

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN091319\
 Data File : VN057977.D
 Acq On : 12 Sep 2019 18:37
 Operator : JC/SP
 Sample : VN0913WBS02
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0913WBS02

Quant Time: Sep 13 04:48:13 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091019W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 10 03:02:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	289872	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	483264	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	447957	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	256792	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.01	65	312215	53.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.36%	
35) Dibromofluoromethane	7.58	113	219766	49.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.54%	
50) Toluene-d8	10.09	98	882378	50.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.90%	
62) 4-Bromofluorobenzene	12.41	95	299822	45.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.86%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.83	85	81550	20.343	ug/l	99
3) Chloromethane	2.04	50	70368	17.222	ug/l	99
4) Vinyl Chloride	2.17	62	74524	17.234	ug/l	99
5) Bromomethane	2.54	94	44907	17.922	ug/l	96
6) Chloroethane	2.68	64	50302	18.255	ug/l	100
7) Trichlorofluoromethane	3.00	101	97210	17.863	ug/l	99
8) Diethyl Ether	3.39	74	43629	19.222	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.74	101	70405	20.509	ug/l	100
10) Methyl Iodide	3.93	142	60488	15.834	ug/l	97
11) Tert butyl alcohol	4.76	59	64738	91.104	ug/l	96
12) 1,1-Dichloroethene	3.72	96	59474	19.268	ug/l	97
13) Acrolein	3.59	56	831	1.378	ug/l	97
14) Allyl chloride	4.30	41	112613	18.643	ug/l	97
15) Acrylonitrile	4.97	53	206440	105.697	ug/l	99
16) Acetone	3.80	43	177507	92.228	ug/l	99
17) Carbon Disulfide	4.03	76	82925	17.365	ug/l	98
18) Methyl Acetate	4.30	43	120389	23.460	ug/l	99
19) Methyl tert-butyl Ether	5.02	73	271488	21.135	ug/l	96
20) Methylene Chloride	4.53	84	78955	20.831	ug/l	95
21) trans-1,2-Dichloroethene	5.01	96	61591	18.459	ug/l	97
22) Diisopropyl ether	5.93	45	292674	20.661	ug/l	96
23) Vinyl Acetate	5.88	43	1060207	105.607	ug/l	99
24) 1,1-Dichloroethane	5.82	63	159271	20.573	ug/l	98
25) 2-Butanone	6.82	43	279695	100.405	ug/l	98
26) 2,2-Dichloropropane	6.81	77	116202	18.966	ug/l	99
27) cis-1,2-Dichloroethene	6.81	96	88595	19.813	ug/l	99
28) Bromochloromethane	7.18	49	84559	21.863	ug/l	97
29) Tetrahydrofuran	7.20	42	180076	104.906	ug/l	99
30) Chloroform	7.36	83	167234	20.659	ug/l	98
31) Cyclohexane	7.64	56	109713	19.428	ug/l	# 95
32) 1,1,1-Trichloroethane	7.55	97	128482	20.013	ug/l	98
36) 1,1-Dichloropropene	7.78	75	101376	18.088	ug/l	100
37) Ethyl Acetate	6.91	43	113580	19.615	ug/l	99
38) Carbon Tetrachloride	7.76	117	99991	19.541	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	103050	17.491	ug/l	99
40) Benzene	8.03	78	327781	19.426	ug/l	100
41) Methacrylonitrile	7.16	41	56656	21.554	ug/l	94
42) 1,2-Dichloroethane	8.11	62	137924	20.438	ug/l	100
43) Isopropyl Acetate	8.16	43	250089	25.682	ug/l #	83
44) Trichloroethene	8.83	130	79042	19.099	ug/l	96
45) 1,2-Dichloropropane	9.11	63	98070	19.974	ug/l	96
46) Dibromomethane	9.20	93	60764	20.480	ug/l	98
47) Bromodichloromethane	9.40	83	121366	20.485	ug/l	99
48) Methyl methacrylate	9.19	41	94062	19.042	ug/l	97
49) 1,4-Dioxane	9.19	88	27856	333.467	ug/l	96
51) 4-Methyl-2-Pentanone	9.98	43	610014	105.858	ug/l	100
52) Toluene	10.15	92	204959	19.286	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	117836	18.887	ug/l	97
54) cis-1,3-Dichloropropene	9.84	75	133558	19.389	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	91375	20.298	ug/l	98
56) Ethyl methacrylate	10.43	69	131310	19.370	ug/l	98
57) 1,3-Dichloropropane	10.71	76	154384	19.900	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.69	63	290985	91.135	ug/l	100
59) 2-Hexanone	10.75	43	429263	99.383	ug/l	99
60) Dibromochloromethane	10.90	129	81779	19.563	ug/l	99
61) 1,2-Dibromoethane	11.00	107	84471	19.848	ug/l	99
64) Tetrachloroethene	10.63	164	63902	19.320	ug/l	96
65) Chlorobenzene	11.44	112	230965	19.701	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	80287	19.737	ug/l	98
67) Ethyl Benzene	11.51	91	406054	19.764	ug/l	100
68) m/p-Xylenes	11.62	106	294294	39.104	ug/l	99
69) o-Xylene	11.95	106	146700	19.608	ug/l	96
70) Styrene	11.97	104	254267	19.747	ug/l	98
71) Bromoform	12.13	173	47576	18.759	ug/l #	100
73) Isopropylbenzene	12.25	105	403586	20.254	ug/l	100
74) N-amyl acetate	12.07	43	174513	20.124	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.51	83	136291	20.314	ug/l	98
76) 1,2,3-Trichloropropane	12.56	75	159115	27.391	ug/l #	100
77) Bromobenzene	12.53	156	95409	19.205	ug/l	99
78) n-propylbenzene	12.60	91	476037	20.804	ug/l	99
79) 2-Chlorotoluene	12.68	91	283888	19.630	ug/l	100
80) 1,3,5-Trimethylbenzene	12.74	105	343365	20.394	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	27762	16.818	ug/l	85
82) 4-Chlorotoluene	12.78	91	288490	19.425	ug/l	100
83) tert-Butylbenzene	13.00	119	293630	19.620	ug/l	97
84) 1,2,4-Trimethylbenzene	13.05	105	347677	20.318	ug/l	99
85) sec-Butylbenzene	13.18	105	404371	20.385	ug/l	99
86) p-Isopropyltoluene	13.30	119	355181	20.322	ug/l	99
87) 1,3-Dichlorobenzene	13.29	146	175431	19.238	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	176381	19.056	ug/l	98
89) n-Butylbenzene	13.62	91	322829	19.559	ug/l	99
90) Hexachloroethane	13.88	117	48763	18.760	ug/l	96
91) 1,2-Dichlorobenzene	13.66	146	179723	19.728	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.28	75	22956	20.719	ug/l	97

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Quant Title : SW846 8260
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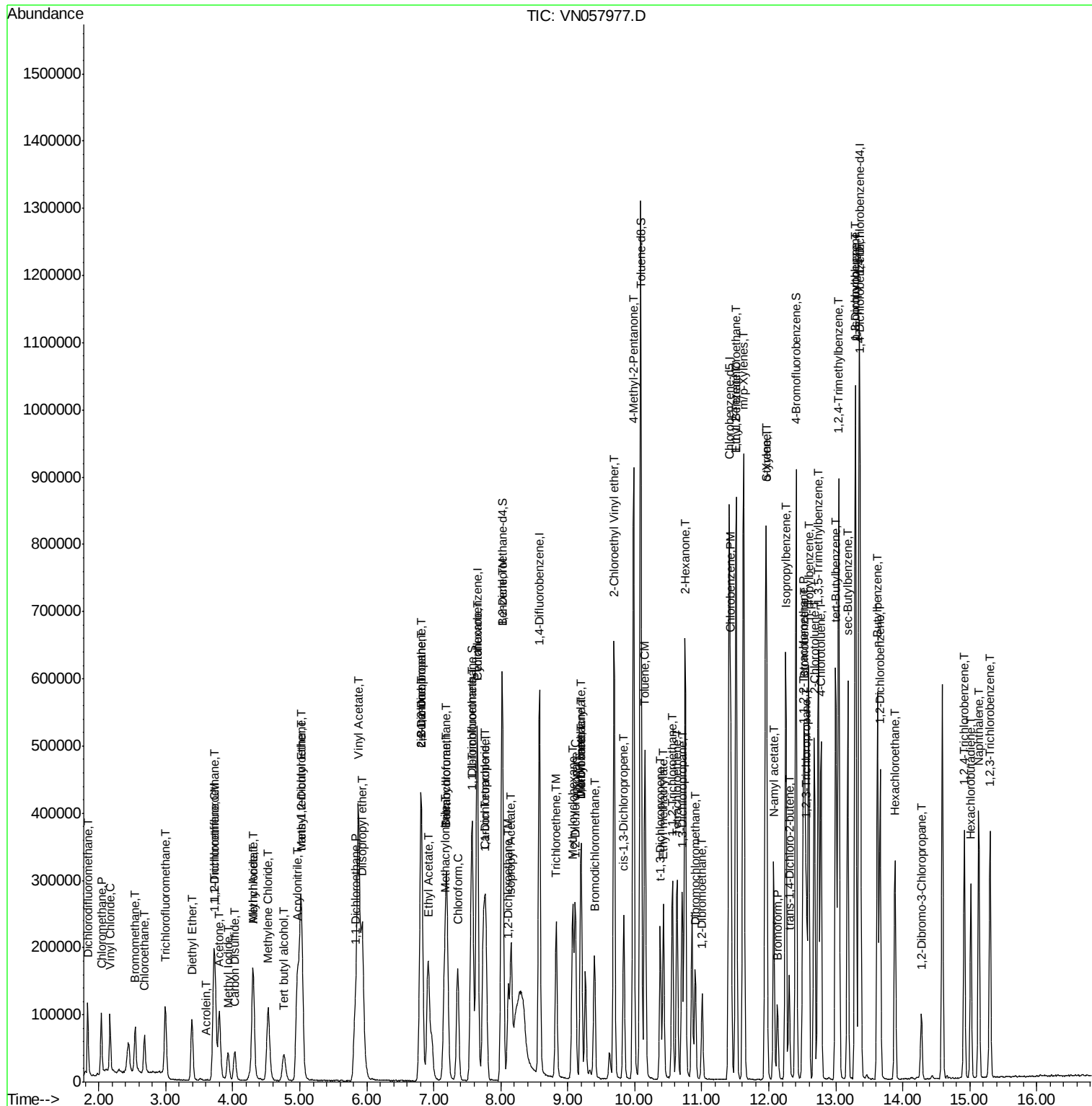
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	105939	17.791	ug/l	98
94) Hexachlorobutadiene	15.01	225	47908	18.980	ug/l	99
95) Naphthalene	15.13	128	310322	19.691	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	103717	20.552	ug/l	99

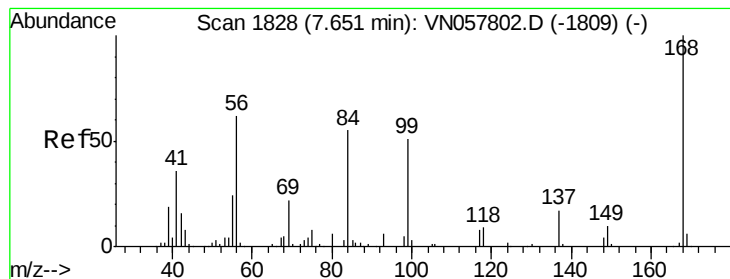
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN057977.D

Acq: 12 Sep 2019 18:37

Instrument :

MSVOA_N

ClientSampleId :

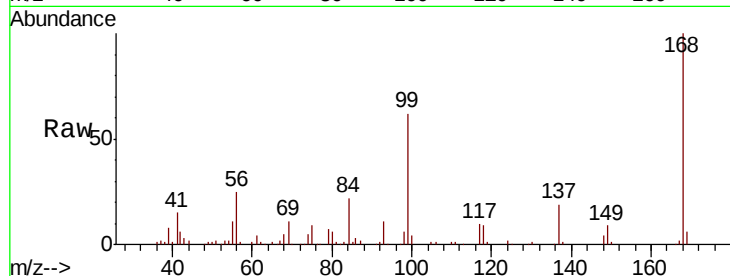
VN0913WBS02

Tgt Ion:168 Resp: 289872

Ion Ratio Lower Upper

168 100

99 61.7 48.0 72.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

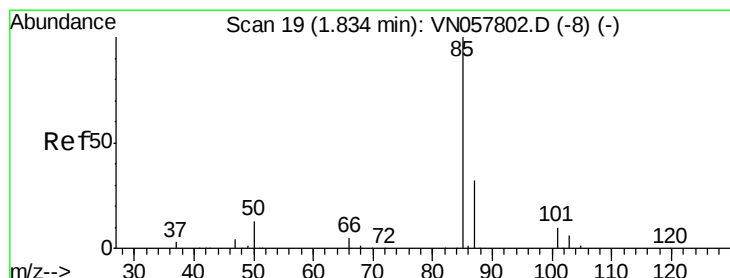
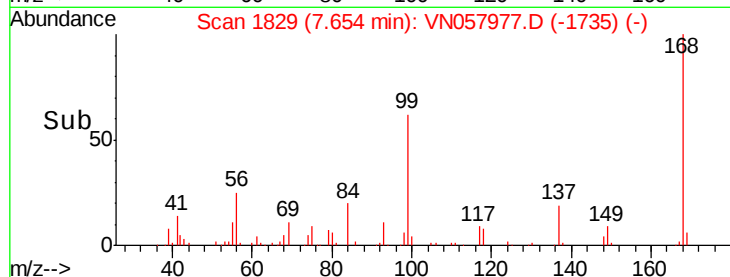
7.65

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 20.343 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN057977.D

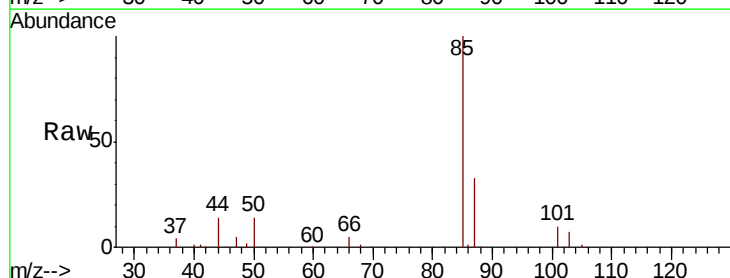
Acq: 12 Sep 2019 18:37

Tgt Ion: 85 Resp: 81550

Ion Ratio Lower Upper

85 100

87 32.6 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.83

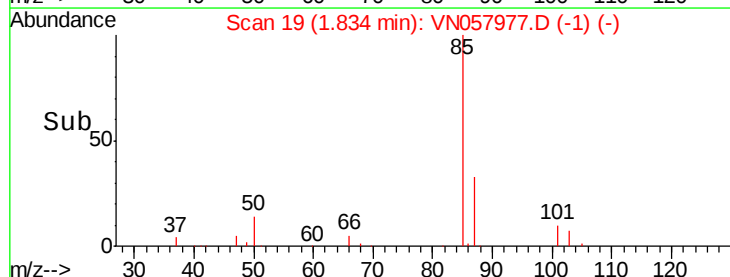
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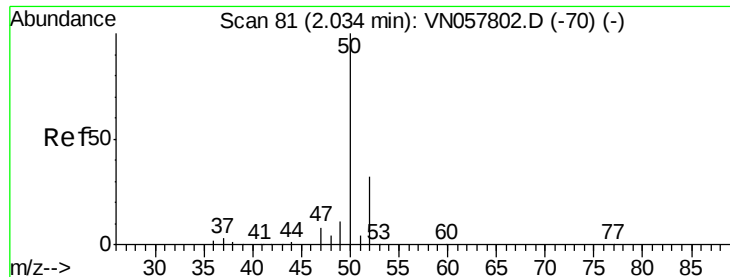
40000

20000

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Time-->





#3

Chloromethane

Concen: 17.222 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN057977.D

Acq: 12 Sep 2019 18:37

Instrument :

MSVOA_N

ClientSampleId :

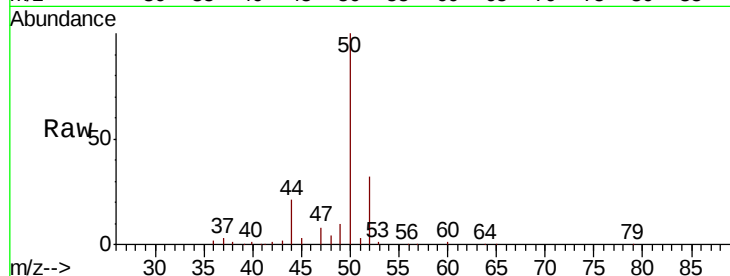
VN0913WBS02

Tgt Ion: 50 Resp: 70368

Ion Ratio Lower Upper

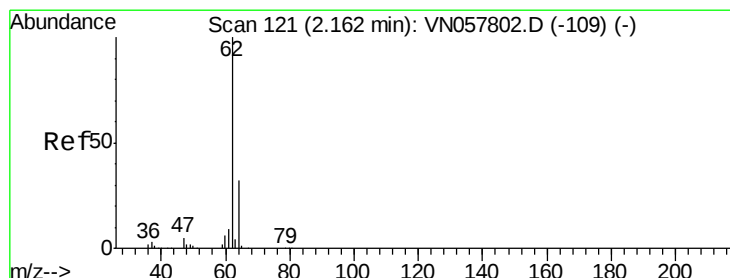
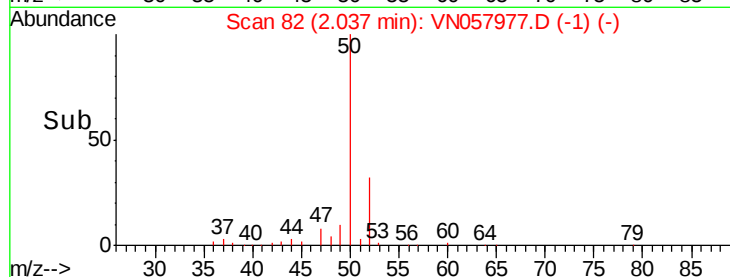
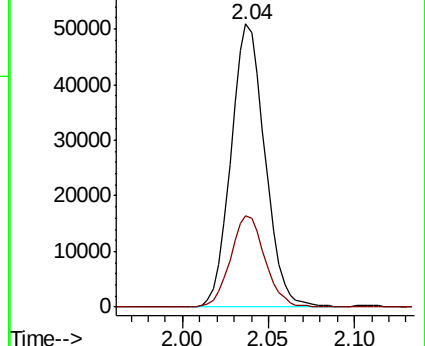
50 100

52 32.3 25.5 38.3



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 17.234 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.01 min

Lab File: VN057977.D

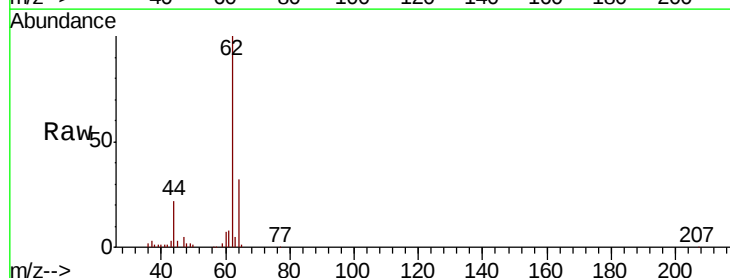
Acq: 12 Sep 2019 18:37

Tgt Ion: 62 Resp: 74524

Ion Ratio Lower Upper

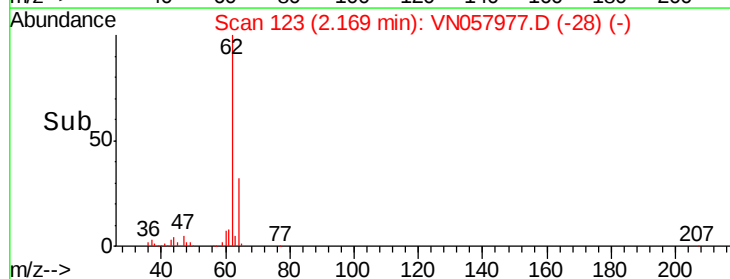
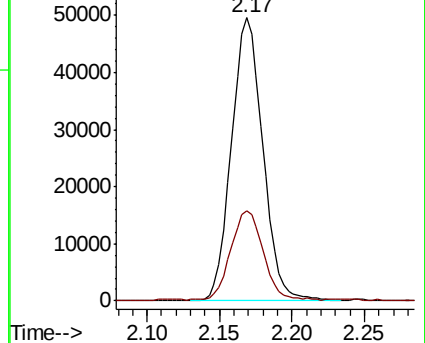
62 100

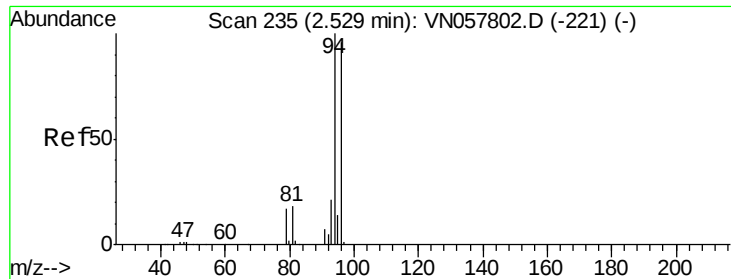
64 31.6 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0

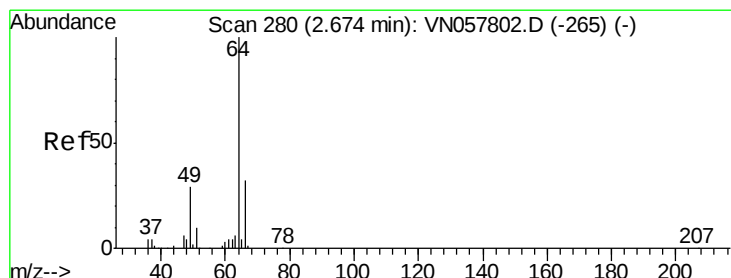
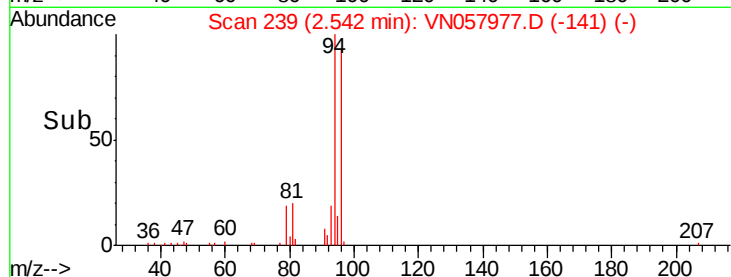
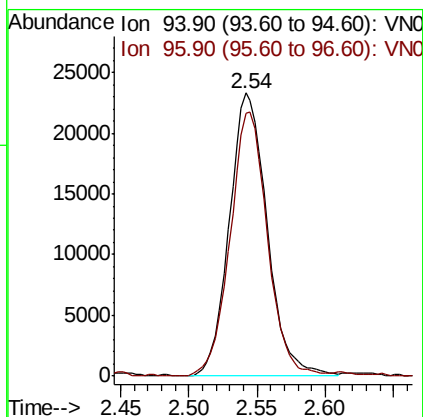
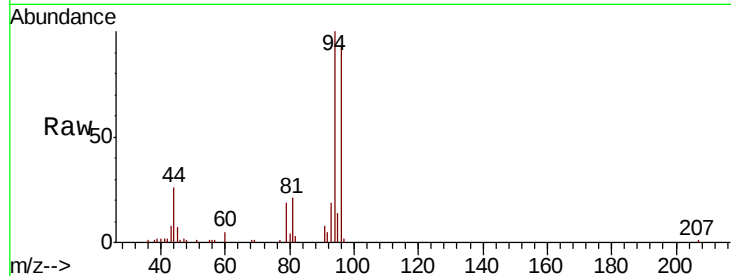




#5
 Bromomethane
 Concen: 17.922 ug/l
 RT: 2.54 min Scan# 239
 Delta R.T. 0.01 min
 Lab File: VN057977.D
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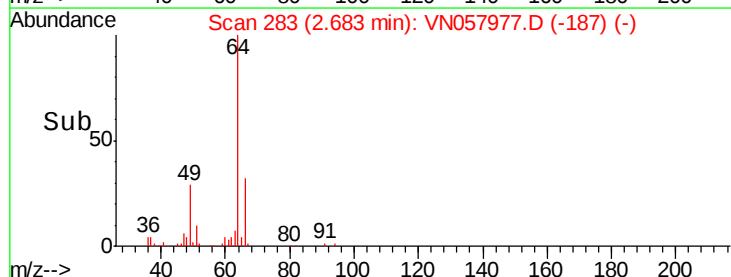
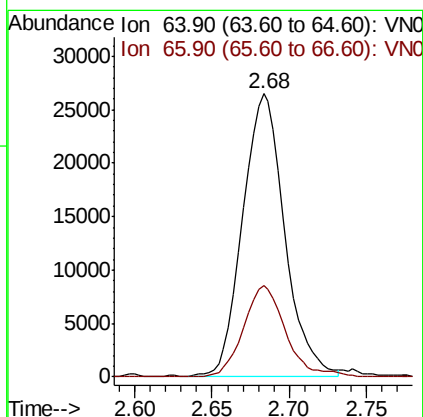
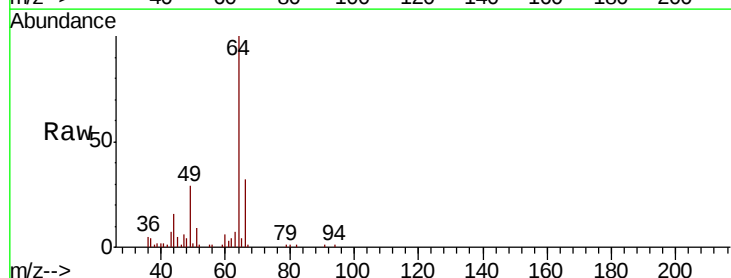
Instrument :
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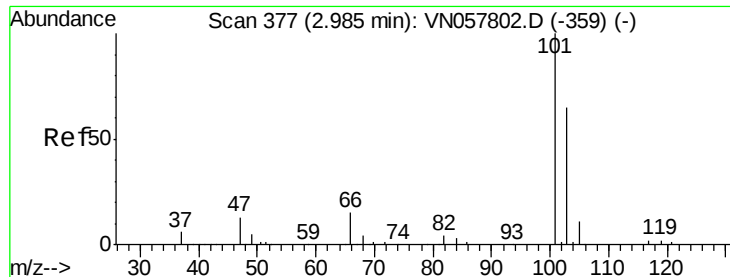
Tgt Ion: 94 Resp: 44907
 Ion Ratio Lower Upper
 94 100
 96 92.7 77.0 115.4



#6
 Chloroethane
 Concen: 18.255 ug/l
 RT: 2.68 min Scan# 283
 Delta R.T. 0.01 min
 Lab File: VN057977.D
 Acq: 12 Sep 2019 18:37

Tgt Ion: 64 Resp: 50302
 Ion Ratio Lower Upper
 64 100
 66 32.1 25.5 38.3



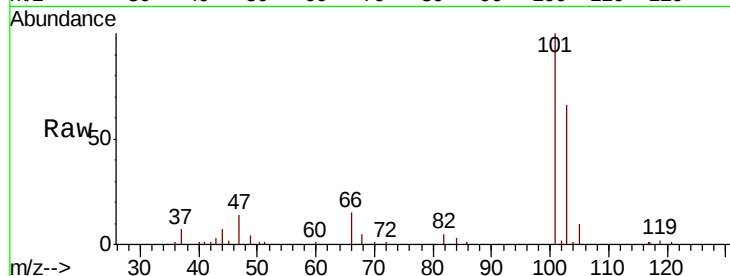


#7

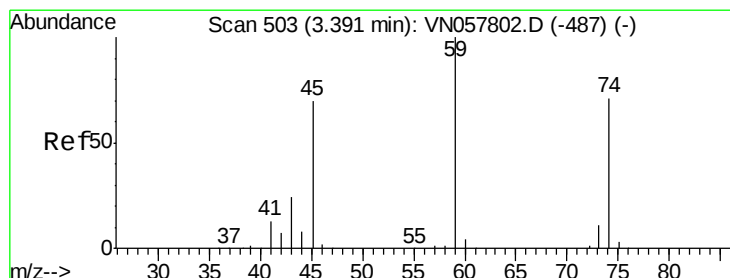
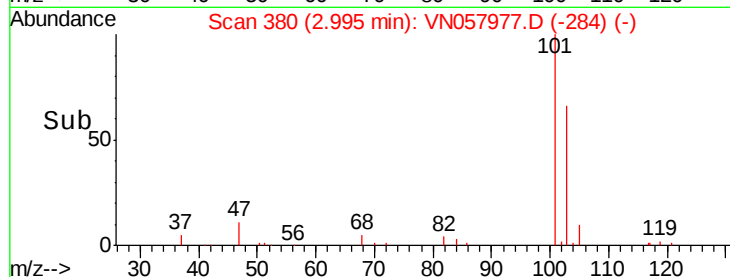
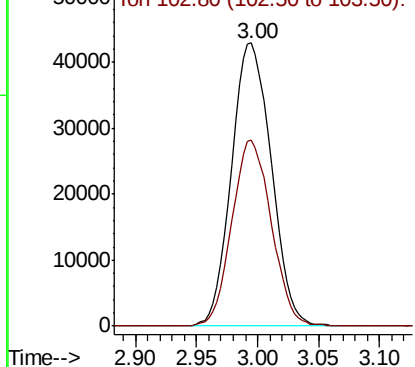
Trichlorofluoromethane
 Concen: 17.863 ug/l
 RT: 3.00 min Scan# 380
 Delta R.T. 0.01 min
 Lab File: VN057977.D
 Acq: 12 Sep 2019 18:37

Instrument :
 MSVOA_N
 ClientSampleId :
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Tgt Ion:101 Resp: 97210
 Ion Ratio Lower Upper
 101 100
 103 65.6 51.9 77.9



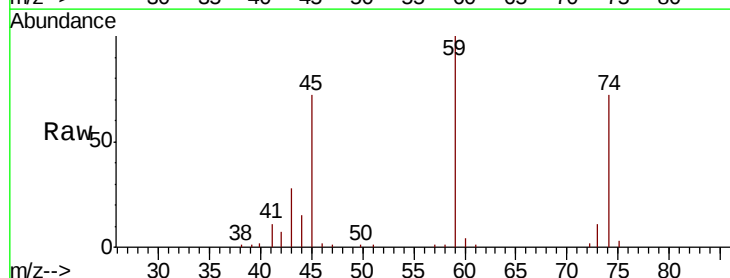
Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 102.80 (102.50 to 103.50): V



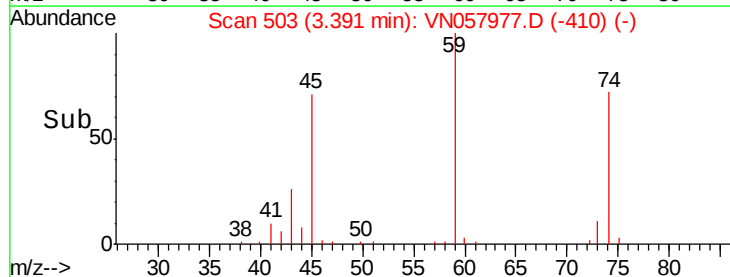
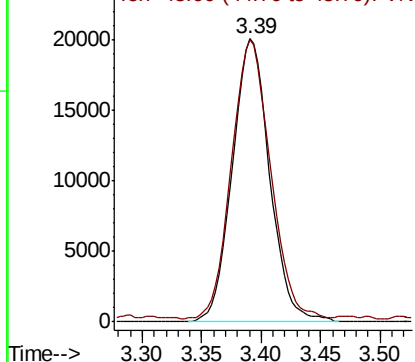
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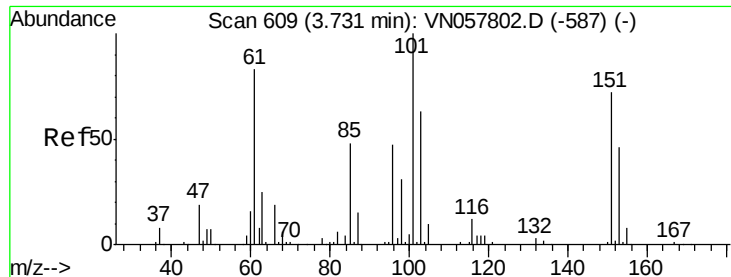
Diethyl Ether
 Concen: 19.222 ug/l
 RT: 3.39 min Scan# 503
 Delta R.T. 0.00 min
 Lab File: VN057977.D
 Acq: 12 Sep 2019 18:37

Tgt Ion: 74 Resp: 43629
 Ion Ratio Lower Upper
 74 100
 45 102.6 50.3 151.0



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





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.509 ug/l

RT: 3.74 min Scan# 612

Delta R.T. 0.01 min

Lab File: VN057977.D

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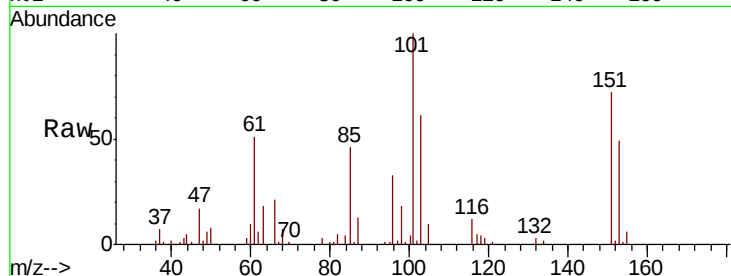
Tgt Ion:101 Resp: 70405

Ion Ratio Lower Upper

101 100

85 48.1 38.1 57.1

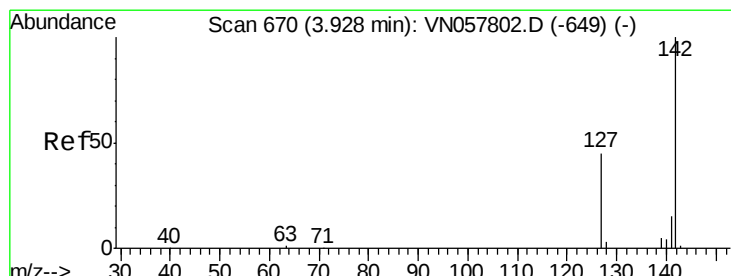
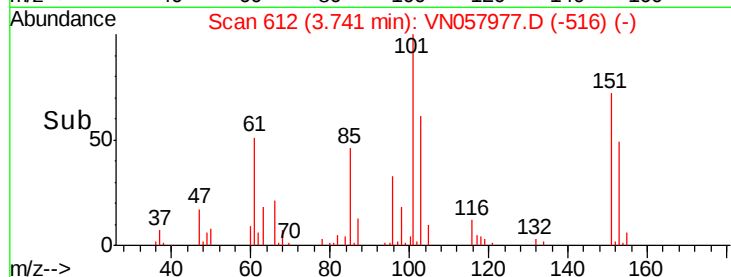
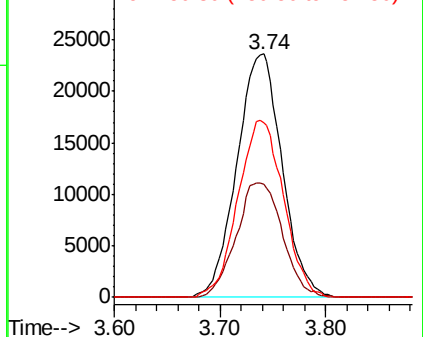
151 73.1 58.4 87.6



