

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN083019\
 Data File : VN057584.D
 Acq On : 30 Aug 2019 13:02
 Operator : JC/SP
 Sample : VN0830WBS01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0830WBS01

Quant Time: Aug 31 00:05:52 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N083019W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Sat Aug 31 00:00:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.18	128	82423	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.58	114	504053	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	438387	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.01	65	206060	32.45	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	108.17%
60) 4-Bromofluorobenzene	12.40	95	191874	28.79	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	95.97%
63) Toluene-d8	10.08	98	616713	30.38	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.27%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.85	85	90864	20.728	ug/l 97
3) Chloromethane	2.06	50	82163	21.183	ug/l 100
4) Vinyl Chloride	2.18	62	136317	22.653	ug/l 99
5) Bromomethane	2.55	94	120380	21.776	ug/l 99
6) Chloroethane	2.70	64	92226	22.641	ug/l 95
7) Trichlorofluoromethane	3.01	101	306700	23.066	ug/l 99
8) Diethyl Ether	3.40	74	93107	21.764	ug/l 92
9) 1,1,2-Trichlorotrifluoroet	3.74	101	182076	22.878	ug/l 95
10) 1,1-Dichloroethene	3.72	96	167042	22.847	ug/l 99
11) Methyl Iodide	3.93	142	278388	22.027	ug/l 99
12) Methyl Acetate	4.31	43	82548	20.941	ug/l 98
13) Acrolein	3.59	56	52564	104.641	ug/l 95
14) Acrylonitrile	4.98	53	167079	107.878	ug/l 98
15) Acetone	3.81	58	87420	104.581	ug/l 97
16) Carbon Disulfide	4.03	76	159451	20.904	ug/l 99
17) Allyl chloride	4.30	41	110724	21.226	ug/l 97
18) Methylene Chloride	4.53	84	90989	21.662	ug/l 96
19) trans-1,2-Dichloroethene	5.02	96	85331	20.438	ug/l 95
20) Diisopropyl ether	5.94	45	270870	21.745	ug/l 98
21) 1,1-Dichloroethane	5.83	63	170384	21.664	ug/l 97
22) cis-1,2-Dichloroethene	6.81	96	114657	20.607	ug/l 97
23) tert-Butyl Alcohol	4.80	59	62127	108.165	ug/l # 100
24) Methyl tert-Butyl Ether	5.03	73	284281	21.130	ug/l 97
25) Chloroform	7.36	83	197348	20.651	ug/l 98
26) Cyclohexane	7.64	56	137041	20.896	ug/l # 95
29) 1,1-Dichloropropene	7.78	75	134062	19.652	ug/l 99
30) 2-Butanone	6.82	43	226076	102.183	ug/l # 96
31) 2,2-Dichloropropane	6.81	77	153591	18.821	ug/l 96
32) 1,1,1-Trichloroethane	7.55	97	179337	19.609	ug/l 99
33) Carbon Tetrachloride	7.76	117	147914	19.061	ug/l 94
34) Benzene	8.03	78	402549	19.683	ug/l 94
35) Methacrylonitrile	7.16	41	43169	19.714	ug/l 99
36) 1,2-Dichloroethane	8.12	62	156565	20.749	ug/l 98
37) Trichloroethene	8.83	130	112461	18.986	ug/l 99
38) Methylcyclohexane	9.07	83	162478	19.555	ug/l 98
39) 1,2-Dichloropropane	9.11	63	100387	20.060	ug/l 100
40) Dibromomethane	9.20	93	76782	19.929	ug/l 98

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 ALS Vial : 12 Sample Multiplier: 1

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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Sat Aug 31 00:00:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	153072	19.392	ug/l	98
42) Vinyl Acetate	5.88	43	1063065	108.150	ug/l	100
43) Ethyl Acetate	6.92	43	90239	21.148	ug/l	99
44) Isopropyl Acetate	8.16	43	175152	20.520	ug/l	100
45) 1,4-Dioxane	9.19	88	30441	414.190	ug/l #	95
46) Methyl methacrylate	9.19	41	82323	20.794	ug/l	96
47) n-amyl Acetate	12.07	43	140049	19.819	ug/l	99
48) t-1,3-Dichloropropene	10.38	75	144175	18.401	ug/l	96
49) cis-1,3-Dichloropropene	9.83	75	158990	18.736	ug/l	98
50) 1,1,2-Trichloroethane	10.56	97	104995	19.094	ug/l	97
51) Ethyl methacrylate	10.43	69	141933	19.831	ug/l	94
52) 1,3-Dichloropropane	10.71	76	168526	19.669	ug/l	97
53) Dibromochloromethane	10.90	129	111837	18.064	ug/l	99
54) 1,2-Dibromoethane	11.00	107	105948	18.589	ug/l	98
55) 2-Chloroethyl vinyl ether	9.69	63	162718	92.627	ug/l	98
56) Bromoform	12.13	173	67715	16.725	ug/l #	97
58) 4-Methyl-2-Pentanone	9.98	43	499631	112.786	ug/l	99
59) 2-Hexanone	10.75	43	335162	107.006	ug/l	98
61) Tetrachloroethene	10.63	164	111894	19.965	ug/l	98
62) Toluene	10.15	91	472243	21.244	ug/l	99
64) Chlorobenzene	11.43	112	281649	19.675	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.51	131	111687	19.661	ug/l	98
66) Ethyl Benzene	11.51	91	509666	21.313	ug/l	99
67) m/p-Xylenes	11.62	106	380036	39.720	ug/l	100
68) o-Xylene	11.95	106	186710	19.422	ug/l	100
69) Styrene	11.96	104	293584	19.268	ug/l	99
70) Isopropylbenzene	12.25	105	512494	21.268	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.51	83	127967	19.965	ug/l	97
72) 1,2,3-Trichloropropane	12.55	75	157148	28.880	ug/l	60
73) Bromobenzene	12.53	156	116194	18.863	ug/l	98
74) n-propylbenzene	12.59	91	530830	21.369	ug/l	100
75) 2-Chlorotoluene	12.67	91	319795	19.931	ug/l	98
76) 1,3,5-Trimethylbenzene	12.73	105	423087	20.747	ug/l	99
77) t-1,4-Dichloro-2-butene	12.30	75	31187	18.096	ug/l	99
78) 4-Chlorotoluene	12.77	91	300210	19.450	ug/l	100
79) tert-butylbenzene	12.99	119	381051	20.446	ug/l	99
80) 1,2,4-Trimethylbenzene	13.04	105	401867	20.906	ug/l	97
81) sec-Butylbenzene	13.17	105	473047	20.880	ug/l	99
82) p-Isopropyltoluene	13.29	119	411718	20.492	ug/l	100
83) 1,3-Dichlorobenzene	13.29	146	179690	18.034	ug/l	97
84) 1,4-Dichlorobenzene	13.37	146	169809	17.769	ug/l	97
85) n-Butylbenzene	13.62	91	300214	19.187	ug/l	99
86) Hexachloroethane	13.88	117	69251	18.025	ug/l	98
87) 1,2-Dichlorobenzene	13.66	146	180373	18.835	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	14.27	75	18215	18.924	ug/l	97
89) 1,2,4-Trichlorobenzene	14.91	180	47220	13.381	ug/l	100
90) Hexachlorobutadiene	15.01	225	57781	19.037	ug/l	97
91) Naphthalene	15.13	128	144659	14.729	ug/l	100
92) 1,2,3-Trichlorobenzene	15.30	180	48471	13.865	ug/l	98

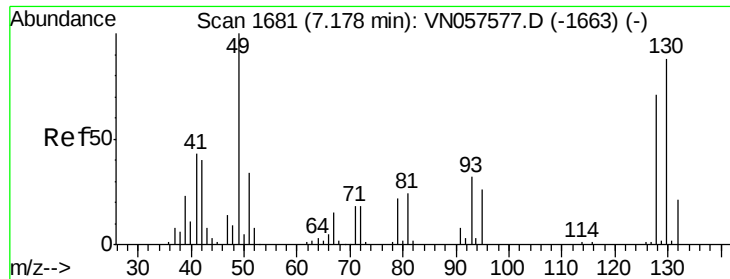
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN083019\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.18 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VN057584.D

Acq: 30 Aug 2019 13:02

Instrument :

MSVOA_N

ClientSampleId :

VN0830WBS01

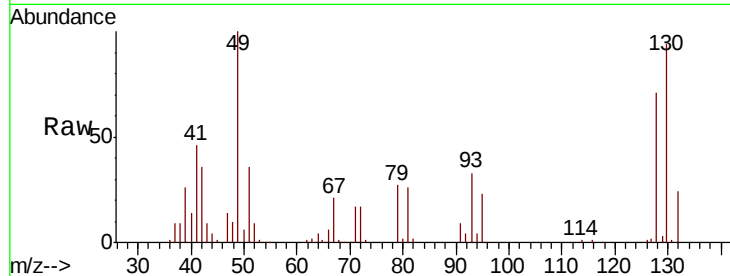
Tgt Ion:128 Resp: 82423

Ion Ratio Lower Upper

128 100

49 141.9 0.0 352.3

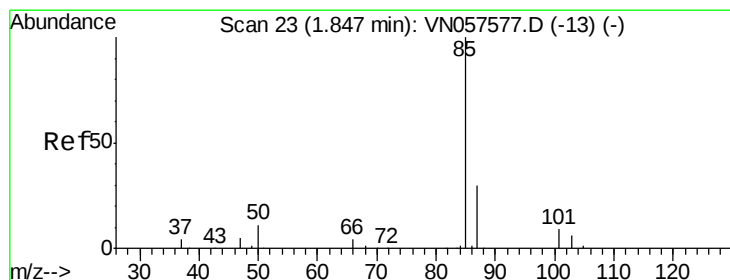
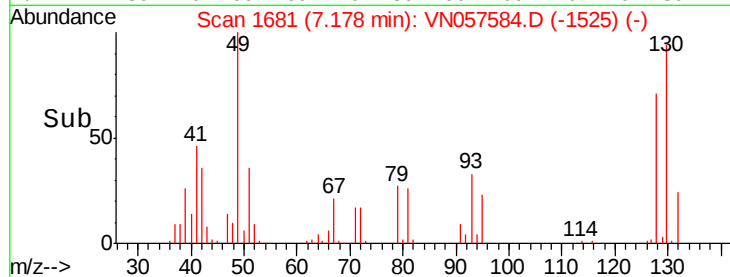
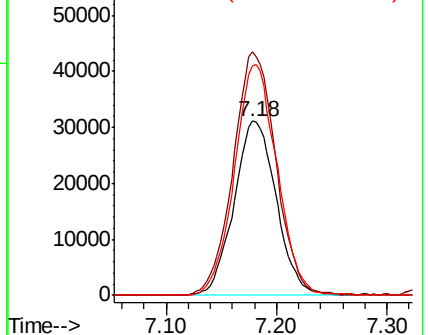
130 133.7 0.0 324.7



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VN

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 20.728 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN057584.D

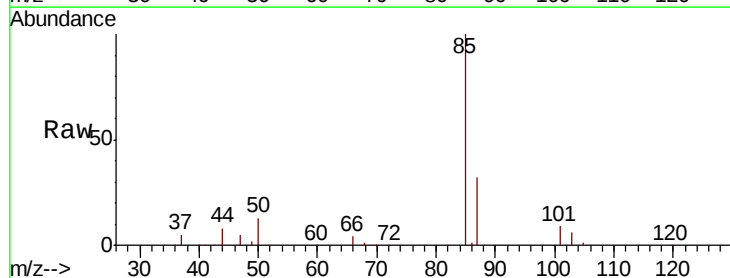
Acq: 30 Aug 2019 13:02

Tgt Ion: 85 Resp: 90864

Ion Ratio Lower Upper

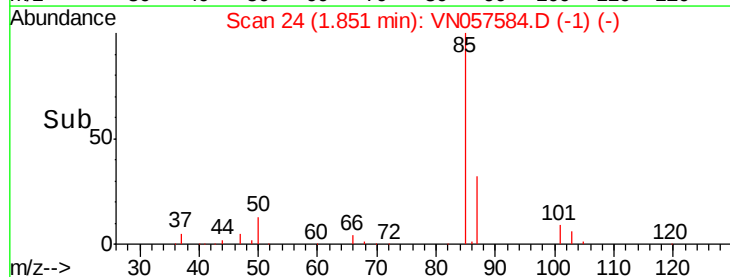
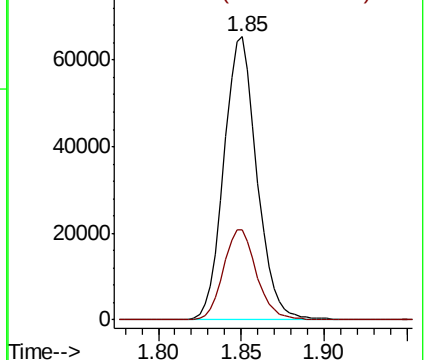
85 100

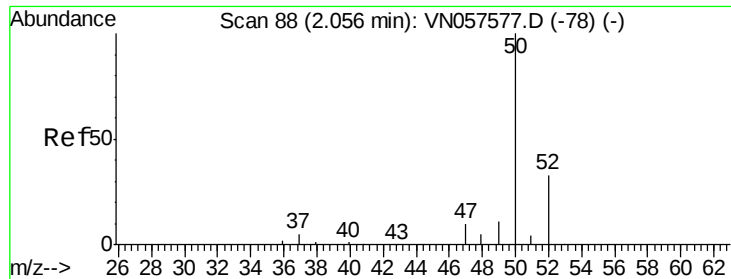
87 31.7 15.0 45.0



Abundance Ion 85.00 (84.70 to 85.70): VN

Ion 87.00 (86.70 to 87.70): VN

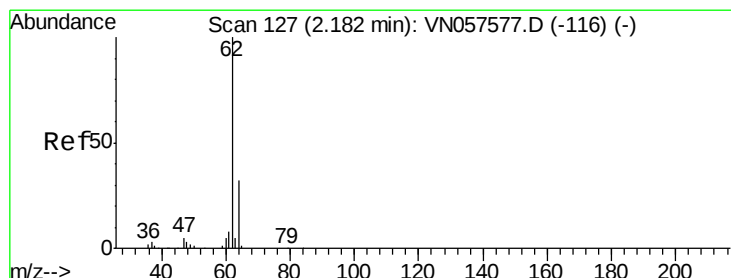
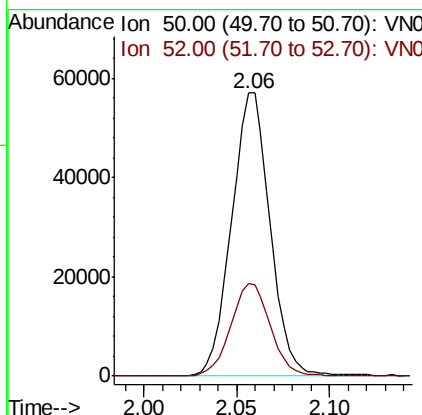
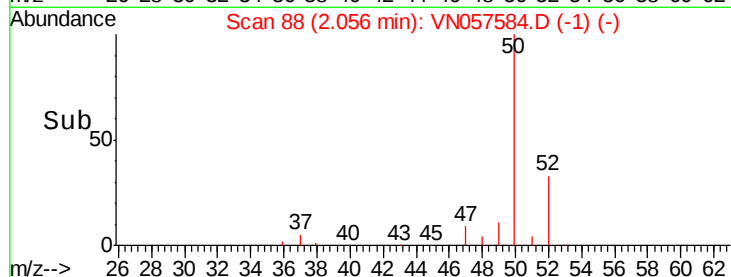
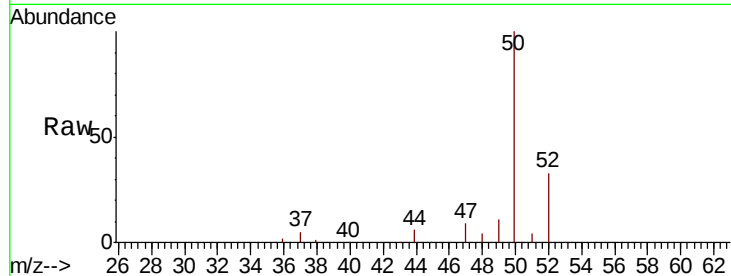




#3
Chloromethane
Concen: 21.183 ug/l
RT: 2.06 min Scan# 88
Delta R.T. 0.00 min
Lab File: VN057584.D
Acq: 30 Aug 2019 13:02

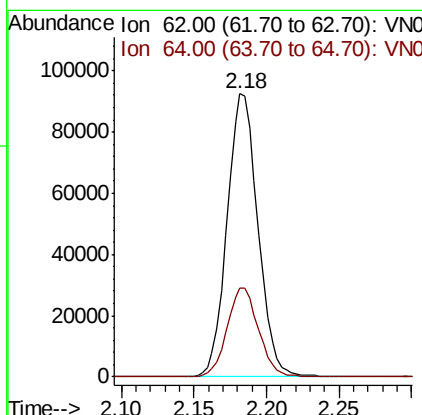
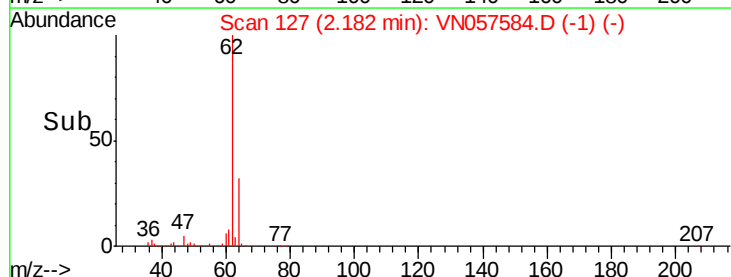
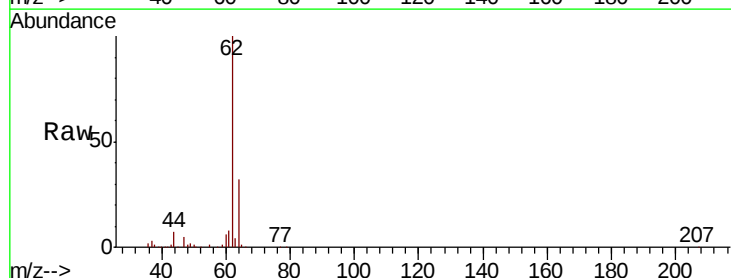
Instrument :
MSVOA_N
ClientSampleId :
VN0830WBS01

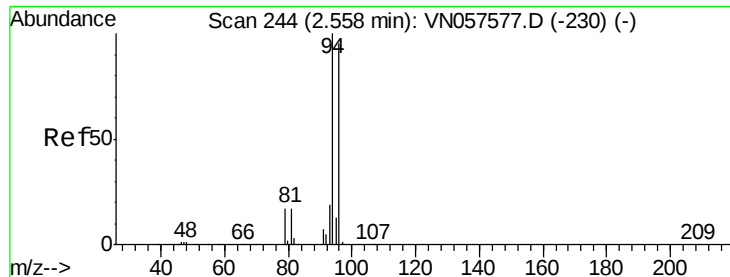
Tgt Ion: 50 Resp: 82163
Ion Ratio Lower Upper
50 100
52 32.8 26.2 39.2



#4
Vinyl Chloride
Concen: 22.653 ug/l
RT: 2.18 min Scan# 127
Delta R.T. 0.00 min
Lab File: VN057584.D
Acq: 30 Aug 2019 13:02

Tgt Ion: 62 Resp: 136317
Ion Ratio Lower Upper
62 100
64 31.6 25.9 38.9





#5

Bromomethane

Concen: 21.776 ug/l

RT: 2.55 min Scan# 243

Delta R.T. -0.00 min

Lab File: VN057584.D

Acq: 30 Aug 2019 13:02

Instrument :

MSVOA_N

ClientSampleId :

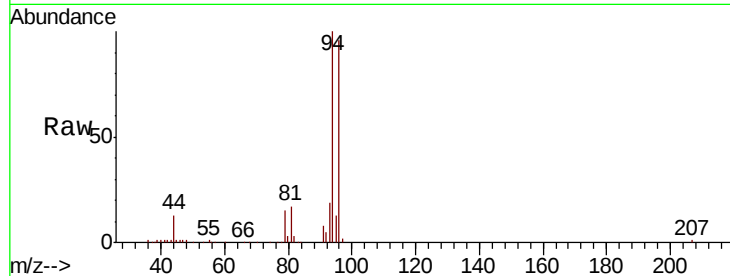
VN0830WBS01

Tgt Ion: 94 Resp: 120380

Ion Ratio Lower Upper

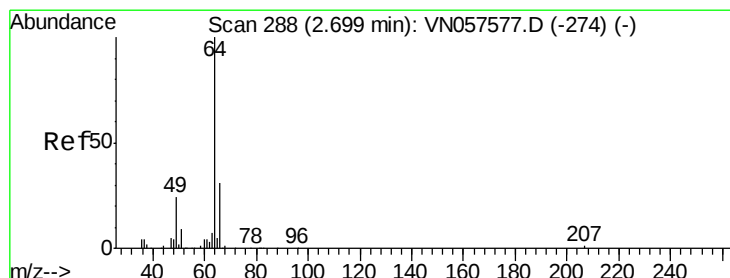
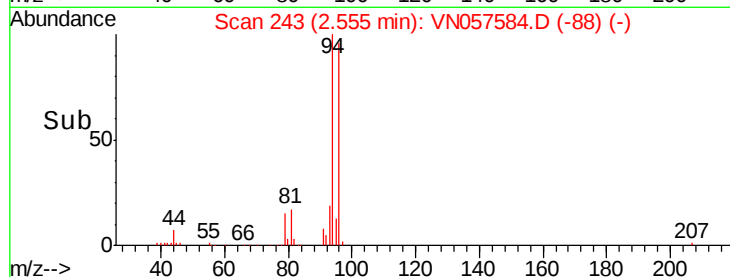
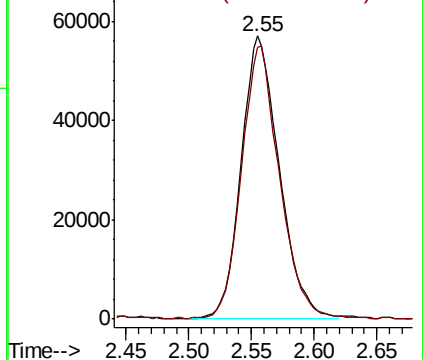
94 100

96 95.9 76.2 114.4



Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0



#6

Chloroethane

Concen: 22.641 ug/l

RT: 2.70 min Scan# 288

Delta R.T. 0.00 min

Lab File: VN057584.D

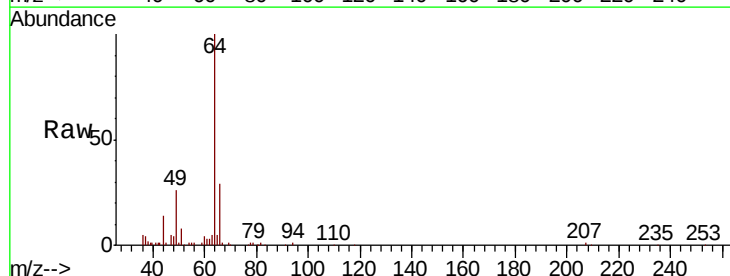
Acq: 30 Aug 2019 13:02

Tgt Ion: 64 Resp: 92226

Ion Ratio Lower Upper

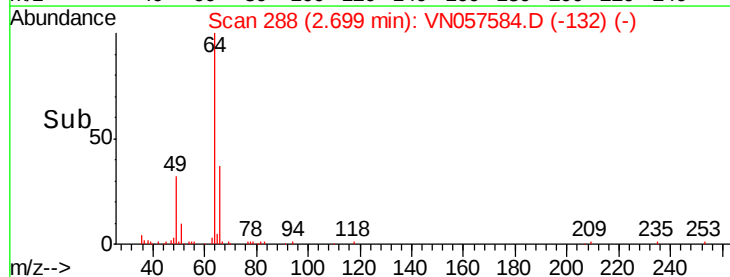
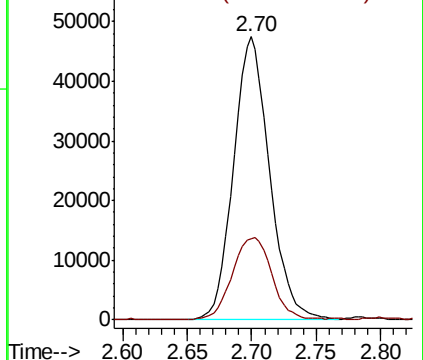
64 100

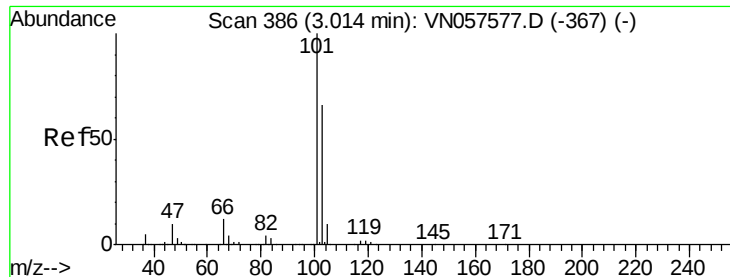
66 28.9 25.1 37.7



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0



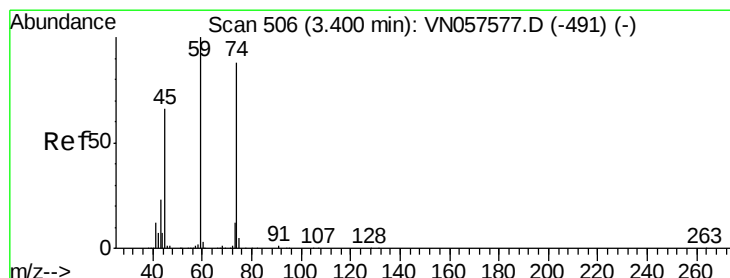
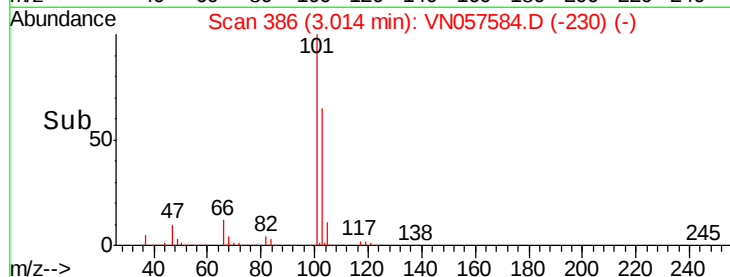
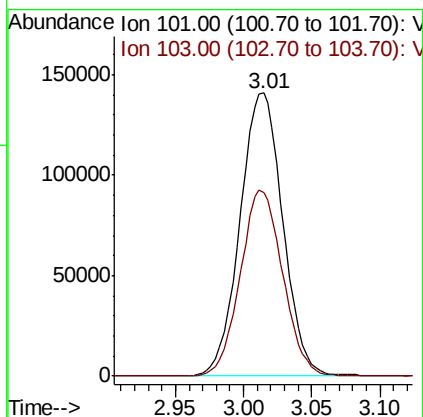
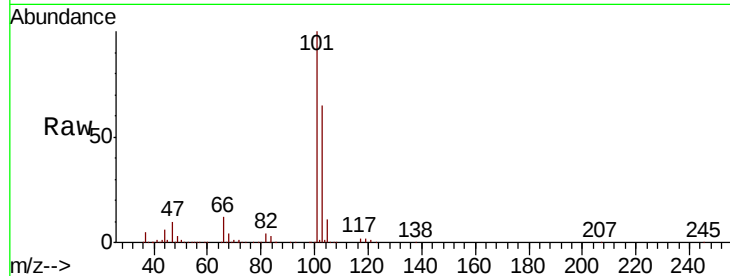


#7

Trichlorofluoromethane
 Concen: 23.066 ug/l
 RT: 3.01 min Scan# 386
 Delta R.T. 0.00 min
 Lab File: VN057584.D
 Acq: 30 Aug 2019 13:02

Instrument :
 MSVOA_N
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 VN0830WBS01

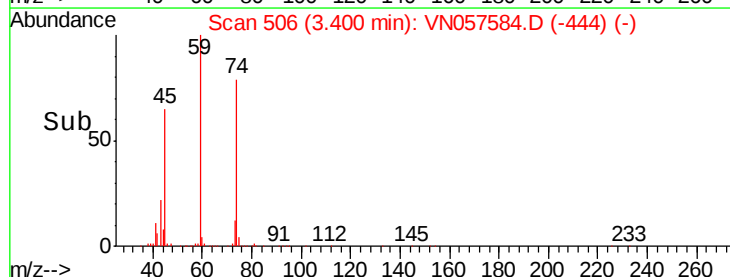
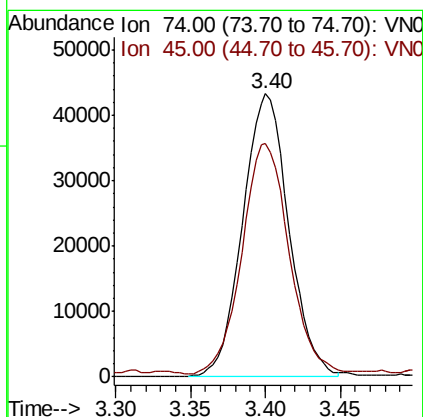
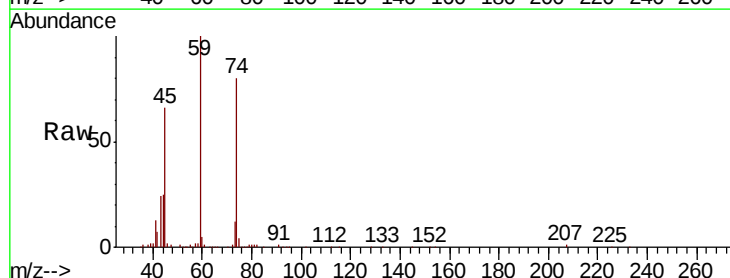
Tgt Ion:101 Resp: 306700
 Ion Ratio Lower Upper
 101 100
 103 65.0 52.4 78.6

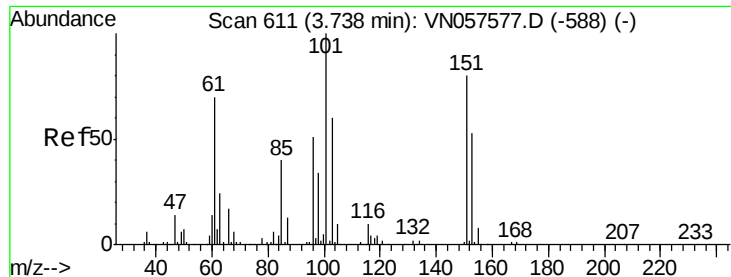


#8

Diethyl Ether
 Concen: 21.764 ug/l
 RT: 3.40 min Scan# 506
 Delta R.T. 0.00 min
 Lab File: VN057584.D
 Acq: 30 Aug 2019 13:02

Tgt Ion: 74 Resp: 93107
 Ion Ratio Lower Upper
 74 100
 45 82.8 15.2 137.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.878 ug/l

RT: 3.74 min Scan# 611

Delta R.T. 0.00 min

Lab File: VN057584.D

Acq: 30 Aug 2019 13:02

Instrument :

MSVOA_N

ClientSampleId :

VN0830WBS01

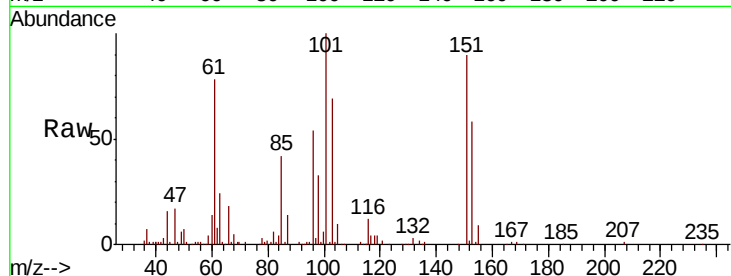
Tgt Ion: 101 Resp: 182076

Ion Ratio Lower Upper

101 100

85 43.2 0.0 83.2

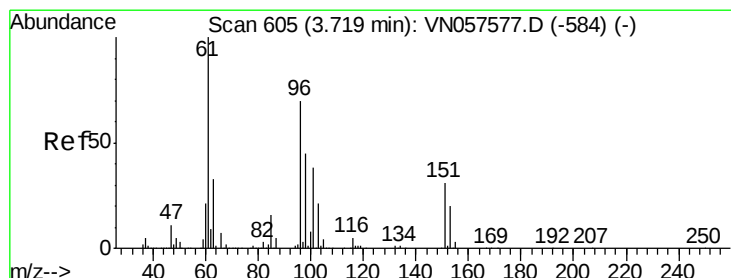
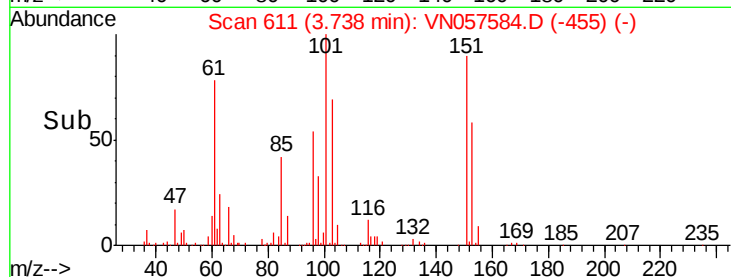
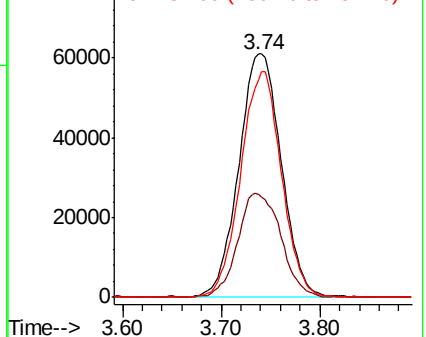
151 88.9 0.0 166.6



Abundance Ion 101.00 (100.70 to 101.70): VN057577.D (-588) (-)

Ion 85.00 (84.70 to 85.70): VN057577.D (-588) (-)

Ion 151.00 (150.70 to 151.70): VN057577.D (-588) (-)



