

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN083019\
 Data File : VN057588.D
 Acq On : 30 Aug 2019 14:43
 Operator : JC/SP
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Quant Time: Aug 31 00:07:19 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N083019W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Sat Aug 31 00:00:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.18	128	83022	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.58	114	496640	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	428118	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.01	65	202357	31.63	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	105.43%
60) 4-Bromofluorobenzene	12.40	95	188658	28.99	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	96.63%
63) Toluene-d8	10.08	98	608743	30.70	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	102.33%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.85	85	91093	20.630 ug/l	97
3) Chloromethane	2.06	50	83880	21.470 ug/l	99
4) Vinyl Chloride	2.18	62	132693	21.891 ug/l	98
5) Bromomethane	2.56	94	122803	22.054 ug/l	98
6) Chloroethane	2.70	64	88887	21.664 ug/l	97
7) Trichlorofluoromethane	3.01	101	300910	22.467 ug/l	96
8) Diethyl Ether	3.40	74	95683	22.205 ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.74	101	183156	22.848 ug/l	97
10) 1,1-Dichloroethene	3.72	96	166188	22.567 ug/l	99
11) Methyl Iodide	3.93	142	273218	21.462 ug/l	98
12) Methyl Acetate	4.32	43	83817	21.109 ug/l	98
13) Acrolein	3.59	56	52566	103.890 ug/l	95
14) Acrylonitrile	4.98	53	163292	104.672 ug/l #	92
15) Acetone	3.81	58	89368	106.140 ug/l	99
16) Carbon Disulfide	4.03	76	150577	19.598 ug/l	100
17) Allyl chloride	4.30	41	107511	20.462 ug/l	99
18) Methylene Chloride	4.53	84	87095	20.585 ug/l	97
19) trans-1,2-Dichloroethene	5.02	96	89043	21.173 ug/l	96
20) Diisopropyl ether	5.94	45	264810	21.105 ug/l	99
21) 1,1-Dichloroethane	5.83	63	165154	20.847 ug/l	97
22) cis-1,2-Dichloroethene	6.82	96	115408	20.592 ug/l	97
23) tert-Butyl Alcohol	4.80	59	65334	112.928 ug/l #	100
24) Methyl tert-Butyl Ether	5.03	73	283458	20.916 ug/l	99
25) Chloroform	7.36	83	193235	20.075 ug/l	99
26) Cyclohexane	7.64	56	137674	20.841 ug/l #	96
29) 1,1-Dichloropropene	7.78	75	133398	19.847 ug/l	99
30) 2-Butanone	6.82	43	221574	101.643 ug/l #	98
31) 2,2-Dichloropropane	6.81	77	155212	19.304 ug/l	99
32) 1,1,1-Trichloroethane	7.55	97	178316	19.788 ug/l	99
33) Carbon Tetrachloride	7.76	117	143574	18.778 ug/l	96
34) Benzene	8.03	78	401762	19.938 ug/l	95
35) Methacrylonitrile	7.17	41	47030	21.797 ug/l	92
36) 1,2-Dichloroethane	8.11	62	155511	20.917 ug/l	100
37) Trichloroethene	8.83	130	116024	19.880 ug/l	96
38) Methylcyclohexane	9.07	83	161487	19.726 ug/l	99
39) 1,2-Dichloropropane	9.11	63	100453	20.373 ug/l	97
40) Dibromomethane	9.20	93	73825	19.447 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	150533	19.355	ug/l	99
42) Vinyl Acetate	5.88	43	1045567	107.957	ug/l	99
43) Ethyl Acetate	6.92	43	93160	22.158	ug/l #	89
44) Isopropyl Acetate	8.16	43	173556	20.636	ug/l	98
45) 1,4-Dioxane	9.20	88	29925	413.246	ug/l #	91
46) Methyl methacrylate	9.19	41	78371	20.092	ug/l	95
47) n-amyl Acetate	12.07	43	139367	20.017	ug/l	99
48) t-1,3-Dichloropropene	10.38	75	138863	17.988	ug/l	96
49) cis-1,3-Dichloropropene	9.83	75	156823	18.757	ug/l	97
50) 1,1,2-Trichloroethane	10.56	97	105232	19.422	ug/l	97
51) Ethyl methacrylate	10.43	69	134233	19.035	ug/l	97
52) 1,3-Dichloropropane	10.70	76	168069	19.908	ug/l	95
53) Dibromochloromethane	10.90	129	109767	17.994	ug/l	99
54) 1,2-Dibromoethane	11.00	107	104935	18.686	ug/l	98
55) 2-Chloroethyl vinyl ether	9.69	63	158673	91.672	ug/l	96
56) Bromoform	12.13	173	67762	16.987	ug/l	99
58) 4-Methyl-2-Pentanone	9.98	43	492507	113.844	ug/l	100
59) 2-Hexanone	10.75	43	326266	106.664	ug/l	95
61) Tetrachloroethene	10.63	164	107145	19.576	ug/l	94
62) Toluene	10.15	91	459143	21.150	ug/l	100
64) Chlorobenzene	11.43	112	276675	19.792	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.51	131	107708	19.415	ug/l	98
66) Ethyl Benzene	11.51	91	508135	21.758	ug/l	100
67) m/p-Xylenes	11.62	106	376313	40.274	ug/l	100
68) o-Xylene	11.95	106	187105	19.930	ug/l	99
69) Styrene	11.96	104	286130	19.230	ug/l	98
70) Isopropylbenzene	12.25	105	504972	21.458	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.51	83	127022	20.293	ug/l	97
72) 1,2,3-Trichloropropane	12.55	75	152041	28.612	ug/l	61
73) Bromobenzene	12.53	156	114715	19.069	ug/l	99
74) n-propylbenzene	12.59	91	515051	21.231	ug/l	100
75) 2-Chlorotoluene	12.67	91	314791	20.090	ug/l	100
76) 1,3,5-Trimethylbenzene	12.73	105	418144	20.997	ug/l	100
77) t-1,4-Dichloro-2-butene	12.30	75	31281	18.586	ug/l	91
78) 4-Chlorotoluene	12.77	91	291824	19.361	ug/l	100
79) tert-butylbenzene	12.99	119	366826	20.155	ug/l	99
80) 1,2,4-Trimethylbenzene	13.04	105	398404	21.223	ug/l	97
81) sec-Butylbenzene	13.17	105	461950	20.879	ug/l	99
82) p-Isopropyltoluene	13.29	119	408590	20.825	ug/l	99
83) 1,3-Dichlorobenzene	13.29	146	173349	17.815	ug/l	99
84) 1,4-Dichlorobenzene	13.37	146	161406	17.295	ug/l	99
85) n-Butylbenzene	13.62	91	290819	19.032	ug/l	100
86) Hexachloroethane	13.88	117	67989	18.121	ug/l	99
87) 1,2-Dichlorobenzene	13.66	146	173635	18.566	ug/l	97
88) 1,2-Dibromo-3-Chloropropan	14.27	75	16165	17.197	ug/l	98
89) 1,2,4-Trichlorobenzene	14.91	180	45442	13.186	ug/l	98
90) Hexachlorobutadiene	15.01	225	54810	18.491	ug/l	98
91) Naphthalene	15.13	128	140547	14.653	ug/l	99
92) 1,2,3-Trichlorobenzene	15.30	180	48901	14.324	ug/l	99

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

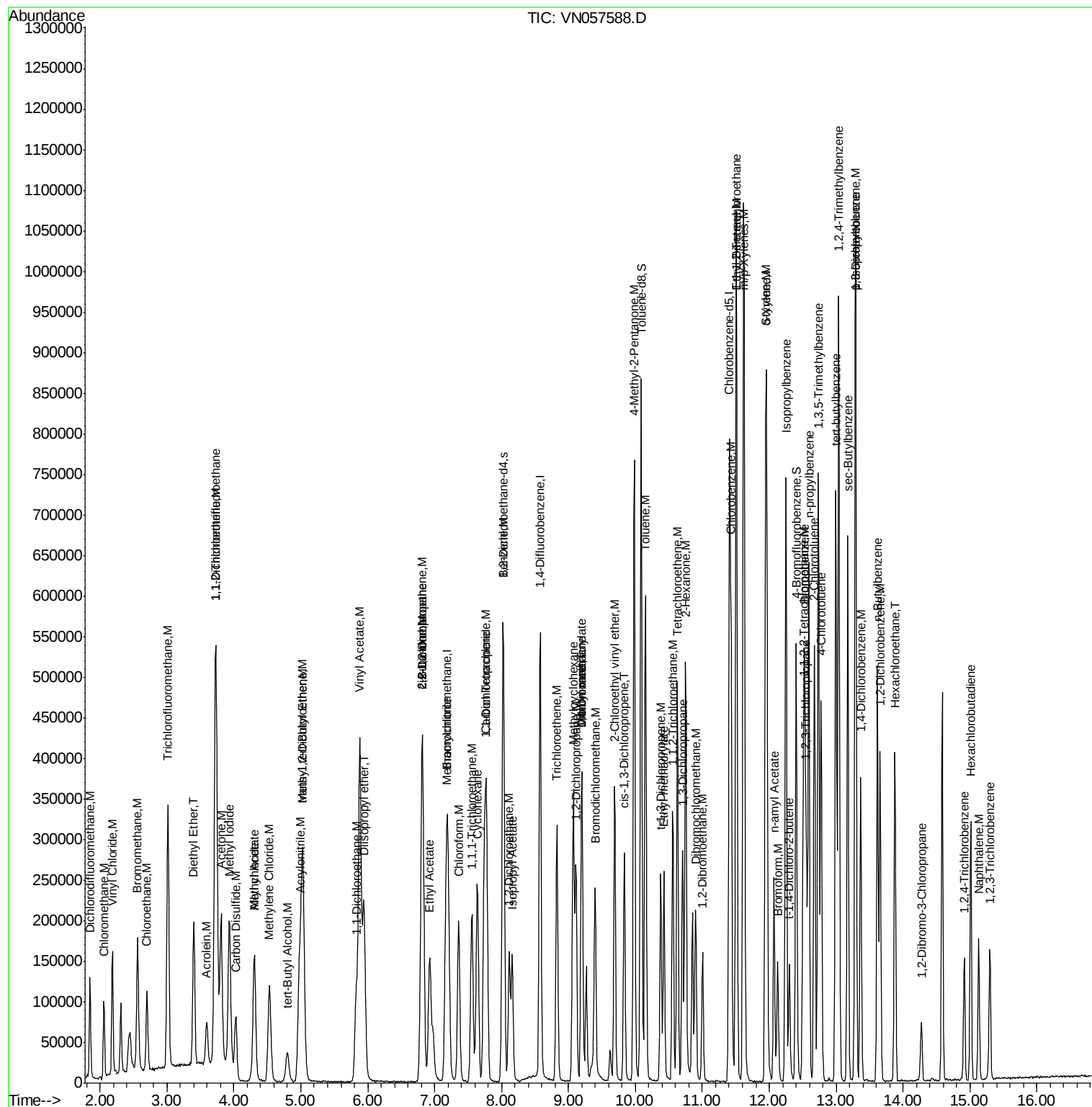
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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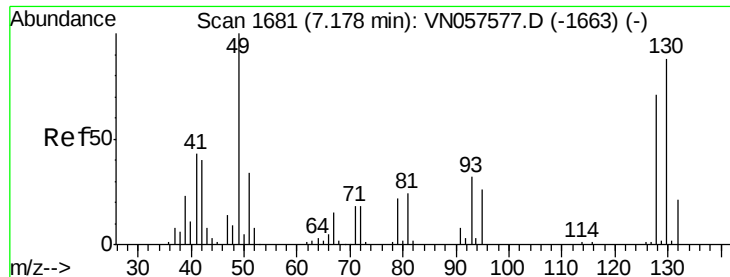
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_N\DATA\VN083019\
 Data File : VN057588.D
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 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Quant Time: Aug 31 00:07:19 2019
 Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\624N083019W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.18 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VN057588.D

Acq: 30 Aug 2019 14:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

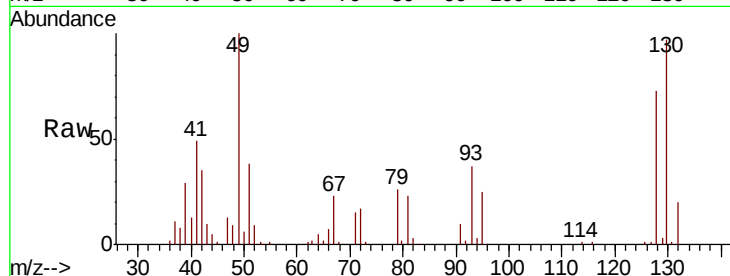
Tgt Ion:128 Resp: 83022

Ion Ratio Lower Upper

128 100

49 139.9 0.0 352.3

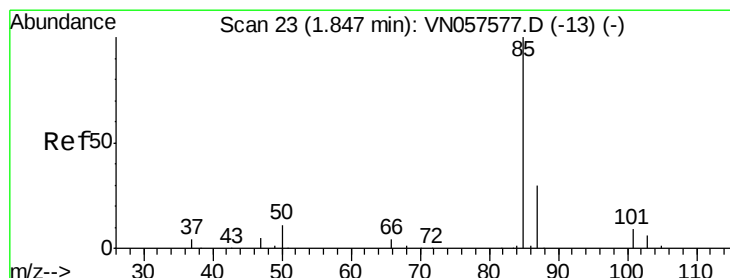
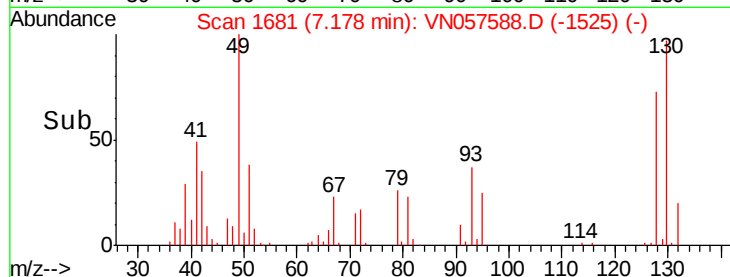
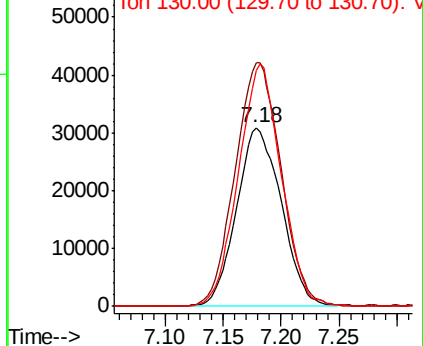
130 130.3 0.0 324.7



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VN0

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 20.630 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN057588.D

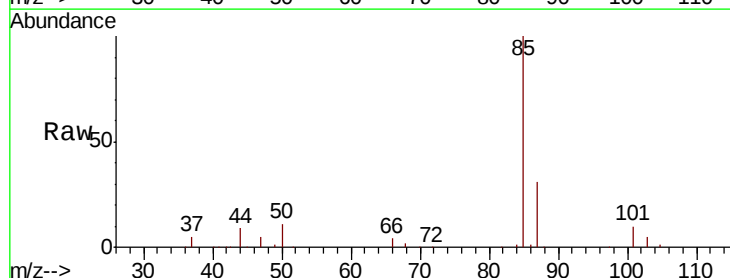
Acq: 30 Aug 2019 14:43

Tgt Ion: 85 Resp: 91093

Ion Ratio Lower Upper

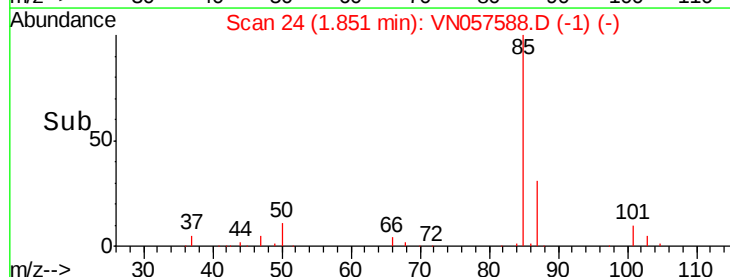
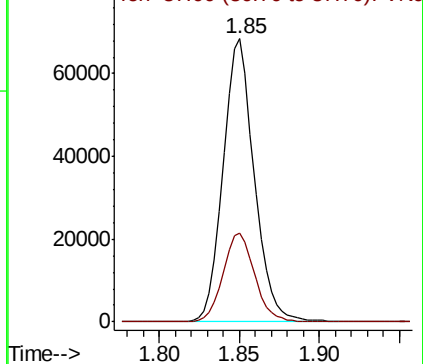
85 100

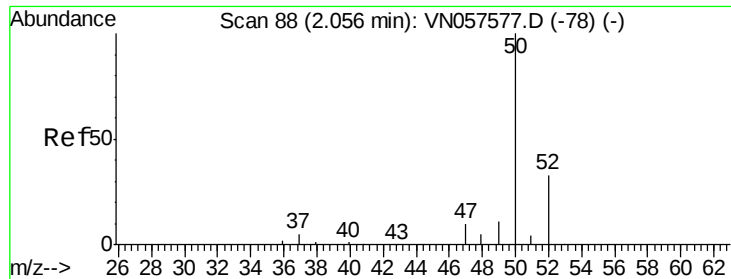
87 31.5 15.0 45.0



Abundance Ion 85.00 (84.70 to 85.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

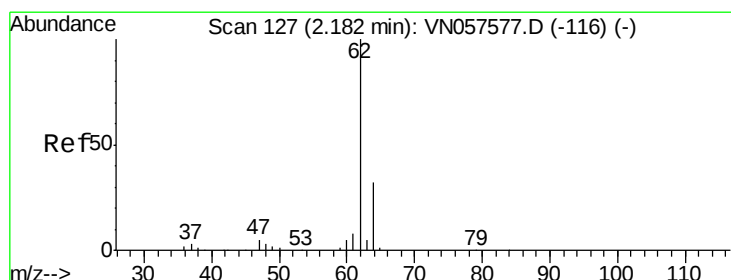
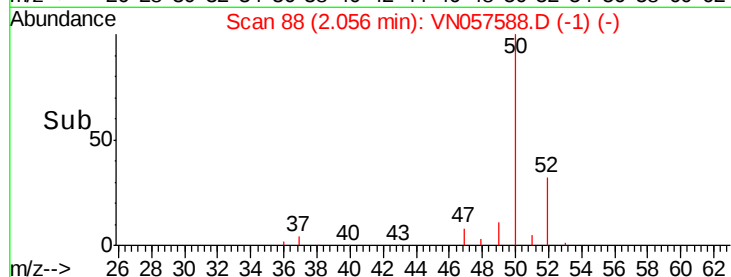
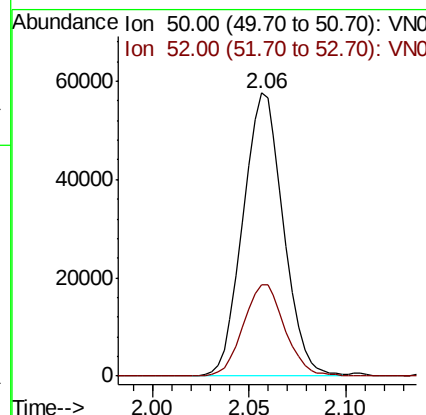
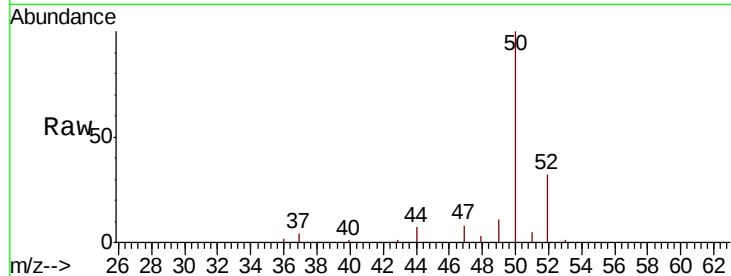




#3
Chloromethane
Concen: 21.470 ug/l
RT: 2.06 min Scan# 88
Delta R.T. 0.00 min
Lab File: VN057588.D
Acq: 30 Aug 2019 14:43

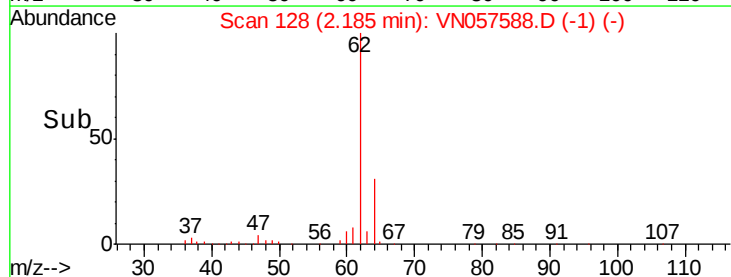
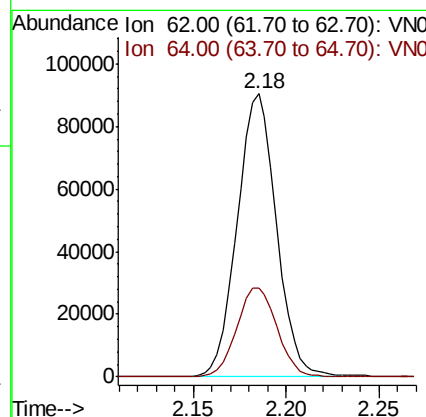
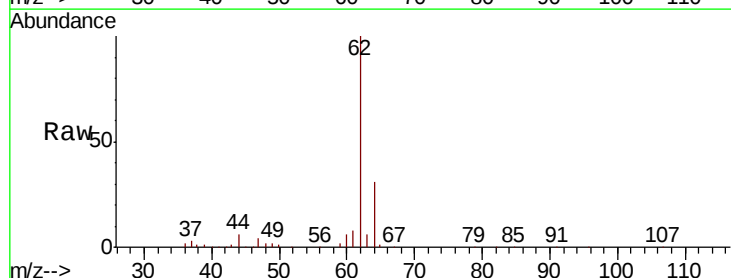
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

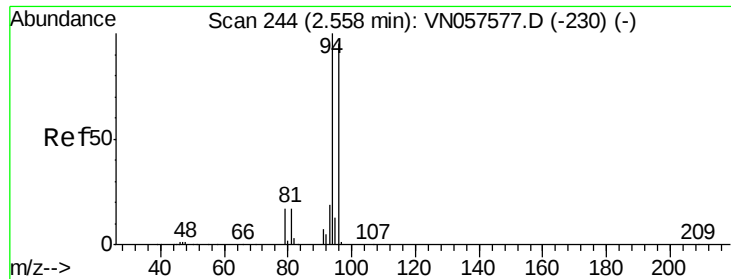
Tgt Ion: 50 Resp: 83880
Ion Ratio Lower Upper
50 100
52 32.3 26.2 39.2



#4
Vinyl Chloride
Concen: 21.891 ug/l
RT: 2.18 min Scan# 128
Delta R.T. 0.00 min
Lab File: VN057588.D
Acq: 30 Aug 2019 14:43

Tgt Ion: 62 Resp: 132693
Ion Ratio Lower Upper
62 100
64 31.4 25.9 38.9





#5

Bromomethane

Concen: 22.054 ug/l

RT: 2.56 min Scan# 244

Delta R.T. 0.00 min

Lab File: VN057588.D

Acq: 30 Aug 2019 14:43

Instrument :

MSVOA_N

ClientSampleId :

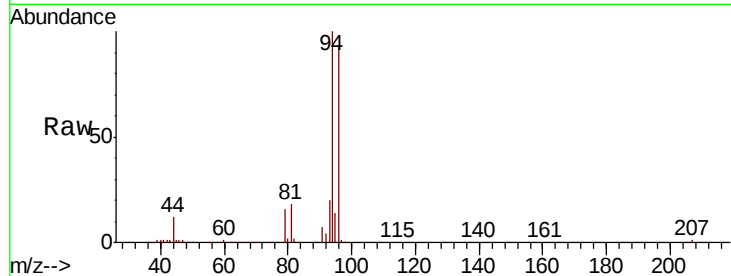
VSTDCCC020EC

Tgt Ion: 94 Resp: 122803

Ion Ratio Lower Upper

94 100

96 93.0 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) (-)

2.56

60000

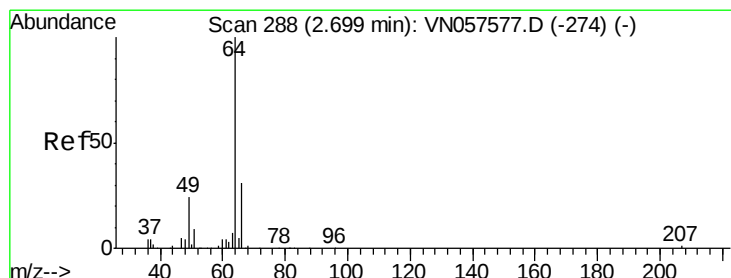
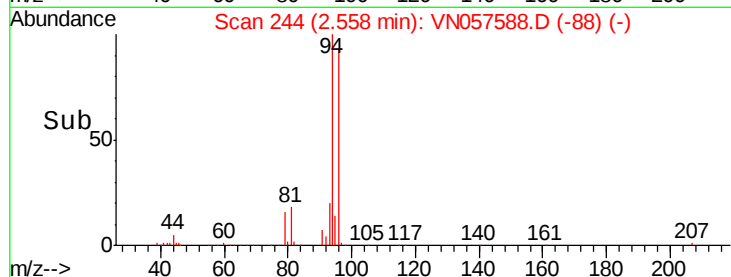
40000

20000

0

Time-->

2.45 2.50 2.55 2.60 2.65



#6

Chloroethane

Concen: 21.664 ug/l

RT: 2.70 min Scan# 288

Delta R.T. 0.00 min

Lab File: VN057588.D

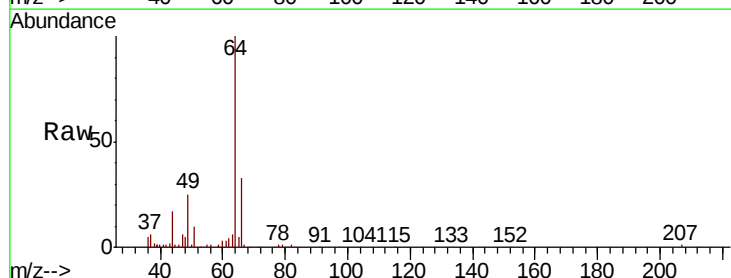
Acq: 30 Aug 2019 14:43

Tgt Ion: 64 Resp: 88887

Ion Ratio Lower Upper

64 100

66 33.0 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) (-)

2.70

50000

40000

30000

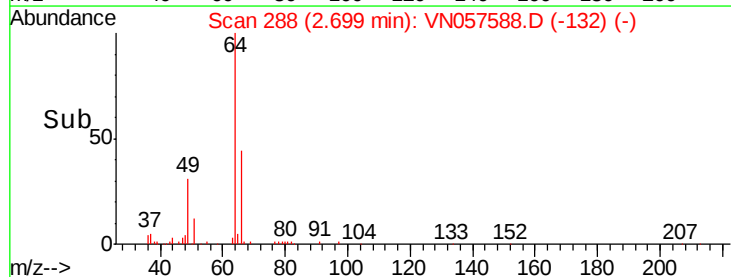
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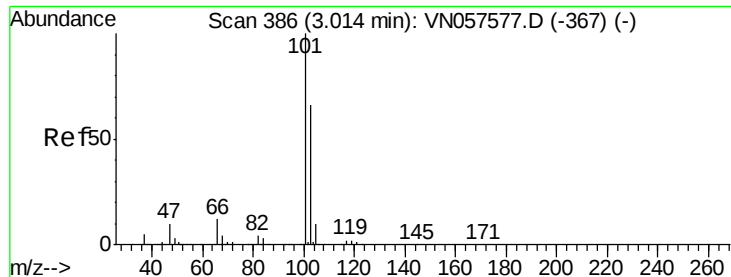
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0

Time-->

2.60 2.65 2.70 2.75 2.80



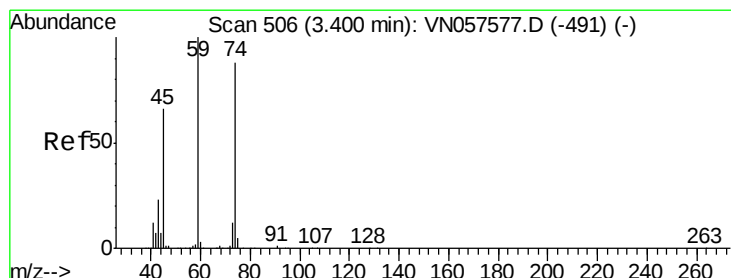
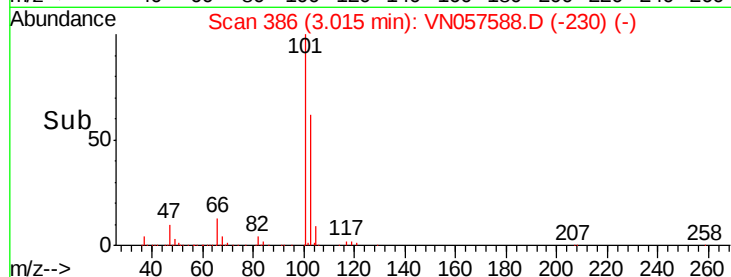
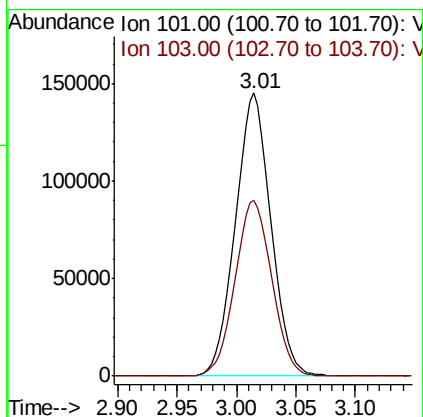
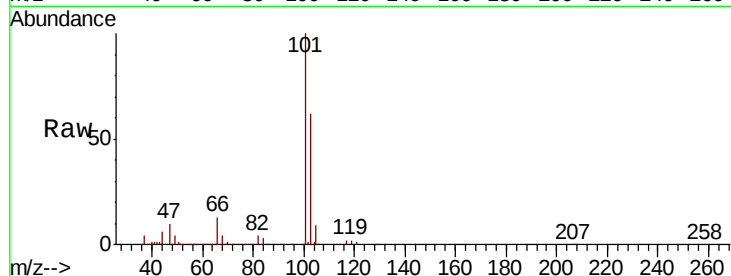


#7

Trichlorofluoromethane
 Concen: 22.467 ug/l
 RT: 3.01 min Scan# 386
 Delta R.T. 0.00 min
 Lab File: VN057588.D
 Acq: 30 Aug 2019 14:43

Instrument :
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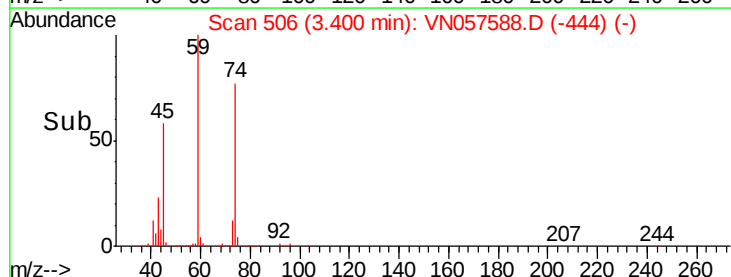
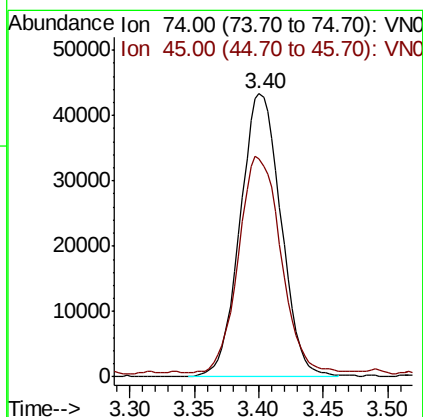
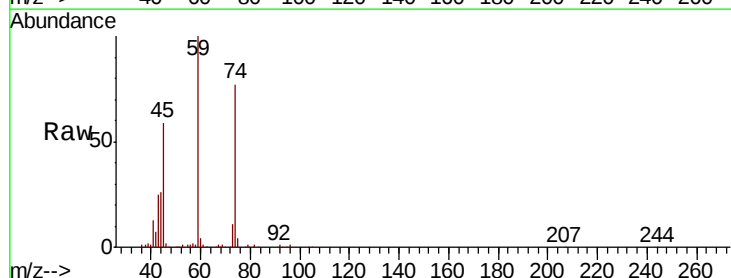
Tgt Ion:101 Resp: 300910
 Ion Ratio Lower Upper
 101 100
 103 62.0 52.4 78.6

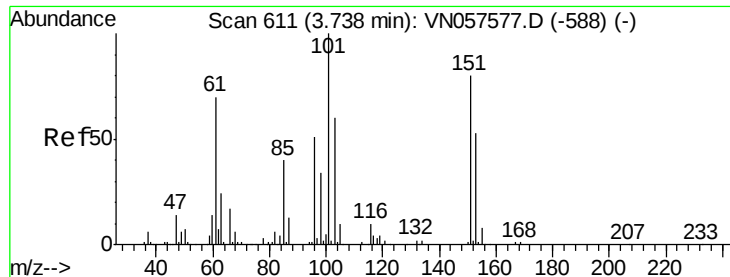


#8

Diethyl Ether
 Concen: 22.205 ug/l
 RT: 3.40 min Scan# 506
 Delta R.T. 0.00 min
 Lab File: VN057588.D
 Acq: 30 Aug 2019 14:43

Tgt Ion: 74 Resp: 95683
 Ion Ratio Lower Upper
 74 100
 45 78.8 15.2 137.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.848 ug/l