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 15.834 ug/l

RT: 3.93 min Scan# 670

Delta R.T. 0.00 min

Lab File: VN057977.D

Acq: 12 Sep 2019 18:37

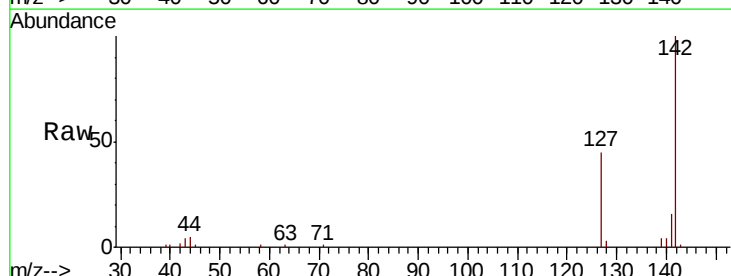
Tgt Ion:142 Resp: 60488

Ion Ratio Lower Upper

142 100

127 48.5 36.7 55.1

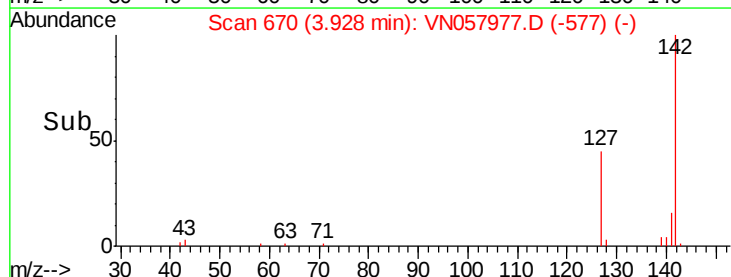
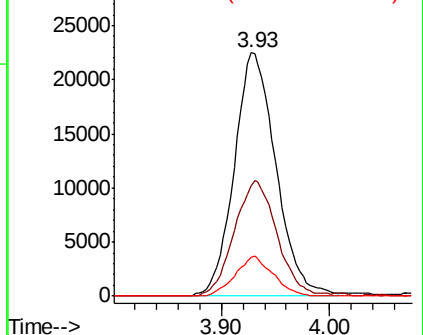
141 14.8 11.4 17.0

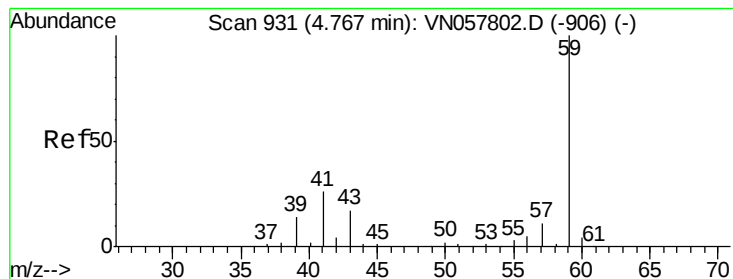


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 91.104 ug/l

RT: 4.76 min Scan# 930

Delta R.T. -0.00 min

Lab File: VN057977.D

Acq: 12 Sep 2019 18:37

Instrument :

MSVOA_N

ClientSampleId :

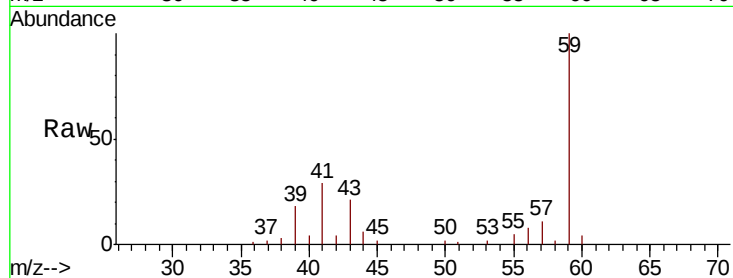
VN0913WBS02

Tgt Ion: 59 Resp: 64738

Ion Ratio Lower Upper

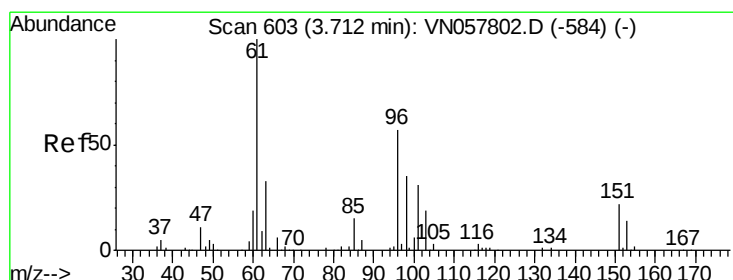
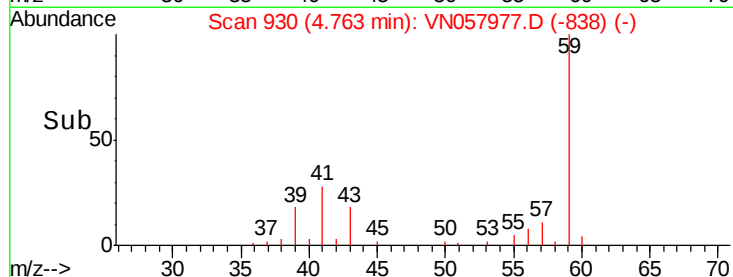
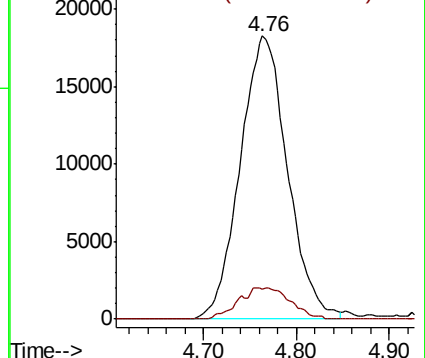
59 100

57 12.1 8.4 12.6



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 57.00 (56.70 to 57.70): VN0



#12

1,1-Dichloroethene

Concen: 19.268 ug/l

RT: 3.72 min Scan# 604

Delta R.T. 0.00 min

Lab File: VN057977.D

Acq: 12 Sep 2019 18:37

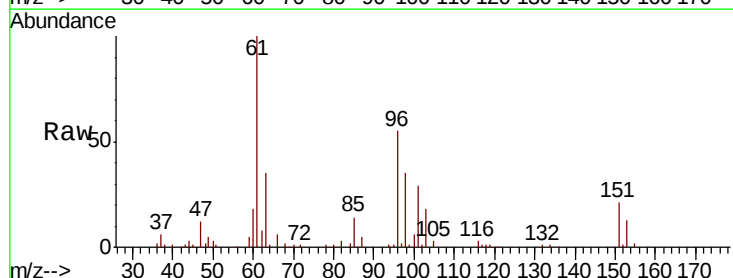
Tgt Ion: 96 Resp: 59474

Ion Ratio Lower Upper

96 100

61 181.8 141.2 211.8

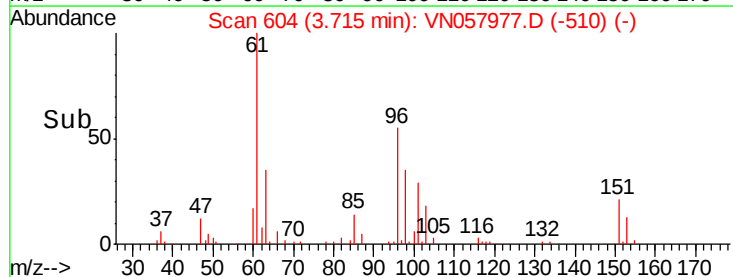
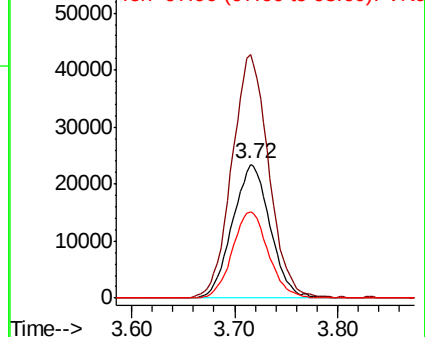
98 64.0 49.9 74.9

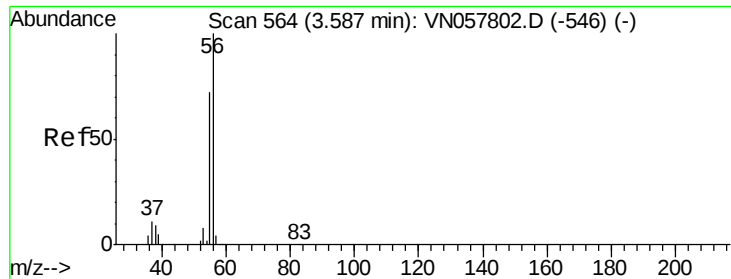


Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0





#13

Acrolein

Concen: 1.378 ug/l

RT: 3.59 min Scan# 566

Delta R.T. 0.01 min

Lab File: VN057977.D

Acq: 12 Sep 2019 18:37

Instrument :

MSVOA_N

ClientSampleId :

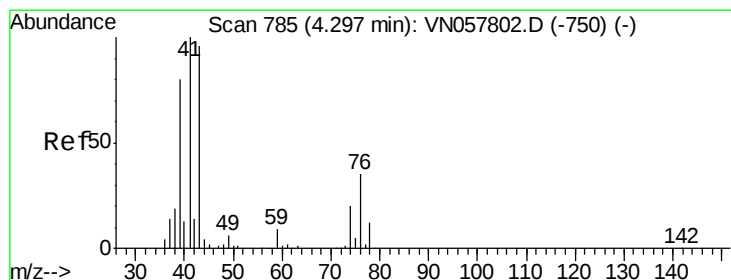
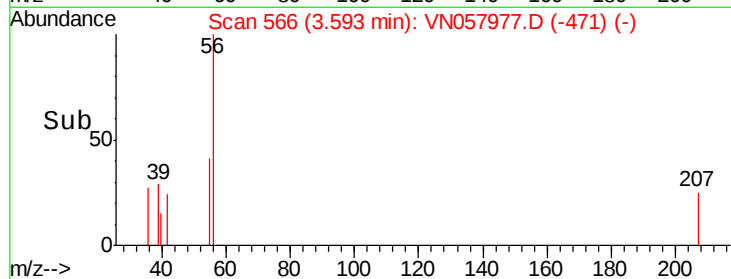
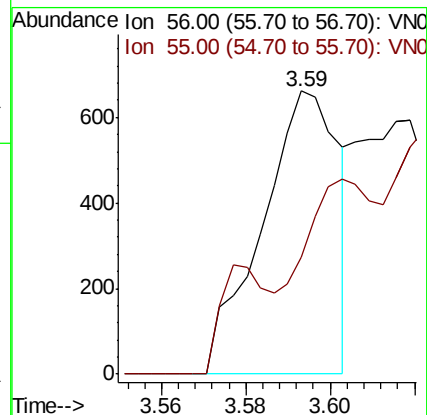
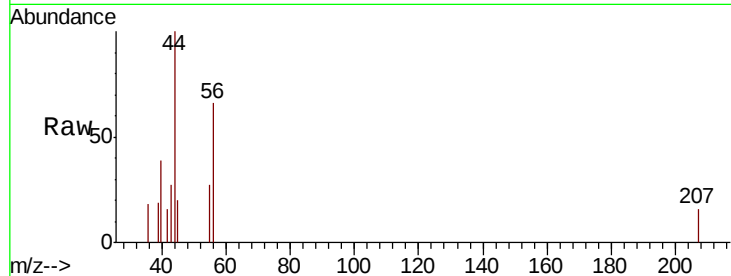
VN0913WBS02

Tgt Ion: 56 Resp: 831

Ion Ratio Lower Upper

56 100

55 69.4 57.3 85.9



#14

Allyl chloride

Concen: 18.643 ug/l

RT: 4.30 min Scan# 786

Delta R.T. 0.00 min

Lab File: VN057977.D

Acq: 12 Sep 2019 18:37

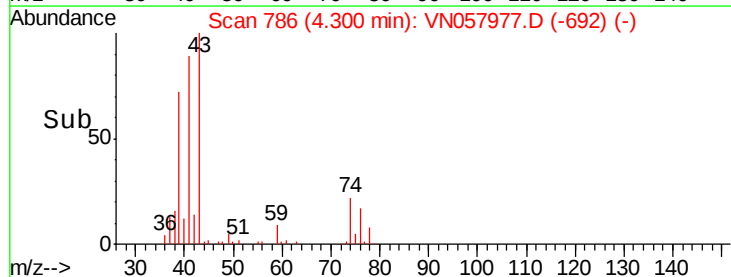
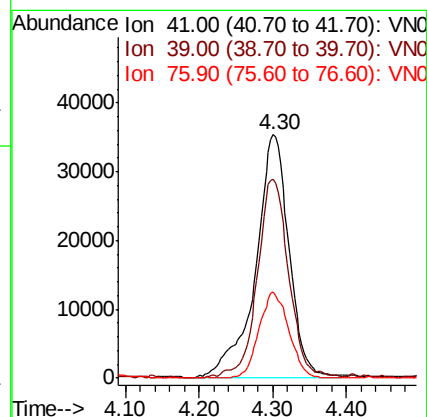
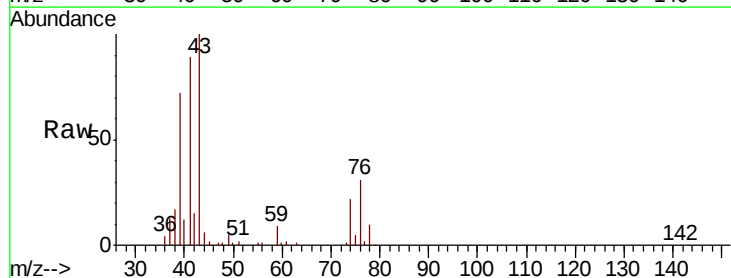
Tgt Ion: 41 Resp: 112613

Ion Ratio Lower Upper

41 100

39 76.7 59.4 89.2

76 31.1 26.0 39.0





#15

Acrylonitrile

Concen: 105.697 ug/l

RT: 4.97 min Scan# 993

Delta R.T. 0.00 min

Lab File: VN057977.D

Acq: 12 Sep 2019 18:37

Instrument :

MSVOA_N

ClientSampleId :

VN0913WBS02

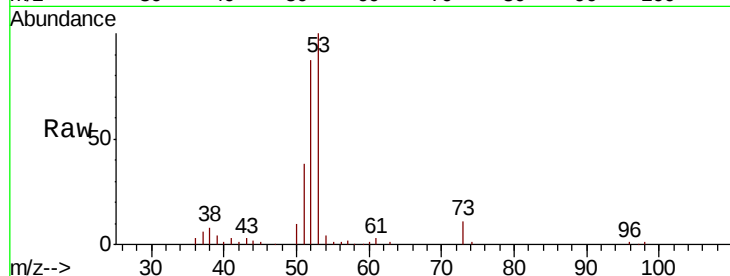
Tgt Ion: 53 Resp: 206440

Ion Ratio Lower Upper

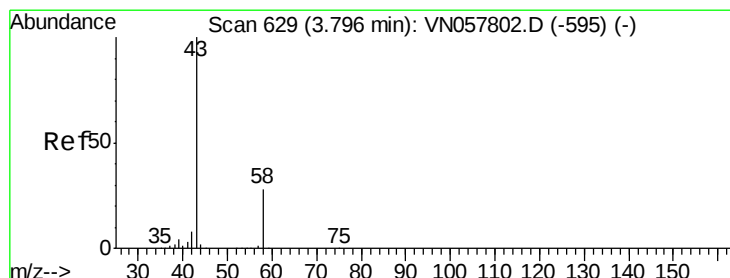
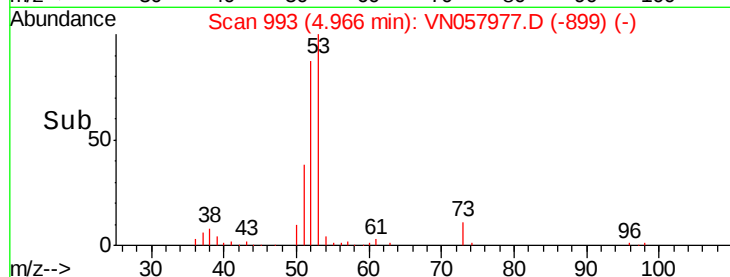
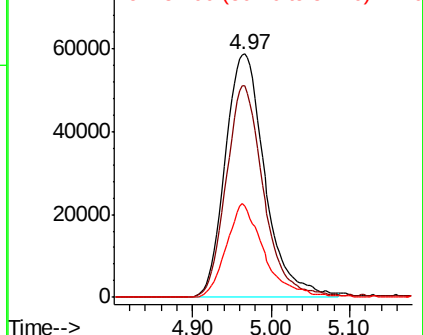
53 100

52 82.1 66.6 100.0

51 36.9 29.8 44.8



Abundance Ion 53.00 (52.70 to 53.70): VN0
Ion 52.00 (51.70 to 52.70): VN0
Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 92.228 ug/l

RT: 3.80 min Scan# 629

Delta R.T. 0.00 min

Lab File: VN057977.D

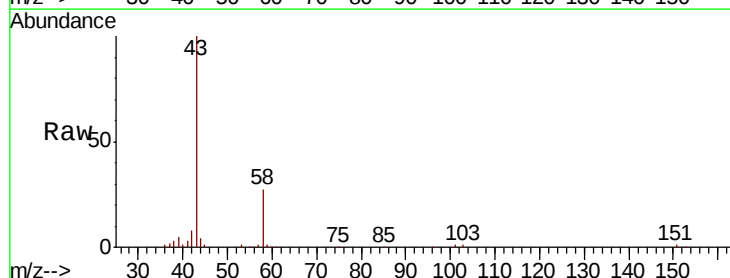
Acq: 12 Sep 2019 18:37

Tgt Ion: 43 Resp: 177507

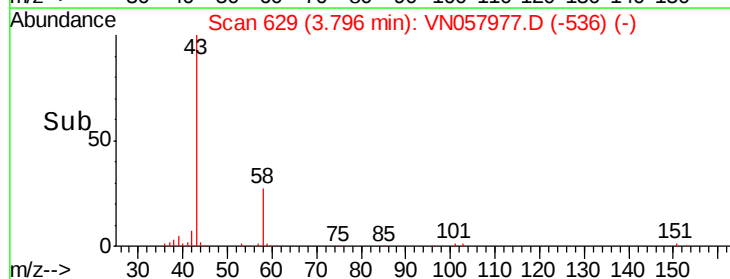
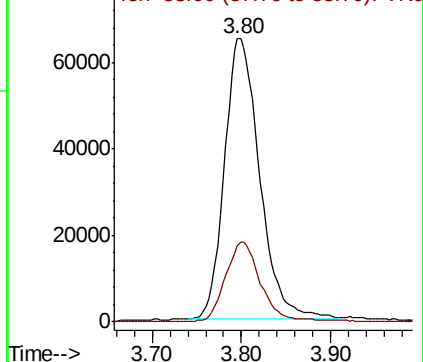
Ion Ratio Lower Upper

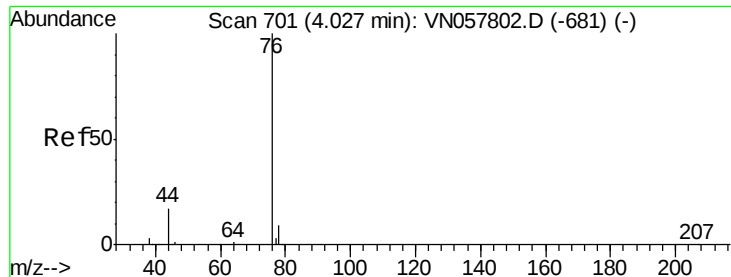
43 100

58 26.9 22.2 33.2



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

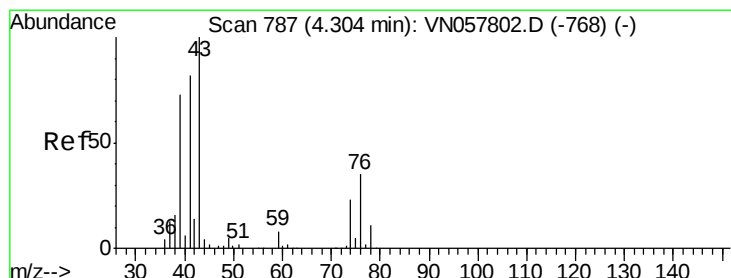
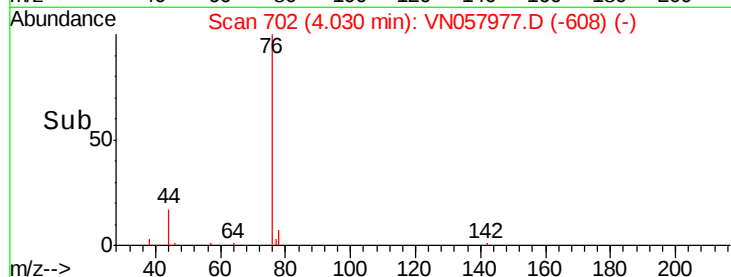
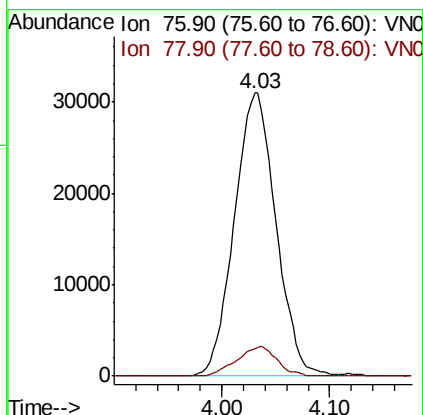
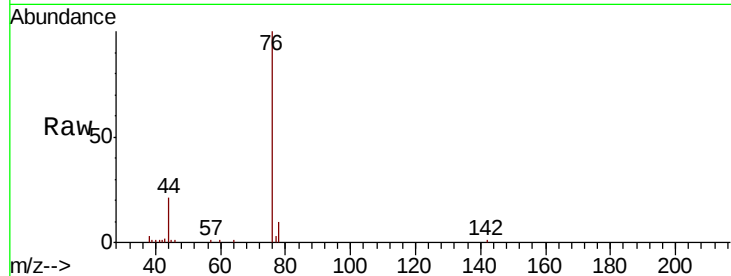




#17
Carbon Disulfide
Concen: 17.365 ug/l
RT: 4.03 min Scan# 702
Delta R.T. 0.00 min
Lab File: VN057977.D
Acq: 12 Sep 2019 18:37

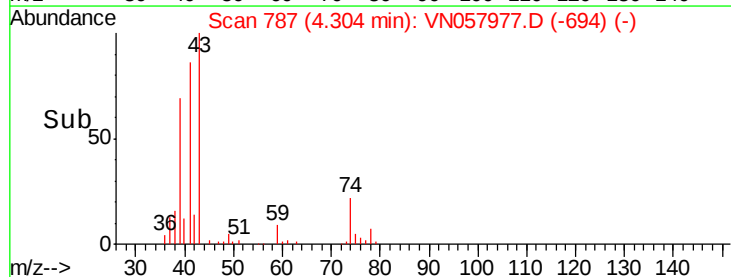
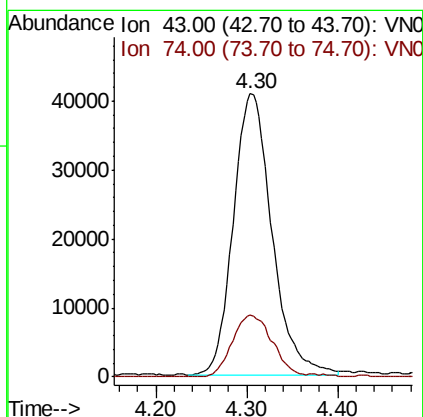
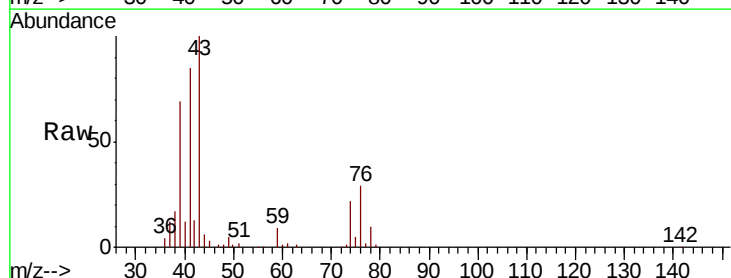
Instrument :
MSVOA_N
ClientSampleId :
VN0913WBS02

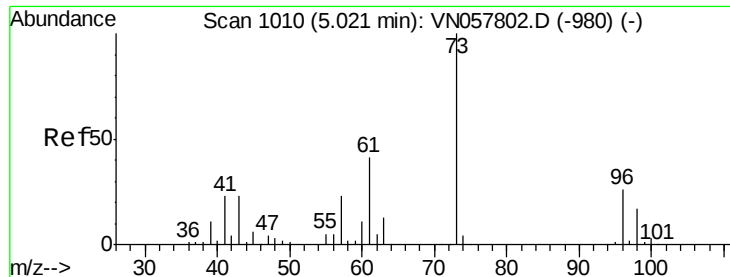
Tgt Ion: 76 Resp: 82925
Ion Ratio Lower Upper
76 100
78 9.7 7.1 10.7



#18
Methyl Acetate
Concen: 23.460 ug/l
RT: 4.30 min Scan# 787
Delta R.T. 0.00 min
Lab File: VN057977.D
Acq: 12 Sep 2019 18:37

Tgt Ion: 43 Resp: 120389
Ion Ratio Lower Upper
43 100
74 22.8 17.9 26.9

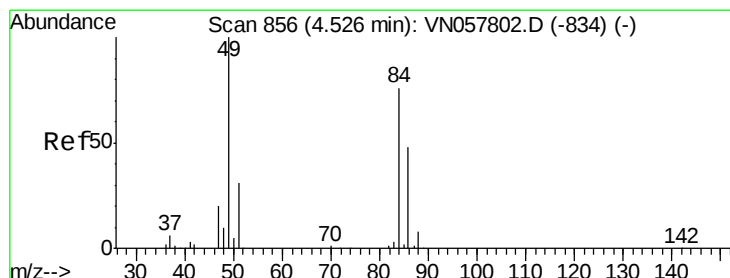
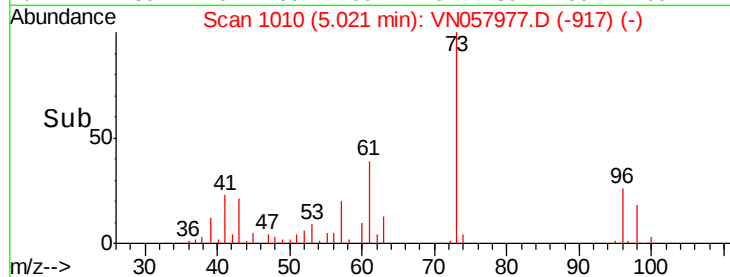
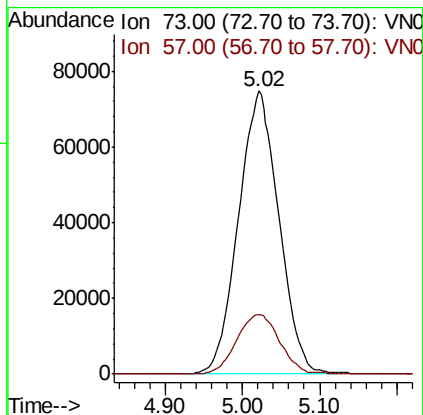
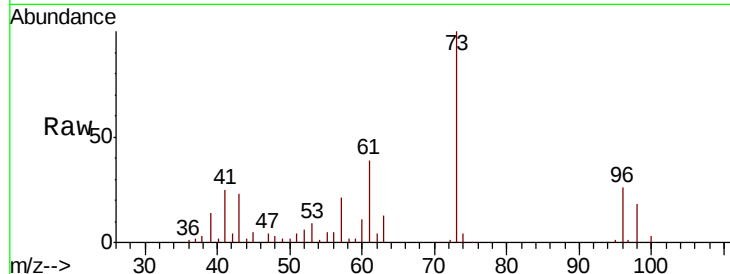




#19
Methyl tert-butyl Ether
Concen: 21.135 ug/l
RT: 5.02 min Scan# 1010
Delta R.T. 0.00 min
Lab File: VN057977.D
Acq: 12 Sep 2019 18:37

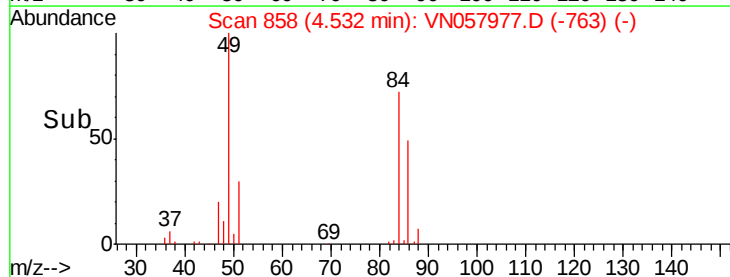
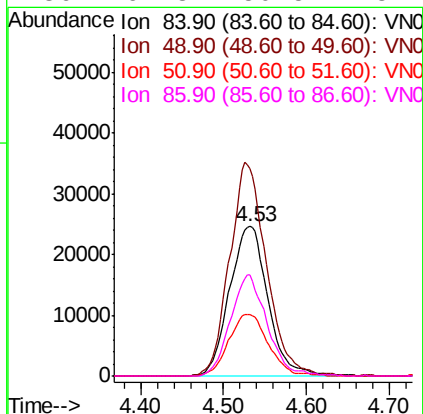
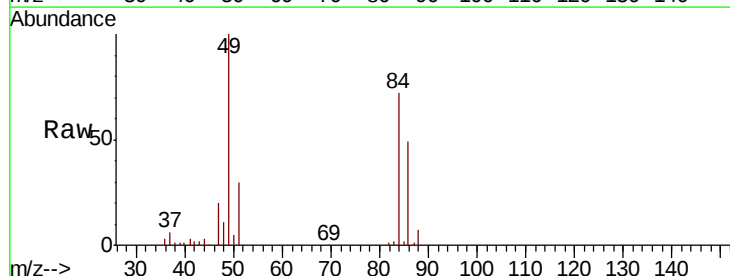
Instrument :
MSVOA_N
ClientSampleId :
VN0913WBS02

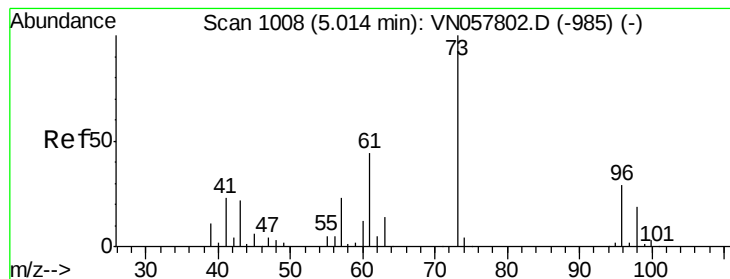
Tgt Ion: 73 Resp: 271488
Ion Ratio Lower Upper
73 100
57 21.0 18.2 27.2



#20
Methylene Chloride
Concen: 20.831 ug/l
RT: 4.53 min Scan# 858
Delta R.T. 0.01 min
Lab File: VN057977.D
Acq: 12 Sep 2019 18:37

Tgt Ion: 84 Resp: 78955
Ion Ratio Lower Upper
84 100
49 138.4 104.8 157.2
51 40.9 33.0 49.4
86 67.8 50.5 75.7





#21

trans-1,2-Dichloroethene

Concen: 18.459 ug/l

RT: 5.01 min Scan# 1008

Delta R.T. 0.00 min

Lab File: VN057977.D

Acq: 12 Sep 2019 18:37

Instrument :

MSVOA_N

ClientSampleId :

VN0913WBS02

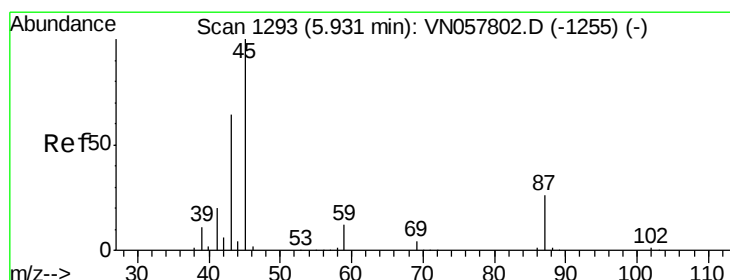
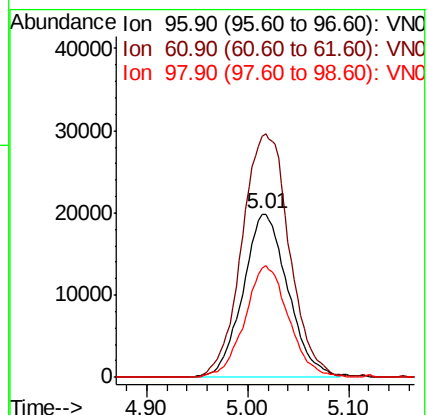
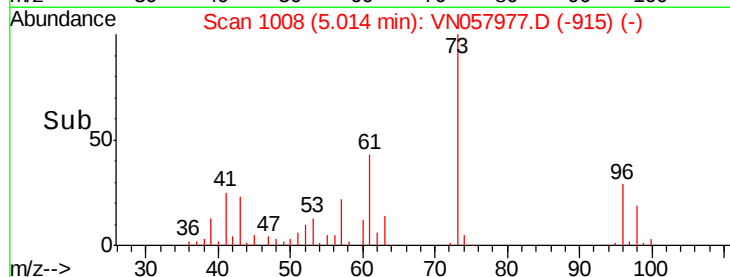
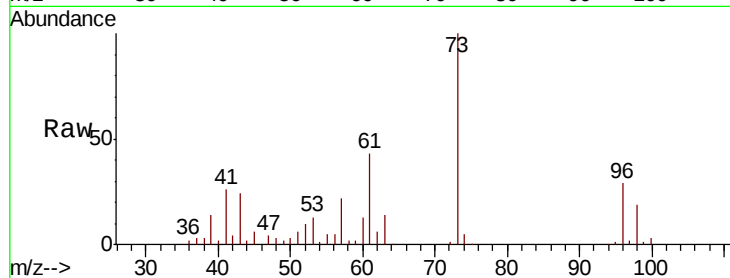
Tgt Ion: 96 Resp: 61591

