

Data File : VN057385.D
Acq On : 19 Aug 2019 8:50
Operator : JC/SP
Sample : VSTDCCC050
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Quant Time: Aug 20 07:06:41 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	7.65	168	862232	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1204463	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	1086438	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	468413	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	466066	49.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.44%	
35) Dibromofluoromethane	7.58	113	436124	55.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.48%	
50) Toluene-d8	10.09	98	1644921	56.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.92%	
62) 4-Bromofluorobenzene	12.40	95	569507	55.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.62%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	328235	44.240	ug/l	99
3) Chloromethane	2.05	50	352635	40.267	ug/l	100
4) Vinyl Chloride	2.18	62	358851	43.555	ug/l	98
5) Bromomethane	2.54	94	268935	45.792	ug/l	100
6) Chloroethane	2.69	64	248636	43.872	ug/l	98
7) Trichlorofluoromethane	3.01	101	606631	46.940	ug/l	98
8) Diethyl Ether	3.40	74	219685	45.165	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.75	101	369182	48.623	ug/l	97
10) Methyl Iodide	3.95	142	604673	49.822	ug/l	99
11) Tert butyl alcohol	4.75	59	268299	201.340	ug/l	100
12) 1,1-Dichloroethene	3.73	96	356664	47.146	ug/l	98
13) Acrolein	3.60	56	122755	151.745	ug/l	98
14) Allyl chloride	4.31	41	541735	44.673	ug/l	98
15) Acrylonitrile	4.97	53	774777	214.158	ug/l	100
16) Acetone	3.80	43	951742	292.698	ug/l	99
17) Carbon Disulfide	4.05	76	931496	45.704	ug/l	100
18) Methyl Acetate	4.31	43	362767	41.334	ug/l	97
19) Methyl tert-butyl Ether	5.02	73	1084483	45.686	ug/l	99
20) Methylene Chloride	4.54	84	413049	45.401	ug/l	95
21) trans-1,2-Dichloroethene	5.03	96	383657	47.159	ug/l	96
22) Diisopropyl ether	5.93	45	1077220	44.968	ug/l	98
23) Vinyl Acetate	5.88	43	4230497	219.430	ug/l	97
24) 1,1-Dichloroethane	5.83	63	677530	45.971	ug/l	99
25) 2-Butanone	6.82	43	1100556	233.729	ug/l	93
26) 2,2-Dichloropropane	6.81	77	593812	49.854	ug/l	100
27) cis-1,2-Dichloroethene	6.82	96	454641	47.204	ug/l	98
28) Bromochloromethane	7.18	49	306031	46.734	ug/l #	91
29) Tetrahydrofuran	7.19	42	596396	200.140	ug/l	97
30) Chloroform	7.36	83	711065	46.039	ug/l	98
31) Cyclohexane	7.64	56	547334	42.854	ug/l	98
32) 1,1,1-Trichloroethane	7.56	97	629853	48.485	ug/l	98
36) 1,1-Dichloropropene	7.78	75	523213	49.199	ug/l	100
37) Ethyl Acetate	6.91	43	385716	44.283	ug/l	98
38) Carbon Tetrachloride	7.76	117	563382	50.987	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	629196	50.669	ug/l	98
40) Benzene	8.03	78	1585920	48.756	ug/l	99
41) Methacrylonitrile	7.19	41	554484	141.360	ug/l #	100
