

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN091419\
 Data File : VN058003.D
 Acq On : 13 Sep 2019 9:12
 Operator : JC/SP
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Quant Time: Sep 14 01:14:18 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N090919W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon Sep 09 12:14:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.18	128	76981	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.57	114	447542	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	400476	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.01	65	206162	30.28	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	100.93%
60) 4-Bromofluorobenzene	12.40	95	203550	29.70	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	99.00%
63) Toluene-d8	10.09	98	577113	30.02	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.07%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.83	85	96160	20.675	ug/l 97
3) Chloromethane	2.04	50	102292	17.638	ug/l 98
4) Vinyl Chloride	2.17	62	102155	17.216	ug/l 99
5) Bromomethane	2.55	94	61323	16.560	ug/l 95
6) Chloroethane	2.69	64	65576	17.783	ug/l 98
7) Trichlorofluoromethane	3.00	101	126005	18.381	ug/l 98
8) Diethyl Ether	3.39	74	54614	19.748	ug/l 100
9) 1,1,2-Trichlorotrifluoroet	3.74	101	86978	20.319	ug/l 99
10) 1,1-Dichloroethene	3.72	96	78704	19.335	ug/l 97
11) Methyl Iodide	3.93	142	89064	16.354	ug/l 99
12) Methyl Acetate	4.30	43	107524	19.249	ug/l 97
13) Acrolein	3.60	56	449	1.481	ug/l # 1
14) Acrylonitrile	4.96	53	214548	94.214	ug/l # 90
15) Acetone	3.79	58	70690	109.342	ug/l 97
16) Carbon Disulfide	4.03	76	162716	17.167	ug/l 100
17) Allyl chloride	4.30	41	131502	17.630	ug/l 95
18) Methylene Chloride	4.53	84	99542	19.406	ug/l 98
19) trans-1,2-Dichloroethene	5.01	96	90707	19.994	ug/l 97
20) Diisopropyl ether	5.92	45	342601	19.647	ug/l 99
21) 1,1-Dichloroethane	5.82	63	192932	20.066	ug/l 99
22) cis-1,2-Dichloroethene	6.81	96	112358	20.213	ug/l 99
24) Methyl tert-Butyl Ether	5.01	73	298915	19.159	ug/l # 100
25) Chloroform	7.35	83	196768	20.101	ug/l 97
26) Cyclohexane	7.64	56	157831	19.537	ug/l # 98
29) 1,1-Dichloropropene	7.78	75	141006	20.028	ug/l 99
30) 2-Butanone	6.81	43	336576	106.025	ug/l 100
31) 2,2-Dichloropropane	6.80	77	144062	19.381	ug/l 100
32) 1,1,1-Trichloroethane	7.55	97	154974	19.578	ug/l 98
33) Carbon Tetrachloride	7.76	117	123573	19.136	ug/l 98
34) Benzene	8.03	78	418934	20.082	ug/l 97
35) Methacrylonitrile	7.19	41	185401	62.967	ug/l # 55
36) 1,2-Dichloroethane	8.11	62	166146	20.524	ug/l 100
37) Trichloroethene	8.82	130	101842	20.100	ug/l 99
38) Methylcyclohexane	9.07	83	158493	19.770	ug/l 100
39) 1,2-Dichloropropane	9.11	63	118595	20.243	ug/l 97
40) Dibromomethane	9.20	93	73648	20.669	ug/l 99
41) Bromodichloromethane	9.39	83	140631	19.576	ug/l 93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Vinyl Acetate	5.87	43	1326178	103.943	ug/l	100
43) Ethyl Acetate	6.91	43	121911	18.823	ug/l	98
44) Isopropyl Acetate	8.15	43	239259	21.187	ug/l #	93
45) 1,4-Dioxane	9.19	88	32776	369.364	ug/l	98
46) Methyl methacrylate	9.19	41	103985	18.851	ug/l	99
47) n-amyl Acetate	12.07	43	185694	17.901	ug/l	97
48) t-1,3-Dichloropropene	10.38	75	143173	18.721	ug/l	99
49) cis-1,3-Dichloropropene	9.83	75	164797	19.205	ug/l	97
50) 1,1,2-Trichloroethane	10.56	97	102557	19.843	ug/l	98
51) Ethyl methacrylate	10.43	69	145601	18.168	ug/l	96
52) 1,3-Dichloropropane	10.71	76	183671	20.320	ug/l	100
53) Dibromochloromethane	10.90	129	89633	17.560	ug/l	98
54) 1,2-Dibromoethane	11.00	107	97178	18.897	ug/l	99
55) 2-Chloroethyl vinyl ether	9.69	63	335260	88.039	ug/l	99
56) Bromoform	12.13	173	51803	16.382	ug/l	98
58) 4-Methyl-2-Pentanone	9.98	43	647571	104.270	ug/l	99
59) 2-Hexanone	10.75	43	486672	104.425	ug/l	100
61) Tetrachloroethene	10.63	164	83517	20.511	ug/l	98
62) Toluene	10.15	91	456313	20.578	ug/l	100
64) Chlorobenzene	11.43	112	274815	19.978	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.51	131	93250	19.524	ug/l	99
66) Ethyl Benzene	11.51	91	506509	20.929	ug/l	100
67) m/p-Xylenes	11.62	106	370717	40.134	ug/l	99
68) o-Xylene	11.95	106	176459	19.500	ug/l	99
69) Styrene	11.97	104	303277	19.656	ug/l	99
70) Isopropylbenzene	12.25	105	495674	20.719	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.51	83	148544	19.867	ug/l	98
72) 1,2,3-Trichloropropane	12.56	75	174683	26.323	ug/l	75
73) Bromobenzene	12.53	156	111989	19.553	ug/l	98
74) n-propylbenzene	12.59	91	584239	21.375	ug/l	100
75) 2-Chlorotoluene	12.68	91	343768	20.192	ug/l	99
76) 1,3,5-Trimethylbenzene	12.74	105	421803	20.705	ug/l	98
77) t-1,4-Dichloro-2-butene	12.30	75	29949	15.212	ug/l	94
78) 4-Chlorotoluene	12.78	91	351604	20.247	ug/l	99
79) tert-butylbenzene	13.00	119	352086	19.811	ug/l	97
80) 1,2,4-Trimethylbenzene	13.04	105	419016	20.643	ug/l	99
81) sec-Butylbenzene	13.18	105	482736	20.472	ug/l	100
82) p-Isopropyltoluene	13.29	119	430051	20.365	ug/l	99
83) 1,3-Dichlorobenzene	13.29	146	210713	19.792	ug/l	99
84) 1,4-Dichlorobenzene	13.37	146	206765	19.727	ug/l	99
85) n-Butylbenzene	13.62	91	392396	19.938	ug/l	99
86) Hexachloroethane	13.88	117	57442	17.077	ug/l	100
87) 1,2-Dichlorobenzene	13.66	146	205748	19.909	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.28	75	22126	16.807	ug/l	96
89) 1,2,4-Trichlorobenzene	14.92	180	120904	19.152	ug/l	98
90) Hexachlorobutadiene	15.01	225	55778	19.239	ug/l	100
91) Naphthalene	15.13	128	315598	18.169	ug/l	98
92) 1,2,3-Trichlorobenzene	15.30	180	116543	19.358	ug/l	99

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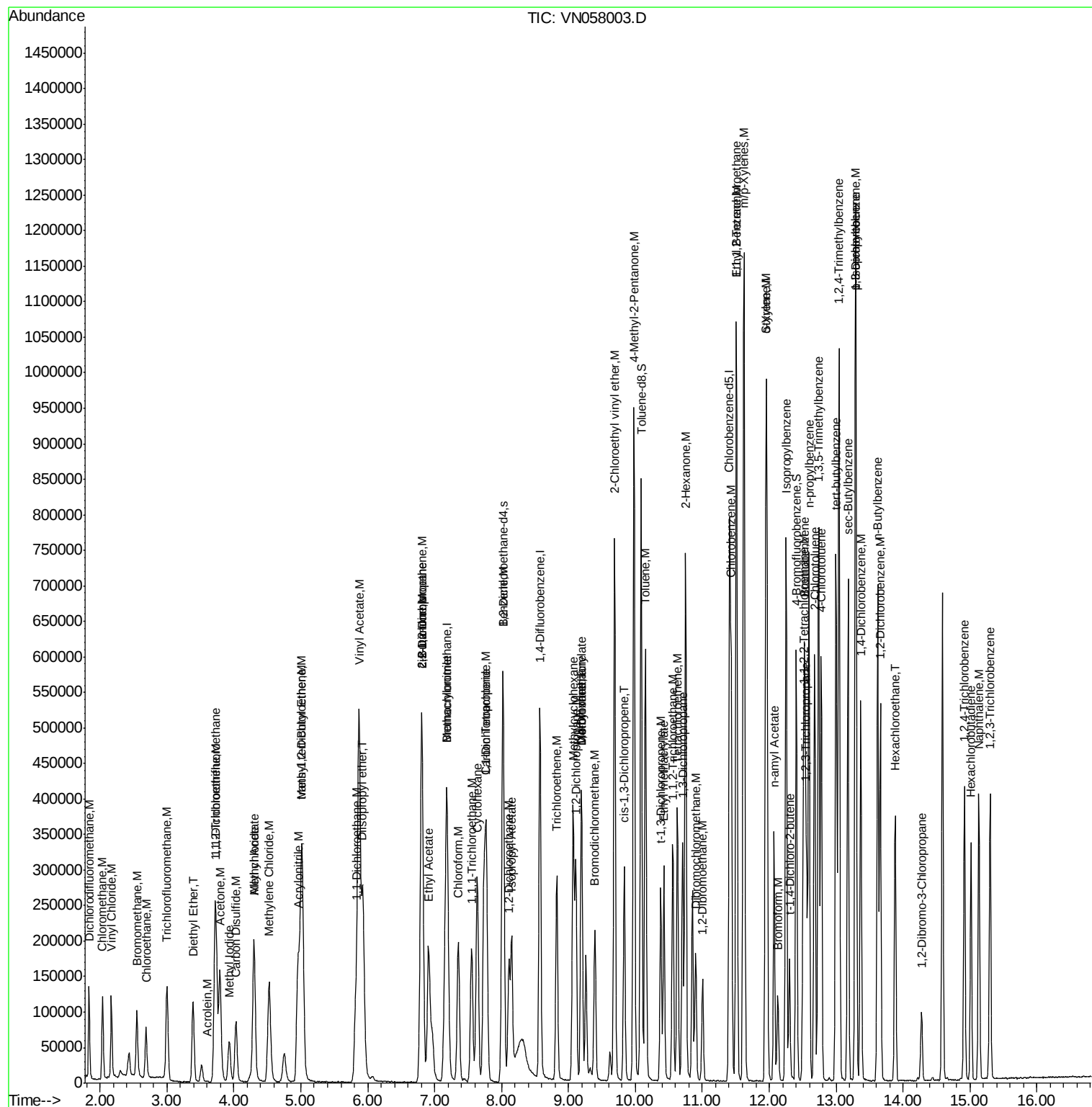
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

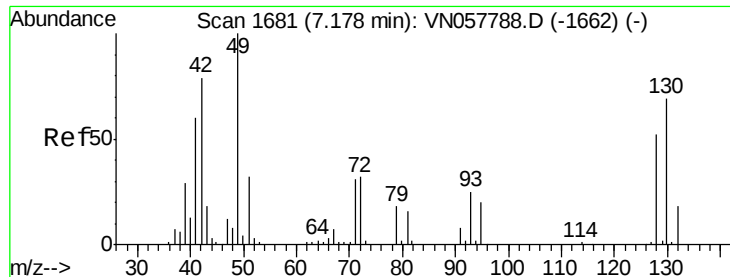
(#) = qualifier out of range (m) = manual integration (+) = signals summed						

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#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.18 min Scan# 1680

Delta R.T. -0.00 min

Lab File: VN058003.D

Acq: 13 Sep 2019 9:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

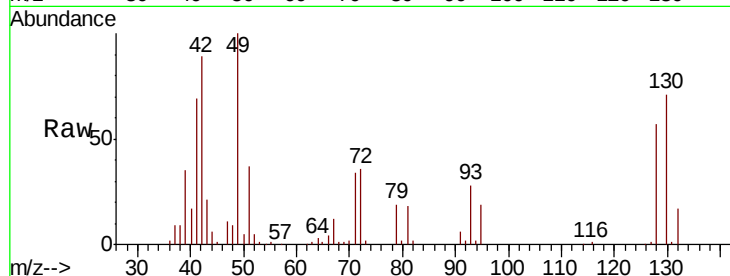
Tgt Ion:128 Resp: 76981

Ion Ratio Lower Upper

128 100

49 183.0 0.0 486.5

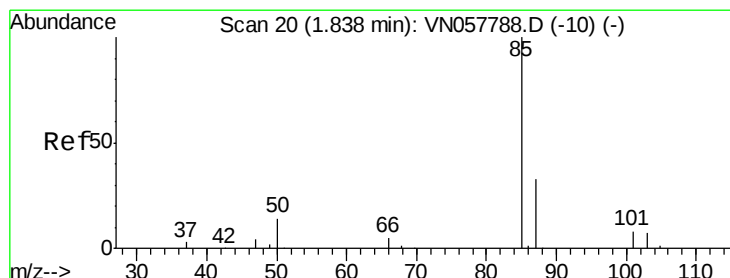
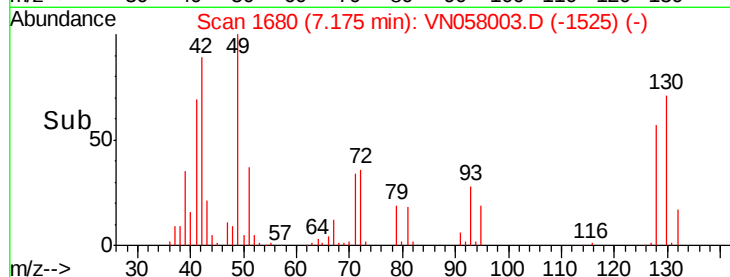
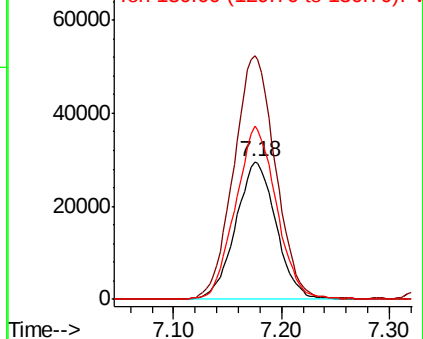
130 127.5 0.0 324.5



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: 20.675 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN058003.D

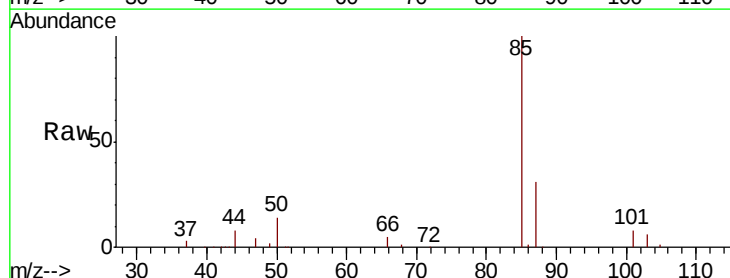
Acq: 13 Sep 2019 9:12

Tgt Ion: 85 Resp: 96160

Ion Ratio Lower Upper

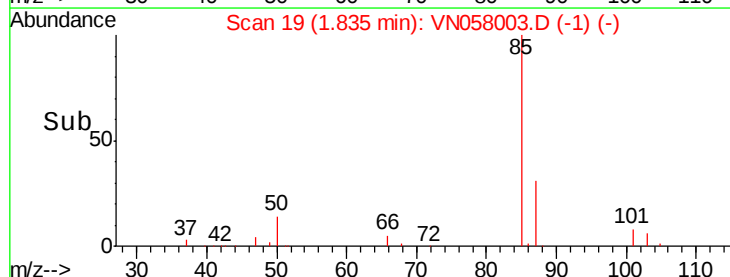
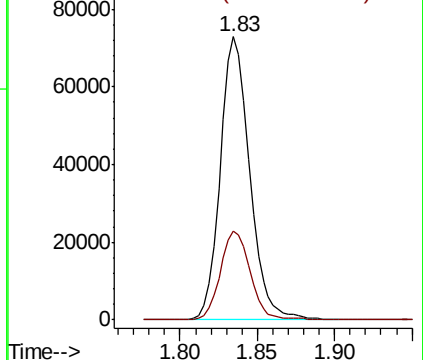
85 100

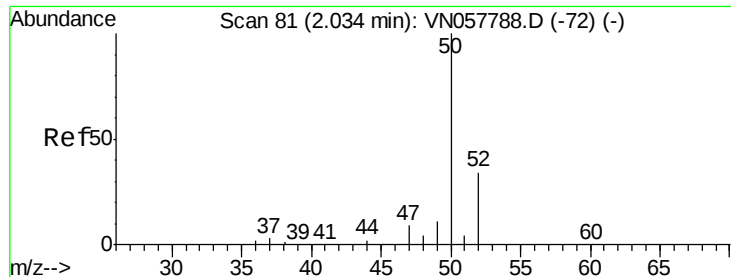
87 31.2 16.4 49.4



Abundance Ion 85.00 (84.70 to 85.70): VN0

Ion 87.00 (86.70 to 87.70): VN0





#3

Chloromethane

Concen: 17.638 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN058003.D

Acq: 13 Sep 2019 9:12

Instrument :

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ClientSampleId :

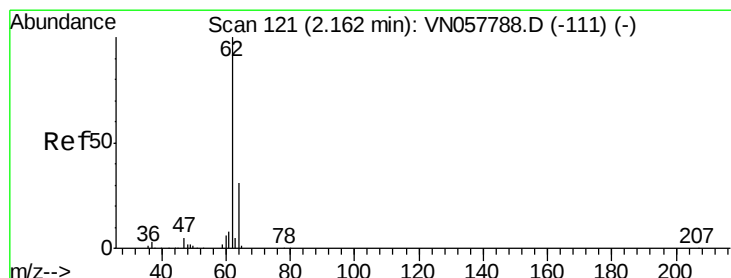
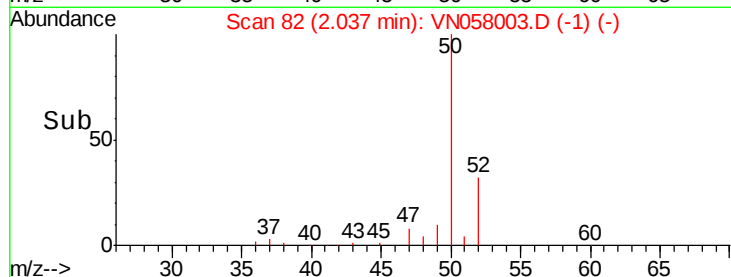
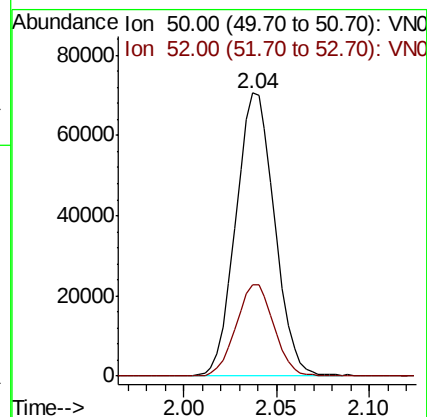
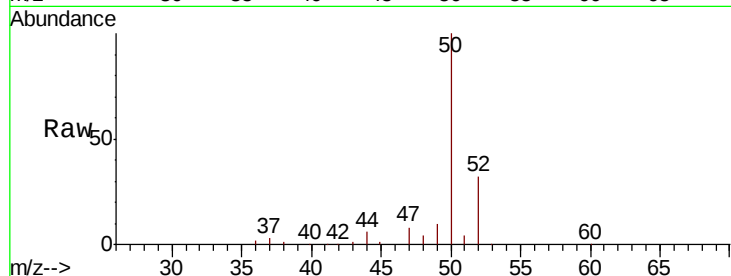
VSTDCCC020

Tgt Ion: 50 Resp: 102292

Ion Ratio Lower Upper

50 100

52 32.2 26.9 40.3



#4

Vinyl Chloride

Concen: 17.216 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.01 min

Lab File: VN058003.D

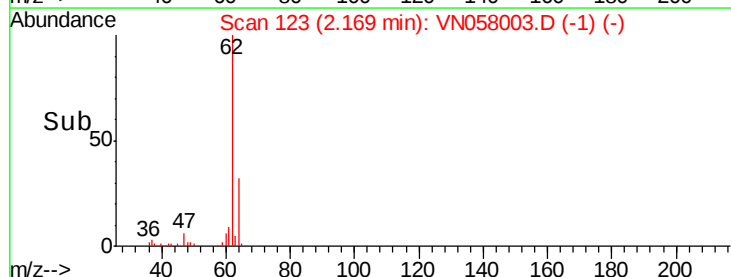
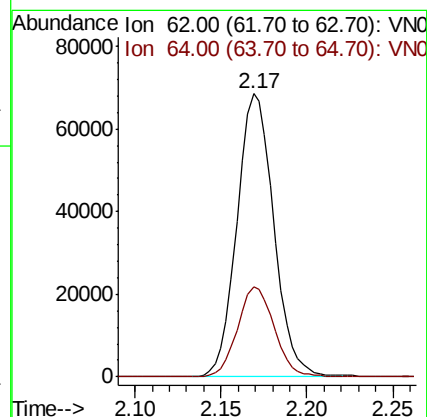
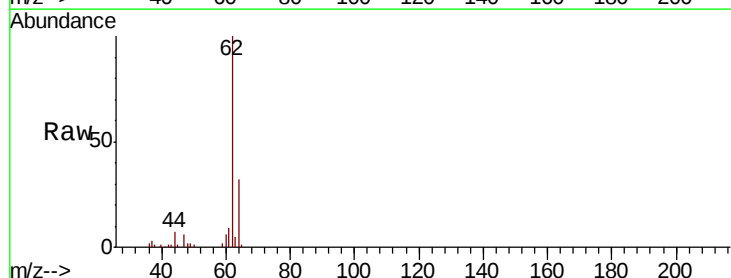
Acq: 13 Sep 2019 9:12

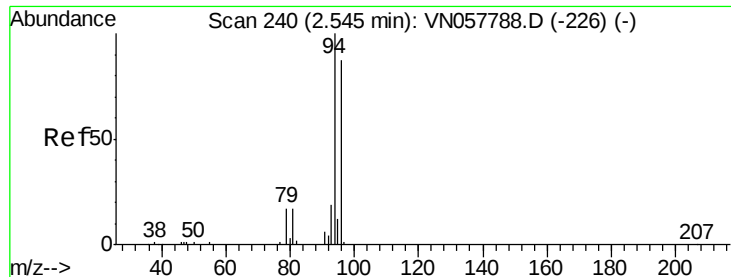
Tgt Ion: 62 Resp: 102155

Ion Ratio Lower Upper

62 100

64 31.8 25.0 37.6





#5

Bromomethane

Concen: 16.560 ug/l

RT: 2.55 min Scan# 242

Delta R.T. 0.01 min

Lab File: VN058003.D

Acq: 13 Sep 2019 9:12

Instrument :

MSVOA_N

ClientSampleId :

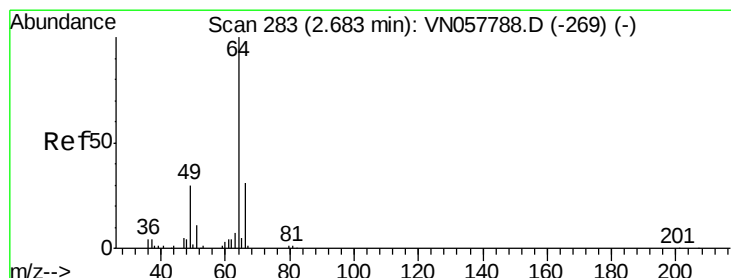
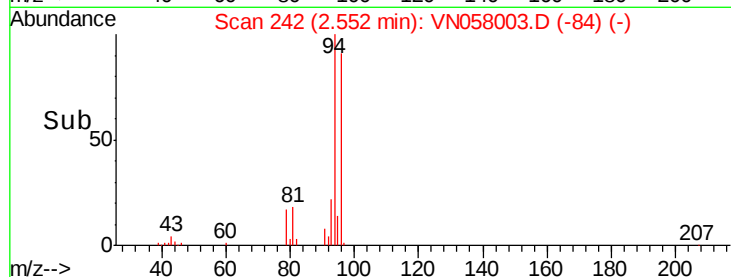
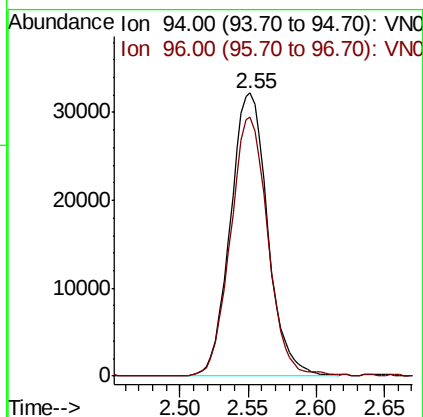
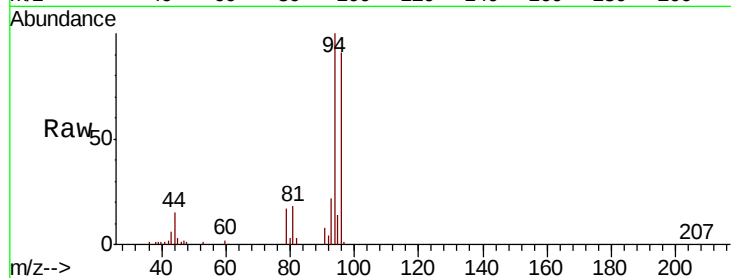
VSTDCCC020

Tgt Ion: 94 Resp: 61323

Ion Ratio Lower Upper

94 100

96 91.5 69.2 103.8



#6

Chloroethane

Concen: 17.783 ug/l

RT: 2.69 min Scan# 284

Delta R.T. 0.00 min

Lab File: VN058003.D

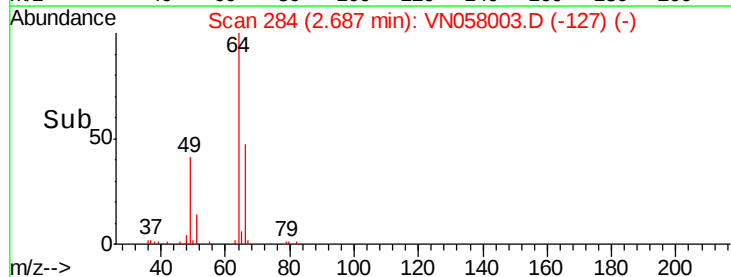
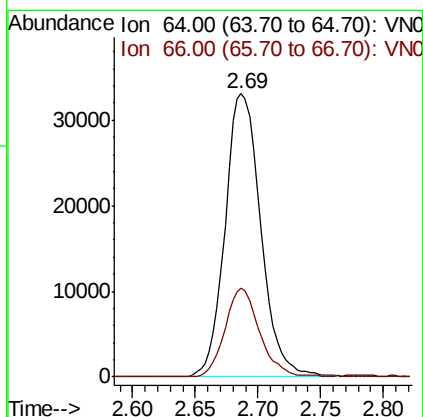
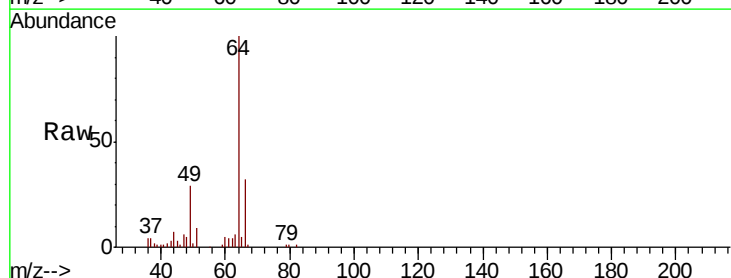
Acq: 13 Sep 2019 9:12

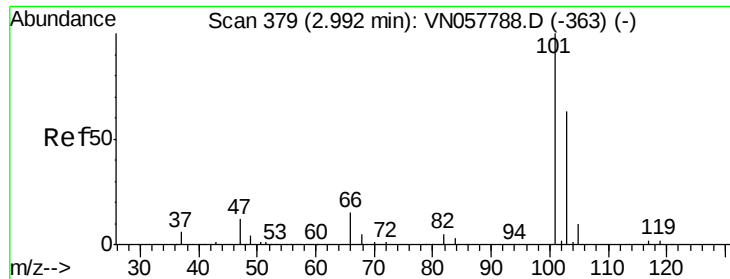
Tgt Ion: 64 Resp: 65576

Ion Ratio Lower Upper

64 100

66 31.6 24.4 36.6



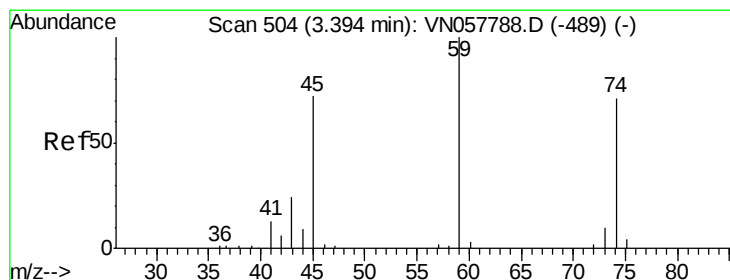
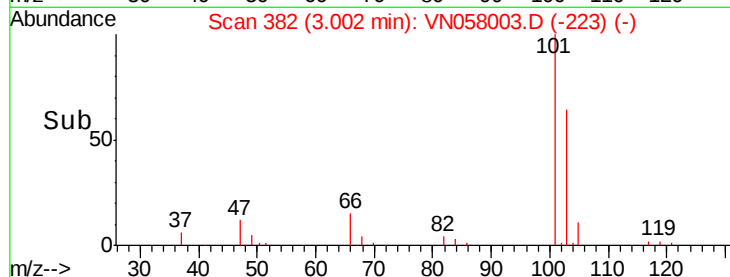
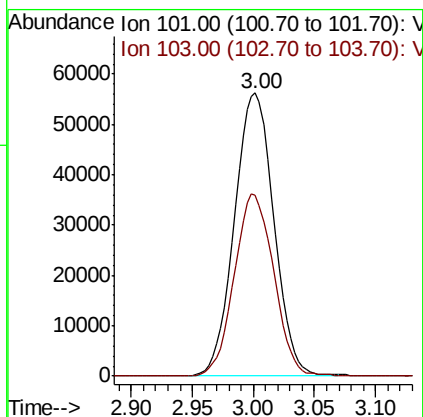
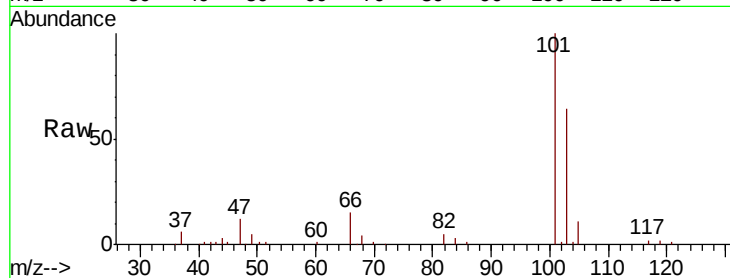


#7

Trichlorofluoromethane
 Concen: 18.381 ug/l
 RT: 3.00 min Scan# 382
 Delta R.T. 0.01 min
 Lab File: VN058003.D
 Acq: 13 Sep 2019 9:12

Instrument :
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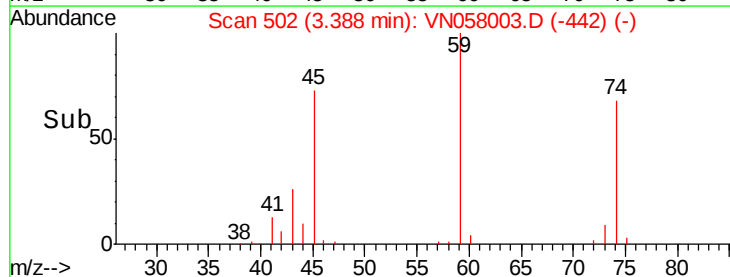
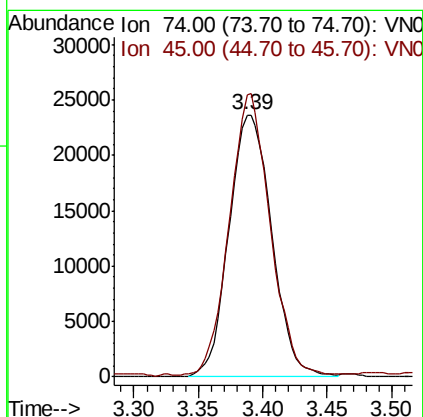
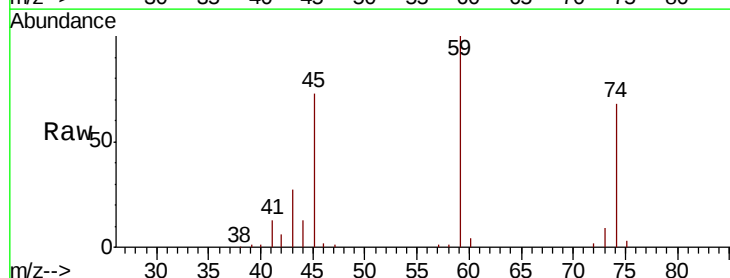
Tgt Ion:101 Resp: 126005
 Ion Ratio Lower Upper
 101 100
 103 63.9 50.2 75.2