RT: 3.74 min Scan# 611

Delta R.T. 0.00 min

Lab File: VN057588.D

Acq: 30 Aug 2019 14:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

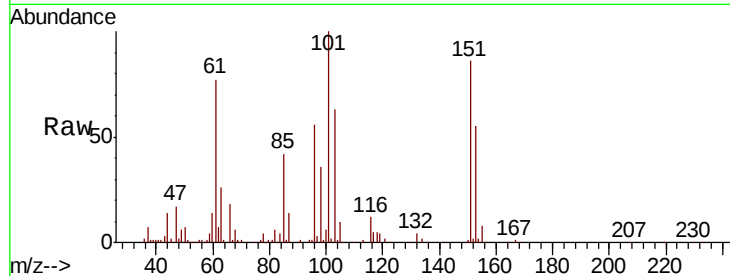
Tgt Ion:101 Resp: 183156

Ion Ratio Lower Upper

101 100

85 41.6 0.0 83.2

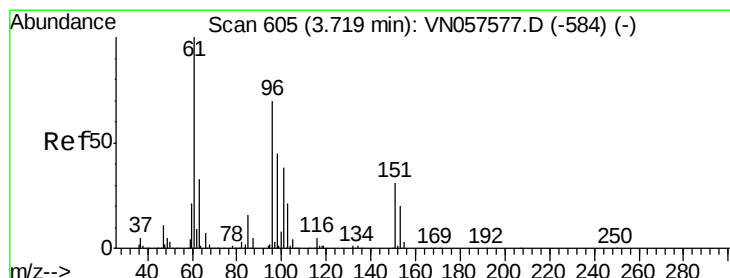
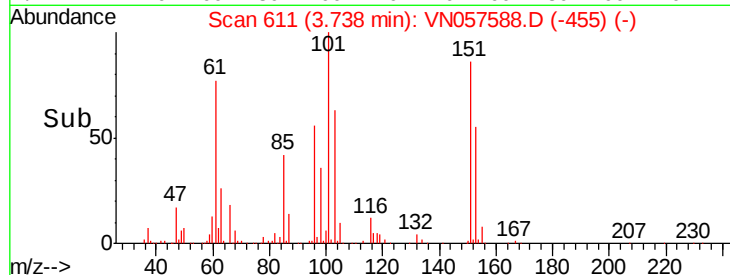
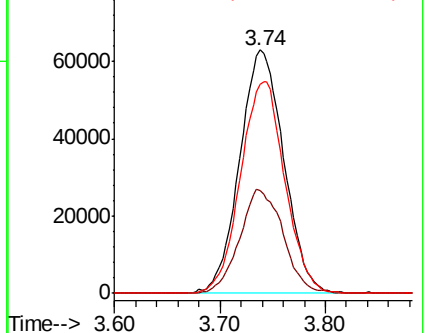
151 87.2 0.0 166.6



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: 22.567 ug/l

RT: 3.72 min Scan# 605

Delta R.T. 0.00 min

Lab File: VN057588.D

Acq: 30 Aug 2019 14:43

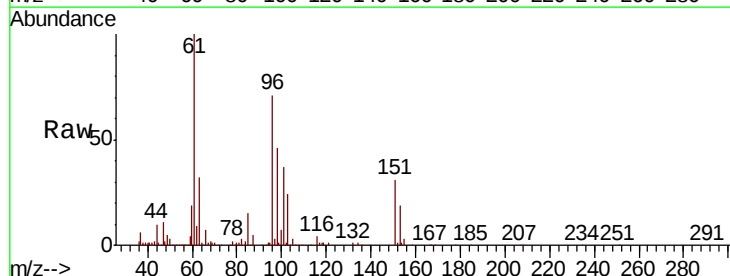
Tgt Ion: 96 Resp: 166188

Ion Ratio Lower Upper

96 100

61 140.8 114.2 171.4

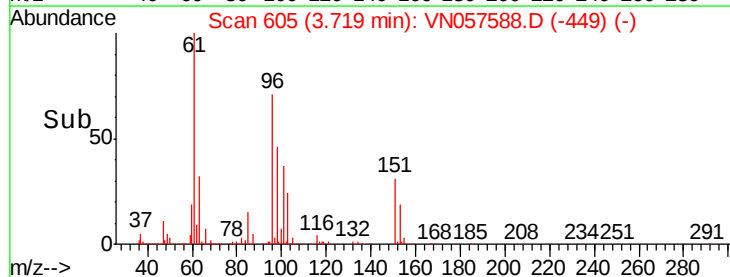
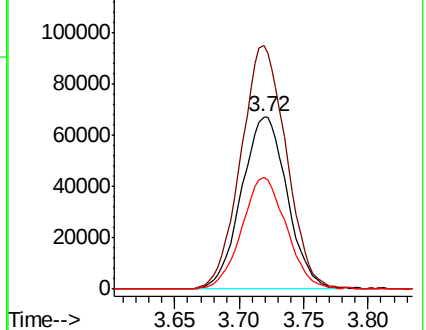
98 64.8 51.8 77.6

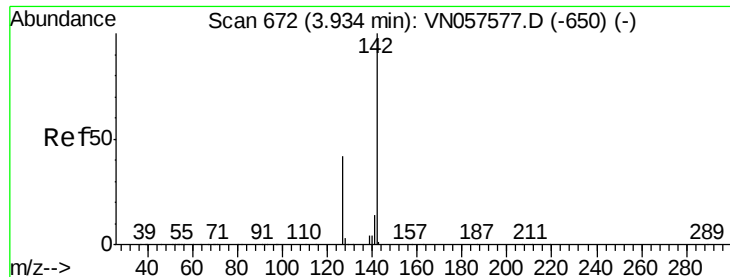


Abundance Ion 96.00 (95.70 to 96.70): VN

Ion 61.00 (60.70 to 61.70): VN

Ion 98.00 (97.70 to 98.70): VN

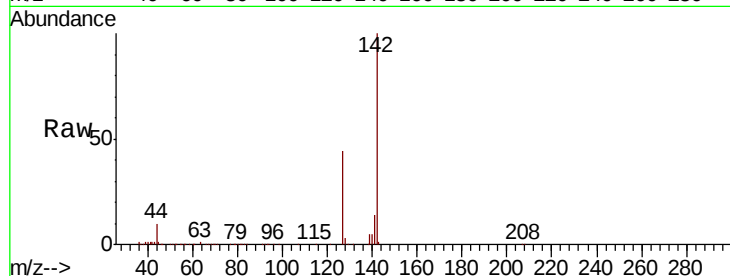




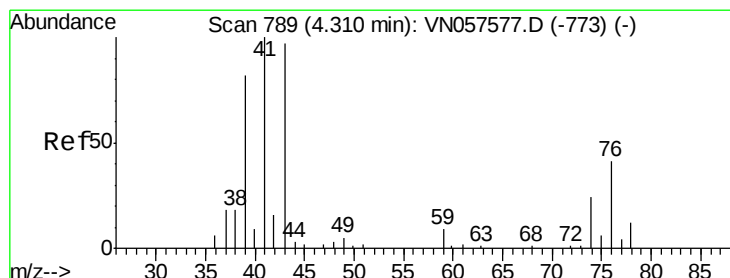
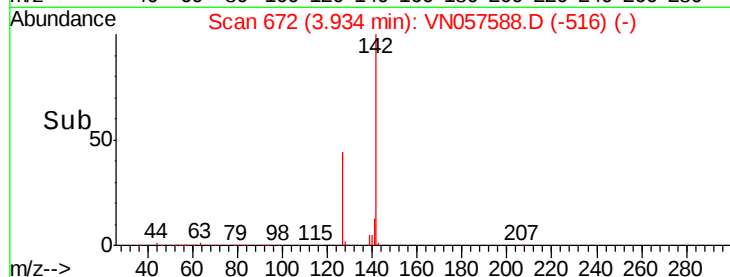
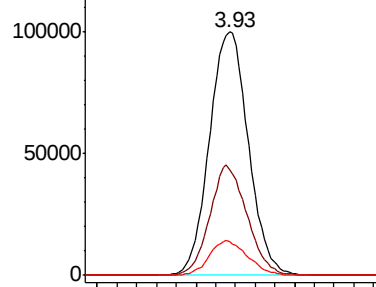
#11
Methyl Iodide
Concen: 21.462 ug/l
RT: 3.93 min Scan# 672
Delta R.T. 0.00 min
Lab File: VN057588.D
Acq: 30 Aug 2019 14:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion	Ratio	Lower	Upper
142	100		
127	43.6	20.8	62.4
141	13.7	6.8	20.4

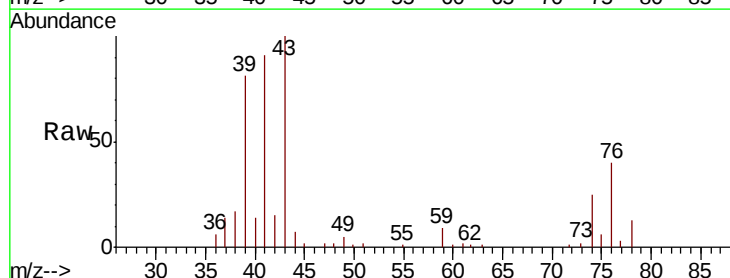


Abundance Ion 142.00 (141.70 to 142.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 141.00 (140.70 to 141.70): V

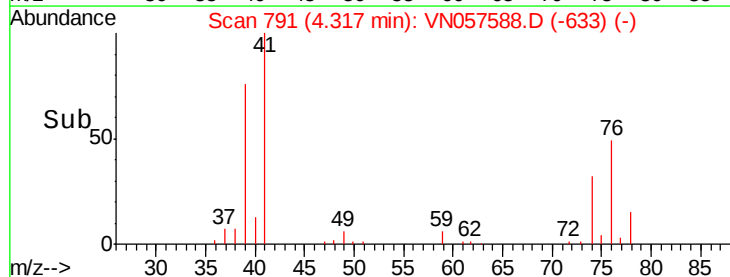
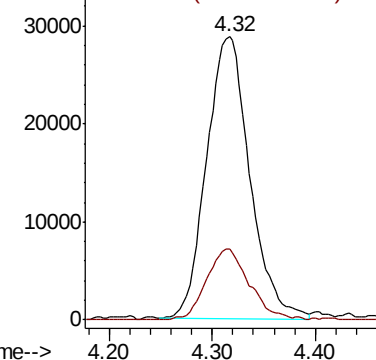


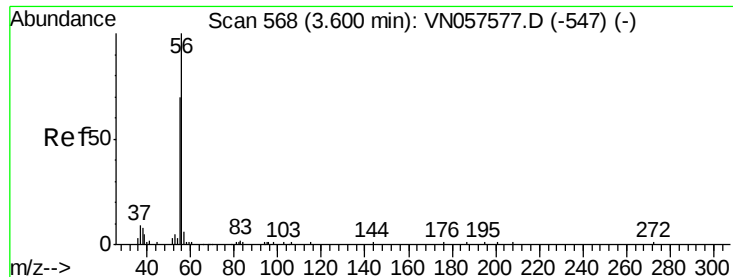
#12
Methyl Acetate
Concen: 21.109 ug/l
RT: 4.32 min Scan# 791
Delta R.T. 0.01 min
Lab File: VN057588.D
Acq: 30 Aug 2019 14:43

Tgt Ion	Ratio	Lower	Upper
43	100		
74	25.5	19.6	29.4



Abundance Ion 43.00 (42.70 to 43.70): VNO
Ion 74.00 (73.70 to 74.70): VNO





#13

Acrolein

Concen: 103.890 ug/l

RT: 3.59 min Scan# 566

Delta R.T. -0.01 min

Lab File: VN057588.D

Acq: 30 Aug 2019 14:43

Instrument :

MSVOA_N

ClientSampleId :

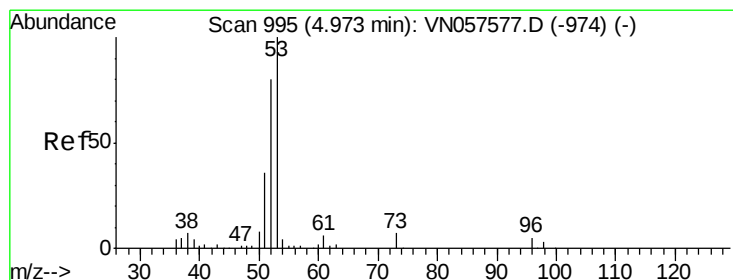
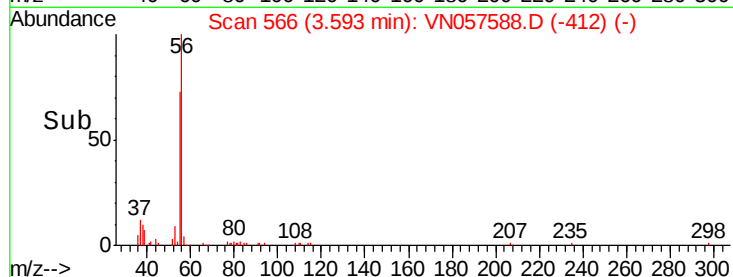
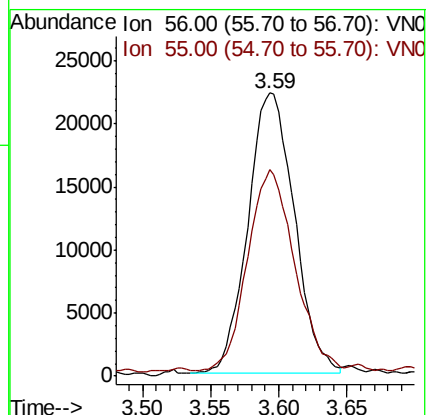
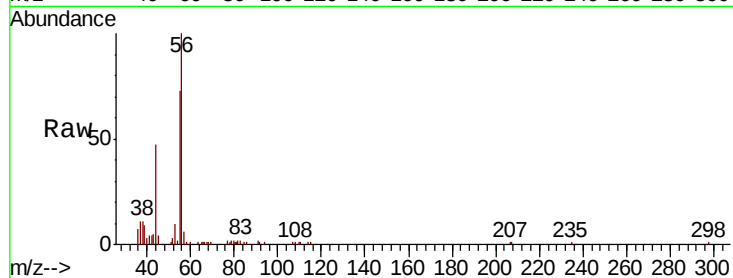
VSTDCCC020EC

Tgt Ion: 56 Resp: 52566

Ion Ratio Lower Upper

56 100

55 71.8 54.5 81.7



#14

Acrylonitrile

Concen: 104.672 ug/l

RT: 4.98 min Scan# 997

Delta R.T. 0.01 min

Lab File: VN057588.D

Acq: 30 Aug 2019 14:43

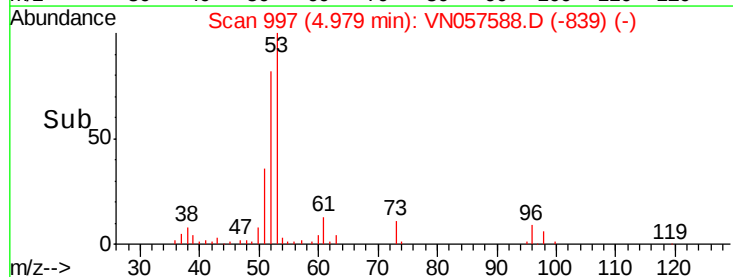
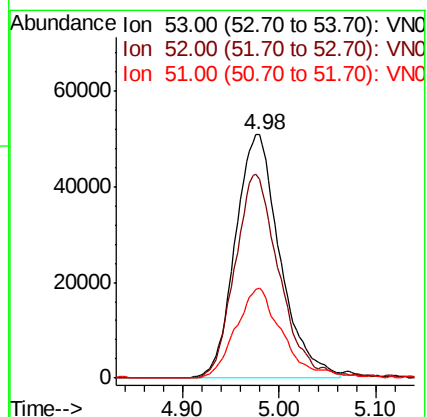
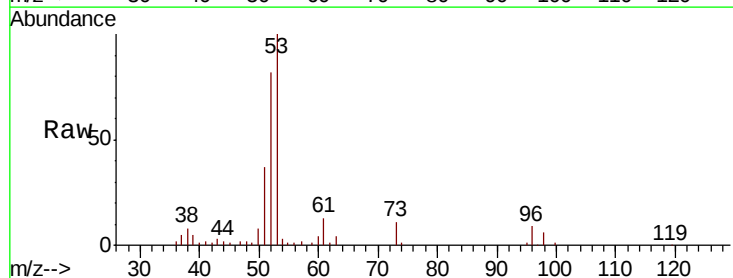
Tgt Ion: 53 Resp: 163292

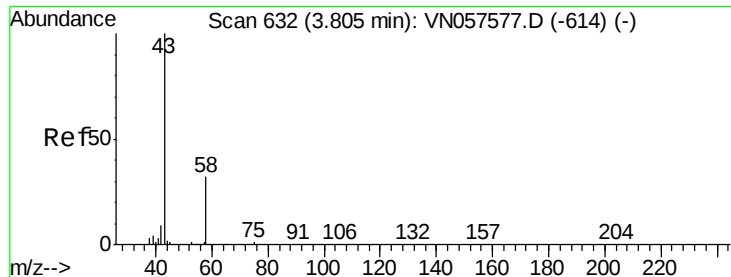
Ion Ratio Lower Upper

53 100

52 81.4 40.6 122.0

51 36.9 8.3 24.9#





#15

Acetone

Concen: 106.140 ug/l

RT: 3.81 min Scan# 633

Delta R.T. 0.00 min

Lab File: VN057588.D

Acq: 30 Aug 2019 14:43

Instrument :

MSVOA_N

ClientSampleId :

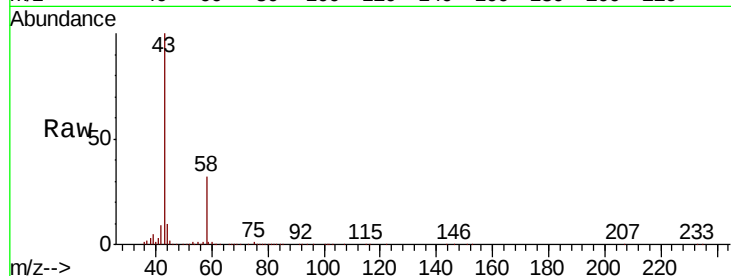
VSTDCCC020EC

Tgt Ion: 58 Resp: 89368

Ion Ratio Lower Upper

58 100

43 313.4 252.8 379.2



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

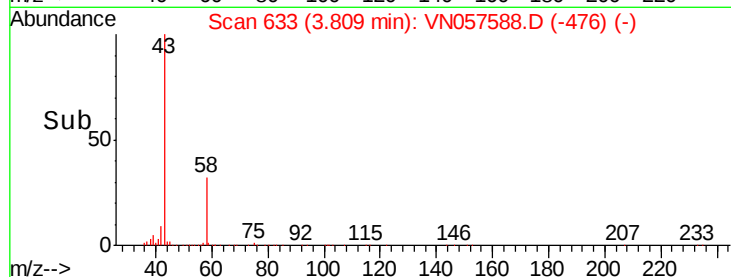
Ion 43.00 (42.70 to 43.70): VN057577.D (-614) (-)

100000

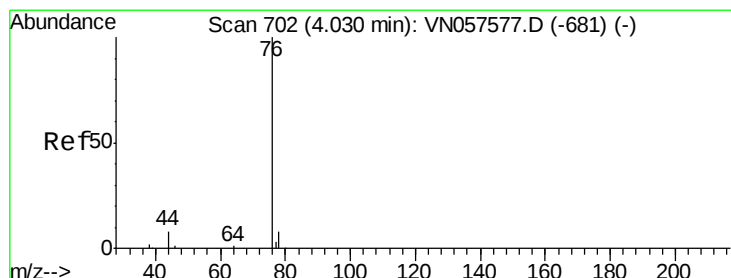
50000

3.81

3.70 3.75 3.80 3.85 3.90



Time-->



#16

Carbon Disulfide

Concen: 19.598 ug/l

RT: 4.03 min Scan# 701

Delta R.T. -0.00 min

Lab File: VN057588.D

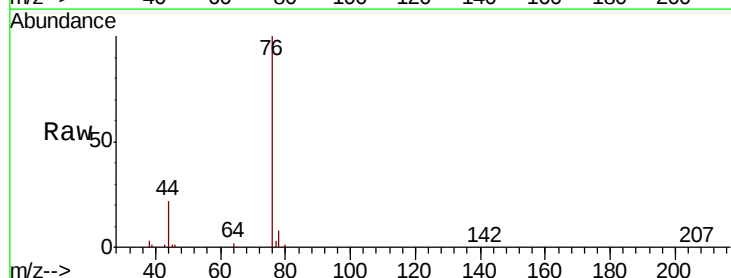
Acq: 30 Aug 2019 14:43

Tgt Ion: 76 Resp: 150577

Ion Ratio Lower Upper

76 100

78 8.3 6.7 10.1



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

Ion 78.00 (77.70 to 78.70): VN057577.D (-681) (-)

60000

50000

40000

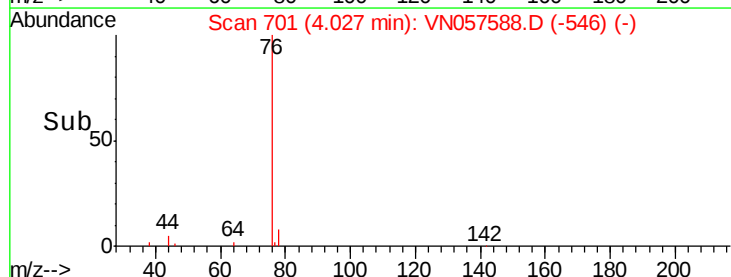
30000

20000

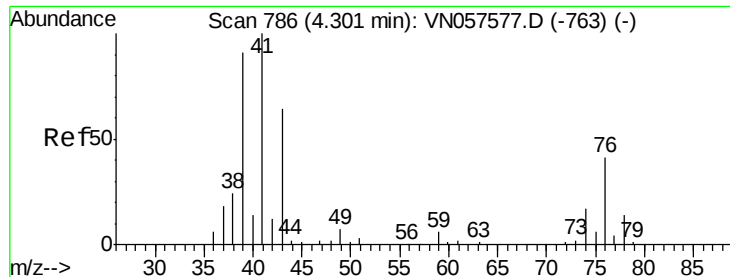
10000

4.03

3.90 4.00 4.10



Time-->



#17

Allyl chloride

Concen: 20.462 ug/l

RT: 4.30 min Scan# 786

Delta R.T. 0.00 min

Lab File: VN057588.D

Acq: 30 Aug 2019 14:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

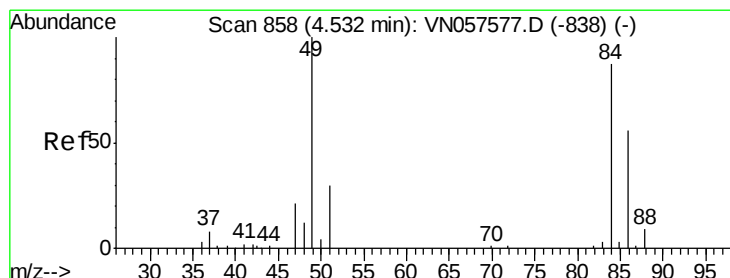
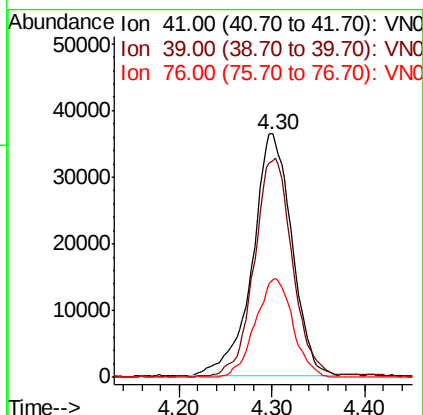
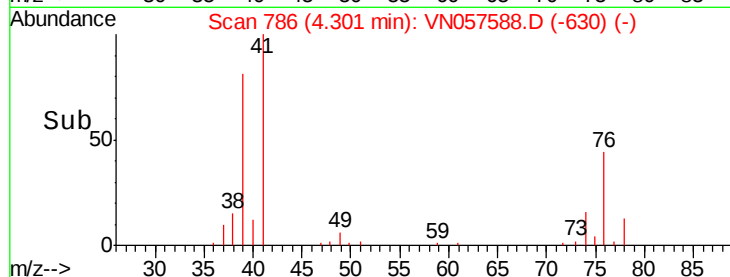
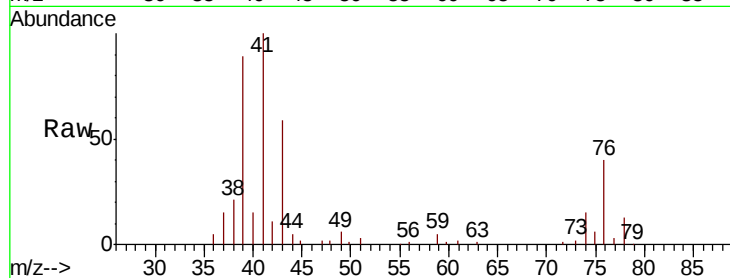
Tgt Ion: 41 Resp: 107511

Ion Ratio Lower Upper

41 100

39 89.7 44.6 134.0

76 40.2 19.8 59.3



#18

Methylene Chloride

Concen: 20.585 ug/l

RT: 4.53 min Scan# 857

Delta R.T. -0.00 min

Lab File: VN057588.D

Acq: 30 Aug 2019 14:43

Tgt Ion: 84 Resp: 87095

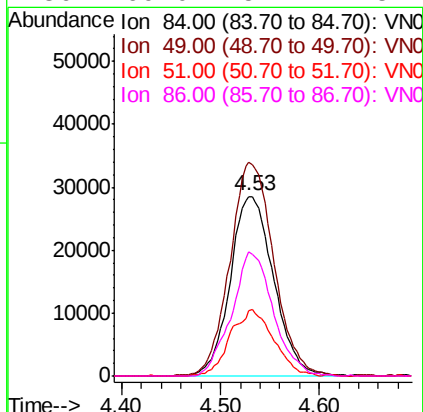
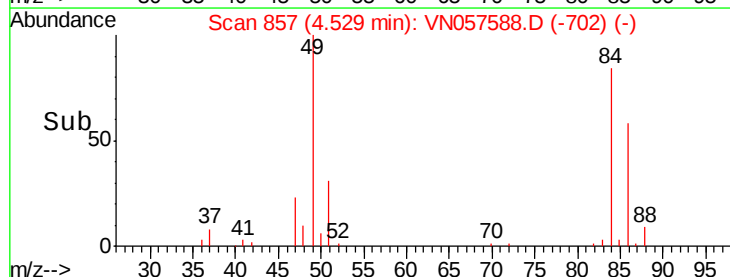
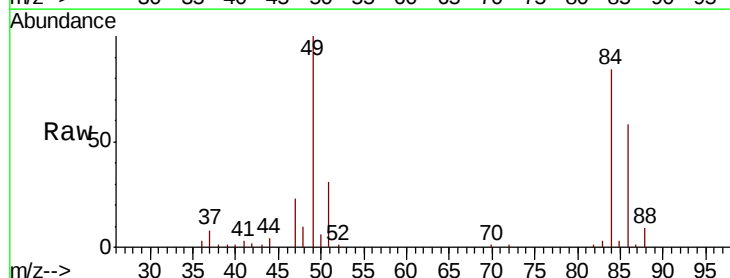
Ion Ratio Lower Upper

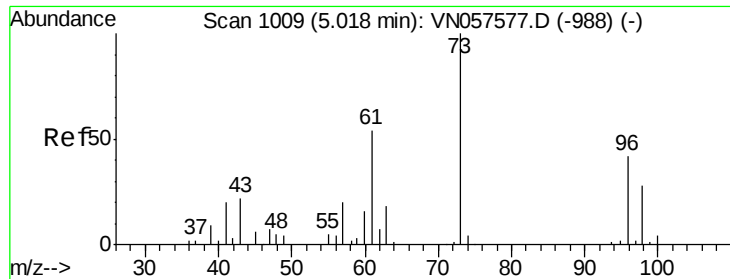
84 100

49 118.5 92.4 138.6

51 36.5 27.9 41.9

86 69.0 52.2 78.2

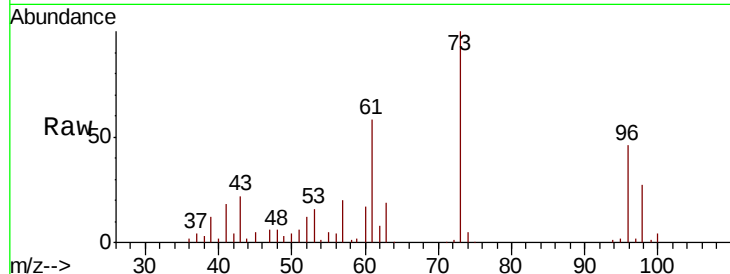




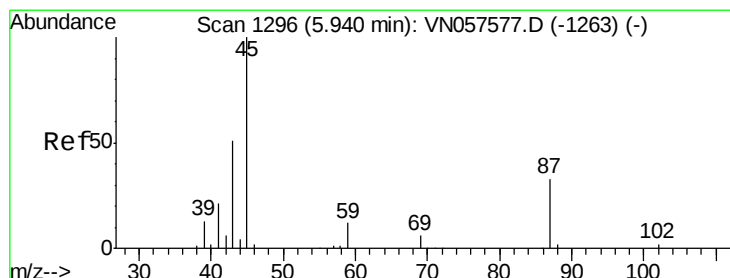
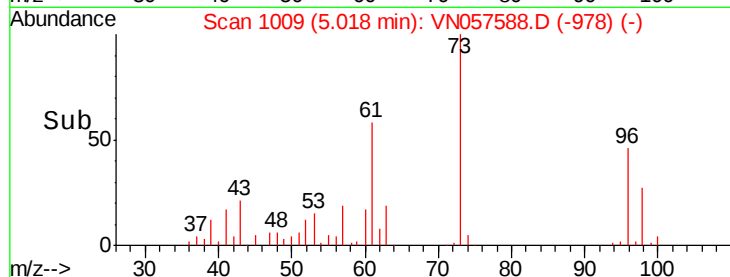
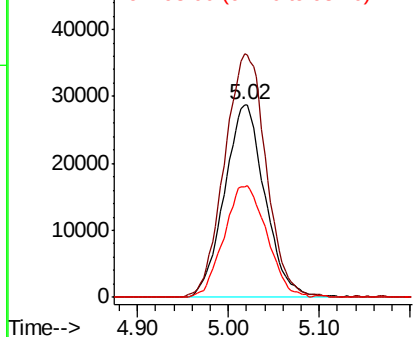
#19
trans-1,2-Dichloroethene
Concen: 21.173 ug/l
RT: 5.02 min Scan# 1009
Delta R.T. 0.00 min
Lab File: VN057588.D
Acq: 30 Aug 2019 14:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion: 96 Resp: 89043
Ion Ratio Lower Upper
96 100
61 126.5 102.6 153.8
98 57.7 52.6 79.0

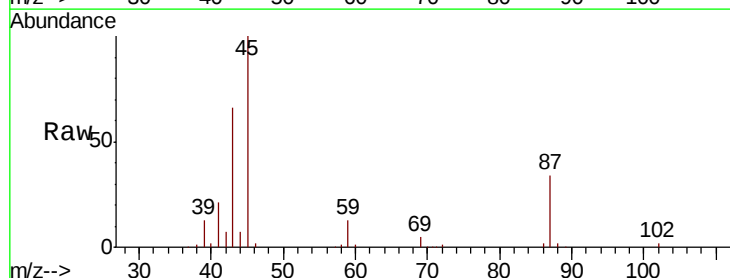


Abundance Ion 96.00 (95.70 to 96.70): VN0
Ion 61.00 (60.70 to 61.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

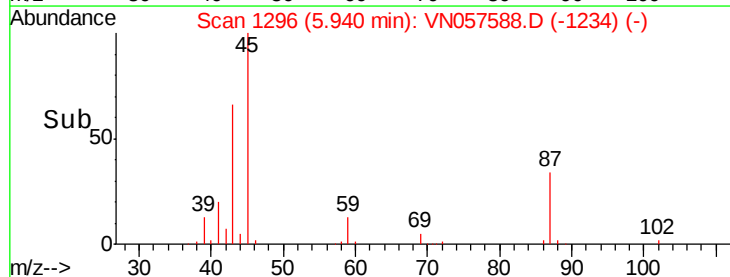
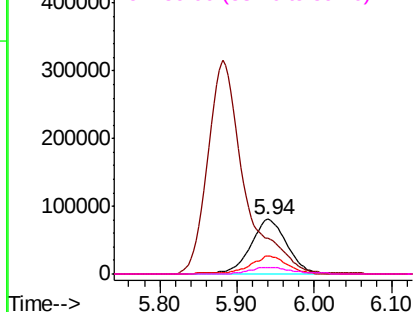


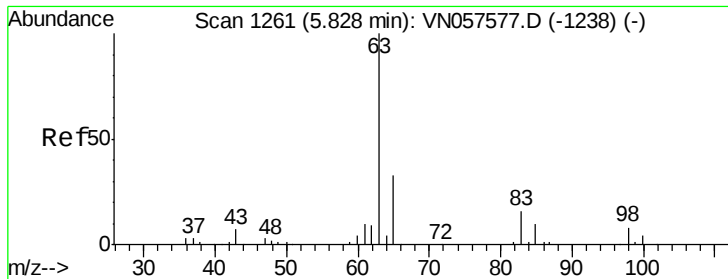
#20
Diisopropyl ether
Concen: 21.105 ug/l
RT: 5.94 min Scan# 1296
Delta R.T. 0.00 min
Lab File: VN057588.D
Acq: 30 Aug 2019 14:43

Tgt Ion: 45 Resp: 264810
Ion Ratio Lower Upper
45 100
43 64.1 51.9 77.9
87 33.8 27.3 40.9
59 12.1 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

