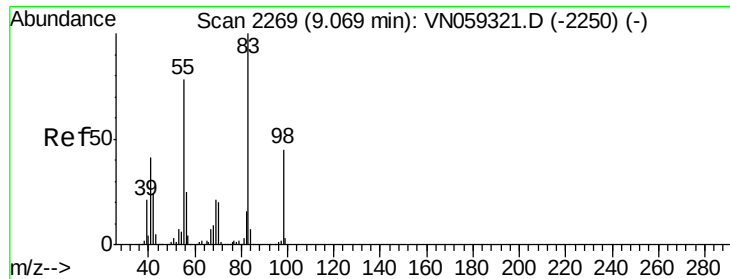
Tot Ion: 43 Resp: 118552
Ion Ratio Lower Upper
43 100
61 13.8 11.0 16.6
70 10.1 8.8 13.2



#38
Carbon Tetrachloride
Concen: 15.849 ug/l
RT: 7.75 min Scan# 1860
Delta R.T. 0.00 min
Lab File: VN059337.D
Acq: 21 Nov 2019 15:50

Tgt Ion: 117 Resp: 102683
Ion Ratio Lower Upper
117 100
119 91.6 77.0 115.4
121 29.8 24.4 36.6

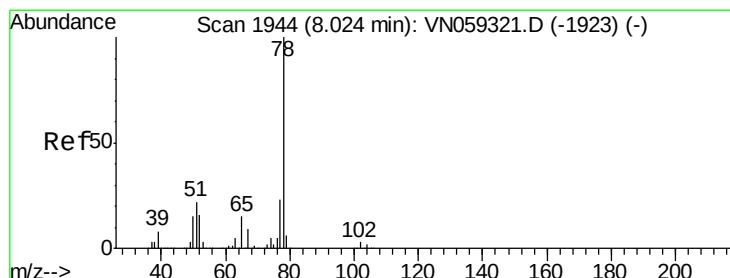
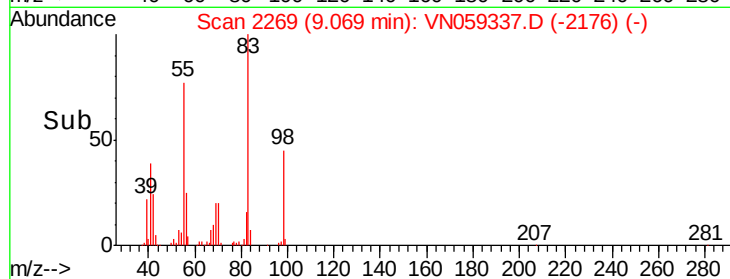
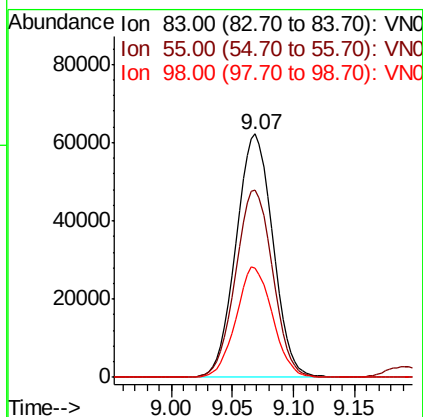
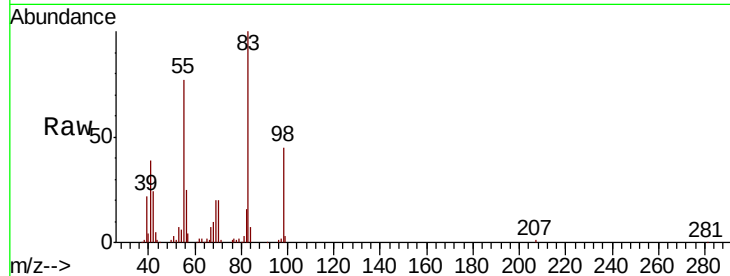




#39
Methylvlcyclohexane
Concen: 15.953 ug/l
RT: 9.07 min Scan# 2269
Delta R.T. 0.00 min
Lab File: VN059337.D
Acq: 21 Nov 2019 15:50

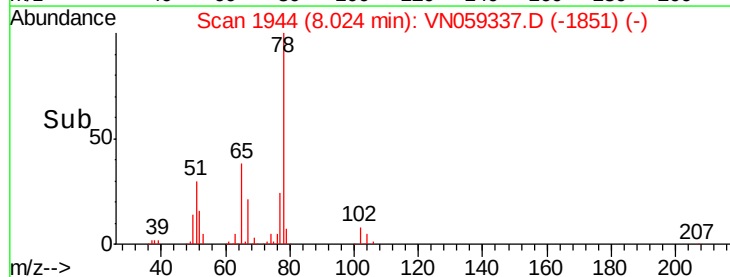
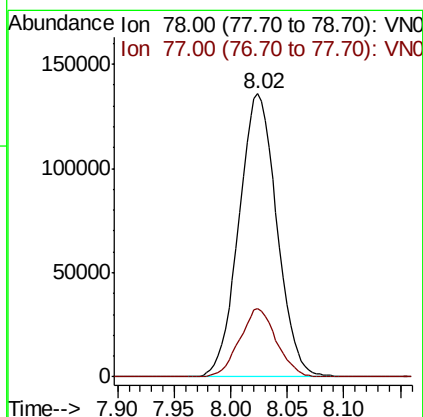
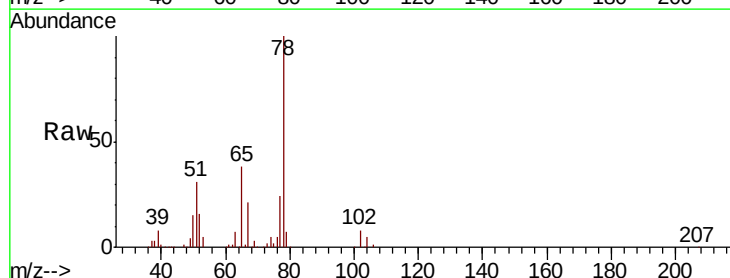
Instrument :
MSVOA_N
ClientSampled :

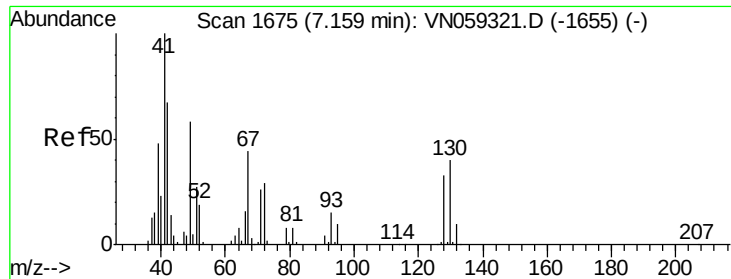
Tot Ion: 83 Resp: 130195
Ion Ratio Lower Upper
83 100
55 77.0 62.3 93.5
98 45.1 36.0 54.0



#40
Benzene
Concen: 15.995 ug/l
RT: 8.02 min Scan# 1944
Delta R.T. 0.00 min
Lab File: VN059337.D
Acq: 21 Nov 2019 15:50

Tgt Ion: 78 Resp: 317711
Ion Ratio Lower Upper
78 100
77 24.2 18.4 27.6

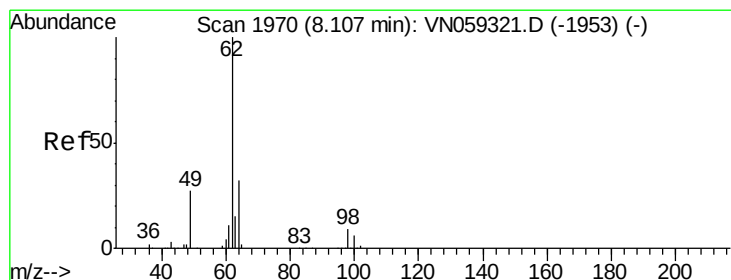
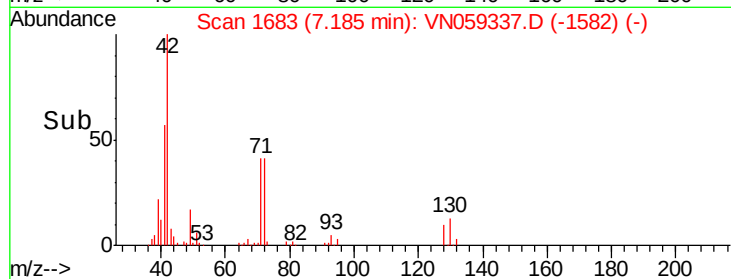
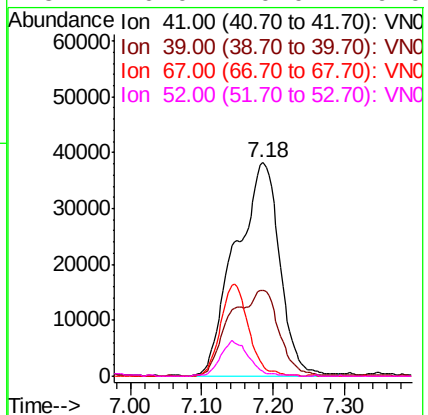
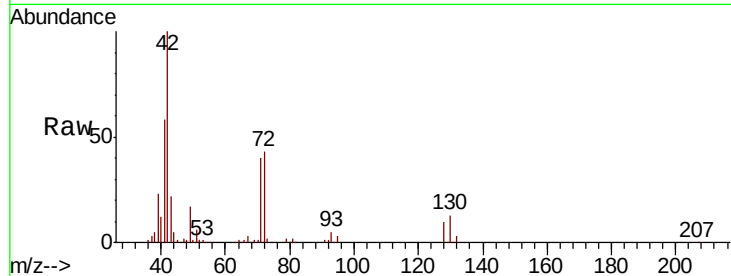




#41
Methacrylonitrile
Concen: 51.131 ug/l
RT: 7.18 min Scan# 1683
Delta R.T. 0.03 min
Lab File: VN059337.D
Acq: 21 Nov 2019 15:50

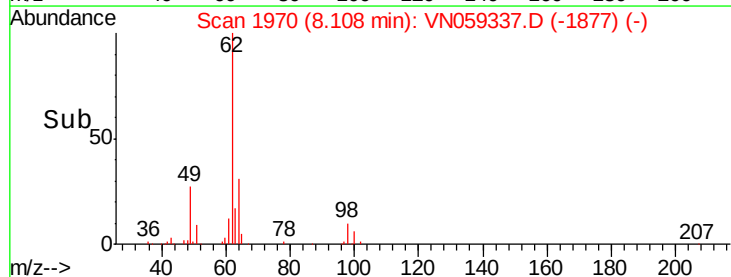
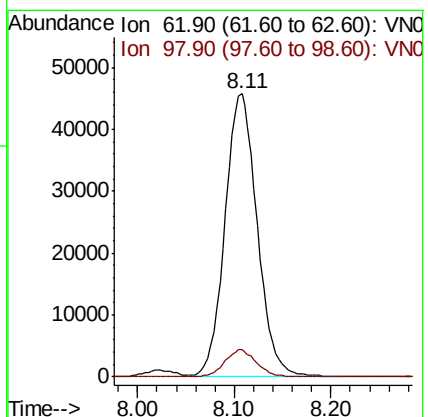
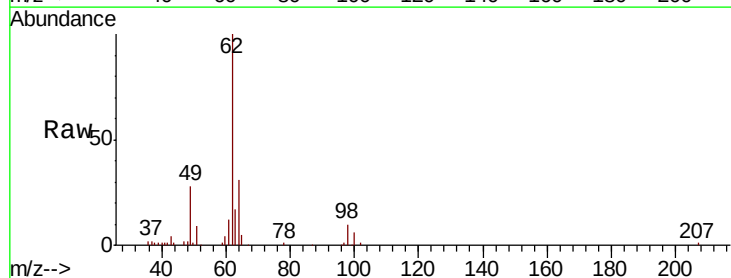
Instrument :
MSVOA_N
ClientSampled :

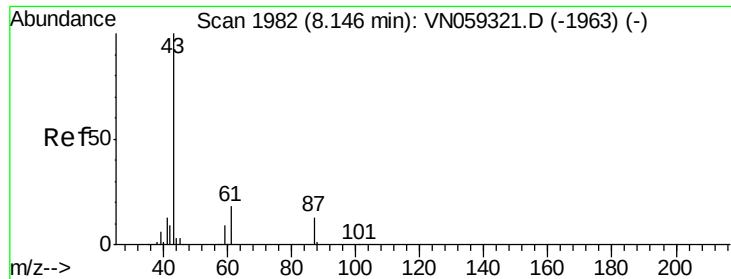
Tot Ion:	41	Resp:	165095
Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0



#42
1,2-Dichloroethane
Concen: 16.120 ug/l
RT: 8.11 min Scan# 1970
Delta R.T. 0.00 min
Lab File: VN059337.D
Acq: 21 Nov 2019 15:50

Tgt Ion:	62	Resp:	105896
Ion	Ratio	Lower	Upper
62	100		
98	9.3	0.0	18.6

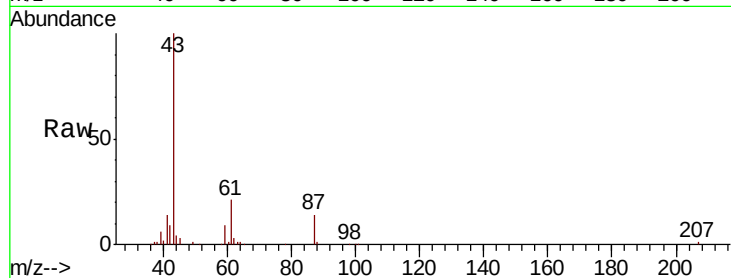




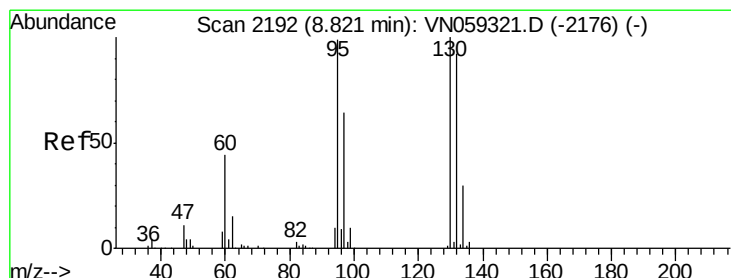
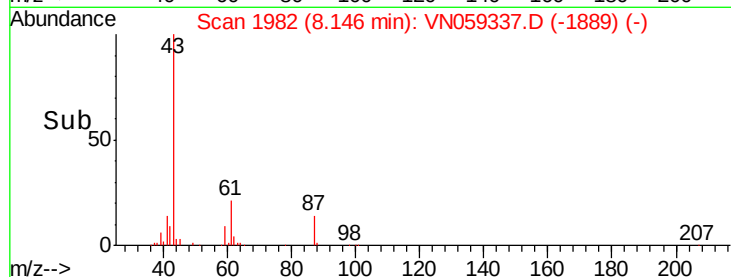
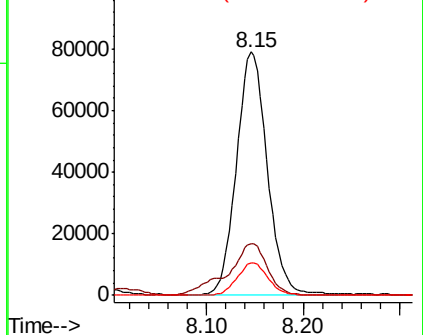
#43
Isopropyl Acetate
Concen: 15.820 ug/l
RT: 8.15 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VN059337.D
Acq: 21 Nov 2019 15:50

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 43 Resp: 175858
Ion Ratio Lower Upper
43 100
61 27.4 21.7 32.5
87 13.2 10.2 15.4

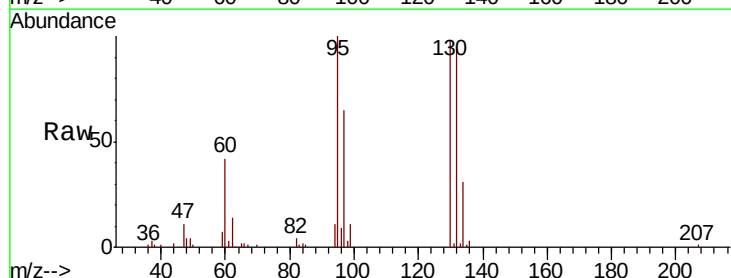


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 61.00 (60.70 to 61.70): VN0
Ion 87.00 (86.70 to 87.70): VN0

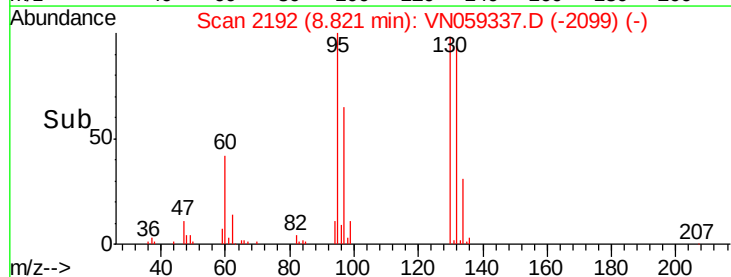
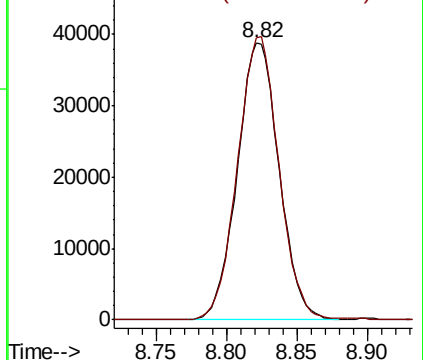


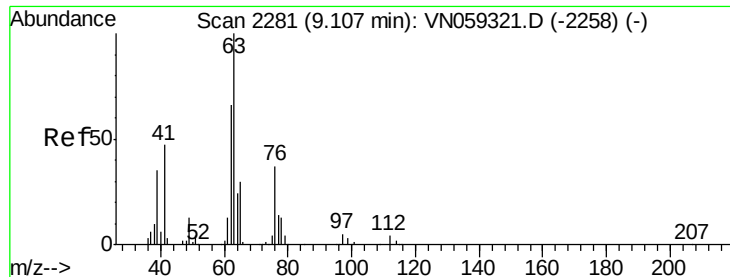
#44
Trichloroethene
Concen: 15.996 ug/l
RT: 8.82 min Scan# 2192
Delta R.T. 0.00 min
Lab File: VN059337.D
Acq: 21 Nov 2019 15:50

Tgt Ion:130 Resp: 80527
Ion Ratio Lower Upper
130 100
95 101.8 0.0 198.4



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





#45

1,2-Dichloropropane

Concen: 16.106 ug/l

RT: 9.11 min Scan# 2281

Delta R.T. 0.00 min

Lab File: VN059337.D

Acq: 21 Nov 2019 15:50

Instrument :

MSVOA_N

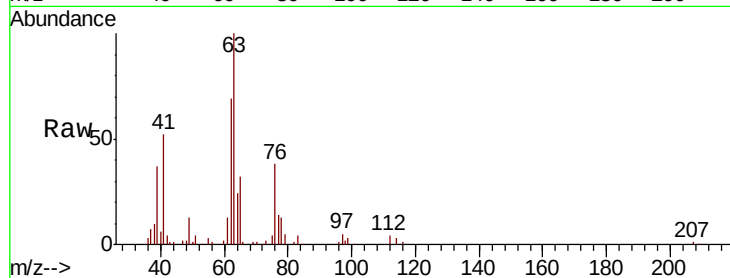
ClientSampleId :

