

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN081819\
 Data File : VN057383.D
 Acq On : 17 Aug 2019 3:17
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Aug 17 03:51:11 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081519W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 15 11:33:14 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	826165	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1233080	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1132458	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	460565	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.02	65	441358	49.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.28%	
35) Dibromofluoromethane	7.58	113	403612	49.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.86%	
50) Toluene-d8	10.09	98	1485920	50.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.52%	
62) 4-Bromofluorobenzene	12.40	95	511663	48.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.94%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.85	85	317294	44.632	ug/l	98
3) Chloromethane	2.05	50	377949	45.041	ug/l	99
4) Vinyl Chloride	2.18	62	355422	45.022	ug/l	98
5) Bromomethane	2.53	94	259817	46.171	ug/l	100
6) Chloroethane	2.69	64	251691	46.350	ug/l	98
7) Trichlorofluoromethane	3.01	101	589493	47.606	ug/l	99
8) Diethyl Ether	3.40	74	227222	48.754	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.75	101	342491	47.076	ug/l	98
10) Methyl Iodide	3.95	142	601922	51.761	ug/l	99
11) Tert butyl alcohol	4.76	59	307400	240.754	ug/l	100
12) 1,1-Dichloroethene	3.73	96	346438	47.793	ug/l	97
13) Acrolein	3.60	56	134376	173.362	ug/l	98
14) Allyl chloride	4.31	41	529085	45.535	ug/l	99
15) Acrylonitrile	4.97	53	854194	246.417	ug/l	100
16) Acetone	3.80	43	655179	210.290	ug/l	99
17) Carbon Disulfide	4.05	76	878402	44.980	ug/l	100
18) Methyl Acetate	4.31	43	423287	50.889	ug/l	99
19) Methyl tert-butyl Ether	5.03	73	1130059	49.684	ug/l	99
20) Methylene Chloride	4.54	84	408653	46.879	ug/l	98
21) trans-1,2-Dichloroethene	5.03	96	370657	47.550	ug/l	97
22) Diisopropyl ether	5.93	45	1095315	47.719	ug/l	99
23) Vinyl Acetate	5.88	43	4368494	236.479	ug/l	98
24) 1,1-Dichloroethane	5.83	63	679365	48.108	ug/l	100
25) 2-Butanone	6.82	43	1045356	231.698	ug/l	97
26) 2,2-Dichloropropane	6.81	77	406151	35.588	ug/l	99
27) cis-1,2-Dichloroethene	6.82	96	442655	47.966	ug/l	96
28) Bromochloromethane	7.18	49	310494	49.485	ug/l #	95
29) Tetrahydrofuran	7.20	42	672394	235.495	ug/l	98
30) Chloroform	7.36	83	704448	47.602	ug/l	99
31) Cyclohexane	7.64	56	541646	44.260	ug/l	97
32) 1,1,1-Trichloroethane	7.56	97	626914	50.366	ug/l	99
36) 1,1-Dichloropropene	7.78	75	508918	46.744	ug/l	99
37) Ethyl Acetate	6.91	43	435728	48.864	ug/l	99
38) Carbon Tetrachloride	7.77	117	552678	48.858	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	575604	45.277	ug/l	99
40) Benzene	8.03	78	1570205	47.153	ug/l	100
41) Methacrylonitrile	7.20	41	619229	154.202	ug/l #	100
42) 1,2-Dichloroethane	8.12	62	519671	47.151	ug/l	100
43) Isopropyl Acetate	8.15	43	914520	56.220	ug/l	95
44) Trichloroethene	8.83	130	453441	48.433	ug/l	97
45) 1,2-Dichloropropane	9.11	63	409453	47.703	ug/l	100
46) Dibromomethane	9.20	93	277055	48.383	ug/l	99
47) Bromodichloromethane	9.40	83	553531	48.788	ug/l	100
48) Methyl methacrylate	9.19	41	355505	48.414	ug/l	99
49) 1,4-Dioxane	9.19	88	152292	986.208	ug/l	99
51) 4-Methyl-2-Pentanone	9.98	43	2196277	238.742	ug/l	100
52) Toluene	10.15	92	1014613	48.951	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	579668	47.234	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	632927	46.770	ug/l	100
55) 1,1,2-Trichloroethane	10.56	97	397660	48.791	ug/l	98
56) Ethyl methacrylate	10.43	69	602729	50.675	ug/l	99
57) 1,3-Dichloropropane	10.70	76	654905	48.100	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	715450	206.087	ug/l	99
59) 2-Hexanone	10.75	43	1565179	236.659	ug/l	98
60) Dibromochloromethane	10.90	129	460244	50.391	ug/l	100
61) 1,2-Dibromoethane	11.00	107	426573	49.133	ug/l	100
64) Tetrachloroethene	10.63	164	464404	47.437	ug/l	99
65) Chlorobenzene	11.43	112	1121485	48.555	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	442789	50.058	ug/l	99
67) Ethyl Benzene	11.51	91	1935298	47.893	ug/l	99
68) m/p-Xylenes	11.62	106	1454775	97.713	ug/l	99
69) o-Xylene	11.95	106	717435	49.078	ug/l	100
70) Styrene	11.96	104	1192641	51.182	ug/l	99
71) Bromoform	12.13	173	365804	52.420	ug/l	99
73) Isopropylbenzene	12.25	105	1916847	52.507	ug/l	98
74) N-amyl acetate	12.07	43	584298	43.720	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	542085	53.241	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	662186	73.901	ug/l #	100
77) Bromobenzene	12.53	156	513689	52.127	ug/l	98
78) n-propylbenzene	12.59	91	1982906	44.709	ug/l	99
79) 2-Chlorotoluene	12.67	91	1248295	51.555	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	1600625	51.655	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	160747	42.559	ug/l	98
82) 4-Chlorotoluene	12.77	91	1186191	45.134	ug/l	99
83) tert-Butylbenzene	12.99	119	1426118	52.499	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	1531318	46.161	ug/l	99
85) sec-Butylbenzene	13.17	105	1737977	49.877	ug/l	99
86) p-Isopropyltoluene	13.29	119	1530784	45.072	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	764825	47.396	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	710031	46.352	ug/l	100
89) n-Butylbenzene	13.62	91	1146186	47.339	ug/l	100
90) Hexachloroethane	13.88	117	307754	53.438	ug/l	98
91) 1,2-Dichlorobenzene	13.66	146	723544	48.099	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	73712	44.882	ug/l	96

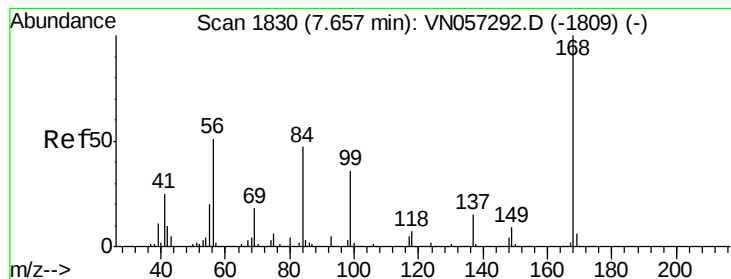
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	240980	41.124	ug/l	98
94) Hexachlorobutadiene	15.01	225	295760	51.409	ug/l	98
95) Naphthalene	15.13	128	507588	53.675	ug/l	100
96) 1,2,3-Trichlorobenzene	15.29	180	226526	53.377	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. 0.00 min

Lab File: VN057383.D

Acq: 17 Aug 2019 3:17

Instrument :

MSVOA_N

ClientSampleId :

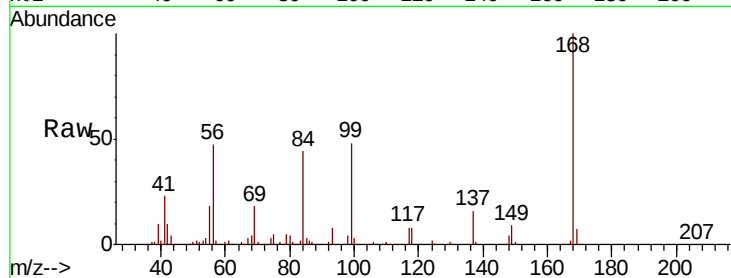
VSTDCCC050EC

Tgt Ion:168 Resp: 826165

Ion Ratio Lower Upper

168 100

99 48.3 39.4 59.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.66

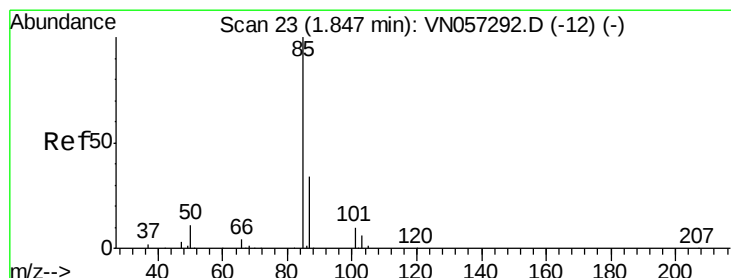
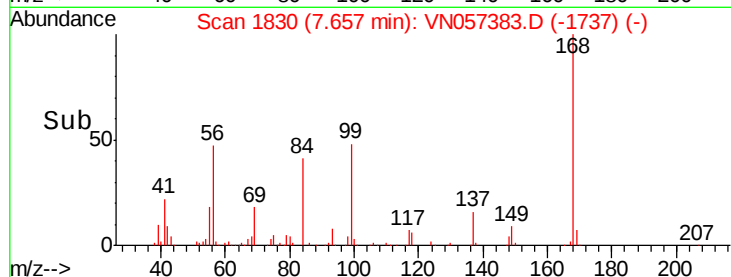
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 44.632 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN057383.D

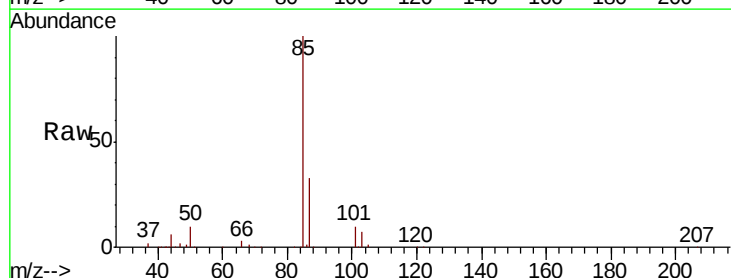
Acq: 17 Aug 2019 3:17

Tgt Ion: 85 Resp: 317294

Ion Ratio Lower Upper

85 100

87 32.7 16.9 50.7



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

250000

200000

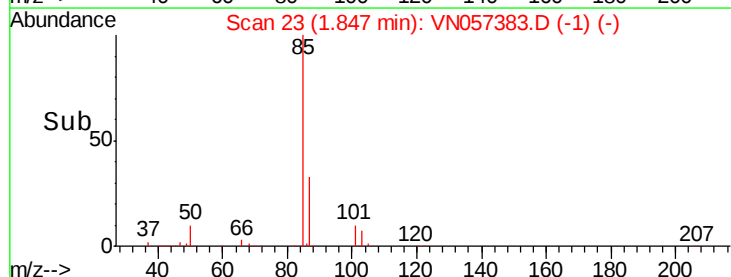
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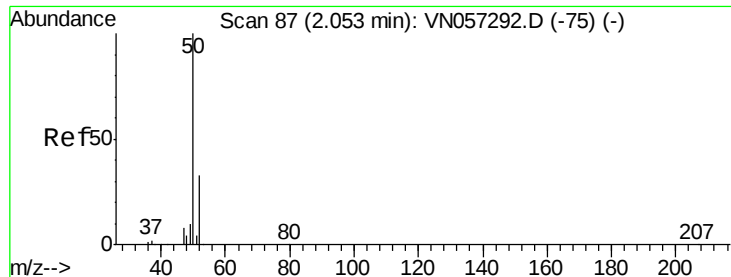
100000

50000

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Time-->





#3

Chloromethane

Concen: 45.041 ug/l

RT: 2.05 min Scan# 87

Delta R.T. 0.00 min

Lab File: VN057383.D

Acq: 17 Aug 2019 3:17

Instrument :

MSVOA_N

ClientSampleId :

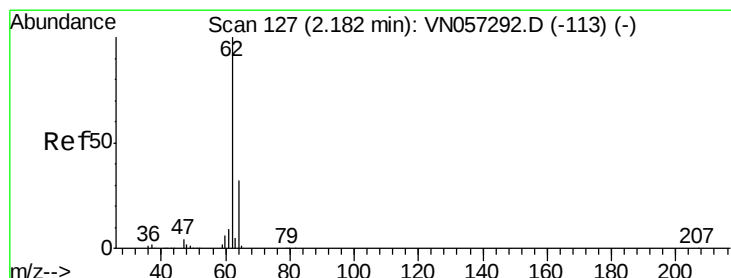
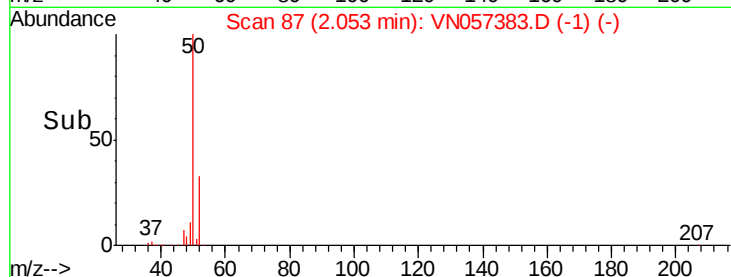
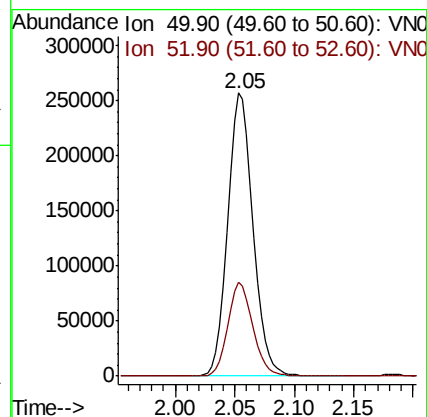
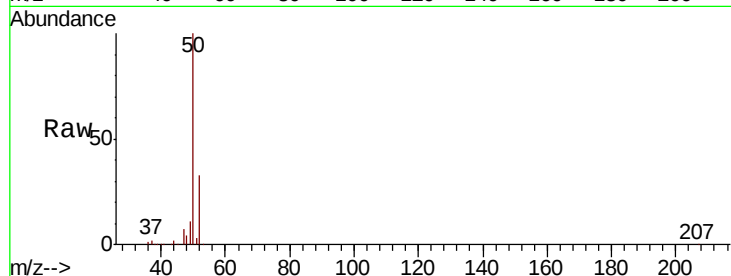
VSTDCCC050EC

Tgt Ion: 50 Resp: 377949

Ion Ratio Lower Upper

50 100

52 33.2 26.8 40.2



#4

Vinyl Chloride

Concen: 45.022 ug/l

RT: 2.18 min Scan# 127

Delta R.T. 0.00 min

Lab File: VN057383.D

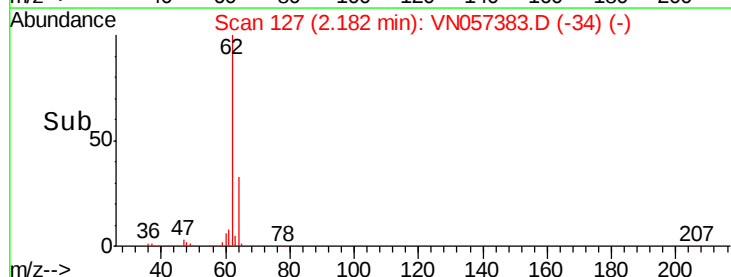
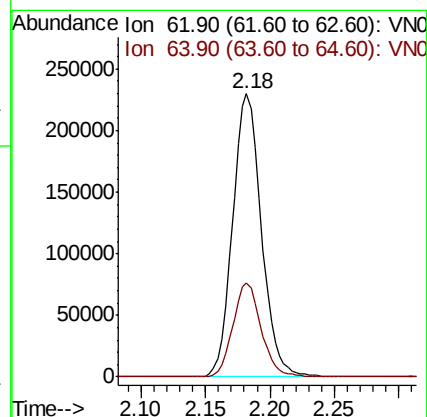
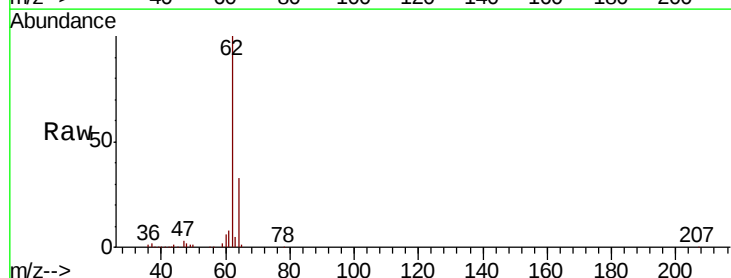
Acq: 17 Aug 2019 3:17

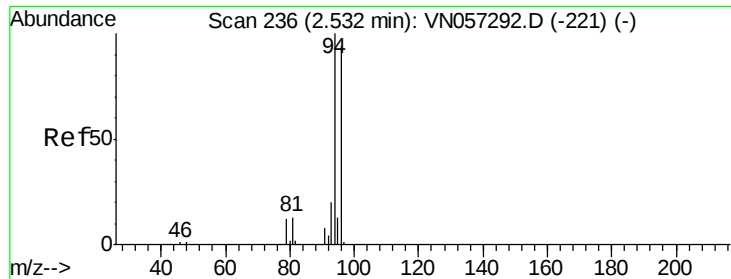
Tgt Ion: 62 Resp: 355422

Ion Ratio Lower Upper

62 100

64 33.4 25.9 38.9





#5

Bromomethane

Concen: 46.171 ug/l

RT: 2.53 min Scan# 235

Delta R.T. -0.00 min

Lab File: VN057383.D

Acq: 17 Aug 2019 3:17

Instrument :

MSVOA_N

ClientSampleId :

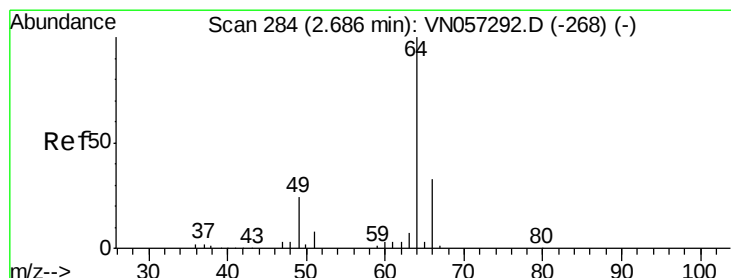
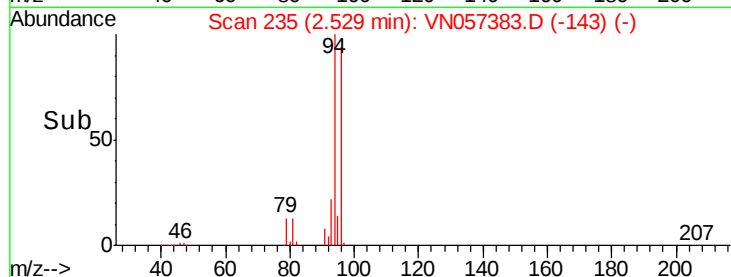
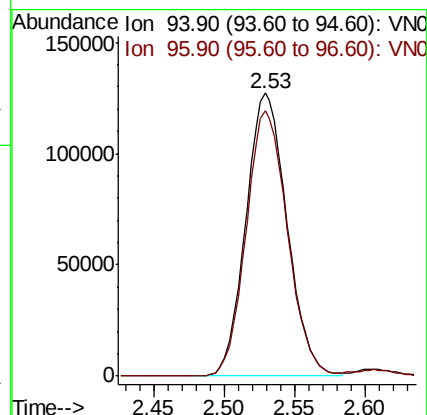
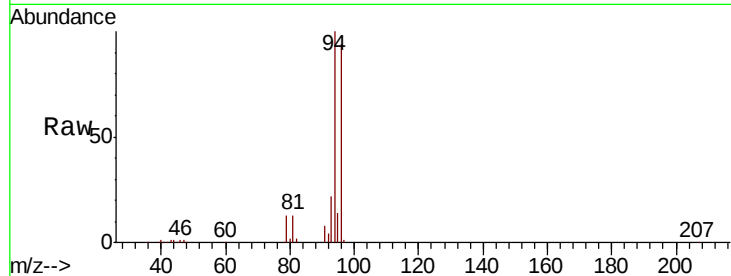
VSTDCCC050EC

Tgt Ion: 94 Resp: 259817

Ion Ratio Lower Upper

94 100

96 93.8 75.0 112.6



#6

Chloroethane

Concen: 46.350 ug/l

RT: 2.69 min Scan# 284

Delta R.T. 0.00 min

Lab File: VN057383.D

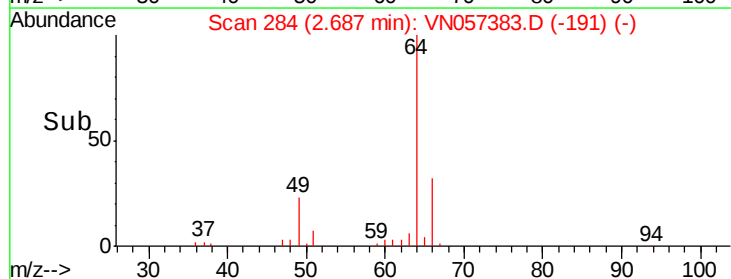
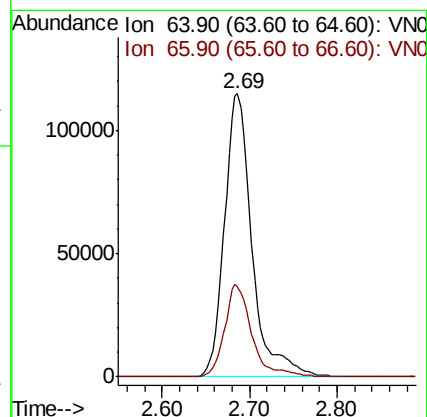
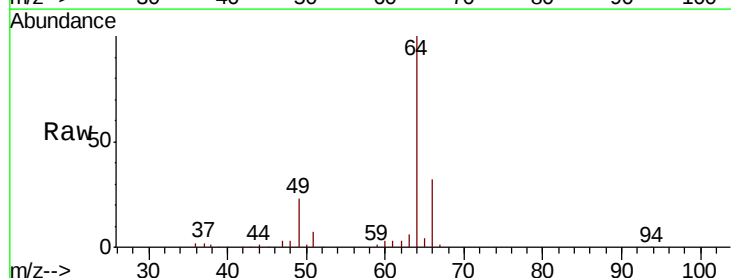
Acq: 17 Aug 2019 3:17

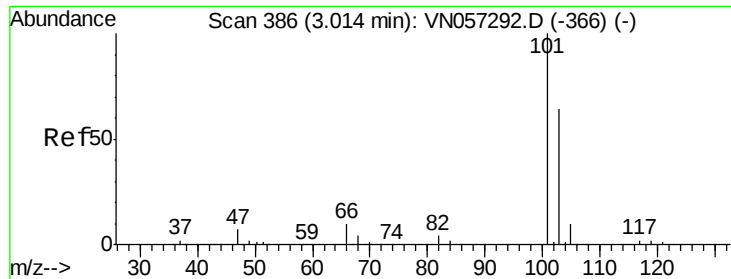
Tgt Ion: 64 Resp: 251691

Ion Ratio Lower Upper

64 100

66 31.8 26.4 39.6



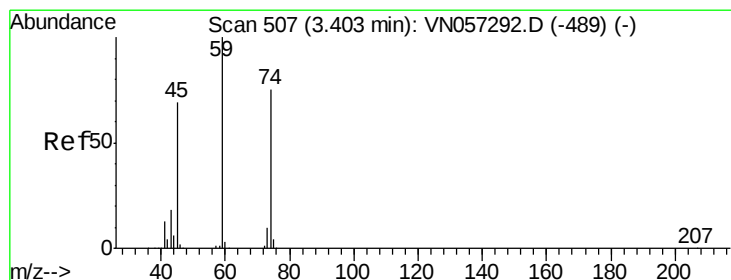
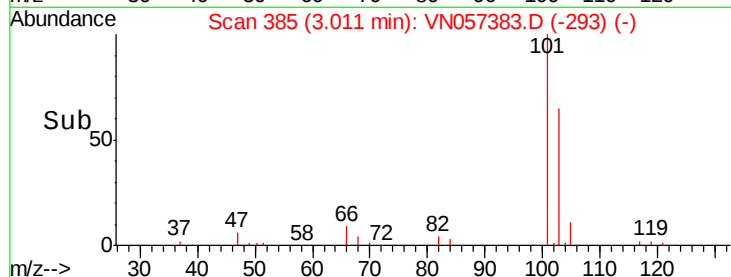
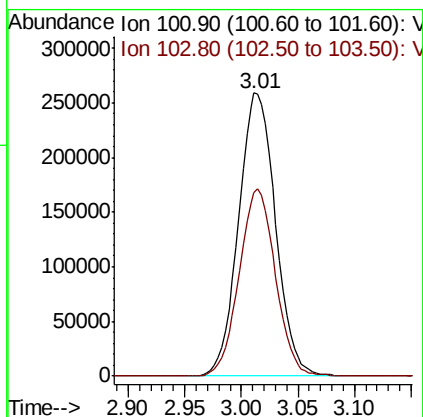
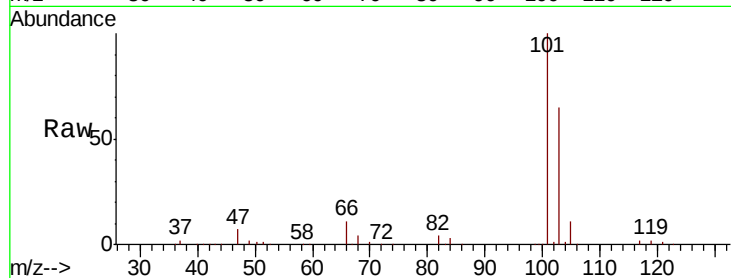


#7

Trichlorofluoromethane
 Concen: 47.606 ug/l
 RT: 3.01 min Scan# 385
 Delta R.T. -0.00 min
 Lab File: VN057383.D
 Acq: 17 Aug 2019 3:17

Instrument :
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 VSTDCCC050EC

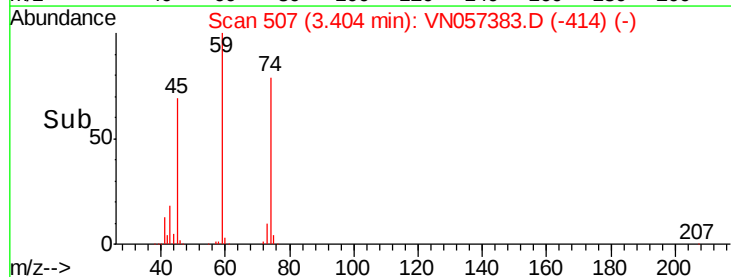
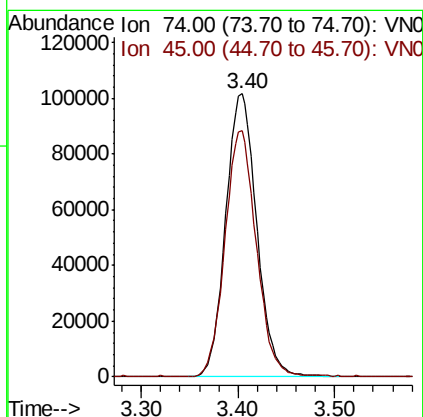
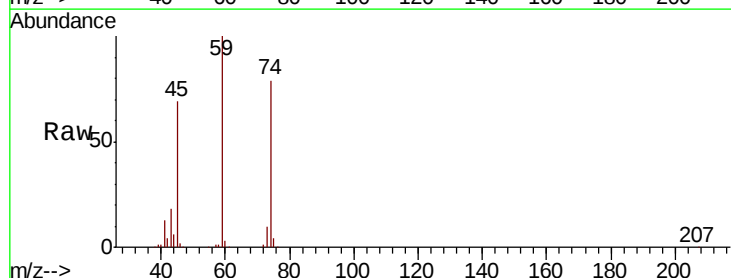
Tgt Ion:101 Resp: 589493
 Ion Ratio Lower Upper
 101 100
 103 65.0 51.5 77.3

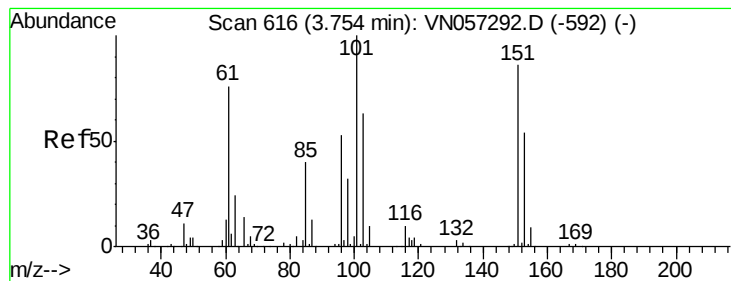


#8

Diethyl Ether
 Concen: 48.754 ug/l
 RT: 3.40 min Scan# 507
 Delta R.T. 0.00 min
 Lab File: VN057383.D
 Acq: 17 Aug 2019 3:17

Tgt Ion: 74 Resp: 227222
 Ion Ratio Lower Upper
 74 100
 45 87.7 45.9 137.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.076 ug/l

RT: 3.75 min Scan# 616

Delta R.T. 0.00 min

Lab File: VN057383.D

Acq: 17 Aug 2019 3:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

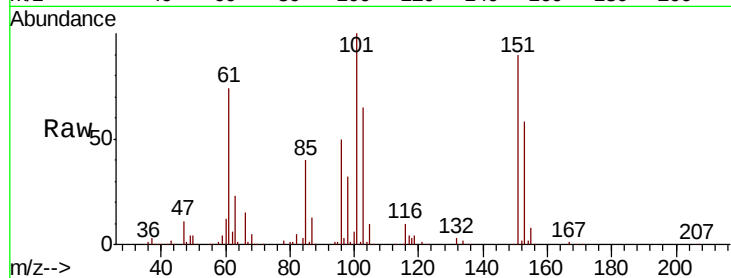
Tgt Ion:101 Resp: 342491

Ion Ratio Lower Upper

101 100

85 40.9 32.7 49.1

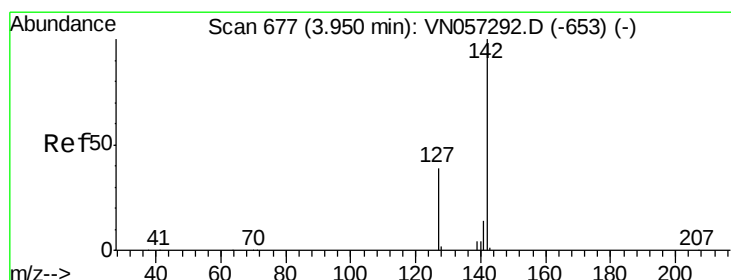
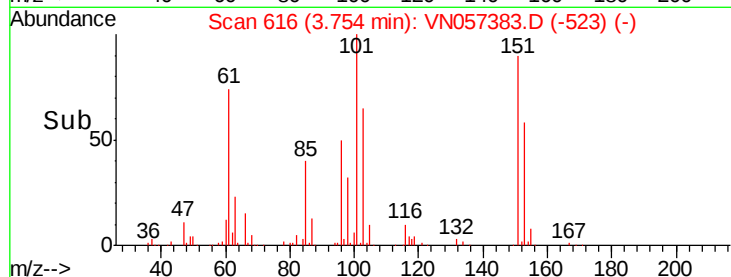
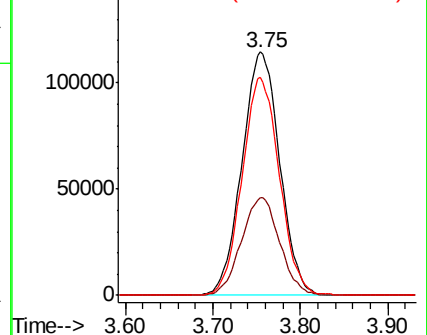
151 88.5 69.1 103.7



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 51.761 ug/l

RT: 3.95 min Scan# 676

Delta R.T. -0.00 min

Lab File: VN057383.D

Acq: 17 Aug 2019 3:17

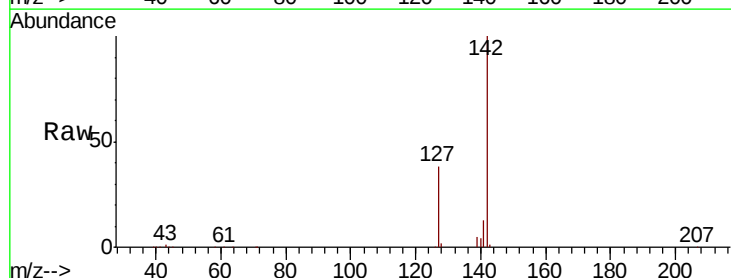
Tgt Ion:142 Resp: 601922

Ion Ratio Lower Upper

142 100

127 38.6 31.6 47.4

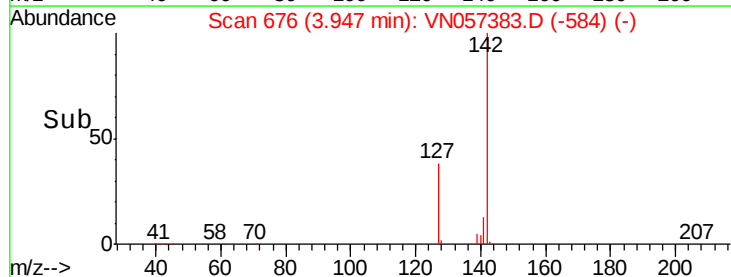
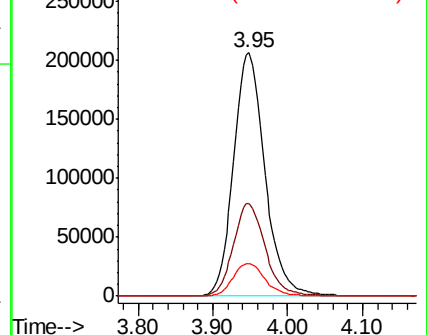
141 13.9 11.2 16.8