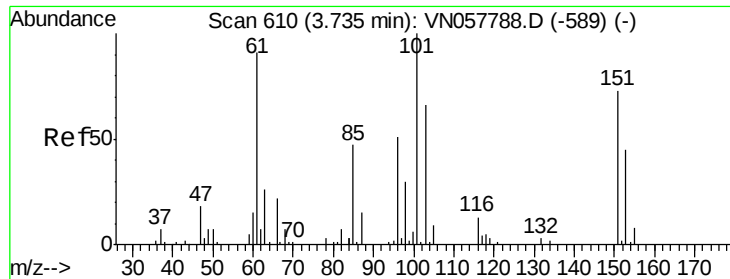


#8

Diethyl Ether
 Concen: 19.748 ug/l
 RT: 3.39 min Scan# 502
 Delta R.T. -0.01 min
 Lab File: VN058003.D
 Acq: 13 Sep 2019 9:12

Tgt Ion: 74 Resp: 54614
 Ion Ratio Lower Upper
 74 100
 45 101.7 20.3 182.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.319 ug/l

RT: 3.74 min Scan# 611

Delta R.T. 0.00 min

Lab File: VN058003.D

Acq: 13 Sep 2019 9:12

Instrument :

MSVOA_N

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VSTDCCC020

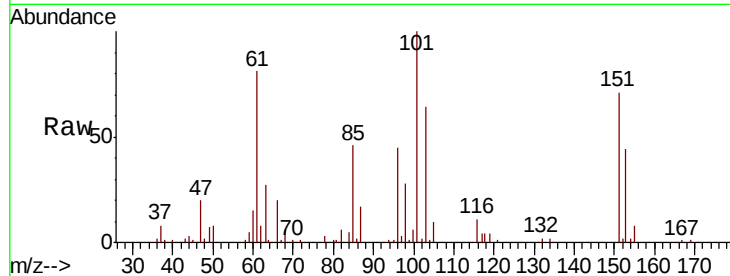
Tgt Ion: 101 Resp: 86978

Ion Ratio Lower Upper

101 100

85 47.2 0.0 94.0

151 72.9 0.0 144.4

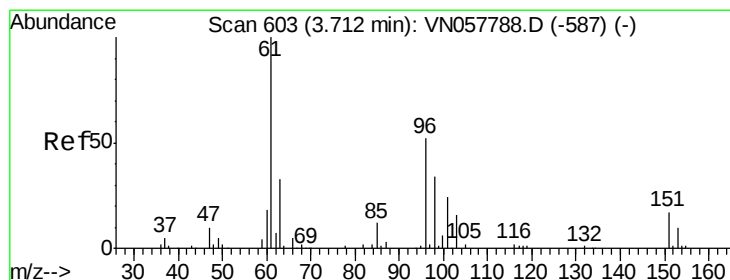
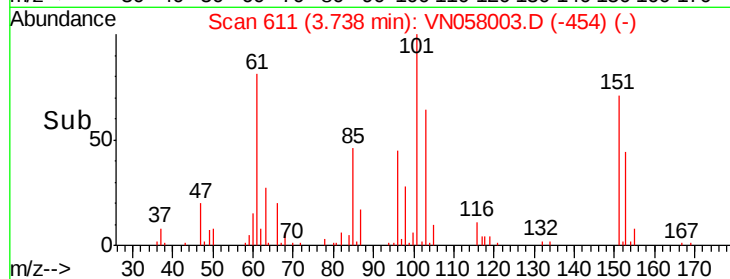
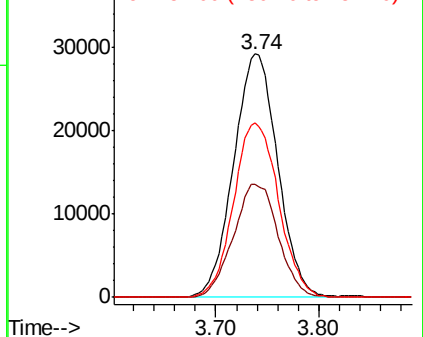


Abundance

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: 19.335 ug/l

RT: 3.72 min Scan# 604

Delta R.T. 0.00 min

Lab File: VN058003.D

Acq: 13 Sep 2019 9:12

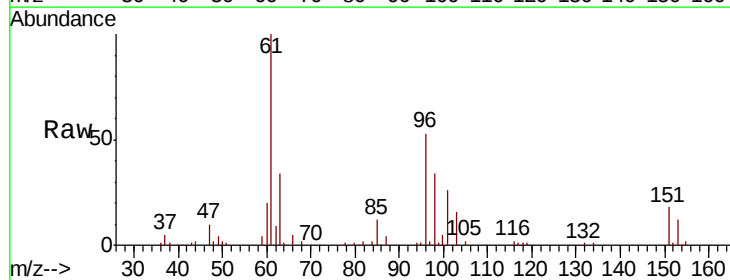
Tgt Ion: 96 Resp: 78704

Ion Ratio Lower Upper

96 100

61 186.6 153.4 230.0

98 64.6 51.5 77.3

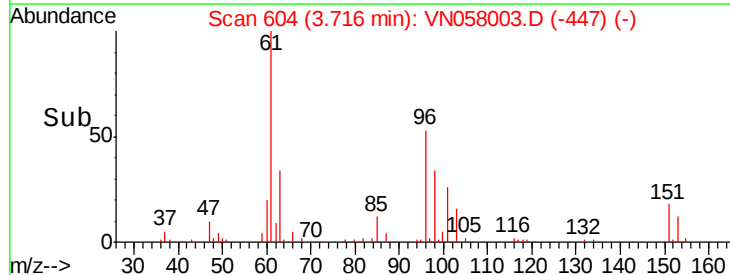
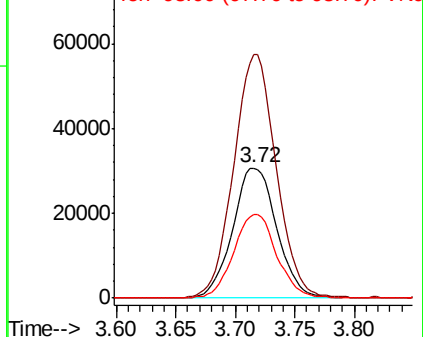


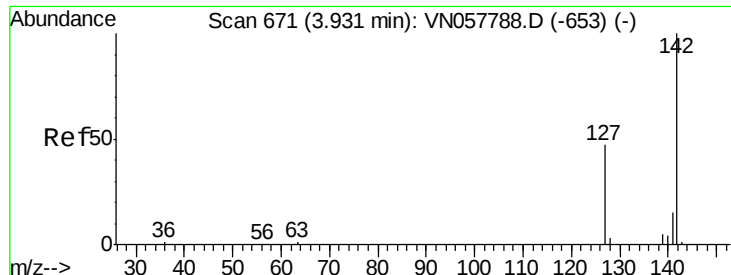
Abundance

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

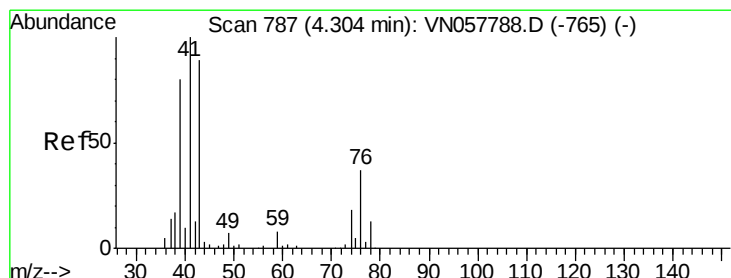
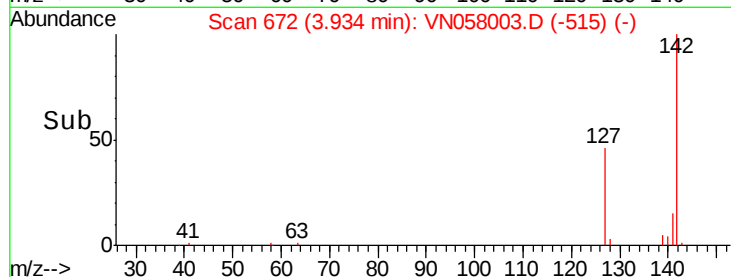
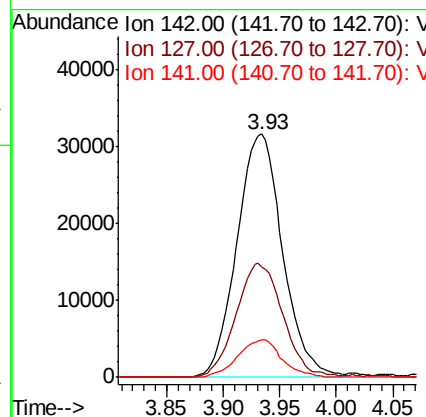
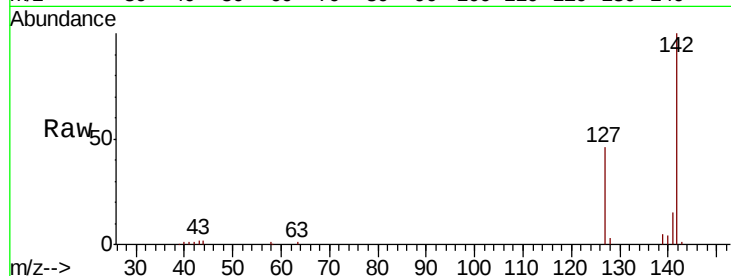




#11
Methyl Iodide
Concen: 16.354 ug/l
RT: 3.93 min Scan# 672
Delta R.T. 0.00 min
Lab File: VN058003.D
Acq: 13 Sep 2019 9:12

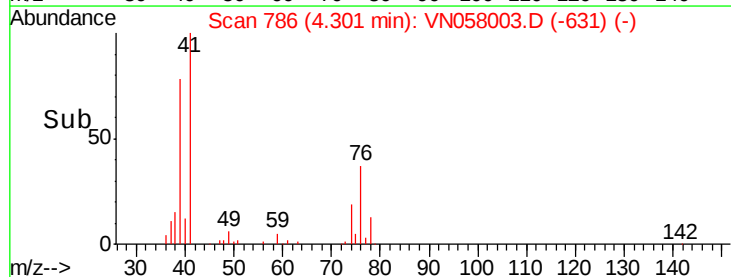
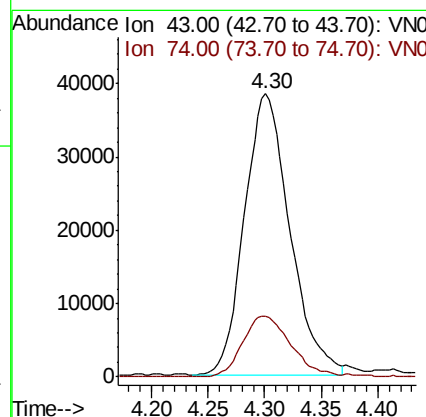
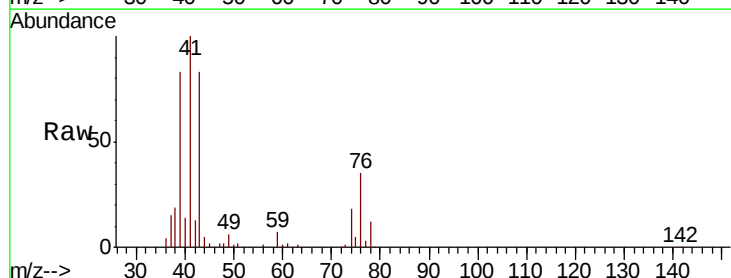
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

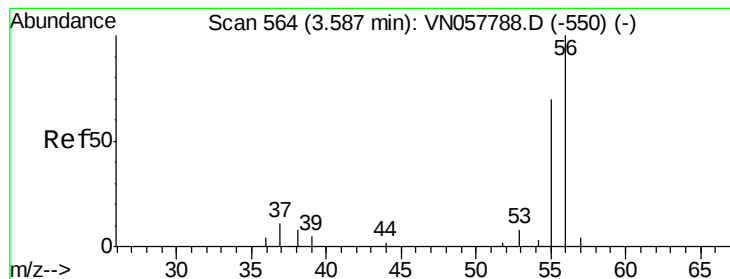
Tgt Ion:142 Resp: 89064
Ion Ratio Lower Upper
142 100
127 45.6 23.3 69.8
141 14.7 7.5 22.6



#12
Methyl Acetate
Concen: 19.249 ug/l
RT: 4.30 min Scan# 786
Delta R.T. -0.00 min
Lab File: VN058003.D
Acq: 13 Sep 2019 9:12

Tgt Ion: 43 Resp: 107524
Ion Ratio Lower Upper
43 100
74 21.5 16.2 24.4





#13

Acrolein

Concen: 1.481 ug/l

RT: 3.60 min Scan# 567

Delta R.T. 0.01 min

Lab File: VN058003.D

Acq: 13 Sep 2019 9:12

Instrument :

MSVOA_N

ClientSampleId :

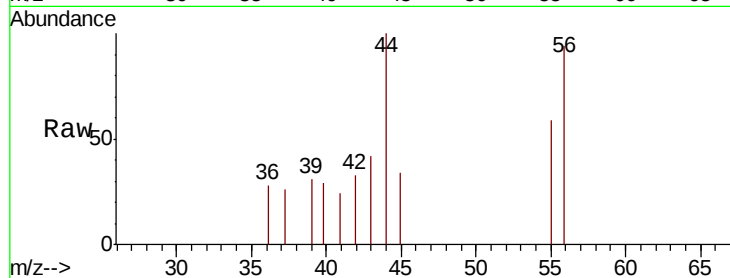
VSTDCCC020

Tgt Ion: 56 Resp: 449

Ion Ratio Lower Upper

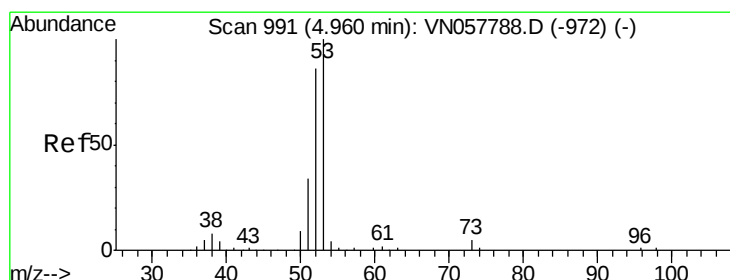
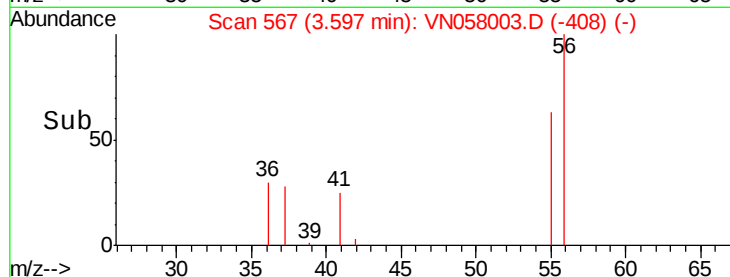
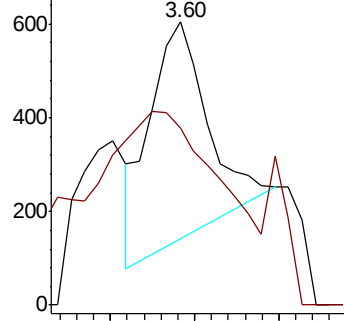
56 100

55 171.7 59.0 88.4#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Acrylonitrile

Concen: 94.214 ug/l

RT: 4.96 min Scan# 991

Delta R.T. 0.00 min

Lab File: VN058003.D

Acq: 13 Sep 2019 9:12

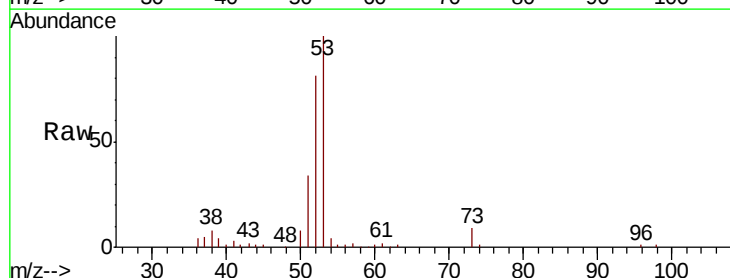
Tgt Ion: 53 Resp: 214548

Ion Ratio Lower Upper

53 100

52 83.9 41.0 123.0

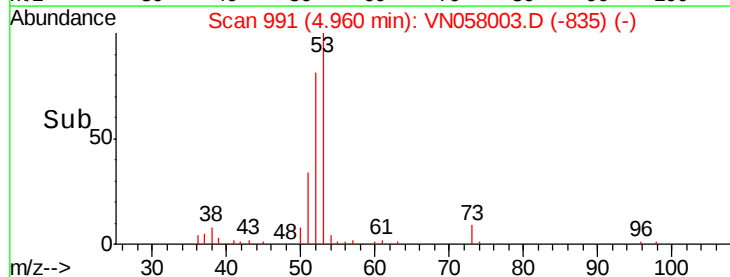
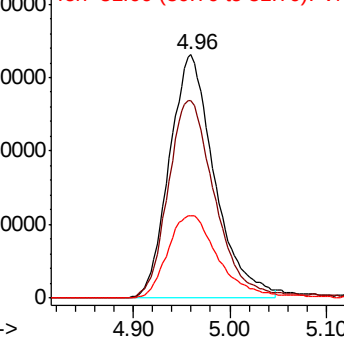
51 38.0 8.6 25.8#

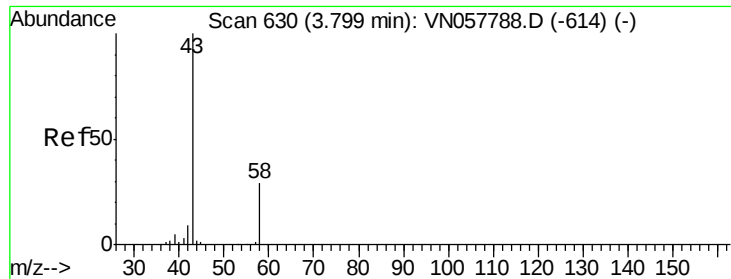


Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0





#15

Acetone

Concen: 109.342 ug/l

RT: 3.79 min Scan# 628

Delta R.T. -0.01 min

Lab File: VN058003.D

Acq: 13 Sep 2019 9:12

Instrument :

MSVOA_N

ClientSampleId :

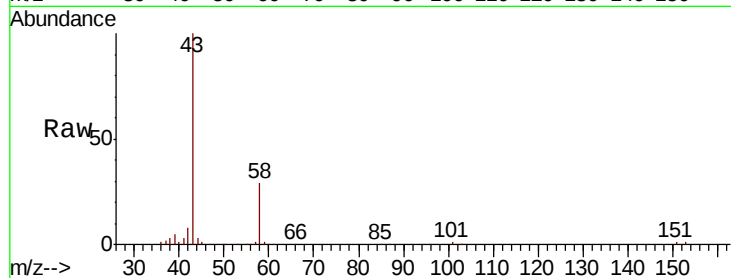
VSTDCCC020

Tgt Ion: 58 Resp: 70690

Ion Ratio Lower Upper

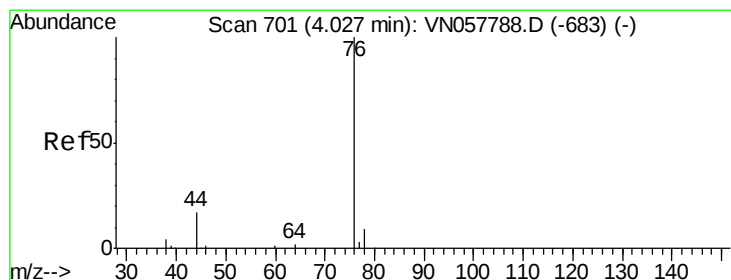
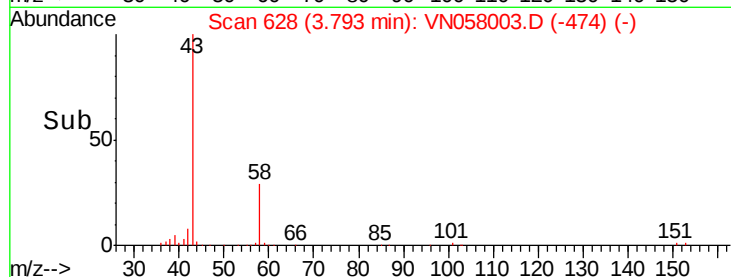
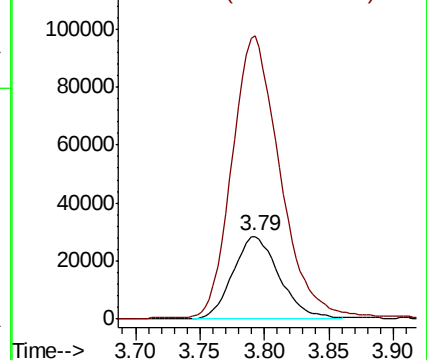
58 100

43 340.0 277.7 416.5



Abundance Ion 58.00 (57.70 to 58.70): VN0

Ion 43.00 (42.70 to 43.70): VN0



#16

Carbon Disulfide

Concen: 17.167 ug/l

RT: 4.03 min Scan# 702

Delta R.T. 0.00 min

Lab File: VN058003.D

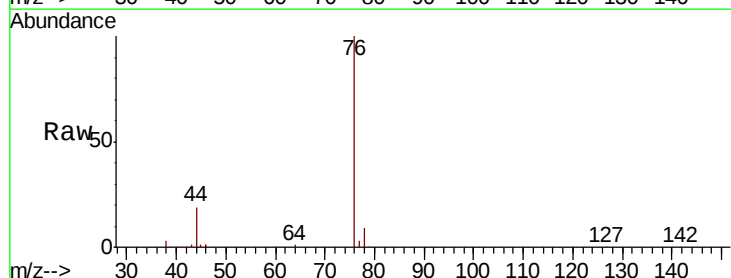
Acq: 13 Sep 2019 9:12

Tgt Ion: 76 Resp: 162716

Ion Ratio Lower Upper

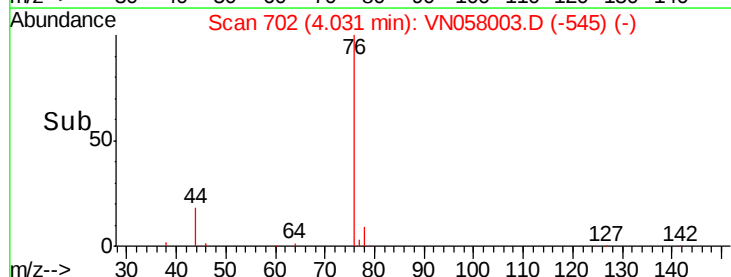
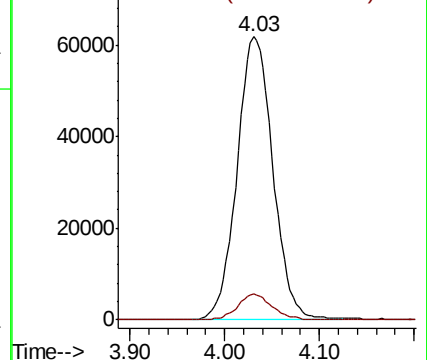
76 100

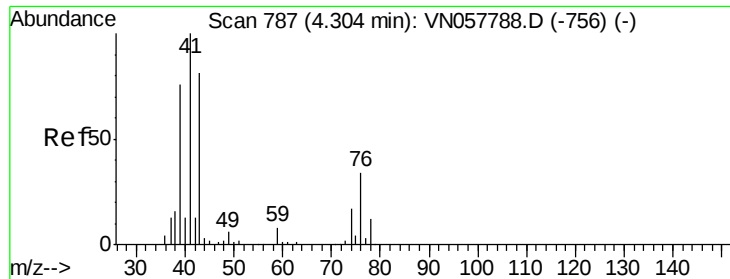
78 9.1 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0





#17

Allyl chloride

Concen: 17.630 ug/l

RT: 4.30 min Scan# 786

Delta R.T. -0.00 min

Lab File: VN058003.D

Acq: 13 Sep 2019 9:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

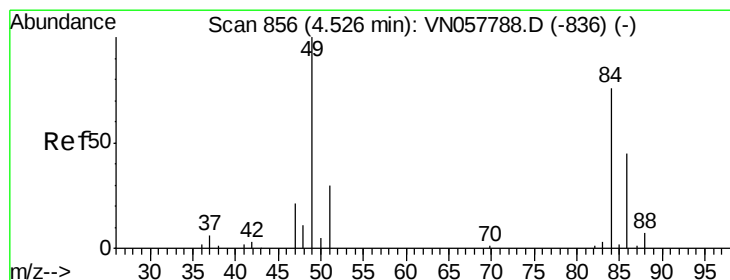
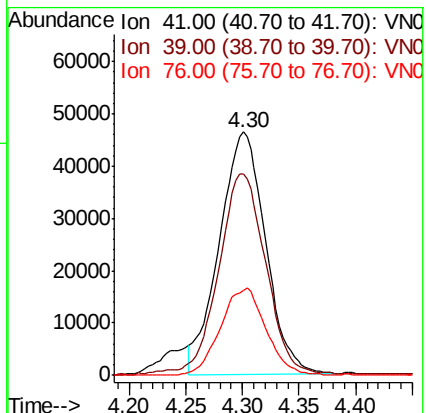
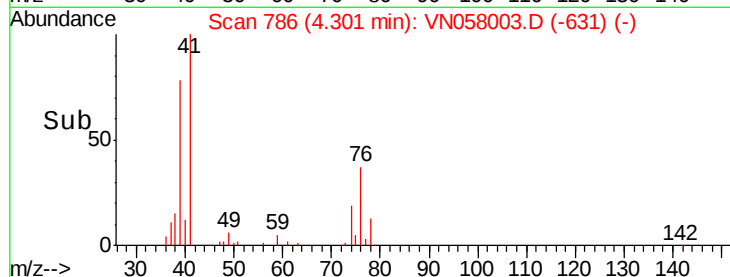
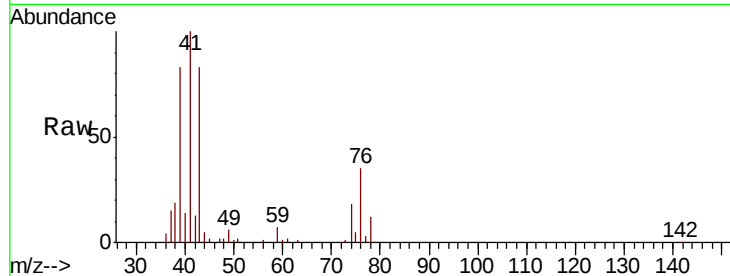
Tgt Ion: 41 Resp: 131502

Ion Ratio Lower Upper

41 100

39 82.4 38.5 115.3

76 35.3 17.2 51.6



#18

Methylene Chloride

Concen: 19.406 ug/l

RT: 4.53 min Scan# 856

Delta R.T. 0.00 min

Lab File: VN058003.D

Acq: 13 Sep 2019 9:12

Tgt Ion: 84 Resp: 99542

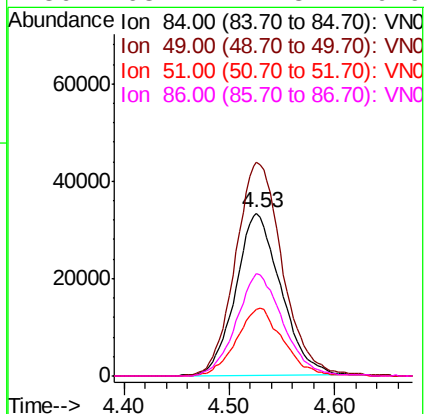
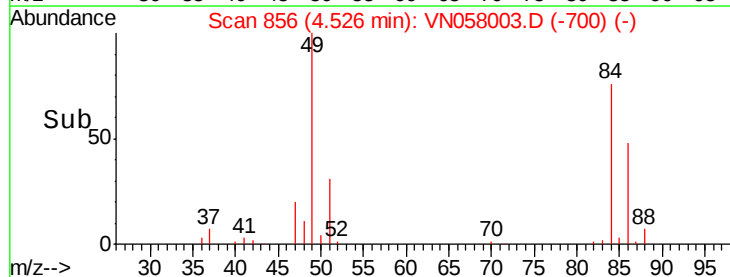
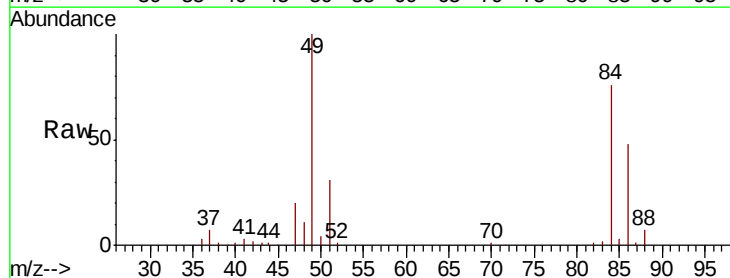
Ion Ratio Lower Upper

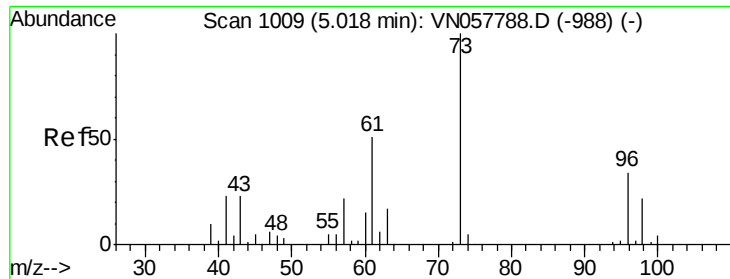
84 100

49 130.9 105.4 158.2

51 40.7 31.3 46.9

86 63.1 47.3 70.9

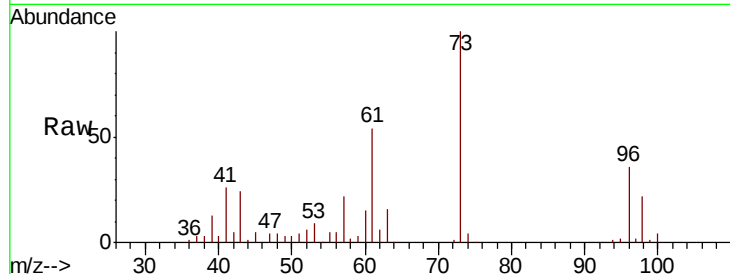




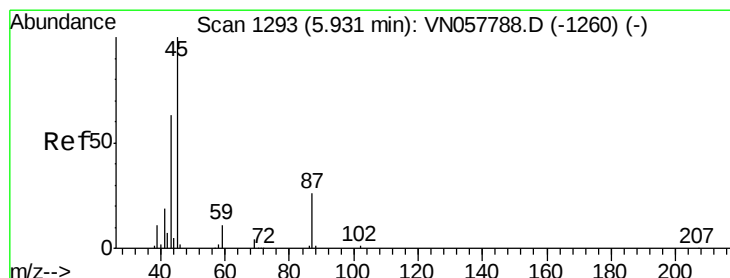
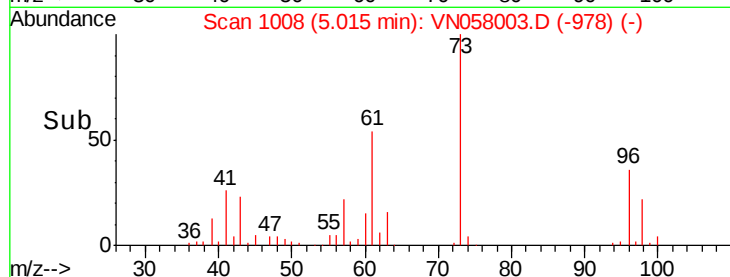
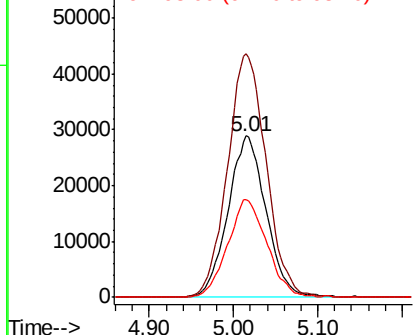
#19
trans-1,2-Dichloroethene
Concen: 19.994 ug/l
RT: 5.01 min Scan# 1008
Delta R.T. -0.00 min
Lab File: VN058003.D
Acq: 13 Sep 2019 9:12

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC020

Tgt Ion: 96 Resp: 90707
Ion Ratio Lower Upper
96 100
61 150.1 121.0 181.6
98 60.7 52.7 79.1

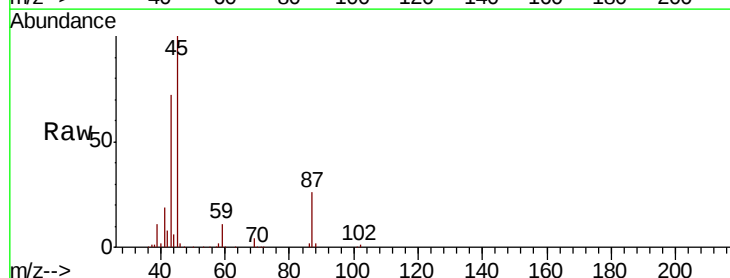


Abundance Ion 96.00 (95.70 to 96.70): VN0
Ion 61.00 (60.70 to 61.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

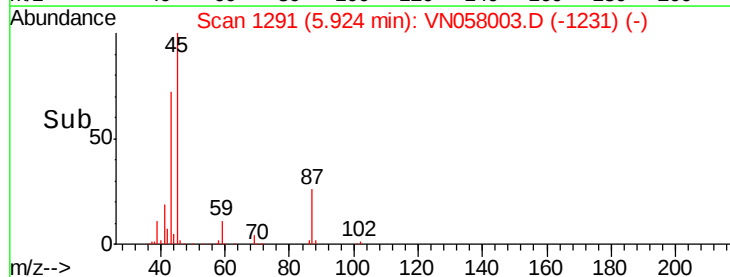
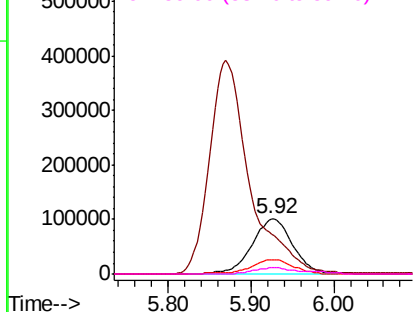


