

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN083019\
 Data File : VN057580.D
 Acq On : 30 Aug 2019 10:49
 Operator : JC/SP
 Sample : VSTDICC150
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC150

Quant Time: Aug 30 23:18:34 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N083019W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Aug 30 23:13:27 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.18	128	121829	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.58	114	697337	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	656834	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.02	65	246115	21.71	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	72.37%
60) 4-Bromofluorobenzene	12.40	95	317226	29.69	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	98.97%
63) Toluene-d8	10.08	98	879116	27.02	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	90.07%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.85	85	938929	146.101	ug/l 96
3) Chloromethane	2.05	50	762870	86.612	ug/l 100
4) Vinyl Chloride	2.18	62	1175630	102.480	ug/l 100
5) Bromomethane	2.53	94	1010618	126.666	ug/l 99
6) Chloroethane	2.68	64	753593	96.438	ug/l 96
7) Trichlorofluoromethane	3.00	101	2447362	124.410	ug/l 99
8) Diethyl Ether	3.40	74	779185	106.646	ug/l 97
9) 1,1,2-Trichlorotrifluoroet	3.73	101	1433892	126.948	ug/l 94
10) 1,1-Dichloroethene	3.71	96	1332795	123.970	ug/l 99
11) Methyl Iodide	3.93	142	2415190	203.881	ug/l 99
12) Methyl Acetate	4.31	43	697049	71.602	ug/l 95
13) Acrolein	3.59	56	452423	370.577	ug/l 98
14) Acrylonitrile	4.97	53	1581689	461.261	ug/l # 90
15) Acetone	3.81	58	721398	445.467	ug/l 96
16) Carbon Disulfide	4.03	76	1602227	92.373	ug/l 99
17) Allyl chloride	4.30	41	1035680	79.002	ug/l 97
18) Methylene Chloride	4.53	84	859617	115.050	ug/l 97
19) trans-1,2-Dichloroethene	5.01	96	914393	128.548	ug/l 95
20) Diisopropyl ether	5.94	45	2471620	87.269	ug/l 93
21) 1,1-Dichloroethane	5.83	63	1613153	106.883	ug/l 99
22) cis-1,2-Dichloroethene	6.81	96	1183160	135.977	ug/l 93
23) tert-Butyl Alcohol	4.81	59	568713	453.821	ug/l # 100
24) Methyl tert-Butyl Ether	5.03	73	2834320	120.489	ug/l 91
25) Chloroform	7.36	83	2003231	129.311	ug/l 99
26) Cyclohexane	7.64	56	1295164	96.835	ug/l # 89
29) 1,1-Dichloropropene	7.78	75	1371741	119.468	ug/l 98
30) 2-Butanone	6.83	43	2072689	397.751	ug/l # 93
31) 2,2-Dichloropropane	6.81	77	1661988	126.406	ug/l 99
32) 1,1,1-Trichloroethane	7.55	97	1877771	139.576	ug/l 96
33) Carbon Tetrachloride	7.76	117	1638932	146.379	ug/l 98
34) Benzene	8.03	78	3931663	116.329	ug/l # 89
35) Methacrylonitrile	7.16	41	417519	80.490	ug/l 91
36) 1,2-Dichloroethane	8.11	62	1432925	108.368	ug/l 99
37) Trichloroethene	8.83	130	1222075	152.236	ug/l 99
38) Methylcyclohexane	9.07	83	1706211	130.061	ug/l 95
39) 1,2-Dichloropropane	9.11	63	964794	102.984	ug/l 99
40) Dibromomethane	9.20	93	779197	130.575	ug/l 97

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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N083019W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	1651229	131.001	ug/l	98
42) Vinyl Acetate	5.88	43	8140284	346.154	ug/l #	87
43) Ethyl Acetate	6.92	43	855796	84.015	ug/l	97
44) Isopropyl Acetate	8.16	43	1636720	83.783	ug/l	97
45) 1,4-Dioxane	9.20	88	304443	2463.187	ug/l	98
46) Methyl methacrylate	9.19	41	747285	80.302	ug/l	89
47) n-amyl Acetate	12.07	43	1503980	94.467	ug/l	98
48) t-1,3-Dichloropropene	10.38	75	1696791	128.980	ug/l	97
49) cis-1,3-Dichloropropene	9.83	75	1782487	123.799	ug/l	94
50) 1,1,2-Trichloroethane	10.56	97	1132667	144.065	ug/l	98
51) Ethyl methacrylate	10.43	69	1516478	120.182	ug/l	88
52) 1,3-Dichloropropane	10.70	76	1726067	123.089	ug/l	98
53) Dibromochloromethane	10.90	129	1408940	166.928	ug/l	99
54) 1,2-Dibromoethane	11.00	107	1216238	150.076	ug/l	99
55) 2-Chloroethyl vinyl ether	9.69	63	2067957	653.529	ug/l	96
56) Bromoform	12.13	173	988260	191.938	ug/l #	97
58) 4-Methyl-2-Pentanone	9.98	43	3859637	328.944	ug/l #	82
59) 2-Hexanone	10.75	43	3013927	370.768	ug/l	87
61) Tetrachloroethene	10.63	164	1170119	152.008	ug/l	99
64) Chlorobenzene	11.43	112	3049297	139.564	ug/l	90
65) 1,1,1,2-Tetrachloroethane	11.51	131	1333293	160.612	ug/l	97
66) Ethyl Benzene	11.51	91	4133235	97.957	ug/l #	51
67) m/p-Xylenes	11.51	106	1901652	127.797	ug/l	92
68) o-Xylene	11.95	106	2209423	150.907	ug/l	70
69) Styrene	11.96	104	3382233	143.102	ug/l	94
70) Isopropylbenzene	12.25	105	4236651	107.029	ug/l #	75
71) 1,1,2,2-Tetrachloroethane	12.51	83	1422047	128.259	ug/l	98
72) 1,2,3-Trichloropropane	12.55	75	1779141	178.283	ug/l	62
73) Bromobenzene	12.53	156	1526101	185.809	ug/l	90
74) n-propylbenzene	12.59	91	4357472	97.856	ug/l	70
75) 2-Chlorotoluene	12.67	91	3353691	127.946	ug/l	87
76) 1,3,5-Trimethylbenzene	12.73	105	3881646	119.451	ug/l	77
77) t-1,4-Dichloro-2-butene	12.30	75	452085	131.718	ug/l	84
78) 4-Chlorotoluene	12.77	91	3412731	135.756	ug/l	84
79) tert-butylbenzene	12.99	119	3705450	132.674	ug/l	94
80) 1,2,4-Trimethylbenzene	13.04	105	3822561	125.138	ug/l	74
81) sec-Butylbenzene	13.17	105	4163931	113.696	ug/l	78
82) p-Isopropyltoluene	13.29	119	3943138	126.278	ug/l	81
83) 1,3-Dichlorobenzene	13.28	146	2625673	203.958	ug/l	97
84) 1,4-Dichlorobenzene	13.36	146	2531201	201.897	ug/l	98
85) n-Butylbenzene	13.62	91	3440580	129.257	ug/l	82
86) Hexachloroethane	13.88	117	967955	160.035	ug/l	94
87) 1,2-Dichlorobenzene	13.66	146	2495734	197.439	ug/l	97
88) 1,2-Dibromo-3-Chloropropan	14.27	75	237948	129.658	ug/l	86
89) 1,2,4-Trichlorobenzene	14.91	180	1185458	250.981	ug/l	99
90) Hexachlorobutadiene	15.01	225	720952	196.987	ug/l	97
91) Naphthalene	15.13	128	2948245	198.501	ug/l	98
92) 1,2,3-Trichlorobenzene	15.30	180	1145860	245.721	ug/l	96

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VSTDICC150

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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Aug 30 23:13:27 2019
Response via : Initial Calibration

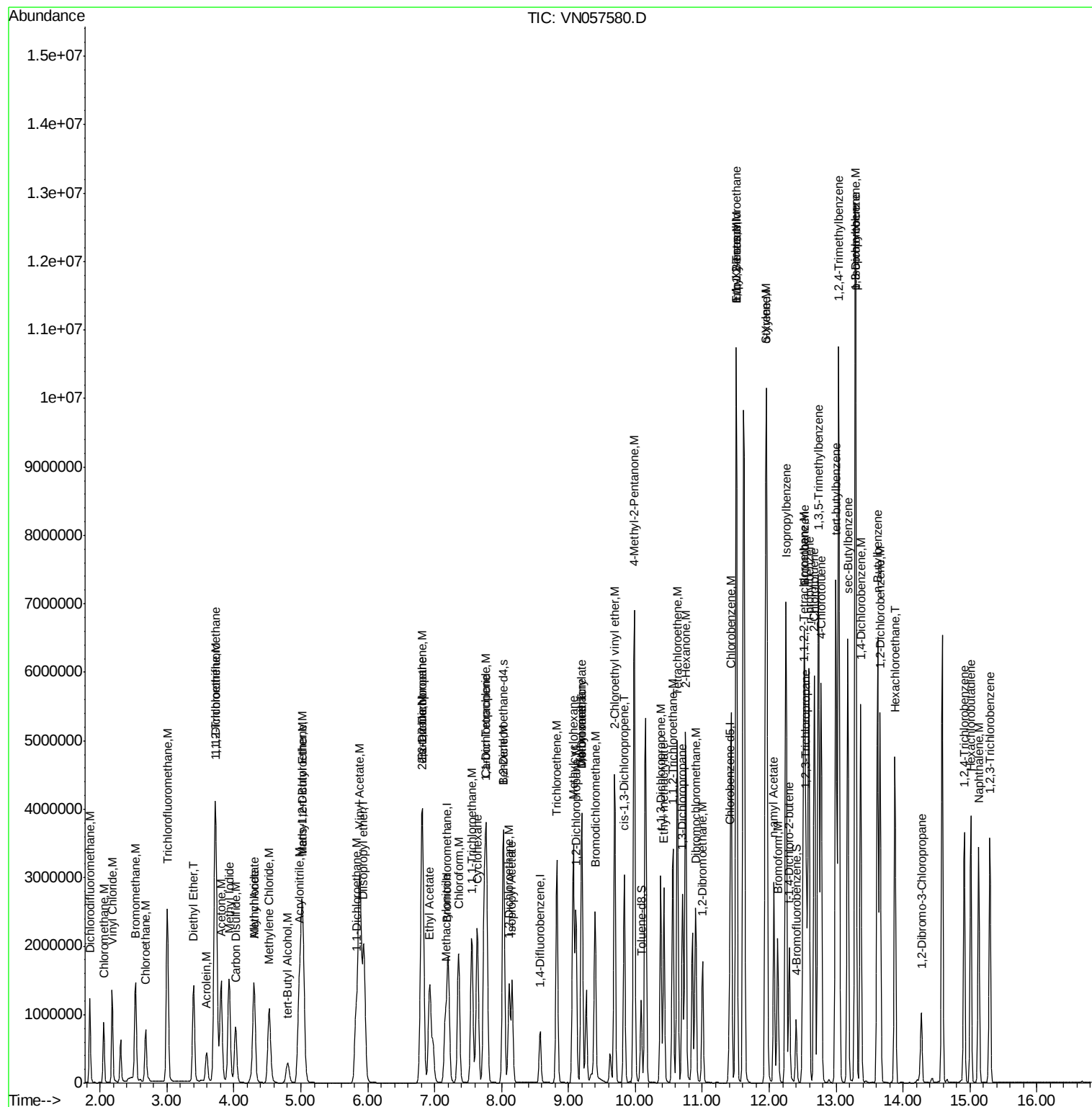
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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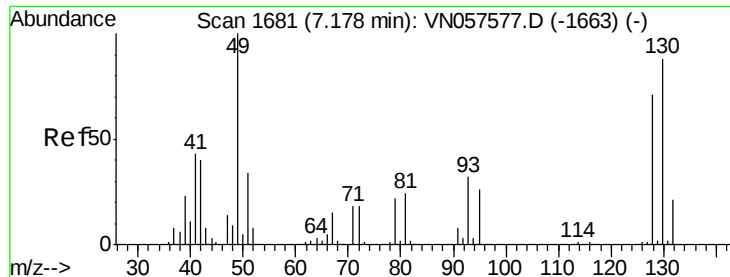
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_N\DATA\VN083019\
Data File : VN057580.D
Acq On : 30 Aug 2019 10:49
Operator : JC/SP
Sample : VSTDIC150
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Quant Time: Aug 30 23:18:34 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\624N083019W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Aug 30 23:13:27 2019
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.18 min Scan# 1682

Delta R.T. 0.00 min

Lab File: VN057580.D

Acq: 30 Aug 2019 10:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

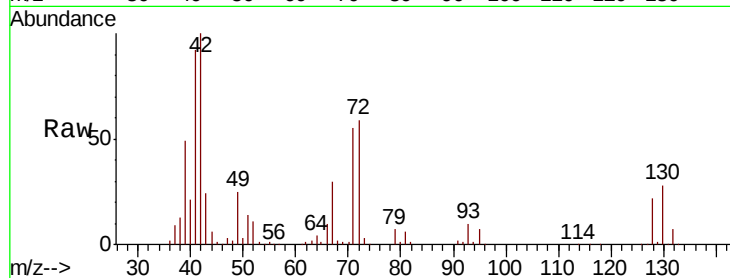
Tgt Ion:128 Resp: 121829

Ion Ratio Lower Upper

128 100

49 125.0 0.0 352.3

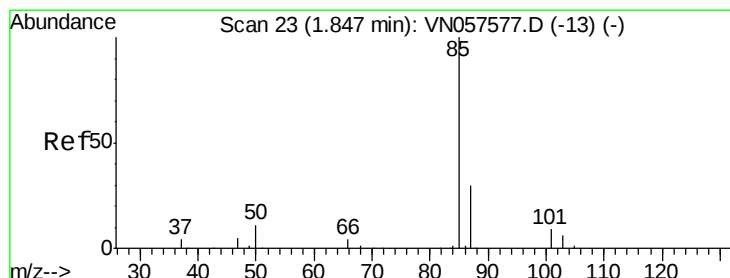
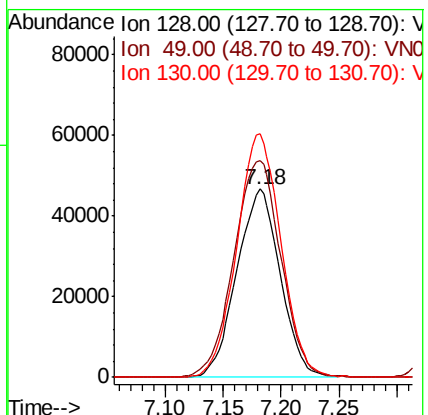
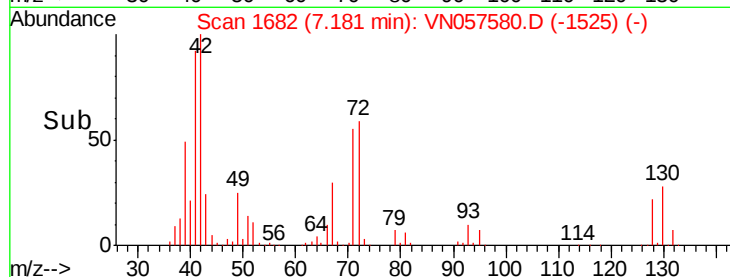
130 131.3 0.0 324.7



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: 146.101 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN057580.D

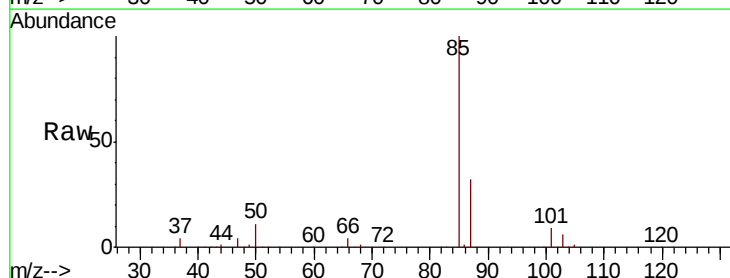
Acq: 30 Aug 2019 10:49

Tgt Ion: 85 Resp: 938929

Ion Ratio Lower Upper

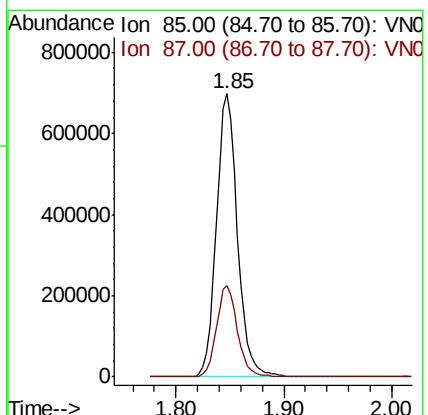
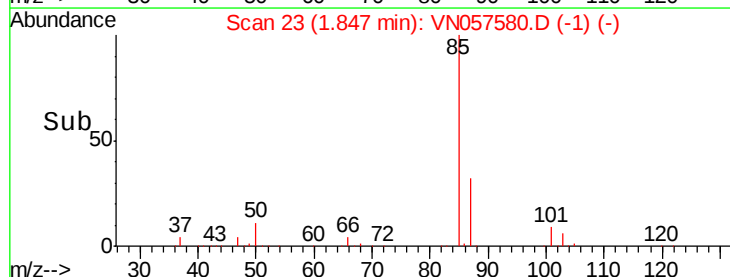
85 100

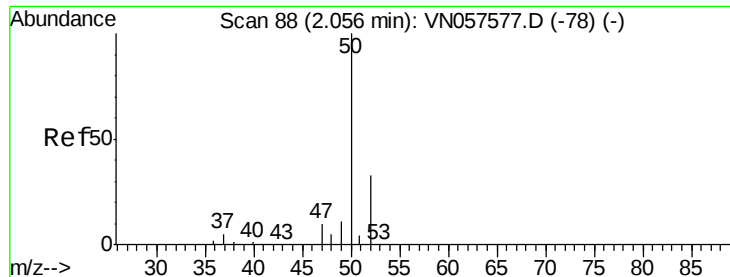
87 32.2 15.0 45.0



Abundance Ion 85.00 (84.70 to 85.70): VN

Ion 87.00 (86.70 to 87.70): VN





#3

Chloromethane

Concen: 86.612 ug/l

RT: 2.05 min Scan# 87

Delta R.T. -0.00 min

Lab File: VN057580.D

Acq: 30 Aug 2019 10:49

Instrument :

MSVOA_N

ClientSampleId :

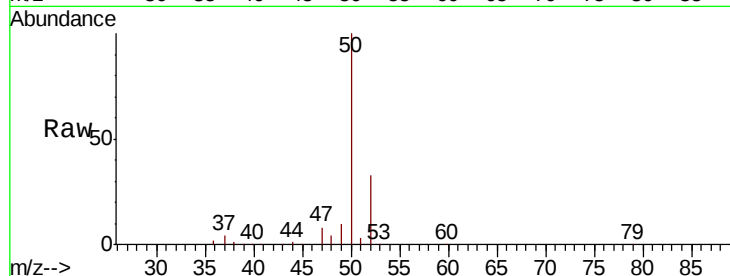
VSTDIC150

Tgt Ion: 50 Resp: 762870

Ion Ratio Lower Upper

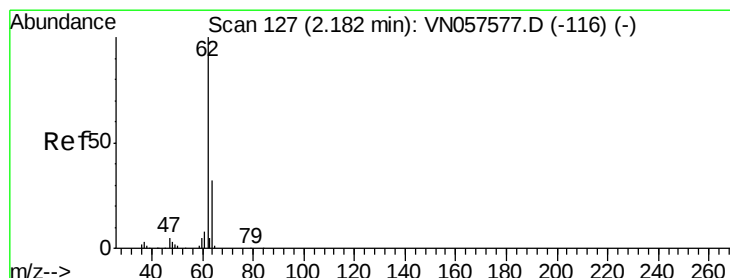
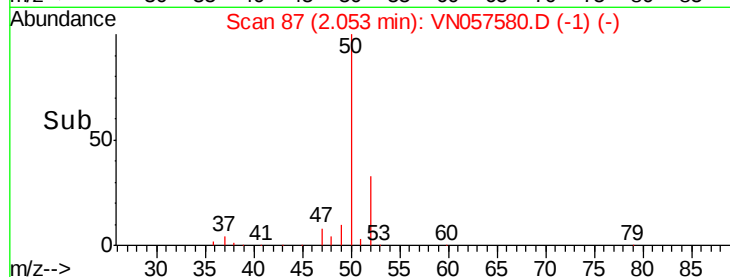
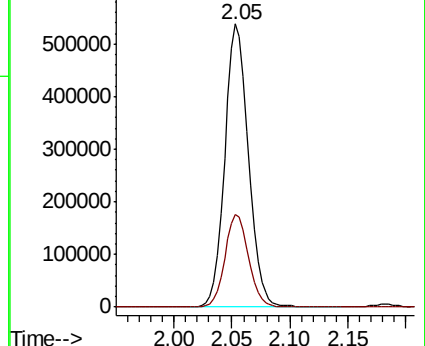
50 100

52 32.7 26.2 39.2



Abundance Ion 50.00 (49.70 to 50.70): VN057577.D (-78) (-)

Ion 52.00 (51.70 to 52.70): VN057577.D (-78) (-)



#4

Vinyl Chloride

Concen: 102.480 ug/l

RT: 2.18 min Scan# 127

Delta R.T. 0.00 min

Lab File: VN057580.D

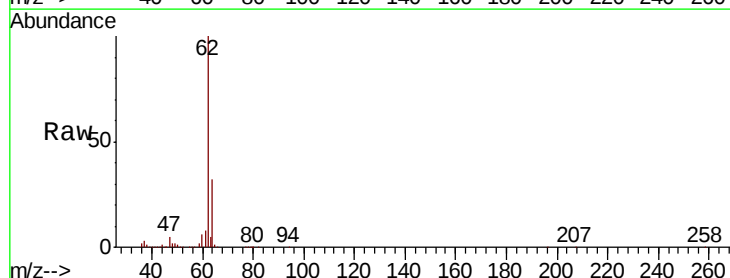
Acq: 30 Aug 2019 10:49

Tgt Ion: 62 Resp: 1175630

Ion Ratio Lower Upper

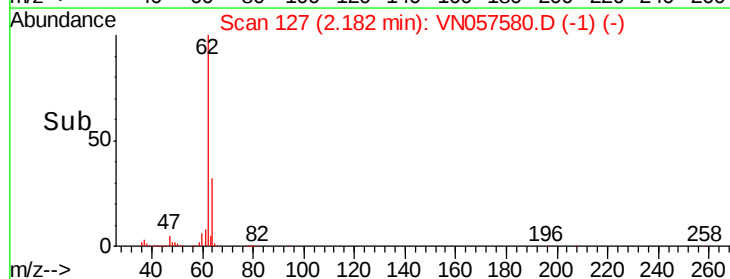
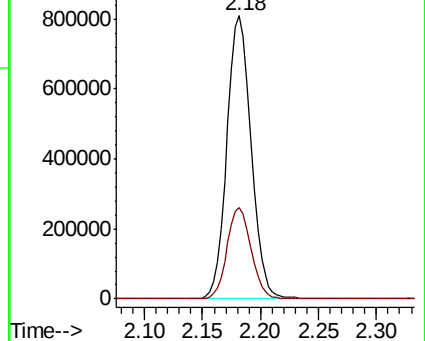
62 100

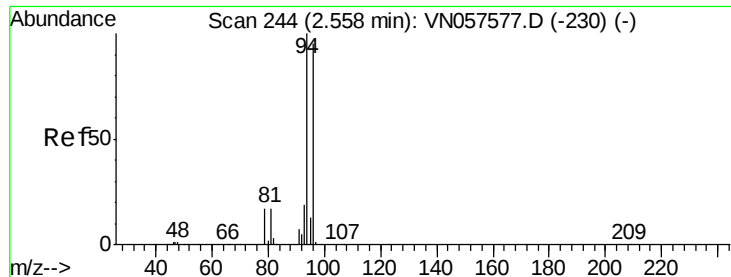
64 32.3 25.9 38.9



Abundance Ion 62.00 (61.70 to 62.70): VN057577.D (-116) (-)

Ion 64.00 (63.70 to 64.70): VN057577.D (-116) (-)





#5

Bromomethane

Concen: 126.666 ug/l

RT: 2.53 min Scan# 235

Delta R.T. -0.03 min

Lab File: VN057580.D

Acq: 30 Aug 2019 10:49

Instrument :

MSVOA_N

ClientSampleId :

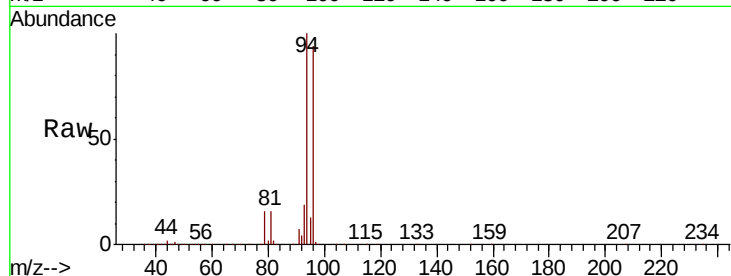
VSTDIC150

Tgt Ion: 94 Resp: 1010618

Ion Ratio Lower Upper

94 100

96 94.4 76.2 114.4



Abundance Ion 94.00 (93.70 to 94.70): VN057577.D (-230) (-)

Ion 96.00 (95.70 to 96.70): VN057577.D (-230) (-)

2.53

600000

500000

400000

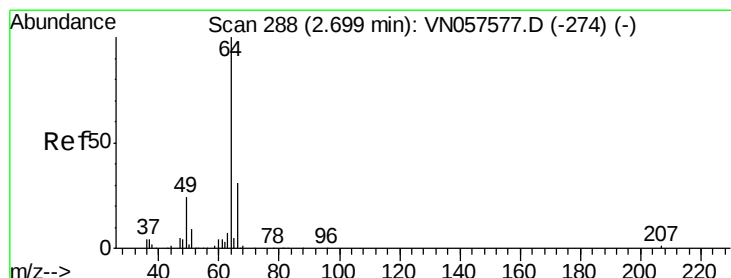
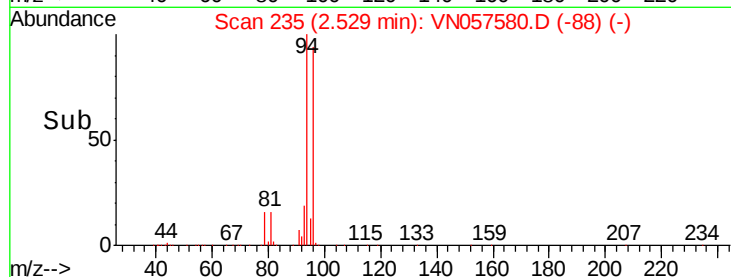
300000

200000

100000

0

Time-->



#6

Chloroethane

Concen: 96.438 ug/l

RT: 2.68 min Scan# 283

Delta R.T. -0.02 min

Lab File: VN057580.D

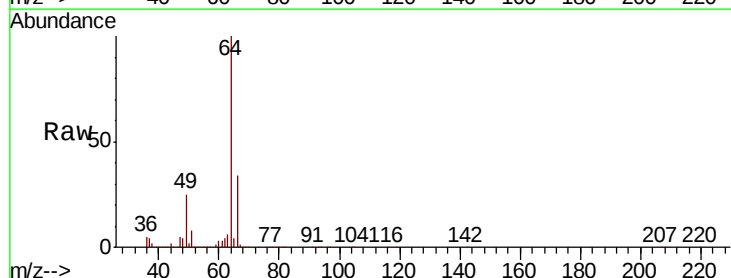
Acq: 30 Aug 2019 10:49

Tgt Ion: 64 Resp: 753593

Ion Ratio Lower Upper

64 100

66 33.6 25.1 37.7



Abundance Ion 64.00 (63.70 to 64.70): VN057577.D (-274) (-)

Ion 66.00 (65.70 to 66.70): VN057577.D (-274) (-)

2.68

400000

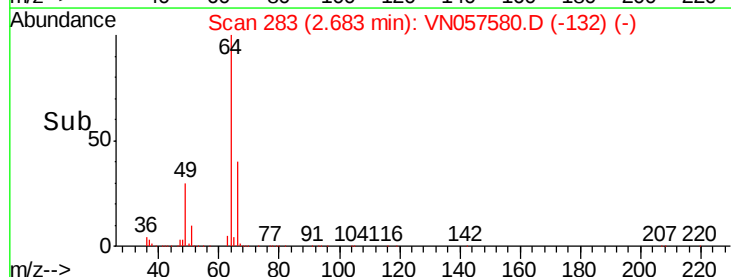
300000

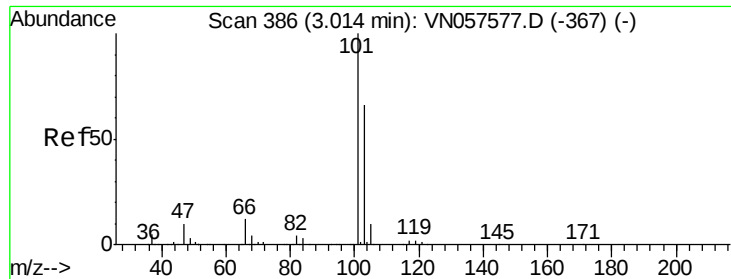
200000

100000

0

Time-->



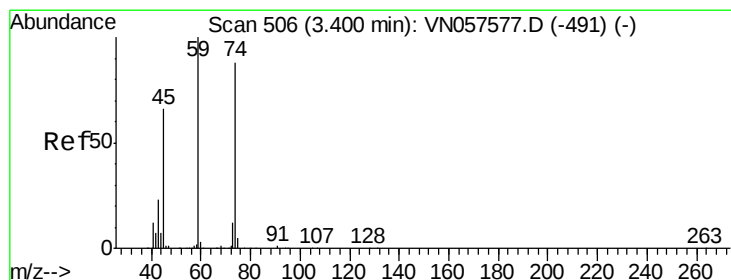
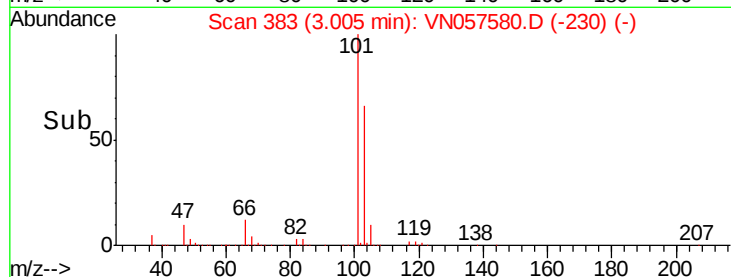
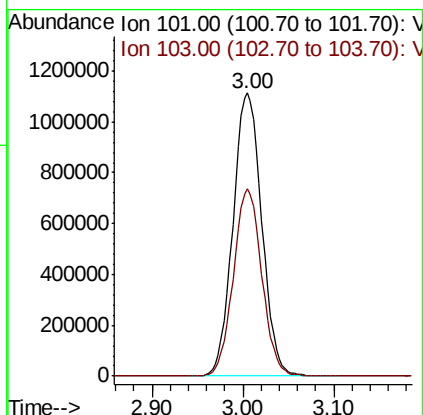
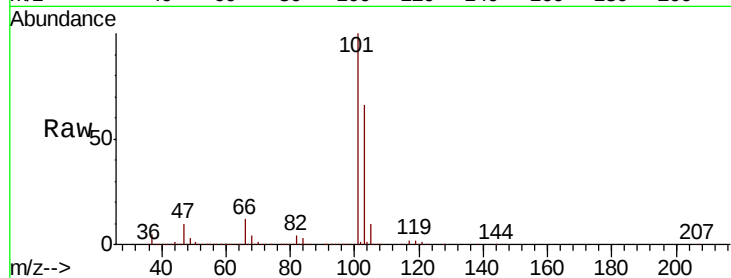


#7

Trichlorofluoromethane
 Concen: 124.410 ug/l
 RT: 3.00 min Scan# 383
 Delta R.T. -0.01 min
 Lab File: VN057580.D
 Acq: 30 Aug 2019 10:49

Instrument :
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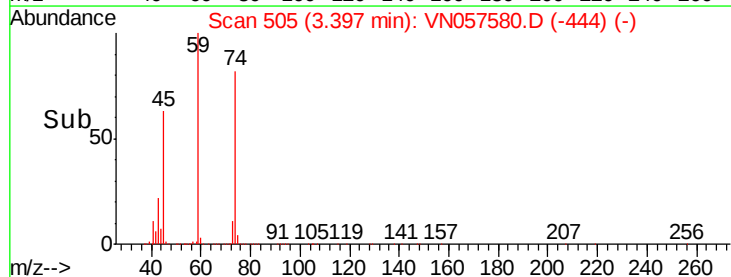
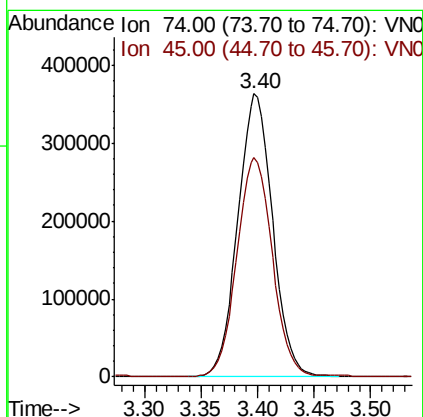
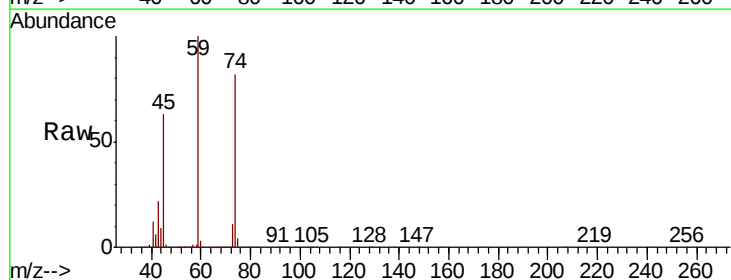
Tgt Ion:101 Resp: 2447362
 Ion Ratio Lower Upper
 101 100
 103 66.0 52.4 78.6