Ion Ratio Lower Upper

96 100

61 147.4 121.9 182.9

98 66.7 52.2 78.4



#22

Diisopropyl ether

Concen: 20.661 ug/l

RT: 5.93 min Scan# 1293

Delta R.T. 0.00 min

Lab File: VN057977.D

Acq: 12 Sep 2019 18:37

Tgt Ion: 45 Resp: 292674

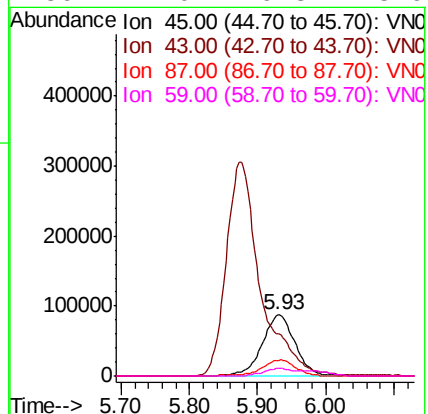
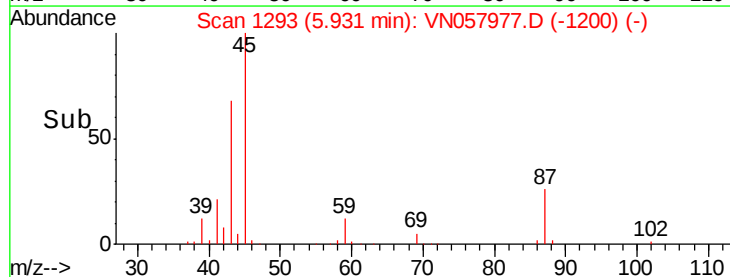
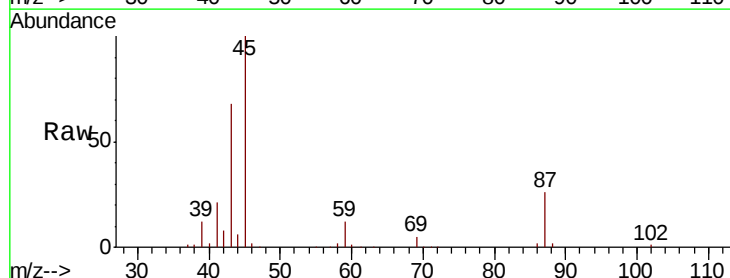
Ion Ratio Lower Upper

45 100

43 67.9 51.4 77.2

87 25.4 21.3 31.9

59 12.0 9.3 13.9





#23

Vinyl Acetate

Concen: 105.607 ug/l

RT: 5.88 min Scan# 1276

Delta R.T. 0.00 min

Lab File: VN057977.D

Acq: 12 Sep 2019 18:37

Instrument :

MSVOA_N

ClientSampleId :

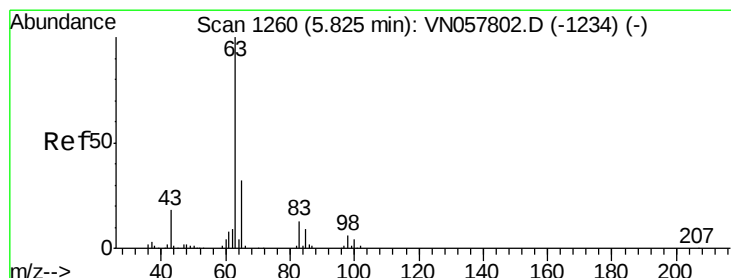
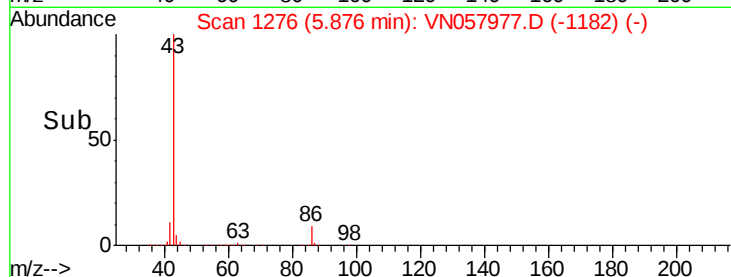
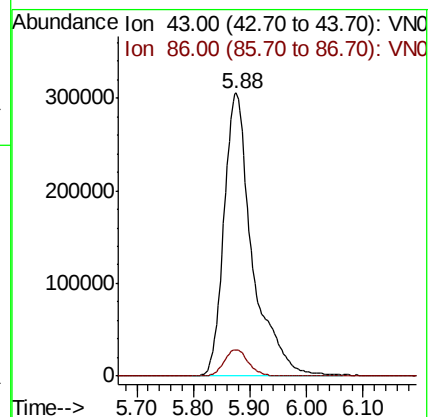
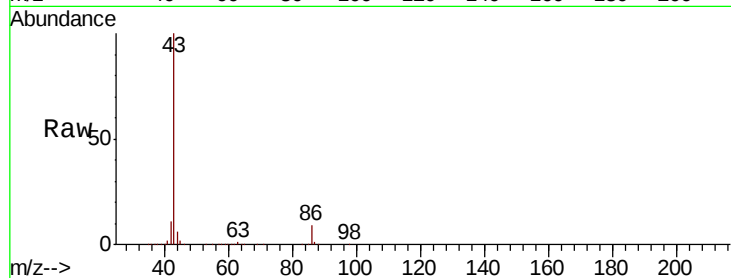
VN0913WBS02

Tgt Ion: 43 Resp: 1060207

Ion Ratio Lower Upper

43 100

86 9.3 7.7 11.5



#24

1,1-Dichloroethane

Concen: 20.573 ug/l

RT: 5.82 min Scan# 1260

Delta R.T. 0.00 min

Lab File: VN057977.D

Acq: 12 Sep 2019 18:37

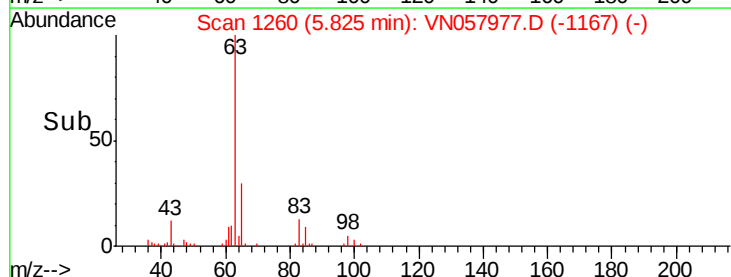
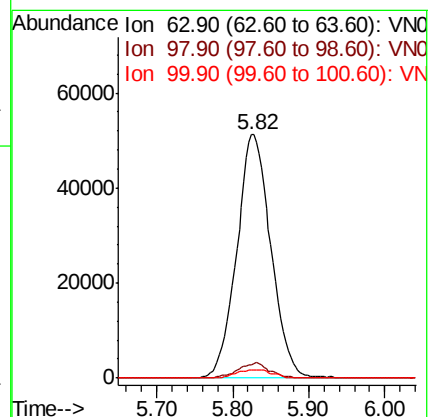
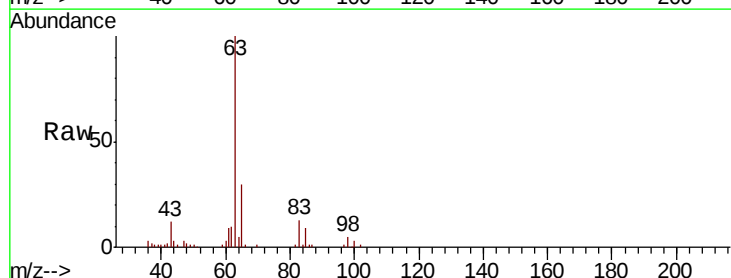
Tgt Ion: 63 Resp: 159271

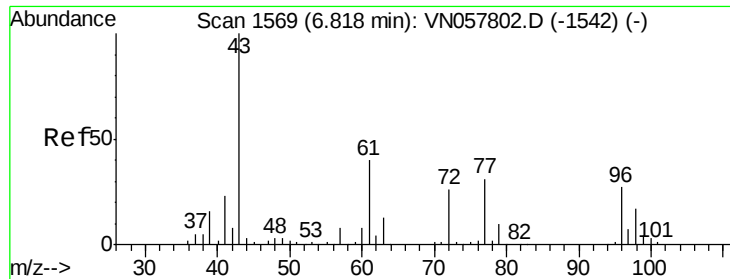
Ion Ratio Lower Upper

63 100

98 5.5 3.0 9.2

100 3.3 2.0 5.8





#25

2-Butanone

Concen: 100.405 ug/l

RT: 6.82 min Scan# 1569

Delta R.T. 0.00 min

Lab File: VN057977.D

Acq: 12 Sep 2019 18:37

Instrument :

MSVOA_N

ClientSampled :

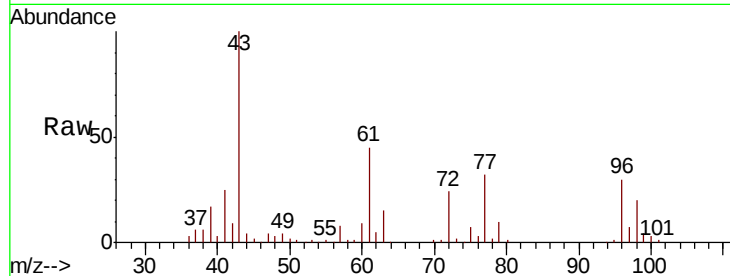
VN0913WBS02

Tgt Ion: 43 Resp: 279695

Ion Ratio Lower Upper

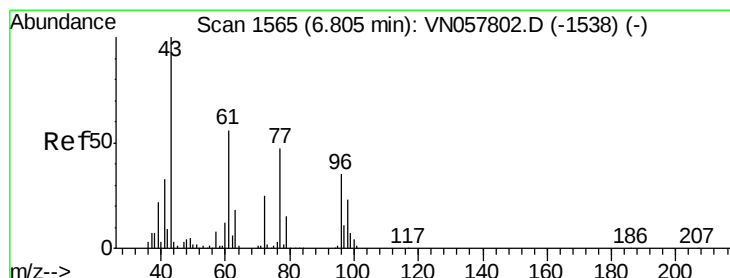
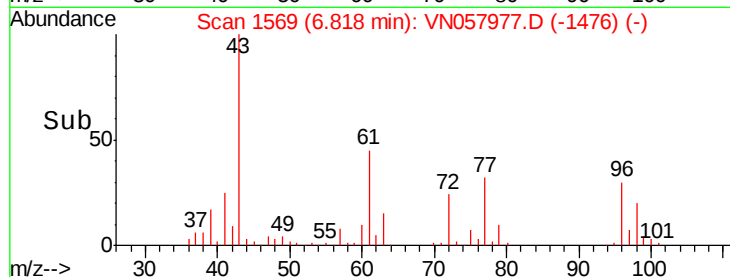
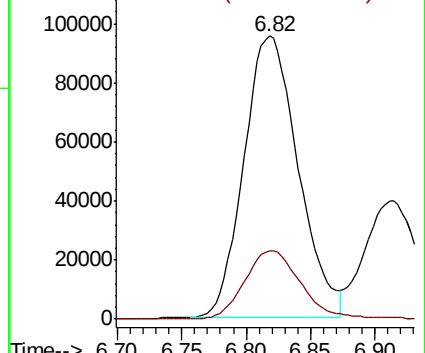
43 100

72 24.5 20.6 30.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#26

2,2-Dichloropropane

Concen: 18.966 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. 0.00 min

Lab File: VN057977.D

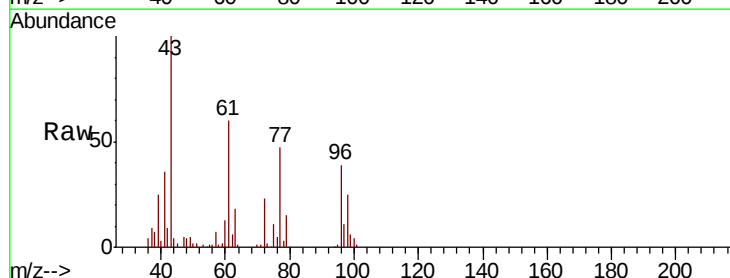
Acq: 12 Sep 2019 18:37

Tgt Ion: 77 Resp: 116202

Ion Ratio Lower Upper

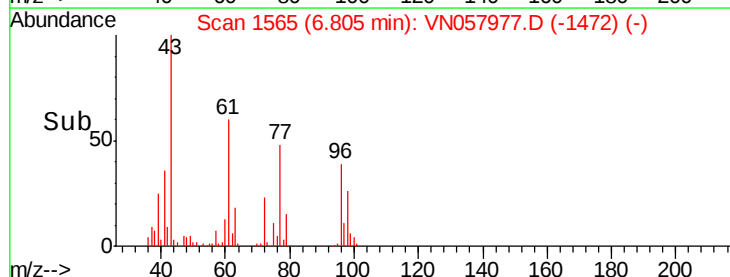
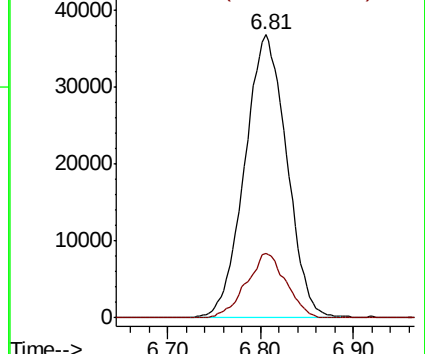
77 100

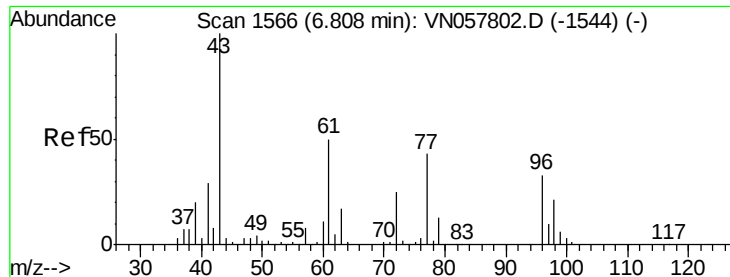
97 21.5 11.1 33.3



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0





#27

cis-1,2-Dichloroethene

Concen: 19.813 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VN057977.D

Acq: 12 Sep 2019 18:37

Instrument :

MSVOA_N

ClientSampleId :

VN0913WBS02

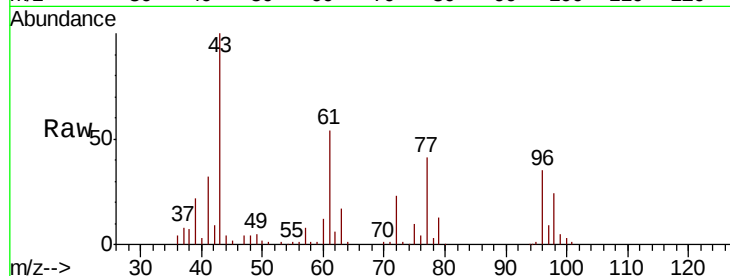
Tgt Ion: 96 Resp: 88595

Ion Ratio Lower Upper

96 100

61 158.0 0.0 314.0

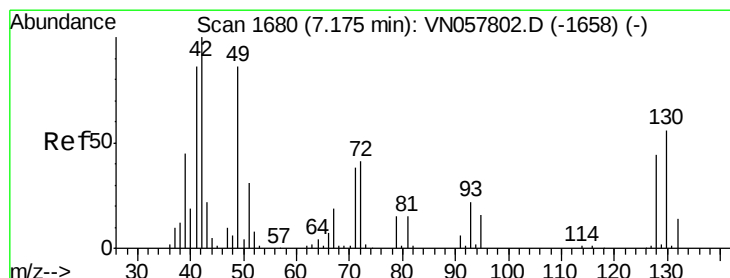
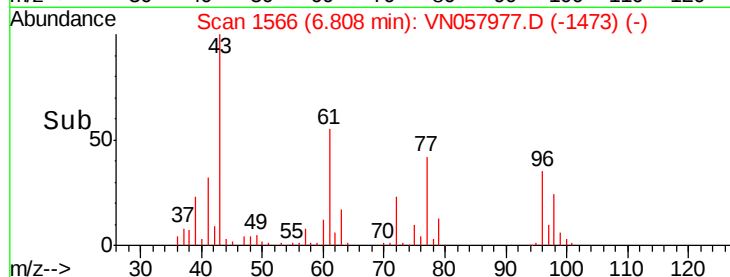
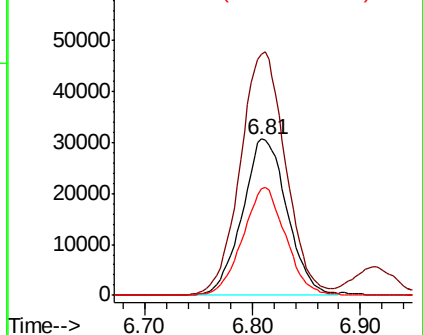
98 66.1 0.0 128.6



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 21.863 ug/l

RT: 7.18 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VN057977.D

Acq: 12 Sep 2019 18:37

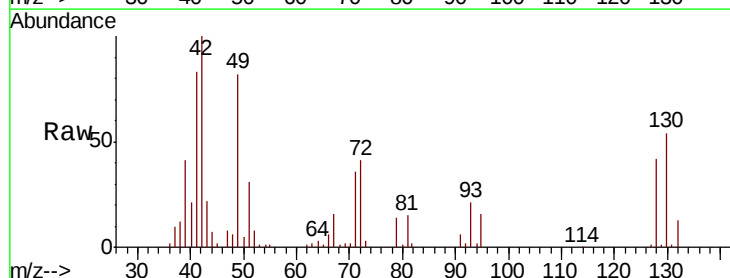
Tgt Ion: 49 Resp: 84559

Ion Ratio Lower Upper

49 100

129 0.8 0.0 3.8

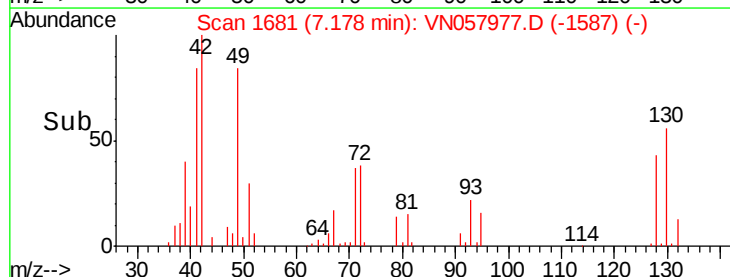
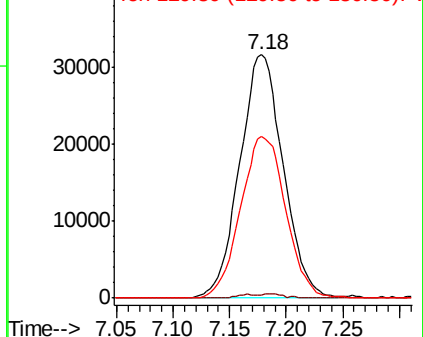
130 68.7 53.0 79.6

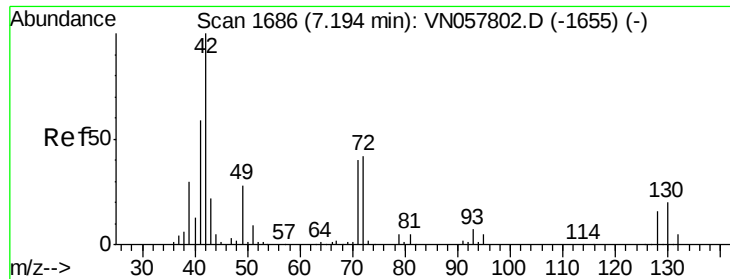


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 104.906 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. 0.00 min

Lab File: VN057977.D

Acq: 12 Sep 2019 18:37

Instrument :

MSVOA_N

ClientSampleId :

VN0913WBS02

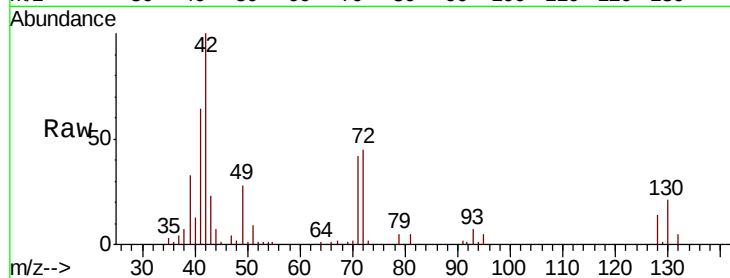
Tgt Ion: 42 Resp: 180076

Ion Ratio Lower Upper

42 100

72 41.2 33.7 50.5

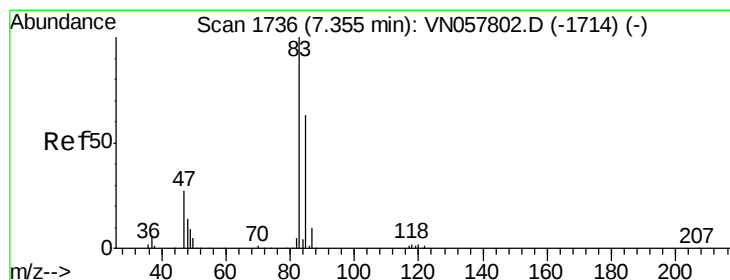
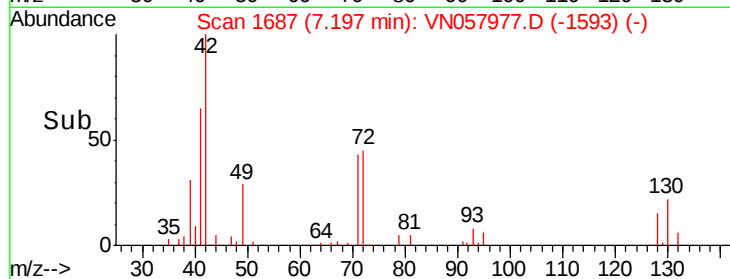
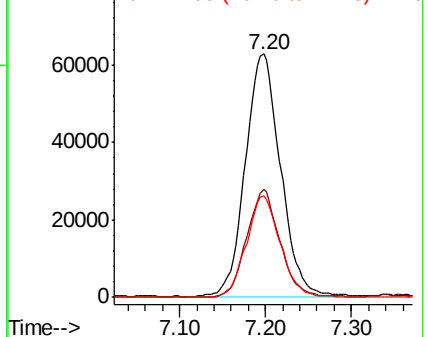
71 39.7 31.9 47.9



Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0



#30

Chloroform

Concen: 20.659 ug/l

RT: 7.36 min Scan# 1737

Delta R.T. 0.00 min

Lab File: VN057977.D

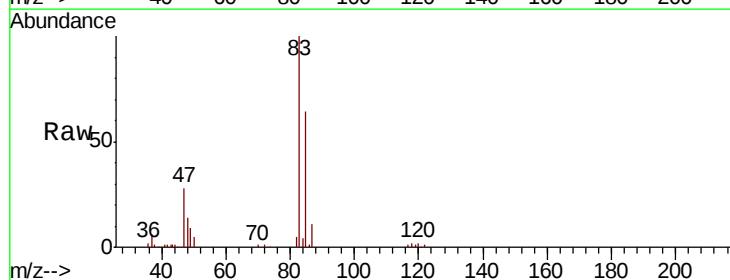
Acq: 12 Sep 2019 18:37

Tgt Ion: 83 Resp: 167234

Ion Ratio Lower Upper

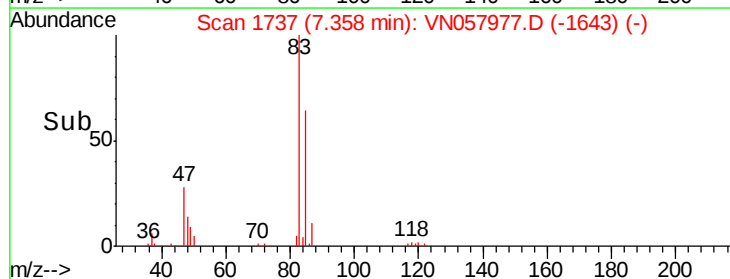
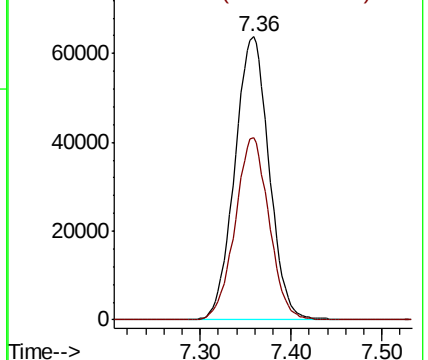
83 100

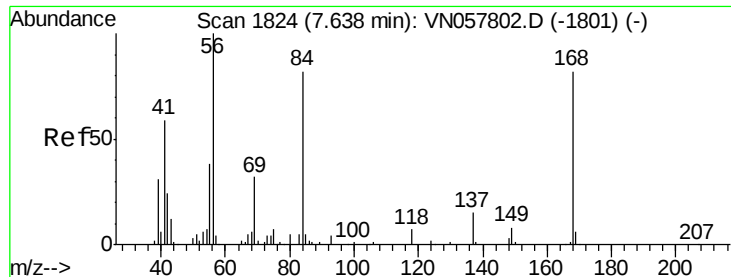
85 64.4 50.6 75.8



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

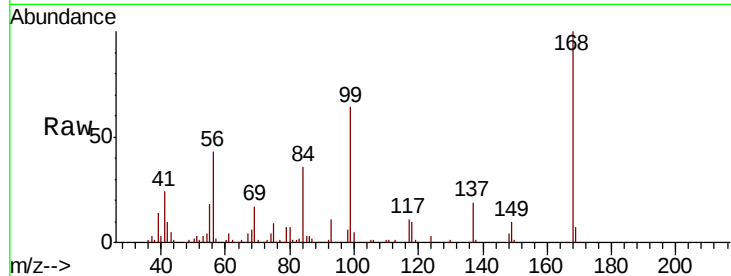




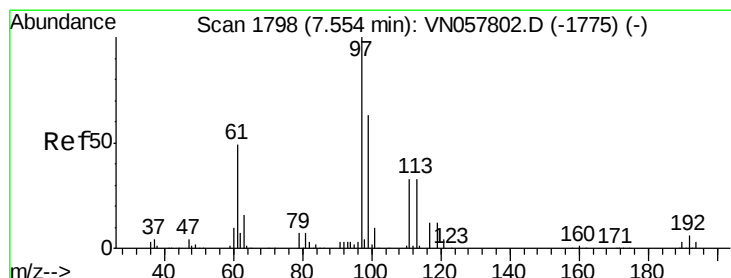
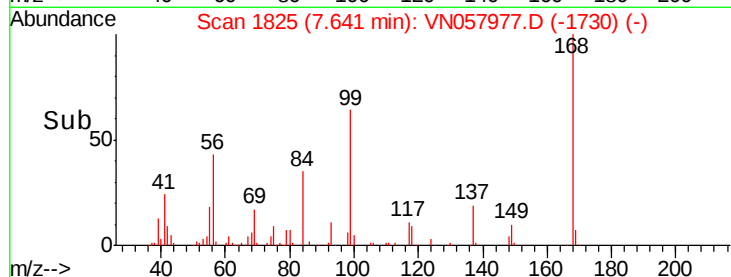
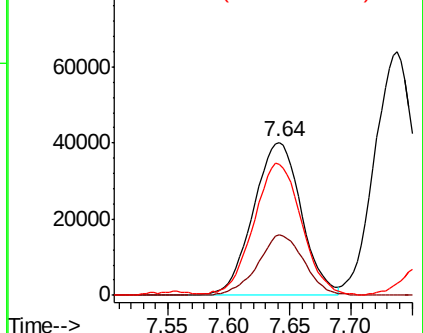
#31
Cyclohexane
Concen: 19.428 ug/l
RT: 7.64 min Scan# 1825
Delta R.T. 0.00 min
Lab File: VN057977.D
Acq: 12 Sep 2019 18:37

Instrument :
MSVOA_N
ClientSampleId :
VN0913WBS02

Tgt Ion: 56 Resp: 109713
Ion Ratio Lower Upper
56 100
69 39.9 25.9 38.9#
84 84.0 65.6 98.4

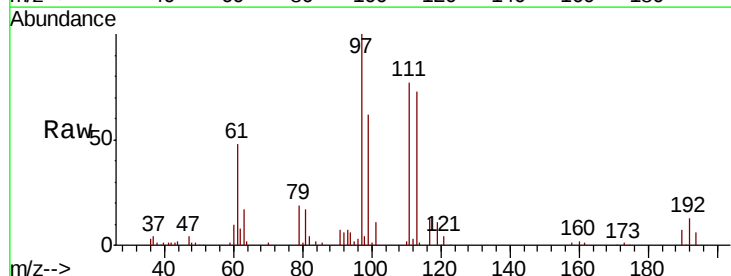


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

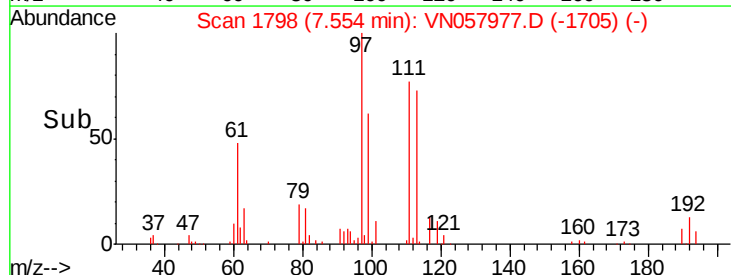
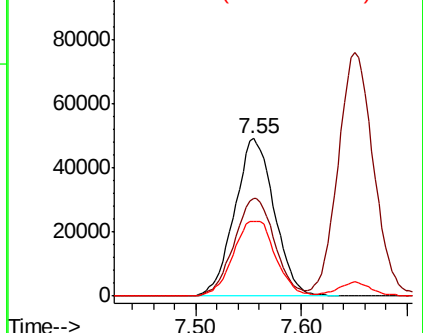


#32
1,1,1-Trichloroethane
Concen: 20.013 ug/l
RT: 7.55 min Scan# 1798
Delta R.T. 0.00 min
Lab File: VN057977.D
Acq: 12 Sep 2019 18:37

Tgt Ion: 97 Resp: 128482
Ion Ratio Lower Upper
97 100
99 63.0 51.0 76.4
61 50.6 39.0 58.6



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

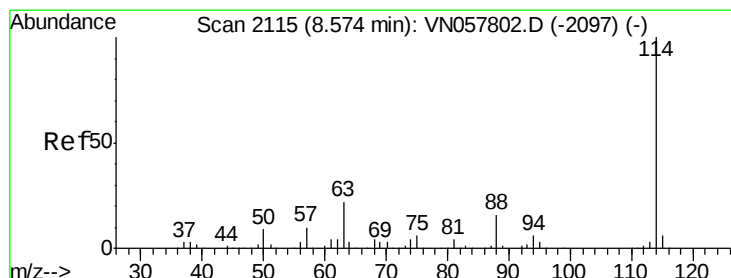
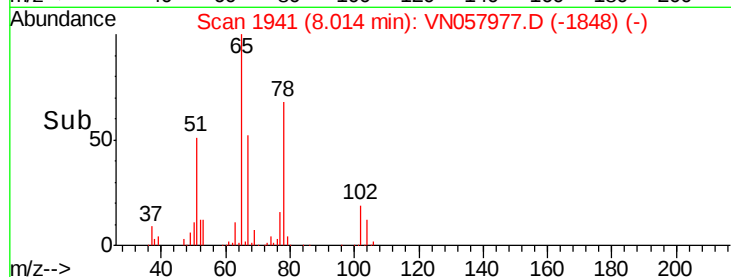
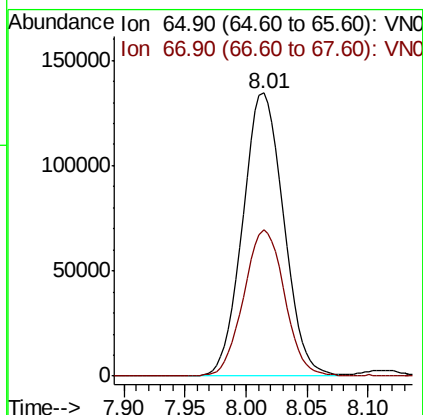
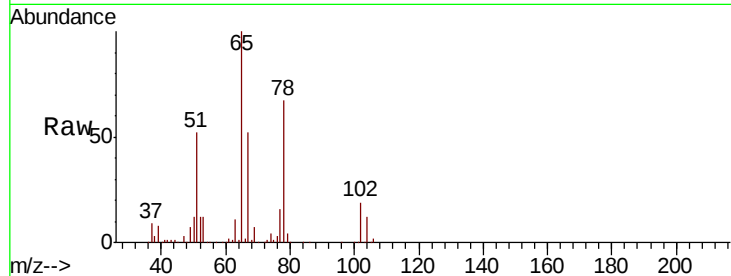




#33
 1,2-Dichloroethane-d4
 Concen: 53.178 ug/l
 RT: 8.01 min Scan# 1941
 Delta R.T. 0.00 min
 Lab File: VN057977.D
 Acq: 12 Sep 2019 18:37

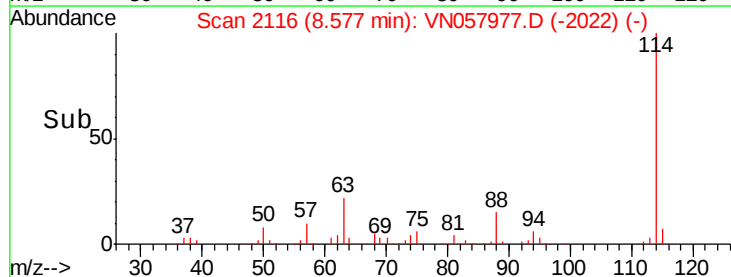
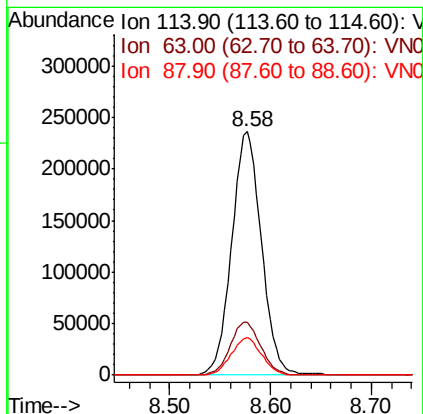
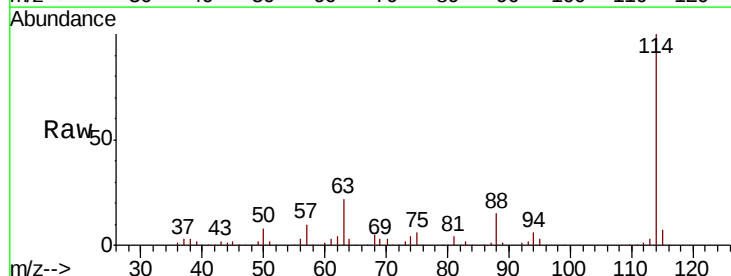
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0913WBS02