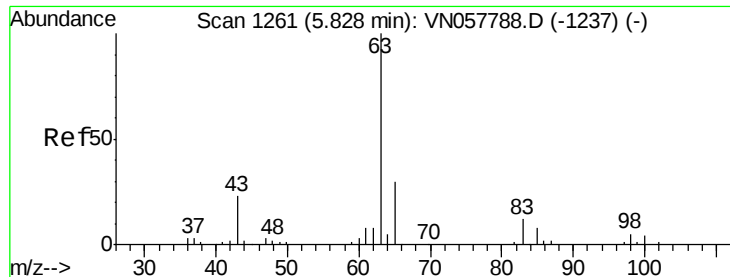
#20
Diisopropyl ether
Concen: 19.647 ug/l
RT: 5.92 min Scan# 1291
Delta R.T. -0.01 min
Lab File: VN058003.D
Acq: 13 Sep 2019 9:12

Tgt Ion: 45 Resp: 342601
Ion Ratio Lower Upper
45 100
43 68.7 55.2 82.8
87 25.4 21.3 31.9
59 10.8 9.1 13.7



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

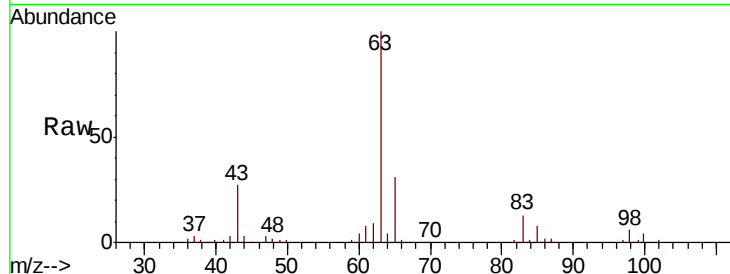




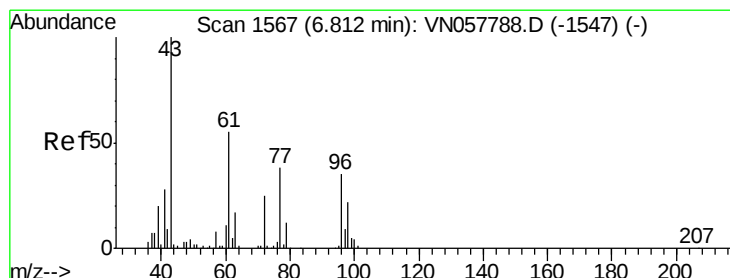
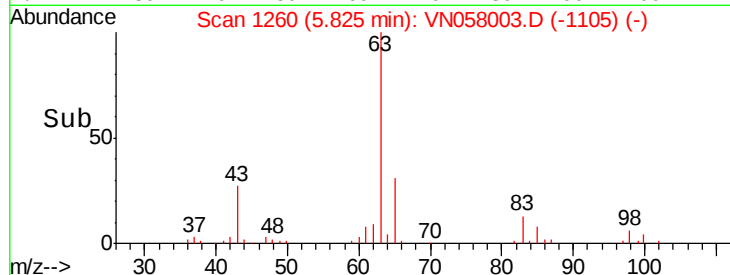
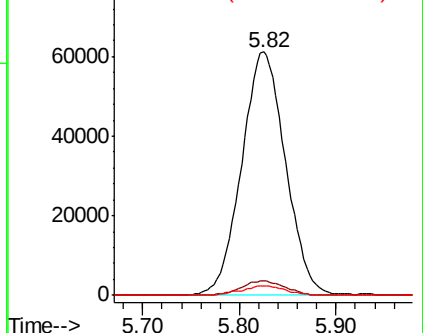
#21
 1,1-Dichloroethane
 Concen: 20.066 ug/l
 RT: 5.82 min Scan# 1260
 Delta R.T. -0.00 min
 Lab File: VN058003.D
 Acq: 13 Sep 2019 9:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tgt Ion: 63 Resp: 192932
 Ion Ratio Lower Upper
 63 100
 98 6.0 2.8 8.3
 100 4.1 1.8 5.5

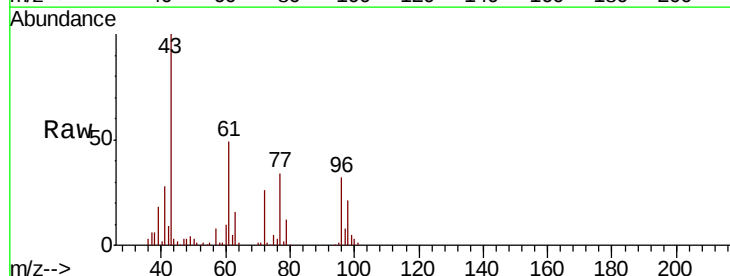


Abundance Ion 63.00 (62.70 to 63.70): VN0
 Ion 98.00 (97.70 to 98.70): VN0
 Ion 100.00 (99.70 to 100.70): VN0

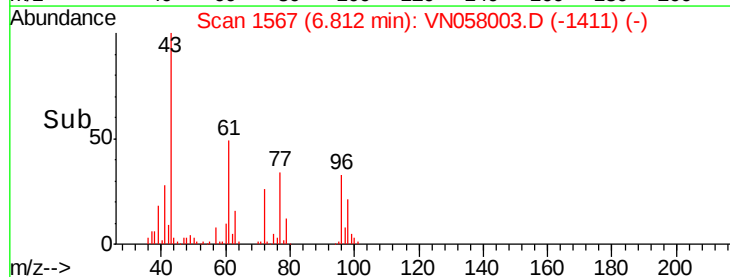
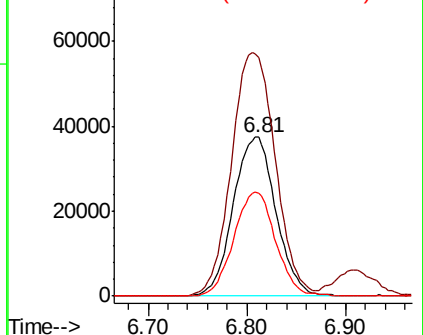


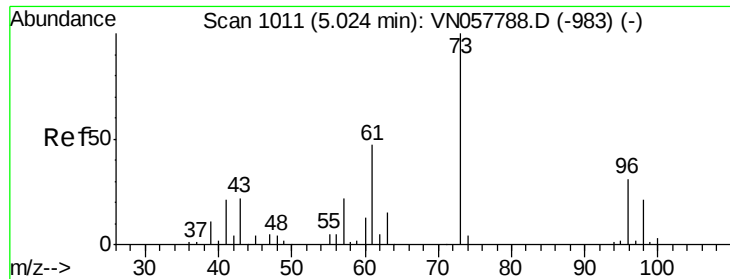
#22
 cis-1,2-Dichloroethene
 Concen: 20.213 ug/l
 RT: 6.81 min Scan# 1567
 Delta R.T. 0.00 min
 Lab File: VN058003.D
 Acq: 13 Sep 2019 9:12

Tgt Ion: 96 Resp: 112358
 Ion Ratio Lower Upper
 96 100
 61 157.1 127.4 191.0
 98 64.0 51.5 77.3



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

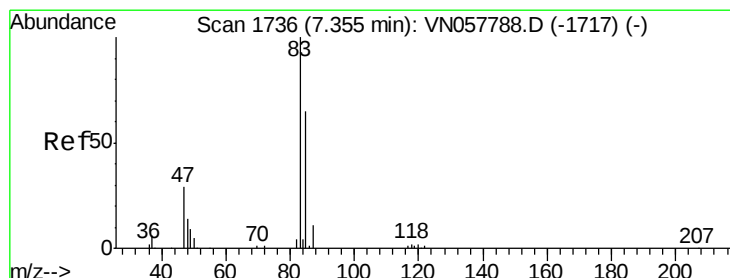
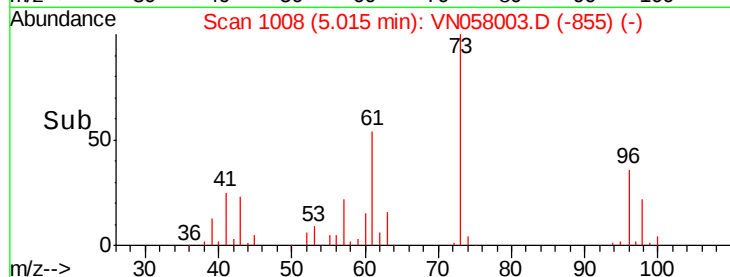
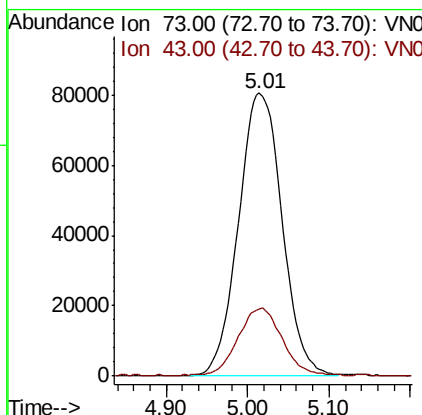
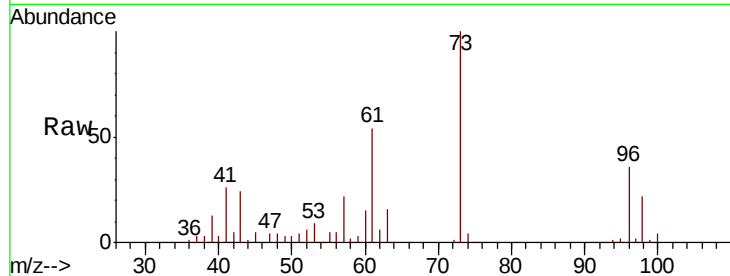




#24
Methyl tert-Butyl Ether
Concen: 19.159 ug/l
RT: 5.01 min Scan# 1008
Delta R.T. -0.01 min
Lab File: VN058003.D
Acq: 13 Sep 2019 9:12

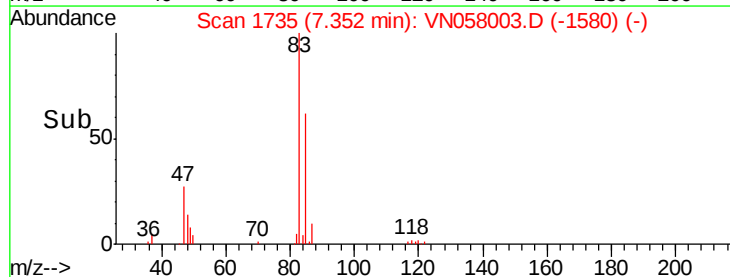
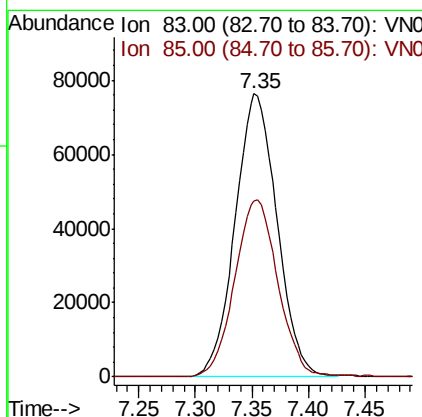
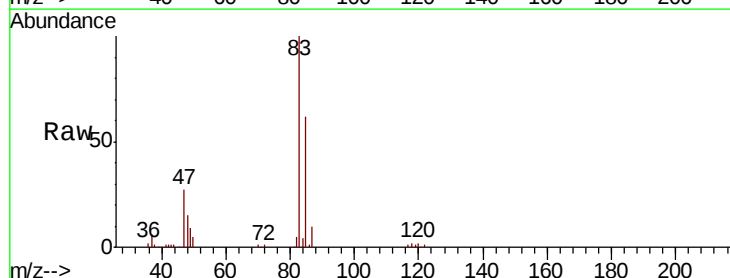
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

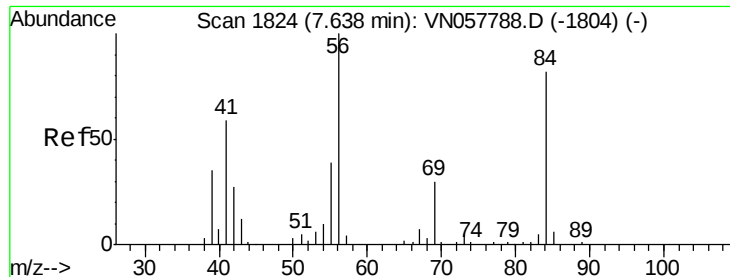
Tgt Ion: 73 Resp: 298915
Ion Ratio Lower Upper
73 100
43 23.9 0.0 0.0#



#25
Chloroform
Concen: 20.101 ug/l
RT: 7.35 min Scan# 1735
Delta R.T. -0.00 min
Lab File: VN058003.D
Acq: 13 Sep 2019 9:12

Tgt Ion: 83 Resp: 196768
Ion Ratio Lower Upper
83 100
85 62.3 51.8 77.6

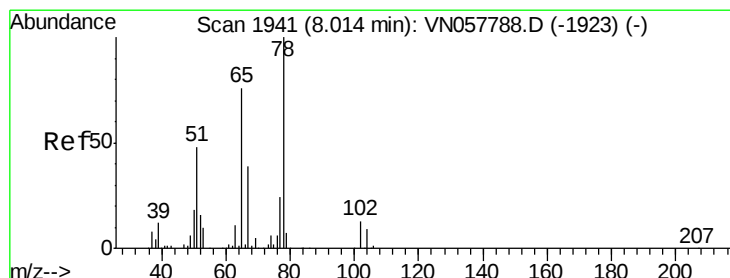
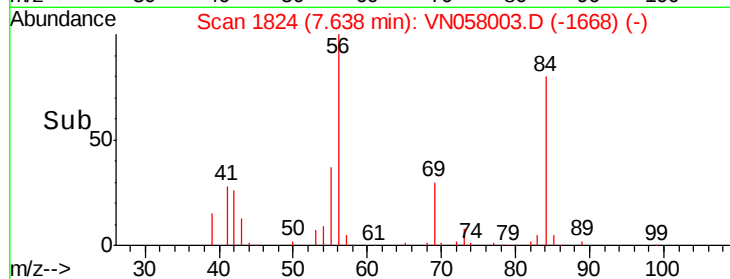
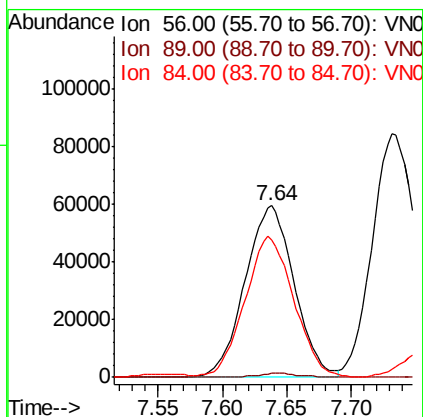
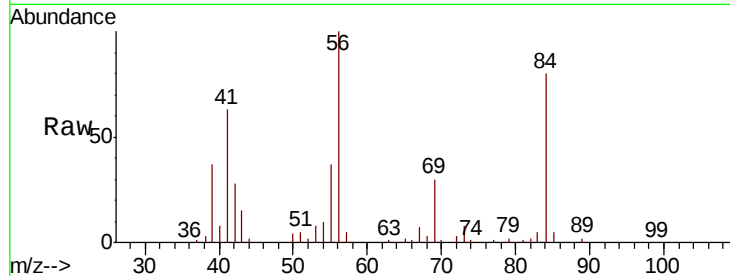




#26
Cyclohexane
Concen: 19.537 ug/l
RT: 7.64 min Scan# 1824
Delta R.T. 0.00 min
Lab File: VN058003.D
Acq: 13 Sep 2019 9:12

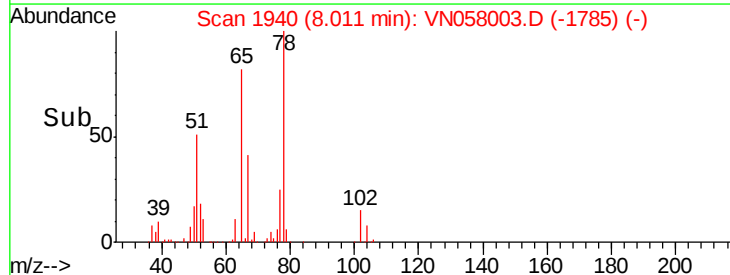
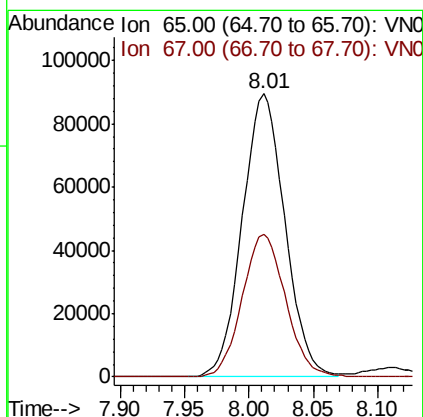
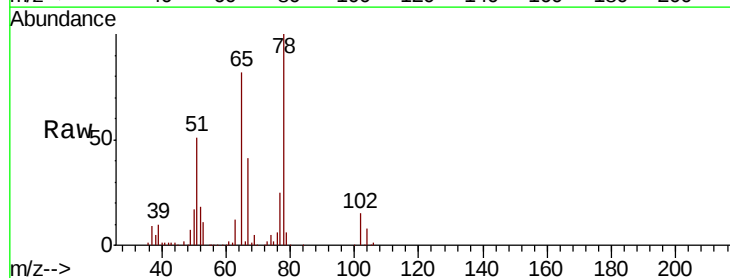
Instrument :
MSVOA_N
ClientSampled :
VSTDCCC020

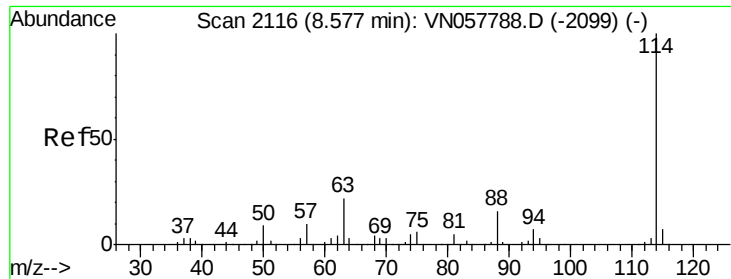
Tgt Ion: 56 Resp: 157831
Ion Ratio Lower Upper
56 100
89 1.7 0.3 0.5#
84 81.8 66.6 100.0



#27
1,2-Dichloroethane-d4
Concen: 30.276 ug/l
RT: 8.01 min Scan# 1940
Delta R.T. -0.00 min
Lab File: VN058003.D
Acq: 13 Sep 2019 9:12

Tgt Ion: 65 Resp: 206162
Ion Ratio Lower Upper
65 100
67 51.4 40.9 61.3

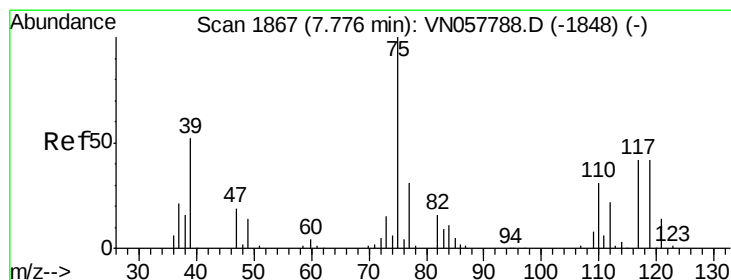
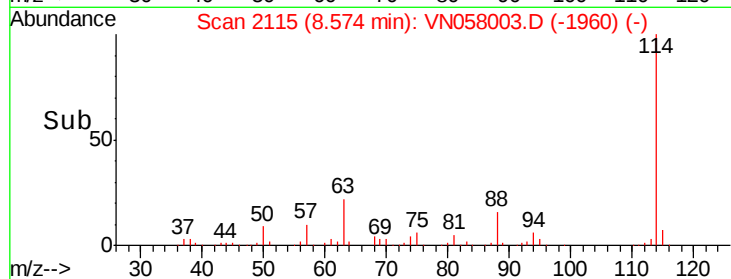
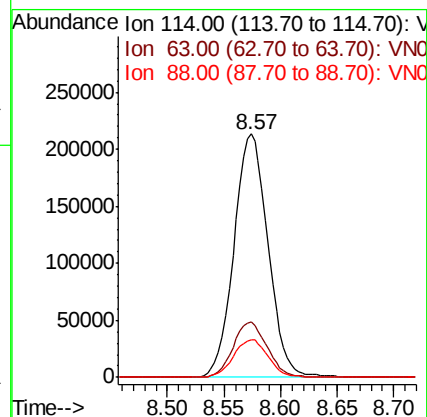
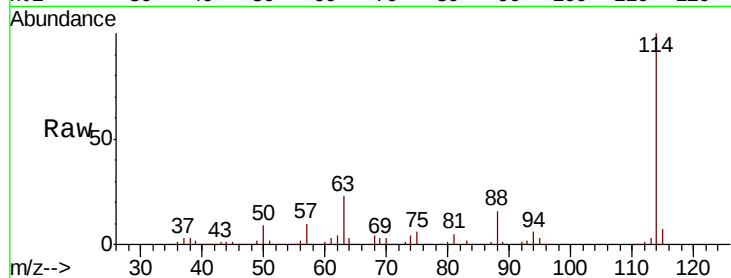




#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. -0.00 min
 Lab File: VN058003.D
 Acq: 13 Sep 2019 9:12

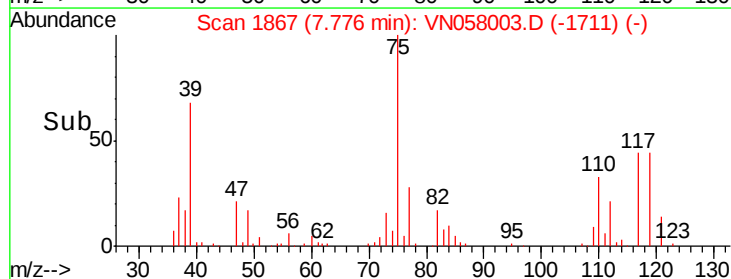
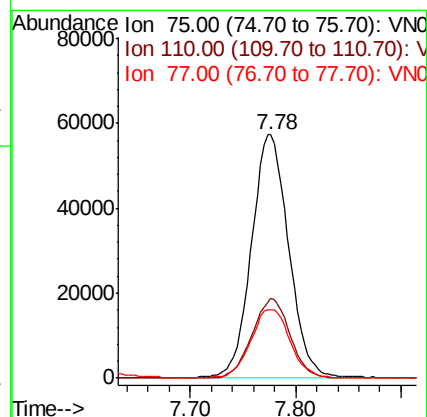
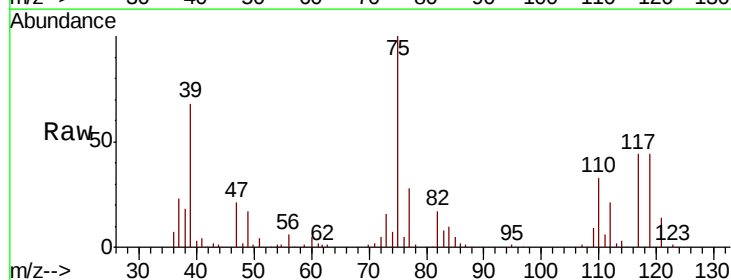
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

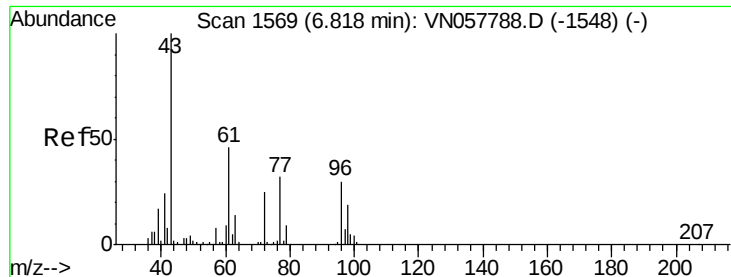
Tgt Ion: 114 Resp: 447542
 Ion Ratio Lower Upper
 114 100
 63 22.7 18.0 27.0
 88 15.7 12.6 19.0



#29
 1,1-Dichloropropene
 Concen: 20.028 ug/l
 RT: 7.78 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN058003.D
 Acq: 13 Sep 2019 9:12

Tgt Ion: 75 Resp: 141006
 Ion Ratio Lower Upper
 75 100
 110 33.0 0.0 63.8
 77 30.0 0.0 60.0

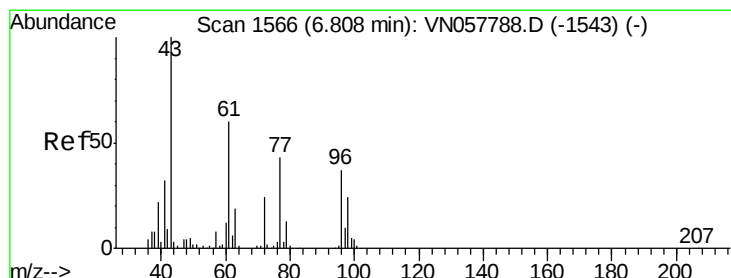
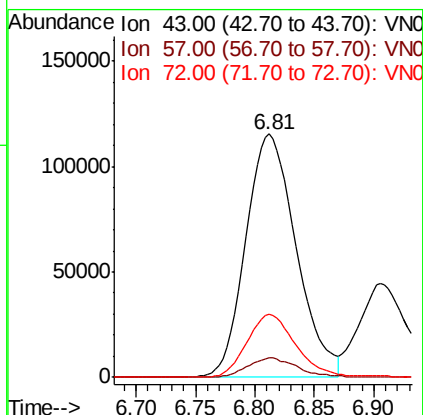
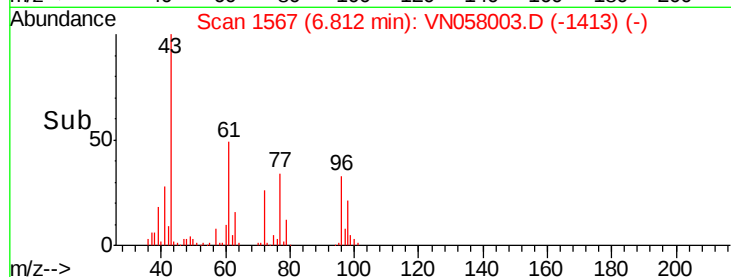
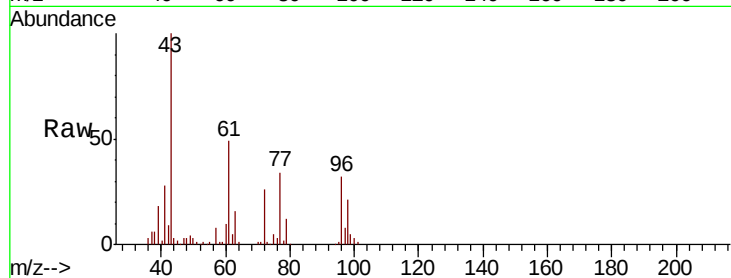




#30
2-Butanone
Concen: 106.025 ug/l
RT: 6.81 min Scan# 1567
Delta R.T. -0.01 min
Lab File: VN058003.D
Acq: 13 Sep 2019 9:12

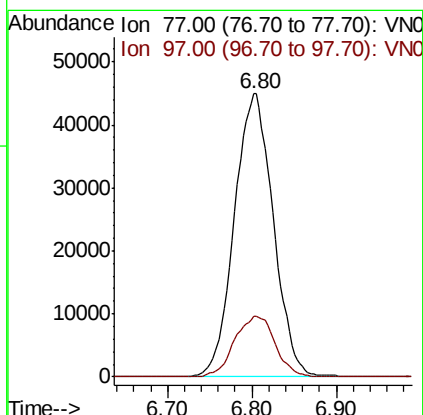
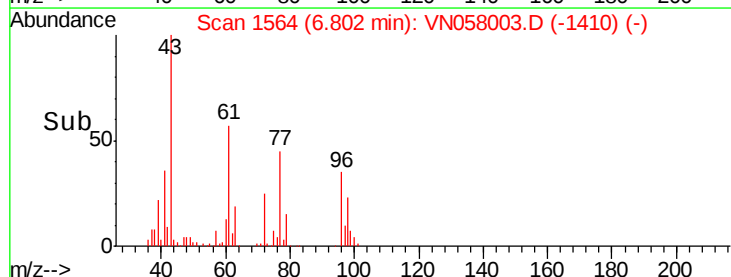
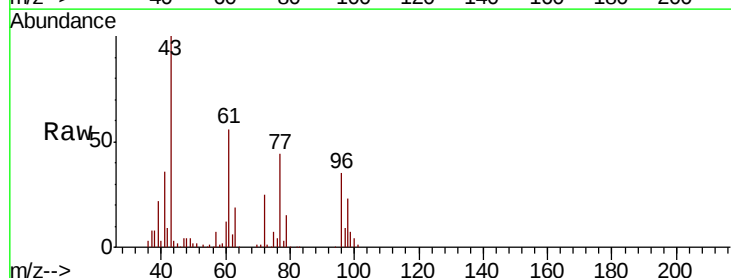
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

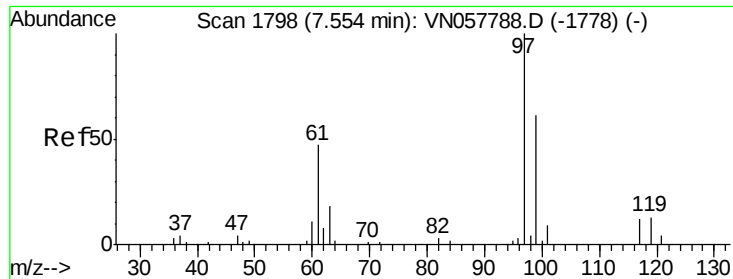
Tgt Ion: 43 Resp: 336576
Ion Ratio Lower Upper
43 100
57 7.9 6.4 9.6
72 25.1 20.3 30.5



#31
2,2-Dichloropropane
Concen: 19.381 ug/l
RT: 6.80 min Scan# 1564
Delta R.T. -0.01 min
Lab File: VN058003.D
Acq: 13 Sep 2019 9:12

Tgt Ion: 77 Resp: 144062
Ion Ratio Lower Upper
77 100
97 22.2 17.7 26.5

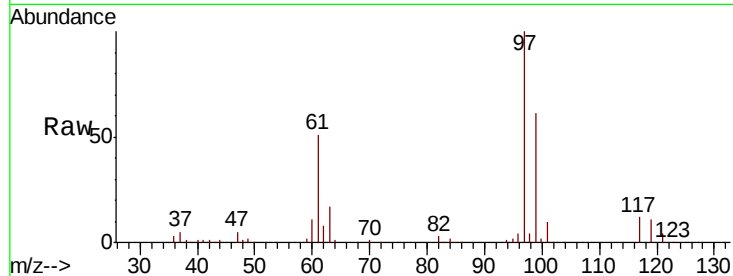




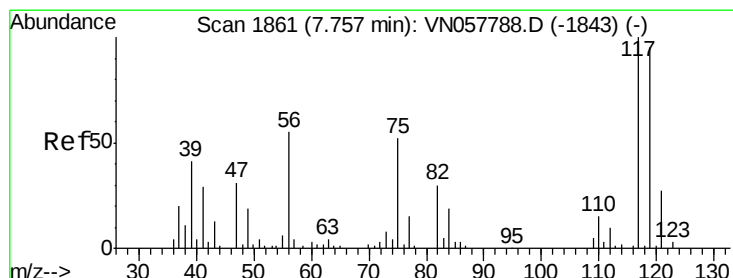
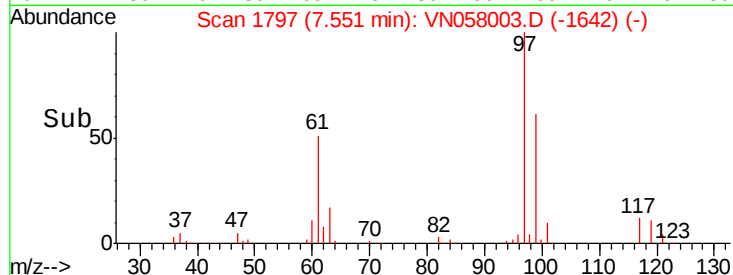
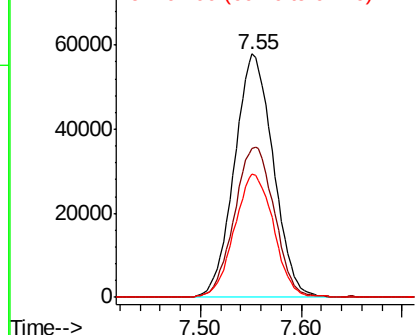
#32
 1,1,1-Trichloroethane
 Concen: 19.578 ug/l
 RT: 7.55 min Scan# 1797
 Delta R.T. -0.00 min
 Lab File: VN058003.D
 Acq: 13 Sep 2019 9:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tgt Ion: 97 Resp: 154974
 Ion Ratio Lower Upper
 97 100
 99 63.5 49.8 74.8
 61 50.8 38.7 58.1

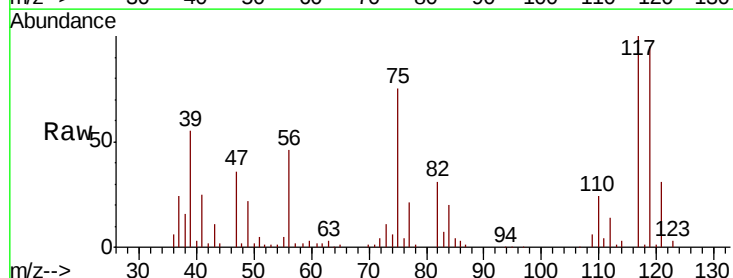


Abundance Ion 97.00 (96.70 to 97.70): VN0
 Ion 99.00 (98.70 to 99.70): VN0
 Ion 61.00 (60.70 to 61.70): VN0