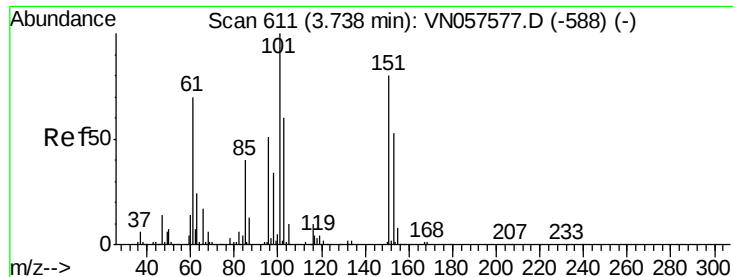


#8

Diethyl Ether
 Concen: 106.646 ug/l
 RT: 3.40 min Scan# 505
 Delta R.T. -0.00 min
 Lab File: VN057580.D
 Acq: 30 Aug 2019 10:49

Tgt Ion: 74 Resp: 779185
 Ion Ratio Lower Upper
 74 100
 45 78.5 15.2 137.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 126.948 ug/l

RT: 3.73 min Scan# 610

Delta R.T. -0.00 min

Lab File: VN057580.D

Acq: 30 Aug 2019 10:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

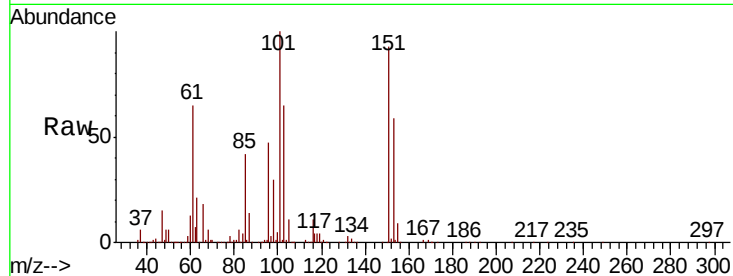
Tgt Ion:101 Resp: 1433892

Ion Ratio Lower Upper

101 100

85 42.8 0.0 83.2

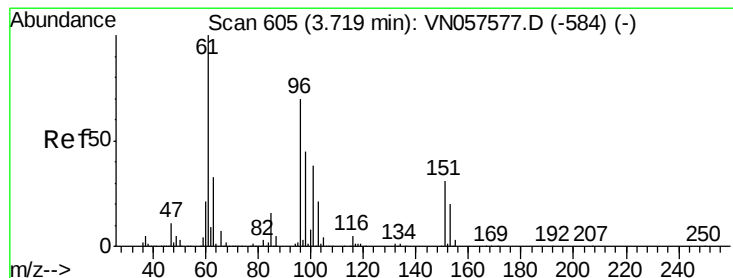
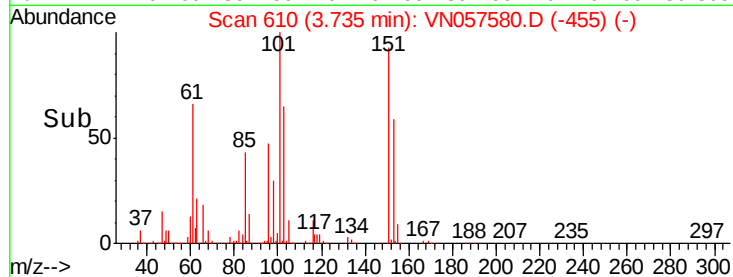
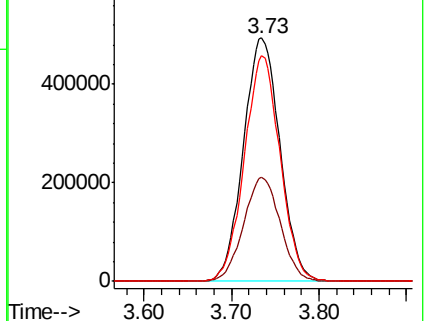
151 90.5 0.0 166.6



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VN

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 123.970 ug/l

RT: 3.71 min Scan# 603

Delta R.T. -0.01 min

Lab File: VN057580.D

Acq: 30 Aug 2019 10:49

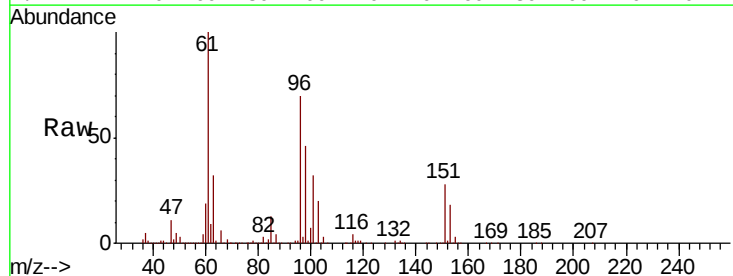
Tgt Ion: 96 Resp: 1332795

Ion Ratio Lower Upper

96 100

61 143.5 114.2 171.4

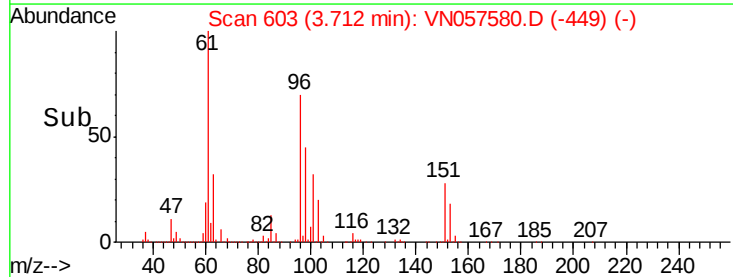
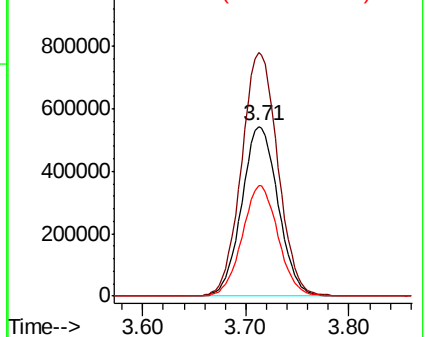
98 65.2 51.8 77.6

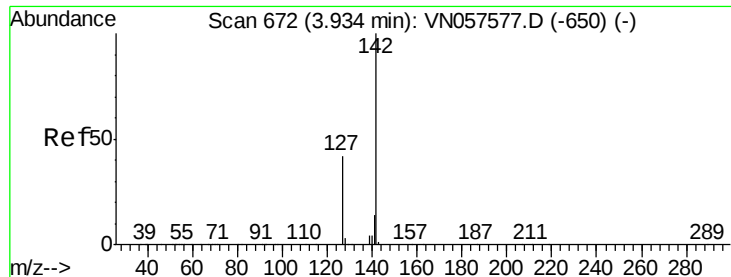


Abundance Ion 96.00 (95.70 to 96.70): VN

Ion 61.00 (60.70 to 61.70): VN

Ion 98.00 (97.70 to 98.70): VN

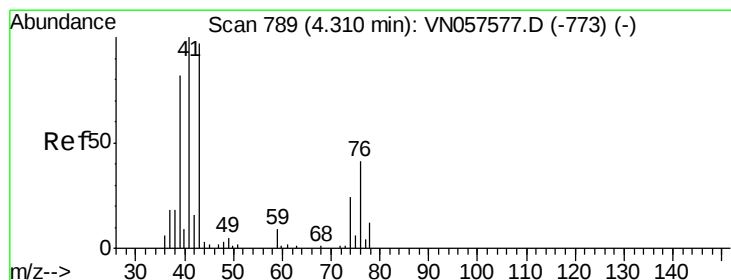
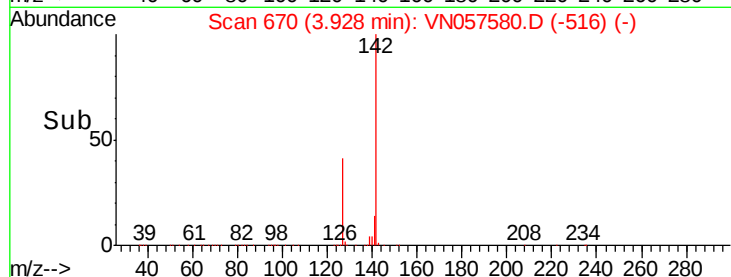
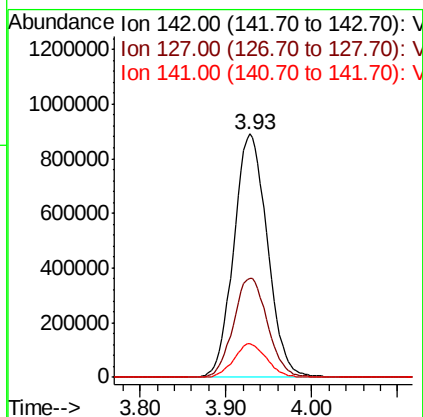
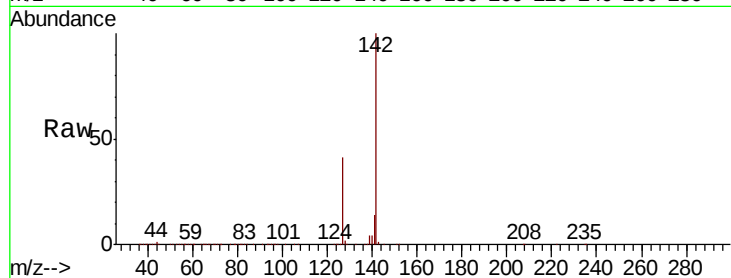




#11
Methyl Iodide
Concen: 203.881 ug/l
RT: 3.93 min Scan# 670
Delta R.T. -0.01 min
Lab File: VN057580.D
Acq: 30 Aug 2019 10:49

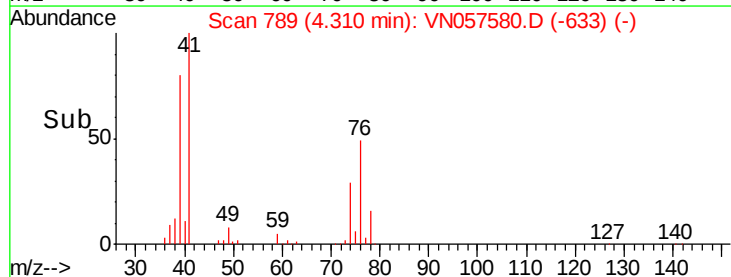
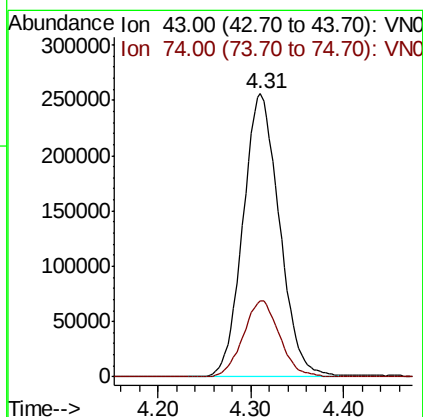
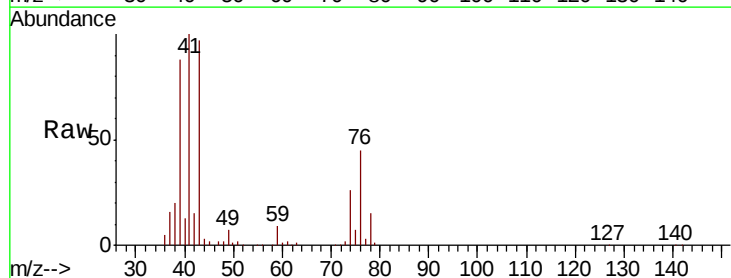
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

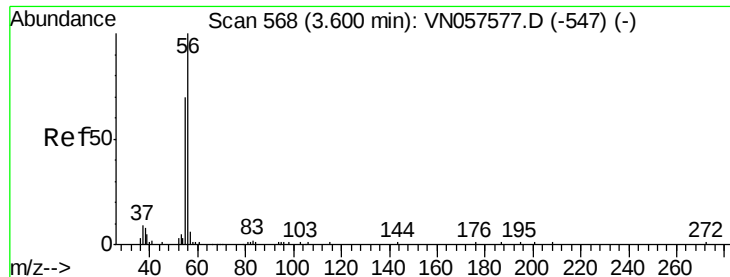
Tgt Ion:142 Resp: 2415190
Ion Ratio Lower Upper
142 100
127 40.8 20.8 62.4
141 13.7 6.8 20.4



#12
Methyl Acetate
Concen: 71.602 ug/l
RT: 4.31 min Scan# 789
Delta R.T. 0.00 min
Lab File: VN057580.D
Acq: 30 Aug 2019 10:49

Tgt Ion: 43 Resp: 697049
Ion Ratio Lower Upper
43 100
74 27.0 19.6 29.4





#13

Acrolein

Concen: 370.577 ug/l

RT: 3.59 min Scan# 566

Delta R.T. -0.01 min

Lab File: VN057580.D

Acq: 30 Aug 2019 10:49

Instrument :

MSVOA_N

ClientSampleId :

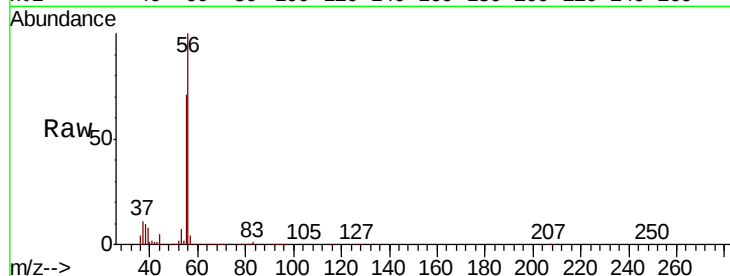
VSTDIC150

Tgt Ion: 56 Resp: 452423

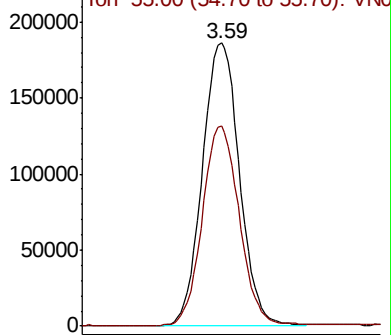
Ion Ratio Lower Upper

56 100

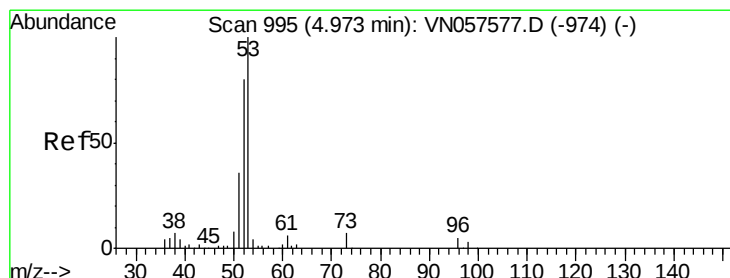
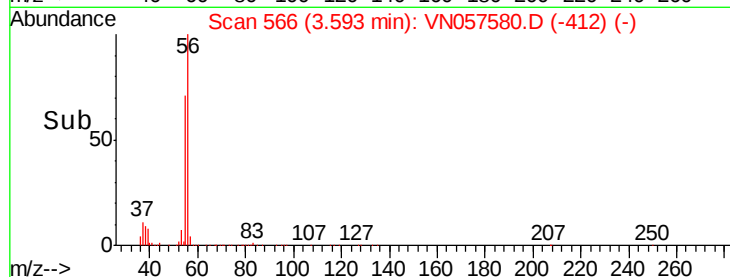
55 69.8 54.5 81.7



Abundance Ion 56.00 (55.70 to 56.70): VN057577.D (-547) (-)



Time-->



#14

Acrylonitrile

Concen: 461.261 ug/l

RT: 4.97 min Scan# 995

Delta R.T. 0.00 min

Lab File: VN057580.D

Acq: 30 Aug 2019 10:49

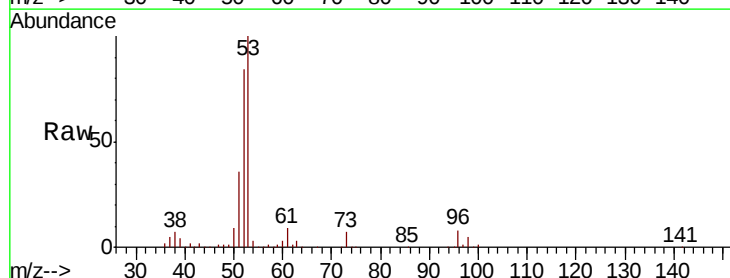
Tgt Ion: 53 Resp: 1581689

Ion Ratio Lower Upper

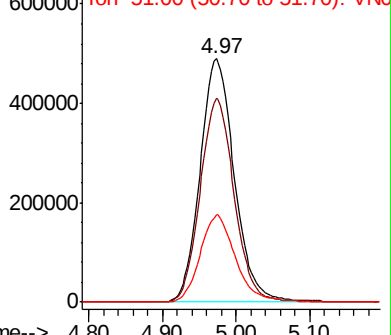
53 100

52 83.1 40.6 122.0

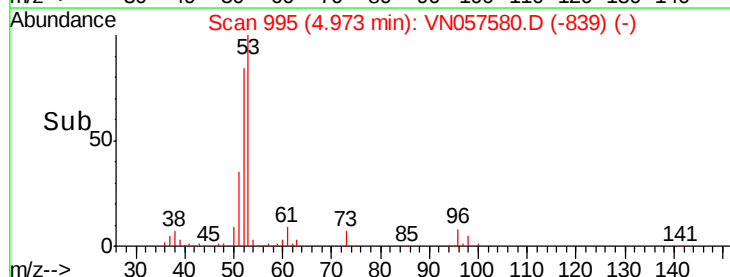
51 36.8 8.3 24.9#

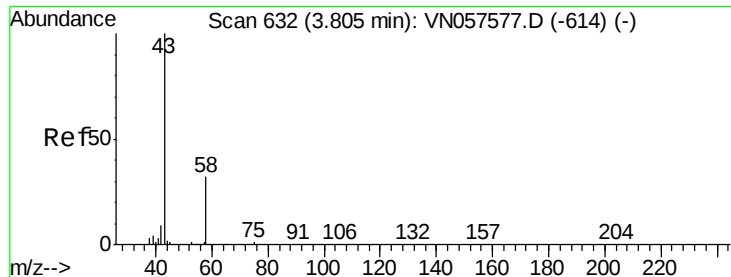


Abundance Ion 53.00 (52.70 to 53.70): VN057577.D (-974) (-)



Time-->





#15

Acetone

Concen: 445.467 ug/l

RT: 3.81 min Scan# 632

Delta R.T. 0.00 min

Lab File: VN057580.D

Acq: 30 Aug 2019 10:49

Instrument :

MSVOA_N

ClientSampleId :

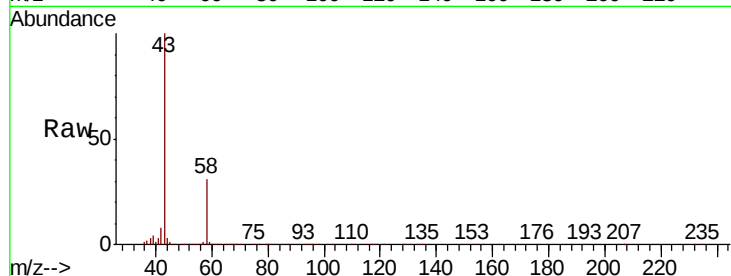
VSTDIC150

Tgt Ion: 58 Resp: 721398

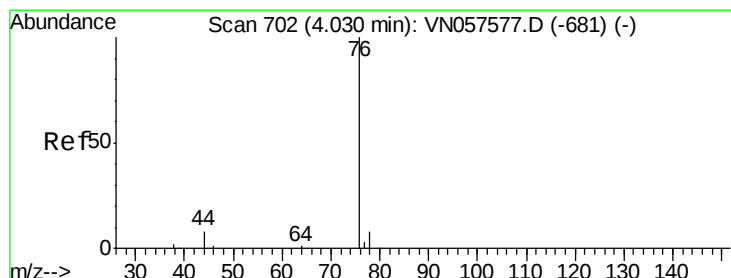
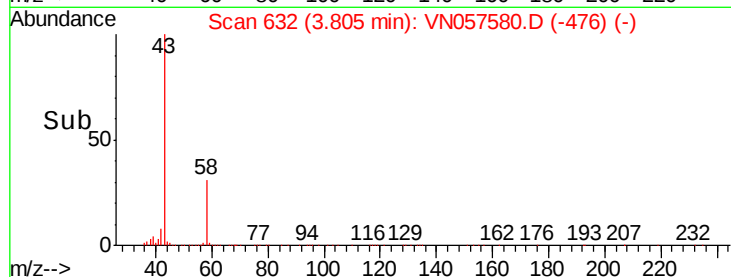
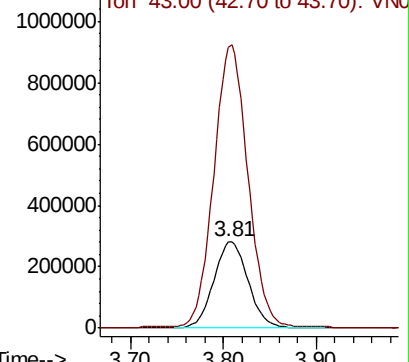
Ion Ratio Lower Upper

58 100

43 323.9 252.8 379.2



Abundance Ion 58.00 (57.70 to 58.70): VN057577.D (-614) (-)



#16

Carbon Disulfide

Concen: 92.373 ug/l

RT: 4.03 min Scan# 701

Delta R.T. -0.00 min

Lab File: VN057580.D

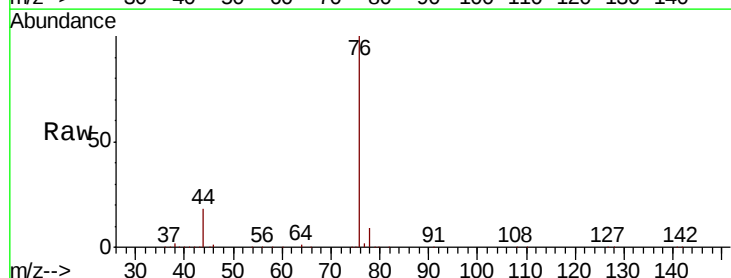
Acq: 30 Aug 2019 10:49

Tgt Ion: 76 Resp: 1602227

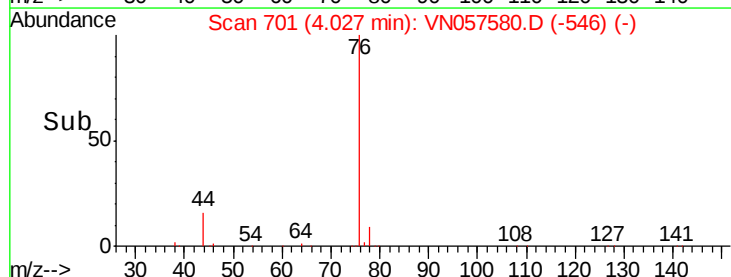
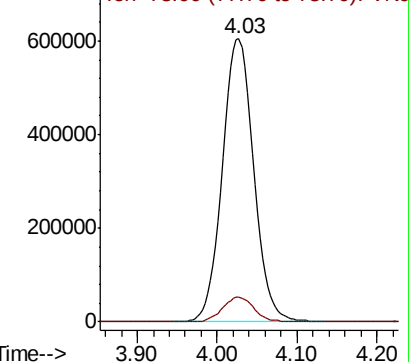
Ion Ratio Lower Upper

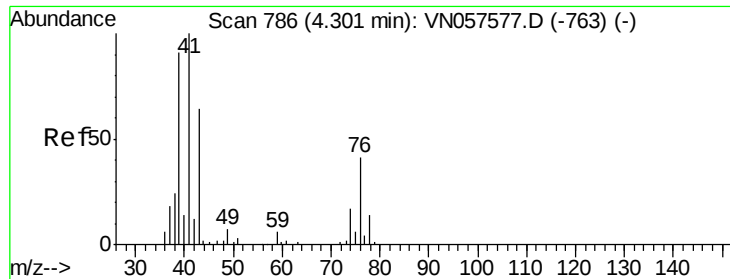
76 100

78 8.7 6.7 10.1



Abundance Ion 76.00 (75.70 to 76.70): VN057577.D (-681) (-)

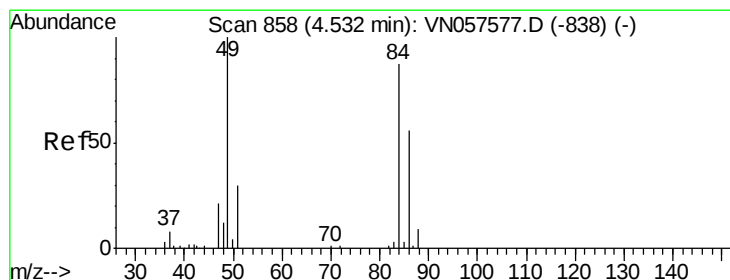
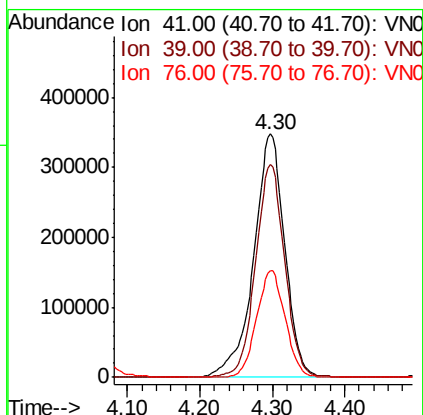
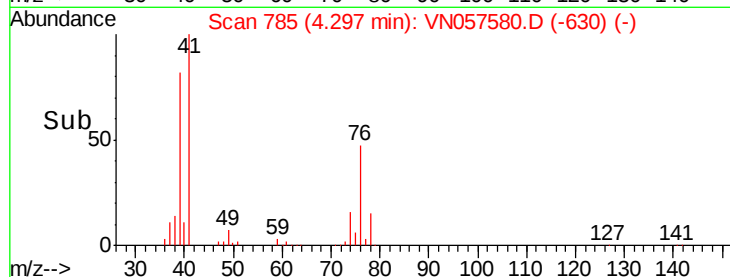
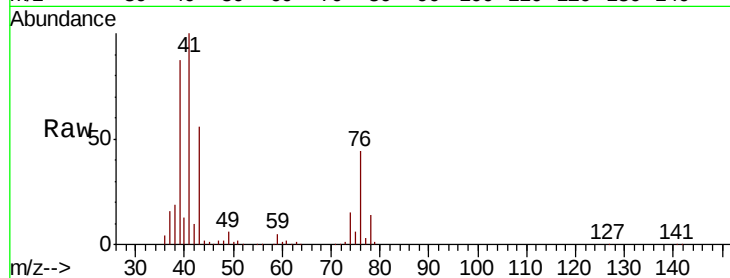




#17
 Allyl chloride
 Concen: 79.002 ug/l
 RT: 4.30 min Scan# 785
 Delta R.T. -0.00 min
 Lab File: VN057580.D
 Acq: 30 Aug 2019 10:49

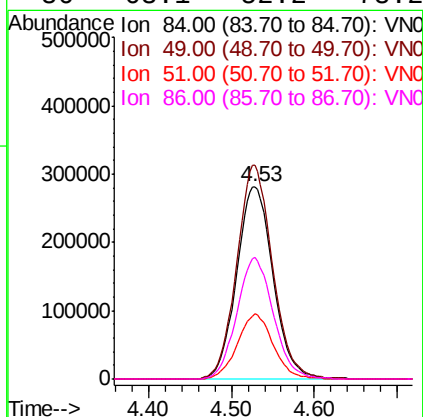
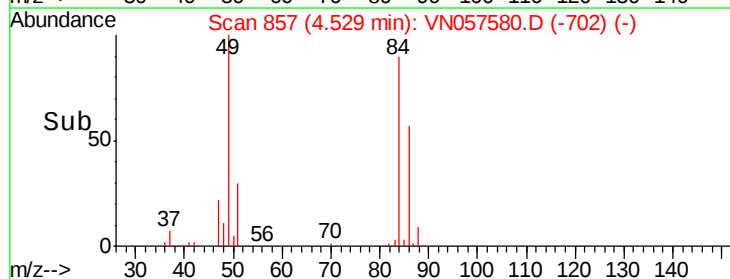
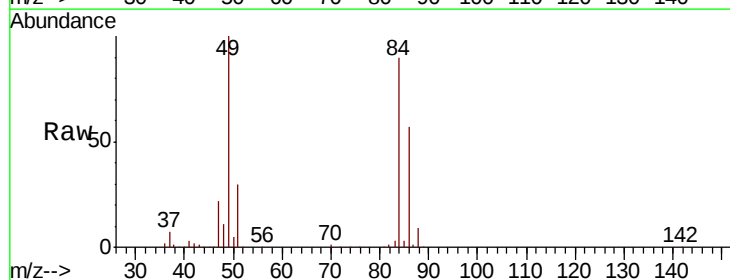
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

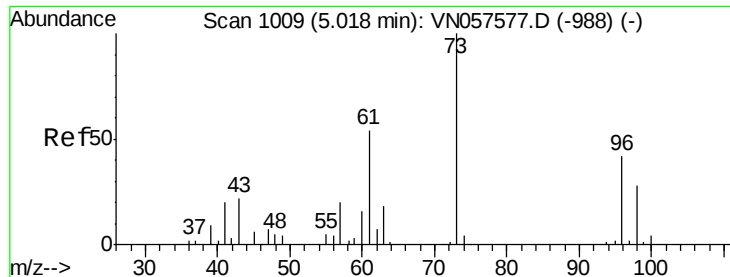
Tgt Ion: 41 Resp: 1035680
 Ion Ratio Lower Upper
 41 100
 39 87.5 44.6 134.0
 76 43.9 19.8 59.3



#18
 Methylene Chloride
 Concen: 115.050 ug/l
 RT: 4.53 min Scan# 857
 Delta R.T. -0.00 min
 Lab File: VN057580.D
 Acq: 30 Aug 2019 10:49

Tgt Ion: 84 Resp: 859617
 Ion Ratio Lower Upper
 84 100
 49 110.9 92.4 138.6
 51 33.7 27.9 41.9
 86 63.1 52.2 78.2

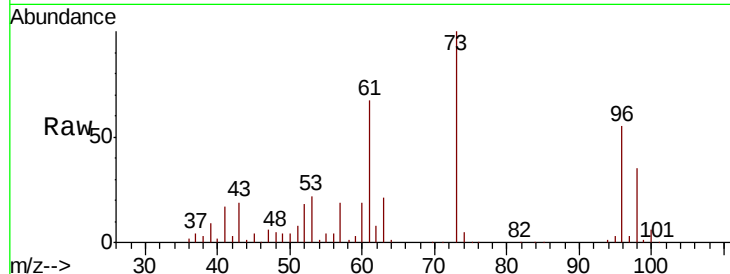




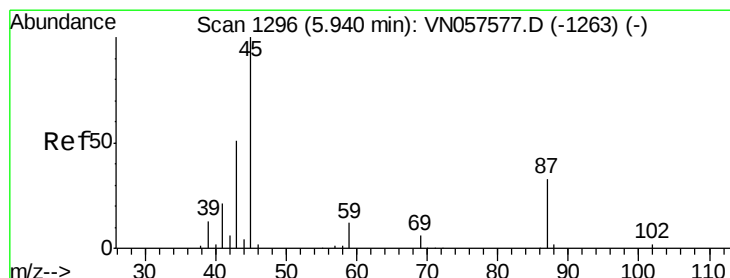
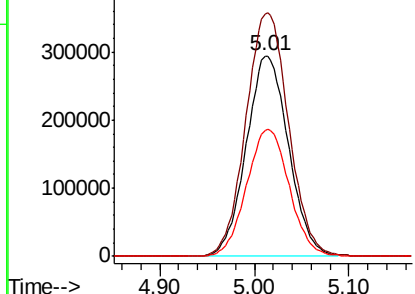
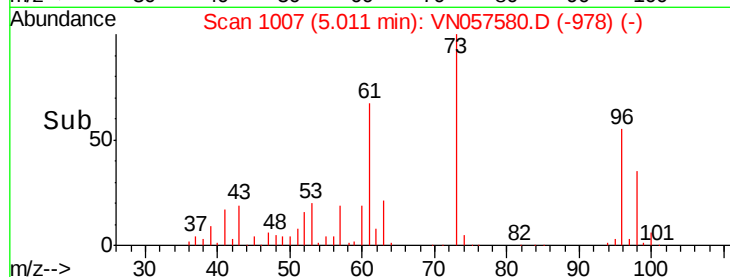
#19
trans-1,2-Dichloroethene
Concen: 128.548 ug/l
RT: 5.01 min Scan# 1007
Delta R.T. -0.01 min
Lab File: VN057580.D
Acq: 30 Aug 2019 10:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tgt Ion: 96 Resp: 914393
Ion Ratio Lower Upper
96 100
61 121.2 102.6 153.8
98 62.8 52.6 79.0

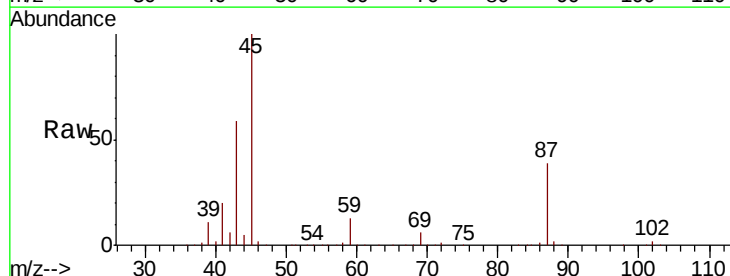


Abundance Ion 96.00 (95.70 to 96.70): VN0
Ion 61.00 (60.70 to 61.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