Tot Ion: 63 Resp: 85309

Ion Ratio Lower Upper

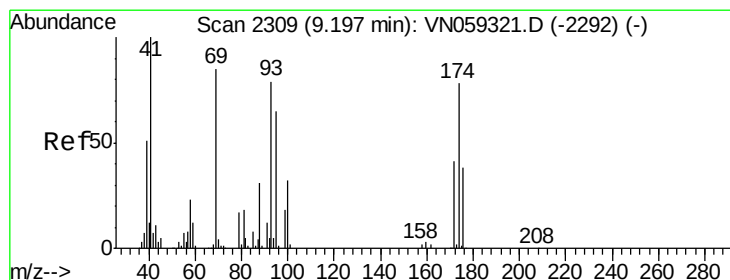
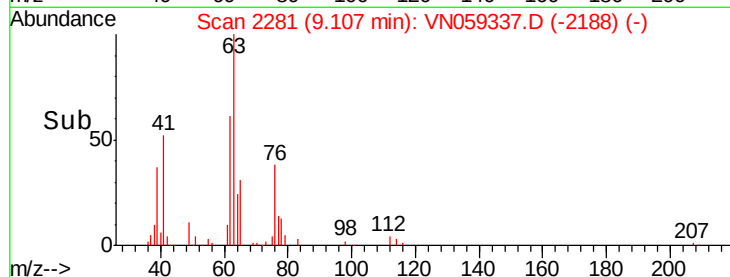
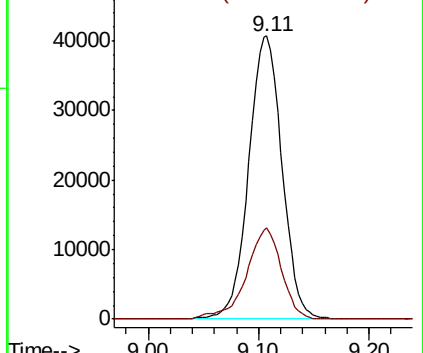
63 100

65 32.1 23.9 35.9



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 15.944 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. 0.00 min

Lab File: VN059337.D

Acq: 21 Nov 2019 15:50

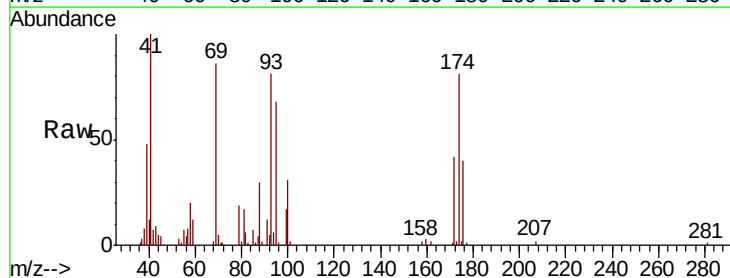
Tgt Ion: 93 Resp: 51799

Ion Ratio Lower Upper

93 100

95 84.4 66.9 100.3

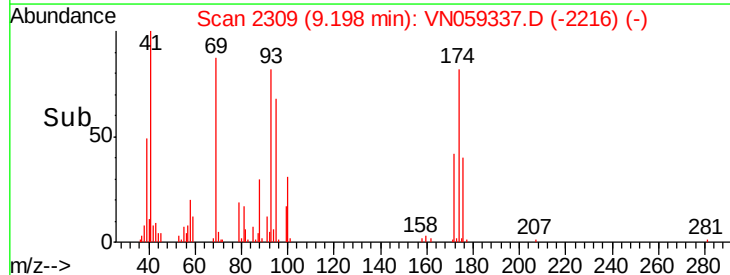
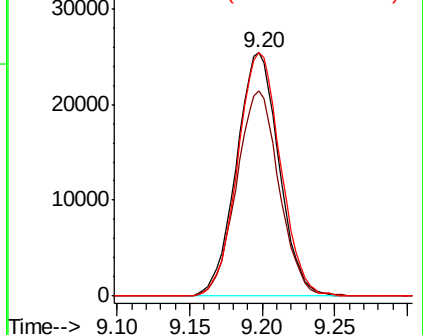
174 100.6 80.6 120.8

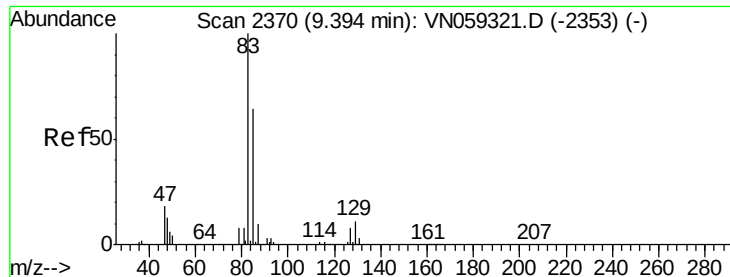


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V

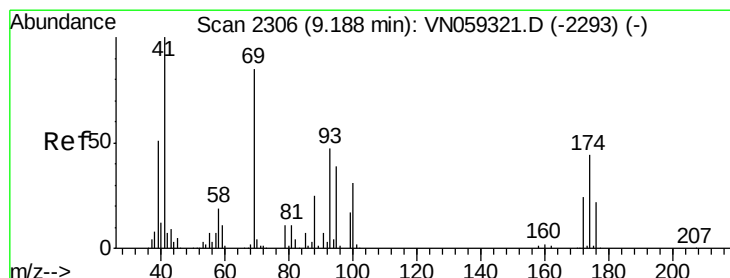
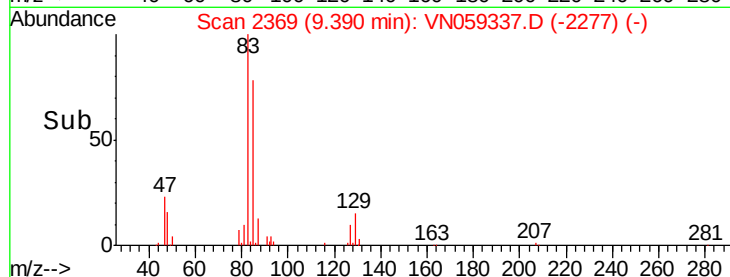
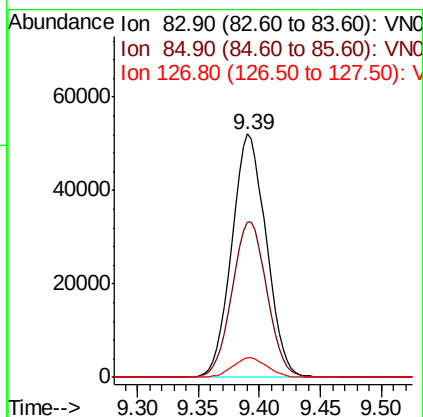
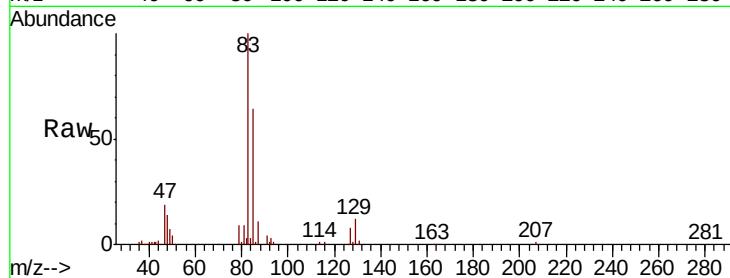




#47
Bromodichloromethane
Concen: 15.719 ug/l
RT: 9.39 min Scan# 2369
Delta R.T. -0.00 min
Lab File: VN059337.D
Acq: 21 Nov 2019 15:50

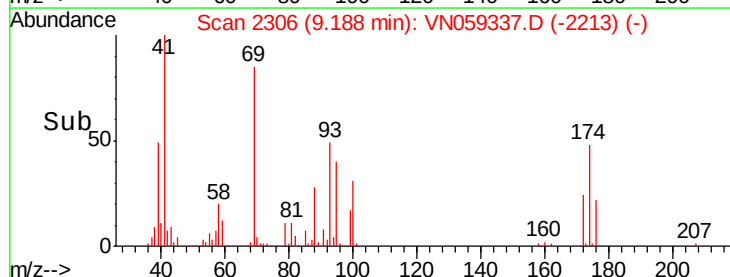
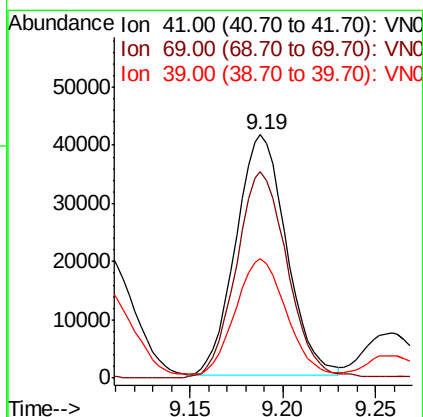
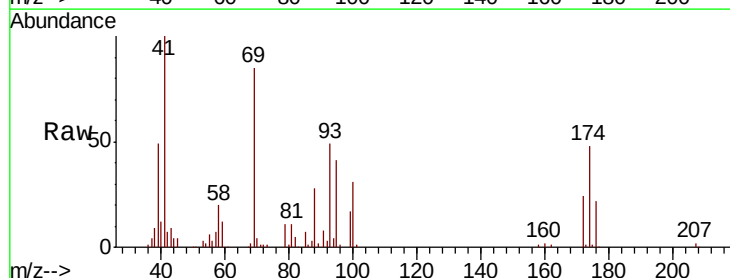
Instrument :
MSVOA_N
ClientSampleId :

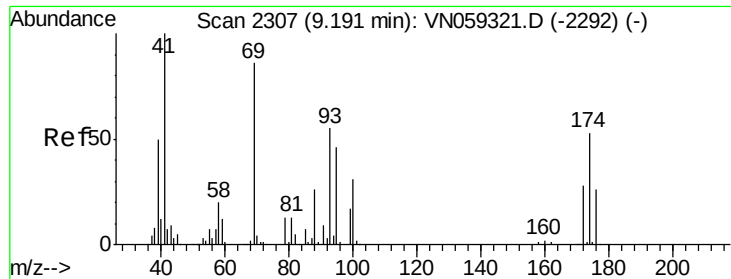
Tot Ion	83	Resp	102277
Ion	Ratio	Lower	Upper
83	100		
85	63.6	51.5	77.3
127	8.1	6.6	10.0



#48
Methyl methacrylate
Concen: 15.491 ug/l
RT: 9.19 min Scan# 2306
Delta R.T. 0.00 min
Lab File: VN059337.D
Acq: 21 Nov 2019 15:50

Tgt Ion	41	Resp	78306
Ion	Ratio	Lower	Upper
41	100		
69	87.5	68.8	103.2
39	50.3	42.1	63.1

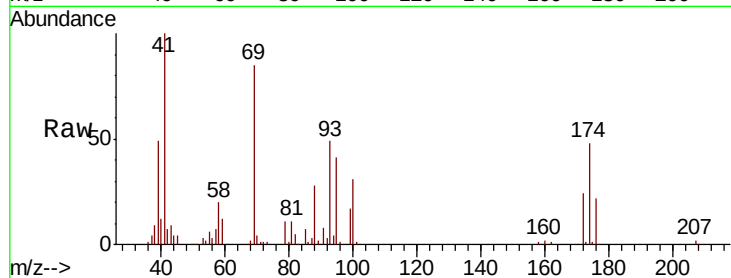




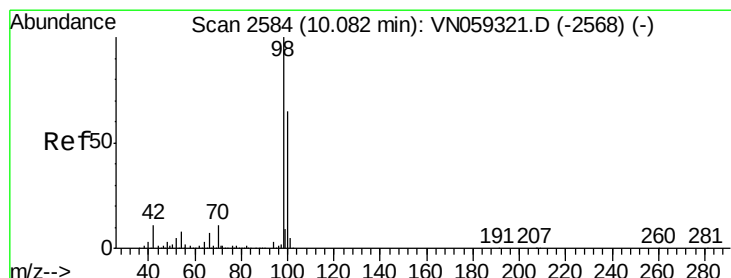
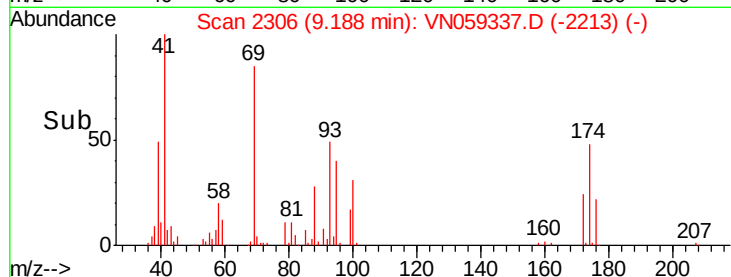
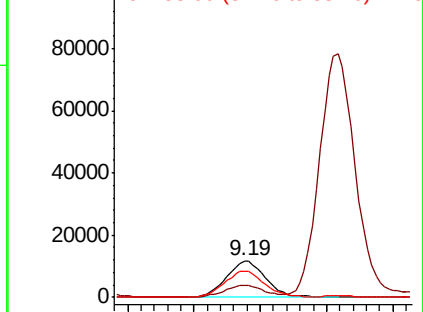
#49
1,4-Dioxane
Concen: 315.513 ug/l
RT: 9.19 min Scan# 2306
Delta R.T. -0.00 min
Lab File: VN059337.D
Acq: 21 Nov 2019 15:50

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 88 Resp: 23970
Ion Ratio Lower Upper
88 100
43 33.2 26.9 40.3
58 74.3 59.2 88.8

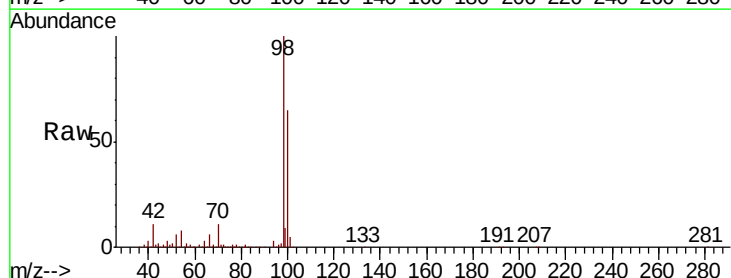


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

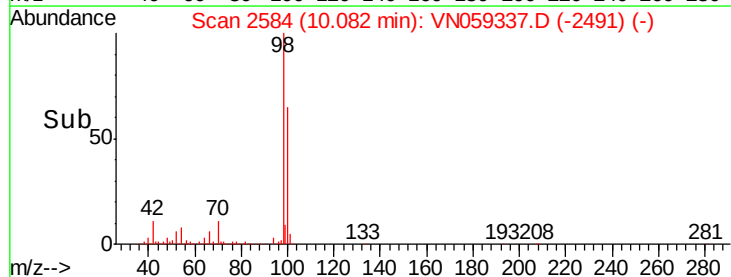
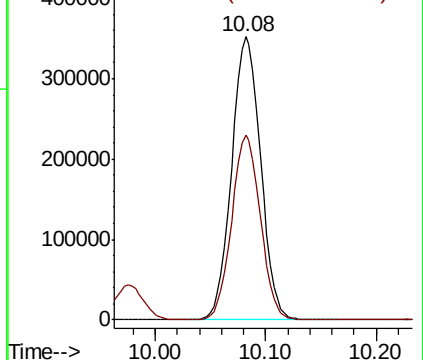


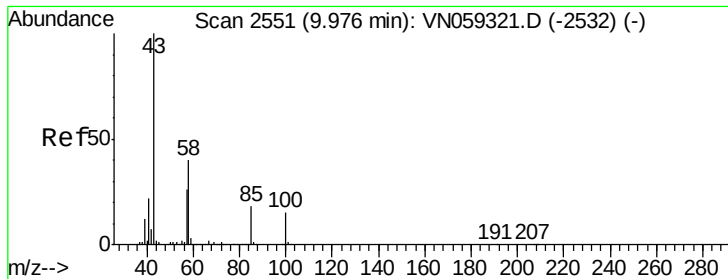
#50
Toluene-d8
Concen: 41.084 ug/l
RT: 10.08 min Scan# 2584
Delta R.T. 0.00 min
Lab File: VN059337.D
Acq: 21 Nov 2019 15:50

Tgt Ion: 98 Resp: 642366
Ion Ratio Lower Upper
98 100
100 64.4 51.7 77.5



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





#51

4-Methyl-2-Pentanone

Concen: 84.411 ug/l

RT: 9.98 min Scan# 2551

Delta R.T. 0.00 min

Lab File: VN059337.D

Acq: 21 Nov 2019 15:50

Instrument :

MSVOA_N

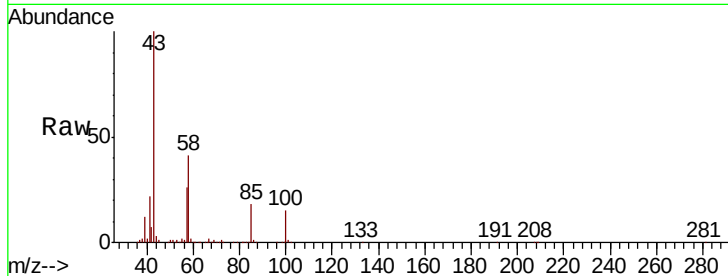
ClientSampled :

Tot Ion: 43 Resp: 549214

Ion Ratio Lower Upper

43 100

58 40.0 31.8 47.8



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

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

9.98

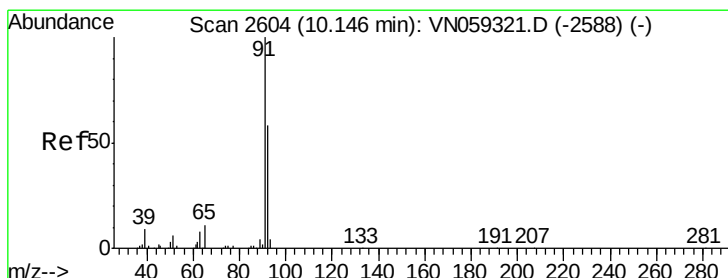
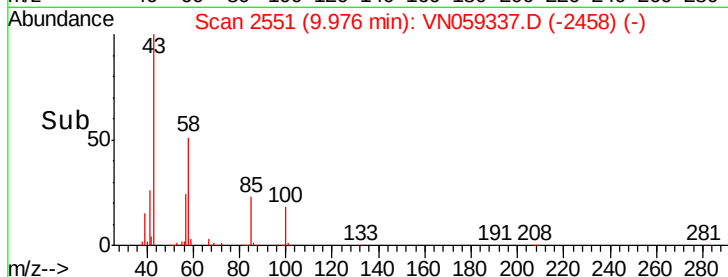
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 16.153 ug/l

RT: 10.15 min Scan# 2604

Delta R.T. 0.00 min

Lab File: VN059337.D

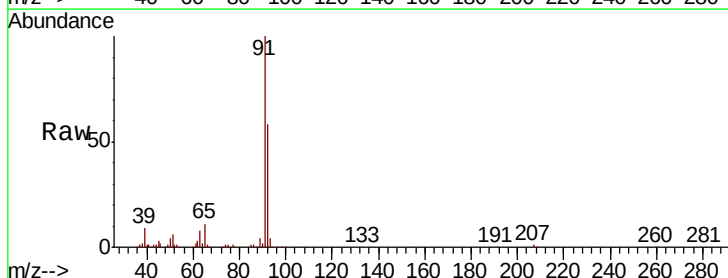
Acq: 21 Nov 2019 15:50

Tgt Ion: 92 Resp: 192929

Ion Ratio Lower Upper

92 100

91 173.4 137.9 206.9



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

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

10.15

200000

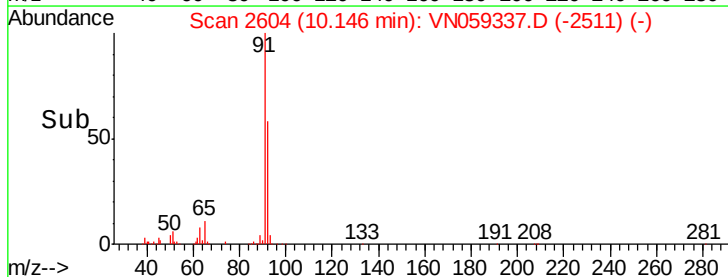
150000

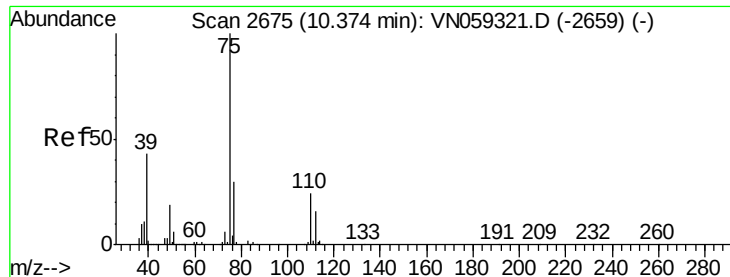
100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 15.826 ug/l