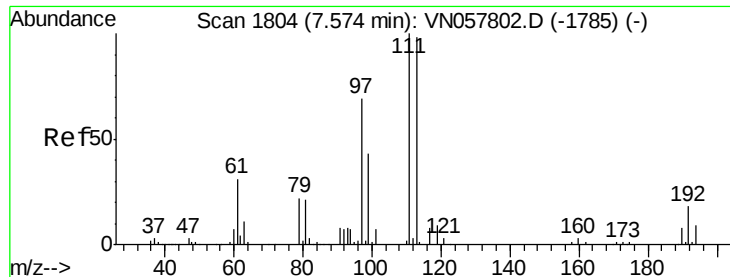
Tgt Ion: 65 Resp: 312215
 Ion Ratio Lower Upper
 65 100
 67 51.6 0.0 104.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2116
 Delta R.T. 0.00 min
 Lab File: VN057977.D
 Acq: 12 Sep 2019 18:37

Tgt Ion: 114 Resp: 483264
 Ion Ratio Lower Upper
 114 100
 63 21.7 0.0 44.0
 88 15.3 0.0 31.4

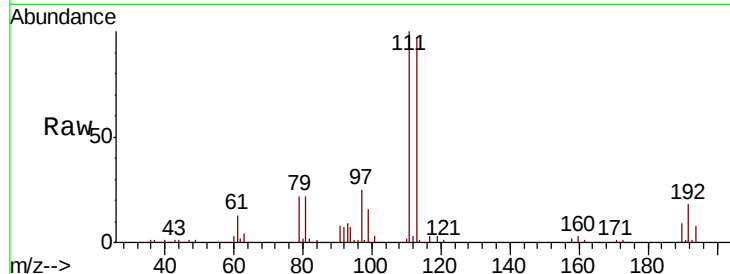




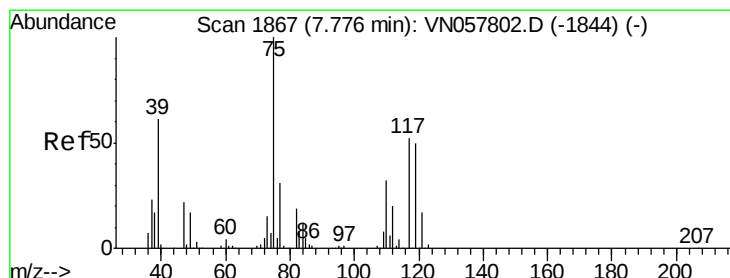
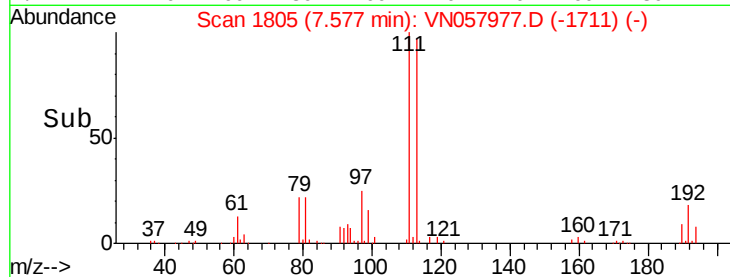
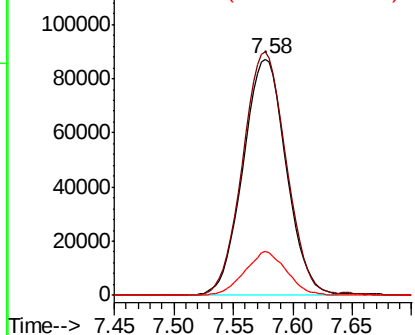
#35
 Dibromofluoromethane
 Concen: 49.271 ug/l
 RT: 7.58 min Scan# 1805
 Delta R.T. 0.00 min
 Lab File: VN057977.D
 Acq: 12 Sep 2019 18:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0913WBS02

Tgt Ion: 113 Resp: 219766
 Ion Ratio Lower Upper
 113 100
 111 103.7 81.3 121.9
 192 17.9 14.6 22.0

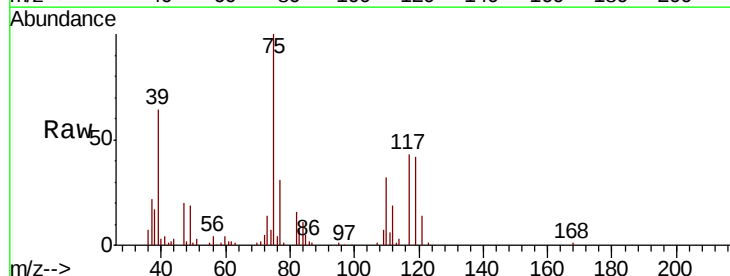


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

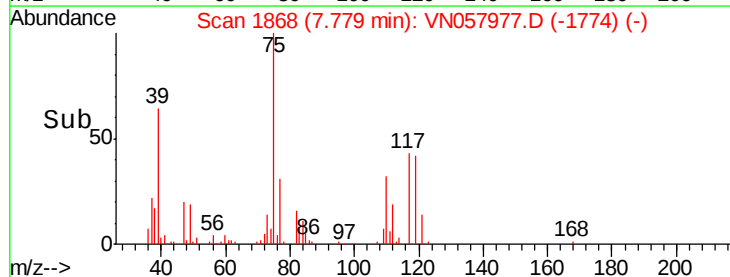
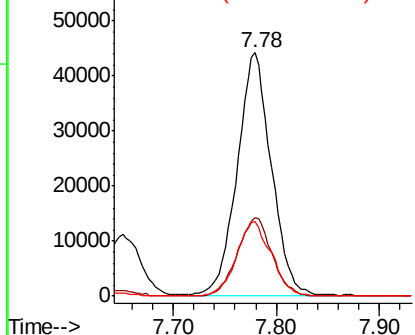


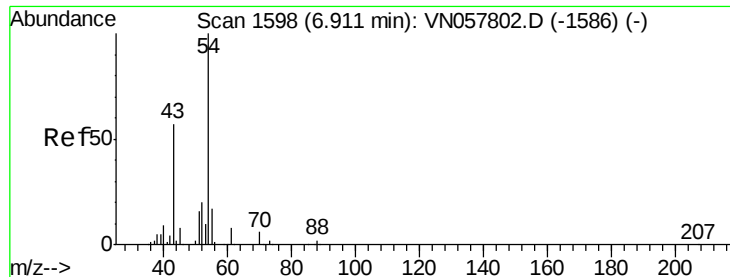
#36
 1,1-Dichloropropene
 Concen: 18.088 ug/l
 RT: 7.78 min Scan# 1868
 Delta R.T. 0.00 min
 Lab File: VN057977.D
 Acq: 12 Sep 2019 18:37

Tgt Ion: 75 Resp: 101376
 Ion Ratio Lower Upper
 75 100
 110 32.8 16.3 48.9
 77 31.4 25.0 37.4



Abundance Ion 74.90 (74.60 to 75.60): V
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): V

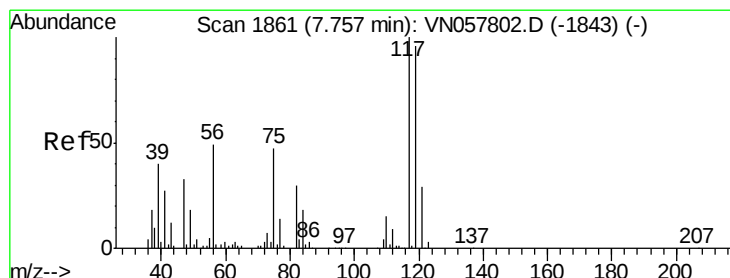
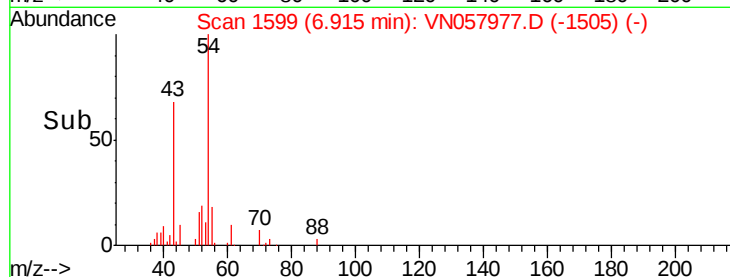
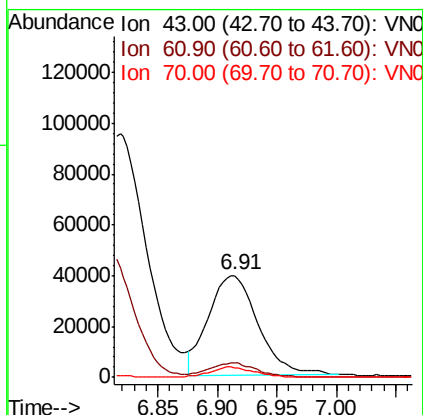
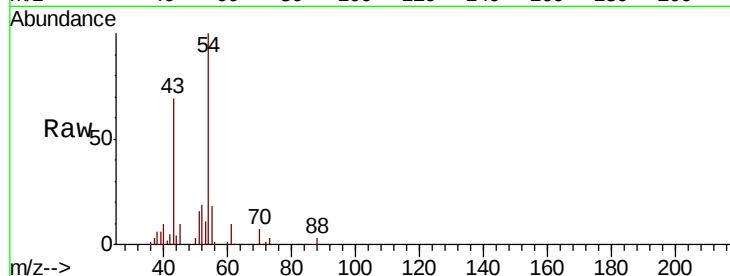




#37
 Ethyl Acetate
 Concen: 19.615 ug/l
 RT: 6.91 min Scan# 1599
 Delta R.T. 0.00 min
 Lab File: VN057977.D
 Acq: 12 Sep 2019 18:37

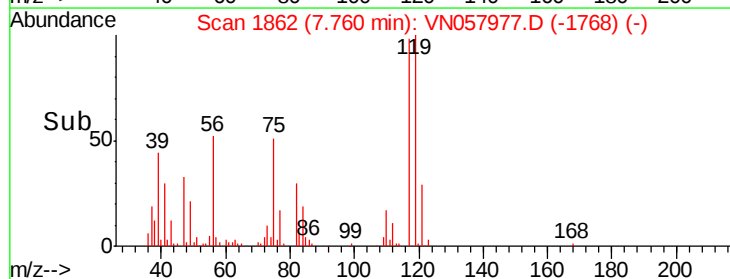
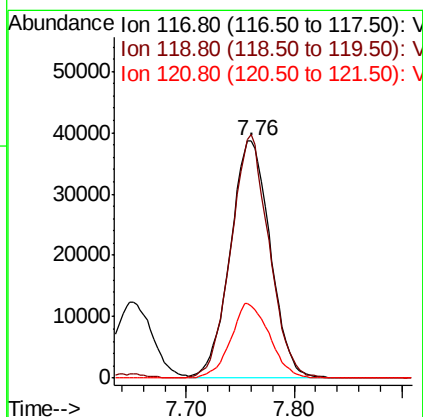
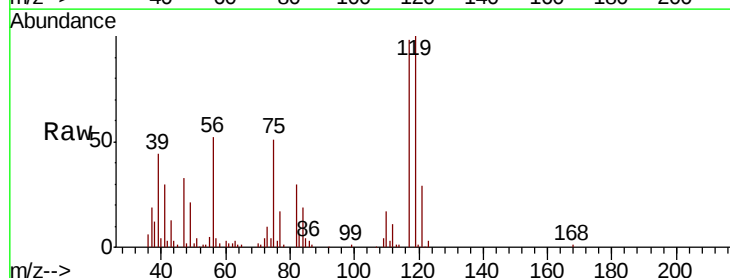
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0913WBS02

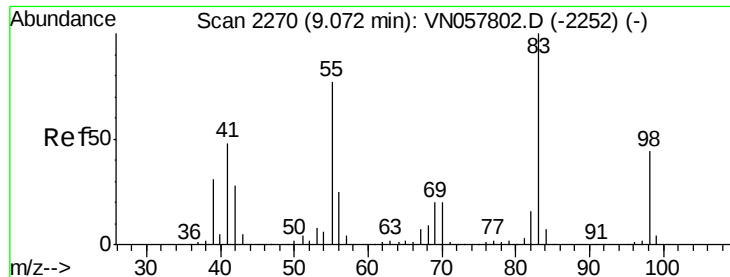
Tgt Ion: 43 Resp: 113580
 Ion Ratio Lower Upper
 43 100
 61 13.3 10.5 15.7
 70 9.3 7.4 11.0



#38
 Carbon Tetrachloride
 Concen: 19.541 ug/l
 RT: 7.76 min Scan# 1862
 Delta R.T. 0.00 min
 Lab File: VN057977.D
 Acq: 12 Sep 2019 18:37

Tgt Ion: 117 Resp: 99991
 Ion Ratio Lower Upper
 117 100
 119 102.5 76.9 115.3
 121 30.1 23.4 35.2

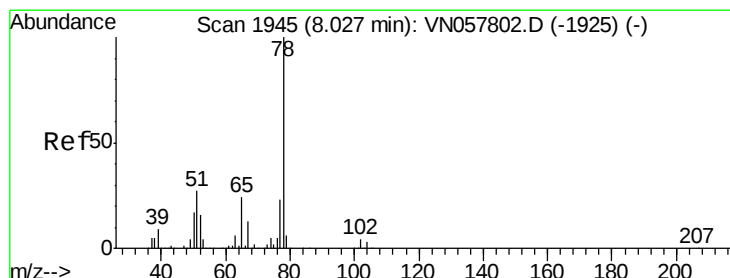
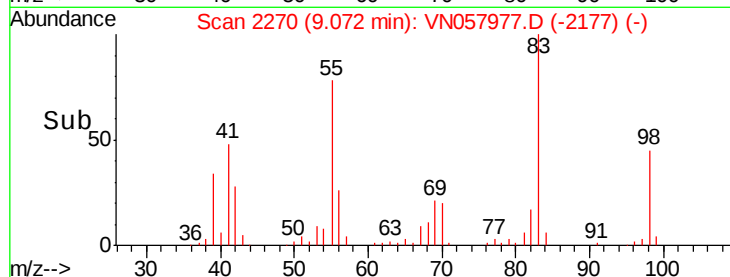
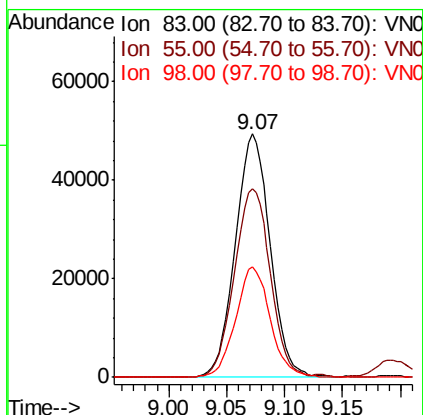
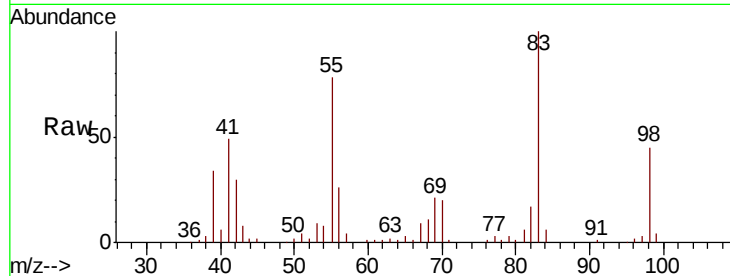




#39
Methylcyclohexane
Concen: 17.491 ug/l
RT: 9.07 min Scan# 2270
Delta R.T. 0.00 min
Lab File: VN057977.D
Acq: 12 Sep 2019 18:37

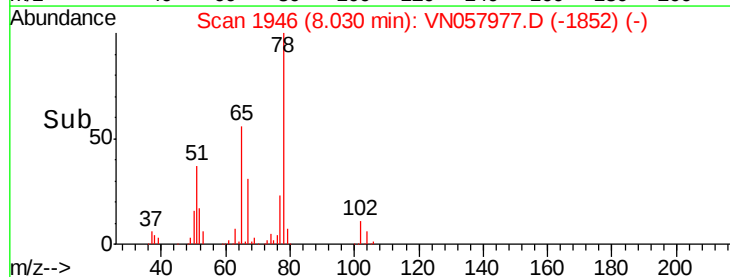
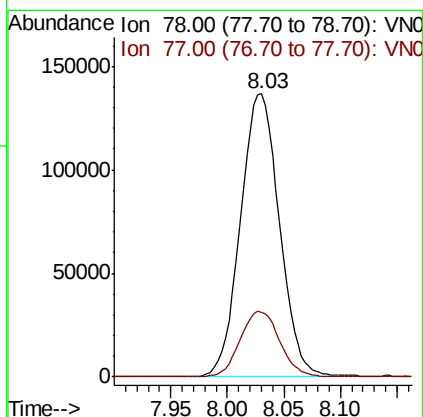
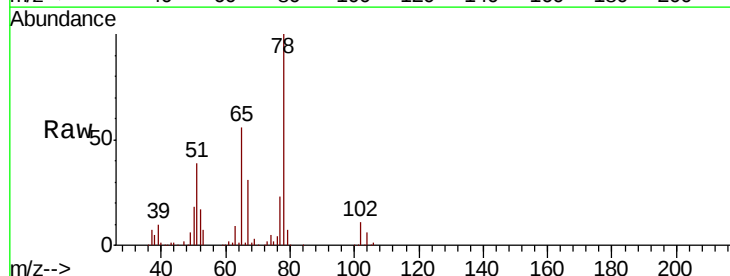
Instrument :
MSVOA_N
ClientSampleId :
VN0913WBS02

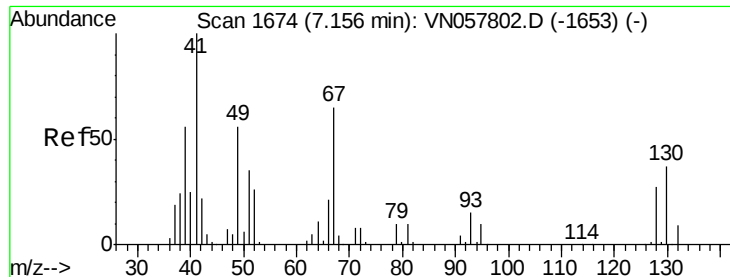
Tgt Ion: 83 Resp: 103050
Ion Ratio Lower Upper
83 100
55 77.6 61.6 92.4
98 45.4 34.9 52.3



#40
Benzene
Concen: 19.426 ug/l
RT: 8.03 min Scan# 1946
Delta R.T. 0.00 min
Lab File: VN057977.D
Acq: 12 Sep 2019 18:37

Tgt Ion: 78 Resp: 327781
Ion Ratio Lower Upper
78 100
77 23.0 18.3 27.5





#41

Methacrylonitrile

Concen: 21.554 ug/l

RT: 7.16 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VN057977.D

Acq: 12 Sep 2019 18:37

Instrument :

MSVOA_N

ClientSampleId :

VN0913WBS02

Tgt Ion: 41 Resp: 56656

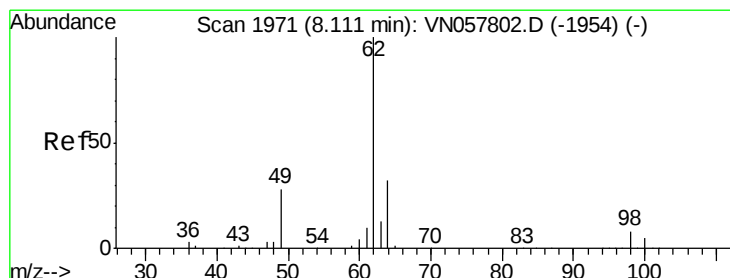
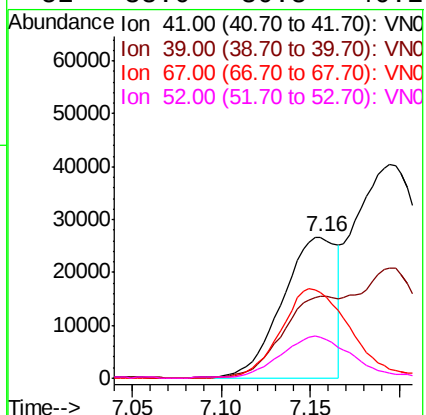
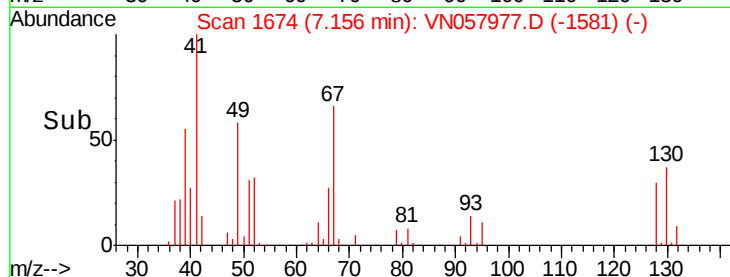
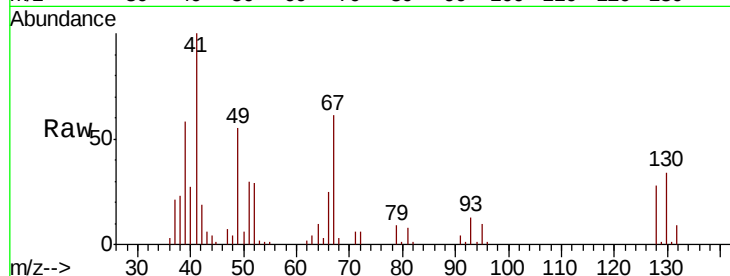
Ion Ratio Lower Upper

41 100

39 58.7 51.0 76.6

67 81.8 70.7 106.1

52 38.0 30.8 46.2



#42

1,2-Dichloroethane

Concen: 20.438 ug/l

RT: 8.11 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VN057977.D

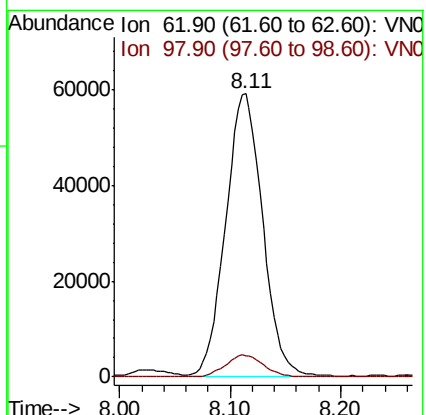
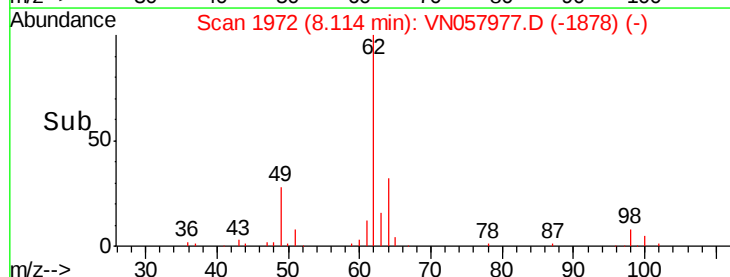
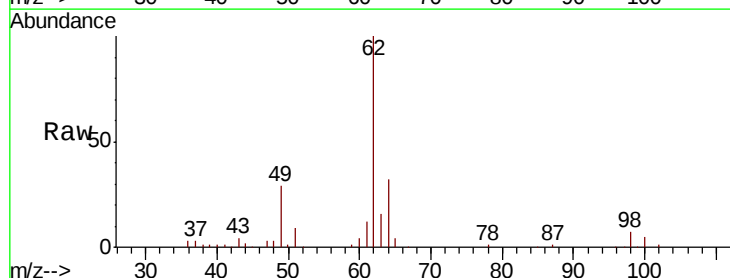
Acq: 12 Sep 2019 18:37

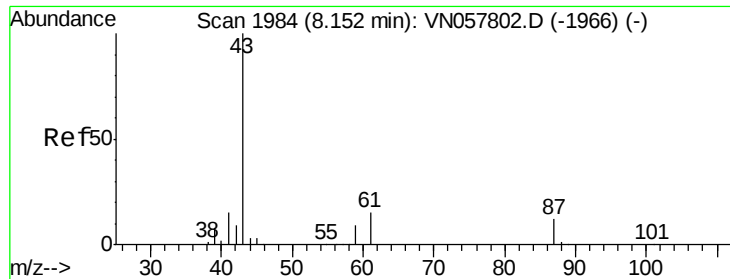
Tgt Ion: 62 Resp: 137924

Ion Ratio Lower Upper

62 100

98 7.9 0.0 15.8





#43

Isopropyl Acetate

Concen: 25.682 ug/l

RT: 8.16 min Scan# 1985

Delta R.T. 0.00 min

Lab File: VN057977.D

Acq: 12 Sep 2019 18:37

Instrument :

MSVOA_N

ClientSampleId :

VN0913WBS02

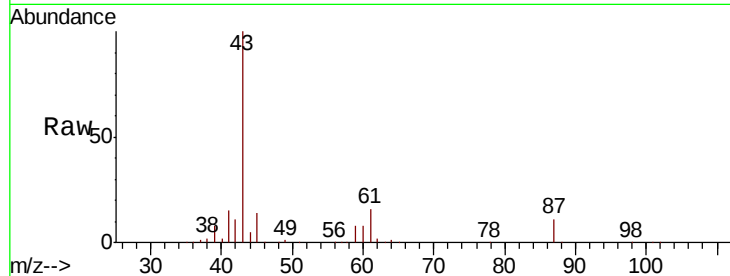
Tgt Ion: 43 Resp: 250089

Ion Ratio Lower Upper

43 100

61 14.2 20.1 30.1#

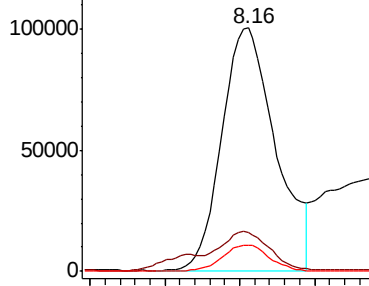
87 9.5 9.5 14.3#



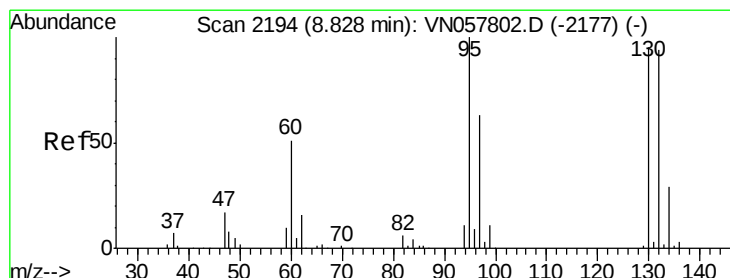
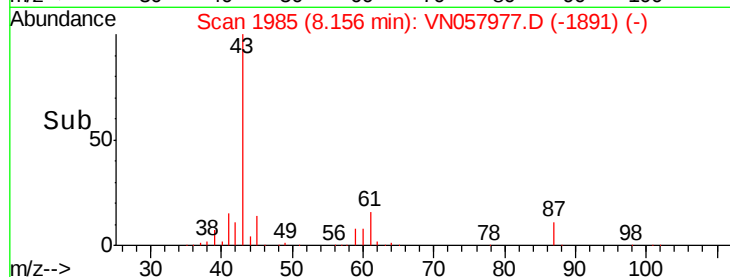
Abundance Ion 43.00 (42.70 to 43.70): VN057977.D (-2101) (-)

Ion 61.00 (60.70 to 61.70): VN057977.D (-2101) (-)

Ion 87.00 (86.70 to 87.70): VN057977.D (-2101) (-)



Time-->



#44

Trichloroethene

Concen: 19.099 ug/l

RT: 8.83 min Scan# 2194

Delta R.T. 0.00 min

Lab File: VN057977.D

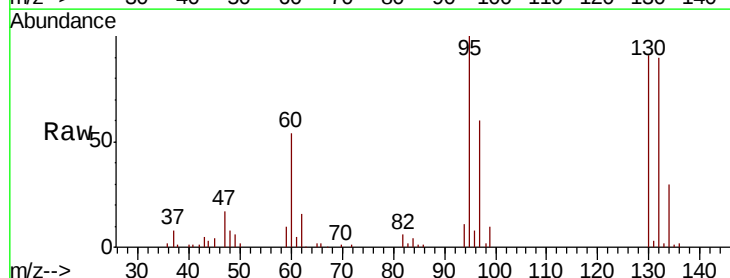
Acq: 12 Sep 2019 18:37

Tgt Ion: 130 Resp: 79042

Ion Ratio Lower Upper

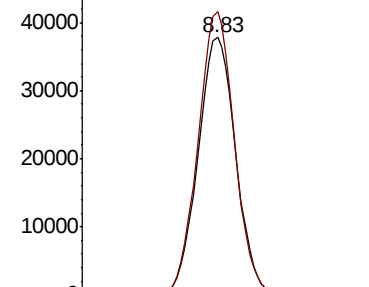
130 100

95 109.9 0.0 211.4

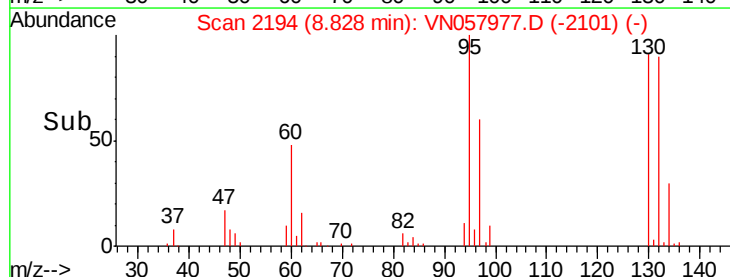


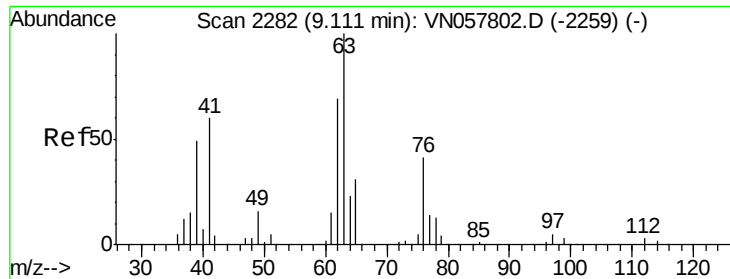
Abundance Ion 129.80 (129.50 to 130.50): VN057977.D (-2101) (-)

Ion 94.90 (94.60 to 95.60): VN057977.D (-2101) (-)



Time-->

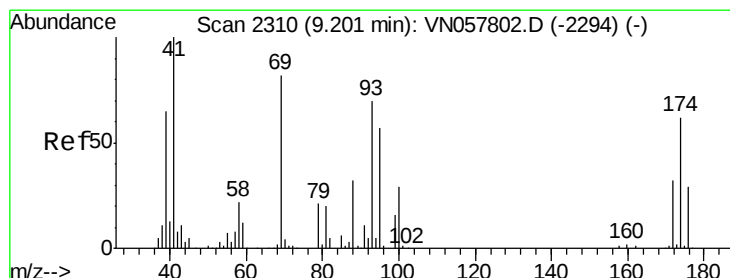
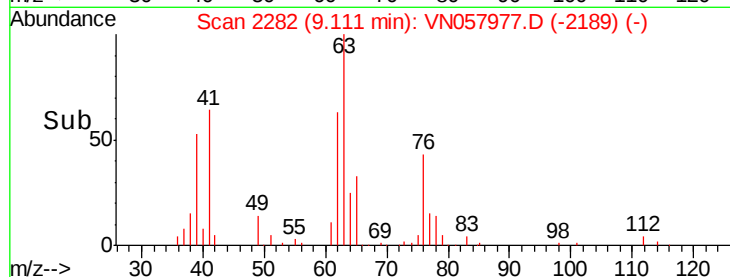
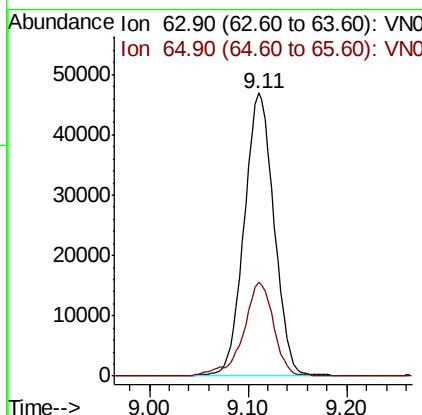
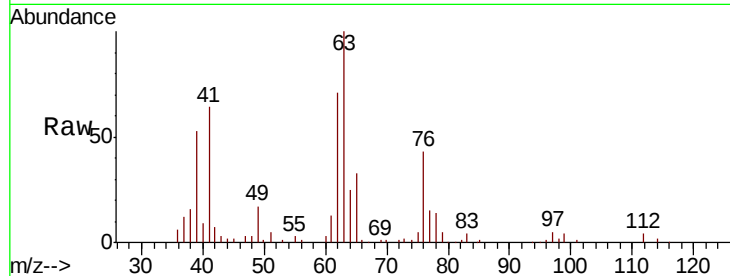




#45
 1,2-Dichloropropane
 Concen: 19.974 ug/l
 RT: 9.11 min Scan# 2282
 Delta R.T. 0.00 min
 Lab File: VN057977.D
 Acq: 12 Sep 2019 18:37

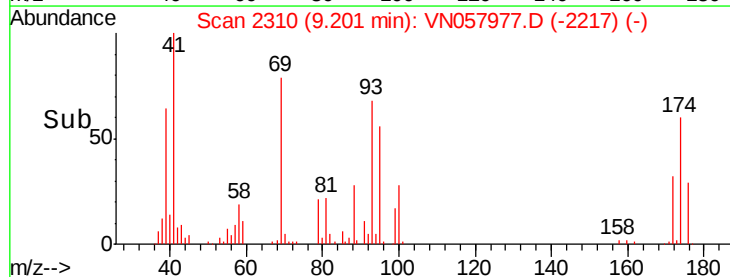
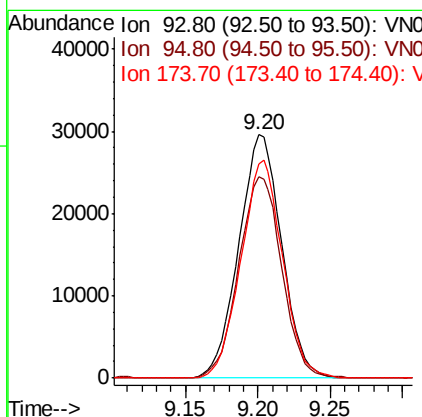
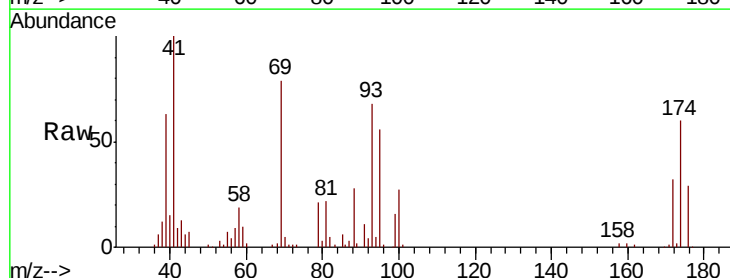
Instrument :
 MSVOA_N
 ClientSampled :
 VN0913WBS02