42) 1,2-Dichloroethane	8.11	62	514832	47.822	ug/l	98
43) Isopropyl Acetate	8.15	43	704654	44.104	ug/l	98
44) Trichloroethene	8.83	130	466765	51.041	ug/l	97
45) 1,2-Dichloropropane	9.11	63	405002	48.305	ug/l	98
46) Dibromomethane	9.20	93	271099	48.468	ug/l	96
47) Bromodichloromethane	9.40	83	563375	50.836	ug/l	99
48) Methyl methacrylate	9.19	41	314962	43.911	ug/l	97
49) 1,4-Dioxane	9.19	88	142449	944.384	ug/l	99
51) 4-Methyl-2-Pentanone	9.98	43	1966865	218.884	ug/l	99
52) Toluene	10.15	92	1041742	51.454	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	608549	50.766	ug/l	100
54) cis-1,3-Dichloropropene	9.83	75	669625	50.658	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	393927	49.481	ug/l	98
56) Ethyl methacrylate	10.42	69	560228	48.221	ug/l	98
57) 1,3-Dichloropropane	10.70	76	648970	48.797	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	694951	205.031	ug/l	98
59) 2-Hexanone	10.75	43	1522954	235.745	ug/l	98
60) Dibromochloromethane	10.90	129	469870	52.667	ug/l	100
61) 1,2-Dibromoethane	11.00	107	419517	49.468	ug/l	100
64) Tetrachloroethene	10.63	164	488627	52.026	ug/l	99
65) Chlorobenzene	11.43	112	1146130	51.724	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	444187	52.343	ug/l	100
67) Ethyl Benzene	11.51	91	1991502	51.371	ug/l	100
68) m/p-Xylenes	11.62	106	1540497	107.853	ug/l	97
69) o-Xylene	11.95	106	743468	53.013	ug/l	98
70) Styrene	11.96	104	1226031	54.843	ug/l	99
71) Bromoform	12.12	173	361908	54.058	ug/l	99
73) Isopropylbenzene	12.25	105	2002762	54.041	ug/l	99
74) N-amyl acetate	12.07	43	542319	39.899	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	519240	49.857	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	650197	71.281	ug/l #	100
77) Bromobenzene	12.53	156	540678	54.025	ug/l	94
78) n-propylbenzene	12.59	91	2129578	47.212	ug/l	99
79) 2-Chlorotoluene	12.67	91	1304838	53.056	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	1695396	53.895	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	172779	44.978	ug/l	98
82) 4-Chlorotoluene	12.77	91	1257699	47.053	ug/l	98
83) tert-Butylbenzene	12.99	119	1505861	54.628	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1622001	48.076	ug/l	98
85) sec-Butylbenzene	13.17	105	1883030	53.236	ug/l	100
86) p-Isopropyltoluene	13.29	119	1688576	48.885	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	846548	51.582	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	796190	51.106	ug/l	99
89) n-Butylbenzene	13.62	91	1253705	50.912	ug/l	99
90) Hexachloroethane	13.88	117	319063	54.521	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	799479	52.257	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	72111	43.171	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN081919\
Quantitation Report (Not Reviewed)