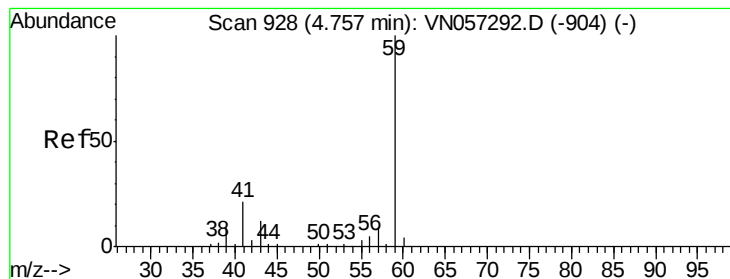


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



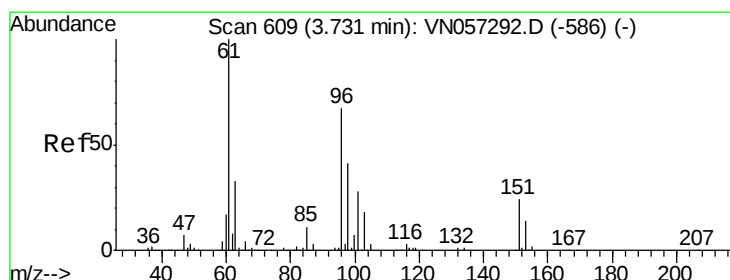
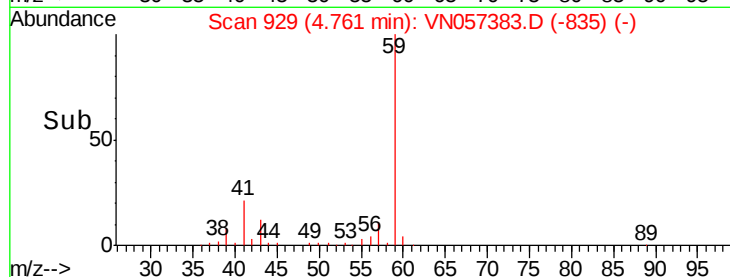
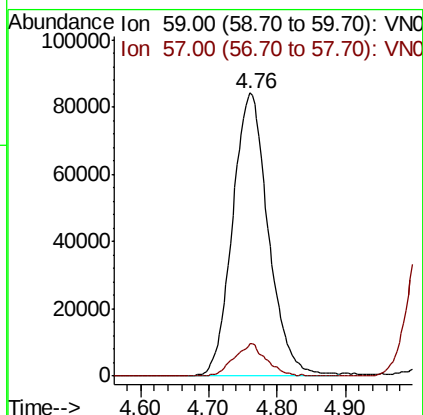
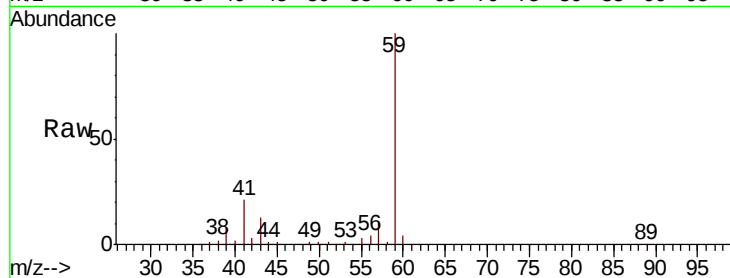


#11

Tert butyl alcohol
 Concen: 240.754 ug/l
 RT: 4.76 min Scan# 929
 Delta R.T. 0.00 min
 Lab File: VN057383.D
 Acq: 17 Aug 2019 3:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

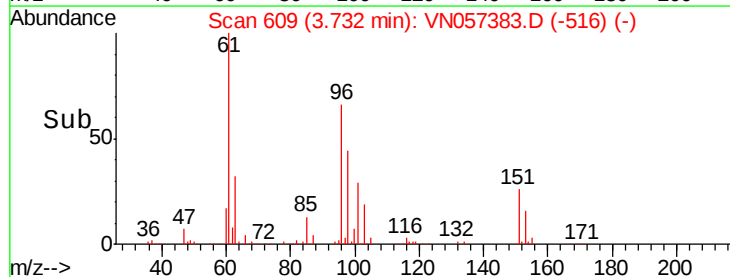
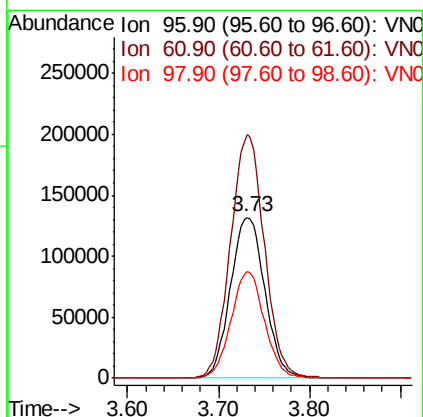
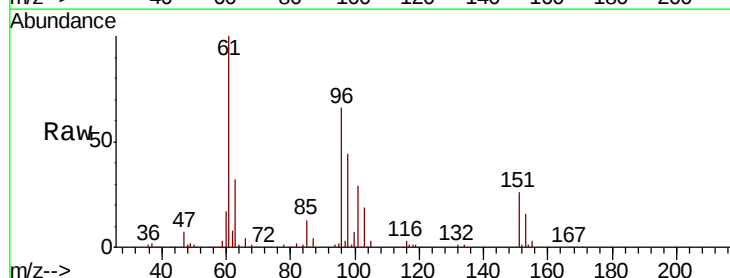
Tgt Ion: 59 Resp: 307400
 Ion Ratio Lower Upper
 59 100
 57 10.3 8.2 12.2

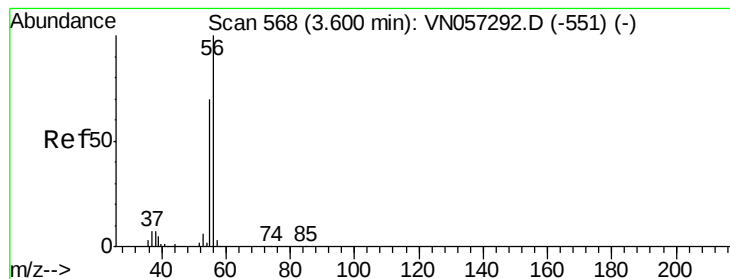


#12

1,1-Dichloroethene
 Concen: 47.793 ug/l
 RT: 3.73 min Scan# 609
 Delta R.T. 0.00 min
 Lab File: VN057383.D
 Acq: 17 Aug 2019 3:17

Tgt Ion: 96 Resp: 346438
 Ion Ratio Lower Upper
 96 100
 61 151.5 119.7 179.5
 98 66.2 49.0 73.4





#13

Acrolein

Concen: 173.362 ug/l

RT: 3.60 min Scan# 567

Delta R.T. -0.00 min

Lab File: VN057383.D

Acq: 17 Aug 2019 3:17

Instrument :

MSVOA_N

ClientSampleId :

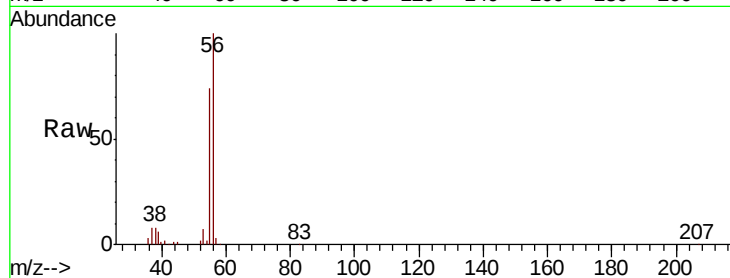
VSTDCCC050EC

Tgt Ion: 56 Resp: 134376

Ion Ratio Lower Upper

56 100

55 72.7 56.6 84.8



Abundance Ion 56.00 (55.70 to 56.70): VN057292.D (-551) (-)

Ion 55.00 (54.70 to 55.70): VN057292.D (-551) (-)

3.60

60000

50000

40000

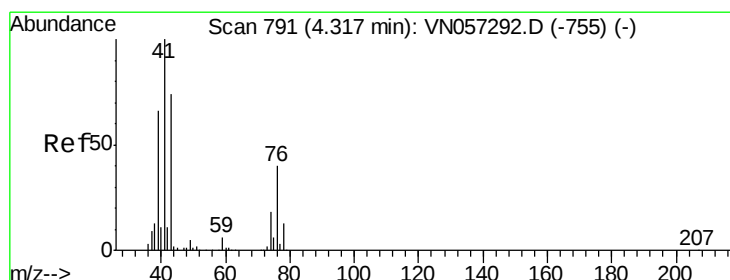
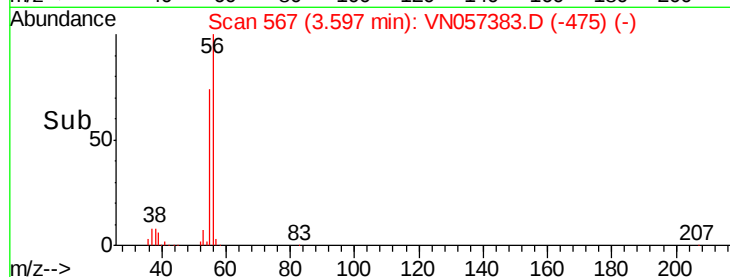
30000

20000

10000

0

Time-->



#14

Allyl chloride

Concen: 45.535 ug/l

RT: 4.31 min Scan# 790

Delta R.T. -0.00 min

Lab File: VN057383.D

Acq: 17 Aug 2019 3:17

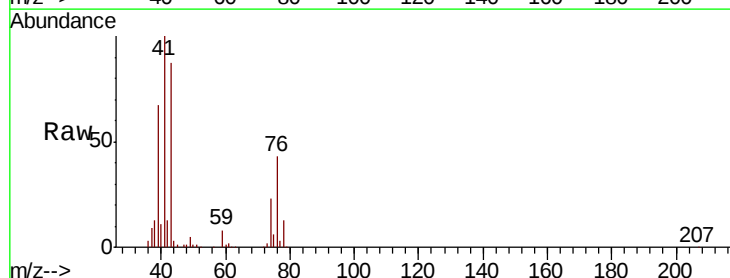
Tgt Ion: 41 Resp: 529085

Ion Ratio Lower Upper

41 100

39 61.7 49.0 73.6

76 37.0 29.0 43.4



Abundance Ion 41.00 (40.70 to 41.70): VN057292.D (-755) (-)

Ion 39.00 (38.70 to 39.70): VN057292.D (-755) (-)

Ion 75.90 (75.60 to 76.60): VN057292.D (-755) (-)

4.31

200000

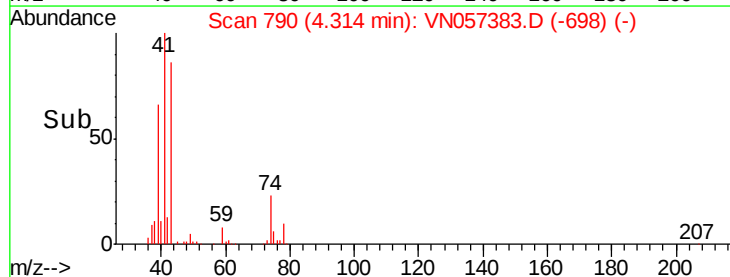
150000

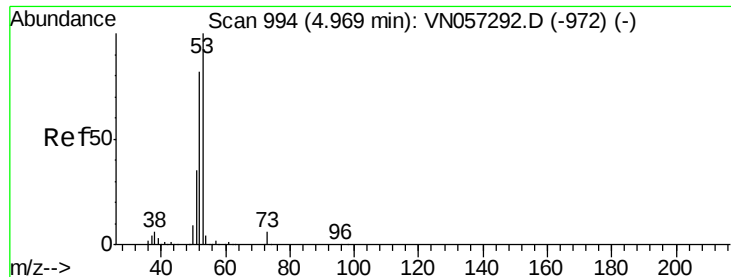
100000

50000

0

Time-->





#15

Acrylonitrile

Concen: 246.417 ug/l

RT: 4.97 min Scan# 994

Delta R.T. 0.00 min

Lab File: VN057383.D

Acq: 17 Aug 2019 3:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

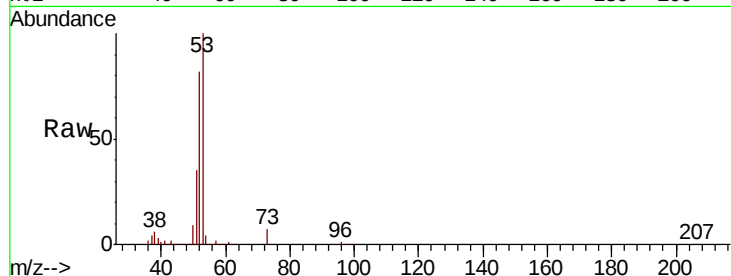
Tgt Ion: 53 Resp: 854194

Ion Ratio Lower Upper

53 100

52 82.6 66.2 99.2

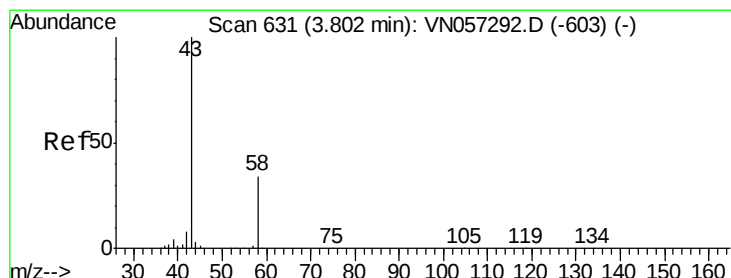
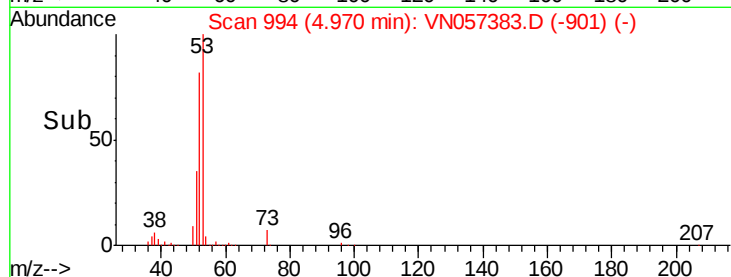
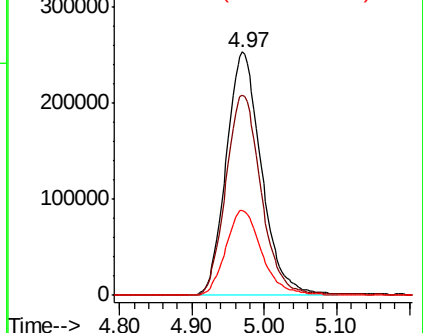
51 35.5 28.5 42.7



Abundance Ion 53.00 (52.70 to 53.70): VN057292.D (-972) (-)

Ion 52.00 (51.70 to 52.70): VN057292.D (-972) (-)

Ion 51.00 (50.70 to 51.70): VN057292.D (-972) (-)



#16

Acetone

Concen: 210.290 ug/l

RT: 3.80 min Scan# 631

Delta R.T. 0.00 min

Lab File: VN057383.D

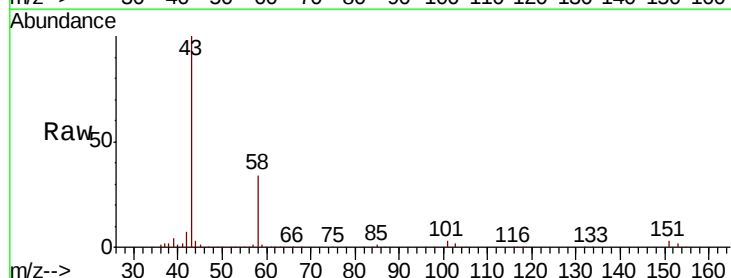
Acq: 17 Aug 2019 3:17

Tgt Ion: 43 Resp: 655179

Ion Ratio Lower Upper

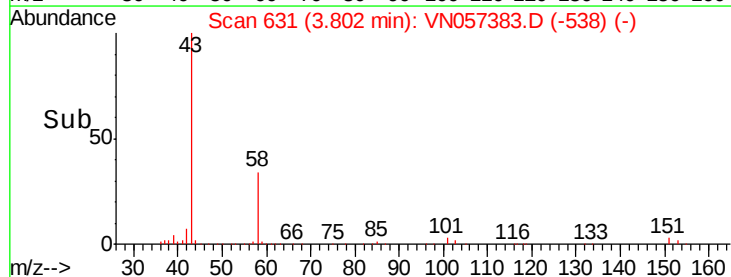
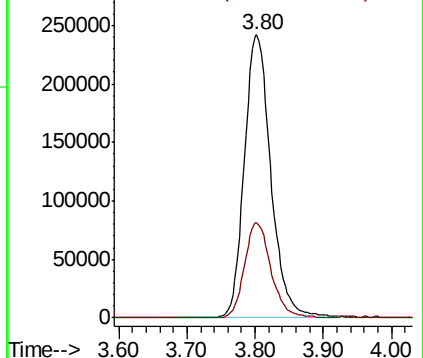
43 100

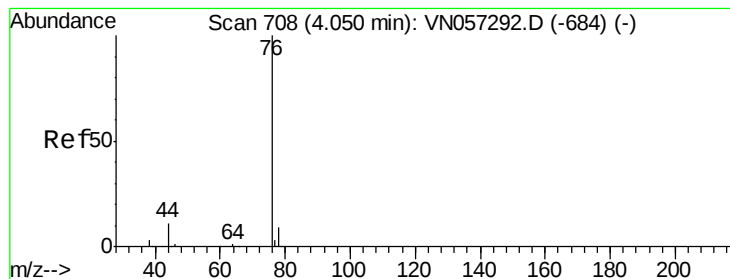
58 33.5 27.0 40.6



Abundance Ion 43.00 (42.70 to 43.70): VN057292.D (-603) (-)

Ion 58.00 (57.70 to 58.70): VN057292.D (-603) (-)





#17

Carbon Disulfide

Concen: 44.980 ug/l

RT: 4.05 min Scan# 708

Delta R.T. 0.00 min

Lab File: VN057383.D

Acq: 17 Aug 2019 3:17

Instrument :

MSVOA_N

ClientSampleId :

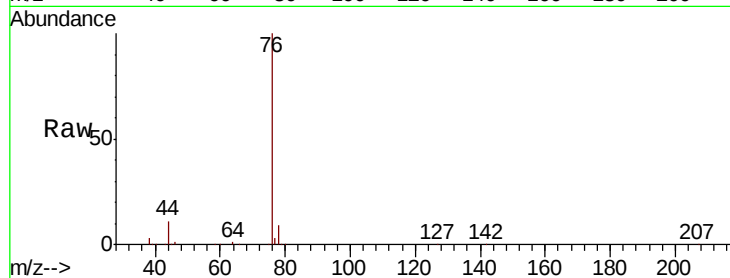
VSTDCCC050EC

Tgt Ion: 76 Resp: 878402

Ion Ratio Lower Upper

76 100

78 8.9 7.0 10.6



Abundance Ion 75.90 (75.60 to 76.60): VN057292.D (-684) (-)

Ion 77.90 (77.60 to 78.60): VN057292.D (-684) (-)

4.05

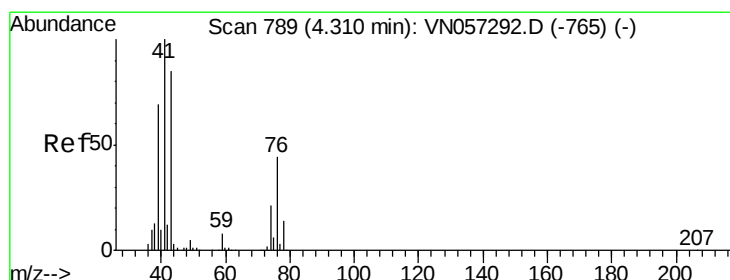
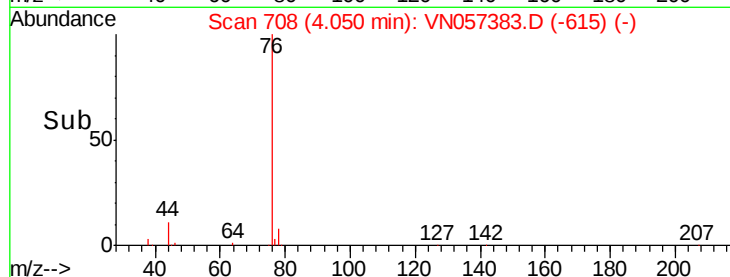
300000

200000

100000

0

Time-->



#18

Methyl Acetate

Concen: 50.889 ug/l

RT: 4.31 min Scan# 788

Delta R.T. -0.00 min

Lab File: VN057383.D

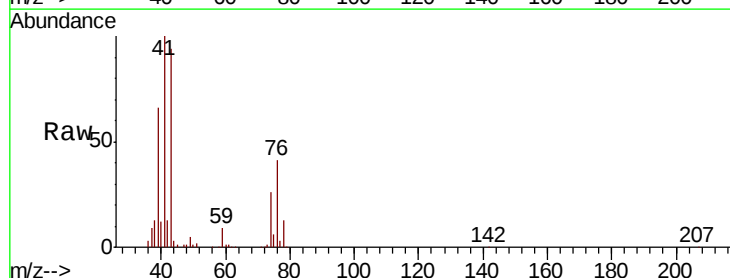
Acq: 17 Aug 2019 3:17

Tgt Ion: 43 Resp: 423287

Ion Ratio Lower Upper

43 100

74 25.9 20.2 30.2



Abundance Ion 43.00 (42.70 to 43.70): VN057292.D (-765) (-)

Ion 74.00 (73.70 to 74.70): VN057292.D (-765) (-)

4.31

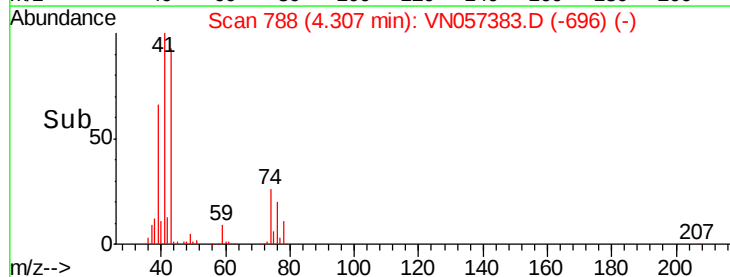
150000

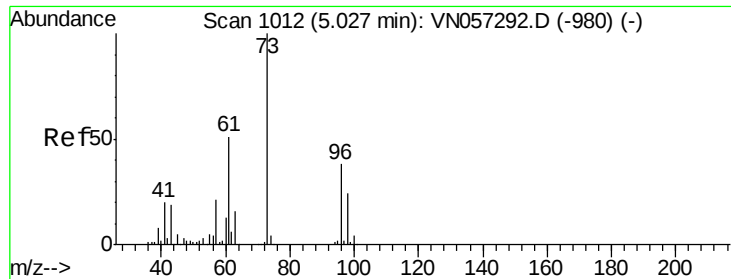
100000

50000

0

Time-->

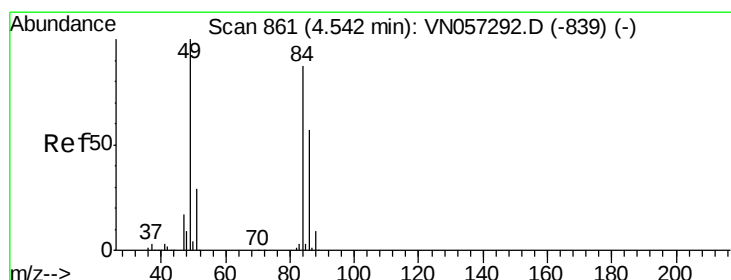
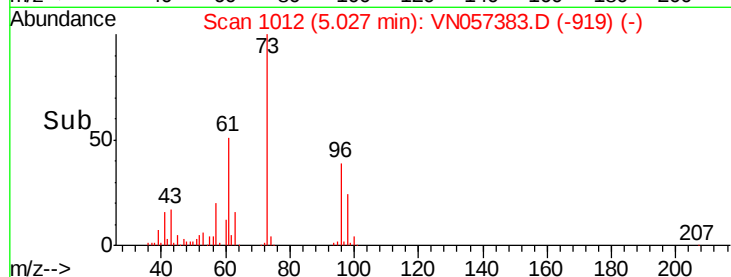
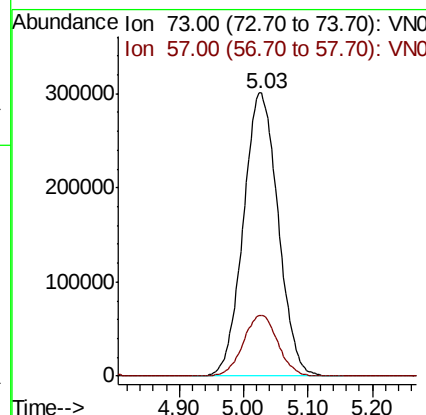
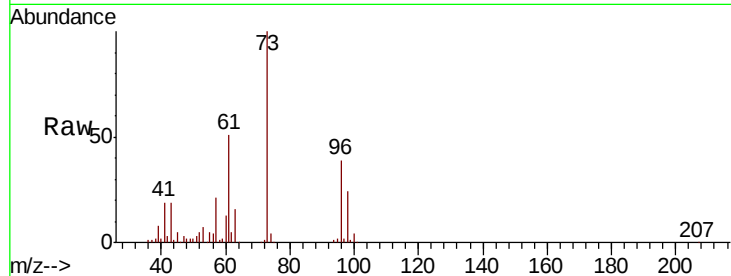




#19
Methyl tert-butyl Ether
Concen: 49.684 ug/l
RT: 5.03 min Scan# 1012
Delta R.T. 0.00 min
Lab File: VN057383.D
Acq: 17 Aug 2019 3:17

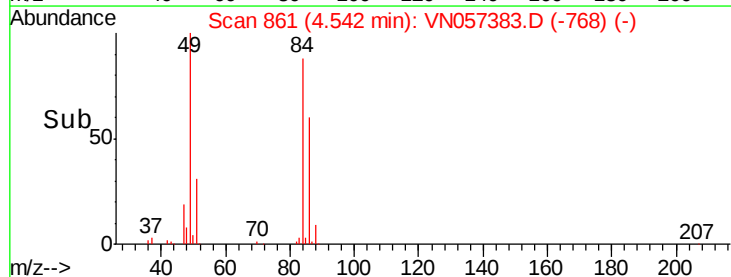
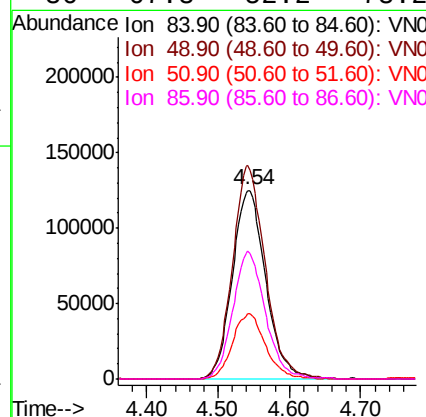
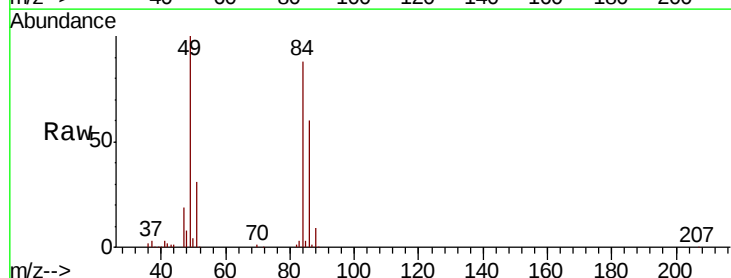
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

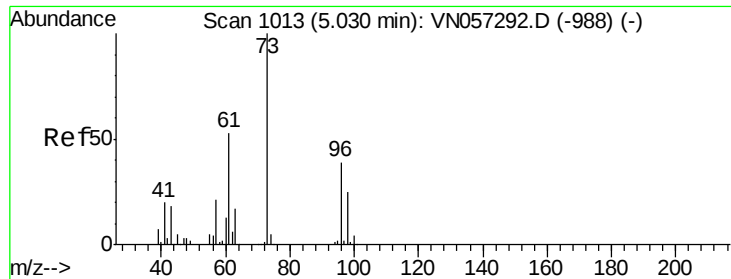
Tgt Ion: 73 Resp: 1130059
Ion Ratio Lower Upper
73 100
57 21.3 16.9 25.3



#20
Methylene Chloride
Concen: 46.879 ug/l
RT: 4.54 min Scan# 861
Delta R.T. 0.00 min
Lab File: VN057383.D
Acq: 17 Aug 2019 3:17

Tgt Ion: 84 Resp: 408653
Ion Ratio Lower Upper
84 100
49 113.2 92.0 138.0
51 34.6 27.1 40.7
86 67.8 52.2 78.2

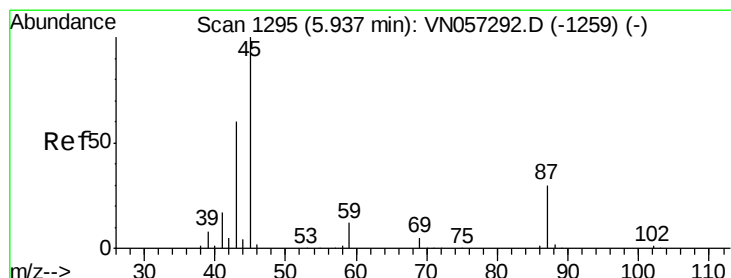
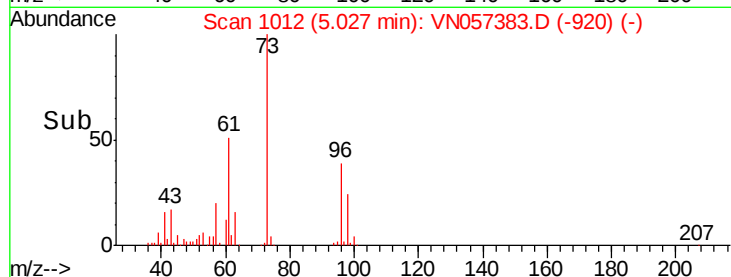
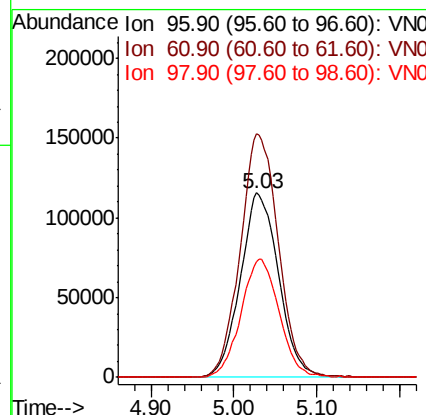
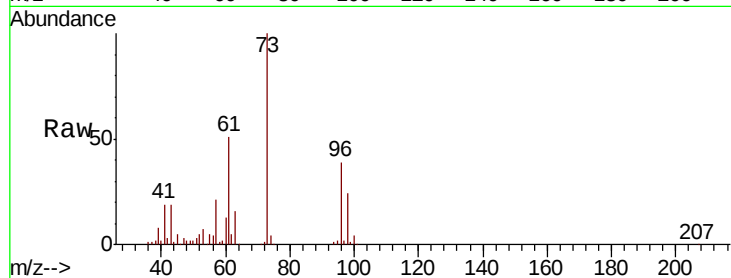




#21
trans-1,2-Dichloroethene
Concen: 47.550 ug/l
RT: 5.03 min Scan# 1012
Delta R.T. -0.00 min
Lab File: VN057383.D
Acq: 17 Aug 2019 3:17

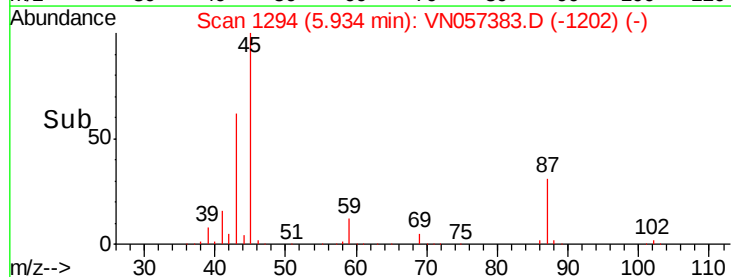
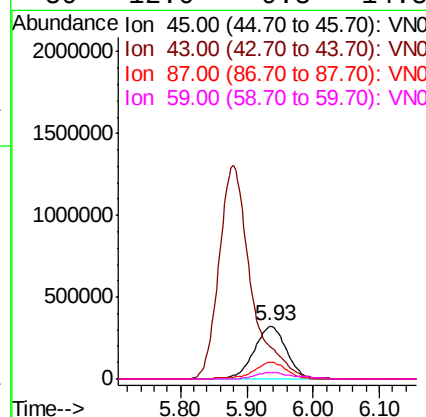
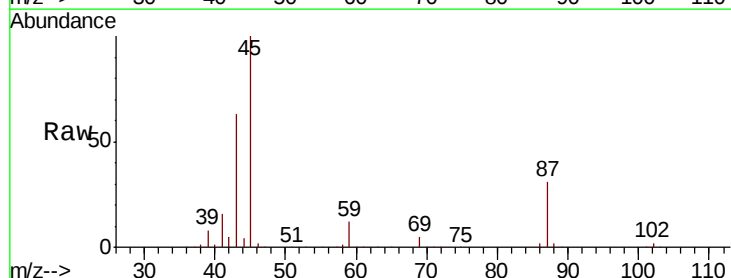
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

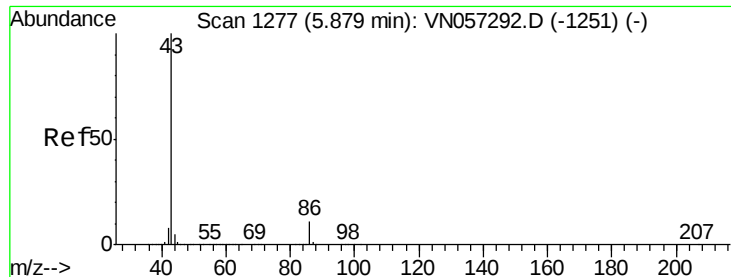
Tgt Ion: 96 Resp: 370657
Ion Ratio Lower Upper
96 100
61 131.9 109.5 164.3
98 62.8 51.0 76.6



#22
Diisopropyl ether
Concen: 47.719 ug/l
RT: 5.93 min Scan# 1294
Delta R.T. -0.00 min
Lab File: VN057383.D
Acq: 17 Aug 2019 3:17

Tgt Ion: 45 Resp: 1095315
Ion Ratio Lower Upper
45 100
43 61.5 48.3 72.5
87 31.2 24.6 36.8
59 12.0 9.8 14.8