#10

1,1-Dichloroethene

Concen: 22.847 ug/l

RT: 3.72 min Scan# 605

Delta R.T. 0.00 min

Lab File: VN057584.D

Acq: 30 Aug 2019 13:02

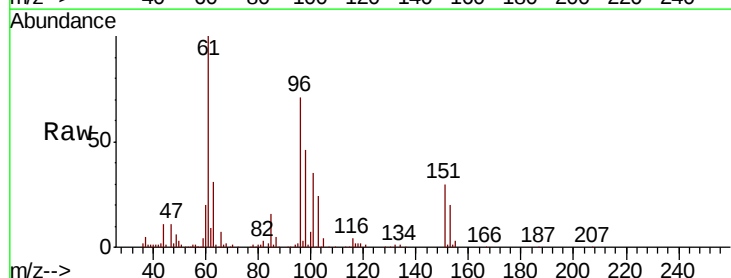
Tgt Ion: 96 Resp: 167042

Ion Ratio Lower Upper

96 100

61 141.1 114.2 171.4

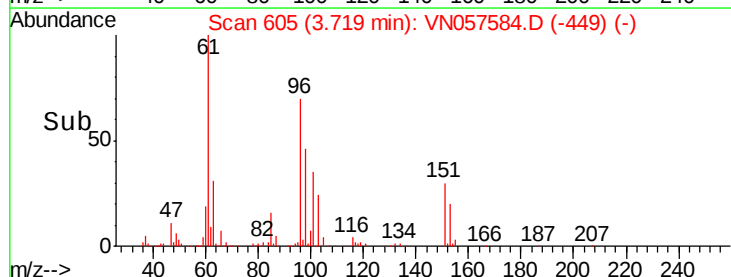
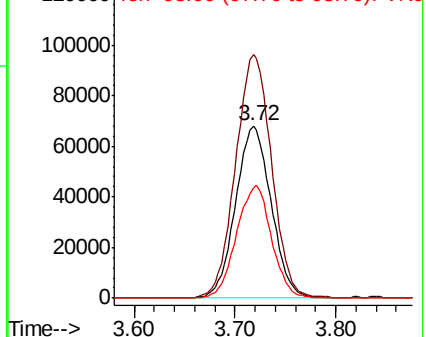
98 64.4 51.8 77.6

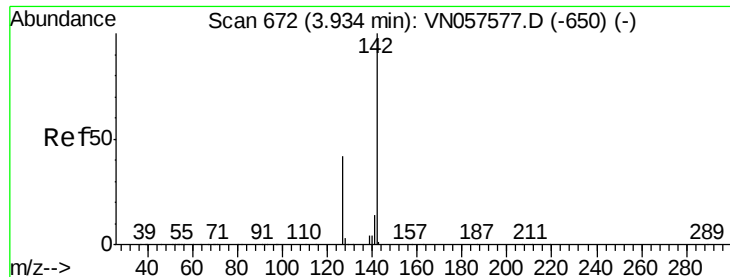


Abundance Ion 96.00 (95.70 to 96.70): VN057577.D (-584) (-)

Ion 61.00 (60.70 to 61.70): VN057577.D (-584) (-)

Ion 98.00 (97.70 to 98.70): VN057577.D (-584) (-)

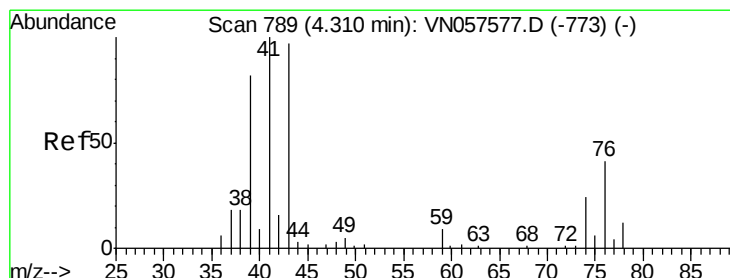
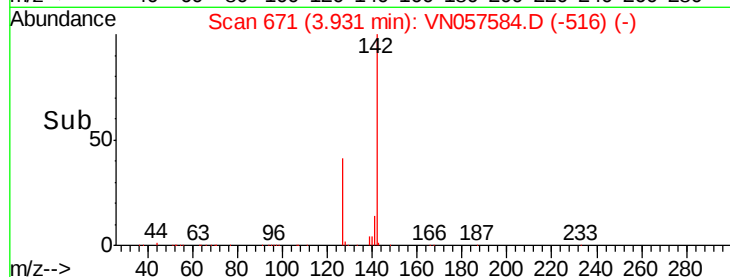
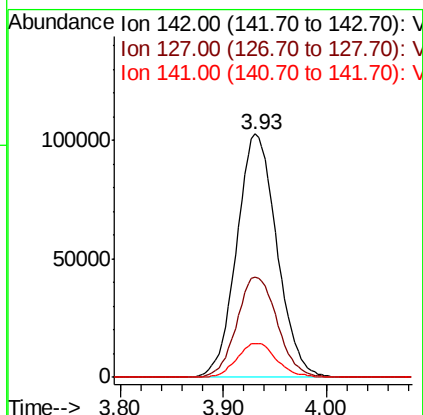
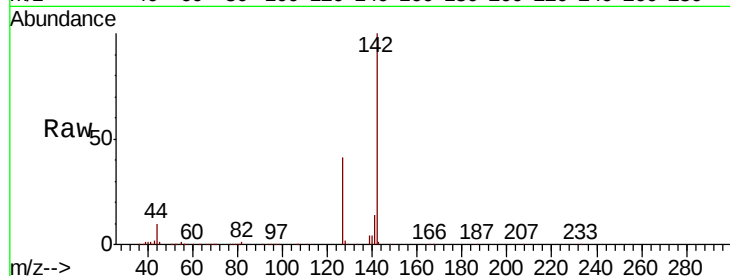




#11
Methyl Iodide
Concen: 22.027 ug/l
RT: 3.93 min Scan# 671
Delta R.T. -0.00 min
Lab File: VN057584.D
Acq: 30 Aug 2019 13:02

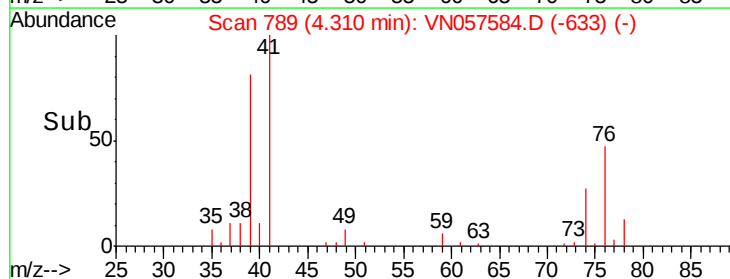
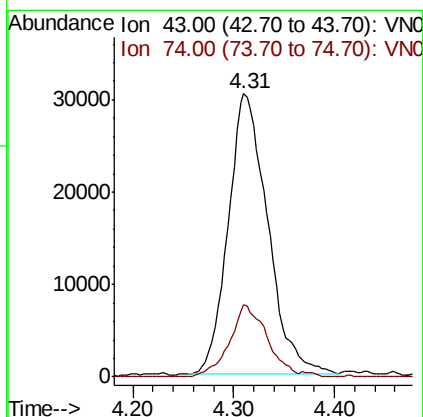
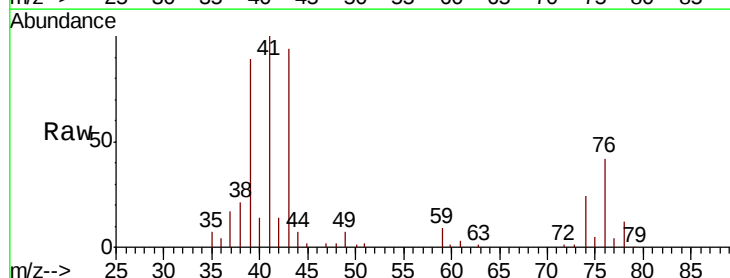
Instrument :
MSVOA_N
ClientSampled :
VN0830WBS01

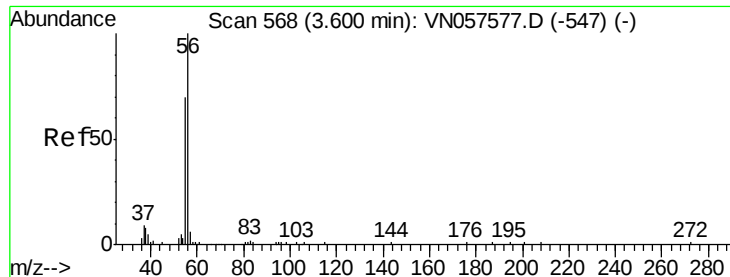
Tgt Ion	Ratio	Lower	Upper
142	100		
127	41.2	20.8	62.4
141	14.1	6.8	20.4



#12
Methyl Acetate
Concen: 20.941 ug/l
RT: 4.31 min Scan# 789
Delta R.T. 0.00 min
Lab File: VN057584.D
Acq: 30 Aug 2019 13:02

Tgt Ion	Ratio	Lower	Upper
43	100		
74	25.6	19.6	29.4





#13

Acrolein

Concen: 104.641 ug/l

RT: 3.59 min Scan# 566

Delta R.T. -0.01 min

Lab File: VN057584.D

Acq: 30 Aug 2019 13:02

Instrument :

MSVOA_N

ClientSampleId :

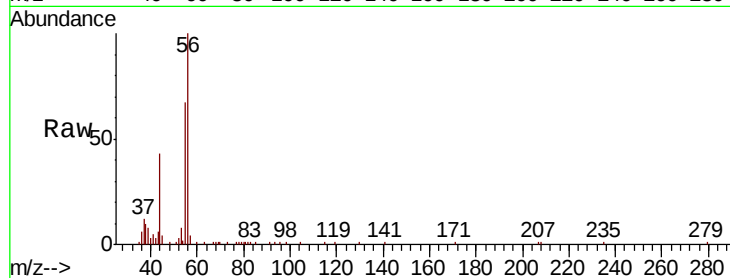
VN0830WBS01

Tgt Ion: 56 Resp: 52564

Ion Ratio Lower Upper

56 100

55 72.2 54.5 81.7



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

25000

20000

15000

10000

5000

0

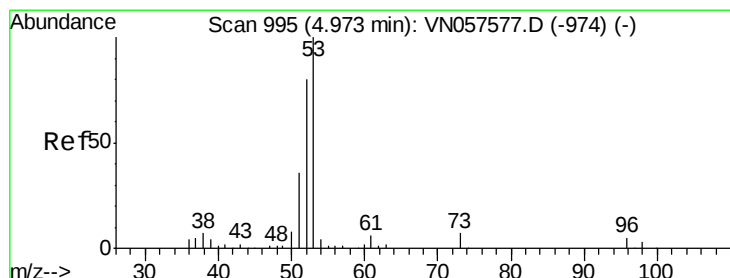
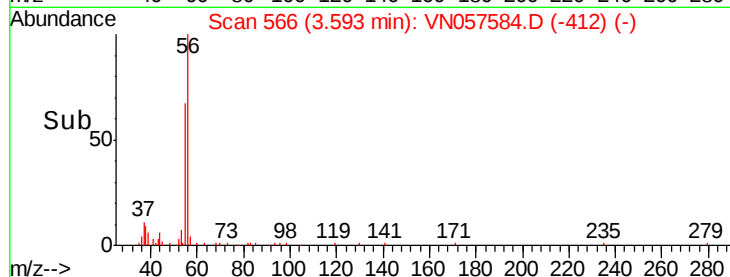
3.50

3.55

3.60

3.65

Time-->



#14

Acrylonitrile

Concen: 107.878 ug/l

RT: 4.98 min Scan# 996

Delta R.T. 0.00 min

Lab File: VN057584.D

Acq: 30 Aug 2019 13:02

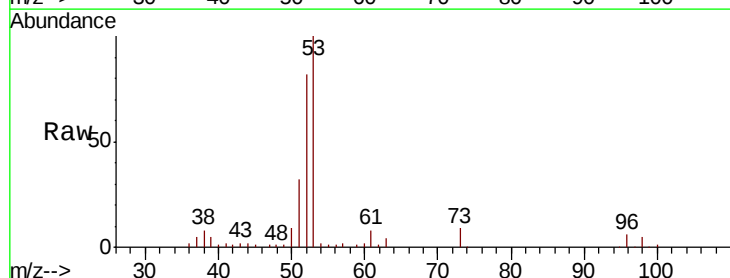
Tgt Ion: 53 Resp: 167079

Ion Ratio Lower Upper

53 100

52 82.3 40.6 122.0

51 19.3 8.3 24.9



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

60000

40000

20000

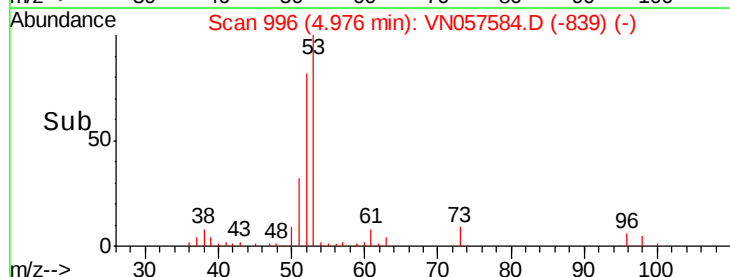
0

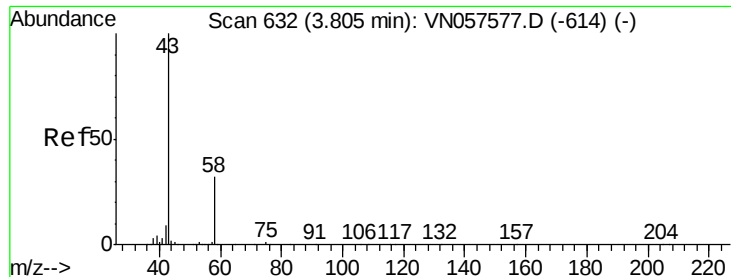
4.90

5.00

5.10

Time-->





#15

Acetone

Concen: 104.581 ug/l

RT: 3.81 min Scan# 633

Delta R.T. 0.00 min

Lab File: VN057584.D

Acq: 30 Aug 2019 13:02

Instrument :

MSVOA_N

ClientSampleId :

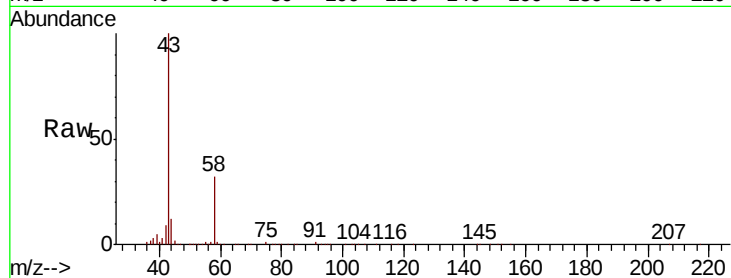
VN0830WBS01

Tgt Ion: 58 Resp: 87420

Ion Ratio Lower Upper

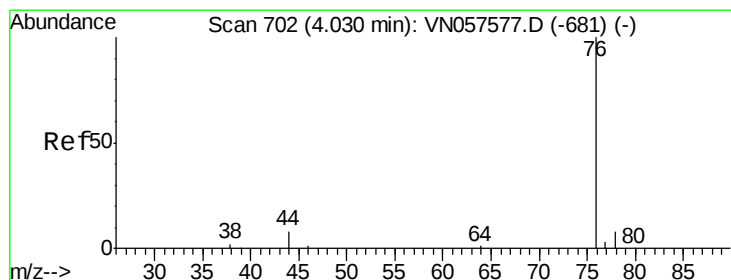
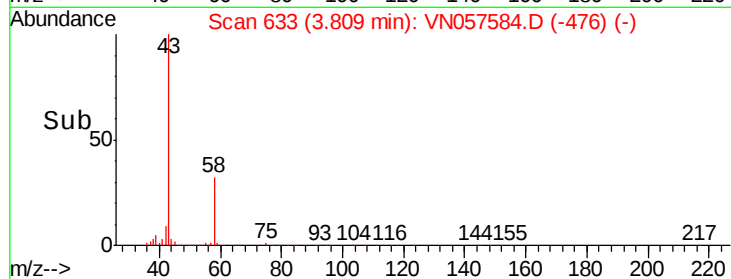
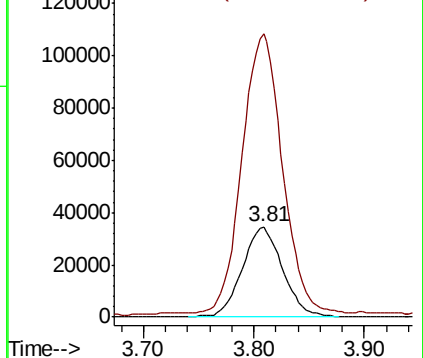
58 100

43 309.0 252.8 379.2



Abundance Ion 58.00 (57.70 to 58.70): VN0

Ion 43.00 (42.70 to 43.70): VN0



#16

Carbon Disulfide

Concen: 20.904 ug/l

RT: 4.03 min Scan# 701

Delta R.T. -0.00 min

Lab File: VN057584.D

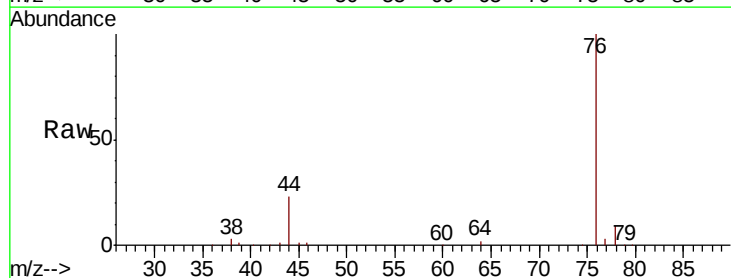
Acq: 30 Aug 2019 13:02

Tgt Ion: 76 Resp: 159451

Ion Ratio Lower Upper

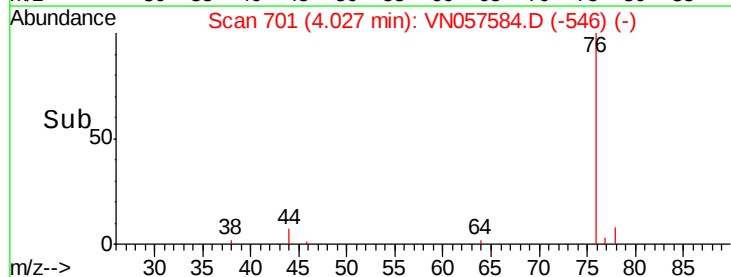
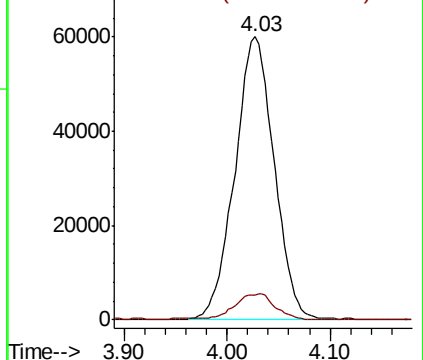
76 100

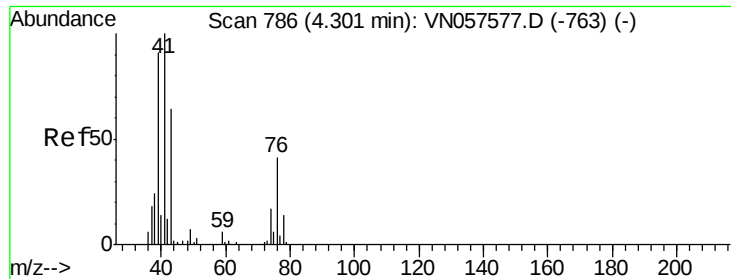
78 8.8 6.7 10.1



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0

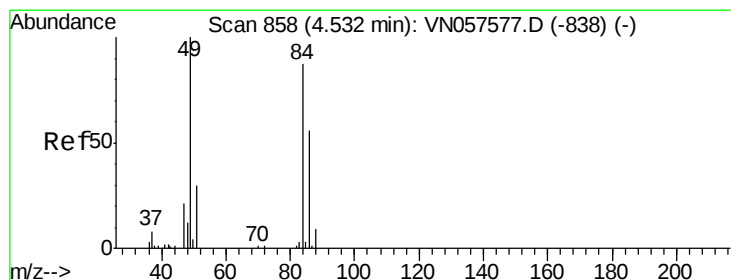
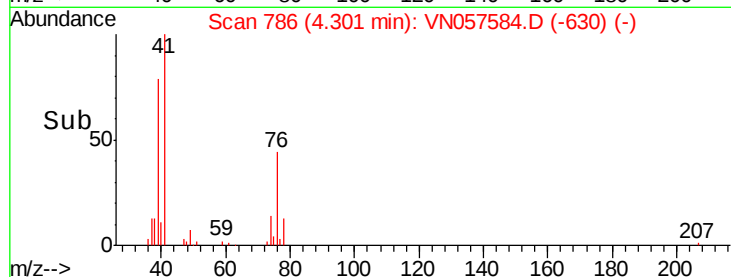
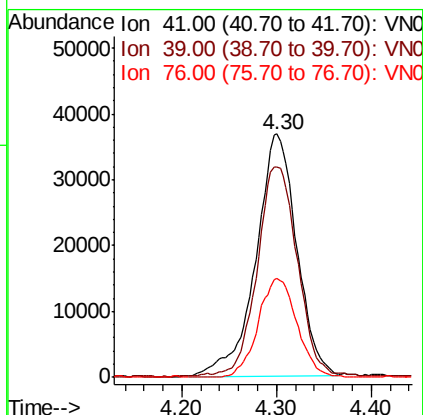
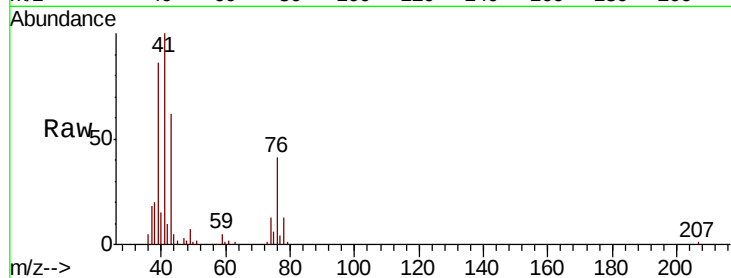




#17
 Allyl chloride
 Concen: 21.226 ug/l
 RT: 4.30 min Scan# 786
 Delta R.T. 0.00 min
 Lab File: VN057584.D
 Acq: 30 Aug 2019 13:02

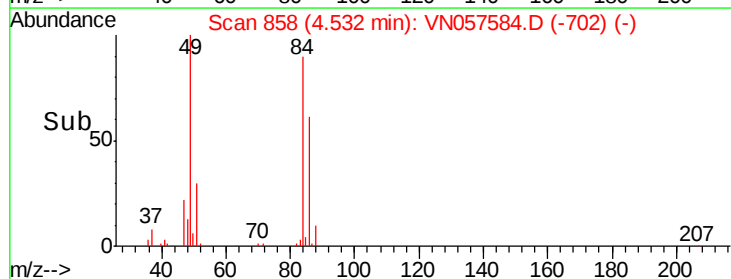
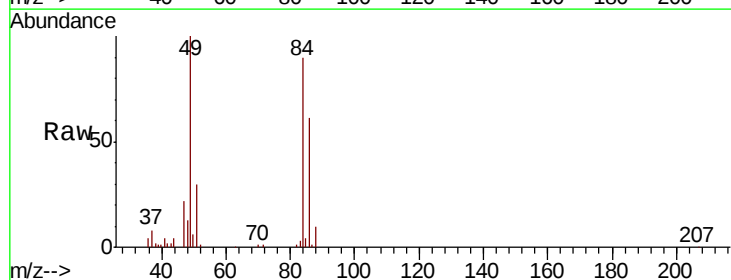
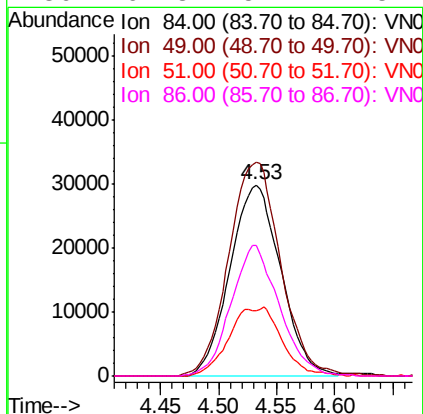
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0830WBS01

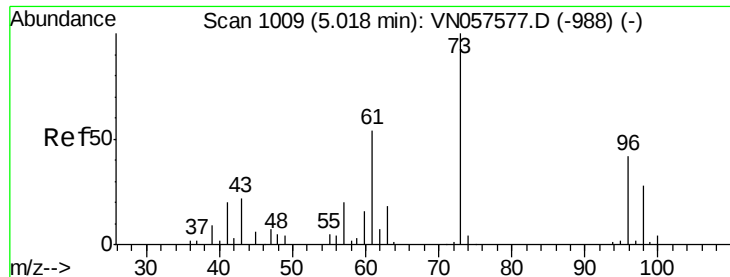
Tgt Ion: 41 Resp: 110724
 Ion Ratio Lower Upper
 41 100
 39 86.3 44.6 134.0
 76 41.0 19.8 59.3



#18
 Methylene Chloride
 Concen: 21.662 ug/l
 RT: 4.53 min Scan# 858
 Delta R.T. 0.00 min
 Lab File: VN057584.D
 Acq: 30 Aug 2019 13:02

Tgt Ion: 84 Resp: 90989
 Ion Ratio Lower Upper
 84 100
 49 109.7 92.4 138.6
 51 34.0 27.9 41.9
 86 67.3 52.2 78.2

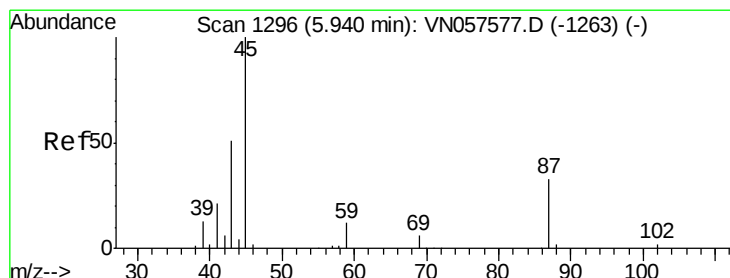
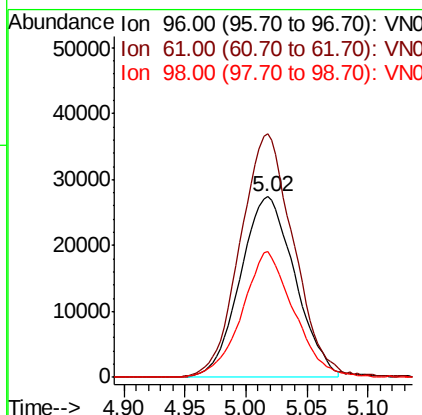
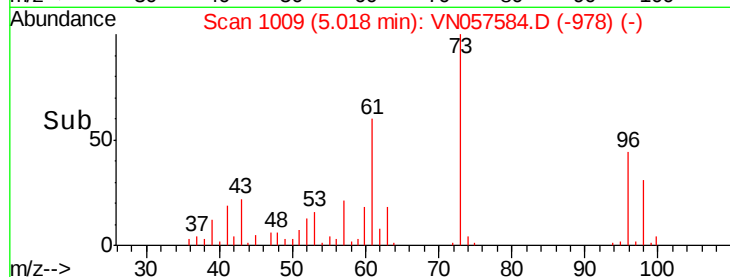
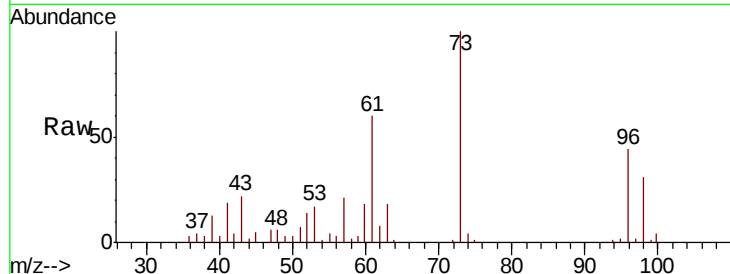




#19
trans-1,2-Dichloroethene
Concen: 20.438 ug/l
RT: 5.02 min Scan# 1009
Delta R.T. 0.00 min
Lab File: VN057584.D
Acq: 30 Aug 2019 13:02

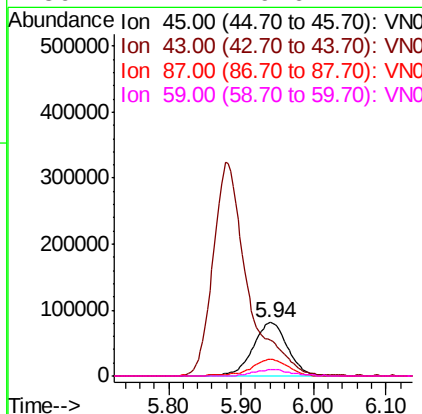
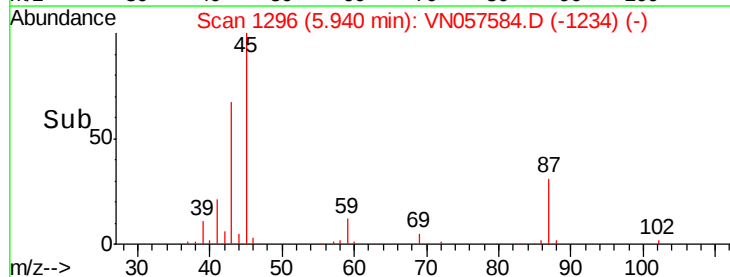
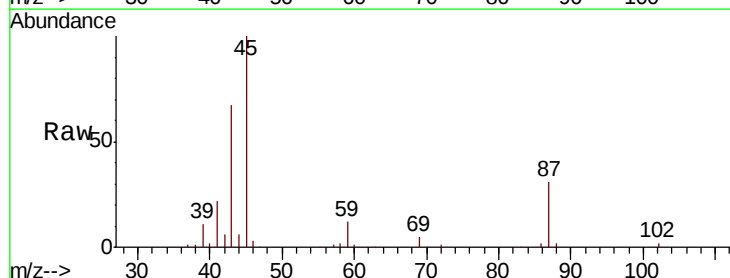
Instrument :
MSVOA_N
ClientSampled :
VN0830WBS01

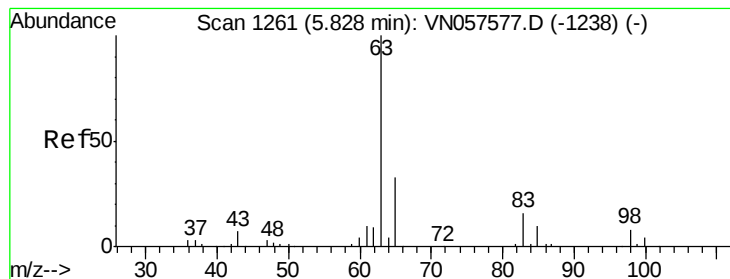
Tgt Ion: 96 Resp: 85331
Ion Ratio Lower Upper
96 100
61 133.7 102.6 153.8
98 69.3 52.6 79.0



#20
Diisopropyl ether
Concen: 21.745 ug/l
RT: 5.94 min Scan# 1296
Delta R.T. 0.00 min
Lab File: VN057584.D
Acq: 30 Aug 2019 13:02

Tgt Ion: 45 Resp: 270870
Ion Ratio Lower Upper
45 100
43 65.4 51.9 77.9
87 30.5 27.3 40.9
59 12.1 9.6 14.4





#21

1,1-Dichloroethane

Concen: 21.664 ug/l

RT: 5.83 min Scan# 1261

Delta R.T. 0.00 min

Lab File: VN057584.D

Acq: 30 Aug 2019 13:02

Instrument :

MSVOA_N

ClientSampleId :

VN0830WBS01

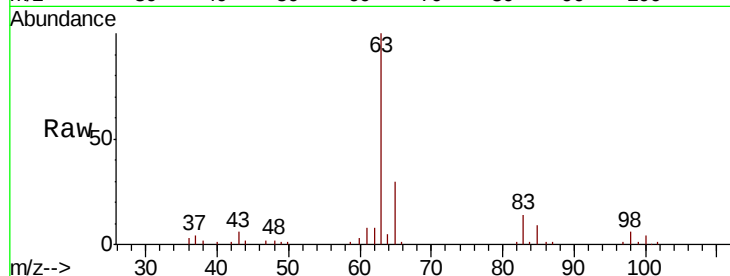
Tgt Ion: 63 Resp: 170384

Ion Ratio Lower Upper

63 100

98 6.2 3.8 11.2

100 4.0 2.0 6.0

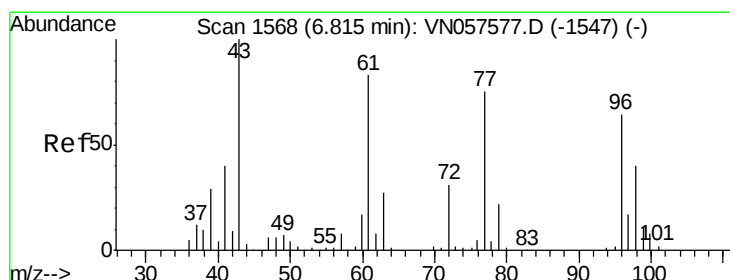
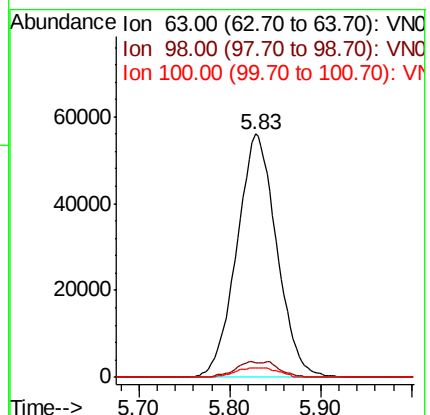
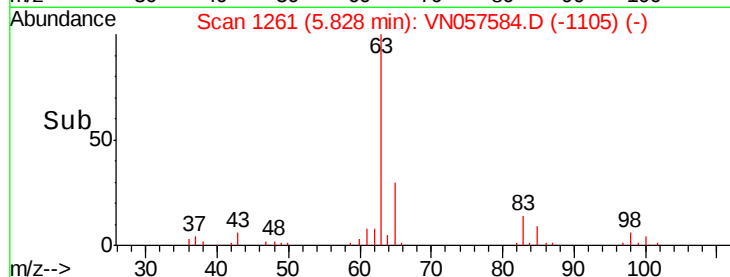