RT: 10.37 min Scan# 2675

Delta R.T. 0.00 min

Lab File: VN059337.D

Acq: 21 Nov 2019 15:50

Instrument :

MSVOA_N

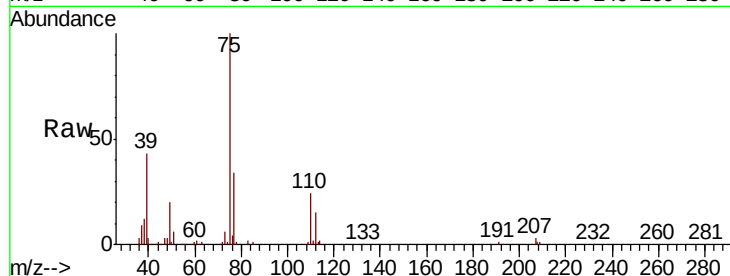
ClientSampleId :

Tot Ion: 75 Resp: 119706

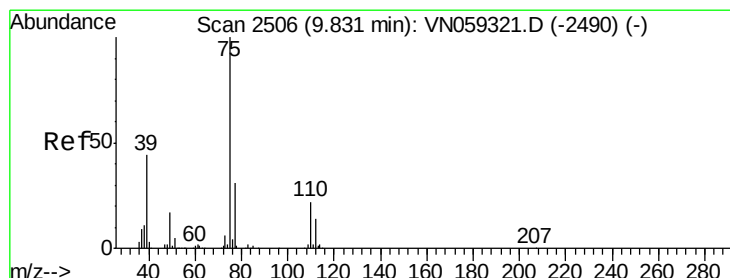
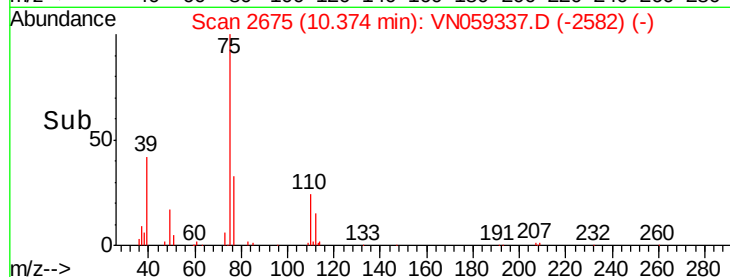
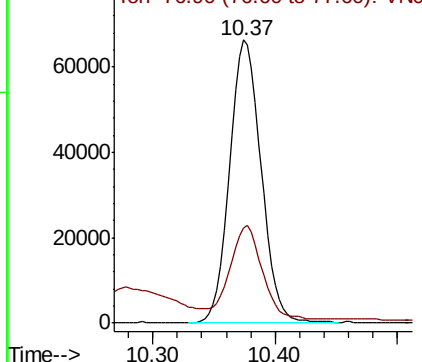
Ion Ratio Lower Upper

75 100

77 32.2 25.5 38.3



Abundance Ion 74.90 (74.60 to 75.60): VNO
Ion 76.90 (76.60 to 77.60): VNO



#54

cis-1,3-Dichloropropene

Concen: 16.143 ug/l

RT: 9.83 min Scan# 2506

Delta R.T. 0.00 min

Lab File: VN059337.D

Acq: 21 Nov 2019 15:50

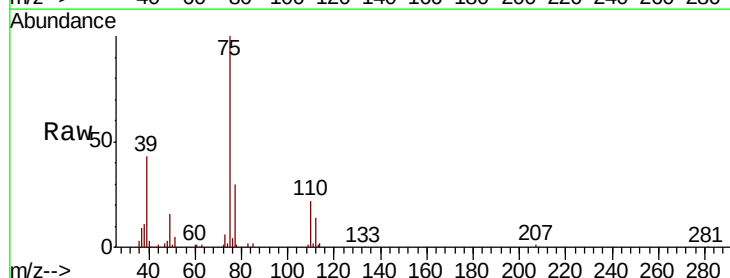
Tgt Ion: 75 Resp: 132494

Ion Ratio Lower Upper

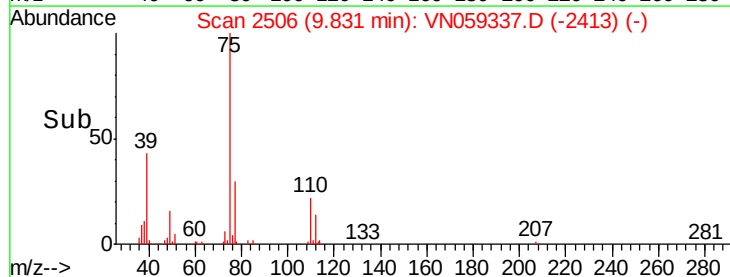
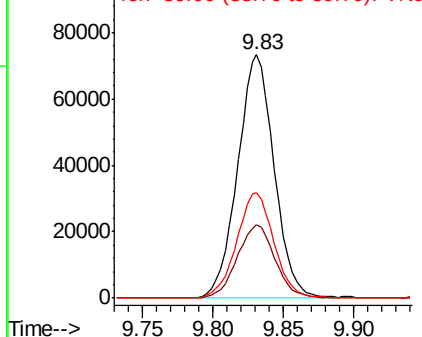
75 100

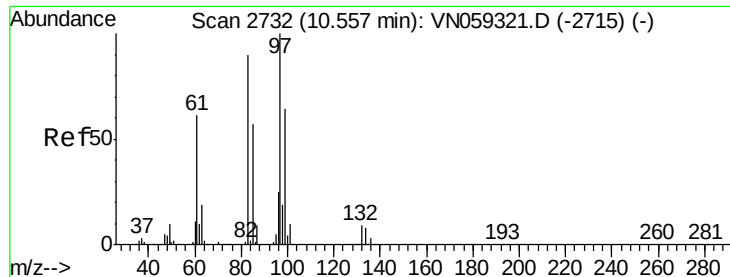
77 30.0 25.0 37.4

39 43.2 35.5 53.3



Abundance Ion 74.90 (74.60 to 75.60): VNO
Ion 76.90 (76.60 to 77.60): VNO
Ion 39.00 (38.70 to 39.70): VNO





#55

1,1,2-Trichloroethane

Concen: 16.052 ug/l

RT: 10.56 min Scan# 2732

Delta R.T. 0.00 min

Lab File: VN059337.D

Acq: 21 Nov 2019 15:50

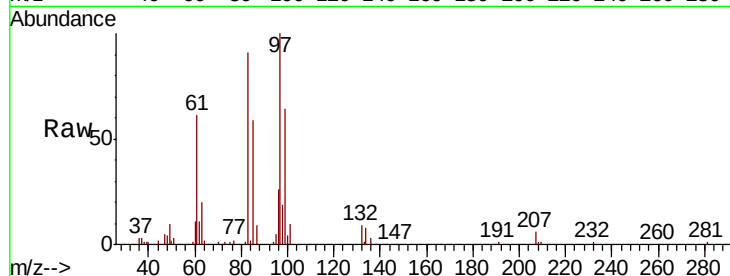
Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 97 Resp: 74544

Ion	Ratio	Lower	Upper
97	100		
83	90.9	72.0	108.0
85	59.4	45.8	68.6
99	64.1	51.0	76.4



Abundance

Ion 96.90 (96.60 to 97.60): VN0

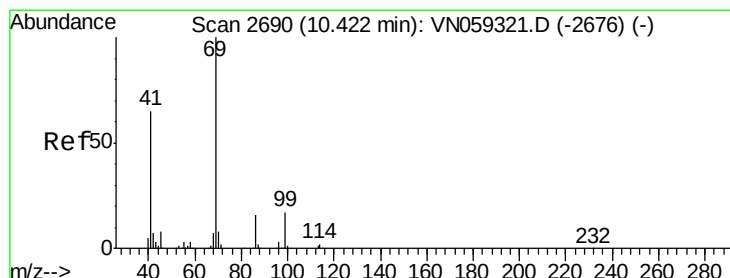
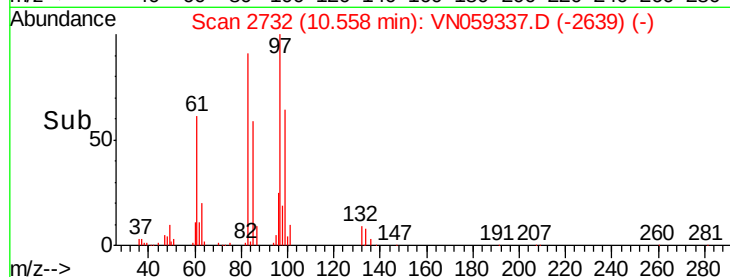
Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

10.56

Time-->



#56

Ethyl methacrylate

Concen: 15.871 ug/l

RT: 10.42 min Scan# 2690

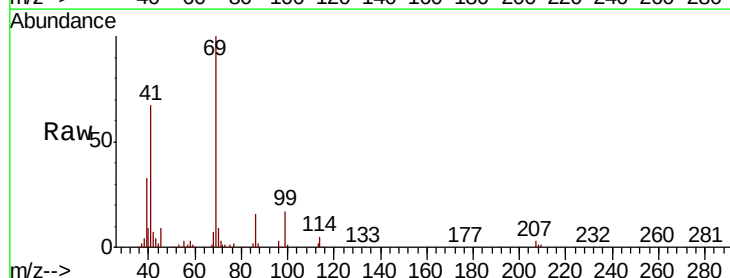
Delta R.T. 0.00 min

Lab File: VN059337.D

Acq: 21 Nov 2019 15:50

Tgt Ion: 69 Resp: 112195

Ion	Ratio	Lower	Upper
69	100		
41	63.7	51.7	77.5
39	31.0	25.2	37.8



Abundance

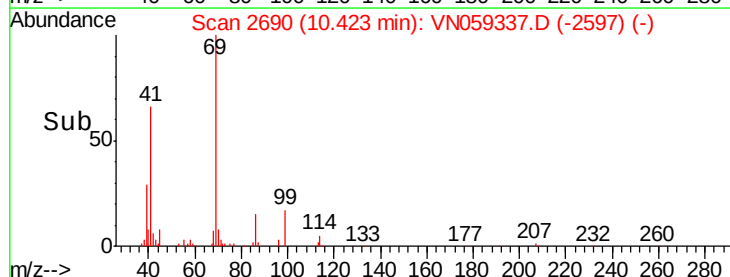
Ion 69.00 (68.70 to 69.70): VN0

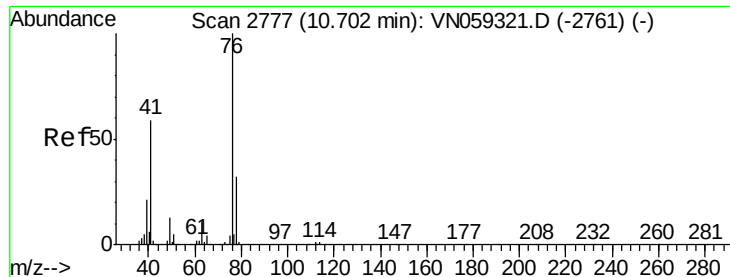
Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

10.42

Time-->





#57

1,3-Dichloropropane

Concen: 16.165 ug/l

RT: 10.70 min Scan# 2777

Delta R.T. 0.00 min

Lab File: VN059337.D

Acq: 21 Nov 2019 15:50

Instrument :

MSVOA_N

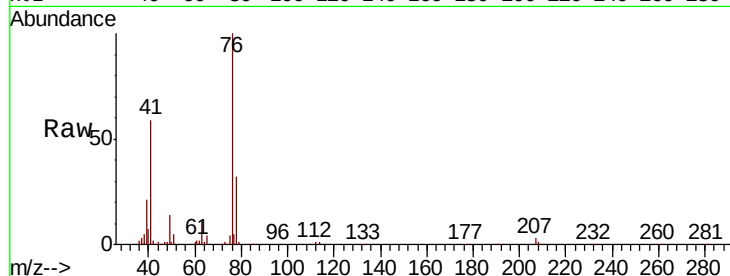
ClientSampled :

Tot Ion: 76 Resp: 130831

Ion Ratio Lower Upper

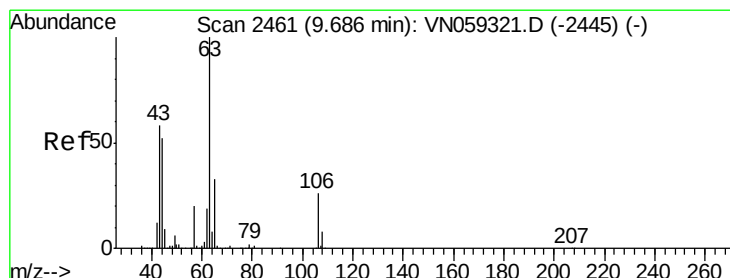
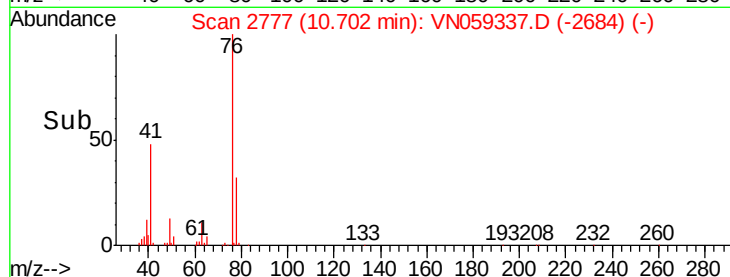
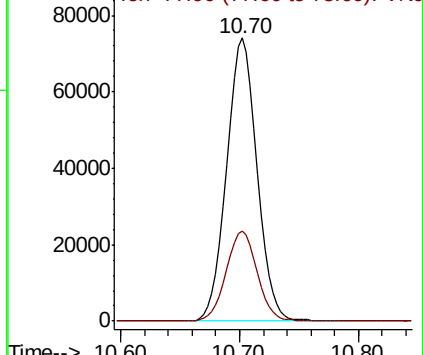
76 100

78 32.4 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: 94.425 ug/l

RT: 9.69 min Scan# 2461

Delta R.T. 0.00 min

Lab File: VN059337.D

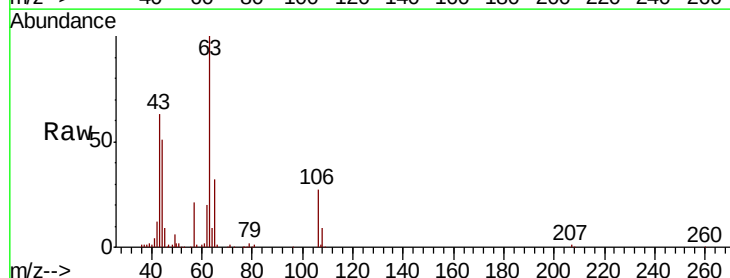
Acq: 21 Nov 2019 15:50

Tgt Ion: 63 Resp: 226918

Ion Ratio Lower Upper

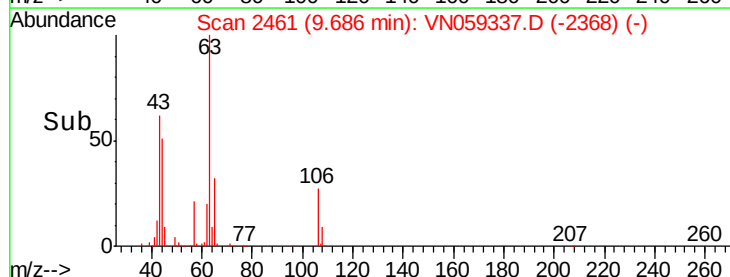
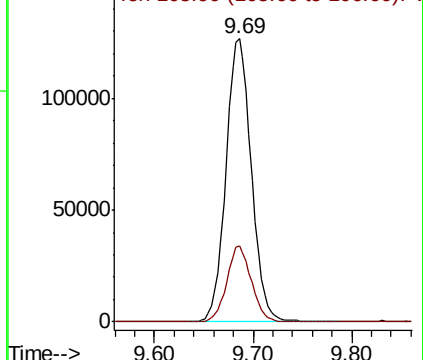
63 100

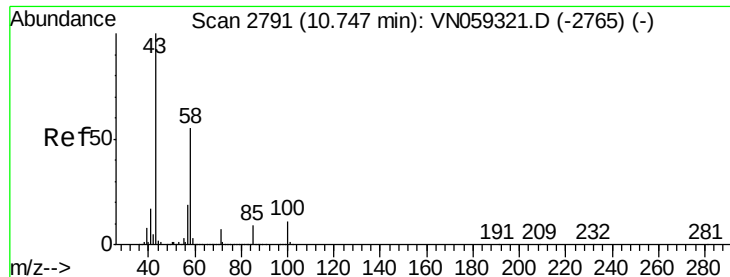
106 26.0 20.5 30.7



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

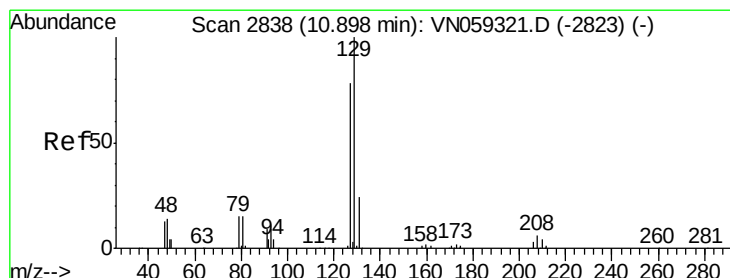
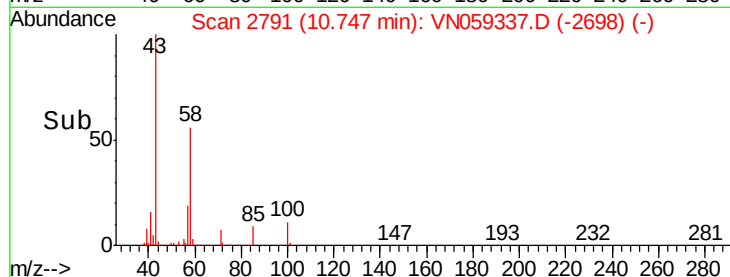
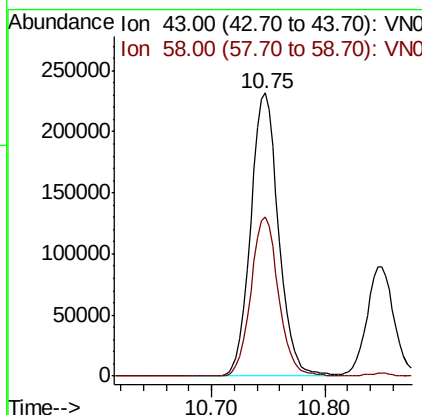
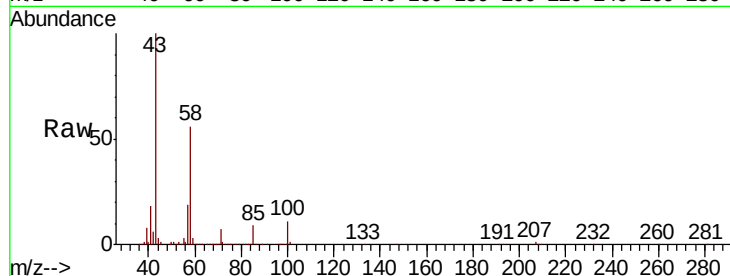




#59
2-Hexanone
Concen: 83.269 ug/l
RT: 10.75 min Scan# 2791
Delta R.T. 0.00 min
Lab File: VN059337.D
Acq: 21 Nov 2019 15:50