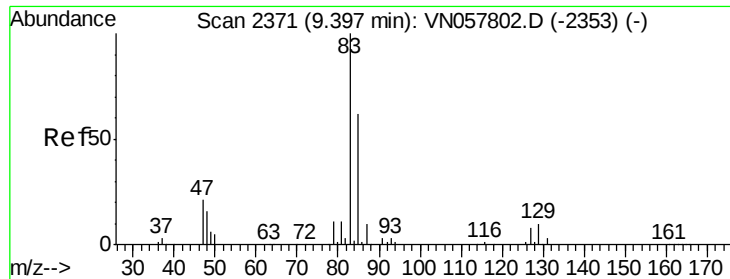
Tgt Ion: 63 Resp: 98070
 Ion Ratio Lower Upper
 63 100
 65 33.3 24.8 37.2



#46
 Dibromomethane
 Concen: 20.480 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN057977.D
 Acq: 12 Sep 2019 18:37

Tgt Ion: 93 Resp: 60764
 Ion Ratio Lower Upper
 93 100
 95 83.1 65.9 98.9
 174 87.0 71.8 107.6





#47

Bromodichloromethane

Concen: 20.485 ug/l

RT: 9.40 min Scan# 2371

Delta R.T. 0.00 min

Lab File: VN057977.D

Acq: 12 Sep 2019 18:37

Instrument :

MSVOA_N

ClientSampleId :

VN0913WBS02

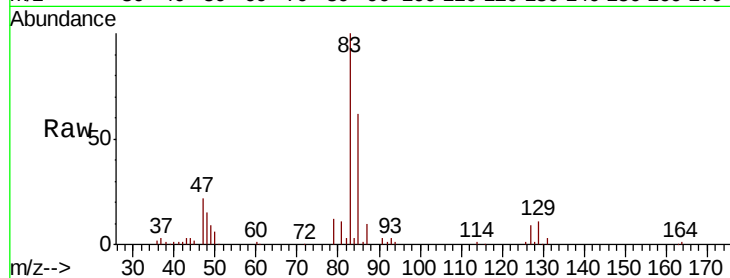
Tgt Ion: 83 Resp: 121366

Ion Ratio Lower Upper

83 100

85 61.9 49.9 74.9

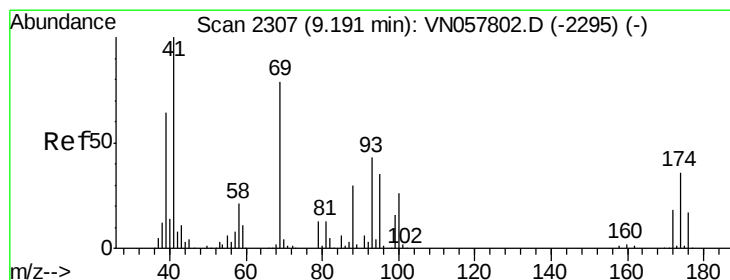
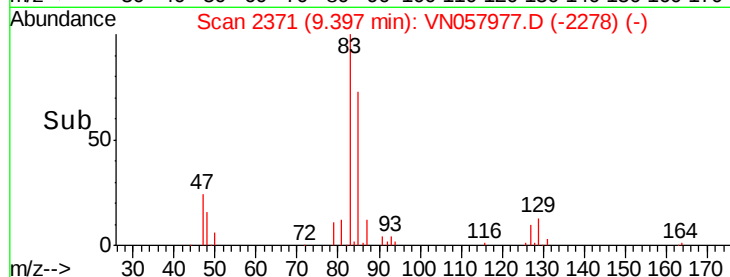
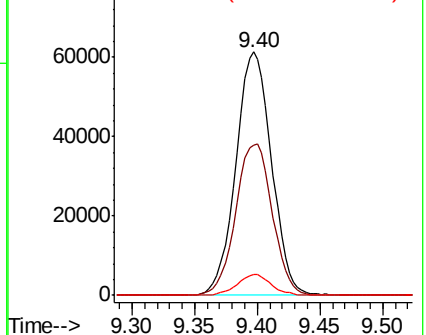
127 8.7 6.5 9.7



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 126.80 (126.50 to 127.50): VN0



#48

Methyl methacrylate

Concen: 19.042 ug/l

RT: 9.19 min Scan# 2308

Delta R.T. 0.00 min

Lab File: VN057977.D

Acq: 12 Sep 2019 18:37

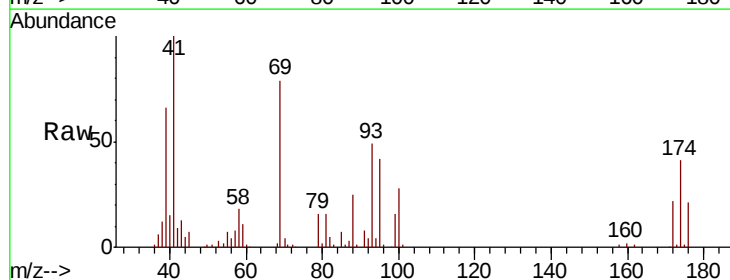
Tgt Ion: 41 Resp: 94062

Ion Ratio Lower Upper

41 100

69 81.0 62.7 94.1

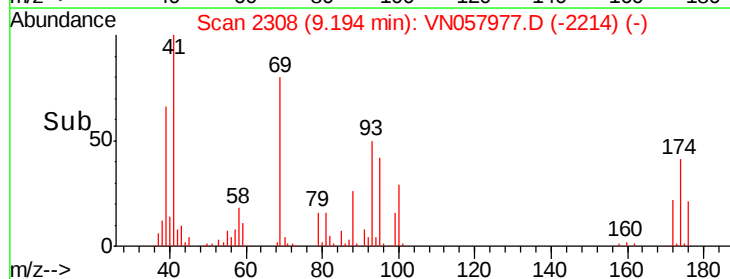
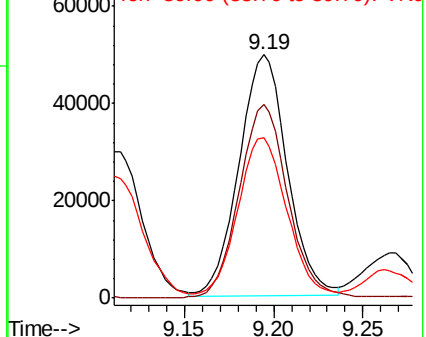
39 67.6 52.7 79.1

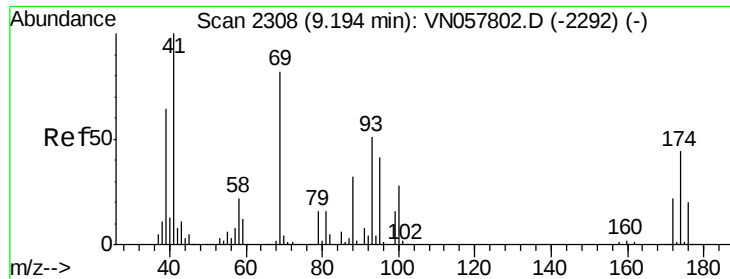


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

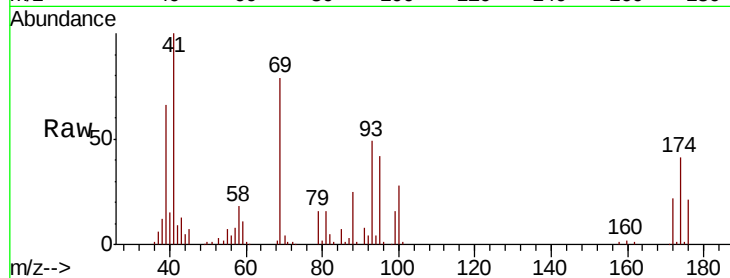




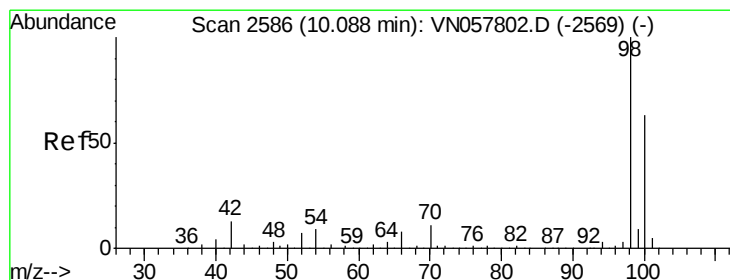
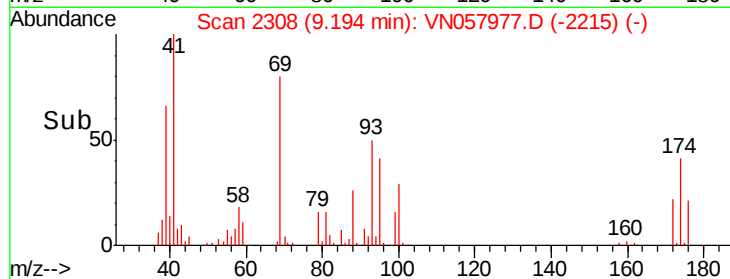
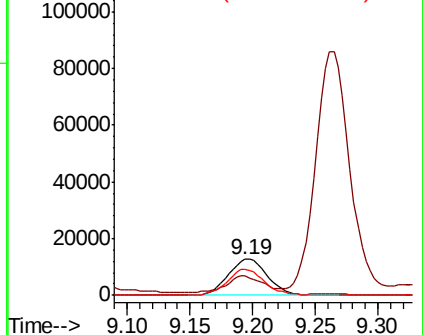
#49
 1,4-Dioxane
 Concen: 333.467 ug/l
 RT: 9.19 min Scan# 2308
 Delta R.T. 0.00 min
 Lab File: VN057977.D
 Acq: 12 Sep 2019 18:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0913WBS02

Tgt Ion: 88 Resp: 27856
 Ion Ratio Lower Upper
 88 100
 43 39.2 28.5 42.7
 58 67.8 55.8 83.6

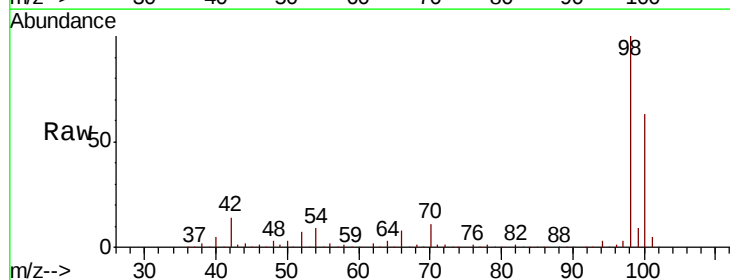


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

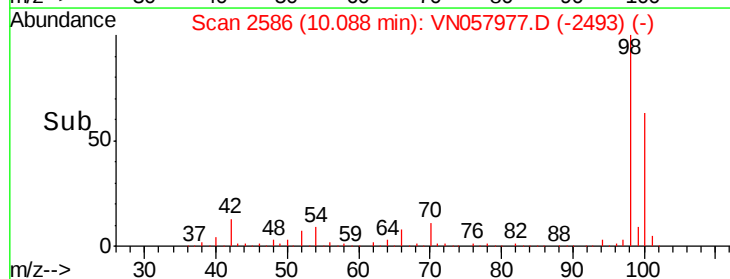
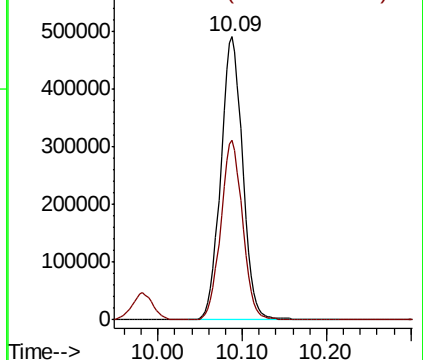


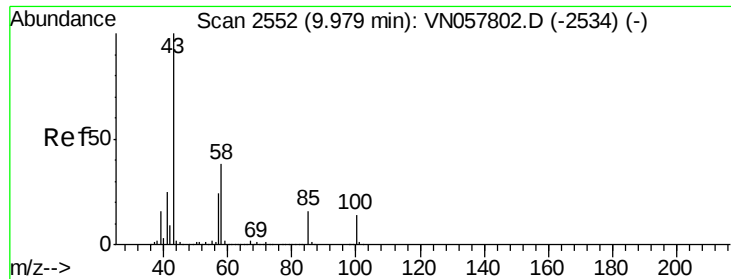
#50
 Toluene-d8
 Concen: 50.953 ug/l
 RT: 10.09 min Scan# 2586
 Delta R.T. 0.00 min
 Lab File: VN057977.D
 Acq: 12 Sep 2019 18:37

Tgt Ion: 98 Resp: 882378
 Ion Ratio Lower Upper
 98 100
 100 62.9 50.3 75.5



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: 105.858 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. 0.00 min

Lab File: VN057977.D

Acq: 12 Sep 2019 18:37

Instrument :

MSVOA_N

ClientSampleId :

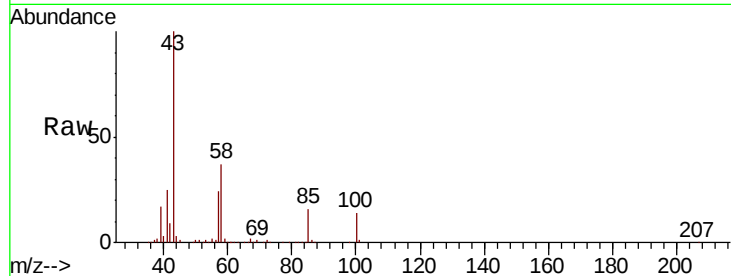
VN0913WBS02

Tgt Ion: 43 Resp: 610014

Ion Ratio Lower Upper

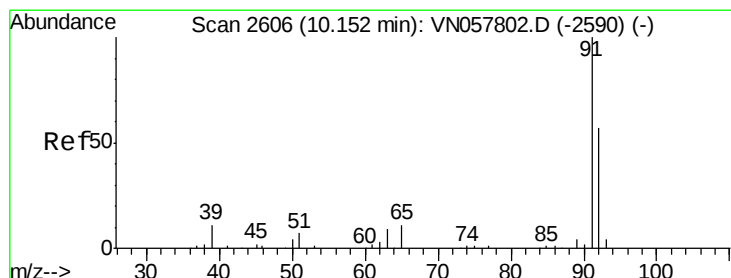
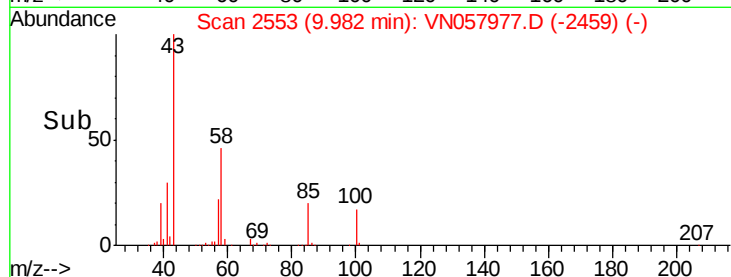
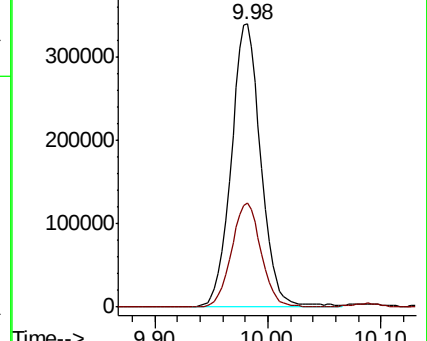
43 100

58 37.2 29.8 44.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 19.286 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. 0.00 min

Lab File: VN057977.D

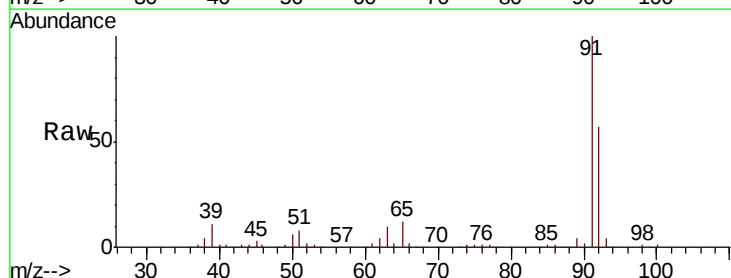
Acq: 12 Sep 2019 18:37

Tgt Ion: 92 Resp: 204959

Ion Ratio Lower Upper

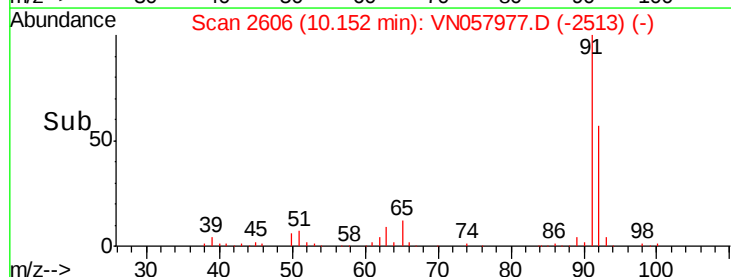
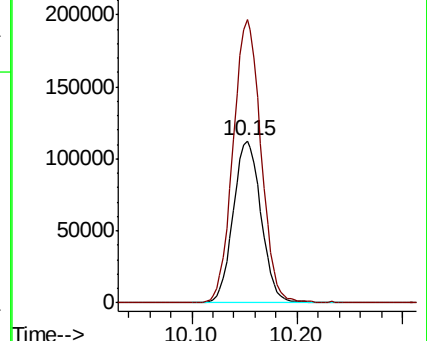
92 100

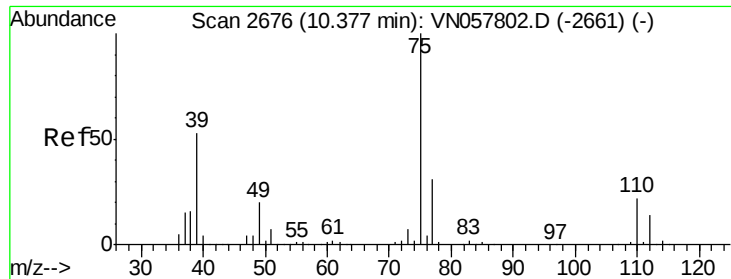
91 175.1 141.0 211.6



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





#53

t-1,3-Dichloropropene

Concen: 18.887 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN057977.D

Acq: 12 Sep 2019 18:37

Instrument :

MSVOA_N

ClientSampleId :

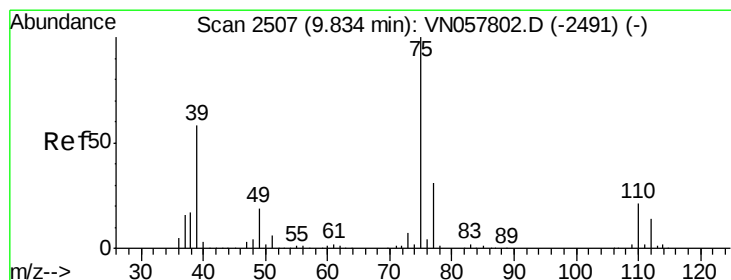
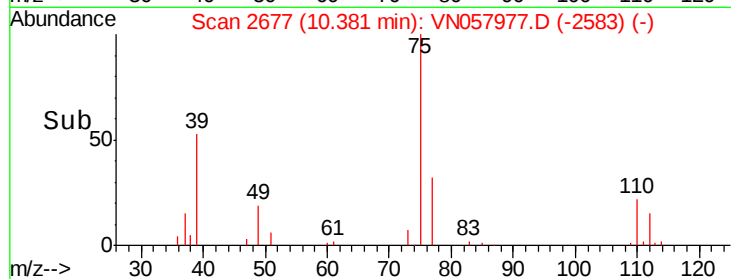
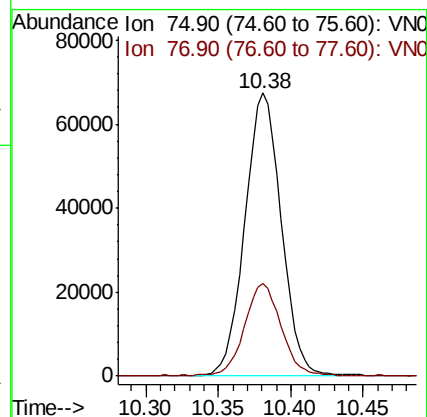
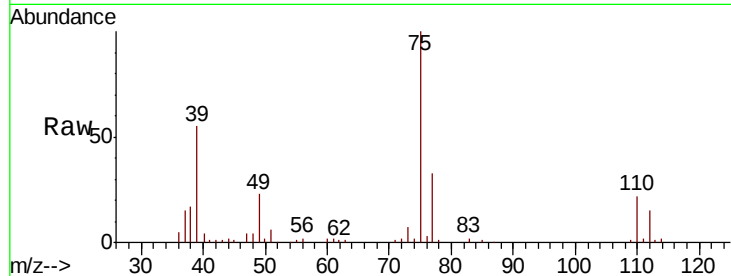
VN0913WBS02

Tgt Ion: 75 Resp: 117836

Ion Ratio Lower Upper

75 100

77 32.2 24.5 36.7



#54

cis-1,3-Dichloropropene

Concen: 19.389 ug/l

RT: 9.84 min Scan# 2508

Delta R.T. 0.00 min

Lab File: VN057977.D

Acq: 12 Sep 2019 18:37

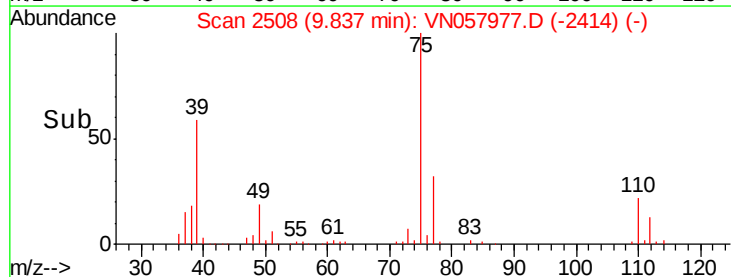
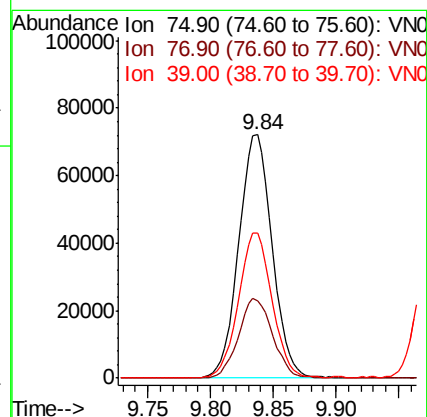
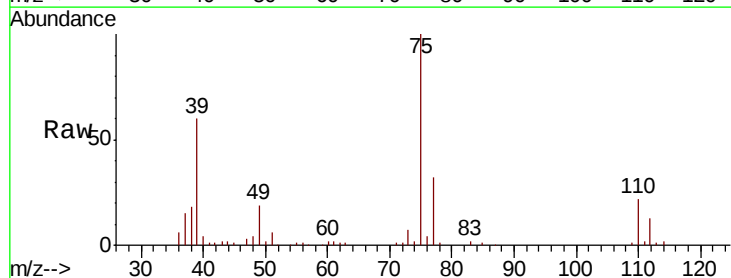
Tgt Ion: 75 Resp: 133558

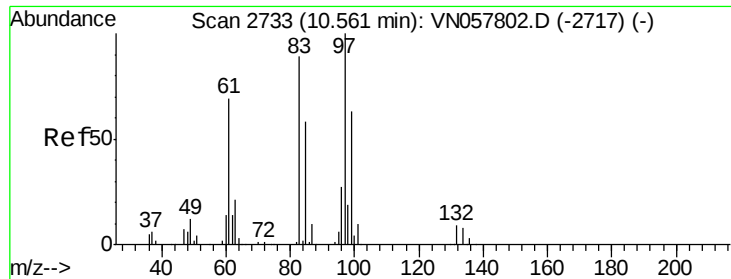
Ion Ratio Lower Upper

75 100

77 31.8 24.8 37.2

39 59.8 46.2 69.4





#55

1,1,2-Trichloroethane

Concen: 20.298 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VN057977.D

Acq: 12 Sep 2019 18:37

Instrument :

MSVOA_N

ClientSampleId :

VN0913WBS02

Tgt Ion: 97 Resp: 91375

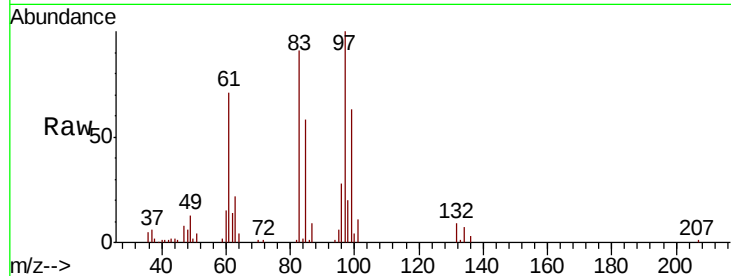
Ion Ratio Lower Upper

97 100

83 91.0 70.8 106.2

85 58.2 46.0 69.0

99 62.6 50.6 76.0

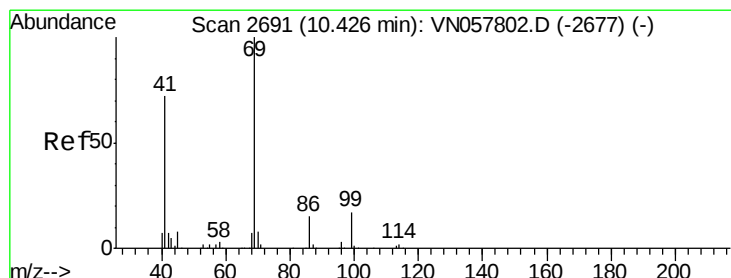
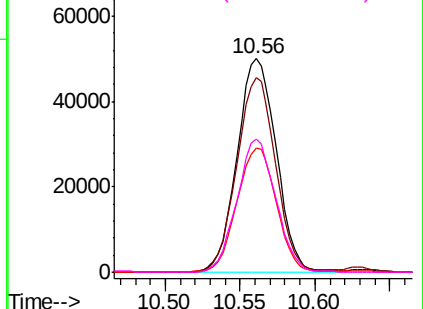
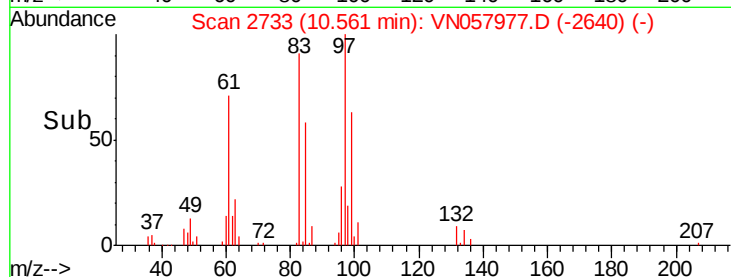


Abundance Ion 96.90 (96.60 to 97.60): VN0

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



#56

Ethyl methacrylate

Concen: 19.370 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN057977.D

Acq: 12 Sep 2019 18:37

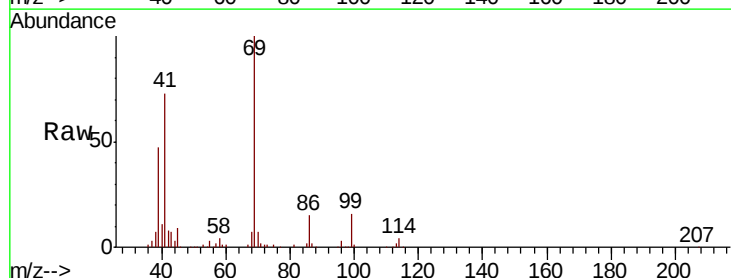
Tgt Ion: 69 Resp: 131310

Ion Ratio Lower Upper

69 100

41 72.4 56.7 85.1

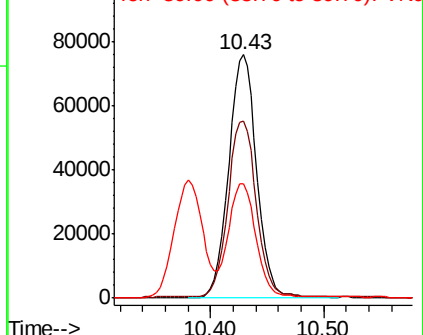
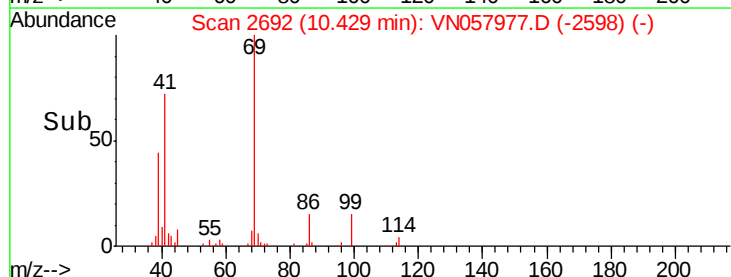
39 46.5 36.3 54.5

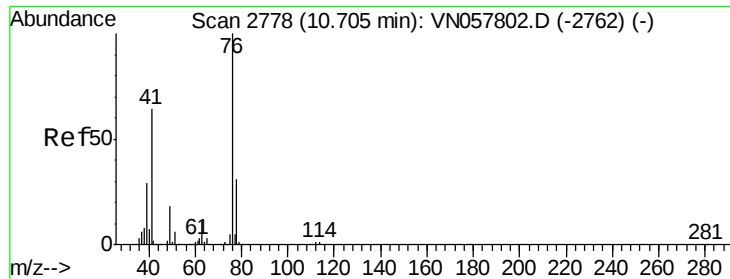


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 19.900 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN057977.D

Acq: 12 Sep 2019 18:37

Instrument :

MSVOA_N

ClientSampleId :

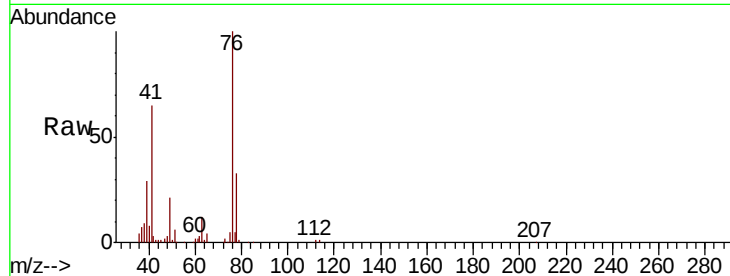
VN0913WBS02

Tgt Ion: 76 Resp: 154384

Ion Ratio Lower Upper

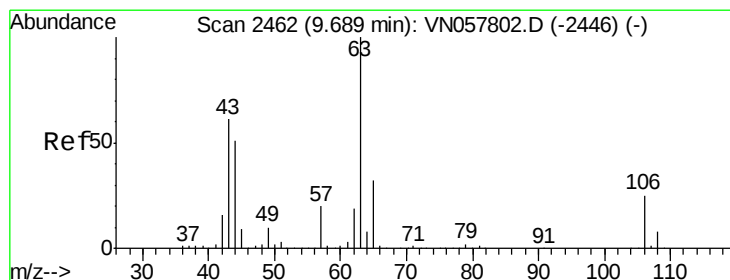
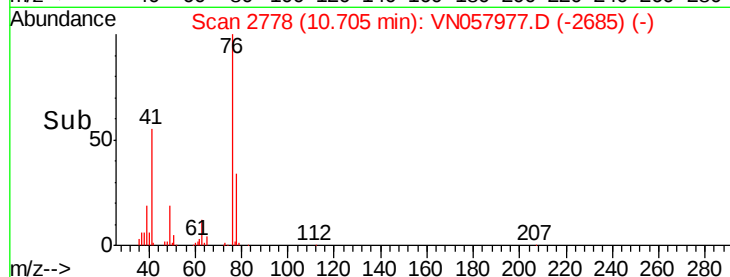
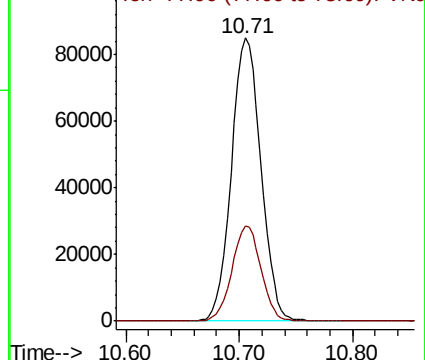
76 100

78 33.0 25.4 38.2



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: 91.135 ug/l

RT: 9.69 min Scan# 2462

Delta R.T. 0.00 min

Lab File: VN057977.D

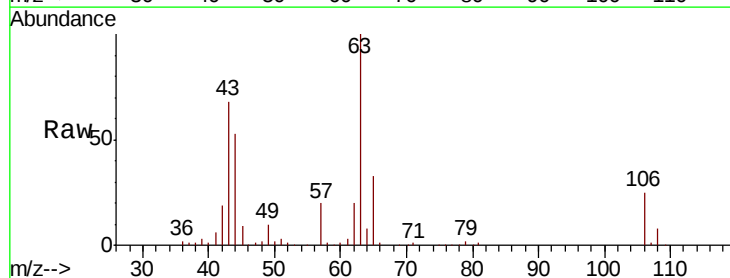
Acq: 12 Sep 2019 18:37

Tgt Ion: 63 Resp: 290985

Ion Ratio Lower Upper

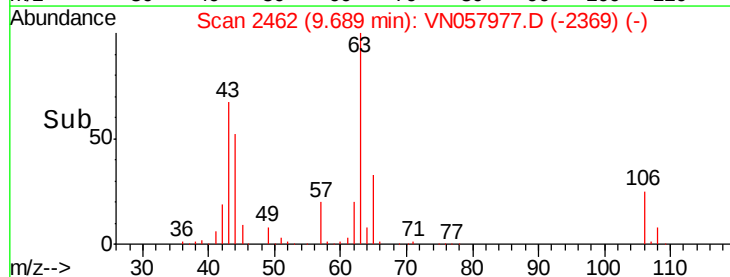
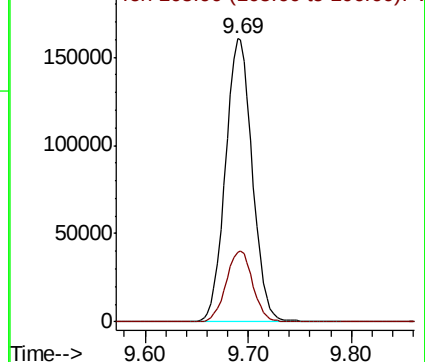
63 100