Abundance Ion 63.00 (62.70 to 63.70): VN057577.D (-1238) (-)

Ion 98.00 (97.70 to 98.70): VN057577.D (-1238) (-)

Ion 100.00 (99.70 to 100.70): VN057577.D (-1238) (-)

5.83



#22

cis-1,2-Dichloroethene

Concen: 20.607 ug/l

RT: 6.81 min Scan# 1567

Delta R.T. -0.00 min

Lab File: VN057584.D

Acq: 30 Aug 2019 13:02

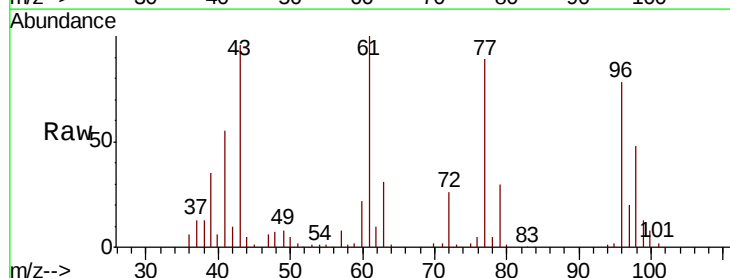
Tgt Ion: 96 Resp: 114657

Ion Ratio Lower Upper

96 100

61 132.1 110.5 165.7

98 63.7 51.1 76.7

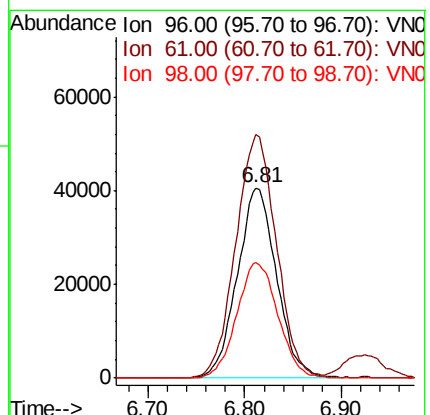
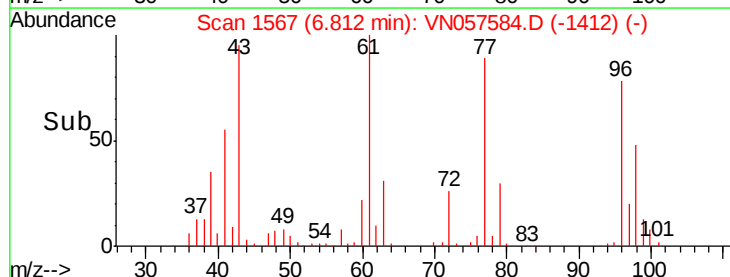


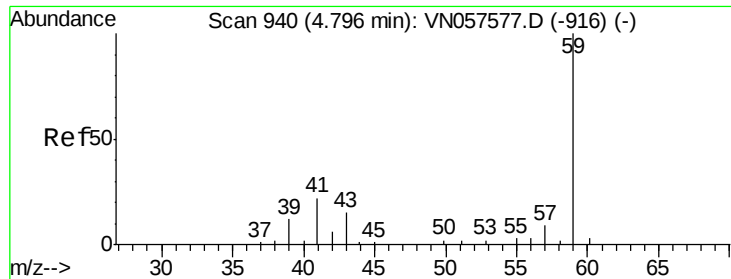
Abundance Ion 96.00 (95.70 to 96.70): VN057577.D (-1547) (-)

Ion 61.00 (60.70 to 61.70): VN057577.D (-1547) (-)

Ion 98.00 (97.70 to 98.70): VN057577.D (-1547) (-)

6.81

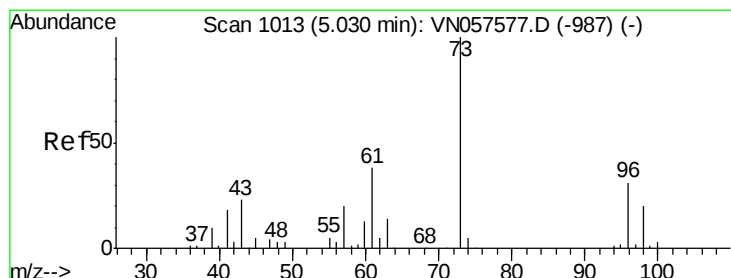
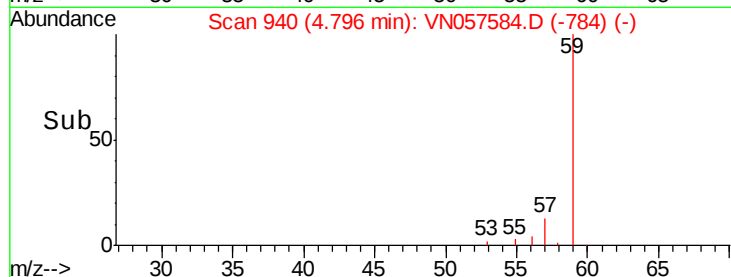
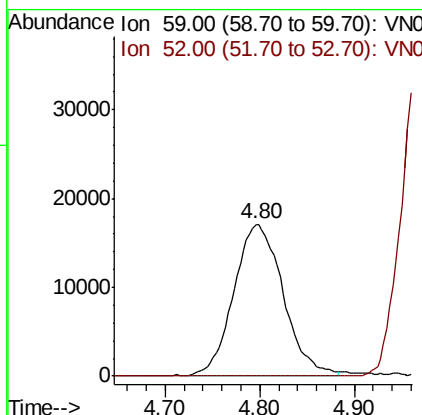
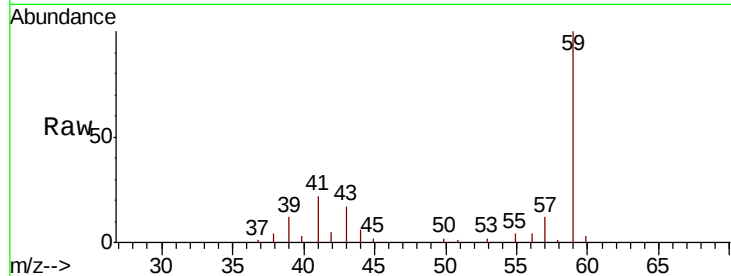




#23
 tert-Butyl Alcohol
 Concen: 108.165 ug/l
 RT: 4.80 min Scan# 940
 Delta R.T. 0.00 min
 Lab File: VN057584.D
 Acq: 30 Aug 2019 13:02

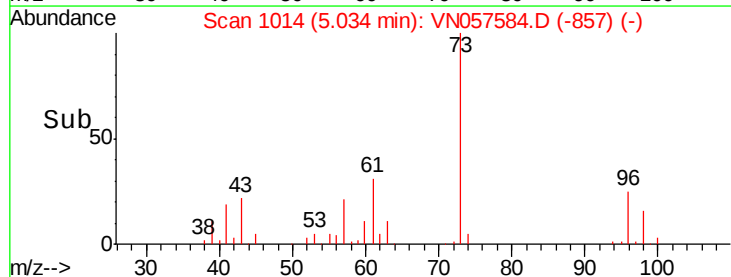
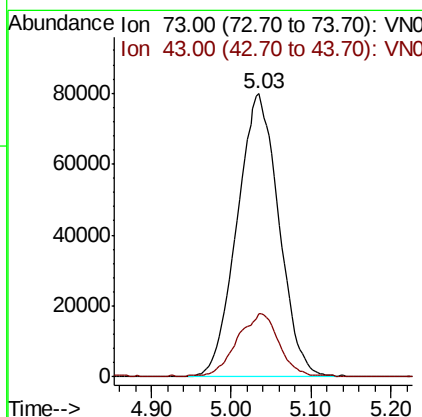
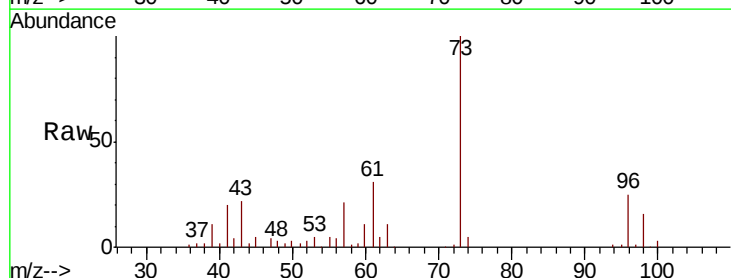
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0830WBS01

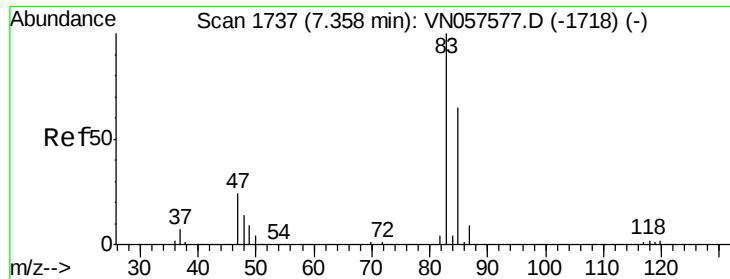
Tgt Ion: 59 Resp: 62127
 Ion Ratio Lower Upper
 59 100
 52 0.0 0.1 0.1#



#24
 Methyl tert-Butyl Ether
 Concen: 21.130 ug/l
 RT: 5.03 min Scan# 1014
 Delta R.T. 0.00 min
 Lab File: VN057584.D
 Acq: 30 Aug 2019 13:02

Tgt Ion: 73 Resp: 284281
 Ion Ratio Lower Upper
 73 100
 43 21.5 18.4 27.6

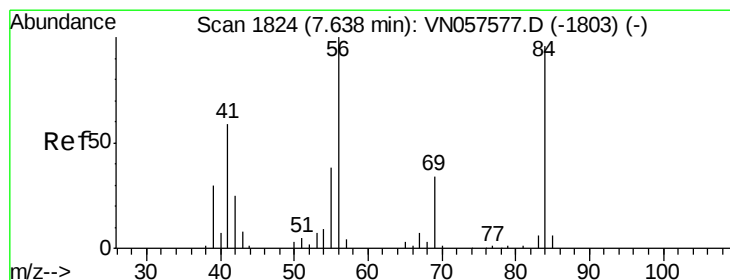
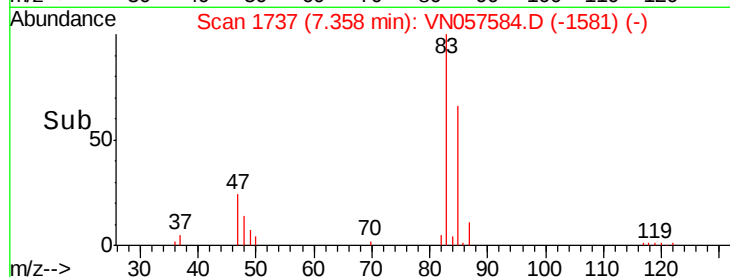
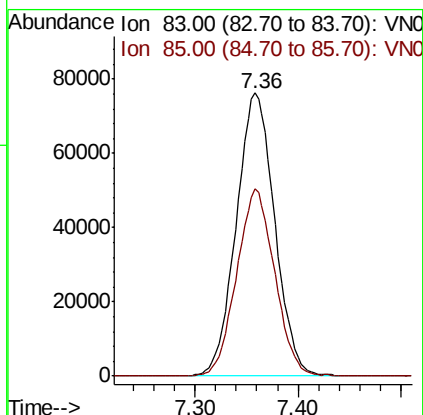
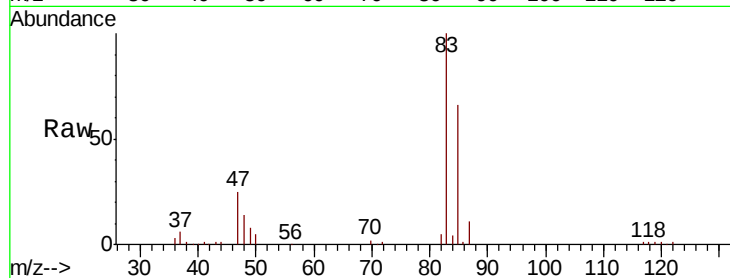




#25
Chloroform
Concen: 20.651 ug/l
RT: 7.36 min Scan# 1737
Delta R.T. 0.00 min
Lab File: VN057584.D
Acq: 30 Aug 2019 13:02

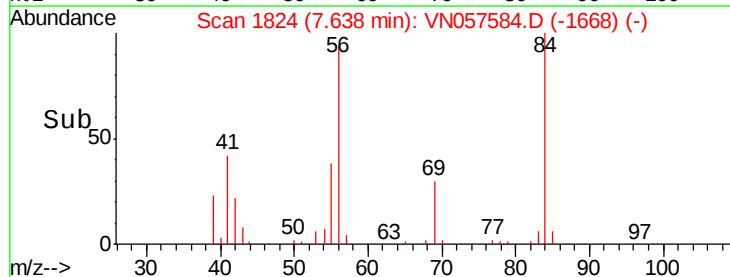
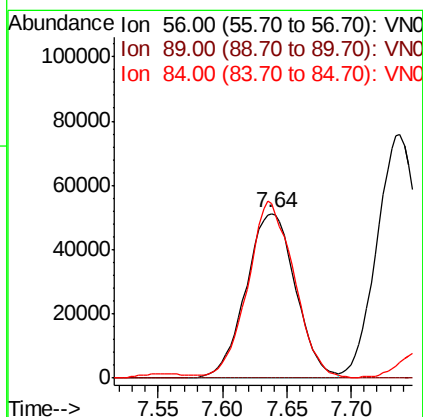
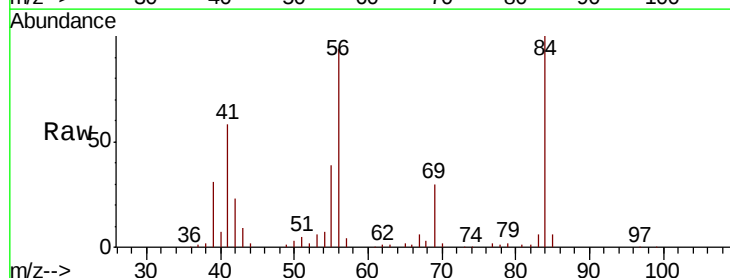
Instrument :
MSVOA_N
ClientSampleId :
VN0830WBS01

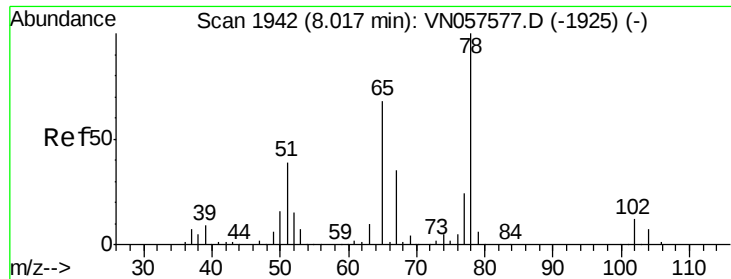
Tgt Ion: 83 Resp: 197348
Ion Ratio Lower Upper
83 100
85 66.0 51.8 77.6



#26
Cyclohexane
Concen: 20.896 ug/l
RT: 7.64 min Scan# 1824
Delta R.T. 0.00 min
Lab File: VN057584.D
Acq: 30 Aug 2019 13:02

Tgt Ion: 56 Resp: 137041
Ion Ratio Lower Upper
56 100
89 0.0 0.0 0.0
84 100.1 75.9 113.9





#27

1,2-Dichloroethane-d4

Concen: 32.446 ug/l

RT: 8.01 min Scan# 1941

Delta R.T. -0.00 min

Lab File: VN057584.D

Acq: 30 Aug 2019 13:02

Instrument :

MSVOA_N

ClientSampleId :

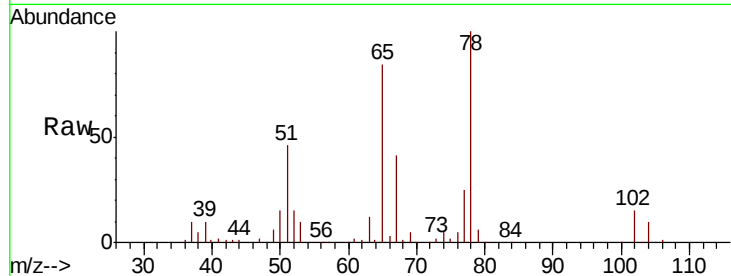
VN0830WBS01

Tgt Ion: 65 Resp: 206060

Ion Ratio Lower Upper

65 100

67 49.6 39.8 59.6



Abundance Ion 65.00 (64.70 to 65.70): VN0

Ion 67.00 (66.70 to 67.70): VN0

8.01

100000

80000

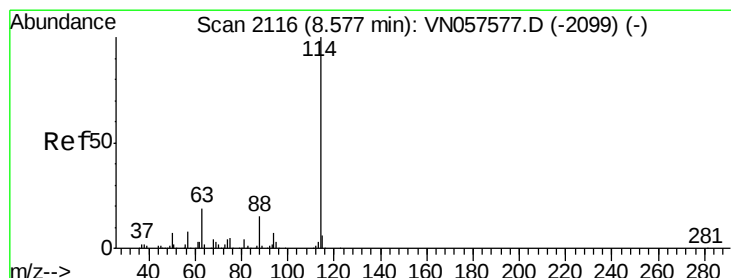
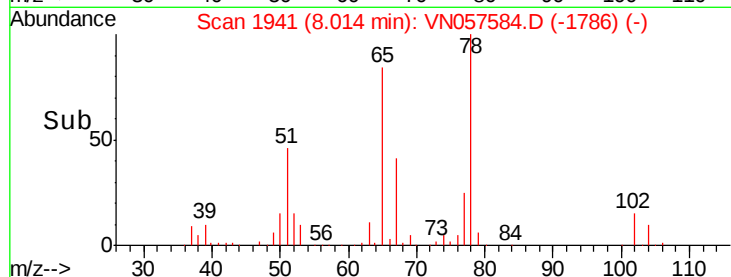
60000

40000

20000

0

Time-->



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.58 min Scan# 2116

Delta R.T. 0.00 min

Lab File: VN057584.D

Acq: 30 Aug 2019 13:02

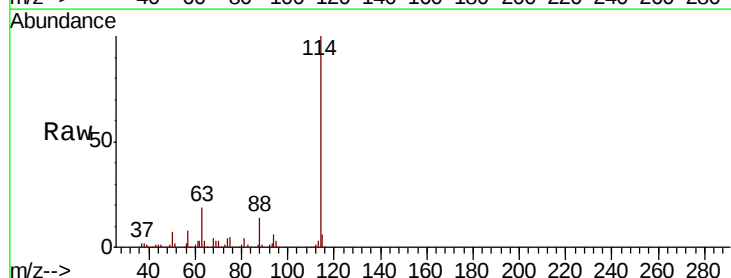
Tgt Ion: 114 Resp: 504053

Ion Ratio Lower Upper

114 100

63 19.0 15.4 23.0

88 15.3 11.8 17.8



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 88.00 (87.70 to 88.70): VN0

8.58

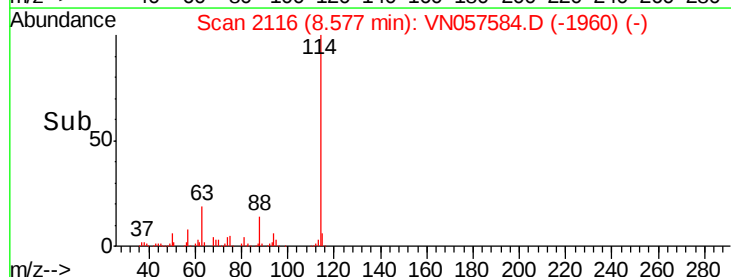
300000

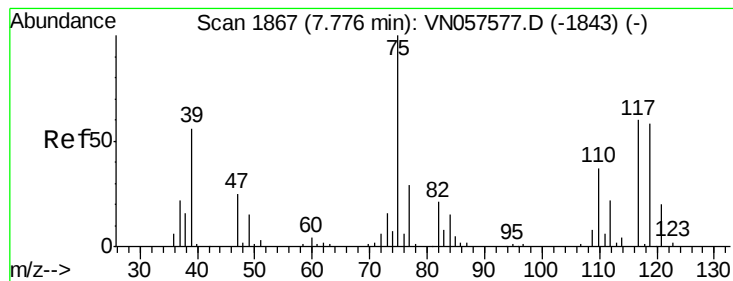
200000

100000

0

Time-->





#29

1,1-Dichloropropene

Concen: 19.652 ug/l

RT: 7.78 min Scan# 1868

Delta R.T. 0.00 min

Lab File: VN057584.D

Acq: 30 Aug 2019 13:02

Instrument :

MSVOA_N

ClientSampleId :

VN0830WBS01

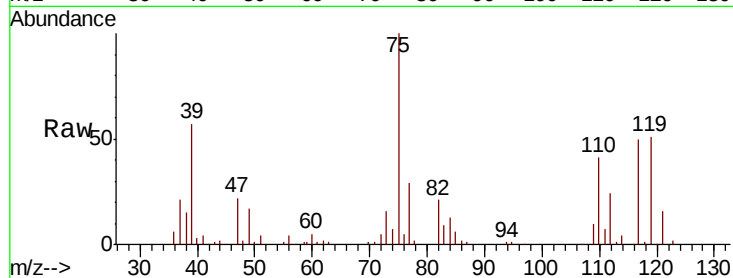
Tgt Ion: 75 Resp: 134062

Ion Ratio Lower Upper

75 100

110 38.3 0.0 75.4

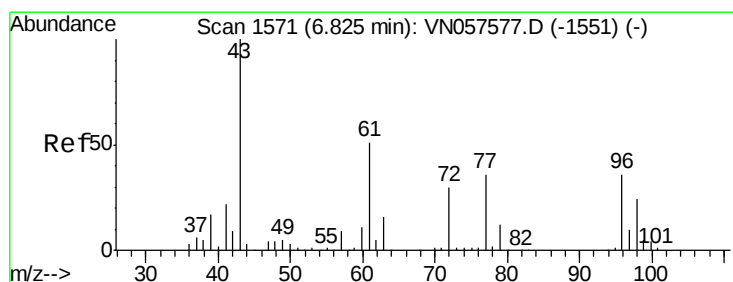
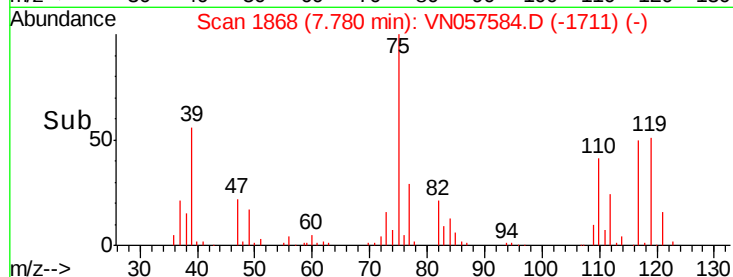
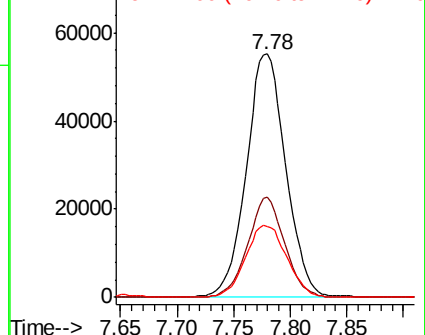
77 29.8 0.0 61.0



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 110.00 (109.70 to 110.70): VN0

Ion 77.00 (76.70 to 77.70): VN0



#30

2-Butanone

Concen: 102.183 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. 0.00 min

Lab File: VN057584.D

Acq: 30 Aug 2019 13:02

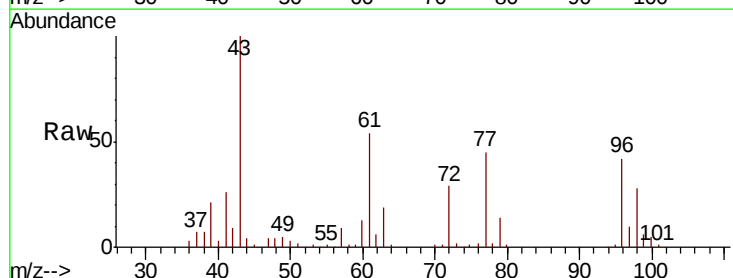
Tgt Ion: 43 Resp: 226076

Ion Ratio Lower Upper

43 100

57 9.2 3.5 5.3#

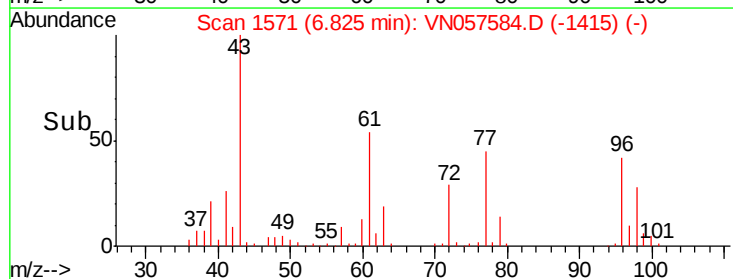
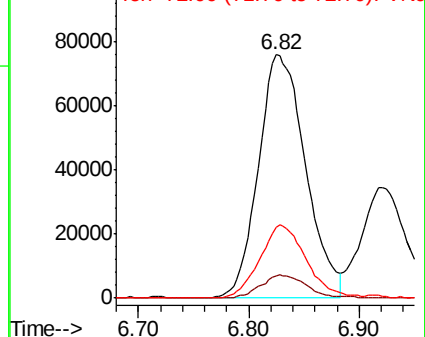
72 29.2 24.6 36.8

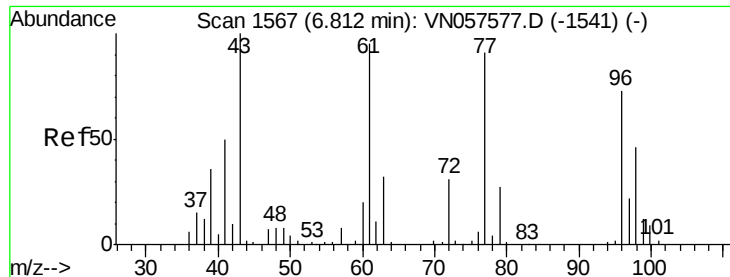


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 57.00 (56.70 to 57.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

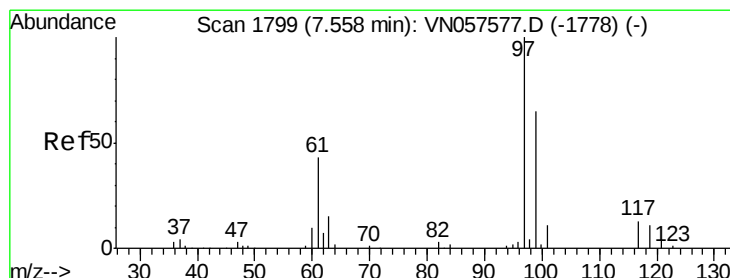
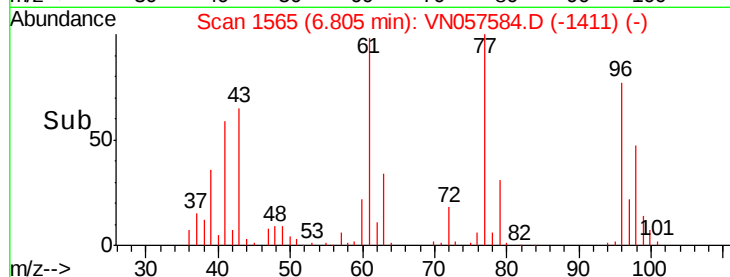
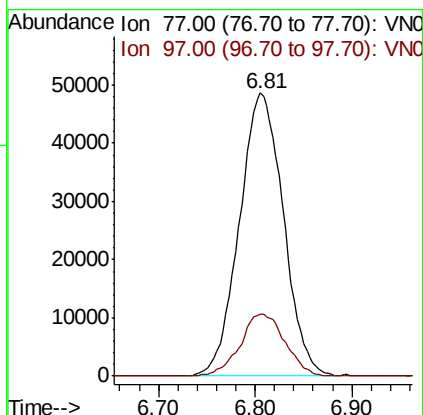
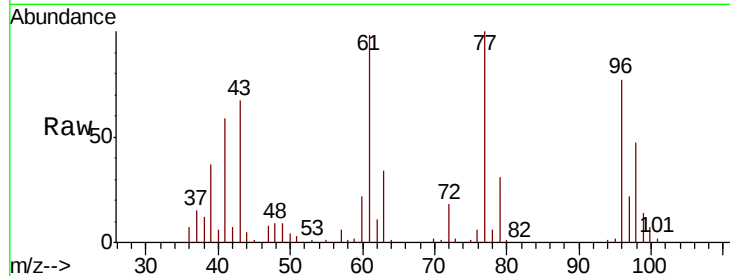




#31
 2,2-Dichloropropane
 Concen: 18.821 ug/l
 RT: 6.81 min Scan# 1565
 Delta R.T. -0.01 min
 Lab File: VN057584.D
 Acq: 30 Aug 2019 13:02

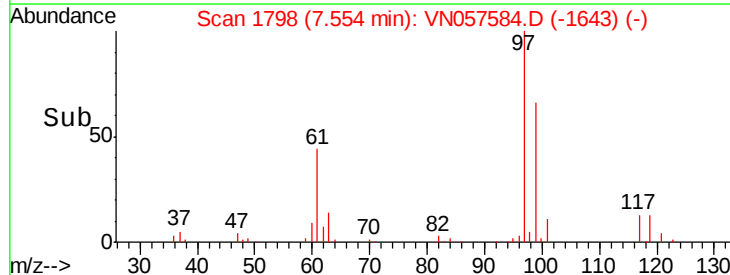
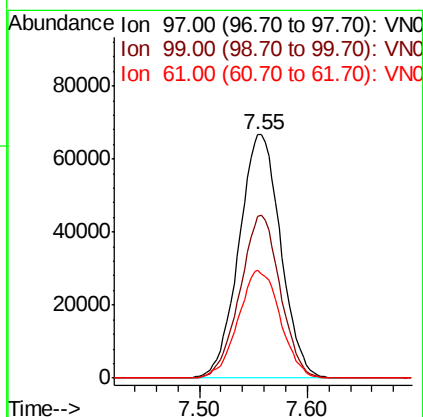
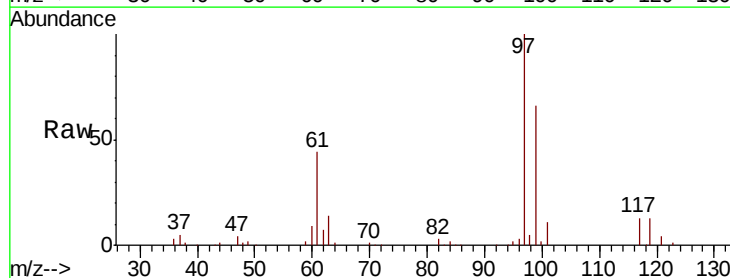
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0830WBS01

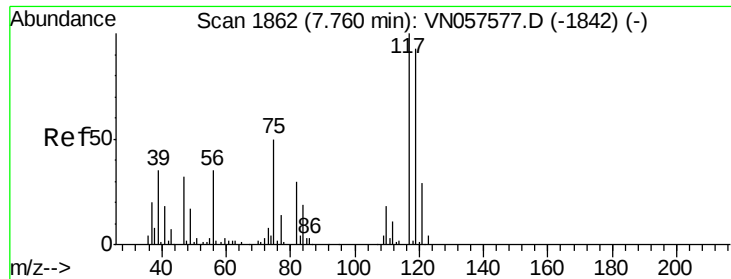
Tgt Ion: 77 Resp: 153591
 Ion Ratio Lower Upper
 77 100
 97 21.8 18.9 28.3



#32
 1,1,1-Trichloroethane
 Concen: 19.609 ug/l
 RT: 7.55 min Scan# 1798
 Delta R.T. -0.00 min
 Lab File: VN057584.D
 Acq: 30 Aug 2019 13:02

Tgt Ion: 97 Resp: 179337
 Ion Ratio Lower Upper
 97 100
 99 64.4 51.1 76.7
 61 44.7 34.4 51.6

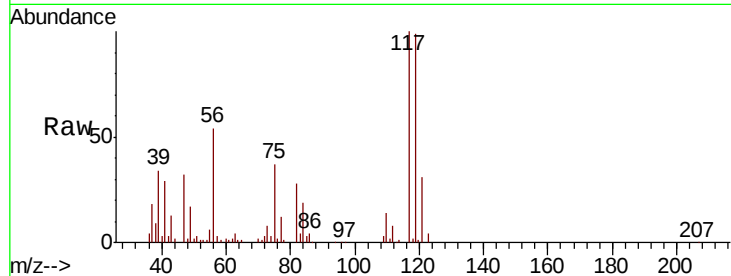




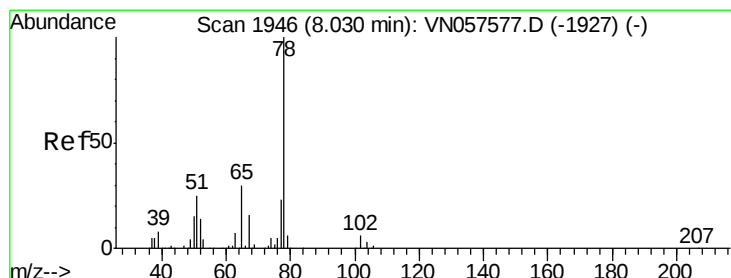
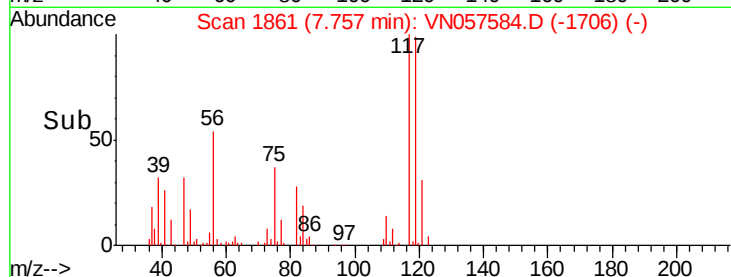
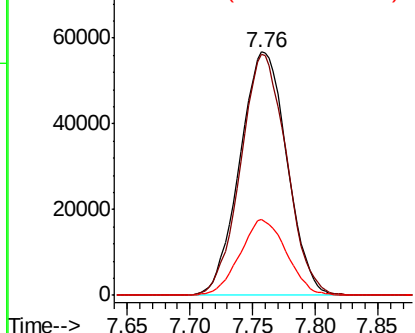
#33
Carbon Tetrachloride
Concen: 19.061 ug/l
RT: 7.76 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VN057584.D
Acq: 30 Aug 2019 13:02