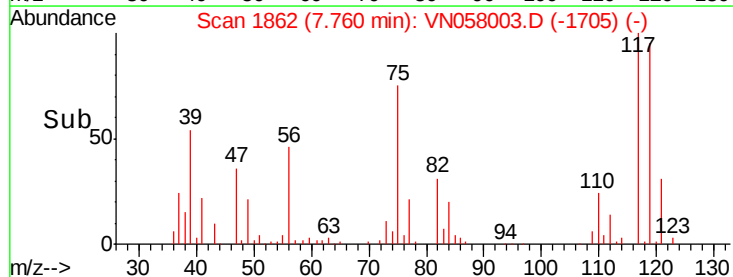
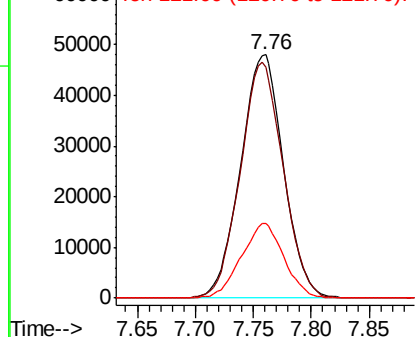


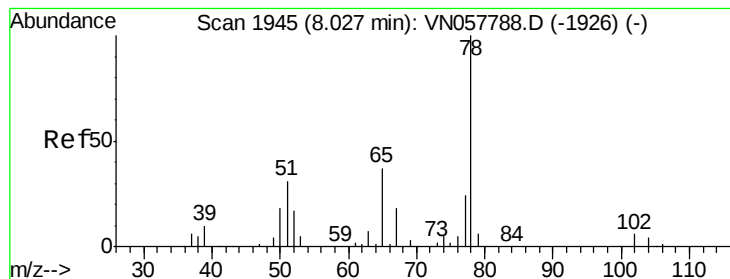
#33
 Carbon Tetrachloride
 Concen: 19.136 ug/l
 RT: 7.76 min Scan# 1862
 Delta R.T. 0.00 min
 Lab File: VN058003.D
 Acq: 13 Sep 2019 9:12

Tgt Ion: 117 Resp: 123573
 Ion Ratio Lower Upper
 117 100
 119 95.0 75.7 113.5
 121 30.8 21.7 32.5



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: 20.082 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN058003.D

Acq: 13 Sep 2019 9:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

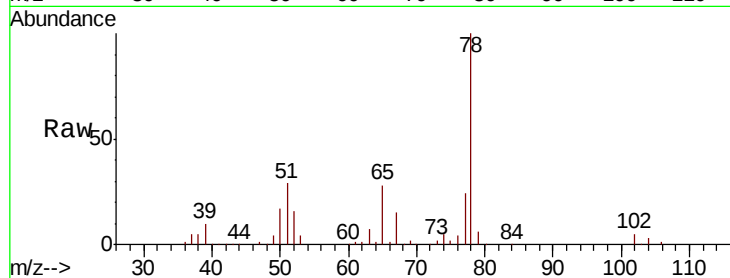
Tgt Ion: 78 Resp: 418934

Ion Ratio Lower Upper

78 100

77 23.7 19.2 28.8

51 28.6 24.9 37.3

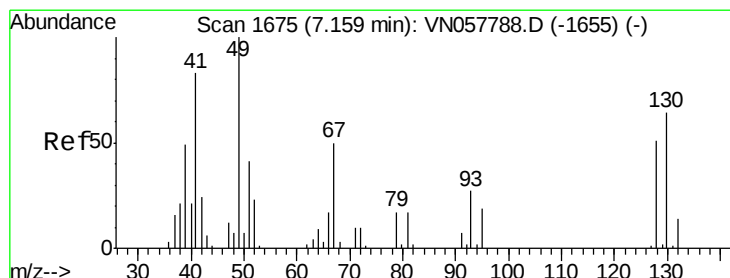
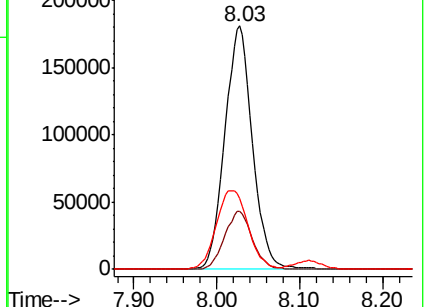
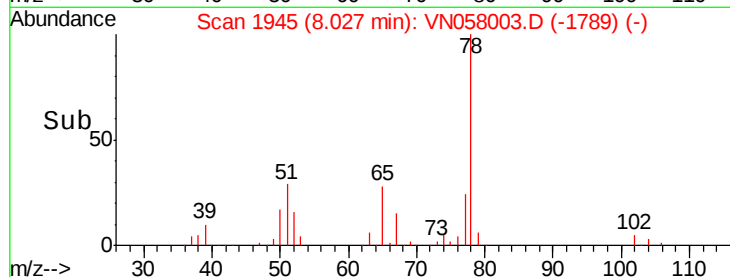


Abundance Ion 78.10 (77.80 to 78.80): VN057788.D (-1926) (-)

Ion 77.00 (76.70 to 77.70): VN057788.D (-1926) (-)

Ion 51.00 (50.70 to 51.70): VN057788.D (-1926) (-)

Time-->



#35

Methacrylonitrile

Concen: 62.967 ug/l

RT: 7.19 min Scan# 1684

Delta R.T. 0.03 min

Lab File: VN058003.D

Acq: 13 Sep 2019 9:12

Tgt Ion: 41 Resp: 185401

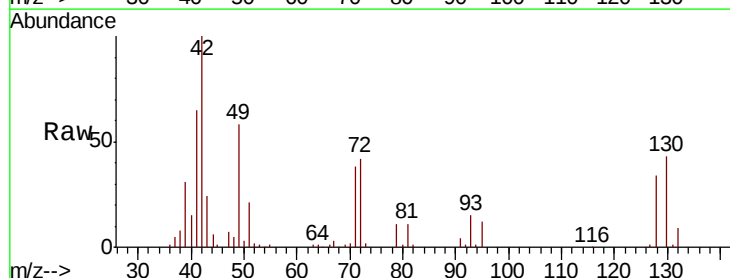
Ion Ratio Lower Upper

41 100

39 48.0 29.8 89.5

67 4.9 30.0 90.1#

52 2.9 13.9 41.6#



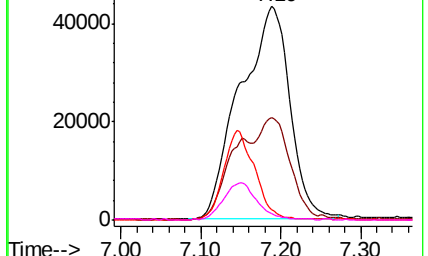
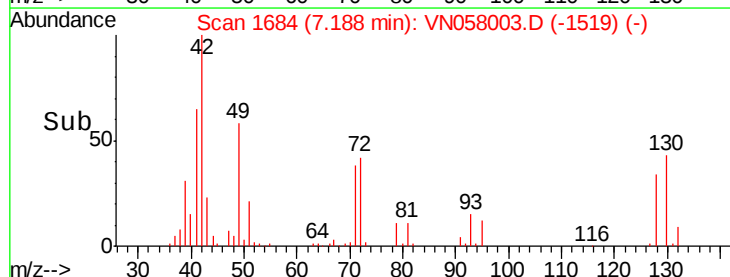
Abundance Ion 41.00 (40.70 to 41.70): VN057788.D (-1655) (-)

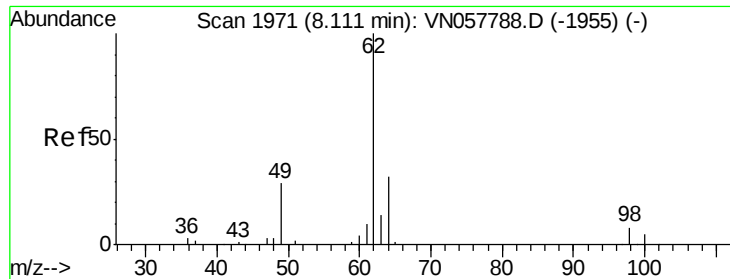
Ion 39.00 (38.70 to 39.70): VN057788.D (-1655) (-)

Ion 67.00 (66.70 to 67.70): VN057788.D (-1655) (-)

Ion 52.00 (51.70 to 52.70): VN057788.D (-1655) (-)

Time-->

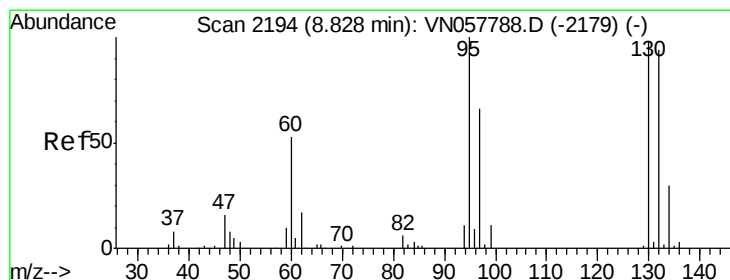
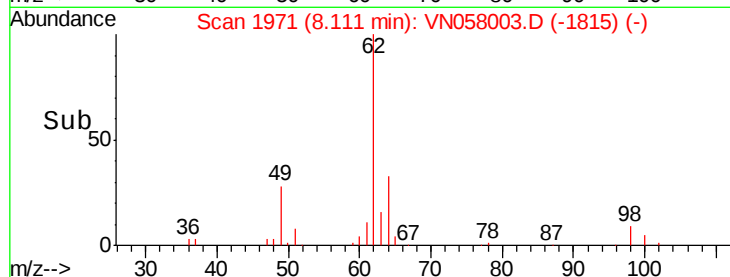
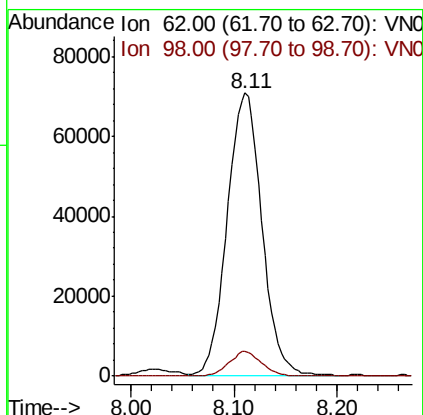
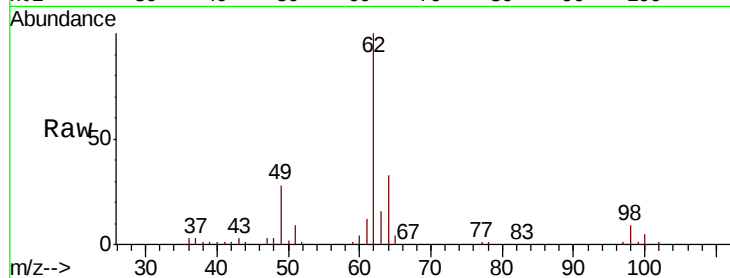




#36
 1,2-Dichloroethane
 Concen: 20.524 ug/l
 RT: 8.11 min Scan# 1971
 Delta R.T. 0.00 min
 Lab File: VN058003.D
 Acq: 13 Sep 2019 9:12

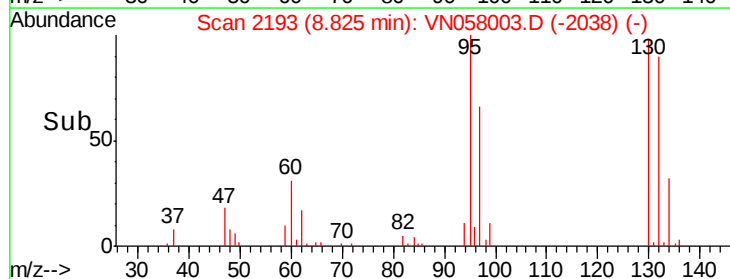
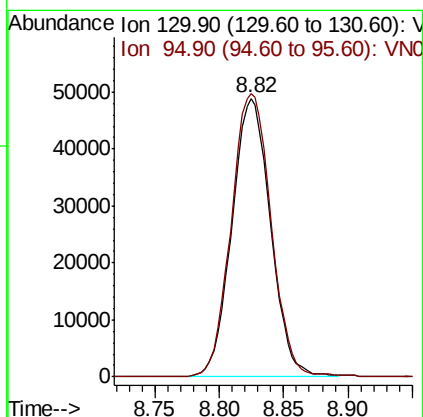
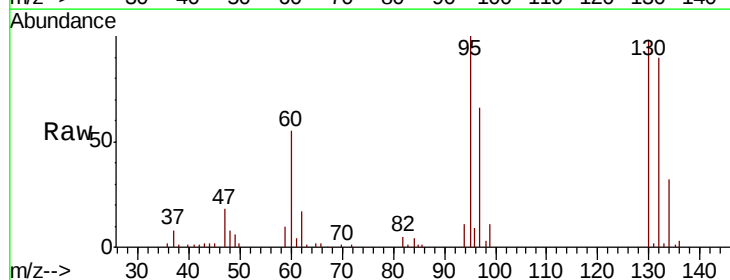
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

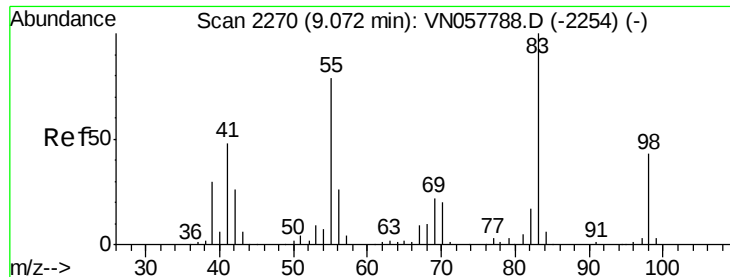
Tgt Ion: 62 Resp: 166146
 Ion Ratio Lower Upper
 62 100
 98 8.1 6.6 9.8



#37
 Trichloroethene
 Concen: 20.100 ug/l
 RT: 8.82 min Scan# 2193
 Delta R.T. -0.00 min
 Lab File: VN058003.D
 Acq: 13 Sep 2019 9:12

Tgt Ion: 130 Resp: 101842
 Ion Ratio Lower Upper
 130 100
 95 101.7 81.9 122.9

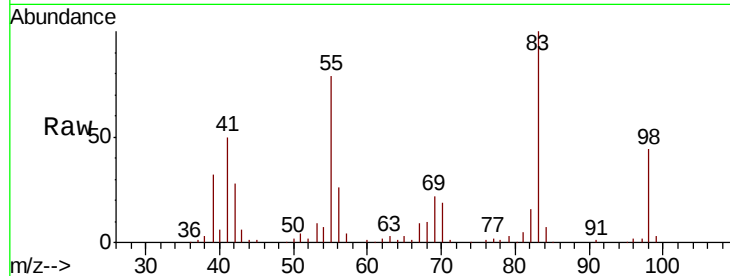




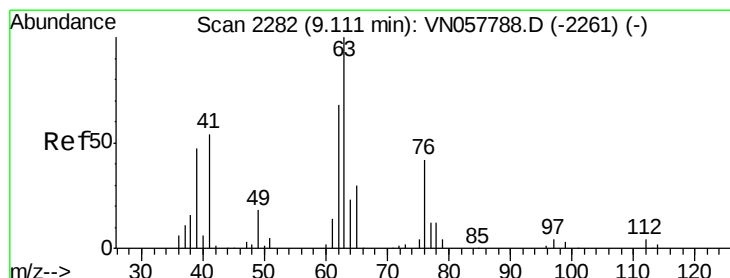
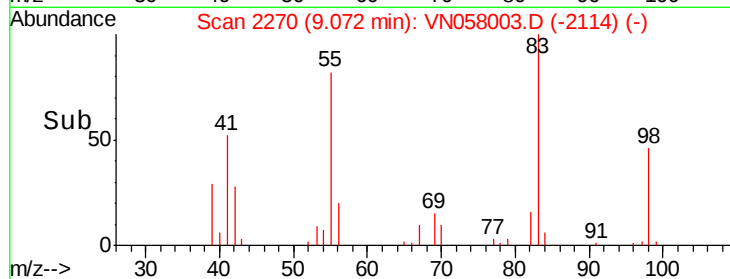
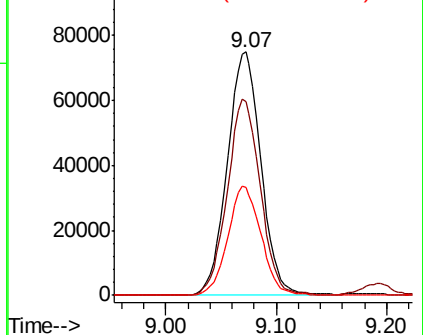
#38
Methylcyclohexane
Concen: 19.770 ug/l
RT: 9.07 min Scan# 2270
Delta R.T. 0.00 min
Lab File: VN058003.D
Acq: 13 Sep 2019 9:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion: 83 Resp: 158493
Ion Ratio Lower Upper
83 100
55 78.9 39.6 118.7
98 44.1 21.8 65.4

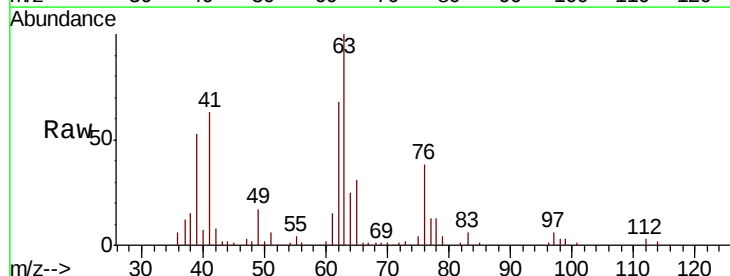


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

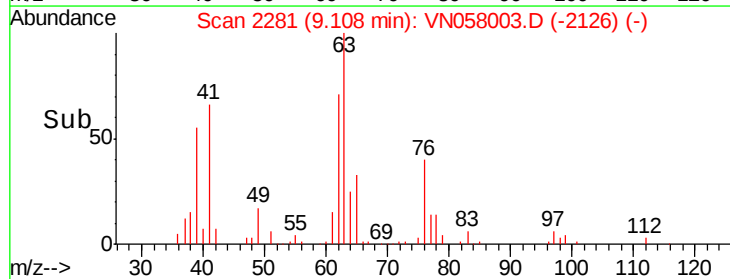
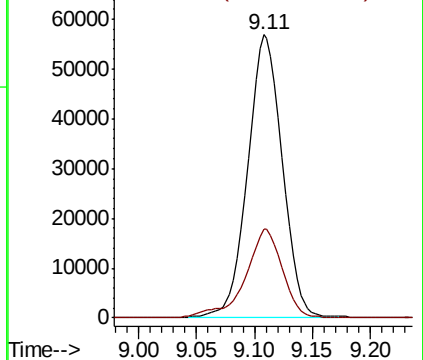


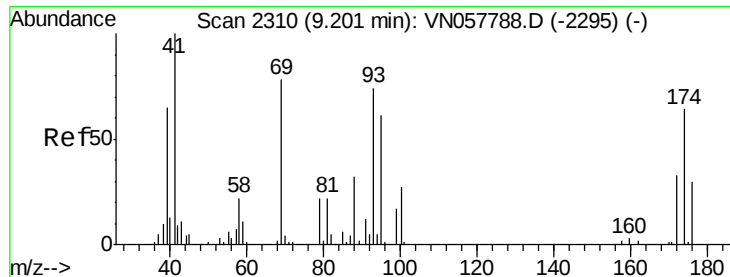
#39
1,2-Dichloropropane
Concen: 20.243 ug/l
RT: 9.11 min Scan# 2281
Delta R.T. -0.00 min
Lab File: VN058003.D
Acq: 13 Sep 2019 9:12

Tgt Ion: 63 Resp: 118595
Ion Ratio Lower Upper
63 100
65 31.1 23.6 35.4



Abundance Ion 63.00 (62.70 to 63.70): VN0
Ion 65.00 (64.70 to 65.70): VN0





#40

Dibromomethane

Concen: 20.669 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. -0.00 min

Lab File: VN058003.D

Acq: 13 Sep 2019 9:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

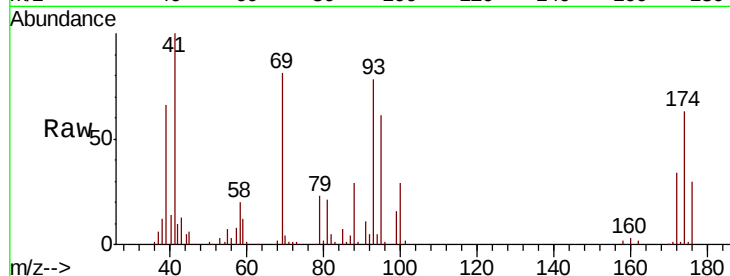
Tgt Ion: 93 Resp: 73648

Ion Ratio Lower Upper

93 100

95 80.0 0.0 163.0

174 86.0 0.0 171.4

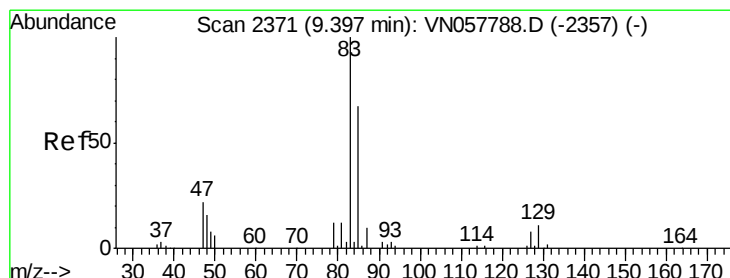
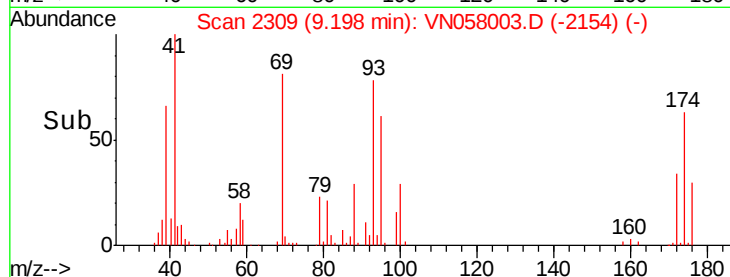
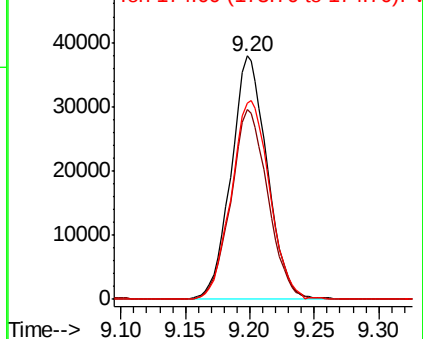


Abundance

Ion 93.00 (92.70 to 93.70): VN0

Ion 95.00 (94.70 to 95.70): VN0

Ion 174.00 (173.70 to 174.70): V



#41

Bromodichloromethane

Concen: 19.576 ug/l

RT: 9.39 min Scan# 2370

Delta R.T. -0.00 min

Lab File: VN058003.D

Acq: 13 Sep 2019 9:12

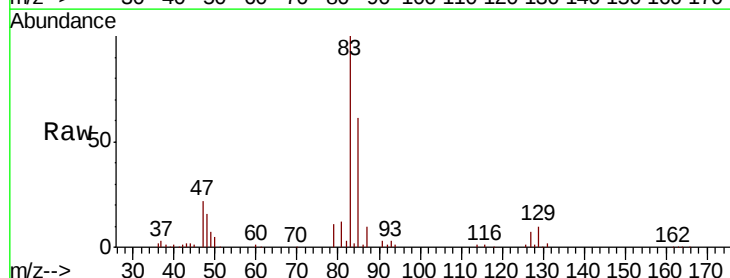
Tgt Ion: 83 Resp: 140631

Ion Ratio Lower Upper

83 100

85 60.8 53.4 80.0

127 7.4 6.6 10.0

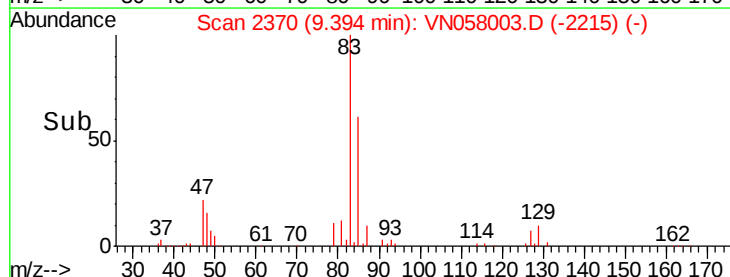
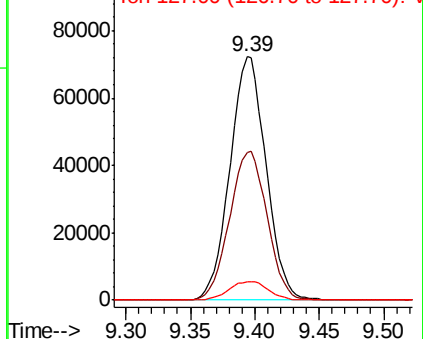


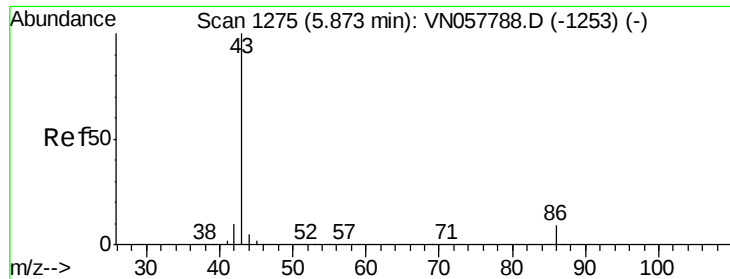
Abundance

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

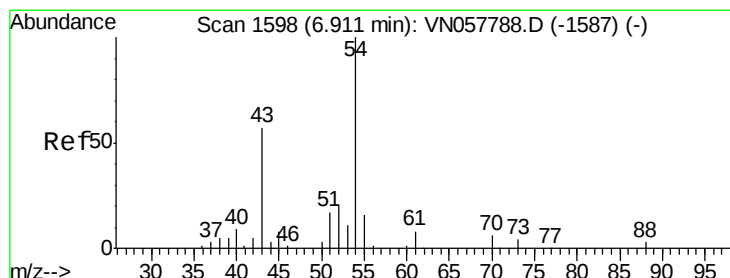
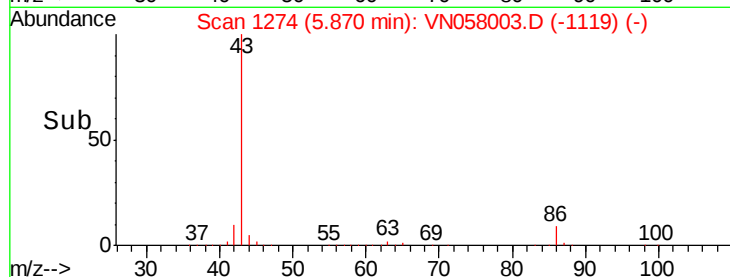
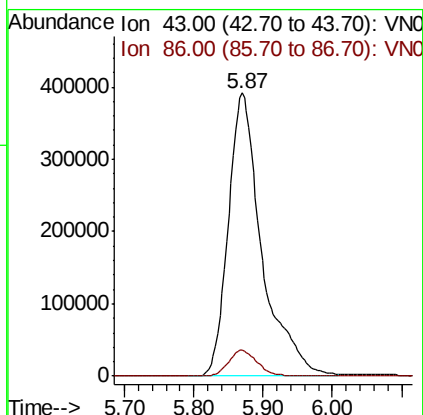
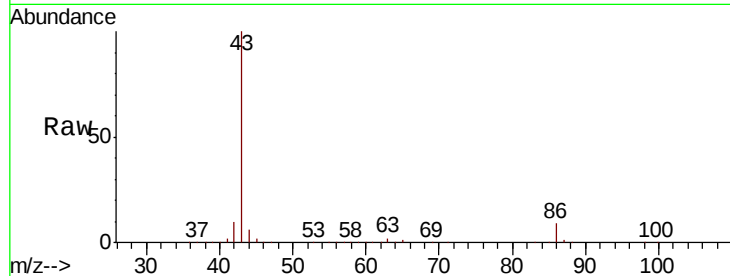




#42
 Vinyl Acetate
 Concen: 103.943 ug/l
 RT: 5.87 min Scan# 1274
 Delta R.T. -0.00 min
 Lab File: VN058003.D
 Acq: 13 Sep 2019 9:12

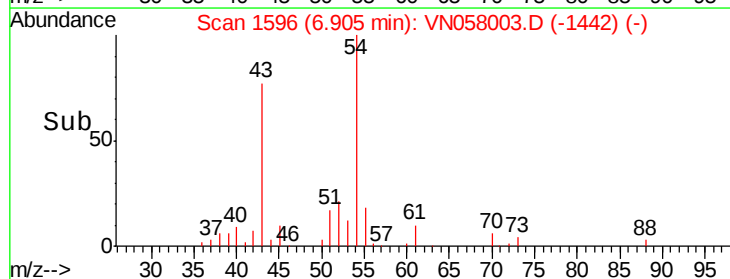
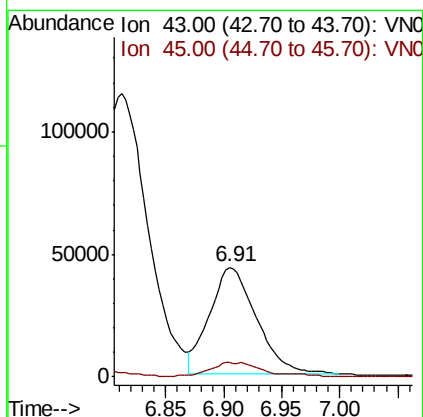
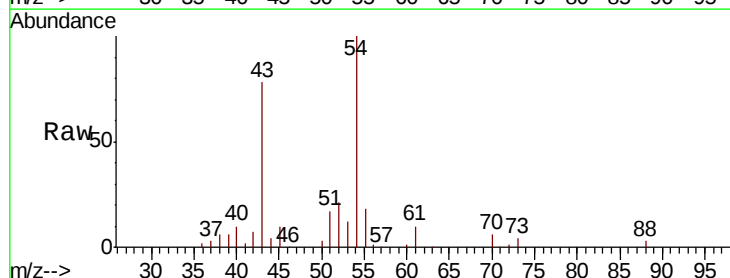
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

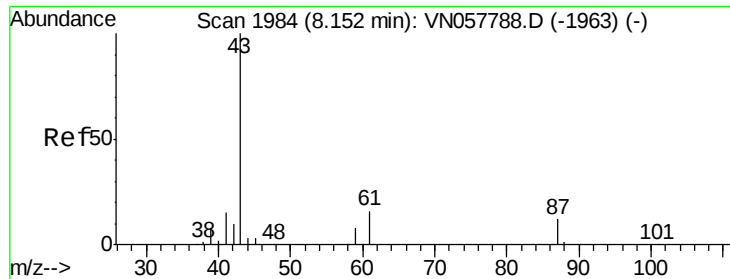
Tgt Ion: 43 Resp: 1326178
 Ion Ratio Lower Upper
 43 100
 86 7.9 6.3 9.5



#43
 Ethyl Acetate
 Concen: 18.823 ug/l
 RT: 6.91 min Scan# 1596
 Delta R.T. -0.01 min
 Lab File: VN058003.D
 Acq: 13 Sep 2019 9:12

Tgt Ion: 43 Resp: 121911
 Ion Ratio Lower Upper
 43 100
 45 7.3 5.4 8.0





#44

Isopropyl Acetate

Concen: 21.187 ug/l

RT: 8.15 min Scan# 1983

Delta R.T. -0.00 min

Lab File: VN058003.D

Acq: 13 Sep 2019 9:12

Instrument :

MSVOA_N

ClientSampleId :

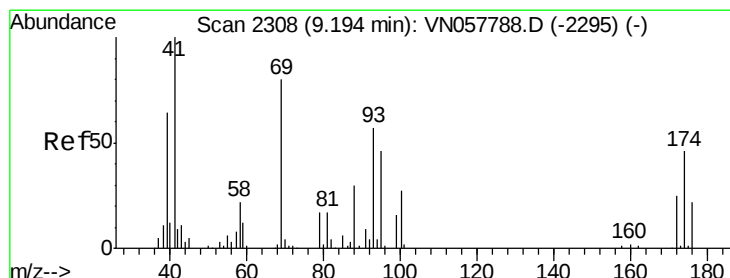
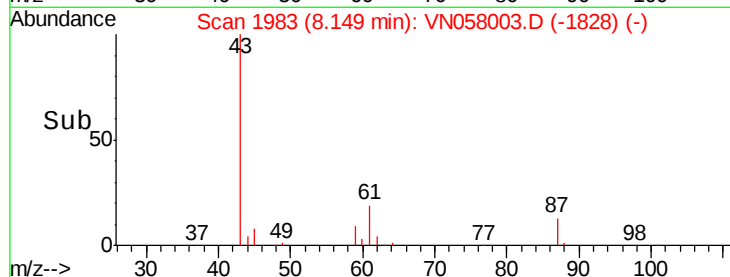
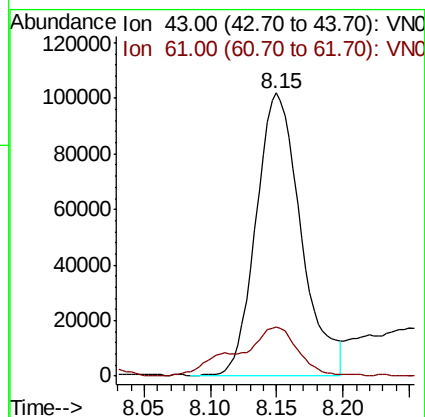
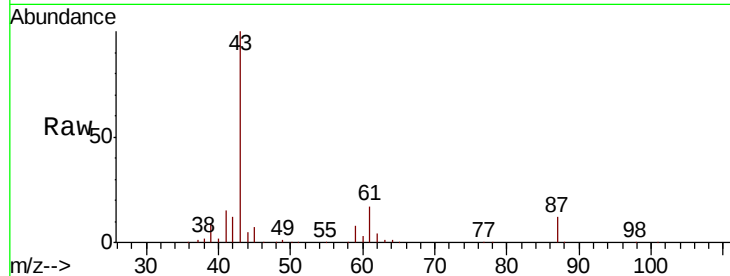
VSTDCCC020