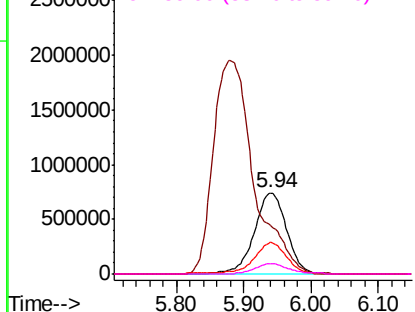
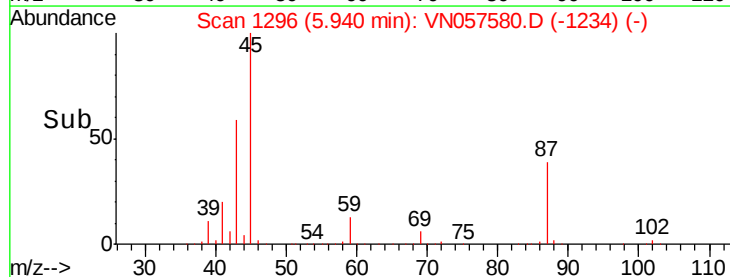


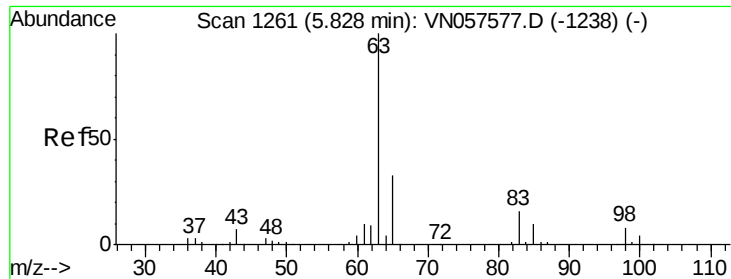
#20
Diisopropyl ether
Concen: 87.269 ug/l
RT: 5.94 min Scan# 1296
Delta R.T. 0.00 min
Lab File: VN057580.D
Acq: 30 Aug 2019 10:49

Tgt Ion: 45 Resp: 2471620
Ion Ratio Lower Upper
45 100
43 58.7 51.9 77.9
87 39.0 27.3 40.9
59 12.6 9.6 14.4



Abundance Ion 45.00 (44.70 to 45.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 87.00 (86.70 to 87.70): VN0
Ion 59.00 (58.70 to 59.70): VN0

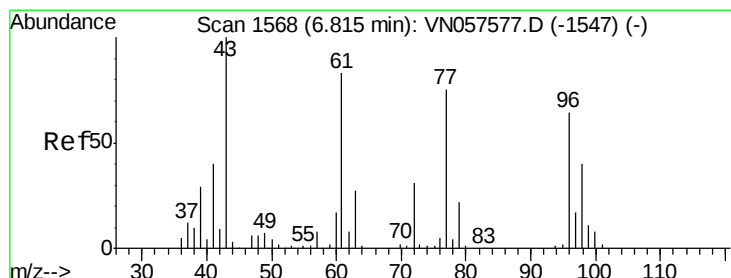
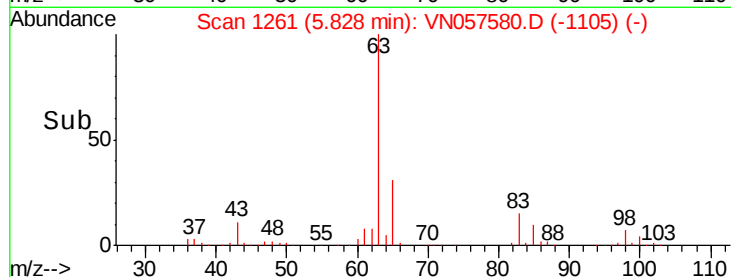
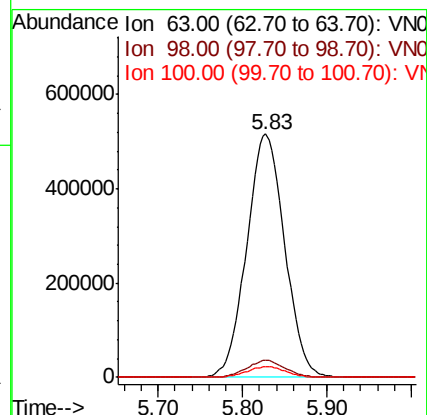
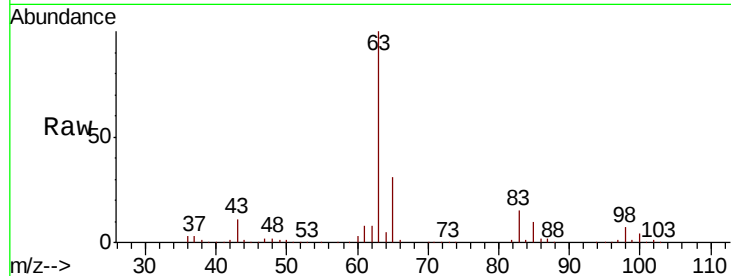




#21
 1,1-Dichloroethane
 Concen: 106.883 ug/l
 RT: 5.83 min Scan# 1261
 Delta R.T. 0.00 min
 Lab File: VN057580.D
 Acq: 30 Aug 2019 10:49

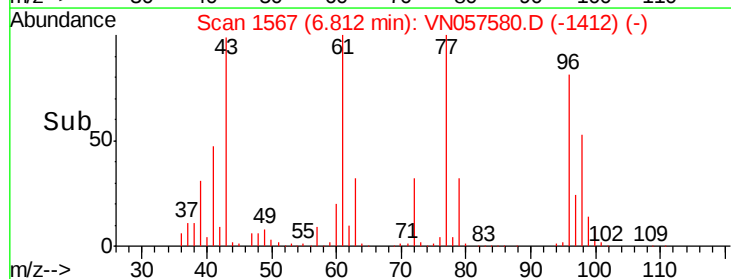
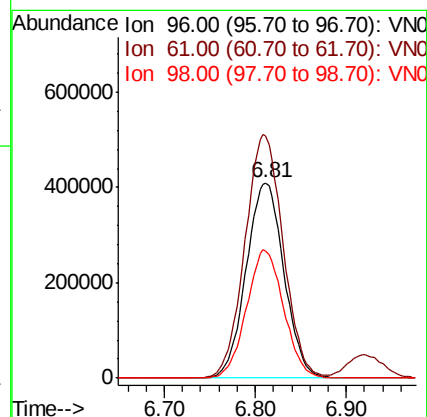
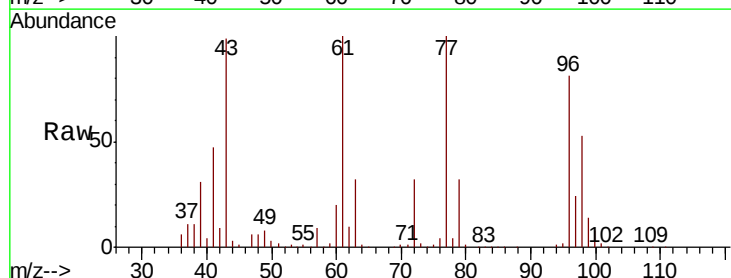
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

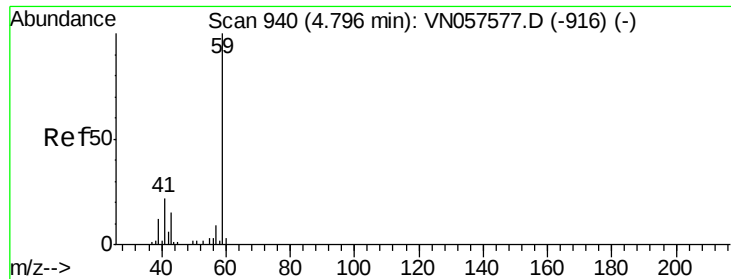
Tgt Ion: 63 Resp: 1613153
 Ion Ratio Lower Upper
 63 100
 98 7.2 3.8 11.2
 100 4.5 2.0 6.0



#22
 cis-1,2-Dichloroethene
 Concen: 135.977 ug/l
 RT: 6.81 min Scan# 1567
 Delta R.T. -0.00 min
 Lab File: VN057580.D
 Acq: 30 Aug 2019 10:49

Tgt Ion: 96 Resp: 1183160
 Ion Ratio Lower Upper
 96 100
 61 125.8 110.5 165.7
 98 64.3 51.1 76.7



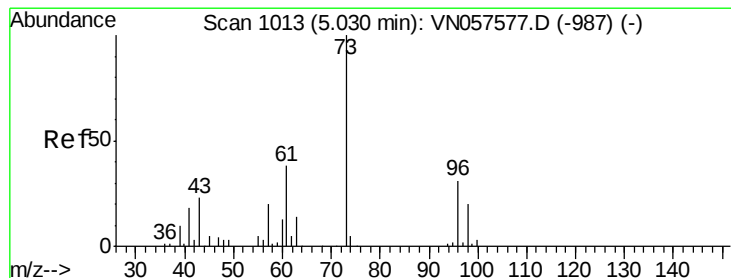
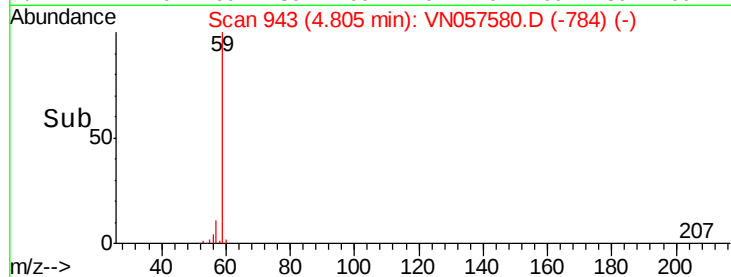
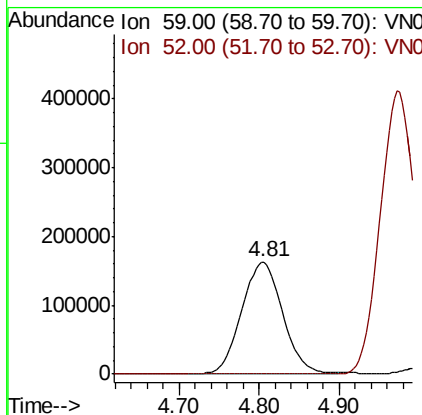
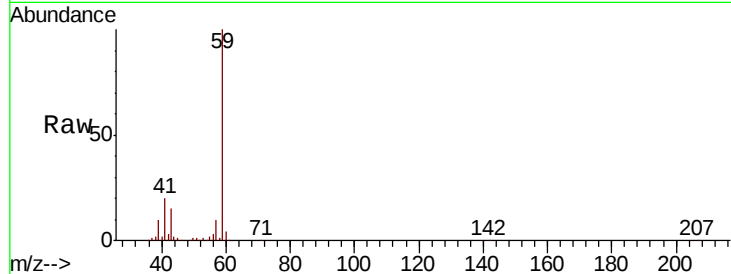


#23

tert-Butyl Alcohol
 Concen: 453.821 ug/l
 RT: 4.81 min Scan# 943
 Delta R.T. 0.01 min
 Lab File: VN057580.D
 Acq: 30 Aug 2019 10:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

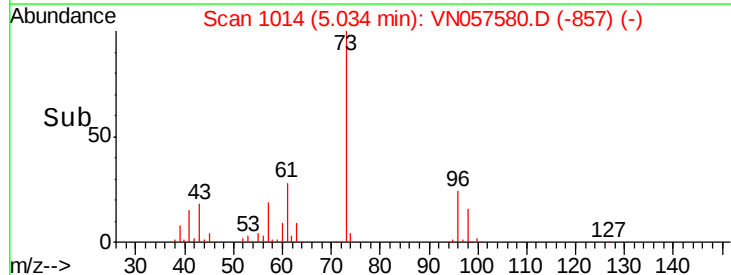
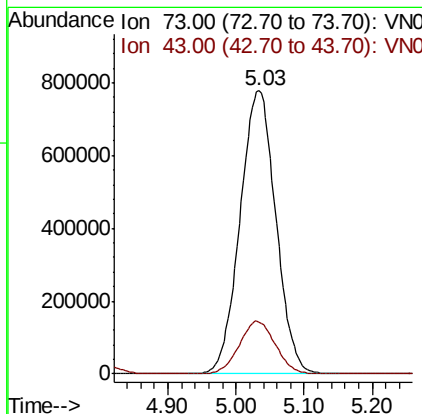
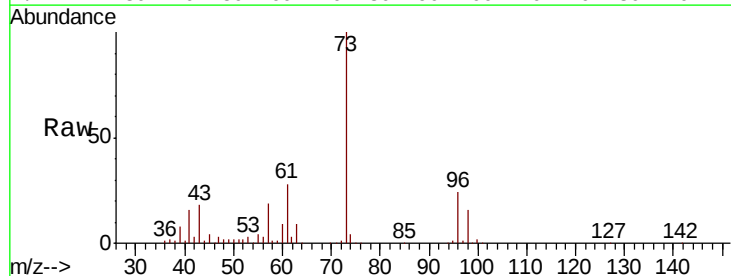
Tgt Ion: 59 Resp: 568713
 Ion Ratio Lower Upper
 59 100
 52 0.0 0.1 0.1#

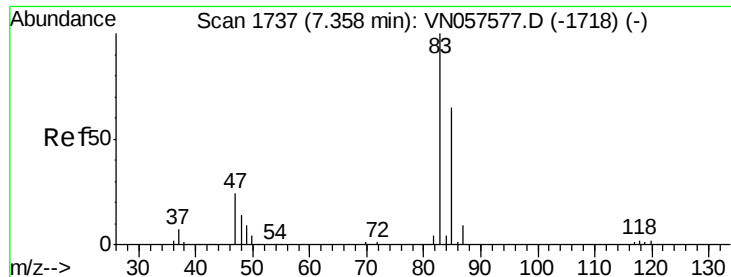


#24

Methyl tert-Butyl Ether
 Concen: 120.489 ug/l
 RT: 5.03 min Scan# 1014
 Delta R.T. 0.00 min
 Lab File: VN057580.D
 Acq: 30 Aug 2019 10:49

Tgt Ion: 73 Resp: 2834320
 Ion Ratio Lower Upper
 73 100
 43 18.6 18.4 27.6

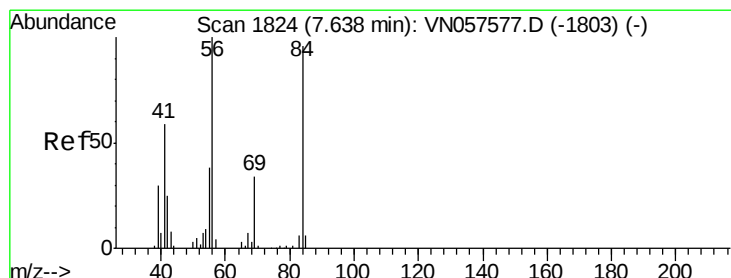
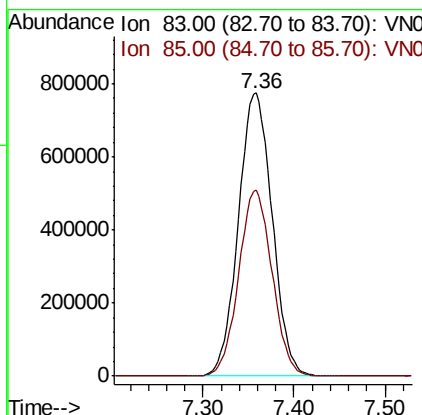
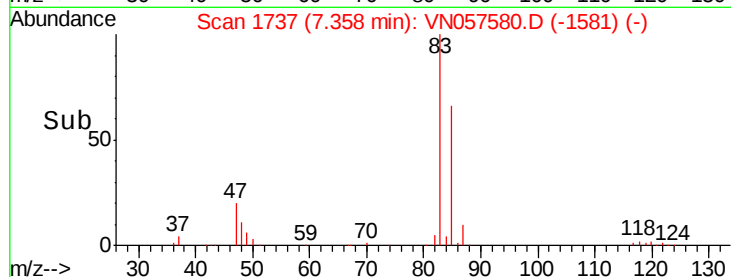
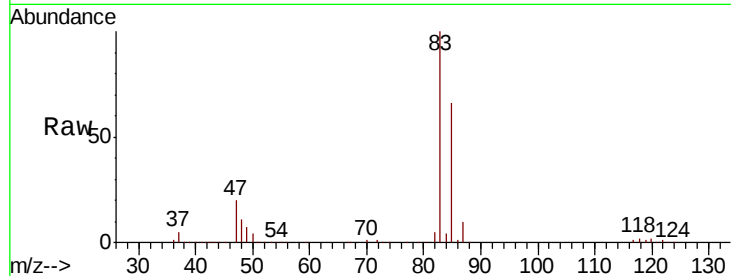




#25
Chloroform
Concen: 129.311 ug/l
RT: 7.36 min Scan# 1737
Delta R.T. 0.00 min
Lab File: VN057580.D
Acq: 30 Aug 2019 10:49

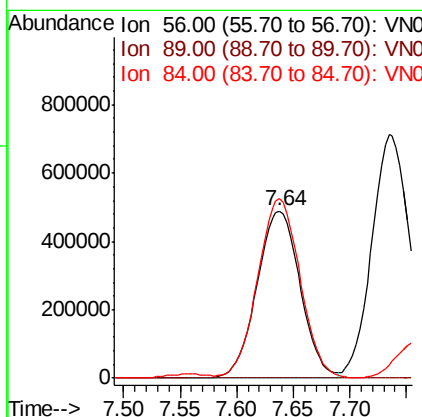
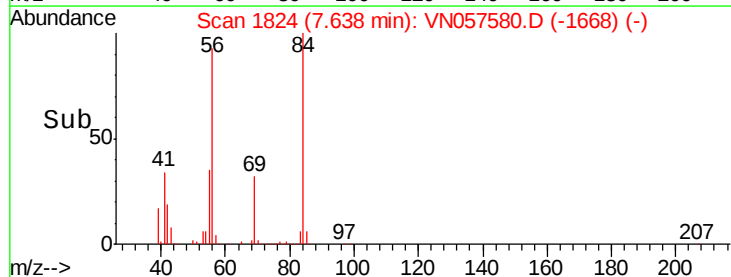
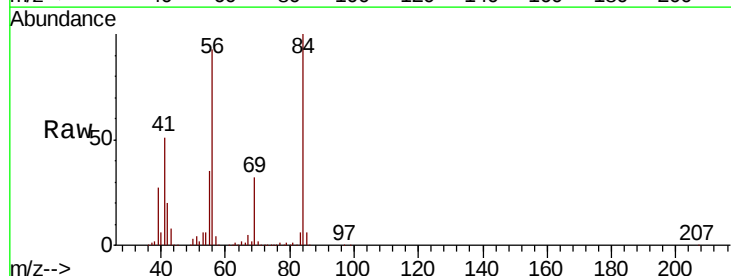
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

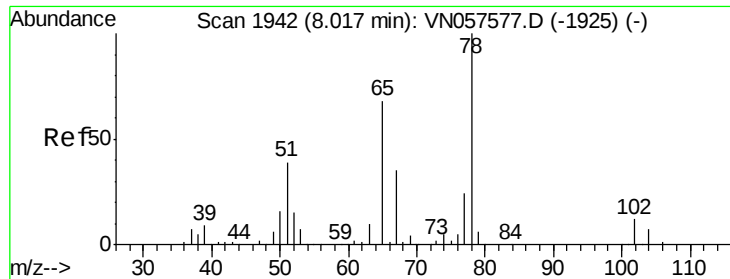
Tgt Ion: 83 Resp: 2003231
Ion Ratio Lower Upper
83 100
85 65.5 51.8 77.6



#26
Cyclohexane
Concen: 96.835 ug/l
RT: 7.64 min Scan# 1824
Delta R.T. 0.00 min
Lab File: VN057580.D
Acq: 30 Aug 2019 10:49

Tgt Ion: 56 Resp: 1295164
Ion Ratio Lower Upper
56 100
89 0.0 0.0 0.0#
84 105.8 75.9 113.9





#27

1,2-Dichloroethane-d4

Concen: 21.713 ug/l

RT: 8.02 min Scan# 1942

Delta R.T. 0.00 min

Lab File: VN057580.D

Acq: 30 Aug 2019 10:49

Instrument :

MSVOA_N

ClientSampleId :

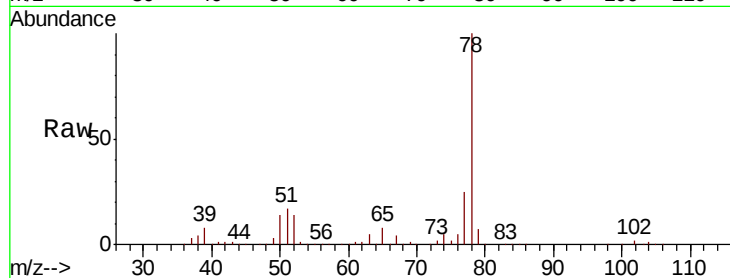
VSTDIC150

Tgt Ion: 65 Resp: 246115

Ion Ratio Lower Upper

65 100

67 51.1 39.8 59.6



Abundance Ion 65.00 (64.70 to 65.70): VN057577.D (-1925) (-)

Ion 67.00 (66.70 to 67.70): VN057577.D (-1925) (-)

8.02

100000

80000

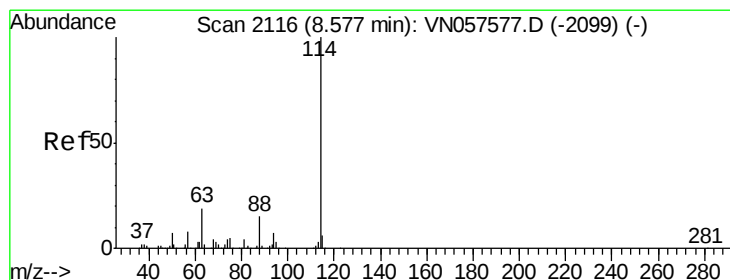
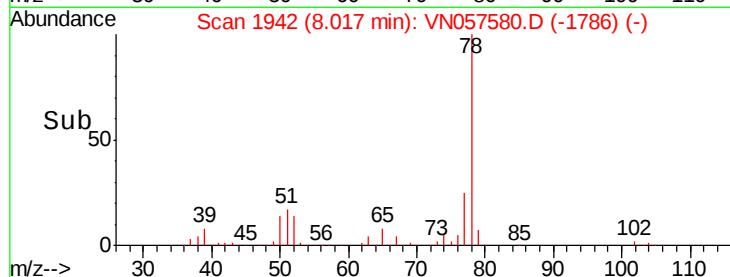
60000

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: VN057580.D

Acq: 30 Aug 2019 10:49

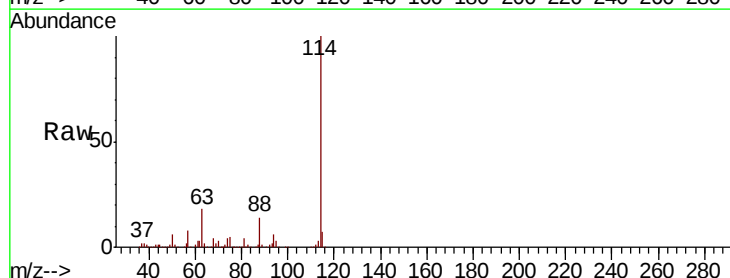
Tgt Ion: 114 Resp: 697337

Ion Ratio Lower Upper

114 100

63 17.2 15.4 23.0

88 14.5 11.8 17.8



Abundance Ion 114.00 (113.70 to 114.70): VN057577.D (-2099) (-)

Ion 63.00 (62.70 to 63.70): VN057577.D (-2099) (-)

Ion 88.00 (87.70 to 88.70): VN057577.D (-2099) (-)

8.58

400000

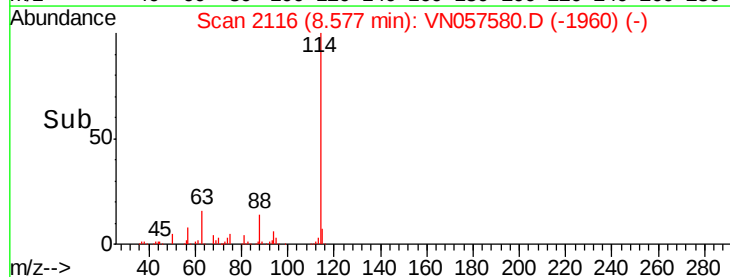
300000

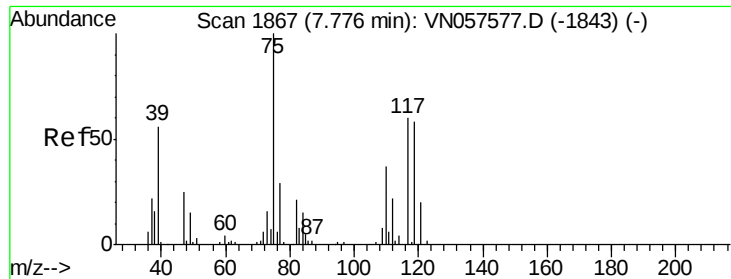
200000

100000

0

Time-->

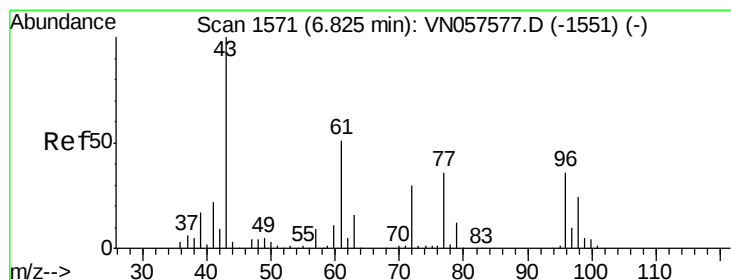
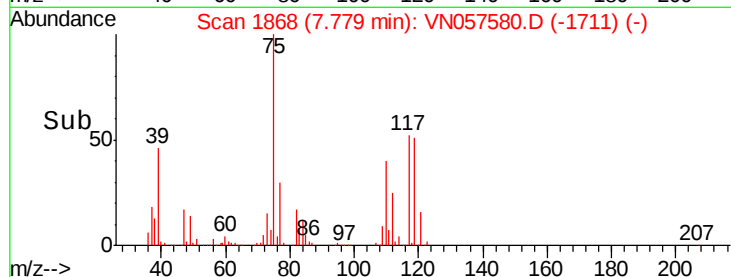
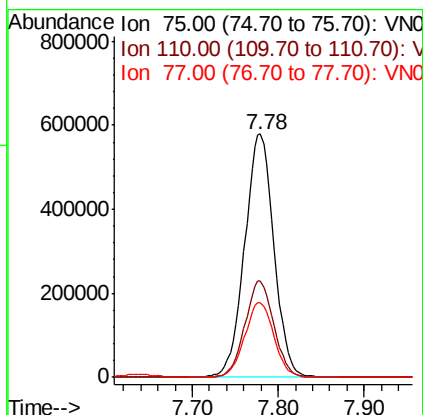
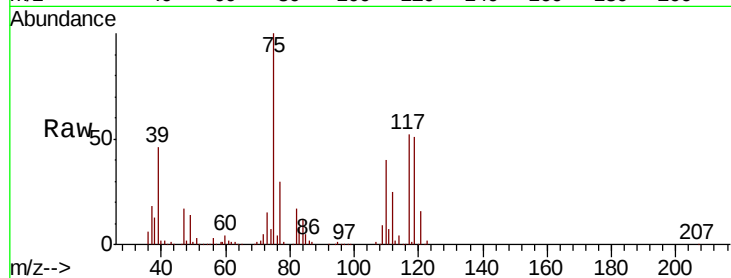




#29
 1,1-Dichloropropene
 Concen: 119.468 ug/l
 RT: 7.78 min Scan# 1868
 Delta R.T. 0.00 min
 Lab File: VN057580.D
 Acq: 30 Aug 2019 10:49

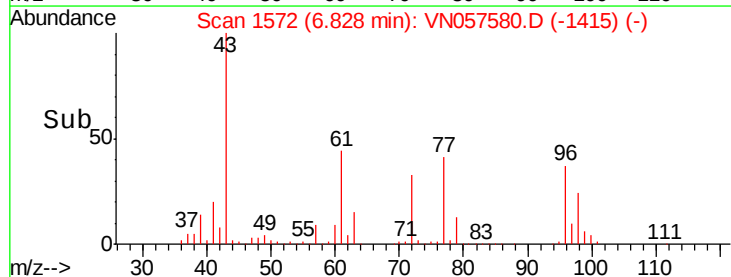
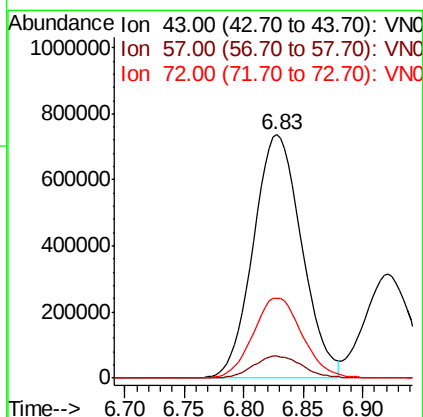
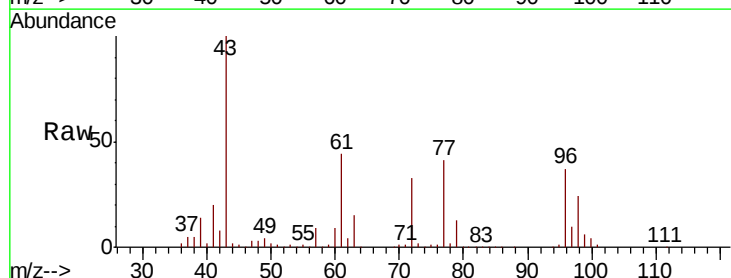
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

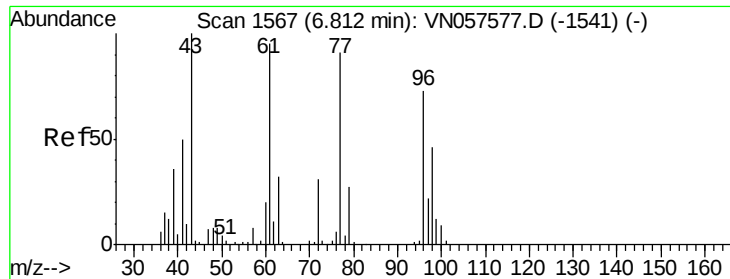
Tgt Ion: 75 Resp: 1371741
 Ion Ratio Lower Upper
 75 100
 110 39.0 0.0 75.4
 77 30.9 0.0 61.0



#30
 2-Butanone
 Concen: 397.751 ug/l
 RT: 6.83 min Scan# 1572
 Delta R.T. 0.00 min
 Lab File: VN057580.D
 Acq: 30 Aug 2019 10:49

Tgt Ion: 43 Resp: 2072689
 Ion Ratio Lower Upper
 43 100
 57 9.2 3.5 5.3#
 72 33.7 24.6 36.8





#31

2,2-Dichloropropane

Concen: 126.406 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. -0.01 min

Lab File: VN057580.D

Acq: 30 Aug 2019 10:49

Instrument :

MSVOA_N

ClientSampleId :

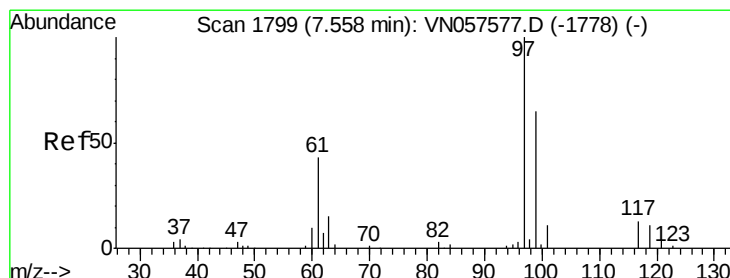
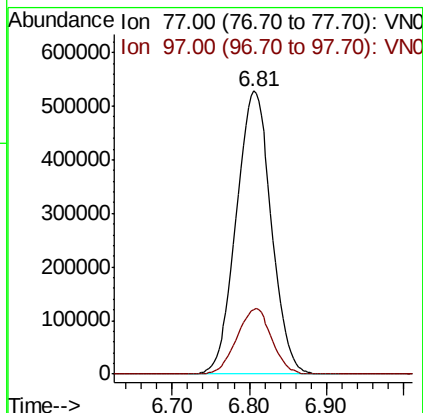
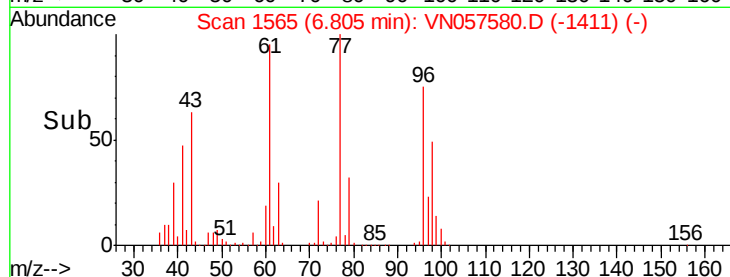
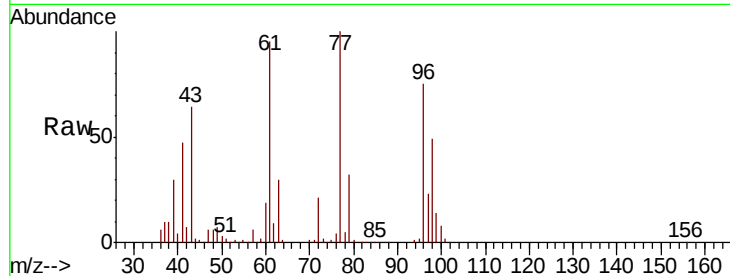
VSTDIC150