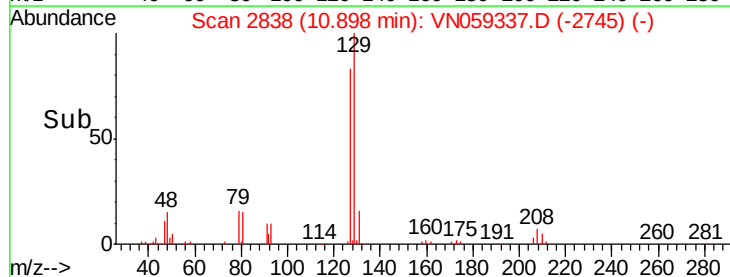
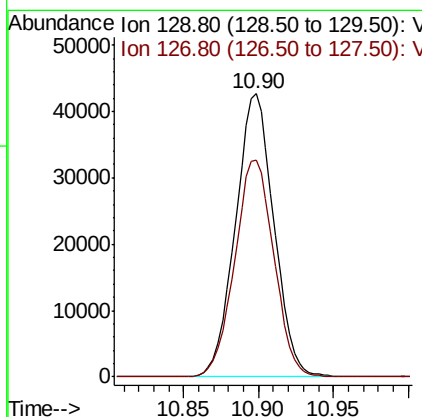
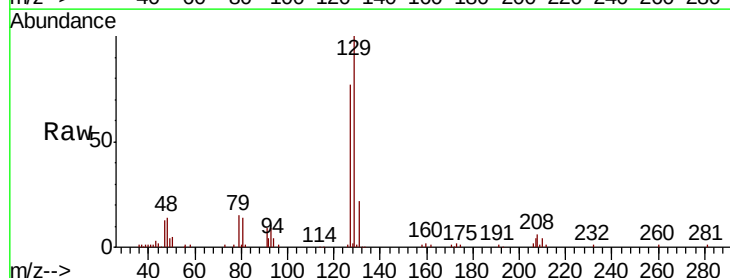
Instrument :
MSVOA_N
ClientSampled :

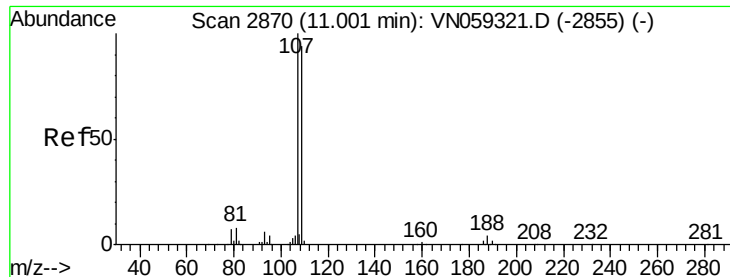
Tot Ion: 43 Resp: 396717
Ion Ratio Lower Upper
43 100
58 55.6 27.7 83.0



#60
Dibromochloromethane
Concen: 15.570 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. 0.00 min
Lab File: VN059337.D
Acq: 21 Nov 2019 15:50

Tgt Ion: 129 Resp: 76193
Ion Ratio Lower Upper
129 100
127 78.1 38.5 115.5





#61

1,2-Dibromoethane

Concen: 15.861 ug/l

RT: 11.00 min Scan# 2870

Delta R.T. 0.00 min

Lab File: VN059337.D

Acq: 21 Nov 2019 15:50

Instrument :

MSVOA_N

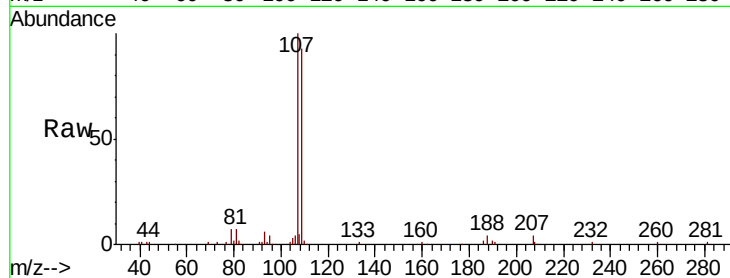
ClientSampleId :

Tot Ion:107 Resp: 76639

Ion Ratio Lower Upper

107 100

109 95.1 75.4 113.2



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.00

40000

30000

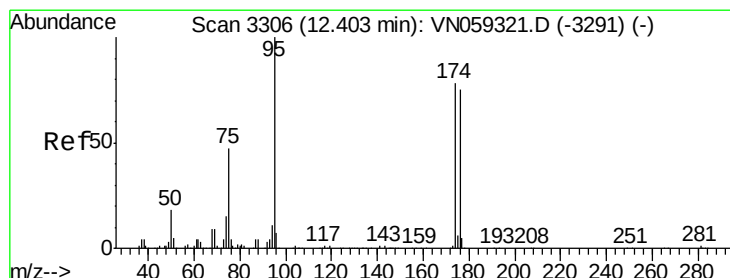
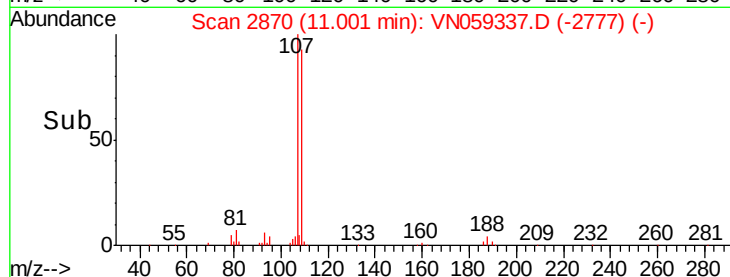
20000

10000

0

Time-->

10.95 11.00 11.05 11.10



#62

4-Bromofluorobenzene

Concen: 40.811 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN059337.D

Acq: 21 Nov 2019 15:50

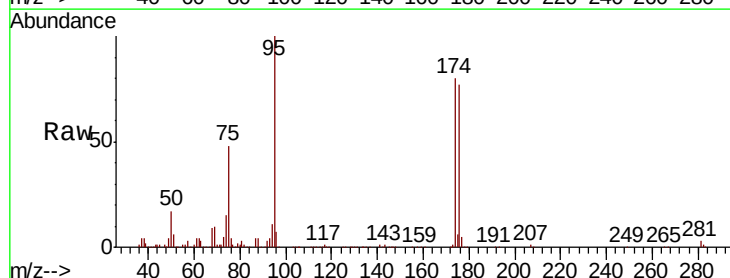
Tgt Ion: 95 Resp: 223118

Ion Ratio Lower Upper

95 100

174 78.3 0.0 157.4

176 75.6 0.0 151.2



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

12.40

150000

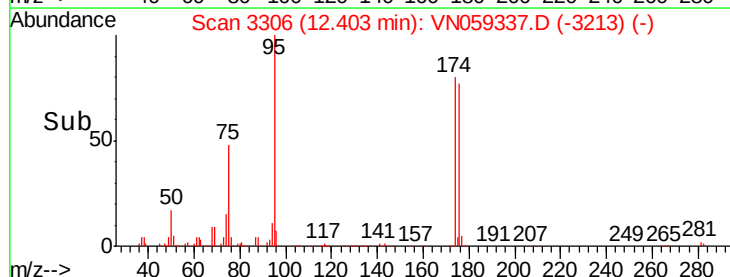
100000

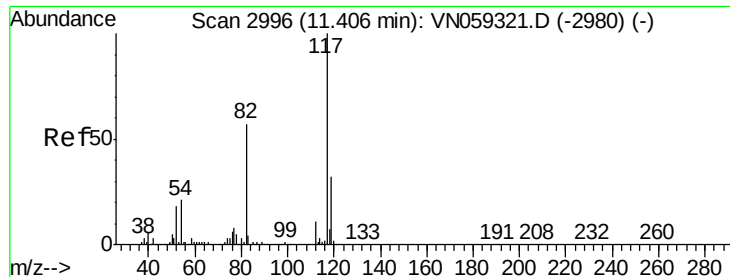
50000

0

Time-->

12.35 12.40 12.45





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2995

Delta R.T. -0.00 min

Lab File: VN059337.D

Acq: 21 Nov 2019 15:50

Instrument :

MSVOA_N

ClientSampled :

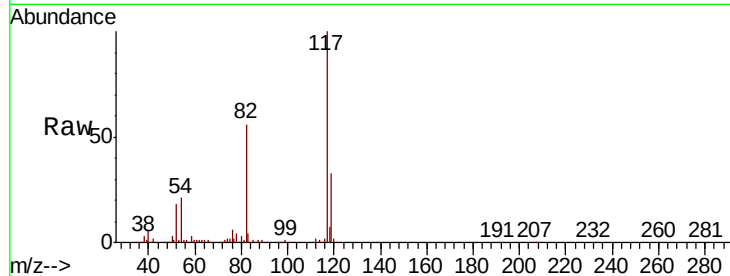
Tot Ion:117 Resp: 580617

Ion Ratio Lower Upper

117 100

82 56.4 45.7 68.5

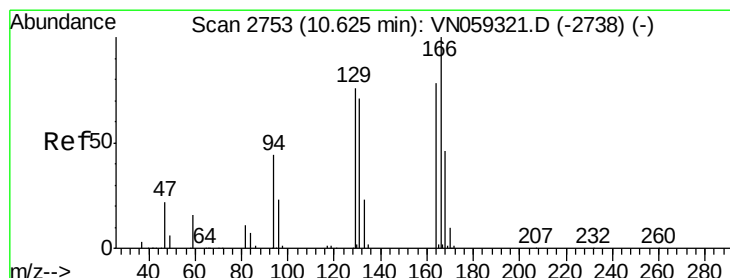
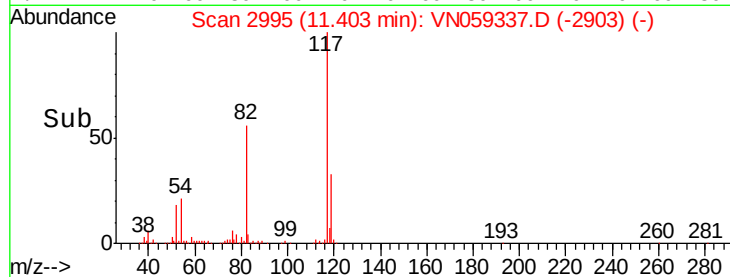
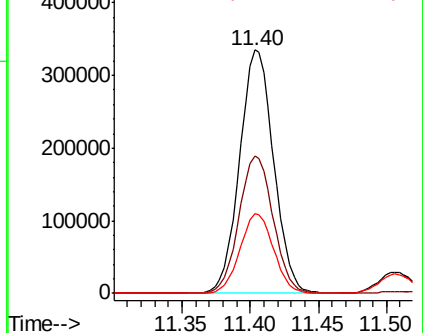
119 32.6 25.8 38.6



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VN

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 15.749 ug/l

RT: 10.63 min Scan# 2753

Delta R.T. 0.00 min

Lab File: VN059337.D

Acq: 21 Nov 2019 15:50

Tgt Ion:164 Resp: 70720

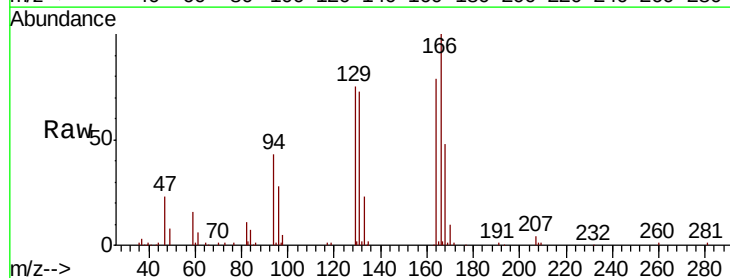
Ion Ratio Lower Upper

164 100

166 126.8 102.9 154.3

129 95.0 78.2 117.2

131 92.4 72.6 109.0

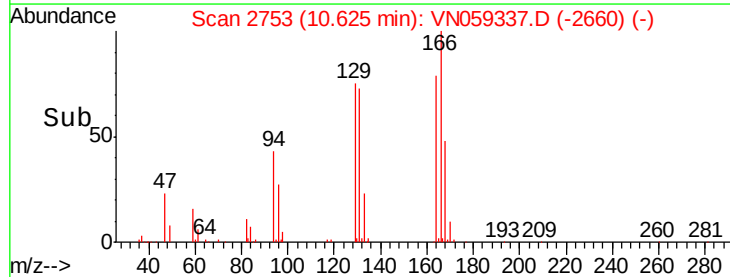
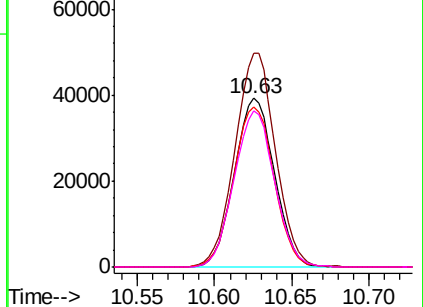


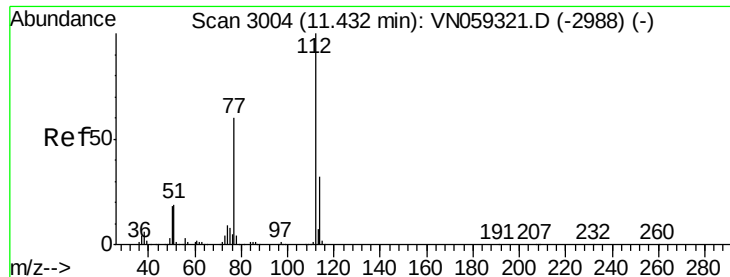
Abundance Ion 163.80 (163.50 to 164.50): V

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

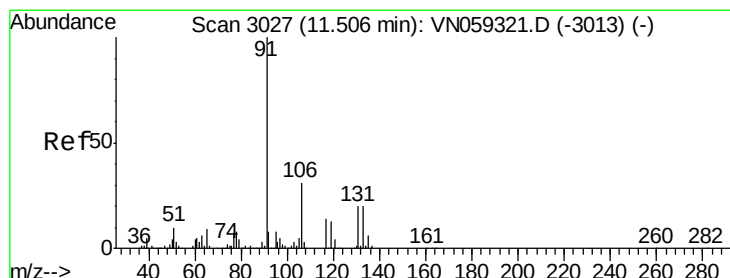
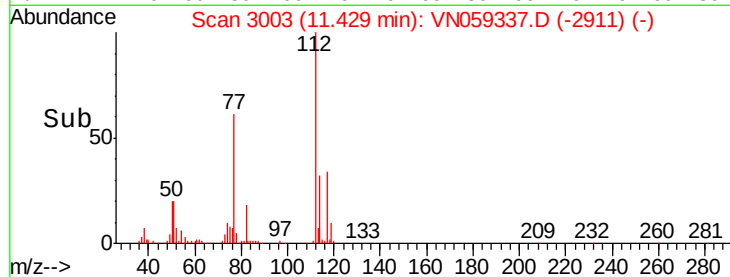
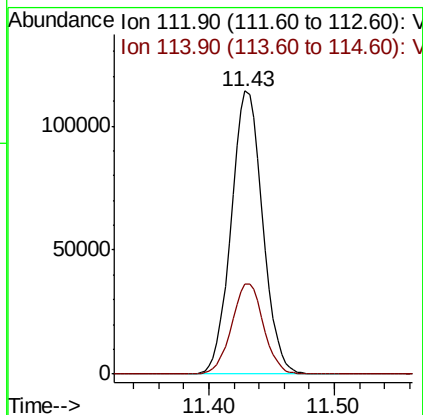
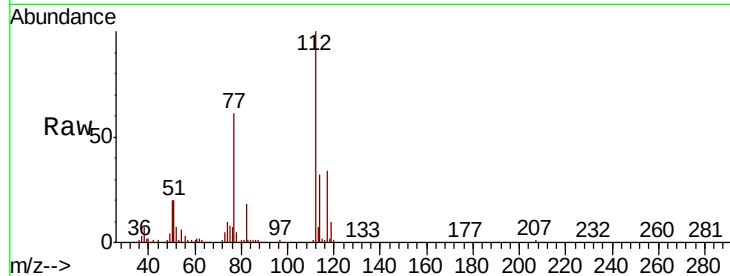




#65
Chlorobenzene
Concen: 15.917 ug/l
RT: 11.43 min Scan# 3003
Delta R.T. -0.00 min
Lab File: VN059337.D
Acq: 21 Nov 2019 15:50

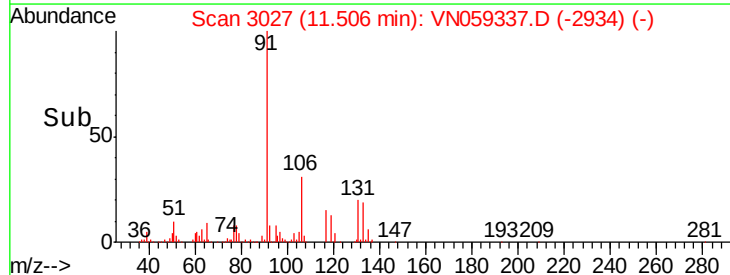
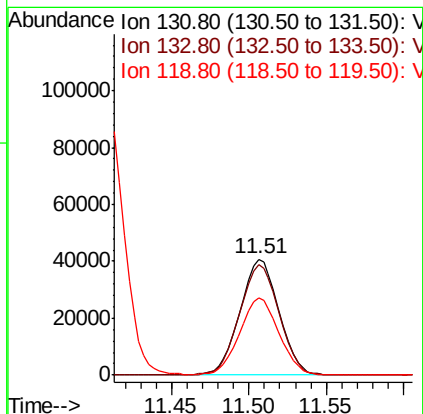
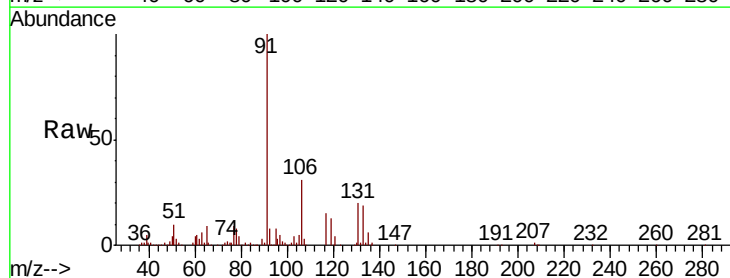
Instrument :
MSVOA_N
ClientSampled :

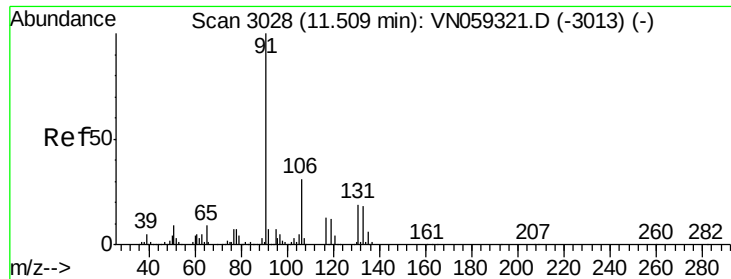
Tot Ion:112 Resp: 198711
Ion Ratio Lower Upper
112 100
114 31.7 25.8 38.6



#66
1,1,1,2-Tetrachloroethane
Concen: 15.744 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. 0.00 min
Lab File: VN059337.D
Acq: 21 Nov 2019 15:50

Tgt Ion:131 Resp: 71404
Ion Ratio Lower Upper
131 100
133 95.7 48.2 144.6
119 67.3 33.6 100.6

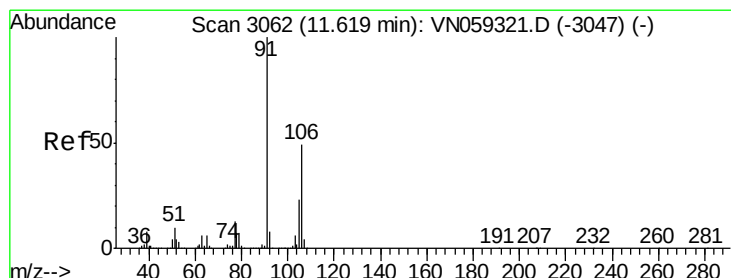
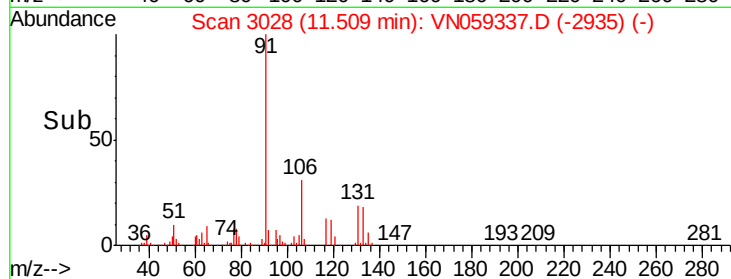
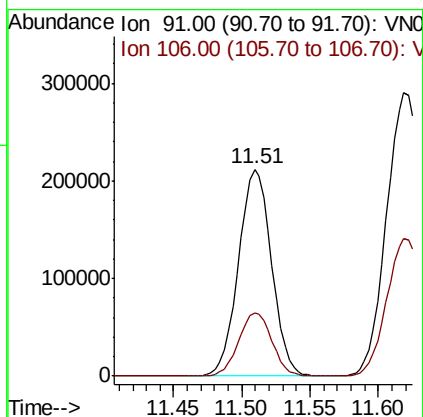
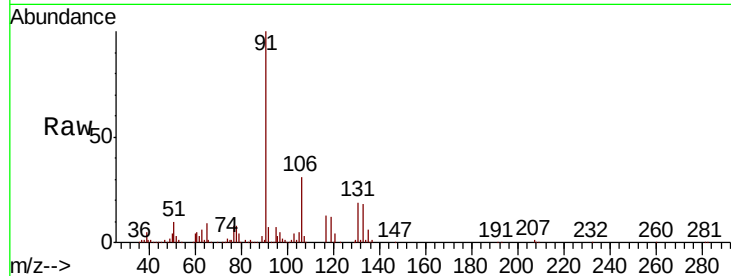