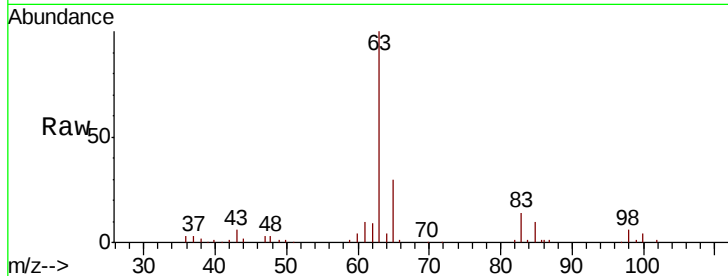




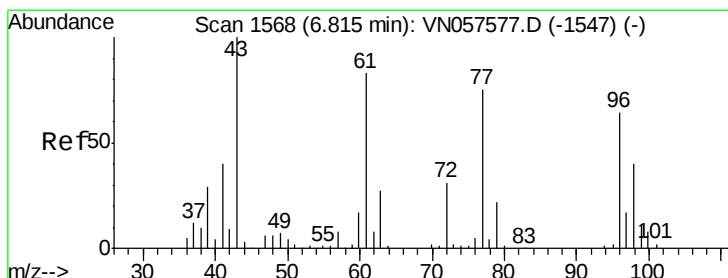
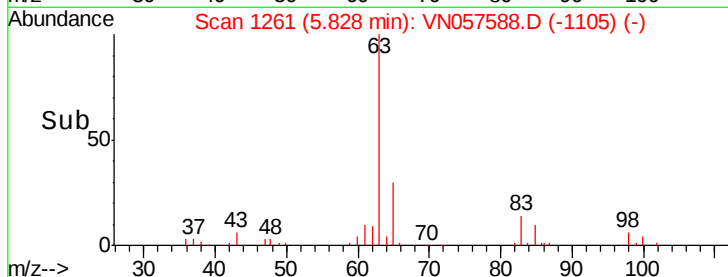
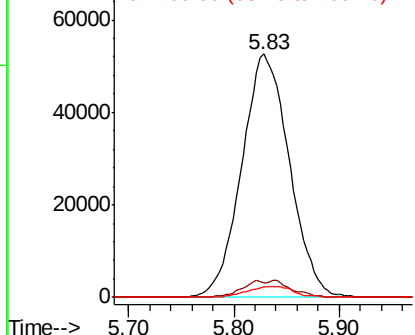
#21
 1,1-Dichloroethane
 Concen: 20.847 ug/l
 RT: 5.83 min Scan# 1261
 Delta R.T. 0.00 min
 Lab File: VN057588.D
 Acq: 30 Aug 2019 14:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tgt Ion: 63 Resp: 165154
 Ion Ratio Lower Upper
 63 100
 98 6.0 3.8 11.2
 100 4.3 2.0 6.0

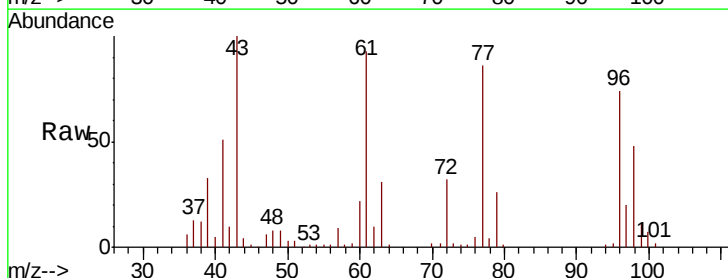


Abundance Ion 63.00 (62.70 to 63.70): VN0
 Ion 98.00 (97.70 to 98.70): VN0
 Ion 100.00 (99.70 to 100.70): VN0

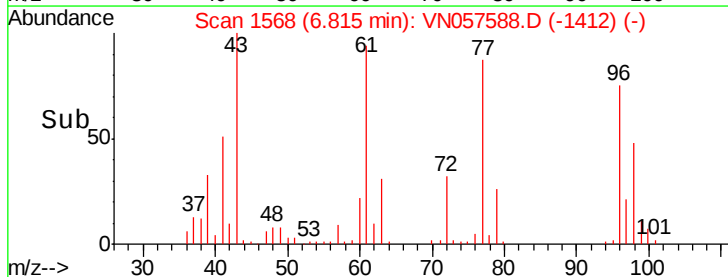
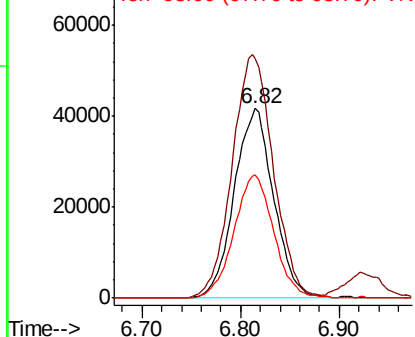


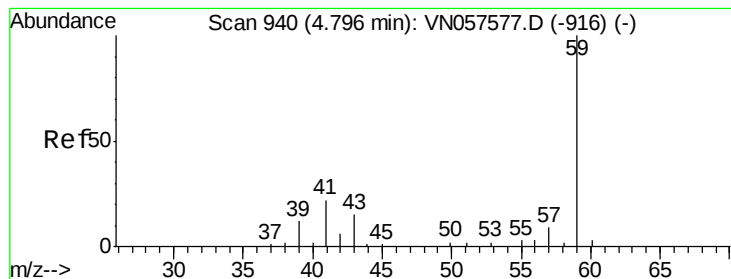
#22
 cis-1,2-Dichloroethene
 Concen: 20.592 ug/l
 RT: 6.82 min Scan# 1568
 Delta R.T. 0.00 min
 Lab File: VN057588.D
 Acq: 30 Aug 2019 14:43

Tgt Ion: 96 Resp: 115408
 Ion Ratio Lower Upper
 96 100
 61 134.5 110.5 165.7
 98 65.4 51.1 76.7



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





#23

tert-Butyl Alcohol

Concen: 112.928 ug/l

RT: 4.80 min Scan# 940

Delta R.T. 0.00 min

Lab File: VN057588.D

Acq: 30 Aug 2019 14:43

Instrument :

MSVOA_N

ClientSampleId :

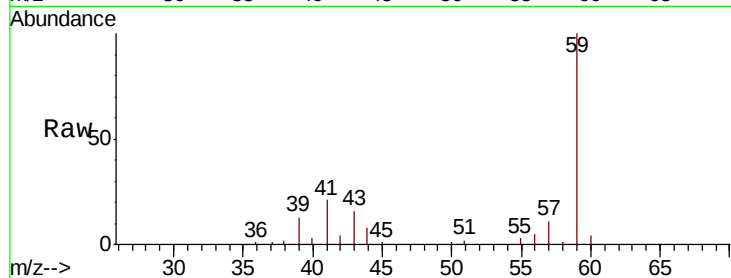
VSTDCCC020EC

Tgt Ion: 59 Resp: 65334

Ion Ratio Lower Upper

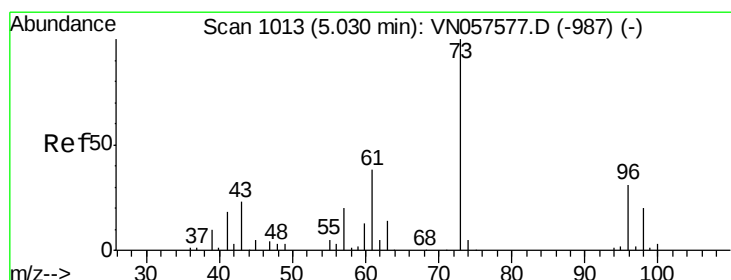
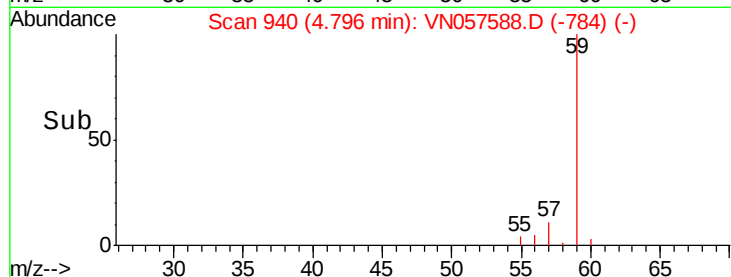
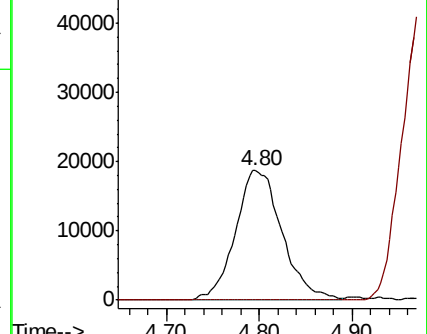
59 100

52 0.0 0.1 0.1#



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



#24

Methyl tert-Butyl Ether

Concen: 20.916 ug/l

RT: 5.03 min Scan# 1014

Delta R.T. 0.00 min

Lab File: VN057588.D

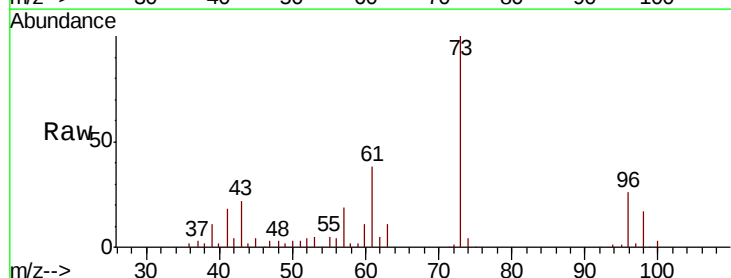
Acq: 30 Aug 2019 14:43

Tgt Ion: 73 Resp: 283458

Ion Ratio Lower Upper

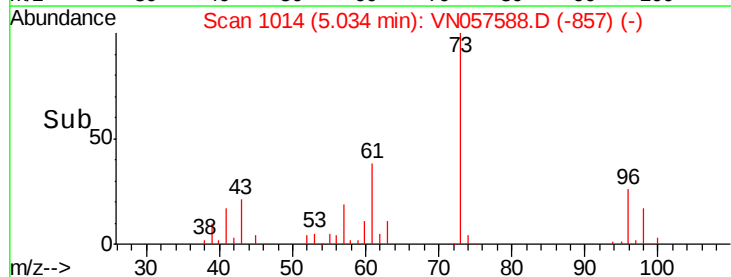
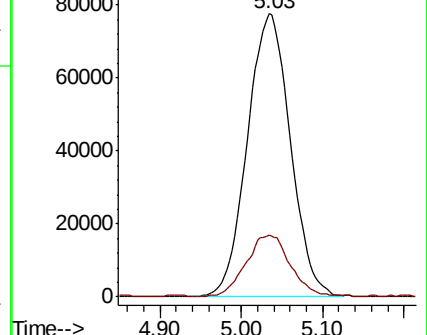
73 100

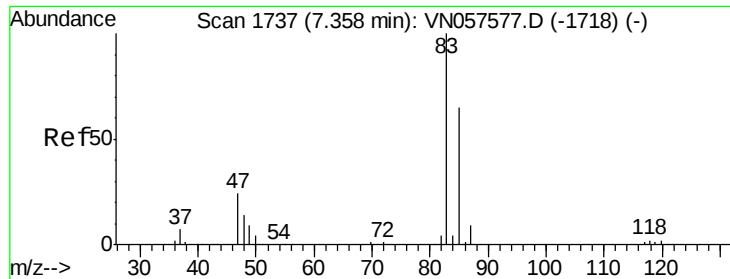
43 22.6 18.4 27.6



Abundance Ion 73.00 (72.70 to 73.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

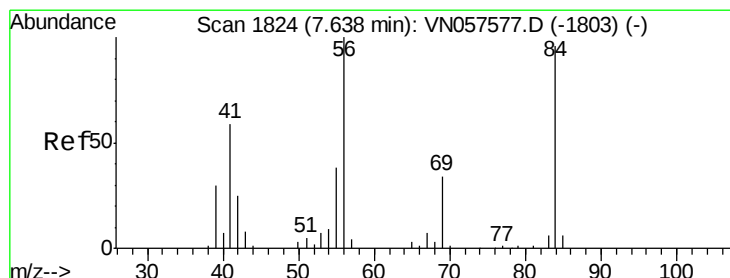
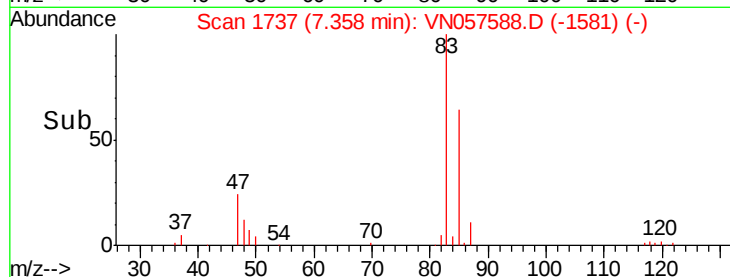
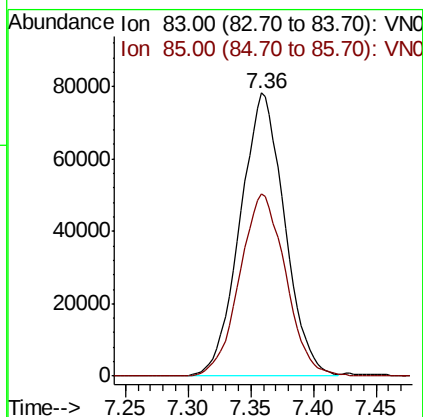
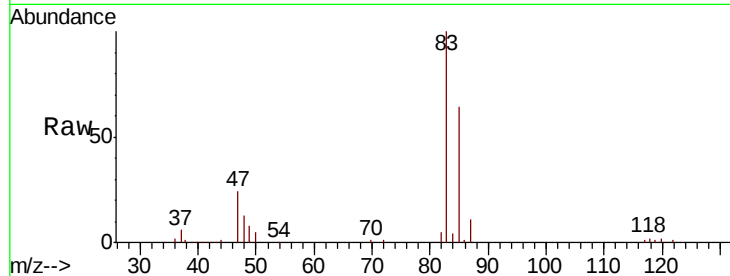




#25
Chloroform
Concen: 20.075 ug/l
RT: 7.36 min Scan# 1737
Delta R.T. 0.00 min
Lab File: VN057588.D
Acq: 30 Aug 2019 14:43

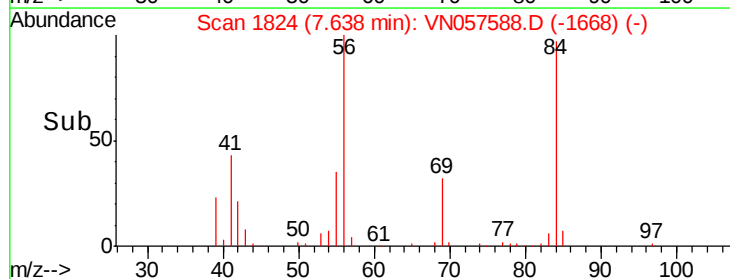
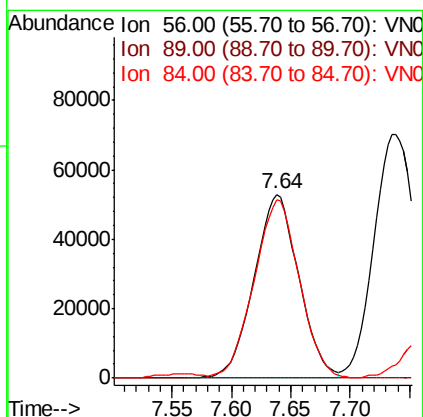
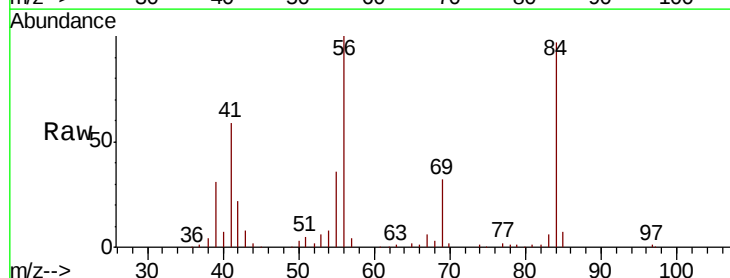
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

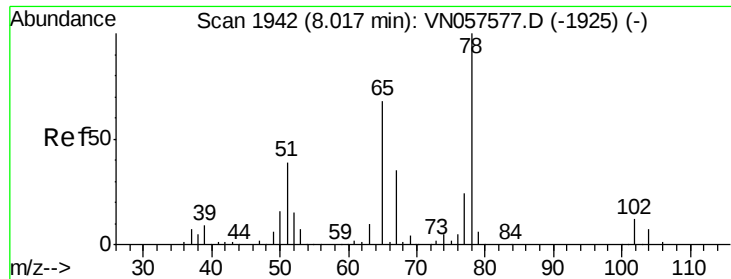
Tgt Ion: 83 Resp: 193235
Ion Ratio Lower Upper
83 100
85 64.0 51.8 77.6



#26
Cyclohexane
Concen: 20.841 ug/l
RT: 7.64 min Scan# 1824
Delta R.T. 0.00 min
Lab File: VN057588.D
Acq: 30 Aug 2019 14:43

Tgt Ion: 56 Resp: 137674
Ion Ratio Lower Upper
56 100
89 0.0 0.0 0.0
84 98.5 75.9 113.9





#27

1,2-Dichloroethane-d4

Concen: 31.633 ug/l

RT: 8.01 min Scan# 1941

Delta R.T. -0.00 min

Lab File: VN057588.D

Acq: 30 Aug 2019 14:43

Instrument :

MSVOA_N

ClientSampleId :

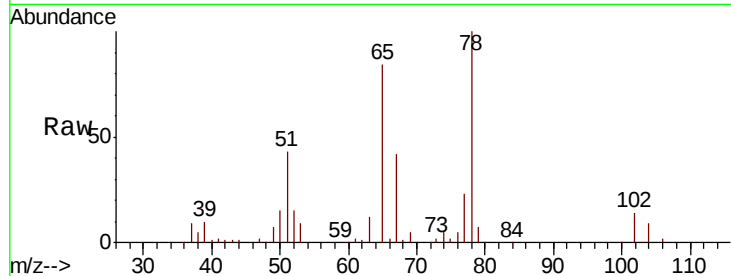
VSTDCCC020EC

Tgt Ion: 65 Resp: 202357

Ion Ratio Lower Upper

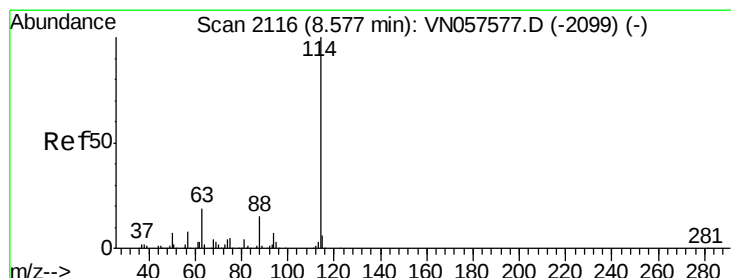
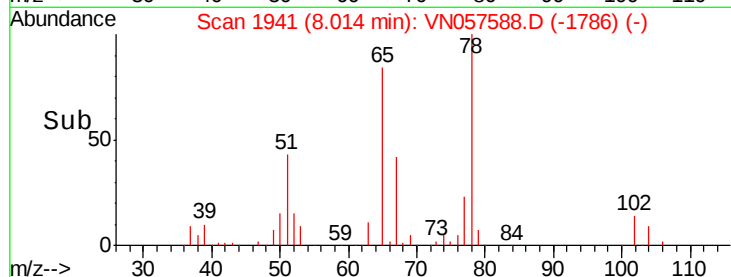
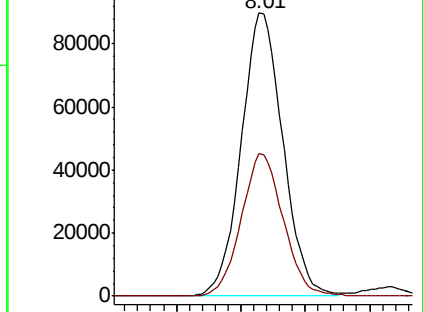
65 100

67 50.6 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) (-)



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.58 min Scan# 2116

Delta R.T. 0.00 min

Lab File: VN057588.D

Acq: 30 Aug 2019 14:43

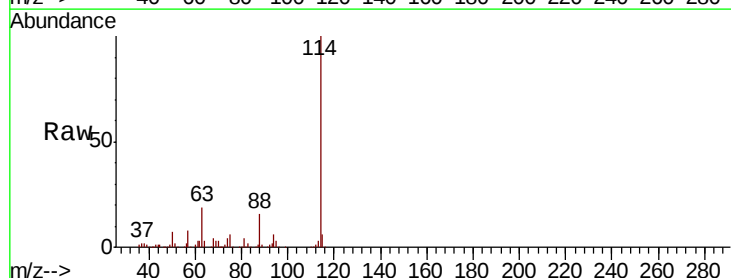
Tgt Ion: 114 Resp: 496640

Ion Ratio Lower Upper

114 100

63 18.4 15.4 23.0

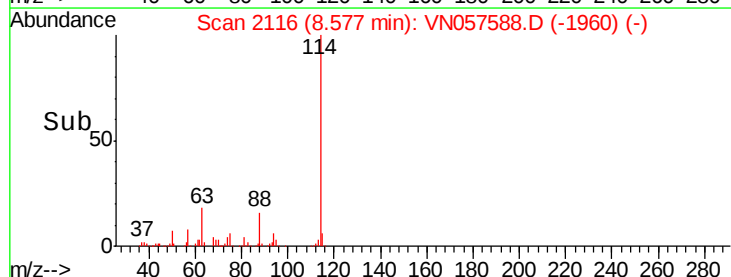
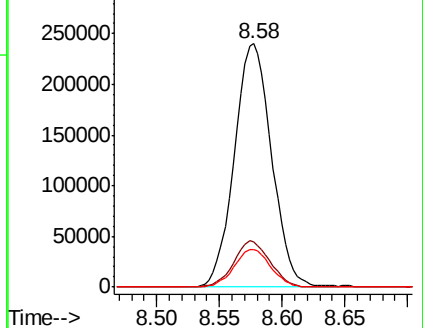
88 15.2 11.8 17.8

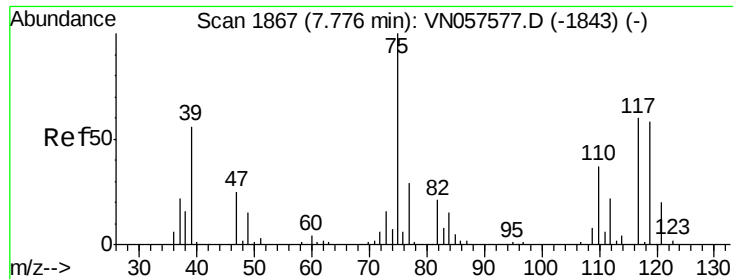


Abundance Ion 114.00 (113.70 to 114.70): VN057577.D (-2099) (-)

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

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

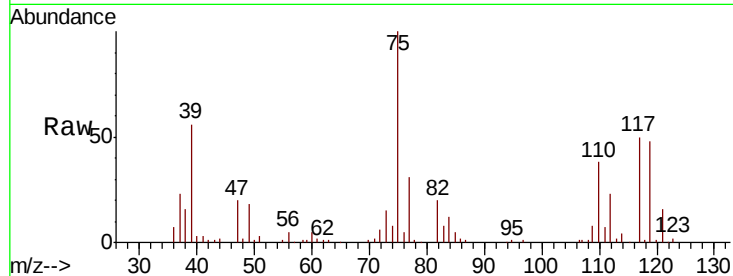




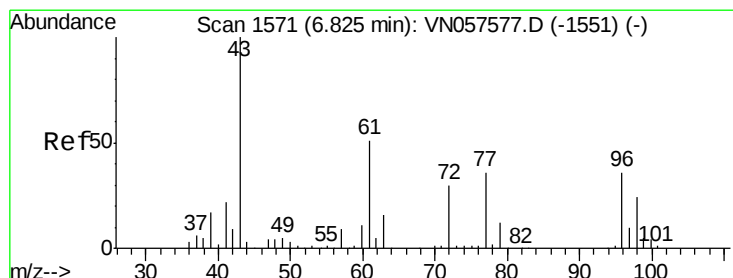
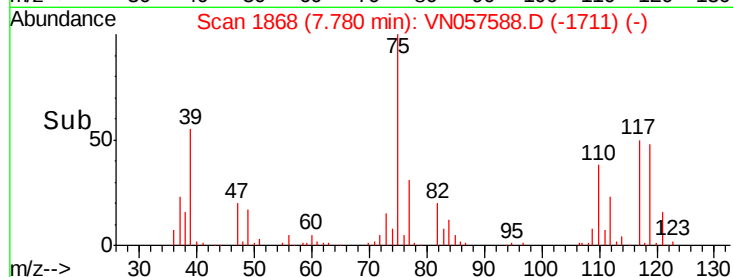
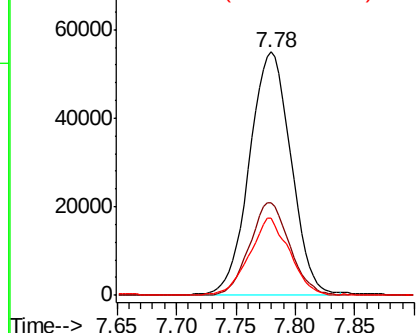
#29
 1,1-Dichloropropene
 Concen: 19.847 ug/l
 RT: 7.78 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN057588.D
 Acq: 30 Aug 2019 14:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tgt Ion: 75 Resp: 133398
 Ion Ratio Lower Upper
 75 100
 110 36.5 0.0 75.4
 77 30.6 0.0 61.0

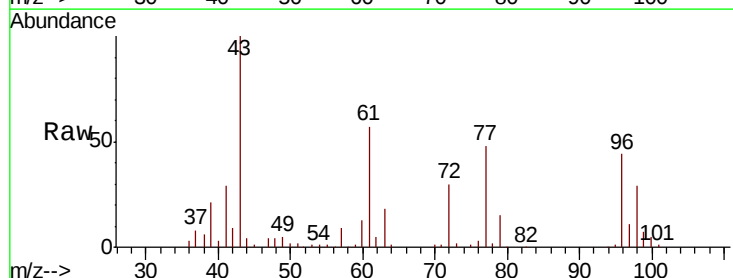


Abundance Ion 75.00 (74.70 to 75.70): VN0
 Ion 110.00 (109.70 to 110.70): VN
 Ion 77.00 (76.70 to 77.70): VN

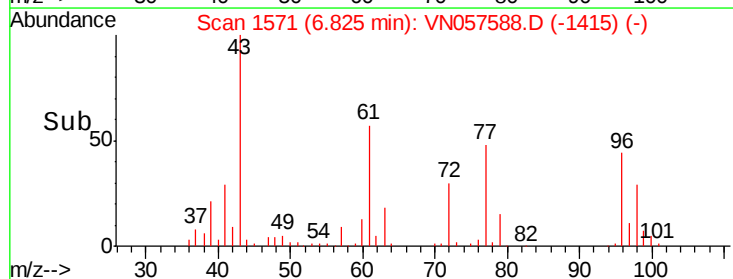
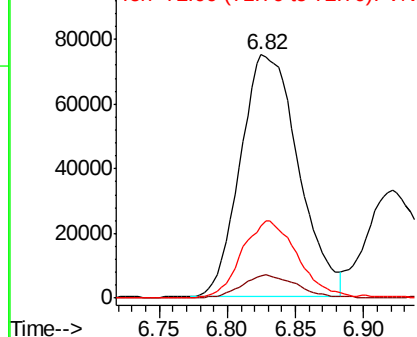


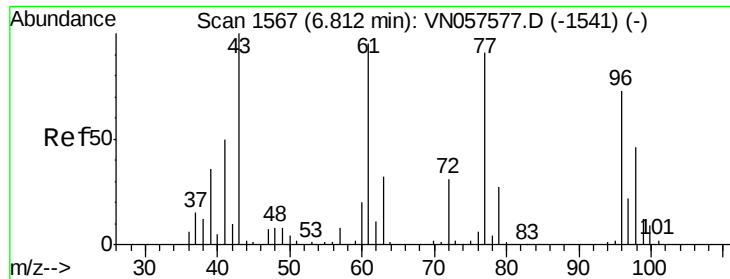
#30
 2-Butanone
 Concen: 101.643 ug/l
 RT: 6.82 min Scan# 1571
 Delta R.T. 0.00 min
 Lab File: VN057588.D
 Acq: 30 Aug 2019 14:43

Tgt Ion: 43 Resp: 221574
 Ion Ratio Lower Upper
 43 100
 57 9.0 3.5 5.3#
 72 30.7 24.6 36.8



Abundance Ion 43.00 (42.70 to 43.70): VN0
 Ion 57.00 (56.70 to 57.70): VN0
 Ion 72.00 (71.70 to 72.70): VN0

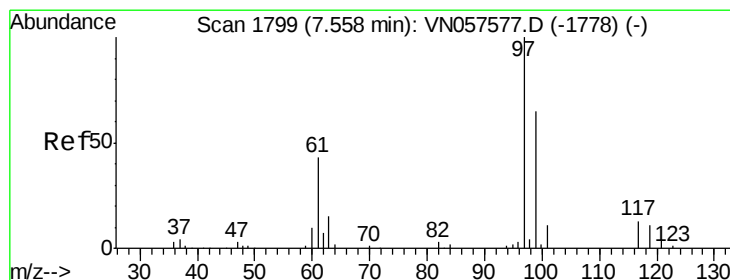
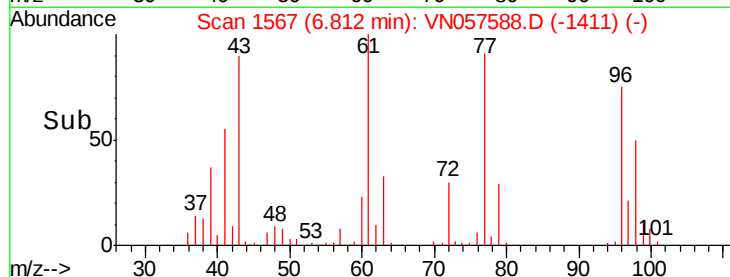
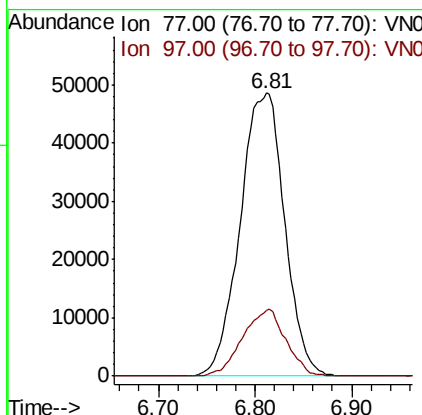
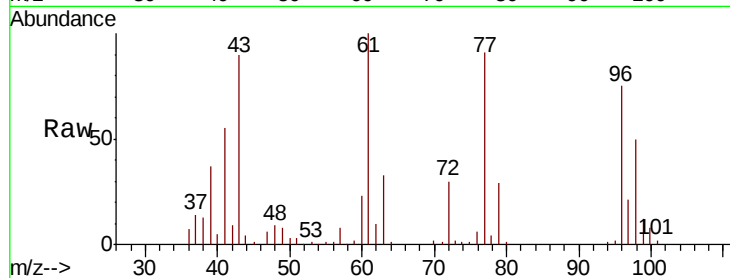




#31
 2,2-Dichloropropane
 Concen: 19.304 ug/l
 RT: 6.81 min Scan# 1567
 Delta R.T. 0.00 min
 Lab File: VN057588.D
 Acq: 30 Aug 2019 14:43

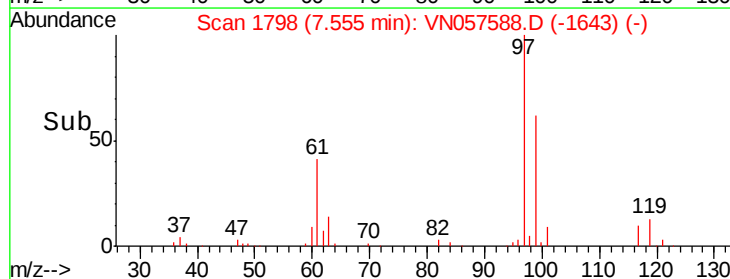
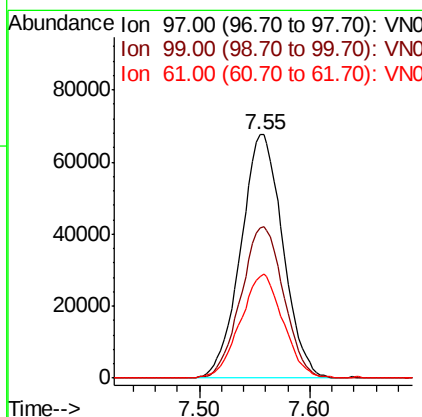
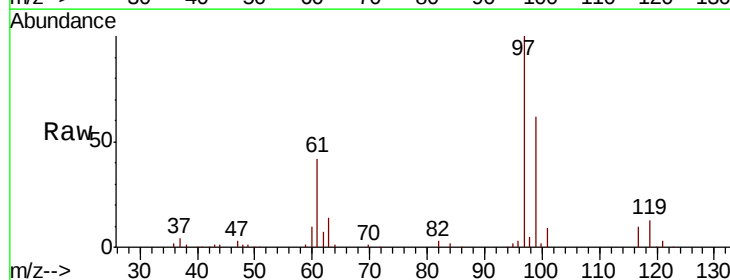
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

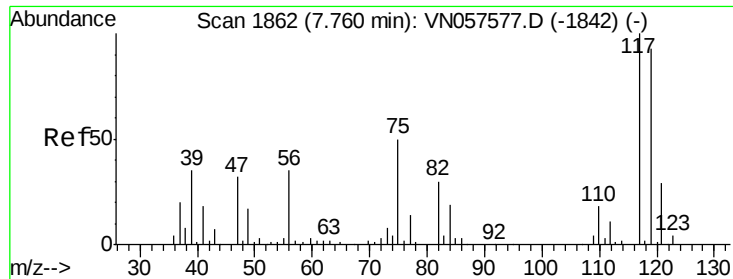
Tgt Ion: 77 Resp: 155212
 Ion Ratio Lower Upper
 77 100
 97 22.9 18.9 28.3