Instrument :
MSVOA_N
ClientSampleId :
VN0830WBS01

Tgt Ion: 117 Resp: 147914
Ion Ratio Lower Upper
117 100
119 99.2 74.6 111.8
121 31.2 23.5 35.3

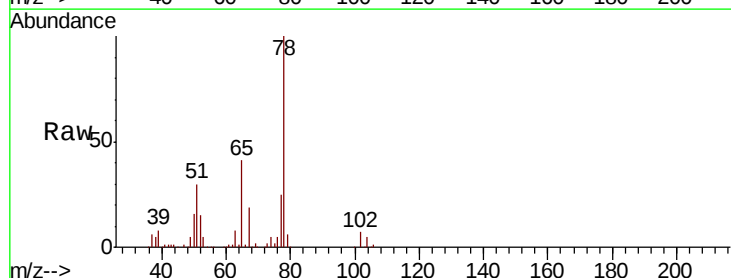


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V

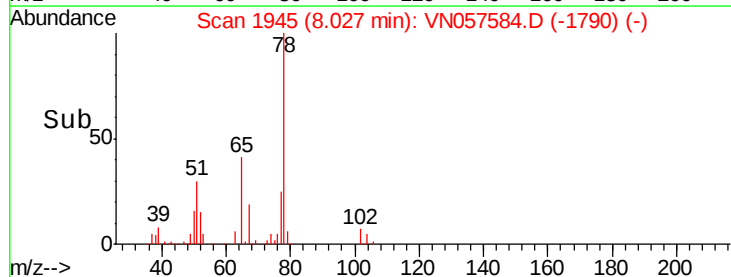
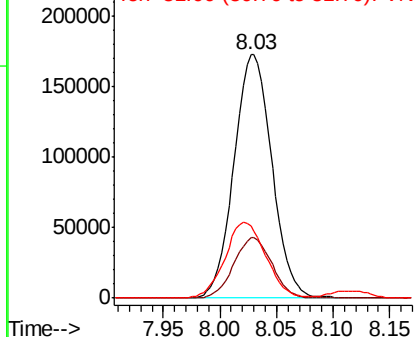


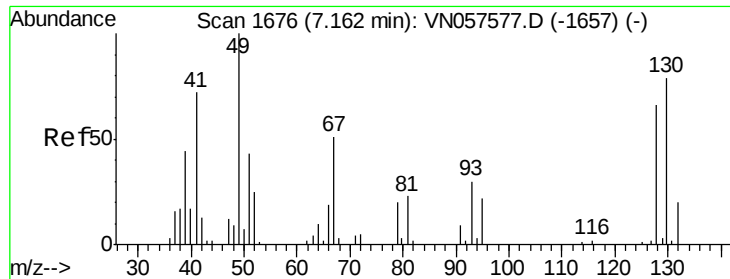
#34
Benzene
Concen: 19.683 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. -0.00 min
Lab File: VN057584.D
Acq: 30 Aug 2019 13:02

Tgt Ion: 78 Resp: 402549
Ion Ratio Lower Upper
78 100
77 24.9 18.2 27.4
51 29.3 20.2 30.4



Abundance Ion 78.10 (77.80 to 78.80): V
Ion 77.00 (76.70 to 77.70): V
Ion 51.00 (50.70 to 51.70): V

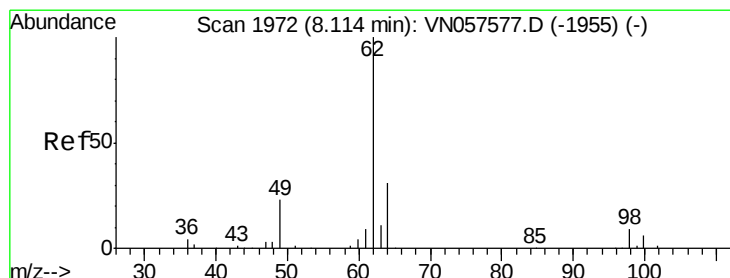
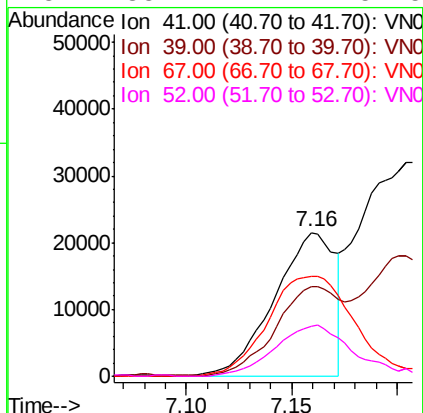
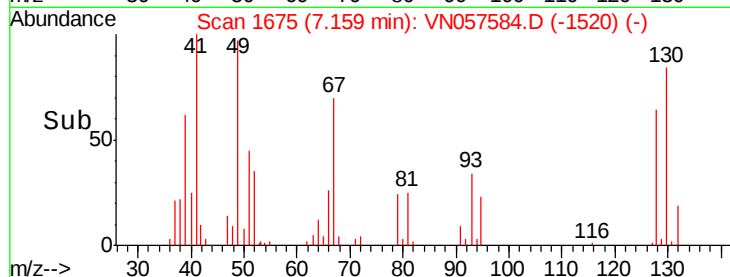
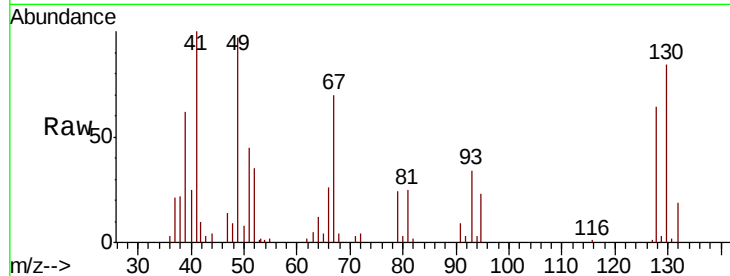




#35
Methacrylonitrile
Concen: 19.714 ug/l
RT: 7.16 min Scan# 1675
Delta R.T. -0.00 min
Lab File: VN057584.D
Acq: 30 Aug 2019 13:02

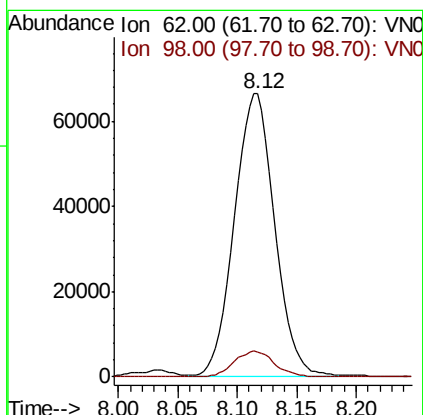
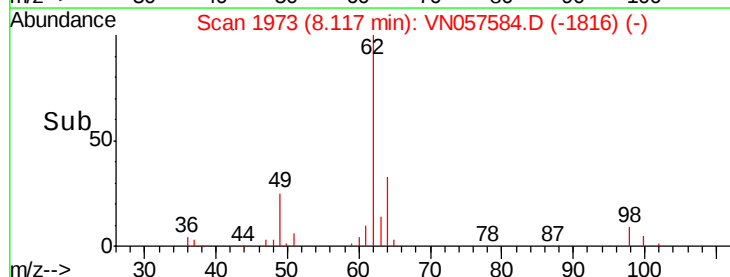
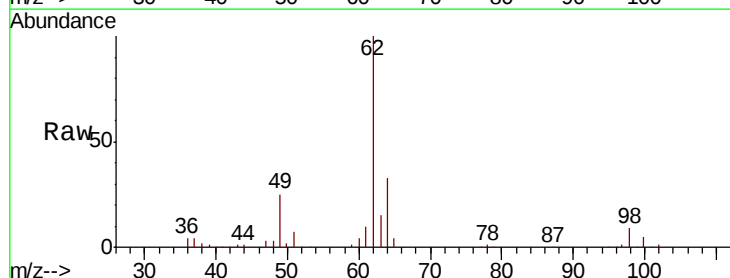
Instrument :
MSVOA_N
ClientSampled :
VN0830WBS01

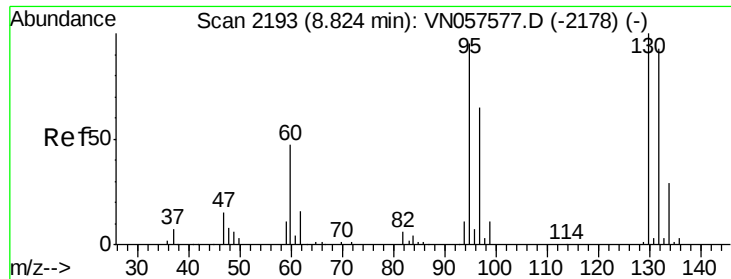
Tgt Ion: 41 Resp: 43169
Ion Ratio Lower Upper
41 100
39 60.9 30.4 91.2
67 69.5 35.6 106.8
52 35.1 17.2 51.5



#36
1,2-Dichloroethane
Concen: 20.749 ug/l
RT: 8.12 min Scan# 1973
Delta R.T. 0.00 min
Lab File: VN057584.D
Acq: 30 Aug 2019 13:02

Tgt Ion: 62 Resp: 156565
Ion Ratio Lower Upper
62 100
98 9.1 6.8 10.2

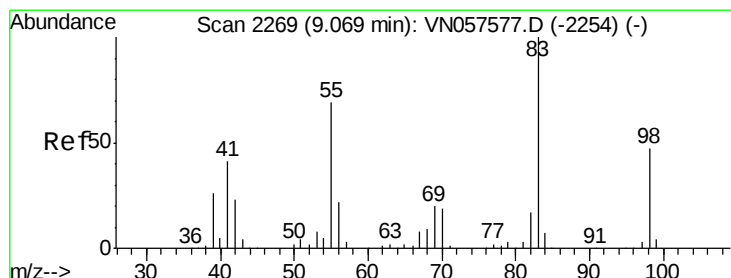
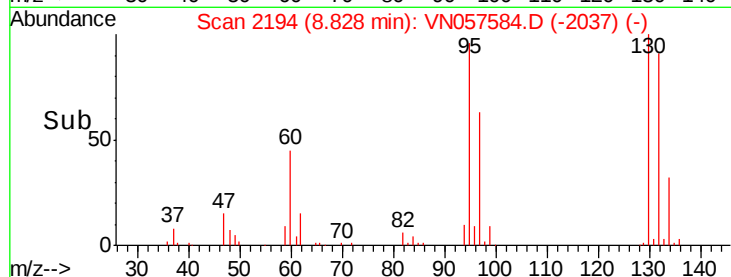
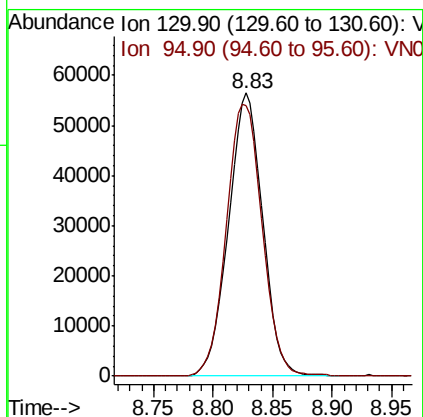
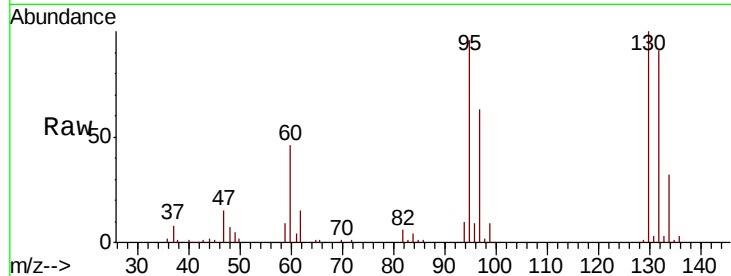




#37
 Trichloroethene
 Concen: 18.986 ug/l
 RT: 8.83 min Scan# 2194
 Delta R.T. 0.00 min
 Lab File: VN057584.D
 Acq: 30 Aug 2019 13:02

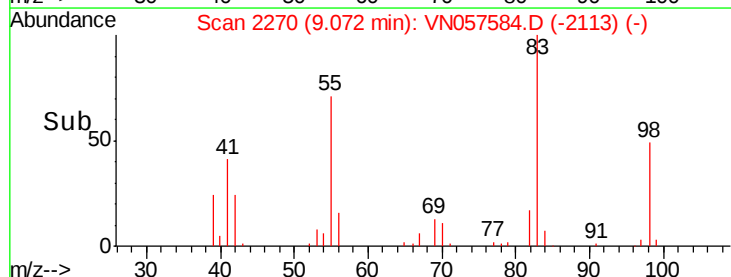
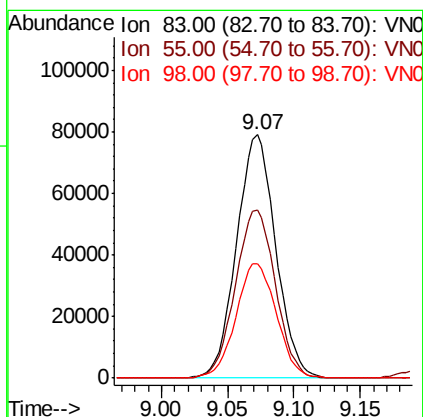
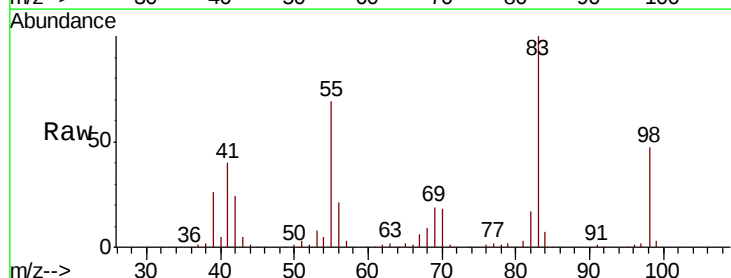
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0830WBS01

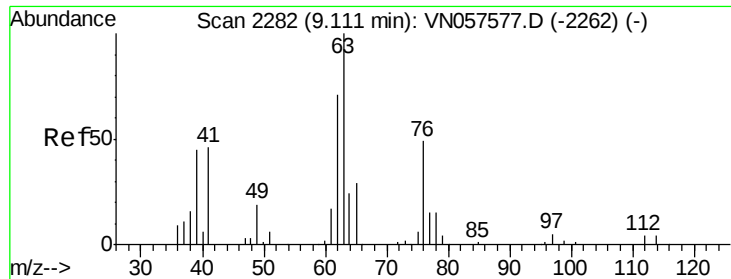
Tgt Ion: 130 Resp: 112461
 Ion Ratio Lower Upper
 130 100
 95 95.8 76.2 114.2



#38
 Methylcyclohexane
 Concen: 19.555 ug/l
 RT: 9.07 min Scan# 2270
 Delta R.T. 0.00 min
 Lab File: VN057584.D
 Acq: 30 Aug 2019 13:02

Tgt Ion: 83 Resp: 162478
 Ion Ratio Lower Upper
 83 100
 55 70.5 34.5 103.6
 98 48.6 23.4 70.3

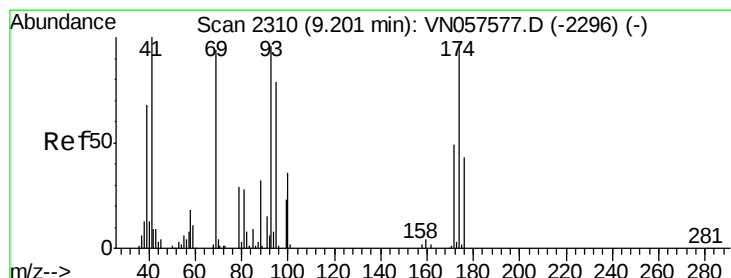
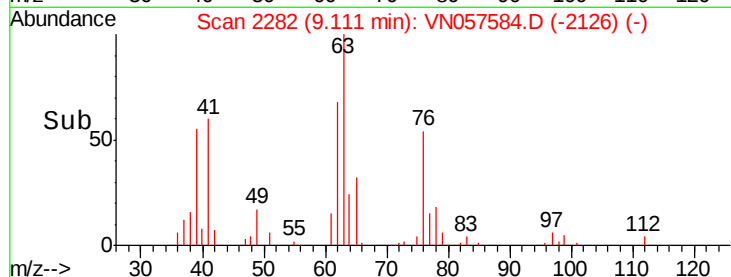
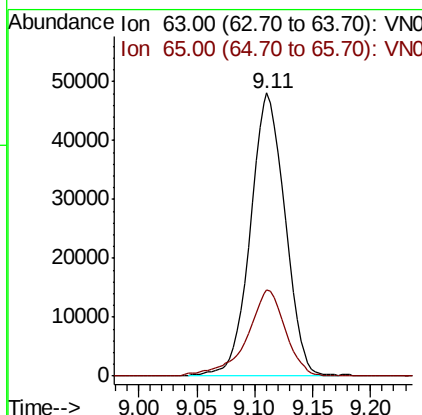
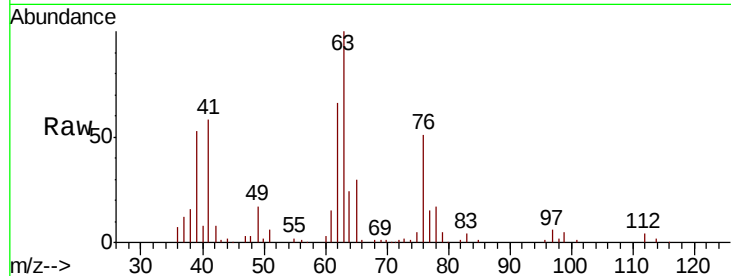




#39
 1,2-Dichloropropane
 Concen: 20.060 ug/l
 RT: 9.11 min Scan# 2282
 Delta R.T. 0.00 min
 Lab File: VN057584.D
 Acq: 30 Aug 2019 13:02

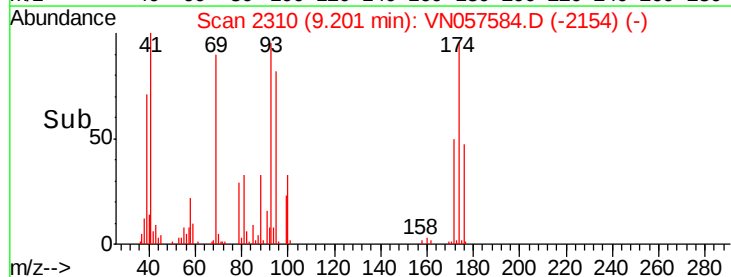
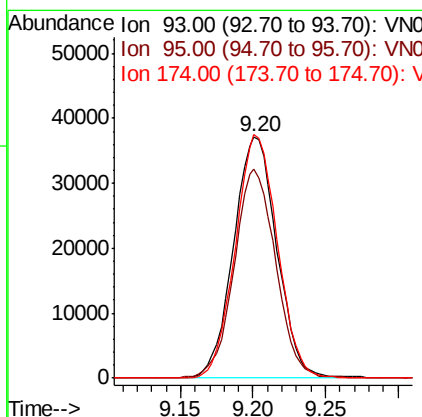
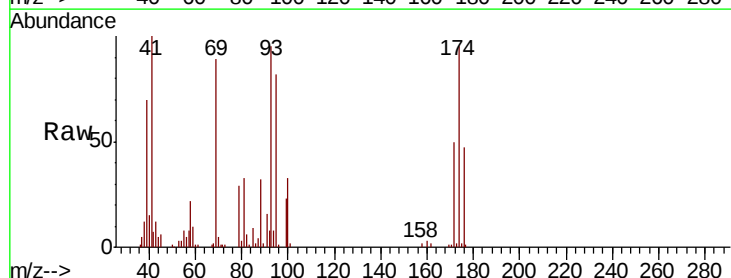
Instrument :
 MSVOA_N
 ClientSampled :
 VN0830WBS01

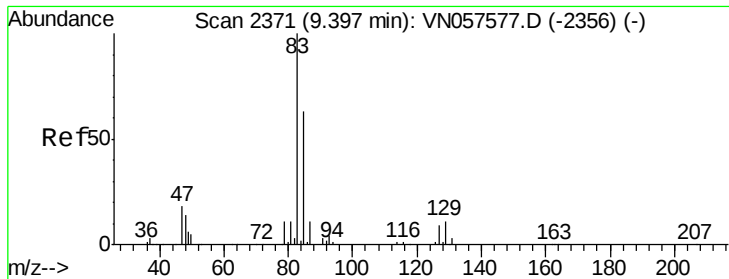
Tgt Ion: 63 Resp: 100387
 Ion Ratio Lower Upper
 63 100
 65 30.4 24.2 36.2



#40
 Dibromomethane
 Concen: 19.929 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN057584.D
 Acq: 30 Aug 2019 13:02

Tgt Ion: 93 Resp: 76782
 Ion Ratio Lower Upper
 93 100
 95 83.5 0.0 162.8
 174 98.2 0.0 199.2

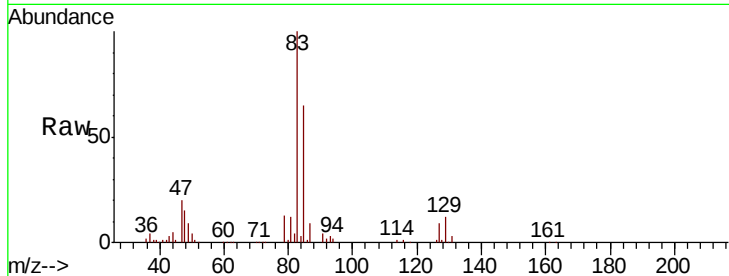




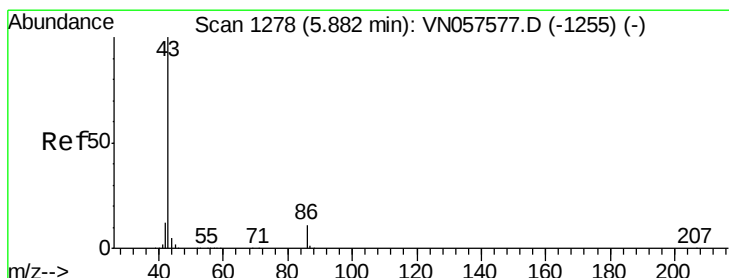
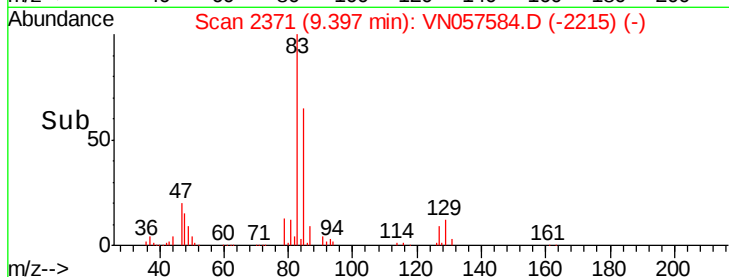
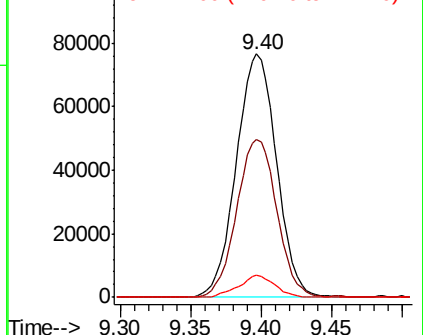
#41
Bromodichloromethane
Concen: 19.392 ug/l
RT: 9.40 min Scan# 2371
Delta R.T. 0.00 min
Lab File: VN057584.D
Acq: 30 Aug 2019 13:02

Instrument :
MSVOA_N
ClientSampleId :
VN0830WBS01

Tgt Ion: 83 Resp: 153072
Ion Ratio Lower Upper
83 100
85 64.6 50.3 75.5
127 10.2 7.4 11.2

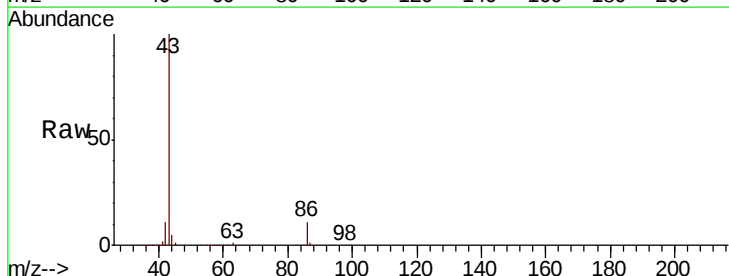


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 85.00 (84.70 to 85.70): VN0
Ion 127.00 (126.70 to 127.70): VN0

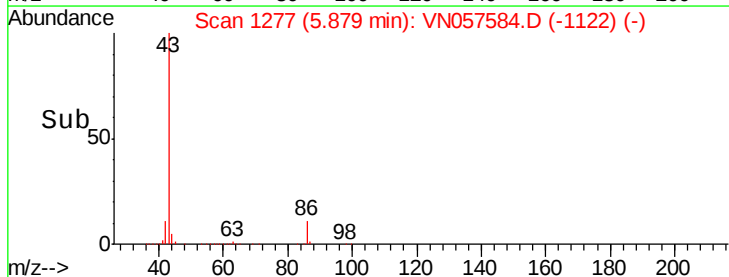
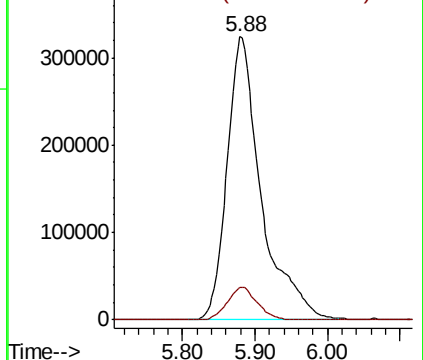


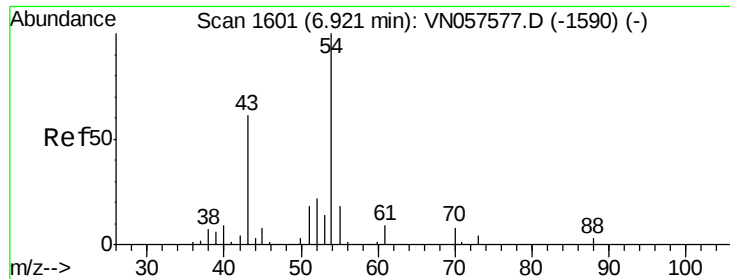
#42
Vinyl Acetate
Concen: 108.150 ug/l
RT: 5.88 min Scan# 1277
Delta R.T. -0.00 min
Lab File: VN057584.D
Acq: 30 Aug 2019 13:02

Tgt Ion: 43 Resp: 1063065
Ion Ratio Lower Upper
43 100
86 10.0 8.1 12.1



Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 86.00 (85.70 to 86.70): VN0

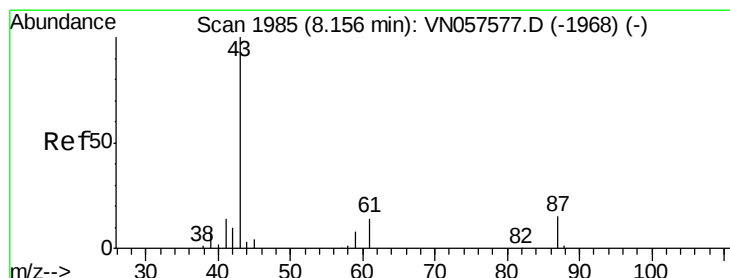
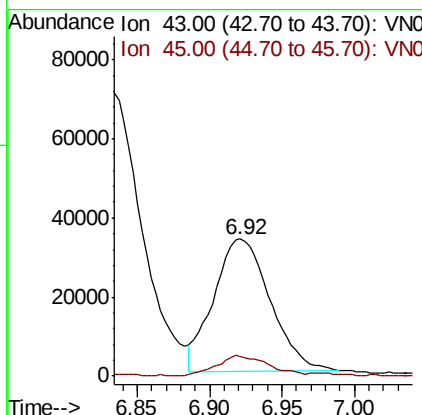
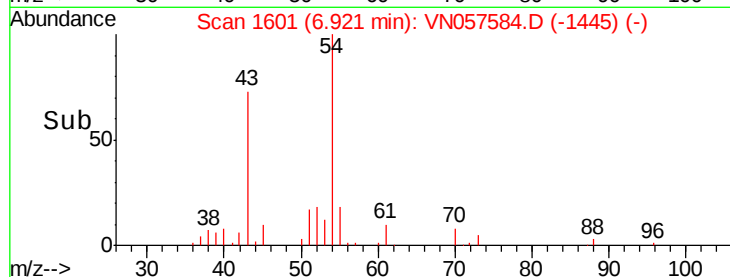
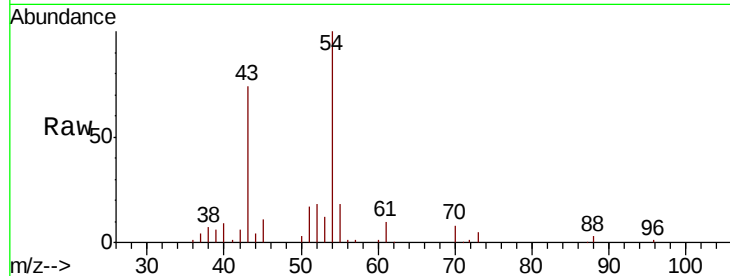




#43
 Ethyl Acetate
 Concen: 21.148 ug/l
 RT: 6.92 min Scan# 1601
 Delta R.T. 0.00 min
 Lab File: VN057584.D
 Acq: 30 Aug 2019 13:02

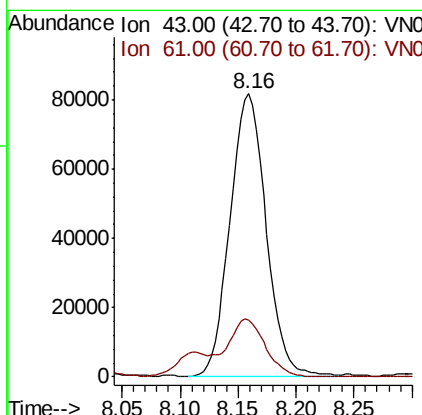
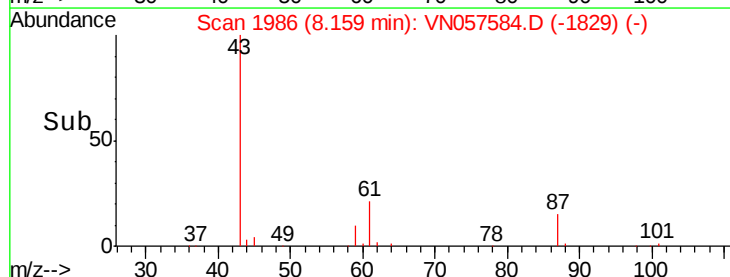
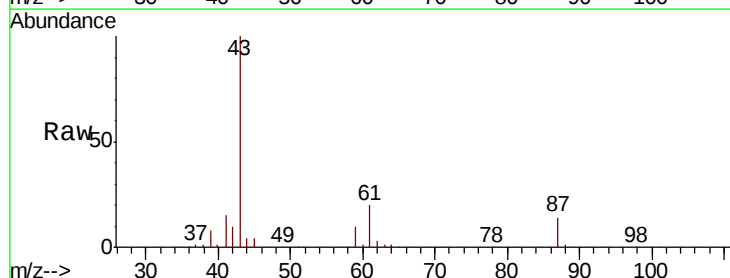
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0830WBS01

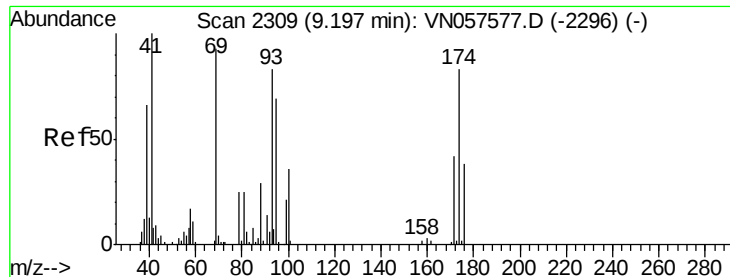
Tgt Ion: 43 Resp: 90239
 Ion Ratio Lower Upper
 43 100
 45 12.7 9.9 14.9



#44
 Isopropyl Acetate
 Concen: 20.520 ug/l
 RT: 8.16 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VN057584.D
 Acq: 30 Aug 2019 13:02