Tgt Ion: 77 Resp: 1661988

Ion Ratio Lower Upper

77 100

97 23.0 18.9 28.3



#32

1,1,1-Trichloroethane

Concen: 139.576 ug/l

RT: 7.55 min Scan# 1798

Delta R.T. -0.00 min

Lab File: VN057580.D

Acq: 30 Aug 2019 10:49

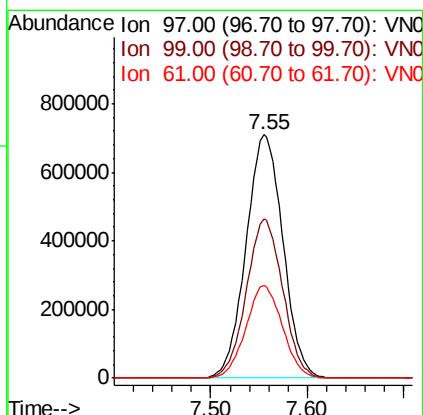
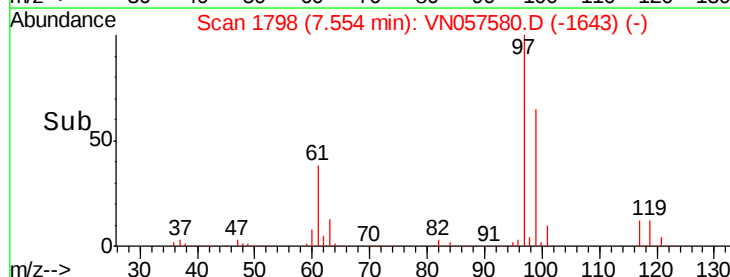
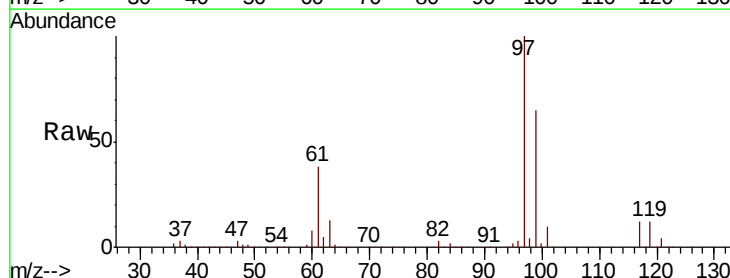
Tgt Ion: 97 Resp: 1877771

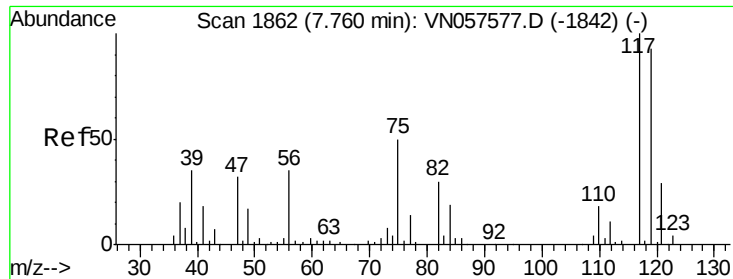
Ion Ratio Lower Upper

97 100

99 64.6 51.1 76.7

61 37.9 34.4 51.6

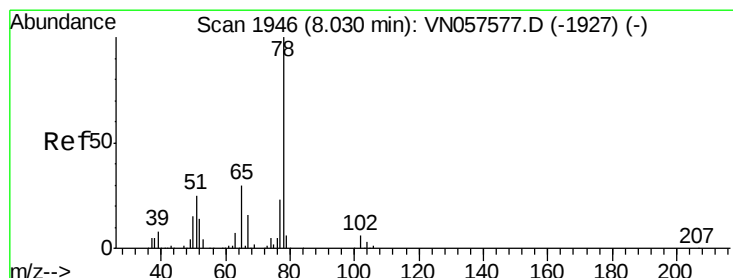
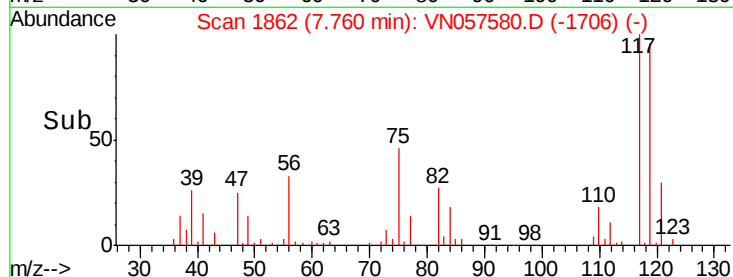
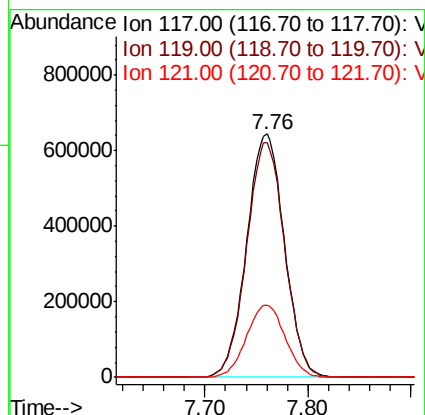
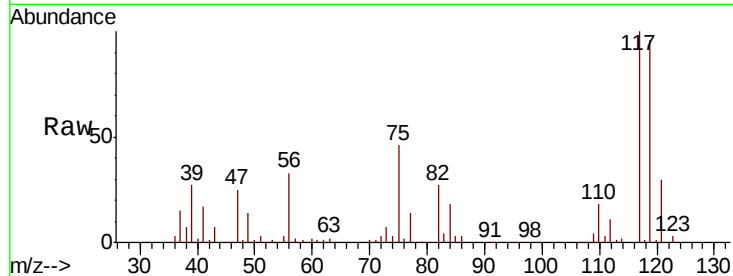




#33
Carbon Tetrachloride
Concen: 146.379 ug/l
RT: 7.76 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VN057580.D
Acq: 30 Aug 2019 10:49

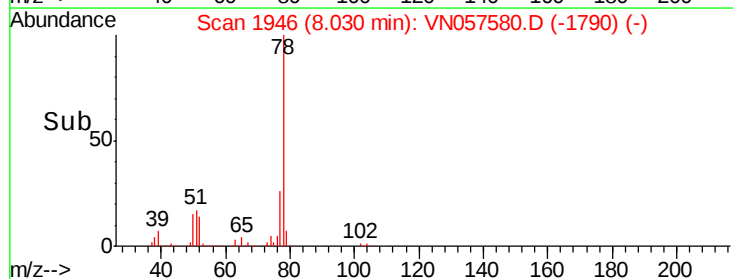
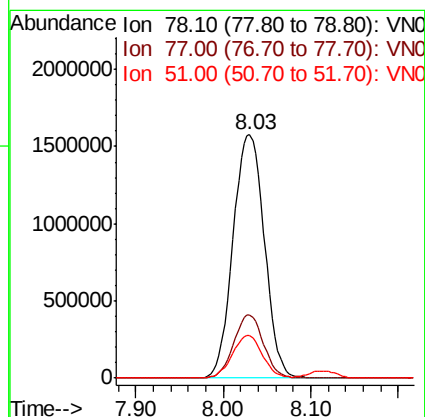
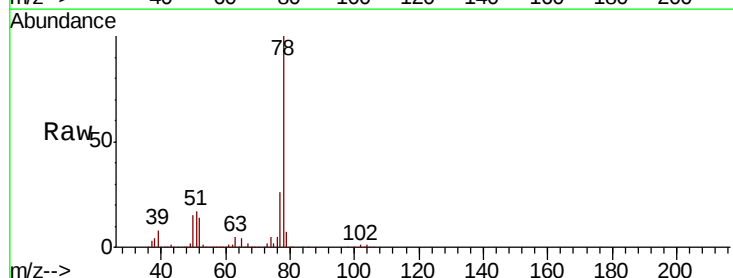
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

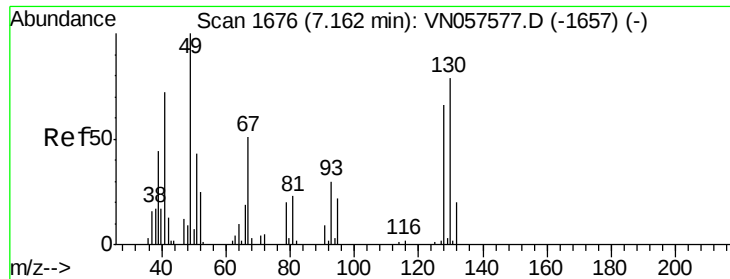
Tgt Ion:117 Resp: 1638932
Ion Ratio Lower Upper
117 100
119 96.2 74.6 111.8
121 29.6 23.5 35.3



#34
Benzene
Concen: 116.329 ug/l
RT: 8.03 min Scan# 1946
Delta R.T. 0.00 min
Lab File: VN057580.D
Acq: 30 Aug 2019 10:49

Tgt Ion: 78 Resp: 3931663
Ion Ratio Lower Upper
78 100
77 25.9 18.2 27.4
51 17.3 20.2 30.4#

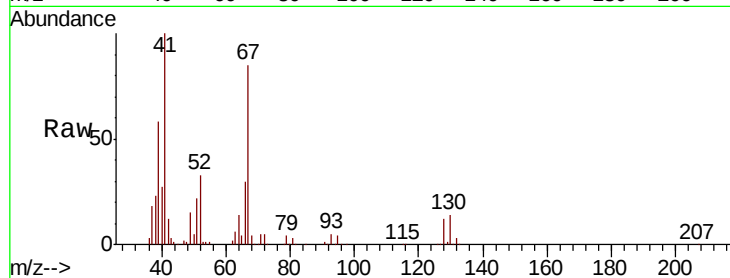




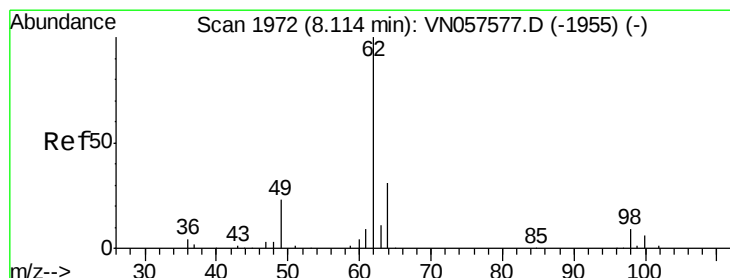
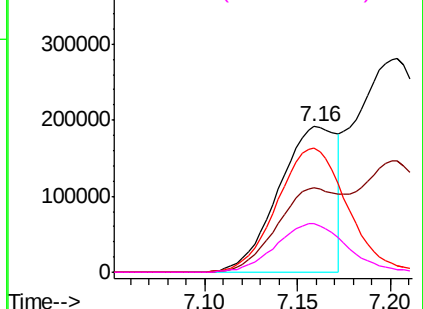
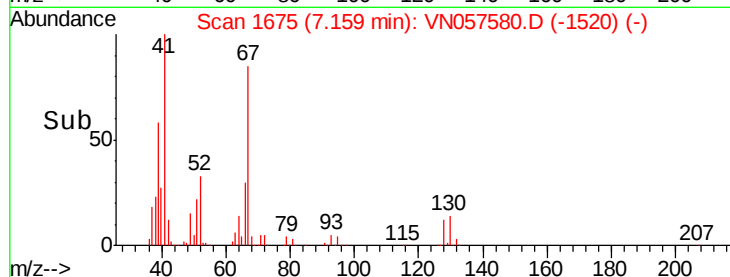
#35
Methacrylonitrile
Concen: 80.490 ug/l
RT: 7.16 min Scan# 1675
Delta R.T. -0.00 min
Lab File: VN057580.D
Acq: 30 Aug 2019 10:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tgt Ion: 41 Resp: 417519
Ion Ratio Lower Upper
41 100
39 57.6 30.4 91.2
67 85.4 35.6 106.8
52 32.9 17.2 51.5

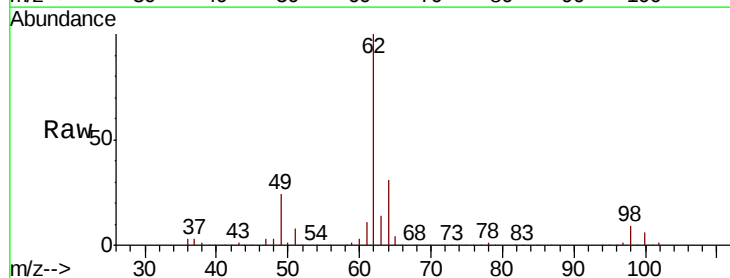


Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 67.00 (66.70 to 67.70): VNO
Ion 52.00 (51.70 to 52.70): VNO

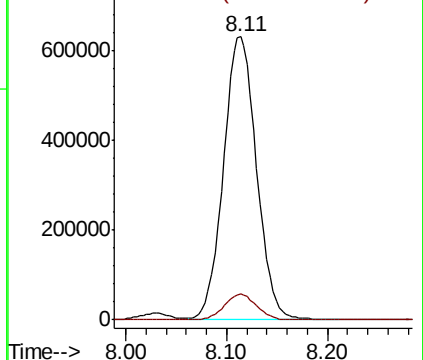
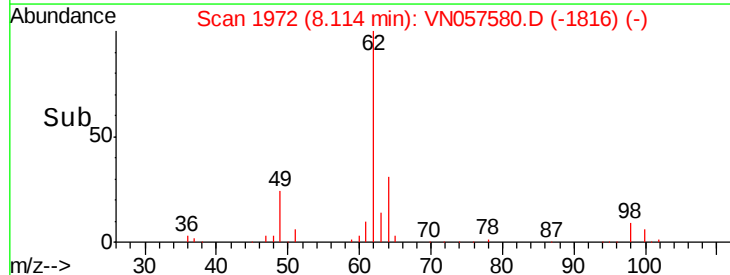


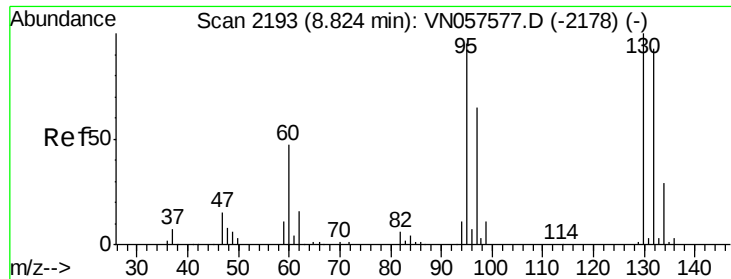
#36
1,2-Dichloroethane
Concen: 108.368 ug/l
RT: 8.11 min Scan# 1972
Delta R.T. 0.00 min
Lab File: VN057580.D
Acq: 30 Aug 2019 10:49

Tgt Ion: 62 Resp: 1432925
Ion Ratio Lower Upper
62 100
98 8.9 6.8 10.2



Abundance Ion 62.00 (61.70 to 62.70): VNO
Ion 98.00 (97.70 to 98.70): VNO

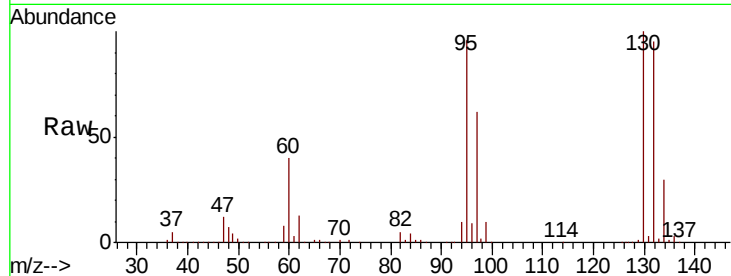




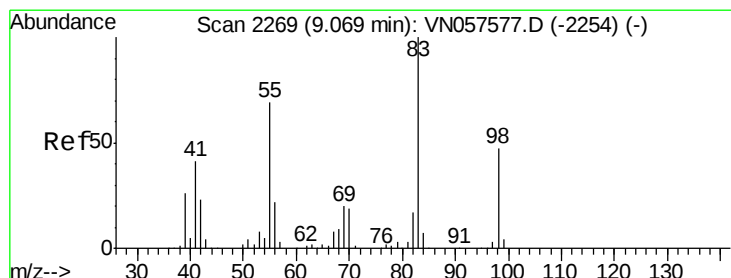
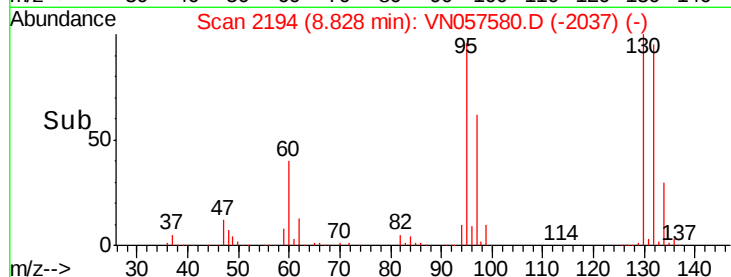
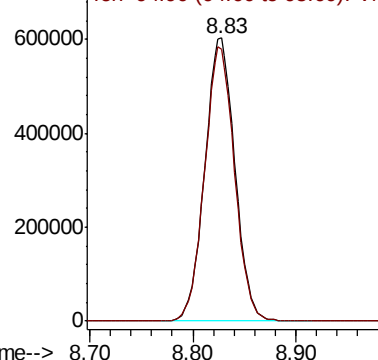
#37
 Trichloroethene
 Concen: 152.236 ug/l
 RT: 8.83 min Scan# 2194
 Delta R.T. 0.00 min
 Lab File: VN057580.D
 Acq: 30 Aug 2019 10:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tgt Ion:130 Resp: 1222075
 Ion Ratio Lower Upper
 130 100
 95 95.8 76.2 114.2

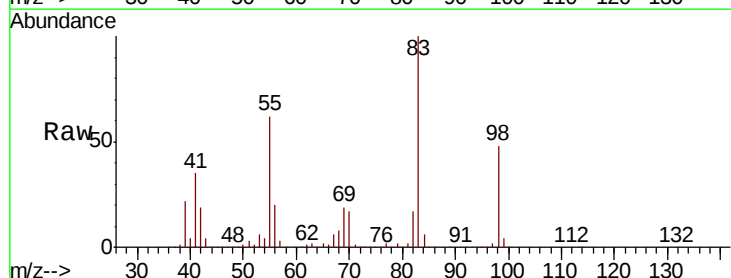


Abundance Ion 129.90 (129.60 to 130.60): V
 Ion 94.90 (94.60 to 95.60): VN

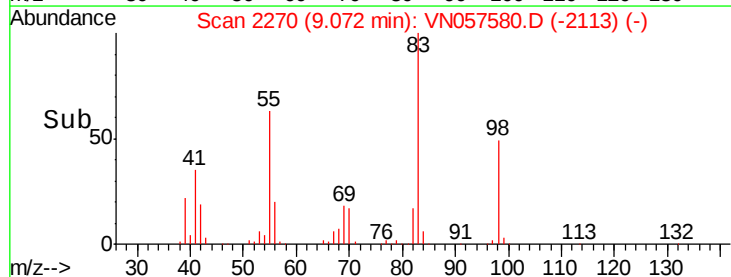
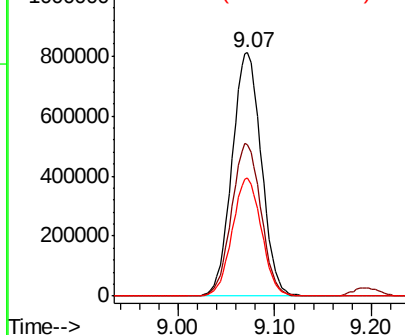


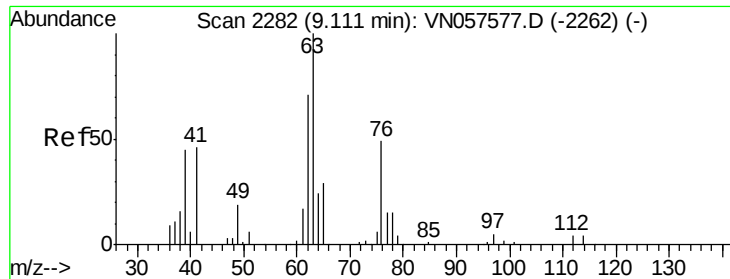
#38
 Methylcyclohexane
 Concen: 130.061 ug/l
 RT: 9.07 min Scan# 2270
 Delta R.T. 0.00 min
 Lab File: VN057580.D
 Acq: 30 Aug 2019 10:49

Tgt Ion: 83 Resp: 1706211
 Ion Ratio Lower Upper
 83 100
 55 63.0 34.5 103.6
 98 48.4 23.4 70.3



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

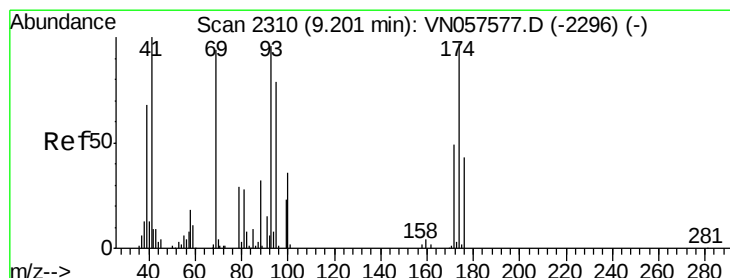
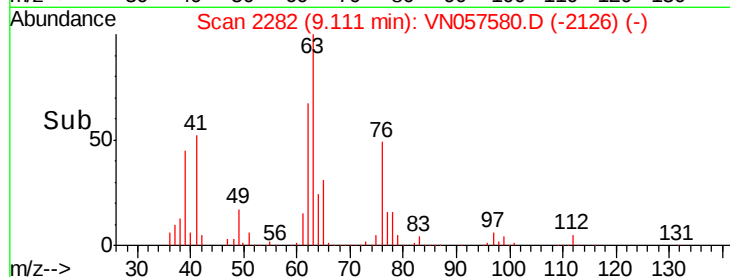
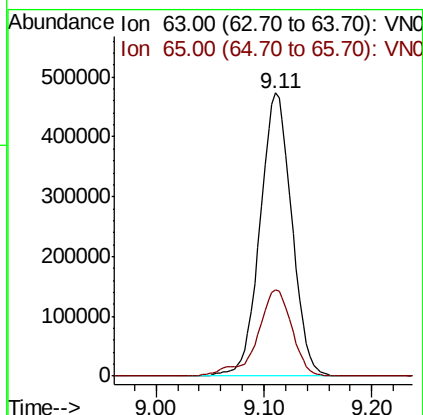
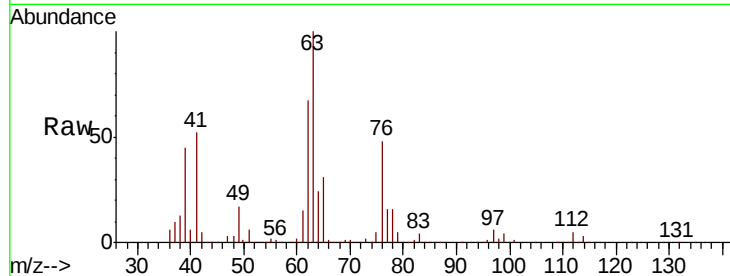




#39
 1,2-Dichloropropane
 Concen: 102.984 ug/l
 RT: 9.11 min Scan# 2282
 Delta R.T. 0.00 min
 Lab File: VN057580.D
 Acq: 30 Aug 2019 10:49

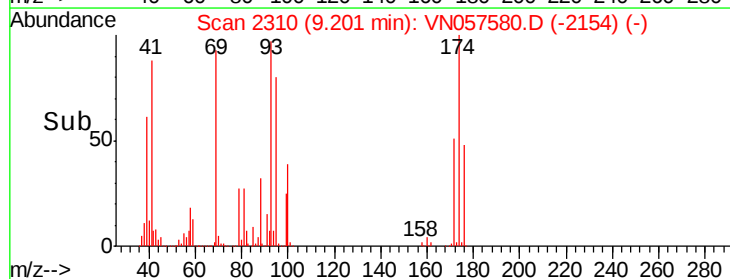
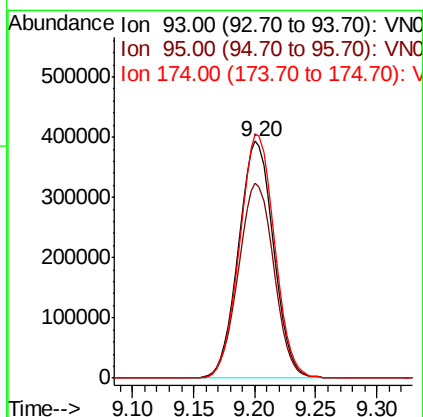
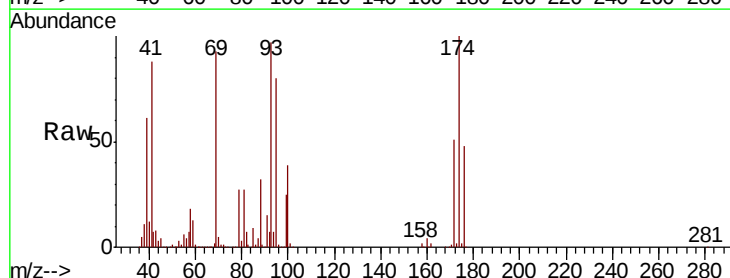
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC150

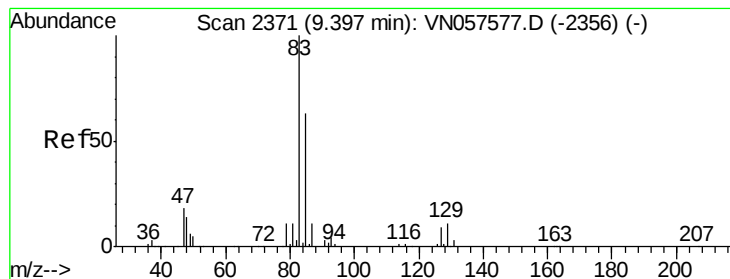
Tgt Ion: 63 Resp: 964794
 Ion Ratio Lower Upper
 63 100
 65 30.6 24.2 36.2



#40
 Dibromomethane
 Concen: 130.575 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN057580.D
 Acq: 30 Aug 2019 10:49

Tgt Ion: 93 Resp: 779197
 Ion Ratio Lower Upper
 93 100
 95 83.3 0.0 162.8
 174 102.8 0.0 199.2





#41

Bromodichloromethane

Concen: 131.001 ug/l

RT: 9.40 min Scan# 2371

Delta R.T. 0.00 min

Lab File: VN057580.D

Acq: 30 Aug 2019 10:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

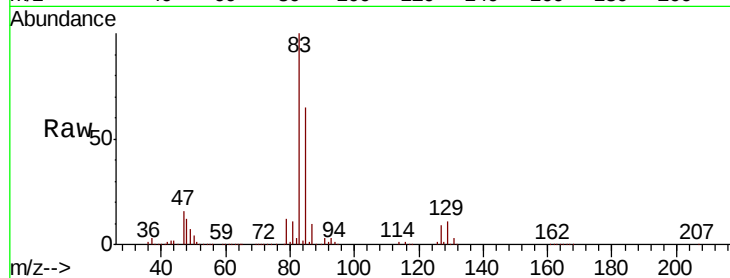
Tgt Ion: 83 Resp: 1651229

Ion Ratio Lower Upper

83 100

85 64.6 50.3 75.5

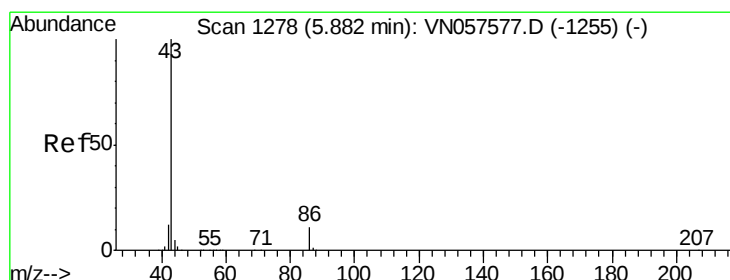
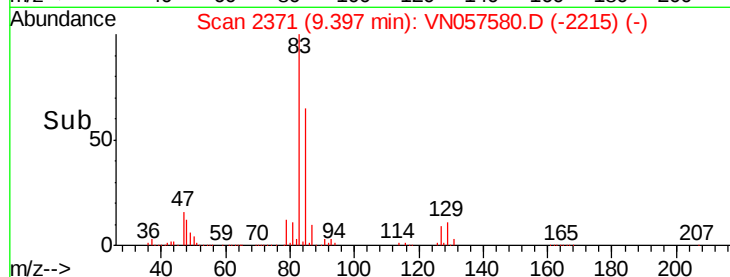
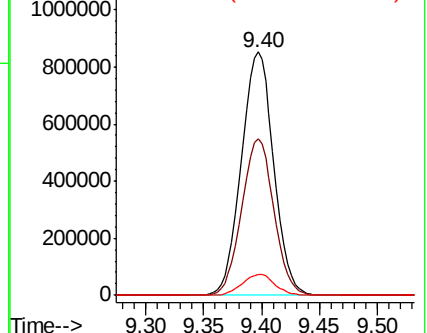
127 8.8 7.4 11.2



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: 346.154 ug/l

RT: 5.88 min Scan# 1277

Delta R.T. -0.00 min

Lab File: VN057580.D

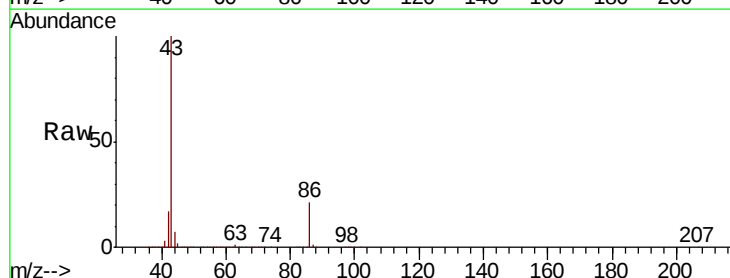
Acq: 30 Aug 2019 10:49

Tgt Ion: 43 Resp: 8140284

Ion Ratio Lower Upper

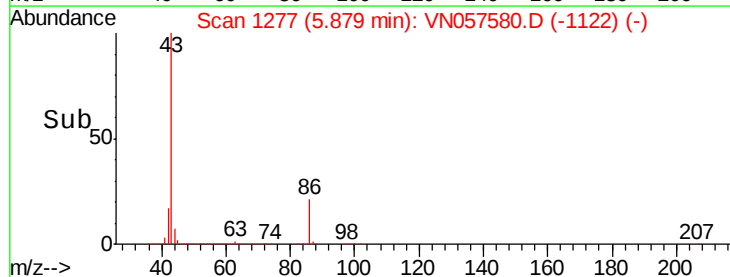
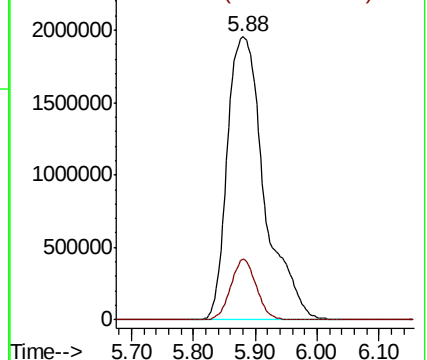
43 100

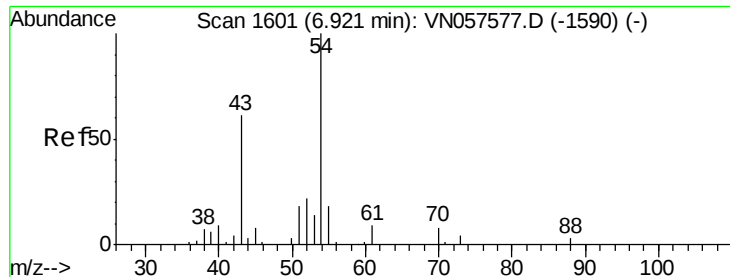
86 14.8 8.1 12.1#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

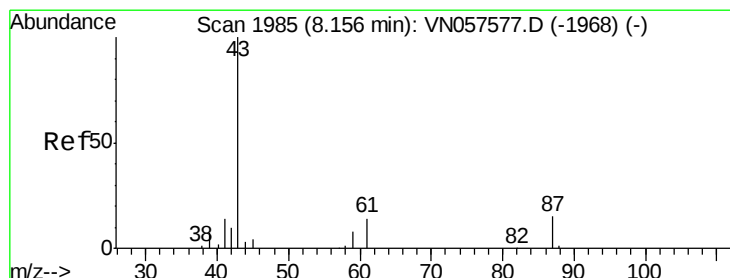
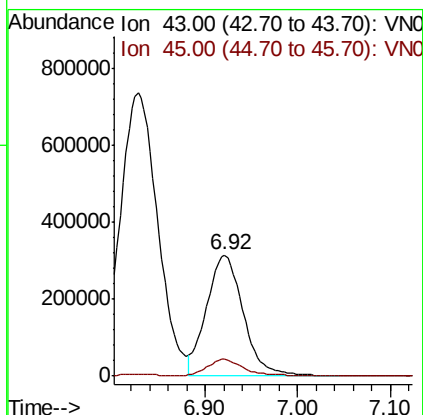
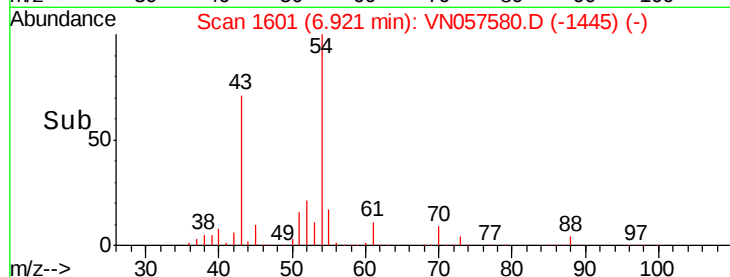
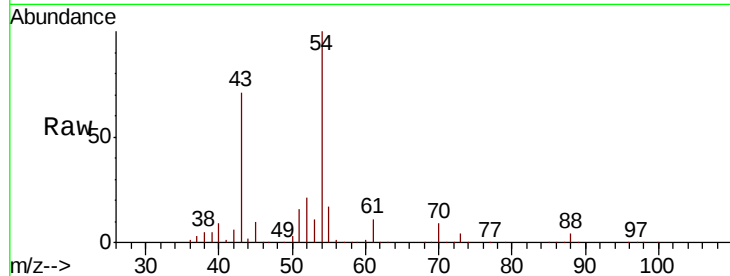