#23

Vinyl Acetate

Concen: 236.479 ug/l

RT: 5.88 min Scan# 1277

Delta R.T. 0.00 min

Lab File: VN057383.D

Acq: 17 Aug 2019 3:17

Instrument :

MSVOA_N

ClientSampleId :

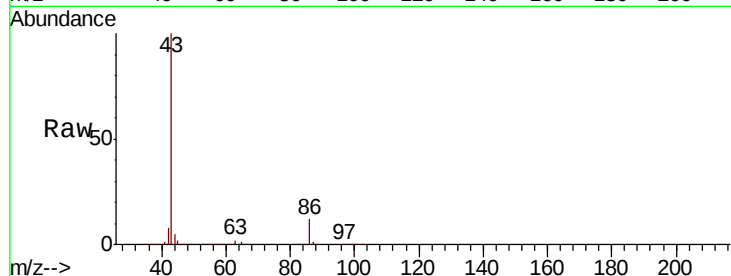
VSTDCCC050EC

Tgt Ion: 43 Resp: 4368494

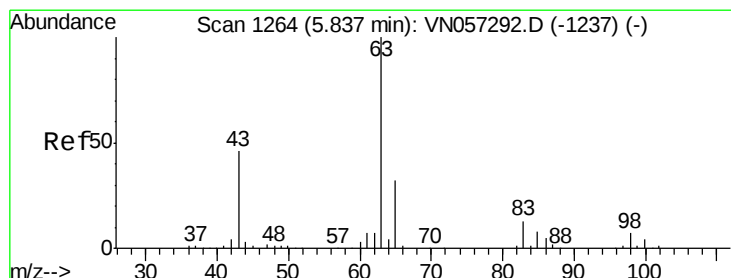
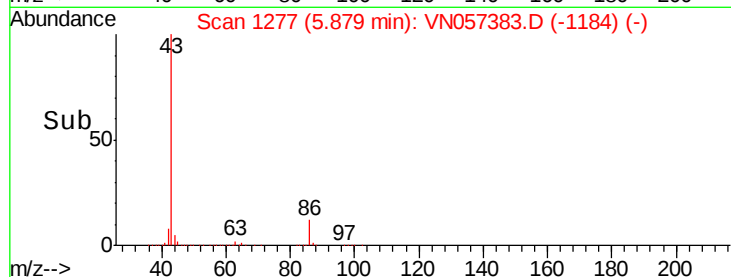
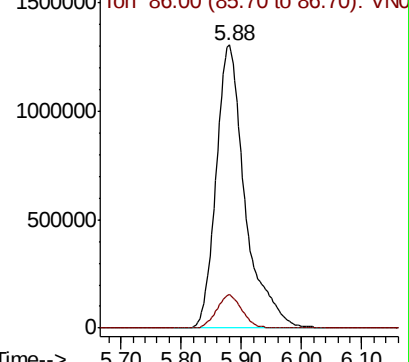
Ion Ratio Lower Upper

43 100

86 11.8 8.7 13.1



Abundance Ion 43.00 (42.70 to 43.70): VN057292.D (-1251) (-)



#24

1,1-Dichloroethane

Concen: 48.108 ug/l

RT: 5.83 min Scan# 1263

Delta R.T. -0.00 min

Lab File: VN057383.D

Acq: 17 Aug 2019 3:17

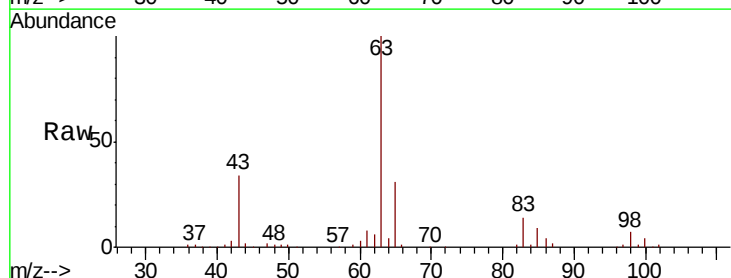
Tgt Ion: 63 Resp: 679365

Ion Ratio Lower Upper

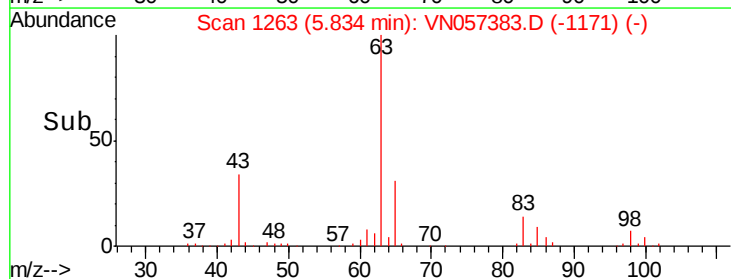
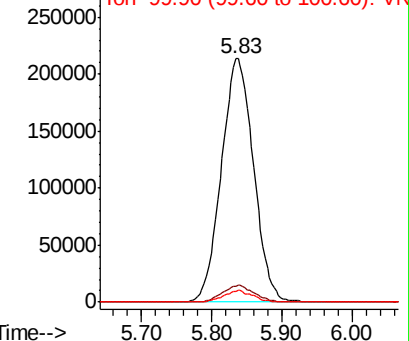
63 100

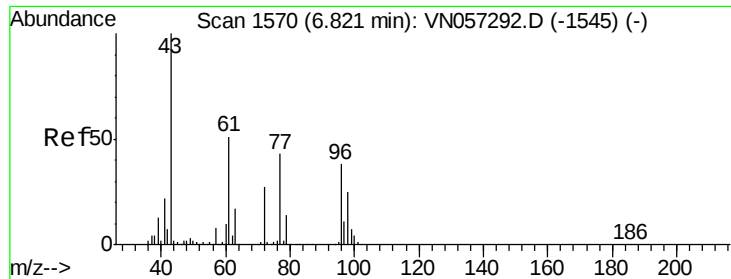
98 6.7 3.3 9.9

100 4.3 2.1 6.5



Abundance Ion 62.90 (62.60 to 63.60): VN057292.D (-1237) (-)

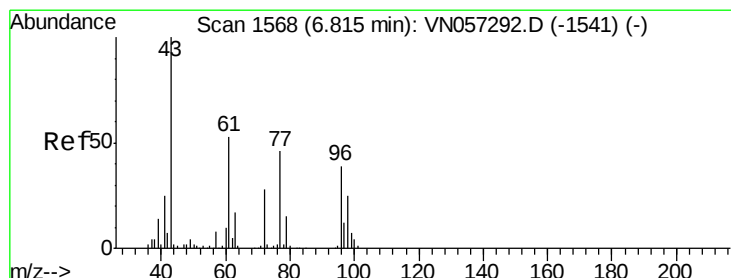
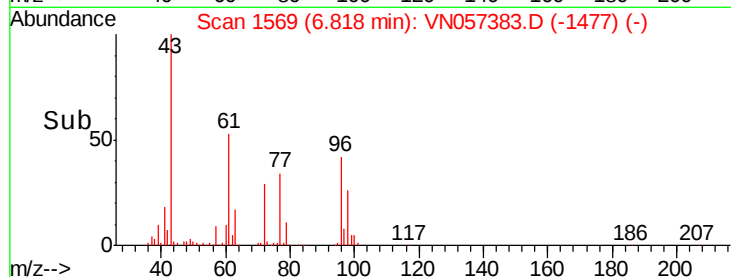
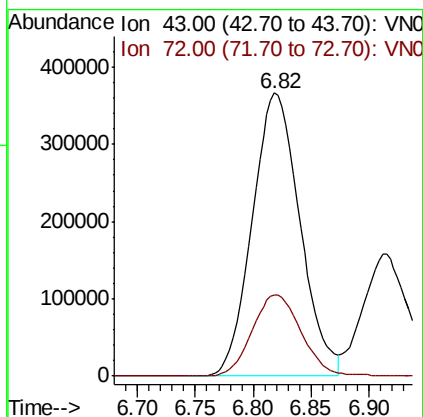
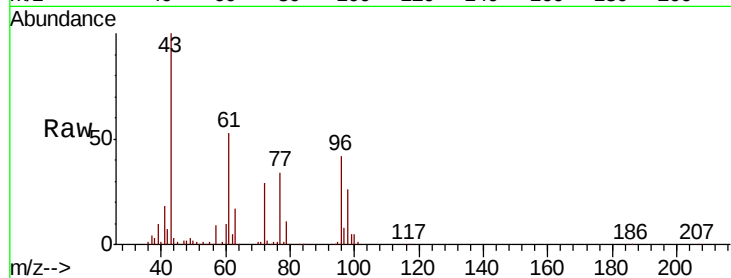




#25
2-Butanone
Concen: 231.698 ug/l
RT: 6.82 min Scan# 1569
Delta R.T. -0.00 min
Lab File: VN057383.D
Acq: 17 Aug 2019 3:17

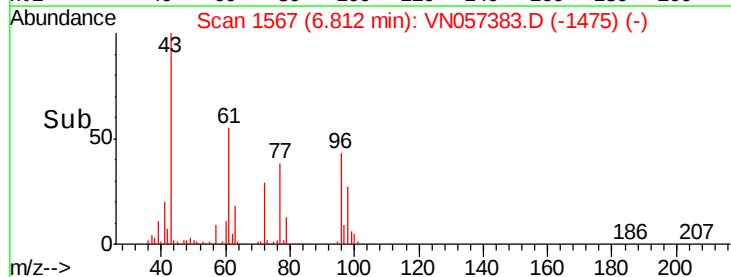
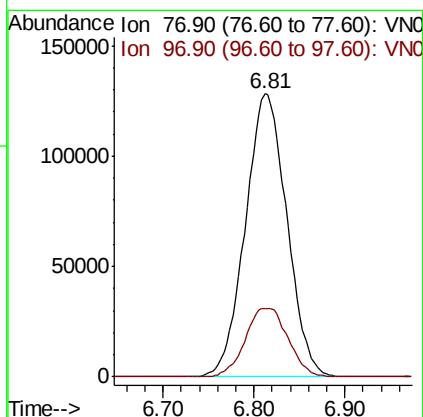
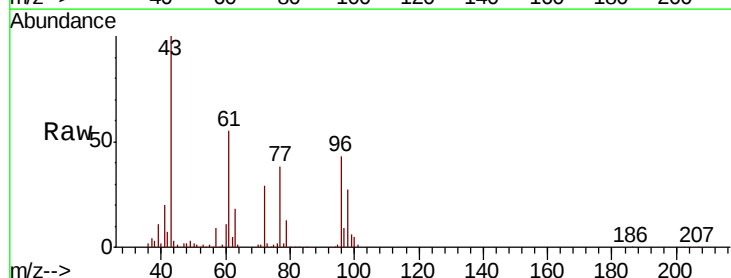
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

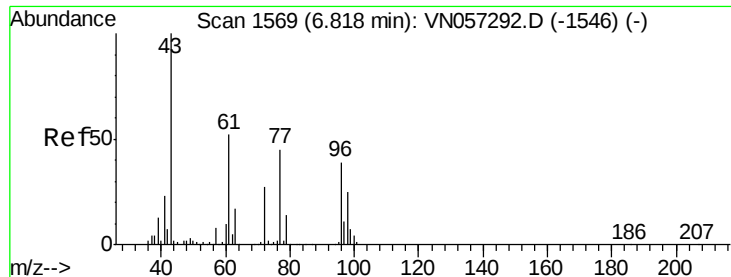
Tgt Ion: 43 Resp: 1045356
Ion Ratio Lower Upper
43 100
72 28.7 21.5 32.3



#26
2,2-Dichloropropane
Concen: 35.588 ug/l
RT: 6.81 min Scan# 1567
Delta R.T. -0.00 min
Lab File: VN057383.D
Acq: 17 Aug 2019 3:17

Tgt Ion: 77 Resp: 406151
Ion Ratio Lower Upper
77 100
97 25.0 12.3 36.9





#27

cis-1,2-Dichloroethene

Concen: 47.966 ug/l

RT: 6.82 min Scan# 1569

Delta R.T. 0.00 min

Lab File: VN057383.D

Acq: 17 Aug 2019 3:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

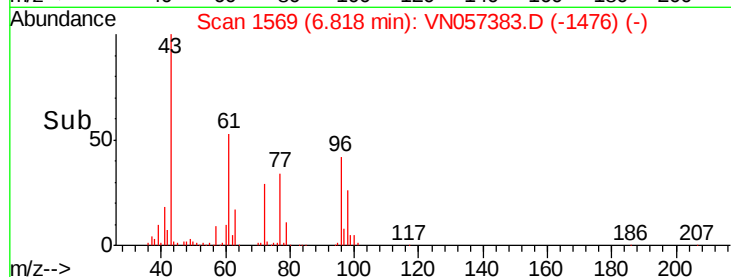
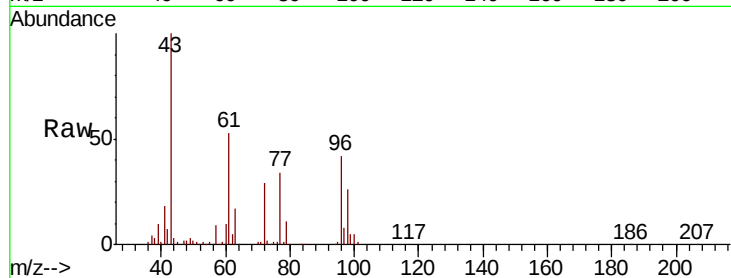
Tgt Ion: 96 Resp: 442655

Ion Ratio Lower Upper

96 100

61 129.6 0.0 272.0

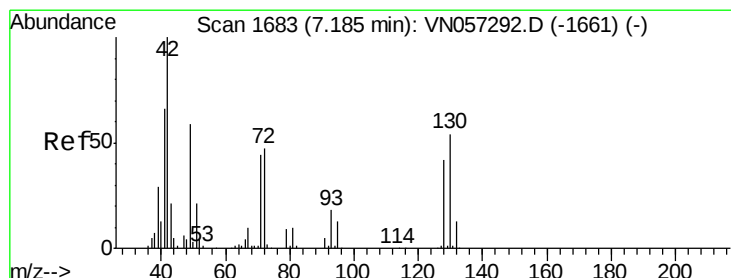
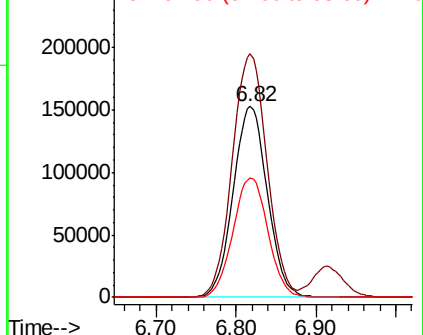
98 64.0 0.0 130.4



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 49.485 ug/l

RT: 7.18 min Scan# 1683

Delta R.T. 0.00 min

Lab File: VN057383.D

Acq: 17 Aug 2019 3:17

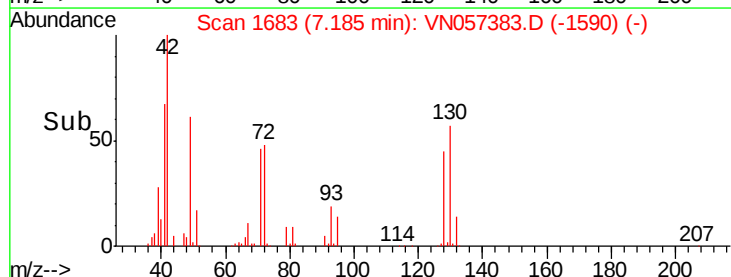
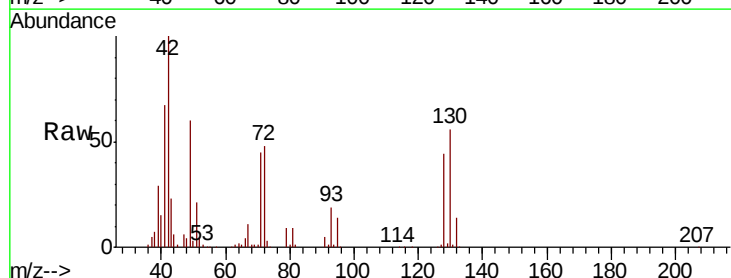
Tgt Ion: 49 Resp: 310494

Ion Ratio Lower Upper

49 100

129 2.5 0.0 2.0#

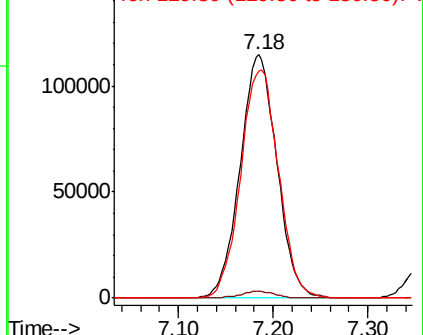
130 96.3 73.2 109.8

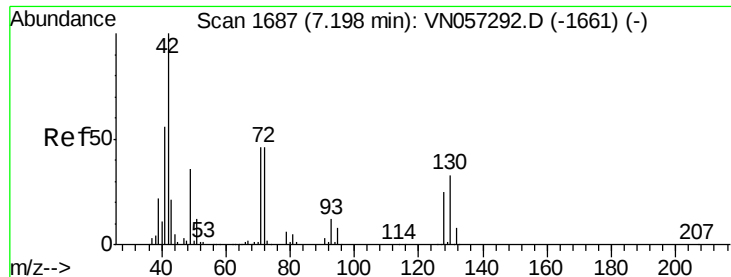


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 235.495 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. 0.00 min

Lab File: VN057383.D

Acq: 17 Aug 2019 3:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

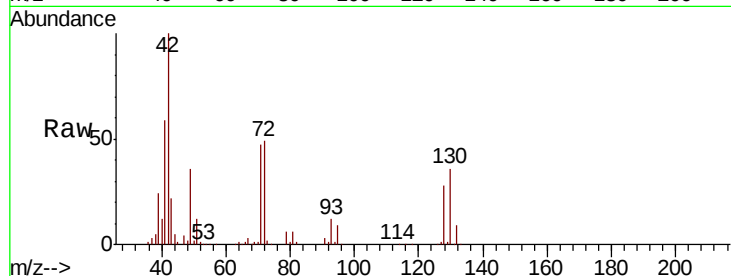
Tgt Ion: 42 Resp: 672394

Ion Ratio Lower Upper

42 100

72 48.4 37.8 56.6

71 45.5 35.7 53.5

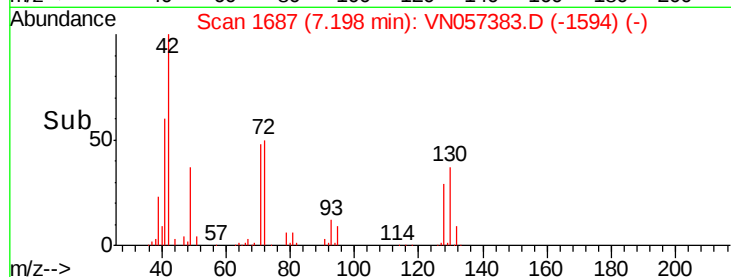


Abundance Ion 42.00 (41.70 to 42.70): VN057292.D (-1661) (-)

Ion 72.00 (71.70 to 72.70): VN057292.D (-1661) (-)

Ion 71.00 (70.70 to 71.70): VN057292.D (-1661) (-)

Time-->

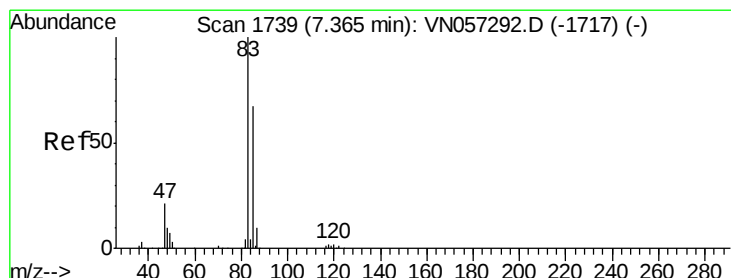


Abundance Ion 42.00 (41.70 to 42.70): VN057383.D (-1594) (-)

Ion 72.00 (71.70 to 72.70): VN057383.D (-1594) (-)

Ion 71.00 (70.70 to 71.70): VN057383.D (-1594) (-)

Time-->



#30

Chloroform

Concen: 47.602 ug/l

RT: 7.36 min Scan# 1738

Delta R.T. -0.00 min

Lab File: VN057383.D

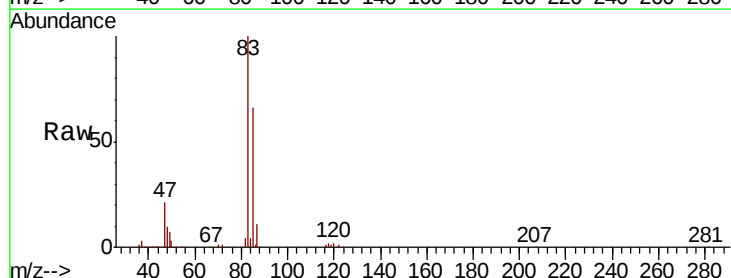
Acq: 17 Aug 2019 3:17

Tgt Ion: 83 Resp: 704448

Ion Ratio Lower Upper

83 100

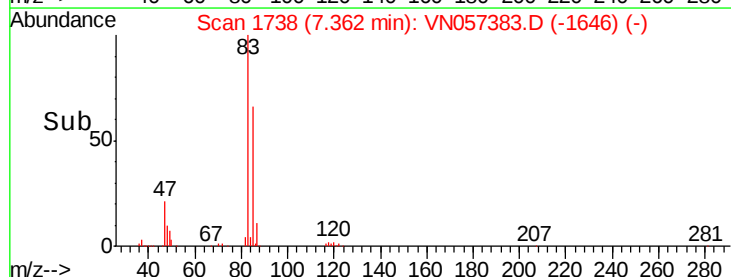
85 66.0 53.3 79.9



Abundance Ion 82.90 (82.60 to 83.60): VN057292.D (-1717) (-)

Ion 84.90 (84.60 to 85.60): VN057292.D (-1717) (-)

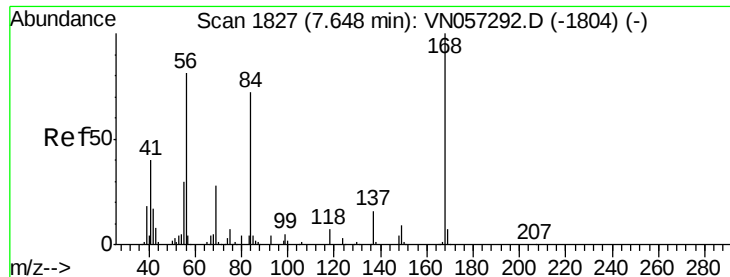
Time-->



Abundance Ion 82.90 (82.60 to 83.60): VN057383.D (-1646) (-)

Ion 84.90 (84.60 to 85.60): VN057383.D (-1646) (-)

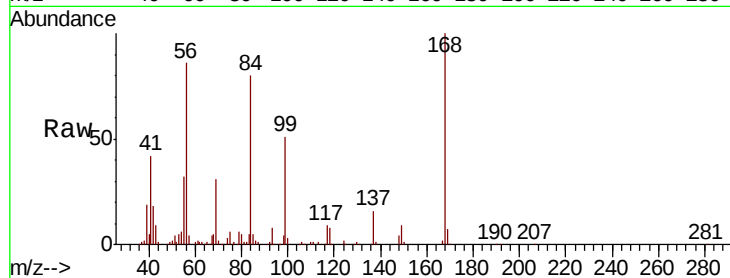
Time-->



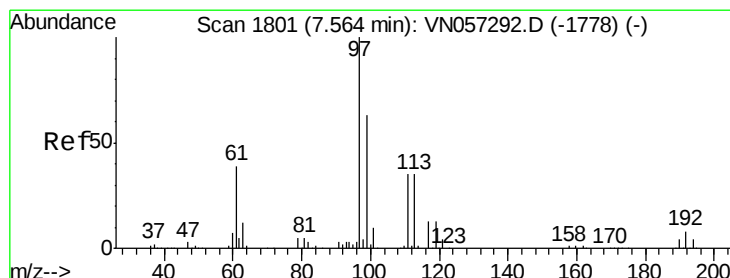
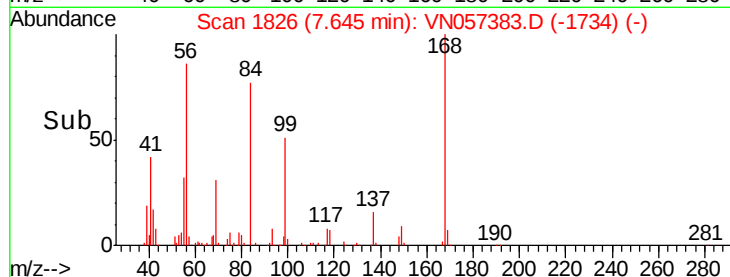
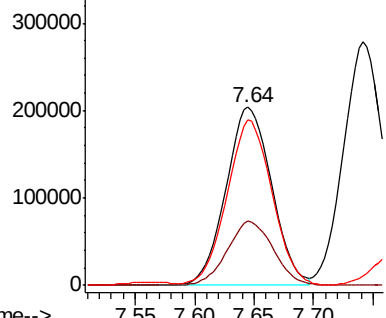
#31
Cyclohexane
Concen: 44.260 ug/l
RT: 7.64 min Scan# 1826
Delta R.T. -0.00 min
Lab File: VN057383.D
Acq: 17 Aug 2019 3:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 56 Resp: 541646
Ion Ratio Lower Upper
56 100
69 36.3 27.3 40.9
84 91.1 71.0 106.6

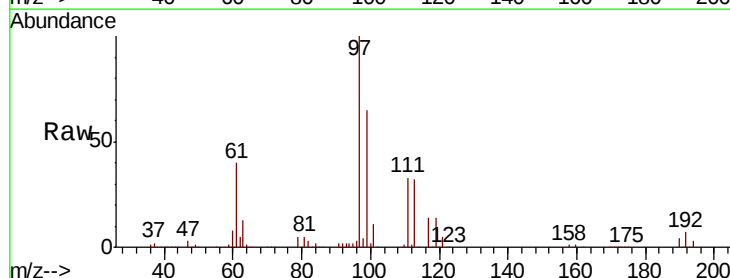


Abundance Ion 56.00 (55.70 to 56.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 84.00 (83.70 to 84.70): VNO

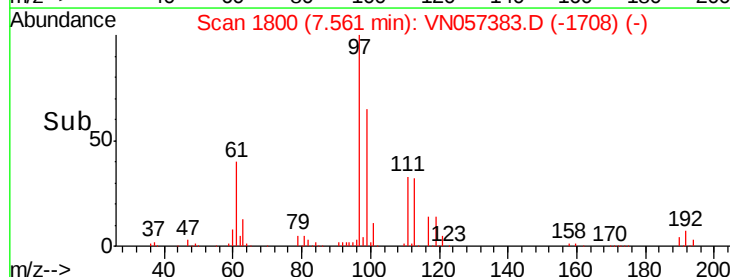
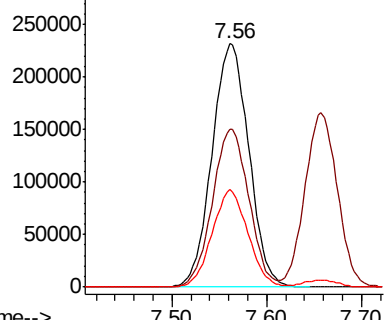


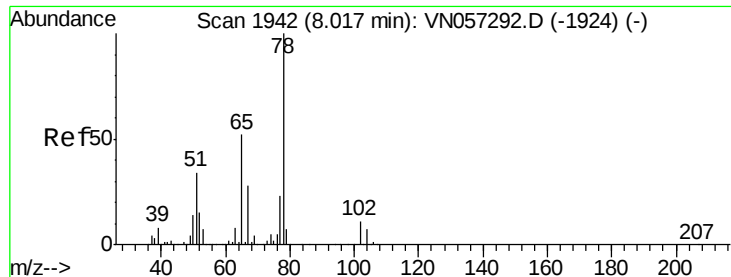
#32
1,1,1-Trichloroethane
Concen: 50.366 ug/l
RT: 7.56 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VN057383.D
Acq: 17 Aug 2019 3:17

Tgt Ion: 97 Resp: 626914
Ion Ratio Lower Upper
97 100
99 64.3 50.3 75.5
61 38.9 31.3 46.9



Abundance Ion 96.90 (96.60 to 97.60): VNO
Ion 98.90 (98.60 to 99.60): VNO
Ion 60.90 (60.60 to 61.60): VNO

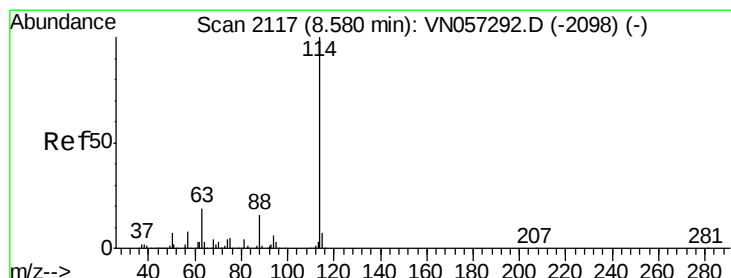
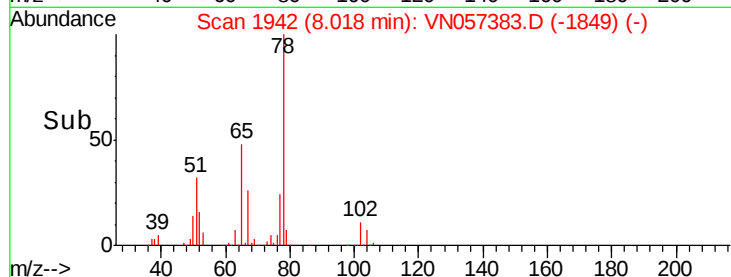
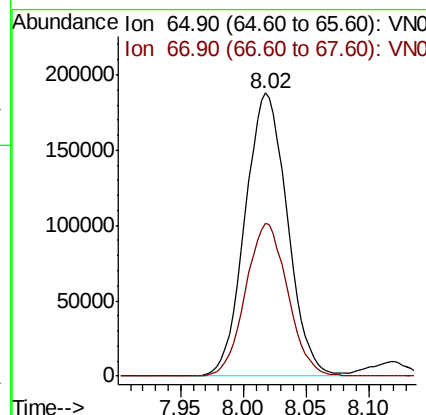
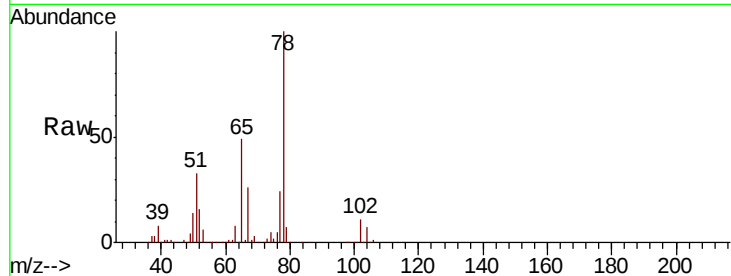




#33
 1,2-Dichloroethane-d4
 Concen: 49.142 ug/l
 RT: 8.02 min Scan# 1942
 Delta R.T. 0.00 min
 Lab File: VN057383.D
 Acq: 17 Aug 2019 3:17

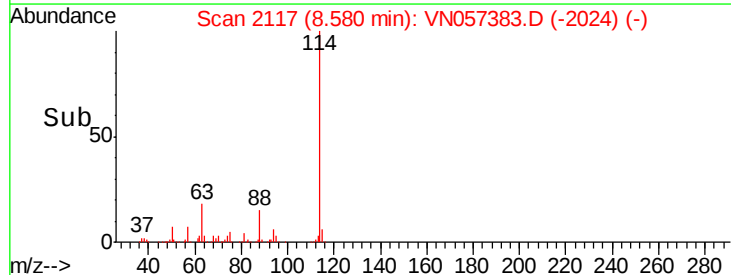
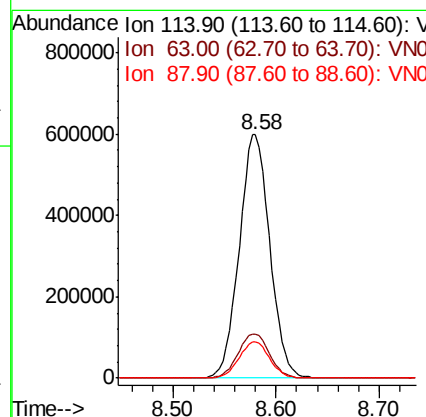
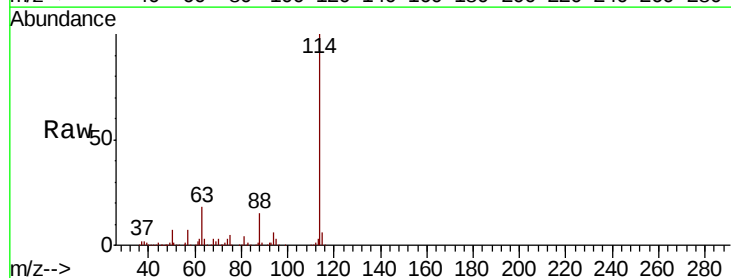
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

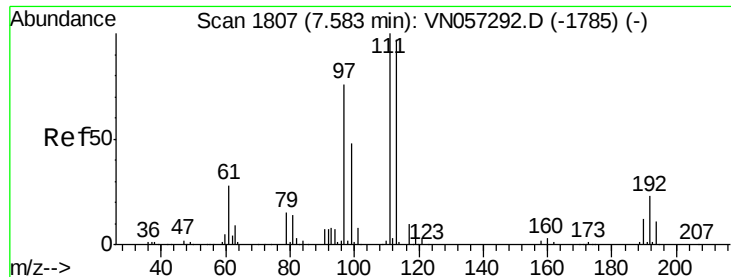
Tgt Ion: 65 Resp: 441358
 Ion Ratio Lower Upper
 65 100
 67 53.6 0.0 107.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2117
 Delta R.T. 0.00 min
 Lab File: VN057383.D
 Acq: 17 Aug 2019 3:17

Tgt Ion: 114 Resp: 1233080
 Ion Ratio Lower Upper
 114 100
 63 18.1 0.0 38.8
 88 15.0 0.0 31.4