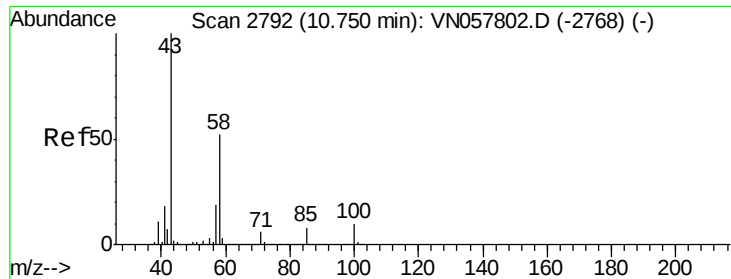
106 24.9 20.0 30.0



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

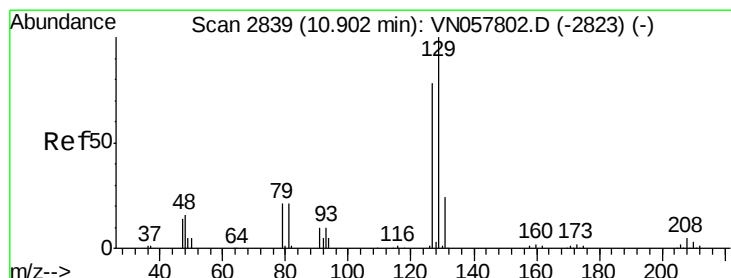
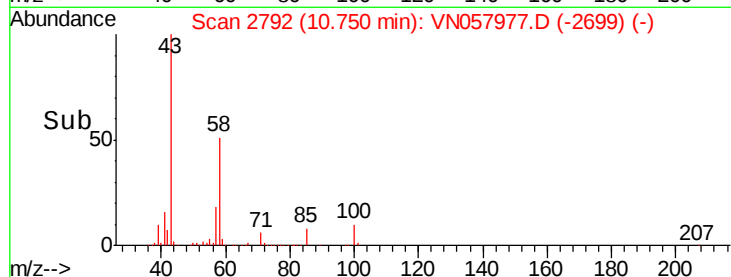
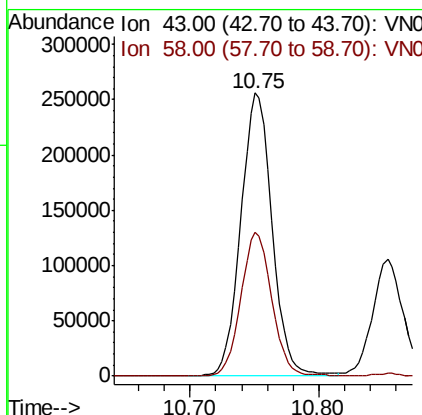
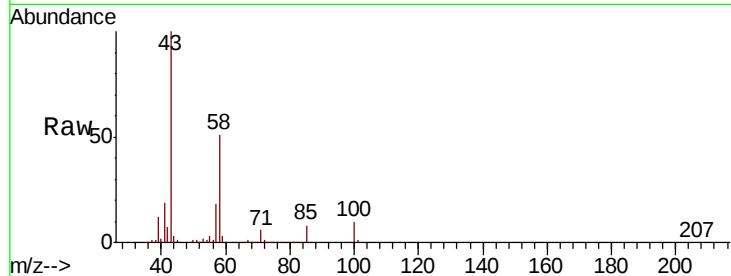




#59
2-Hexanone
Concen: 99.383 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN057977.D
Acq: 12 Sep 2019 18:37

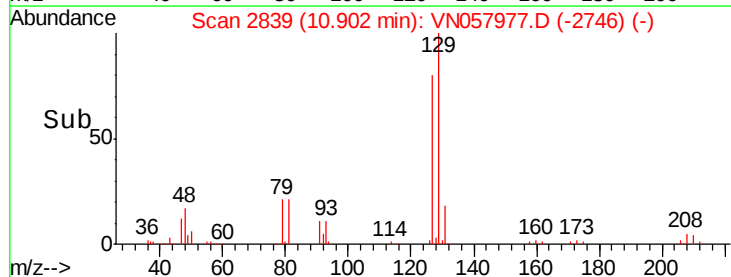
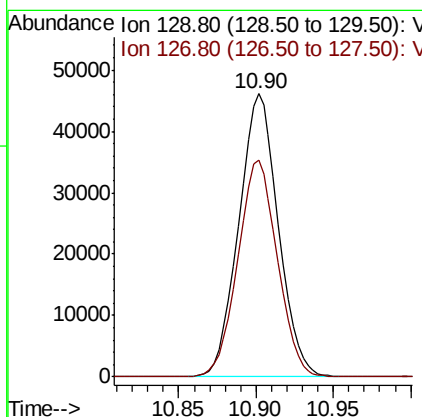
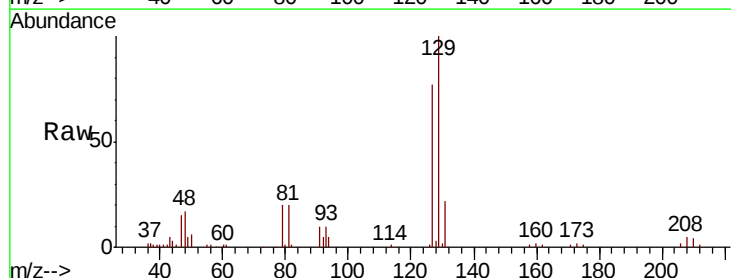
Instrument :
MSVOA_N
ClientSampleId :
VN0913WBS02

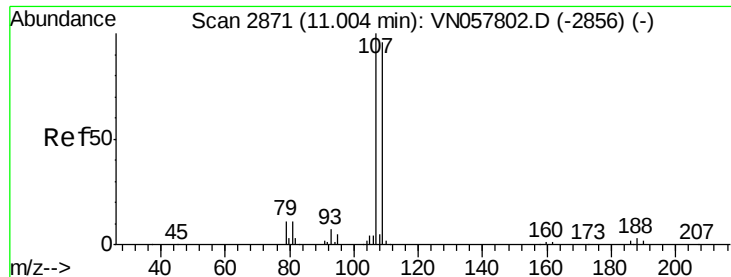
Tgt Ion: 43 Resp: 429263
Ion Ratio Lower Upper
43 100
58 50.5 25.6 76.8



#60
Dibromochloromethane
Concen: 19.563 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN057977.D
Acq: 12 Sep 2019 18:37

Tgt Ion: 129 Resp: 81779
Ion Ratio Lower Upper
129 100
127 76.5 38.6 116.0





#61

1,2-Dibromoethane

Concen: 19.848 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN057977.D

Acq: 12 Sep 2019 18:37

Instrument :

MSVOA_N

ClientSampleId :

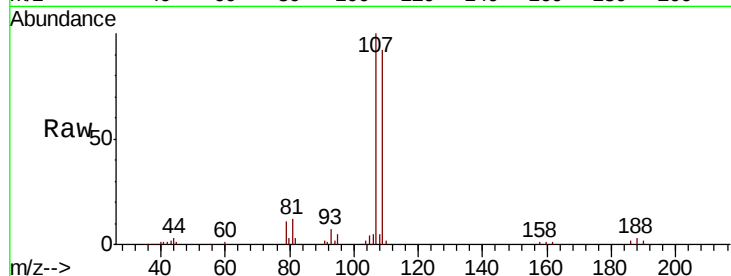
VN0913WBS02

Tgt Ion: 107 Resp: 84471

Ion Ratio Lower Upper

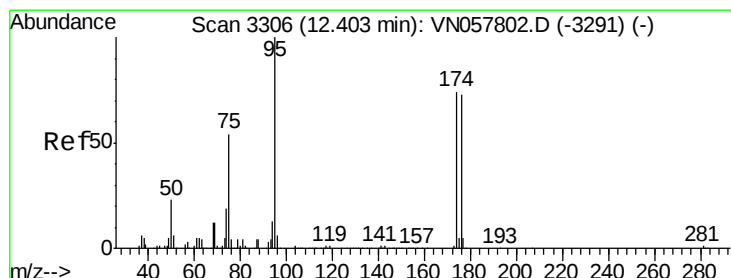
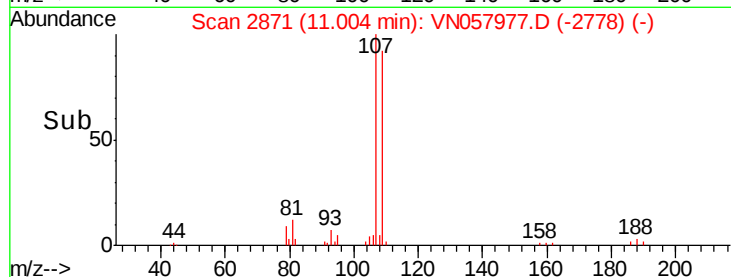
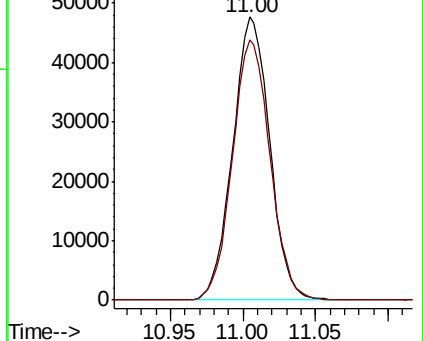
107 100

109 93.5 75.3 112.9



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 45.431 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. 0.00 min

Lab File: VN057977.D

Acq: 12 Sep 2019 18:37

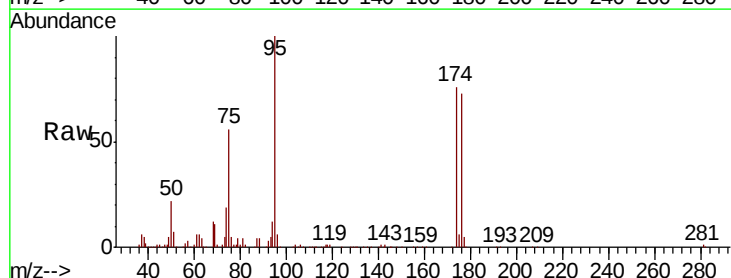
Tgt Ion: 95 Resp: 299822

Ion Ratio Lower Upper

95 100

174 74.5 0.0 150.2

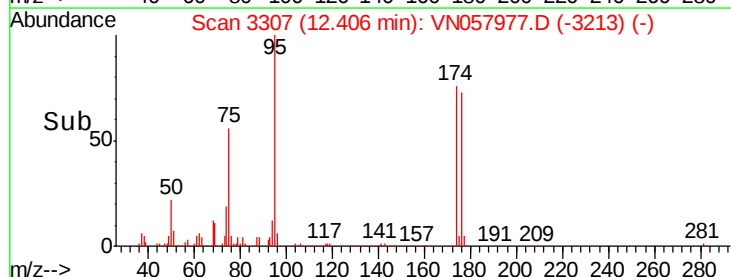
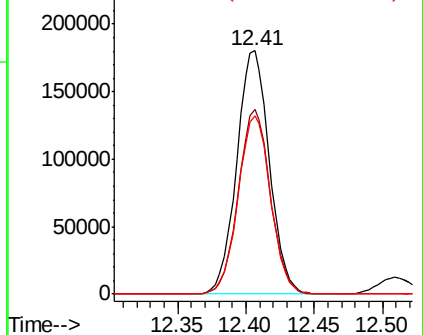
176 72.7 0.0 146.0

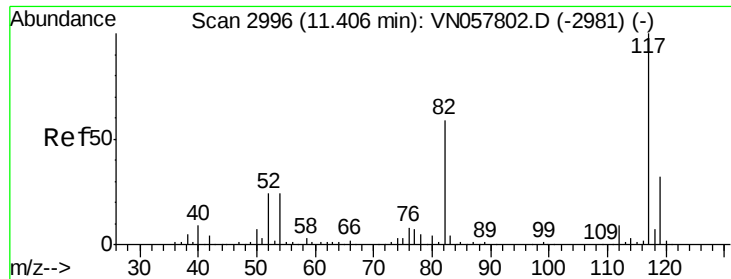


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2997

Delta R.T. 0.00 min

Lab File: VN057977.D

Acq: 12 Sep 2019 18:37

Instrument :

MSVOA_N

ClientSampleId :

VN0913WBS02

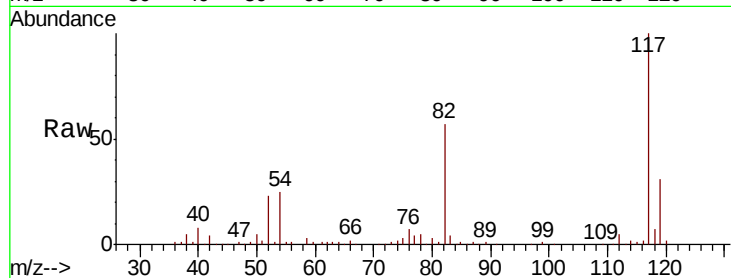
Tgt Ion:117 Resp: 447957

Ion Ratio Lower Upper

117 100

82 57.3 47.2 70.8

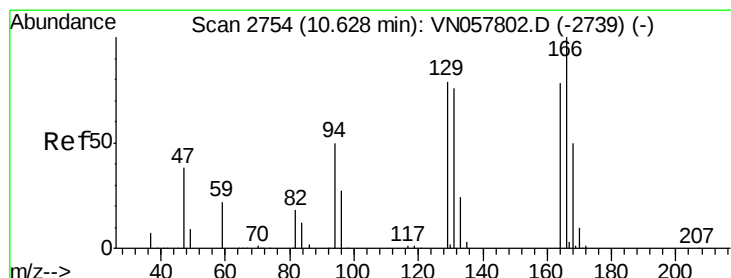
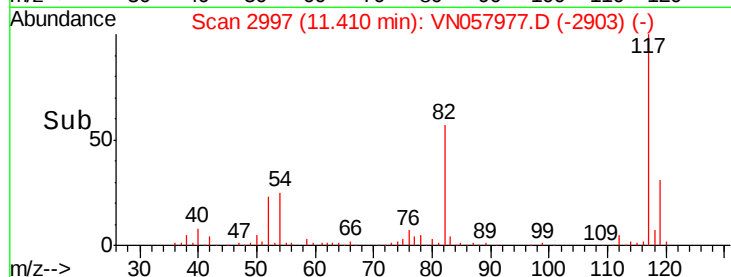
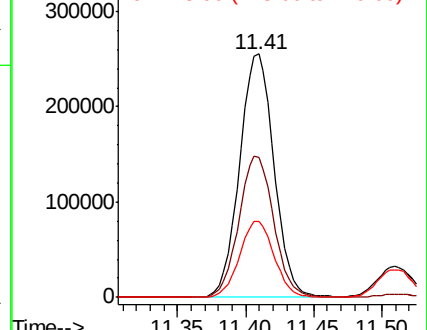
119 31.3 25.3 37.9



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: 19.320 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. 0.00 min

Lab File: VN057977.D

Acq: 12 Sep 2019 18:37

Tgt Ion:164 Resp: 63902

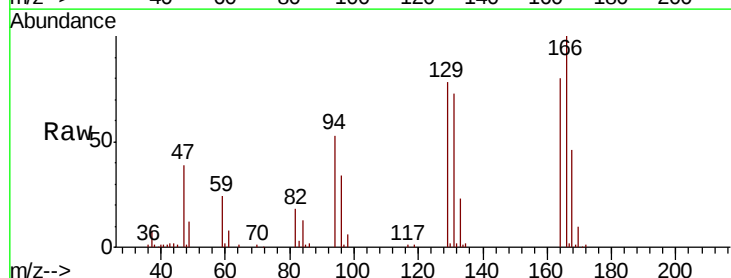
Ion Ratio Lower Upper

164 100

166 125.3 102.2 153.2

129 97.1 80.8 121.2

131 90.9 77.4 116.2

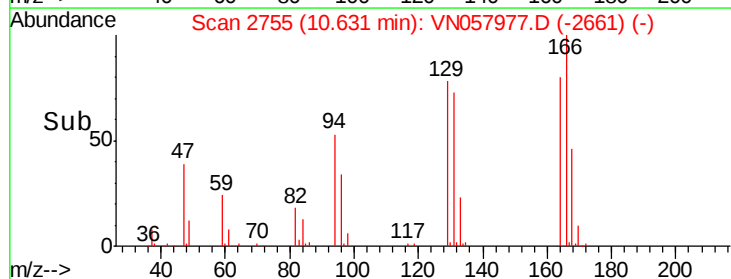
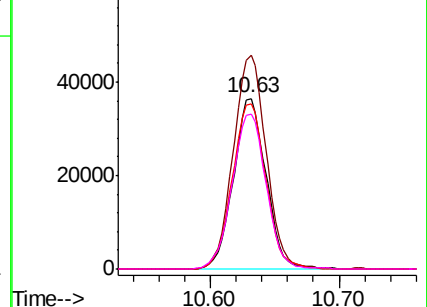


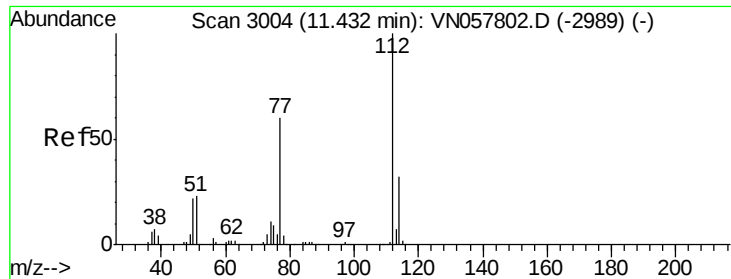
Abundance Ion 163.80 (163.50 to 164.50): V

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: 19.701 ug/l

RT: 11.44 min Scan# 3005

Delta R.T. 0.00 min

Lab File: VN057977.D

Acq: 12 Sep 2019 18:37

Instrument :

MSVOA_N

ClientSampled :

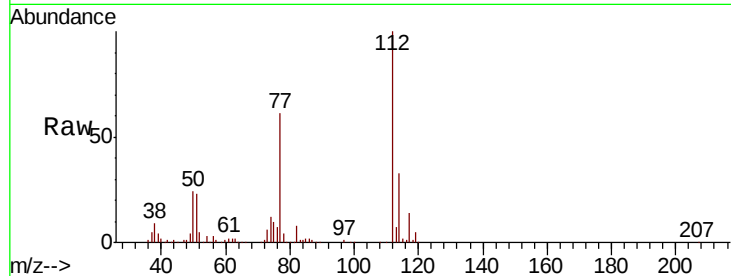
VN0913WBS02

Tgt Ion:112 Resp: 230965

Ion Ratio Lower Upper

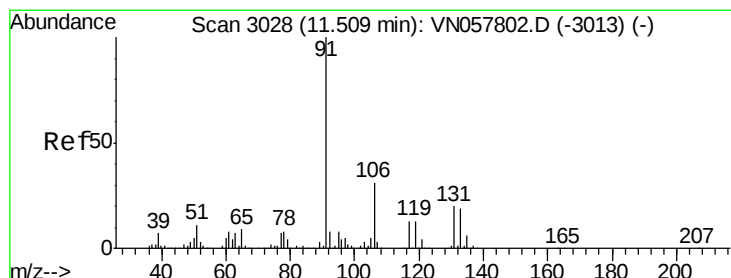
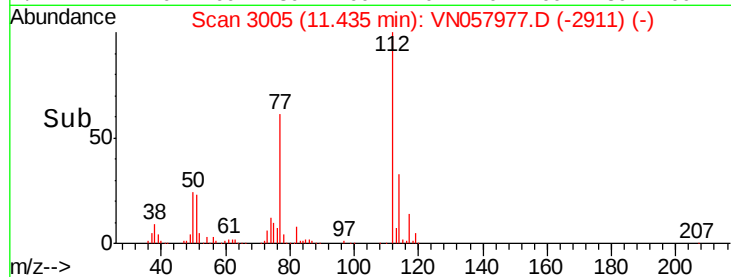
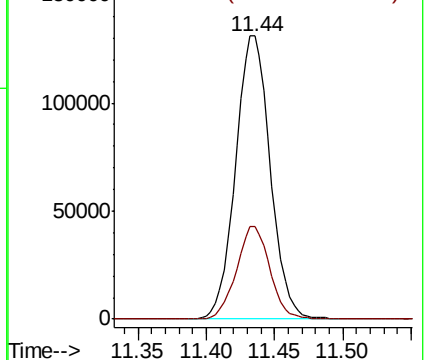
112 100

114 32.7 25.2 37.8



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 19.737 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN057977.D

Acq: 12 Sep 2019 18:37

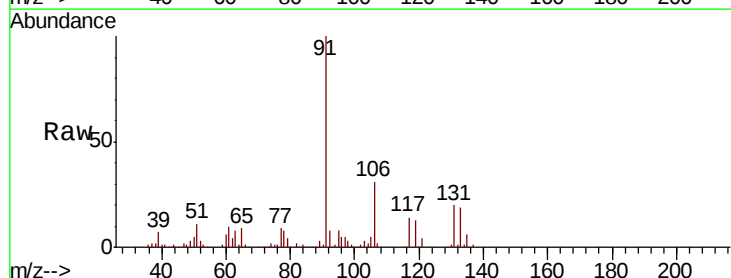
Tgt Ion:131 Resp: 80287

Ion Ratio Lower Upper

131 100

133 96.6 47.1 141.3

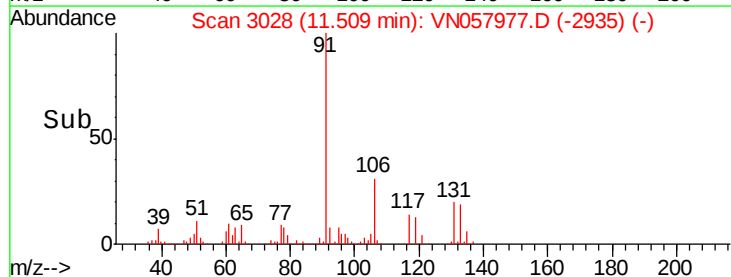
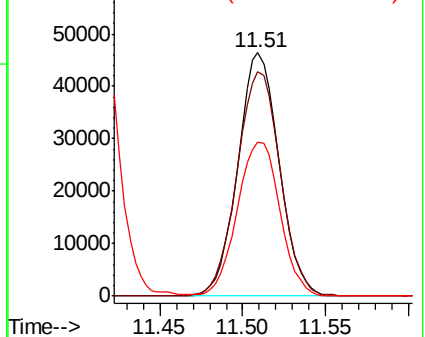
119 65.9 33.3 99.8

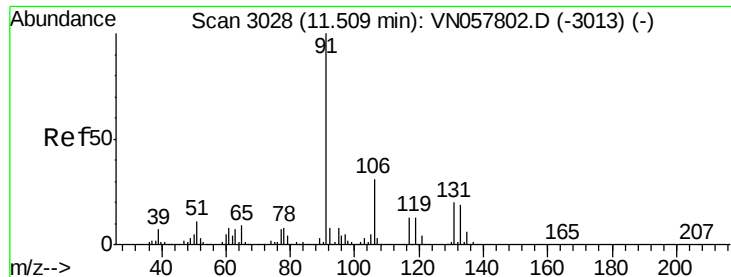


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

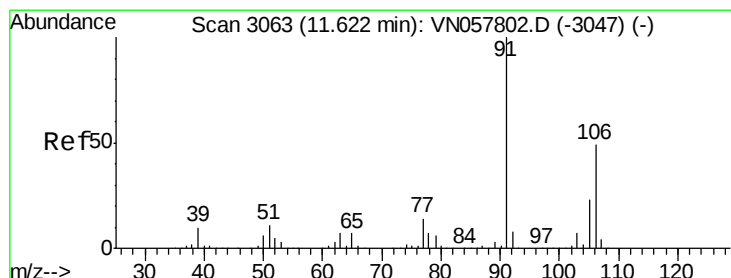
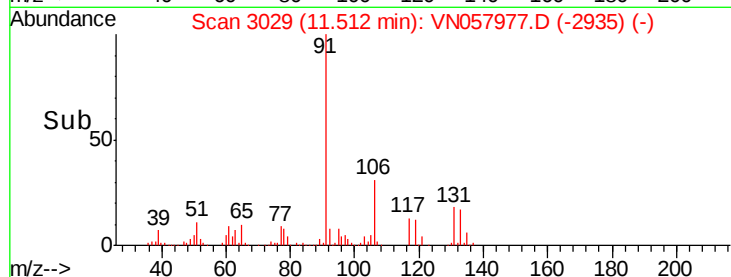
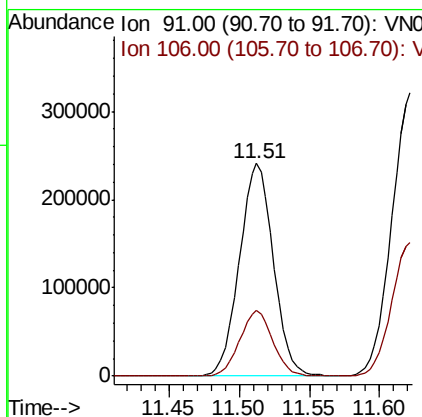
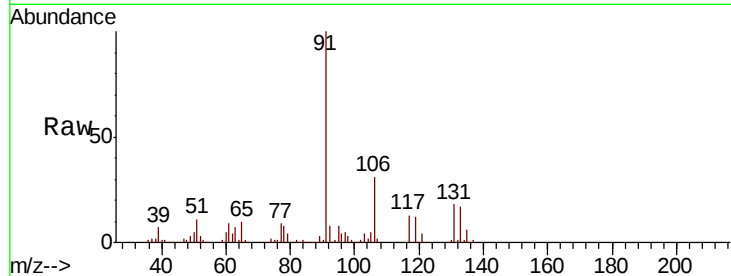




#67
Ethyl Benzene
Concen: 19.764 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN057977.D
Acq: 12 Sep 2019 18:37

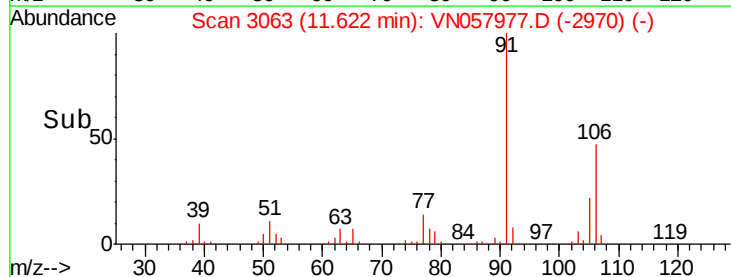
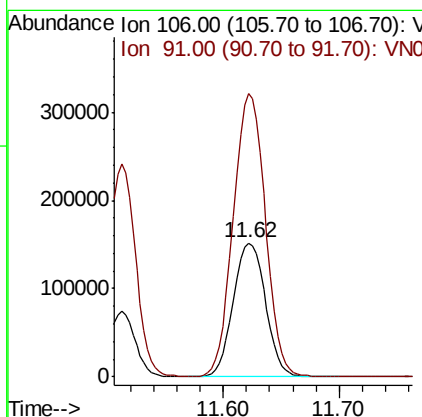
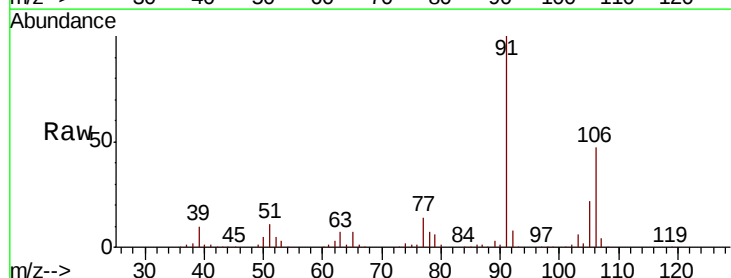
Instrument :
MSVOA_N
ClientSampled :
VN0913WBS02

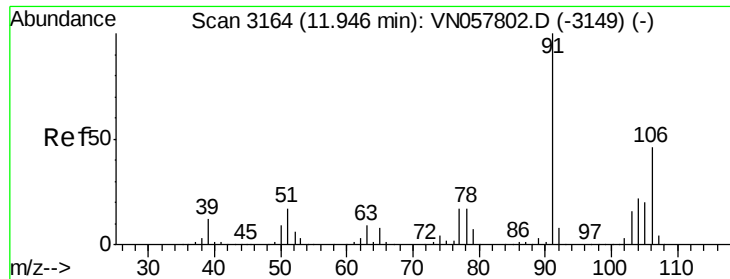
Tgt Ion: 91 Resp: 406054
Ion Ratio Lower Upper
91 100
106 30.7 24.4 36.6



#68
m/p-Xylenes
Concen: 39.104 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN057977.D
Acq: 12 Sep 2019 18:37

Tgt Ion: 106 Resp: 294294
Ion Ratio Lower Upper
106 100
91 209.3 165.8 248.6

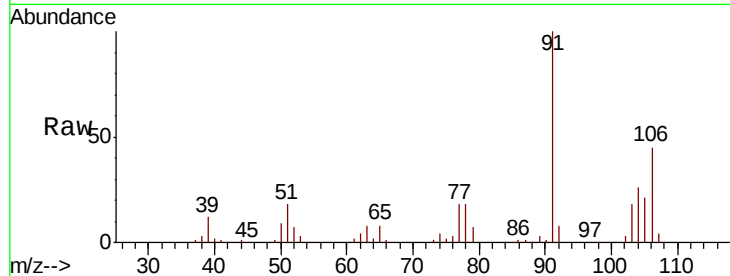




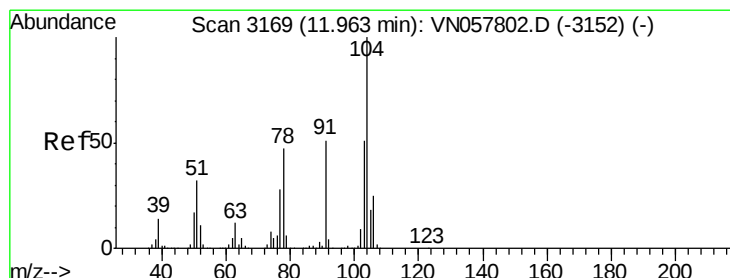
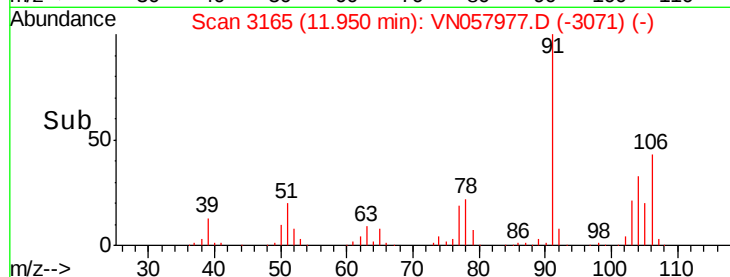
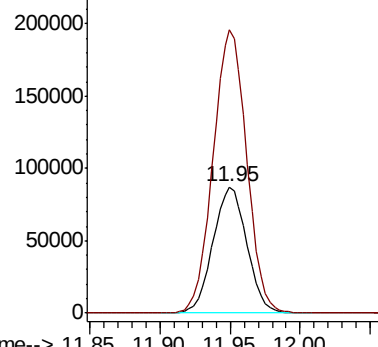
#69
o-Xylene
Concen: 19.608 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN057977.D
Acq: 12 Sep 2019 18:37

Instrument :
MSVOA_N
ClientSampleId :
VN0913WBS02

Tgt Ion:106 Resp: 146700
Ion Ratio Lower Upper
106 100
91 223.0 108.7 326.1

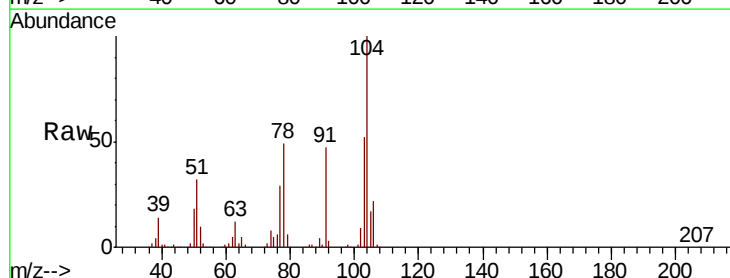


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN0

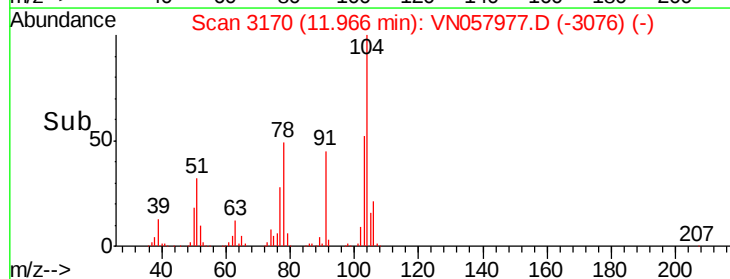
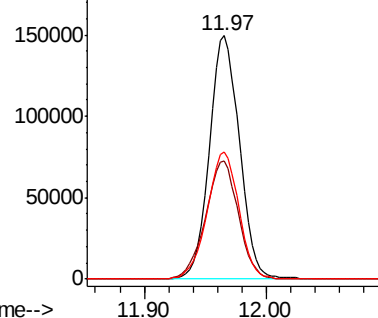


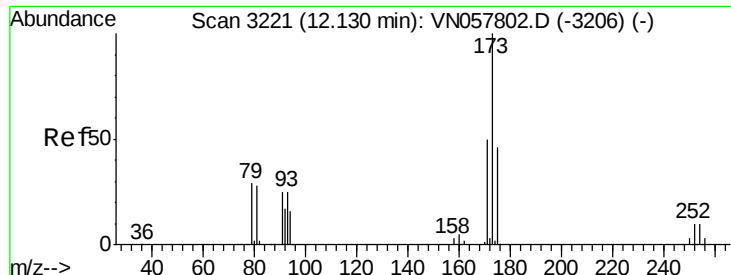
#70
Styrene
Concen: 19.747 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN057977.D
Acq: 12 Sep 2019 18:37

Tgt Ion:104 Resp: 254267
Ion Ratio Lower Upper
104 100
78 53.3 41.3 61.9
103 55.2 43.7 65.5



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VN0
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 18.759 ug/l

RT: 12.13 min Scan# 3221

Delta R.T. 0.00 min

Lab File: VN057977.D

Acq: 12 Sep 2019 18:37

Instrument :

MSVOA_N

ClientSampleId :

VN0913WBS02

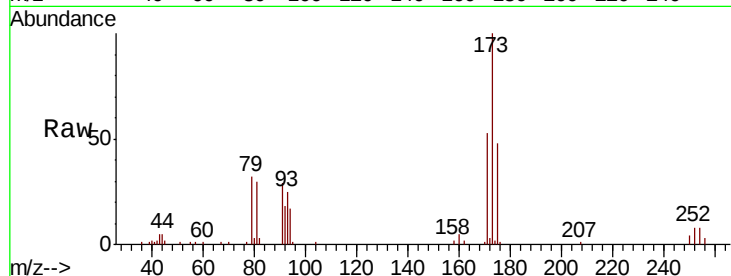
Tgt Ion:173 Resp: 47576

Ion Ratio Lower Upper

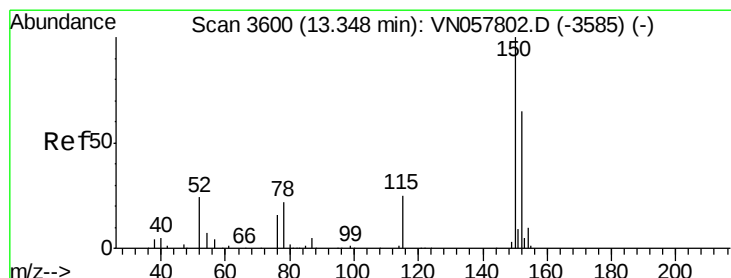
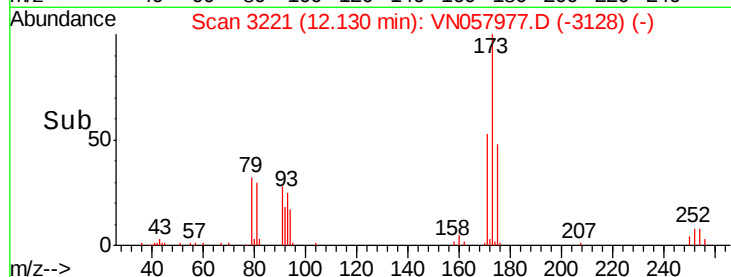
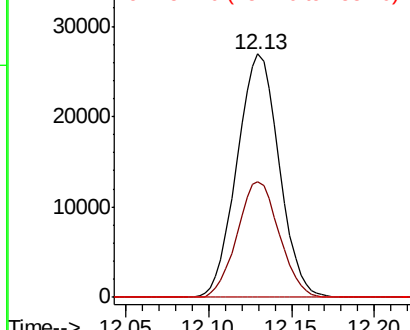
173 100