Tgt Ion: 43 Resp: 175152
 Ion Ratio Lower Upper
 43 100
 61 20.0 16.0 24.0

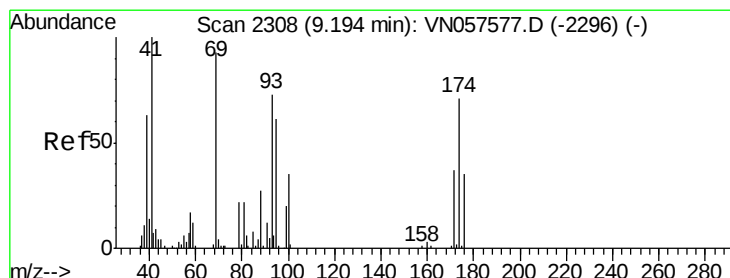
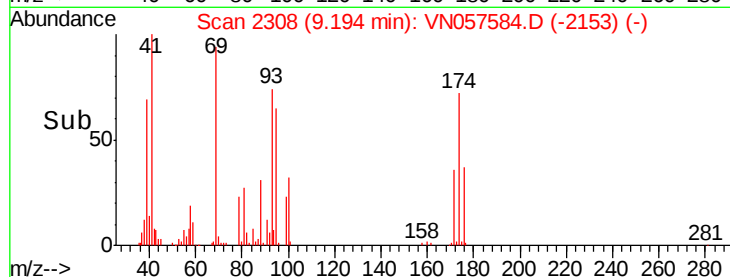
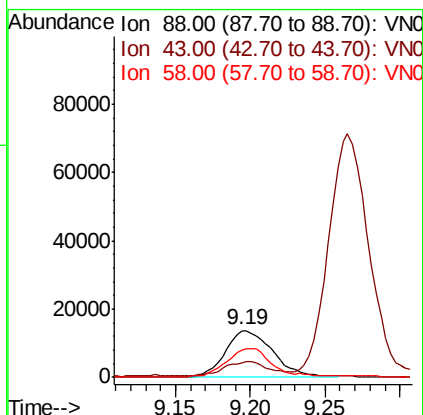
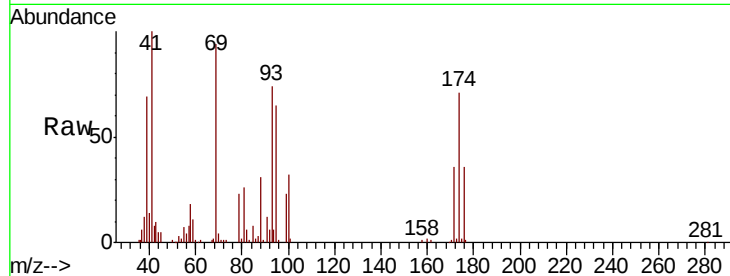




#45
1,4-Dioxane
Concen: 414.190 ug/l
RT: 9.19 min Scan# 2308
Delta R.T. -0.00 min
Lab File: VN057584.D
Acq: 30 Aug 2019 13:02

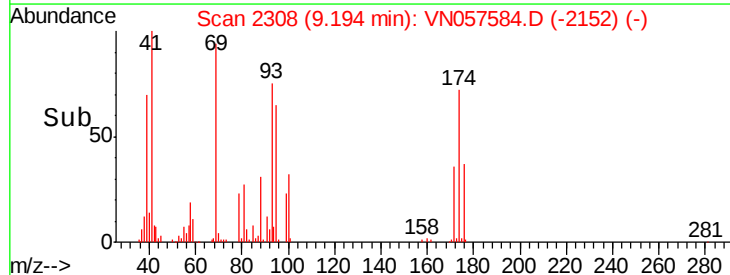
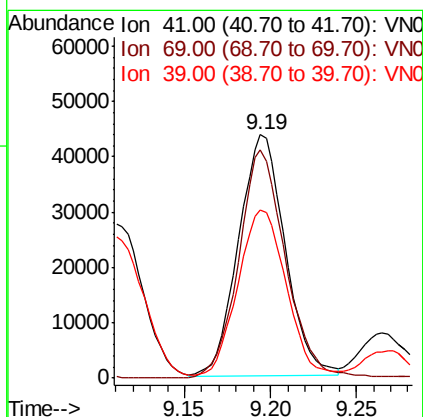
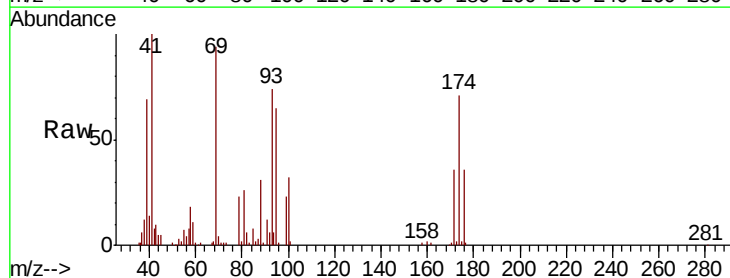
Instrument :
MSVOA_N
ClientSampleId :
VN0830WBS01

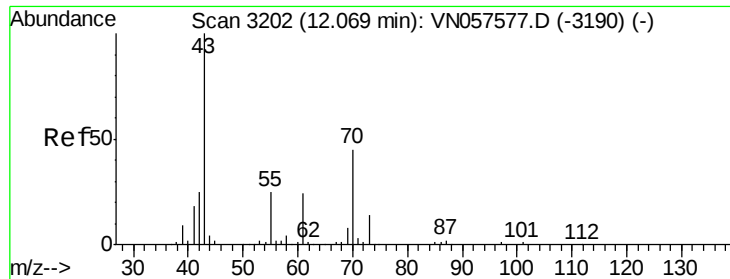
Tgt Ion: 88 Resp: 30441
Ion Ratio Lower Upper
88 100
43 30.1 18.2 27.4#
58 56.6 45.0 67.6



#46
Methyl methacrylate
Concen: 20.794 ug/l
RT: 9.19 min Scan# 2308
Delta R.T. 0.00 min
Lab File: VN057584.D
Acq: 30 Aug 2019 13:02

Tgt Ion: 41 Resp: 82323
Ion Ratio Lower Upper
41 100
69 95.1 46.4 139.1
39 68.7 31.6 94.8

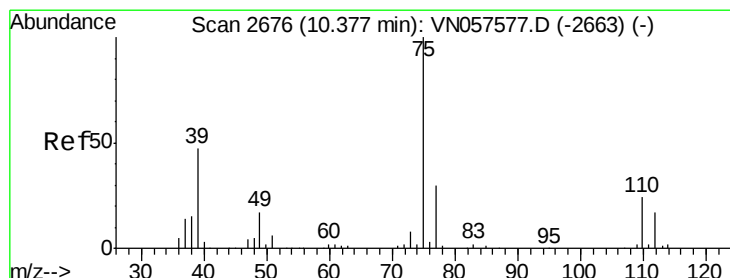
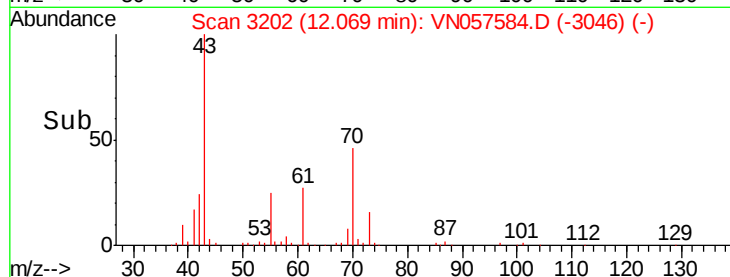
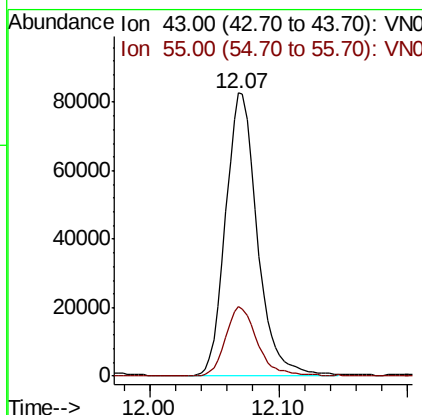
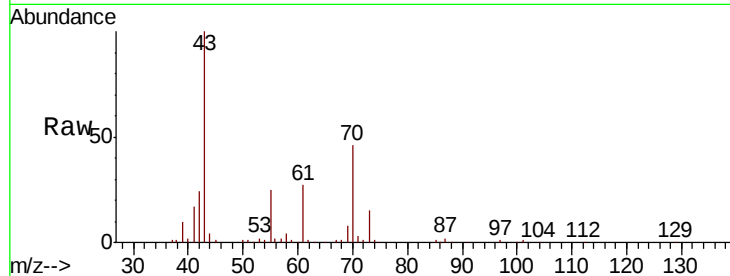




#47
n-amyl Acetate
Concen: 19.819 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. 0.00 min
Lab File: VN057584.D
Acq: 30 Aug 2019 13:02

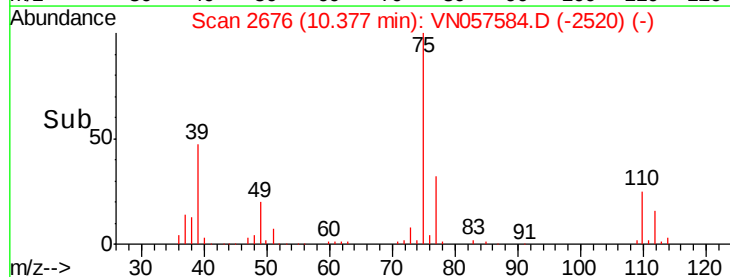
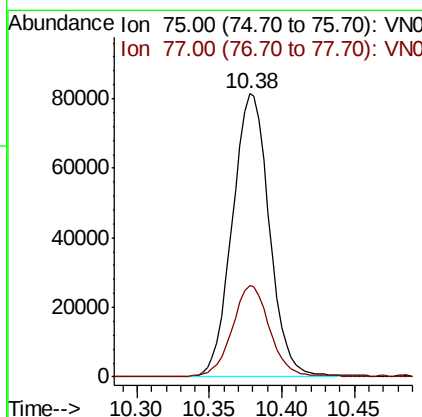
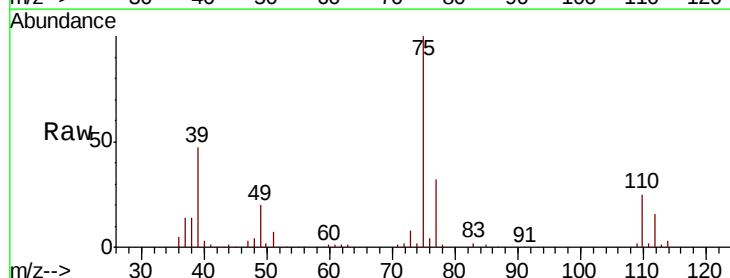
Instrument :
MSVOA_N
ClientSampleId :
VN0830WBS01

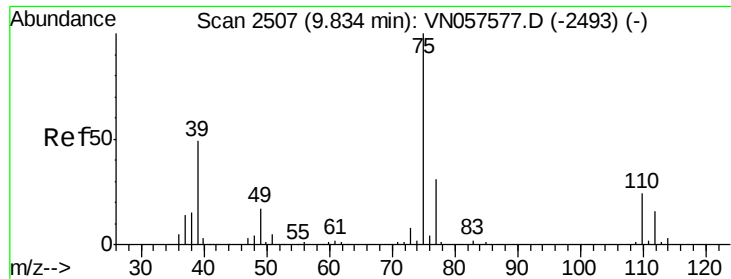
Tgt Ion: 43 Resp: 140049
Ion Ratio Lower Upper
43 100
55 24.9 20.2 30.2



#48
t-1,3-Dichloropropene
Concen: 18.401 ug/l
RT: 10.38 min Scan# 2676
Delta R.T. 0.00 min
Lab File: VN057584.D
Acq: 30 Aug 2019 13:02

Tgt Ion: 75 Resp: 144175
Ion Ratio Lower Upper
75 100
77 32.1 23.8 35.6

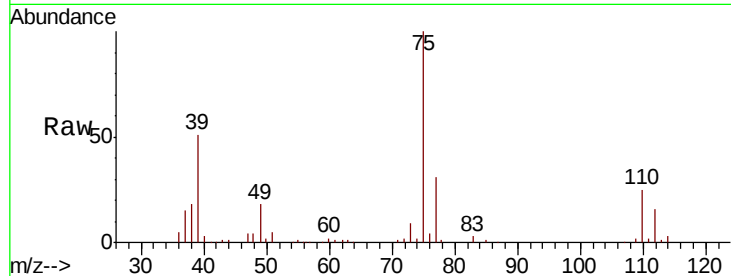




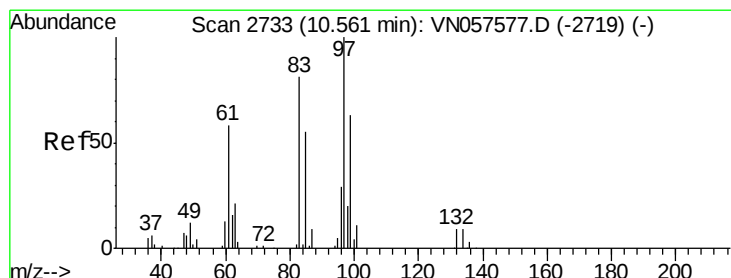
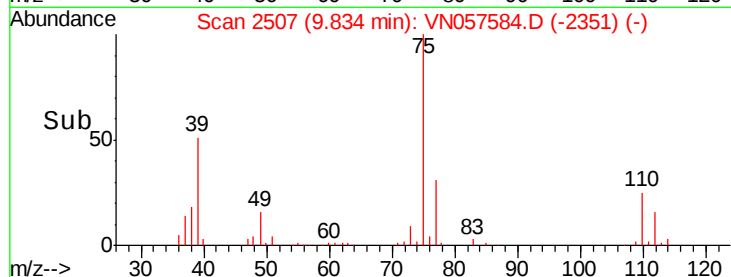
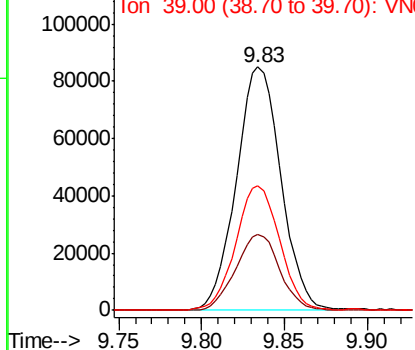
#49
 cis-1,3-Dichloropropene
 Concen: 18.736 ug/l
 RT: 9.83 min Scan# 2507
 Delta R.T. 0.00 min
 Lab File: VN057584.D
 Acq: 30 Aug 2019 13:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0830WBS01

Tgt Ion: 75 Resp: 158990
 Ion Ratio Lower Upper
 75 100
 77 31.1 25.0 37.4
 39 51.0 39.0 58.4

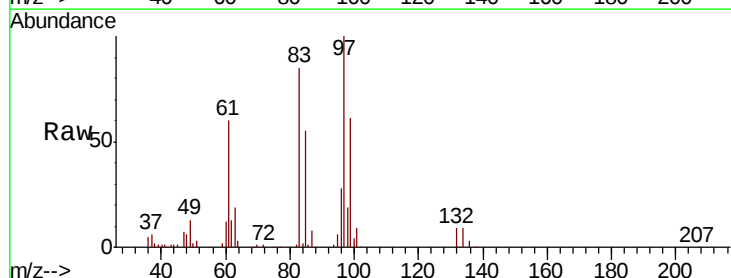


Abundance Ion 75.00 (74.70 to 75.70): VNO
 Ion 77.00 (76.70 to 77.70): VNO
 Ion 39.00 (38.70 to 39.70): VNO

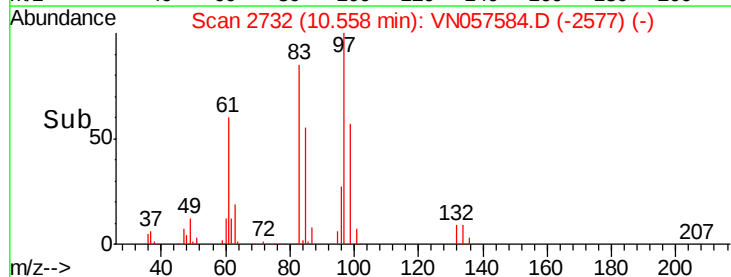
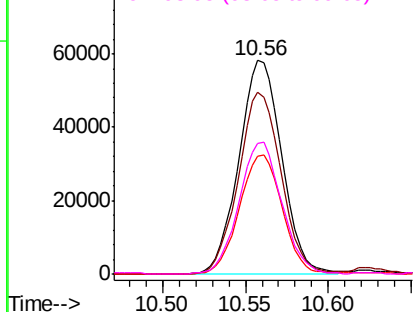


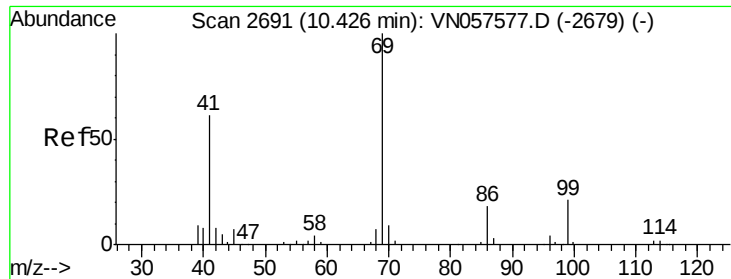
#50
 1,1,2-Trichloroethane
 Concen: 19.094 ug/l
 RT: 10.56 min Scan# 2732
 Delta R.T. -0.00 min
 Lab File: VN057584.D
 Acq: 30 Aug 2019 13:02

Tgt Ion: 97 Resp: 104995
 Ion Ratio Lower Upper
 97 100
 83 84.8 65.1 97.7
 85 55.4 43.7 65.5
 99 61.4 50.7 76.1



Abundance Ion 97.00 (96.70 to 97.70): VNO
 Ion 82.95 (82.65 to 83.65): VNO
 Ion 84.95 (84.65 to 85.65): VNO
 Ion 98.95 (98.65 to 99.65): VNO





#51

Ethyl methacrylate

Concen: 19.831 ug/l

RT: 10.43 min Scan# 2691

Delta R.T. 0.00 min

Lab File: VN057584.D

Acq: 30 Aug 2019 13:02

Instrument :

MSVOA_N

ClientSampled :

VN0830WBS01

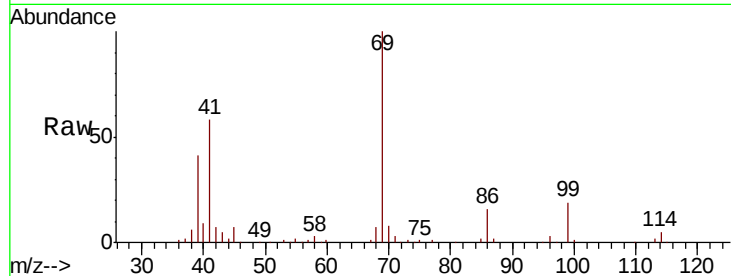
Tgt Ion: 69 Resp: 141933

Ion Ratio Lower Upper

69 100

41 57.4 30.6 92.0

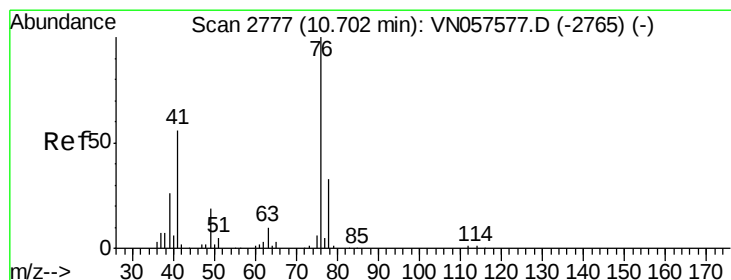
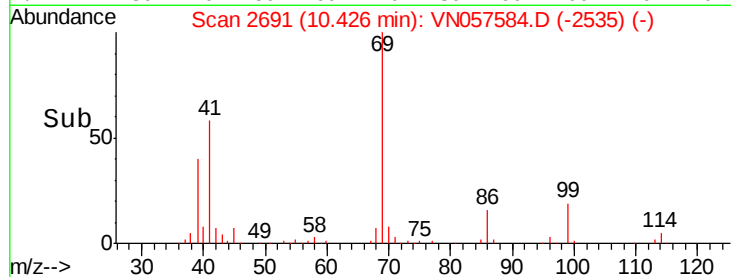
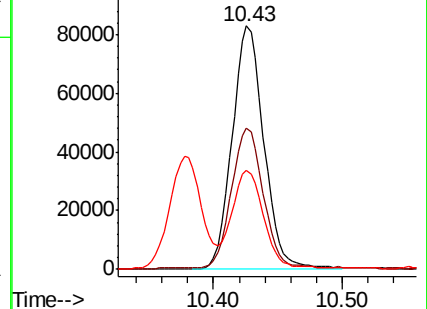
39 39.9 22.3 66.9



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



#52

1,3-Dichloropropane

Concen: 19.669 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN057584.D

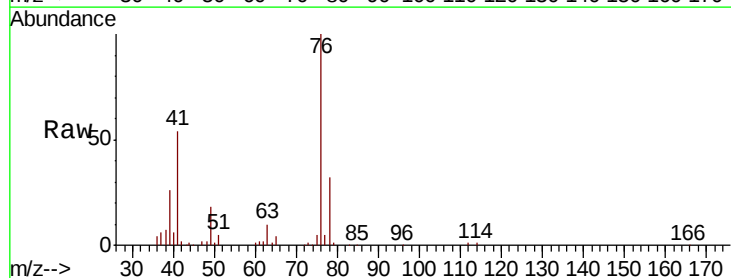
Acq: 30 Aug 2019 13:02

Tgt Ion: 76 Resp: 168526

Ion Ratio Lower Upper

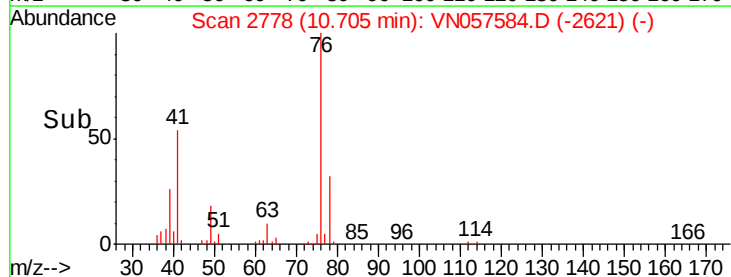
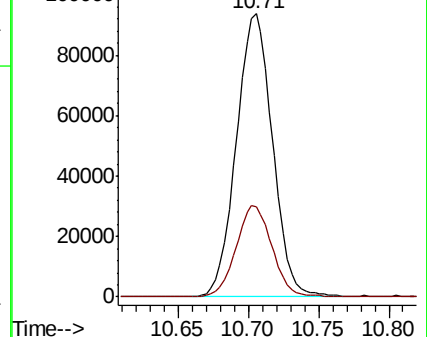
76 100

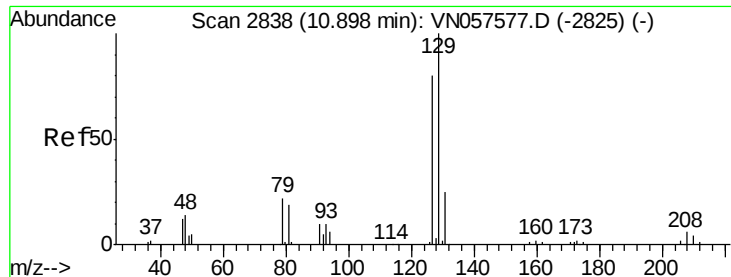
78 31.8 0.0 67.0



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0





#53

Dibromochloromethane

Concen: 18.064 ug/l

RT: 10.90 min Scan# 2838

Delta R.T. 0.00 min

Lab File: VN057584.D

Acq: 30 Aug 2019 13:02

Instrument :

MSVOA_N

ClientSampleId :

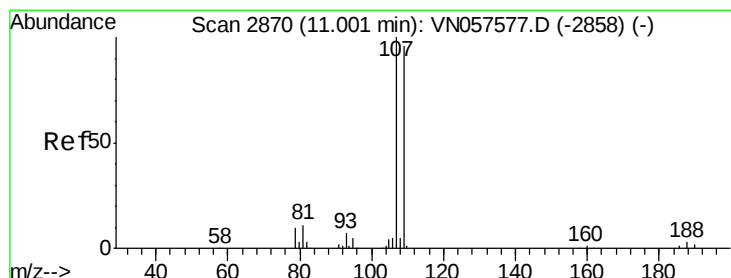
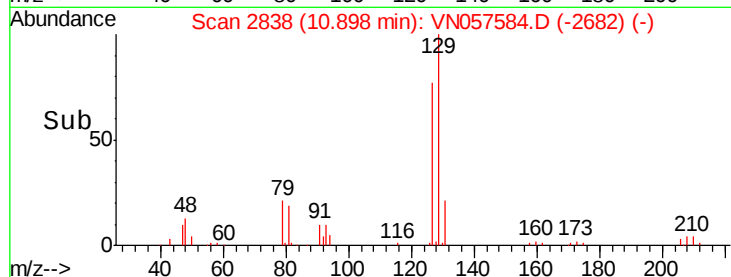
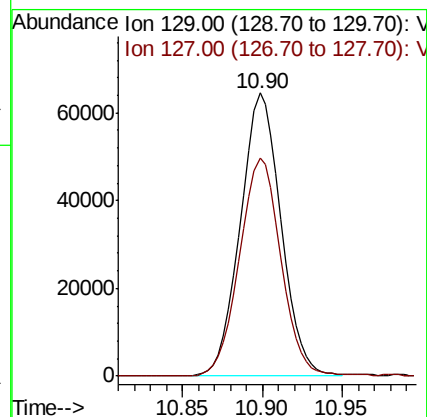
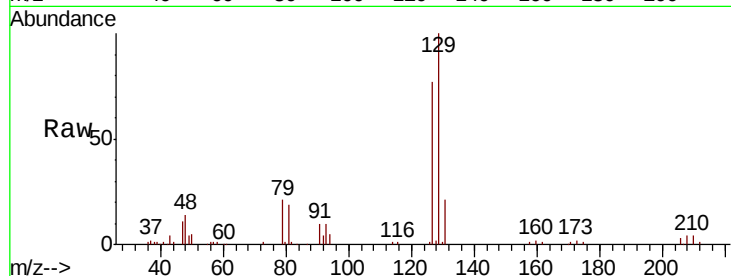
VN0830WBS01

Tgt Ion:129 Resp: 111837

Ion Ratio Lower Upper

129 100

127 78.5 38.9 116.7



#54

1,2-Dibromoethane

Concen: 18.589 ug/l

RT: 11.00 min Scan# 2870

Delta R.T. 0.00 min

Lab File: VN057584.D

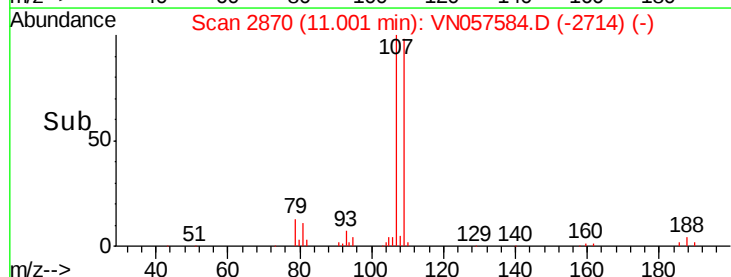
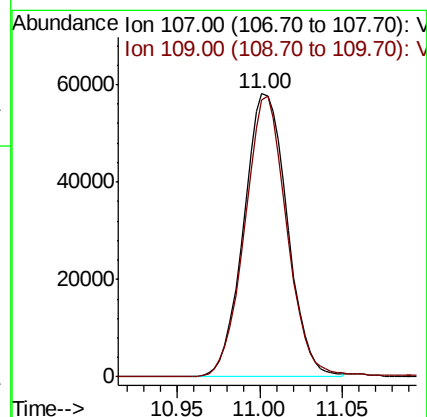
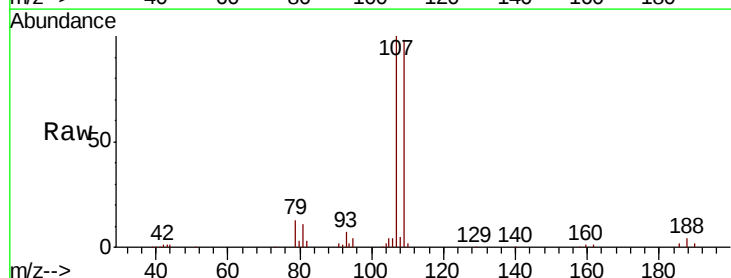
Acq: 30 Aug 2019 13:02

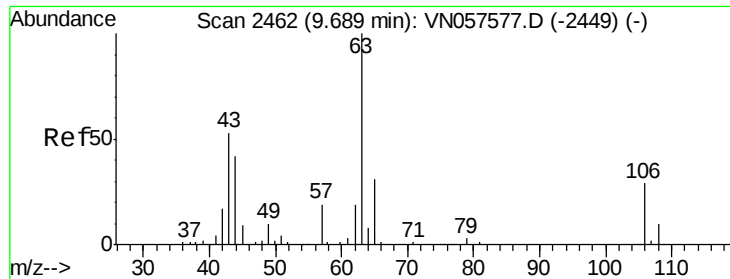
Tgt Ion:107 Resp: 105948

Ion Ratio Lower Upper

107 100

109 95.8 75.2 112.8

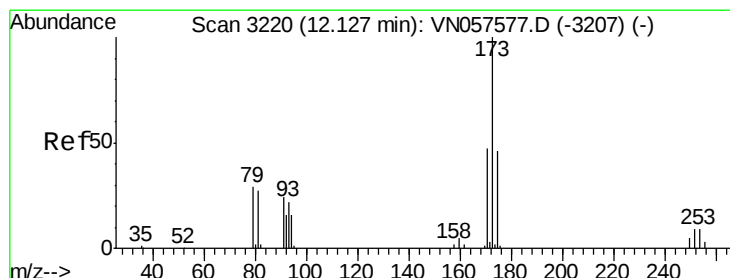
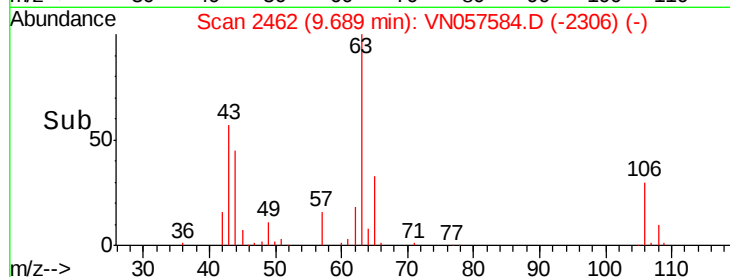
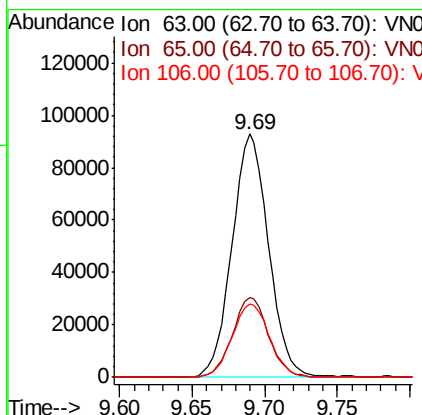
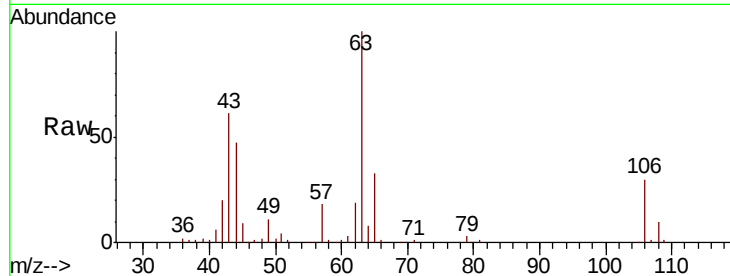




#55
 2-Chloroethyl vinyl ether
 Concen: 92.627 ug/l
 RT: 9.69 min Scan# 2462
 Delta R.T. 0.00 min
 Lab File: VN057584.D
 Acq: 30 Aug 2019 13:02

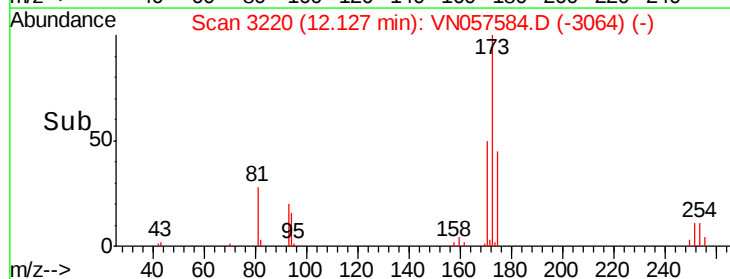
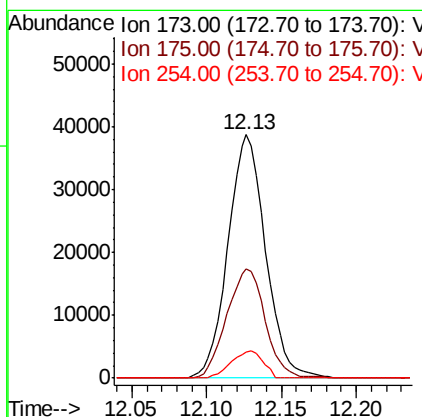
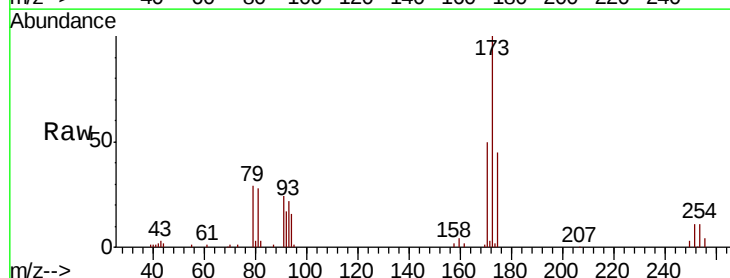
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0830WBS01