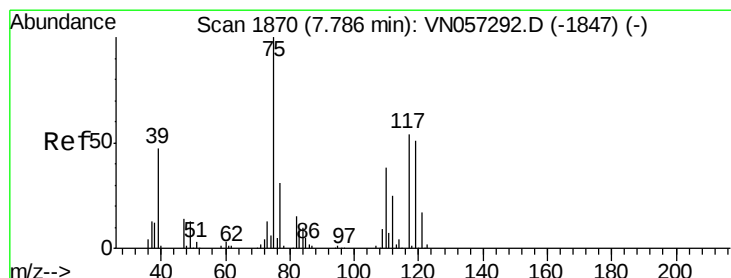
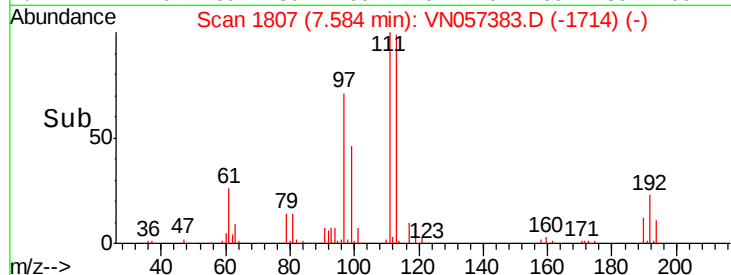
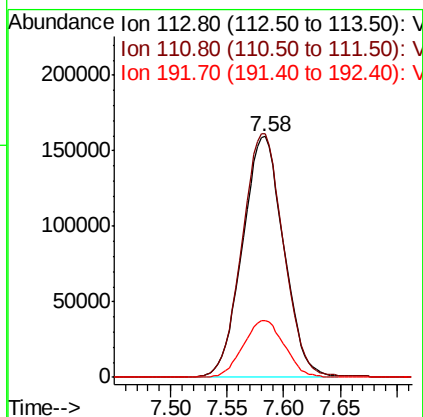
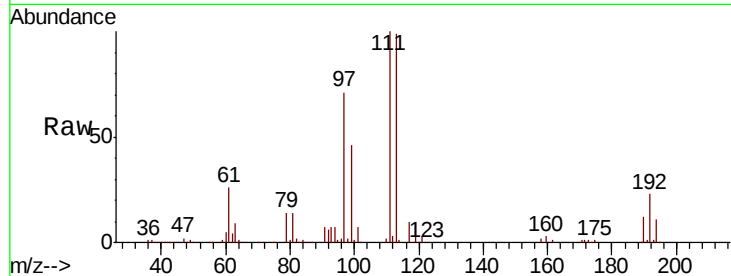




#35
 Dibromofluoromethane
 Concen: 49.933 ug/l
 RT: 7.58 min Scan# 1807
 Delta R.T. 0.00 min
 Lab File: VN057383.D
 Acq: 17 Aug 2019 3:17

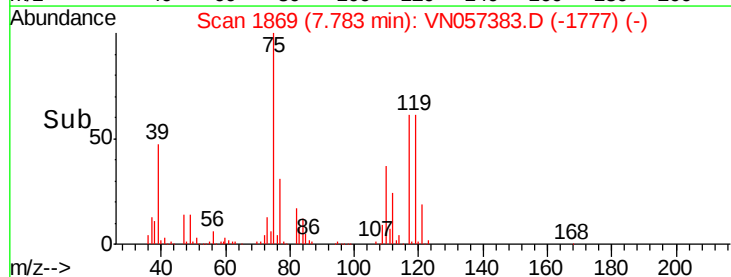
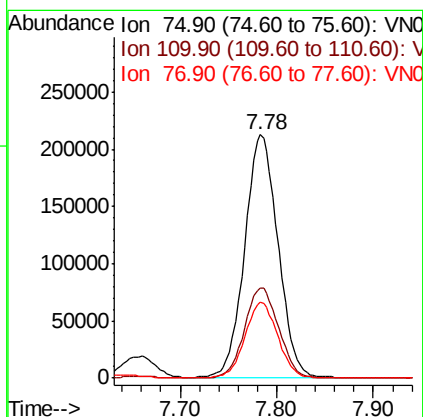
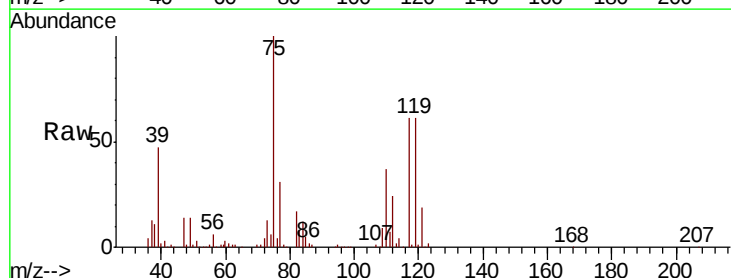
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

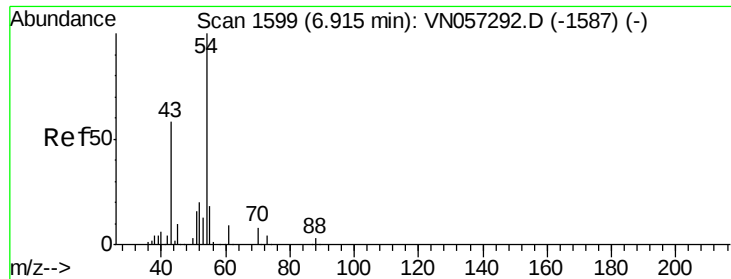
Tgt Ion: 113 Resp: 403612
 Ion Ratio Lower Upper
 113 100
 111 101.9 82.1 123.1
 192 23.8 19.3 28.9



#36
 1,1-Dichloropropene
 Concen: 46.744 ug/l
 RT: 7.78 min Scan# 1869
 Delta R.T. -0.00 min
 Lab File: VN057383.D
 Acq: 17 Aug 2019 3:17

Tgt Ion: 75 Resp: 508918
 Ion Ratio Lower Upper
 75 100
 110 37.9 19.5 58.5
 77 31.1 25.0 37.6

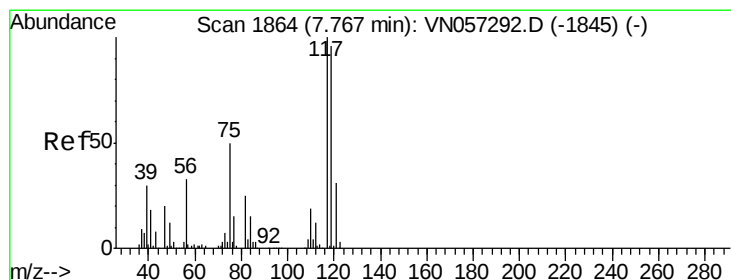
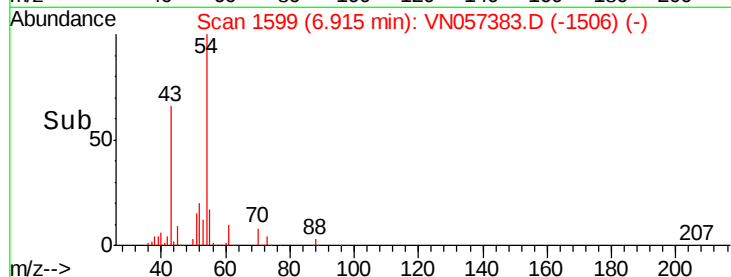
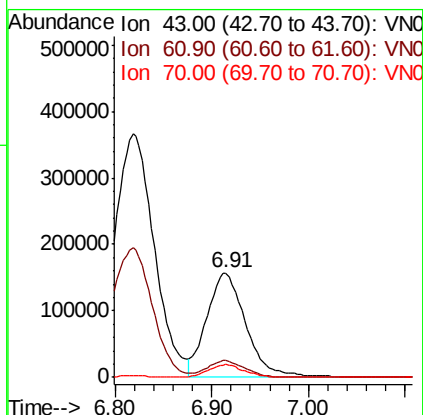
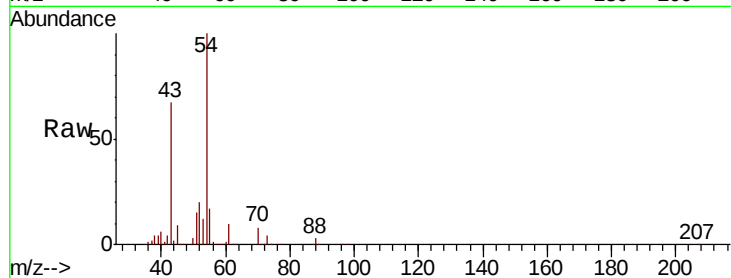




#37
 Ethyl Acetate
 Concen: 48.864 ug/l
 RT: 6.91 min Scan# 1599
 Delta R.T. 0.00 min
 Lab File: VN057383.D
 Acq: 17 Aug 2019 3:17

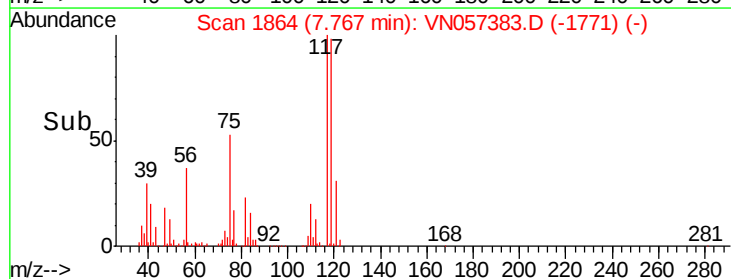
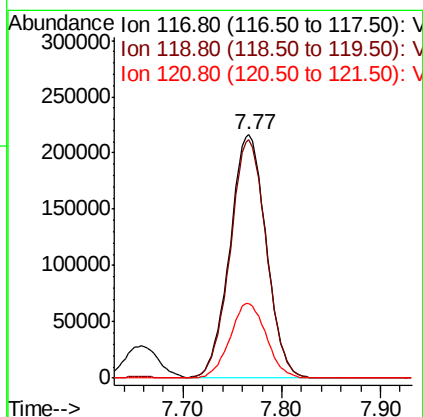
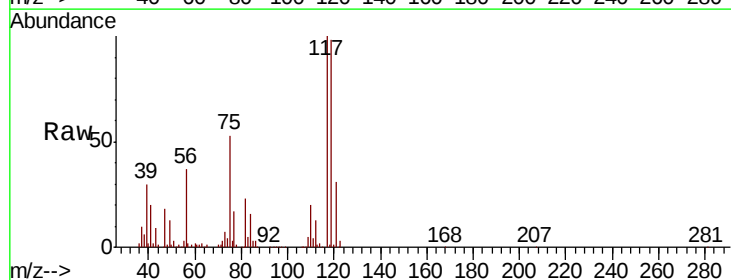
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

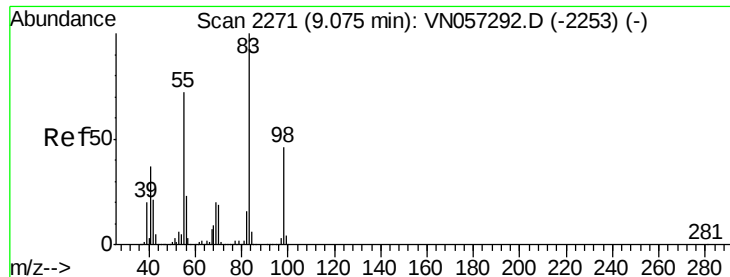
Tgt Ion: 43 Resp: 435728
 Ion Ratio Lower Upper
 43 100
 61 15.8 12.0 18.0
 70 11.5 9.2 13.8



#38
 Carbon Tetrachloride
 Concen: 48.858 ug/l
 RT: 7.77 min Scan# 1864
 Delta R.T. 0.00 min
 Lab File: VN057383.D
 Acq: 17 Aug 2019 3:17

Tgt Ion: 117 Resp: 552678
 Ion Ratio Lower Upper
 117 100
 119 97.8 76.8 115.2
 121 30.7 25.0 37.4

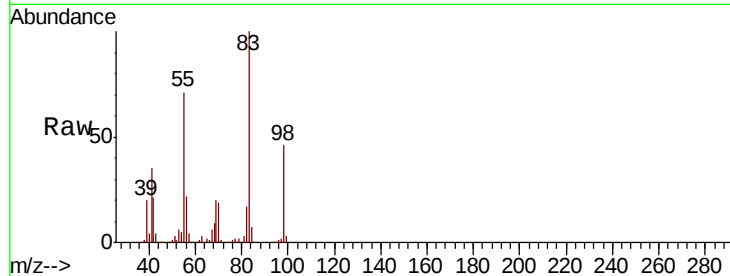




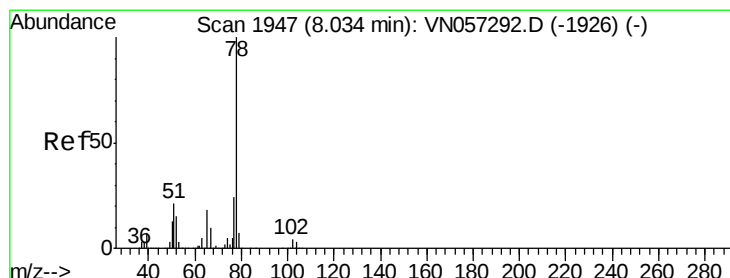
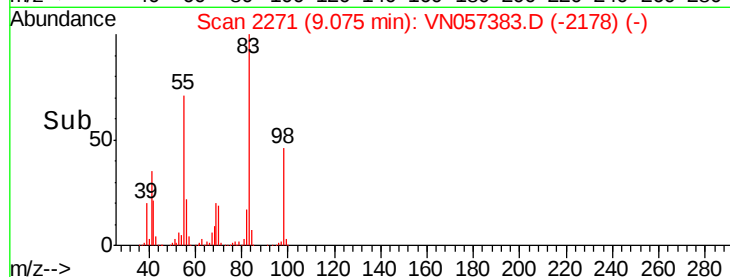
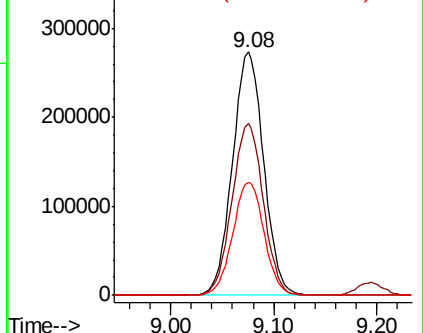
#39
Methylcyclohexane
Concen: 45.277 ug/l
RT: 9.08 min Scan# 2271
Delta R.T. 0.00 min
Lab File: VN057383.D
Acq: 17 Aug 2019 3:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 83 Resp: 575604
Ion Ratio Lower Upper
83 100
55 70.8 57.5 86.3
98 46.2 36.6 55.0

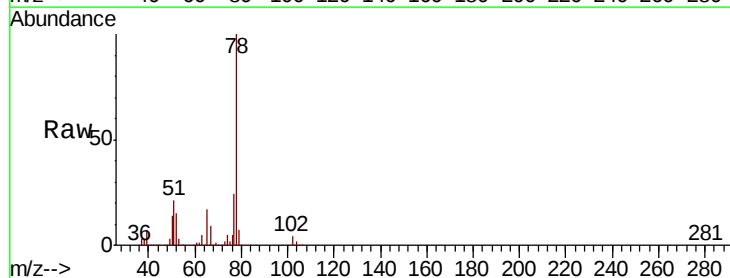


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

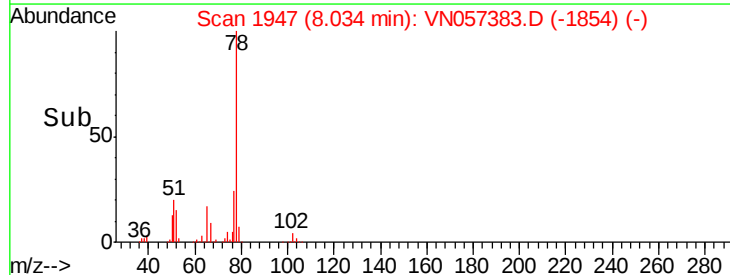
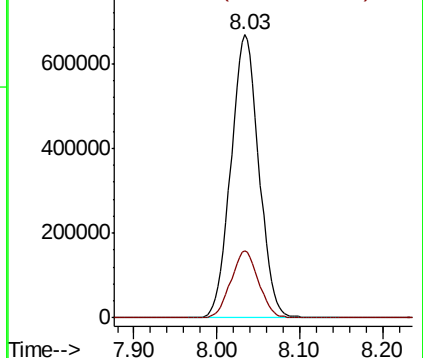


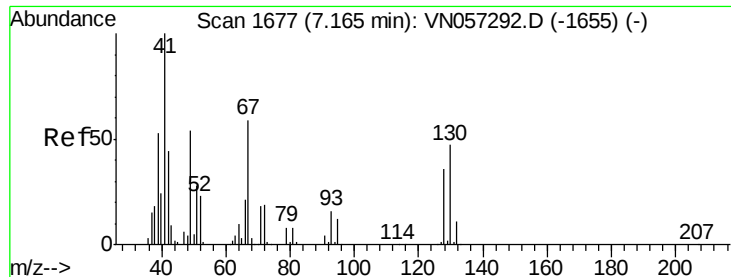
#40
Benzene
Concen: 47.153 ug/l
RT: 8.03 min Scan# 1947
Delta R.T. 0.00 min
Lab File: VN057383.D
Acq: 17 Aug 2019 3:17

Tgt Ion: 78 Resp: 1570205
Ion Ratio Lower Upper
78 100
77 23.7 19.1 28.7



Abundance Ion 78.00 (77.70 to 78.70): VN0
Ion 77.00 (76.70 to 77.70): VN0

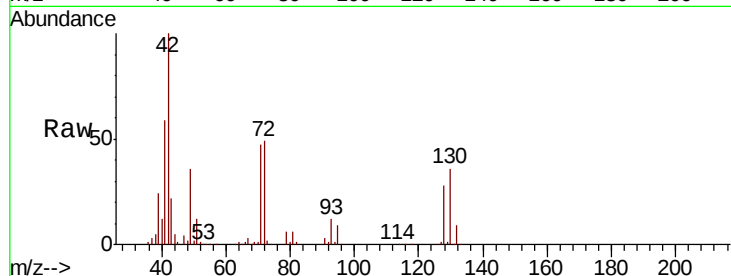




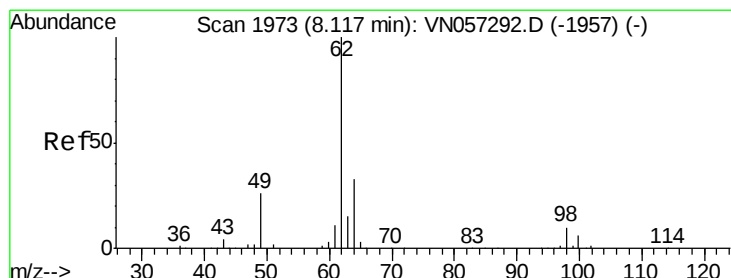
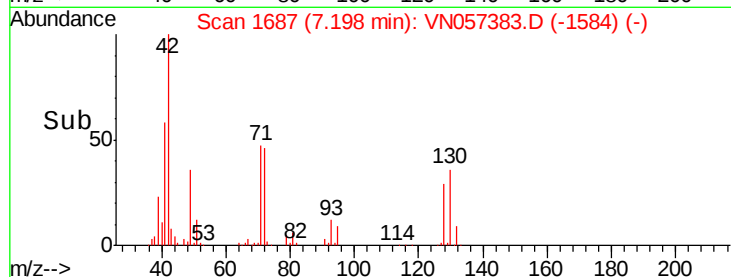
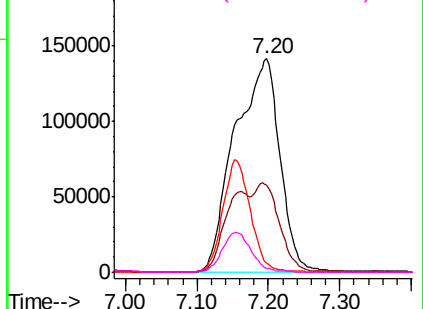
#41
Methacrylonitrile
Concen: 154.202 ug/l
RT: 7.20 min Scan# 1687
Delta R.T. 0.03 min
Lab File: VN057383.D
Acq: 17 Aug 2019 3:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:	41	Resp:	619229
Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

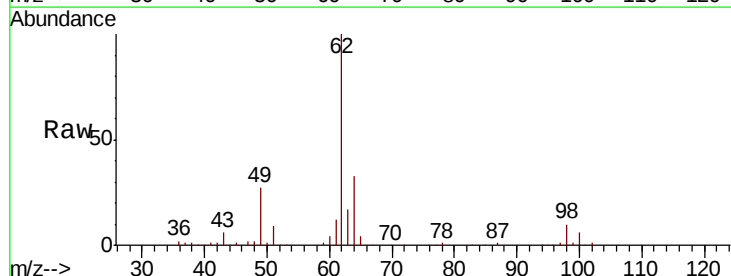


Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 67.00 (66.70 to 67.70): VNO
Ion 52.00 (51.70 to 52.70): VNO

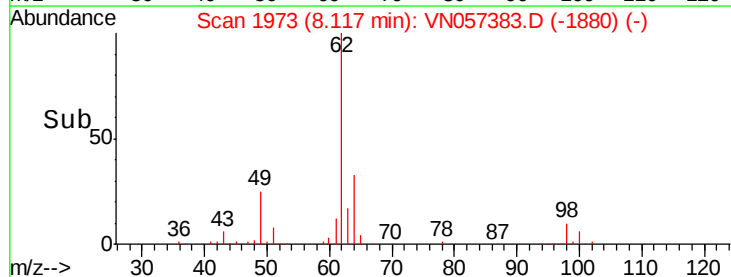
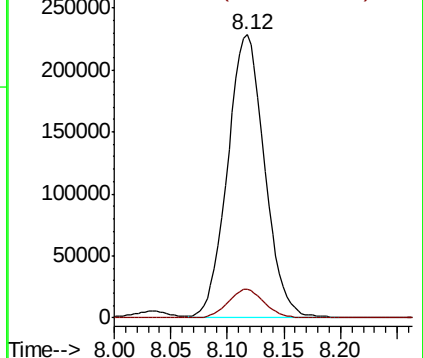


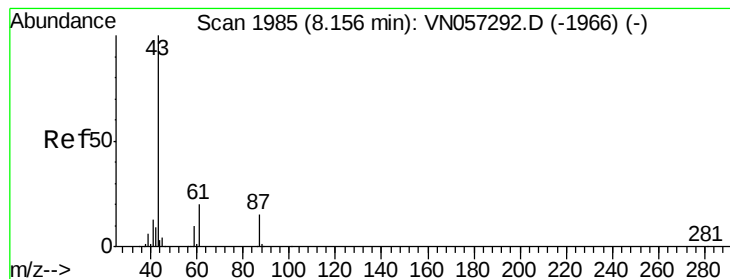
#42
1,2-Dichloroethane
Concen: 47.151 ug/l
RT: 8.12 min Scan# 1973
Delta R.T. 0.00 min
Lab File: VN057383.D
Acq: 17 Aug 2019 3:17

Tgt Ion:	62	Resp:	519671
Ion	Ratio	Lower	Upper
62	100		
98	9.9	0.0	19.4



Abundance Ion 61.90 (61.60 to 62.60): VNO
Ion 97.90 (97.60 to 98.60): VNO





#43

Isopropyl Acetate

Concen: 56.220 ug/l

RT: 8.15 min Scan# 1984

Delta R.T. -0.00 min

Lab File: VN057383.D

Acq: 17 Aug 2019 3:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

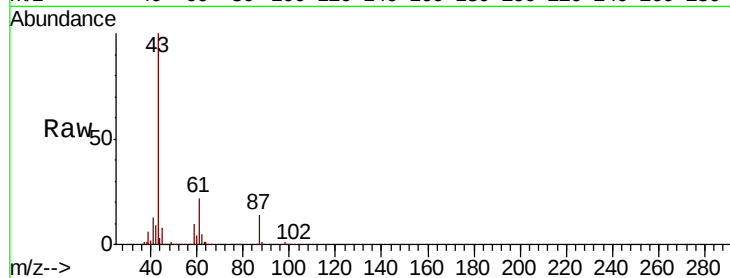
Tgt Ion: 43 Resp: 914520

Ion Ratio Lower Upper

43 100

61 23.7 21.6 32.4

87 12.6 11.4 17.0



Abundance Ion 43.00 (42.70 to 43.70): VN057292.D (-1966) (-)

Ion 61.00 (60.70 to 61.70): VN057292.D (-1966) (-)

Ion 87.00 (86.70 to 87.70): VN057292.D (-1966) (-)

8.15

400000

300000

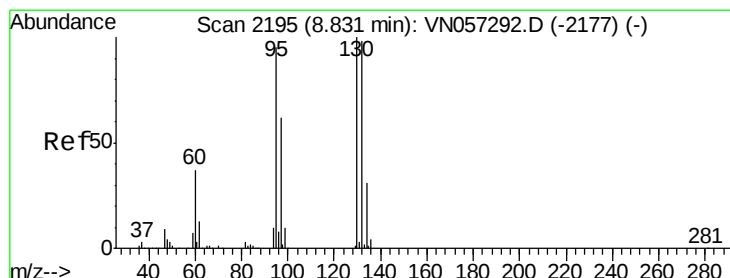
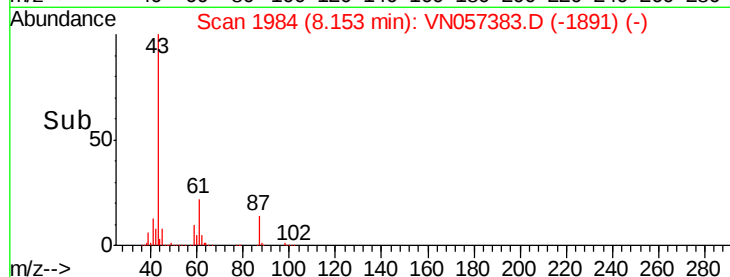
200000

100000

0

8.00 8.10 8.20 8.30

Time-->



#44

Trichloroethene

Concen: 48.433 ug/l

RT: 8.83 min Scan# 2194

Delta R.T. -0.00 min

Lab File: VN057383.D

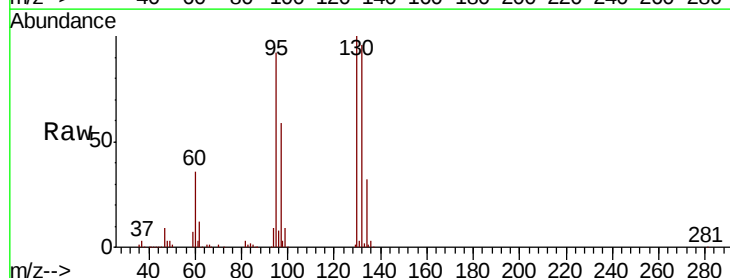
Acq: 17 Aug 2019 3:17

Tgt Ion: 130 Resp: 453441

Ion Ratio Lower Upper

130 100

95 91.5 0.0 189.2



Abundance Ion 129.80 (129.50 to 130.50): VN057292.D (-2177) (-)

Ion 94.90 (94.60 to 95.60): VN057292.D (-2177) (-)

8.83

250000

200000

150000

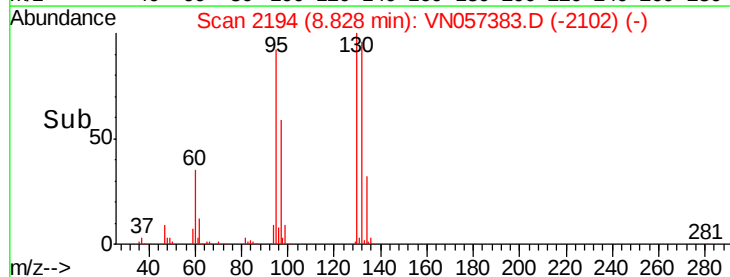
100000

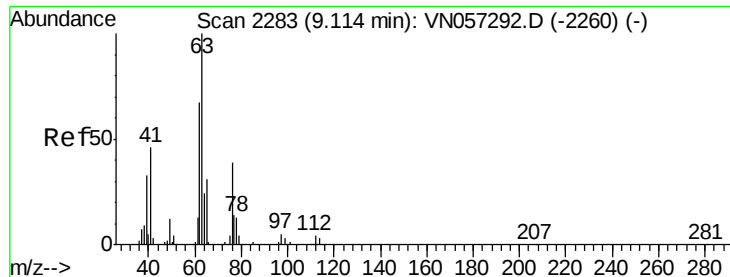
50000

0

8.75 8.80 8.85 8.90

Time-->





#45

1,2-Dichloropropane

Concen: 47.703 ug/l

RT: 9.11 min Scan# 2282

Delta R.T. -0.00 min

Lab File: VN057383.D

Acq: 17 Aug 2019 3:17

Instrument :

MSVOA_N

ClientSampleId :

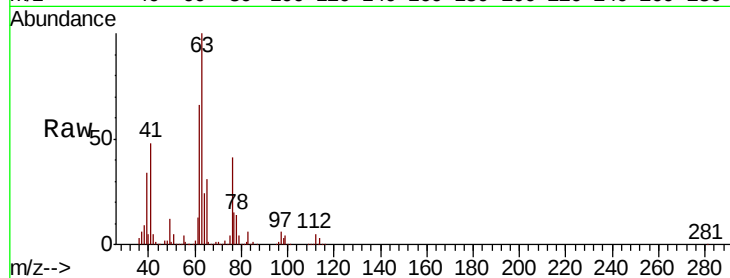
VSTDCCC050EC

Tgt Ion: 63 Resp: 409453

Ion Ratio Lower Upper

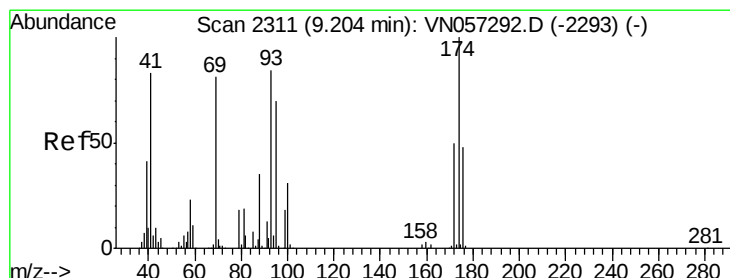
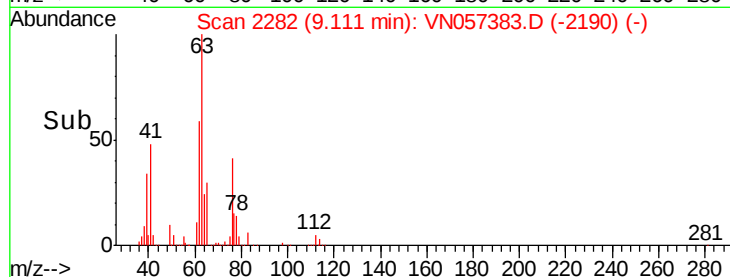
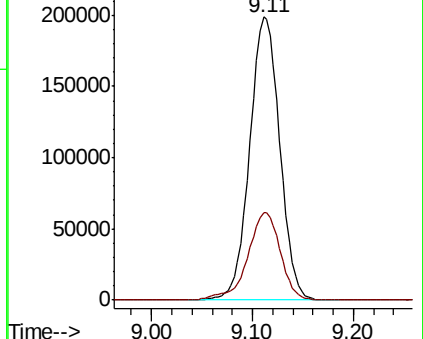
63 100

65 30.8 24.8 37.2



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 48.383 ug/l

RT: 9.20 min Scan# 2311

Delta R.T. 0.00 min

Lab File: VN057383.D

Acq: 17 Aug 2019 3:17

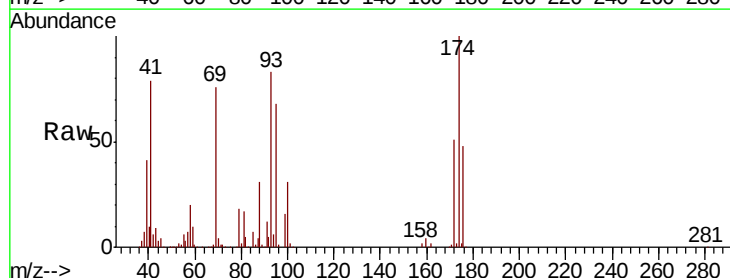
Tgt Ion: 93 Resp: 277055

Ion Ratio Lower Upper

93 100

95 83.6 66.5 99.7

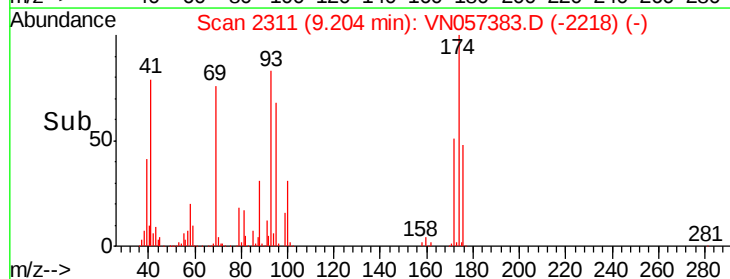
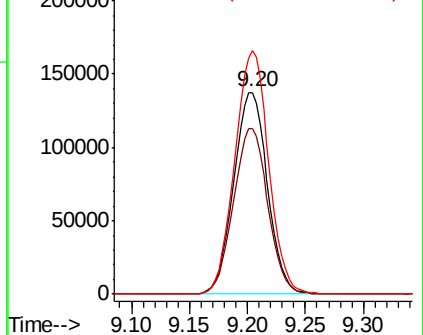
174 121.3 95.7 143.5