#32
 1,1,1-Trichloroethane
 Concen: 19.788 ug/l
 RT: 7.55 min Scan# 1798
 Delta R.T. -0.00 min
 Lab File: VN057588.D
 Acq: 30 Aug 2019 14:43

Tgt Ion: 97 Resp: 178316
 Ion Ratio Lower Upper
 97 100
 99 63.2 51.1 76.7
 61 43.3 34.4 51.6

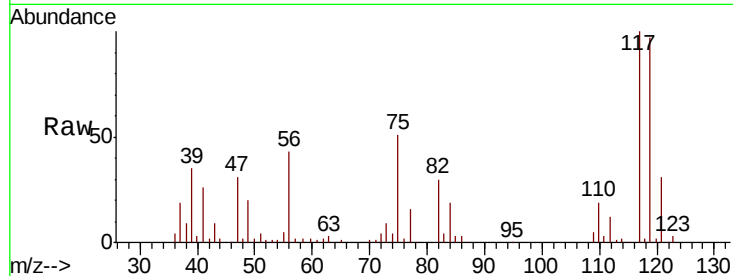




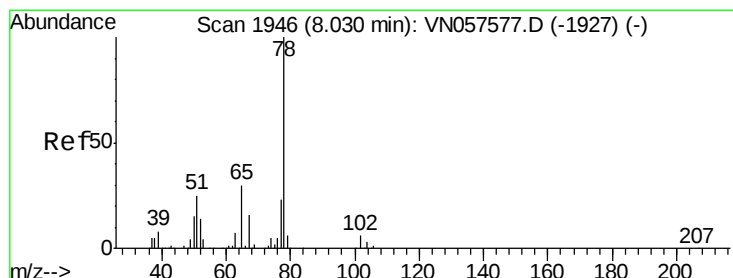
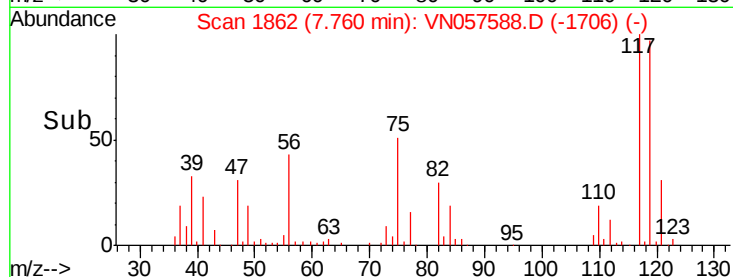
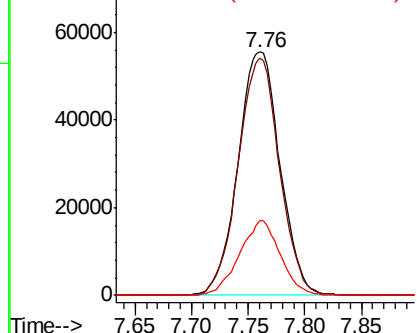
#33
Carbon Tetrachloride
Concen: 18.778 ug/l
RT: 7.76 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VN057588.D
Acq: 30 Aug 2019 14:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion: 117 Resp: 143574
Ion Ratio Lower Upper
117 100
119 97.3 74.6 111.8
121 30.7 23.5 35.3

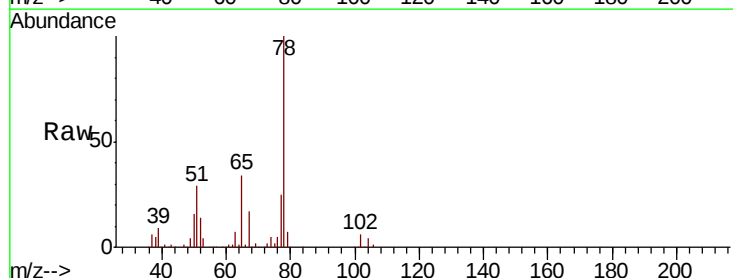


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V

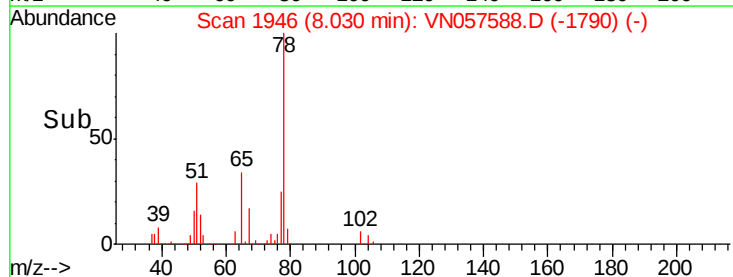
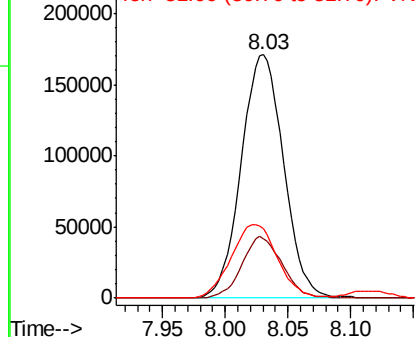


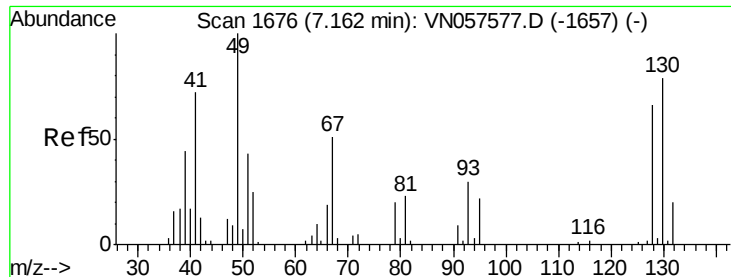
#34
Benzene
Concen: 19.938 ug/l
RT: 8.03 min Scan# 1946
Delta R.T. 0.00 min
Lab File: VN057588.D
Acq: 30 Aug 2019 14:43

Tgt Ion: 78 Resp: 401762
Ion Ratio Lower Upper
78 100
77 24.6 18.2 27.4
51 28.5 20.2 30.4



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

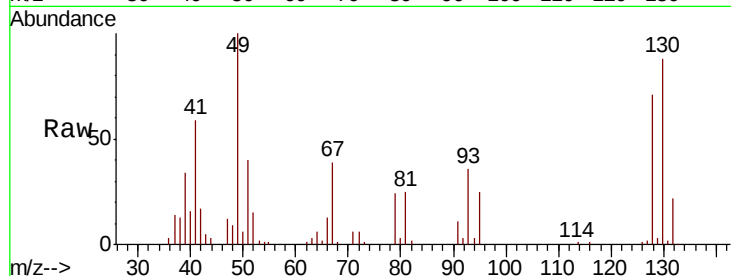




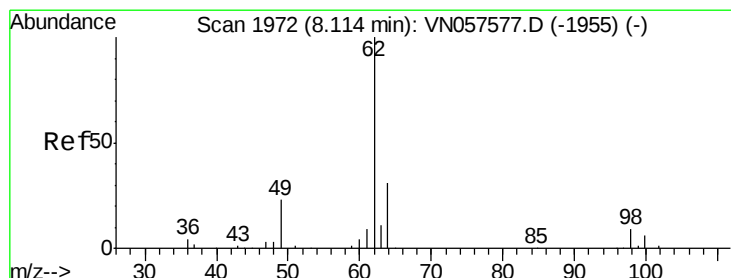
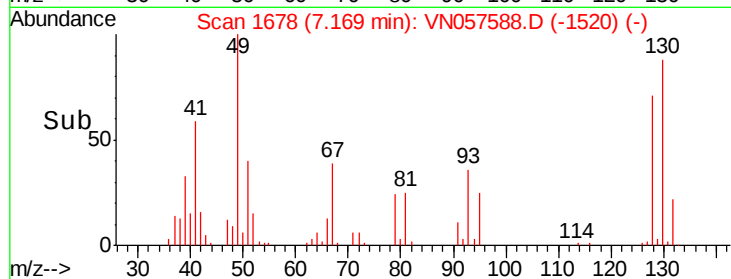
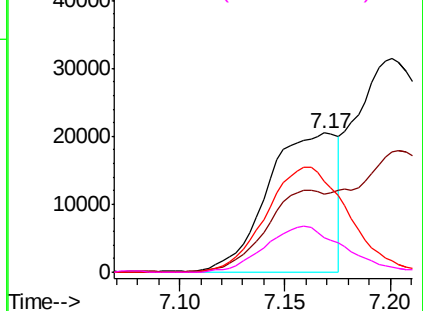
#35
Methacrylonitrile
Concen: 21.797 ug/l
RT: 7.17 min Scan# 1678
Delta R.T. 0.01 min
Lab File: VN057588.D
Acq: 30 Aug 2019 14:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion:	41	Resp:	47030
Ion	Ratio	Lower	Upper
41	100		
39	55.7	30.4	91.2
67	65.9	35.6	106.8
52	25.1	17.2	51.5

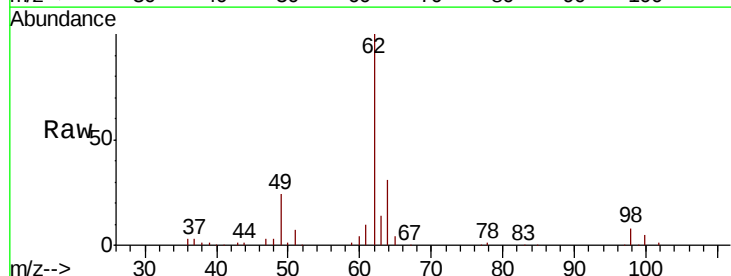


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

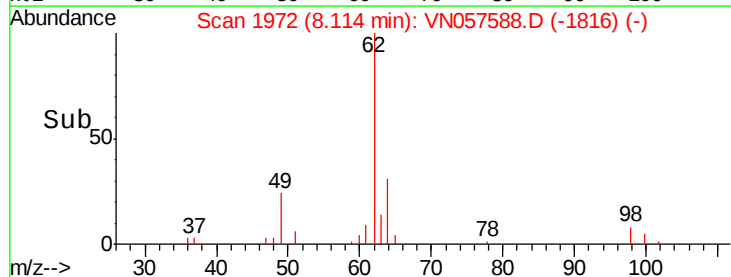
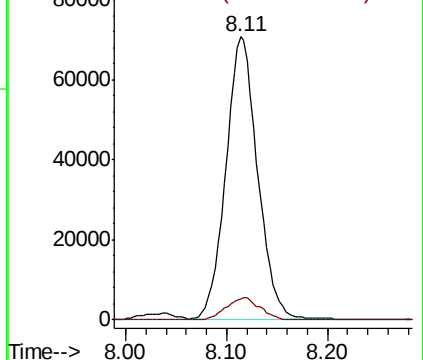


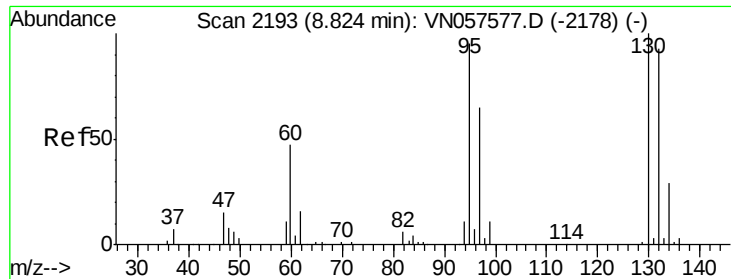
#36
1,2-Dichloroethane
Concen: 20.917 ug/l
RT: 8.11 min Scan# 1972
Delta R.T. 0.00 min
Lab File: VN057588.D
Acq: 30 Aug 2019 14:43

Tgt Ion:	62	Resp:	155511
Ion	Ratio	Lower	Upper
62	100		
98	8.4	6.8	10.2



Abundance Ion 62.00 (61.70 to 62.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

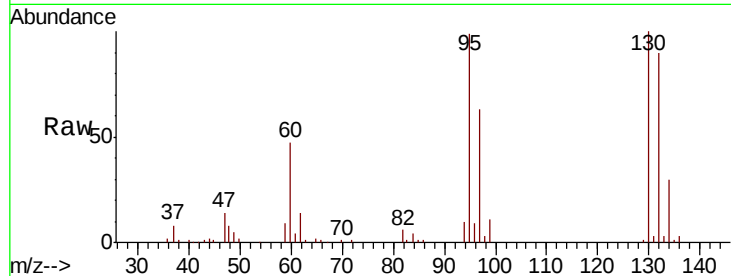




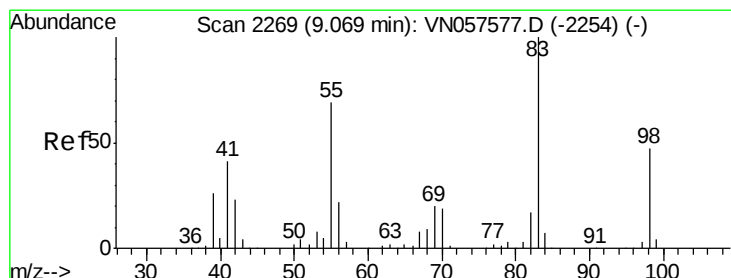
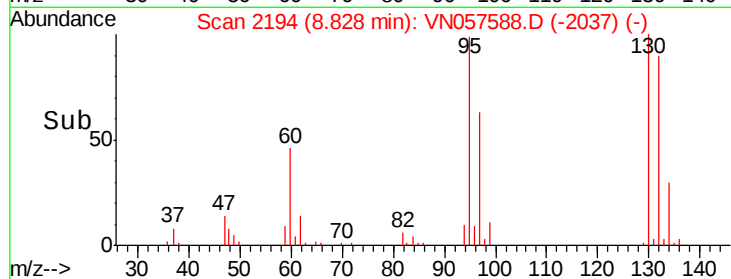
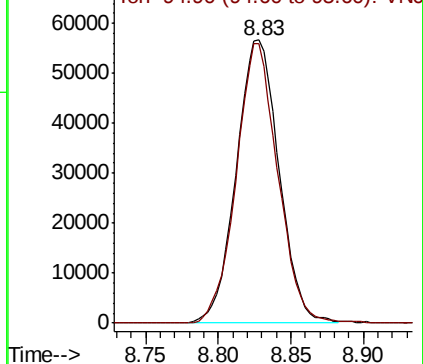
#37
 Trichloroethene
 Concen: 19.880 ug/l
 RT: 8.83 min Scan# 2194
 Delta R.T. 0.00 min
 Lab File: VN057588.D
 Acq: 30 Aug 2019 14:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tgt Ion: 130 Resp: 116024
 Ion Ratio Lower Upper
 130 100
 95 98.7 76.2 114.2

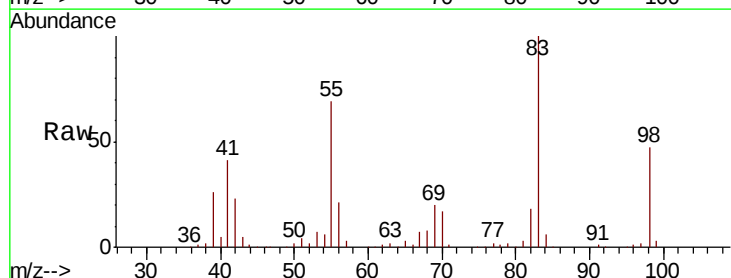


Abundance Ion 129.90 (129.60 to 130.60): V
 Ion 94.90 (94.60 to 95.60): VN

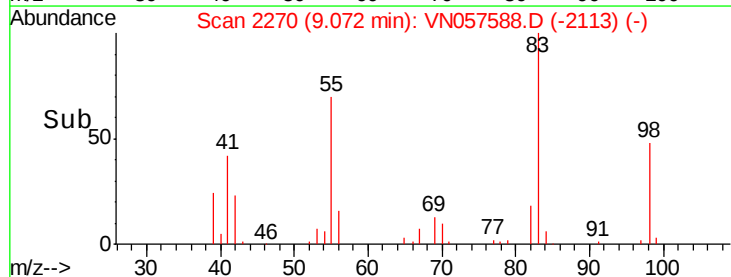
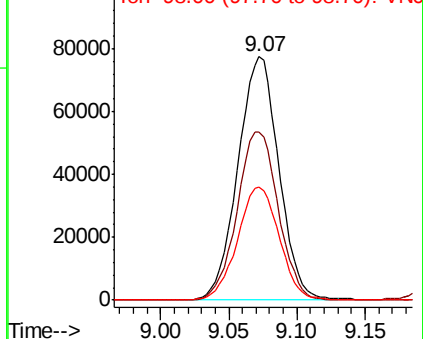


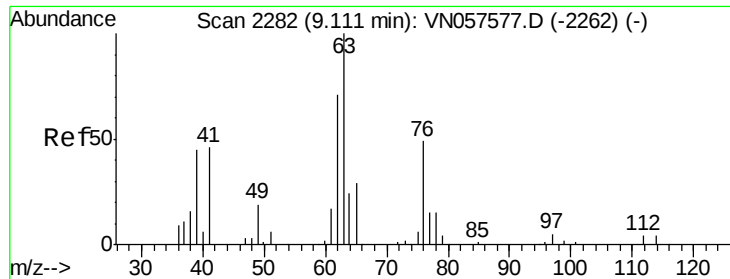
#38
 Methylcyclohexane
 Concen: 19.726 ug/l
 RT: 9.07 min Scan# 2270
 Delta R.T. 0.00 min
 Lab File: VN057588.D
 Acq: 30 Aug 2019 14:43

Tgt Ion: 83 Resp: 161487
 Ion Ratio Lower Upper
 83 100
 55 69.4 34.5 103.6
 98 47.5 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

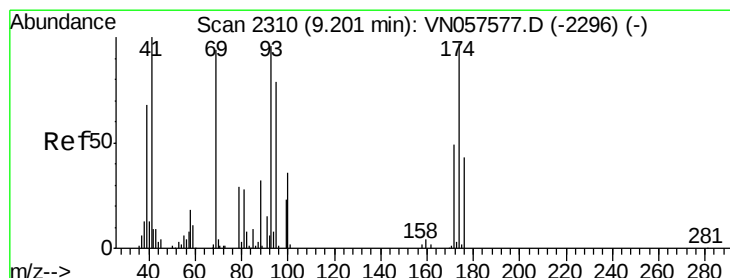
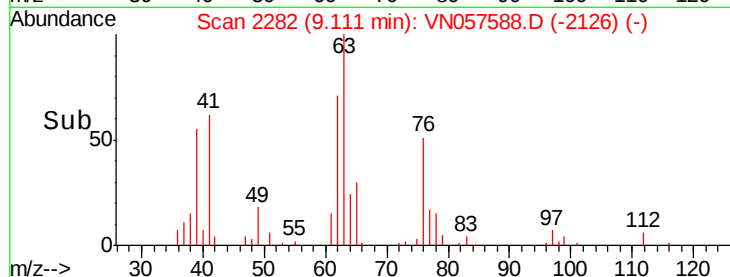
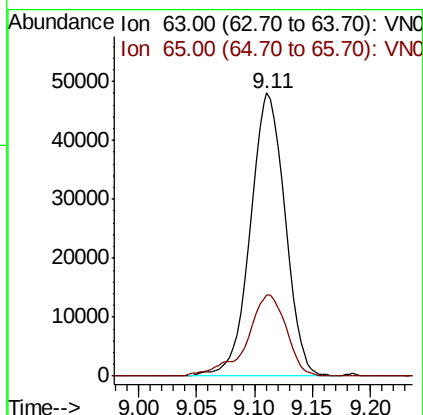
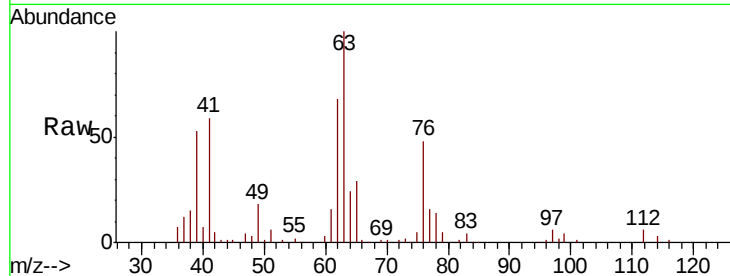




#39
 1,2-Dichloropropane
 Concen: 20.373 ug/l
 RT: 9.11 min Scan# 2282
 Delta R.T. 0.00 min
 Lab File: VN057588.D
 Acq: 30 Aug 2019 14:43

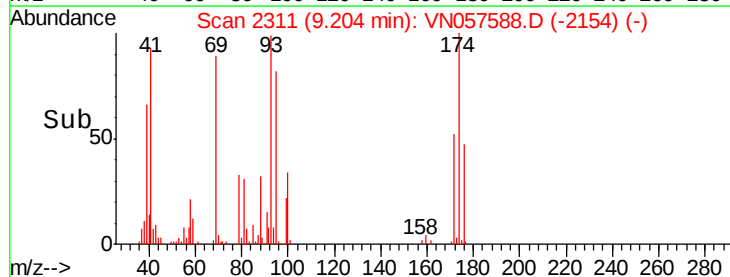
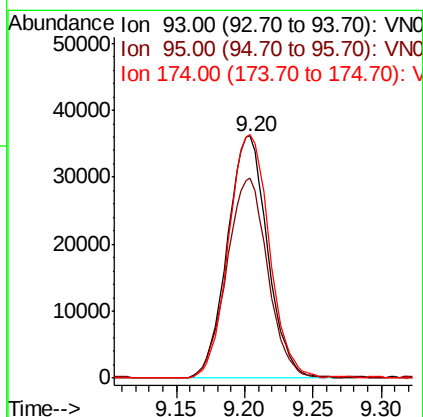
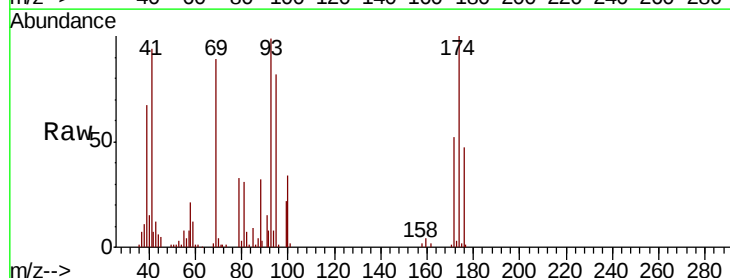
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

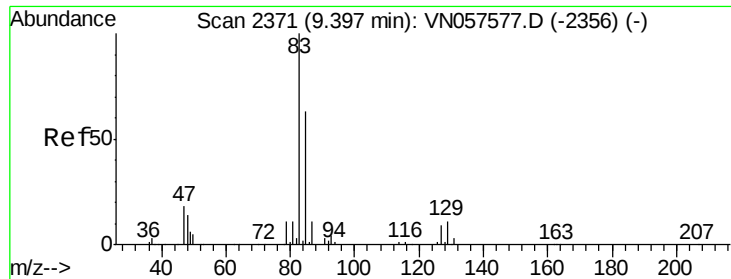
Tgt Ion: 63 Resp: 100453
 Ion Ratio Lower Upper
 63 100
 65 28.7 24.2 36.2



#40
 Dibromomethane
 Concen: 19.447 ug/l
 RT: 9.20 min Scan# 2311
 Delta R.T. 0.00 min
 Lab File: VN057588.D
 Acq: 30 Aug 2019 14:43

Tgt Ion: 93 Resp: 73825
 Ion Ratio Lower Upper
 93 100
 95 84.1 0.0 162.8
 174 102.2 0.0 199.2

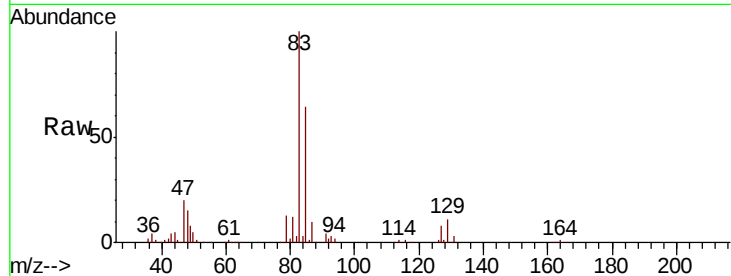




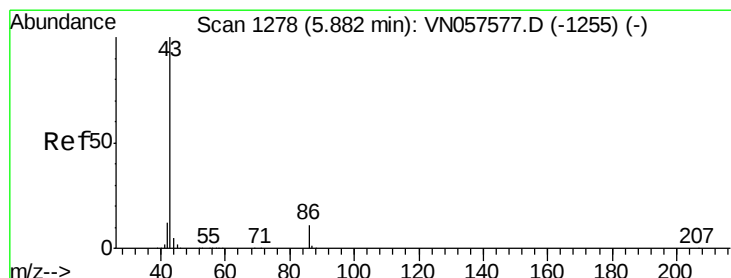
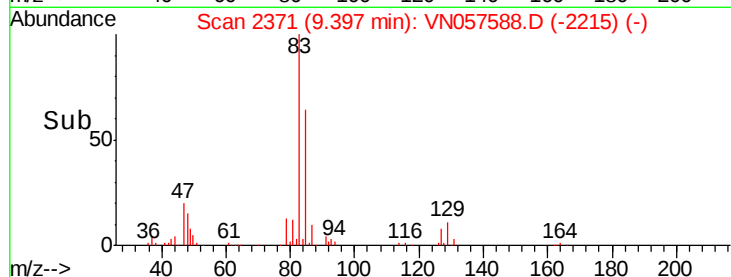
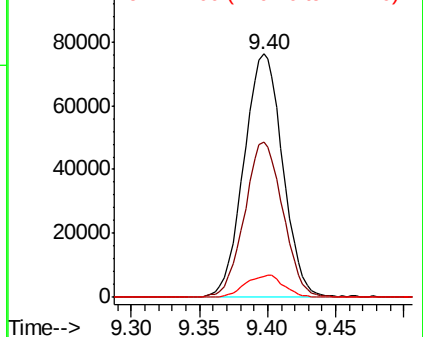
#41
 Bromodichloromethane
 Concen: 19.355 ug/l
 RT: 9.40 min Scan# 2371
 Delta R.T. 0.00 min
 Lab File: VN057588.D
 Acq: 30 Aug 2019 14:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tgt Ion: 83 Resp: 150533
 Ion Ratio Lower Upper
 83 100
 85 63.9 50.3 75.5
 127 8.4 7.4 11.2

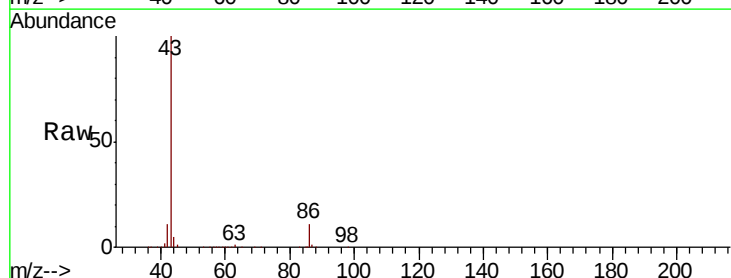


Abundance Ion 83.00 (82.70 to 83.70): VN0
 Ion 85.00 (84.70 to 85.70): VN0
 Ion 127.00 (126.70 to 127.70): V

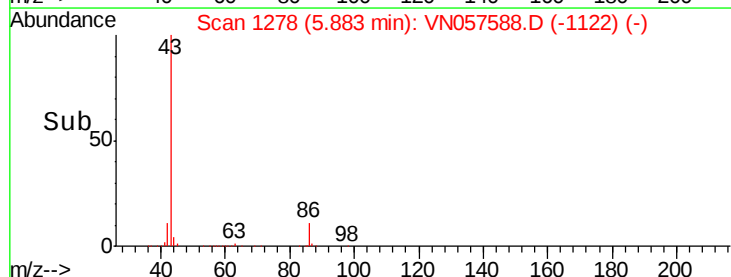
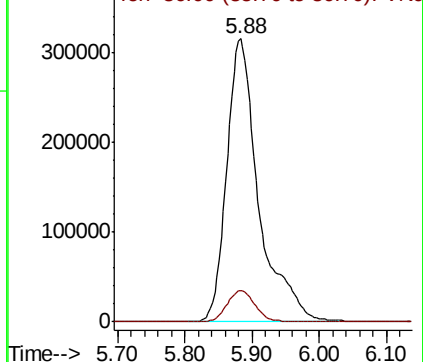


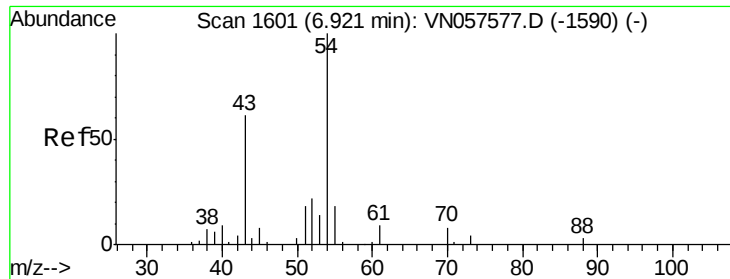
#42
 Vinyl Acetate
 Concen: 107.957 ug/l
 RT: 5.88 min Scan# 1278
 Delta R.T. 0.00 min
 Lab File: VN057588.D
 Acq: 30 Aug 2019 14:43

Tgt Ion: 43 Resp: 1045567
 Ion Ratio Lower Upper
 43 100
 86 9.5 8.1 12.1



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

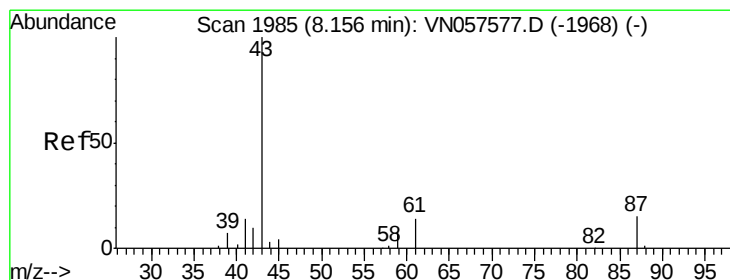
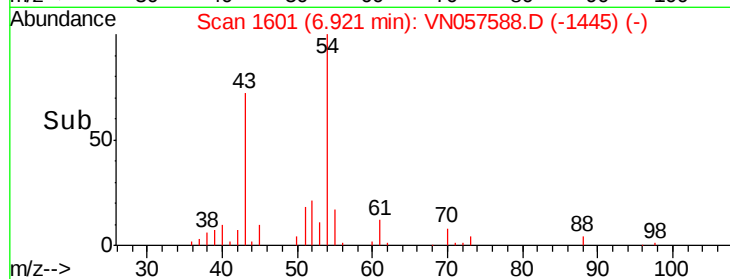
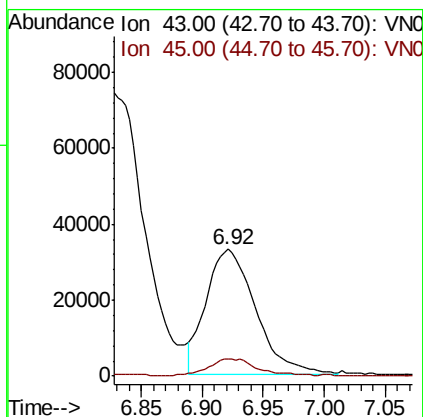
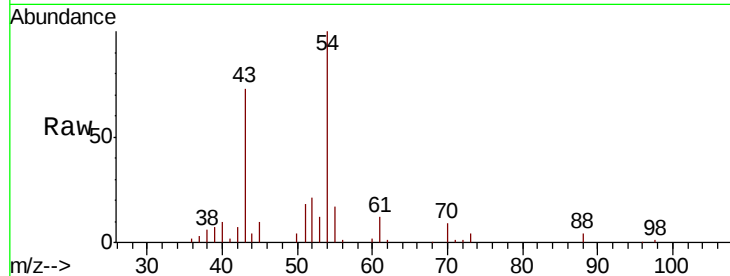




#43
 Ethyl Acetate
 Concen: 22.158 ug/l
 RT: 6.92 min Scan# 1601
 Delta R.T. 0.00 min
 Lab File: VN057588.D
 Acq: 30 Aug 2019 14:43

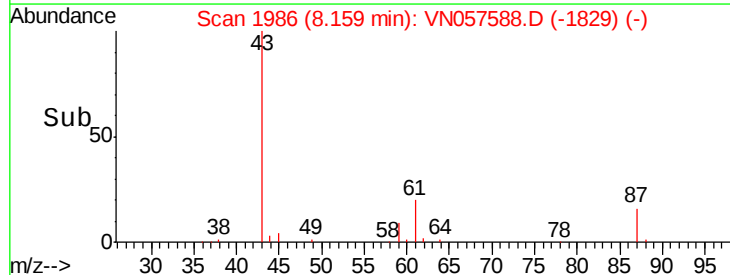
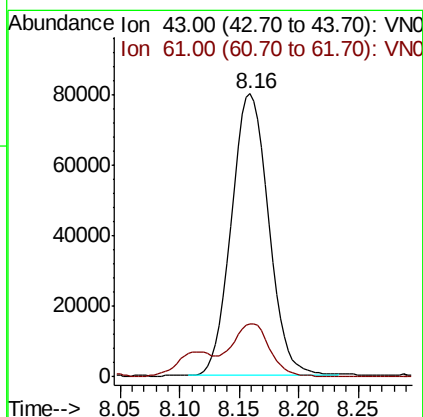
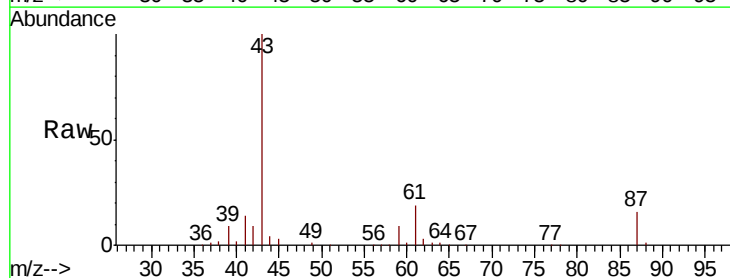
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