Tgt Ion: 43 Resp: 239259

Ion Ratio Lower Upper

43 100

61 15.4 0.1 0.1#



#45

1,4-Dioxane

Concen: 369.364 ug/l

RT: 9.19 min Scan# 2307

Delta R.T. -0.00 min

Lab File: VN058003.D

Acq: 13 Sep 2019 9:12

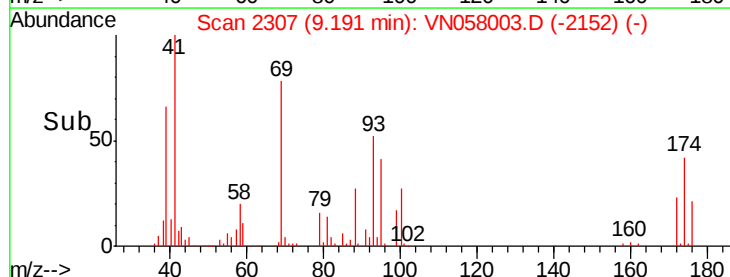
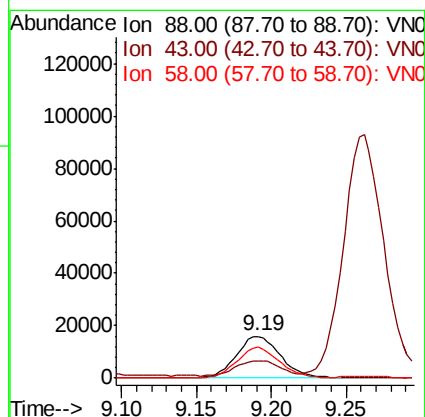
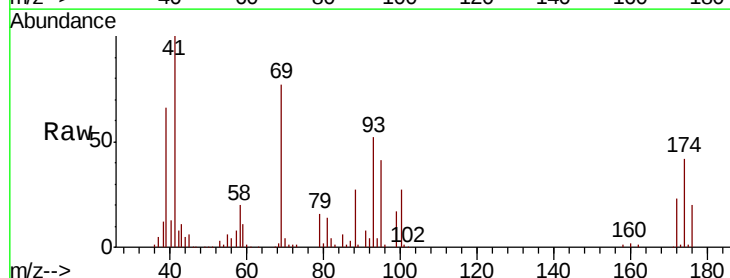
Tgt Ion: 88 Resp: 32776

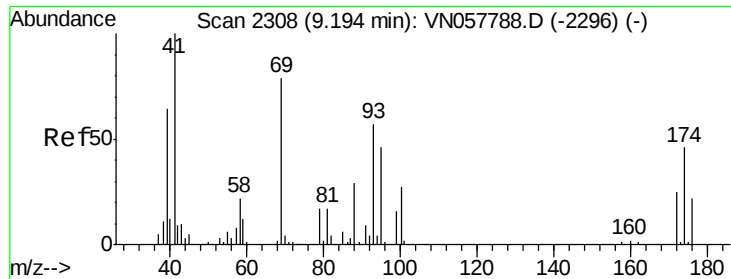
Ion Ratio Lower Upper

88 100

43 35.9 28.2 42.4

58 70.8 58.5 87.7

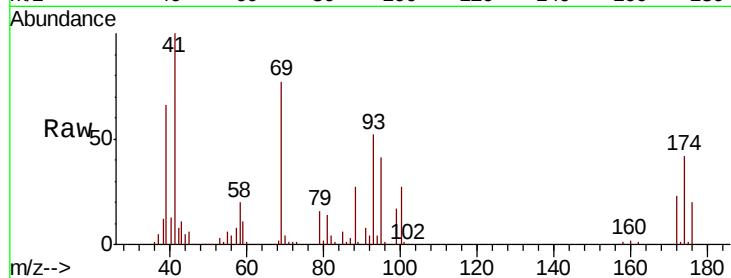




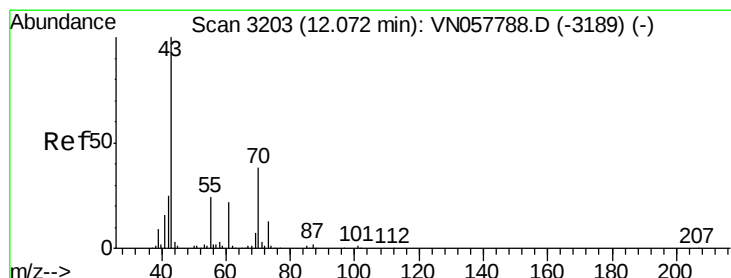
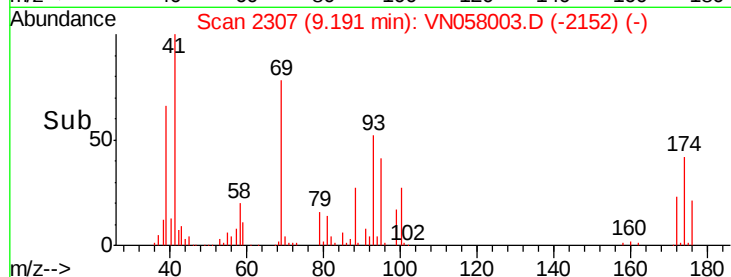
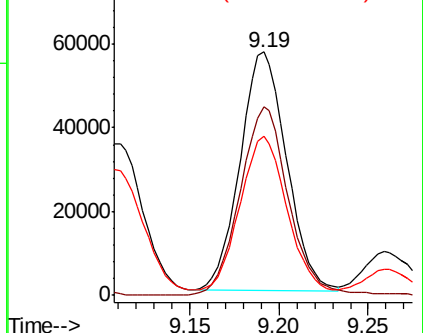
#46
Methyl methacrylate
Concen: 18.851 ug/l
RT: 9.19 min Scan# 2307
Delta R.T. -0.00 min
Lab File: VN058003.D
Acq: 13 Sep 2019 9:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion: 41 Resp: 103985
Ion Ratio Lower Upper
41 100
69 78.7 39.6 119.0
39 64.8 31.9 95.7

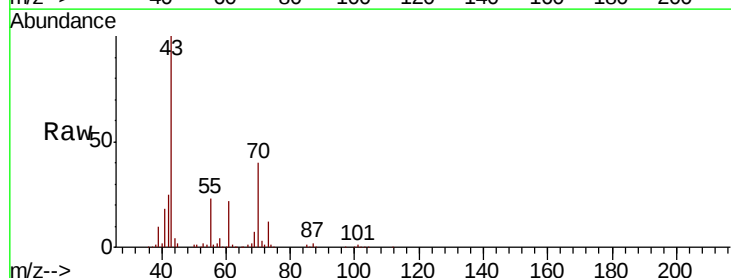


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

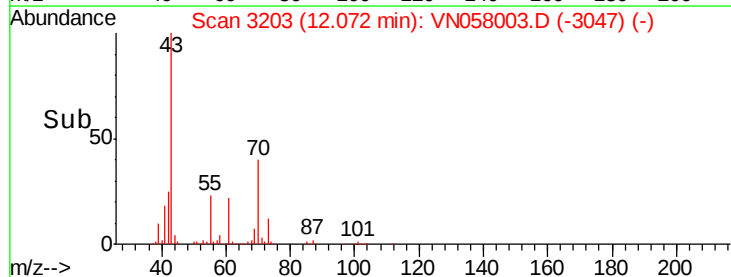
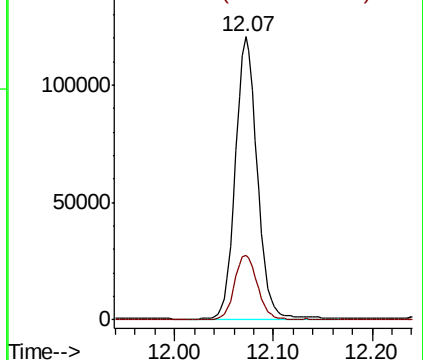


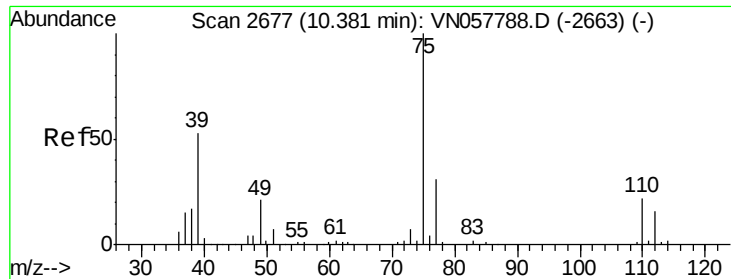
#47
n-ethyl acetate
Concen: 17.901 ug/l
RT: 12.07 min Scan# 3203
Delta R.T. 0.00 min
Lab File: VN058003.D
Acq: 13 Sep 2019 9:12

Tgt Ion: 43 Resp: 185694
Ion Ratio Lower Upper
43 100
55 24.2 18.3 27.5



Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 55.00 (54.70 to 55.70): VN0

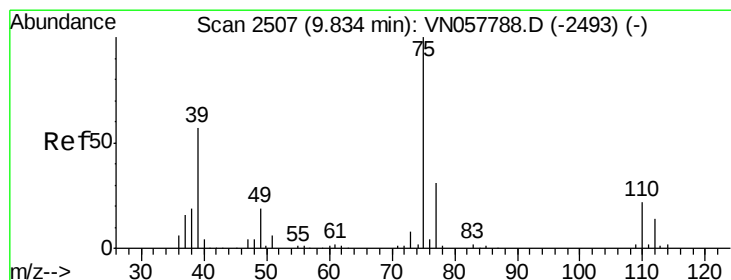
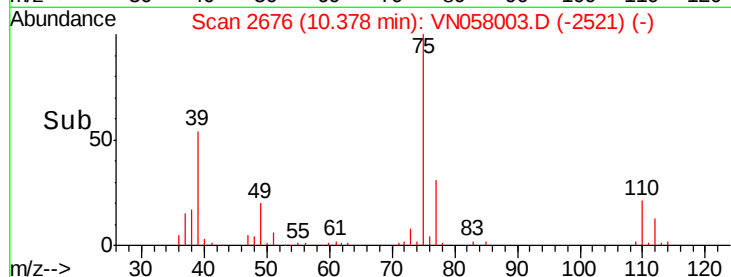
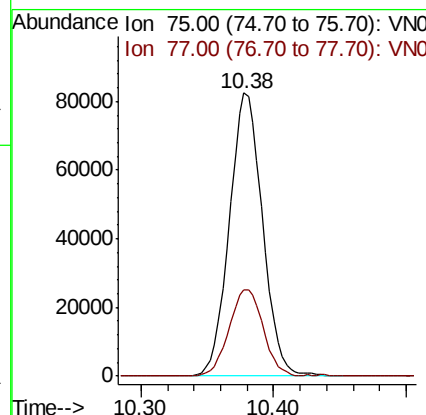
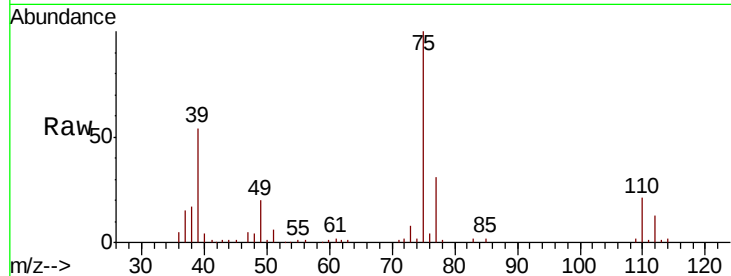




#48
t-1,3-Dichloropropene
Concen: 18.721 ug/l
RT: 10.38 min Scan# 2676
Delta R.T. -0.00 min
Lab File: VN058003.D
Acq: 13 Sep 2019 9:12

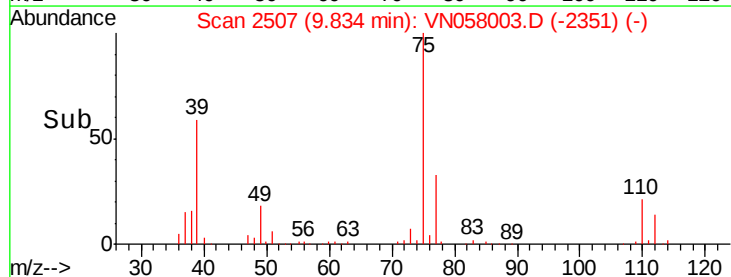
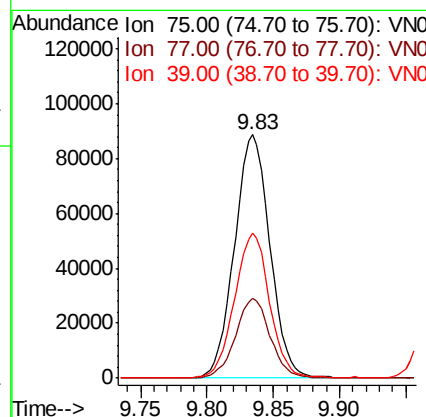
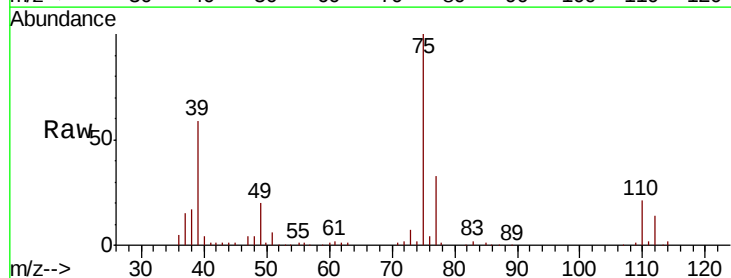
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

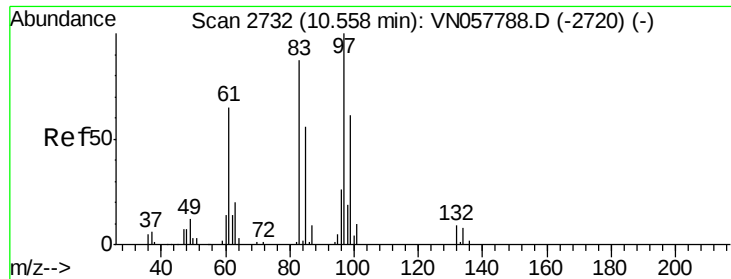
Tgt Ion: 75 Resp: 143173
Ion Ratio Lower Upper
75 100
77 30.6 24.9 37.3



#49
cis-1,3-Dichloropropene
Concen: 19.205 ug/l
RT: 9.83 min Scan# 2507
Delta R.T. 0.00 min
Lab File: VN058003.D
Acq: 13 Sep 2019 9:12

Tgt Ion: 75 Resp: 164797
Ion Ratio Lower Upper
75 100
77 32.7 24.6 36.8
39 59.1 45.8 68.8

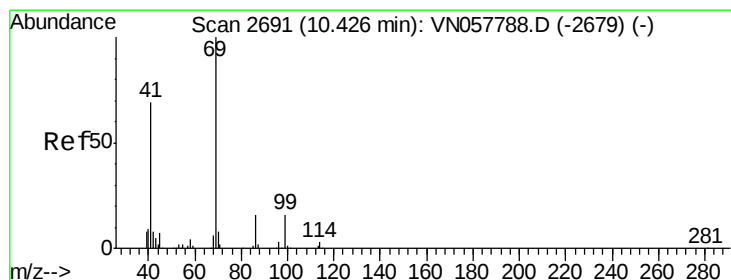
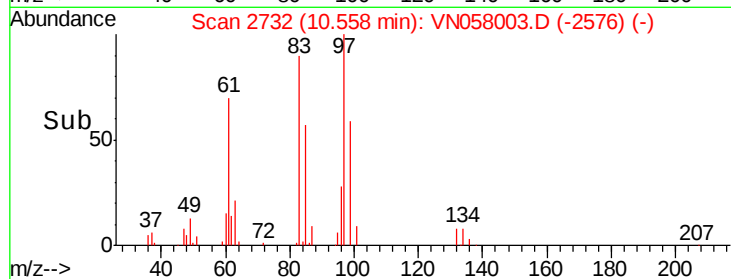
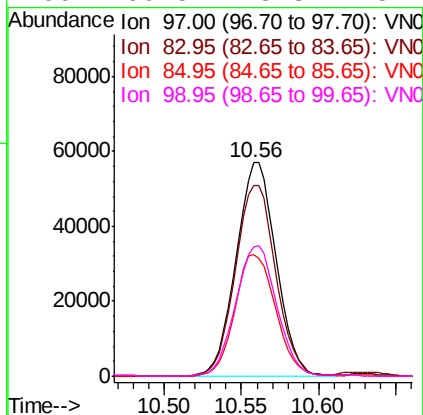
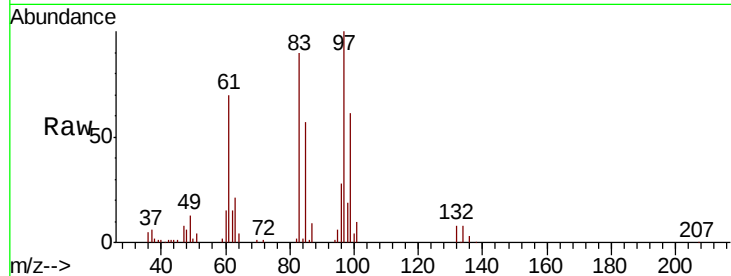




#50
 1,1,2-Trichloroethane
 Concen: 19.843 ug/l
 RT: 10.56 min Scan# 2732
 Delta R.T. 0.00 min
 Lab File: VN058003.D
 Acq: 13 Sep 2019 9:12

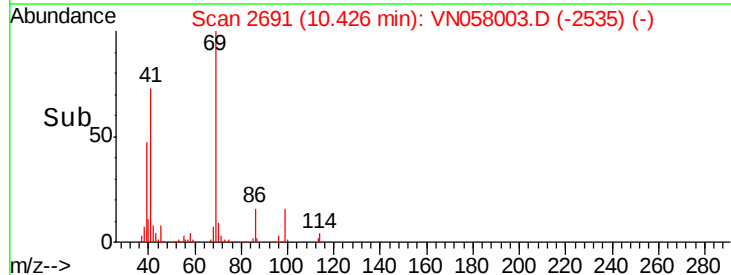
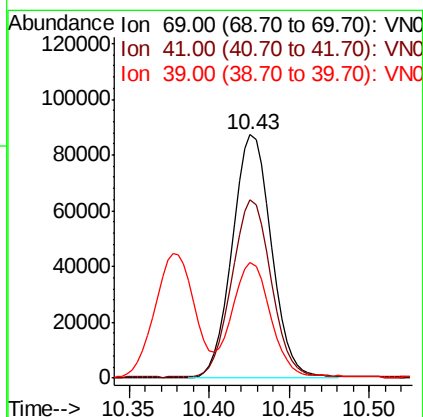
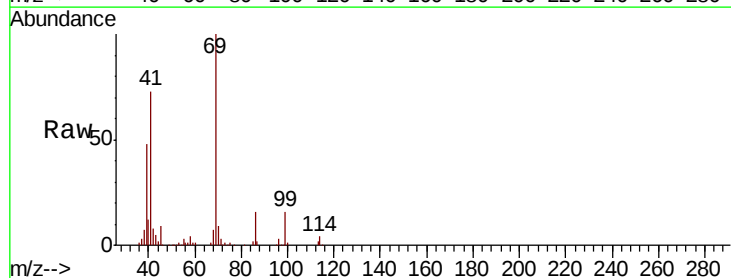
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

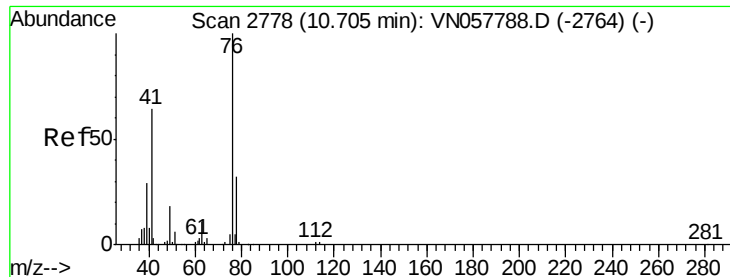
Tgt Ion:	97	Resp:	102557
Ion	Ratio	Lower	Upper
97	100		
83	89.6	69.4	104.2
85	56.9	45.0	67.6
99	60.5	48.8	73.2



#51
 Ethyl methacrylate
 Concen: 18.168 ug/l
 RT: 10.43 min Scan# 2691
 Delta R.T. 0.00 min
 Lab File: VN058003.D
 Acq: 13 Sep 2019 9:12

Tgt Ion:	69	Resp:	145601
Ion	Ratio	Lower	Upper
69	100		
41	72.5	34.5	103.5
39	46.5	22.4	67.3





#52

1,3-Dichloropropane

Concen: 20.320 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN058003.D

Acq: 13 Sep 2019 9:12

Instrument :

MSVOA_N

ClientSampleId :

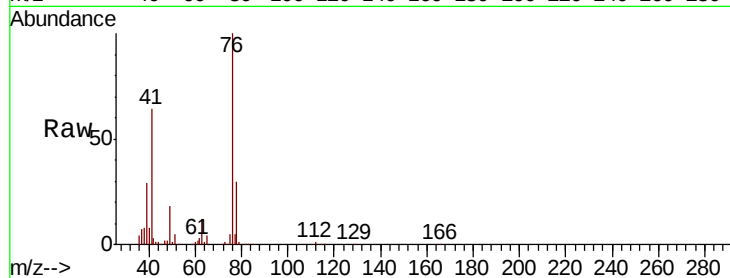
VSTDCCC020

Tgt Ion: 76 Resp: 183671

Ion Ratio Lower Upper

76 100

78 32.1 0.0 63.8



Abundance Ion 76.00 (75.70 to 76.70): VN057788.D (-2764) (-)

Ion 78.00 (77.70 to 78.70): VN057788.D (-2764) (-)

10.71

120000

100000

80000

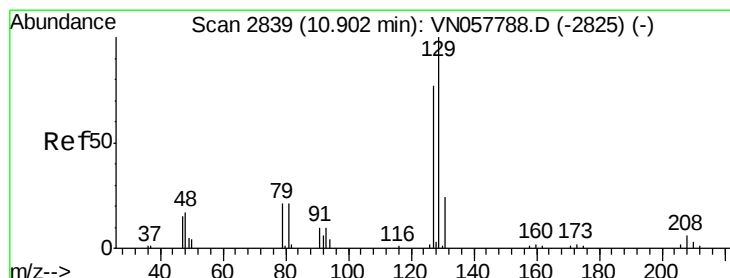
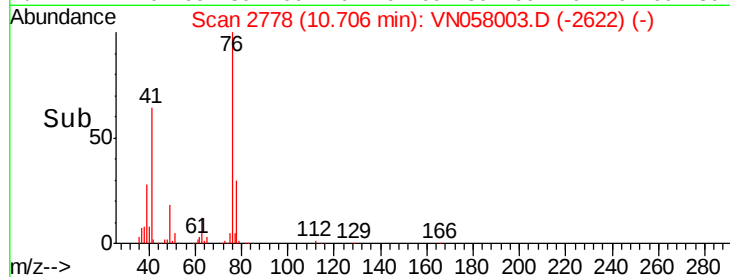
60000

40000

20000

0

Time-->



#53

Dibromochloromethane

Concen: 17.560 ug/l

RT: 10.90 min Scan# 2838

Delta R.T. -0.00 min

Lab File: VN058003.D

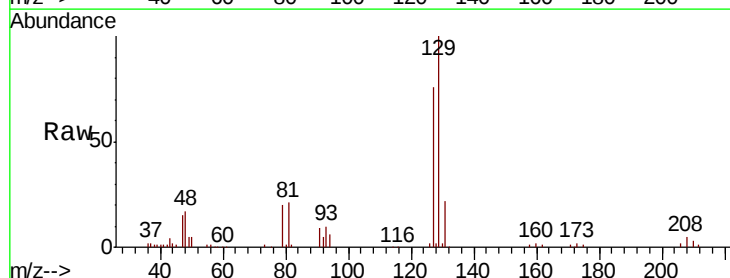
Acq: 13 Sep 2019 9:12

Tgt Ion: 129 Resp: 89633

Ion Ratio Lower Upper

129 100

127 79.4 38.8 116.3



Abundance Ion 129.00 (128.70 to 129.70): VN057788.D (-2825) (-)

Ion 127.00 (126.70 to 127.70): VN057788.D (-2825) (-)

10.90

60000

50000

40000

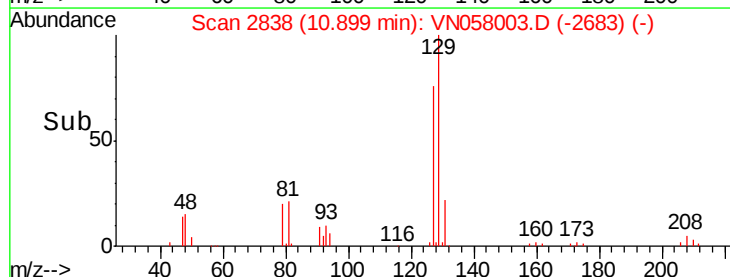
30000

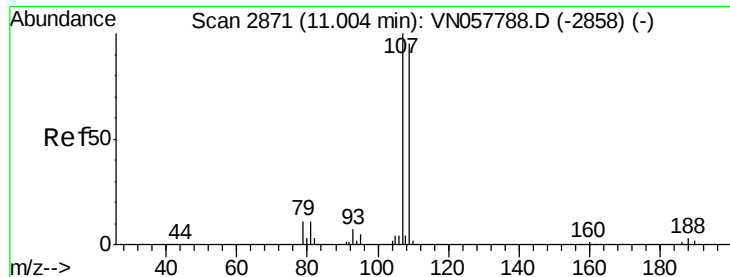
20000

10000

0

Time-->

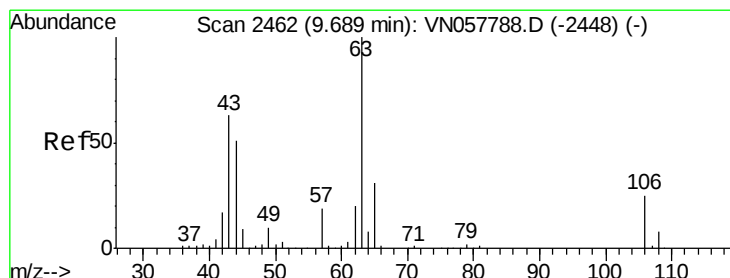
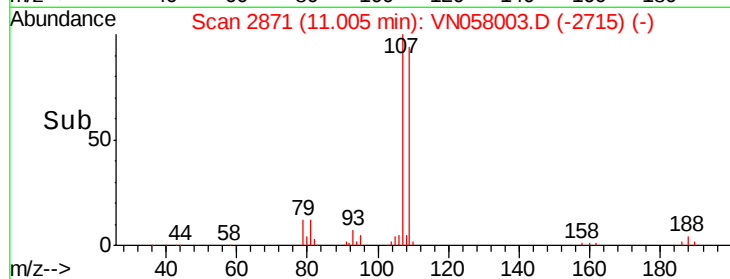
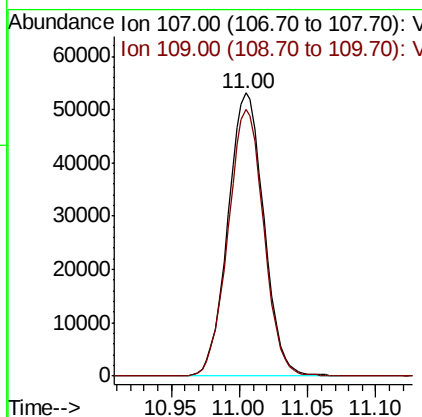
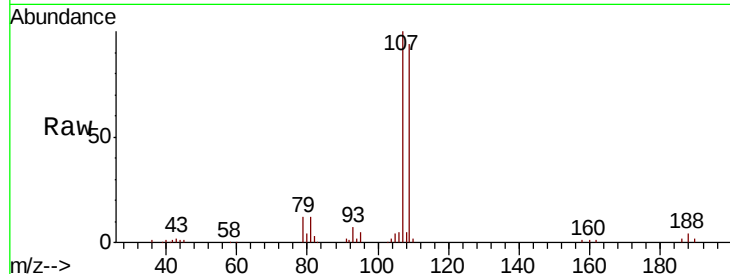




#54
 1,2-Dibromoethane
 Concen: 18.897 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN058003.D
 Acq: 13 Sep 2019 9:12

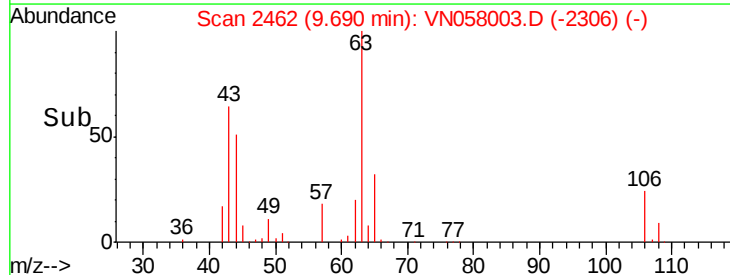
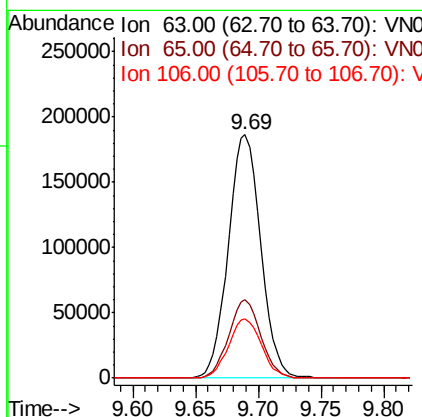
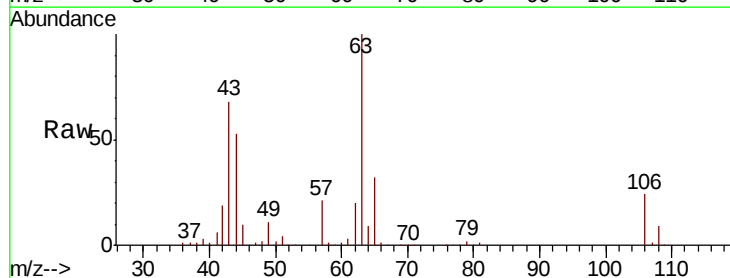
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

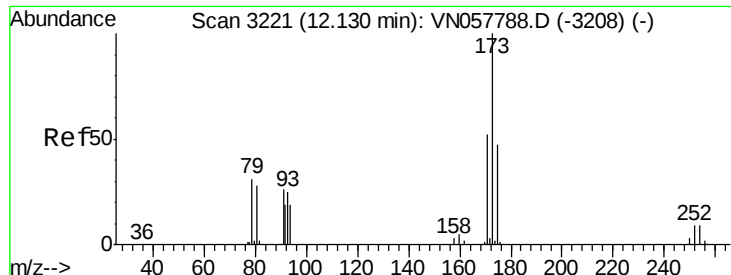
Tgt Ion: 107 Resp: 97178
 Ion Ratio Lower Upper
 107 100
 109 93.5 75.4 113.0



#55
 2-Chloroethyl vinyl ether
 Concen: 88.039 ug/l
 RT: 9.69 min Scan# 2462
 Delta R.T. 0.00 min
 Lab File: VN058003.D
 Acq: 13 Sep 2019 9:12

Tgt Ion: 63 Resp: 335260
 Ion Ratio Lower Upper
 63 100
 65 31.7 25.0 37.6
 106 24.6 19.8 29.8

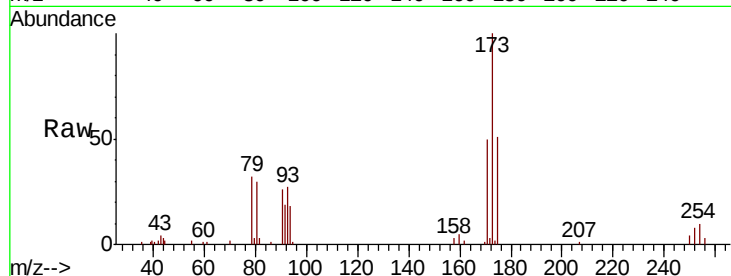




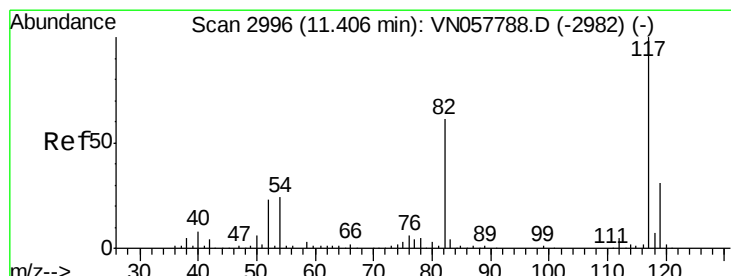
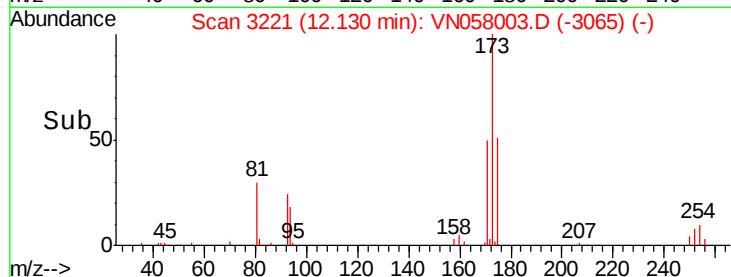
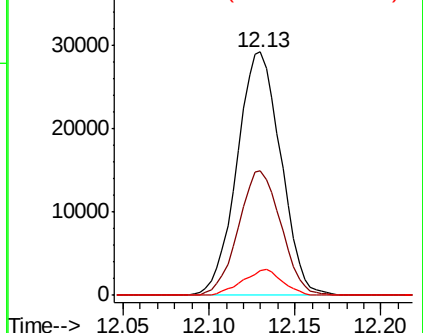
#56
Bromoform
Concen: 16.382 ug/l
RT: 12.13 min Scan# 3221
Delta R.T. 0.00 min
Lab File: VN058003.D
Acq: 13 Sep 2019 9:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion:173 Resp: 51803
Ion Ratio Lower Upper
173 100
175 49.6 38.4 57.6
254 9.6 6.9 10.3