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	298793	48.962	ug/l	99
94) Hexachlorobutadiene	15.01	225	362480	62.970	ug/l	98
95) Naphthalene	15.13	128	492140	51.877	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	254110	57.559	ug/l	99

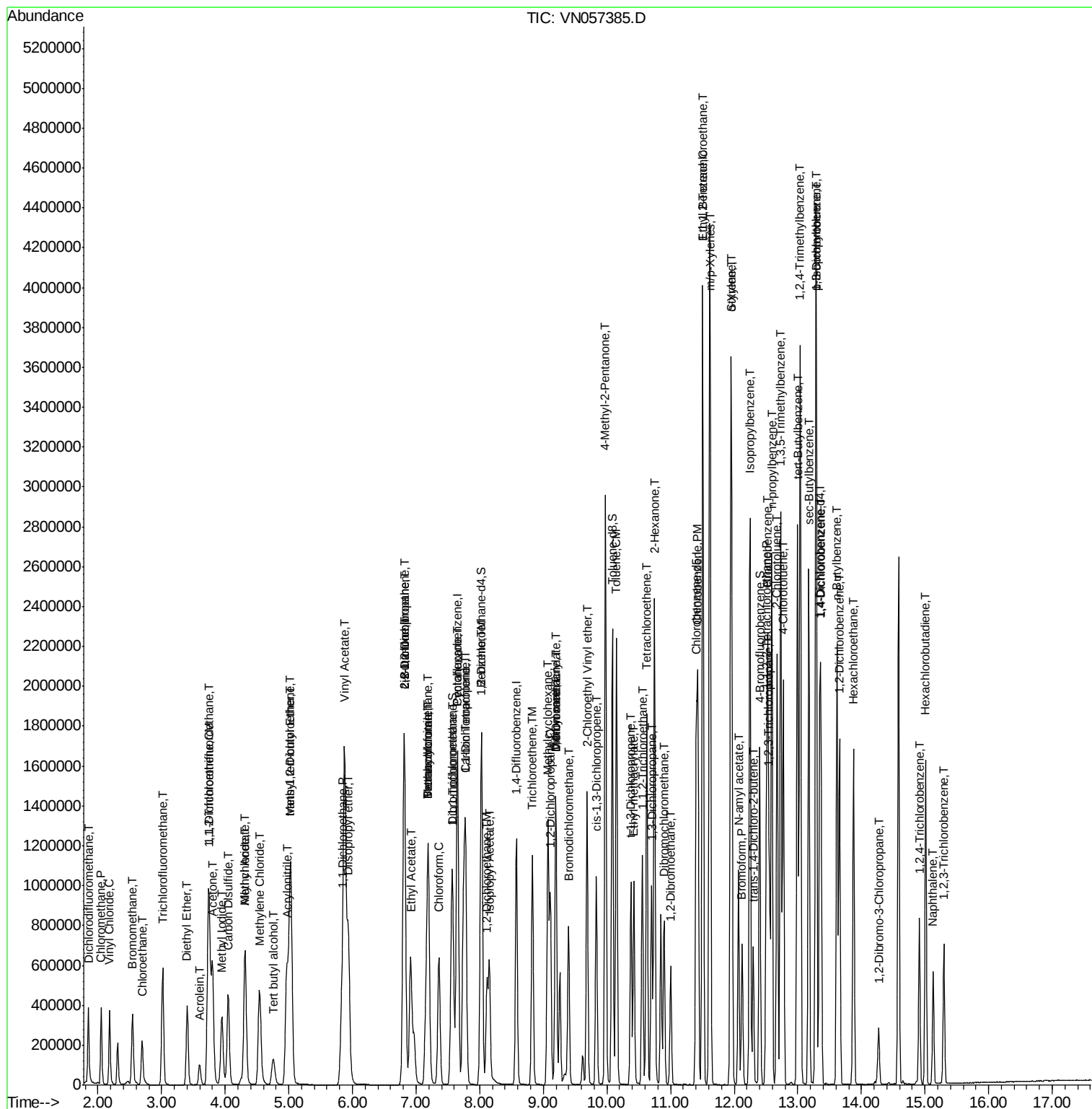
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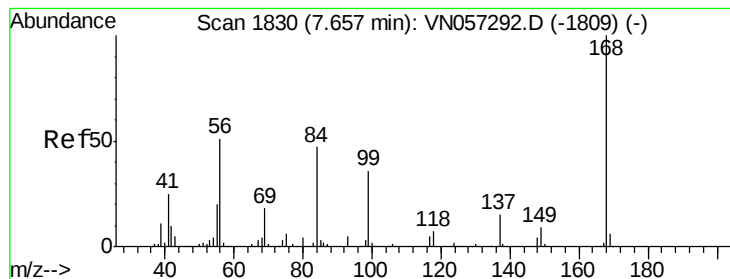
Data File : VN057385.D

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Acq On       : 19 Aug 2019    8:50
Operator    : JC/SP
Sample      : VSTDCCC050
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. -0.00 min

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Acq: 19 Aug 2019 8:50

Instrument :

MSVOA_N

ClientSampleId :