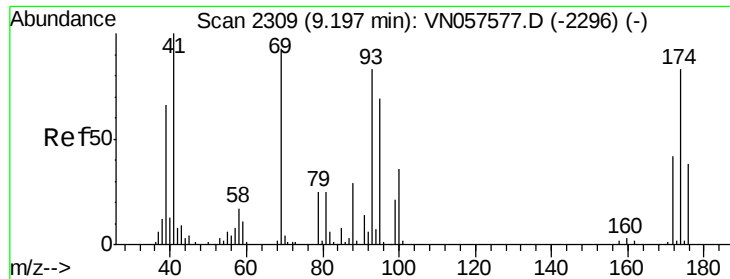
Tgt Ion: 43 Resp: 93160
 Ion Ratio Lower Upper
 43 100
 45 8.1 9.9 14.9#



#44
 Isopropyl Acetate
 Concen: 20.636 ug/l
 RT: 8.16 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VN057588.D
 Acq: 30 Aug 2019 14:43

Tgt Ion: 43 Resp: 173556
 Ion Ratio Lower Upper
 43 100
 61 19.2 16.0 24.0





#45

1,4-Dioxane

Concen: 413.246 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. 0.00 min

Lab File: VN057588.D

Acq: 30 Aug 2019 14:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

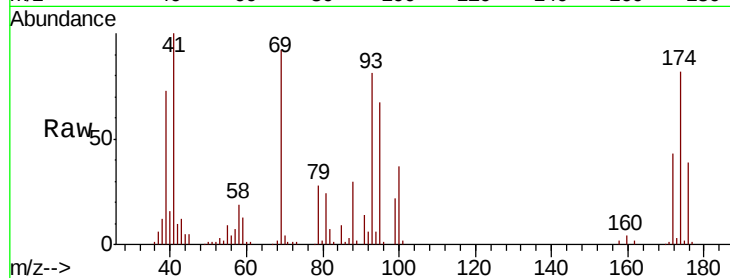
Tgt Ion: 88 Resp: 29925

Ion Ratio Lower Upper

88 100

43 31.9 18.2 27.4#

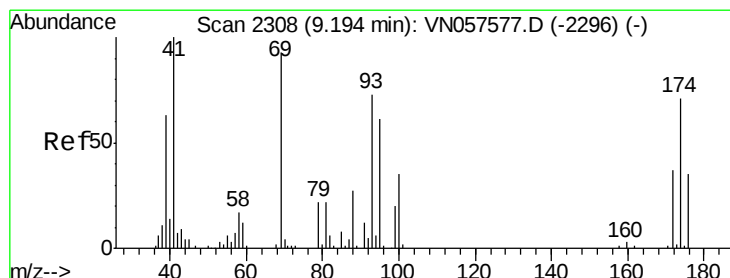
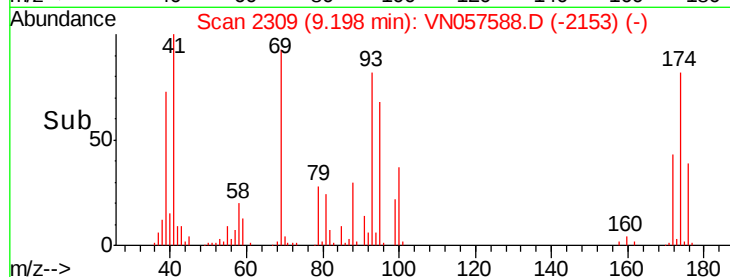
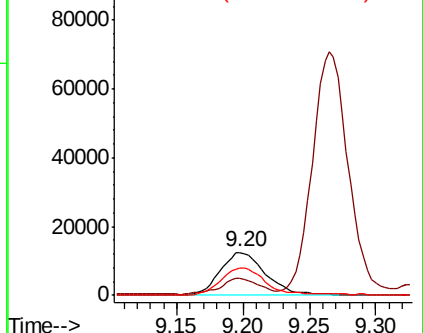
58 59.6 45.0 67.6



Abundance Ion 88.00 (87.70 to 88.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#46

Methyl methacrylate

Concen: 20.092 ug/l

RT: 9.19 min Scan# 2308

Delta R.T. 0.00 min

Lab File: VN057588.D

Acq: 30 Aug 2019 14:43

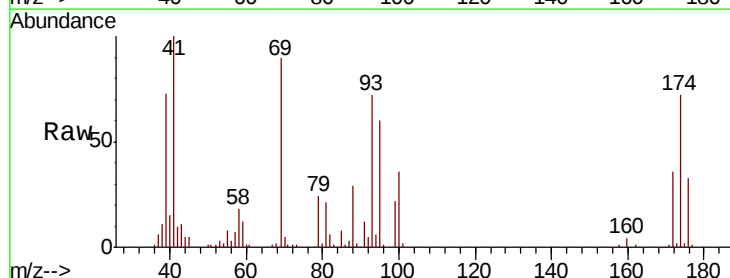
Tgt Ion: 41 Resp: 78371

Ion Ratio Lower Upper

41 100

69 92.0 46.4 139.1

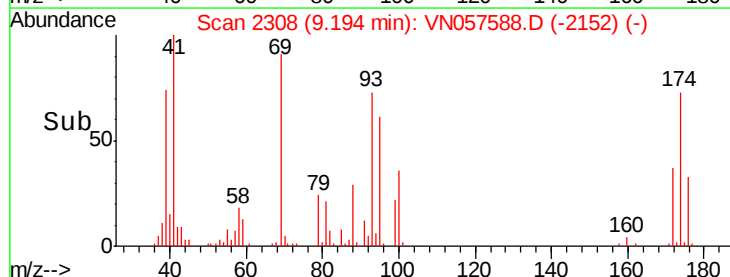
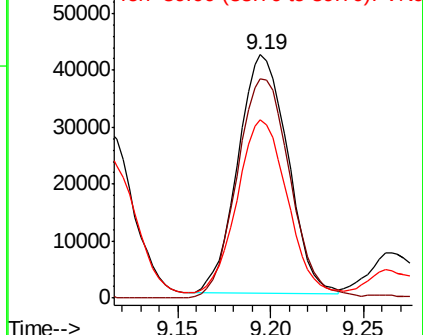
39 72.6 31.6 94.8

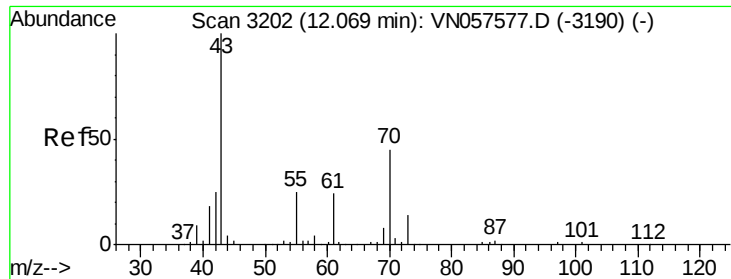


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

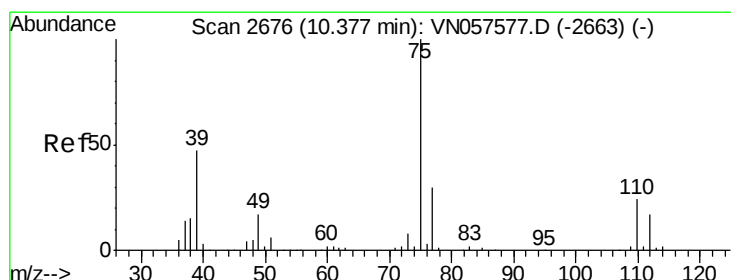
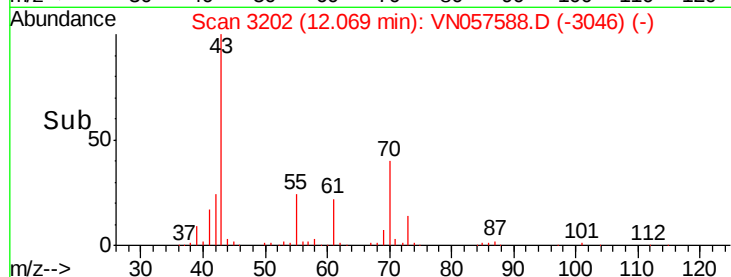
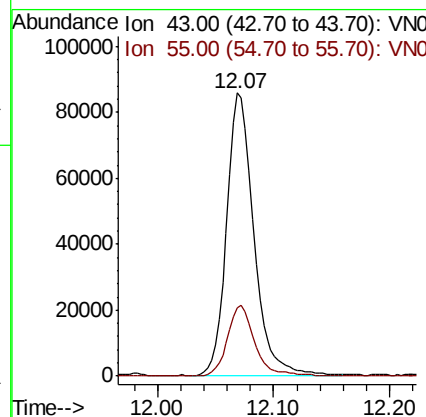
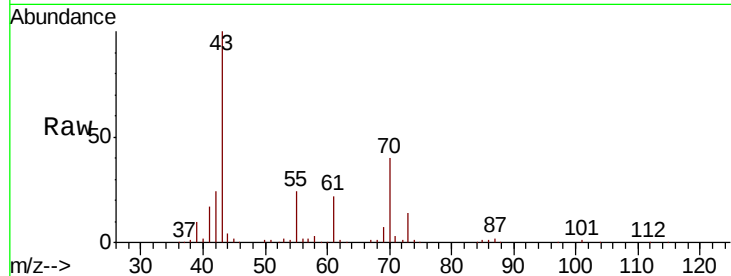




#47
n-amyl Acetate
Concen: 20.017 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. 0.00 min
Lab File: VN057588.D
Acq: 30 Aug 2019 14:43

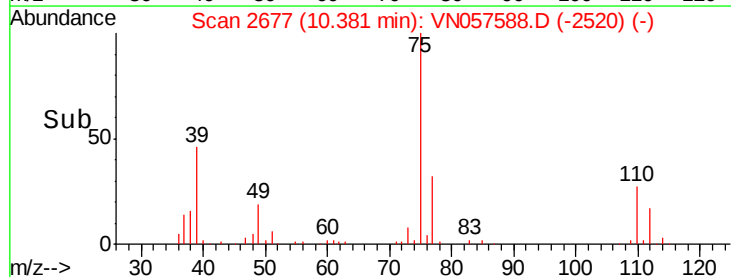
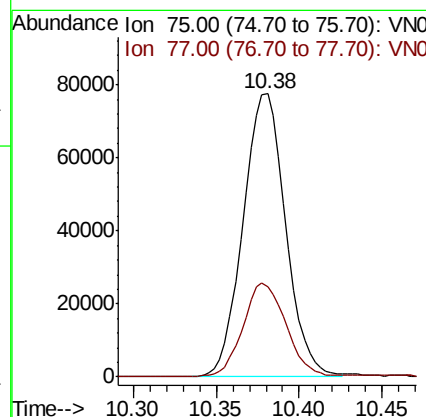
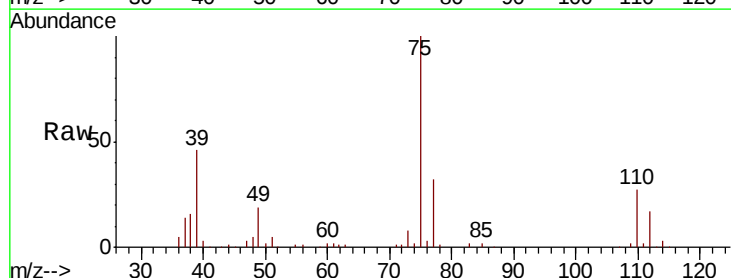
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

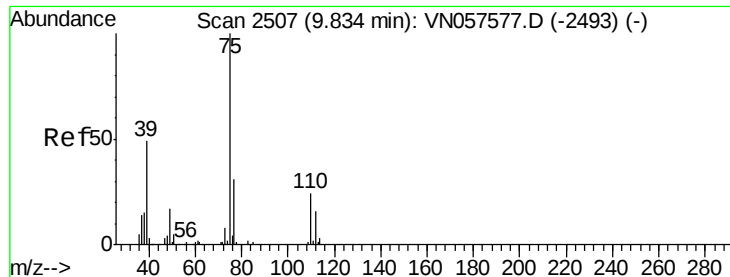
Tgt Ion: 43 Resp: 139367
Ion Ratio Lower Upper
43 100
55 24.8 20.2 30.2



#48
t-1,3-Dichloropropene
Concen: 17.988 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN057588.D
Acq: 30 Aug 2019 14:43

Tgt Ion: 75 Resp: 138863
Ion Ratio Lower Upper
75 100
77 31.6 23.8 35.6





#49

cis-1,3-Dichloropropene

Concen: 18.757 ug/l

RT: 9.83 min Scan# 2507

Delta R.T. 0.00 min

Lab File: VN057588.D

Acq: 30 Aug 2019 14:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

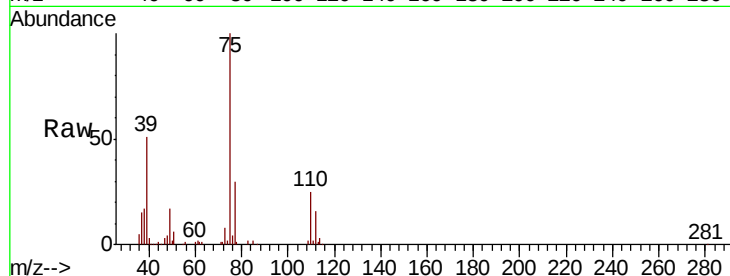
Tgt Ion: 75 Resp: 156823

Ion Ratio Lower Upper

75 100

77 29.9 25.0 37.4

39 50.7 39.0 58.4

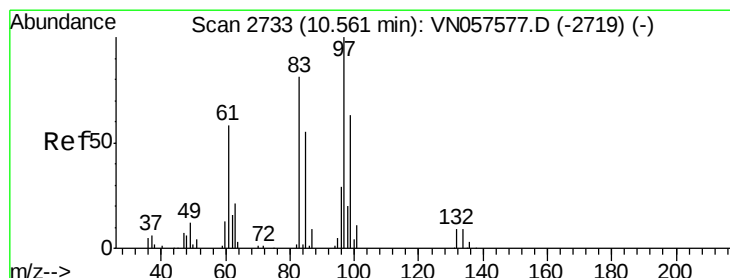
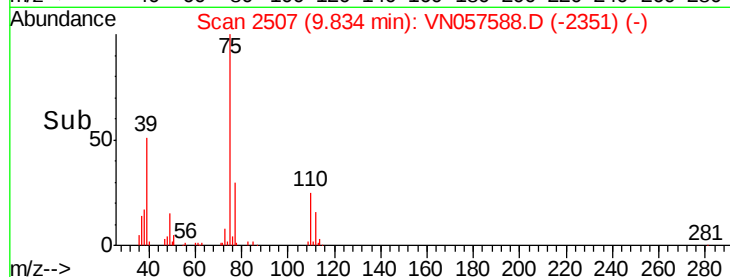
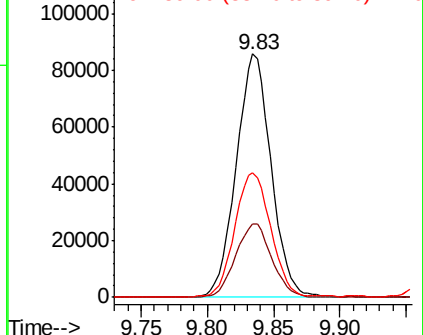


Abundance

Ion 75.00 (74.70 to 75.70): VNO

Ion 77.00 (76.70 to 77.70): VNO

Ion 39.00 (38.70 to 39.70): VNO



#50

1,1,2-Trichloroethane

Concen: 19.422 ug/l

RT: 10.56 min Scan# 2732

Delta R.T. -0.00 min

Lab File: VN057588.D

Acq: 30 Aug 2019 14:43

Tgt Ion: 97 Resp: 105232

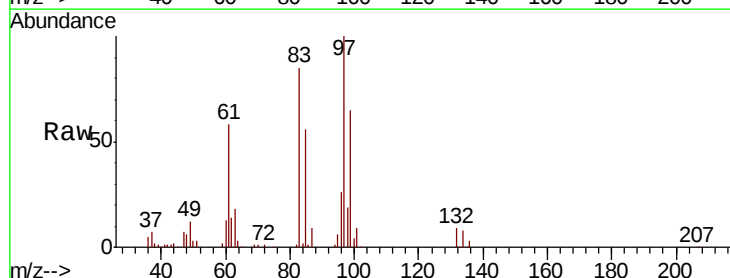
Ion Ratio Lower Upper

97 100

83 84.7 65.1 97.7

85 55.6 43.7 65.5

99 64.9 50.7 76.1



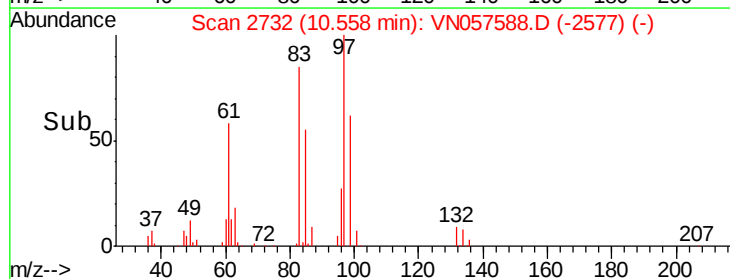
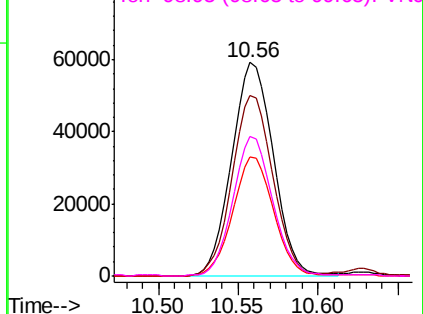
Abundance

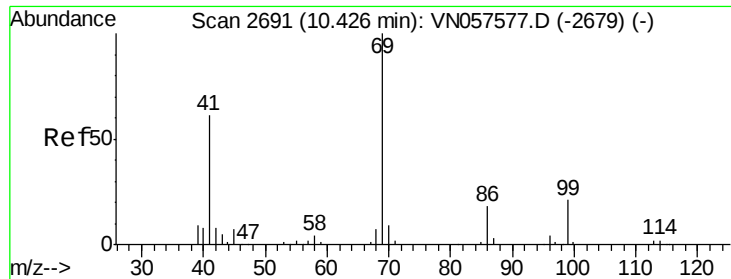
Ion 97.00 (96.70 to 97.70): VNO

Ion 82.95 (82.65 to 83.65): VNO

Ion 84.95 (84.65 to 85.65): VNO

Ion 98.95 (98.65 to 99.65): VNO





#51

Ethyl methacrylate

Concen: 19.035 ug/l

RT: 10.43 min Scan# 2691

Delta R.T. 0.00 min

Lab File: VN057588.D

Acq: 30 Aug 2019 14:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

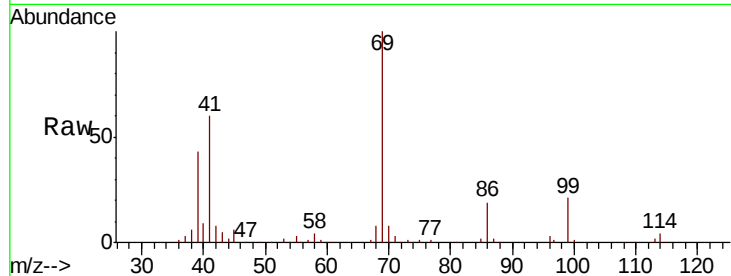
Tgt Ion: 69 Resp: 134233

Ion Ratio Lower Upper

69 100

41 59.9 30.6 92.0

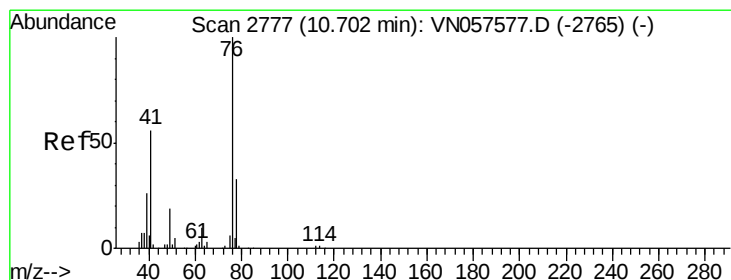
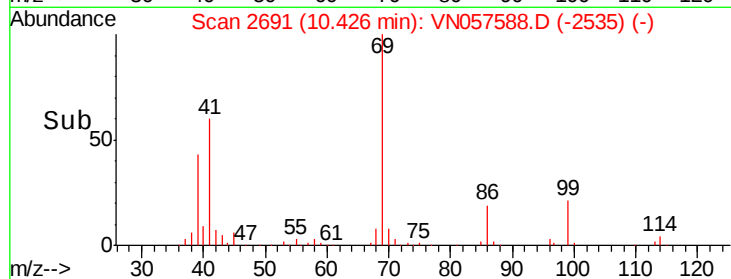
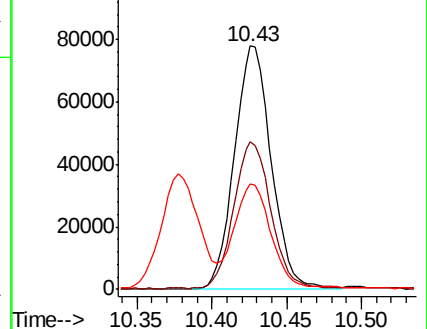
39 42.1 22.3 66.9



Abundance Ion 69.00 (68.70 to 69.70): VN057577.D (-2679) (-)

Ion 41.00 (40.70 to 41.70): VN057577.D (-2679) (-)

Ion 39.00 (38.70 to 39.70): VN057577.D (-2679) (-)



#52

1,3-Dichloropropane

Concen: 19.908 ug/l

RT: 10.70 min Scan# 2777

Delta R.T. 0.00 min

Lab File: VN057588.D

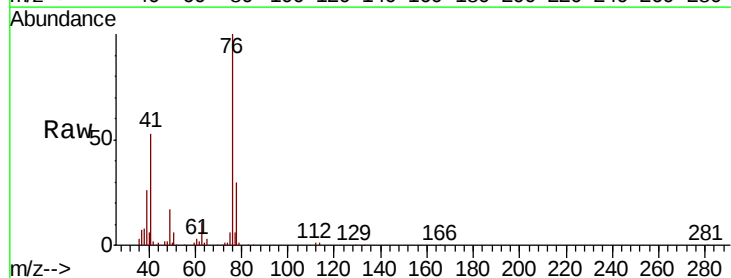
Acq: 30 Aug 2019 14:43

Tgt Ion: 76 Resp: 168069

Ion Ratio Lower Upper

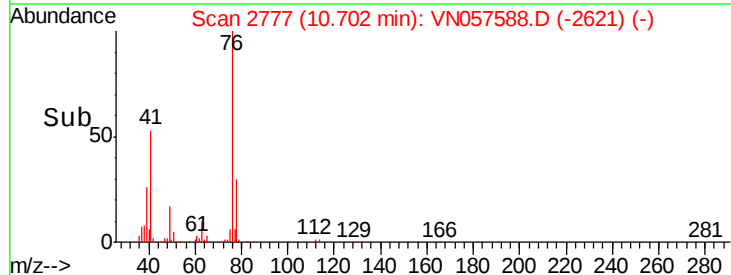
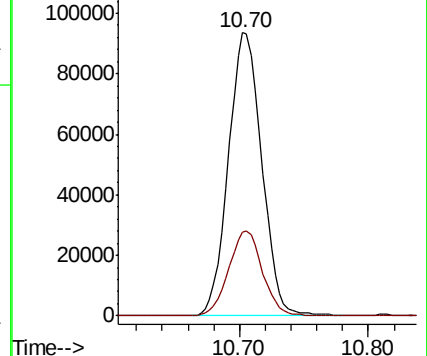
76 100

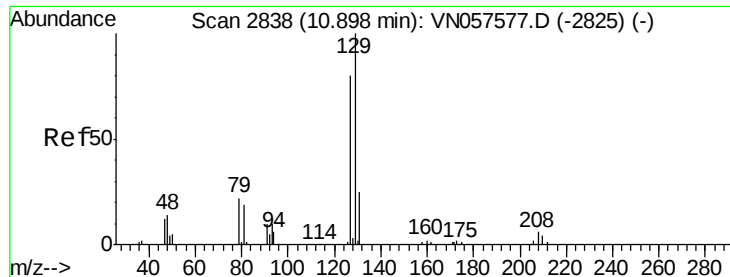
78 30.4 0.0 67.0



Abundance Ion 76.00 (75.70 to 76.70): VN057577.D (-2765) (-)

Ion 78.00 (77.70 to 78.70): VN057577.D (-2765) (-)





#53

Dibromochloromethane

Concen: 17.994 ug/l

RT: 10.90 min Scan# 2838

Delta R.T. 0.00 min

Lab File: VN057588.D

Acq: 30 Aug 2019 14:43

Instrument :

MSVOA_N

ClientSampleId :

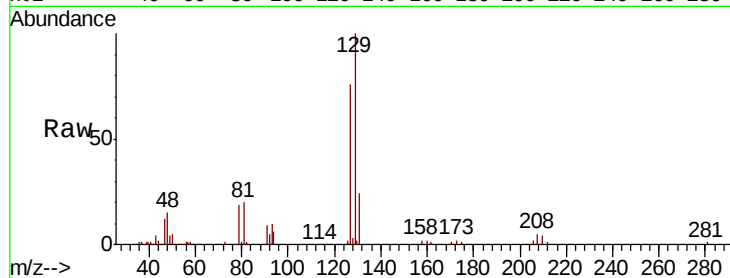
VSTDCCC020EC

Tgt Ion:129 Resp: 109767

Ion Ratio Lower Upper

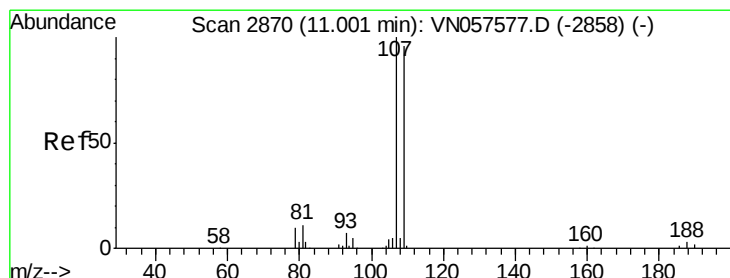
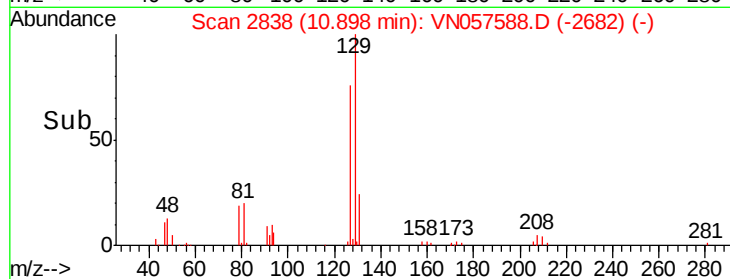
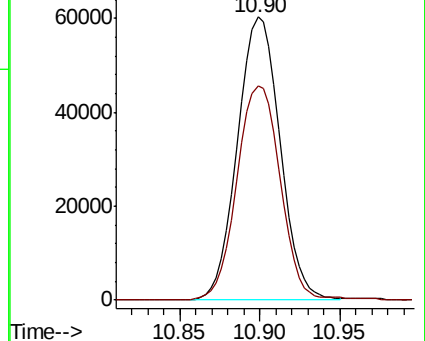
129 100

127 76.6 38.9 116.7



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#54

1,2-Dibromoethane

Concen: 18.686 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN057588.D

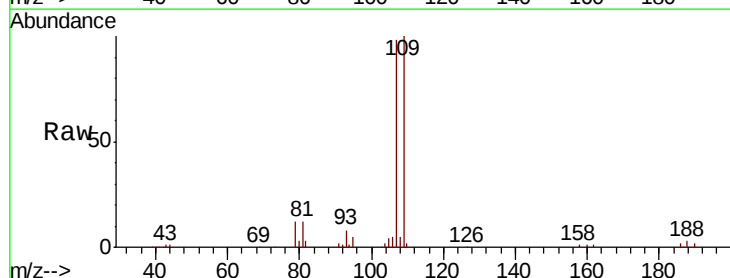
Acq: 30 Aug 2019 14:43

Tgt Ion:107 Resp: 104935

Ion Ratio Lower Upper

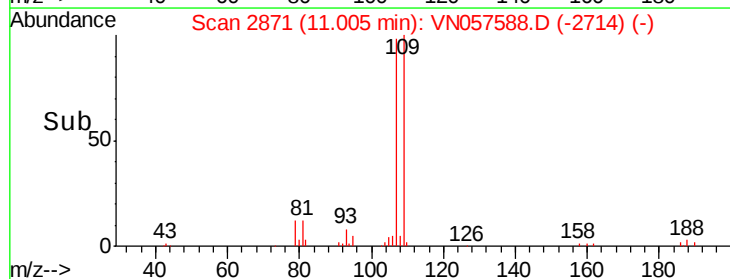
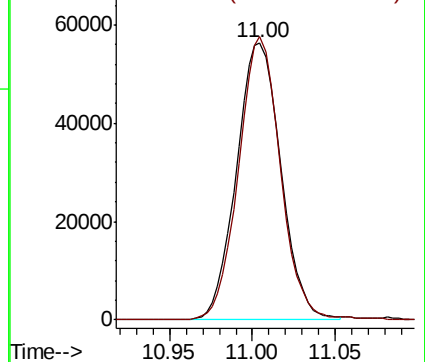
107 100

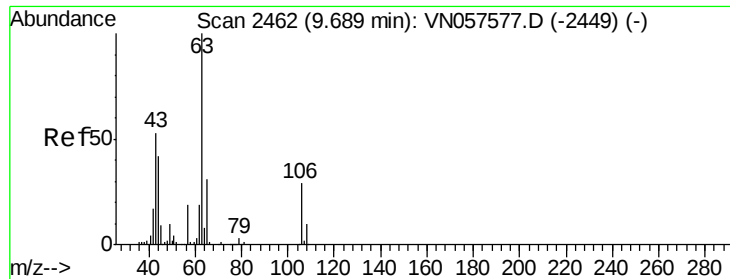
109 96.1 75.2 112.8



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

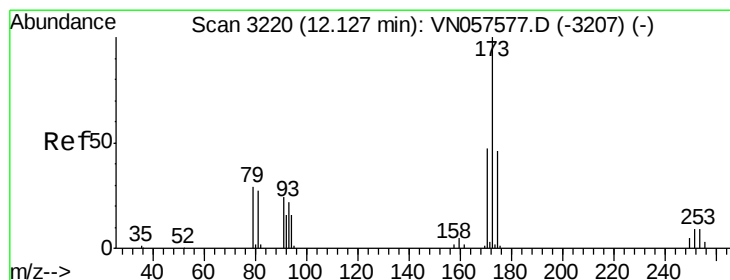
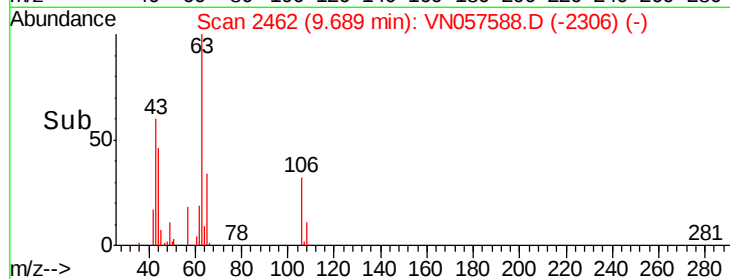
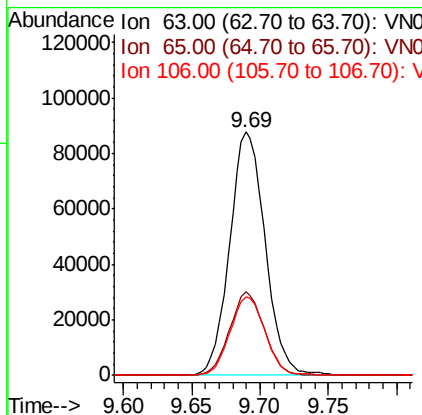
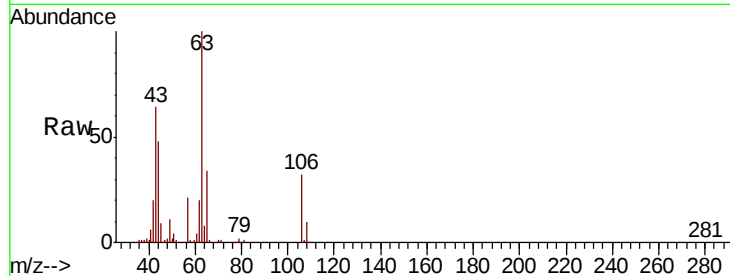




#55
 2-Chloroethyl vinyl ether
 Concen: 91.672 ug/l
 RT: 9.69 min Scan# 2462
 Delta R.T. 0.00 min
 Lab File: VN057588.D
 Acq: 30 Aug 2019 14:43