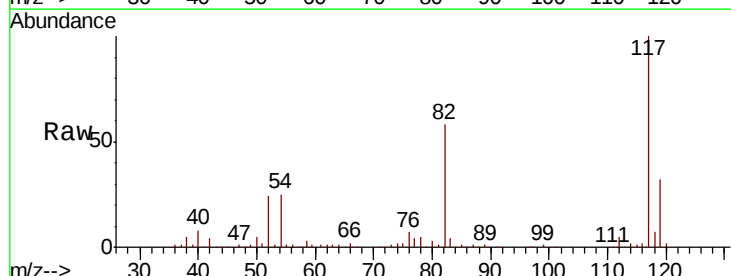


Abundance Ion 173.00 (172.70 to 173.70): V
Ion 175.00 (174.70 to 175.70): V
Ion 254.00 (253.70 to 254.70): V

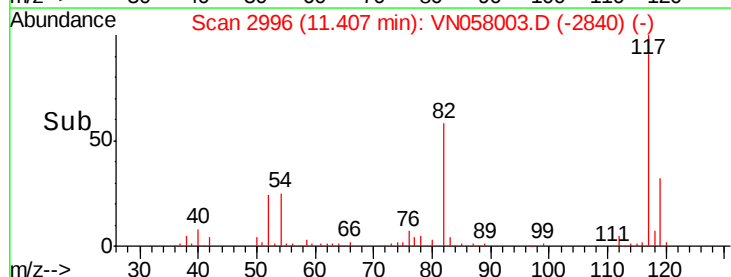
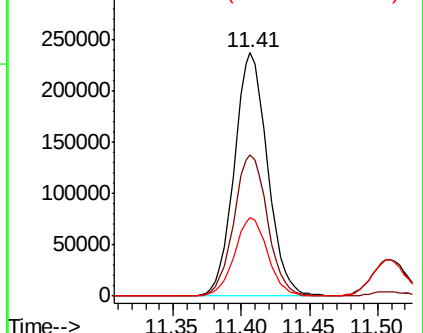


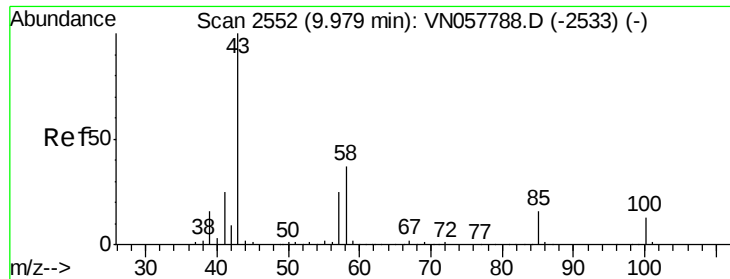
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN058003.D
Acq: 13 Sep 2019 9:12

Tgt Ion:117 Resp: 400476
Ion Ratio Lower Upper
117 100
82 58.9 47.6 71.4
119 32.2 25.4 38.2



Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): V
Ion 119.00 (118.70 to 119.70): V

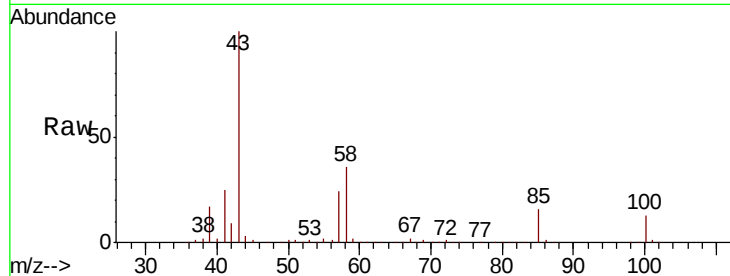




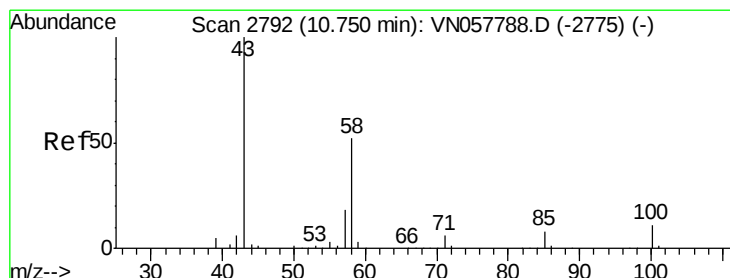
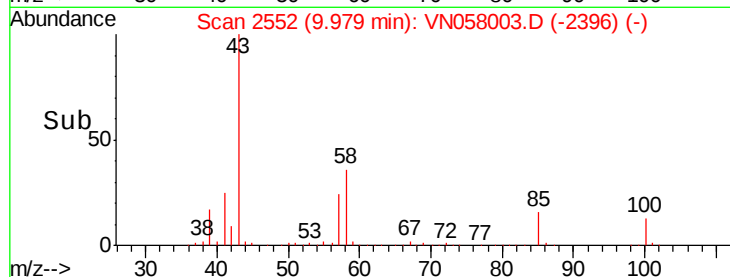
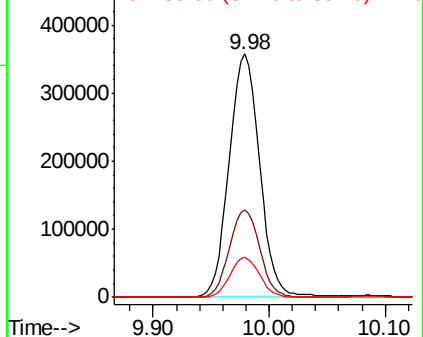
#58
 4-Methyl-2-Pentanone
 Concen: 104.270 ug/l
 RT: 9.98 min Scan# 2552
 Delta R.T. 0.00 min
 Lab File: VN058003.D
 Acq: 13 Sep 2019 9:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tgt Ion: 43 Resp: 647571
 Ion Ratio Lower Upper
 43 100
 58 36.1 29.4 44.0
 85 16.1 12.9 19.3

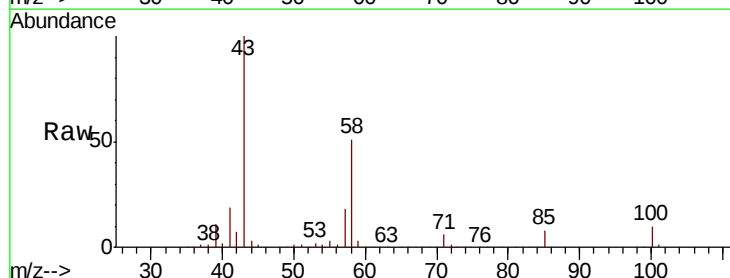


Abundance Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0
 Ion 85.00 (84.70 to 85.70): VN0

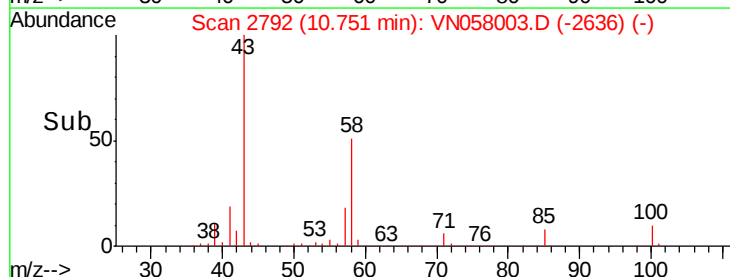
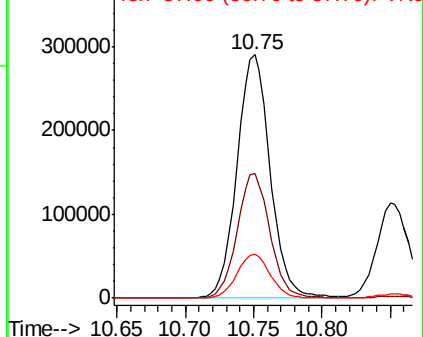


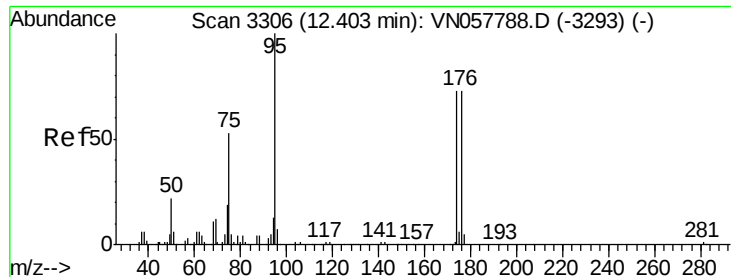
#59
 2-Hexanone
 Concen: 104.425 ug/l
 RT: 10.75 min Scan# 2792
 Delta R.T. 0.00 min
 Lab File: VN058003.D
 Acq: 13 Sep 2019 9:12

Tgt Ion: 43 Resp: 486672
 Ion Ratio Lower Upper
 43 100
 58 50.9 40.6 61.0
 57 18.1 14.5 21.7



Abundance Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0
 Ion 57.00 (56.70 to 57.70): VN0

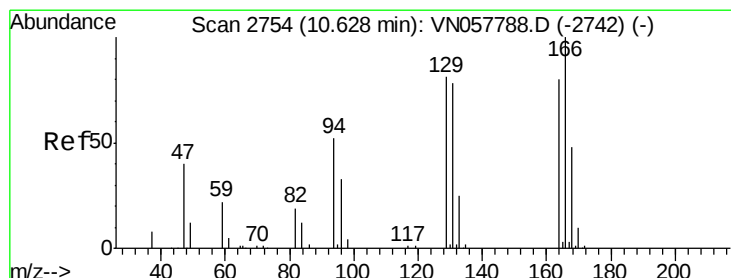
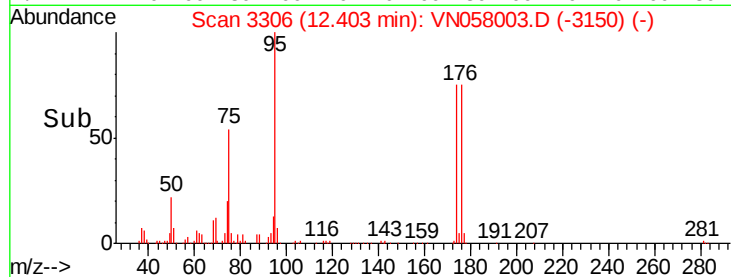
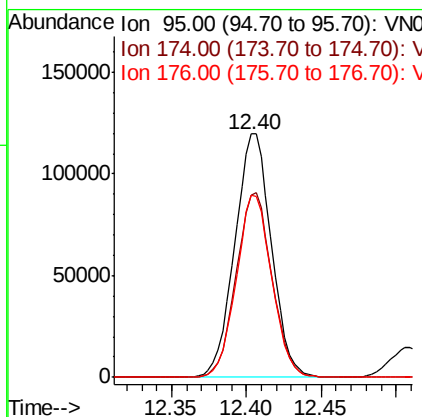
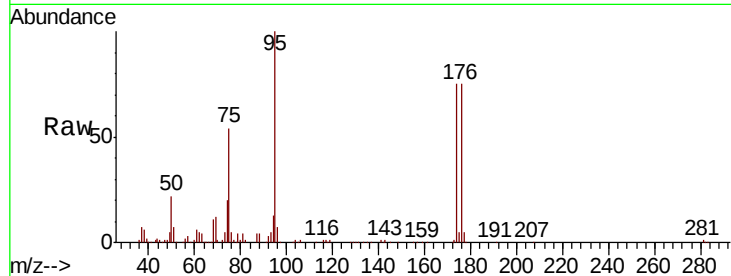




#60
4-Bromofluorobenzene
Concen: 29.703 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN058003.D
Acq: 13 Sep 2019 9:12

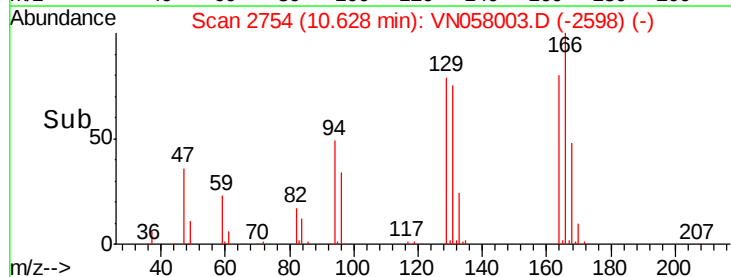
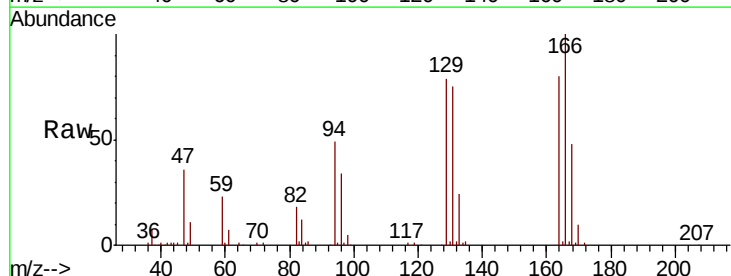
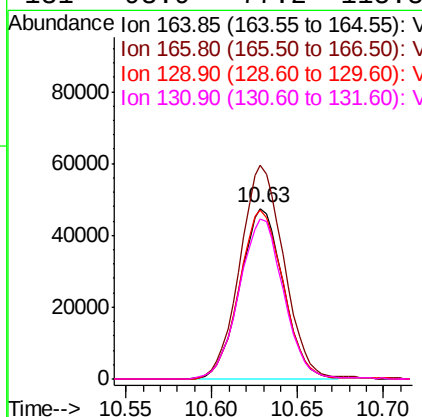
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

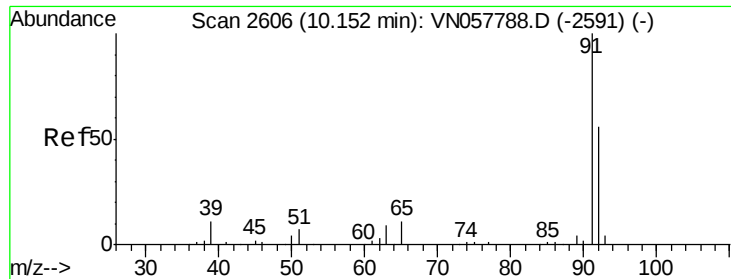
Tgt Ion: 95 Resp: 203550
Ion Ratio Lower Upper
95 100
174 74.2 59.4 89.0
176 72.6 57.4 86.0



#61
Tetrachloroethene
Concen: 20.511 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN058003.D
Acq: 13 Sep 2019 9:12

Tgt Ion: 164 Resp: 83517
Ion Ratio Lower Upper
164 100
166 125.0 99.6 149.4
129 99.0 80.9 121.3
131 93.9 77.2 115.8





#62

Toluene

Concen: 20.578 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. -0.00 min

Lab File: VN058003.D

Acq: 13 Sep 2019 9:12

Instrument :

MSVOA_N

ClientSampled :

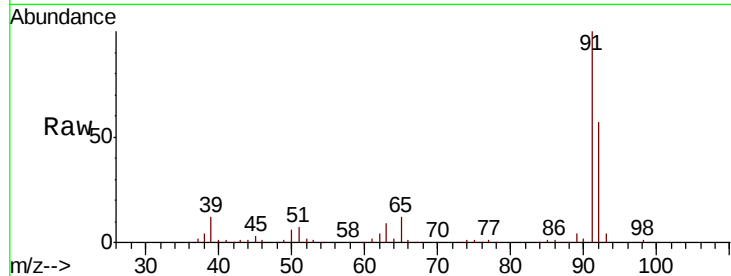
VSTDCCC020

Tgt Ion: 91 Resp: 456313

Ion Ratio Lower Upper

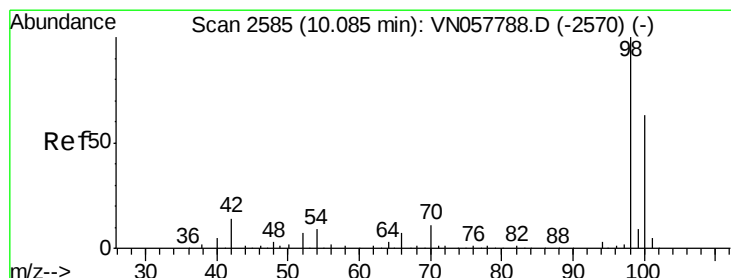
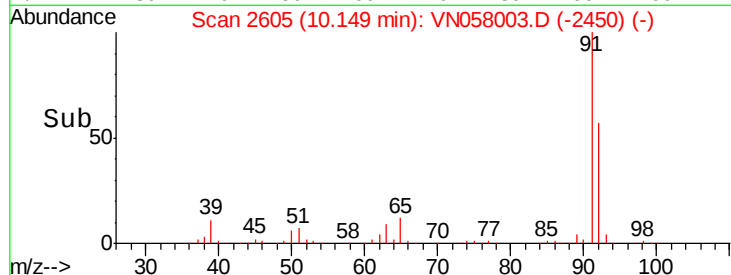
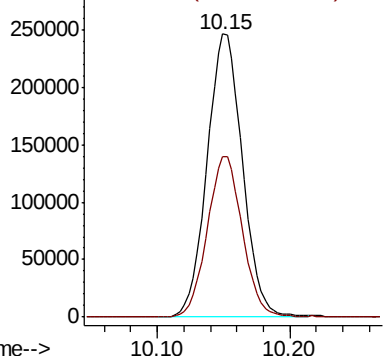
91 100

92 56.2 44.9 67.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 92.00 (91.70 to 92.70): VN0



#63

Toluene-d8

Concen: 30.023 ug/l

RT: 10.09 min Scan# 2585

Delta R.T. 0.00 min

Lab File: VN058003.D

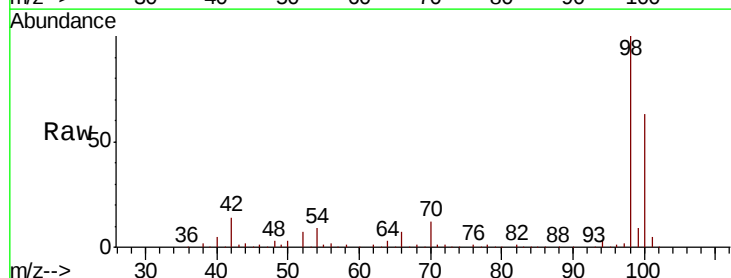
Acq: 13 Sep 2019 9:12

Tgt Ion: 98 Resp: 577113

Ion Ratio Lower Upper

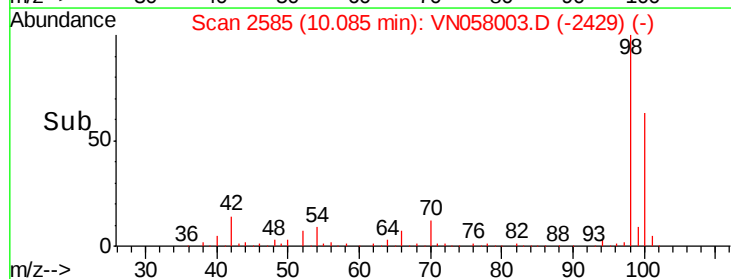
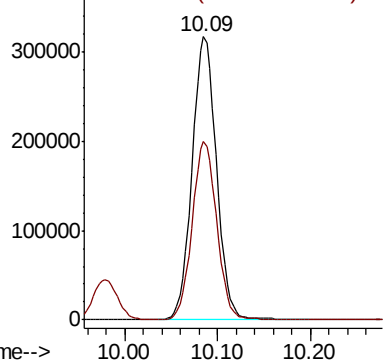
98 100

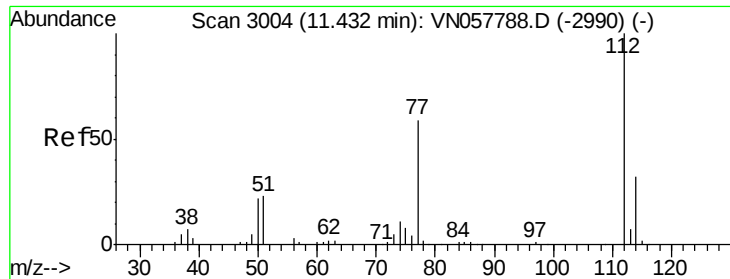
100 63.2 50.3 75.5



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0

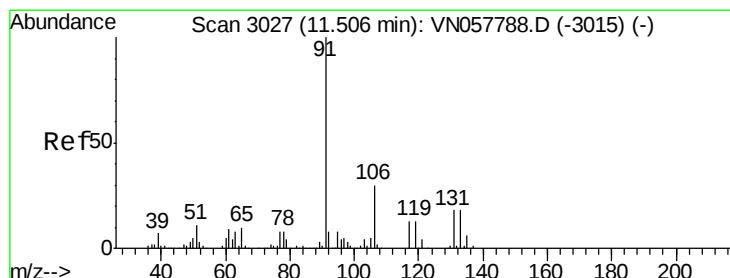
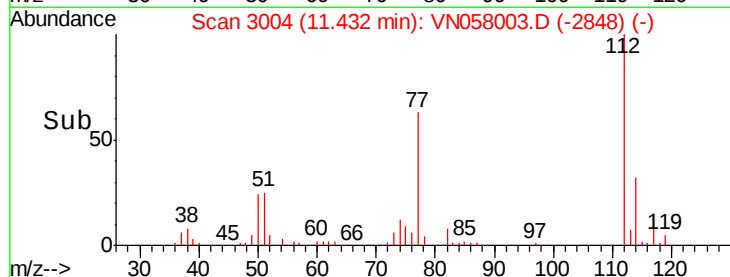
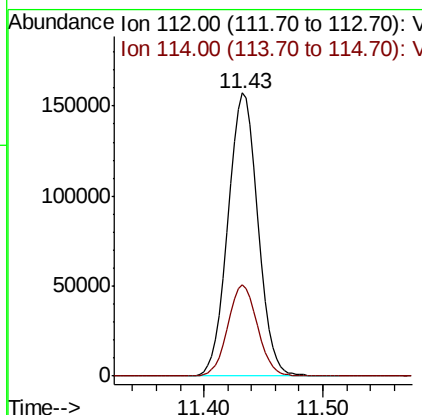
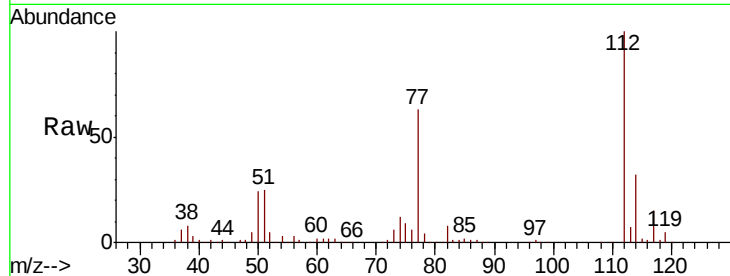




#64
Chlorobenzene
Concen: 19.978 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN058003.D
Acq: 13 Sep 2019 9:12

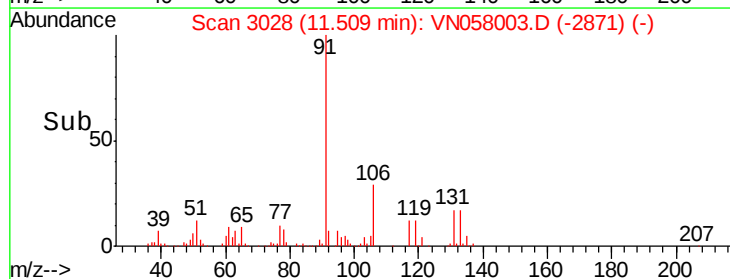
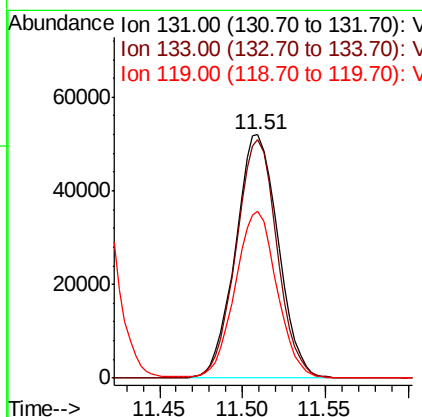
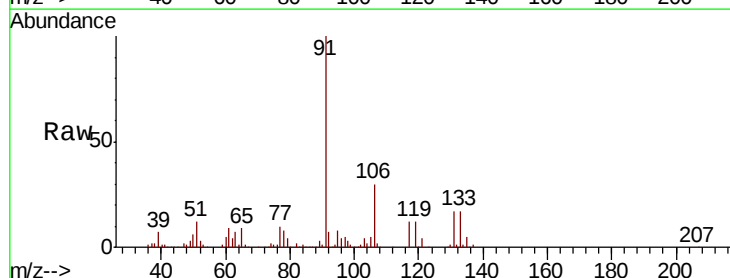
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

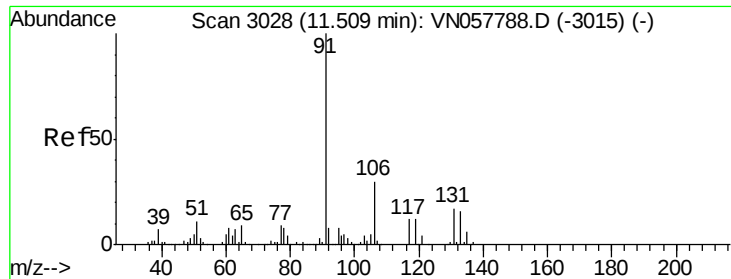
Tgt Ion:112 Resp: 274815
Ion Ratio Lower Upper
112 100
114 32.4 25.4 38.0



#65
1,1,1,2-Tetrachloroethane
Concen: 19.524 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN058003.D
Acq: 13 Sep 2019 9:12

Tgt Ion:131 Resp: 93250
Ion Ratio Lower Upper
131 100
133 94.1 0.0 189.2
119 66.8 0.0 136.4

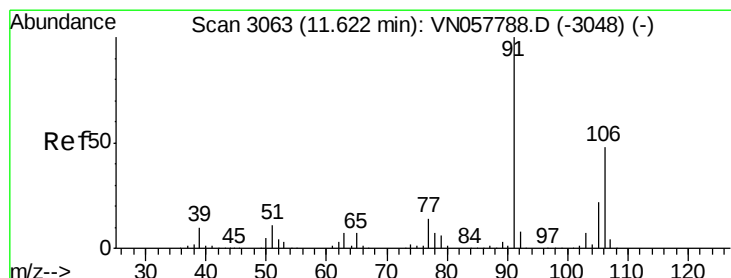
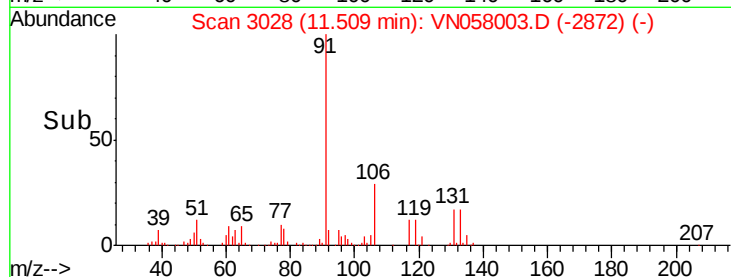
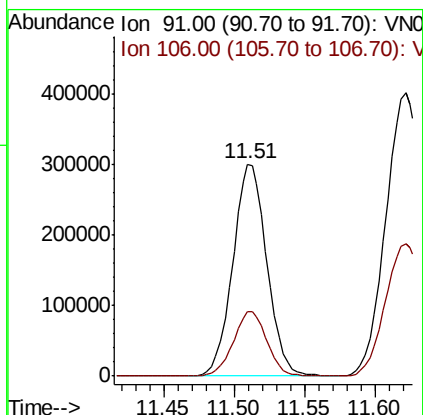
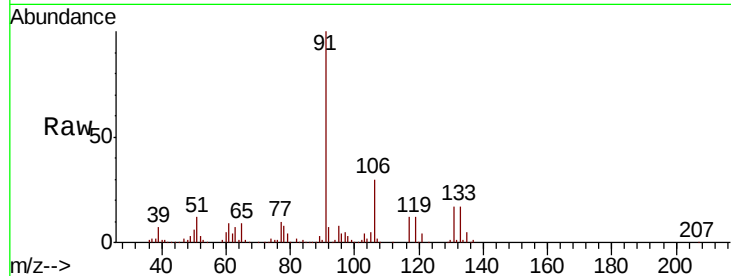




#66
Ethyl Benzene
Concen: 20.929 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN058003.D
Acq: 13 Sep 2019 9:12

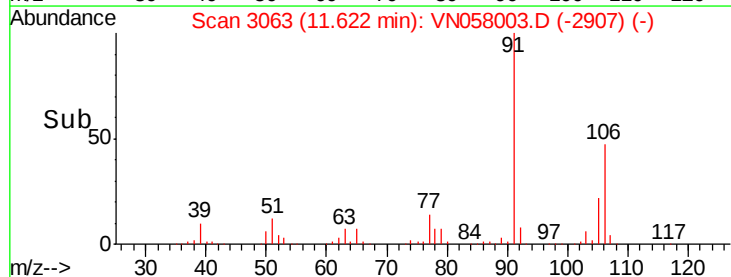
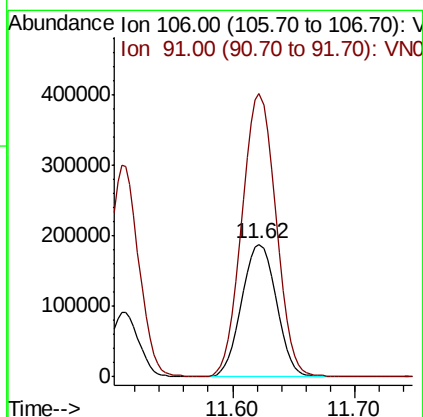
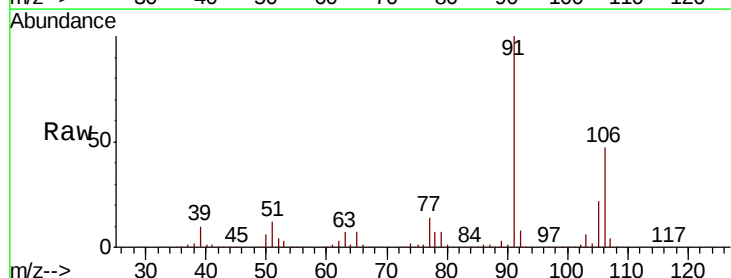
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

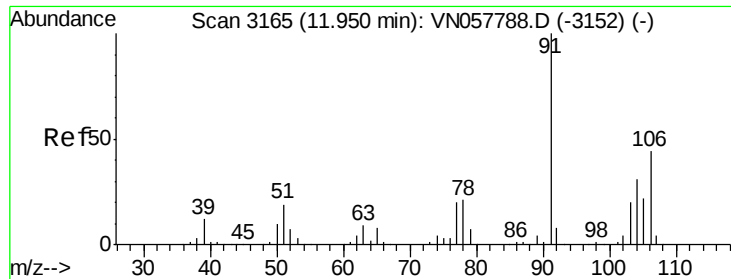
Tgt Ion: 91 Resp: 506509
Ion Ratio Lower Upper
91 100
106 30.2 24.0 36.0



#67
m/p-Xylenes
Concen: 40.134 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN058003.D
Acq: 13 Sep 2019 9:12