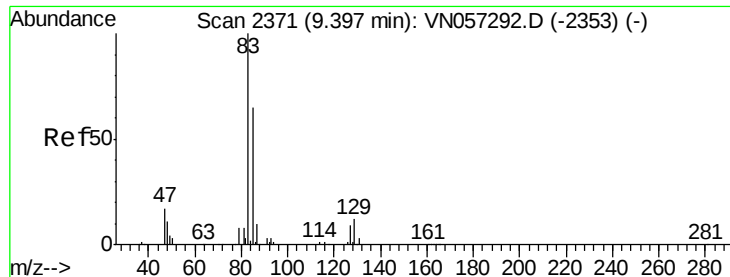


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 48.788 ug/l

RT: 9.40 min Scan# 2371

Delta R.T. 0.00 min

Lab File: VN057383.D

Acq: 17 Aug 2019 3:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

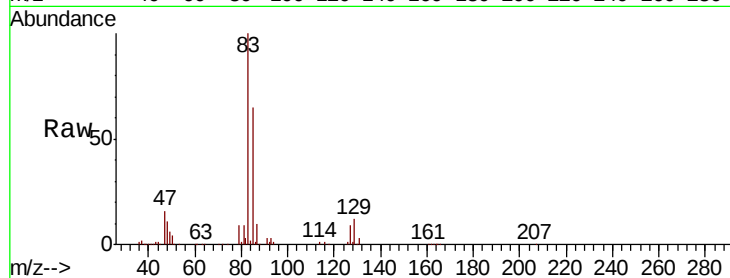
Tgt Ion: 83 Resp: 553531

Ion Ratio Lower Upper

83 100

85 64.8 51.9 77.9

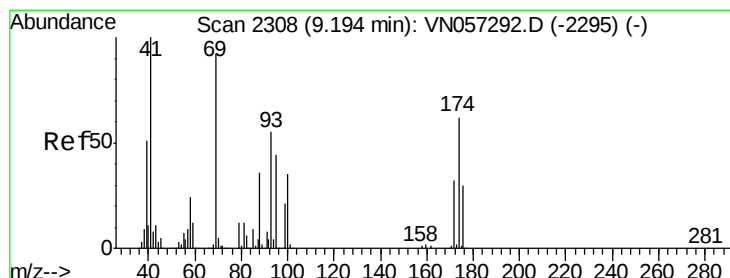
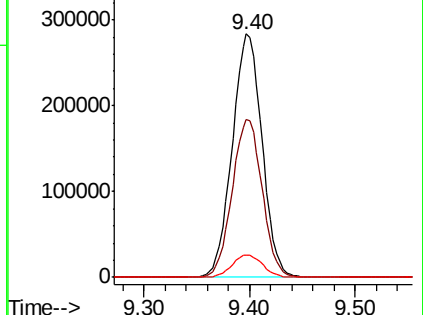
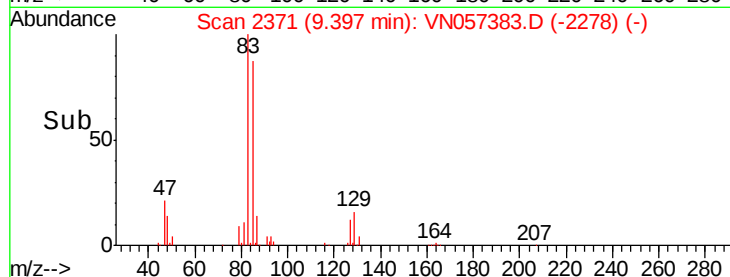
127 9.3 7.2 10.8



Abundance Ion 82.90 (82.60 to 83.60): VN057383.D (-2278) (-)

Ion 84.90 (84.60 to 85.60): VN057383.D (-2278) (-)

Ion 126.80 (126.50 to 127.50): VN057383.D (-2278) (-)



#48

Methyl methacrylate

Concen: 48.414 ug/l

RT: 9.19 min Scan# 2308

Delta R.T. 0.00 min

Lab File: VN057383.D

Acq: 17 Aug 2019 3:17

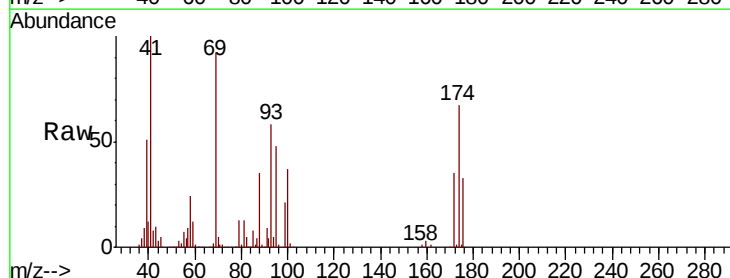
Tgt Ion: 41 Resp: 355505

Ion Ratio Lower Upper

41 100

69 96.5 75.9 113.9

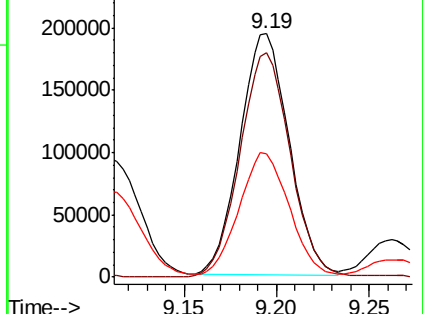
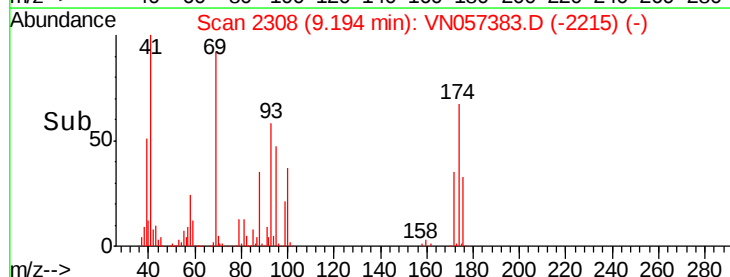
39 53.0 42.3 63.5

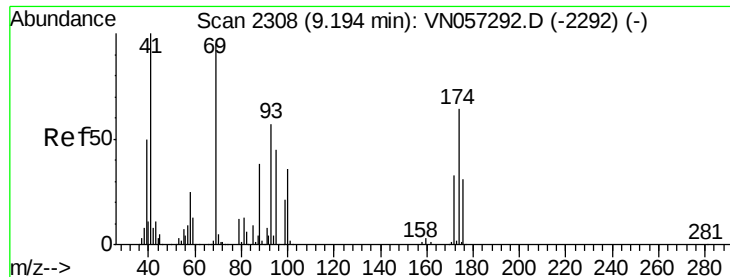


Abundance Ion 41.00 (40.70 to 41.70): VN057383.D (-2215) (-)

Ion 69.00 (68.70 to 69.70): VN057383.D (-2215) (-)

Ion 39.00 (38.70 to 39.70): VN057383.D (-2215) (-)

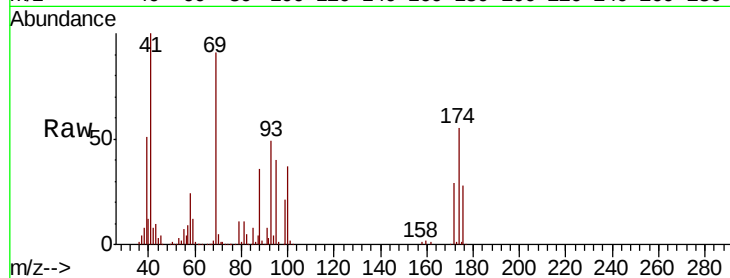




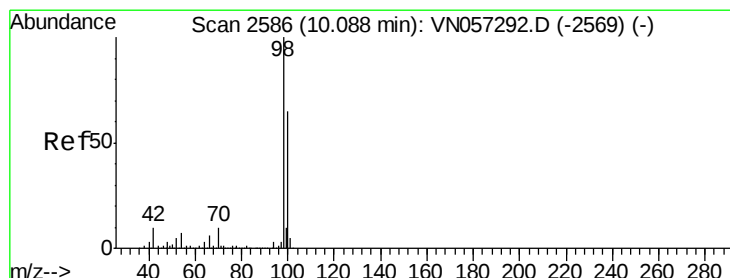
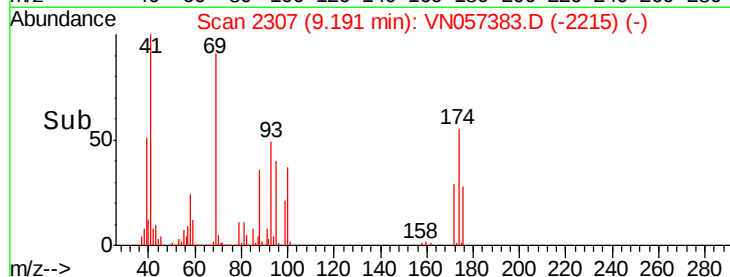
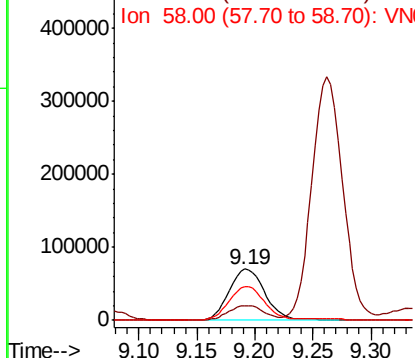
#49
1,4-Dioxane
Concen: 986.208 ug/l
RT: 9.19 min Scan# 2307
Delta R.T. -0.00 min
Lab File: VN057383.D
Acq: 17 Aug 2019 3:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 88 Resp: 152292
Ion Ratio Lower Upper
88 100
43 27.4 22.9 34.3
58 65.0 52.7 79.1

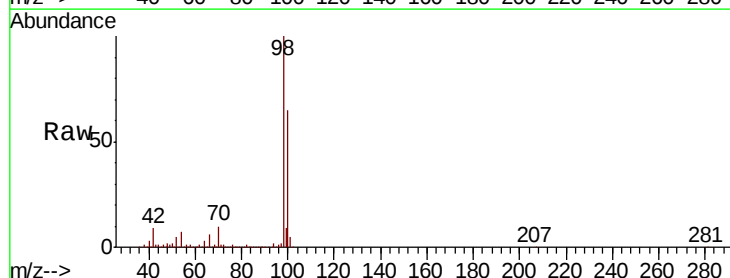


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

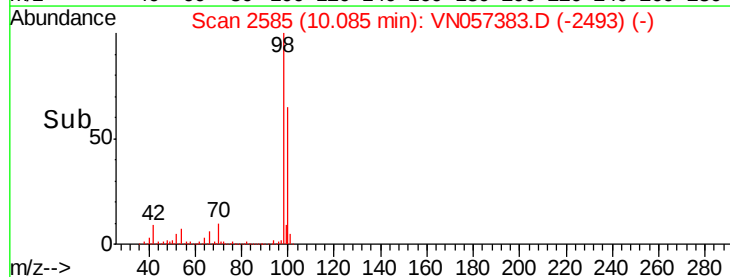
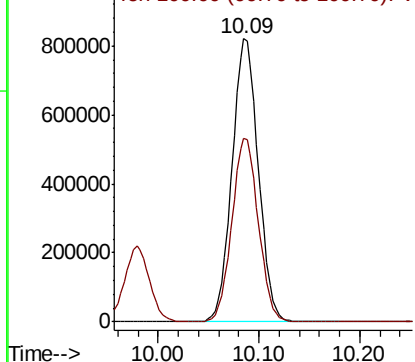


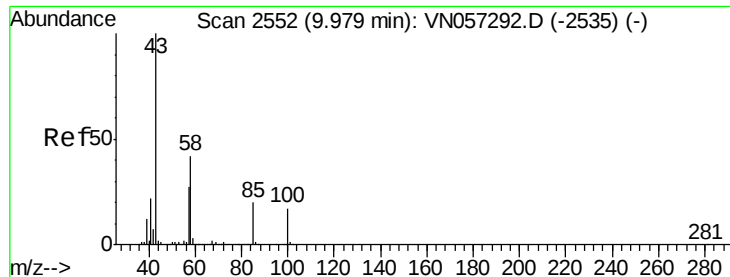
#50
Toluene-d8
Concen: 50.261 ug/l
RT: 10.09 min Scan# 2585
Delta R.T. -0.00 min
Lab File: VN057383.D
Acq: 17 Aug 2019 3:17

Tgt Ion: 98 Resp: 1485920
Ion Ratio Lower Upper
98 100
100 65.3 51.9 77.9



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

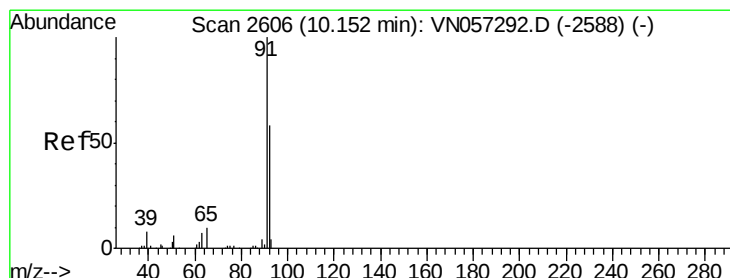
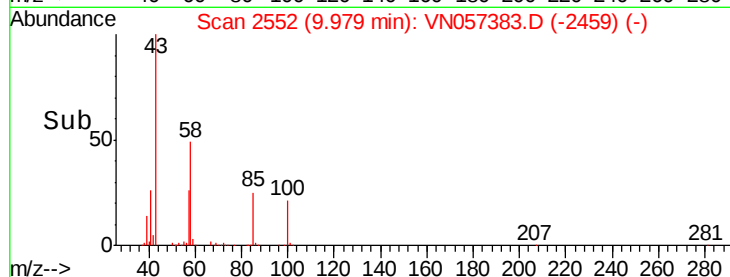
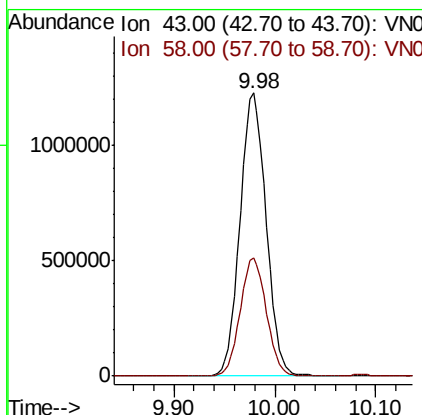
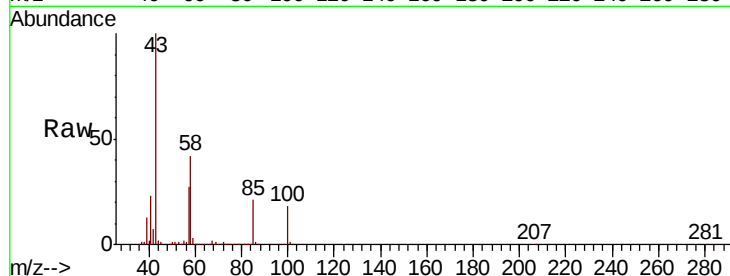




#51
 4-Methyl-2-Pentanone
 Concen: 238.742 ug/l
 RT: 9.98 min Scan# 2552
 Delta R.T. 0.00 min
 Lab File: VN057383.D
 Acq: 17 Aug 2019 3:17

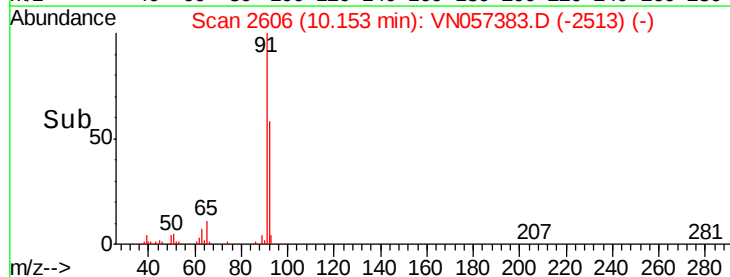
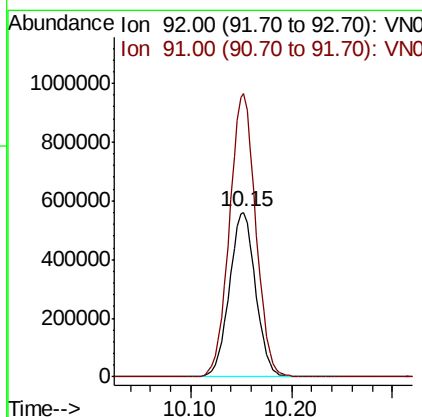
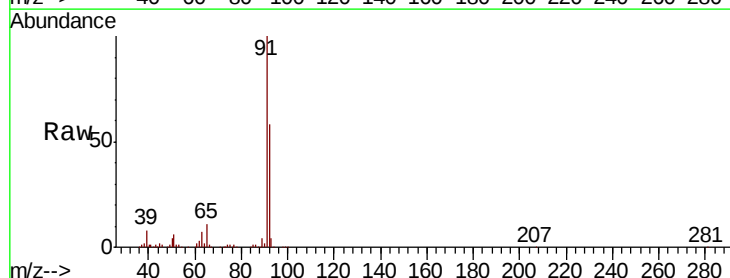
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

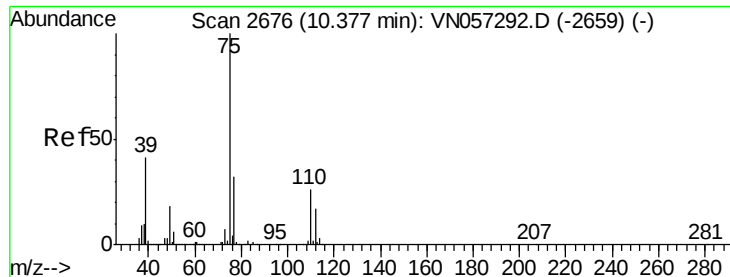
Tgt Ion: 43 Resp: 2196277
 Ion Ratio Lower Upper
 43 100
 58 41.8 33.2 49.8



#52
 Toluene
 Concen: 48.951 ug/l
 RT: 10.15 min Scan# 2606
 Delta R.T. 0.00 min
 Lab File: VN057383.D
 Acq: 17 Aug 2019 3:17

Tgt Ion: 92 Resp: 1014613
 Ion Ratio Lower Upper
 92 100
 91 172.5 138.9 208.3





#53

t-1,3-Dichloropropene

Concen: 47.234 ug/l

RT: 10.38 min Scan# 2676

Delta R.T. 0.00 min

Lab File: VN057383.D

Acq: 17 Aug 2019 3:17

Instrument :

MSVOA_N

ClientSampleId :

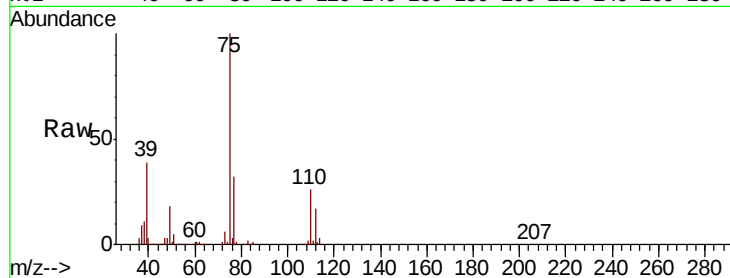
VSTDCCC050EC

Tgt Ion: 75 Resp: 579668

Ion Ratio Lower Upper

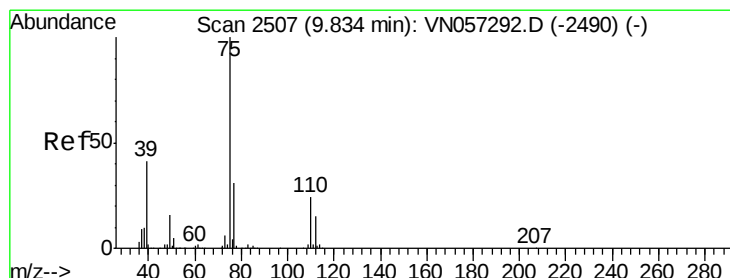
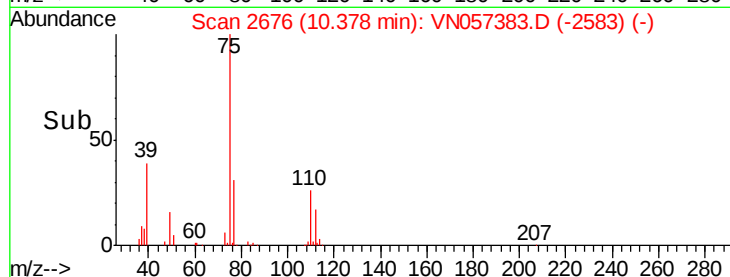
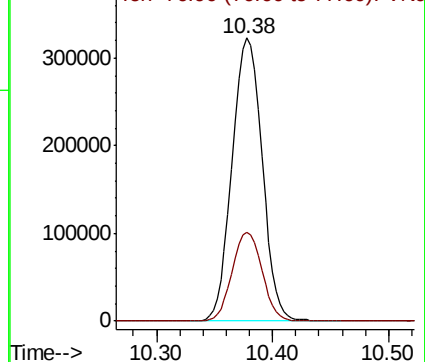
75 100

77 31.6 25.5 38.3



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 46.770 ug/l

RT: 9.83 min Scan# 2507

Delta R.T. 0.00 min

Lab File: VN057383.D

Acq: 17 Aug 2019 3:17

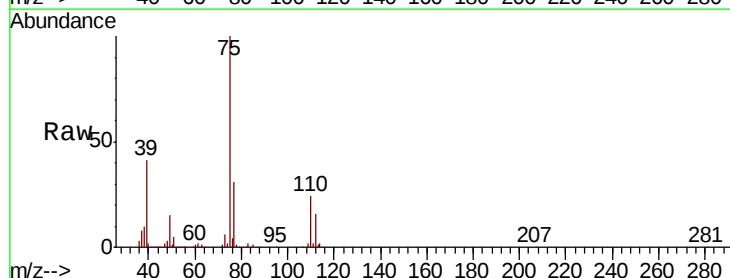
Tgt Ion: 75 Resp: 632927

Ion Ratio Lower Upper

75 100

77 31.0 24.9 37.3

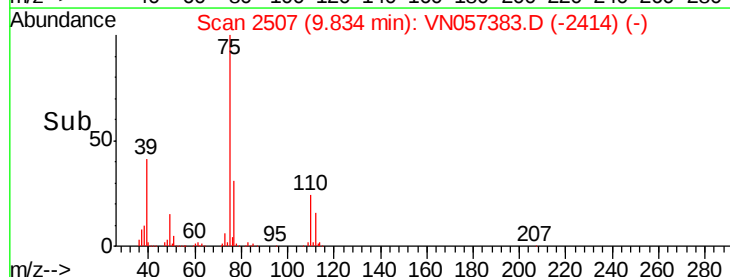
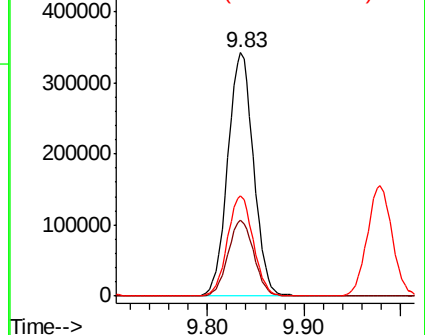
39 41.2 32.7 49.1

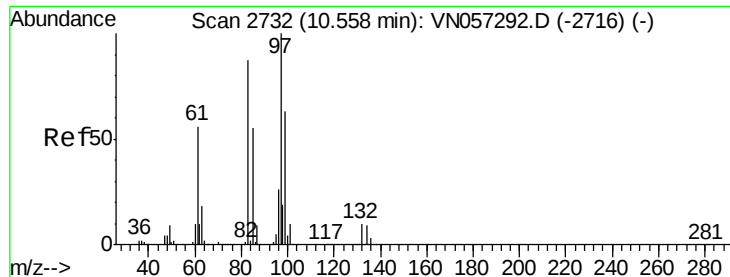


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

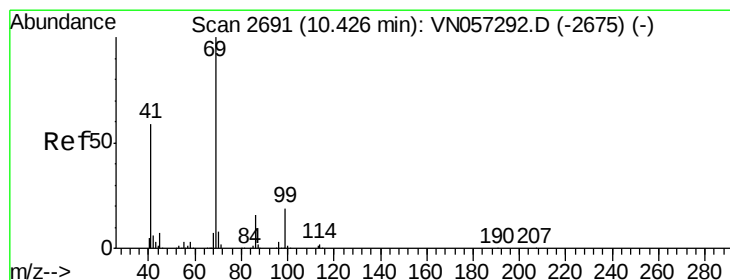
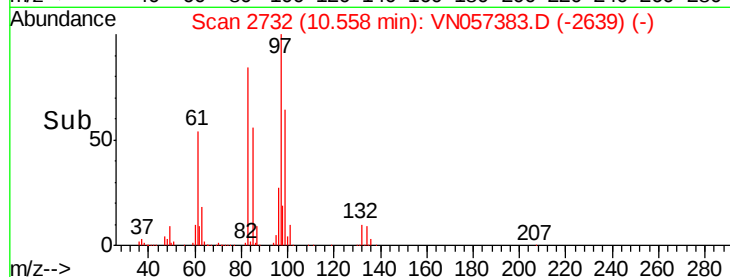
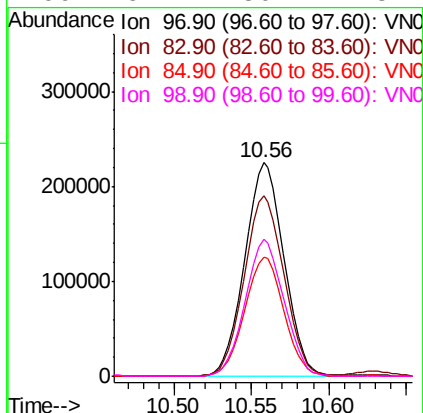
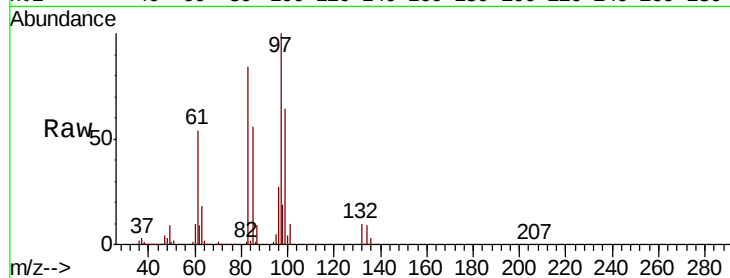




#55
 1,1,2-Trichloroethane
 Concen: 48.791 ug/l
 RT: 10.56 min Scan# 2732
 Delta R.T. 0.00 min
 Lab File: VN057383.D
 Acq: 17 Aug 2019 3:17

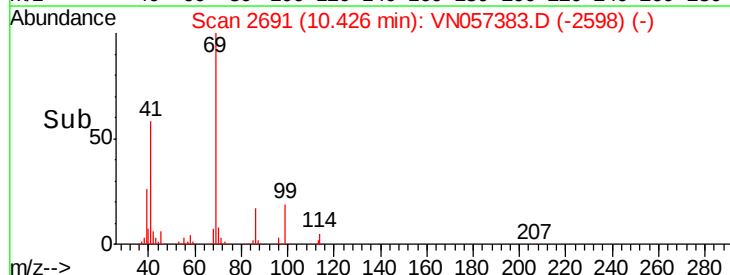
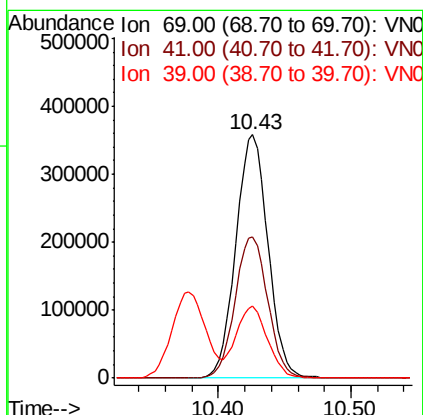
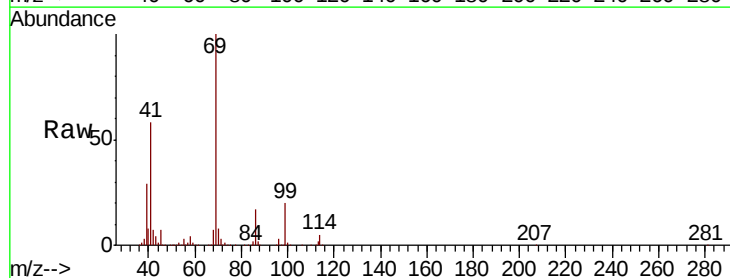
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

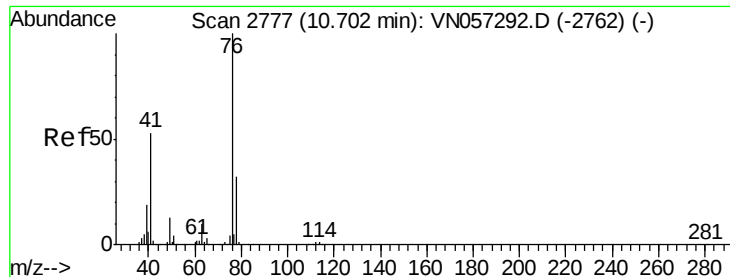
Tgt Ion:	97	Resp:	397660
Ion	Ratio	Lower	Upper
97	100		
83	84.5	69.8	104.8
85	55.9	44.1	66.1
99	64.1	50.2	75.2



#56
 Ethyl methacrylate
 Concen: 50.675 ug/l
 RT: 10.43 min Scan# 2691
 Delta R.T. 0.00 min
 Lab File: VN057383.D
 Acq: 17 Aug 2019 3:17

Tgt Ion:	69	Resp:	602729
Ion	Ratio	Lower	Upper
69	100		
41	58.8	48.2	72.2
39	28.7	23.4	35.0





#57

1,3-Dichloropropane

Concen: 48.100 ug/l

RT: 10.70 min Scan# 2777

Delta R.T. 0.00 min

Lab File: VN057383.D

Acq: 17 Aug 2019 3:17

Instrument :

MSVOA_N

ClientSampleId :

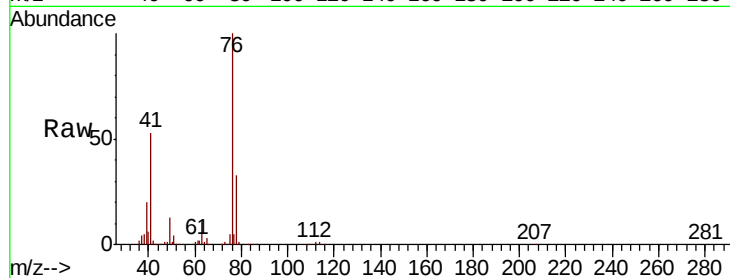
VSTDCCC050EC

Tgt Ion: 76 Resp: 654905

Ion Ratio Lower Upper

76 100

78 32.5 25.6 38.4



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

10.70

400000

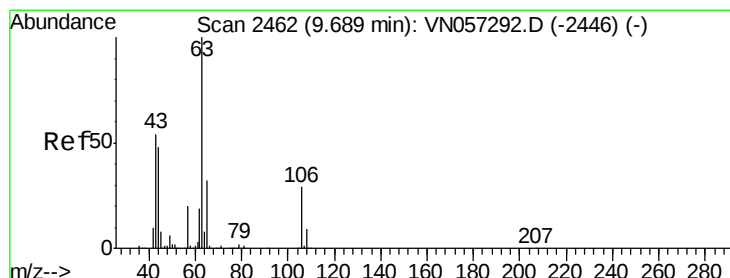
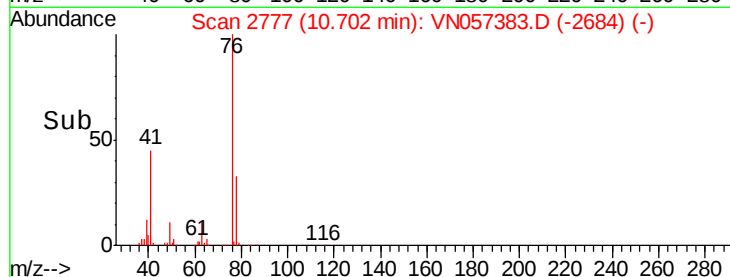
300000

200000

100000

0

Time--> 10.60 10.70 10.80



#58

2-Chloroethyl Vinyl ether

Concen: 206.087 ug/l

RT: 9.69 min Scan# 2462

Delta R.T. 0.00 min

Lab File: VN057383.D

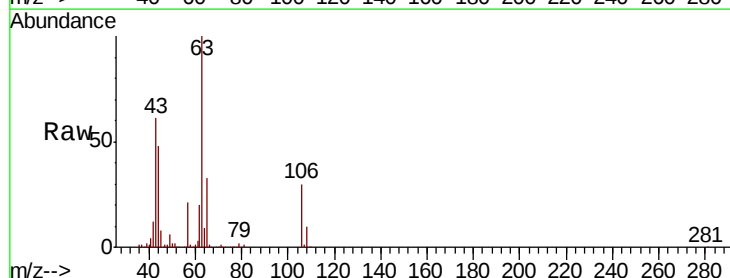
Acq: 17 Aug 2019 3:17

Tgt Ion: 63 Resp: 715450

Ion Ratio Lower Upper

63 100

106 29.8 23.2 34.8



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

9.69

400000

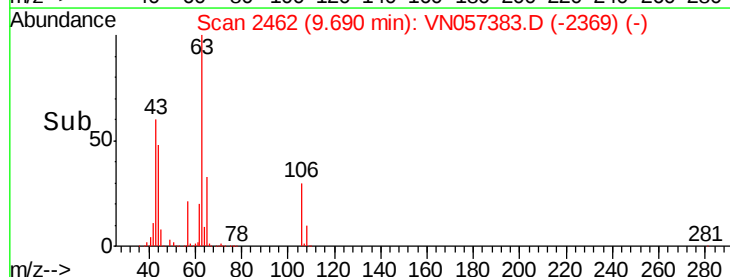
300000

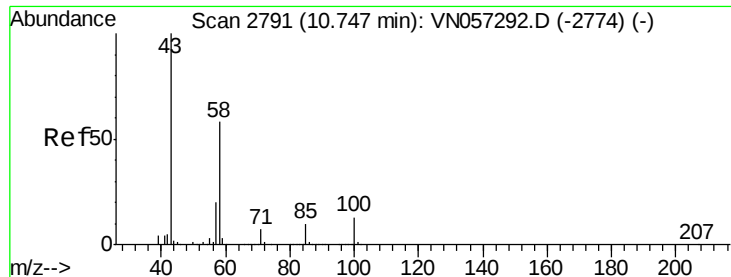
200000

100000

0

Time--> 9.60 9.70 9.80

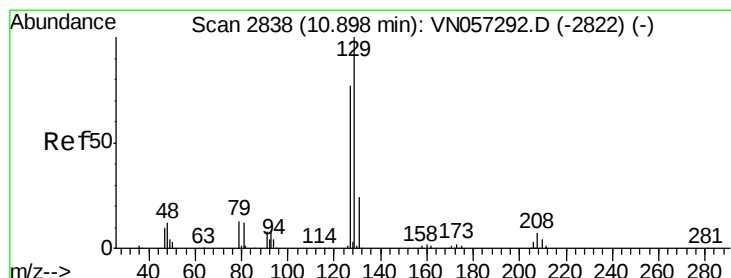
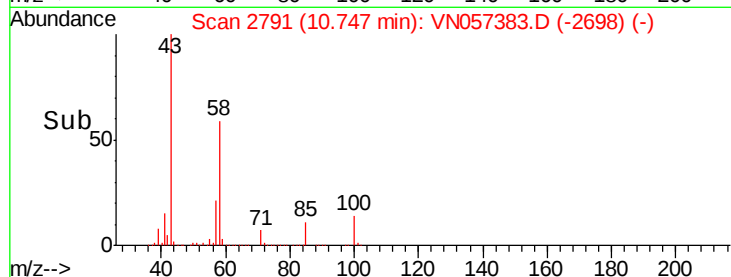
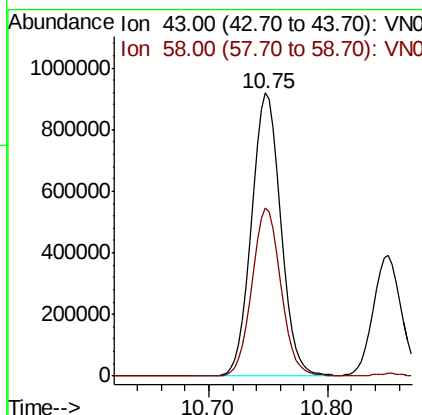
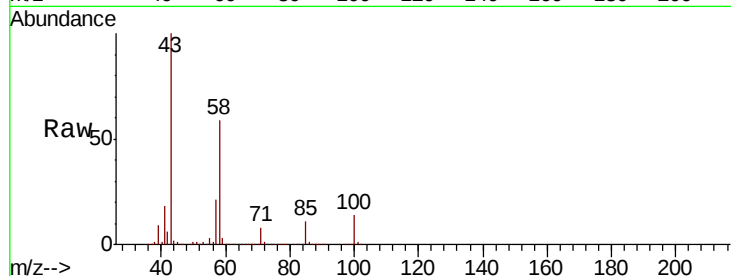