#67
Ethyl Benzene
Concen: 16.020 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN059337.D
Acq: 21 Nov 2019 15:50

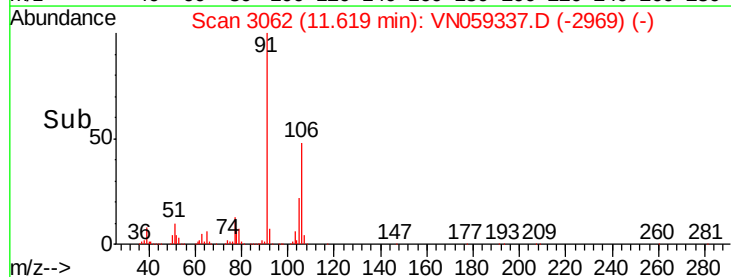
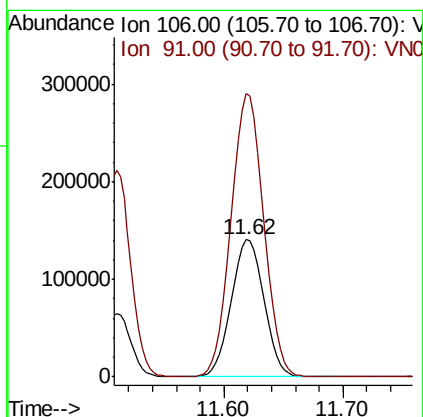
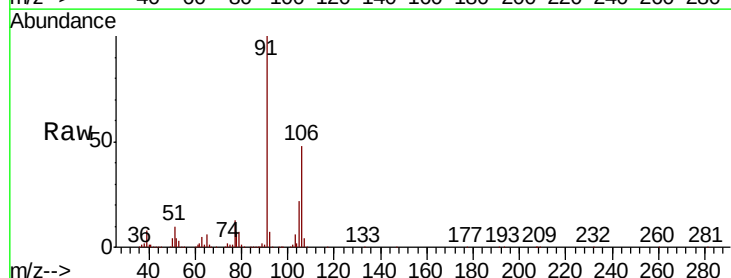
Instrument :
MSVOA_N
ClientSampled :

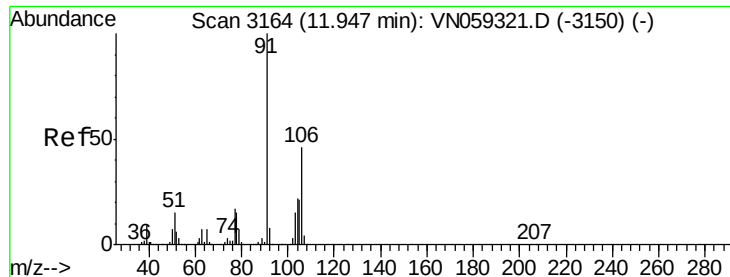
Tot Ion: 91 Resp: 357101
Ion Ratio Lower Upper
91 100
106 30.7 24.6 37.0



#68
m/p-Xylenes
Concen: 32.451 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN059337.D
Acq: 21 Nov 2019 15:50

Tgt Ion: 106 Resp: 268788
Ion Ratio Lower Upper
106 100
91 204.7 163.2 244.8

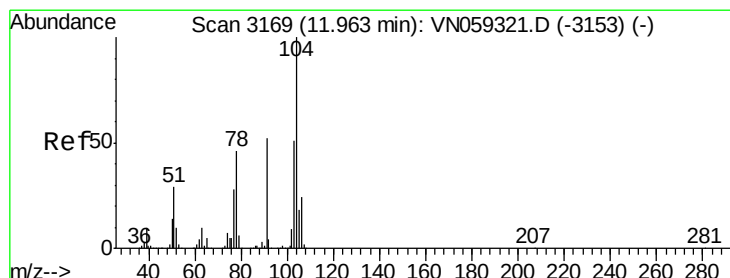
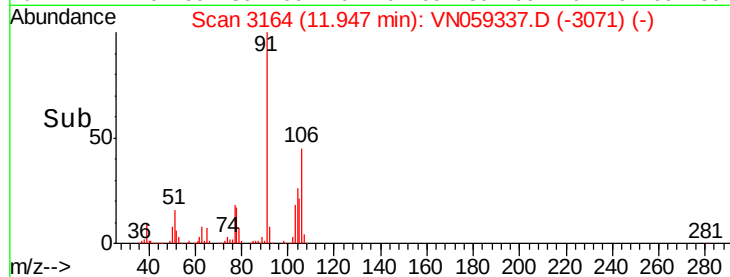
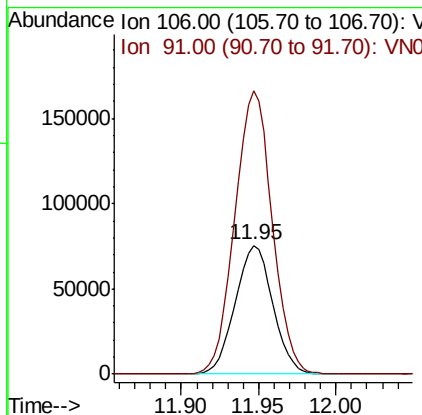
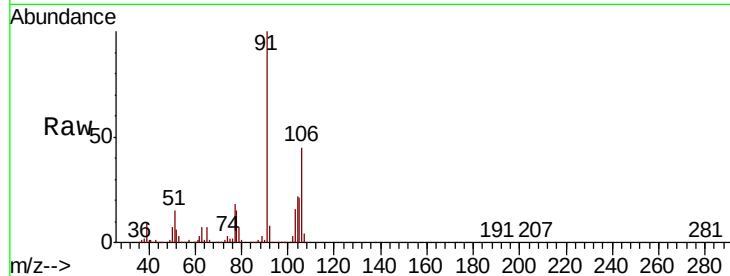




#69
o-Xylene
Concen: 16.070 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN059337.D
Acq: 21 Nov 2019 15:50

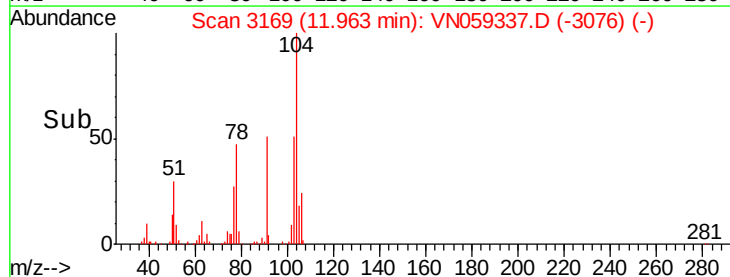
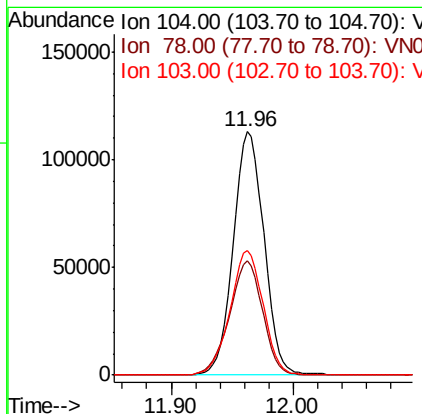
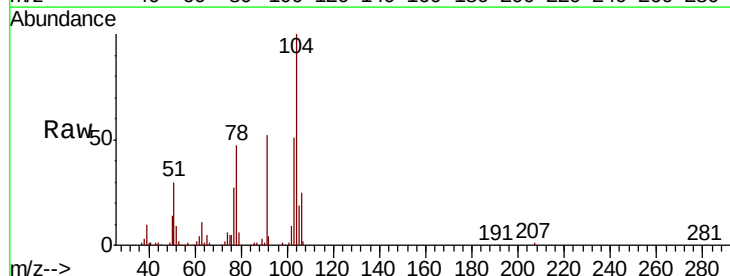
Instrument :
MSVOA_N
ClientSampleId :

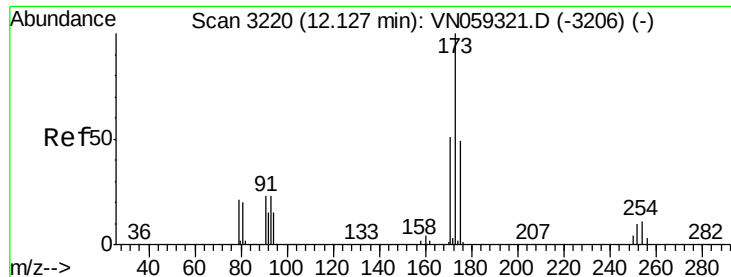
Tot Ion:106 Resp: 127433
Ion Ratio Lower Upper
106 100
91 219.0 109.3 327.9



#70
Styrene
Concen: 15.783 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN059337.D
Acq: 21 Nov 2019 15:50

Tgt Ion:104 Resp: 197477
Ion Ratio Lower Upper
104 100
78 50.7 40.3 60.5
103 55.3 43.6 65.4





#71

Bromoform

Concen: 15.774 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN059337.D

Acq: 21 Nov 2019 15:50

Instrument :

MSVOA_N

ClientSampleId :

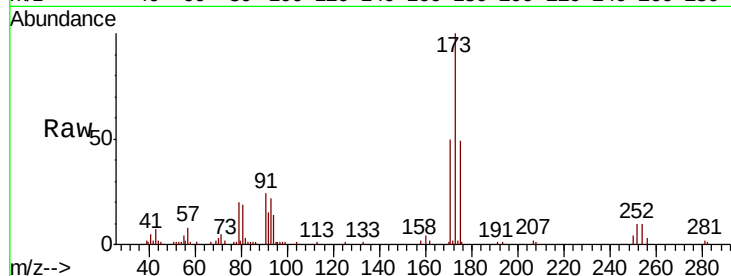
Tot Ion:173 Resp: 54180

Ion Ratio Lower Upper

173 100

175 49.3 24.6 73.6

254 0.0 0.1 0.1#

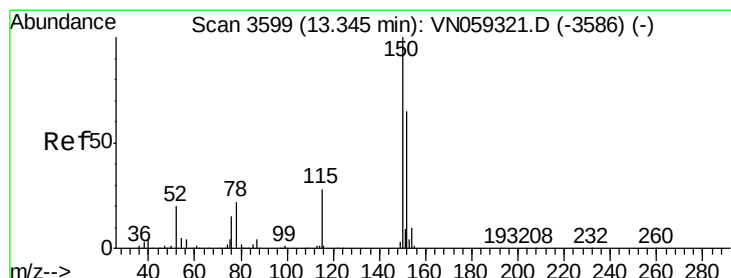
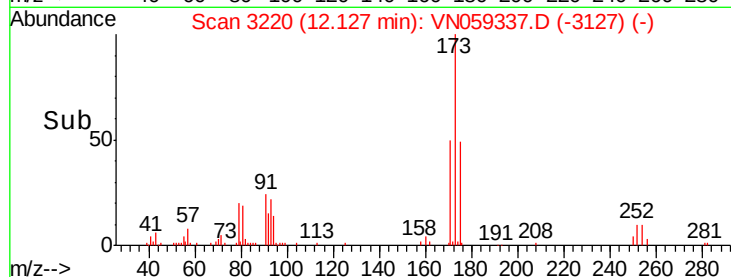
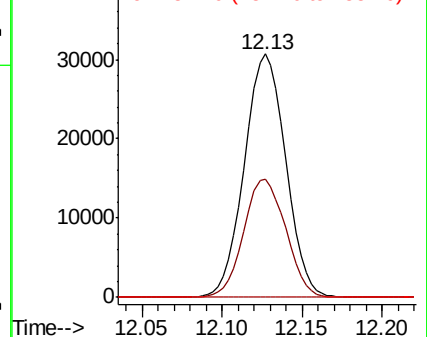


Abundance

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: VN059337.D

Acq: 21 Nov 2019 15:50

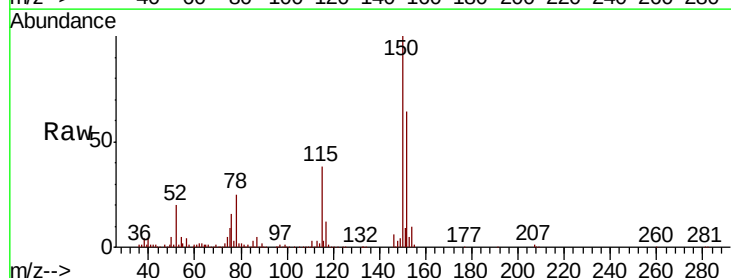
Tgt Ion:152 Resp: 260807

Ion Ratio Lower Upper

152 100

115 58.8 29.3 88.0

150 161.8 0.0 346.0

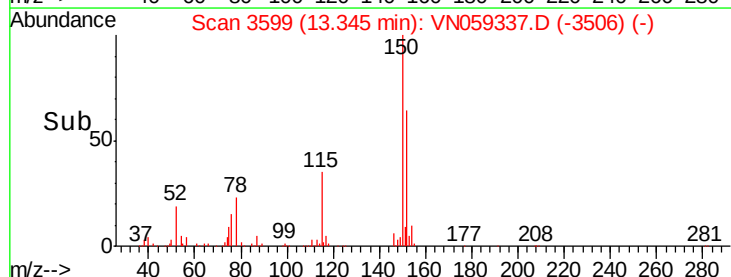
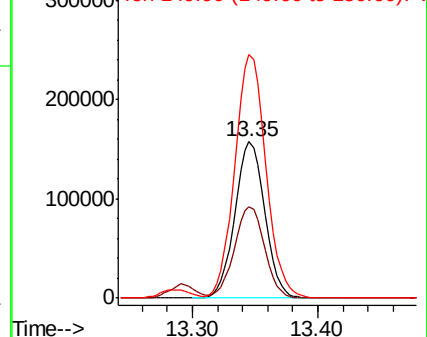


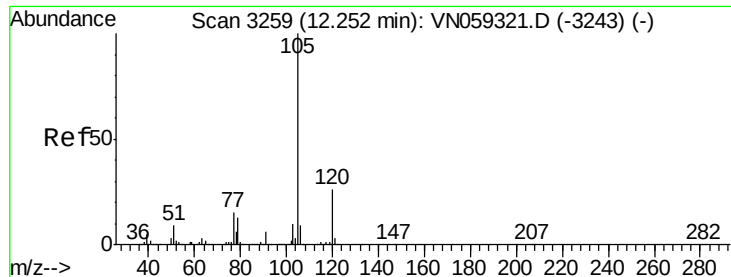
Abundance

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: 16.199 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN059337.D

Acq: 21 Nov 2019 15:50

Instrument :

MSVOA_N

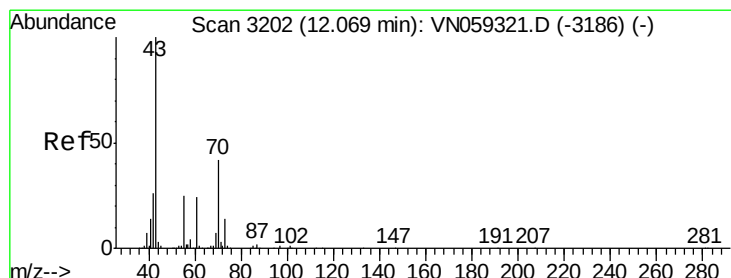
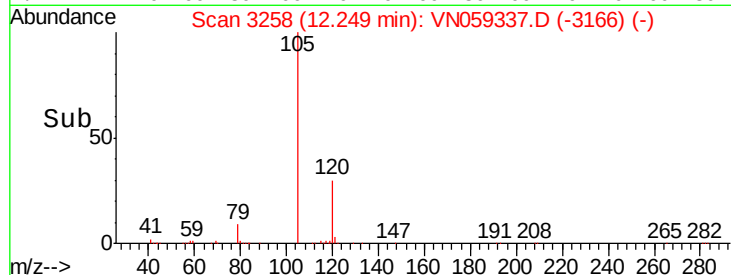
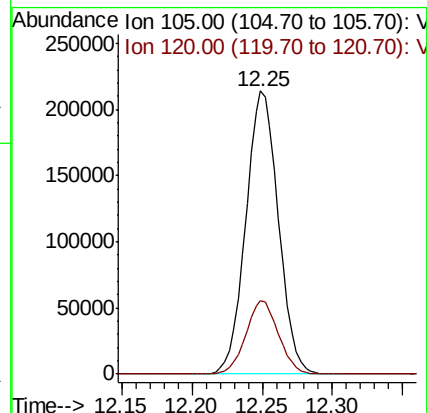
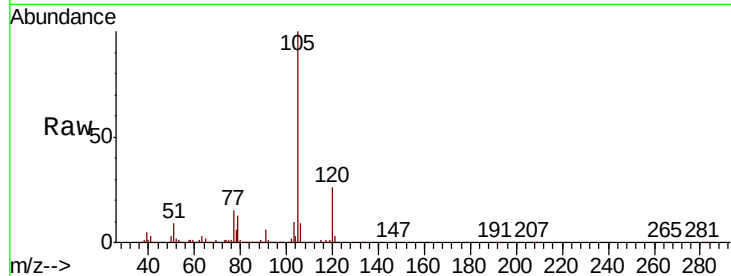
ClientSampled :

Tot Ion:105 Resp: 346084

Ion Ratio Lower Upper

105 100

120 25.9 13.1 39.3



#74

N-ethyl acetate

Concen: 15.869 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN059337.D

Acq: 21 Nov 2019 15:50

Tgt Ion: 43 Resp: 136255

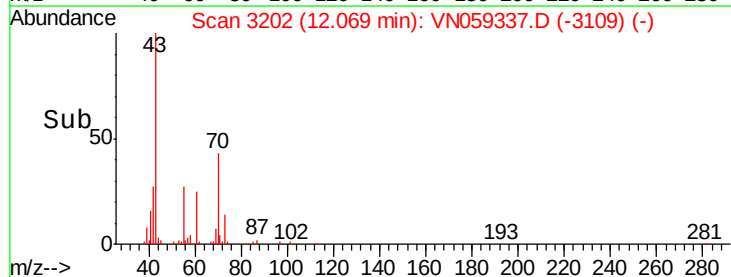
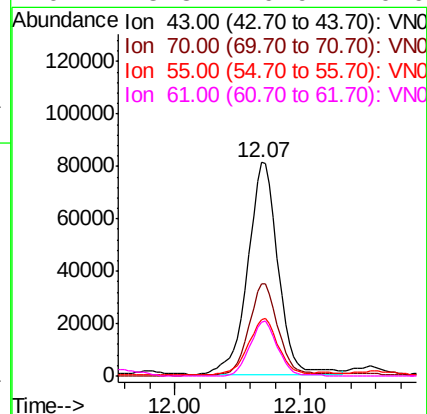
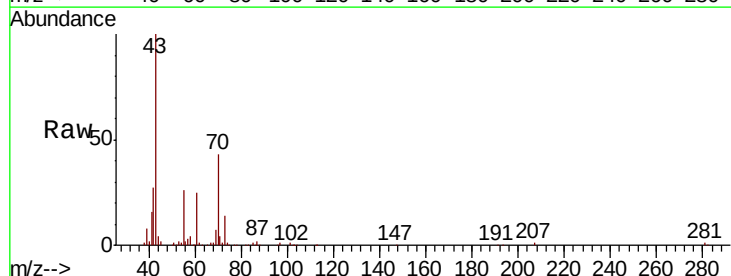
Ion Ratio Lower Upper