175 47.2 23.5 70.6

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# 3600

Delta R.T. 0.00 min

Lab File: VN057977.D

Acq: 12 Sep 2019 18:37

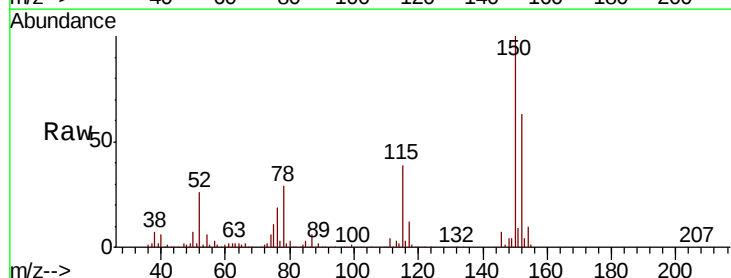
Tgt Ion:152 Resp: 256792

Ion Ratio Lower Upper

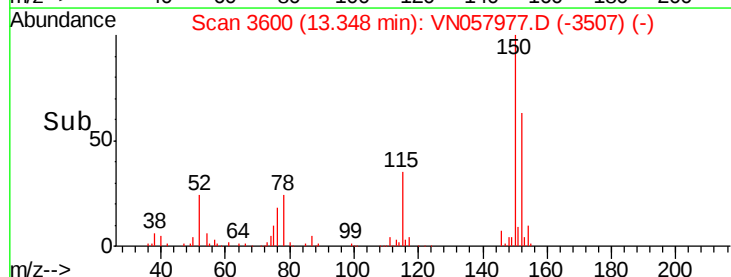
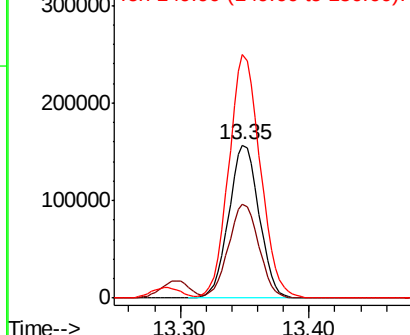
152 100

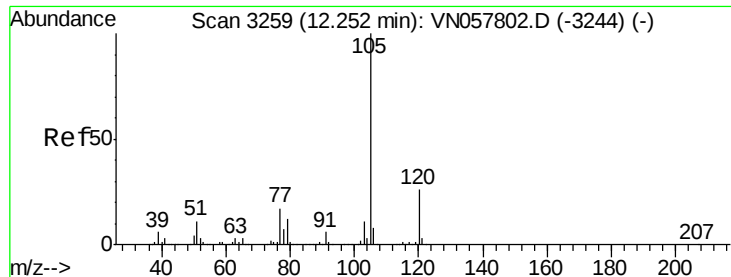
115 61.2 30.3 91.0

150 164.0 0.0 352.4



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: 20.254 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN057977.D

Acq: 12 Sep 2019 18:37

Instrument :

MSVOA_N

ClientSampleId :

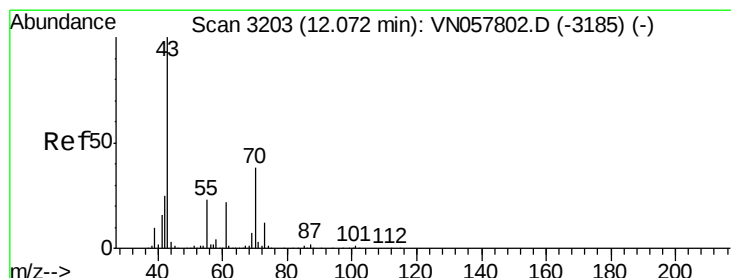
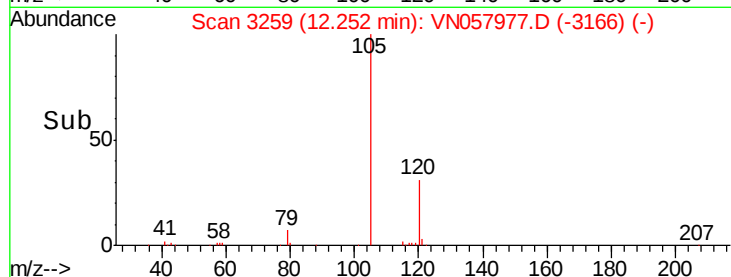
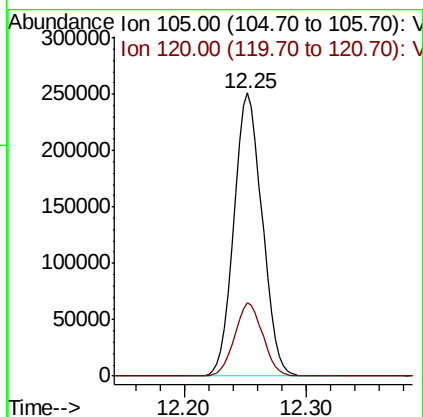
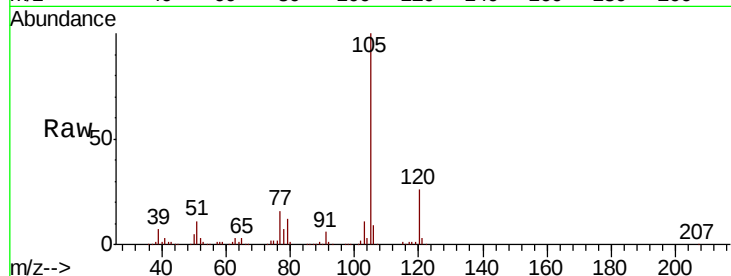
VN0913WBS02

Tgt Ion:105 Resp: 403586

Ion Ratio Lower Upper

105 100

120 25.7 12.8 38.4



#74

N-ethyl acetate

Concen: 20.124 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN057977.D

Acq: 12 Sep 2019 18:37

Tgt Ion: 43 Resp: 174513

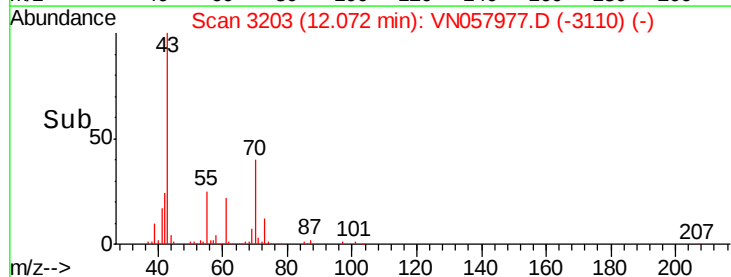
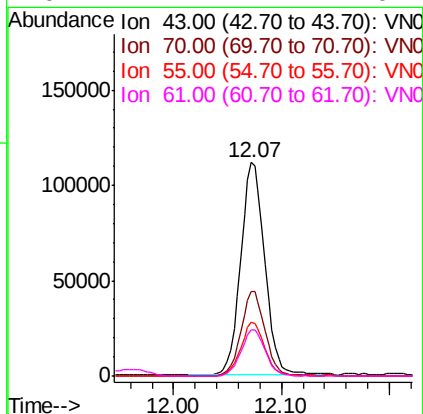
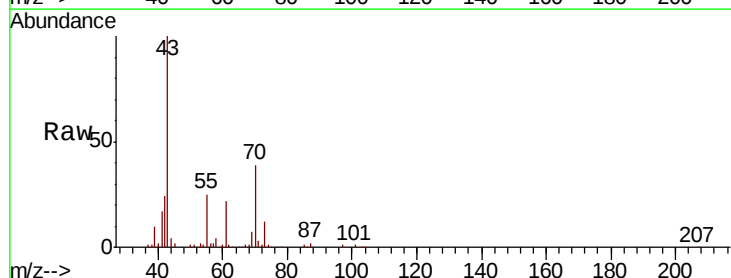
Ion Ratio Lower Upper

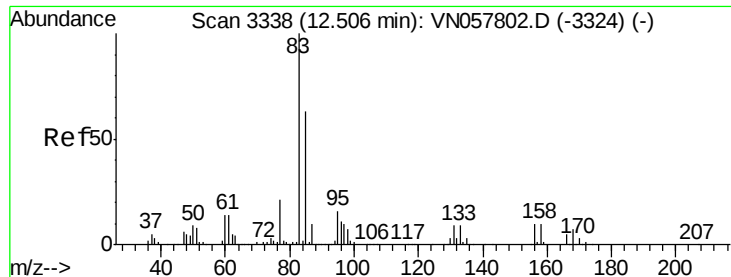
43 100

70 39.7 30.6 45.8

55 25.1 18.6 27.8

61 21.7 17.4 26.2





#75

1,1,2,2-Tetrachloroethane

Concen: 20.314 ug/l

RT: 12.51 min Scan# 3339

Delta R.T. 0.00 min

Lab File: VN057977.D

Acq: 12 Sep 2019 18:37

Instrument :

MSVOA_N

ClientSampleId :

VN0913WBS02

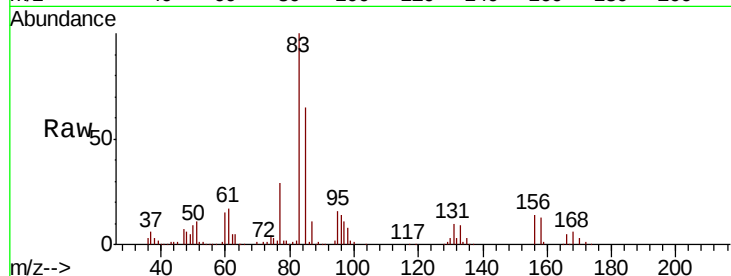
Tgt Ion: 83 Resp: 136291

Ion Ratio Lower Upper

83 100

131 9.8 4.8 14.3

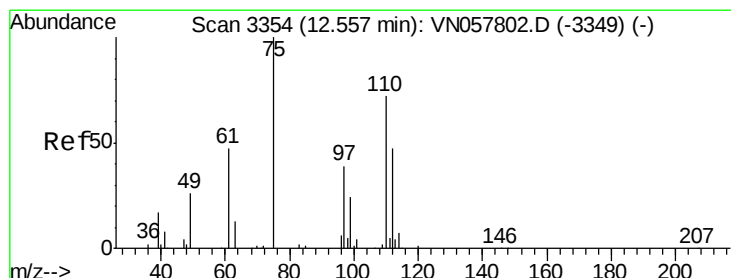
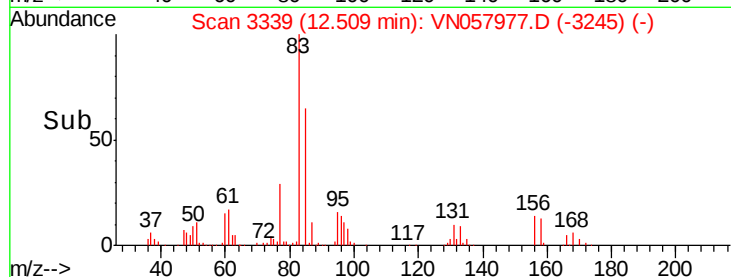
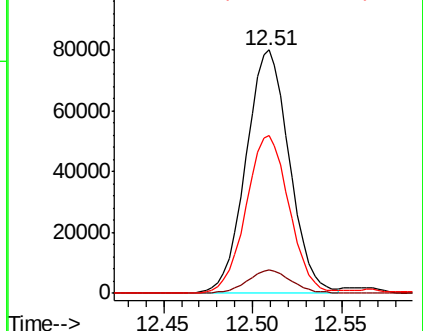
85 64.5 31.6 94.7



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 27.391 ug/l

RT: 12.56 min Scan# 3355

Delta R.T. 0.00 min

Lab File: VN057977.D

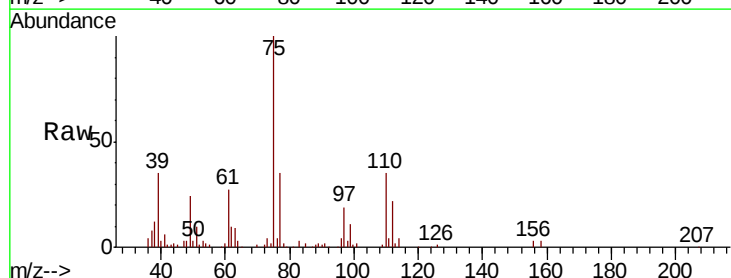
Acq: 12 Sep 2019 18:37

Tgt Ion: 75 Resp: 159115

Ion Ratio Lower Upper

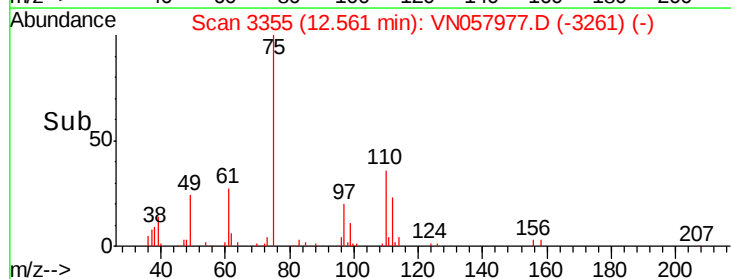
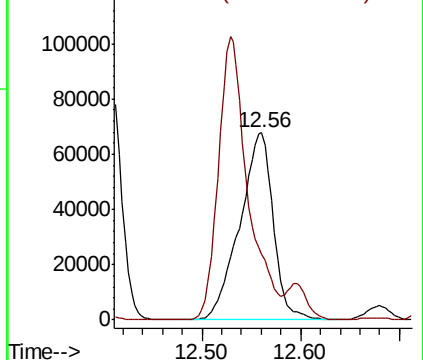
75 100

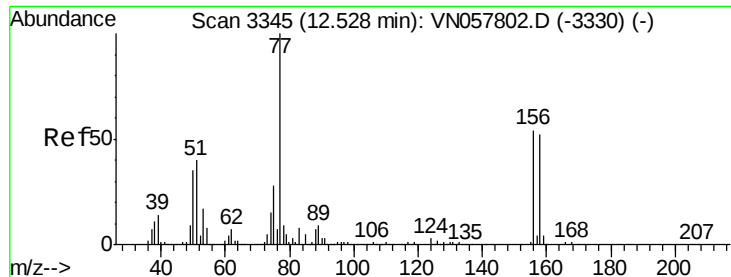
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 19.205 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN057977.D

Acq: 12 Sep 2019 18:37

Instrument :

MSVOA_N

ClientSampled :

VN0913WBS02

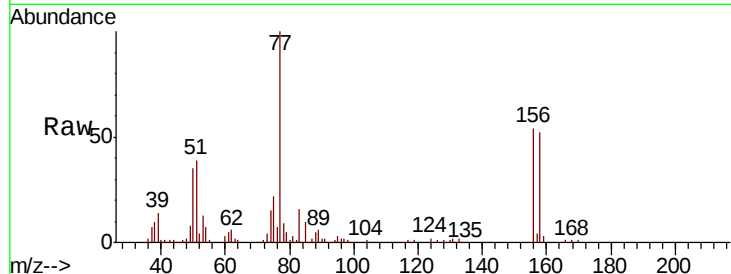
Tgt Ion:156 Resp: 95409

Ion Ratio Lower Upper

156 100

77 225.4 113.7 341.1

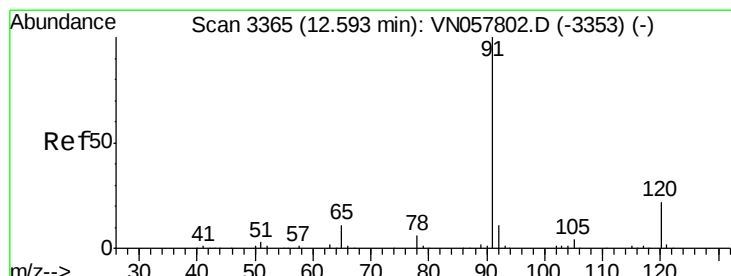
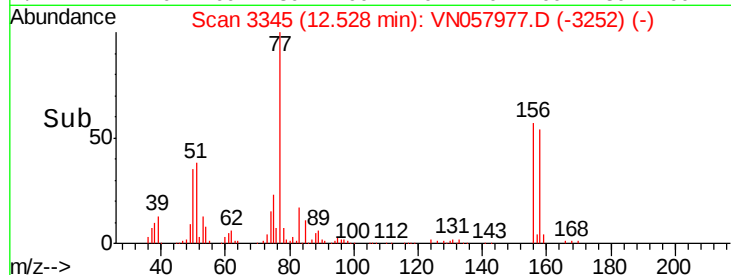
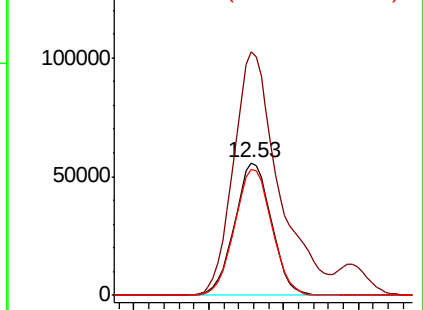
158 96.4 48.5 145.6



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.804 ug/l

RT: 12.60 min Scan# 3366

Delta R.T. 0.00 min

Lab File: VN057977.D

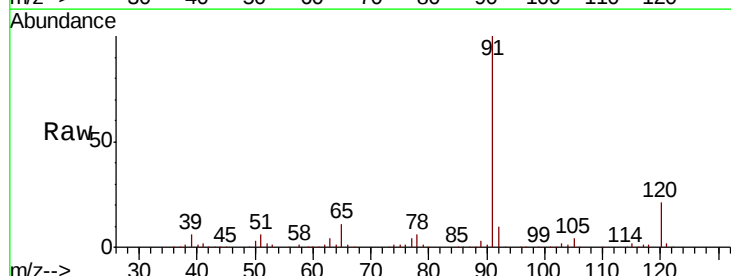
Acq: 12 Sep 2019 18:37

Tgt Ion: 91 Resp: 476037

Ion Ratio Lower Upper

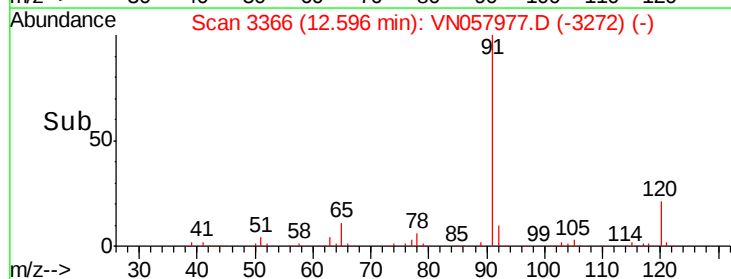
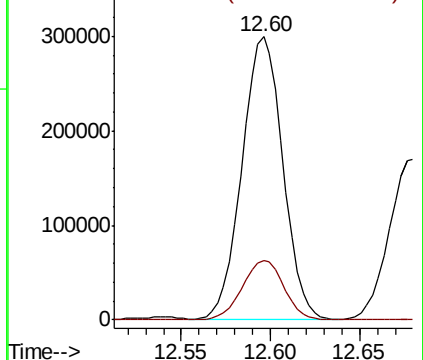
91 100

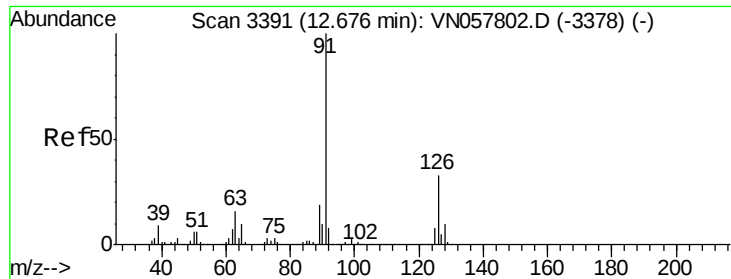
120 21.5 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.630 ug/l

RT: 12.68 min Scan# 3392

Delta R.T. 0.00 min

Lab File: VN057977.D

Acq: 12 Sep 2019 18:37

Instrument :

MSVOA_N

ClientSampleId :

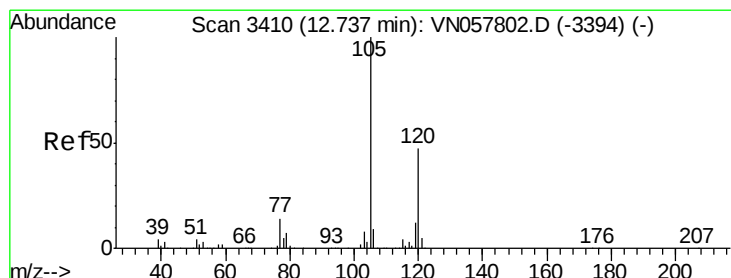
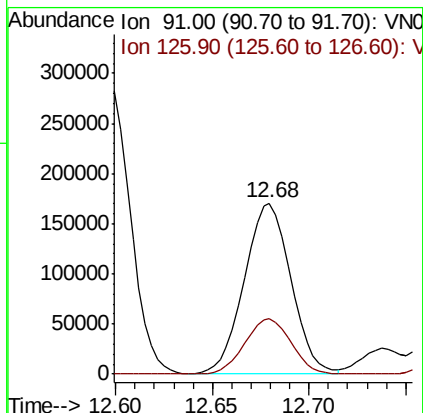
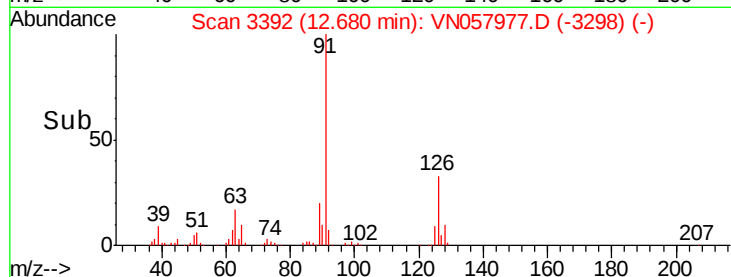
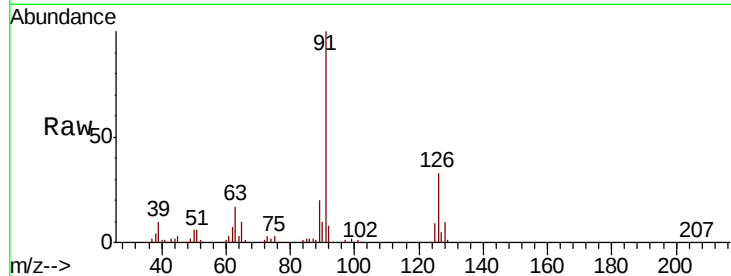
VN0913WBS02

Tgt Ion: 91 Resp: 283888

Ion Ratio Lower Upper

91 100

126 32.6 16.4 49.2



#80

1,3,5-Trimethylbenzene

Concen: 20.394 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. 0.00 min

Lab File: VN057977.D

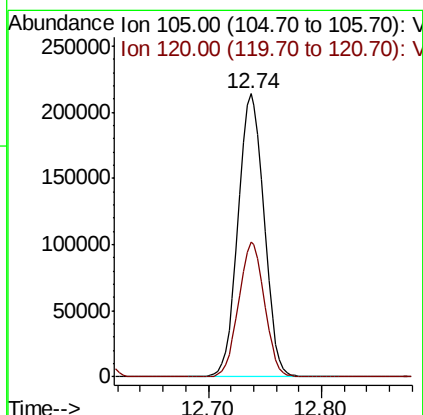
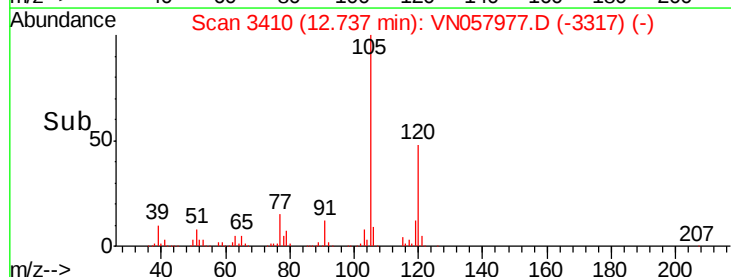
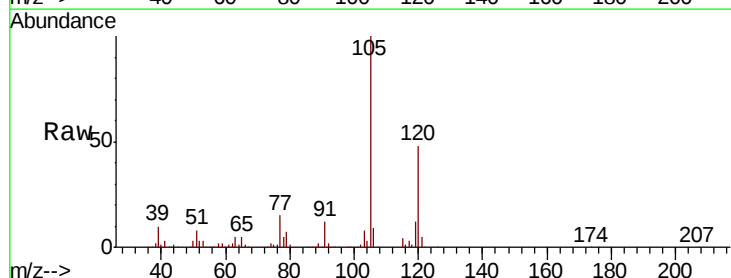
Acq: 12 Sep 2019 18:37

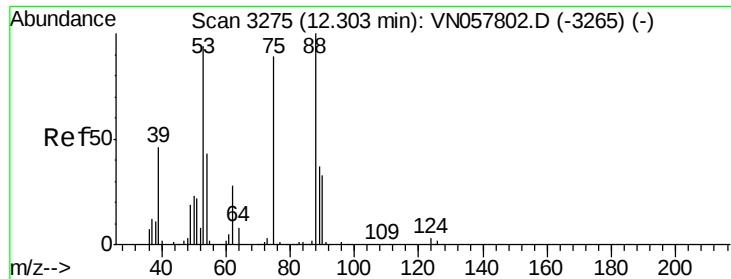
Tgt Ion: 105 Resp: 343365

Ion Ratio Lower Upper

105 100

120 47.4 23.7 71.1





#81

trans-1,4-Dichloro-2-butene

Concen: 16.818 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. 0.00 min

Lab File: VN057977.D

Acq: 12 Sep 2019 18:37

Instrument :

MSVOA_N

ClientSampleId :

VN0913WBS02

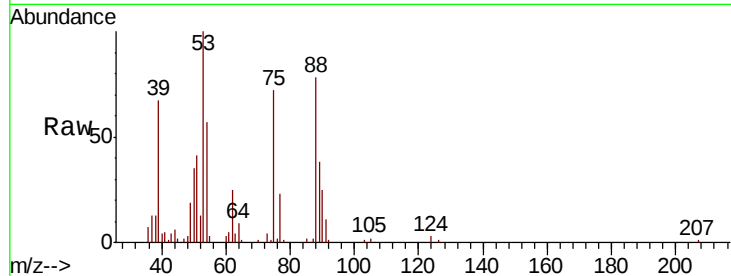
Tgt Ion: 75 Resp: 27762

Ion Ratio Lower Upper

75 100

53 130.0 88.4 132.6

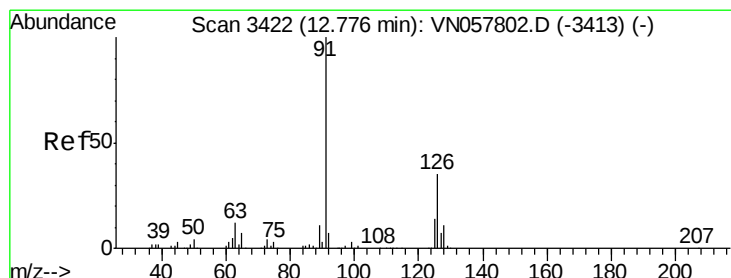
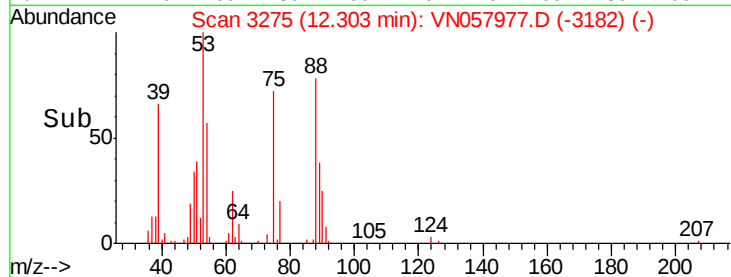
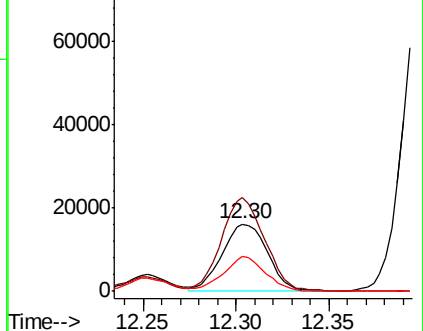
89 47.2 35.3 52.9



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 19.425 ug/l

RT: 12.78 min Scan# 3423

Delta R.T. 0.00 min

Lab File: VN057977.D

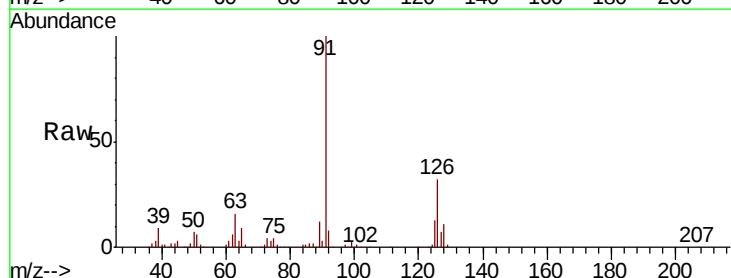
Acq: 12 Sep 2019 18:37

Tgt Ion: 91 Resp: 288490

Ion Ratio Lower Upper

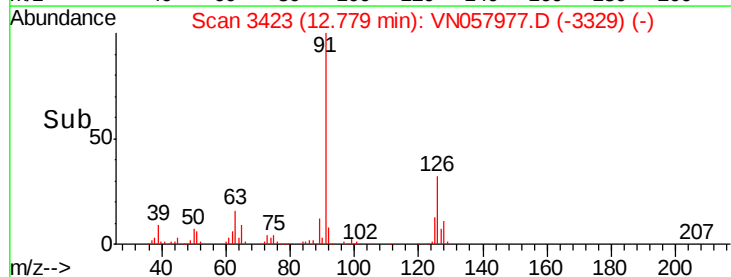
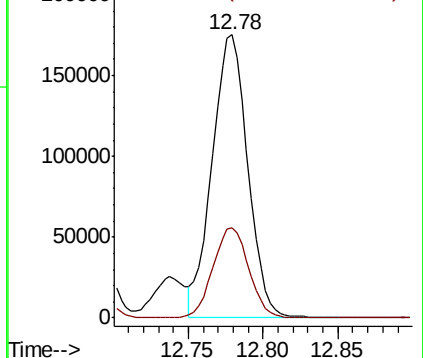
91 100

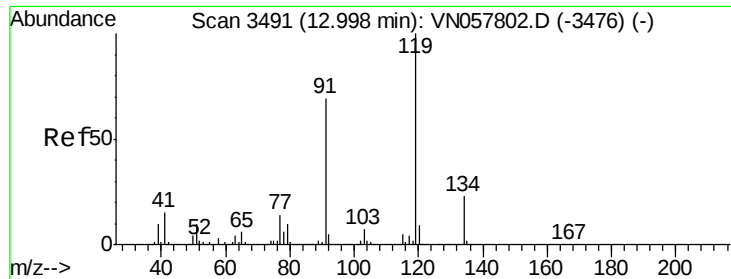
126 32.3 16.0 48.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

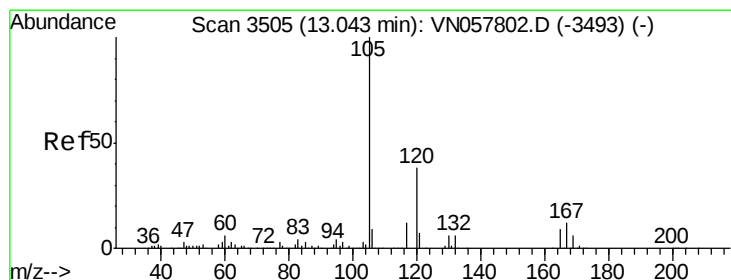
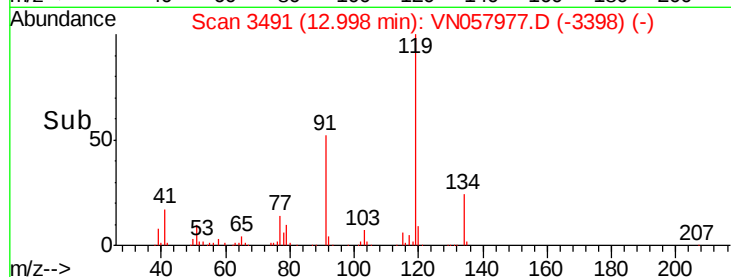
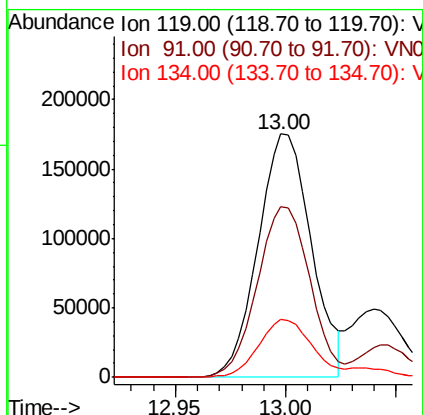
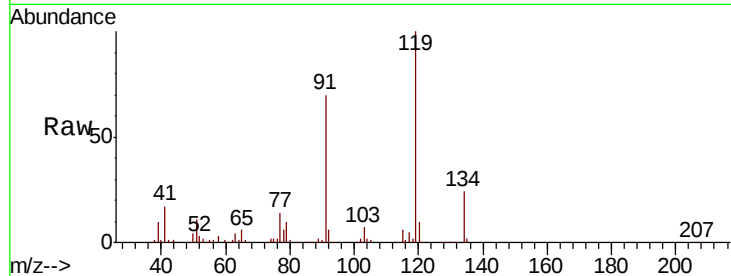




#83
 tert-Butylbenzene
 Concen: 19.620 ug/l
 RT: 13.00 min Scan# 3491
 Delta R.T. 0.00 min
 Lab File: VN057977.D
 Acq: 12 Sep 2019 18:37