#59
2-Hexanone
Concen: 236.659 ug/l
RT: 10.75 min Scan# 2791
Delta R.T. 0.00 min
Lab File: VN057383.D
Acq: 17 Aug 2019 3:17

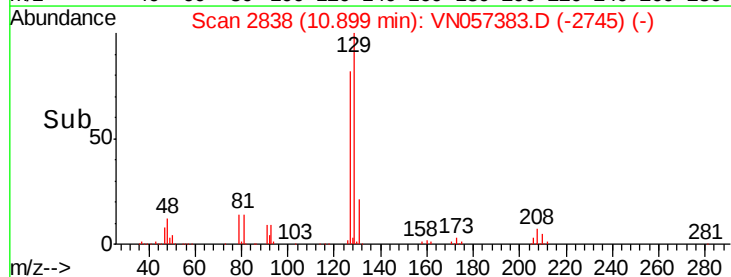
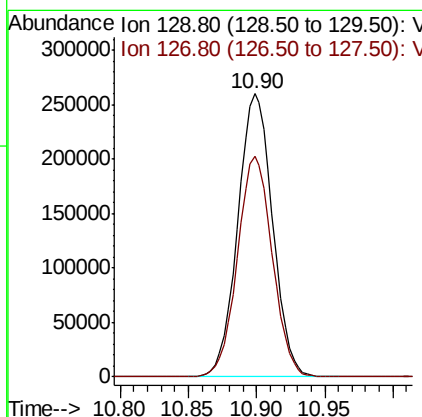
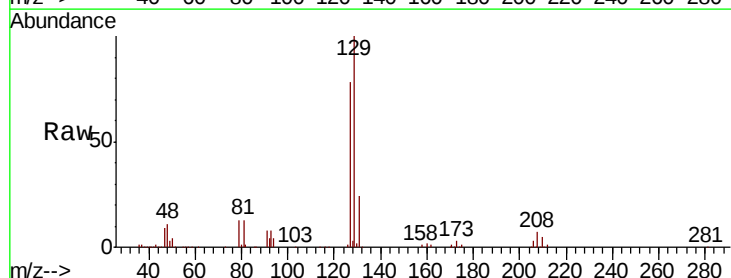
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

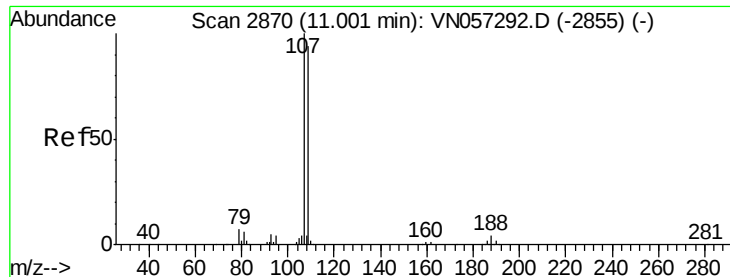
Tgt Ion: 43 Resp: 1565179
Ion Ratio Lower Upper
43 100
58 58.8 28.6 85.9



#60
Dibromochloromethane
Concen: 50.391 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. 0.00 min
Lab File: VN057383.D
Acq: 17 Aug 2019 3:17

Tgt Ion: 129 Resp: 460244
Ion Ratio Lower Upper
129 100
127 78.1 39.0 116.9

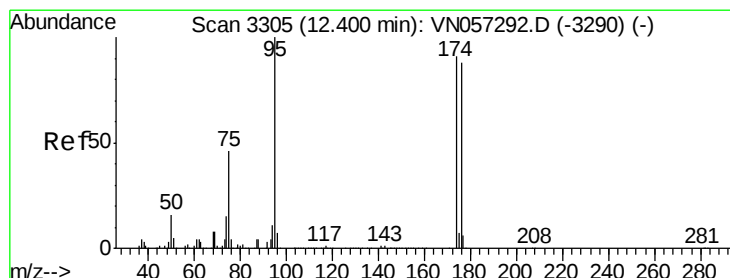
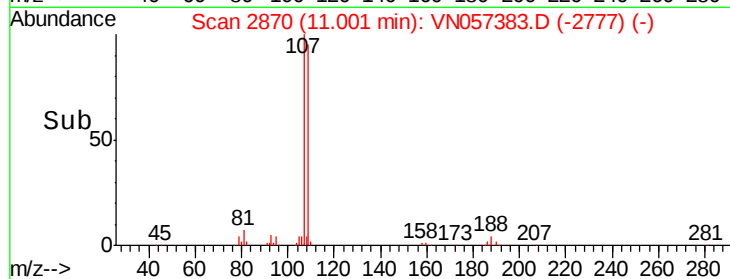
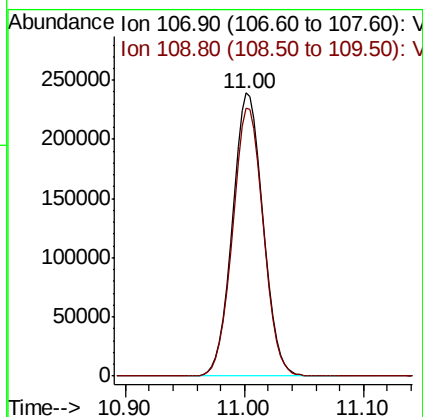
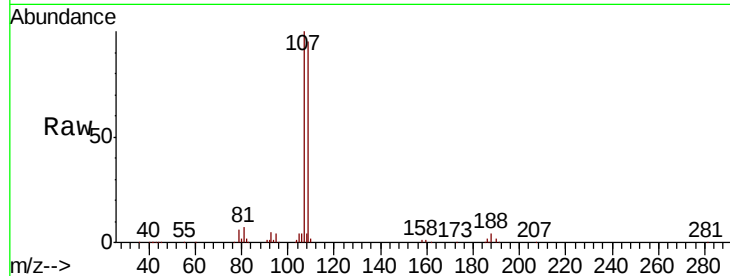




#61
 1,2-Dibromoethane
 Concen: 49.133 ug/l
 RT: 11.00 min Scan# 2870
 Delta R.T. 0.00 min
 Lab File: VN057383.D
 Acq: 17 Aug 2019 3:17

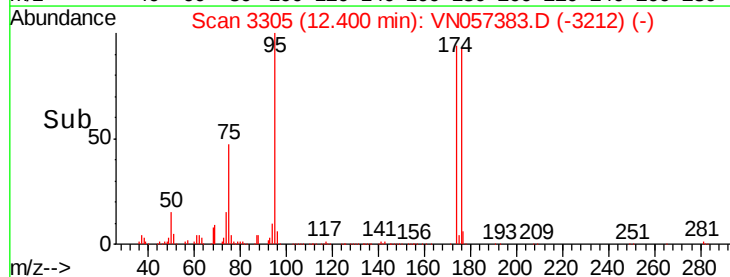
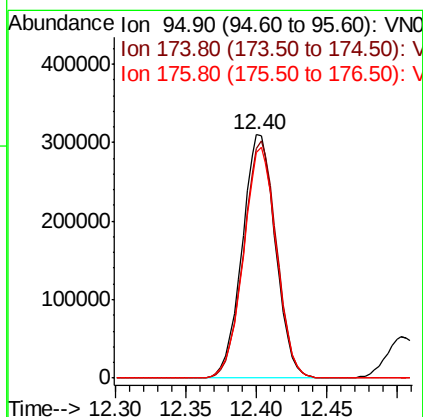
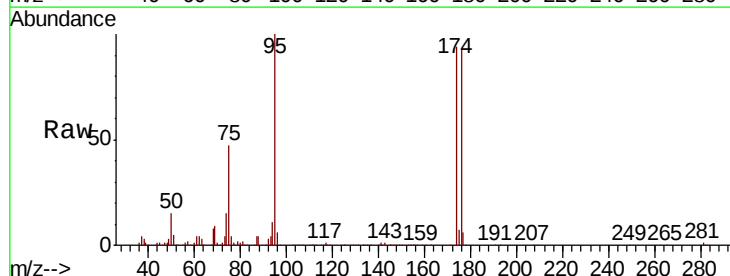
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

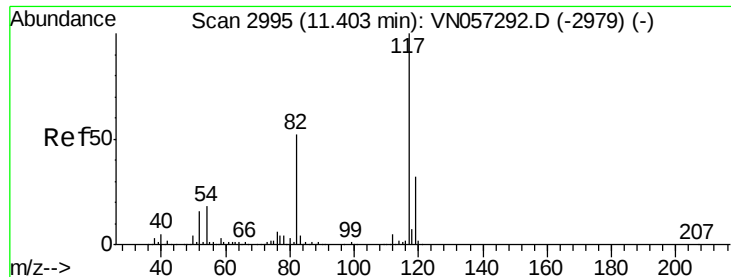
Tgt Ion: 107 Resp: 426573
 Ion Ratio Lower Upper
 107 100
 109 94.9 75.7 113.5



#62
 4-Bromofluorobenzene
 Concen: 48.974 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN057383.D
 Acq: 17 Aug 2019 3:17

Tgt Ion: 95 Resp: 511663
 Ion Ratio Lower Upper
 95 100
 174 96.6 0.0 185.0
 176 94.1 0.0 181.0

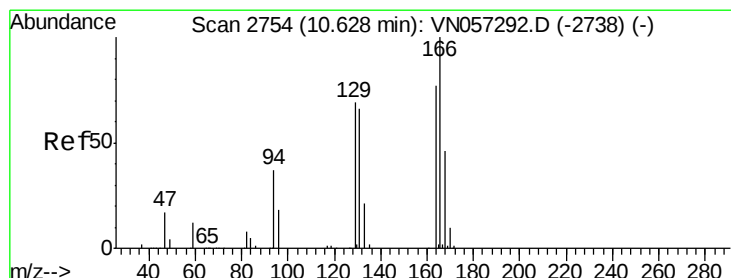
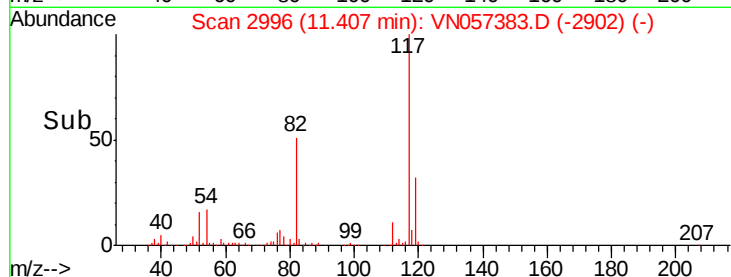
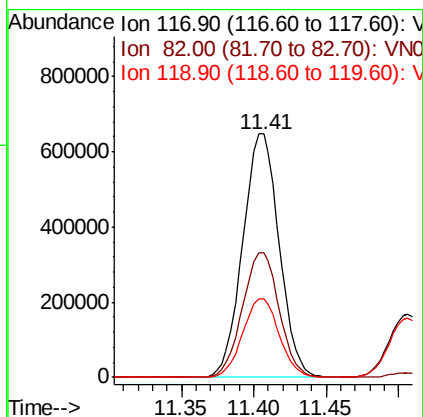
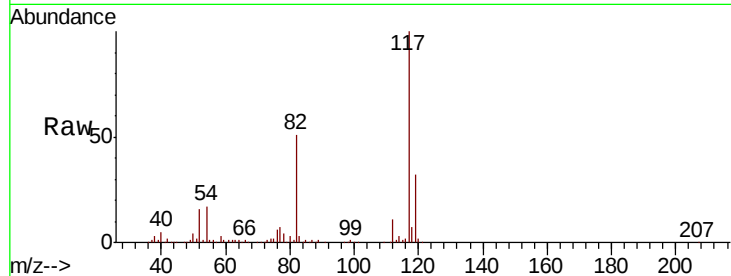




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN057383.D
Acq: 17 Aug 2019 3:17

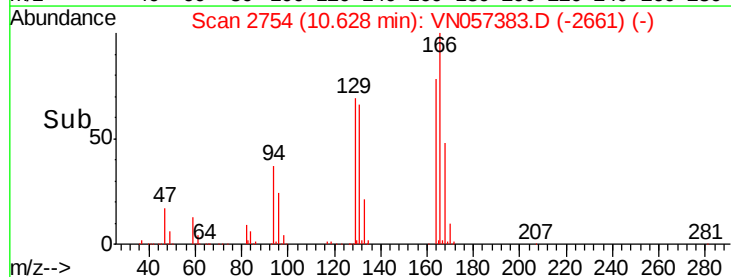
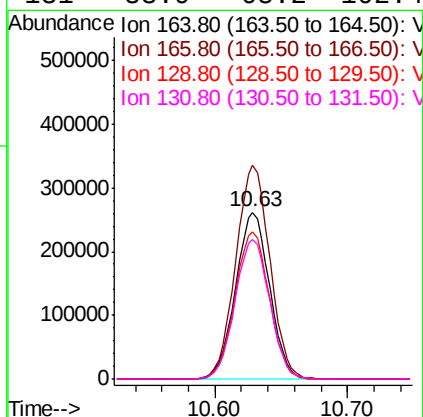
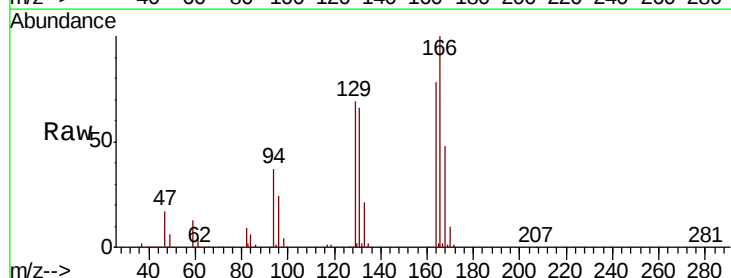
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

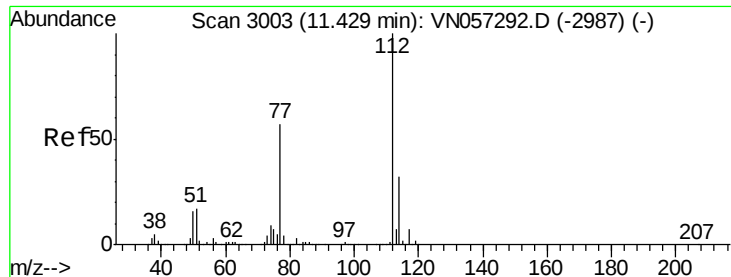
Tgt Ion:117 Resp: 1132458
Ion Ratio Lower Upper
117 100
82 51.3 41.2 61.8
119 32.1 25.8 38.8



#64
Tetrachloroethene
Concen: 47.437 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN057383.D
Acq: 17 Aug 2019 3:17

Tgt Ion:164 Resp: 464404
Ion Ratio Lower Upper
164 100
166 127.9 103.5 155.3
129 88.1 71.2 106.8
131 83.9 68.2 102.4

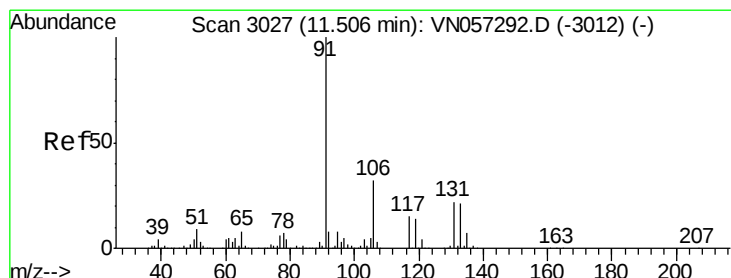
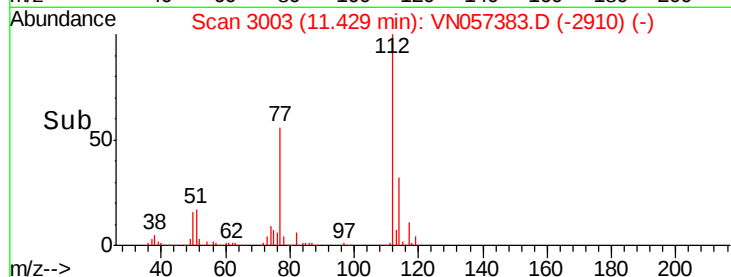
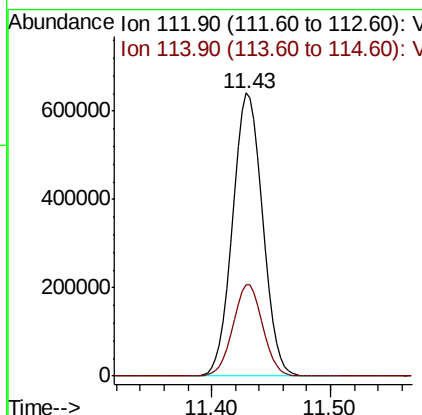
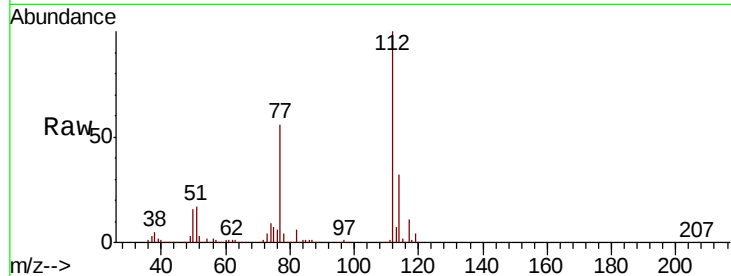




#65
Chlorobenzene
Concen: 48.555 ug/l
RT: 11.43 min Scan# 3003
Delta R.T. 0.00 min
Lab File: VN057383.D
Acq: 17 Aug 2019 3:17

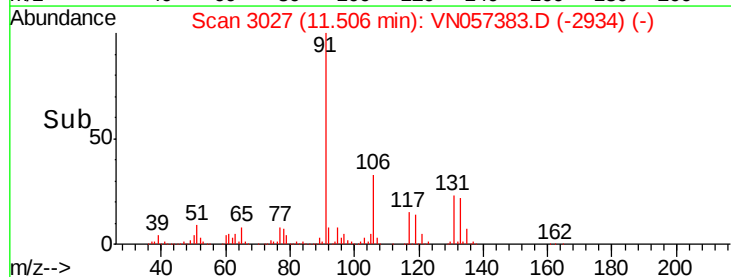
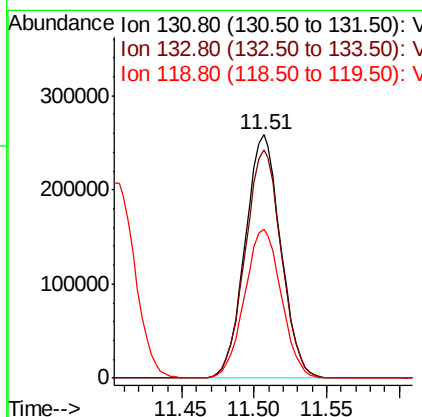
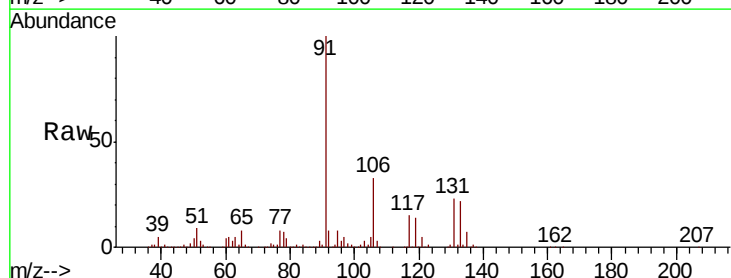
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

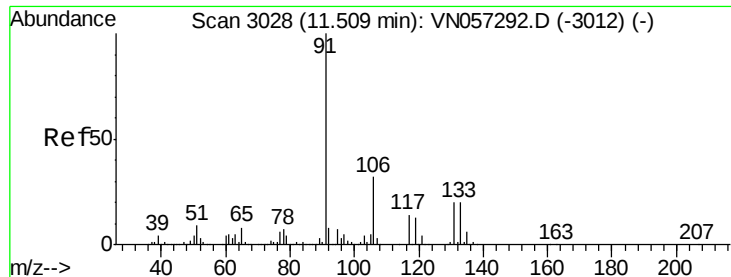
Tgt Ion:112 Resp: 1121485
Ion Ratio Lower Upper
112 100
114 32.3 25.7 38.5



#66
1,1,1,2-Tetrachloroethane
Concen: 50.058 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. 0.00 min
Lab File: VN057383.D
Acq: 17 Aug 2019 3:17

Tgt Ion:131 Resp: 442789
Ion Ratio Lower Upper
131 100
133 95.2 47.6 142.8
119 63.1 32.0 96.2

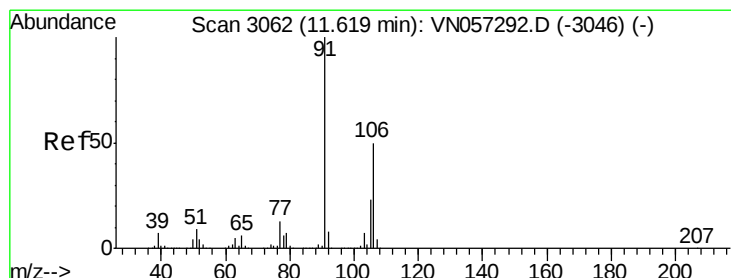
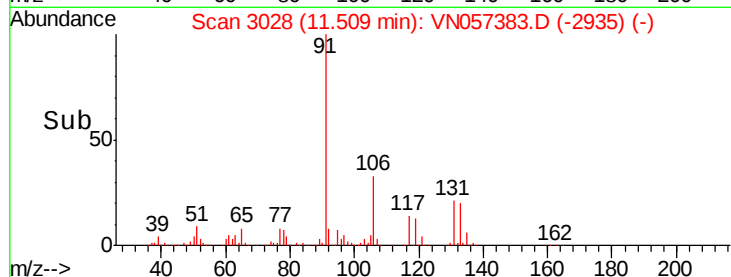
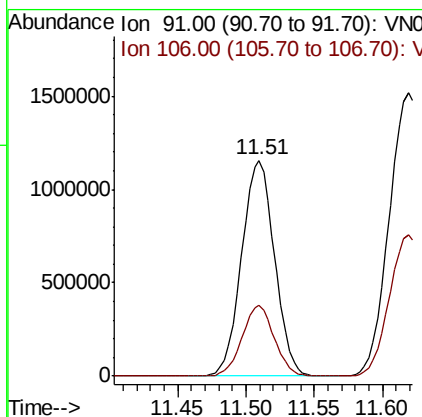
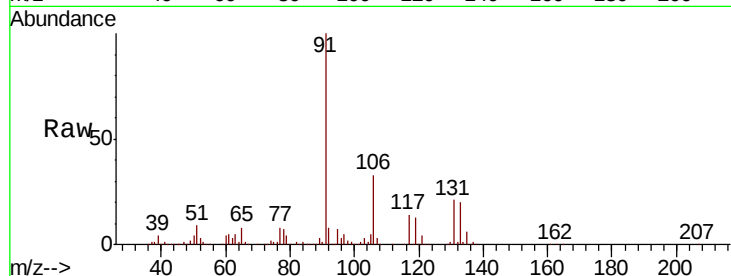




#67
Ethyl Benzene
Concen: 47.893 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN057383.D
Acq: 17 Aug 2019 3:17

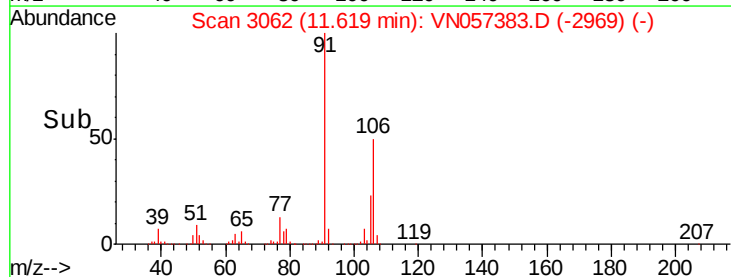
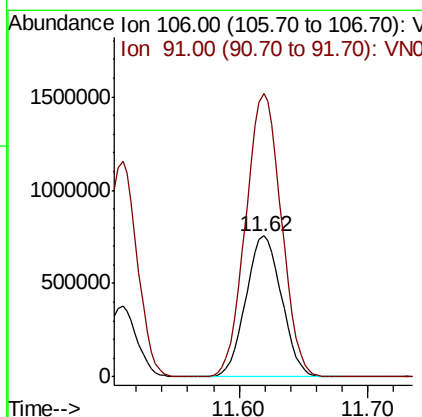
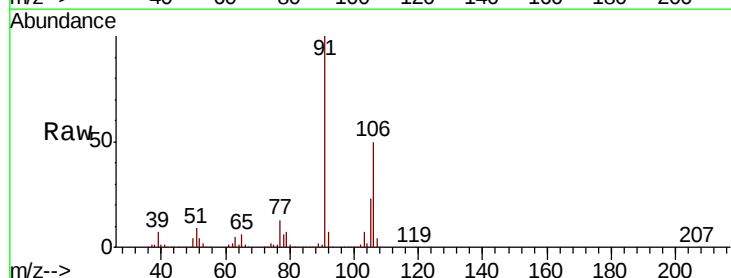
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

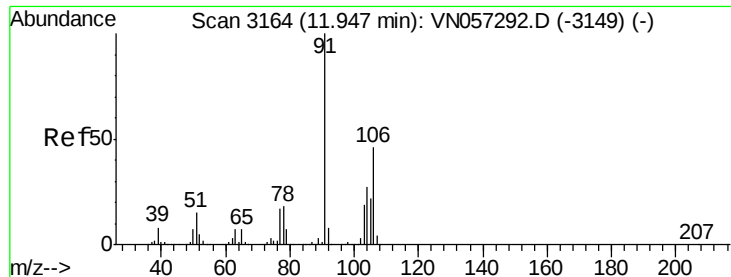
Tgt Ion: 91 Resp: 1935298
Ion Ratio Lower Upper
91 100
106 32.5 25.5 38.3



#68
m/p-Xylenes
Concen: 97.713 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN057383.D
Acq: 17 Aug 2019 3:17

Tgt Ion: 106 Resp: 1454775
Ion Ratio Lower Upper
106 100
91 200.9 161.5 242.3

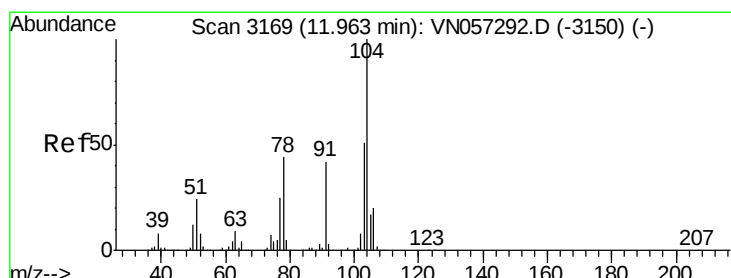
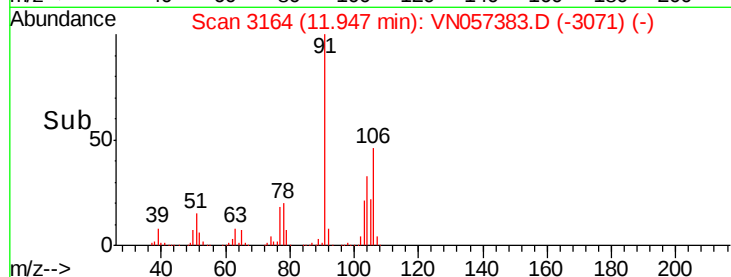
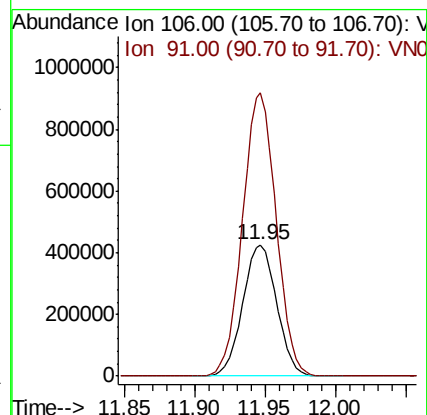
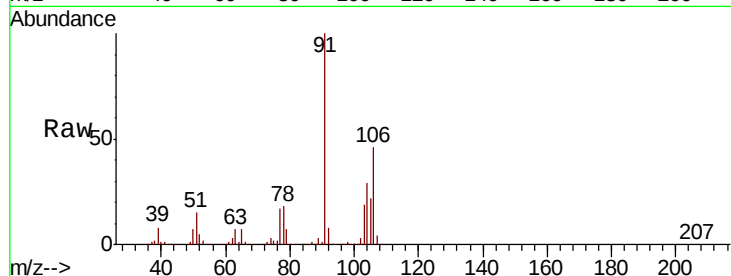




#69
o-Xylene
Concen: 49.078 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN057383.D
Acq: 17 Aug 2019 3:17

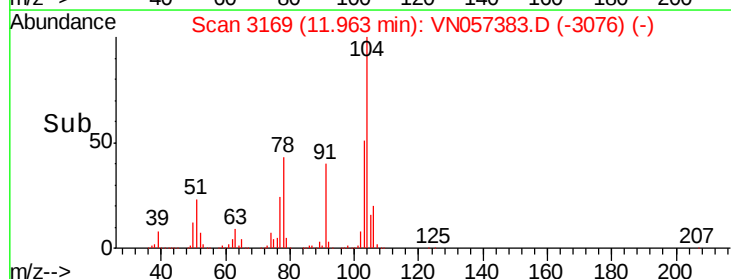
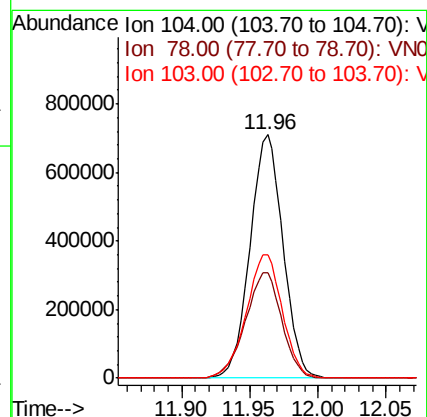
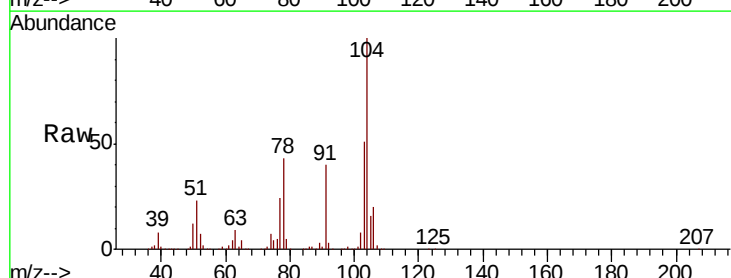
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

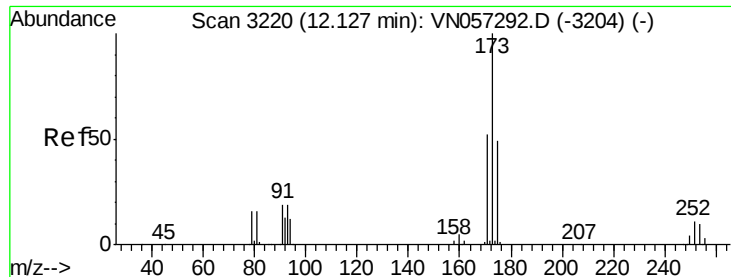
Tgt Ion:106 Resp: 717435
Ion Ratio Lower Upper
106 100
91 213.5 106.3 319.0



#70
Styrene
Concen: 51.182 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN057383.D
Acq: 17 Aug 2019 3:17

Tgt Ion:104 Resp: 1192641
Ion Ratio Lower Upper
104 100
78 47.8 39.2 58.8
103 55.3 44.6 66.8