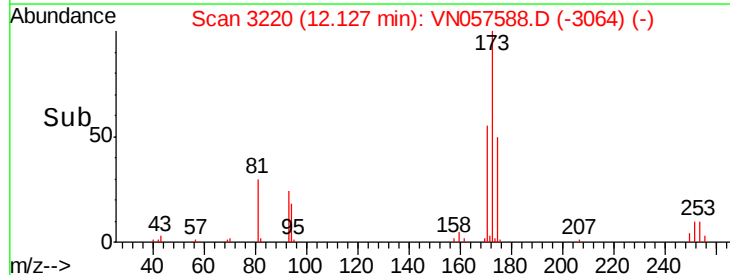
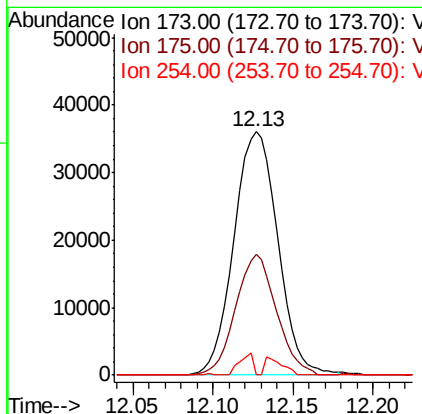
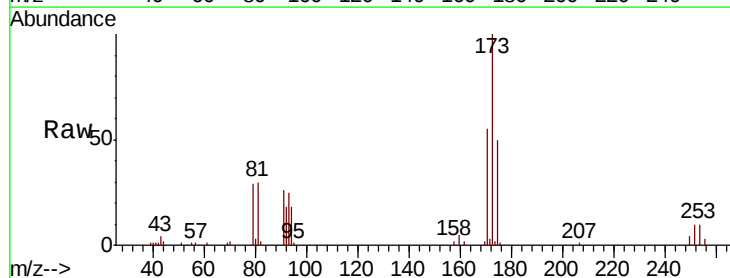
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

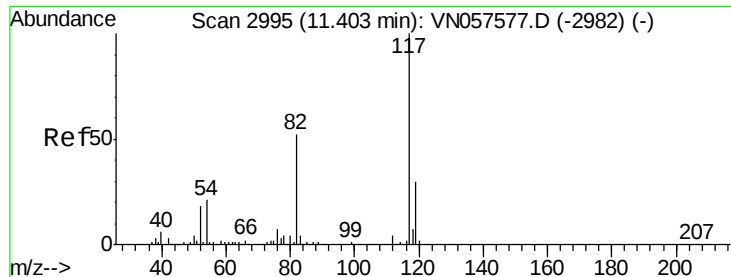
Tgt Ion: 63 Resp: 158673
 Ion Ratio Lower Upper
 63 100
 65 33.2 25.0 37.4
 106 31.7 23.7 35.5



#56
 Bromoform
 Concen: 16.987 ug/l
 RT: 12.13 min Scan# 3220
 Delta R.T. 0.00 min
 Lab File: VN057588.D
 Acq: 30 Aug 2019 14:43

Tgt Ion: 173 Resp: 67762
 Ion Ratio Lower Upper
 173 100
 175 45.8 37.3 55.9
 254 2.6 2.2 3.2

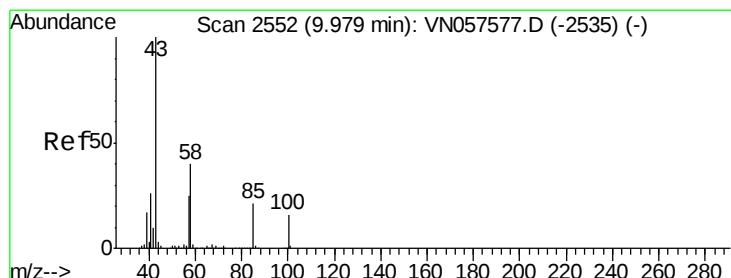
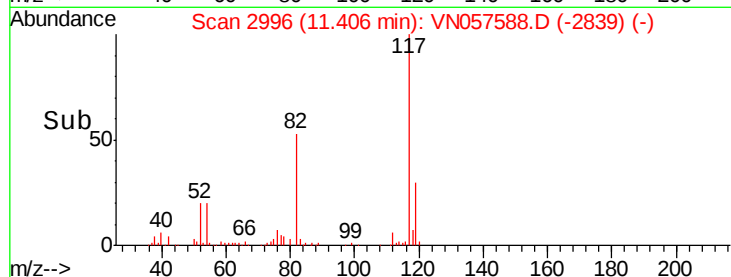
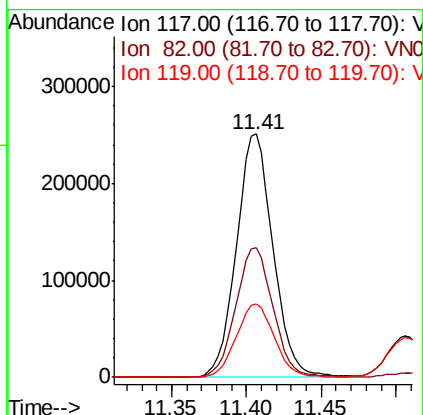
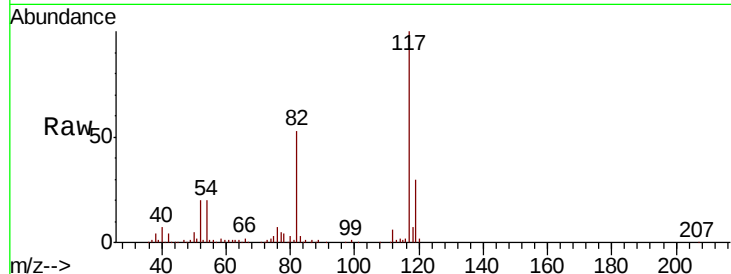




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN057588.D
Acq: 30 Aug 2019 14:43

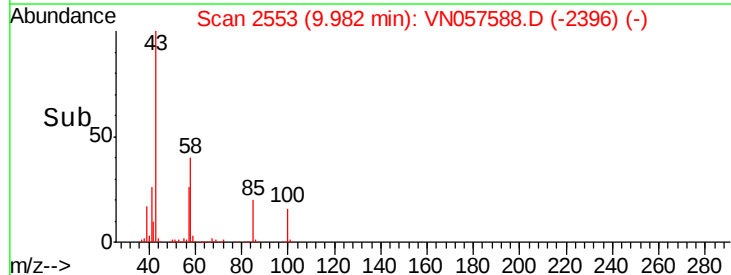
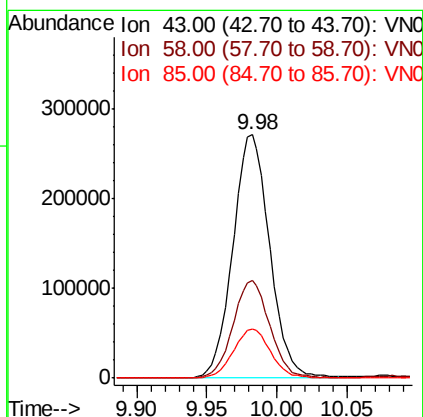
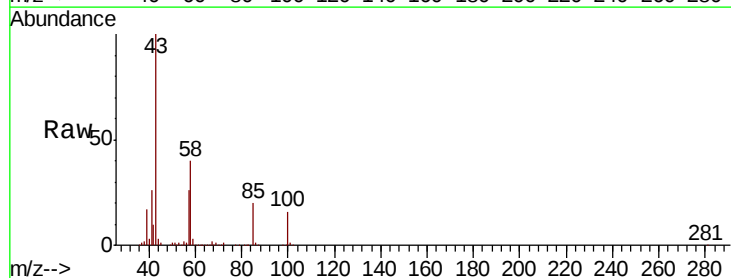
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

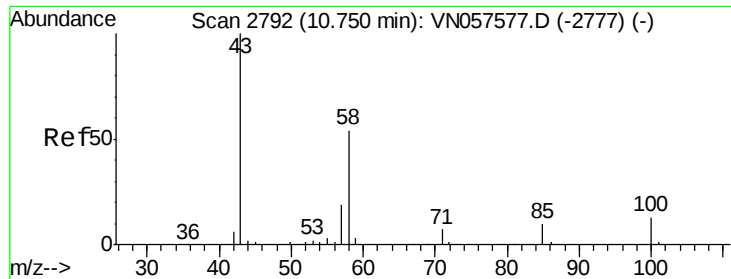
Tgt Ion	Ratio	Lower	Upper
117	100		
82	54.2	42.6	63.8
119	31.5	25.0	37.6



#58
4-Methyl-2-Pentanone
Concen: 113.844 ug/l
RT: 9.98 min Scan# 2553
Delta R.T. 0.00 min
Lab File: VN057588.D
Acq: 30 Aug 2019 14:43

Tgt Ion	Ratio	Lower	Upper
43	100		
58	40.2	32.1	48.1
85	20.5	16.6	24.8

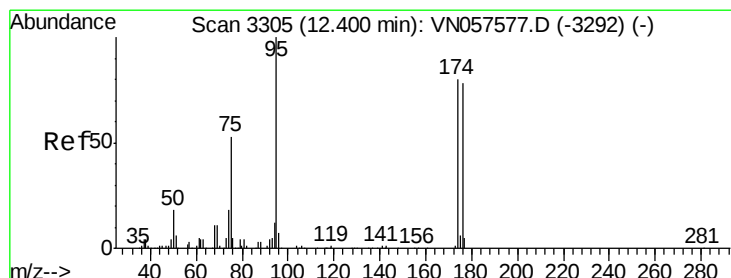
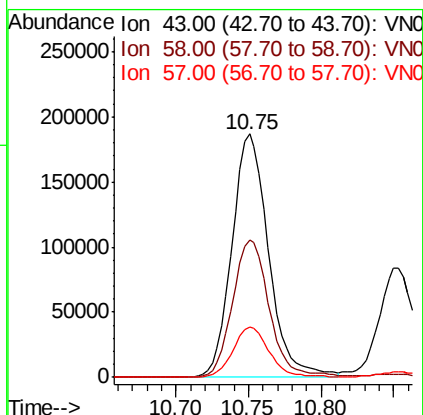
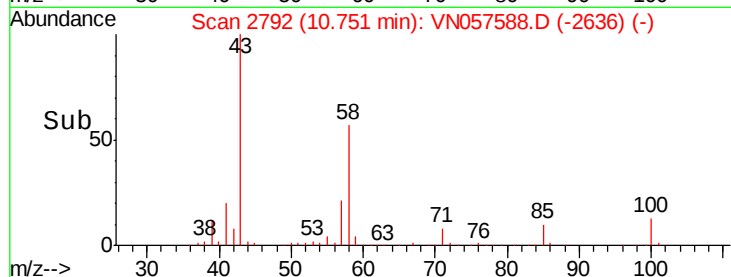
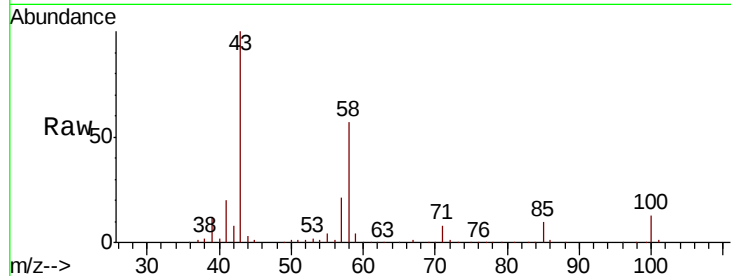




#59
2-Hexanone
Concen: 106.664 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN057588.D
Acq: 30 Aug 2019 14:43

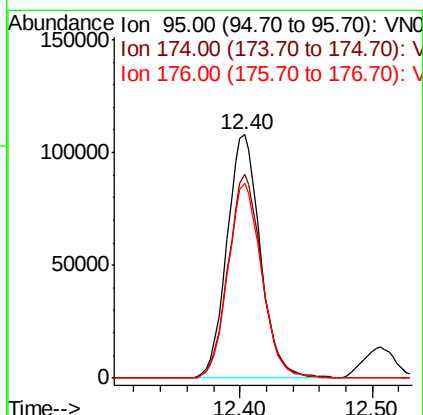
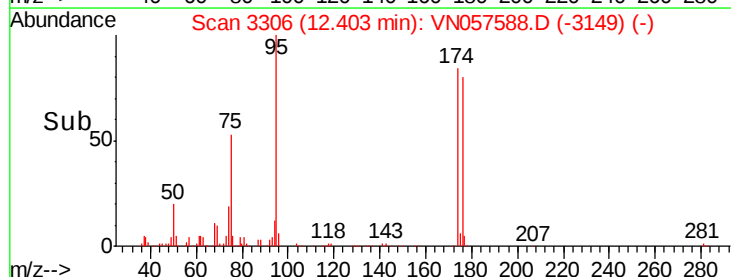
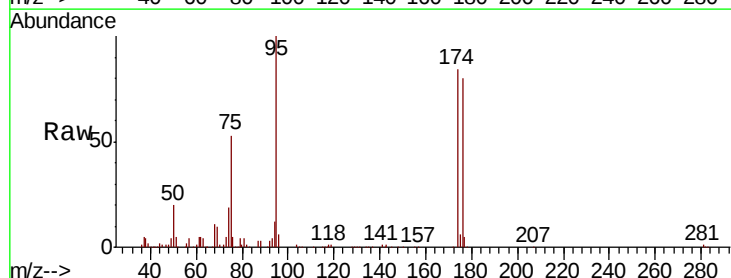
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

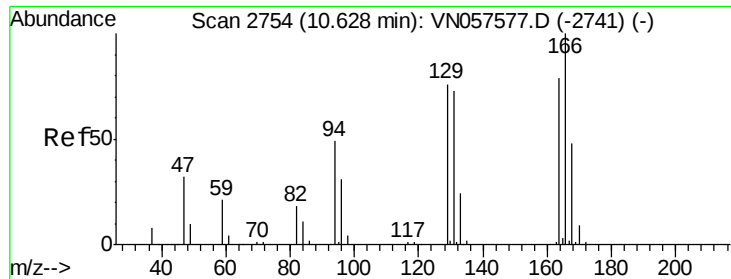
Tgt Ion: 43 Resp: 326266
Ion Ratio Lower Upper
43 100
58 57.1 42.9 64.3
57 20.9 15.4 23.2



#60
4-Bromofluorobenzene
Concen: 28.986 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN057588.D
Acq: 30 Aug 2019 14:43

Tgt Ion: 95 Resp: 188658
Ion Ratio Lower Upper
95 100
174 84.3 66.2 99.2
176 80.8 65.0 97.6

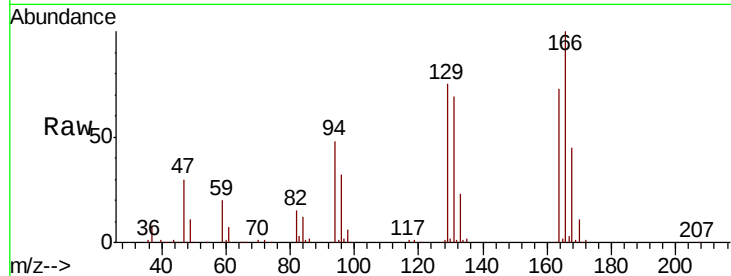




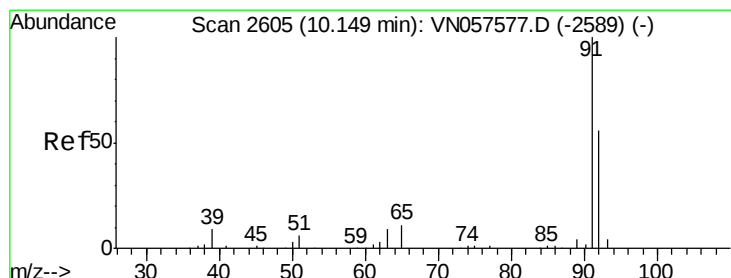
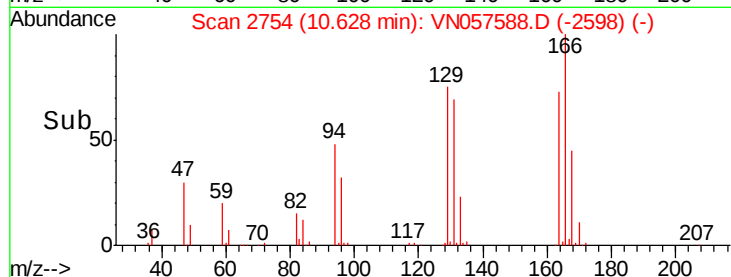
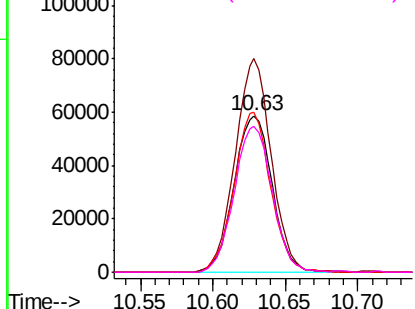
#61
Tetrachloroethene
Concen: 19.576 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN057588.D
Acq: 30 Aug 2019 14:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion:164 Resp: 107145
Ion Ratio Lower Upper
164 100
166 136.4 100.7 151.1
129 102.2 76.3 114.5
131 93.5 73.8 110.6

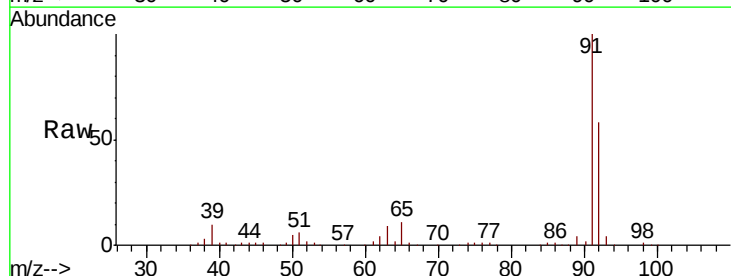


Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.90 (128.60 to 129.60): V
Ion 130.90 (130.60 to 131.60): V

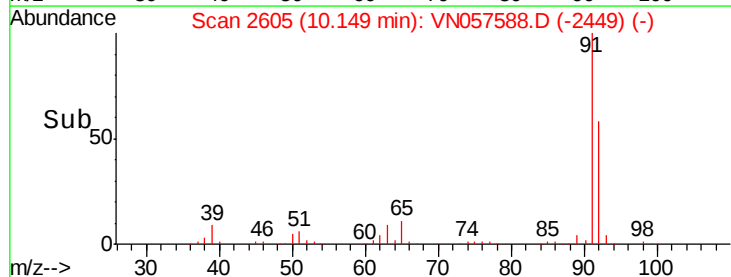
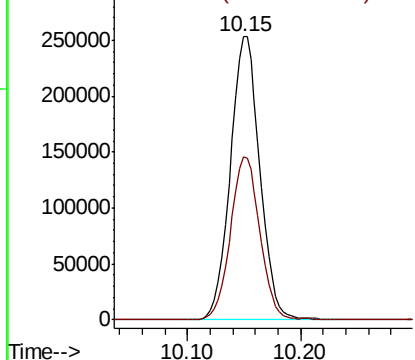


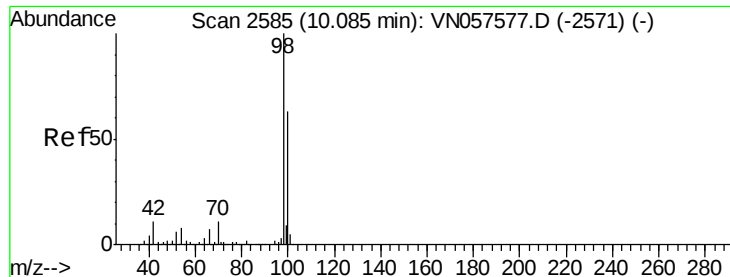
#62
Toluene
Concen: 21.150 ug/l
RT: 10.15 min Scan# 2605
Delta R.T. 0.00 min
Lab File: VN057588.D
Acq: 30 Aug 2019 14:43

Tgt Ion: 91 Resp: 459143
Ion Ratio Lower Upper
91 100
92 57.2 45.4 68.2



Abundance Ion 91.00 (90.70 to 91.70): V
Ion 92.00 (91.70 to 92.70): V





#63

Toluene-d8

Concen: 30.704 ug/l

RT: 10.08 min Scan# 2585

Delta R.T. 0.00 min

Lab File: VN057588.D

Acq: 30 Aug 2019 14:43

Instrument :

MSVOA_N

ClientSampleId :

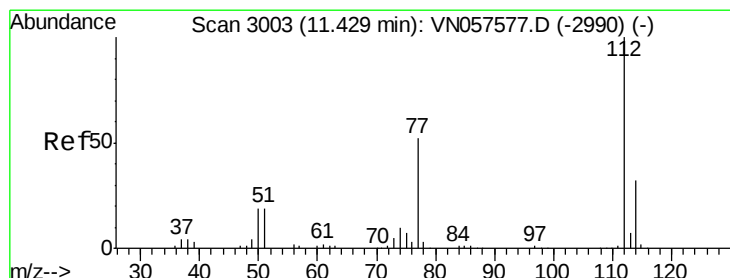
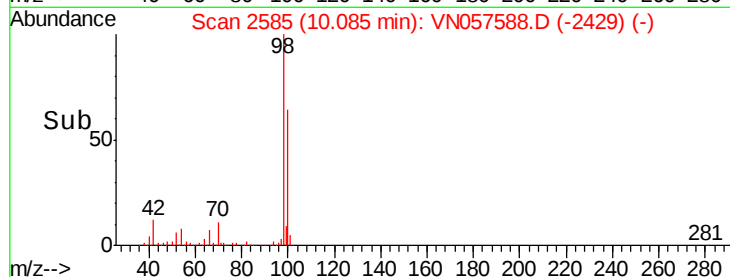
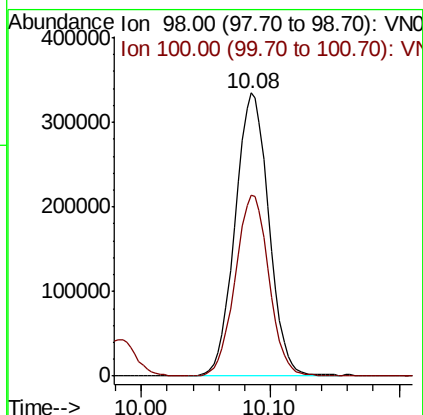
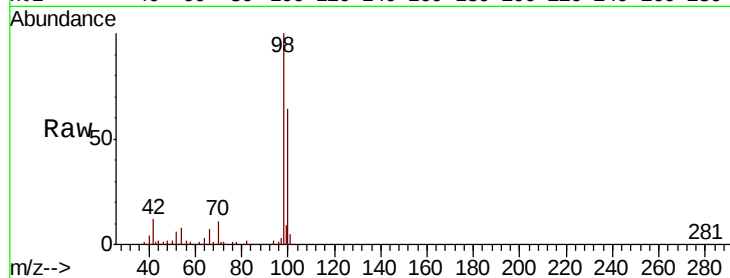
VSTDCCC020EC

Tgt Ion: 98 Resp: 608743

Ion Ratio Lower Upper

98 100

100 63.8 50.2 75.2



#64

Chlorobenzene

Concen: 19.792 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN057588.D

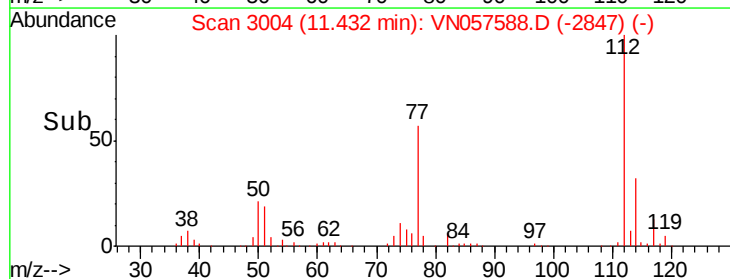
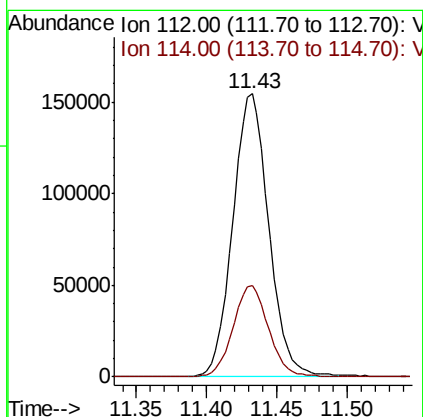
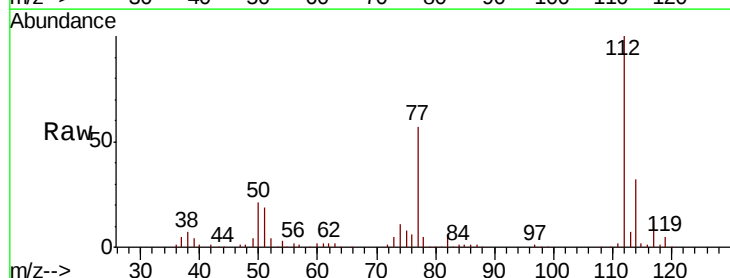
Acq: 30 Aug 2019 14:43

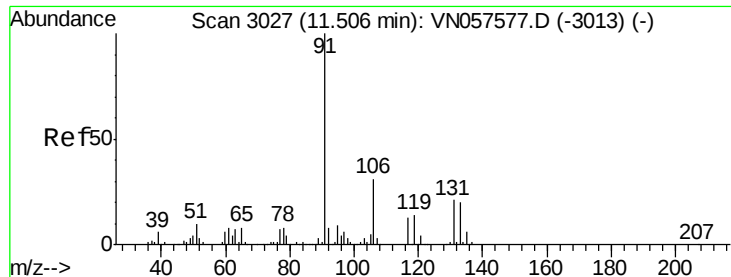
Tgt Ion: 112 Resp: 276675

Ion Ratio Lower Upper

112 100

114 32.3 25.4 38.2





#65

1,1,1,2-Tetrachloroethane

Concen: 19.415 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. 0.00 min

Lab File: VN057588.D

Acq: 30 Aug 2019 14:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

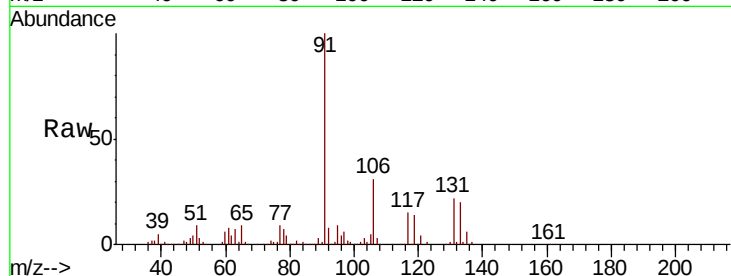
Tgt Ion: 131 Resp: 107708

Ion Ratio Lower Upper

131 100

133 96.3 0.0 186.0

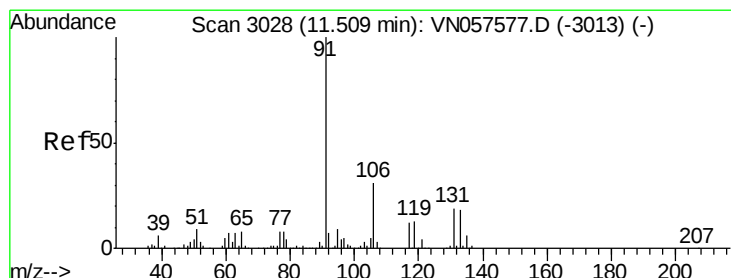
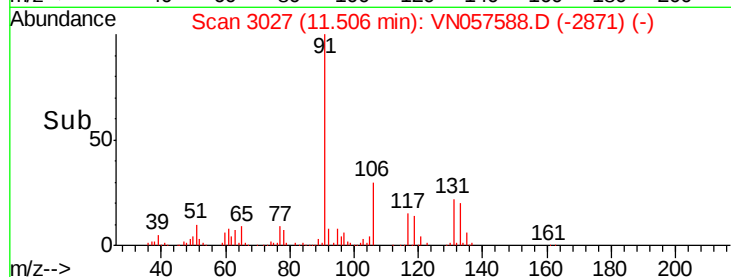
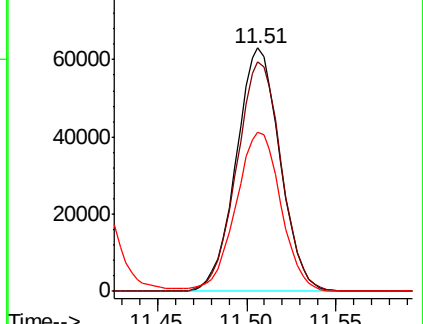
119 67.5 0.0 134.6



Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V



#66

Ethyl Benzene

Concen: 21.758 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN057588.D

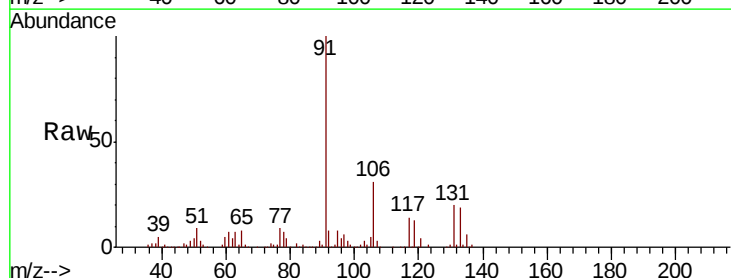
Acq: 30 Aug 2019 14:43

Tgt Ion: 91 Resp: 508135

Ion Ratio Lower Upper

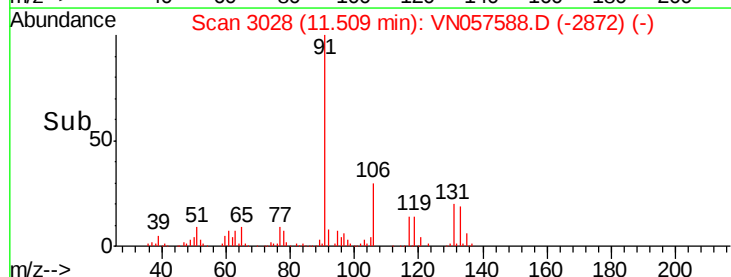
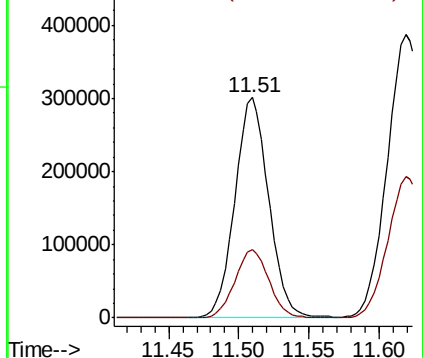
91 100

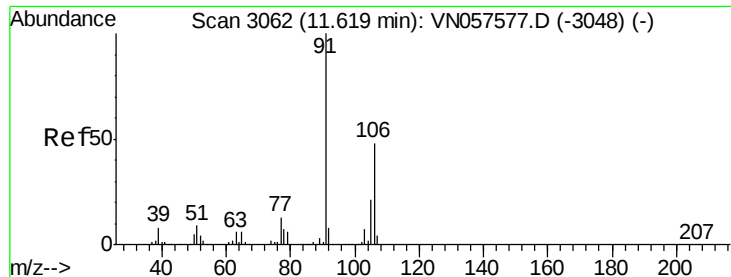
106 31.0 24.7 37.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V





#67

m/p-Xylenes

Concen: 40.274 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. 0.00 min

Lab File: VN057588.D

Acq: 30 Aug 2019 14:43

Instrument :

MSVOA_N

ClientSampleId :

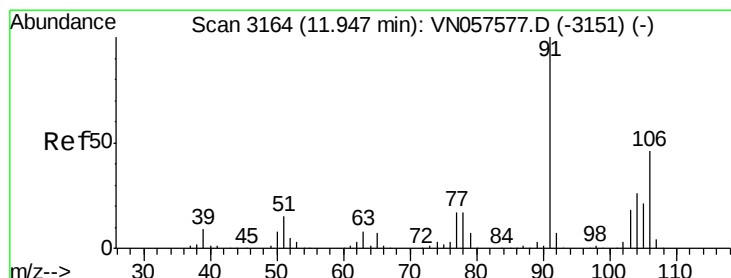
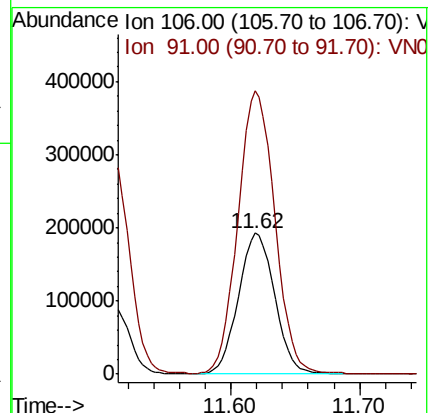
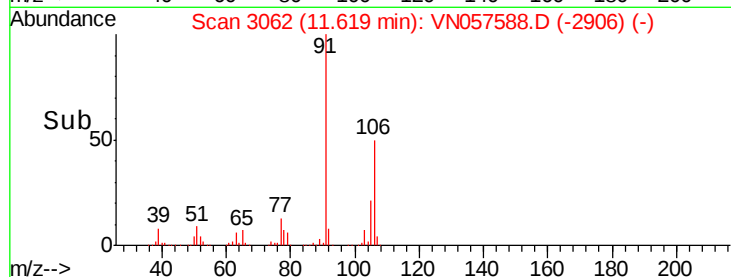
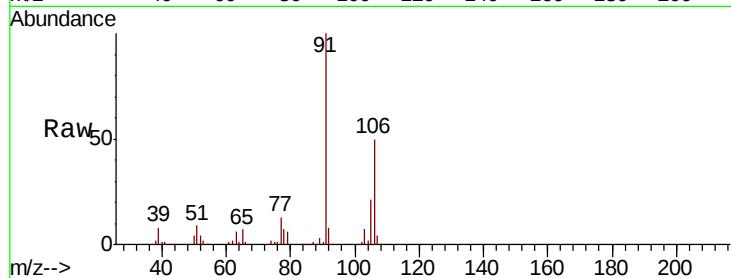
VSTDCCC020EC