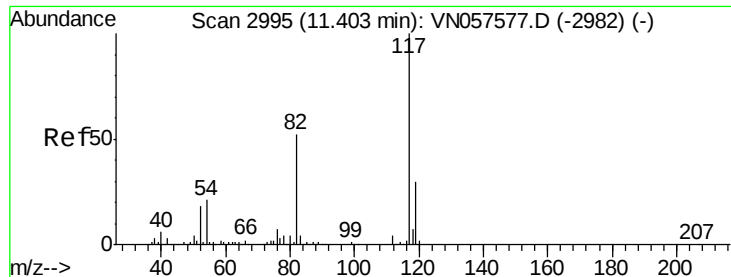
Tgt Ion: 63 Resp: 162718
 Ion Ratio Lower Upper
 63 100
 65 32.2 25.0 37.4
 106 30.8 23.7 35.5



#56
 Bromoform
 Concen: 16.725 ug/l
 RT: 12.13 min Scan# 3220
 Delta R.T. 0.00 min
 Lab File: VN057584.D
 Acq: 30 Aug 2019 13:02

Tgt Ion: 173 Resp: 67715
 Ion Ratio Lower Upper
 173 100
 175 45.4 37.3 55.9
 254 9.5 2.2 3.2#





#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN057584.D

Acq: 30 Aug 2019 13:02

Instrument :

MSVOA_N

ClientSampleId :

VN0830WBS01

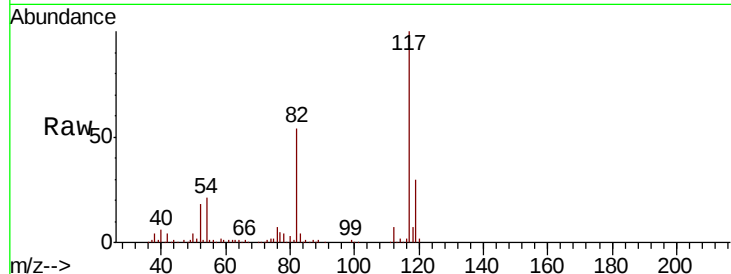
Tgt Ion:117 Resp: 438387

Ion Ratio Lower Upper

117 100

82 54.3 42.6 63.8

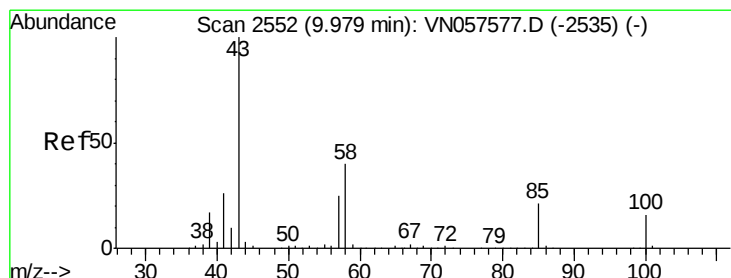
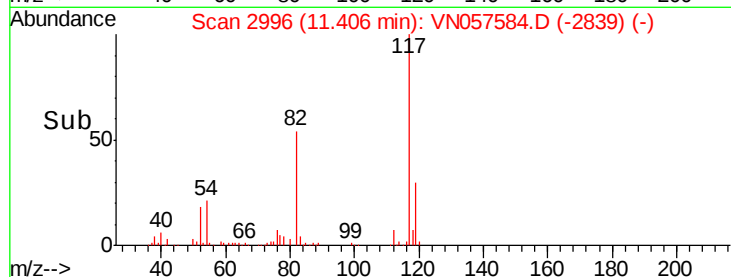
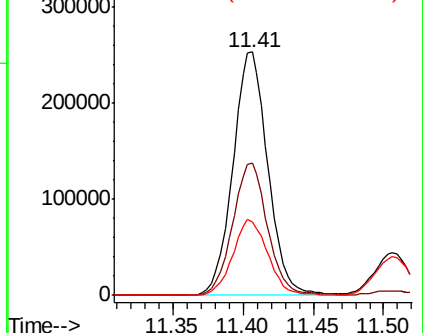
119 31.3 25.0 37.6



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): VN

Ion 119.00 (118.70 to 119.70): V



#58

4-Methyl-2-Pentanone

Concen: 112.786 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. 0.00 min

Lab File: VN057584.D

Acq: 30 Aug 2019 13:02

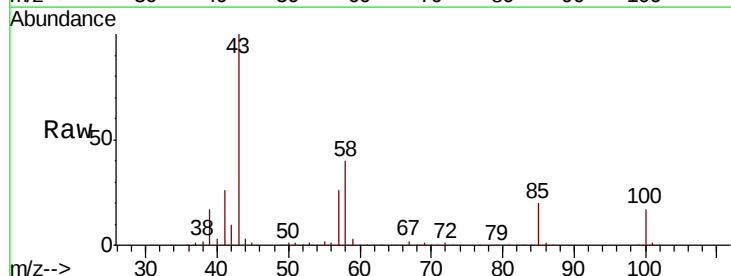
Tgt Ion: 43 Resp: 499631

Ion Ratio Lower Upper

43 100

58 39.7 32.1 48.1

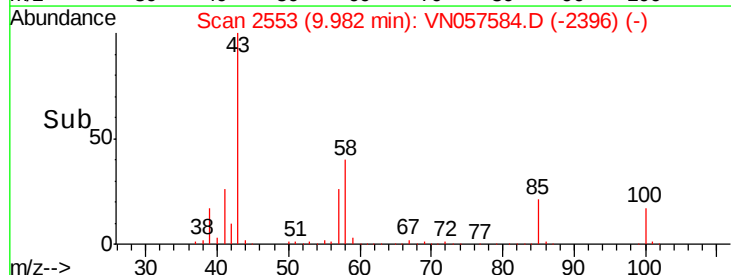
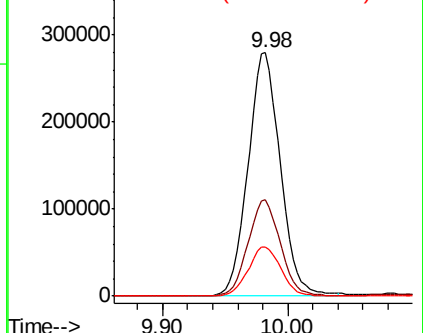
85 20.6 16.6 24.8

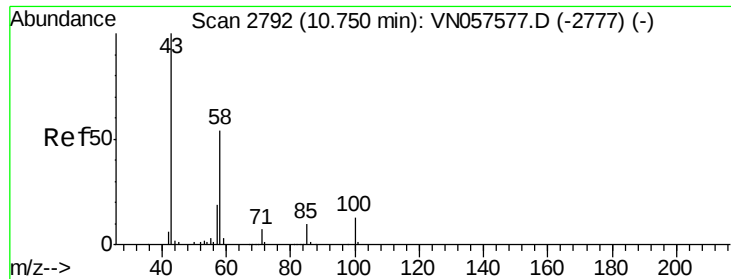


Abundance Ion 43.00 (42.70 to 43.70): VN

Ion 58.00 (57.70 to 58.70): VN

Ion 85.00 (84.70 to 85.70): VN

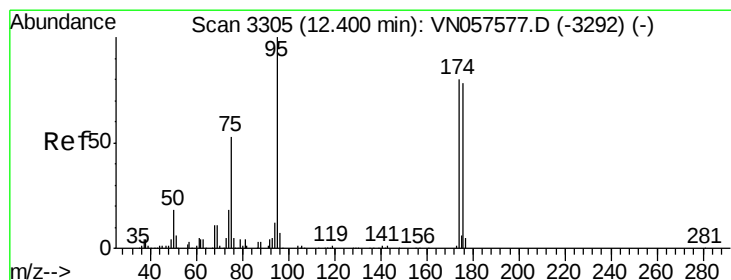
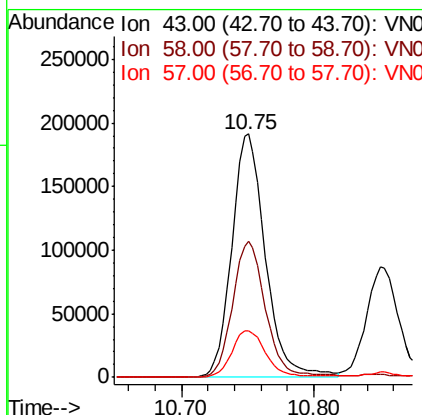
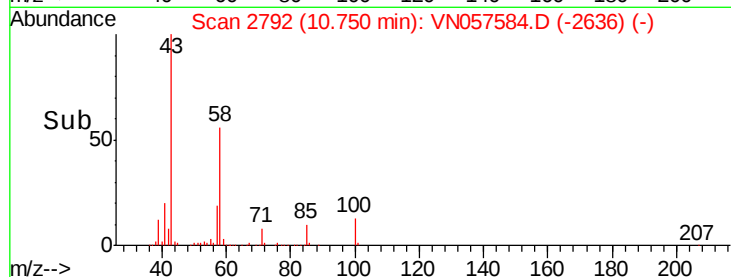
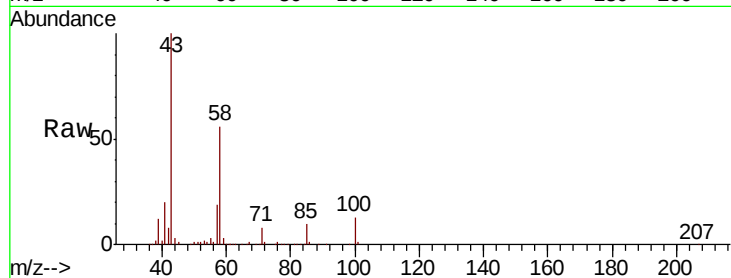




#59
2-Hexanone
Concen: 107.006 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN057584.D
Acq: 30 Aug 2019 13:02

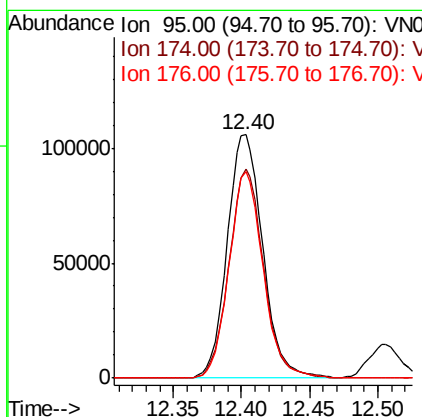
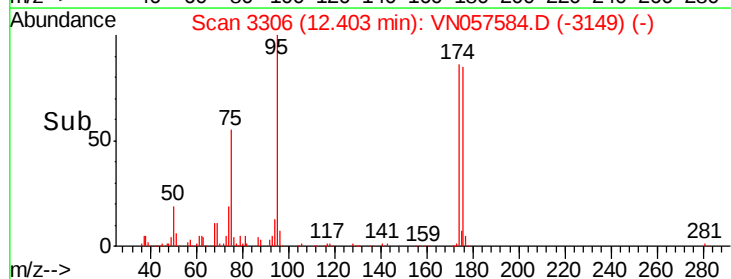
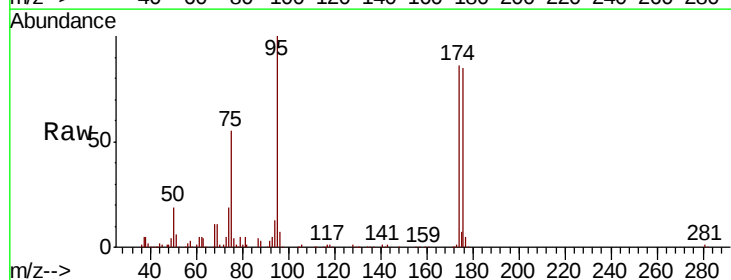
Instrument :
MSVOA_N
ClientSampleId :
VN0830WBS01

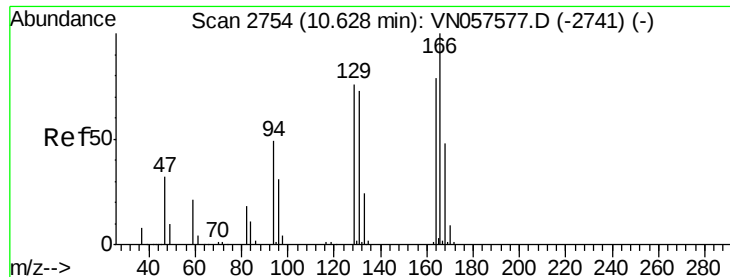
Tgt Ion: 43 Resp: 335162
Ion Ratio Lower Upper
43 100
58 55.4 42.9 64.3
57 19.5 15.4 23.2



#60
4-Bromofluorobenzene
Concen: 28.790 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN057584.D
Acq: 30 Aug 2019 13:02

Tgt Ion: 95 Resp: 191874
Ion Ratio Lower Upper
95 100
174 83.2 66.2 99.2
176 81.3 65.0 97.6

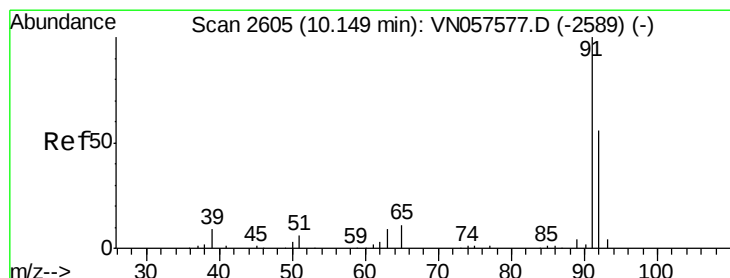
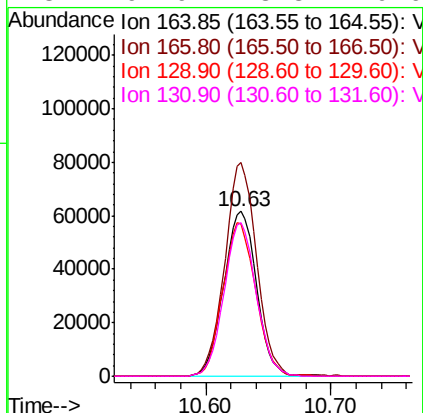
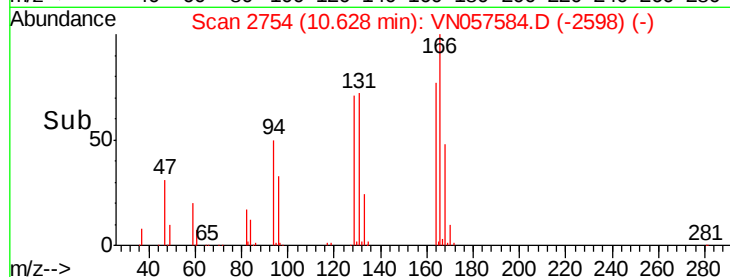
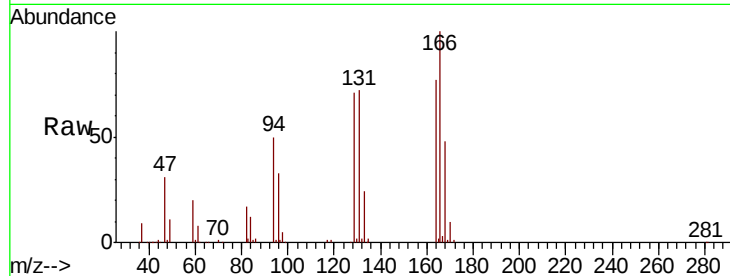




#61
Tetrachloroethene
Concen: 19.965 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN057584.D
Acq: 30 Aug 2019 13:02

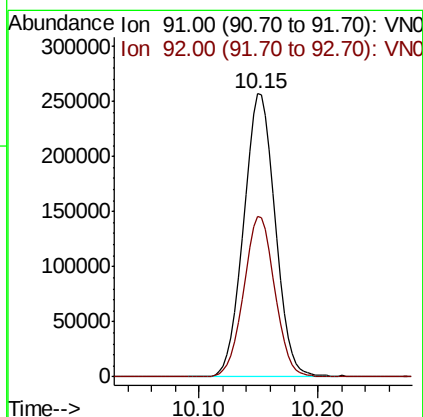
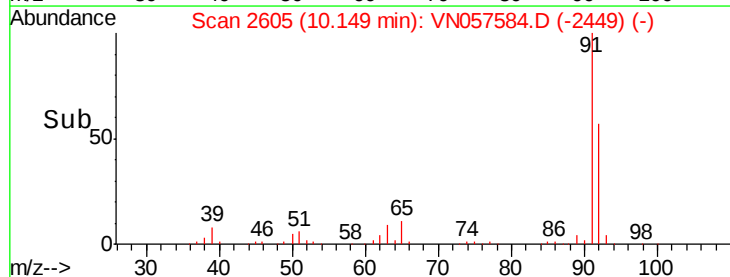
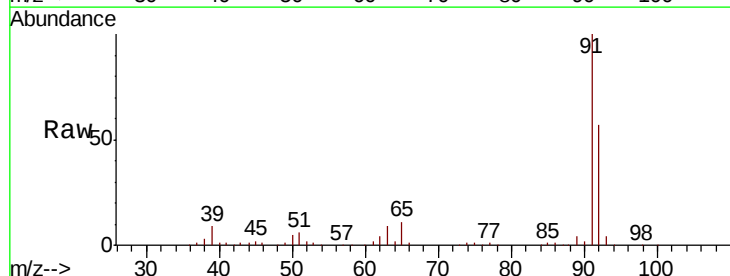
Instrument :
MSVOA_N
ClientSampleId :
VN0830WBS01

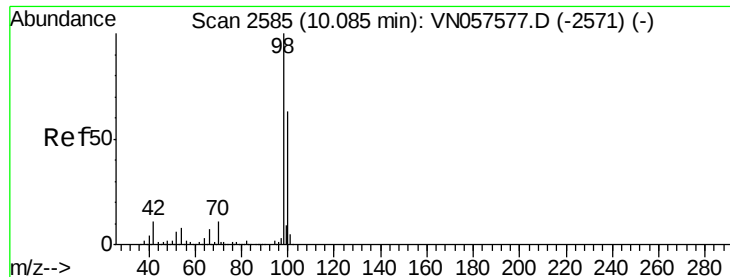
Tgt Ion:164 Resp: 111894
Ion Ratio Lower Upper
164 100
166 129.1 100.7 151.1
129 92.1 76.3 114.5
131 92.9 73.8 110.6



#62
Toluene
Concen: 21.244 ug/l
RT: 10.15 min Scan# 2605
Delta R.T. 0.00 min
Lab File: VN057584.D
Acq: 30 Aug 2019 13:02

Tgt Ion: 91 Resp: 472243
Ion Ratio Lower Upper
91 100
92 55.7 45.4 68.2





#63

Toluene-d8

Concen: 30.377 ug/l

RT: 10.08 min Scan# 2585

Delta R.T. 0.00 min

Lab File: VN057584.D

Acq: 30 Aug 2019 13:02

Instrument :

MSVOA_N

ClientSampleId :

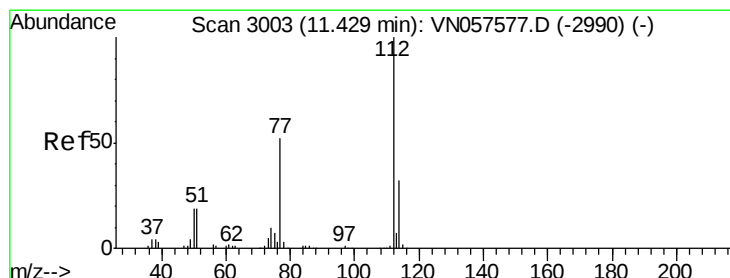
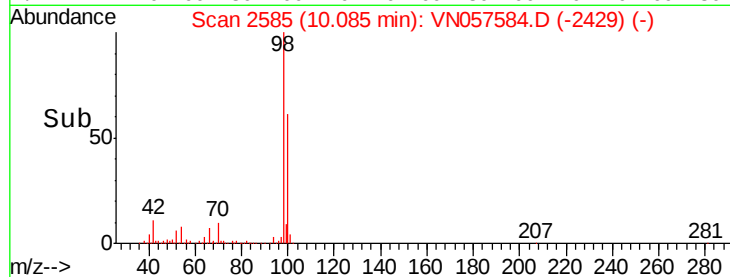
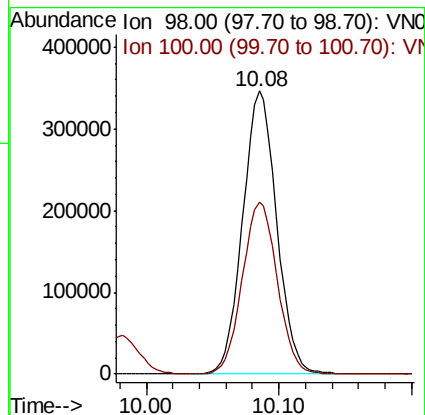
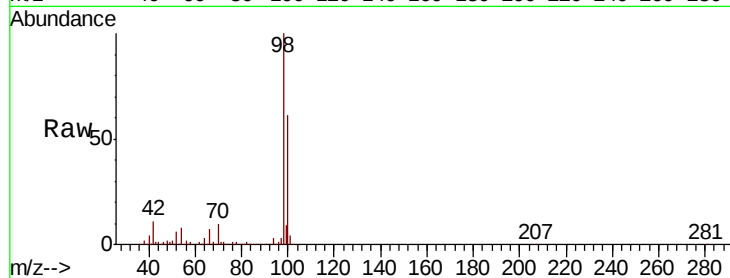
VN0830WBS01

Tgt Ion: 98 Resp: 616713

Ion Ratio Lower Upper

98 100

100 62.5 50.2 75.2



#64

Chlorobenzene

Concen: 19.675 ug/l

RT: 11.43 min Scan# 3003

Delta R.T. 0.00 min

Lab File: VN057584.D

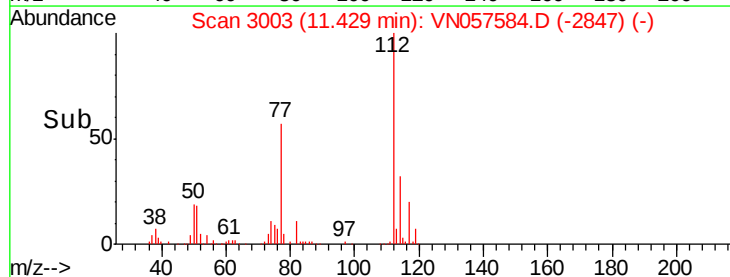
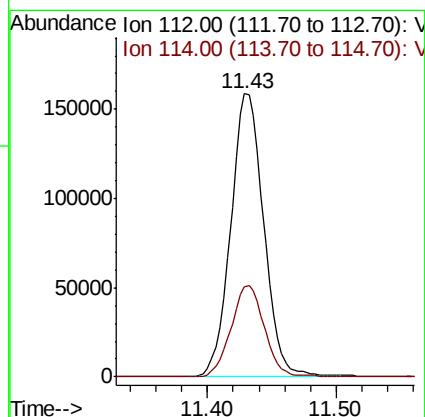
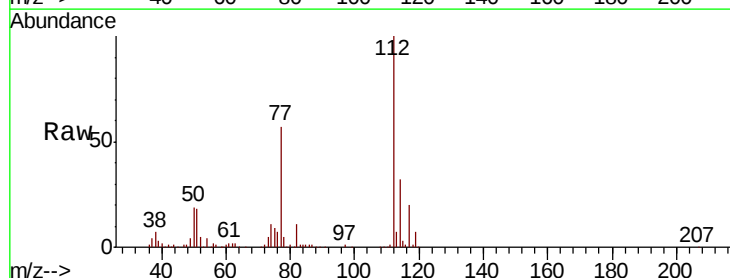
Acq: 30 Aug 2019 13:02

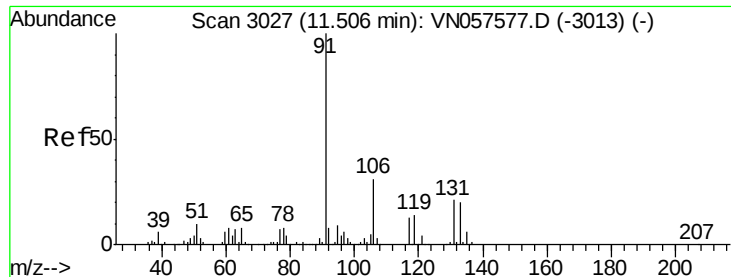
Tgt Ion: 112 Resp: 281649

Ion Ratio Lower Upper

112 100

114 31.8 25.4 38.2





#65

1,1,1,2-Tetrachloroethane

Concen: 19.661 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. 0.00 min

Lab File: VN057584.D

Acq: 30 Aug 2019 13:02

Instrument :

MSVOA_N

ClientSampleId :

VN0830WBS01

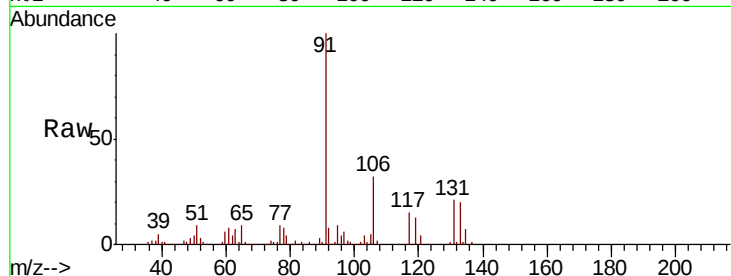
Tgt Ion:131 Resp: 111687

Ion Ratio Lower Upper

131 100

133 92.5 0.0 186.0

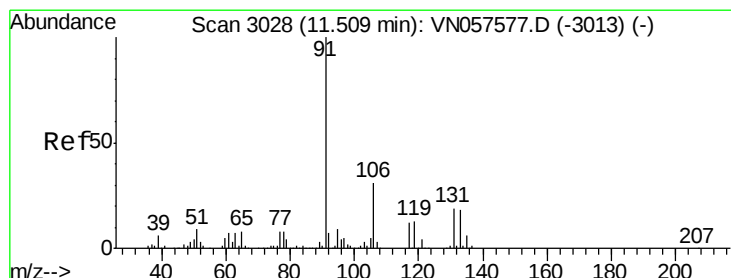
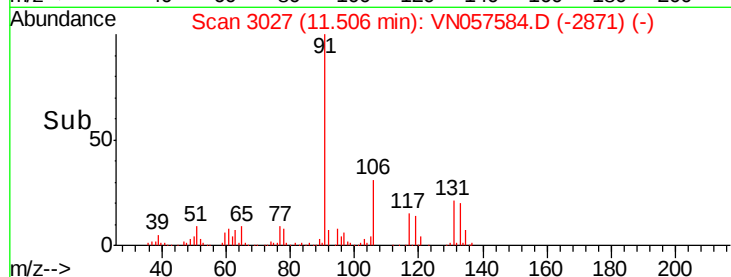
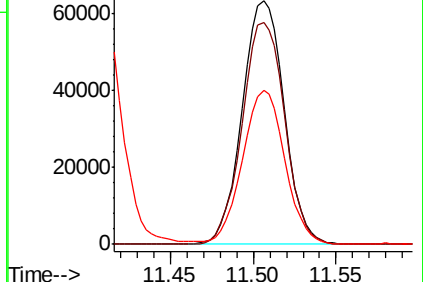
119 63.8 0.0 134.6



Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V



#66

Ethyl Benzene

Concen: 21.313 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN057584.D

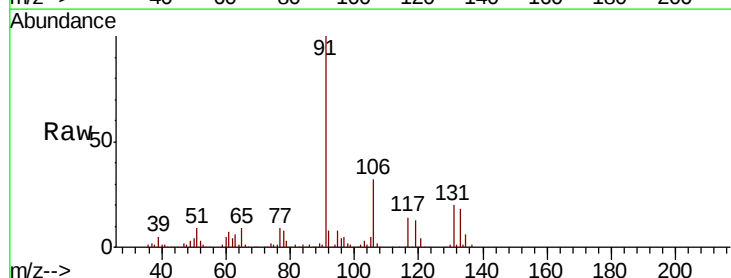
Acq: 30 Aug 2019 13:02

Tgt Ion: 91 Resp: 509666

Ion Ratio Lower Upper

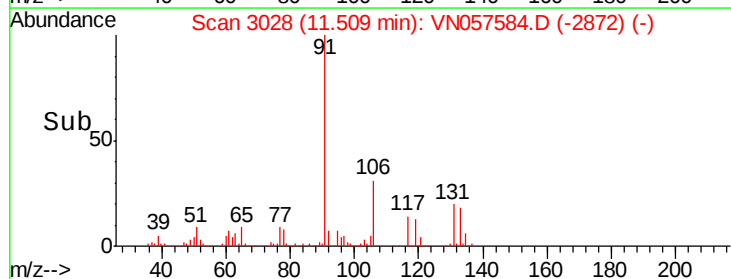
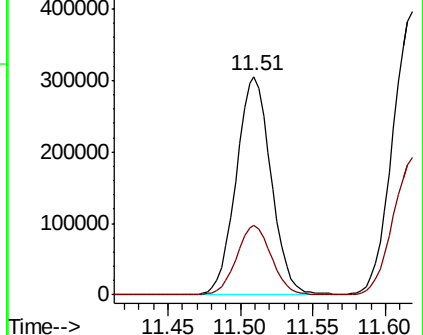
91 100

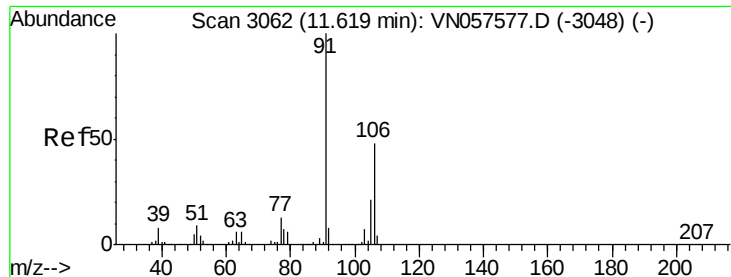
106 31.6 24.7 37.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V





#67

m/p-Xylenes

Concen: 39.720 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. 0.00 min

Lab File: VN057584.D

Acq: 30 Aug 2019 13:02

Instrument :

MSVOA_N

ClientSampleId :

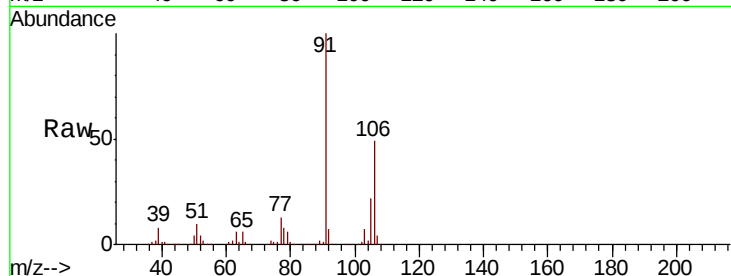
VN0830WBS01

Tgt Ion:106 Resp: 380036

Ion Ratio Lower Upper

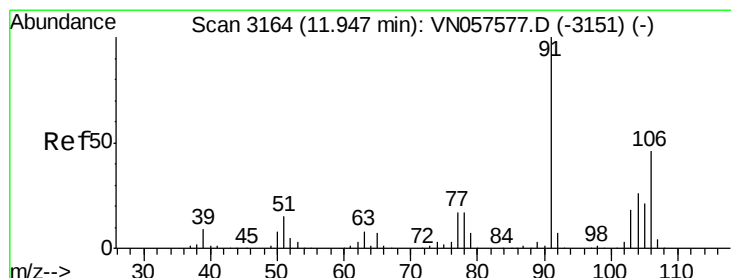
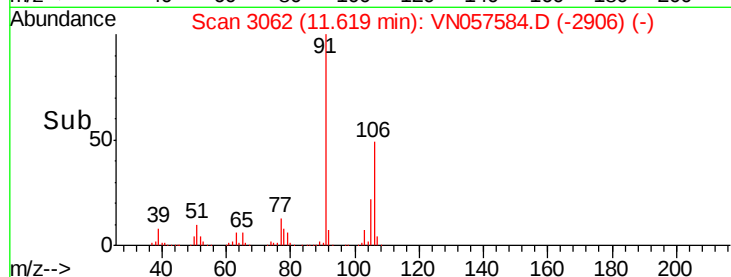
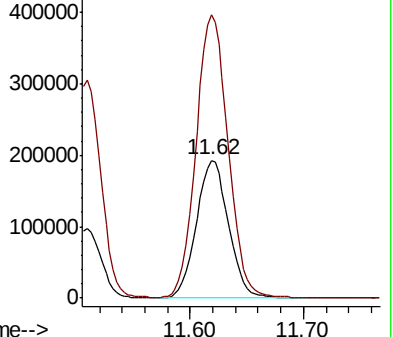
106 100

91 205.2 164.1 246.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN



#68

o-Xylene

Concen: 19.422 ug/l

RT: 11.95 min Scan# 3164

Delta R.T. 0.00 min

Lab File: VN057584.D

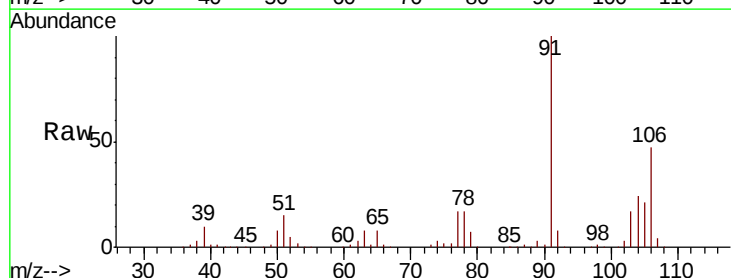
Acq: 30 Aug 2019 13:02

Tgt Ion:106 Resp: 186710

Ion Ratio Lower Upper

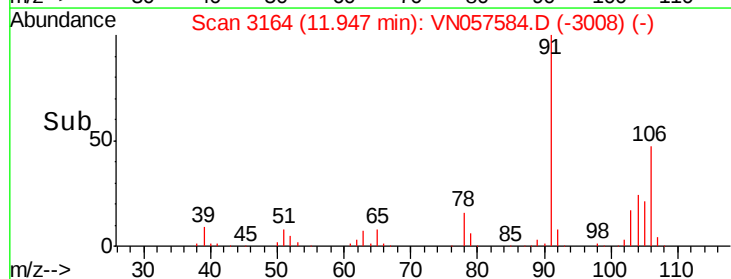
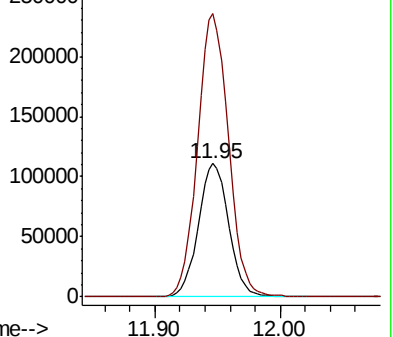
106 100