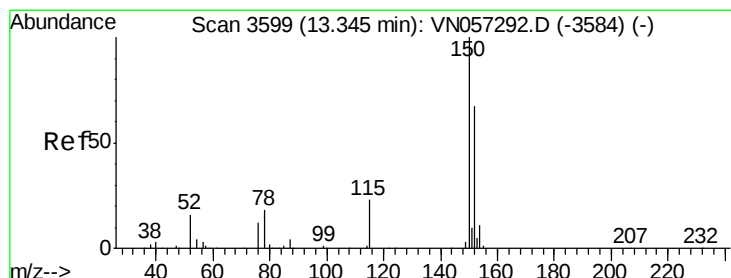
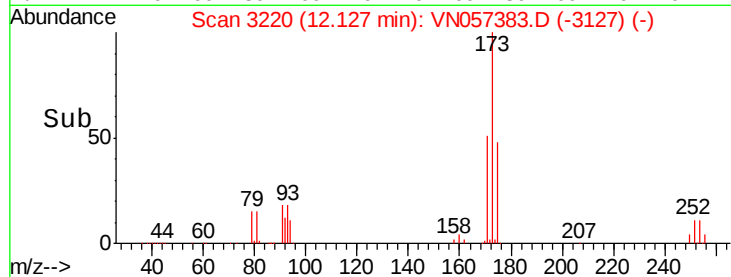
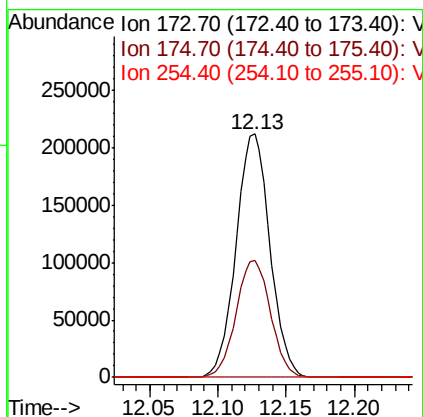
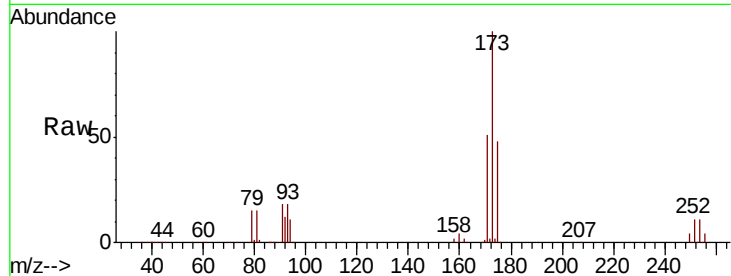




#71
Bromoform
Concen: 52.420 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN057383.D
Acq: 17 Aug 2019 3:17

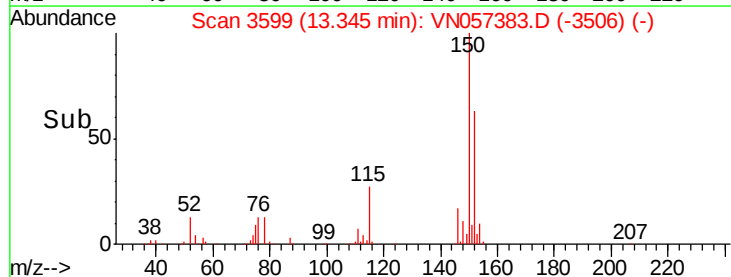
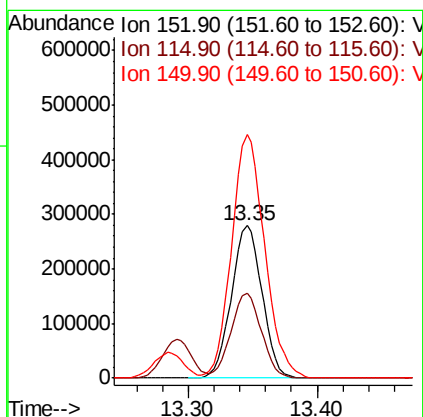
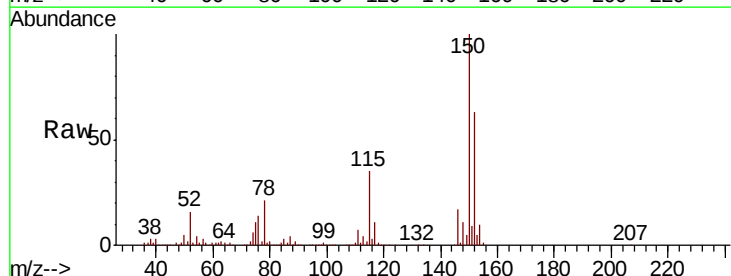
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

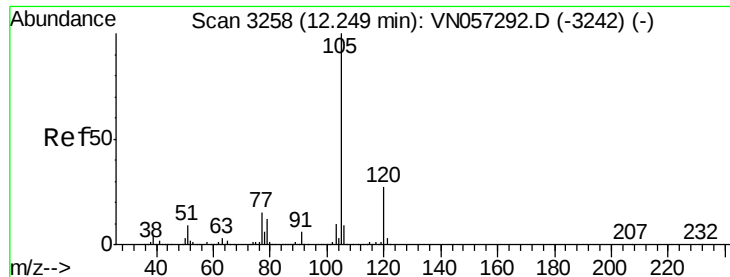
Tgt Ion:173 Resp: 365804
Ion Ratio Lower Upper
173 100
175 48.8 24.2 72.6
254 0.2 0.2 0.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN057383.D
Acq: 17 Aug 2019 3:17

Tgt Ion:152 Resp: 460565
Ion Ratio Lower Upper
152 100
115 54.8 27.3 81.9
150 172.3 0.0 344.4





#73

Isopropylbenzene

Concen: 52.507 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN057383.D

Acq: 17 Aug 2019 3:17

Instrument :

MSVOA_N

ClientSampleId :

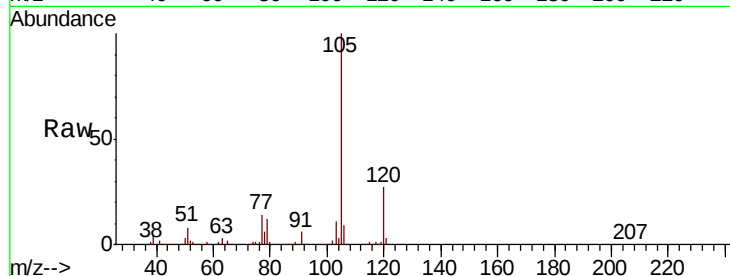
VSTDCCC050EC

Tgt Ion: 105 Resp: 1916847

Ion Ratio Lower Upper

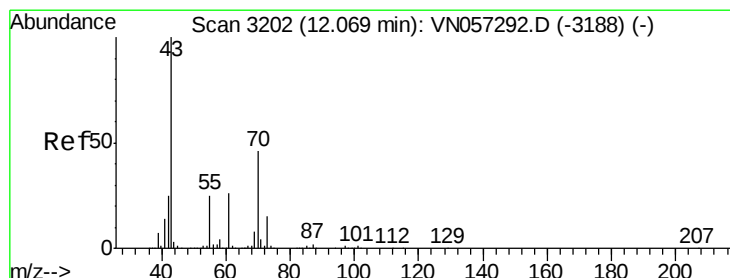
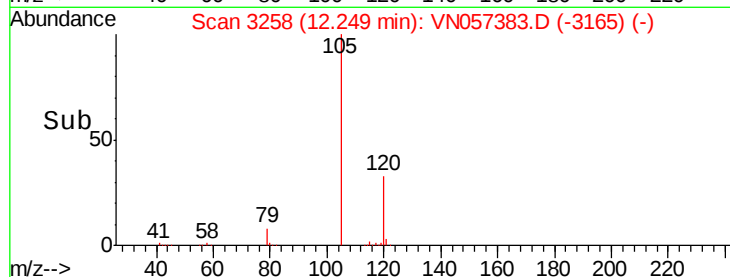
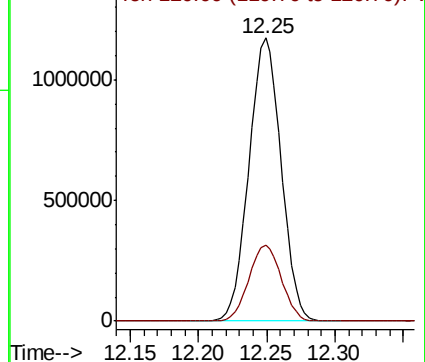
105 100

120 27.2 13.2 39.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 43.720 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN057383.D

Acq: 17 Aug 2019 3:17

Tgt Ion: 43 Resp: 584298

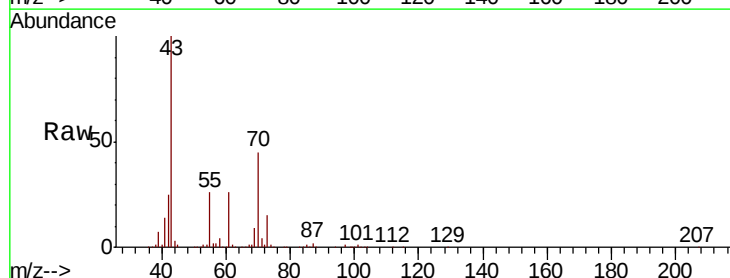
Ion Ratio Lower Upper

43 100

70 46.4 36.2 54.2

55 26.3 20.1 30.1

61 26.4 20.9 31.3

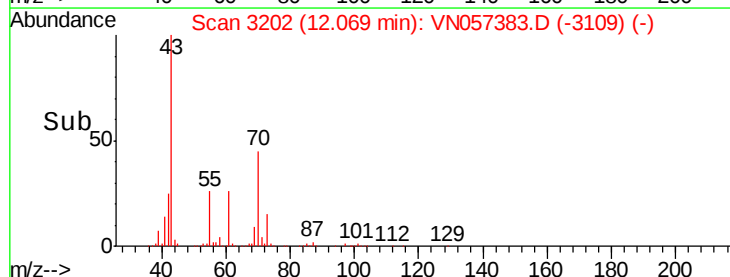
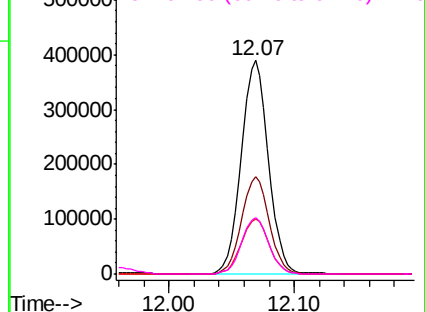


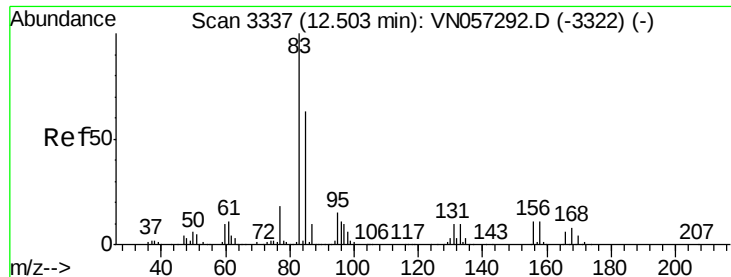
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 53.241 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN057383.D

Acq: 17 Aug 2019 3:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

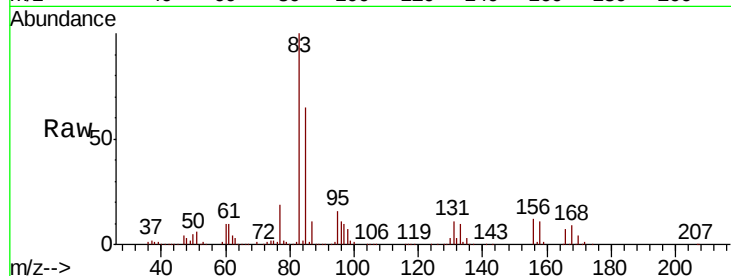
Tgt Ion: 83 Resp: 542085

Ion Ratio Lower Upper

83 100

131 11.2 5.4 16.2

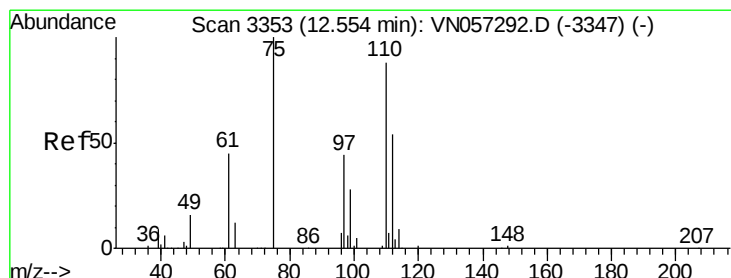
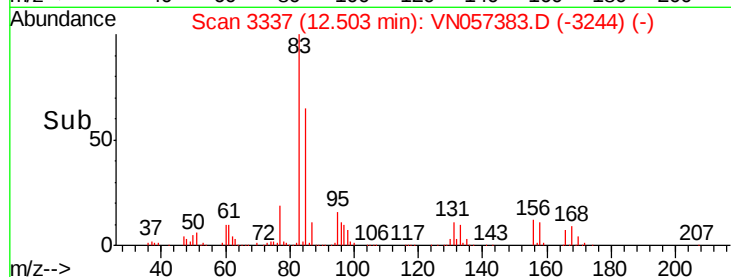
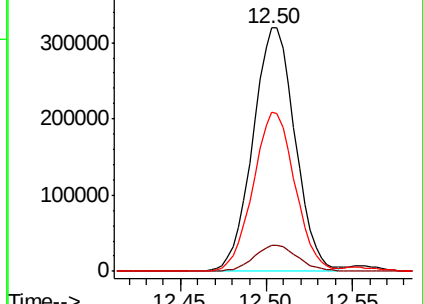
85 64.6 32.3 96.9



Abundance Ion 82.90 (82.60 to 83.60): VN057292.D (-3322) (-)

Ion 130.80 (130.50 to 131.50): VN057292.D (-3322) (-)

Ion 84.90 (84.60 to 85.60): VN057292.D (-3322) (-)



#76

1,2,3-Trichloropropane

Concen: 73.901 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN057383.D

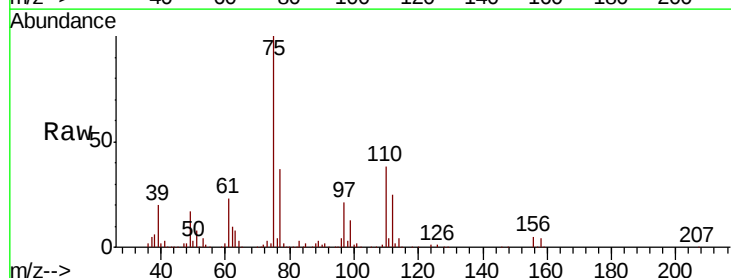
Acq: 17 Aug 2019 3:17

Tgt Ion: 75 Resp: 662186

Ion Ratio Lower Upper

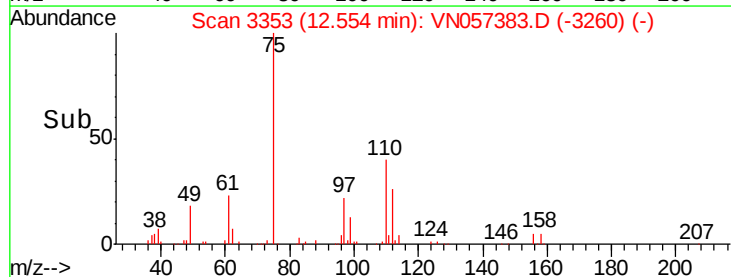
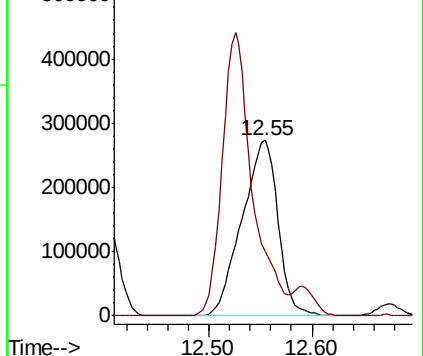
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN057292.D (-3347) (-)

Ion 77.00 (76.70 to 77.70): VN057292.D (-3347) (-)





#77

Bromobenzene

Concen: 52.127 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN057383.D

Acq: 17 Aug 2019 3:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

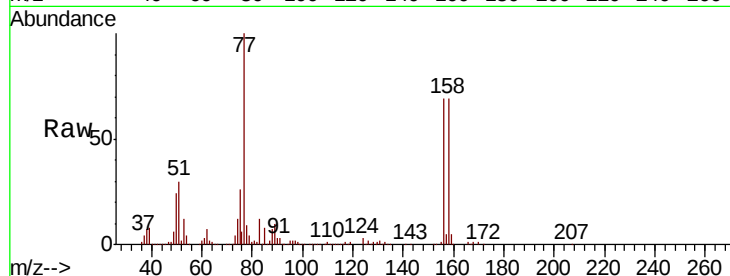
Tgt Ion:156 Resp: 513689

Ion Ratio Lower Upper

156 100

77 175.3 89.8 269.6

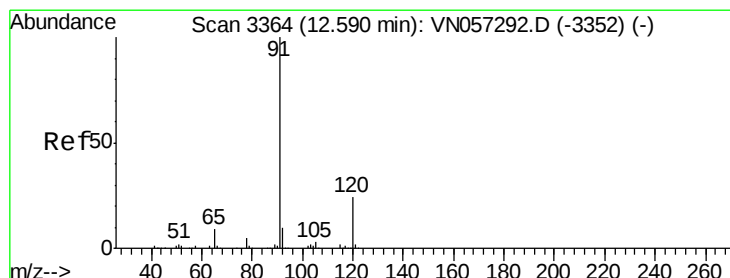
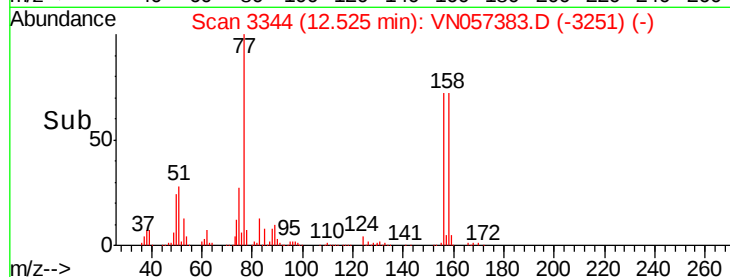
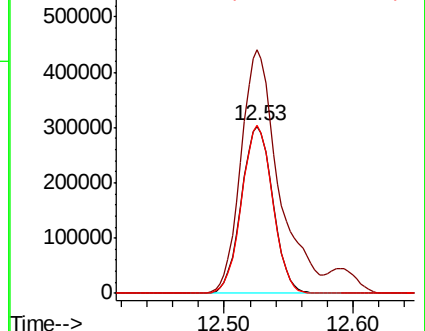
158 98.9 49.3 147.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 44.709 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN057383.D

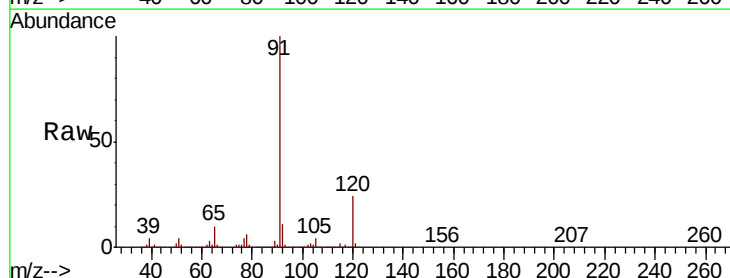
Acq: 17 Aug 2019 3:17

Tgt Ion: 91 Resp: 1982906

Ion Ratio Lower Upper

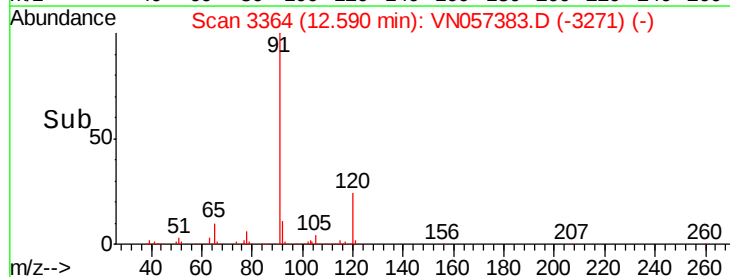
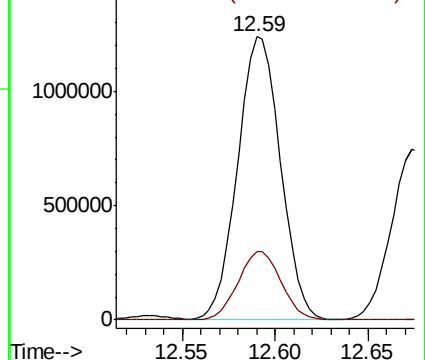
91 100

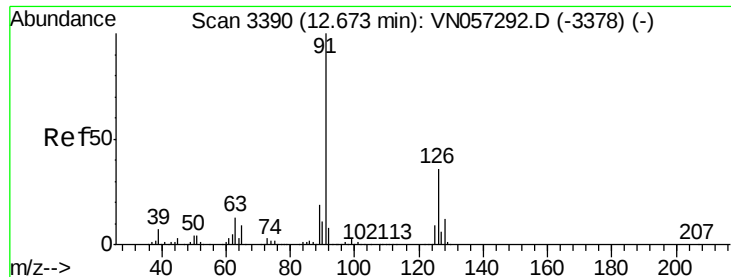
120 24.3 11.9 35.7



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 51.555 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN057383.D

Acq: 17 Aug 2019 3:17

Instrument :

MSVOA_N

ClientSampleId :

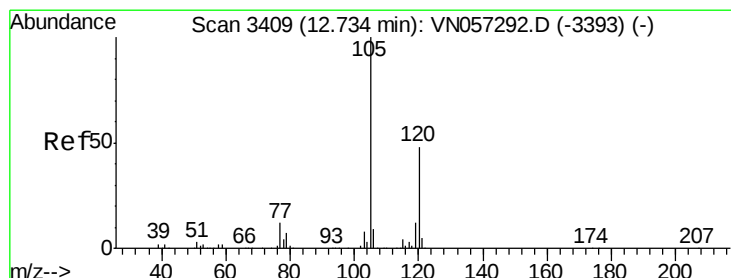
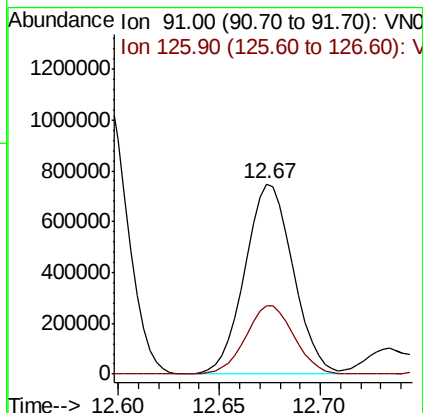
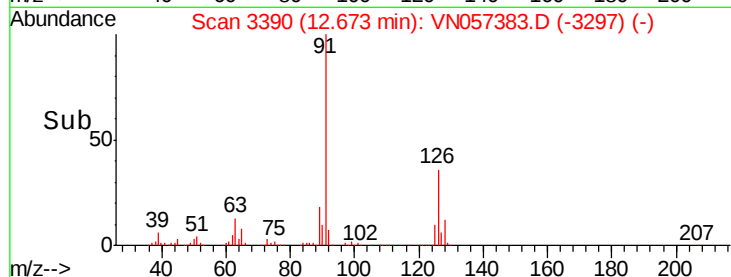
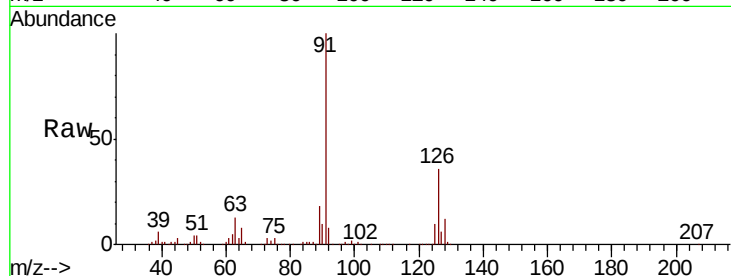
VSTDCCC050EC

Tgt Ion: 91 Resp: 1248295

Ion Ratio Lower Upper

91 100

126 36.2 18.1 54.1



#80

1,3,5-Trimethylbenzene

Concen: 51.655 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN057383.D

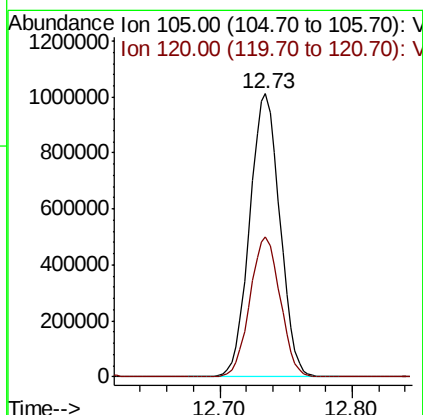
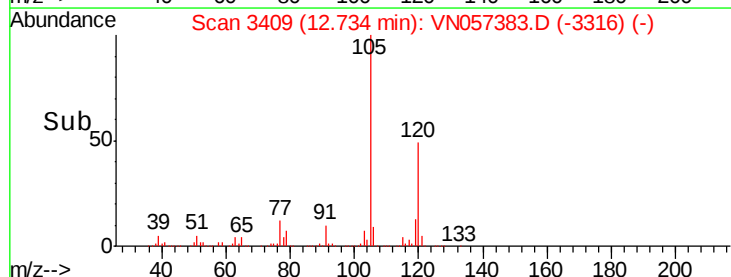
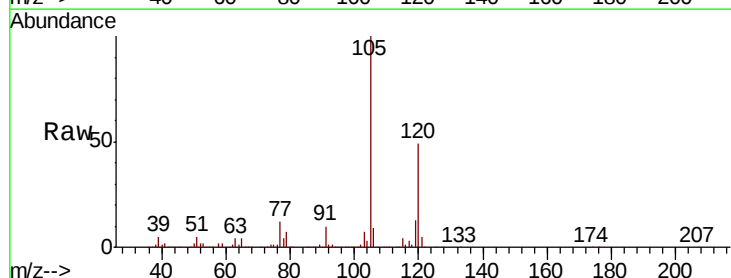
Acq: 17 Aug 2019 3:17

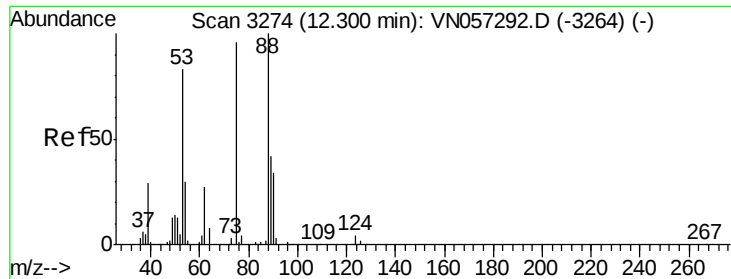
Tgt Ion: 105 Resp: 1600625

Ion Ratio Lower Upper

105 100

120 49.7 24.3 73.0





#81

trans-1,4-Dichloro-2-butene

Concen: 42.559 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN057383.D

Acq: 17 Aug 2019 3:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

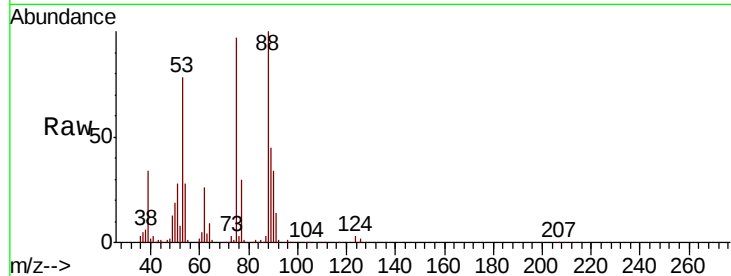
Tgt Ion: 75 Resp: 160747

Ion Ratio Lower Upper

75 100

53 83.2 67.9 101.9

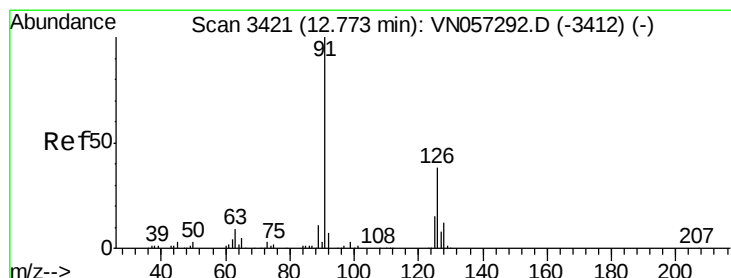
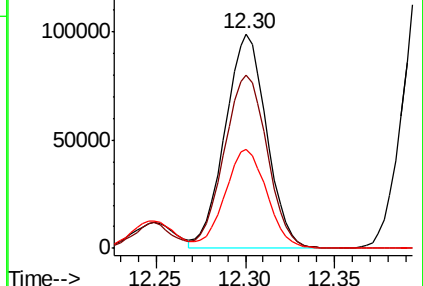
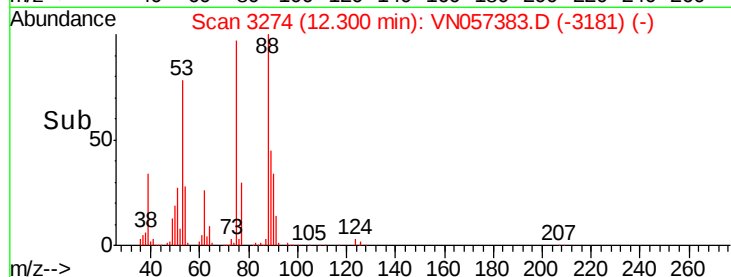
89 46.6 36.2 54.4



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 45.134 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN057383.D

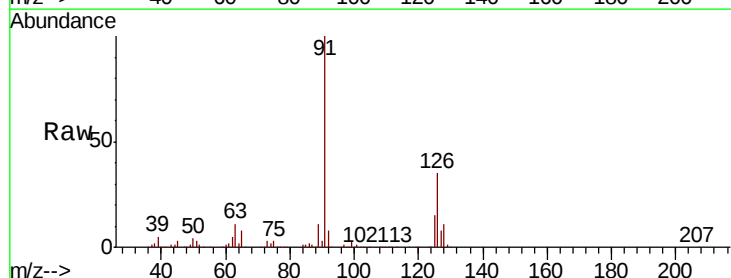
Acq: 17 Aug 2019 3:17

Tgt Ion: 91 Resp: 1186191

Ion Ratio Lower Upper

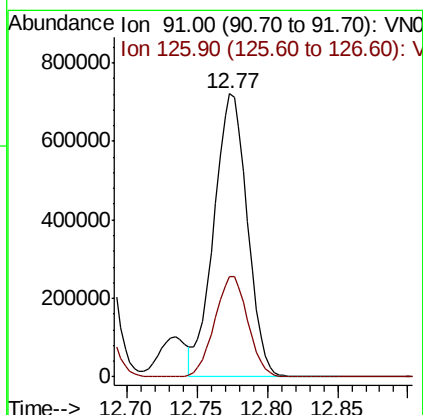
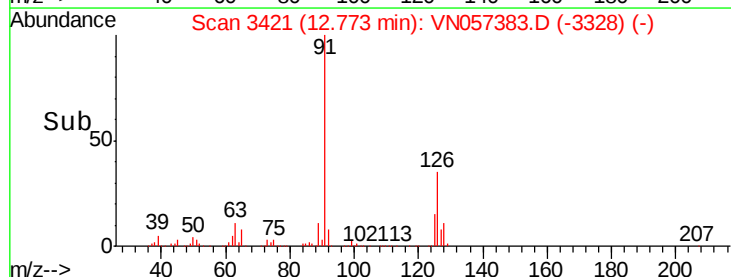
91 100

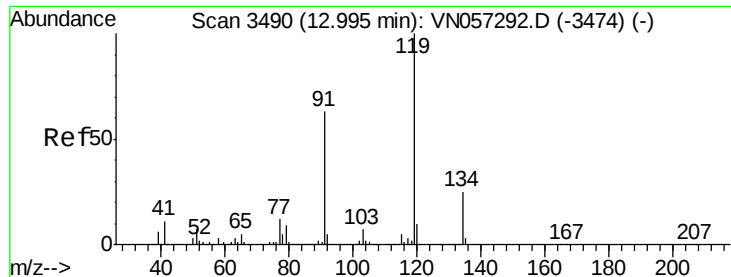
126 35.1 17.3 51.7



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

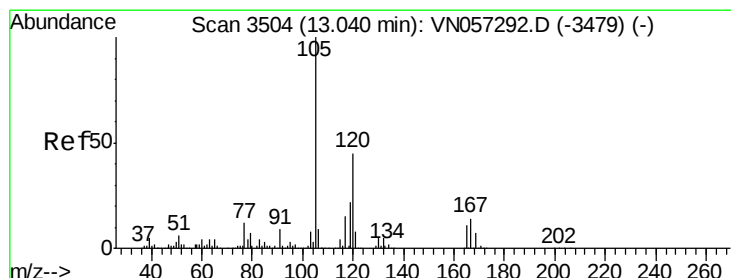
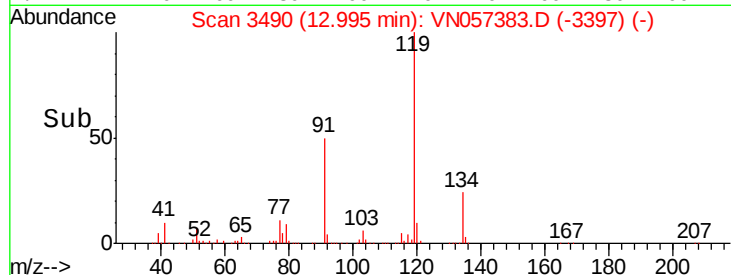
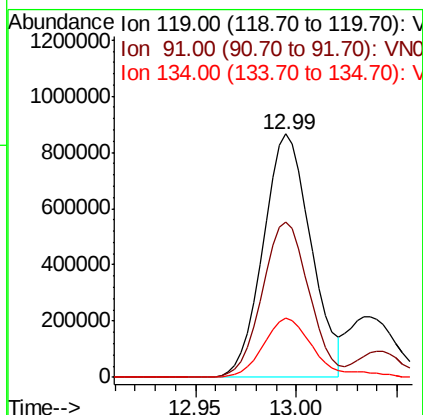
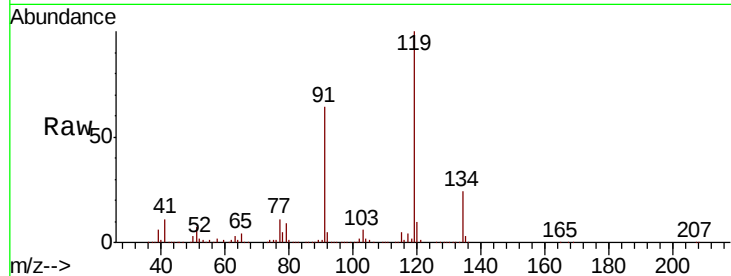




#83
 tert-Butylbenzene
 Concen: 52.499 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN057383.D
 Acq: 17 Aug 2019 3:17