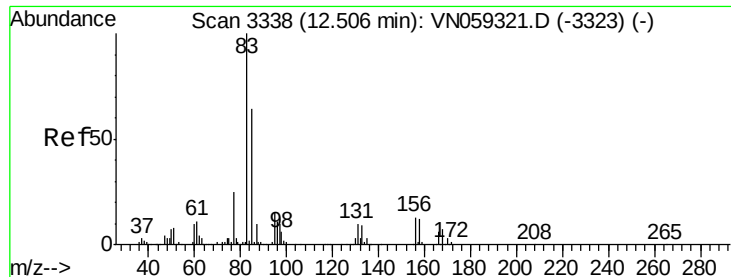
43 100

70 41.6 33.8 50.6

55 25.7 20.3 30.5

61 23.8 19.9 29.9





#75

1,1,2,2-Tetrachloroethane

Concen: 15.965 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN059337.D

Acq: 21 Nov 2019 15:50

Instrument :

MSVOA_N

ClientSampleId :

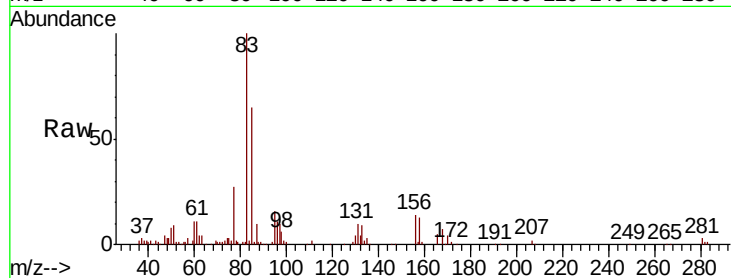
Tot Ion: 83 Resp: 112835

Ion Ratio Lower Upper

83 100

131 9.9 5.0 14.9

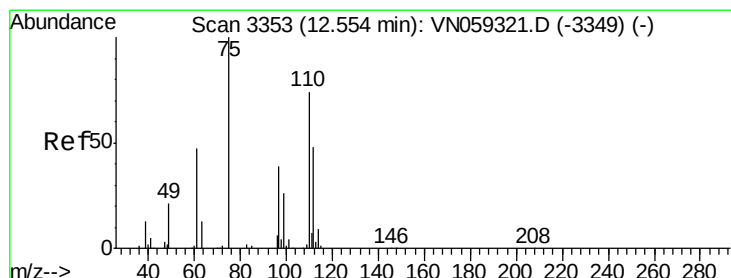
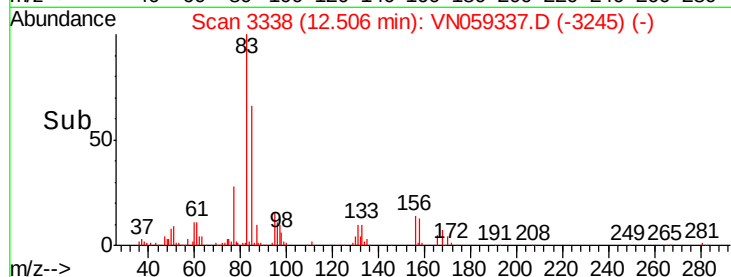
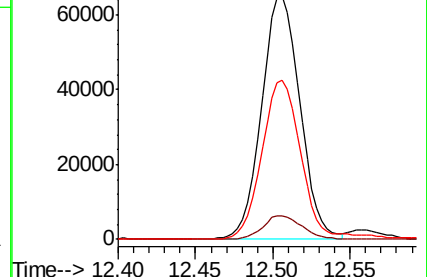
85 67.1 32.1 96.3



Abundance Ion 82.90 (82.60 to 83.60): VN059337.D (-3245) (-)

Ion 130.80 (130.50 to 131.50): VN059337.D (-3245) (-)

Ion 84.90 (84.60 to 85.60): VN059337.D (-3245) (-)



#76

1,2,3-Trichloropropane

Concen: 24.639 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN059337.D

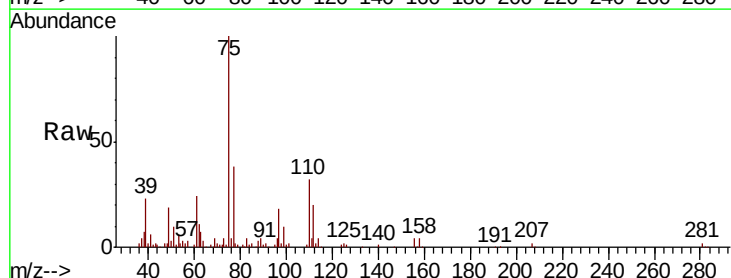
Acq: 21 Nov 2019 15:50

Tgt Ion: 75 Resp: 148460

Ion Ratio Lower Upper

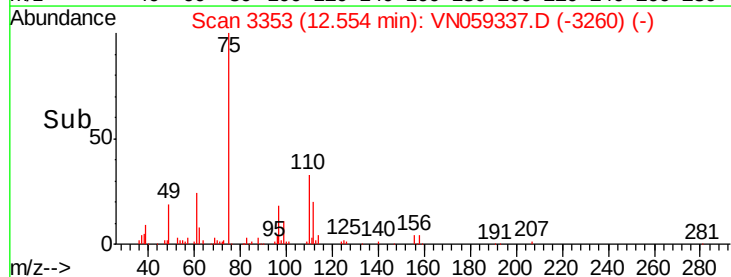
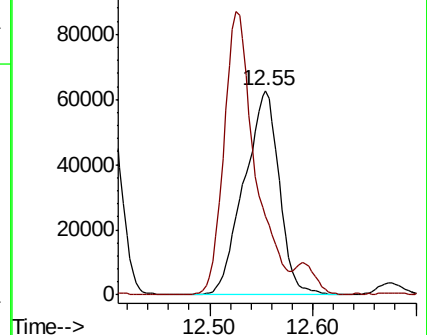
75 100

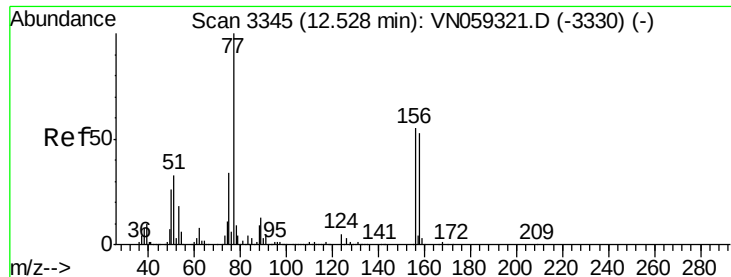
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN059337.D (-3260) (-)

Ion 77.00 (76.70 to 77.70): VN059337.D (-3260) (-)





#77

Bromobenzene

Concen: 15.893 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN059337.D

Acq: 21 Nov 2019 15:50

Instrument :

MSVOA_N

ClientSampleId :

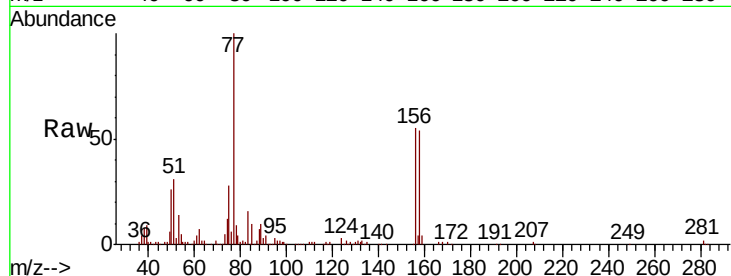
Tot Ion:156 Resp: 82361

Ion Ratio Lower Upper

156 100

77 220.5 111.1 333.4

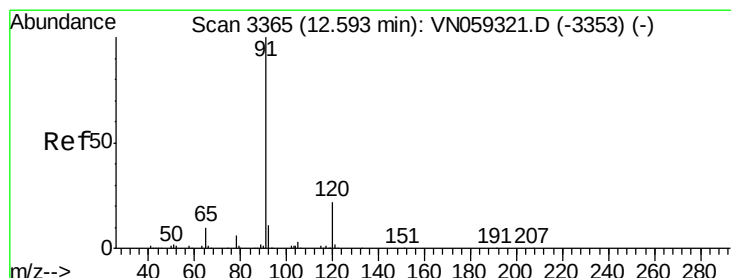
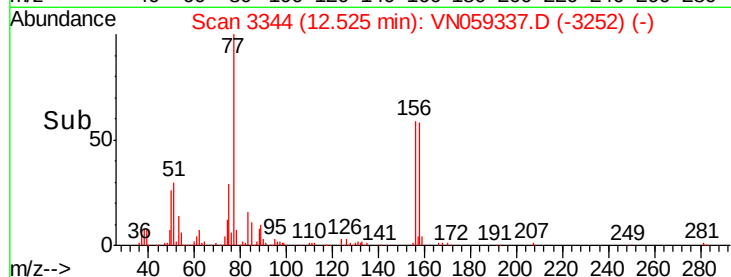
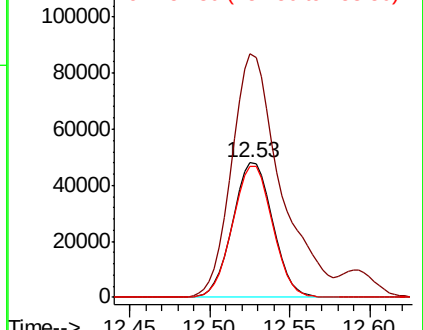
158 97.2 47.8 143.4



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: 16.191 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN059337.D

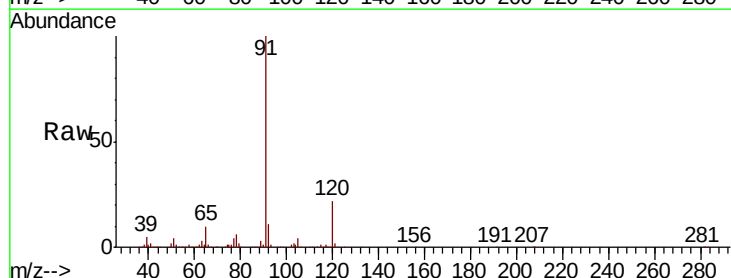
Acq: 21 Nov 2019 15:50

Tgt Ion: 91 Resp: 391830

Ion Ratio Lower Upper

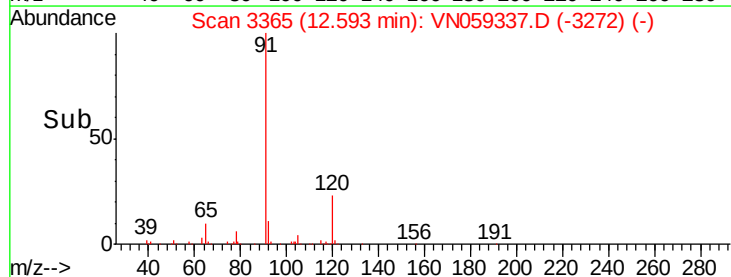
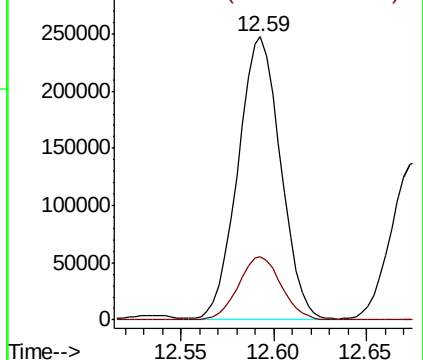
91 100

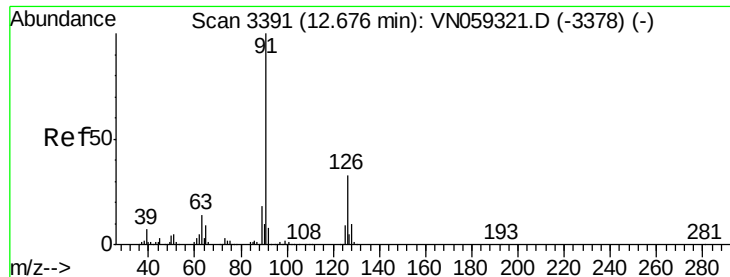
120 22.6 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 15.657 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN059337.D

Acq: 21 Nov 2019 15:50

Instrument :

MSVOA_N

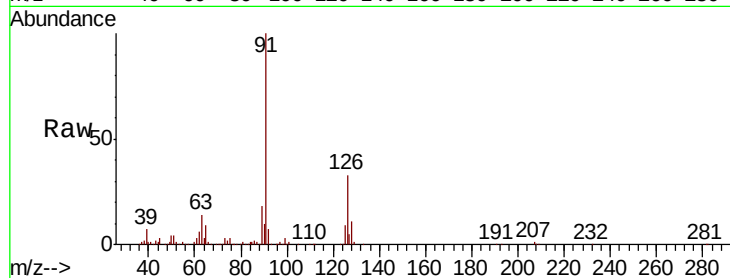
ClientSampleId :

Tot Ion: 91 Resp: 232584

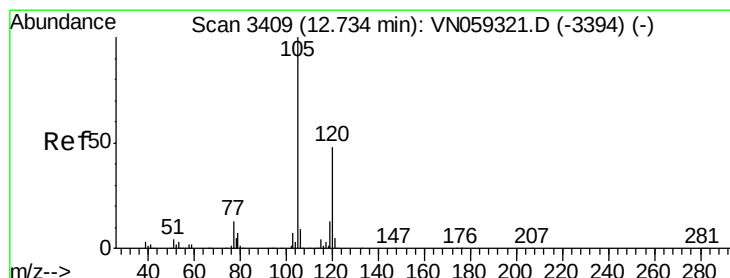
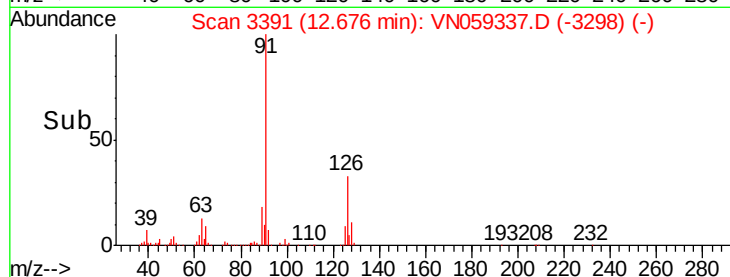
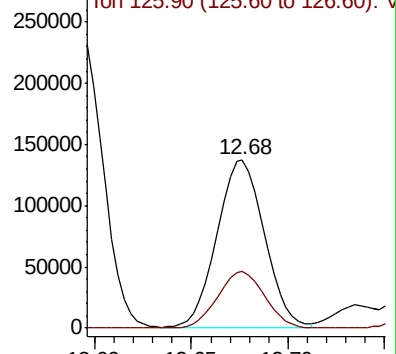
Ion Ratio Lower Upper

91 100

126 33.8 16.7 50.1



Abundance Ion 91.00 (90.70 to 91.70): VN059337.D (-3378) (-)



#80

1,3,5-Trimethylbenzene

Concen: 16.062 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN059337.D

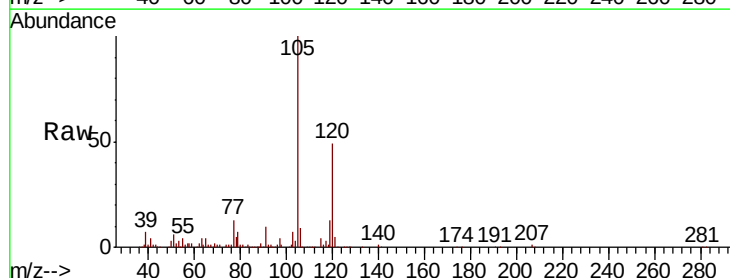
Acq: 21 Nov 2019 15:50

Tgt Ion: 105 Resp: 288474

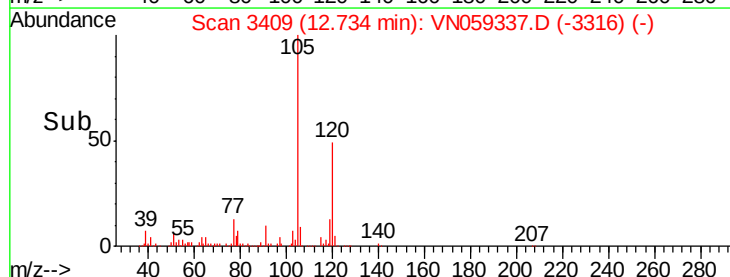
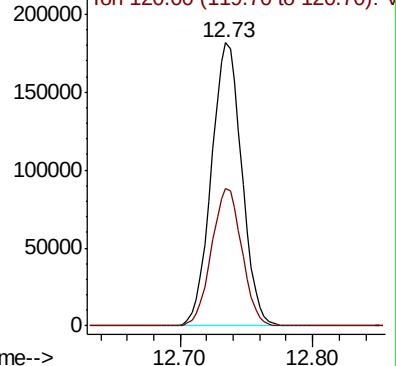
Ion Ratio Lower Upper

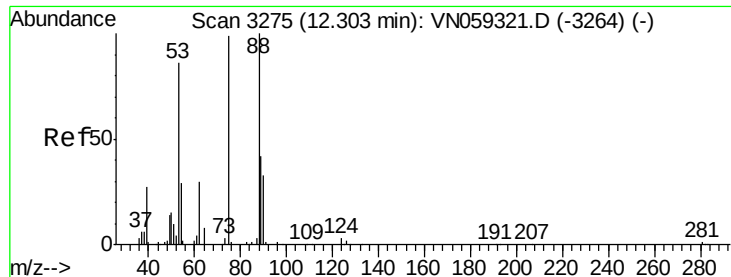
105 100

120 48.6 24.1 72.4



Abundance Ion 105.00 (104.70 to 105.70): VN059337.D (-3394) (-)

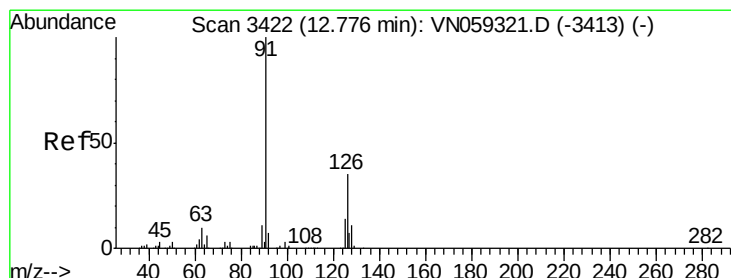
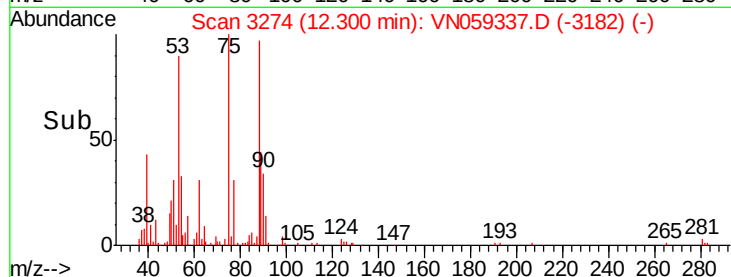
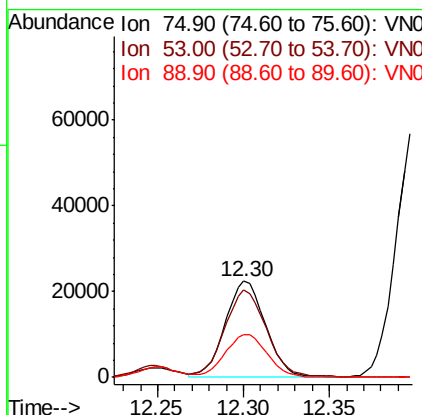
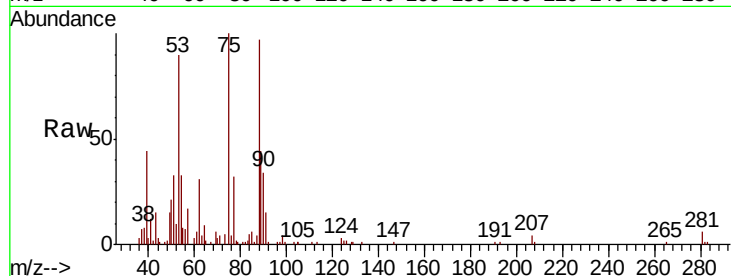