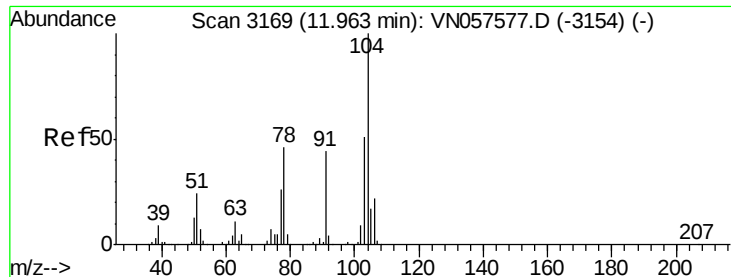
91 216.2 107.8 323.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN





#69

Styrene

Concen: 19.268 ug/l

RT: 11.96 min Scan# 3169

Delta R.T. 0.00 min

Lab File: VN057584.D

Acq: 30 Aug 2019 13:02

Instrument :

MSVOA_N

ClientSampled :

VN0830WBS01

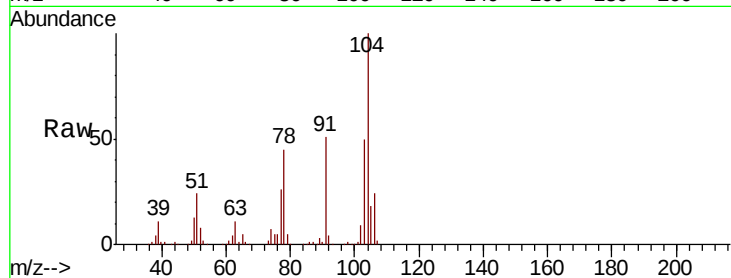
Tgt Ion:104 Resp: 293584

Ion Ratio Lower Upper

104 100

78 51.9 41.4 62.0

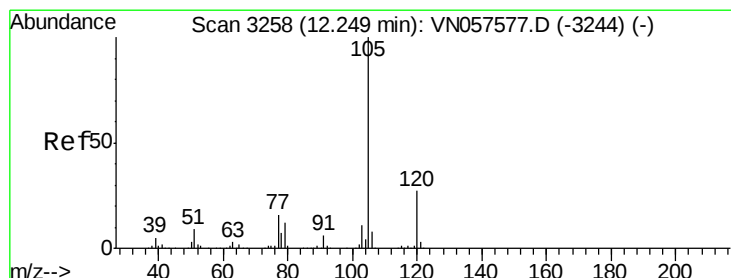
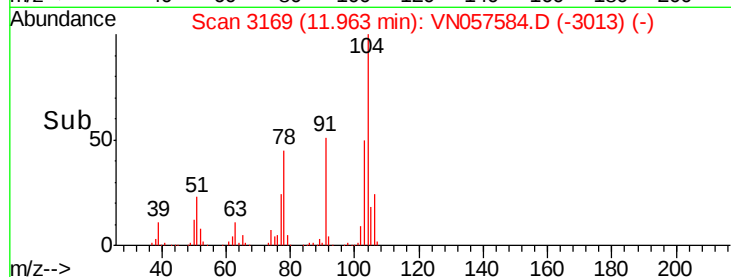
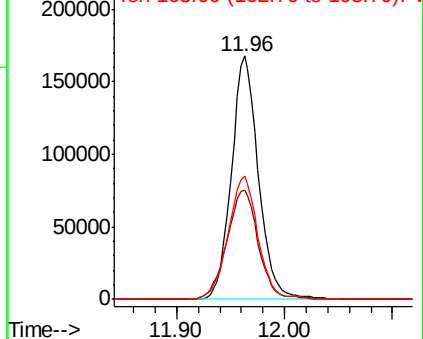
103 55.2 44.8 67.2



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VN

Ion 103.00 (102.70 to 103.70): V



#70

Isopropylbenzene

Concen: 21.268 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN057584.D

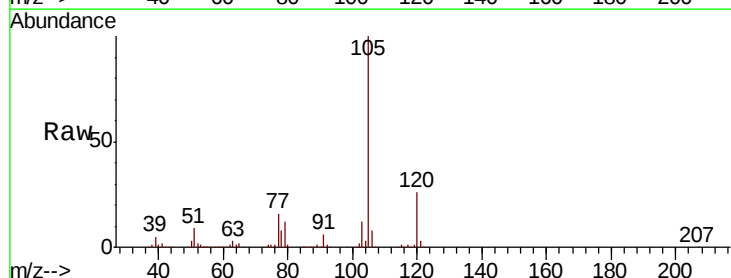
Acq: 30 Aug 2019 13:02

Tgt Ion:105 Resp: 512494

Ion Ratio Lower Upper

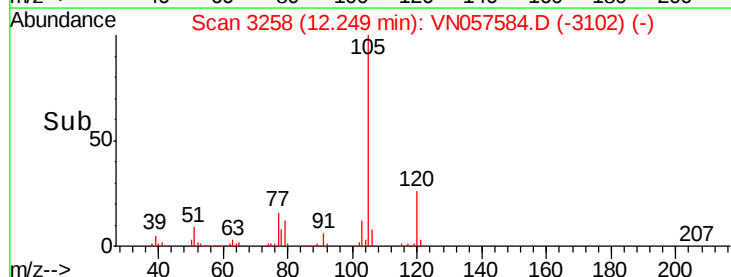
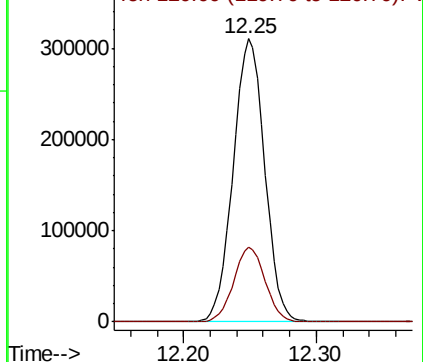
105 100

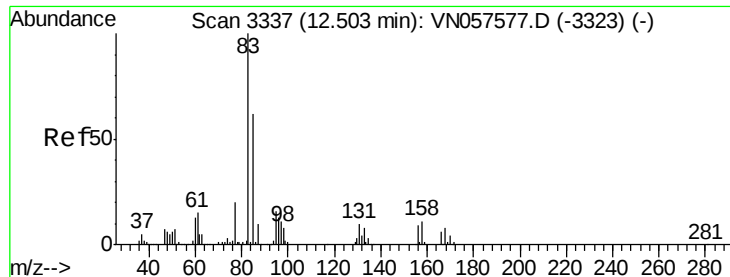
120 26.2 18.7 34.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#71

1,1,2,2-Tetrachloroethane

Concen: 19.965 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN057584.D

Acq: 30 Aug 2019 13:02

Instrument :

MSVOA_N

ClientSampleId :

VN0830WBS01

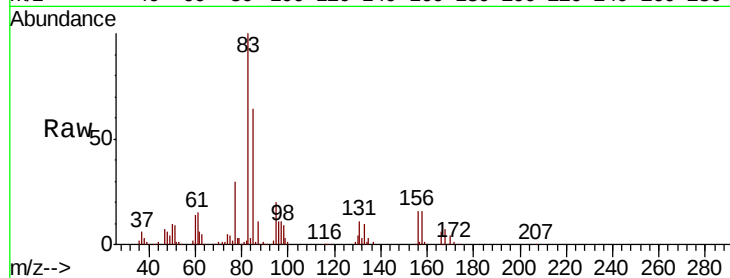
Tgt Ion: 83 Resp: 127967

Ion Ratio Lower Upper

83 100

131 11.1 5.2 15.6

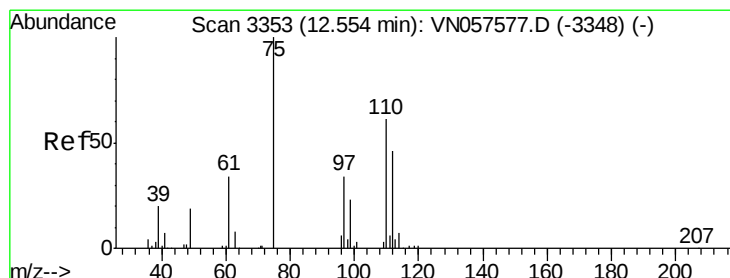
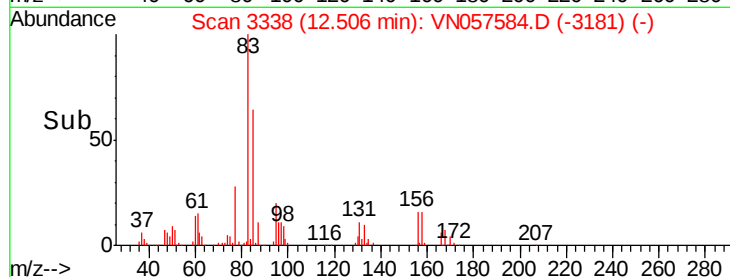
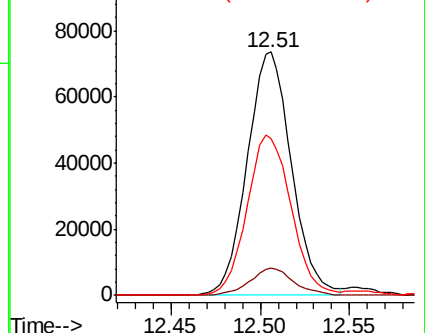
85 65.4 31.6 94.8



Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 131.00 (130.70 to 131.70): VN0

Ion 85.00 (84.70 to 85.70): VN0



#72

1,2,3-Trichloropropane

Concen: 28.880 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN057584.D

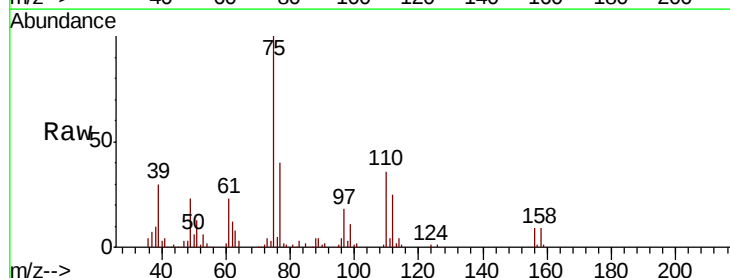
Acq: 30 Aug 2019 13:02

Tgt Ion: 75 Resp: 157148

Ion Ratio Lower Upper

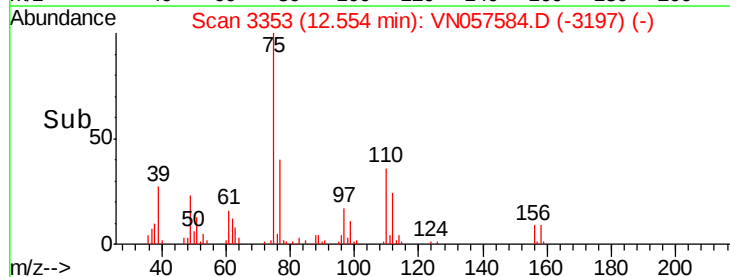
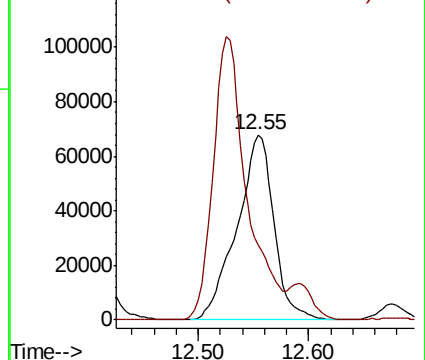
75 100

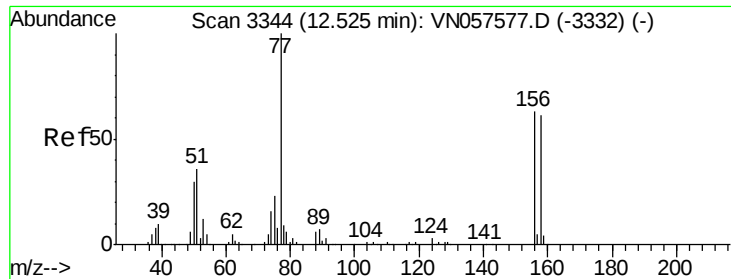
77 139.5 0.0 399.2



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 77.00 (76.70 to 77.70): VN0





#73

Bromobenzene

Concen: 18.863 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN057584.D

Acq: 30 Aug 2019 13:02

Instrument :

MSVOA_N

ClientSampled :

VN0830WBS01

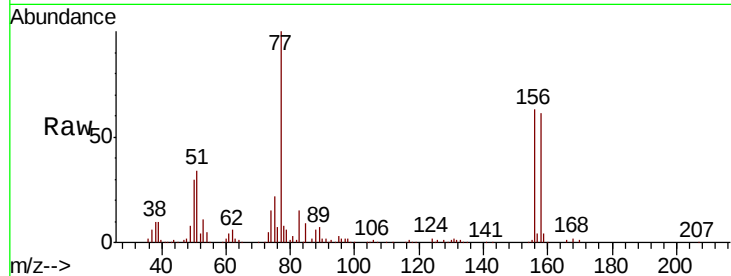
Tgt Ion:156 Resp: 116194

Ion Ratio Lower Upper

156 100

77 188.7 0.0 374.6

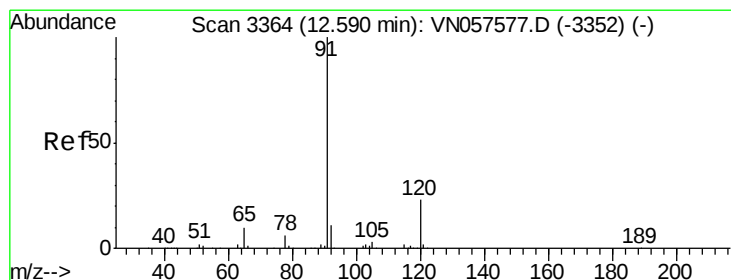
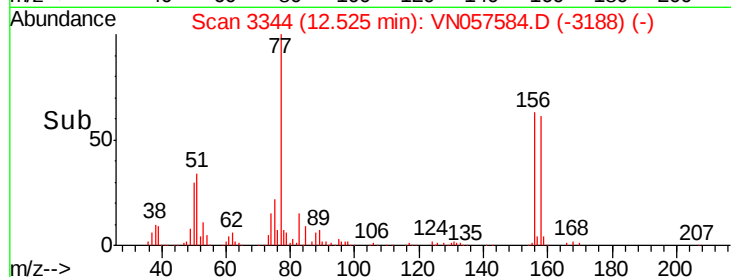
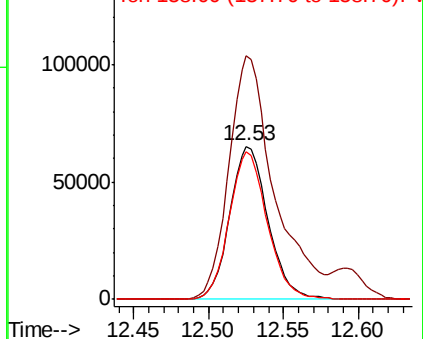
158 96.1 0.0 197.4



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 21.369 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN057584.D

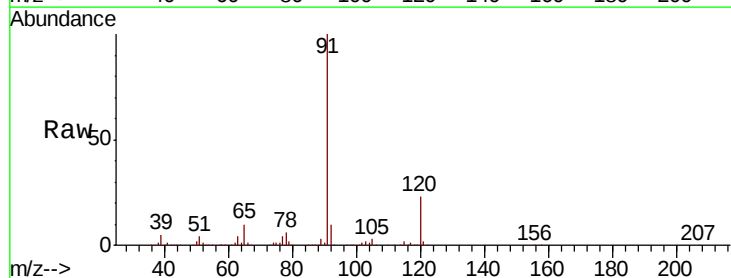
Acq: 30 Aug 2019 13:02

Tgt Ion: 91 Resp: 530830

Ion Ratio Lower Upper

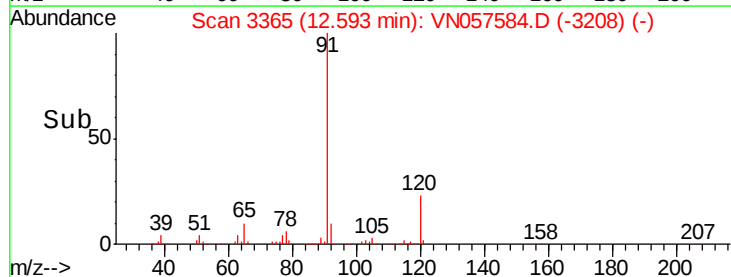
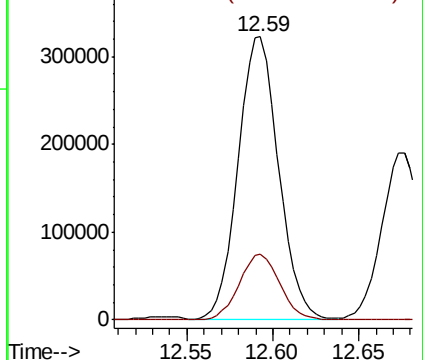
91 100

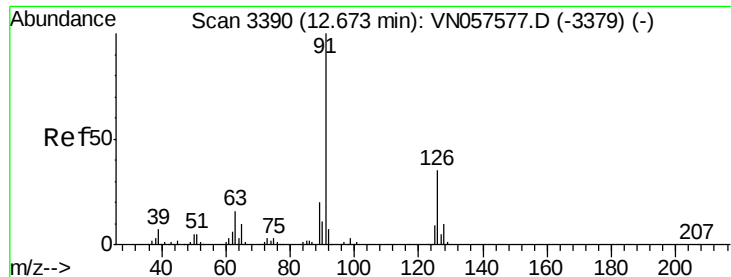
120 23.1 0.0 46.6



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 19.931 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN057584.D

Acq: 30 Aug 2019 13:02

Instrument :

MSVOA_N

ClientSampleId :

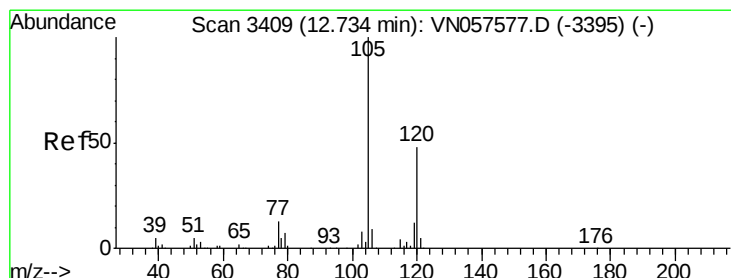
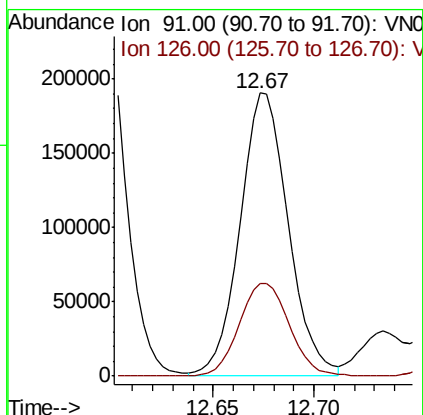
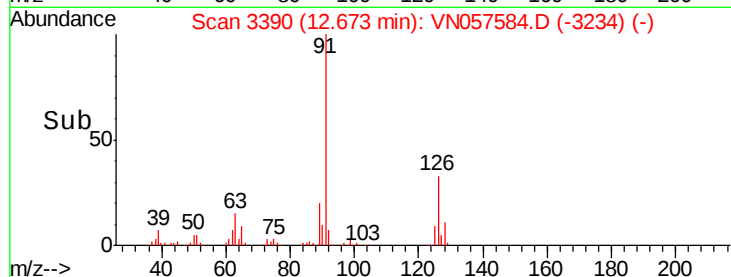
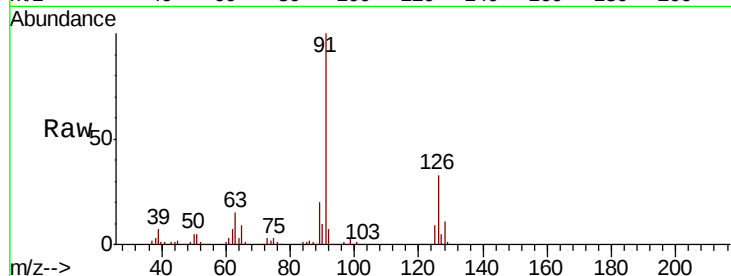
VN0830WBS01

Tgt Ion: 91 Resp: 319795

Ion Ratio Lower Upper

91 100

126 34.2 0.0 70.4



#76

1,3,5-Trimethylbenzene

Concen: 20.747 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN057584.D

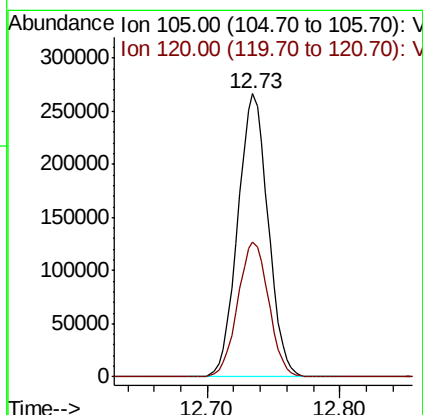
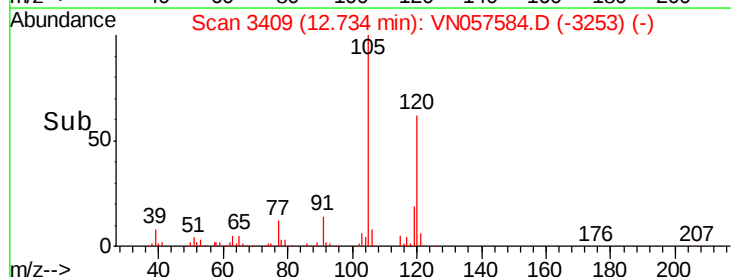
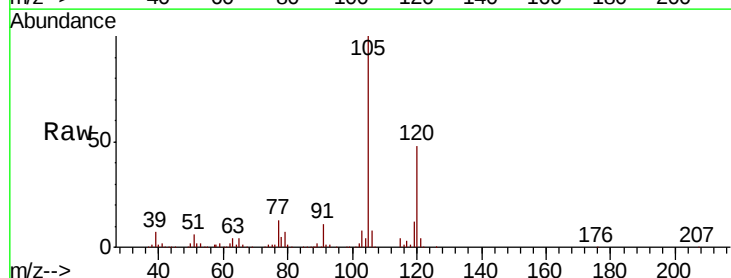
Acq: 30 Aug 2019 13:02

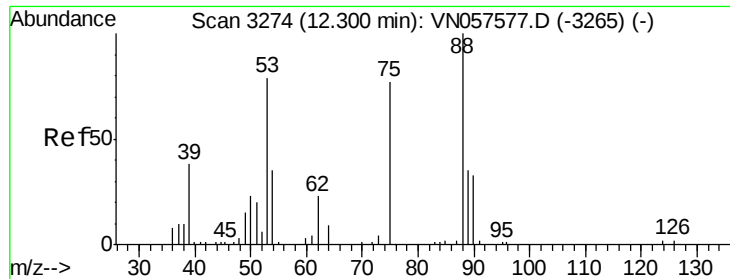
Tgt Ion: 105 Resp: 423087

Ion Ratio Lower Upper

105 100

120 48.6 0.0 95.8





#77

t-1,4-Dichloro-2-butene

Concen: 18.096 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN057584.D

Acq: 30 Aug 2019 13:02

Instrument :

MSVOA_N

ClientSampleId :

VN0830WBS01

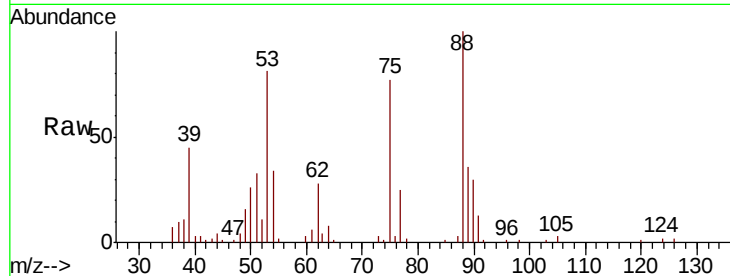
Tgt Ion: 75 Resp: 31187

Ion Ratio Lower Upper

75 100

53 103.7 52.8 158.4

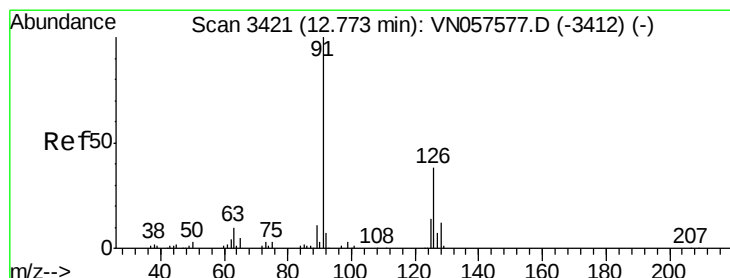
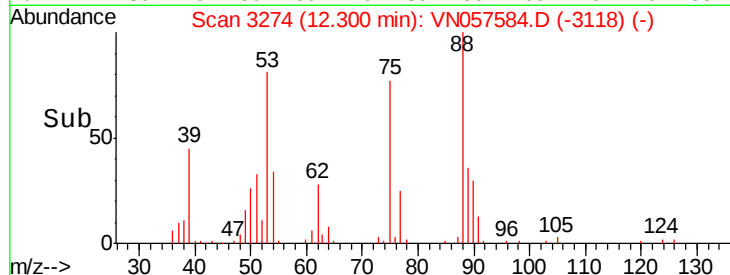
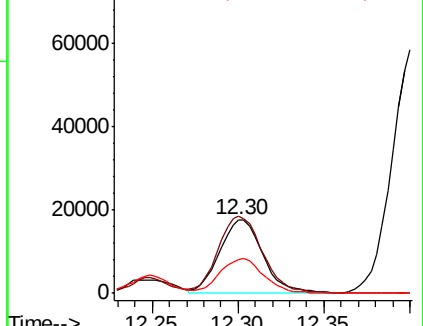
89 46.4 23.2 69.5



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 89.00 (88.70 to 89.70): VN0



#78

4-Chlorotoluene

Concen: 19.450 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN057584.D

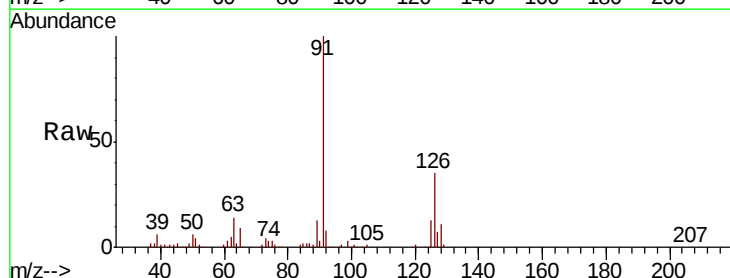
Acq: 30 Aug 2019 13:02

Tgt Ion: 91 Resp: 300210

Ion Ratio Lower Upper

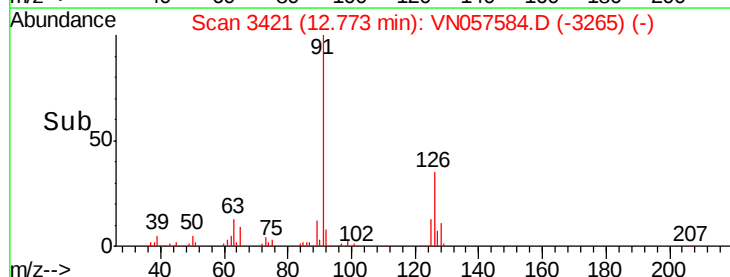
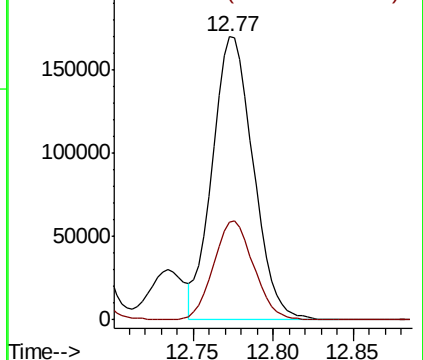
91 100

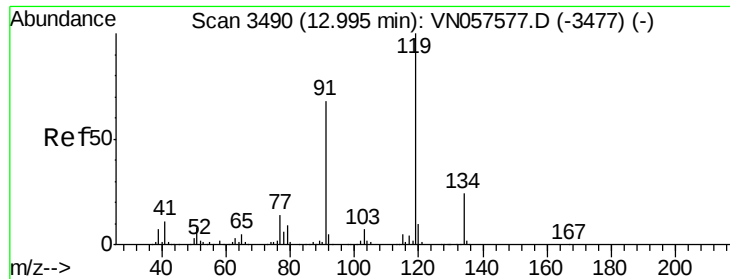
126 34.1 0.0 68.6



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 126.00 (125.70 to 126.70): V

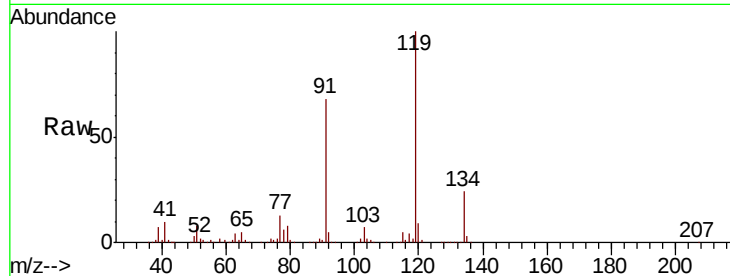




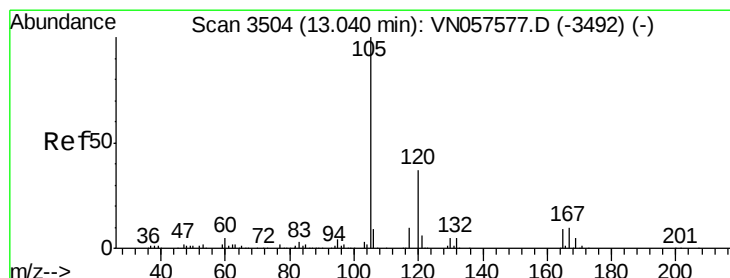
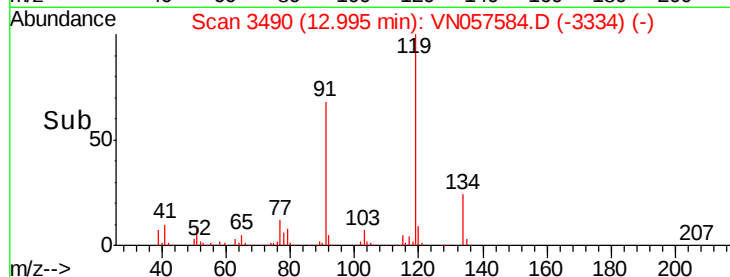
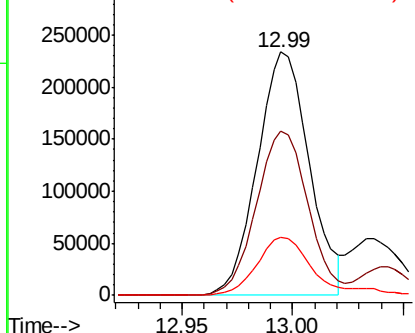
#79
tert-butylbenzene
Concen: 20.446 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. 0.00 min
Lab File: VN057584.D
Acq: 30 Aug 2019 13:02

Instrument :
MSVOA_N
ClientSampleId :
VN0830WBS01

Tgt Ion:119 Resp: 381051
Ion Ratio Lower Upper
119 100
91 67.5 0.0 137.6
134 24.0 0.0 47.8

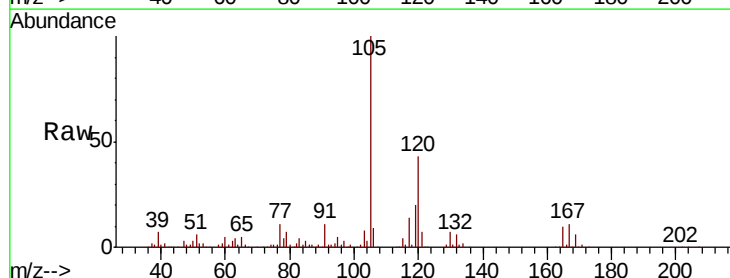


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): VN
Ion 134.00 (133.70 to 134.70): V

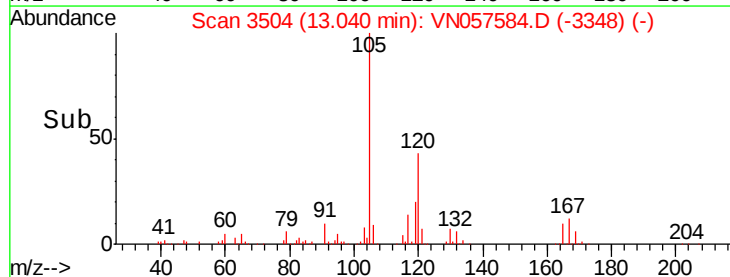
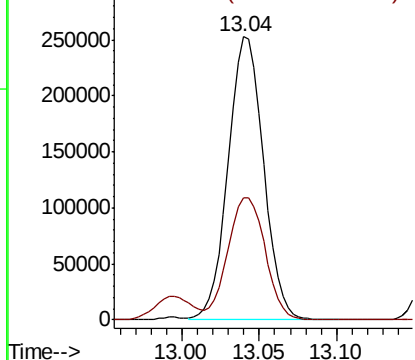