Tgt Ion:106 Resp: 376313

Ion Ratio Lower Upper

106 100

91 205.3 164.1 246.1



#68

o-Xylene

Concen: 19.930 ug/l

RT: 11.95 min Scan# 3164

Delta R.T. 0.00 min

Lab File: VN057588.D

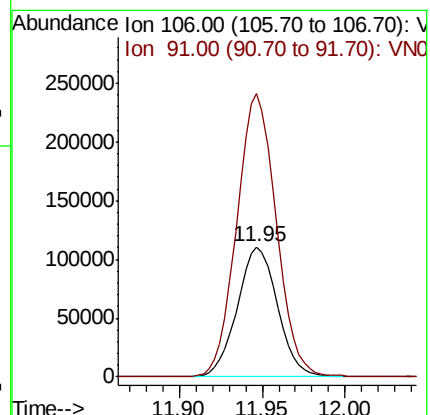
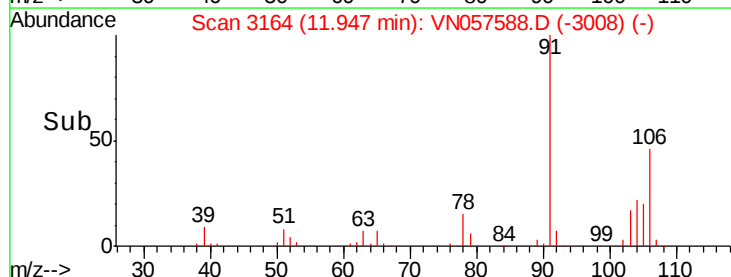
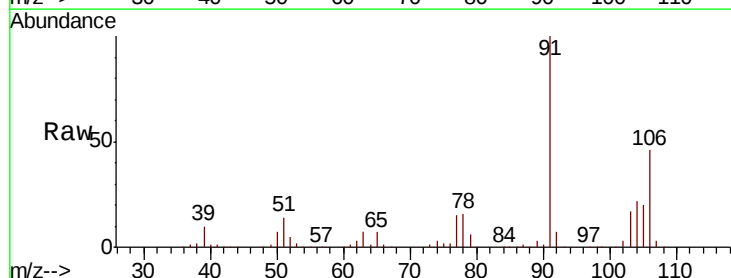
Acq: 30 Aug 2019 14:43

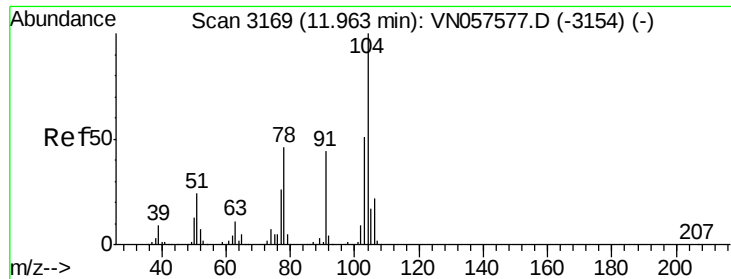
Tgt Ion:106 Resp: 187105

Ion Ratio Lower Upper

106 100

91 214.2 107.8 323.6

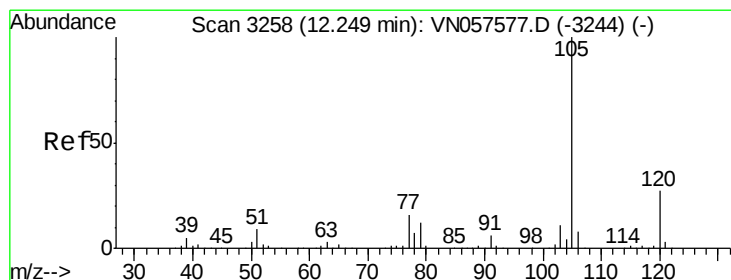
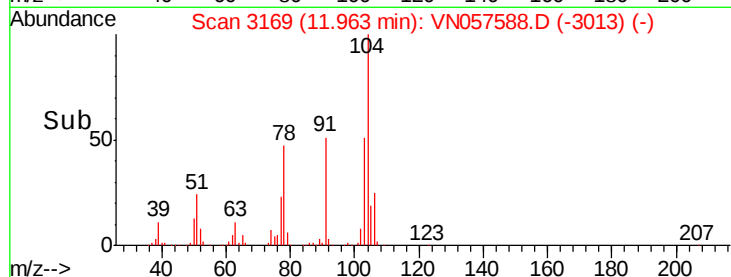
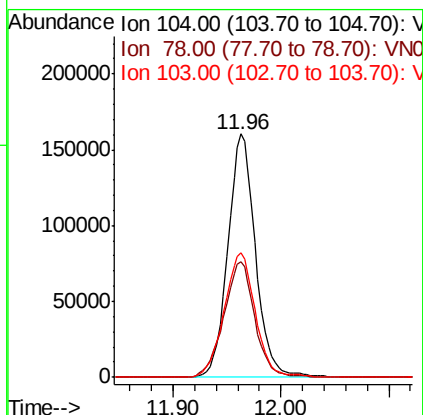
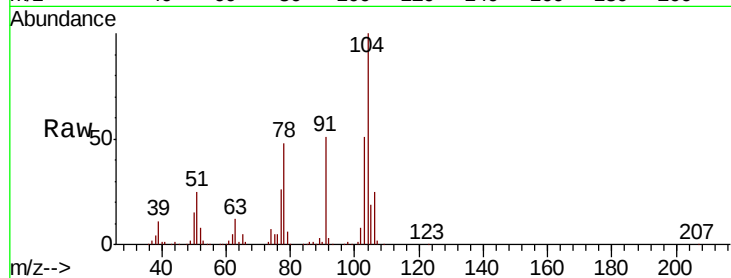




#69
Styrene
Concen: 19.230 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN057588.D
Acq: 30 Aug 2019 14:43

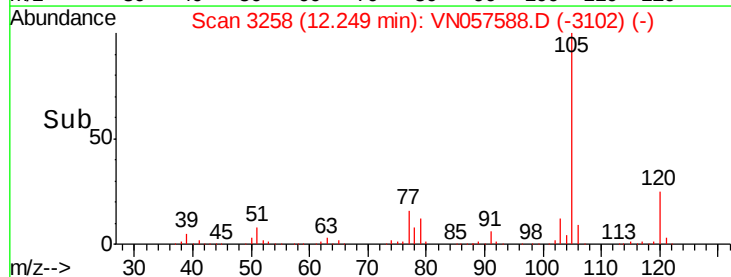
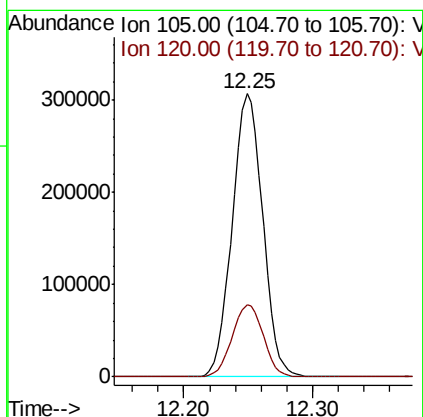
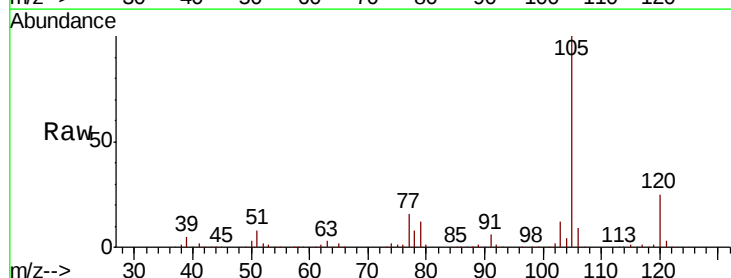
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

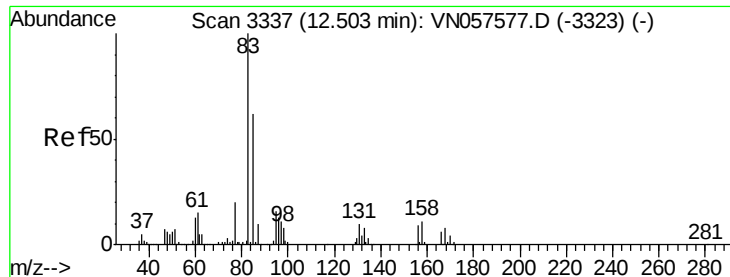
Tgt Ion:104 Resp: 286130
Ion Ratio Lower Upper
104 100
78 53.0 41.4 62.0
103 57.2 44.8 67.2



#70
Isopropylbenzene
Concen: 21.458 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN057588.D
Acq: 30 Aug 2019 14:43

Tgt Ion:105 Resp: 504972
Ion Ratio Lower Upper
105 100
120 26.0 18.7 34.7





#71

1,1,2,2-Tetrachloroethane

Concen: 20.293 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN057588.D

Acq: 30 Aug 2019 14:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

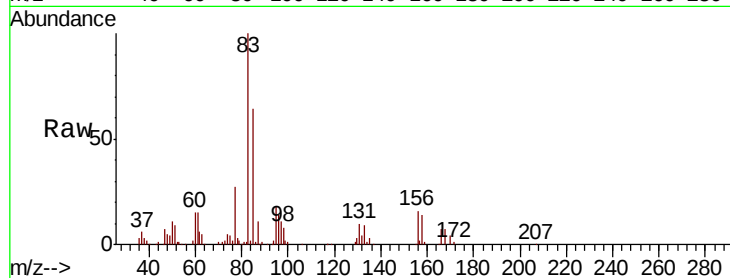
Tgt Ion: 83 Resp: 127022

Ion Ratio Lower Upper

83 100

131 11.1 5.2 15.6

85 65.8 31.6 94.8



Abundance Ion 83.00 (82.70 to 83.70): VN057577.D (-3323) (-)

Ion 131.00 (130.70 to 131.70): VN057577.D (-3323) (-)

Ion 85.00 (84.70 to 85.70): VN057577.D (-3323) (-)

12.51

80000

60000

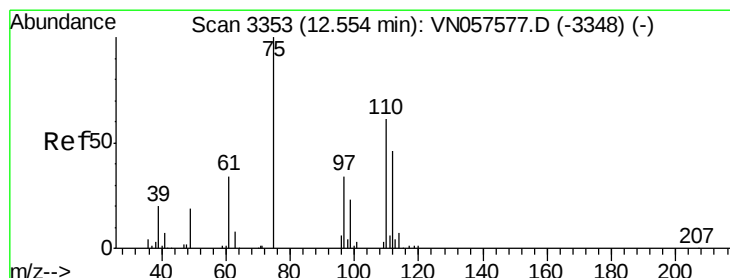
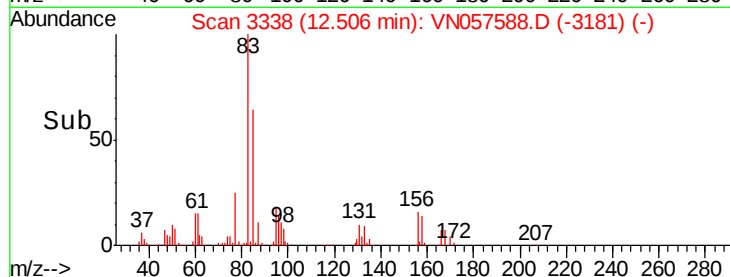
40000

20000

0

12.45 12.50 12.55

Time-->



#72

1,2,3-Trichloropropane

Concen: 28.612 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN057588.D

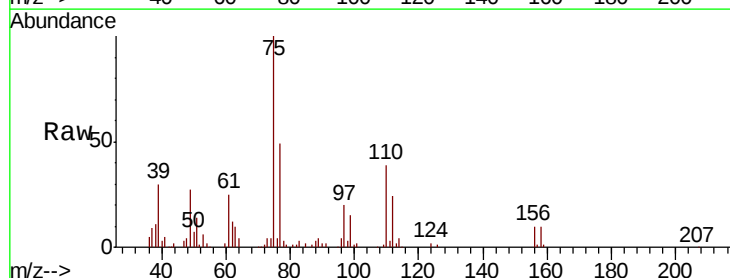
Acq: 30 Aug 2019 14:43

Tgt Ion: 75 Resp: 152041

Ion Ratio Lower Upper

75 100

77 141.2 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) (-)

120000

100000

80000

60000

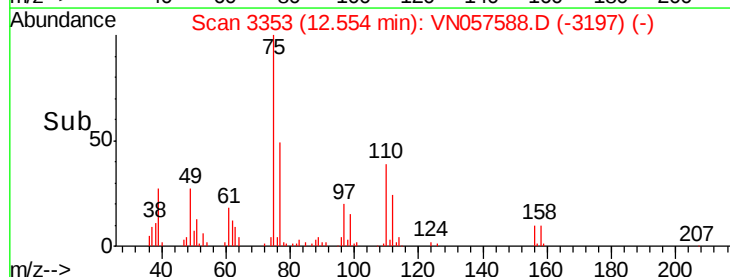
40000

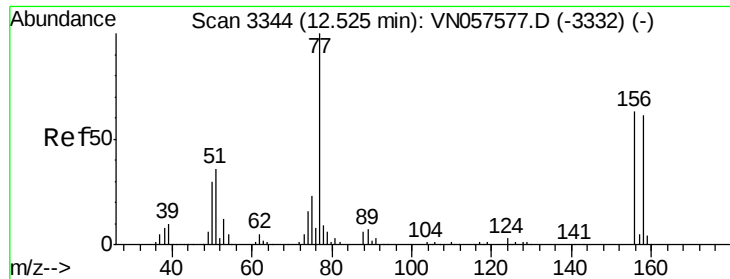
20000

0

12.50 12.55 12.60

Time-->





#73

Bromobenzene

Concen: 19.069 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN057588.D

Acq: 30 Aug 2019 14:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

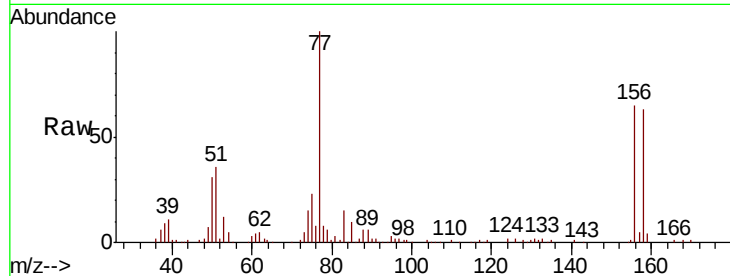
Tgt Ion:156 Resp: 114715

Ion Ratio Lower Upper

156 100

77 187.2 0.0 374.6

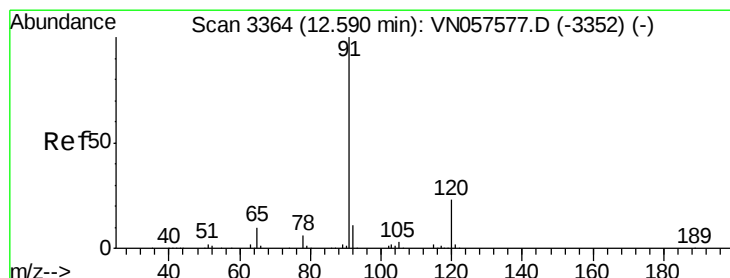
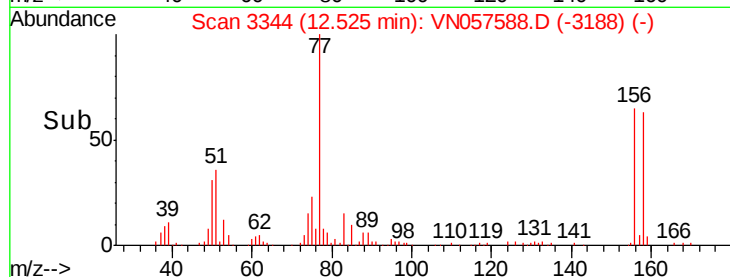
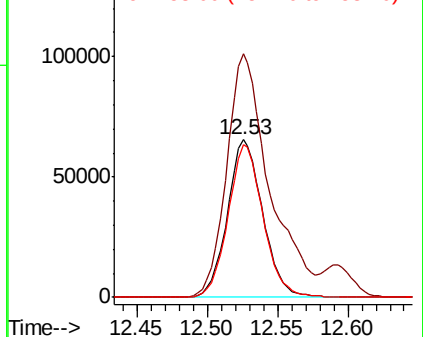
158 95.9 0.0 197.4



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 21.231 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN057588.D

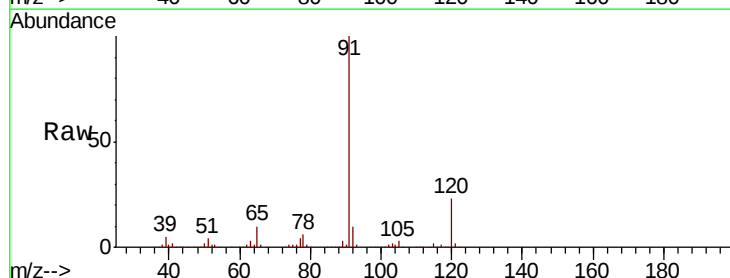
Acq: 30 Aug 2019 14:43

Tgt Ion: 91 Resp: 515051

Ion Ratio Lower Upper

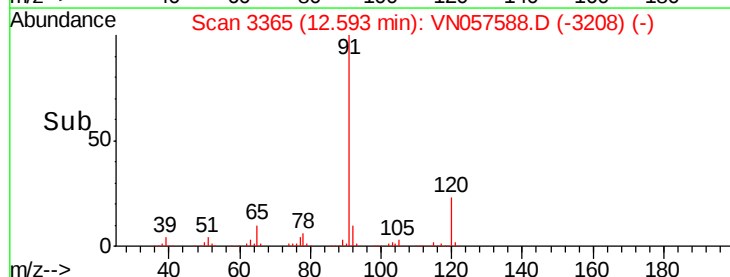
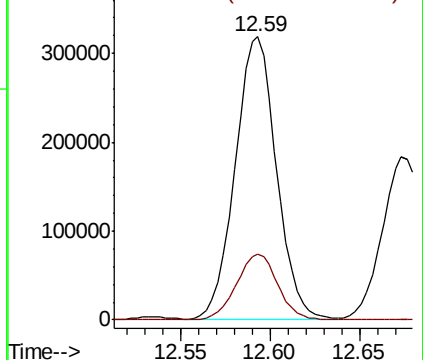
91 100

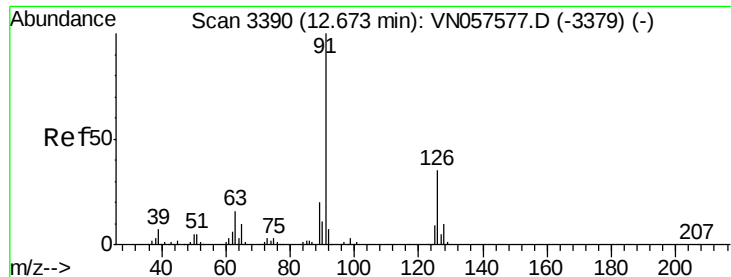
120 23.1 0.0 46.6



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 20.090 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN057588.D

Acq: 30 Aug 2019 14:43

Instrument :

MSVOA_N

ClientSampleId :

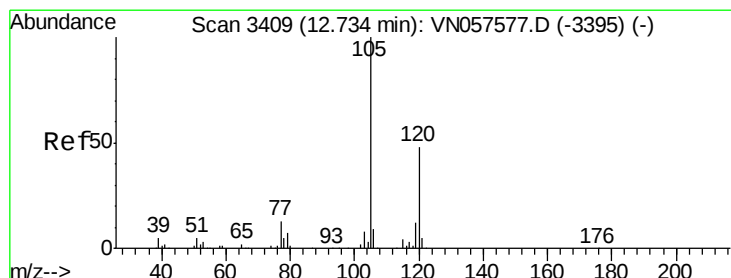
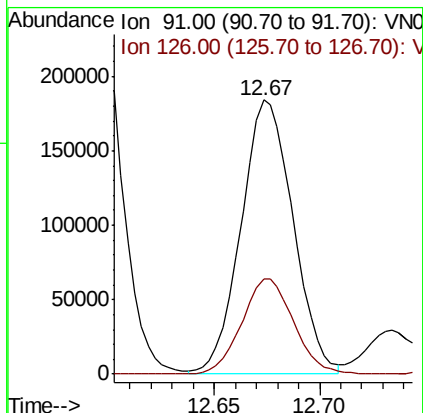
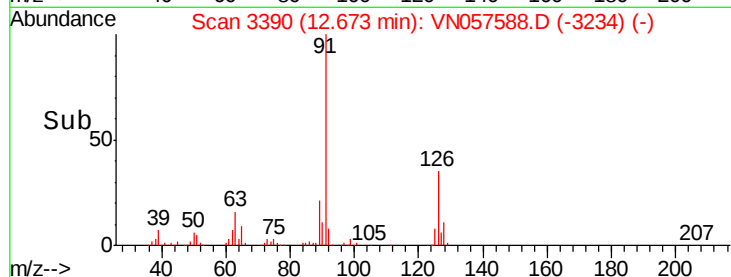
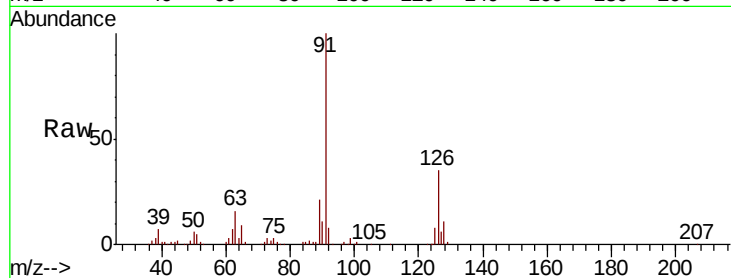
VSTDCCC020EC

Tgt Ion: 91 Resp: 314791

Ion Ratio Lower Upper

91 100

126 35.0 0.0 70.4



#76

1,3,5-Trimethylbenzene

Concen: 20.997 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN057588.D

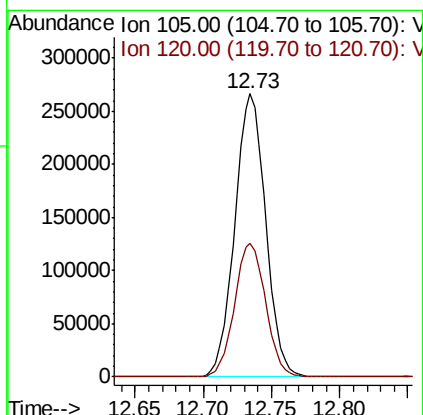
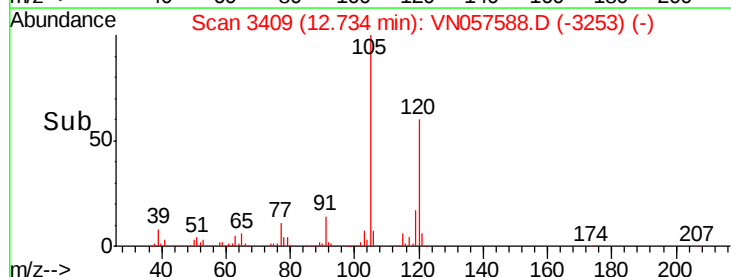
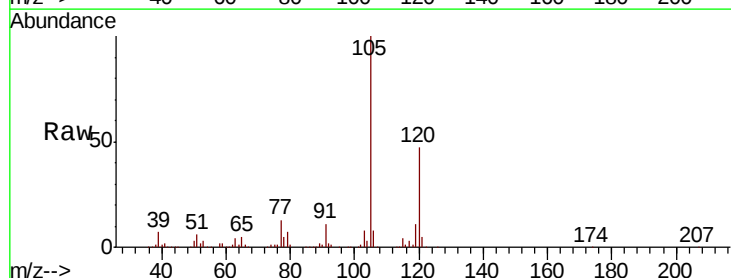
Acq: 30 Aug 2019 14:43

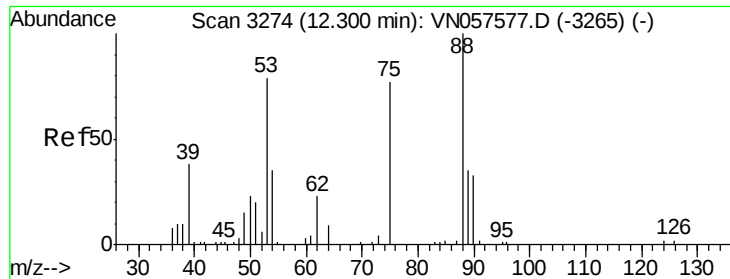
Tgt Ion: 105 Resp: 418144

Ion Ratio Lower Upper

105 100

120 47.6 0.0 95.8





#77

t-1,4-Dichloro-2-butene

Concen: 18.586 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN057588.D

Acq: 30 Aug 2019 14:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

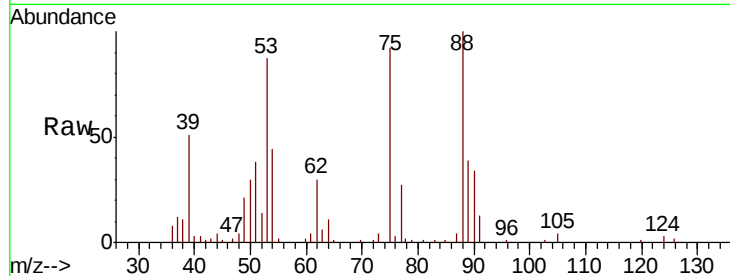
Tgt Ion: 75 Resp: 31281

Ion Ratio Lower Upper

75 100

53 94.7 52.8 158.4

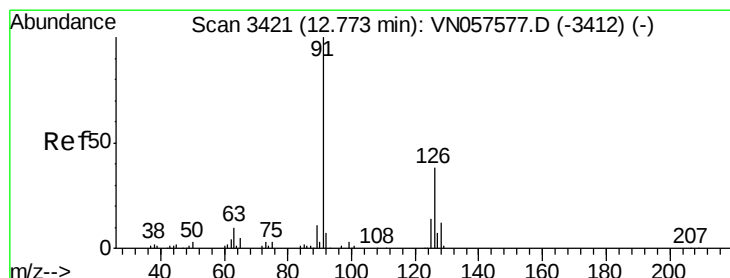
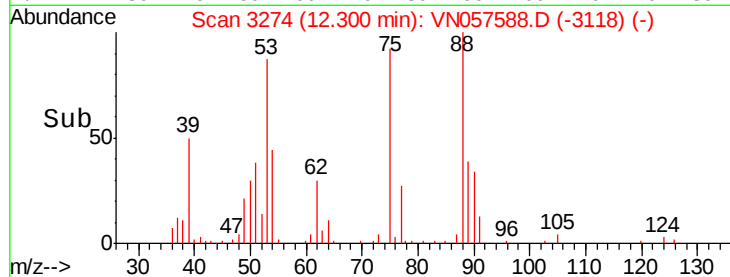
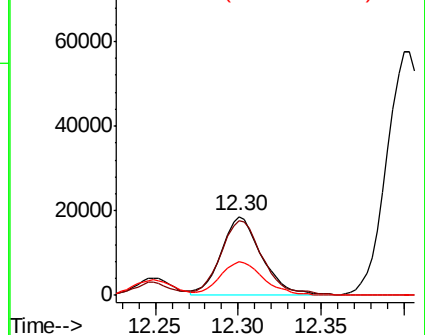
89 42.4 23.2 69.5



Abundance Ion 75.00 (74.70 to 75.70): VN057577.D (-3265) (-)

Ion 53.00 (52.70 to 53.70): VN057577.D (-3265) (-)

Ion 89.00 (88.70 to 89.70): VN057577.D (-3265) (-)



#78

4-Chlorotoluene

Concen: 19.361 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN057588.D

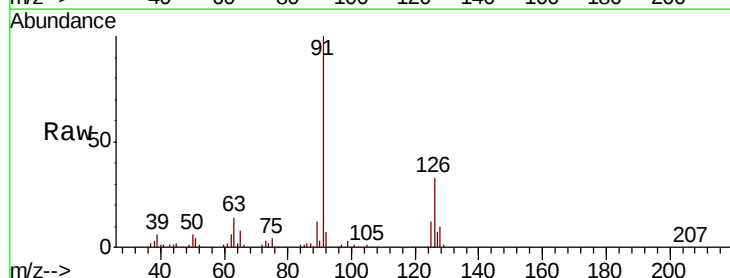
Acq: 30 Aug 2019 14:43

Tgt Ion: 91 Resp: 291824

Ion Ratio Lower Upper

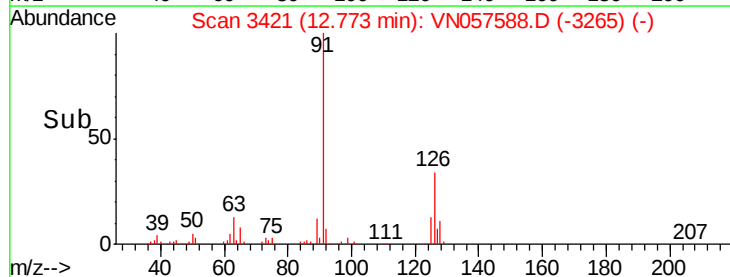
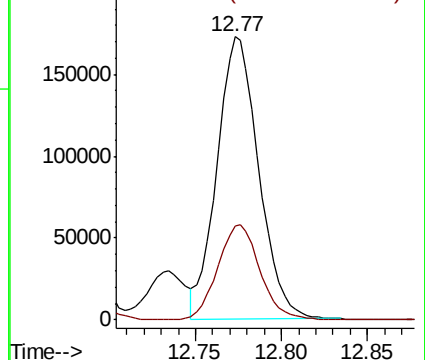
91 100

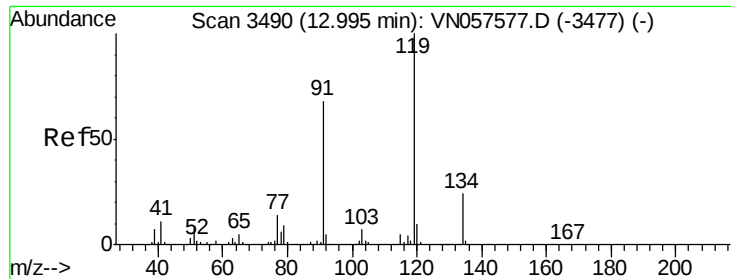
126 34.2 0.0 68.6



Abundance Ion 91.00 (90.70 to 91.70): VN057577.D (-3412) (-)

Ion 126.00 (125.70 to 126.70): VN057577.D (-3412) (-)

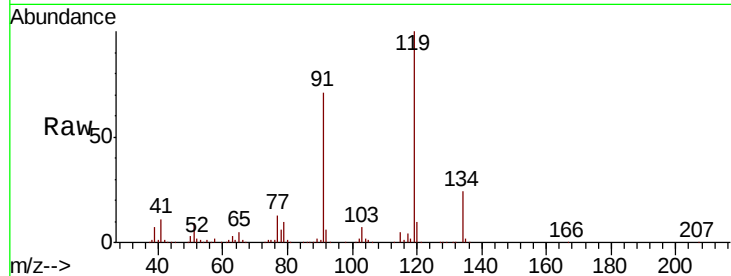




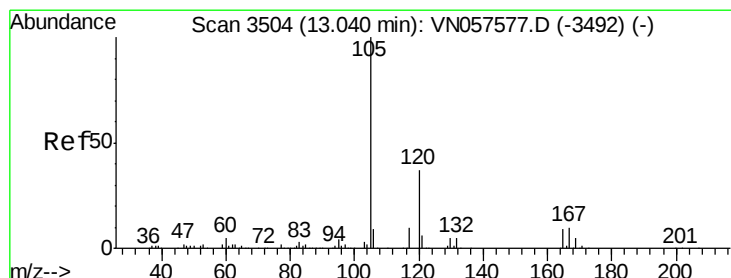
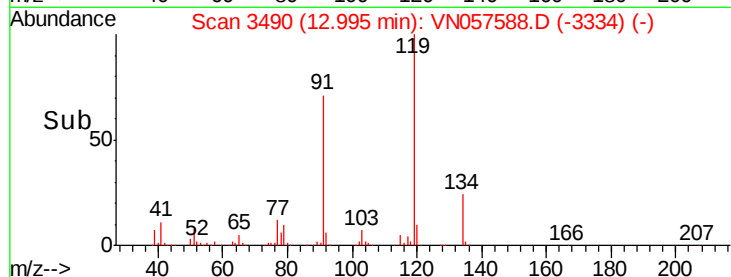
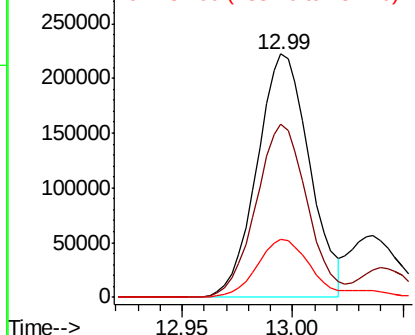
#79
tert-butylbenzene
Concen: 20.155 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. 0.00 min
Lab File: VN057588.D
Acq: 30 Aug 2019 14:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion:119 Resp: 366826
Ion Ratio Lower Upper
119 100
91 69.6 0.0 137.6
134 23.8 0.0 47.8

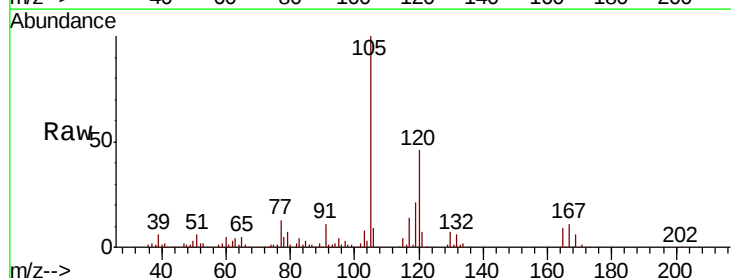


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): VN
Ion 134.00 (133.70 to 134.70): V