Tgt Ion: 106 Resp: 370717
Ion Ratio Lower Upper
106 100
91 208.6 166.1 249.1

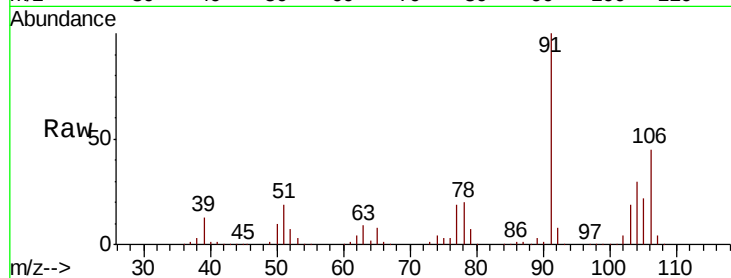




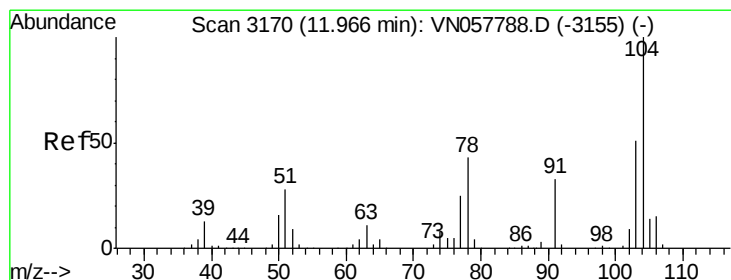
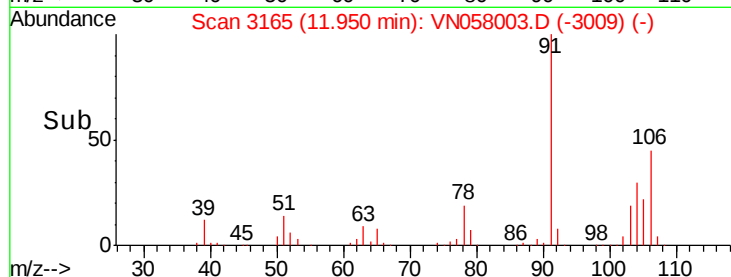
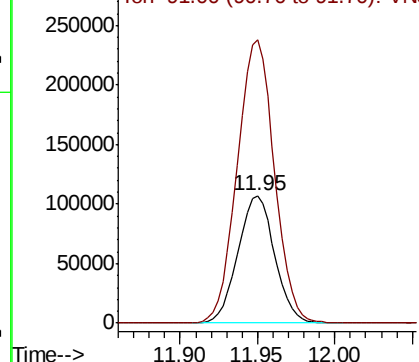
#68
o-Xylene
Concen: 19.500 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN058003.D
Acq: 13 Sep 2019 9:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion:106 Resp: 176459
Ion Ratio Lower Upper
106 100
91 225.0 111.5 334.4

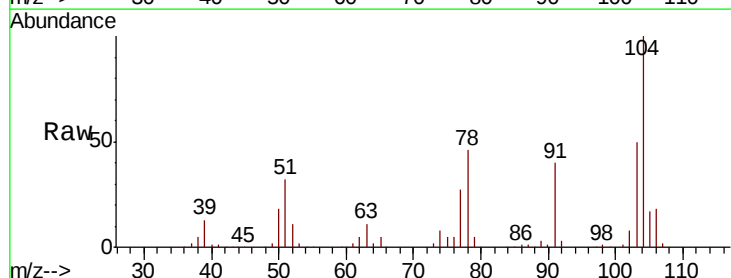


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

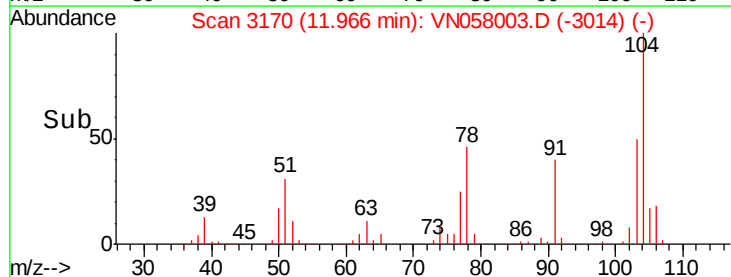
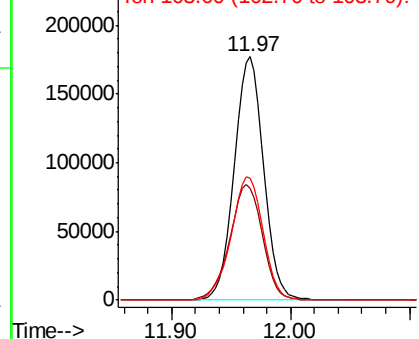


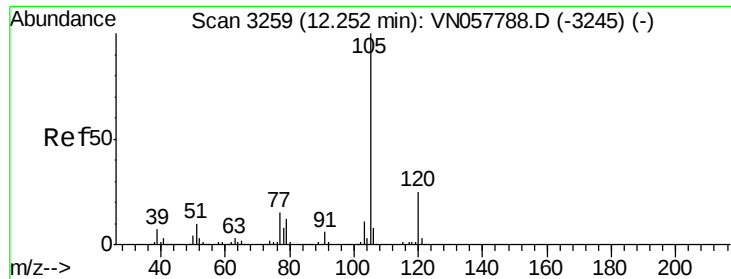
#69
Styrene
Concen: 19.656 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN058003.D
Acq: 13 Sep 2019 9:12

Tgt Ion:104 Resp: 303277
Ion Ratio Lower Upper
104 100
78 52.6 41.5 62.3
103 55.3 44.8 67.2



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





#70

Isopropylbenzene

Concen: 20.719 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN058003.D

Acq: 13 Sep 2019 9:12

Instrument :

MSVOA_N

ClientSampleId :

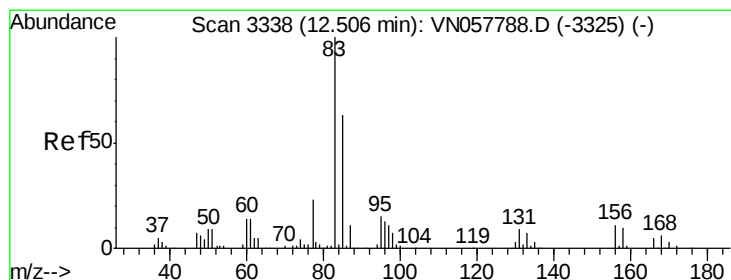
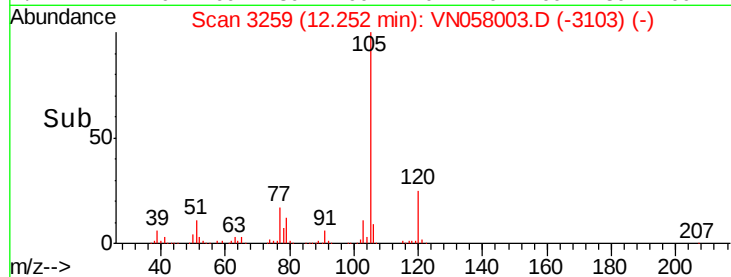
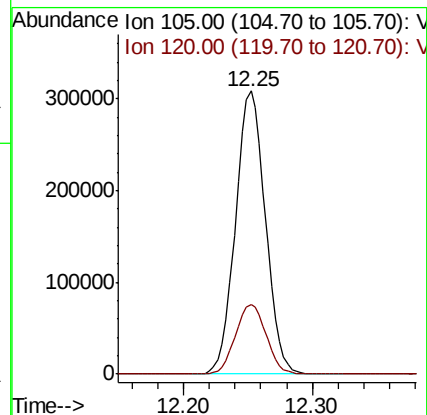
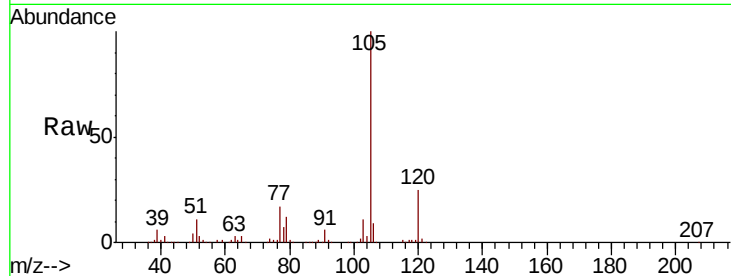
VSTDCCC020

Tgt Ion: 105 Resp: 495674

Ion Ratio Lower Upper

105 100

120 25.2 17.6 32.6



#71

1,1,2,2-Tetrachloroethane

Concen: 19.867 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN058003.D

Acq: 13 Sep 2019 9:12

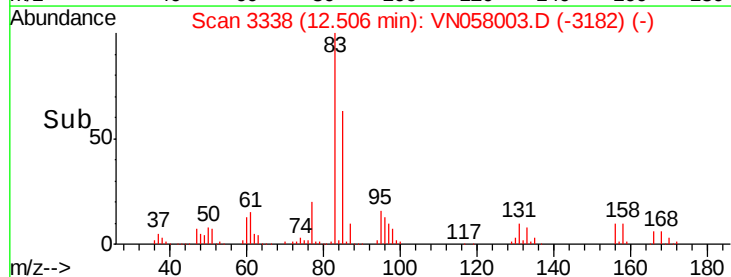
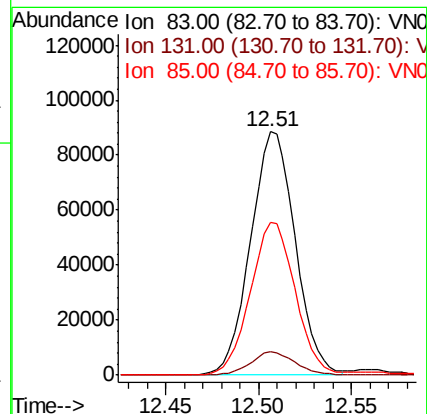
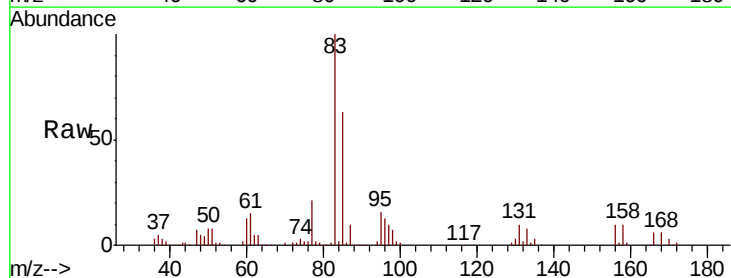
Tgt Ion: 83 Resp: 148544

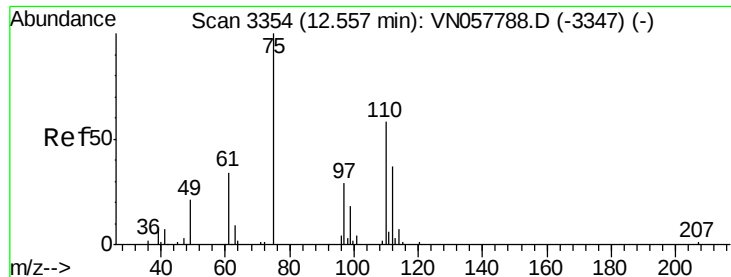
Ion Ratio Lower Upper

83 100

131 9.4 4.9 14.6

85 62.9 32.1 96.3





#72

1,2,3-Trichloropropane

Concen: 26.323 ug/l

RT: 12.56 min Scan# 3354

Delta R.T. 0.00 min

Lab File: VN058003.D

Acq: 13 Sep 2019 9:12

Instrument :

MSVOA_N

ClientSampleId :

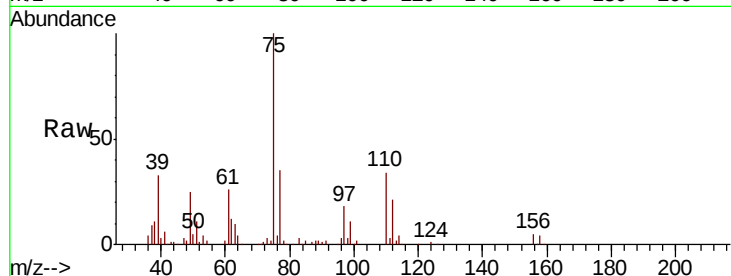
VSTDCCC020

Tgt Ion: 75 Resp: 174683

Ion Ratio Lower Upper

75 100

77 141.0 0.0 351.6



Abundance Ion 75.00 (74.70 to 75.70): VN057788.D (-3347) (-)

Ion 77.00 (76.70 to 77.70): VN057788.D (-3347) (-)

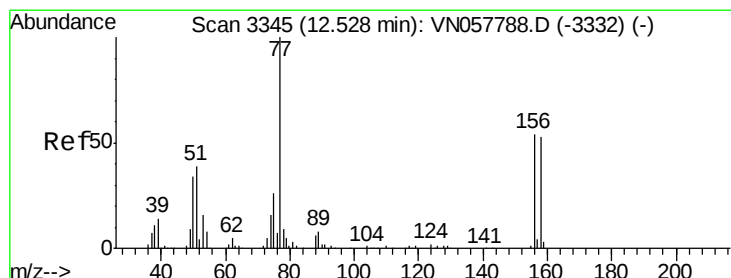
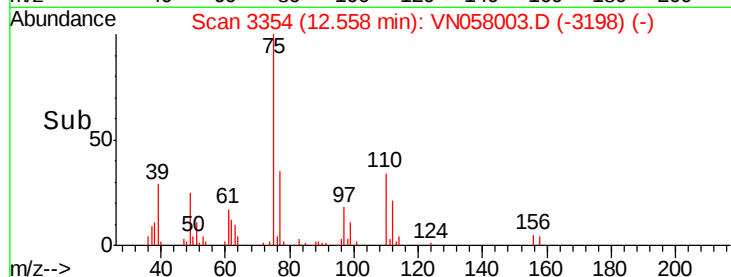
100000

50000

0

12.50 12.56

Time-->



#73

Bromobenzene

Concen: 19.553 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN058003.D

Acq: 13 Sep 2019 9:12

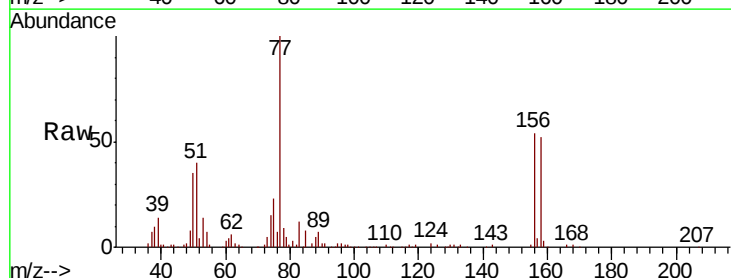
Tgt Ion: 156 Resp: 111989

Ion Ratio Lower Upper

156 100

77 220.0 0.0 446.6

158 96.8 0.0 197.2



Abundance Ion 156.00 (155.70 to 156.70): VN057788.D (-3332) (-)

Ion 77.00 (76.70 to 77.70): VN057788.D (-3332) (-)

Ion 158.00 (157.70 to 158.70): VN057788.D (-3332) (-)

150000

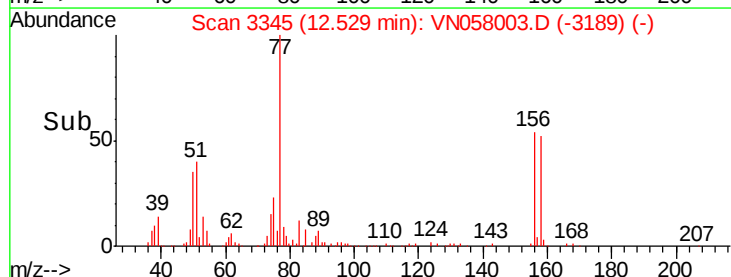
100000

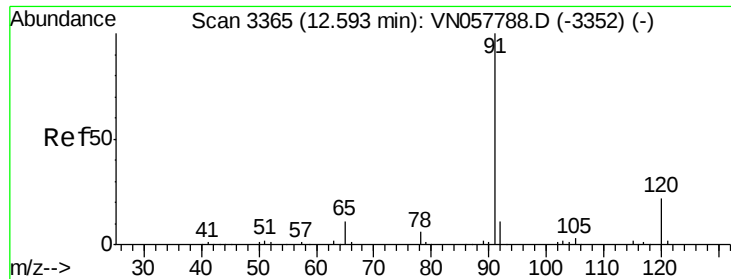
50000

0

12.45 12.50 12.53 12.55 12.60

Time-->





#74

n-propylbenzene

Concen: 21.375 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN058003.D

Acq: 13 Sep 2019 9:12

Instrument :

MSVOA_N

ClientSampleId :

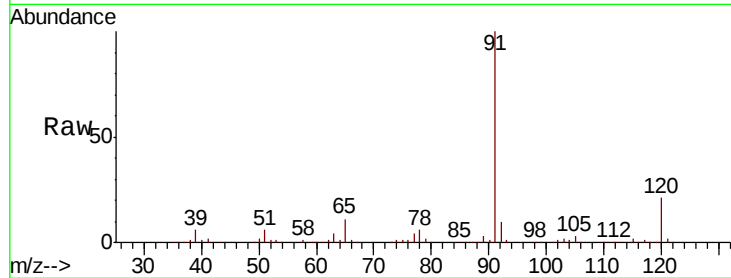
VSTDCCC020

Tgt Ion: 91 Resp: 584239

Ion Ratio Lower Upper

91 100

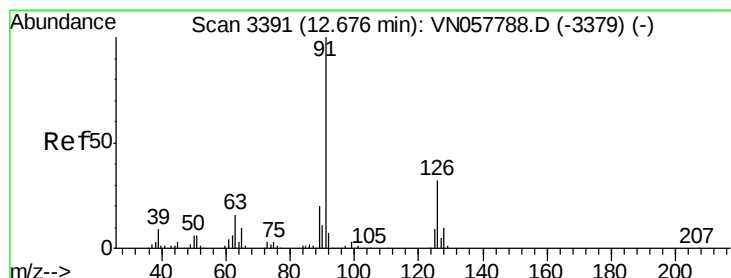
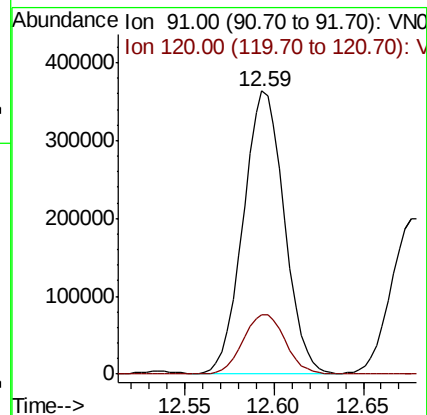
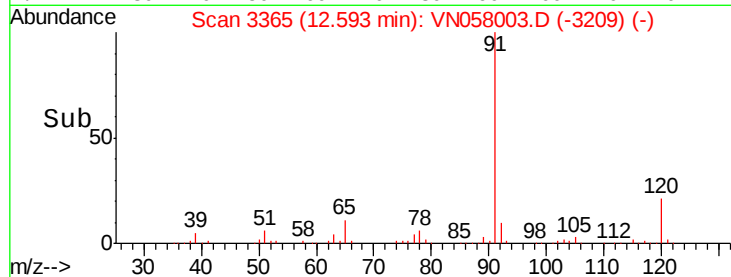
120 21.6 0.0 43.4



Abundance Ion 91.00 (90.70 to 91.70): VN057788.D (-3352) (-)

Ion 120.00 (119.70 to 120.70): VN057788.D (-3352) (-)

12.59



#75

2-Chlorotoluene

Concen: 20.192 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN058003.D

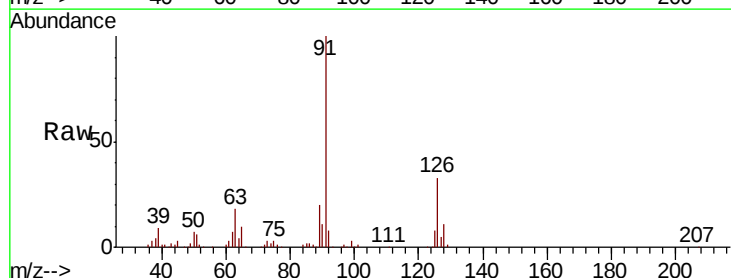
Acq: 13 Sep 2019 9:12

Tgt Ion: 91 Resp: 343768

Ion Ratio Lower Upper

91 100

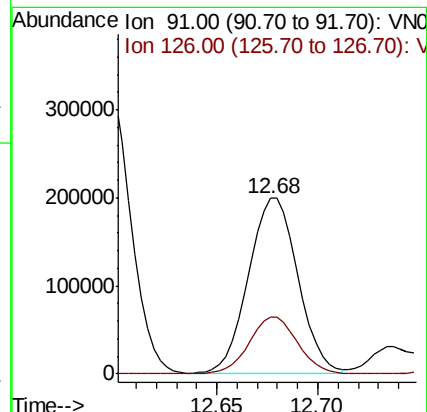
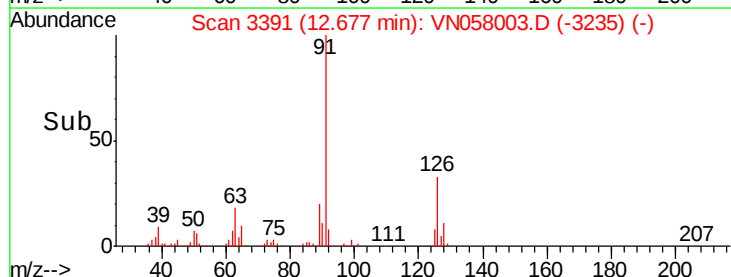
126 31.6 0.0 64.8

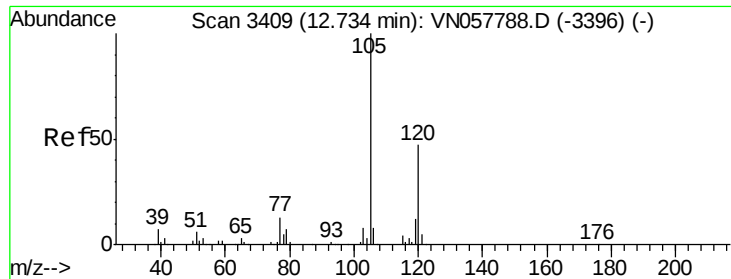


Abundance Ion 91.00 (90.70 to 91.70): VN057788.D (-3379) (-)

Ion 126.00 (125.70 to 126.70): VN057788.D (-3379) (-)

12.68

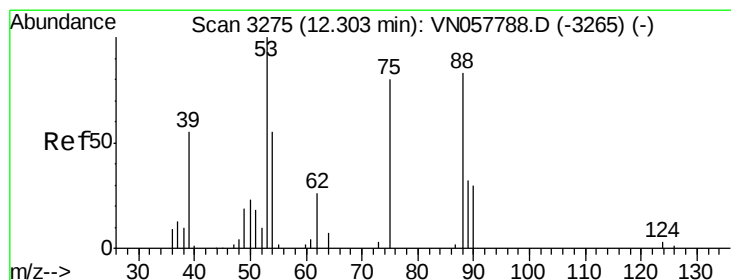
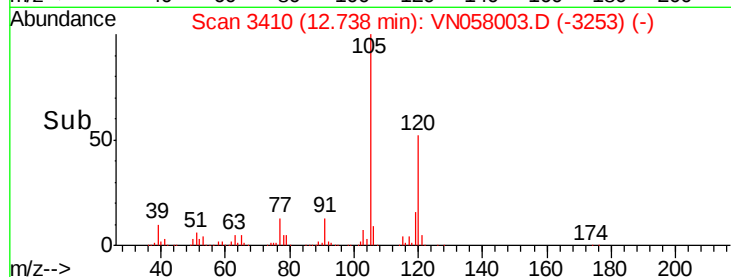
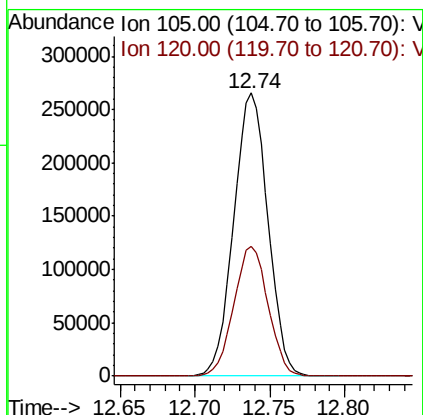
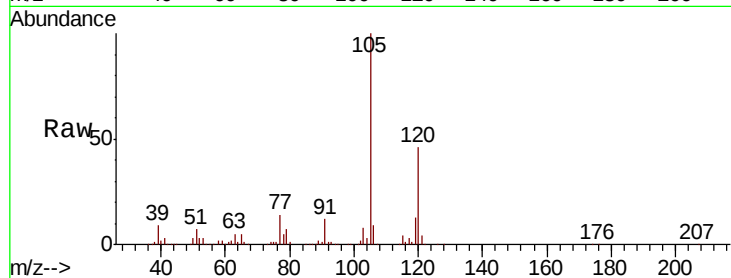




#76
 1,3,5-Trimethylbenzene
 Concen: 20.705 ug/l
 RT: 12.74 min Scan# 3410
 Delta R.T. 0.00 min
 Lab File: VN058003.D
 Acq: 13 Sep 2019 9:12

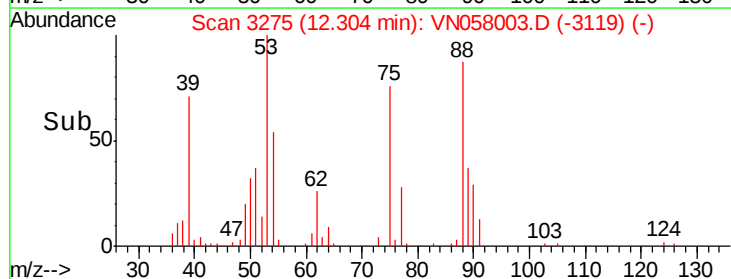
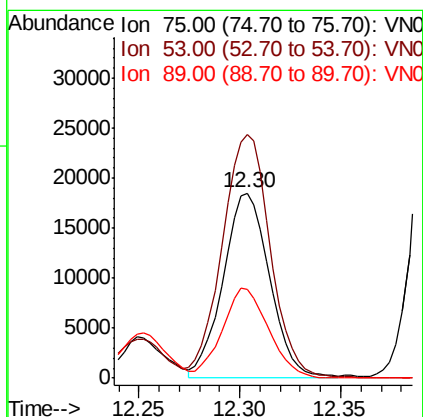
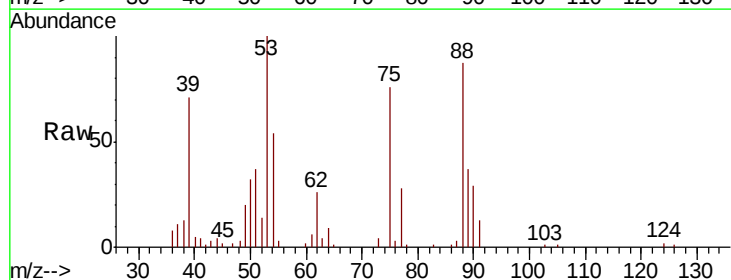
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

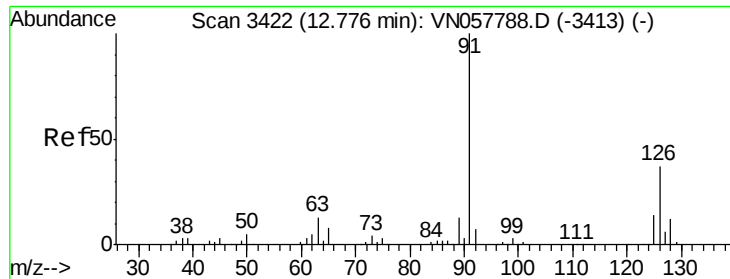
Tgt Ion: 105 Resp: 421803
 Ion Ratio Lower Upper
 105 100
 120 46.0 0.0 94.4



#77
 t-1,4-Dichloro-2-butene
 Concen: 15.212 ug/l
 RT: 12.30 min Scan# 3275
 Delta R.T. 0.00 min
 Lab File: VN058003.D
 Acq: 13 Sep 2019 9:12

Tgt Ion: 75 Resp: 29949
 Ion Ratio Lower Upper
 75 100
 53 132.3 62.7 188.2
 89 48.9 22.8 68.3





#78

4-Chlorotoluene

Concen: 20.247 ug/l

RT: 12.78 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN058003.D

Acq: 13 Sep 2019 9:12

Instrument :

MSVOA_N

ClientSampleId :

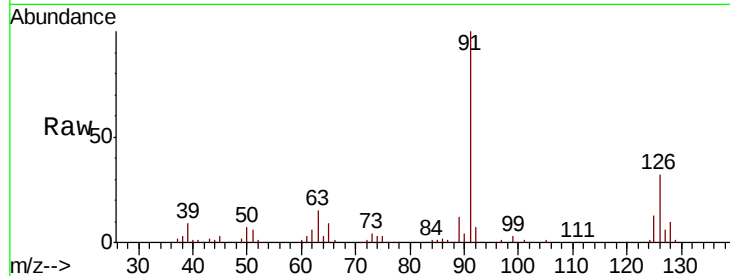
VSTDCCC020

Tgt Ion: 91 Resp: 351604

Ion Ratio Lower Upper

91 100

126 31.8 0.0 65.2



Abundance Ion 91.00 (90.70 to 91.70): VN057788.D (-3413) (-)

Ion 126.00 (125.70 to 126.70): VN057788.D (-3413) (-)

12.78

250000

200000

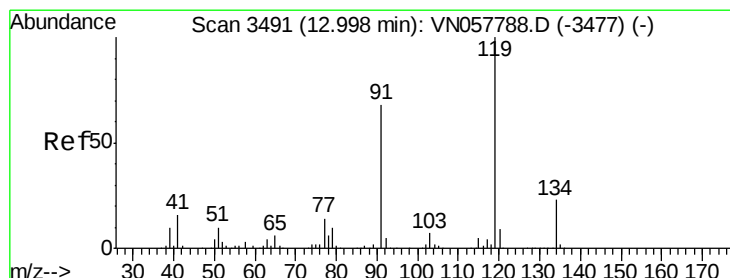
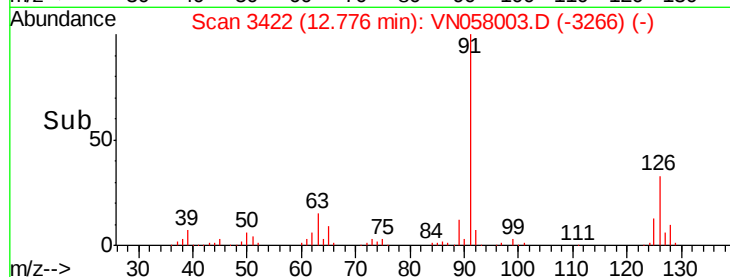
150000

100000

50000

0

Time-->



#79

tert-butylbenzene

Concen: 19.811 ug/l

RT: 13.00 min Scan# 3491

Delta R.T. 0.00 min

Lab File: VN058003.D

Acq: 13 Sep 2019 9:12

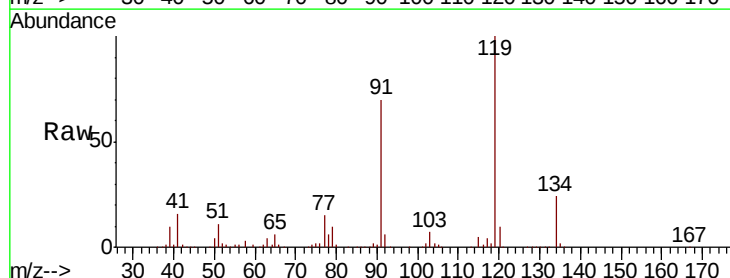
Tgt Ion: 119 Resp: 352086

Ion Ratio Lower Upper

119 100

91 69.5 0.0 133.8

134 23.6 0.0 46.4



Abundance Ion 119.00 (118.70 to 119.70): VN057788.D (-3477) (-)

Ion 91.00 (90.70 to 91.70): VN057788.D (-3477) (-)

Ion 134.00 (133.70 to 134.70): VN057788.D (-3477) (-)

13.00

250000

200000

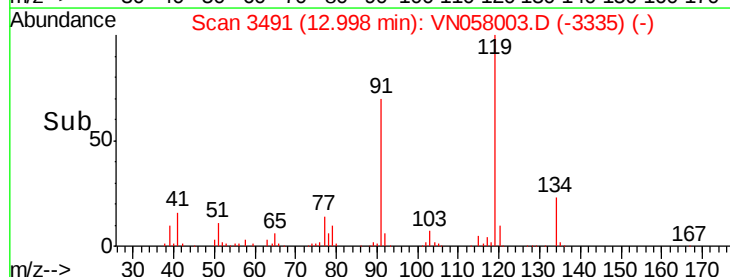
150000

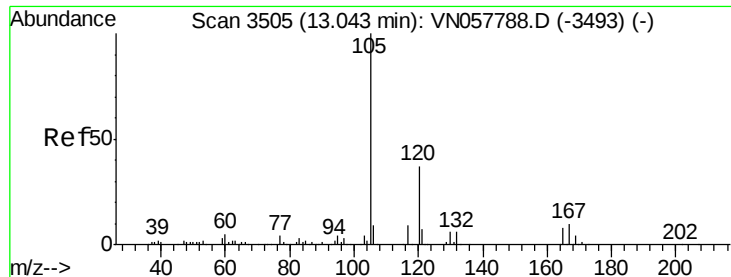
100000

50000

0

Time-->

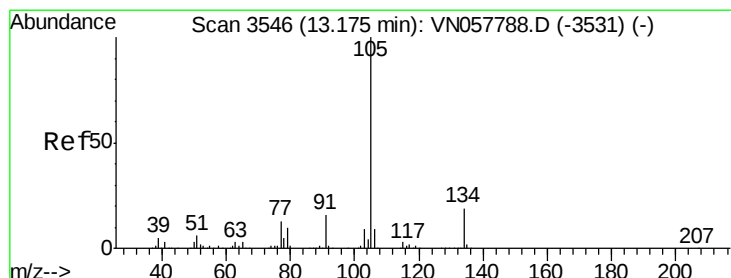
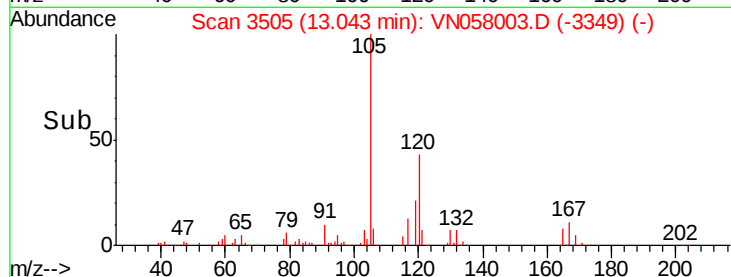
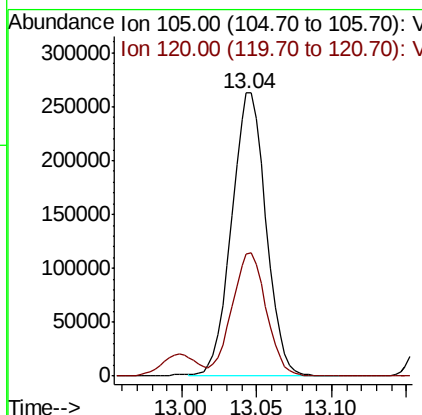
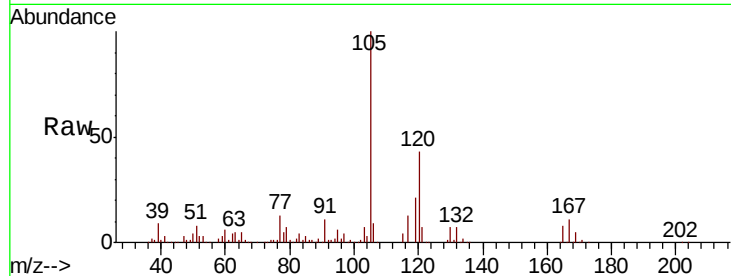