#43
 Ethyl Acetate
 Concen: 84.015 ug/l
 RT: 6.92 min Scan# 1601
 Delta R.T. 0.00 min
 Lab File: VN057580.D
 Acq: 30 Aug 2019 10:49

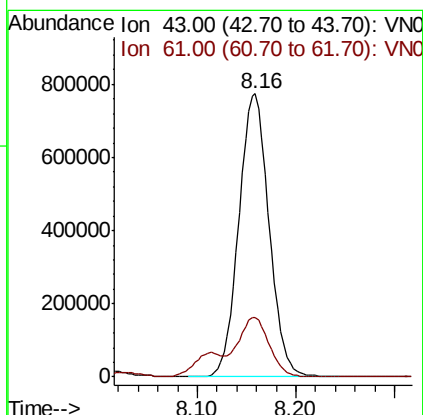
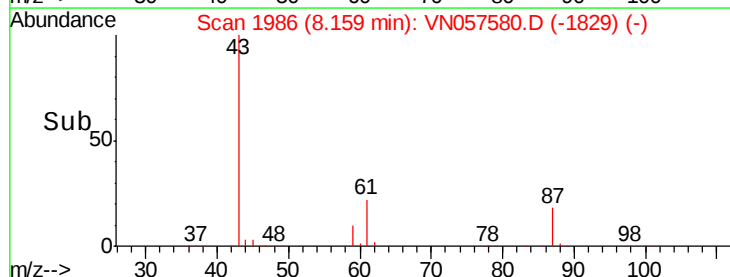
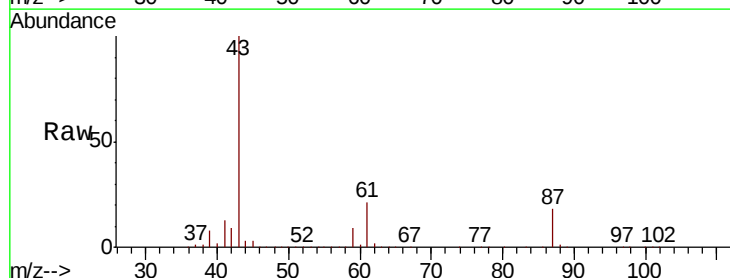
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

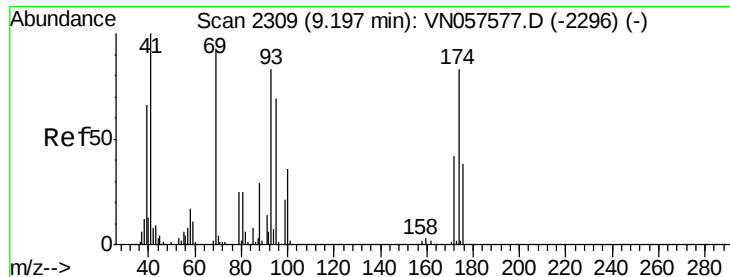
Tgt Ion: 43 Resp: 855796
 Ion Ratio Lower Upper
 43 100
 45 13.7 9.9 14.9



#44
 Isopropyl Acetate
 Concen: 83.783 ug/l
 RT: 8.16 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VN057580.D
 Acq: 30 Aug 2019 10:49

Tgt Ion: 43 Resp: 1636720
 Ion Ratio Lower Upper
 43 100
 61 21.5 16.0 24.0

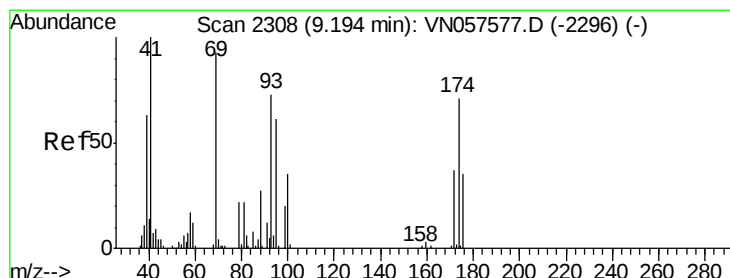
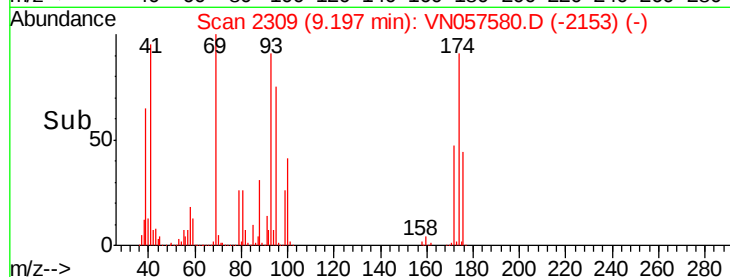
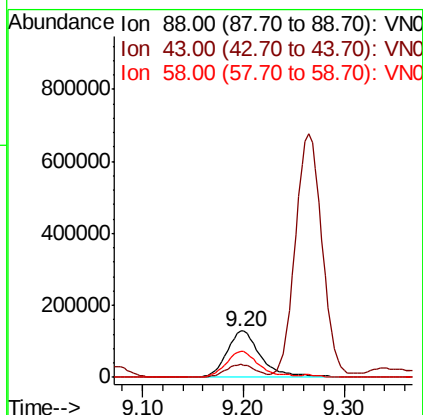
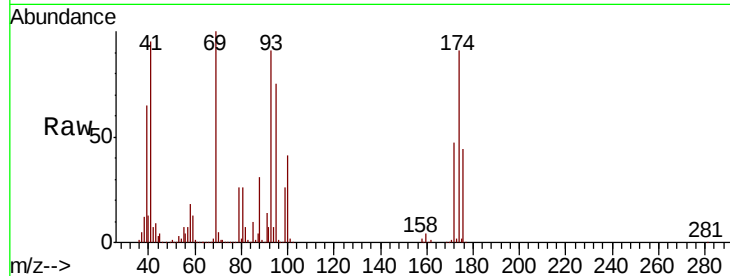




#45
 1,4-Dioxane
 Concen: 2463.187 ug/l
 RT: 9.20 min Scan# 2309
 Delta R.T. 0.00 min
 Lab File: VN057580.D
 Acq: 30 Aug 2019 10:49

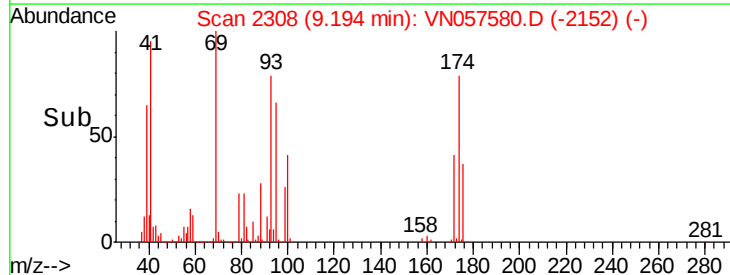
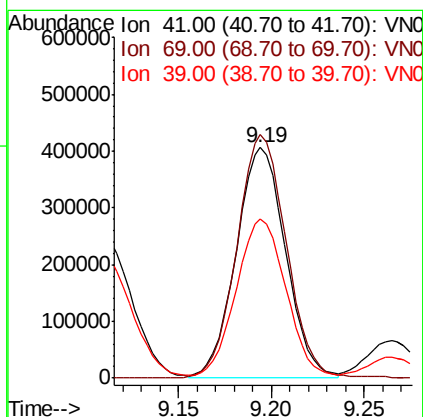
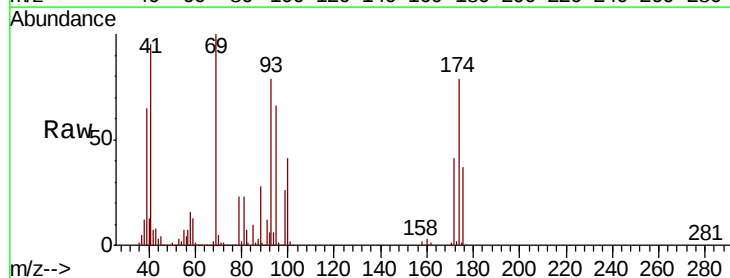
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

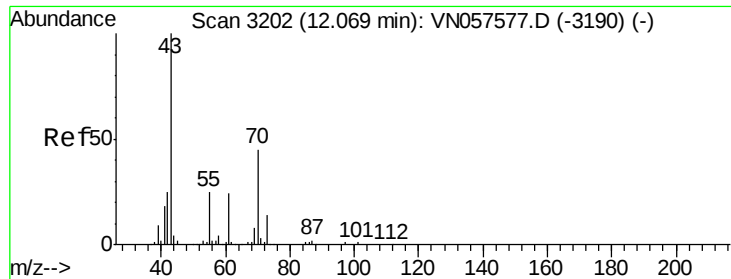
Tgt Ion: 88 Resp: 304443
 Ion Ratio Lower Upper
 88 100
 43 23.6 18.2 27.4
 58 54.5 45.0 67.6



#46
 Methyl methacrylate
 Concen: 80.302 ug/l
 RT: 9.19 min Scan# 2308
 Delta R.T. 0.00 min
 Lab File: VN057580.D
 Acq: 30 Aug 2019 10:49

Tgt Ion: 41 Resp: 747285
 Ion Ratio Lower Upper
 41 100
 69 106.0 46.4 139.1
 39 68.6 31.6 94.8

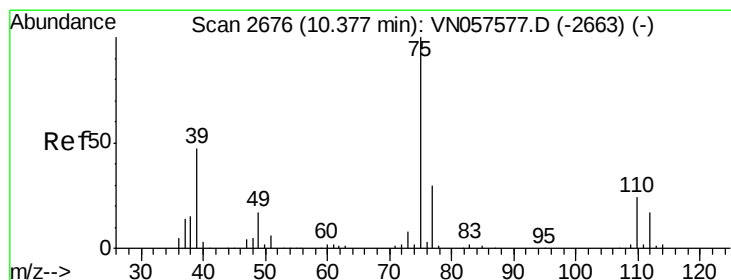
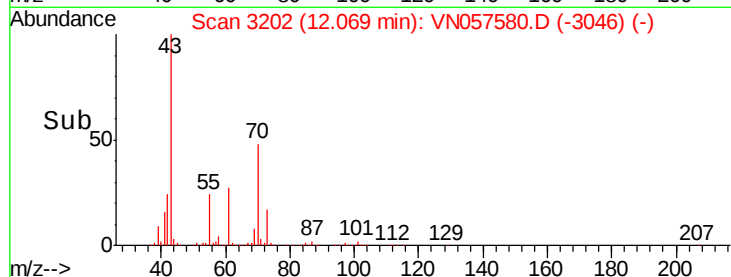
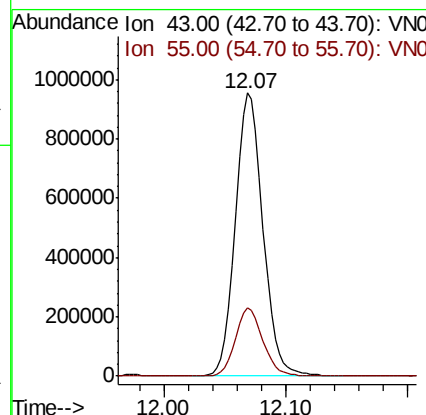
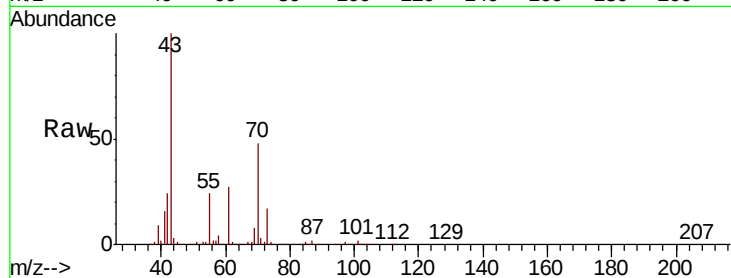




#47
n-amyl Acetate
Concen: 94.467 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. 0.00 min
Lab File: VN057580.D
Acq: 30 Aug 2019 10:49

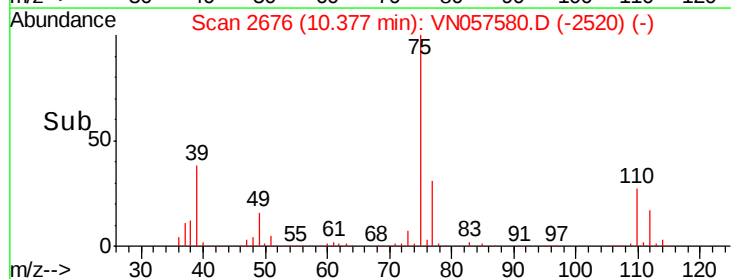
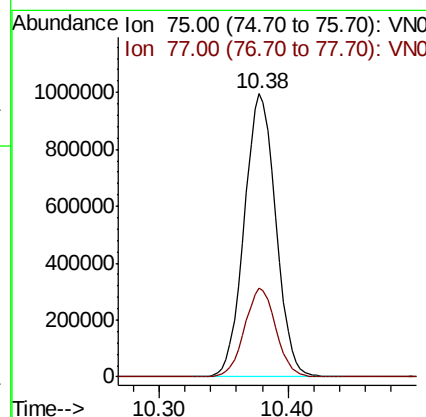
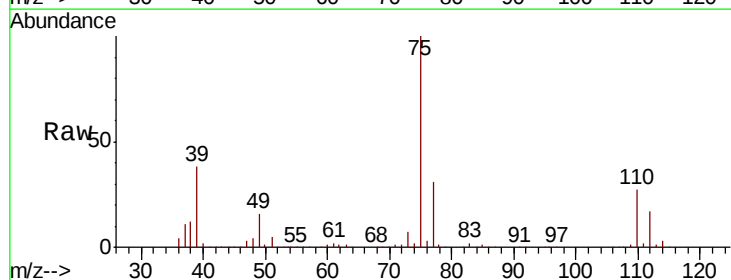
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

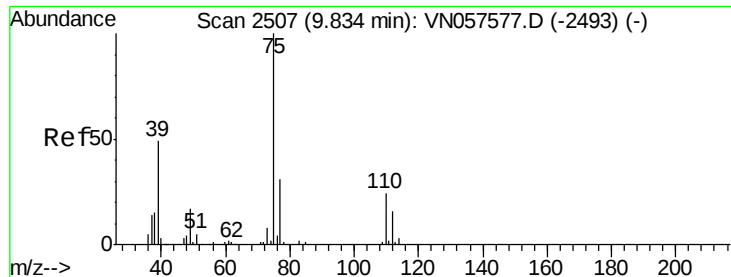
Tgt Ion: 43 Resp: 1503980
Ion Ratio Lower Upper
43 100
55 24.0 20.2 30.2



#48
t-1,3-Dichloropropene
Concen: 128.980 ug/l
RT: 10.38 min Scan# 2676
Delta R.T. 0.00 min
Lab File: VN057580.D
Acq: 30 Aug 2019 10:49

Tgt Ion: 75 Resp: 1696791
Ion Ratio Lower Upper
75 100
77 31.2 23.8 35.6



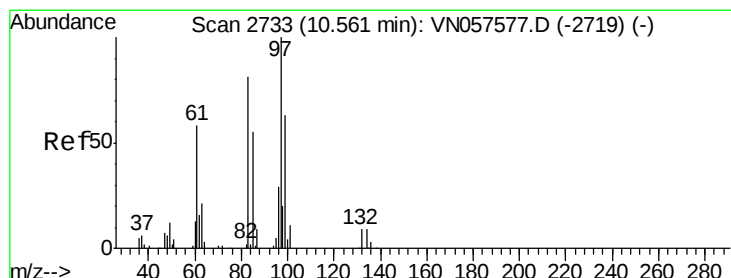
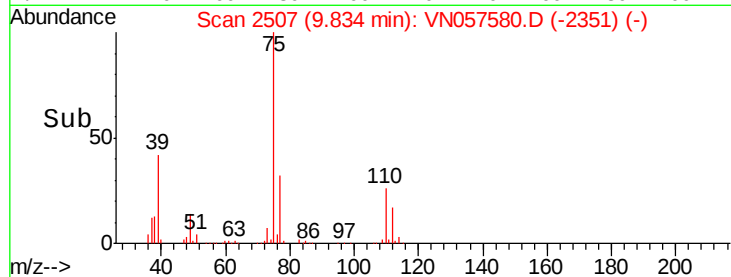
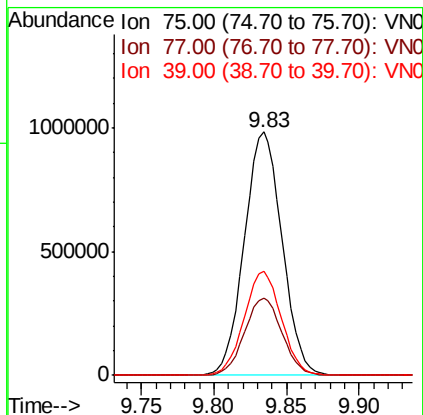
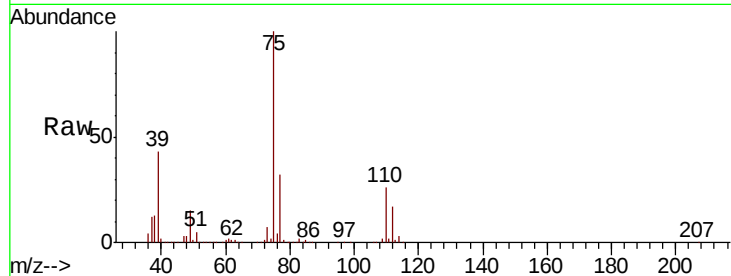


#49

cis-1,3-Dichloropropene
 Concen: 123.799 ug/l
 RT: 9.83 min Scan# 2507
 Delta R.T. 0.00 min
 Lab File: VN057580.D
 Acq: 30 Aug 2019 10:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

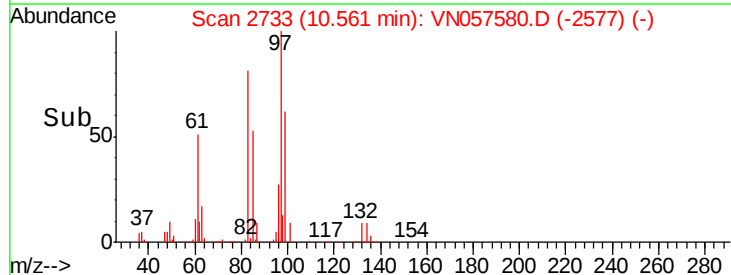
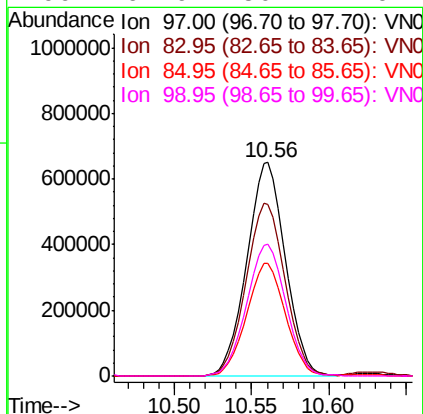
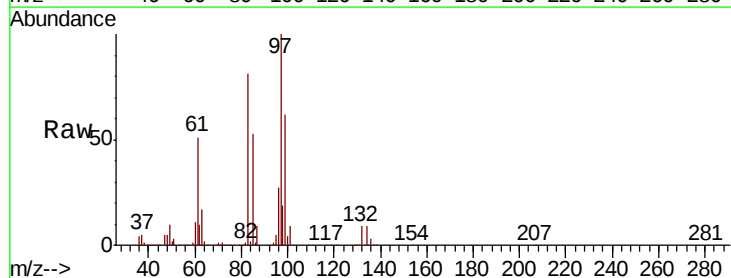
Tgt Ion: 75 Resp: 1782487
 Ion Ratio Lower Upper
 75 100
 77 31.7 25.0 37.4
 39 42.5 39.0 58.4

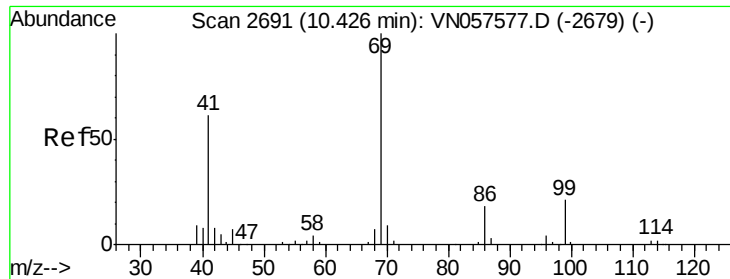


#50

1,1,2-Trichloroethane
 Concen: 144.065 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN057580.D
 Acq: 30 Aug 2019 10:49

Tgt Ion: 97 Resp: 1132667
 Ion Ratio Lower Upper
 97 100
 83 80.5 65.1 97.7
 85 52.9 43.7 65.5
 99 61.9 50.7 76.1





#51

Ethyl methacrylate

Concen: 120.182 ug/l

RT: 10.43 min Scan# 2691

Delta R.T. 0.00 min

Lab File: VN057580.D

Acq: 30 Aug 2019 10:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

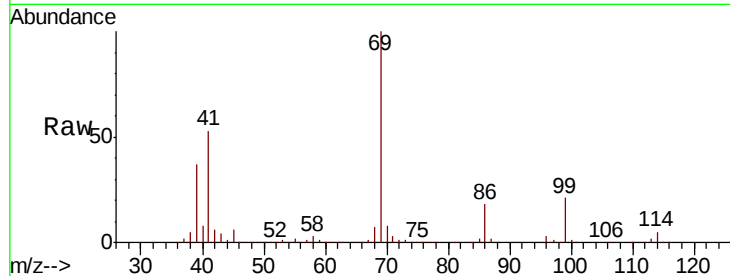
Tgt Ion: 69 Resp: 1516478

Ion Ratio Lower Upper

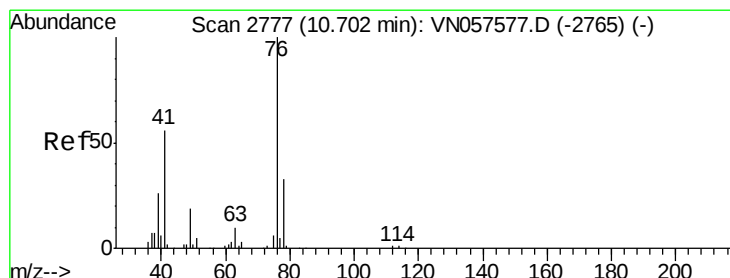
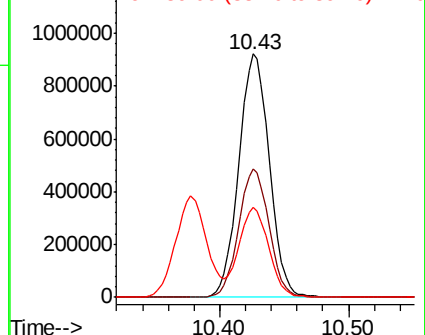
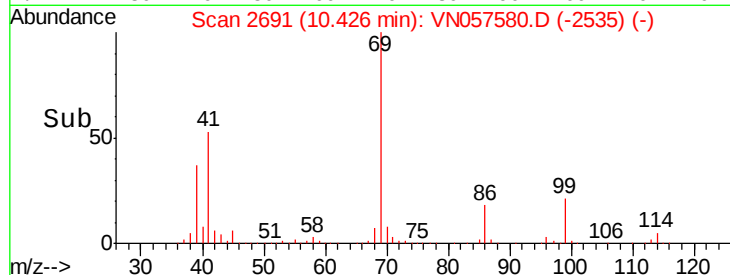
69 100

41 52.7 30.6 92.0

39 36.6 22.3 66.9



Abundance Ion 69.00 (68.70 to 69.70): VN057580.D (-2535) (-)



#52

1,3-Dichloropropane

Concen: 123.089 ug/l

RT: 10.70 min Scan# 2777

Delta R.T. 0.00 min

Lab File: VN057580.D

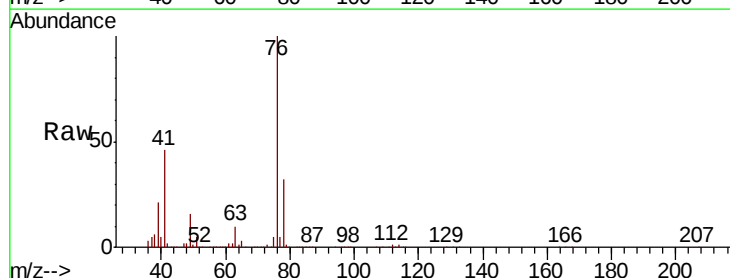
Acq: 30 Aug 2019 10:49

Tgt Ion: 76 Resp: 1726067

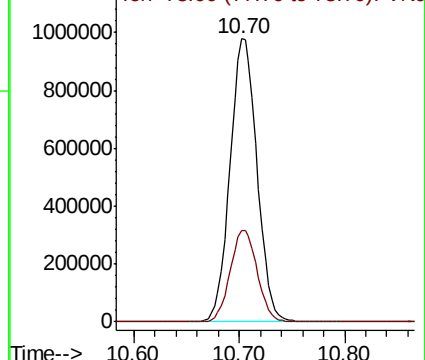
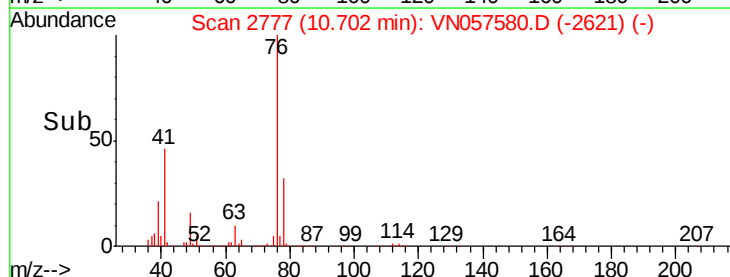
Ion Ratio Lower Upper

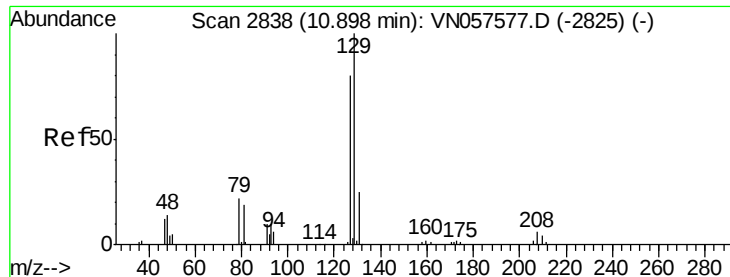
76 100

78 32.4 0.0 67.0



Abundance Ion 76.00 (75.70 to 76.70): VN057580.D (-2621) (-)





#53

Dibromochloromethane

Concen: 166.928 ug/l

RT: 10.90 min Scan# 2838

Delta R.T. 0.00 min

Lab File: VN057580.D

Acq: 30 Aug 2019 10:49

Instrument :

MSVOA_N

ClientSampleId :

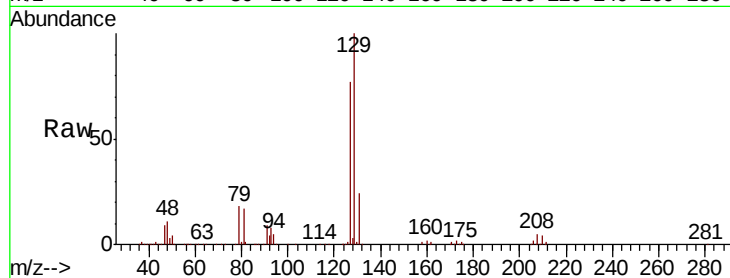
VSTDIC150

Tgt Ion:129 Resp: 1408940

Ion Ratio Lower Upper

129 100

127 77.2 38.9 116.7



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

800000

600000

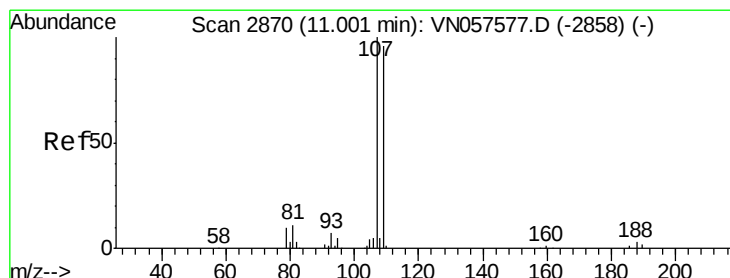
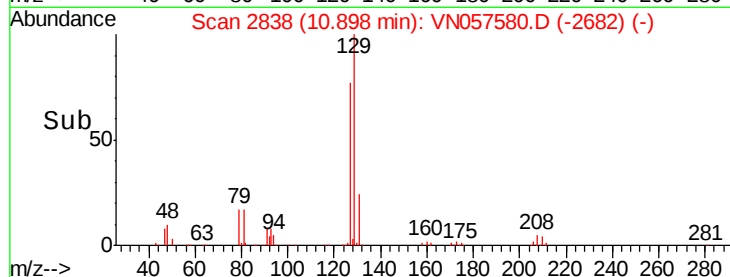
400000

200000

0

10.85 10.90 10.95

Time-->



#54

1,2-Dibromoethane

Concen: 150.076 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN057580.D

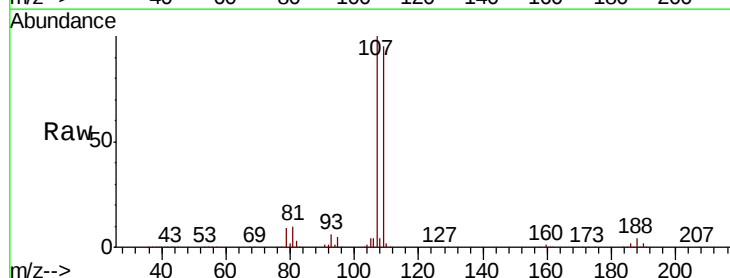
Acq: 30 Aug 2019 10:49

Tgt Ion:107 Resp: 1216238

Ion Ratio Lower Upper

107 100

109 95.1 75.2 112.8



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

800000

600000

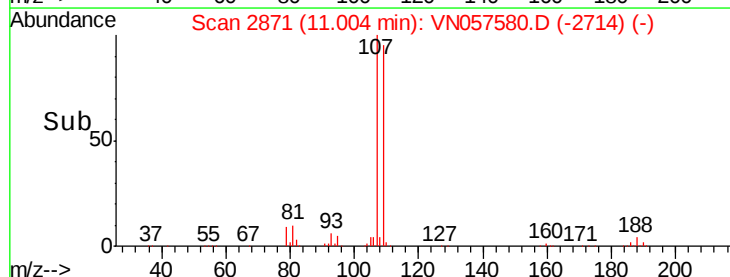
400000

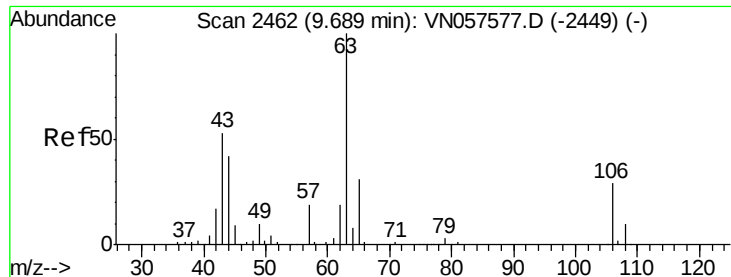
200000

0

10.90 11.00 11.10

Time-->





#55

2-Chloroethyl vinyl ether

Concen: 653.529 ug/l

RT: 9.69 min Scan# 2462

Delta R.T. 0.00 min

Lab File: VN057580.D

Acq: 30 Aug 2019 10:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

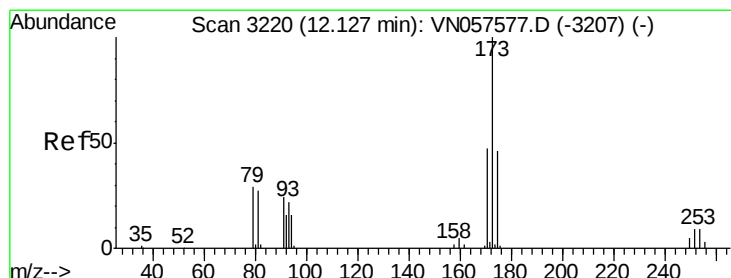
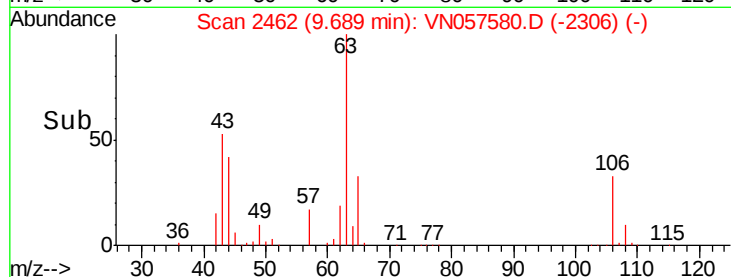
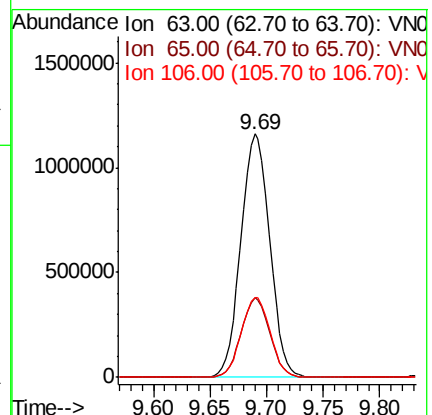
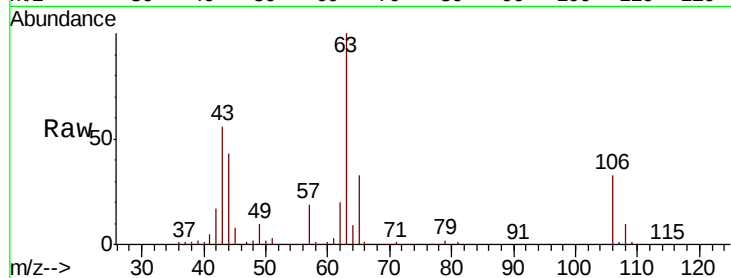
Tgt Ion: 63 Resp: 2067957