#81
trans-1,4-Dichloro-2-butene
Concen: 14.880 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. -0.00 min
Lab File: VN059337.D
Acq: 21 Nov 2019 15:50

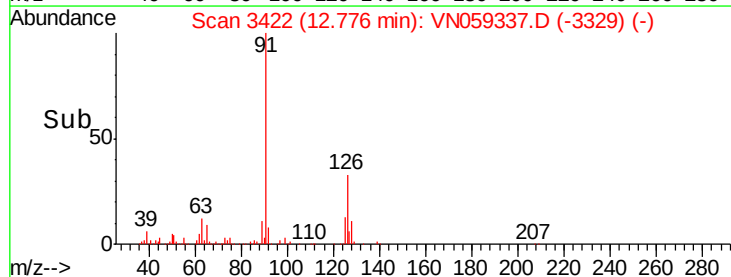
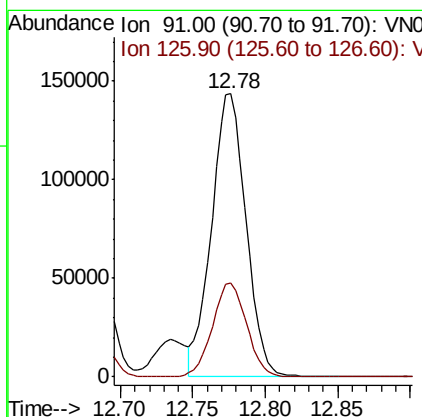
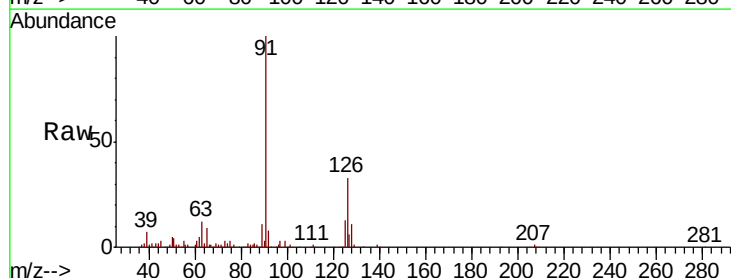
Instrument :
MSVOA_N
ClientSampled :

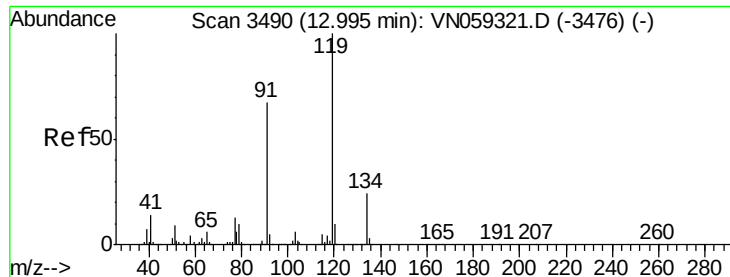
Tot Ion: 75 Resp: 35846
Ion Ratio Lower Upper
75 100
53 96.9 70.7 106.1
89 47.2 35.4 53.0



#82
4-Chlorotoluene
Concen: 15.407 ug/l
RT: 12.78 min Scan# 3422
Delta R.T. 0.00 min
Lab File: VN059337.D
Acq: 21 Nov 2019 15:50

Tgt Ion: 91 Resp: 236836
Ion Ratio Lower Upper
91 100
126 32.8 16.2 48.6





#83

tert-Butylbenzene

Concen: 16.535 ug/l

RT: 12.99 min Scan# 3490

Delta R.T. 0.00 min

Lab File: VN059337.D

Acq: 21 Nov 2019 15:50

Instrument :

MSVOA_N

ClientSampleId :

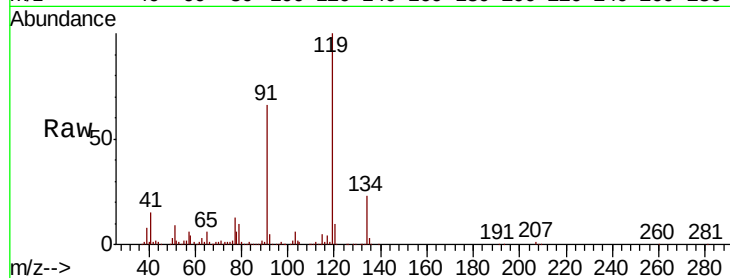
Tot Ion:119 Resp: 250808

Ion Ratio Lower Upper

119 100

91 64.4 32.8 98.4

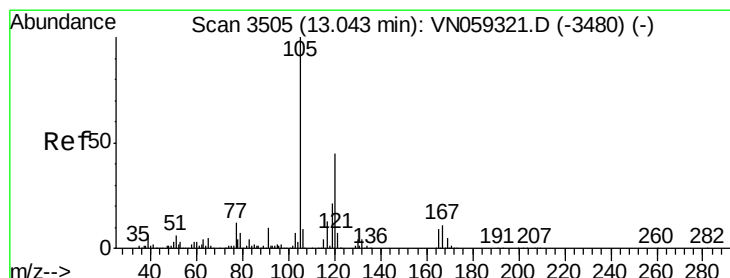
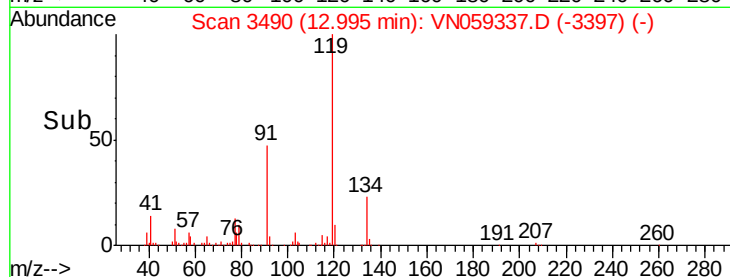
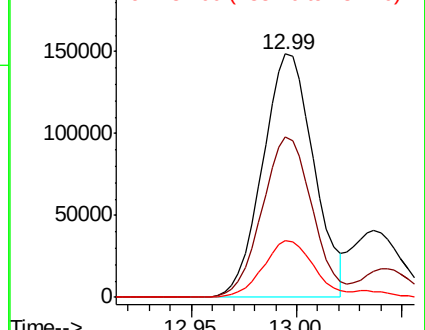
134 22.8 13.0 38.9



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 16.129 ug/l

RT: 13.04 min Scan# 3505

Delta R.T. 0.00 min

Lab File: VN059337.D

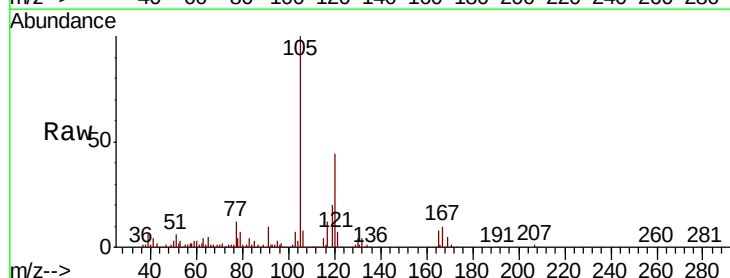
Acq: 21 Nov 2019 15:50

Tgt Ion:105 Resp: 283760

Ion Ratio Lower Upper

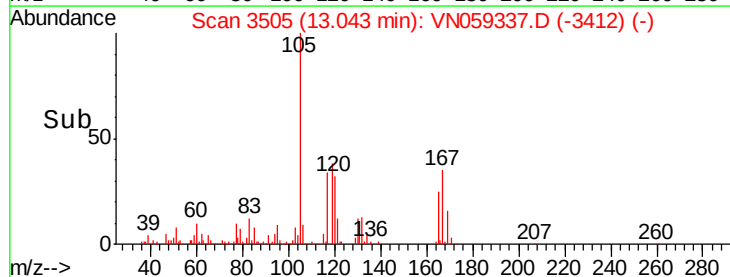
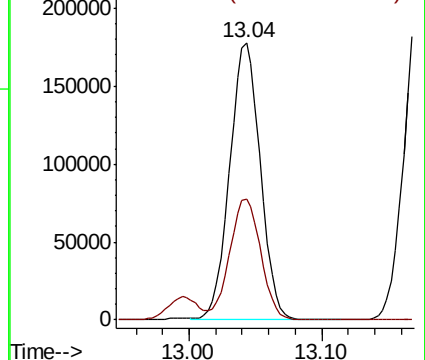
105 100

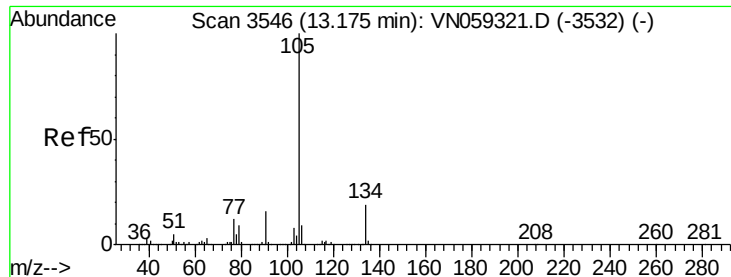
120 44.5 22.6 67.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 16.295 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. 0.00 min

Lab File: VN059337.D

Acq: 21 Nov 2019 15:50

Instrument :

MSVOA_N

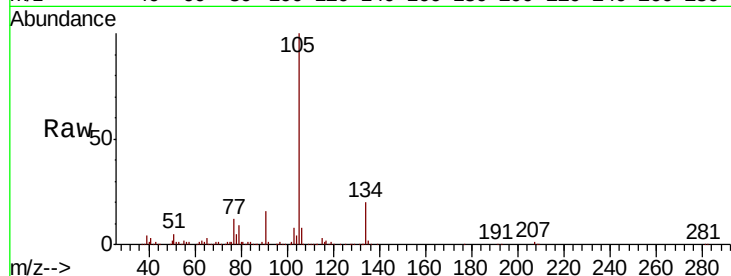
ClientSampled :

Tot Ion:105 Resp: 332205

Ion Ratio Lower Upper

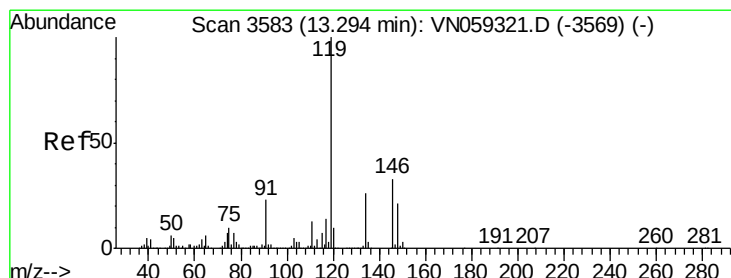
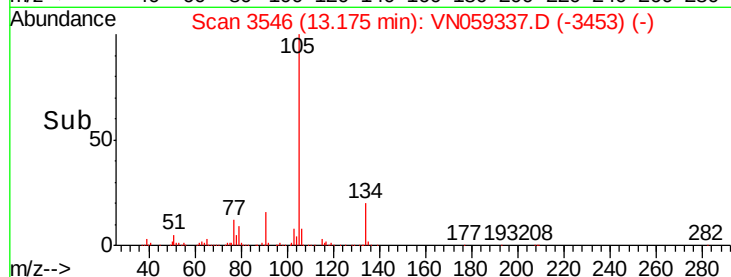
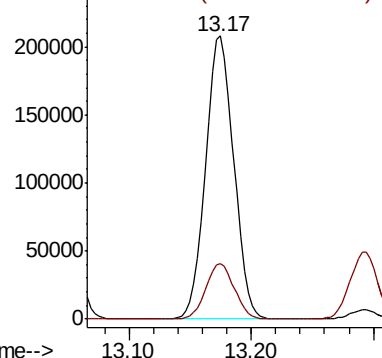
105 100

134 19.8 9.8 29.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 16.271 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. -0.00 min

Lab File: VN059337.D

Acq: 21 Nov 2019 15:50

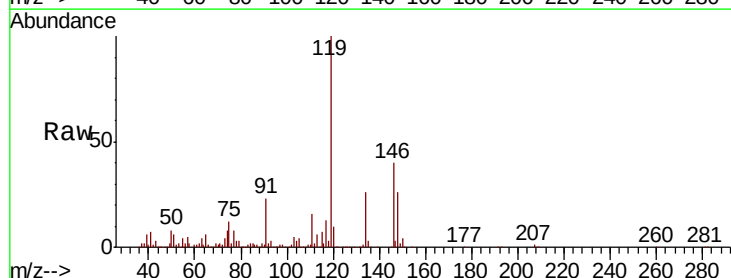
Tgt Ion:119 Resp: 295186

Ion Ratio Lower Upper

119 100

134 26.3 13.0 38.9

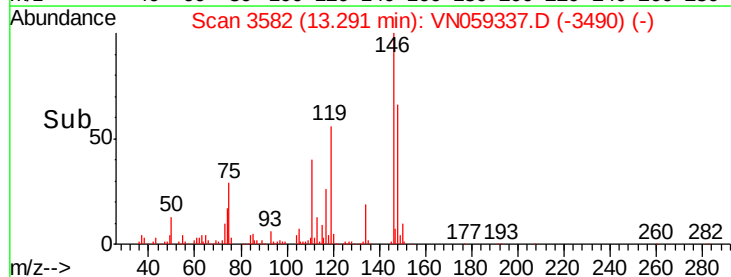
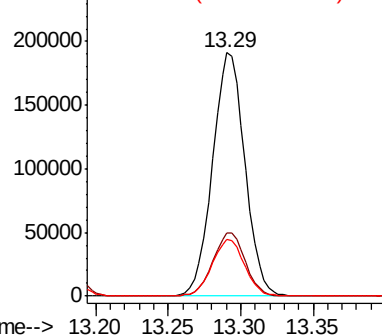
91 23.1 11.6 34.7

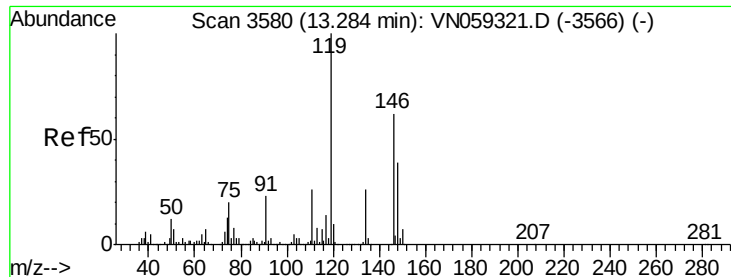


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 15.233 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN059337.D

Acq: 21 Nov 2019 15:50

Instrument :

MSVOA_N

ClientSampled :

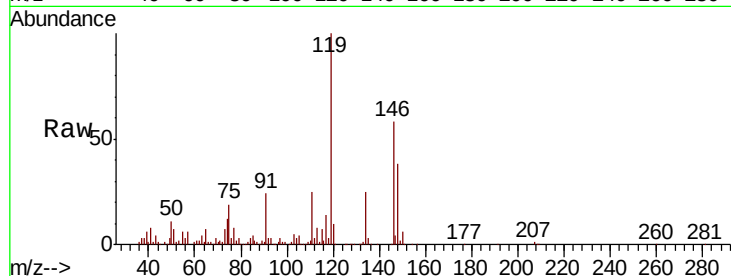
Tot Ion:146 Resp: 140580

Ion Ratio Lower Upper

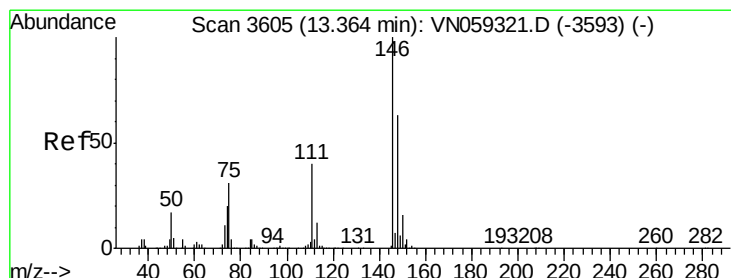
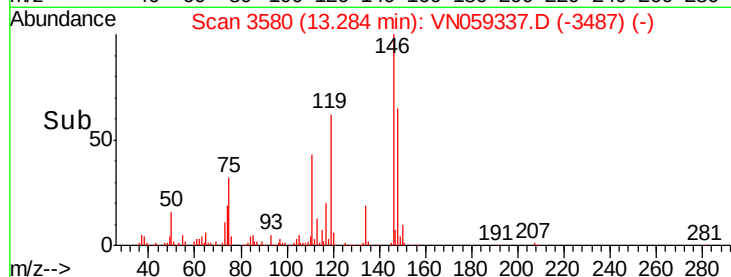
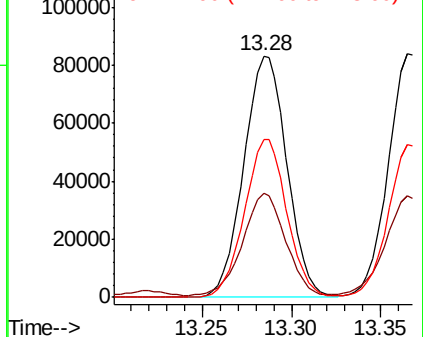
146 100

111 41.3 20.6 61.8

148 64.2 31.9 95.5



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 15.246 ug/l

RT: 13.36 min Scan# 3605

Delta R.T. 0.00 min

Lab File: VN059337.D

Acq: 21 Nov 2019 15:50

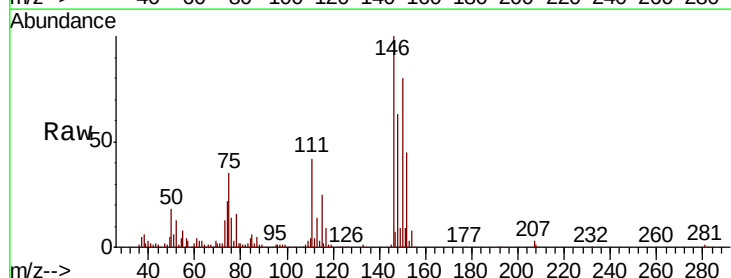
Tgt Ion:146 Resp: 139208

Ion Ratio Lower Upper

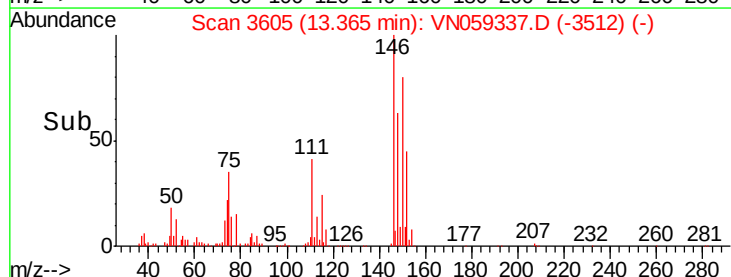
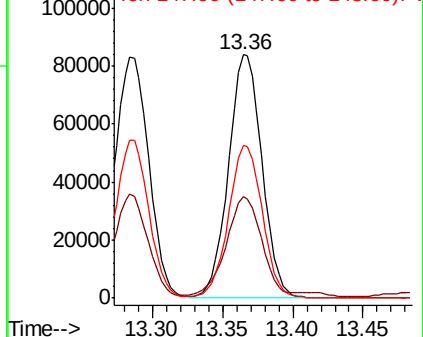
146 100