#80
 1,2,4-Trimethylbenzene
 Concen: 20.643 ug/l
 RT: 13.04 min Scan# 3505
 Delta R.T. 0.00 min
 Lab File: VN058003.D
 Acq: 13 Sep 2019 9:12

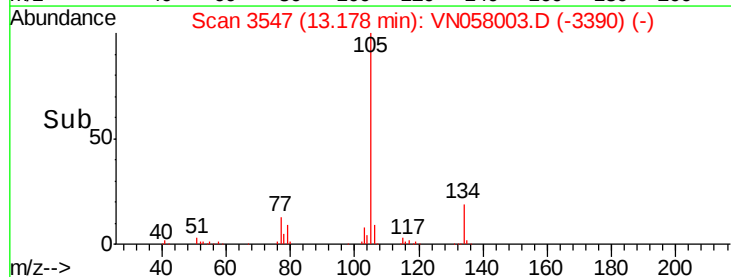
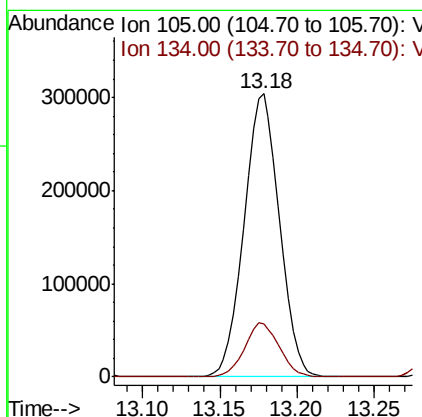
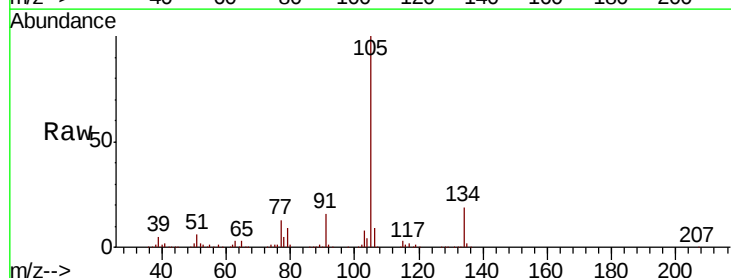
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC020

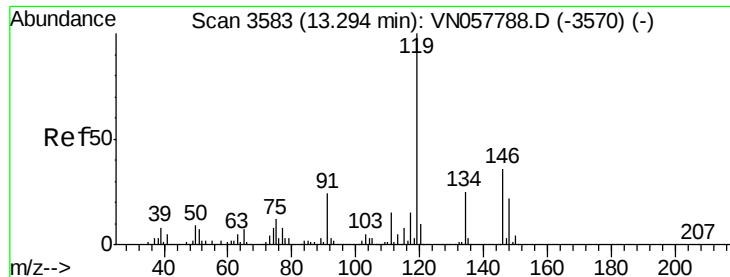
Tgt Ion:105 Resp: 419016
 Ion Ratio Lower Upper
 105 100
 120 43.3 0.0 87.8



#81
 sec-Butylbenzene
 Concen: 20.472 ug/l
 RT: 13.18 min Scan# 3547
 Delta R.T. 0.00 min
 Lab File: VN058003.D
 Acq: 13 Sep 2019 9:12

Tgt Ion:105 Resp: 482736
 Ion Ratio Lower Upper
 105 100
 134 18.8 0.0 37.6

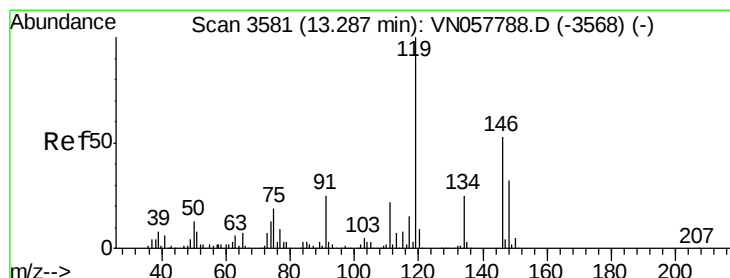
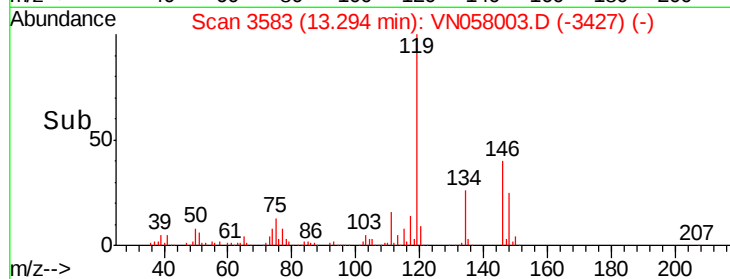
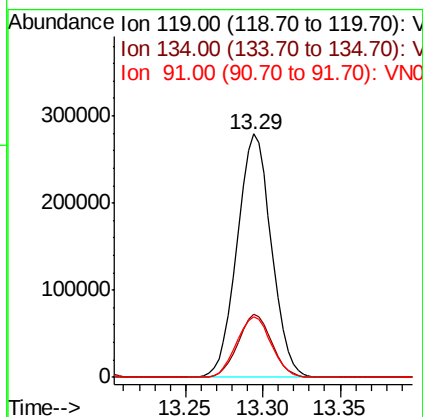
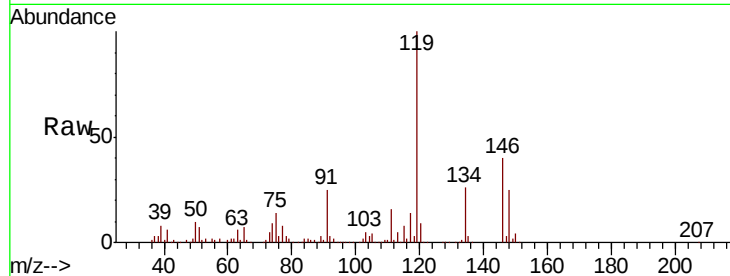




#82
p-Isopropyltoluene
Concen: 20.365 ug/l
RT: 13.29 min Scan# 3583
Delta R.T. 0.00 min
Lab File: VN058003.D
Acq: 13 Sep 2019 9:12

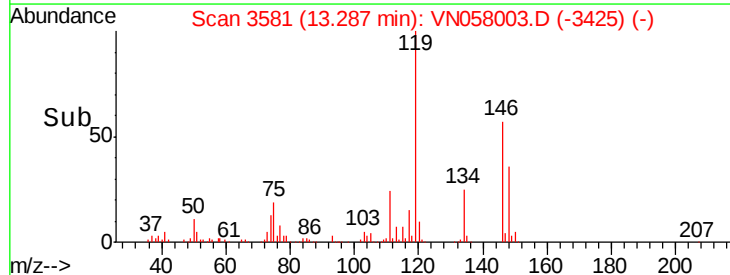
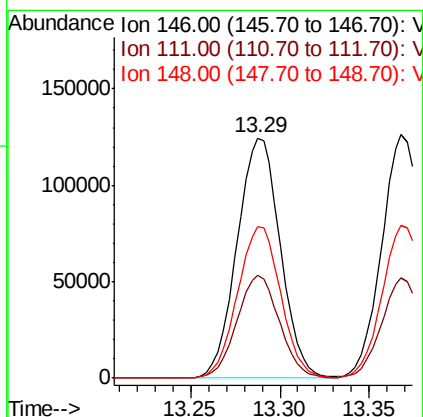
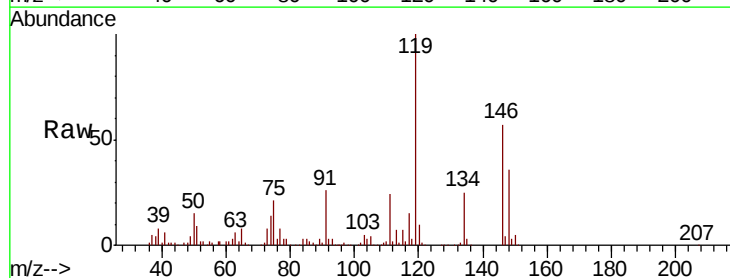
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

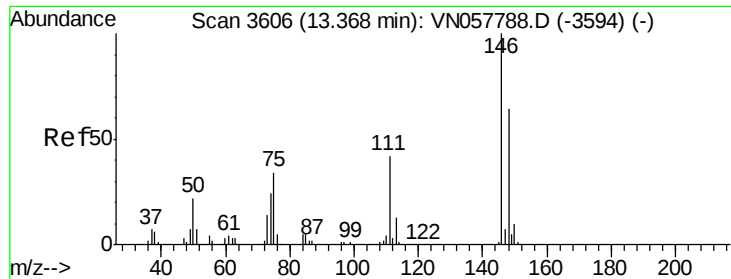
Tgt Ion:119 Resp: 430051
Ion Ratio Lower Upper
119 100
134 25.4 0.0 50.4
91 25.1 0.0 48.8



#83
1,3-Dichlorobenzene
Concen: 19.792 ug/l
RT: 13.29 min Scan# 3581
Delta R.T. 0.00 min
Lab File: VN058003.D
Acq: 13 Sep 2019 9:12

Tgt Ion:146 Resp: 210713
Ion Ratio Lower Upper
146 100
111 42.0 20.7 62.1
148 63.0 30.9 92.5





#84

1,4-Dichlorobenzene

Concen: 19.727 ug/l

RT: 13.37 min Scan# 3606

Delta R.T. 0.00 min

Lab File: VN058003.D

Acq: 13 Sep 2019 9:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

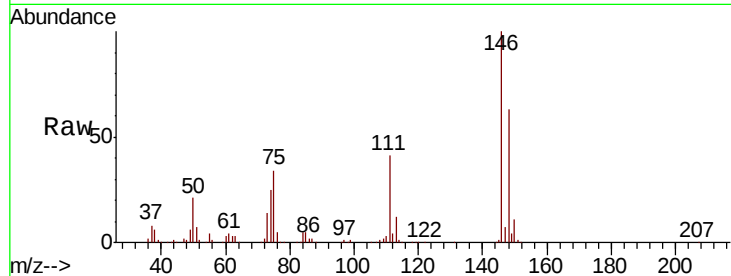
Tgt Ion: 146 Resp: 206765

Ion Ratio Lower Upper

146 100

111 40.4 21.1 63.4

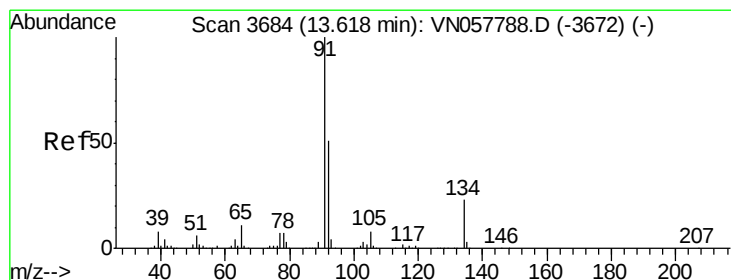
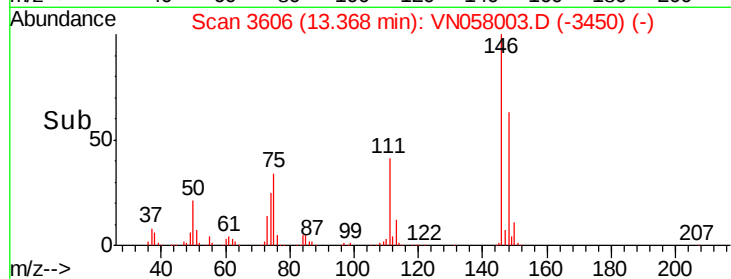
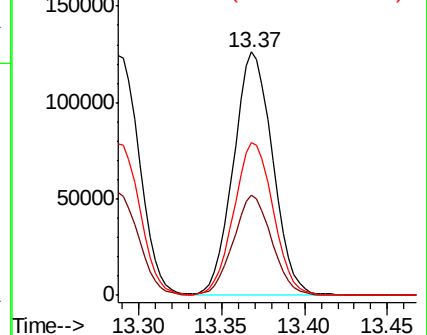
148 63.1 31.7 95.1



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#85

n-Butylbenzene

Concen: 19.938 ug/l

RT: 13.62 min Scan# 3685

Delta R.T. 0.00 min

Lab File: VN058003.D

Acq: 13 Sep 2019 9:12

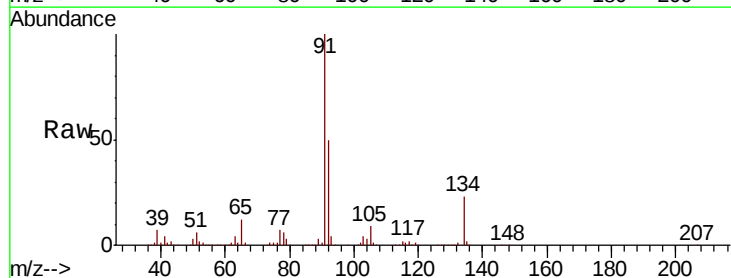
Tgt Ion: 91 Resp: 392396

Ion Ratio Lower Upper

91 100

92 50.4 0.0 100.0

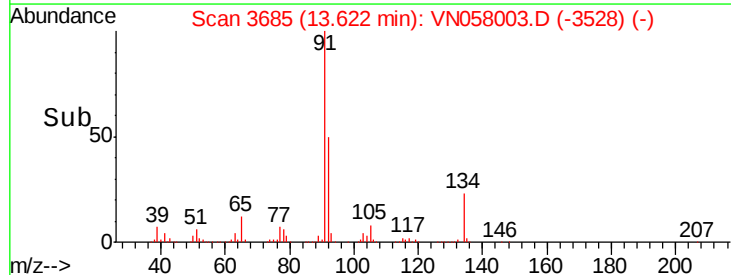
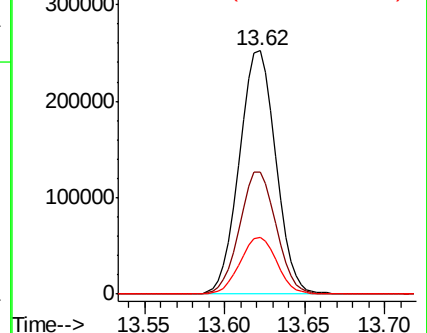
134 23.5 0.0 46.6

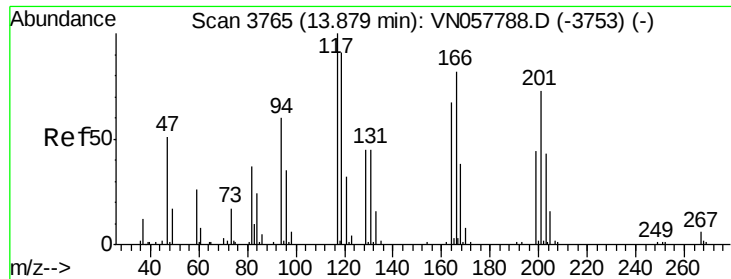


Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 92.00 (91.70 to 92.70): VN0

Ion 134.00 (133.70 to 134.70): V

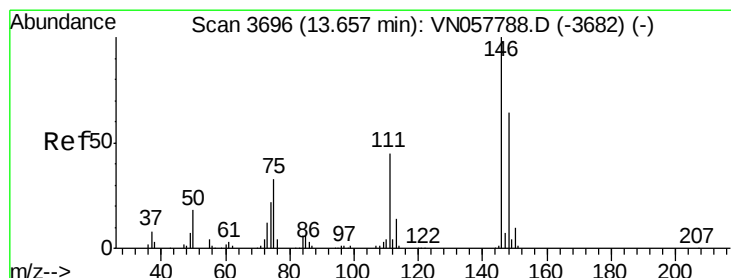
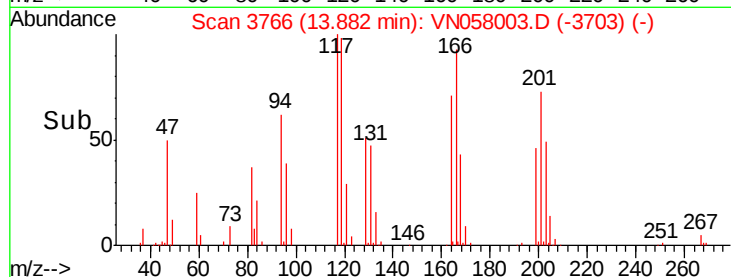
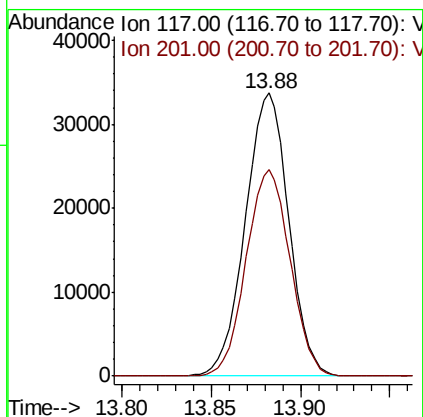
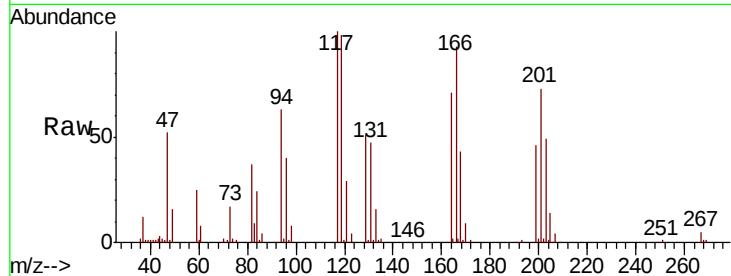




#86
Hexachloroethane
Concen: 17.077 ug/l
RT: 13.88 min Scan# 3766
Delta R.T. 0.00 min
Lab File: VN058003.D
Acq: 13 Sep 2019 9:12

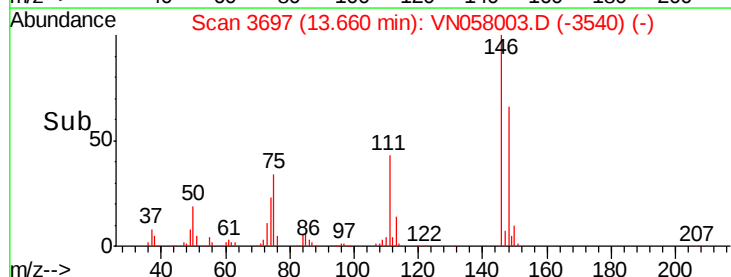
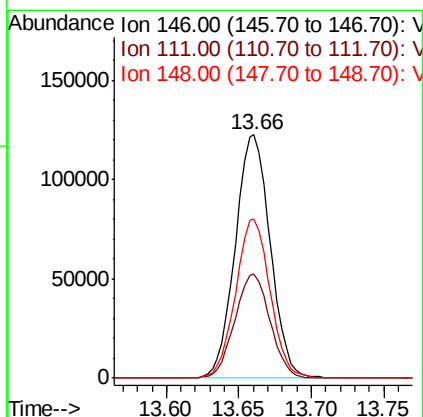
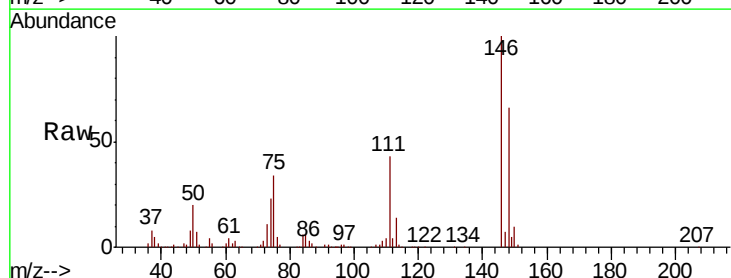
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

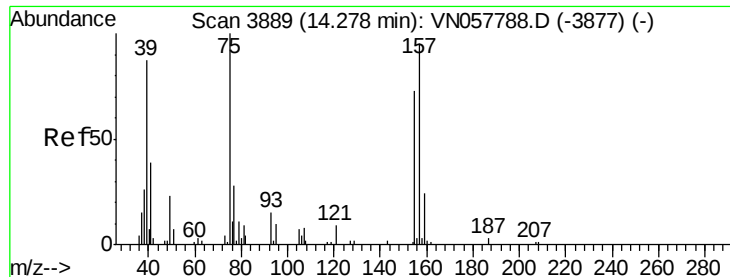
Tgt Ion:117 Resp: 57442
Ion Ratio Lower Upper
117 100
201 73.8 36.7 110.1



#87
1,2-Dichlorobenzene
Concen: 19.909 ug/l
RT: 13.66 min Scan# 3697
Delta R.T. 0.00 min
Lab File: VN058003.D
Acq: 13 Sep 2019 9:12

Tgt Ion:146 Resp: 205748
Ion Ratio Lower Upper
146 100
111 43.1 22.2 66.6
148 64.3 32.1 96.3





#88

1,2-Dibromo-3-Chloropropane

Concen: 16.807 ug/l

RT: 14.28 min Scan# 3889

Delta R.T. 0.00 min

Lab File: VN058003.D

Acq: 13 Sep 2019 9:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

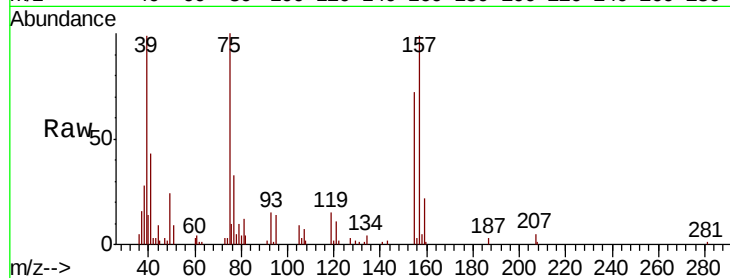
Tgt Ion: 75 Resp: 22126

Ion Ratio Lower Upper

75 100

155 77.4 59.4 89.2

157 96.8 74.6 112.0



Abundance Ion 75.00 (74.70 to 75.70): VN057788.D (-3877) (-)

Ion 155.00 (154.70 to 155.70): VN057788.D (-3877) (-)

Ion 157.00 (156.70 to 157.70): VN057788.D (-3877) (-)

14.28

15000

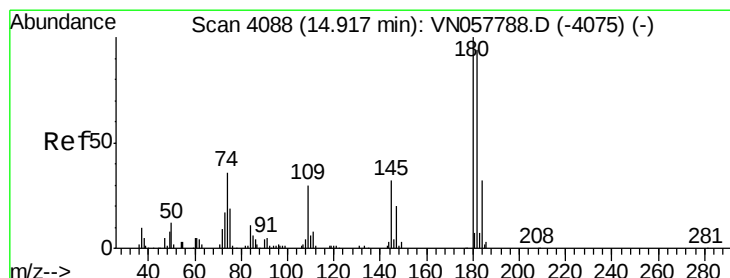
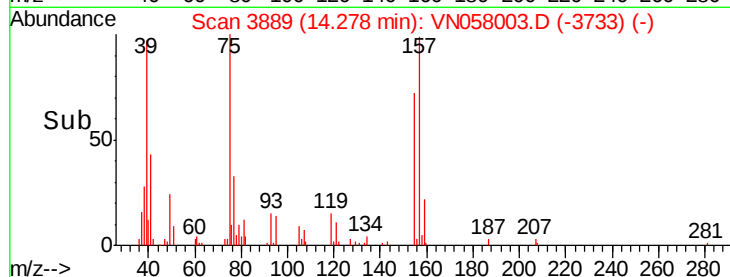
10000

5000

0

14.25 14.30

Time-->



#89

1,2,4-Trichlorobenzene

Concen: 19.152 ug/l

RT: 14.92 min Scan# 4088

Delta R.T. 0.00 min

Lab File: VN058003.D

Acq: 13 Sep 2019 9:12

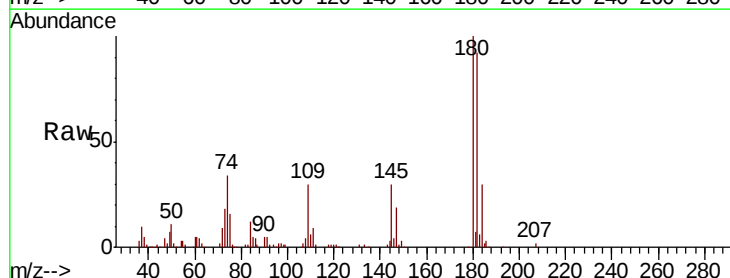
Tgt Ion: 180 Resp: 120904

Ion Ratio Lower Upper

180 100

182 94.7 77.0 115.4

145 30.6 26.1 39.1



Abundance Ion 180.00 (179.70 to 180.70): VN057788.D (-4075) (-)

Ion 182.00 (181.70 to 182.70): VN057788.D (-4075) (-)

Ion 145.00 (144.70 to 145.70): VN057788.D (-4075) (-)

14.92

100000

80000

60000

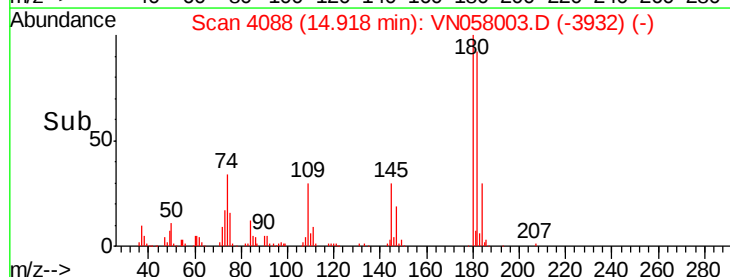
40000

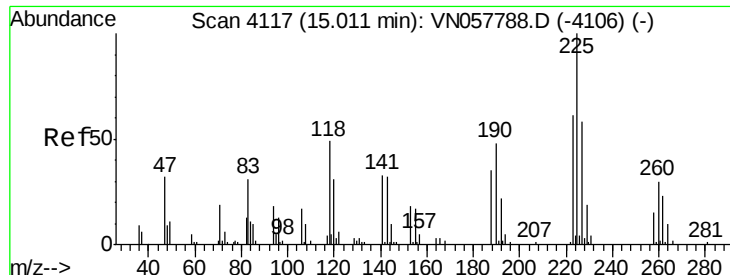
20000

0

14.85 14.90 14.95

Time-->





#90

Hexachlorobutadiene

Concen: 19.239 ug/l

RT: 15.01 min Scan# 4118

Delta R.T. 0.00 min

Lab File: VN058003.D

Acq: 13 Sep 2019 9:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

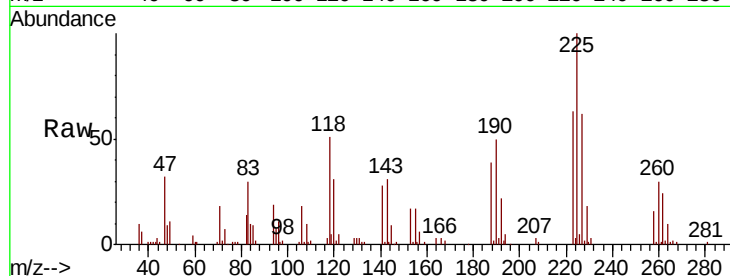
Tgt Ion: 225 Resp: 55778

Ion Ratio Lower Upper

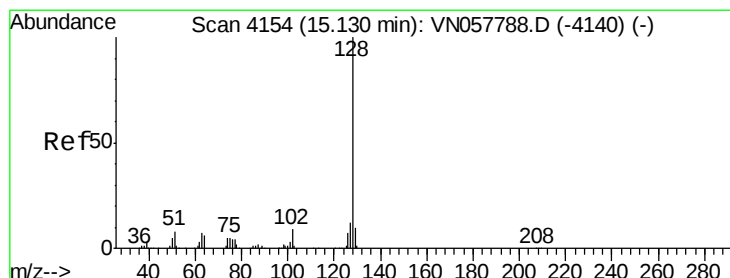
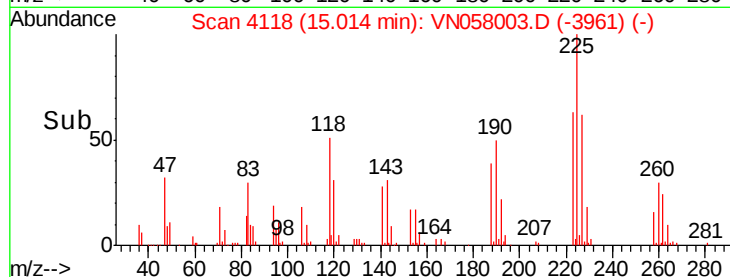
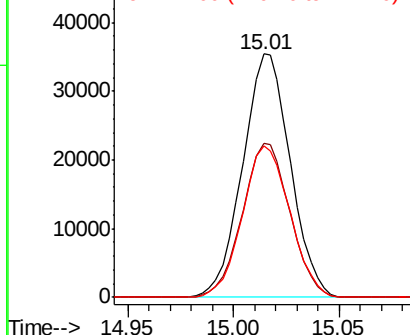
225 100

223 62.9 0.0 125.0

227 61.9 0.0 123.8



Abundance Ion 225.00 (224.70 to 225.70): V
Ion 223.00 (222.70 to 223.70): V
Ion 227.00 (226.70 to 227.70): V



#91

Naphthalene

Concen: 18.169 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN058003.D

Acq: 13 Sep 2019 9:12

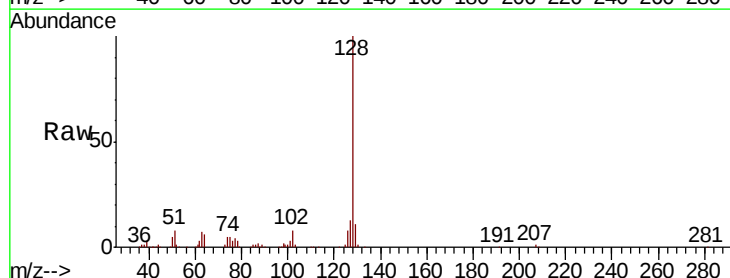
Tgt Ion: 128 Resp: 315598

Ion Ratio Lower Upper

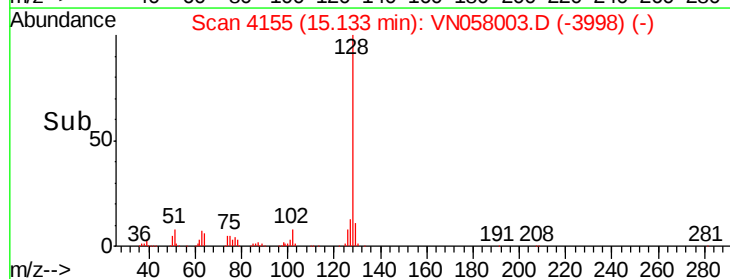
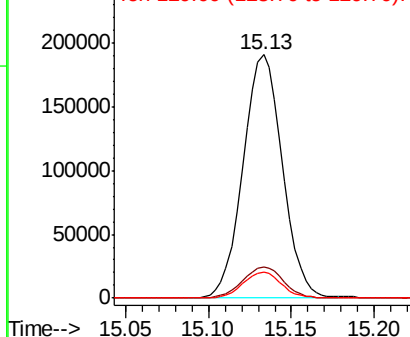
128 100

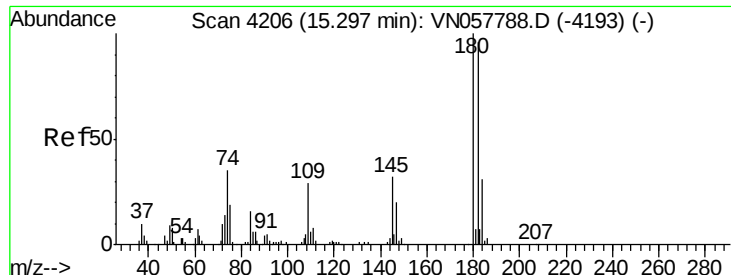
127 13.4 9.9 14.9

129 10.5 8.1 12.1



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

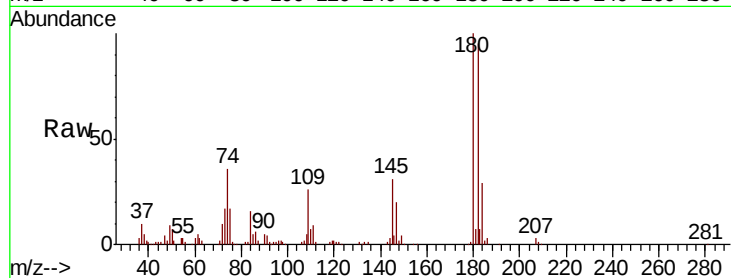




#92
 1,2,3-Trichlorobenzene
 Concen: 19.358 ug/l
 RT: 15.30 min Scan# 4207
 Delta R.T. 0.00 min
 Lab File: VN058003.D
 Acq: 13 Sep 2019 9:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.9	0.0	189.8
145	31.2	0.0	65.0



Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