Ion Ratio Lower Upper

63 100

65 32.3 25.0 37.4

106 32.9 23.7 35.5



#56

Bromoform

Concen: 191.938 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN057580.D

Acq: 30 Aug 2019 10:49

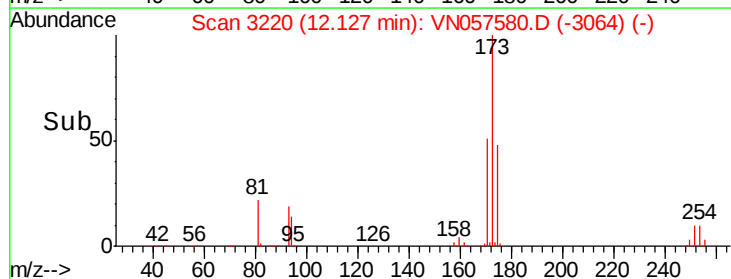
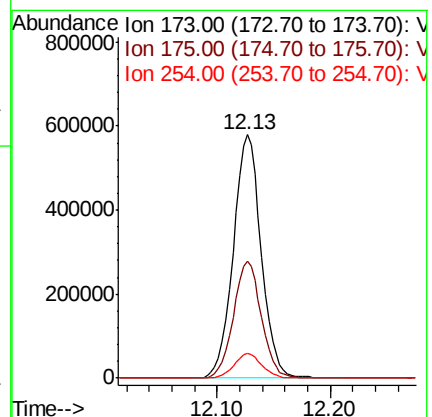
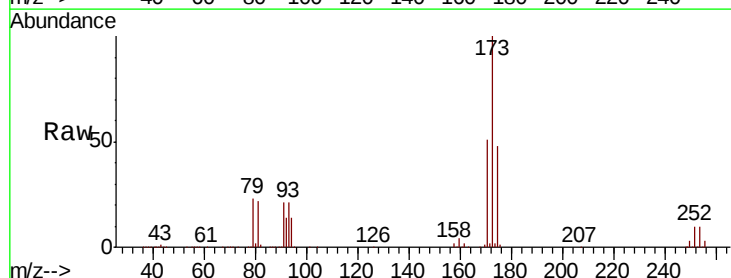
Tgt Ion: 173 Resp: 988260

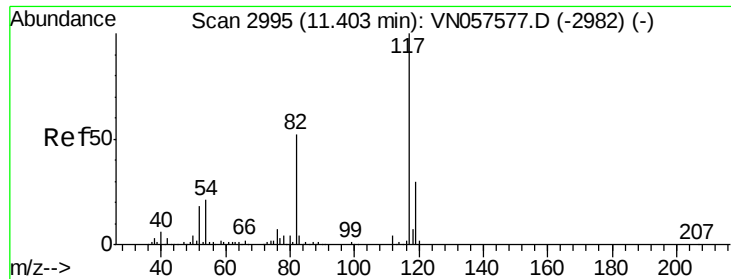
Ion Ratio Lower Upper

173 100

175 48.2 37.3 55.9

254 10.0 2.2 3.2#

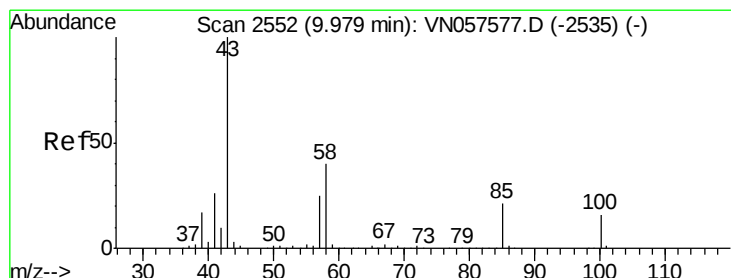
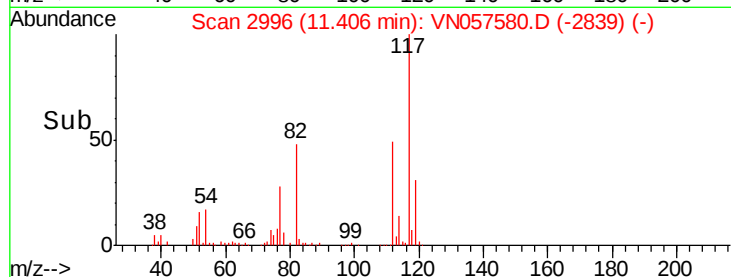
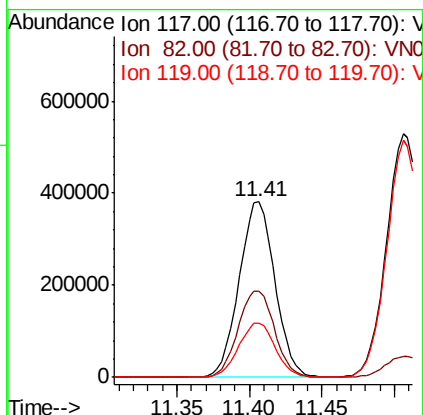
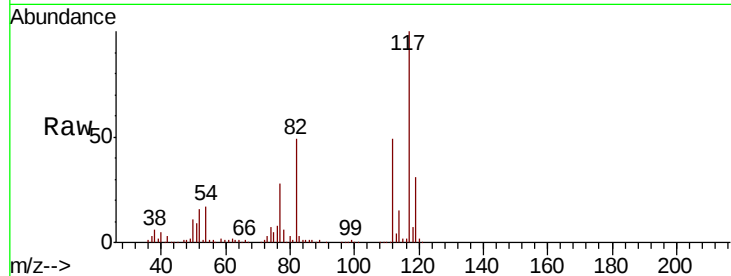




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN057580.D
Acq: 30 Aug 2019 10:49

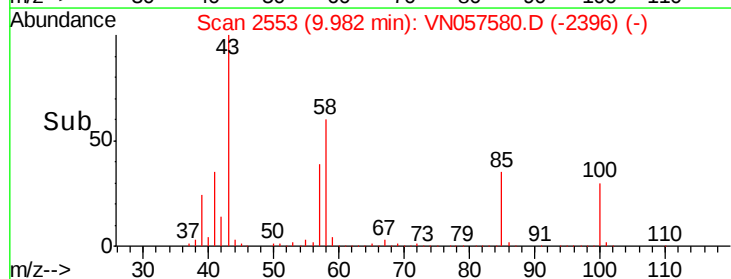
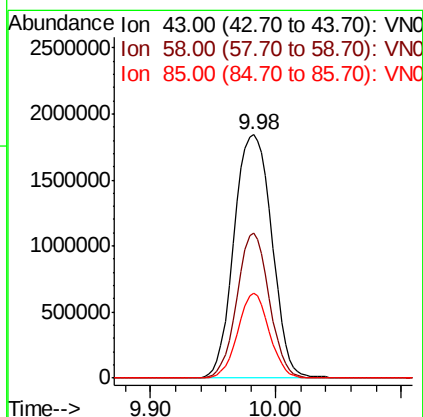
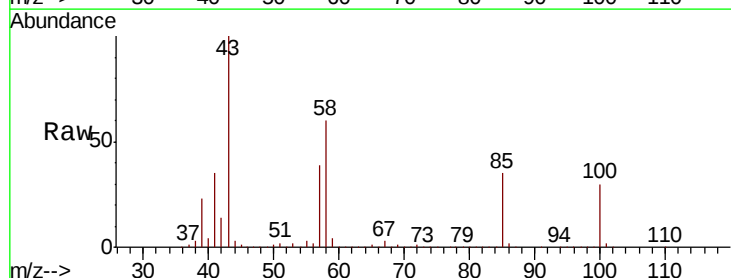
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

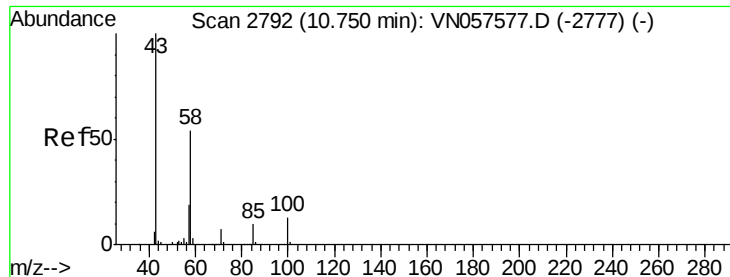
Tgt Ion: 117 Resp: 656834
Ion Ratio Lower Upper
117 100
82 50.2 42.6 63.8
119 31.6 25.0 37.6



#58
4-Methyl-2-Pentanone
Concen: 328.944 ug/l
RT: 9.98 min Scan# 2553
Delta R.T. 0.00 min
Lab File: VN057580.D
Acq: 30 Aug 2019 10:49

Tgt Ion: 43 Resp: 3859637
Ion Ratio Lower Upper
43 100
58 51.2 32.1 48.1#
85 29.2 16.6 24.8#

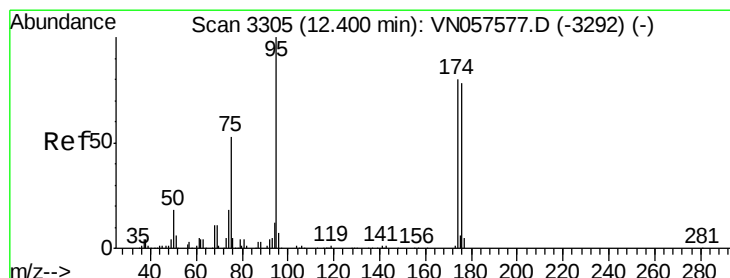
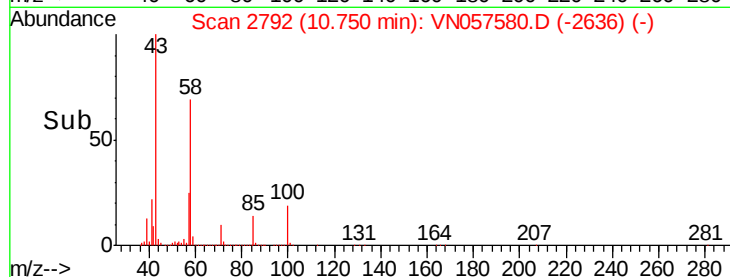
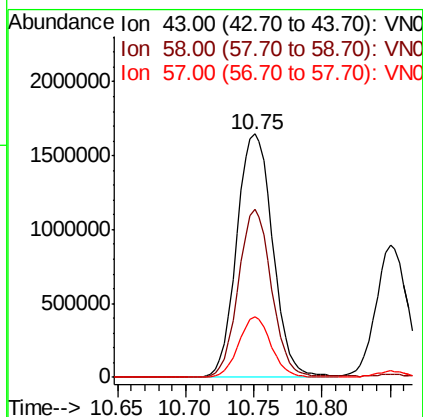
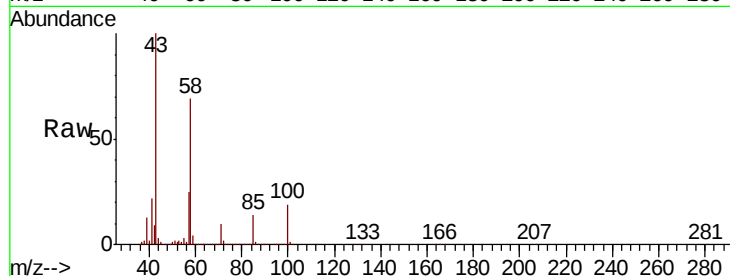




#59
2-Hexanone
Concen: 370.768 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN057580.D
Acq: 30 Aug 2019 10:49

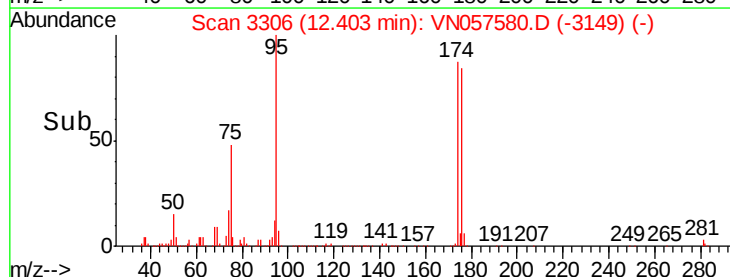
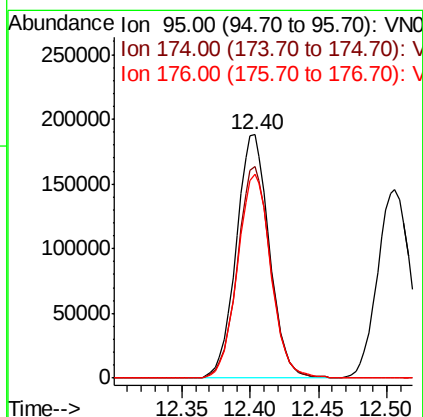
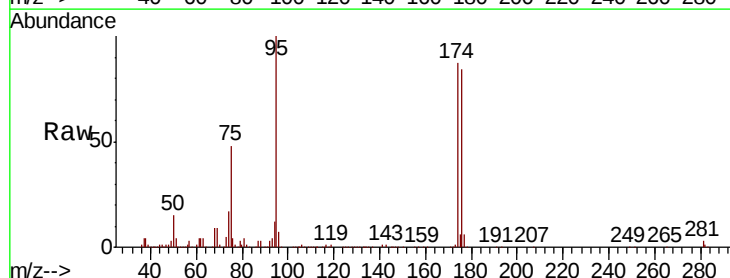
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

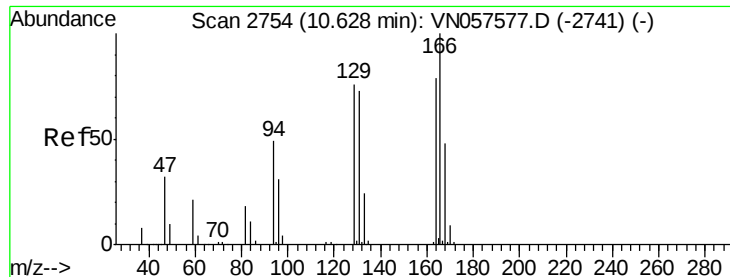
Tgt Ion: 43 Resp: 3013927
Ion Ratio Lower Upper
43 100
58 64.3 42.9 64.3
57 22.6 15.4 23.2



#60
4-Bromofluorobenzene
Concen: 29.686 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN057580.D
Acq: 30 Aug 2019 10:49

Tgt Ion: 95 Resp: 317226
Ion Ratio Lower Upper
95 100
174 86.8 66.2 99.2
176 84.4 65.0 97.6

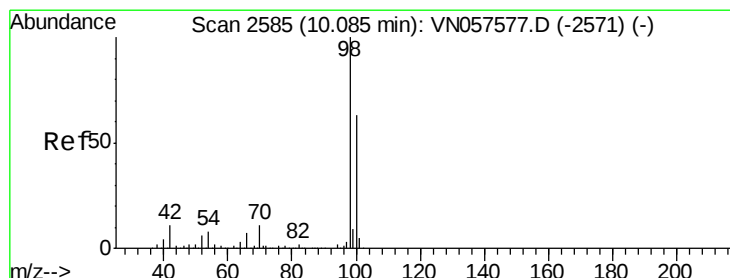
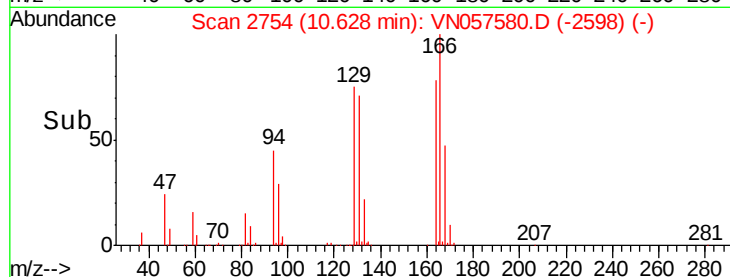
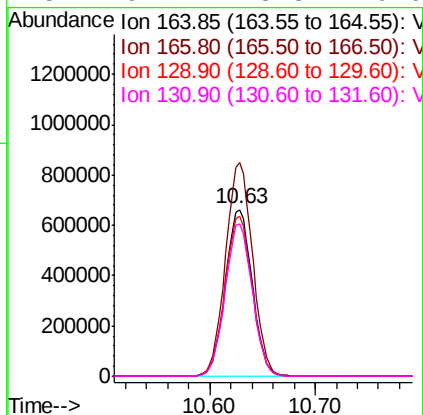
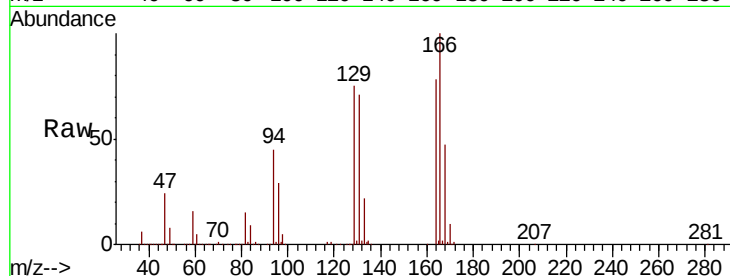




#61
Tetrachloroethene
Concen: 152.008 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN057580.D
Acq: 30 Aug 2019 10:49

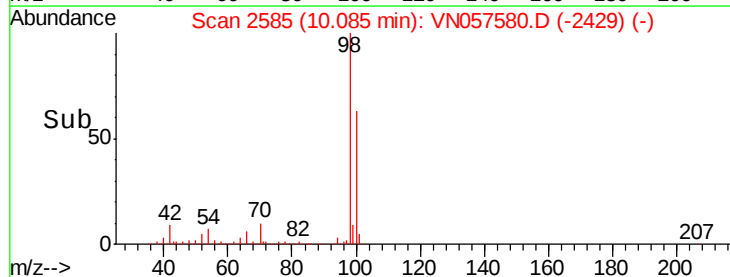
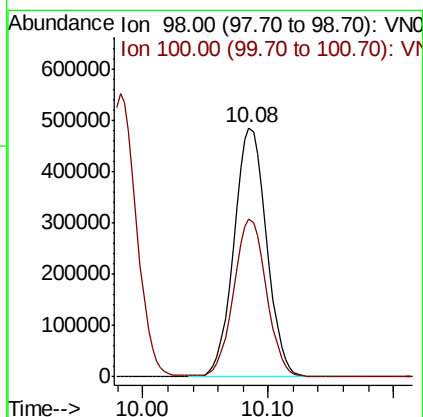
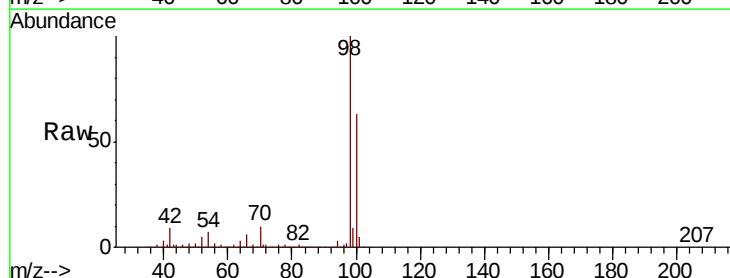
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

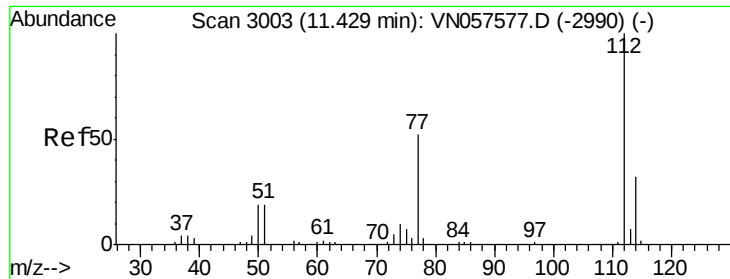
Tgt Ion:164 Resp: 1170119
Ion Ratio Lower Upper
164 100
166 128.2 100.7 151.1
129 95.9 76.3 114.5
131 91.1 73.8 110.6



#63
Toluene-d8
Concen: 27.024 ug/l
RT: 10.08 min Scan# 2585
Delta R.T. 0.00 min
Lab File: VN057580.D
Acq: 30 Aug 2019 10:49

Tgt Ion: 98 Resp: 879116
Ion Ratio Lower Upper
98 100
100 63.0 50.2 75.2

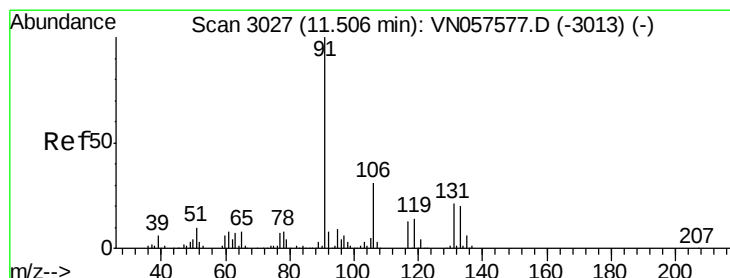
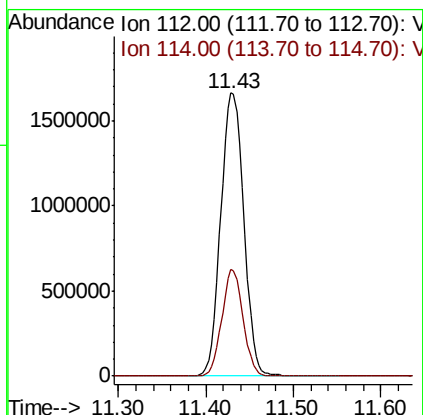
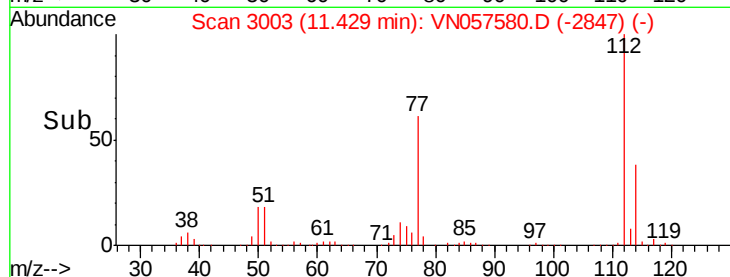
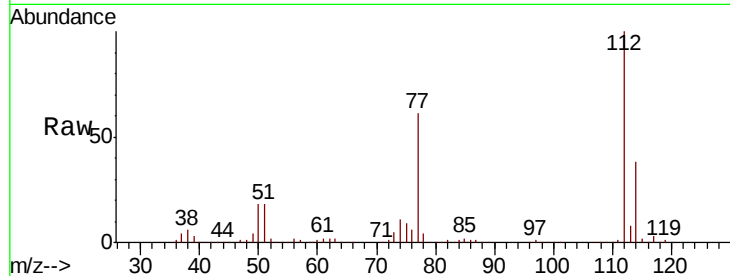




#64
Chlorobenzene
Concen: 139.564 ug/l
RT: 11.43 min Scan# 3003
Delta R.T. 0.00 min
Lab File: VN057580.D
Acq: 30 Aug 2019 10:49

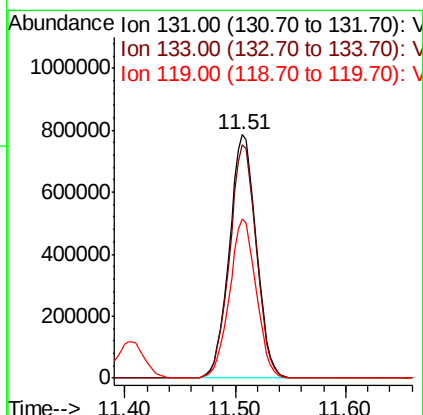
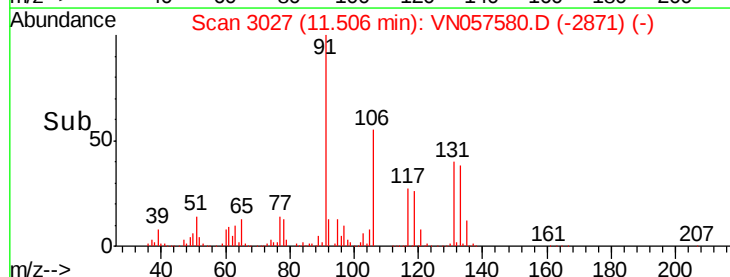
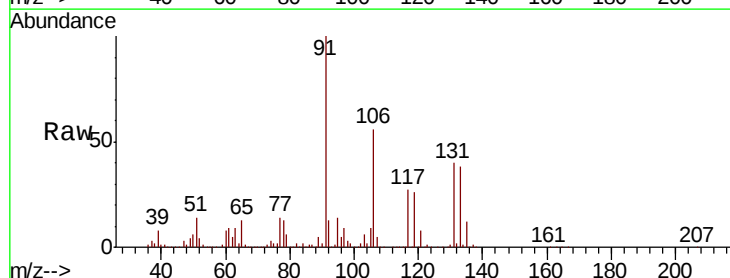
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

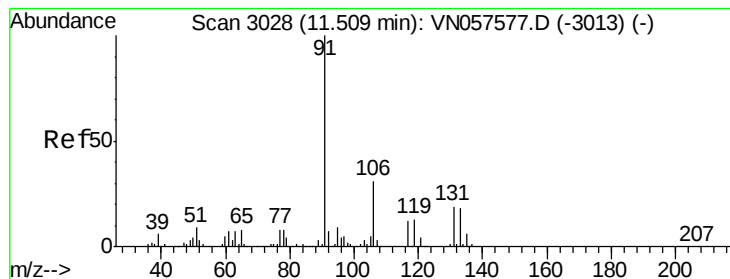
Tgt Ion:112 Resp: 3049297
Ion Ratio Lower Upper
112 100
114 37.5 25.4 38.2



#65
1,1,1,2-Tetrachloroethane
Concen: 160.612 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. 0.00 min
Lab File: VN057580.D
Acq: 30 Aug 2019 10:49

Tgt Ion:131 Resp: 1333293
Ion Ratio Lower Upper
131 100
133 95.4 0.0 186.0
119 64.4 0.0 134.6





#66

Ethyl Benzene

Concen: 97.957 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN057580.D

Acq: 30 Aug 2019 10:49

Instrument :

MSVOA_N

ClientSampleId :

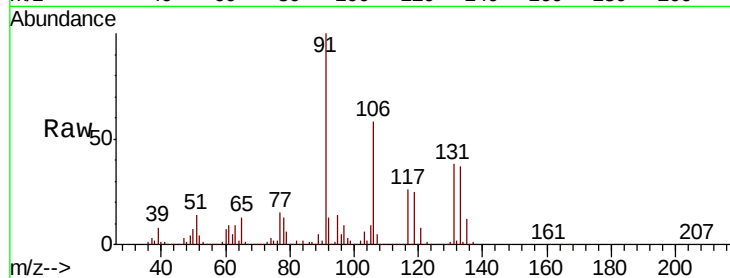
VSTDIC150

Tgt Ion: 91 Resp: 4133235

Ion Ratio Lower Upper

91 100

106 57.8 24.7 37.1#



Abundance Ion 91.00 (90.70 to 91.70): VN057577.D (-3013) (-)

Ion 106.00 (105.70 to 106.70): VN057577.D (-3013) (-)

2500000

2000000

1500000

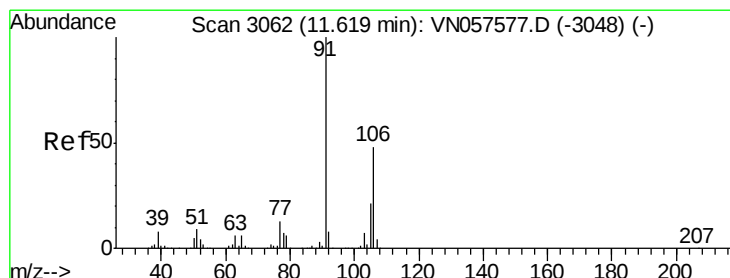
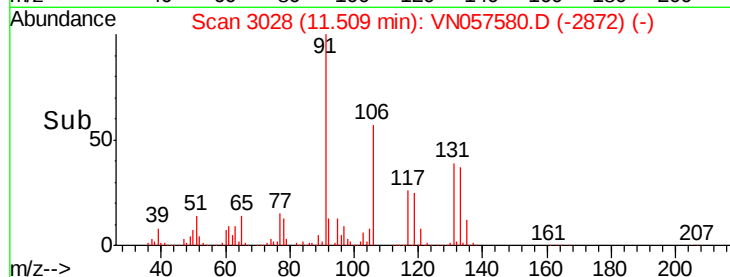
1000000

500000

0

11.45 11.50 11.55 11.60

Time-->



#67

m/p-Xylenes

Concen: 127.797 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.11 min

Lab File: VN057580.D

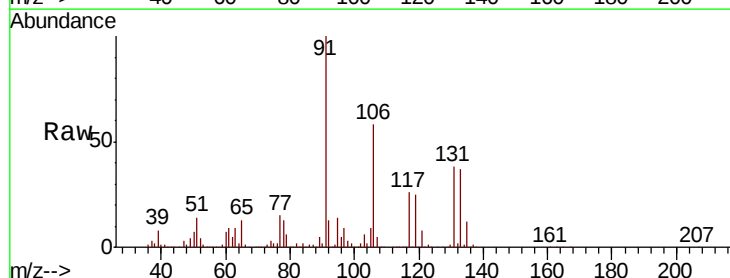
Acq: 30 Aug 2019 10:49

Tgt Ion:106 Resp: 1901652

Ion Ratio Lower Upper

106 100

91 217.3 164.1 246.1



Abundance Ion 106.00 (105.70 to 106.70): VN057577.D (-3048) (-)

Ion 91.00 (90.70 to 91.70): VN057577.D (-3048) (-)

2500000

2000000

1500000

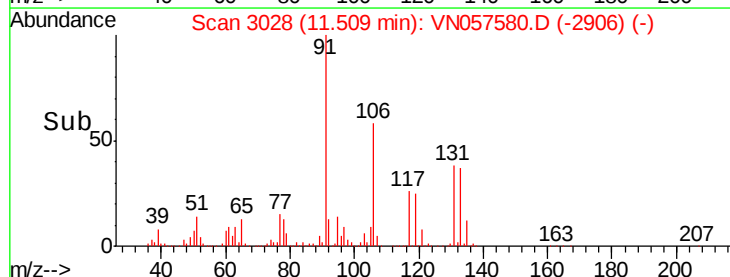
1000000

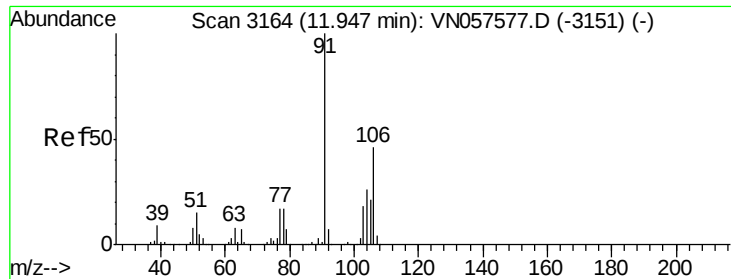
500000

0

11.45 11.50 11.55 11.60

Time-->

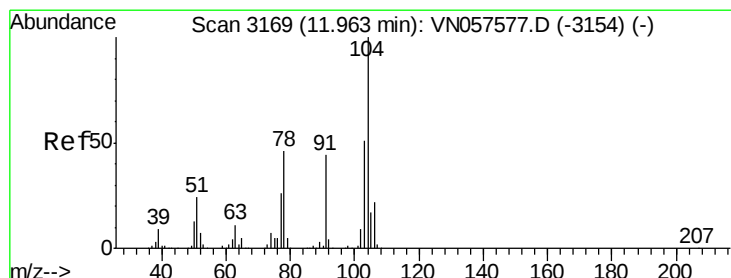
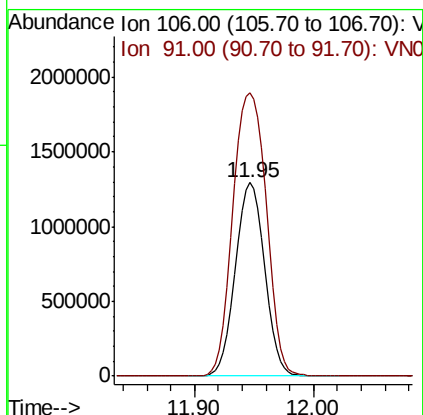
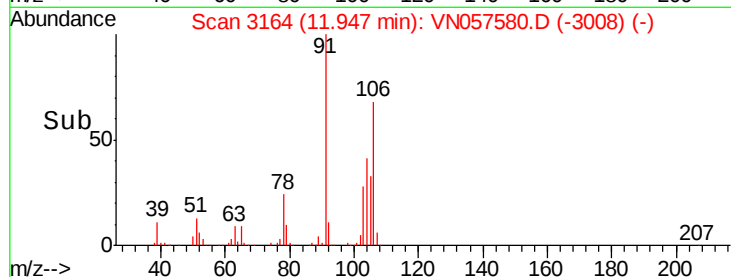
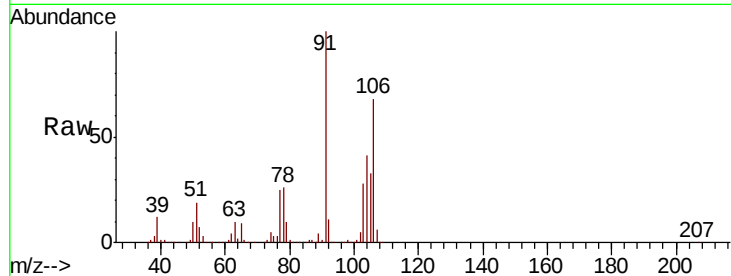