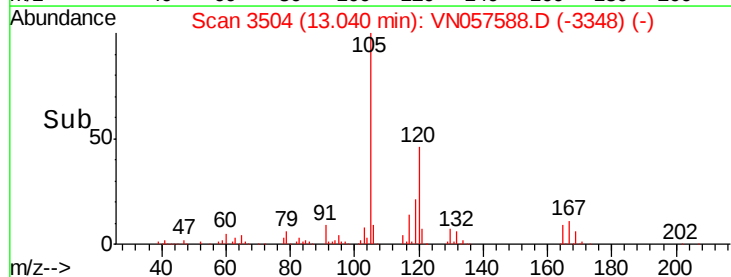
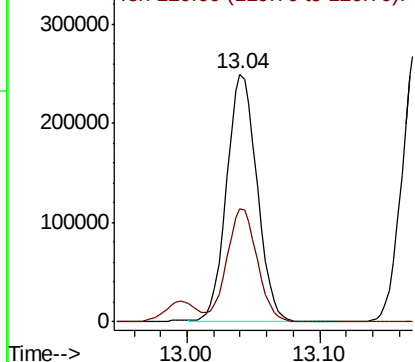


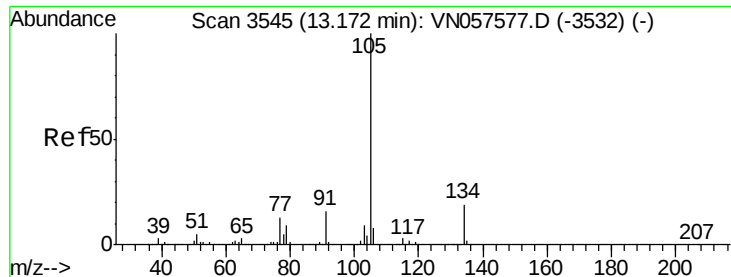
#80
1,2,4-Trimethylbenzene
Concen: 21.223 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN057588.D
Acq: 30 Aug 2019 14:43

Tgt Ion:105 Resp: 398404
Ion Ratio Lower Upper
105 100
120 45.4 0.0 87.2



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

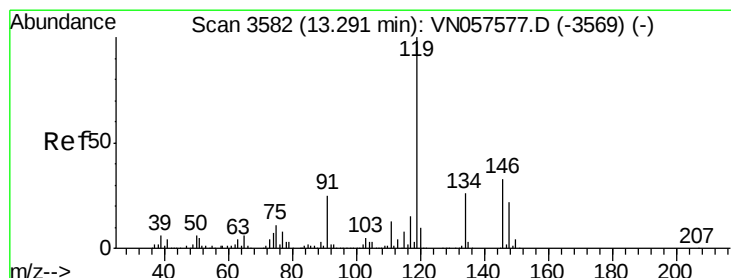
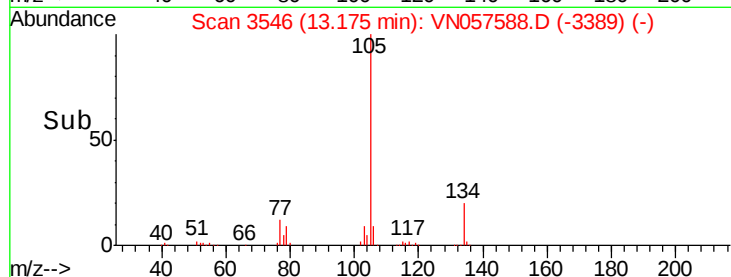
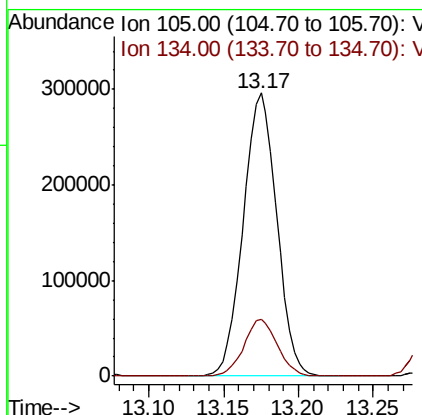
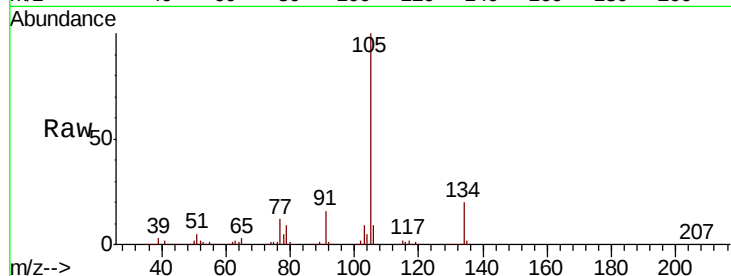




#81
 sec-Butylbenzene
 Concen: 20.879 ug/l
 RT: 13.17 min Scan# 3546
 Delta R.T. 0.00 min
 Lab File: VN057588.D
 Acq: 30 Aug 2019 14:43

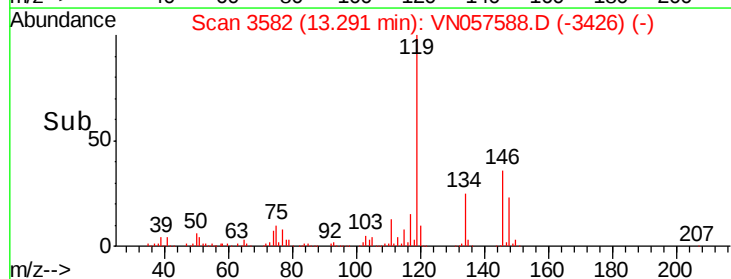
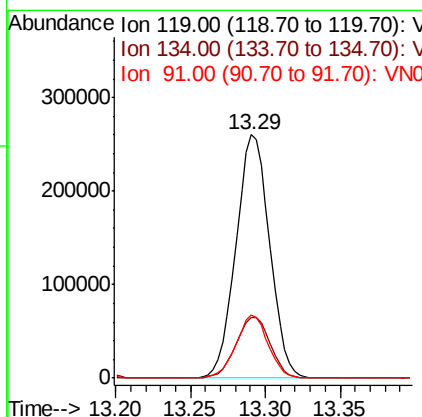
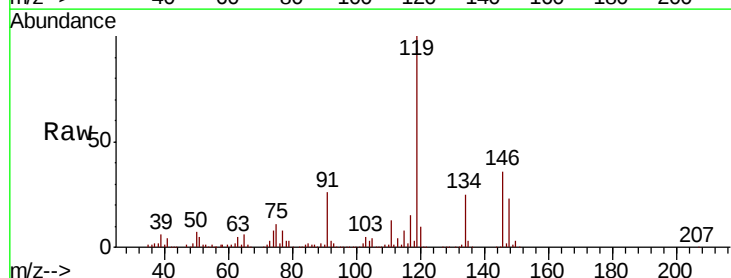
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

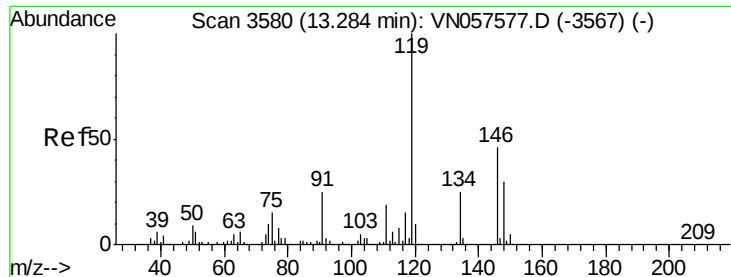
Tgt Ion:105 Resp: 461950
 Ion Ratio Lower Upper
 105 100
 134 20.0 0.0 39.2



#82
 p-Isopropyltoluene
 Concen: 20.825 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN057588.D
 Acq: 30 Aug 2019 14:43

Tgt Ion:119 Resp: 408590
 Ion Ratio Lower Upper
 119 100
 134 25.5 0.0 51.6
 91 24.9 0.0 50.8

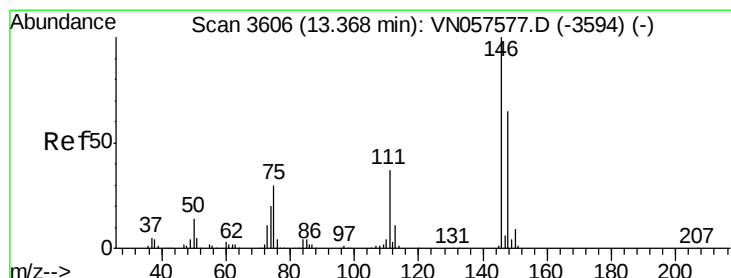
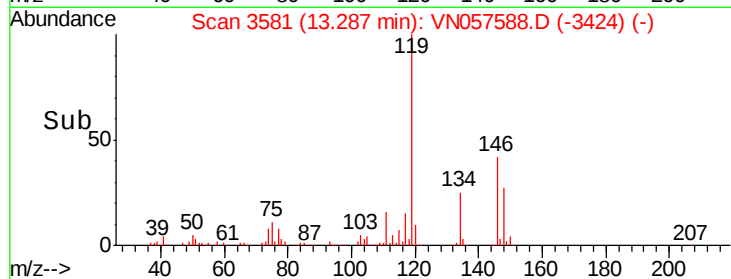
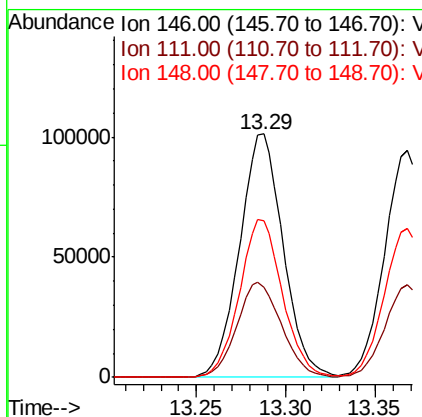
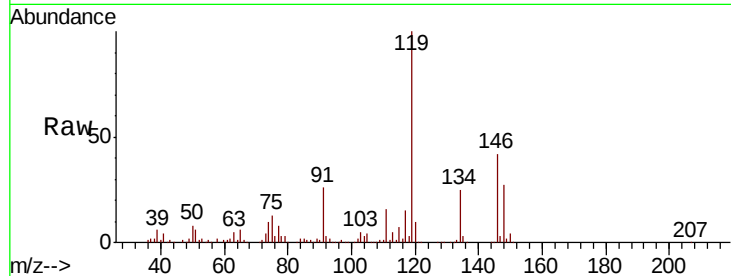




#83
 1,3-Dichlorobenzene
 Concen: 17.815 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN057588.D
 Acq: 30 Aug 2019 14:43

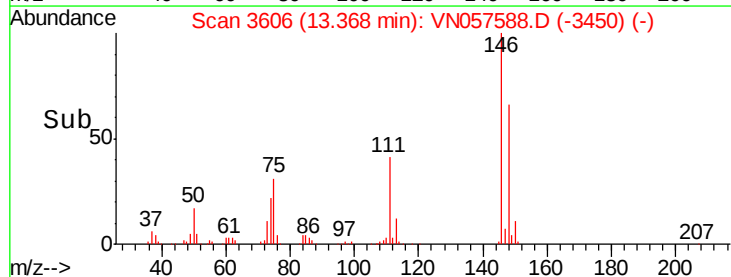
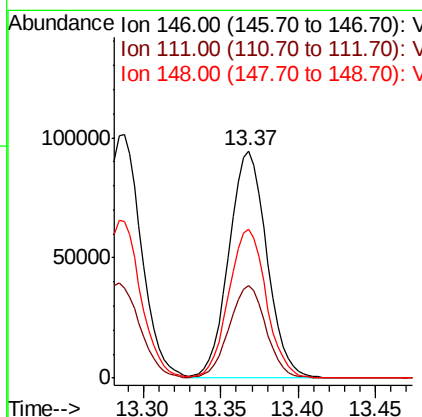
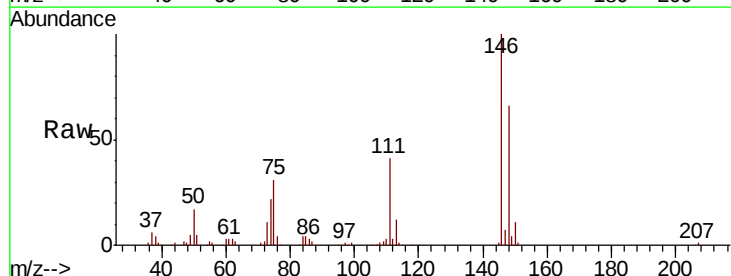
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

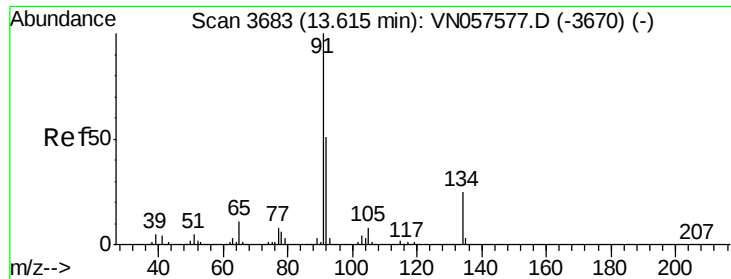
Tgt Ion:146 Resp: 173349
 Ion Ratio Lower Upper
 146 100
 111 39.8 20.0 60.0
 148 63.9 32.3 96.9



#84
 1,4-Dichlorobenzene
 Concen: 17.295 ug/l
 RT: 13.37 min Scan# 3606
 Delta R.T. 0.00 min
 Lab File: VN057588.D
 Acq: 30 Aug 2019 14:43

Tgt Ion:146 Resp: 161406
 Ion Ratio Lower Upper
 146 100
 111 39.5 19.3 57.9
 148 64.9 32.2 96.6

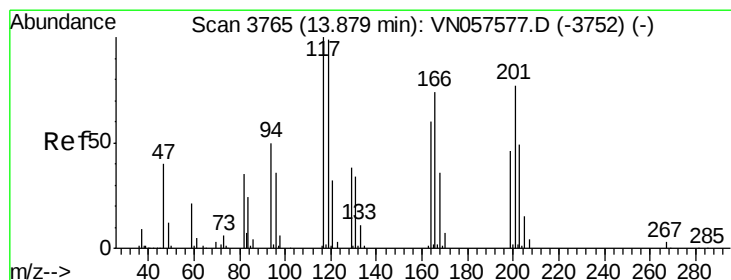
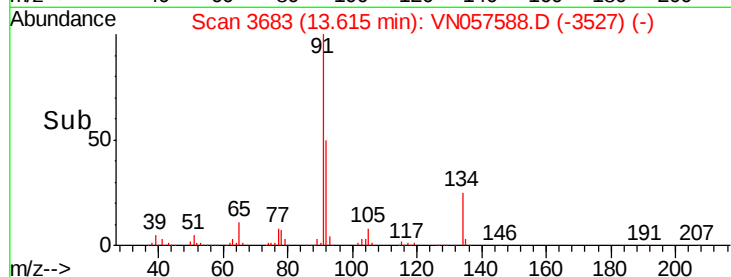
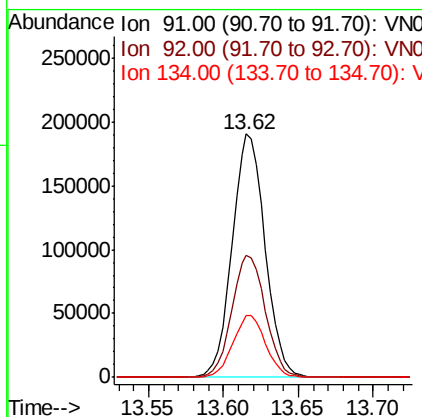
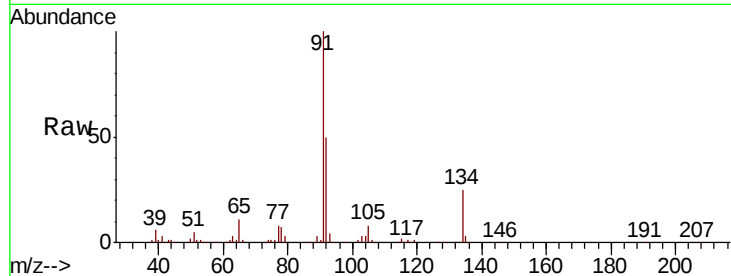




#85
n-Butylbenzene
Concen: 19.032 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN057588.D
Acq: 30 Aug 2019 14:43

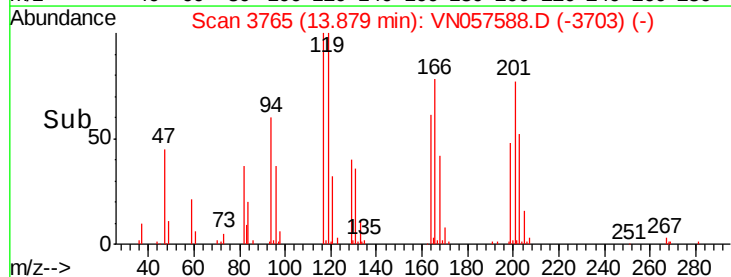
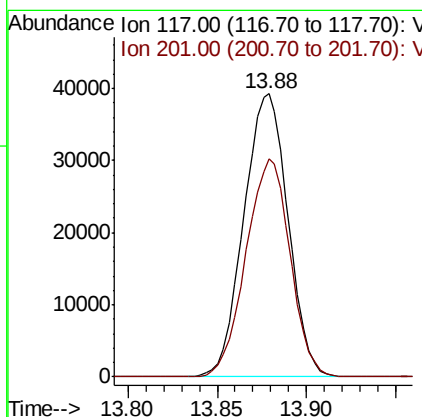
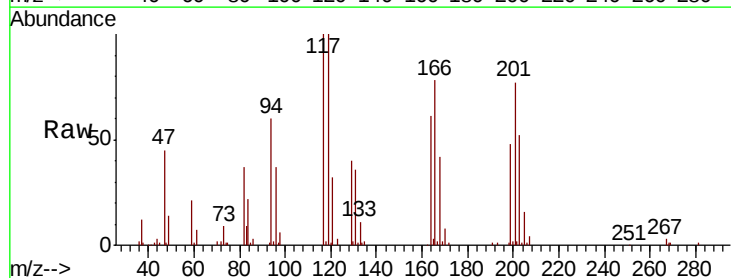
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

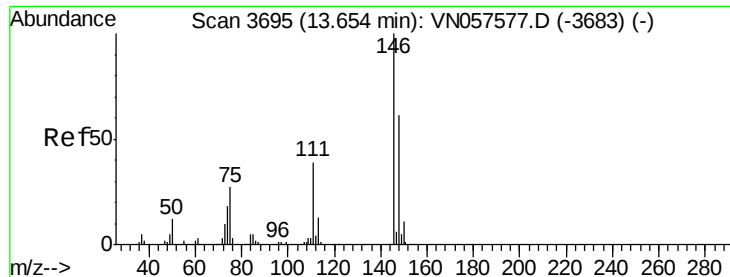
Tgt Ion: 91 Resp: 290819
Ion Ratio Lower Upper
91 100
92 51.3 0.0 103.0
134 25.3 0.0 51.0



#86
Hexachloroethane
Concen: 18.121 ug/l
RT: 13.88 min Scan# 3765
Delta R.T. 0.00 min
Lab File: VN057588.D
Acq: 30 Aug 2019 14:43

Tgt Ion: 117 Resp: 67989
Ion Ratio Lower Upper
117 100
201 76.9 38.0 113.9

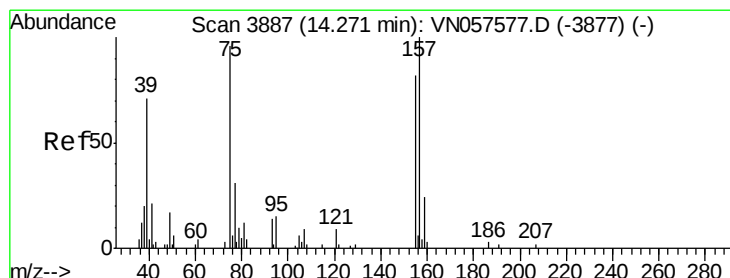
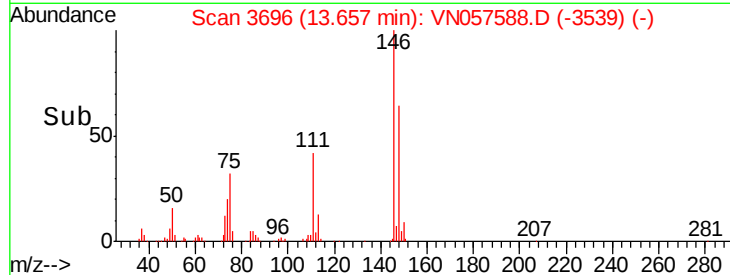
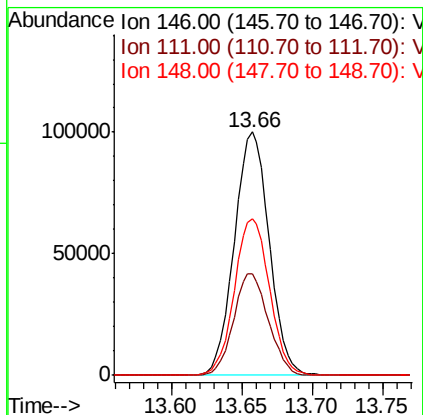
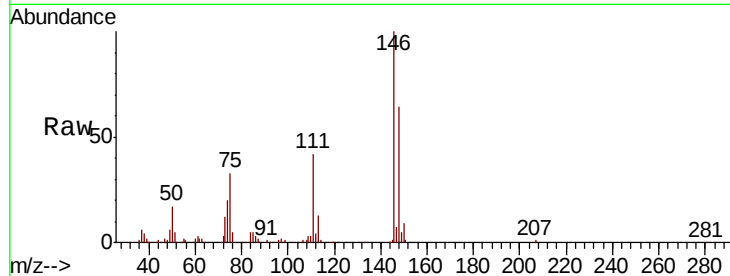




#87
 1,2-Dichlorobenzene
 Concen: 18.566 ug/l
 RT: 13.66 min Scan# 3696
 Delta R.T. 0.00 min
 Lab File: VN057588.D
 Acq: 30 Aug 2019 14:43

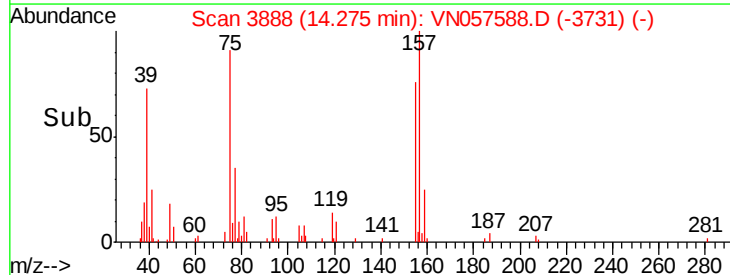
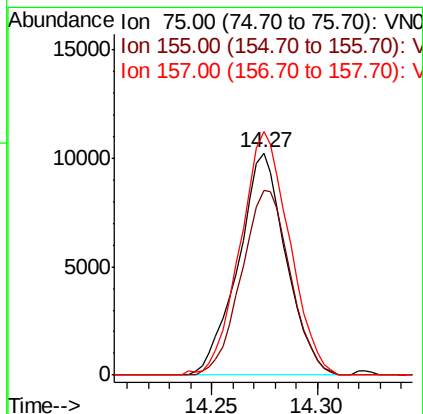
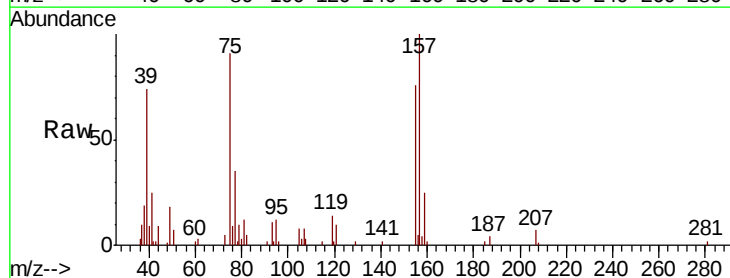
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

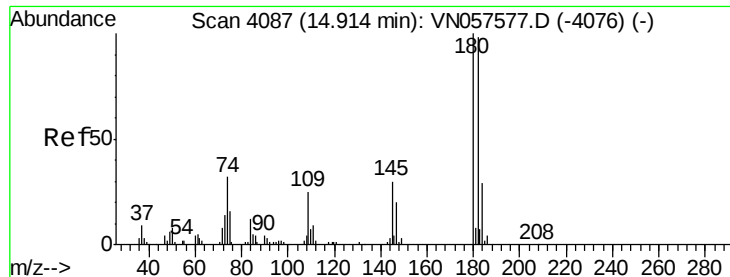
Tgt Ion: 146 Resp: 173635
 Ion Ratio Lower Upper
 146 100
 111 41.5 19.9 59.6
 148 64.9 31.2 93.6



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 17.197 ug/l
 RT: 14.27 min Scan# 3888
 Delta R.T. 0.00 min
 Lab File: VN057588.D
 Acq: 30 Aug 2019 14:43

Tgt Ion: 75 Resp: 16165
 Ion Ratio Lower Upper
 75 100
 155 84.8 66.5 99.7
 157 112.1 88.4 132.6

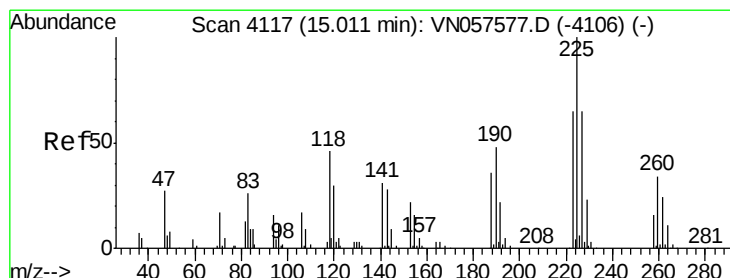
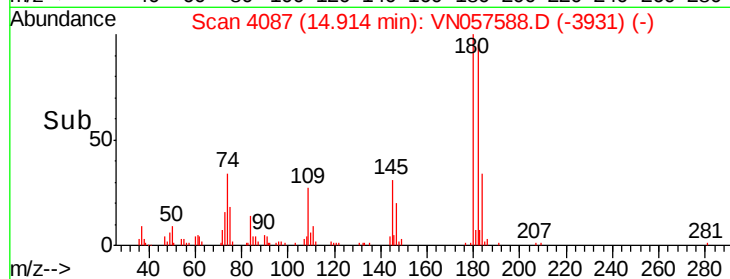
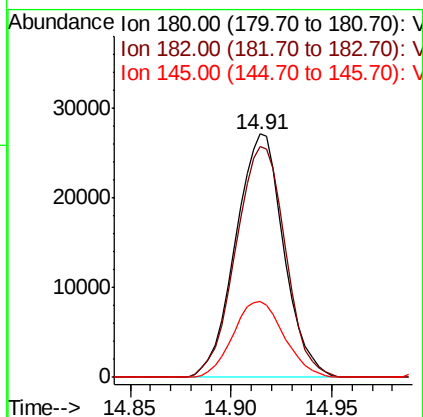
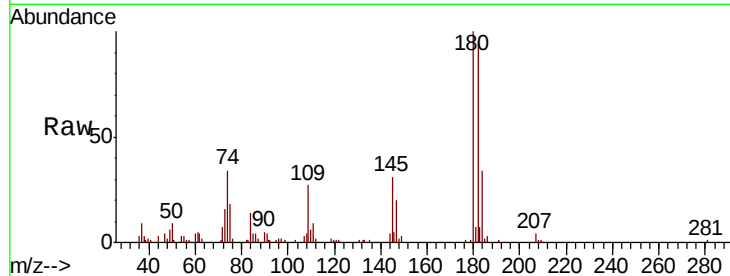




#89
 1,2,4-Trichlorobenzene
 Concen: 13.186 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN057588.D
 Acq: 30 Aug 2019 14:43

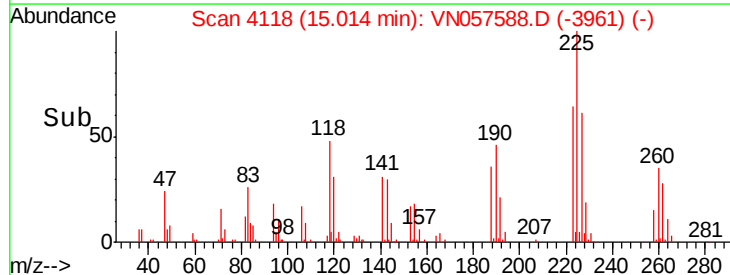
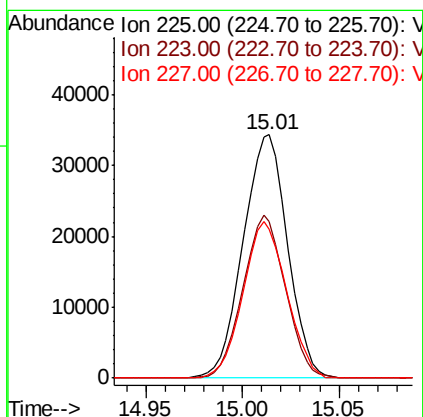
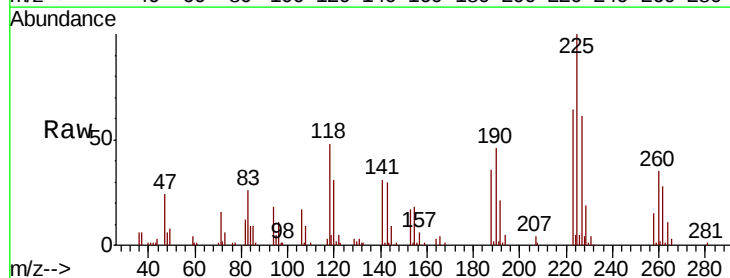
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

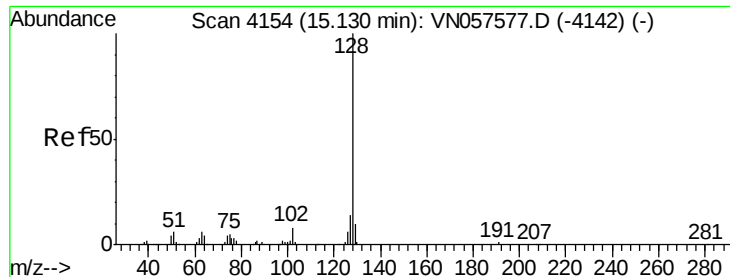
Tgt Ion:180 Resp: 45442
 Ion Ratio Lower Upper
 180 100
 182 97.4 76.6 115.0
 145 32.9 24.4 36.6



#90
 Hexachlorobutadiene
 Concen: 18.491 ug/l
 RT: 15.01 min Scan# 4118
 Delta R.T. 0.00 min
 Lab File: VN057588.D
 Acq: 30 Aug 2019 14:43

Tgt Ion:225 Resp: 54810
 Ion Ratio Lower Upper
 225 100
 223 64.1 0.0 130.6
 227 63.0 0.0 131.0

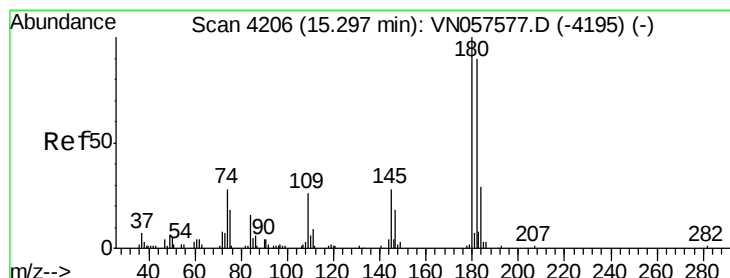
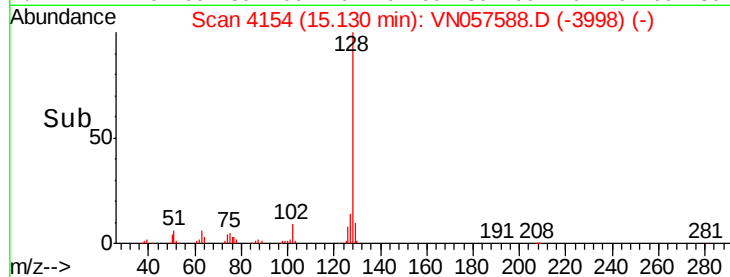
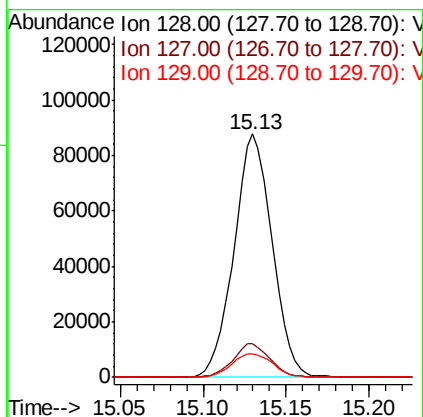
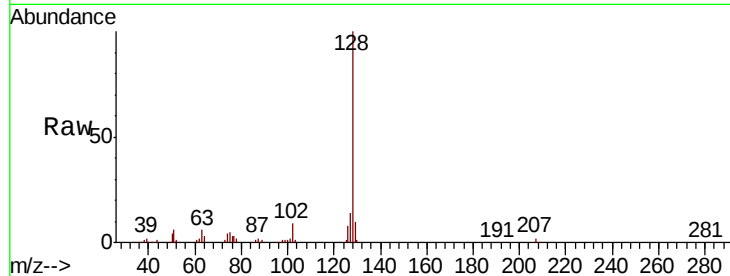




#91
Naphthalene
Concen: 14.653 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN057588.D
Acq: 30 Aug 2019 14:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion:128 Resp: 140547
Ion Ratio Lower Upper
128 100
127 13.5 10.6 16.0
129 10.5 8.1 12.1



#92
1,2,3-Trichlorobenzene
Concen: 14.324 ug/l
RT: 15.30 min Scan# 4206
Delta R.T. 0.00 min
Lab File: VN057588.D
Acq: 30 Aug 2019 14:43

Tgt Ion:180 Resp: 48901
Ion Ratio Lower Upper
180 100
182 90.2 0.0 181.0
145 32.1 0.0 62.2