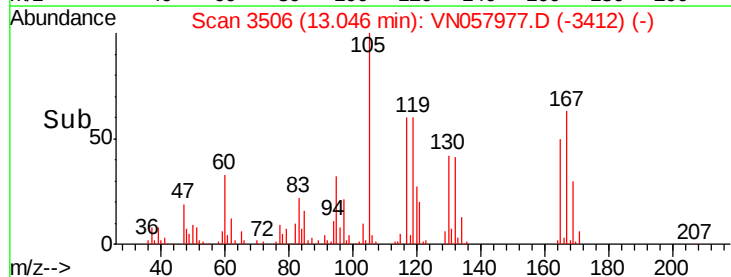
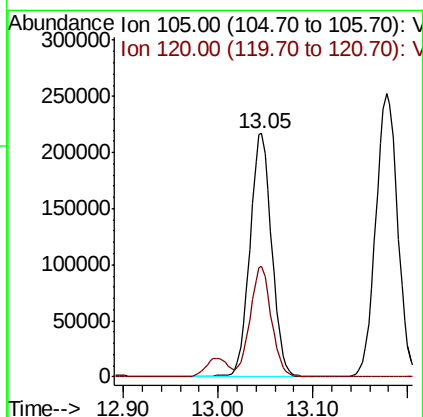
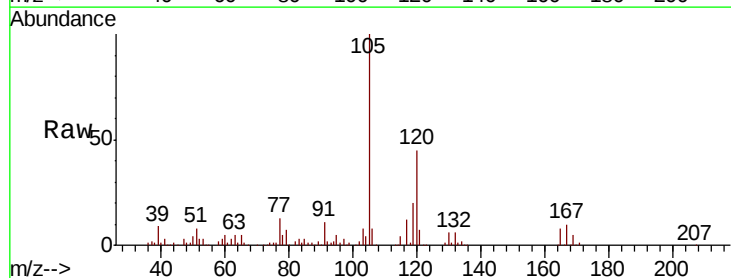
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0913WBS02

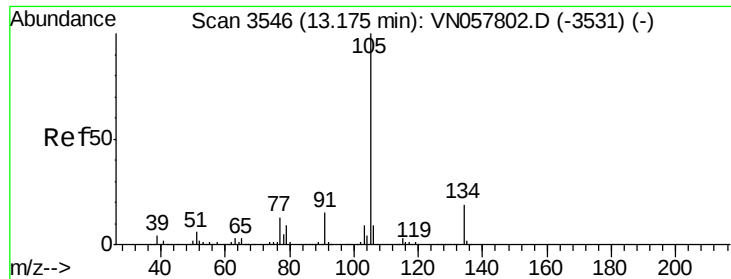
Tgt Ion:119 Resp: 293630
 Ion Ratio Lower Upper
 119 100
 91 69.6 33.6 100.8
 134 23.9 11.7 35.0



#84
 1,2,4-Trimethylbenzene
 Concen: 20.318 ug/l
 RT: 13.05 min Scan# 3506
 Delta R.T. 0.00 min
 Lab File: VN057977.D
 Acq: 12 Sep 2019 18:37

Tgt Ion:105 Resp: 347677
 Ion Ratio Lower Upper
 105 100
 120 44.2 22.4 67.2

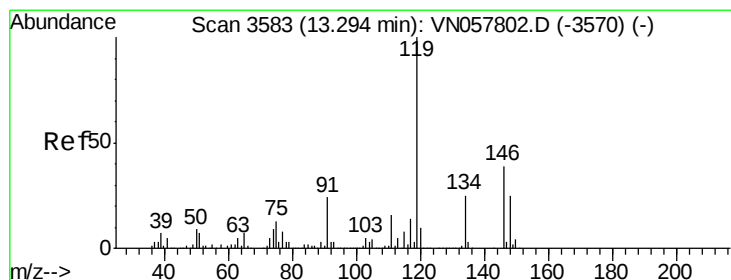
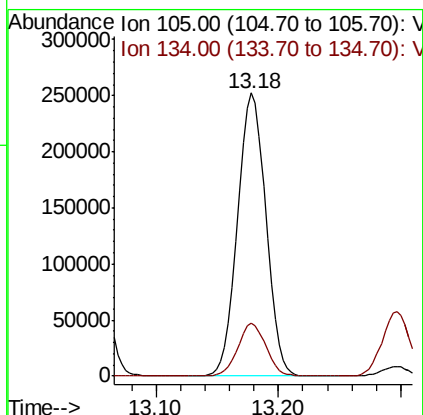
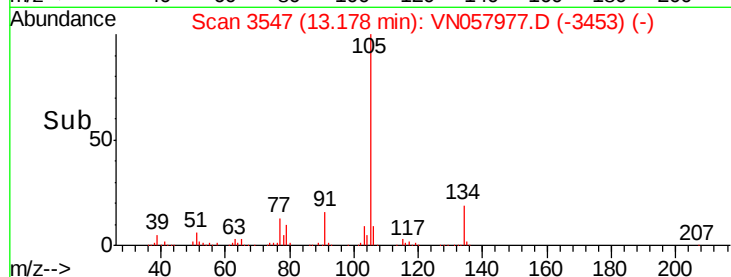
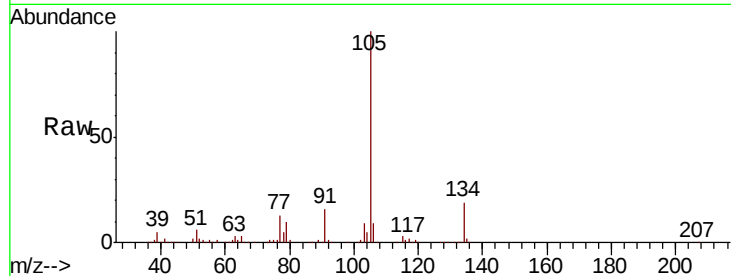




#85
 sec-Butylbenzene
 Concen: 20.385 ug/l
 RT: 13.18 min Scan# 3547
 Delta R.T. 0.00 min
 Lab File: VN057977.D
 Acq: 12 Sep 2019 18:37

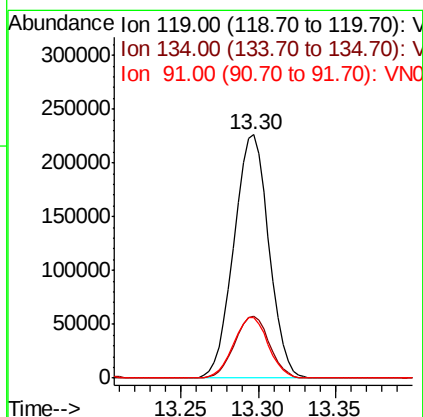
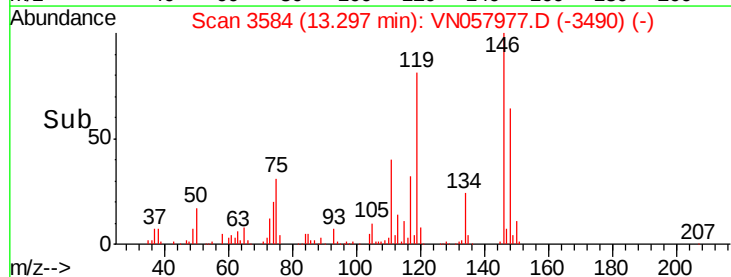
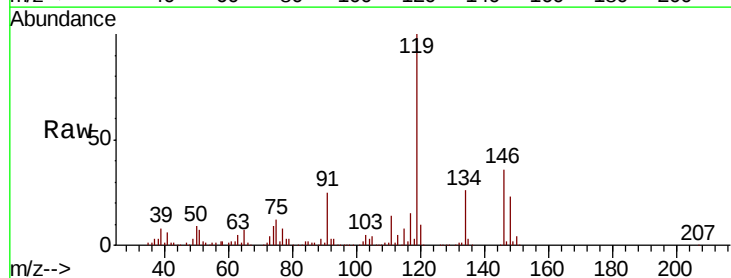
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0913WBS02

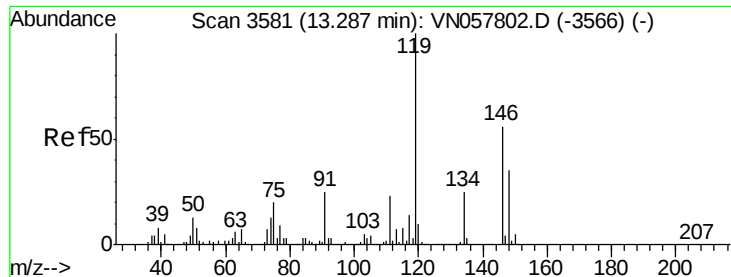
Tgt Ion:105 Resp: 404371
 Ion Ratio Lower Upper
 105 100
 134 18.6 9.6 28.6



#86
 p-Isopropyltoluene
 Concen: 20.322 ug/l
 RT: 13.30 min Scan# 3584
 Delta R.T. 0.00 min
 Lab File: VN057977.D
 Acq: 12 Sep 2019 18:37

Tgt Ion:119 Resp: 355181
 Ion Ratio Lower Upper
 119 100
 134 25.5 12.5 37.5
 91 24.9 12.3 36.8

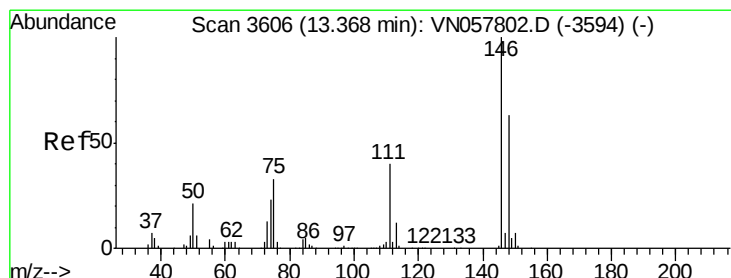
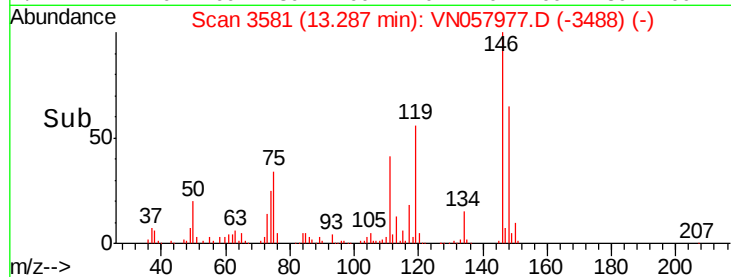
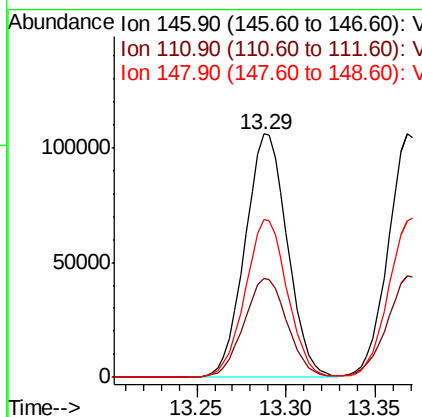
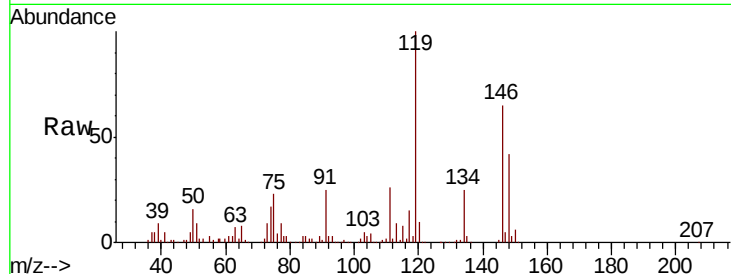




#87
 1,3-Dichlorobenzene
 Concen: 19.238 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN057977.D
 Acq: 12 Sep 2019 18:37

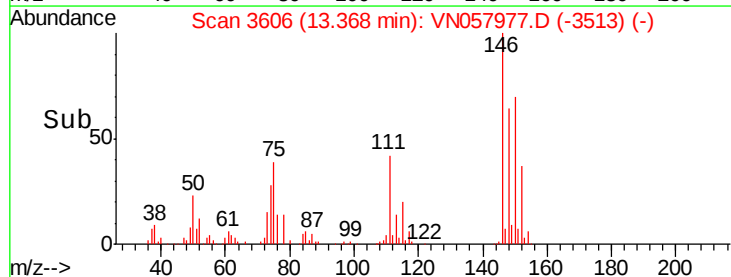
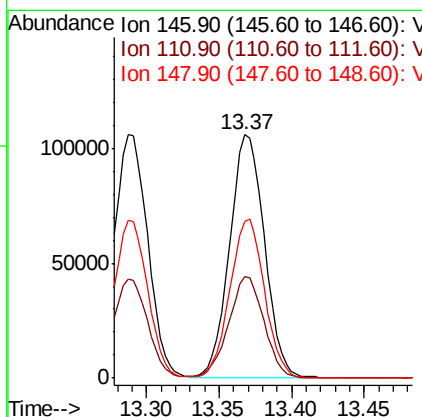
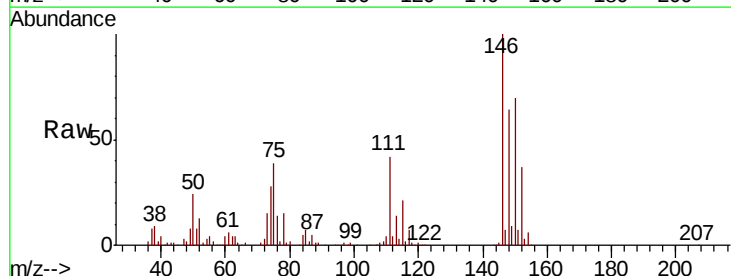
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0913WBS02

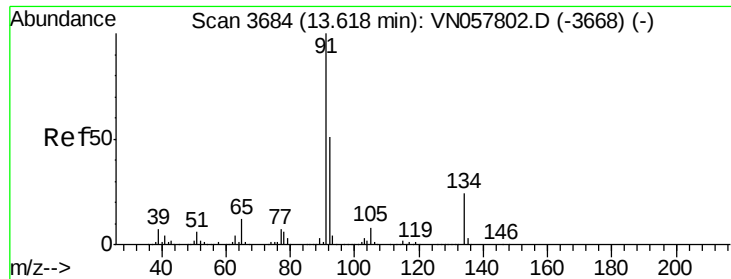
Tgt Ion:146 Resp: 175431
 Ion Ratio Lower Upper
 146 100
 111 41.6 20.5 61.6
 148 64.5 31.5 94.5



#88
 1,4-Dichlorobenzene
 Concen: 19.056 ug/l
 RT: 13.37 min Scan# 3606
 Delta R.T. 0.00 min
 Lab File: VN057977.D
 Acq: 12 Sep 2019 18:37

Tgt Ion:146 Resp: 176381
 Ion Ratio Lower Upper
 146 100
 111 42.2 20.4 61.2
 148 65.1 31.8 95.4





#89

n-Butylbenzene

Concen: 19.559 ug/l

RT: 13.62 min Scan# 3685

Delta R.T. 0.00 min

Lab File: VN057977.D

Acq: 12 Sep 2019 18:37

Instrument :

MSVOA_N

ClientSampled :

VN0913WBS02

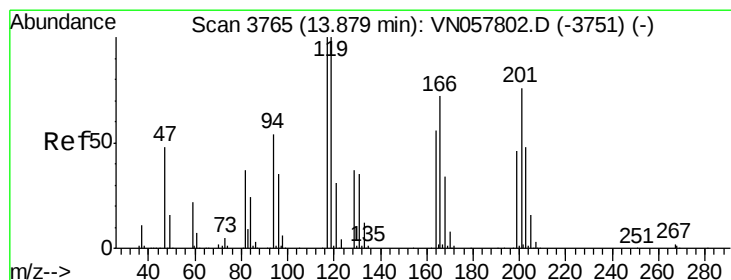
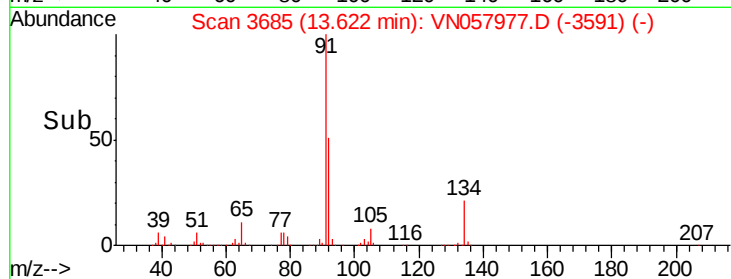
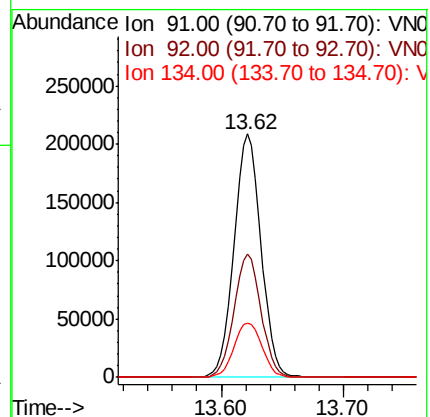
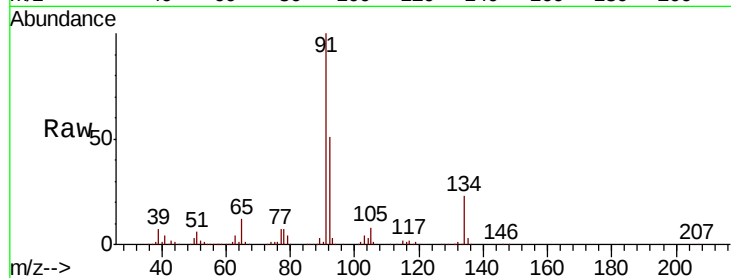
Tgt Ion: 91 Resp: 322829

Ion Ratio Lower Upper

91 100

92 50.6 25.7 77.0

134 23.3 11.9 35.7



#90

Hexachloroethane

Concen: 18.760 ug/l

RT: 13.88 min Scan# 3766

Delta R.T. 0.00 min

Lab File: VN057977.D

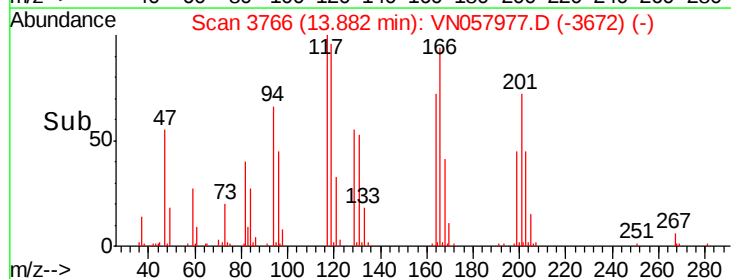
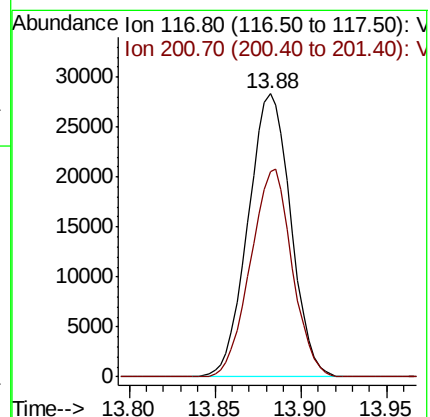
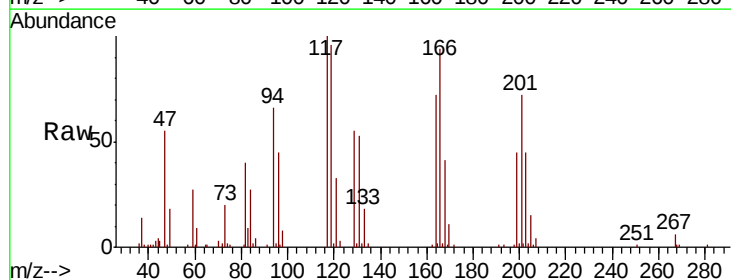
Acq: 12 Sep 2019 18:37

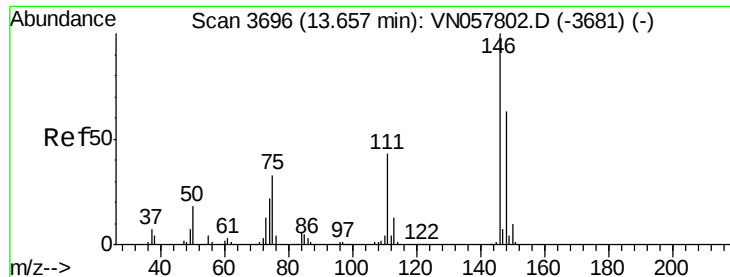
Tgt Ion: 117 Resp: 48763

Ion Ratio Lower Upper

117 100

201 71.5 37.5 112.7





#91

1,2-Dichlorobenzene

Concen: 19.728 ug/l

RT: 13.66 min Scan# 3697

Delta R.T. 0.00 min

Lab File: VN057977.D

Acq: 12 Sep 2019 18:37

Instrument :

MSVOA_N

ClientSampled :

VN0913WBS02

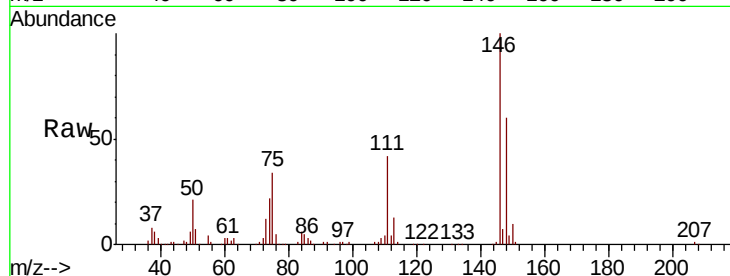
Tgt Ion:146 Resp: 179723

Ion Ratio Lower Upper

146 100

111 43.5 21.3 63.9

148 62.3 31.4 94.3

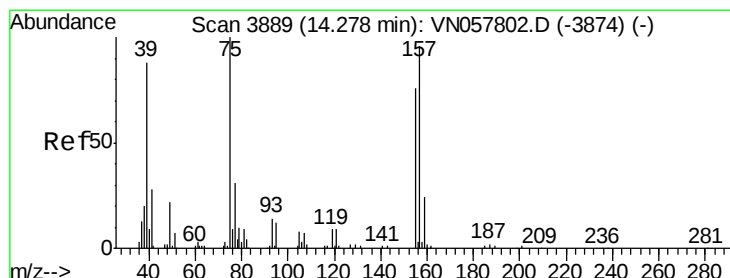
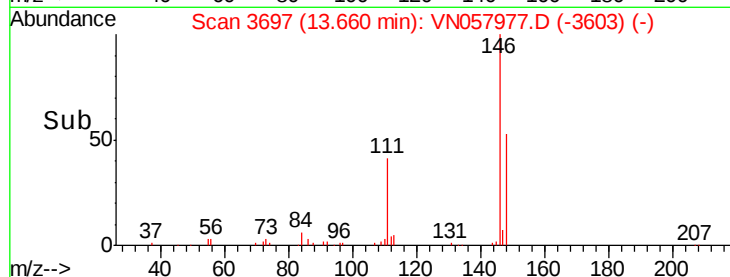
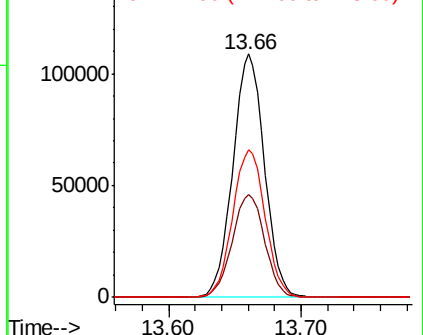


Abundance

Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 20.719 ug/l

RT: 14.28 min Scan# 3889

Delta R.T. 0.00 min

Lab File: VN057977.D

Acq: 12 Sep 2019 18:37

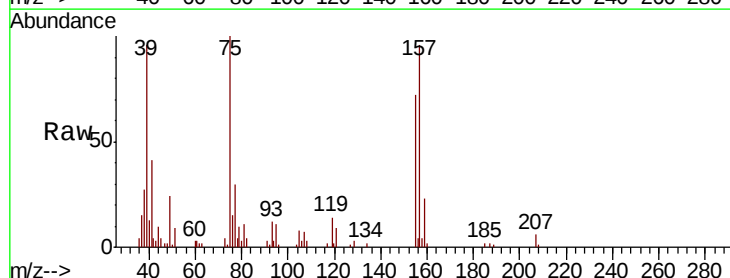
Tgt Ion: 75 Resp: 22956

Ion Ratio Lower Upper

75 100

155 72.2 37.3 111.8

157 93.3 47.9 143.8

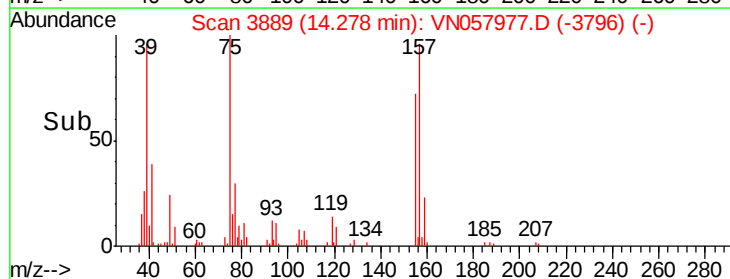
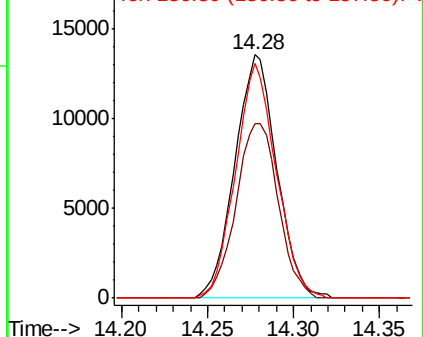


Abundance

Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

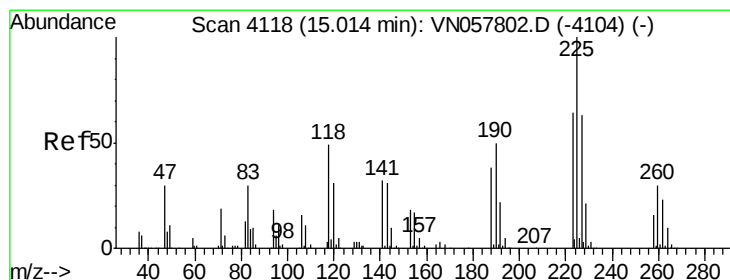
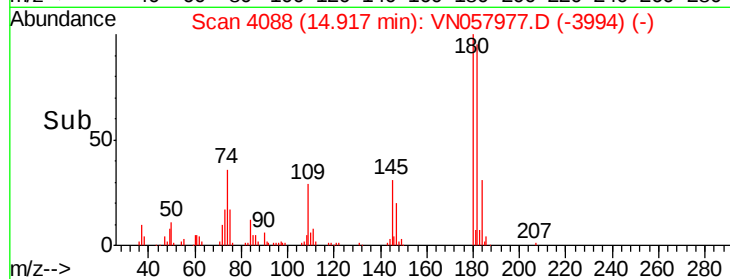
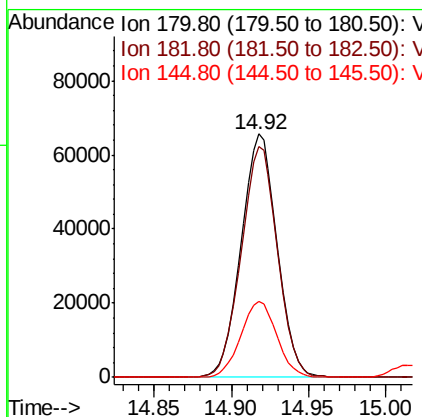
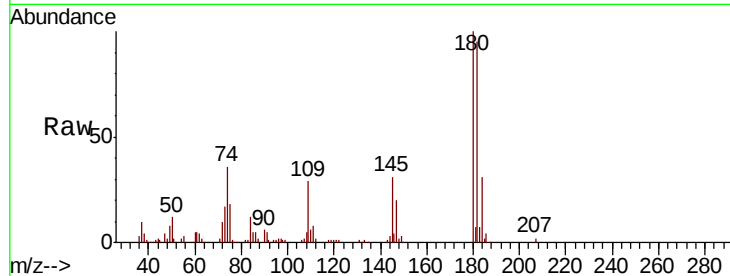




#93
 1,2,4-Trichlorobenzene
 Concen: 17.791 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN057977.D
 Acq: 12 Sep 2019 18:37

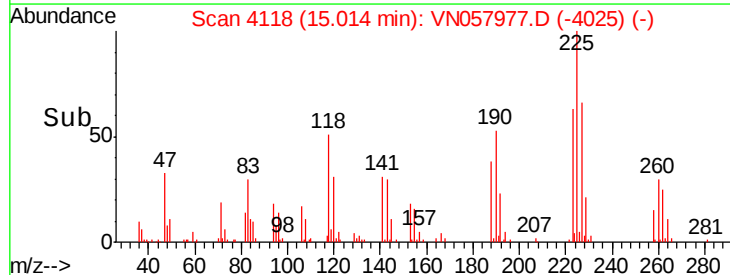
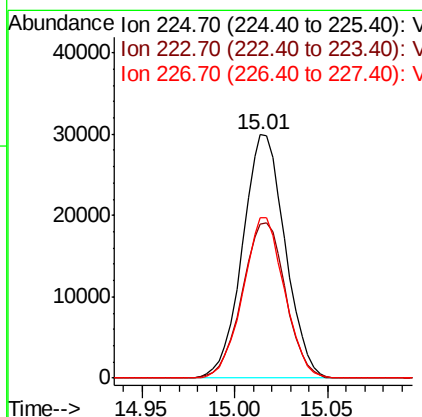
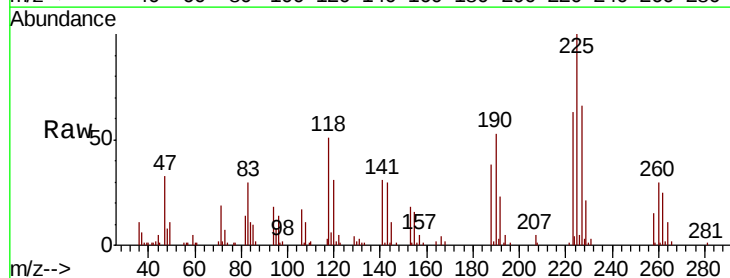
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0913WBS02

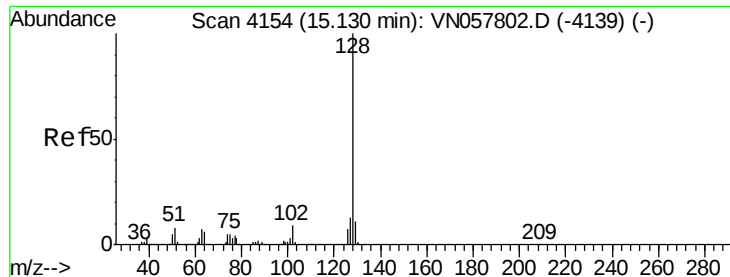
Tgt Ion:180 Resp: 105939
 Ion Ratio Lower Upper
 180 100
 182 95.7 46.9 140.8
 145 31.2 14.9 44.7



#94
 Hexachlorobutadiene
 Concen: 18.980 ug/l
 RT: 15.01 min Scan# 4118
 Delta R.T. 0.00 min
 Lab File: VN057977.D
 Acq: 12 Sep 2019 18:37

Tgt Ion:225 Resp: 47908
 Ion Ratio Lower Upper
 225 100
 223 65.1 32.4 97.2
 227 64.3 31.8 95.4

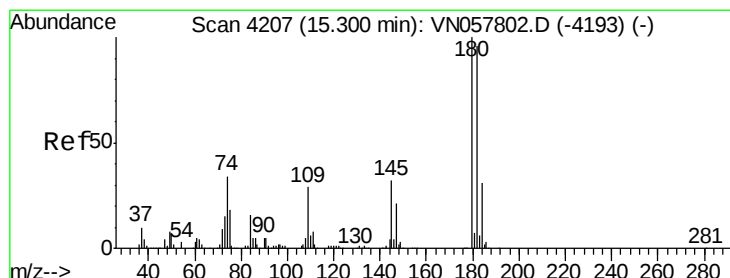
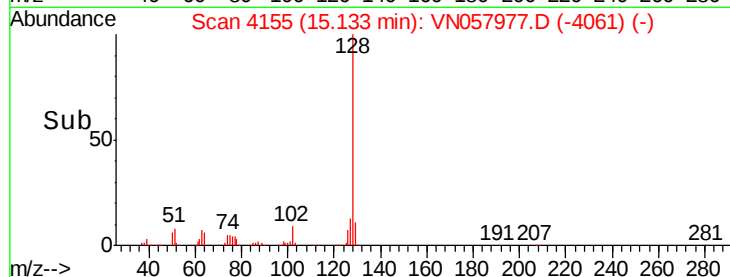
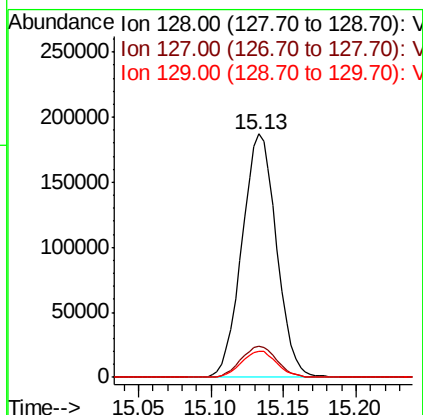
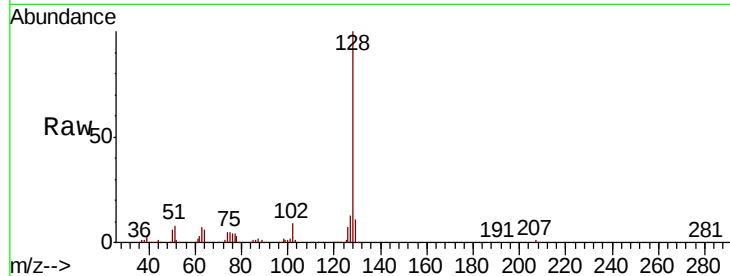




#95
Naphthalene
Concen: 19.691 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN057977.D
Acq: 12 Sep 2019 18:37

Instrument :
MSVOA_N
ClientSampleId :
VN0913WBS02

Tgt Ion:128 Resp: 310322
Ion Ratio Lower Upper
128 100
127 13.3 10.3 15.5
129 10.9 8.6 12.8



#96
1,2,3-Trichlorobenzene
Concen: 20.552 ug/l
RT: 15.30 min Scan# 4207
Delta R.T. 0.00 min
Lab File: VN057977.D
Acq: 12 Sep 2019 18:37

Tgt Ion:180 Resp: 103717
Ion Ratio Lower Upper
180 100
182 96.0 48.3 144.8
145 32.1 16.3 48.8