#68
o-Xylene
Concen: 150.907 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN057580.D
Acq: 30 Aug 2019 10:49

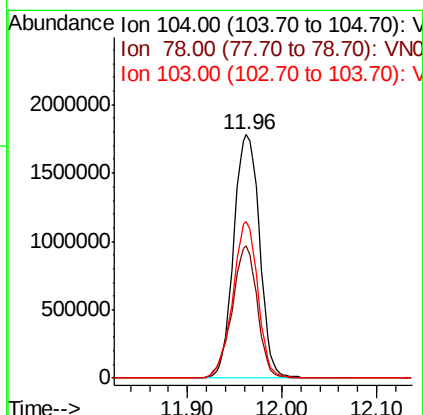
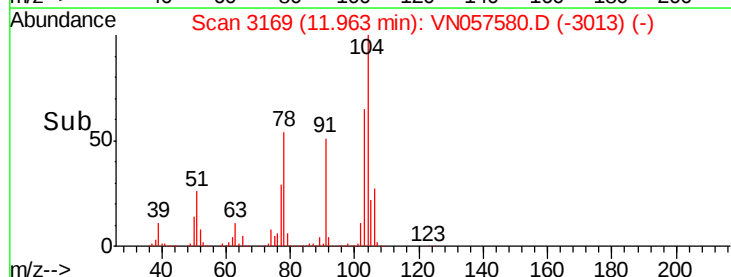
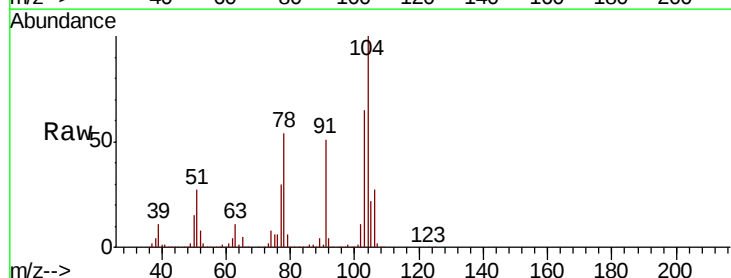
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

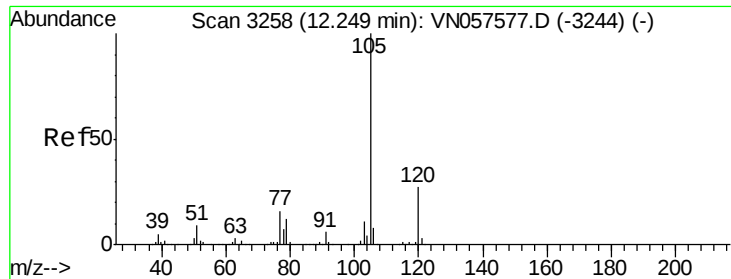
Tgt Ion:106 Resp: 2209423
Ion Ratio Lower Upper
106 100
91 167.8 107.8 323.6



#69
Styrene
Concen: 143.102 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN057580.D
Acq: 30 Aug 2019 10:49

Tgt Ion:104 Resp: 3382233
Ion Ratio Lower Upper
104 100
78 53.2 41.4 62.0
103 62.5 44.8 67.2





#70

Isopropylbenzene

Concen: 107.029 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN057580.D

Acq: 30 Aug 2019 10:49

Instrument :

MSVOA_N

ClientSampleId :

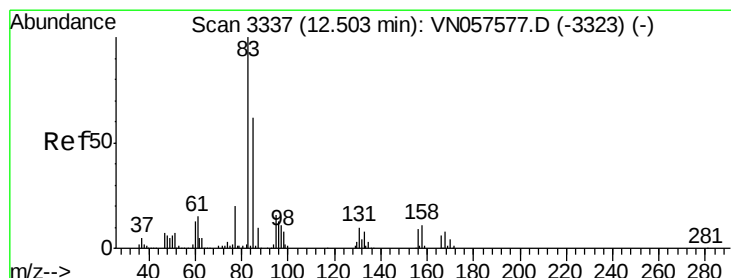
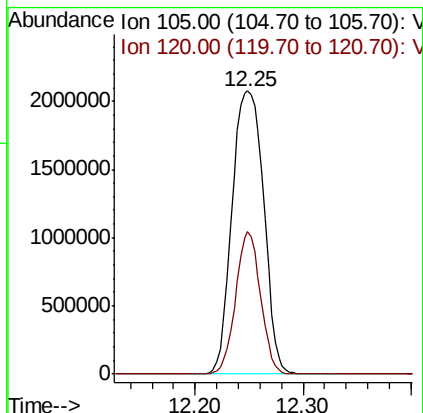
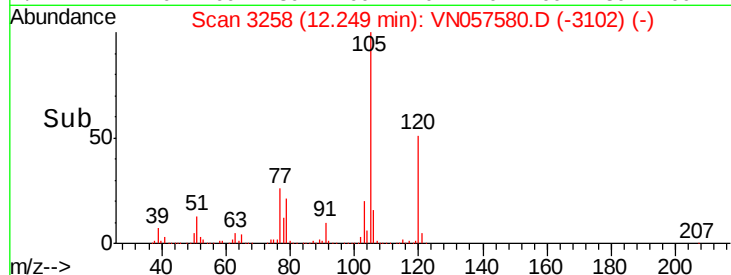
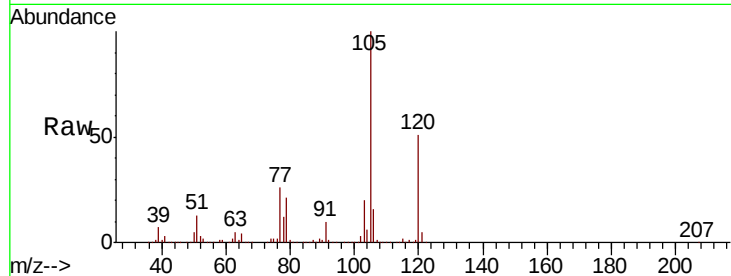
VSTDIC150

Tgt Ion:105 Resp: 4236651

Ion Ratio Lower Upper

105 100

120 39.8 18.7 34.7#



#71

1,1,2,2-Tetrachloroethane

Concen: 128.259 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN057580.D

Acq: 30 Aug 2019 10:49

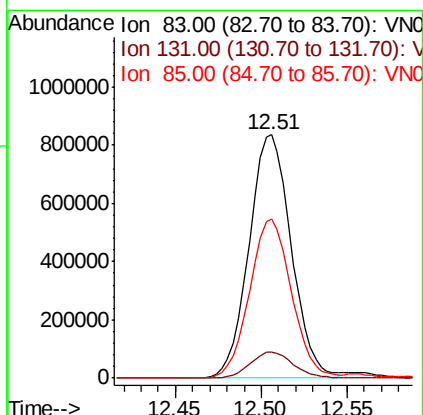
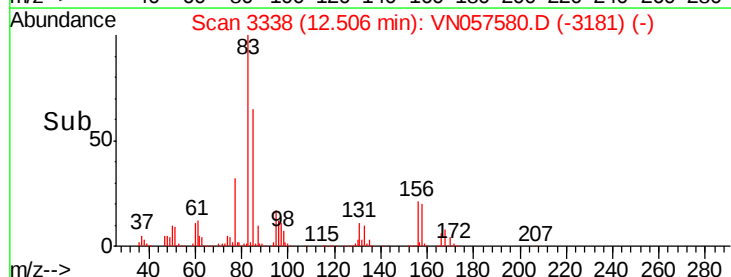
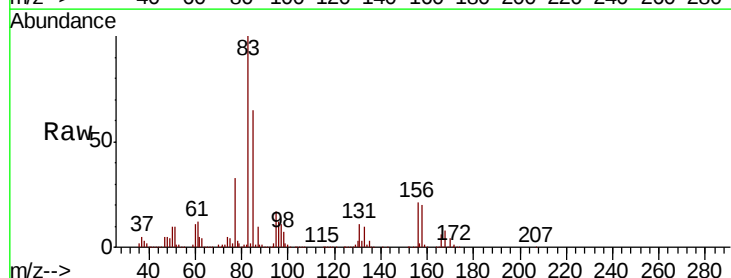
Tgt Ion: 83 Resp: 1422047

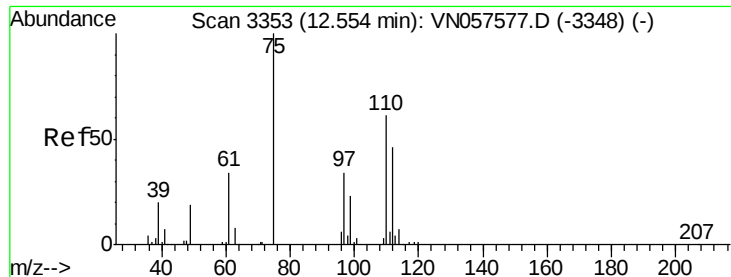
Ion Ratio Lower Upper

83 100

131 11.1 5.2 15.6

85 64.9 31.6 94.8





#72

1,2,3-Trichloropropane

Concen: 178.283 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN057580.D

Acq: 30 Aug 2019 10:49

Instrument :

MSVOA_N

ClientSampleId :

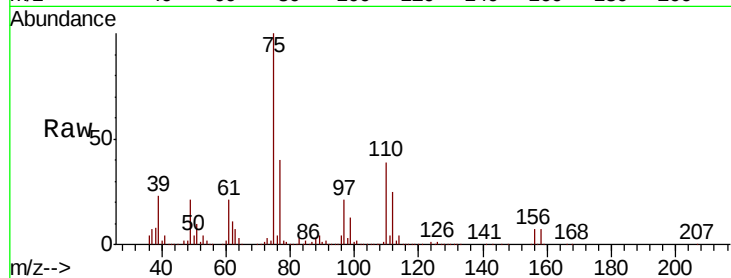
VSTDIC150

Tgt Ion: 75 Resp: 1779141

Ion Ratio Lower Upper

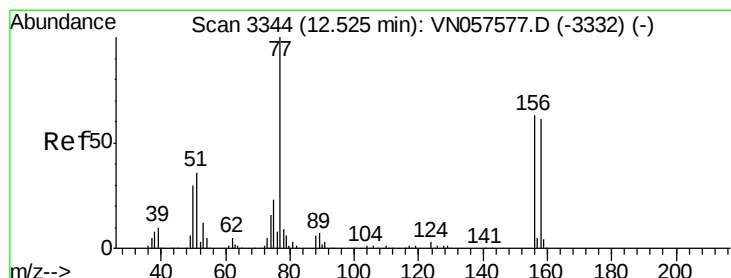
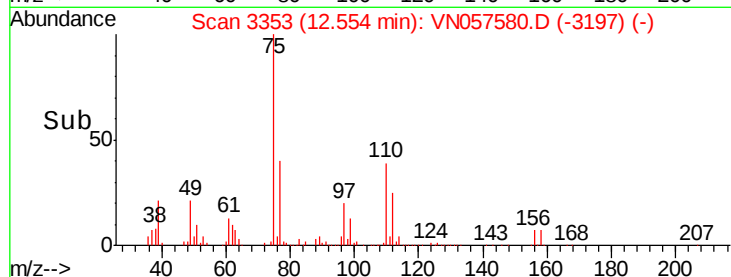
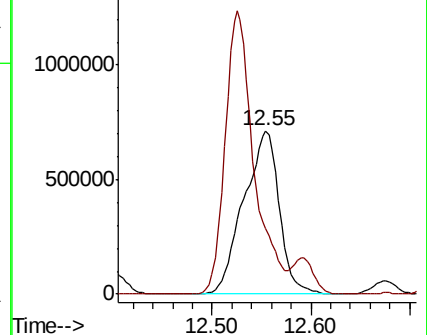
75 100

77 142.5 0.0 399.2



Abundance Ion 75.00 (74.70 to 75.70): VN057577.D (-3348) (-)

Ion 77.00 (76.70 to 77.70): VN057577.D (-3348) (-)



#73

Bromobenzene

Concen: 185.809 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN057580.D

Acq: 30 Aug 2019 10:49

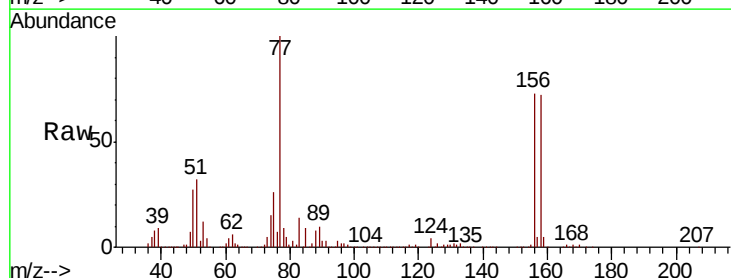
Tgt Ion: 156 Resp: 1526101

Ion Ratio Lower Upper

156 100

77 166.2 0.0 374.6

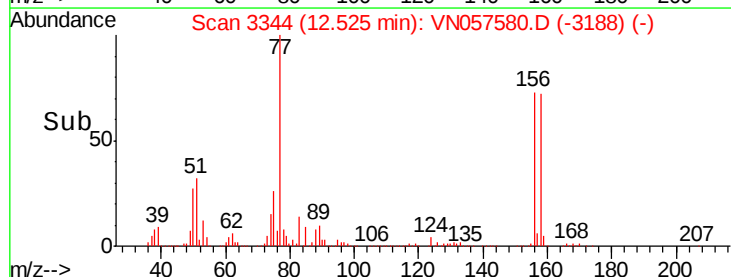
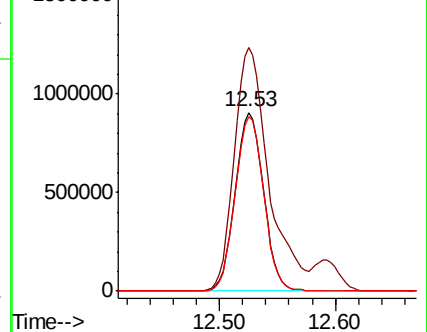
158 98.4 0.0 197.4

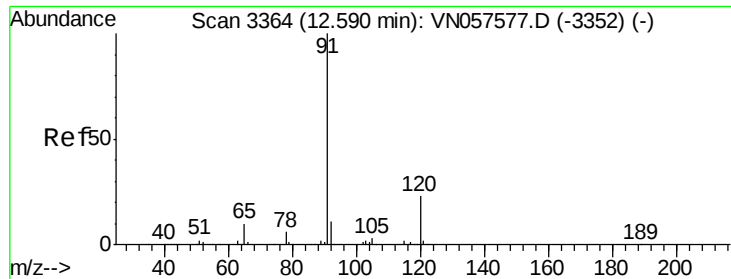


Abundance Ion 156.00 (155.70 to 156.70): VN057577.D (-3332) (-)

Ion 77.00 (76.70 to 77.70): VN057577.D (-3332) (-)

Ion 158.00 (157.70 to 158.70): VN057577.D (-3332) (-)





#74

n-propylbenzene

Concen: 97.856 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN057580.D

Acq: 30 Aug 2019 10:49

Instrument :

MSVOA_N

ClientSampleId :

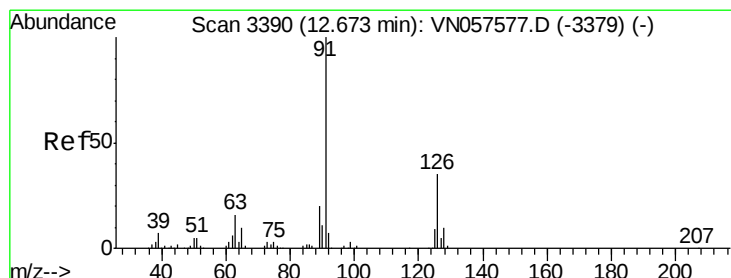
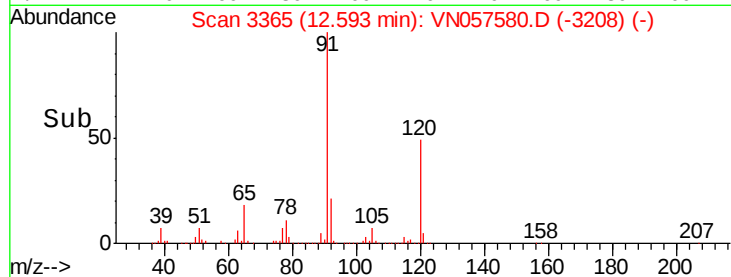
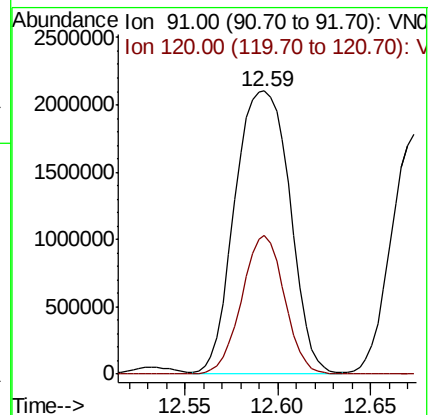
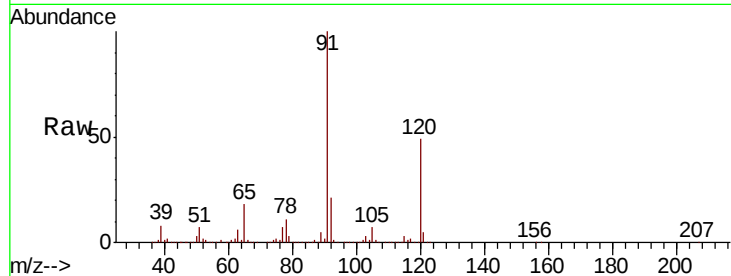
VSTDIC150

Tgt Ion: 91 Resp: 4357472

Ion Ratio Lower Upper

91 100

120 37.9 0.0 46.6



#75

2-Chlorotoluene

Concen: 127.946 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN057580.D

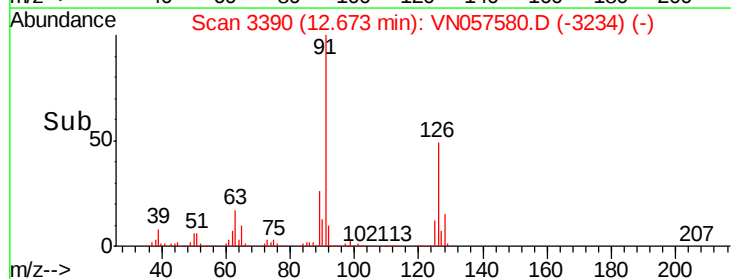
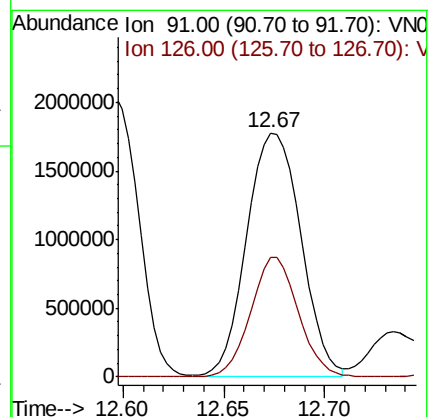
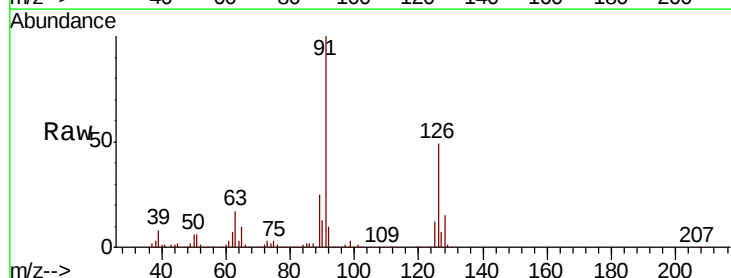
Acq: 30 Aug 2019 10:49

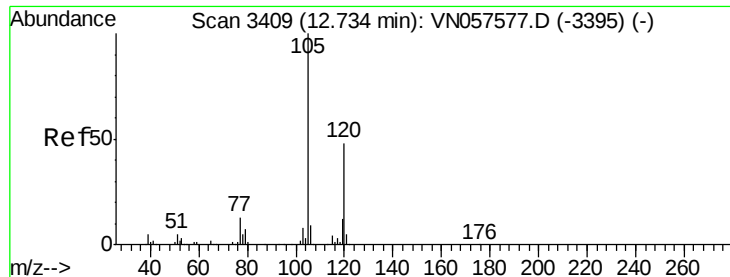
Tgt Ion: 91 Resp: 3353691

Ion Ratio Lower Upper

91 100

126 43.0 0.0 70.4





#76

1,3,5-Trimethylbenzene

Concen: 119.451 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN057580.D

Acq: 30 Aug 2019 10:49

Instrument :

MSVOA_N

ClientSampleId :

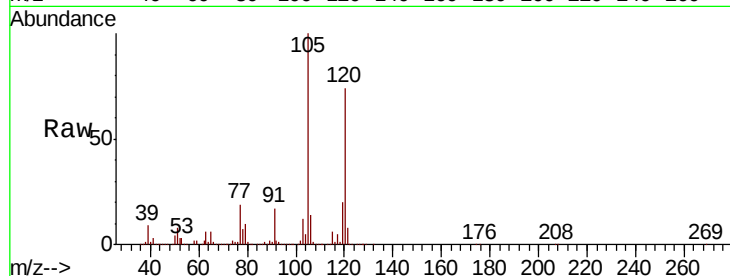
VSTDIC150

Tgt Ion:105 Resp: 3881646

Ion Ratio Lower Upper

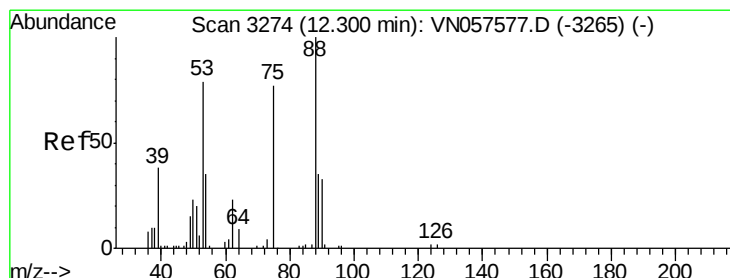
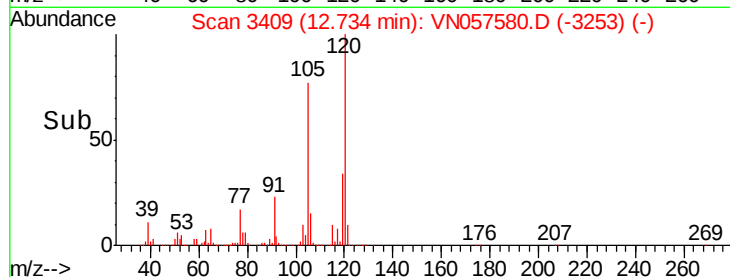
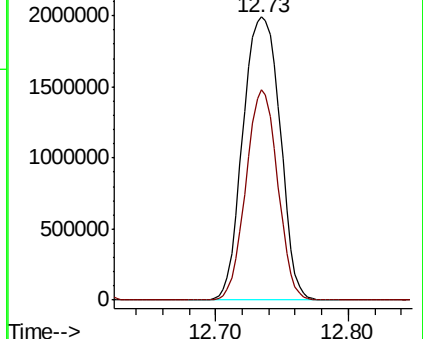
105 100

120 63.6 0.0 95.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#77

t-1,4-Dichloro-2-butene

Concen: 131.718 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN057580.D

Acq: 30 Aug 2019 10:49

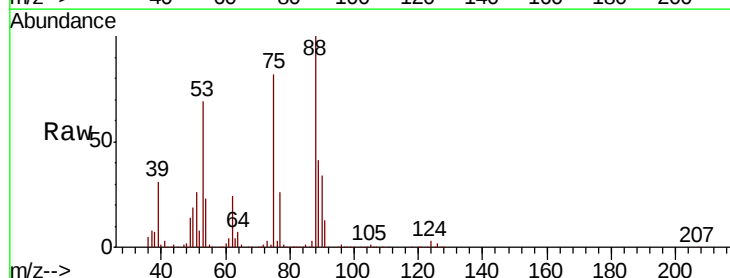
Tgt Ion: 75 Resp: 452085

Ion Ratio Lower Upper

75 100

53 84.1 52.8 158.4

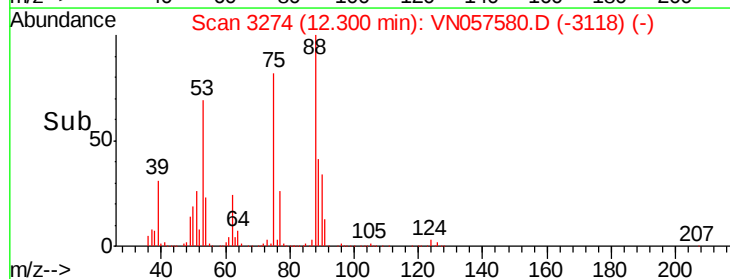
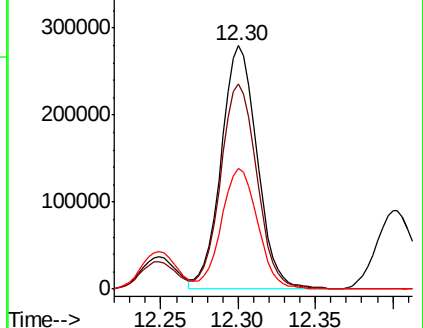
89 49.8 23.2 69.5

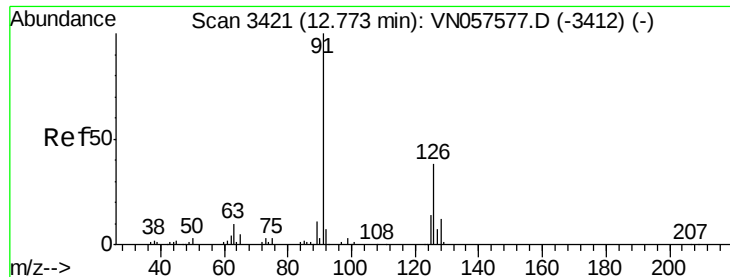


Abundance Ion 75.00 (74.70 to 75.70): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 89.00 (88.70 to 89.70): VNO





#78

4-Chlorotoluene

Concen: 135.756 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN057580.D

Acq: 30 Aug 2019 10:49

Instrument :

MSVOA_N

ClientSampleId :

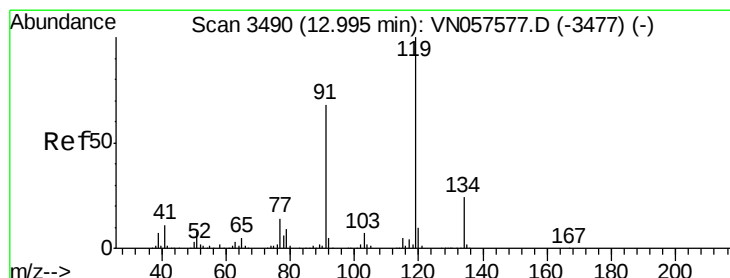
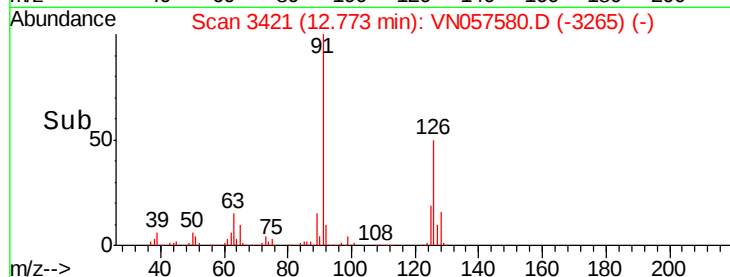
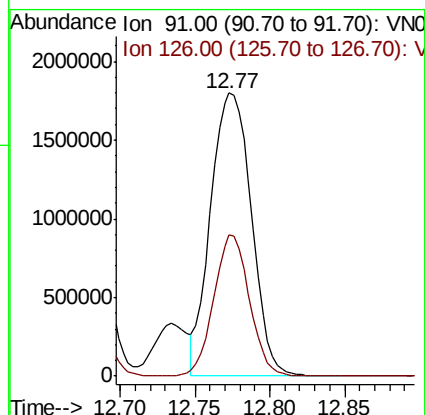
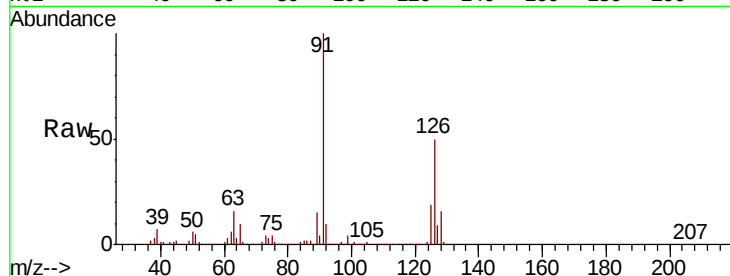
VSTDIC150

Tgt Ion: 91 Resp: 3412731

Ion Ratio Lower Upper

91 100

126 43.7 0.0 68.6



#79

tert-butylbenzene

Concen: 132.674 ug/l

RT: 12.99 min Scan# 3490

Delta R.T. 0.00 min

Lab File: VN057580.D

Acq: 30 Aug 2019 10:49

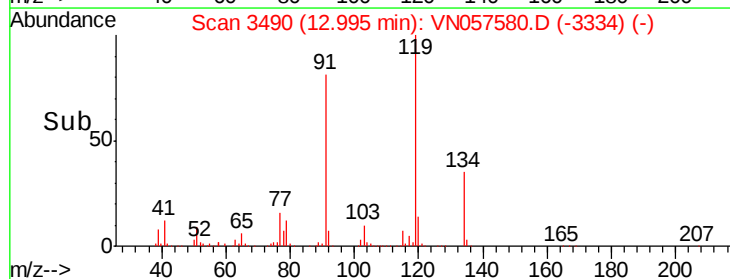
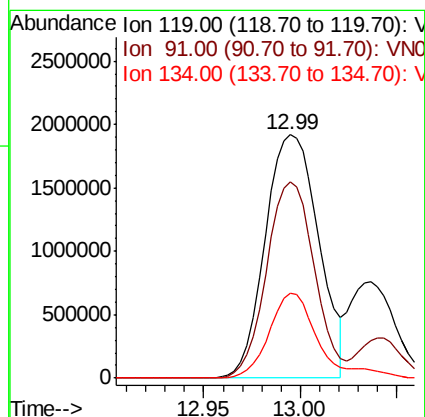
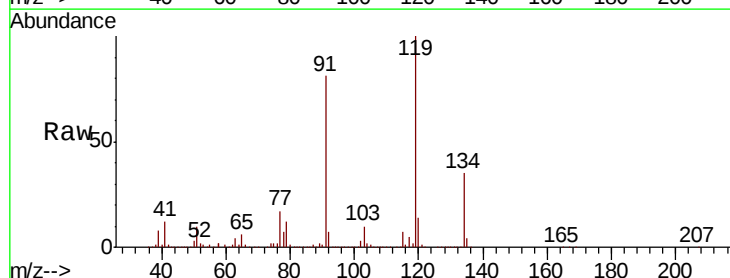
Tgt Ion: 119 Resp: 3705450

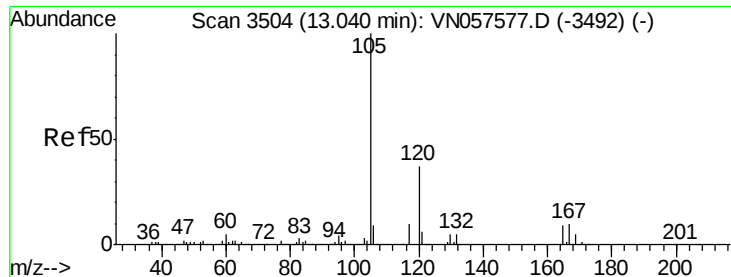
Ion Ratio Lower Upper

119 100

91 72.3 0.0 137.6

134 29.9 0.0 47.8

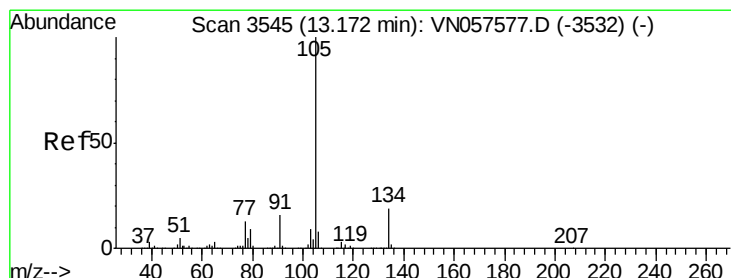
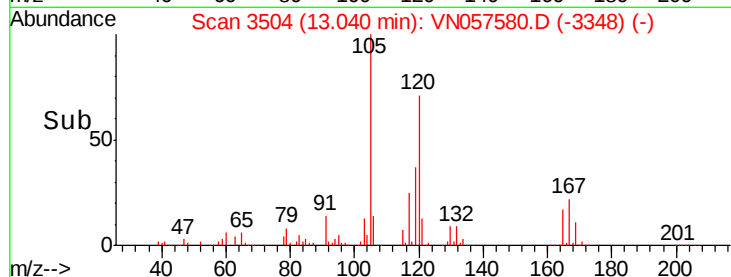
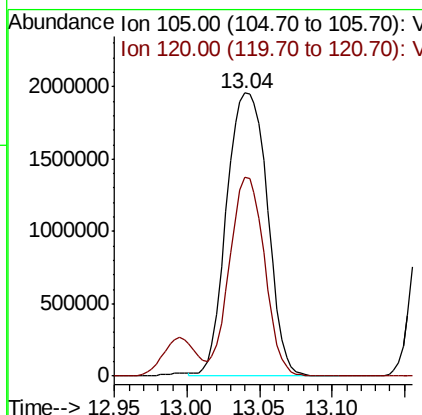
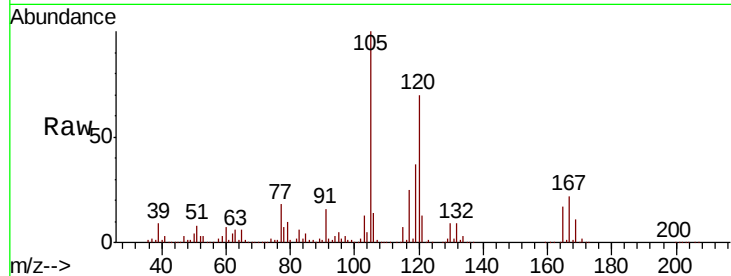