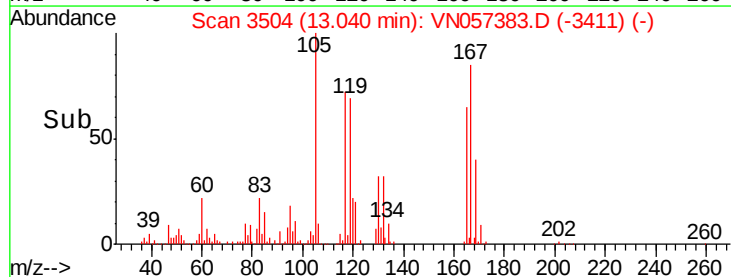
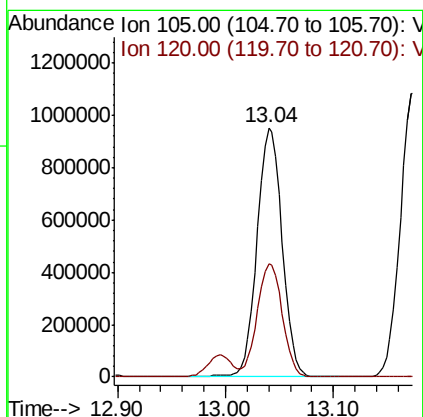
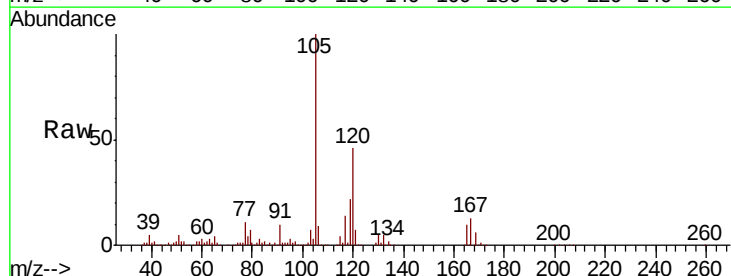
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

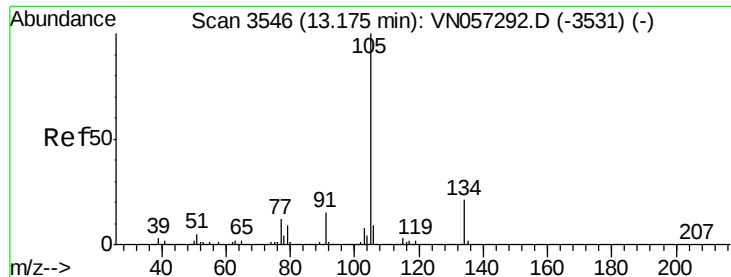
Tgt Ion:119 Resp: 1426118
 Ion Ratio Lower Upper
 119 100
 91 62.8 31.3 93.8
 134 25.8 13.1 39.1



#84
 1,2,4-Trimethylbenzene
 Concen: 46.161 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN057383.D
 Acq: 17 Aug 2019 3:17

Tgt Ion:105 Resp: 1531318
 Ion Ratio Lower Upper
 105 100
 120 45.6 22.6 67.7





#85

sec-Butylbenzene

Concen: 49.877 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. 0.00 min

Lab File: VN057383.D

Acq: 17 Aug 2019 3:17

Instrument :

MSVOA_N

ClientSampleId :

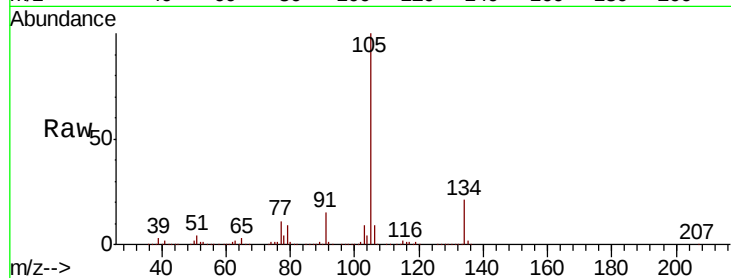
VSTDCCC050EC

Tgt Ion:105 Resp: 1737977

Ion Ratio Lower Upper

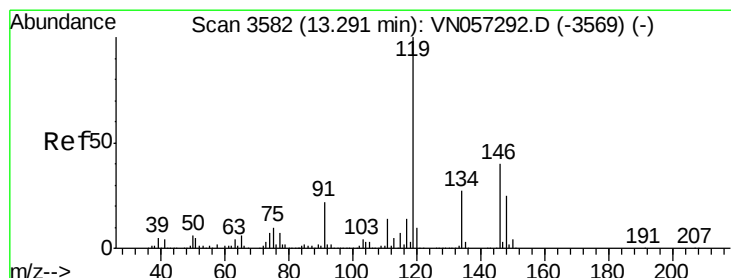
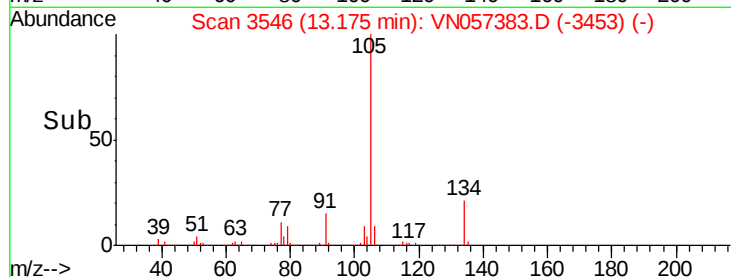
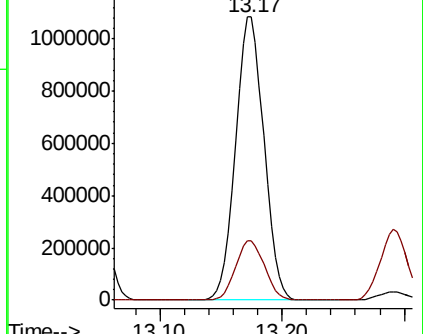
105 100

134 21.2 10.4 31.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 45.072 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN057383.D

Acq: 17 Aug 2019 3:17

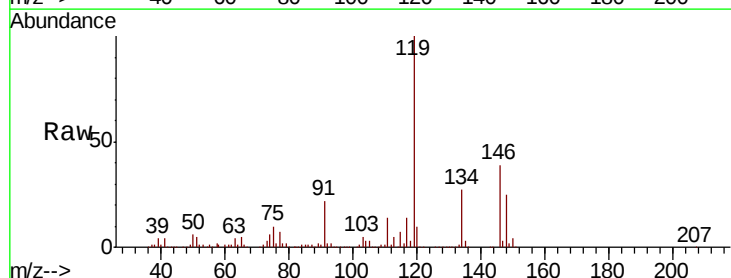
Tgt Ion:119 Resp: 1530784

Ion Ratio Lower Upper

119 100

134 27.0 13.4 40.2

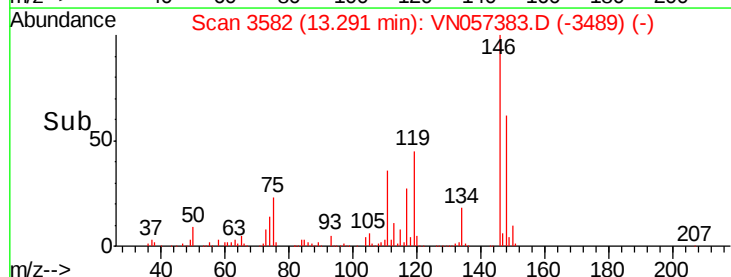
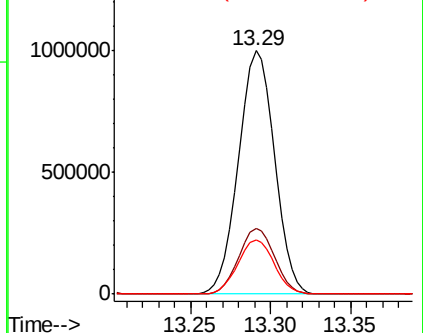
91 22.4 11.2 33.5

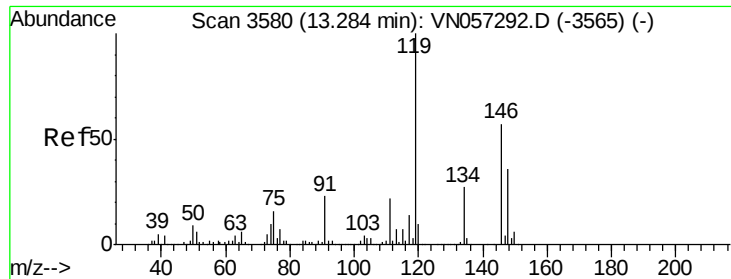


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 47.396 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN057383.D

Acq: 17 Aug 2019 3:17

Instrument :

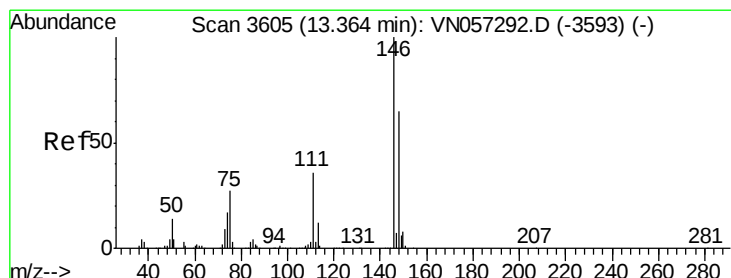
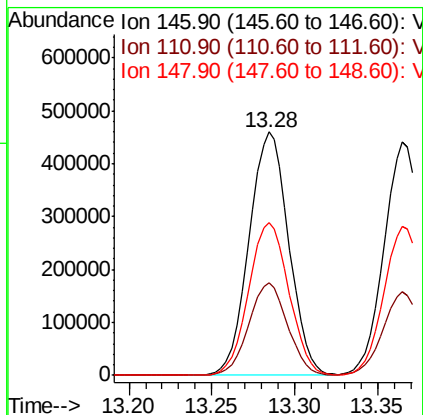
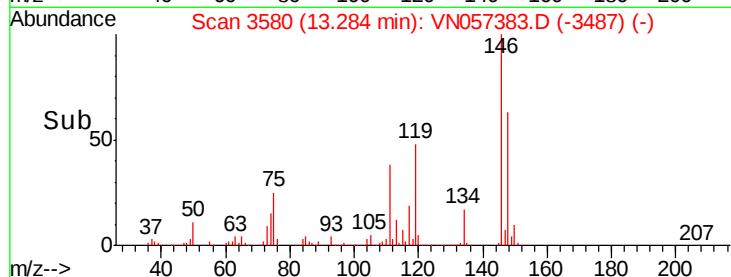
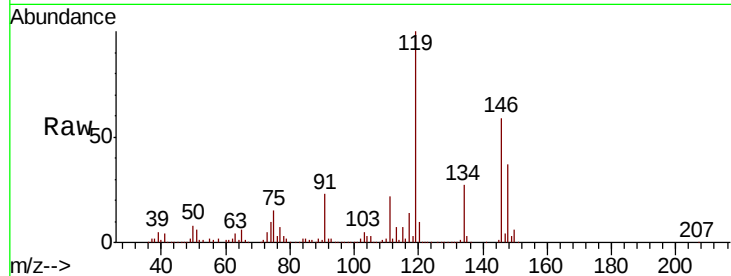
MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion:146 Resp: 764825

Ion	Ratio	Lower	Upper
146	100		
111	37.0	18.7	56.1
148	63.6	31.7	95.1



#88

1,4-Dichlorobenzene

Concen: 46.352 ug/l

RT: 13.36 min Scan# 3605

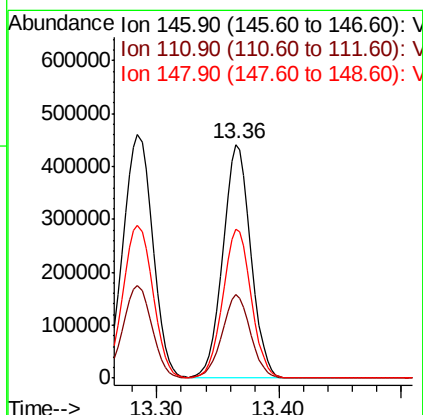
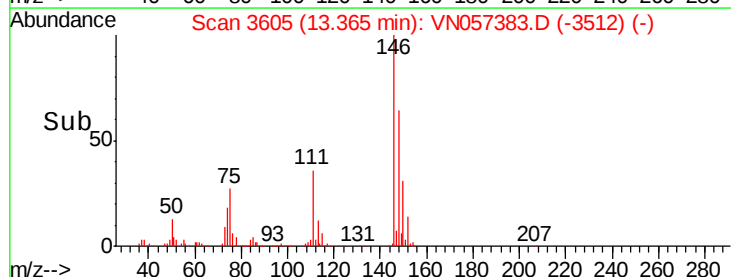
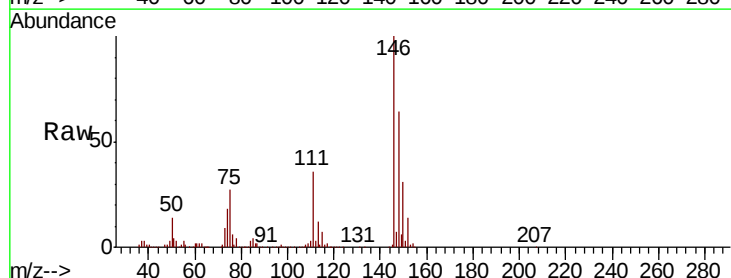
Delta R.T. 0.00 min

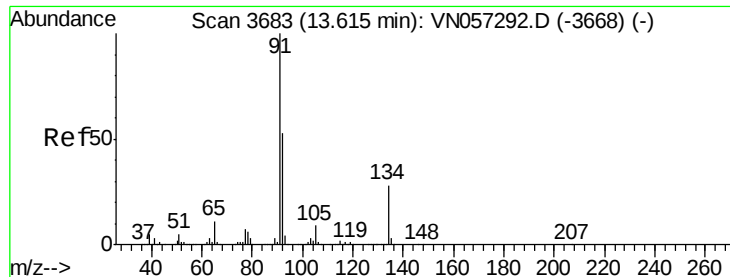
Lab File: VN057383.D

Acq: 17 Aug 2019 3:17

Tgt Ion:146 Resp: 710031

Ion	Ratio	Lower	Upper
146	100		
111	36.4	18.4	55.4
148	64.7	32.5	97.4

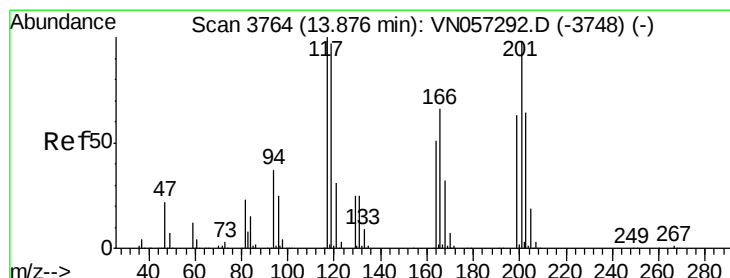
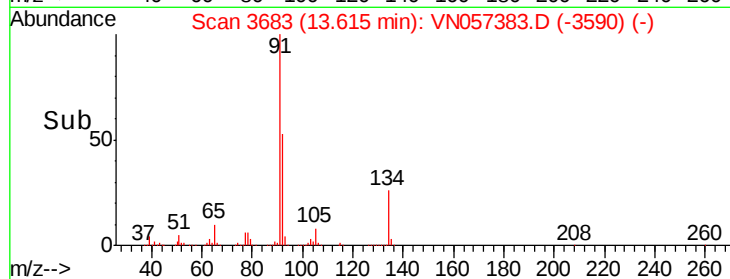
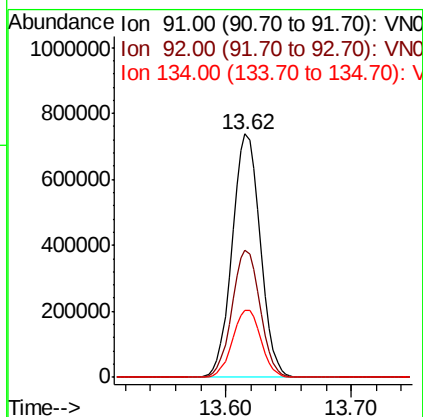
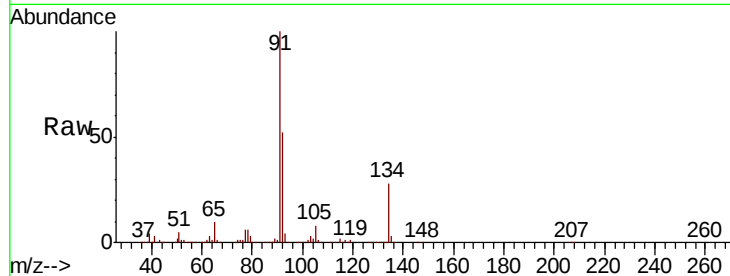




#89
n-Butylbenzene
Concen: 47.339 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN057383.D
Acq: 17 Aug 2019 3:17

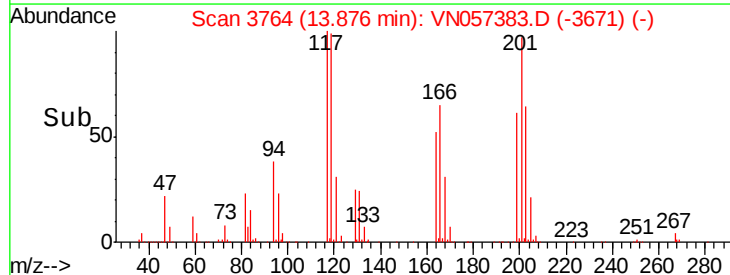
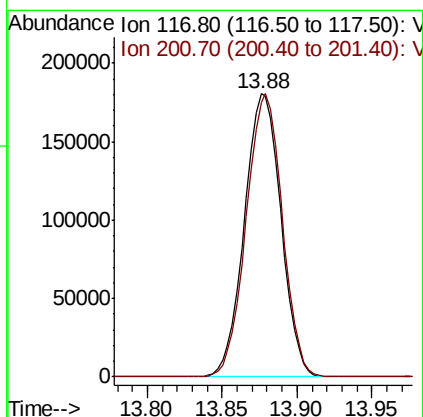
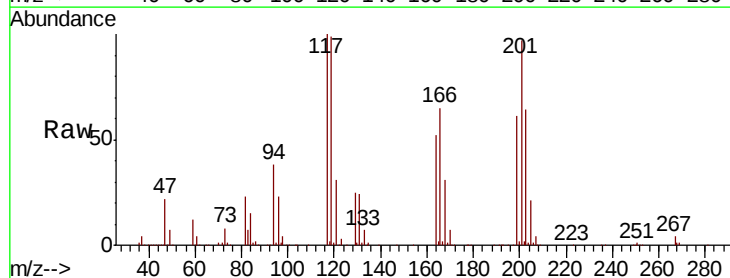
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

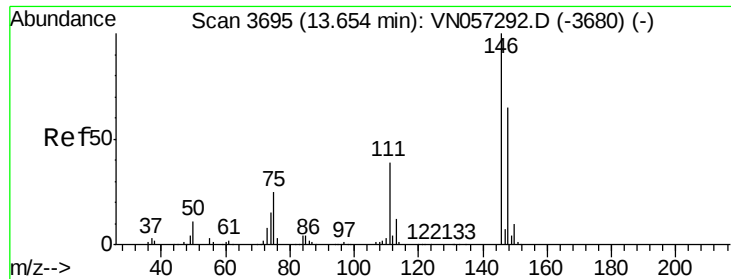
Tgt Ion: 91 Resp: 1146186
Ion Ratio Lower Upper
91 100
92 52.1 26.2 78.6
134 27.9 13.9 41.7



#90
Hexachloroethane
Concen: 53.438 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. 0.00 min
Lab File: VN057383.D
Acq: 17 Aug 2019 3:17

Tgt Ion: 117 Resp: 307754
Ion Ratio Lower Upper
117 100
201 98.3 48.4 145.0





#91

1,2-Dichlorobenzene

Concen: 48.099 ug/l

RT: 13.66 min Scan# 3696

Delta R.T. 0.00 min

Lab File: VN057383.D

Acq: 17 Aug 2019 3:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

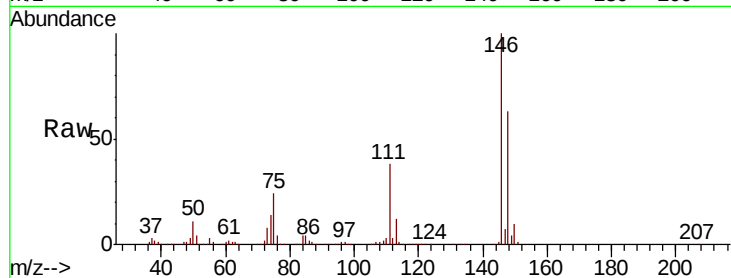
Tgt Ion: 146 Resp: 723544

Ion Ratio Lower Upper

146 100

111 38.5 19.7 59.1

148 63.2 32.0 96.0

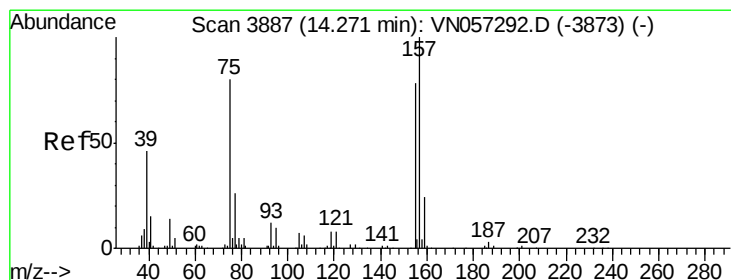
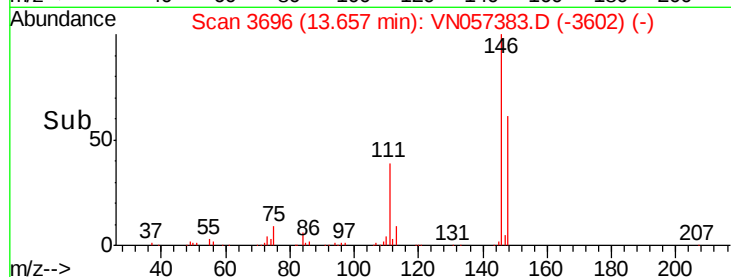
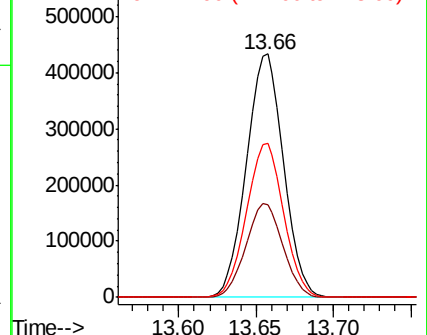


Abundance

Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 44.882 ug/l

RT: 14.27 min Scan# 3888

Delta R.T. 0.00 min

Lab File: VN057383.D

Acq: 17 Aug 2019 3:17

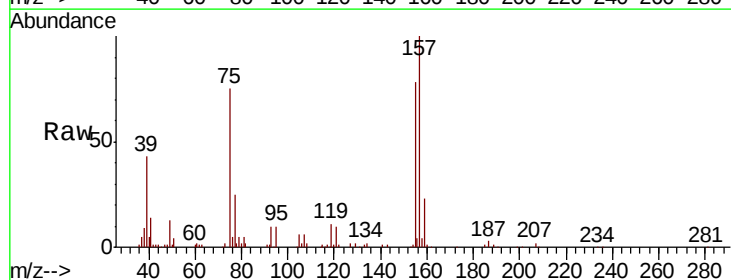
Tgt Ion: 75 Resp: 73712

Ion Ratio Lower Upper

75 100

155 101.0 49.6 148.8

157 133.3 63.7 191.1

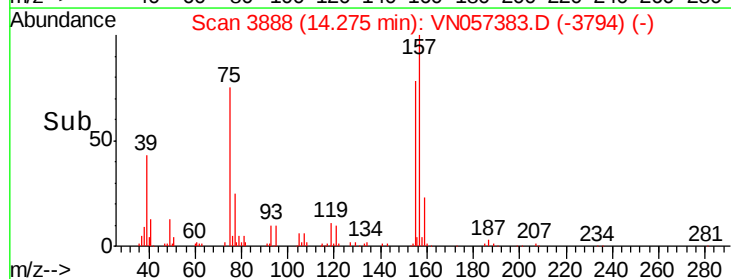
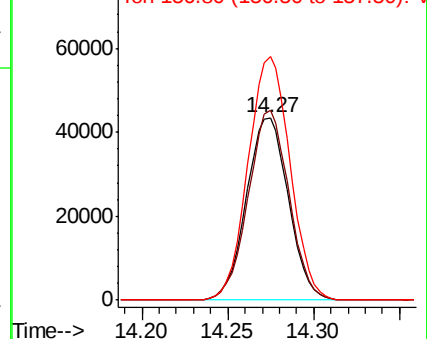


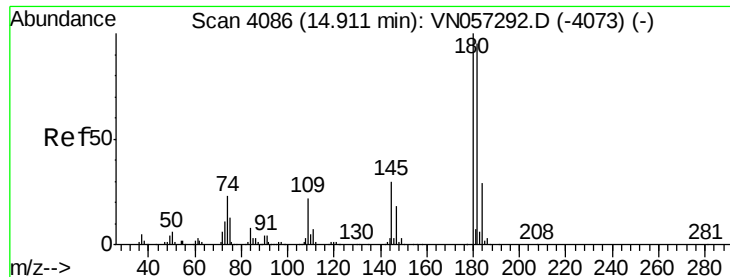
Abundance

Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

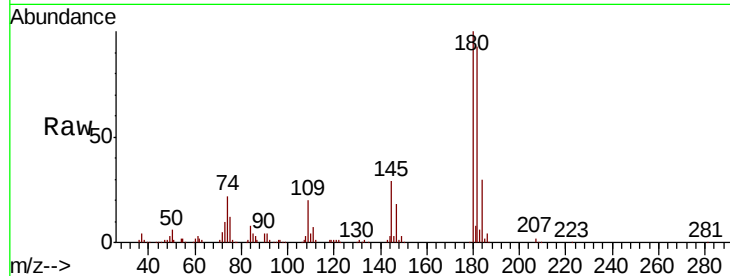




#93
 1,2,4-Trichlorobenzene
 Concen: 41.124 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN057383.D
 Acq: 17 Aug 2019 3:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.5	48.0	144.2
145	28.1	14.5	43.6

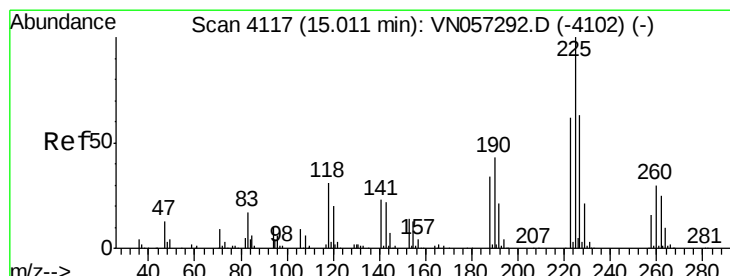
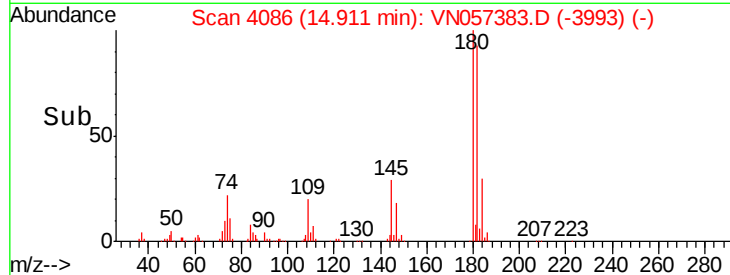
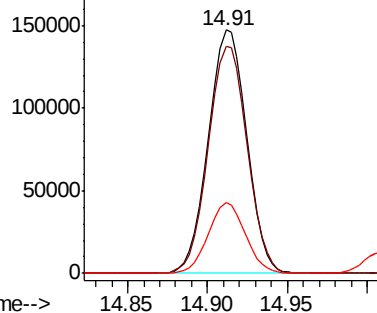


Abundance

Ion 179.80 (179.50 to 180.50): V

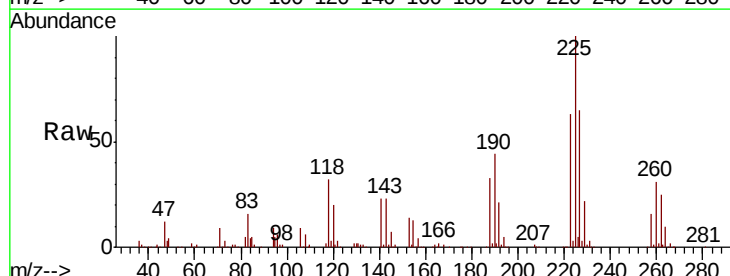
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 51.409 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN057383.D
 Acq: 17 Aug 2019 3:17

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.1	30.7	92.1
227	64.1	30.9	92.7

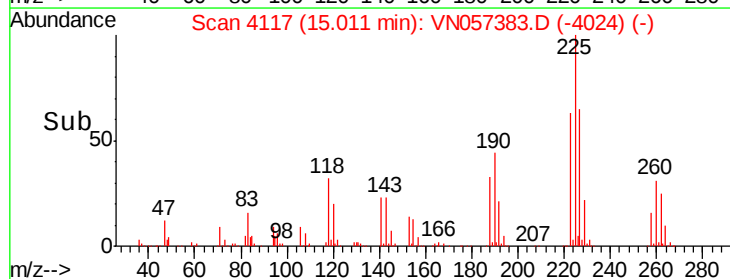
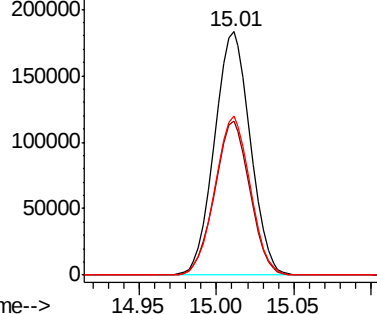


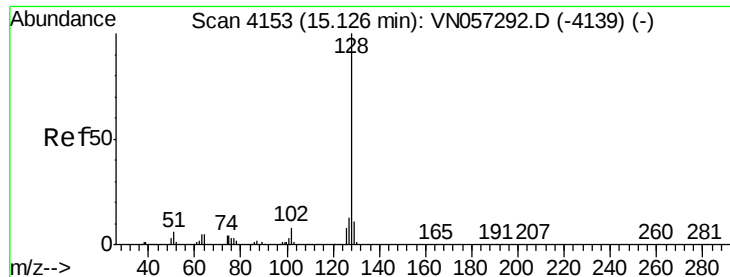
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 53.675 ug/l

RT: 15.13 min Scan# 4153

Delta R.T. 0.00 min

Lab File: VN057383.D

Acq: 17 Aug 2019 3:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

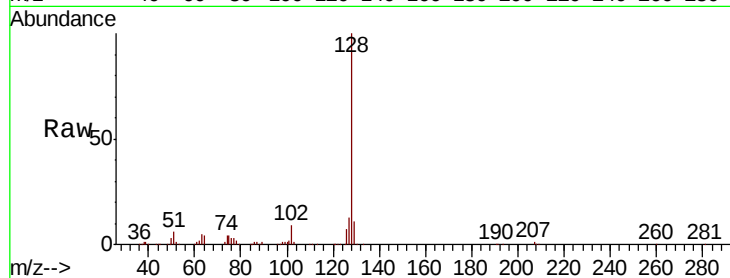
Tgt Ion:128 Resp: 507588

Ion Ratio Lower Upper

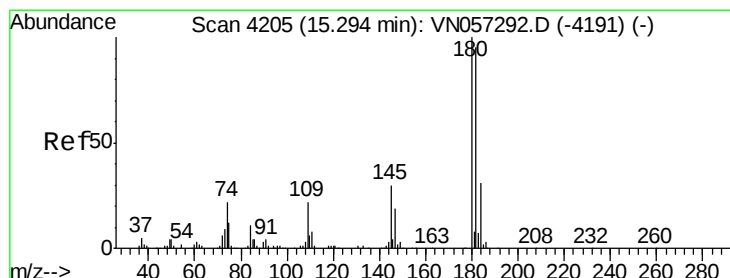
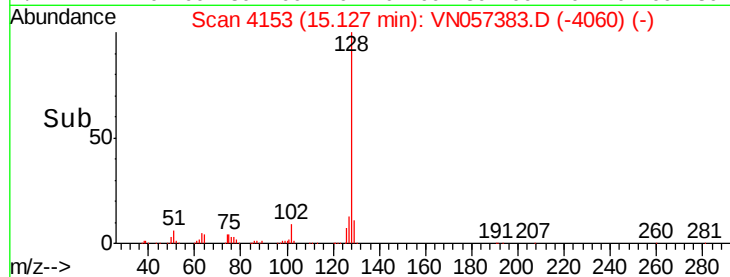
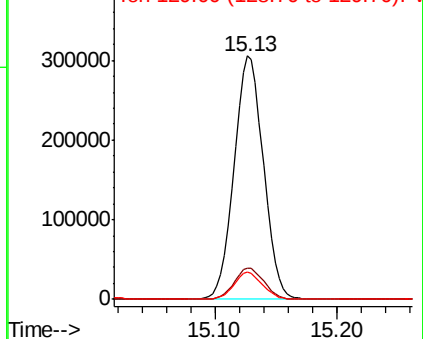
128 100

127 12.9 10.5 15.7

129 10.8 8.8 13.2



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



#96

1,2,3-Trichlorobenzene

Concen: 53.377 ug/l

RT: 15.29 min Scan# 4205

Delta R.T. 0.00 min

Lab File: VN057383.D

Acq: 17 Aug 2019 3:17

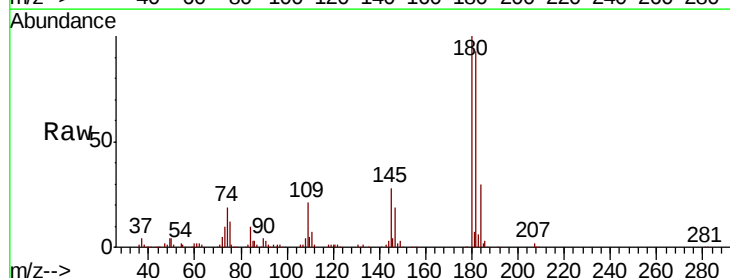
Tgt Ion:180 Resp: 226526

Ion Ratio Lower Upper

180 100

182 94.7 47.9 143.6

145 29.2 15.1 45.3



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