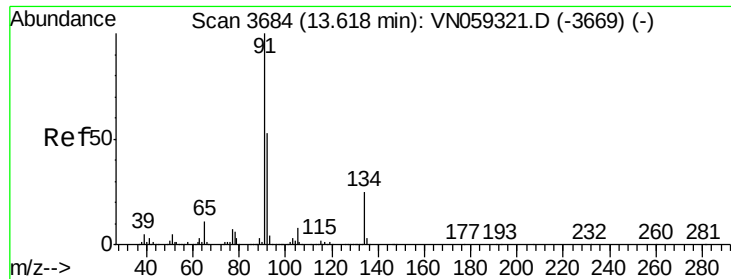
111 42.0 20.1 60.3

148 63.3 31.7 95.1



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V

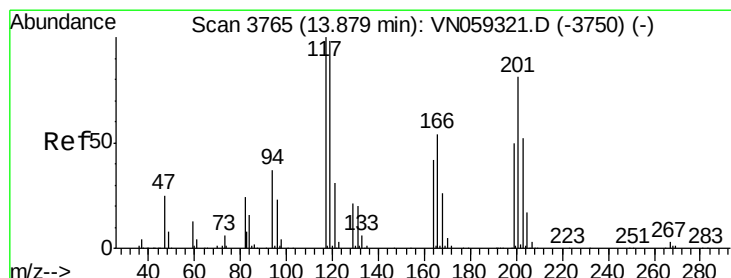
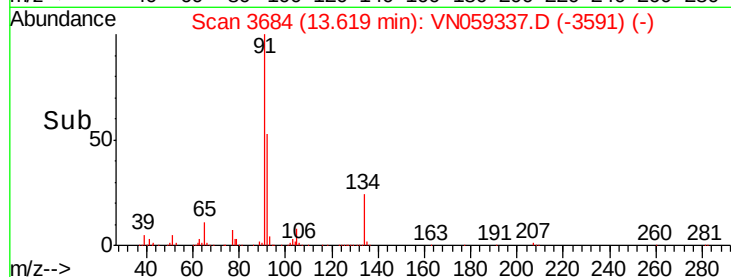
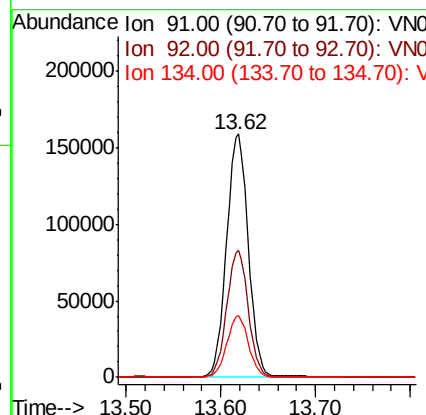
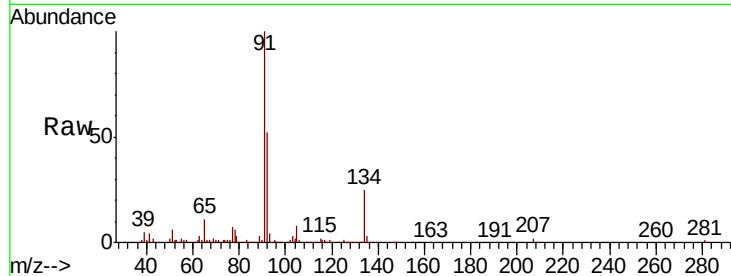




#89
n-Butylbenzene
Concen: 16.055 ug/l
RT: 13.62 min Scan# 3684
Delta R.T. 0.00 min
Lab File: VN059337.D
Acq: 21 Nov 2019 15:50

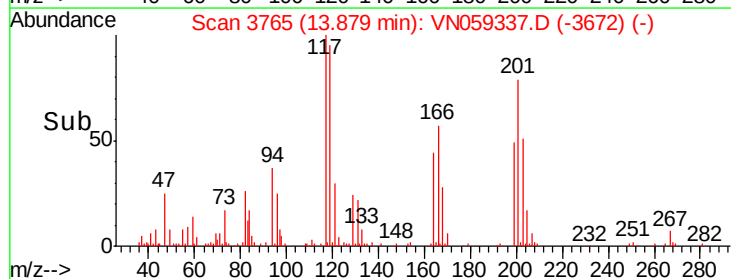
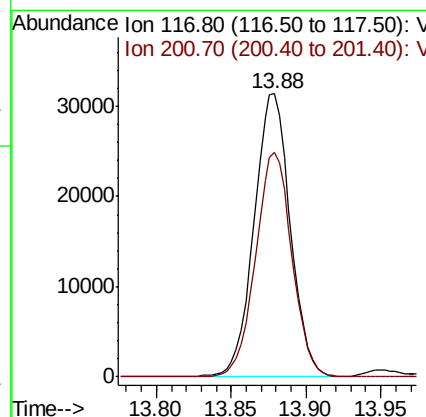
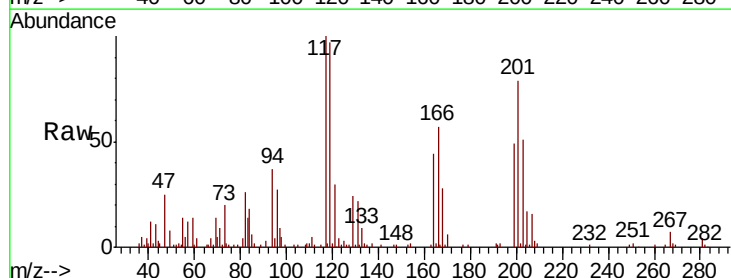
Instrument :
MSVOA_N
ClientSampleId :

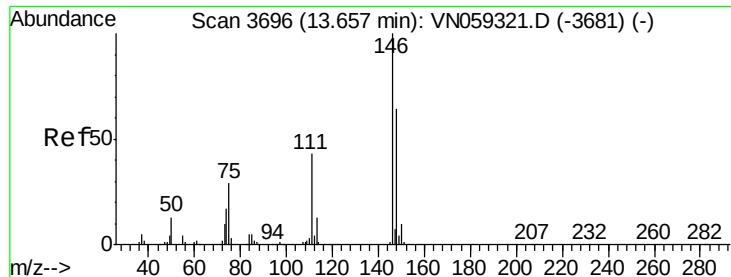
Tot Ion: 91 Resp: 25515
Ion Ratio Lower Upper
91 100
92 51.2 26.0 78.0
134 25.0 12.7 38.1



#90
Hexachloroethane
Concen: 15.381 ug/l
RT: 13.88 min Scan# 3765
Delta R.T. 0.00 min
Lab File: VN059337.D
Acq: 21 Nov 2019 15:50

Tgt Ion: 117 Resp: 52844
Ion Ratio Lower Upper
117 100
201 79.4 40.4 121.2

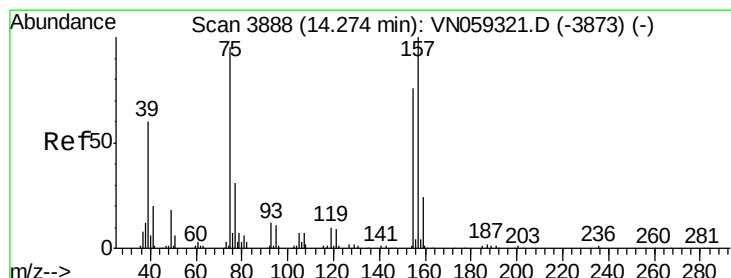
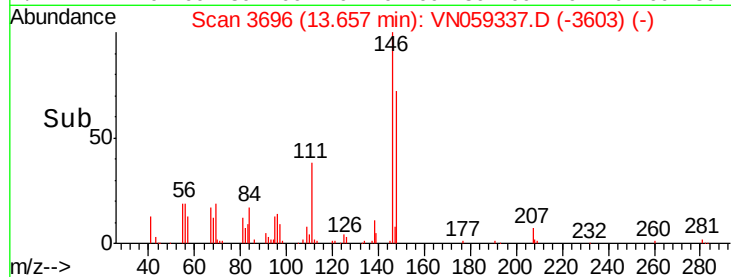
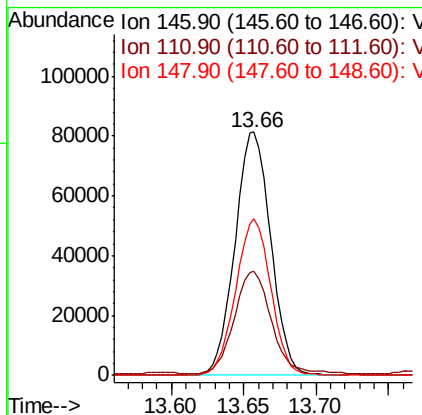
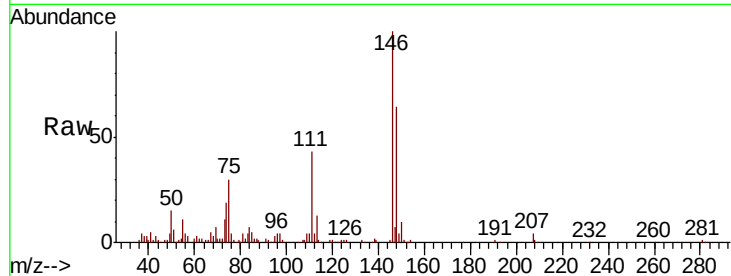




#91
 1,2-Dichlorobenzene
 Concen: 15.668 ug/l
 RT: 13.66 min Scan# 3696
 Delta R.T. 0.00 min
 Lab File: VN059337.D
 Acq: 21 Nov 2019 15:50

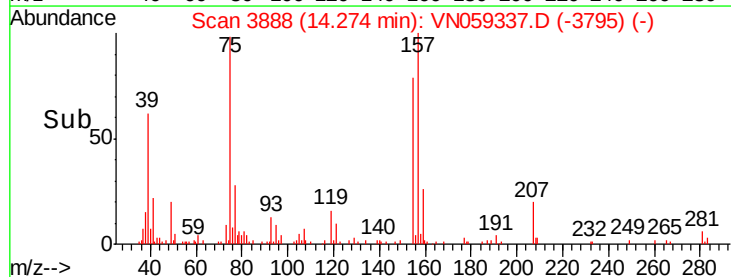
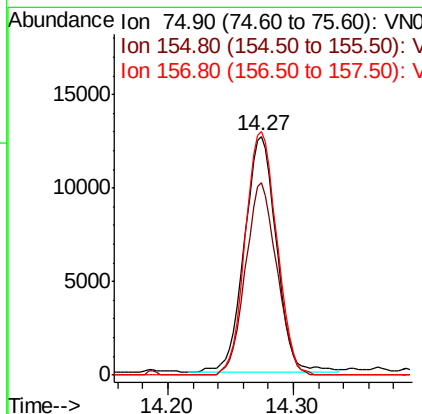
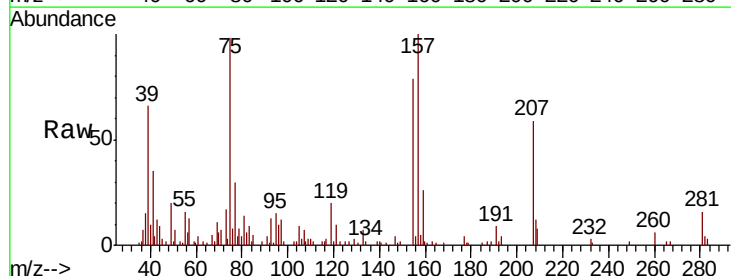
Instrument :
 MSVOA_N
 ClientSampleId :

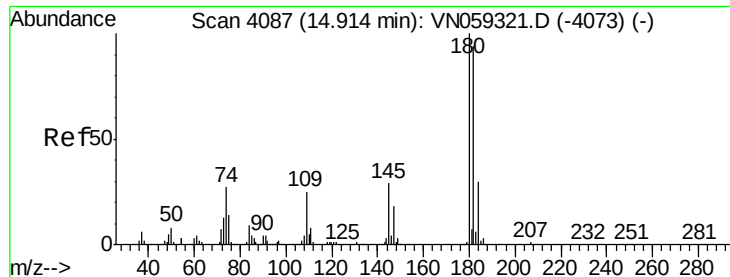
Tot Ion	Ratio	Lower	Upper
146	100		
111	43.8	21.3	64.0
148	63.2	31.9	95.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 14.946 ug/l
 RT: 14.27 min Scan# 3888
 Delta R.T. 0.00 min
 Lab File: VN059337.D
 Acq: 21 Nov 2019 15:50

Tgt Ion	Ratio	Lower	Upper
75	100		
155	79.6	40.5	121.5
157	101.0	52.7	158.1

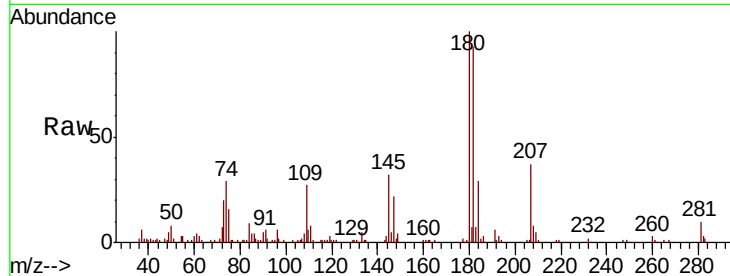




#93
 1,2,4-Trichlorobenzene
 Concen: 15.847 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN059337.D
 Acq: 21 Nov 2019 15:50

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.9	47.2	141.6
145	32.6	14.9	44.5

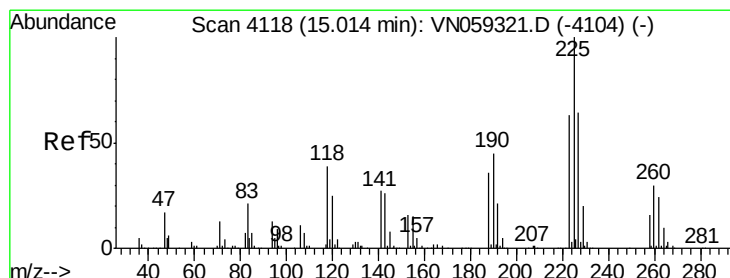
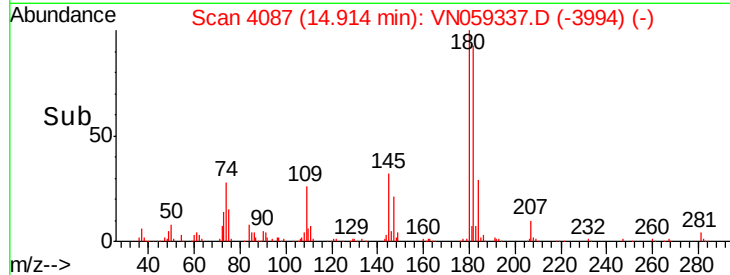
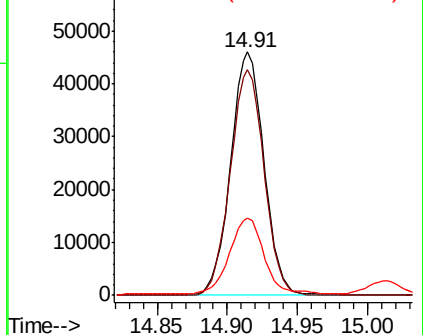


Abundance

Ion 179.80 (179.50 to 180.50): V

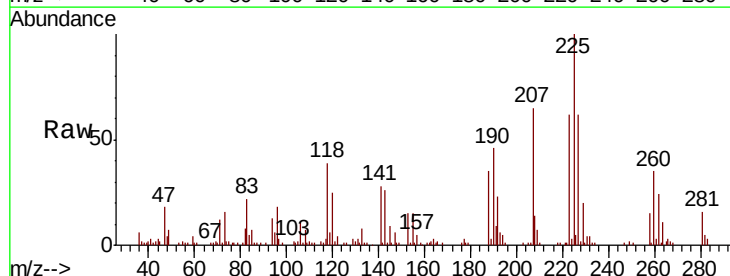
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 15.476 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN059337.D
 Acq: 21 Nov 2019 15:50

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.5	31.6	94.8
227	63.7	32.6	97.7

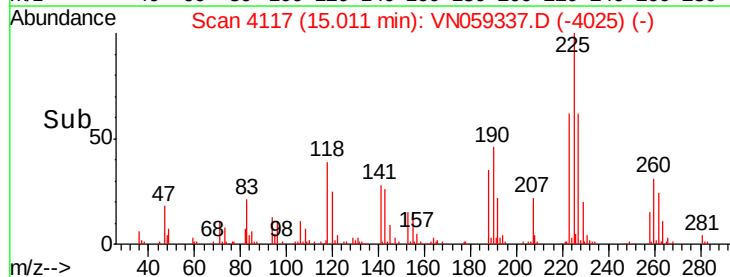
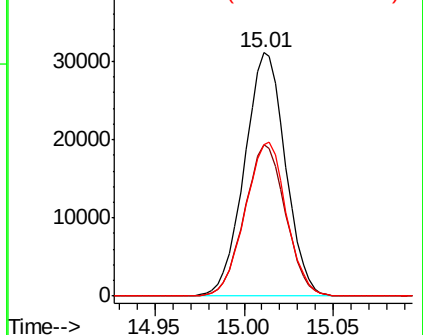


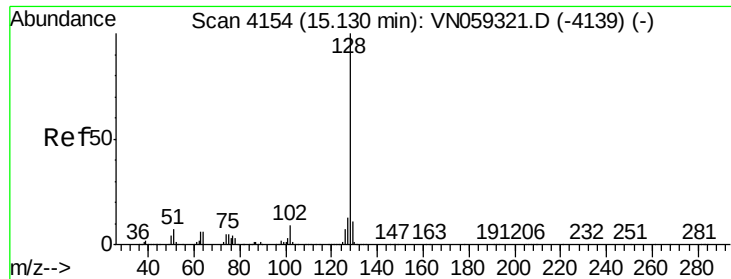
Abundance

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

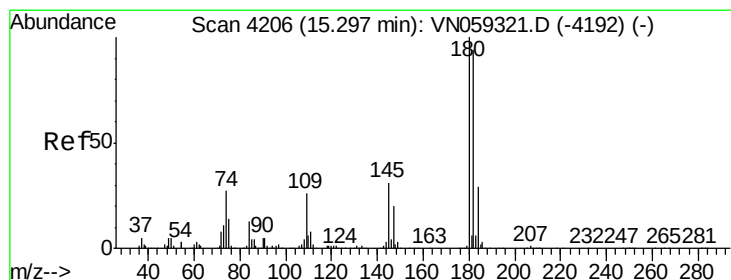
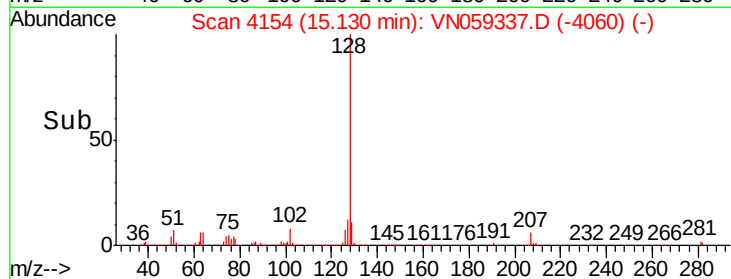
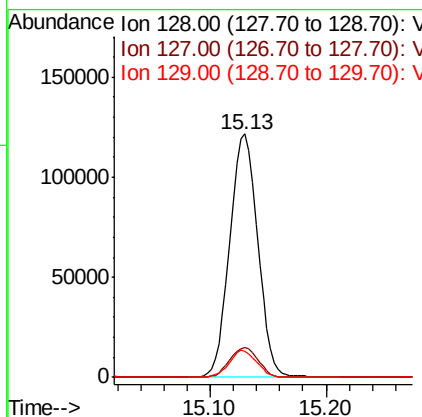
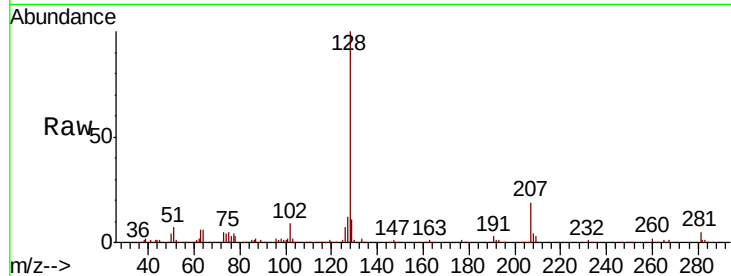




#95
Naphthalene
Concen: 15.542 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN059337.D
Acq: 21 Nov 2019 15:50

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:128 Resp: 203145
Ion Ratio Lower Upper
128 100
127 12.5 10.2 15.2
129 10.8 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 15.594 ug/l
RT: 15.30 min Scan# 4206
Delta R.T. 0.00 min
Lab File: VN059337.D
Acq: 21 Nov 2019 15:50

Tgt Ion:180 Resp: 77581
Ion Ratio Lower Upper
180 100
182 92.1 47.1 141.4
145 34.0 15.6 46.8