#80
 1,2,4-Trimethylbenzene
 Concen: 125.138 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN057580.D
 Acq: 30 Aug 2019 10:49

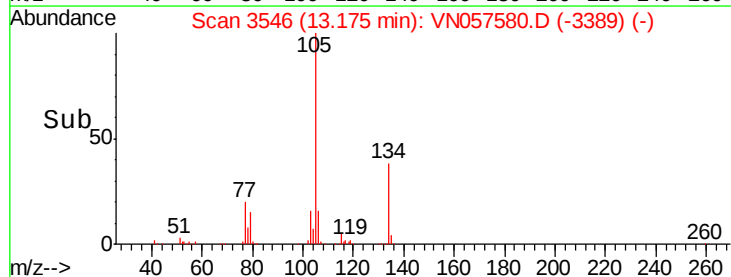
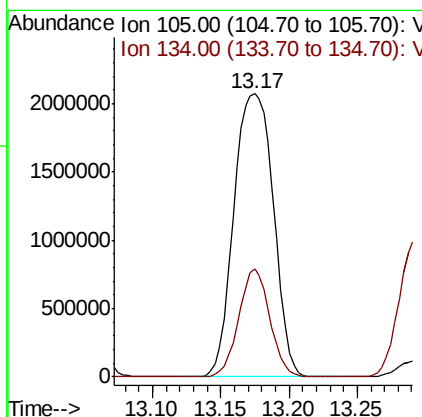
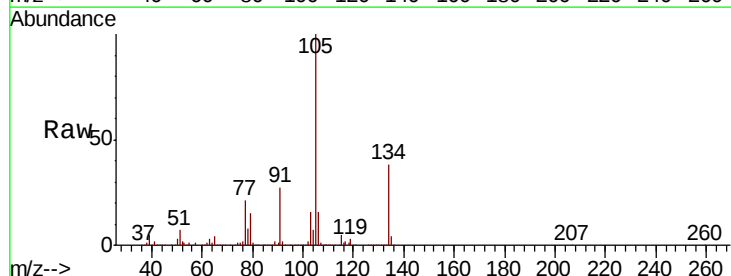
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

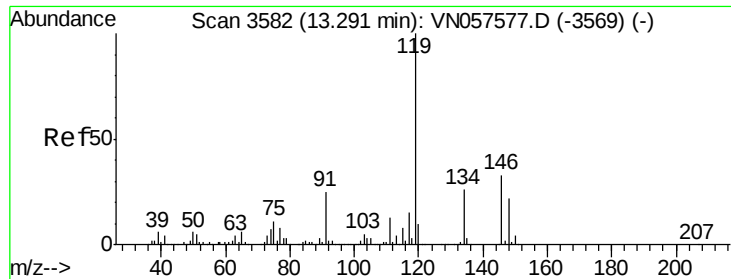
Tgt Ion:105 Resp: 3822561
 Ion Ratio Lower Upper
 105 100
 120 60.3 0.0 87.2



#81
 sec-Butylbenzene
 Concen: 113.696 ug/l
 RT: 13.17 min Scan# 3546
 Delta R.T. 0.00 min
 Lab File: VN057580.D
 Acq: 30 Aug 2019 10:49

Tgt Ion:105 Resp: 4163931
 Ion Ratio Lower Upper
 105 100
 134 29.9 0.0 39.2

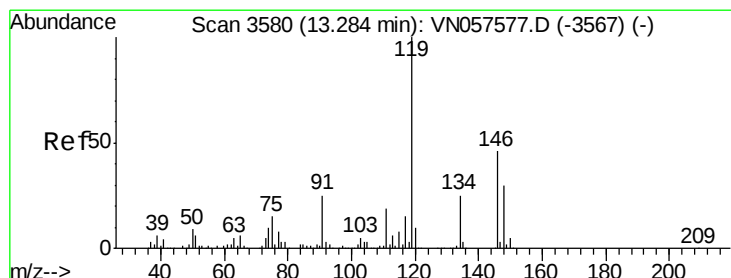
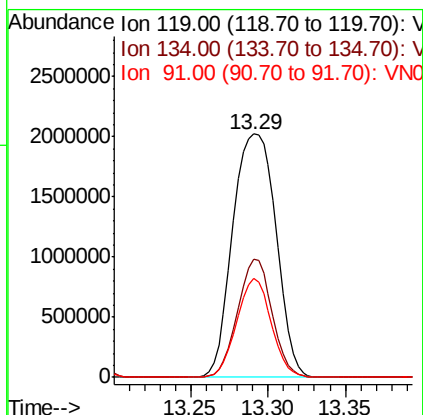
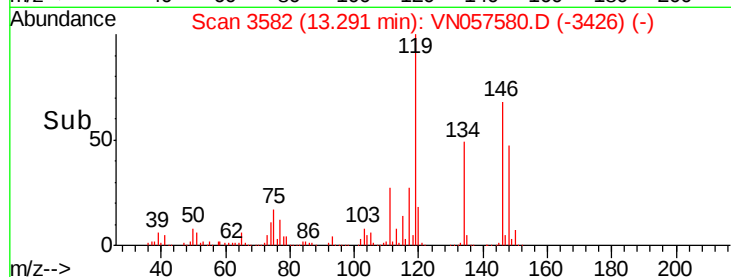
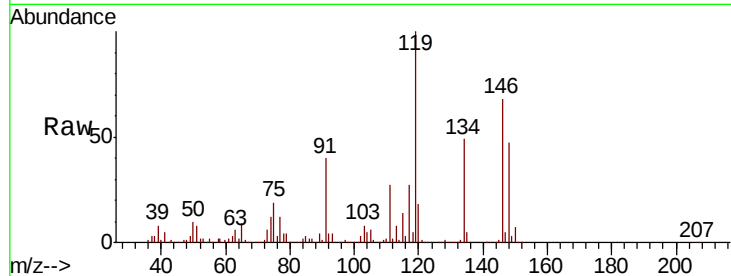




#82
p-Isopropyltoluene
Concen: 126.278 ug/l
RT: 13.29 min Scan# 3582
Delta R.T. 0.00 min
Lab File: VN057580.D
Acq: 30 Aug 2019 10:49

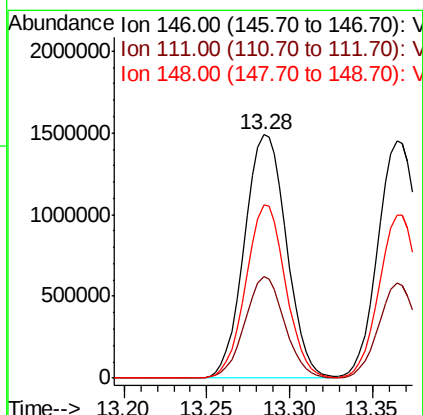
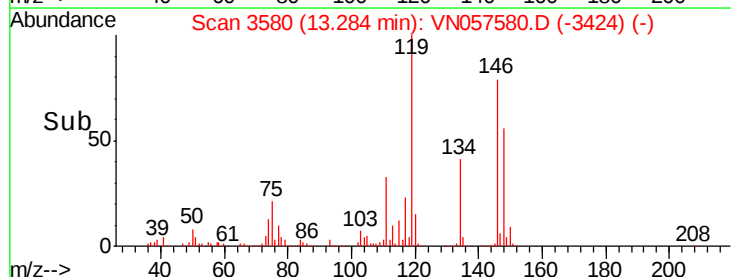
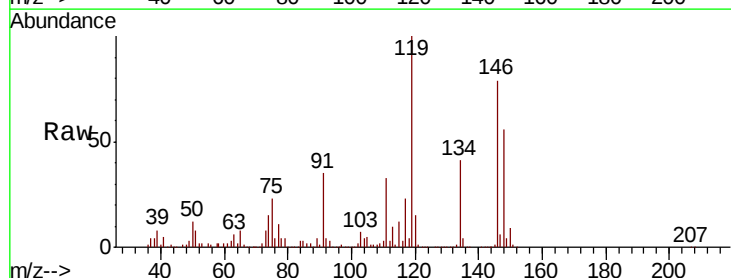
Instrument :
MSVOA_N
ClientSampled :
VSTDIC150

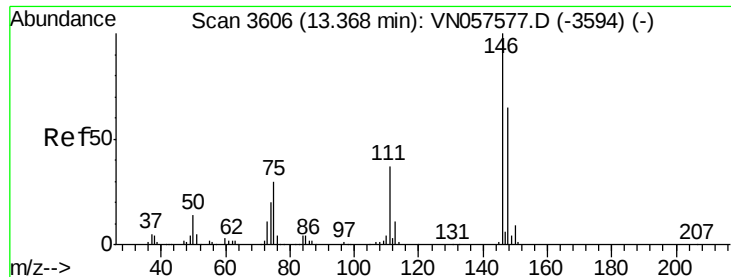
Tgt Ion:119 Resp: 3943138
Ion Ratio Lower Upper
119 100
134 38.5 0.0 51.6
91 32.2 0.0 50.8



#83
1,3-Dichlorobenzene
Concen: 203.958 ug/l
RT: 13.28 min Scan# 3580
Delta R.T. 0.00 min
Lab File: VN057580.D
Acq: 30 Aug 2019 10:49

Tgt Ion:146 Resp: 2625673
Ion Ratio Lower Upper
146 100
111 39.2 20.0 60.0
148 67.4 32.3 96.9





#84

1,4-Dichlorobenzene

Concen: 201.897 ug/l

RT: 13.36 min Scan# 3605

Delta R.T. -0.00 min

Lab File: VN057580.D

Acq: 30 Aug 2019 10:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

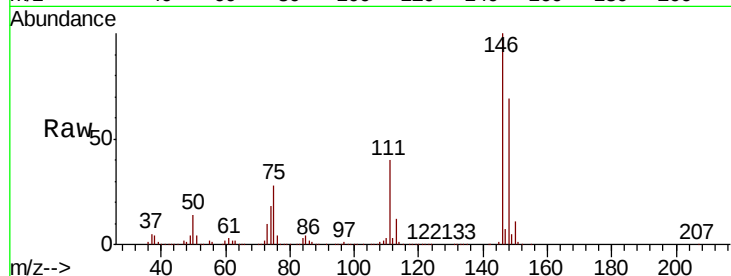
Tgt Ion:146 Resp: 2531201

Ion Ratio Lower Upper

146 100

111 37.8 19.3 57.9

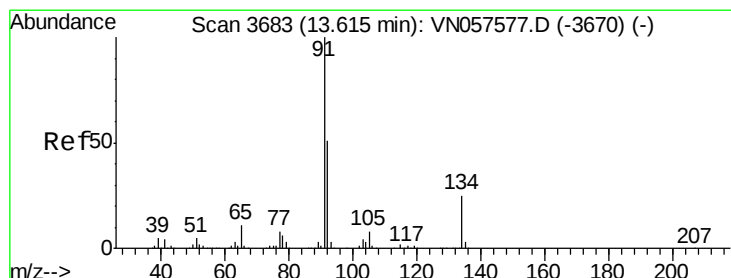
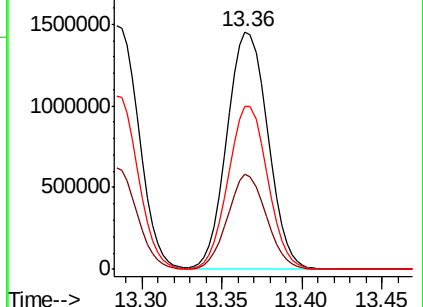
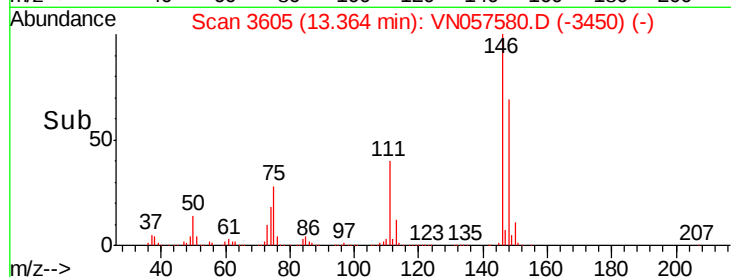
148 66.8 32.2 96.6



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#85

n-Butylbenzene

Concen: 129.257 ug/l

RT: 13.62 min Scan# 3684

Delta R.T. 0.00 min

Lab File: VN057580.D

Acq: 30 Aug 2019 10:49

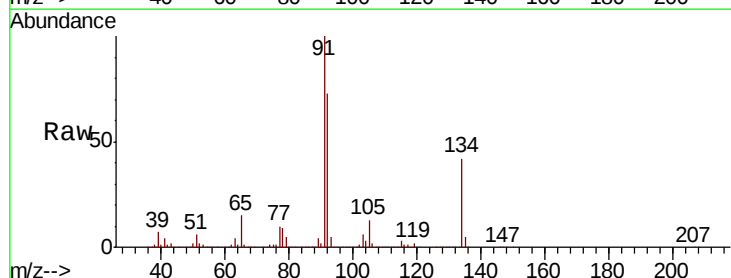
Tgt Ion: 91 Resp: 3440580

Ion Ratio Lower Upper

91 100

92 63.7 0.0 103.0

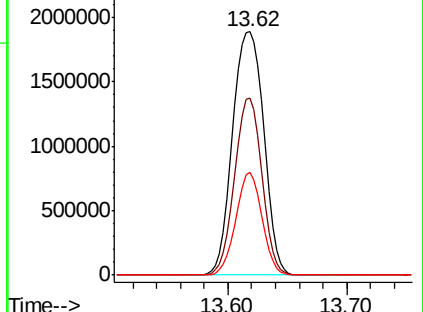
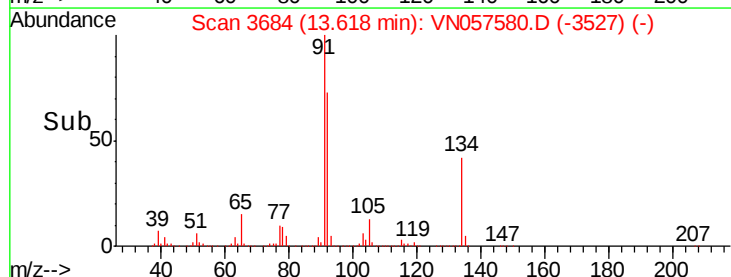
134 35.2 0.0 51.0

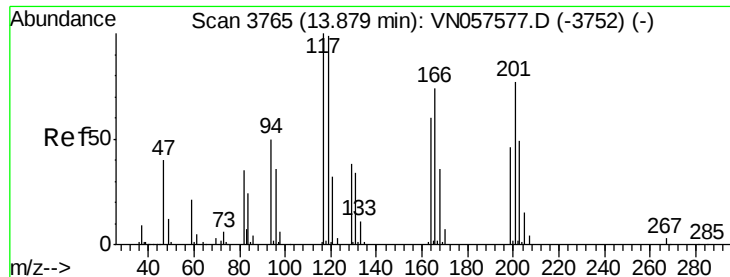


Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V

Ion 134.00 (133.70 to 134.70): V





#86

Hexachloroethane

Concen: 160.035 ug/l

RT: 13.88 min Scan# 3764

Delta R.T. -0.00 min

Lab File: VN057580.D

Acq: 30 Aug 2019 10:49

Instrument :

MSVOA_N

ClientSampleId :

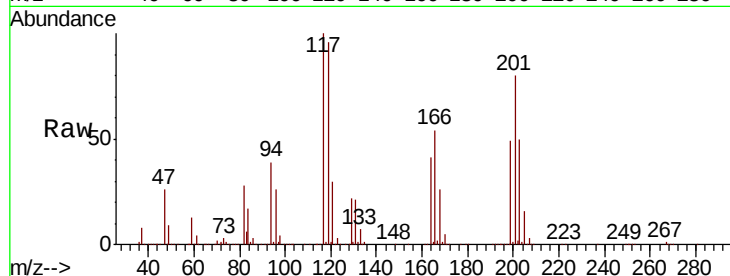
VSTDIC150

Tgt Ion:117 Resp: 967955

Ion Ratio Lower Upper

117 100

201 80.9 38.0 113.9



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 201.00 (200.70 to 201.70): V

13.88

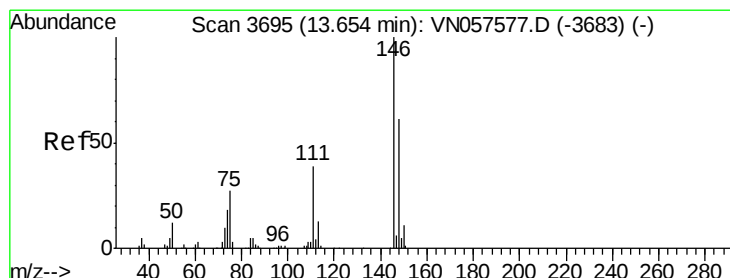
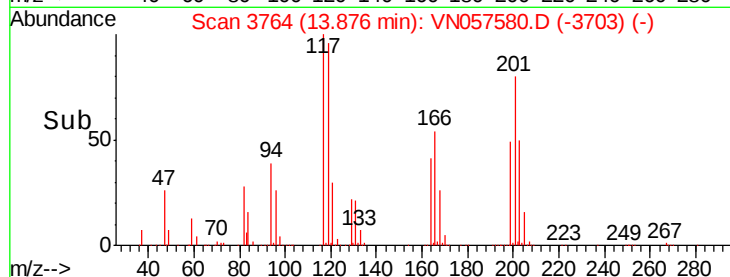
600000

400000

200000

0

Time-->



#87

1,2-Dichlorobenzene

Concen: 197.439 ug/l

RT: 13.66 min Scan# 3696

Delta R.T. 0.00 min

Lab File: VN057580.D

Acq: 30 Aug 2019 10:49

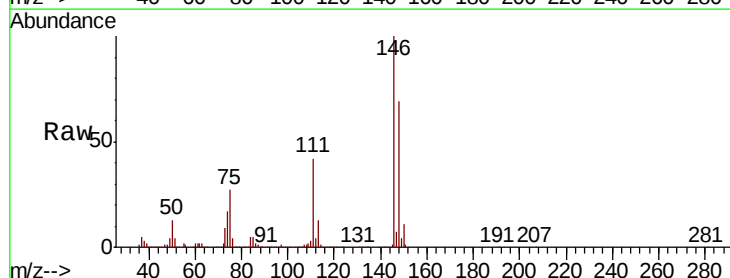
Tgt Ion:146 Resp: 2495734

Ion Ratio Lower Upper

146 100

111 40.0 19.9 59.6

148 66.2 31.2 93.6



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

13.66

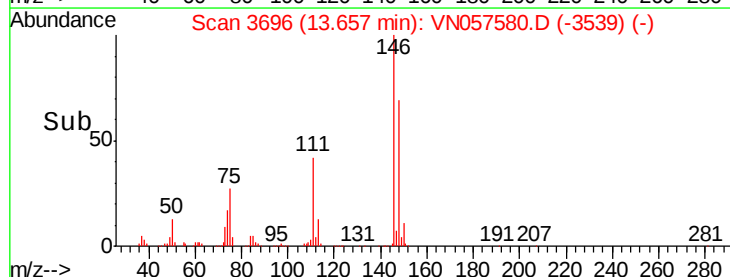
1500000

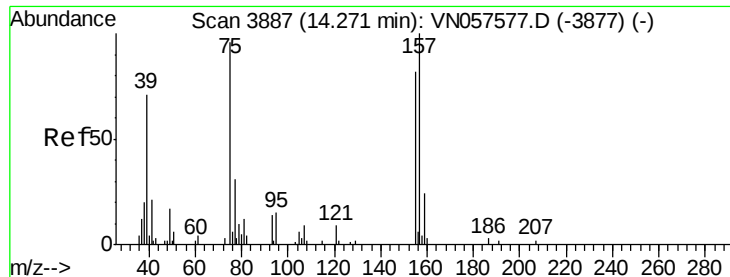
1000000

500000

0

Time-->





#88

1,2-Dibromo-3-Chloropropane

Concen: 129.658 ug/l

RT: 14.27 min Scan# 3888

Delta R.T. 0.00 min

Lab File: VN057580.D

Acq: 30 Aug 2019 10:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

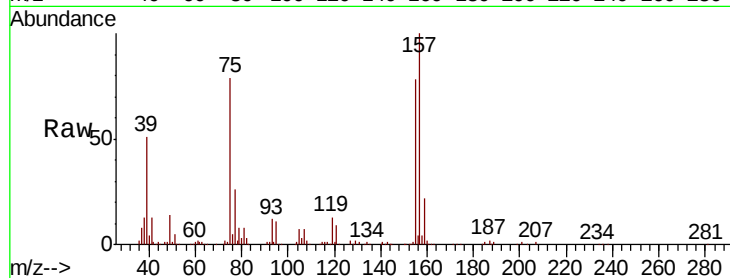
Tgt Ion: 75 Resp: 237948

Ion Ratio Lower Upper

75 100

155 95.6 66.5 99.7

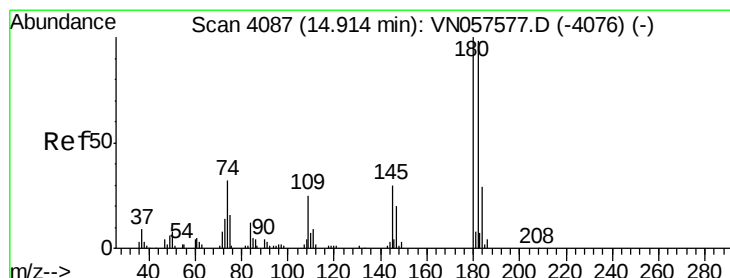
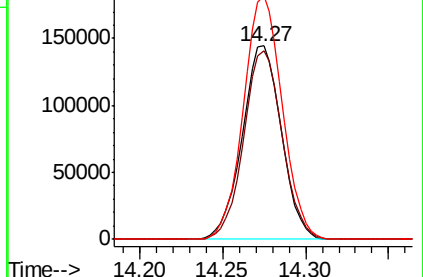
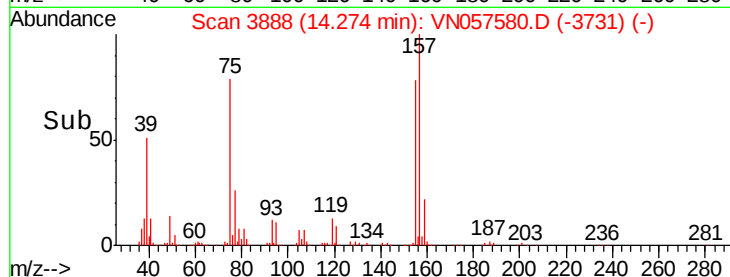
157 124.7 88.4 132.6



Abundance Ion 75.00 (74.70 to 75.70): VN057580.D (-3731) (-)

Ion 155.00 (154.70 to 155.70): VN057580.D (-3731) (-)

Ion 157.00 (156.70 to 157.70): VN057580.D (-3731) (-)



#89

1,2,4-Trichlorobenzene

Concen: 250.981 ug/l

RT: 14.91 min Scan# 4087

Delta R.T. 0.00 min

Lab File: VN057580.D

Acq: 30 Aug 2019 10:49

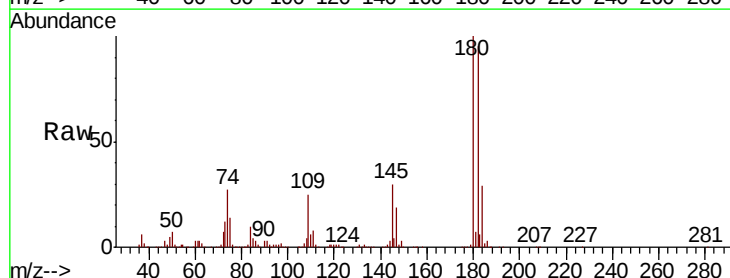
Tgt Ion: 180 Resp: 1185458

Ion Ratio Lower Upper

180 100

182 94.5 76.6 115.0

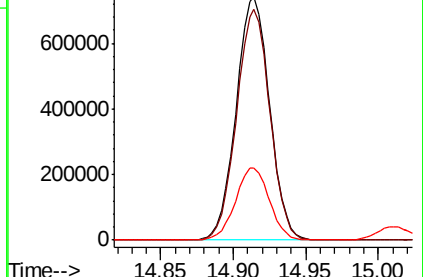
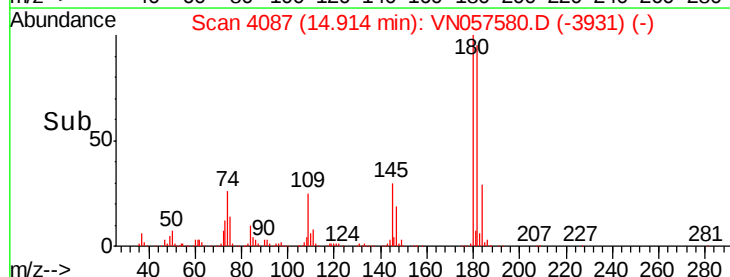
145 30.2 24.4 36.6

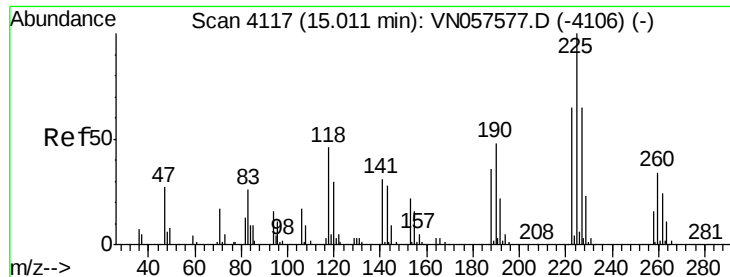


Abundance Ion 180.00 (179.70 to 180.70): VN057580.D (-3931) (-)

Ion 182.00 (181.70 to 182.70): VN057580.D (-3931) (-)

Ion 145.00 (144.70 to 145.70): VN057580.D (-3931) (-)





#90

Hexachlorobutadiene

Concen: 196.987 ug/l

RT: 15.01 min Scan# 4117

Delta R.T. 0.00 min

Lab File: VN057580.D

Acq: 30 Aug 2019 10:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

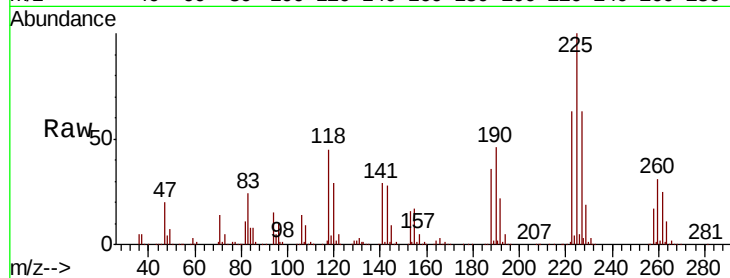
Tgt Ion:225 Resp: 720952

Ion Ratio Lower Upper

225 100

223 62.7 0.0 130.6

227 63.0 0.0 131.0

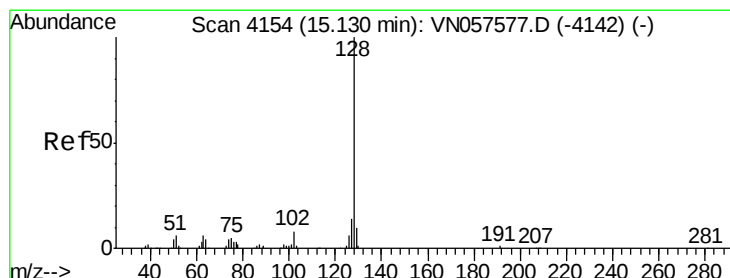
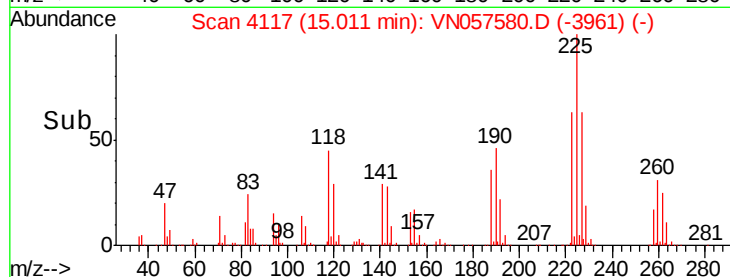
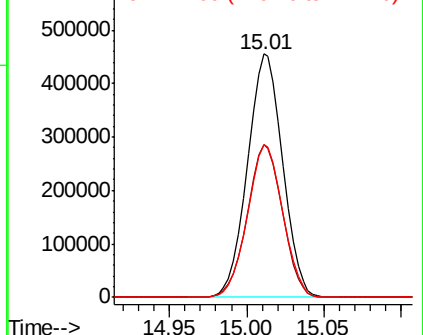


Abundance

Ion 225.00 (224.70 to 225.70): V

Ion 223.00 (222.70 to 223.70): V

Ion 227.00 (226.70 to 227.70): V



#91

Naphthalene

Concen: 198.501 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN057580.D

Acq: 30 Aug 2019 10:49

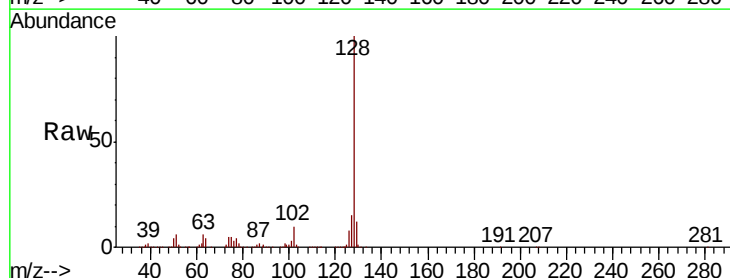
Tgt Ion:128 Resp: 2948245

Ion Ratio Lower Upper

128 100

127 13.9 10.6 16.0

129 11.4 8.1 12.1

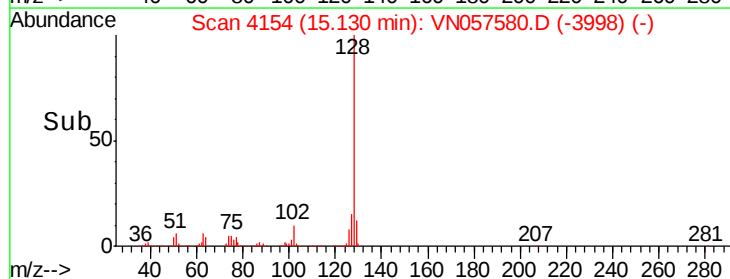
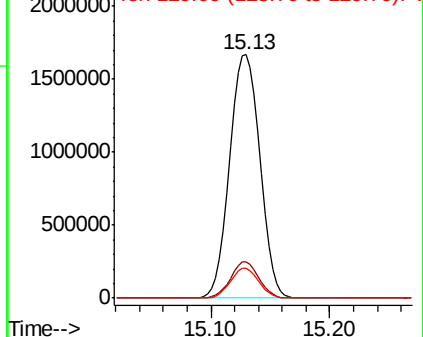


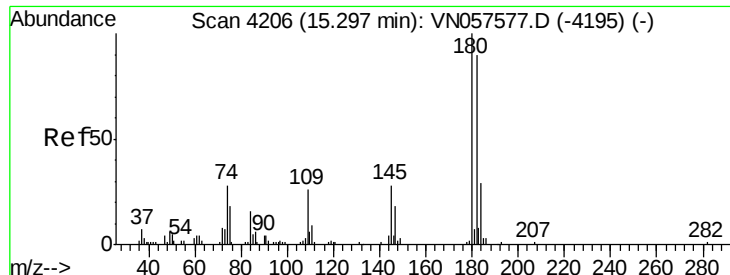
Abundance

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

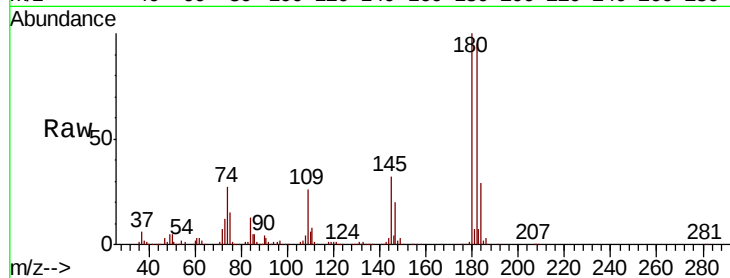




#92
 1,2,3-Trichlorobenzene
 Concen: 245.721 ug/l
 RT: 15.30 min Scan# 4206
 Delta R.T. 0.00 min
 Lab File: VN057580.D
 Acq: 30 Aug 2019 10:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.6	0.0	181.0
145	32.1	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