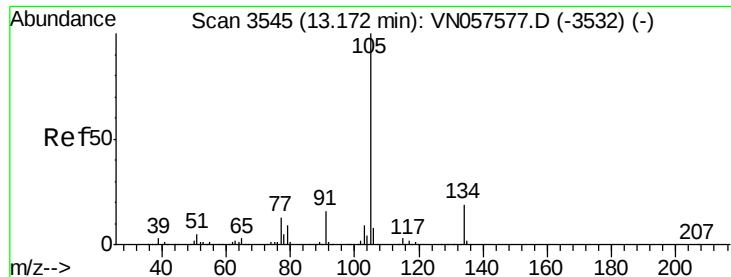
#80
1,2,4-Trimethylbenzene
Concen: 20.906 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN057584.D
Acq: 30 Aug 2019 13:02

Tgt Ion:105 Resp: 401867
Ion Ratio Lower Upper
105 100
120 45.5 0.0 87.2



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V

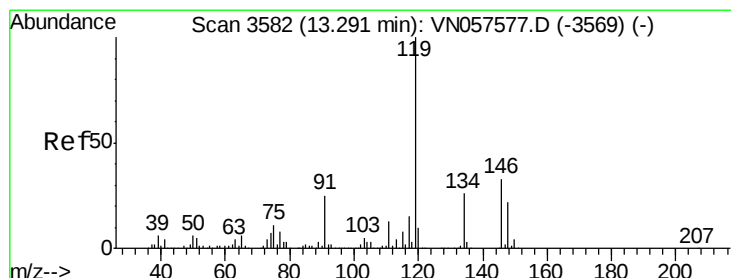
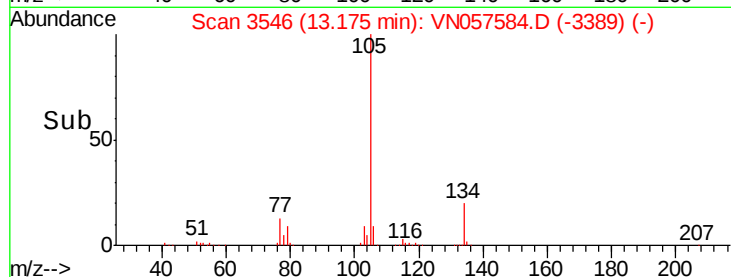
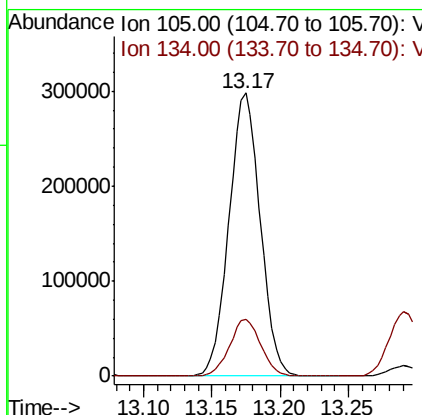
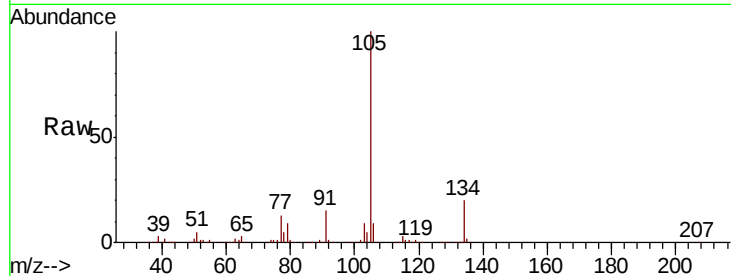




#81
 sec-Butylbenzene
 Concen: 20.880 ug/l
 RT: 13.17 min Scan# 3546
 Delta R.T. 0.00 min
 Lab File: VN057584.D
 Acq: 30 Aug 2019 13:02

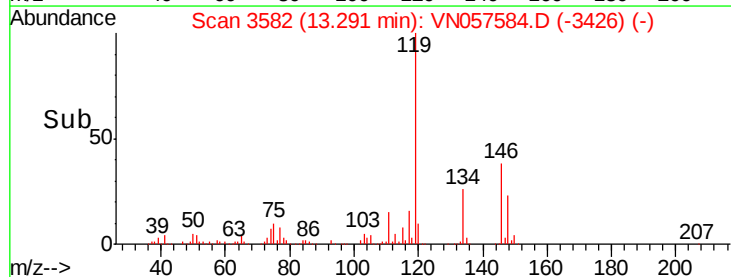
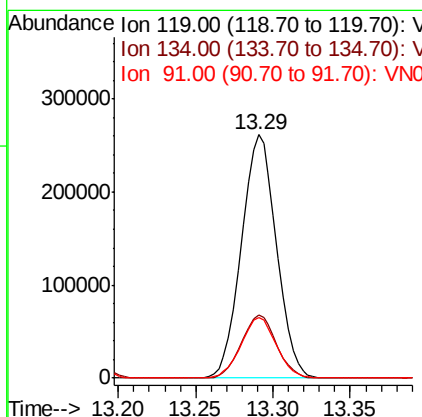
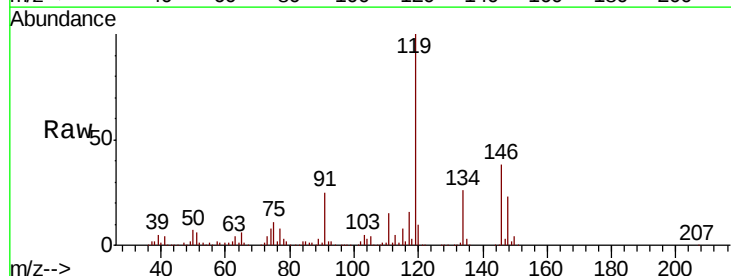
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0830WBS01

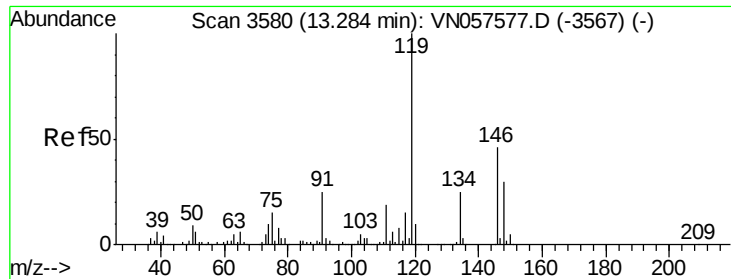
Tgt Ion:105 Resp: 473047
 Ion Ratio Lower Upper
 105 100
 134 20.1 0.0 39.2



#82
 p-Isopropyltoluene
 Concen: 20.492 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN057584.D
 Acq: 30 Aug 2019 13:02

Tgt Ion:119 Resp: 411718
 Ion Ratio Lower Upper
 119 100
 134 26.0 0.0 51.6
 91 25.3 0.0 50.8

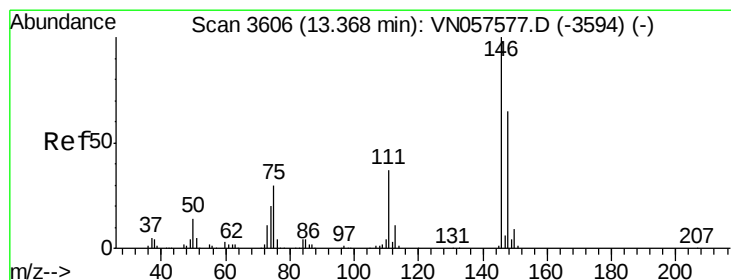
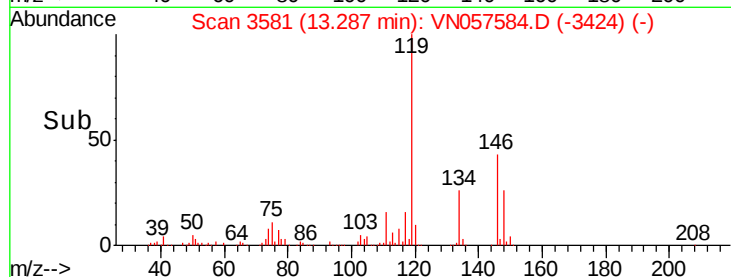
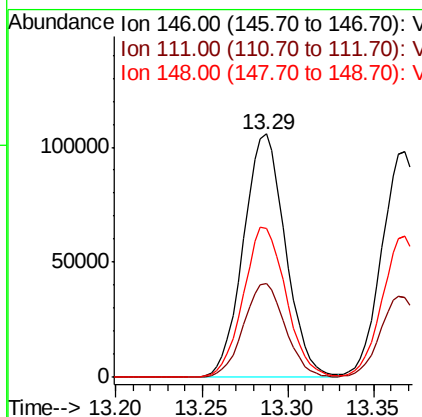
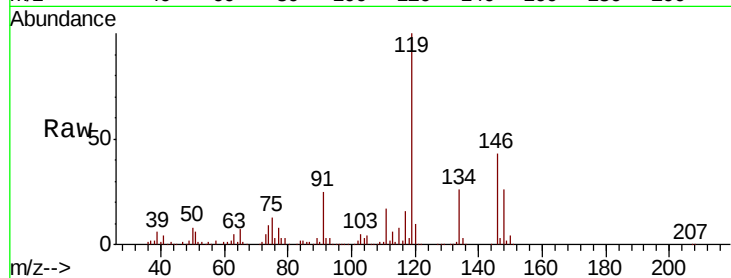




#83
 1,3-Dichlorobenzene
 Concen: 18.034 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN057584.D
 Acq: 30 Aug 2019 13:02

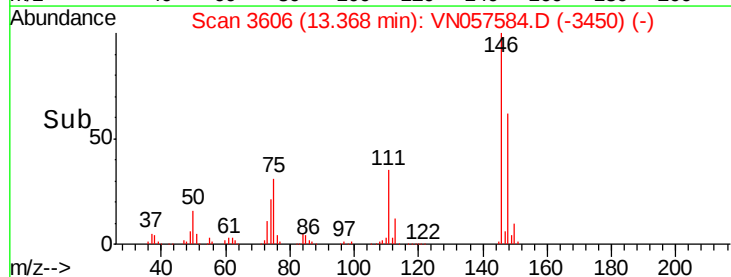
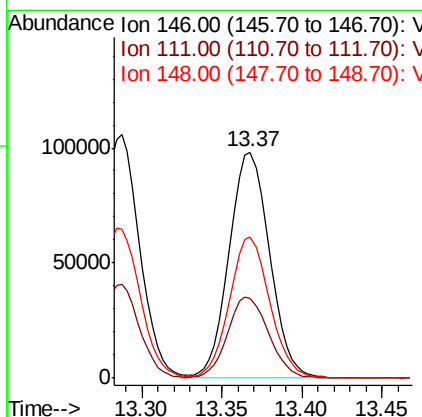
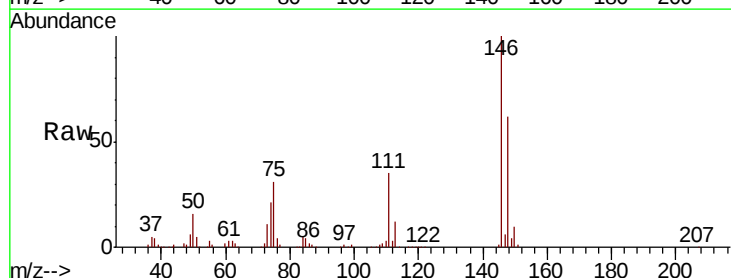
Instrument :
 MSVOA_N
 ClientSampled :
 VN0830WBS01

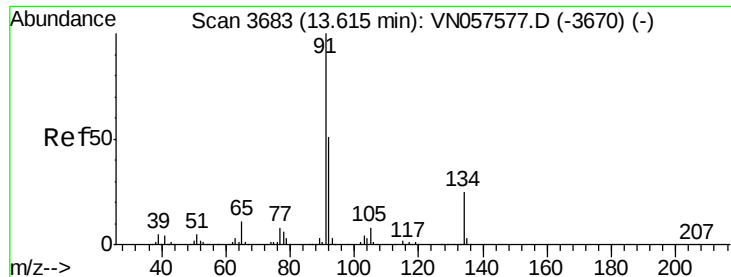
Tgt Ion:146 Resp: 179690
 Ion Ratio Lower Upper
 146 100
 111 38.2 20.0 60.0
 148 62.5 32.3 96.9



#84
 1,4-Dichlorobenzene
 Concen: 17.769 ug/l
 RT: 13.37 min Scan# 3606
 Delta R.T. 0.00 min
 Lab File: VN057584.D
 Acq: 30 Aug 2019 13:02

Tgt Ion:146 Resp: 169809
 Ion Ratio Lower Upper
 146 100
 111 36.3 19.3 57.9
 148 62.3 32.2 96.6





#85

n-Butylbenzene

Concen: 19.187 ug/l

RT: 13.62 min Scan# 3684

Delta R.T. 0.00 min

Lab File: VN057584.D

Acq: 30 Aug 2019 13:02

Instrument :

MSVOA_N

ClientSampleId :

VN0830WBS01

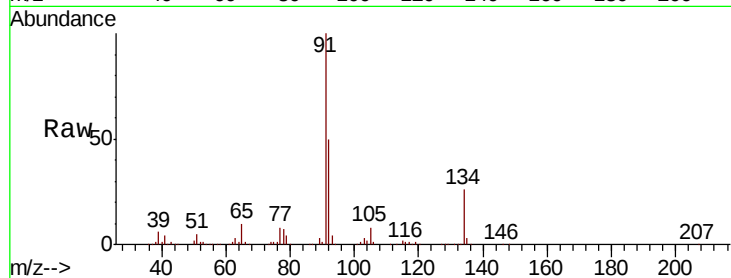
Tgt Ion: 91 Resp: 300214

Ion Ratio Lower Upper

91 100

92 50.4 0.0 103.0

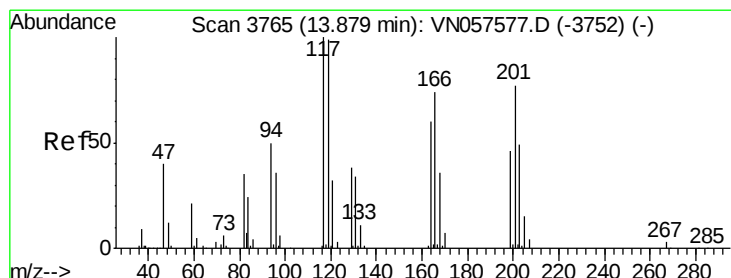
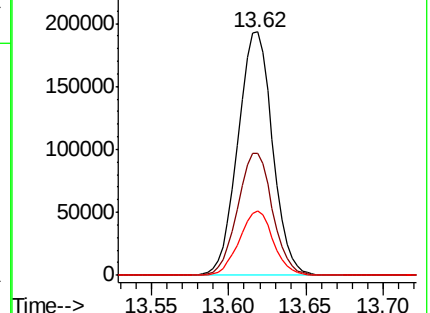
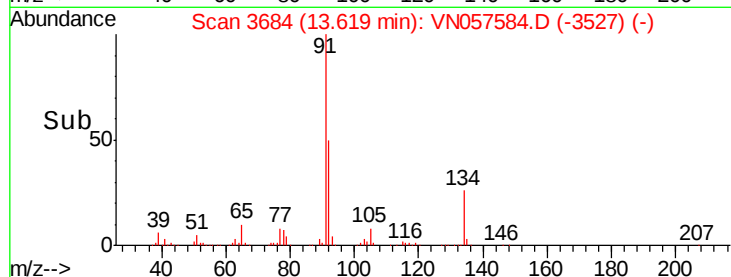
134 25.9 0.0 51.0



Abundance Ion 91.00 (90.70 to 91.70): VN057577.D (-3670) (-)

Ion 92.00 (91.70 to 92.70): VN057577.D (-3670) (-)

Ion 134.00 (133.70 to 134.70): VN057577.D (-3670) (-)



#86

Hexachloroethane

Concen: 18.025 ug/l

RT: 13.88 min Scan# 3764

Delta R.T. -0.00 min

Lab File: VN057584.D

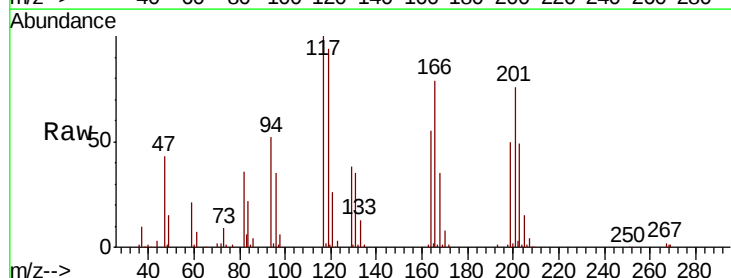
Acq: 30 Aug 2019 13:02

Tgt Ion: 117 Resp: 69251

Ion Ratio Lower Upper

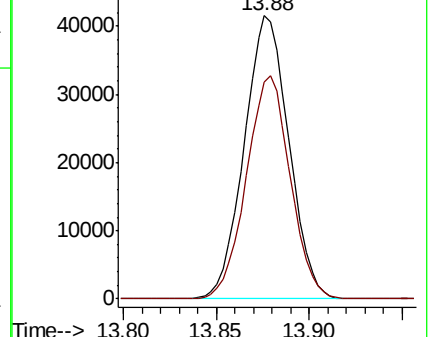
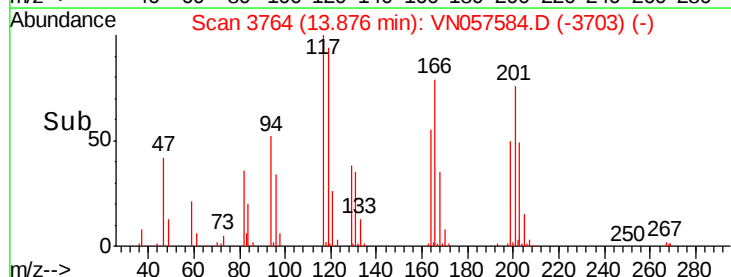
117 100

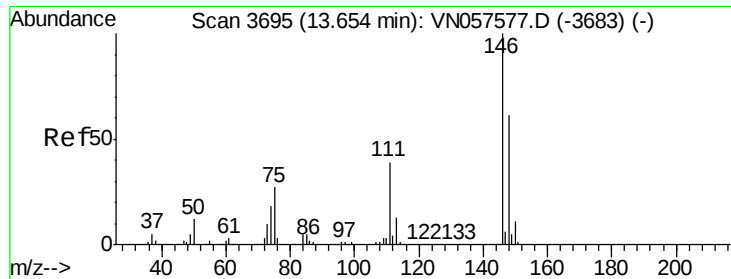
201 77.5 38.0 113.9



Abundance Ion 117.00 (116.70 to 117.70): VN057577.D (-3752) (-)

Ion 201.00 (200.70 to 201.70): VN057577.D (-3752) (-)

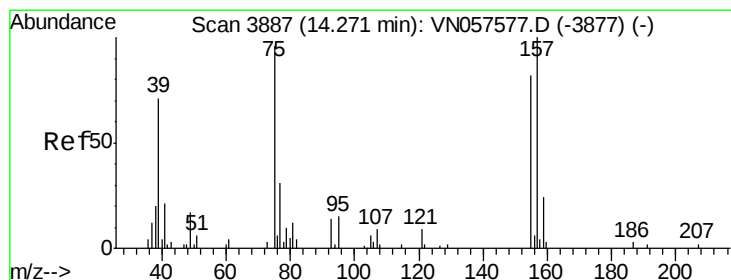
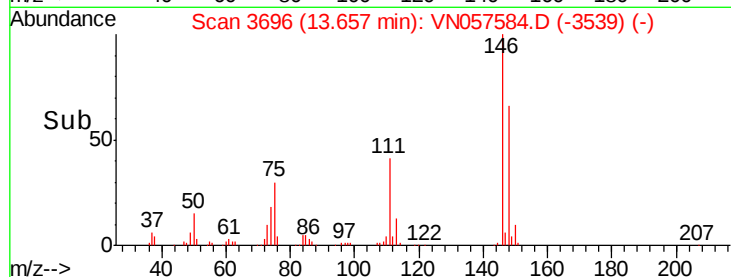
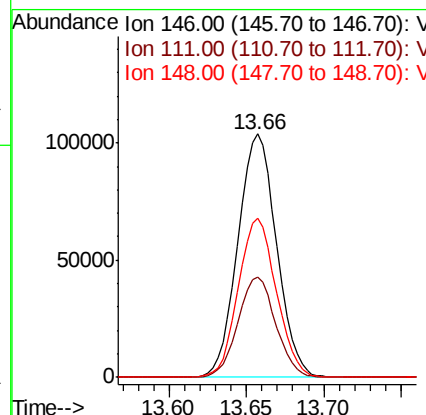
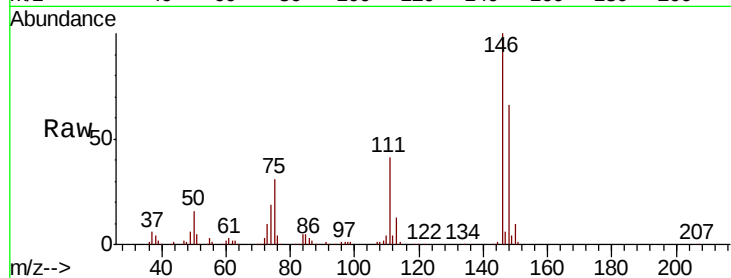




#87
 1,2-Dichlorobenzene
 Concen: 18.835 ug/l
 RT: 13.66 min Scan# 3696
 Delta R.T. 0.00 min
 Lab File: VN057584.D
 Acq: 30 Aug 2019 13:02

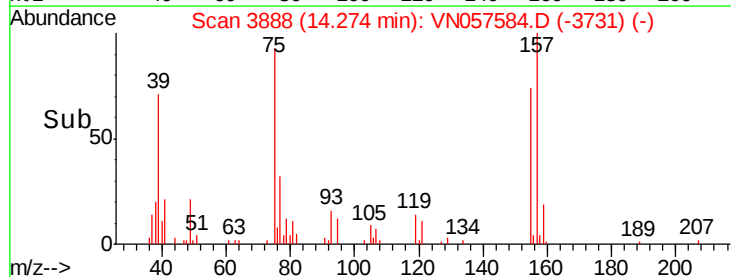
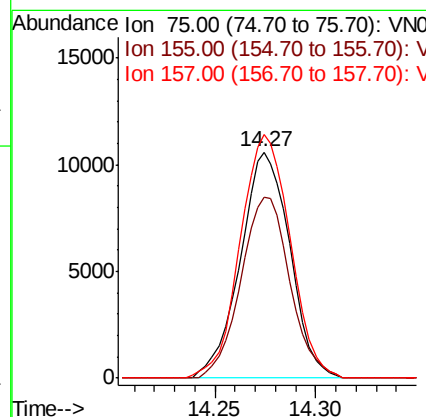
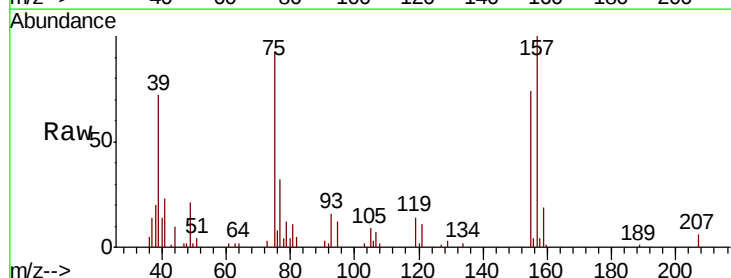
Instrument :
 MSVOA_N
 ClientSampled :
 VN0830WBS01

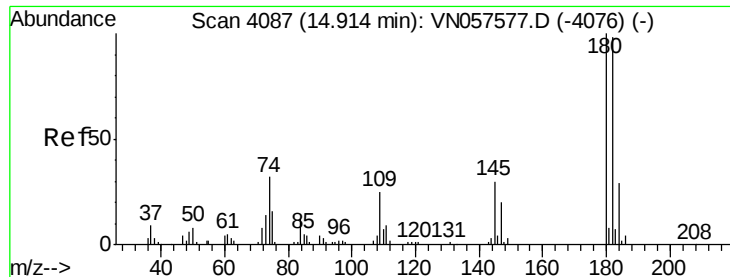
Tgt Ion: 146 Resp: 180373
 Ion Ratio Lower Upper
 146 100
 111 40.3 19.9 59.6
 148 64.2 31.2 93.6



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 18.924 ug/l
 RT: 14.27 min Scan# 3888
 Delta R.T. 0.00 min
 Lab File: VN057584.D
 Acq: 30 Aug 2019 13:02

Tgt Ion: 75 Resp: 18215
 Ion Ratio Lower Upper
 75 100
 155 79.3 66.5 99.7
 157 108.7 88.4 132.6

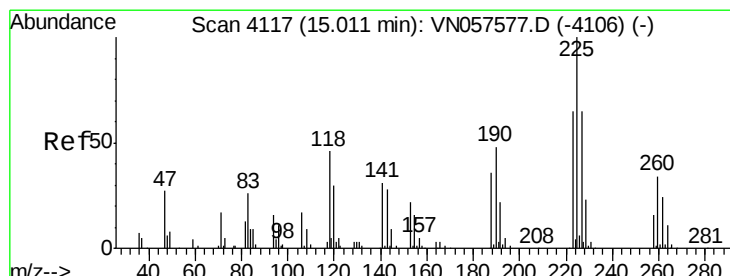
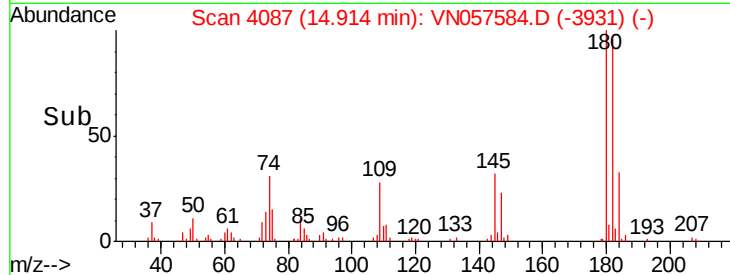
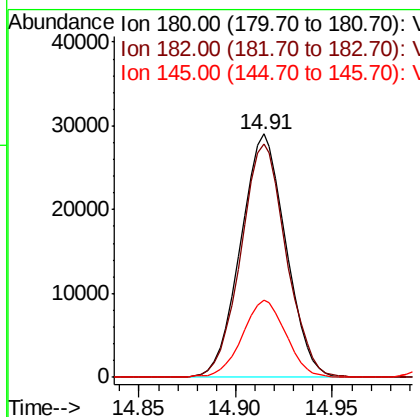
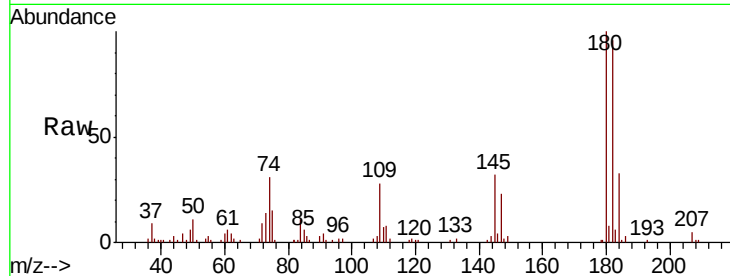




#89
 1,2,4-Trichlorobenzene
 Concen: 13.381 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN057584.D
 Acq: 30 Aug 2019 13:02

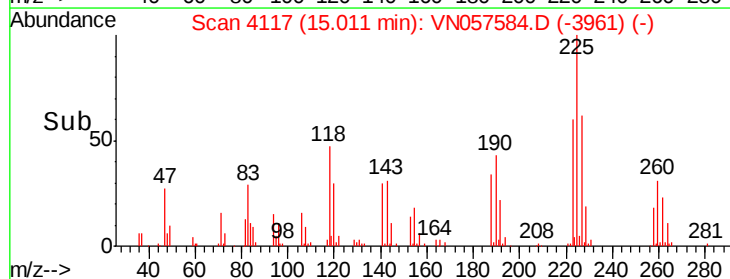
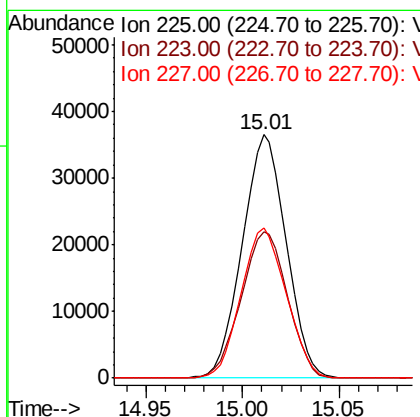
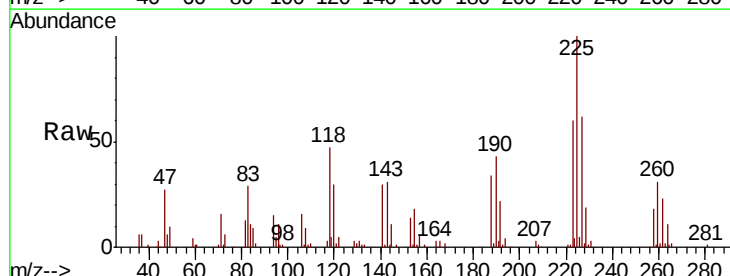
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0830WBS01

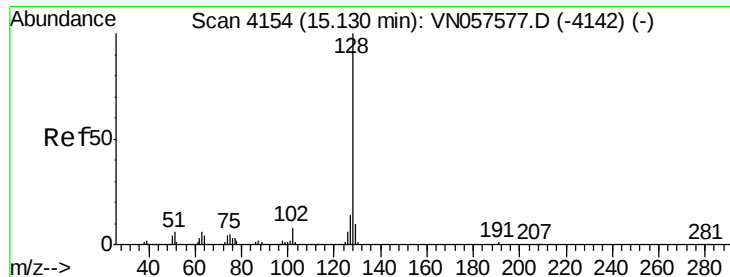
Tgt Ion:180 Resp: 47220
 Ion Ratio Lower Upper
 180 100
 182 96.0 76.6 115.0
 145 30.5 24.4 36.6



#90
 Hexachlorobutadiene
 Concen: 19.037 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN057584.D
 Acq: 30 Aug 2019 13:02

Tgt Ion:225 Resp: 57781
 Ion Ratio Lower Upper
 225 100
 223 63.3 0.0 130.6
 227 63.1 0.0 131.0

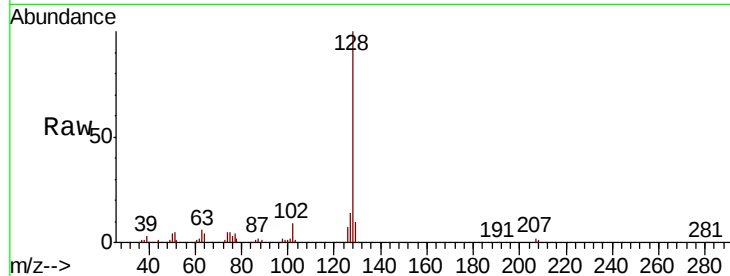




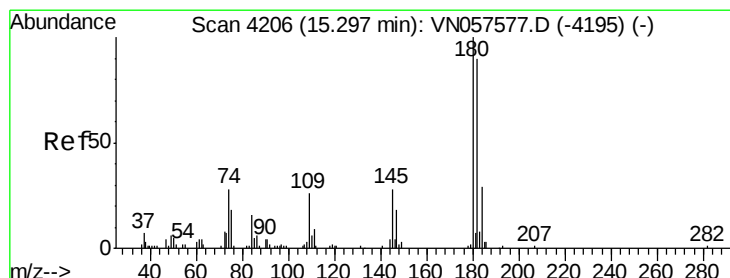
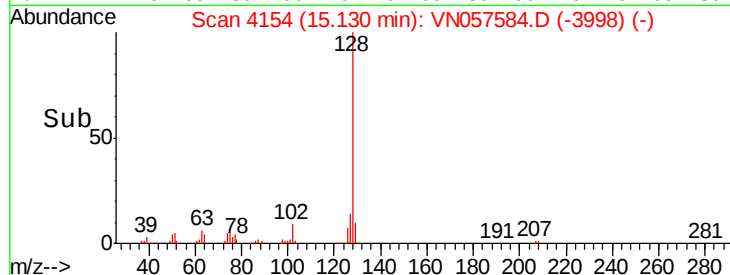
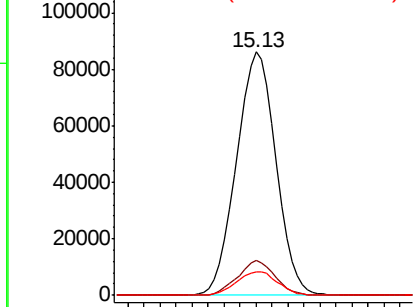
#91
Naphthalene
Concen: 14.729 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN057584.D
Acq: 30 Aug 2019 13:02

Instrument :
MSVOA_N
ClientSampleId :
VN0830WBS01

Tgt Ion:128 Resp: 144659
Ion Ratio Lower Upper
128 100
127 13.4 10.6 16.0
129 10.1 8.1 12.1

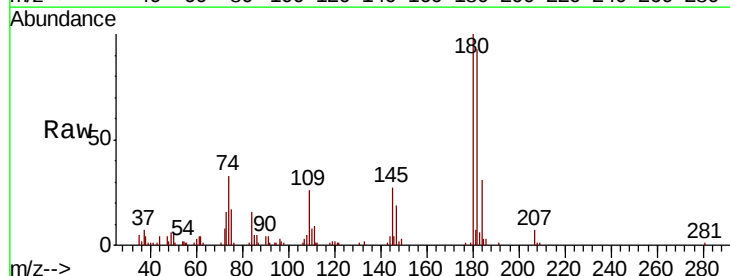


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#92
1,2,3-Trichlorobenzene
Concen: 13.865 ug/l
RT: 15.30 min Scan# 4207
Delta R.T. 0.00 min
Lab File: VN057584.D
Acq: 30 Aug 2019 13:02

Tgt Ion:180 Resp: 48471
Ion Ratio Lower Upper
180 100
182 92.4 0.0 181.0
145 30.0 0.0 62.2



Abundance Ion 180.00 (179.70 to 180.70): V
Ion 182.00 (181.70 to 182.70): V
Ion 145.00 (144.70 to 145.70): V