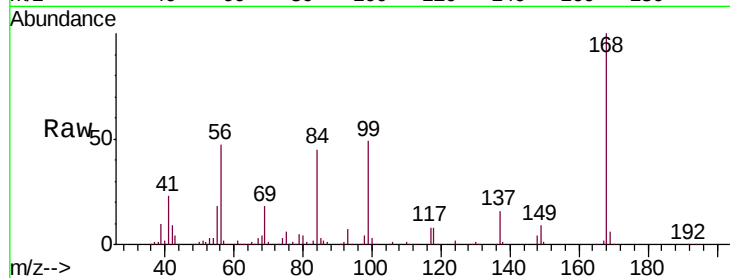
VSTDCCC050

Tgt Ion:168 Resp: 862232

Ion Ratio Lower Upper

168 100

99 48.6 39.4 59.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.65

400000

300000

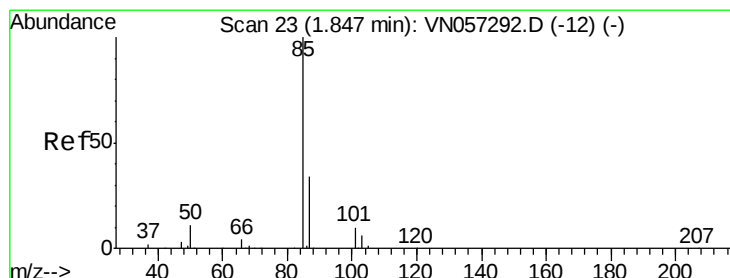
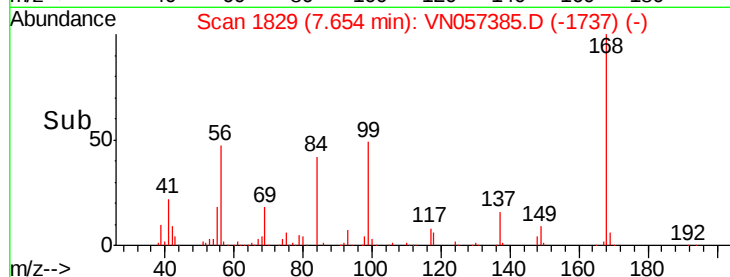
200000

100000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 44.240 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN057385.D

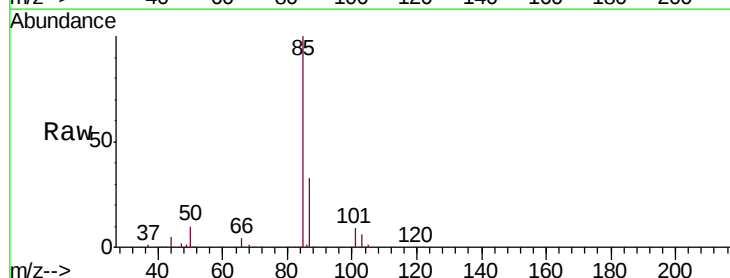
Acq: 19 Aug 2019 8:50

Tgt Ion: 85 Resp: 328235

Ion Ratio Lower Upper

85 100

87 33.4 16.9 50.7



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

250000

200000

150000

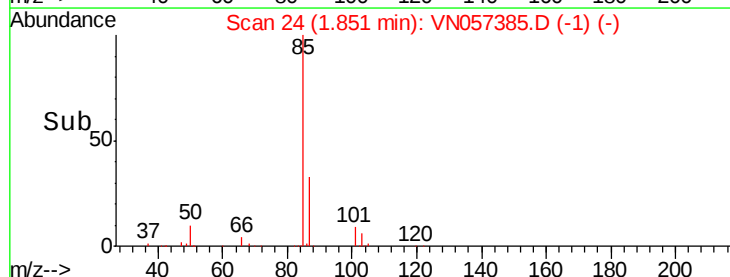
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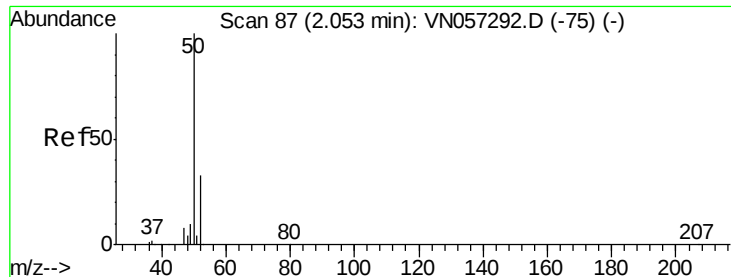
50000

0

1.80 1.90 2.00

Time-->





#3

Chloromethane

Concen: 40.267 ug/l

RT: 2.05 min Scan# 86

Delta R.T. -0.00 min

Lab File: VN057385.D

Acq: 19 Aug 2019 8:50

Instrument :

MSVOA_N

ClientSampleId :

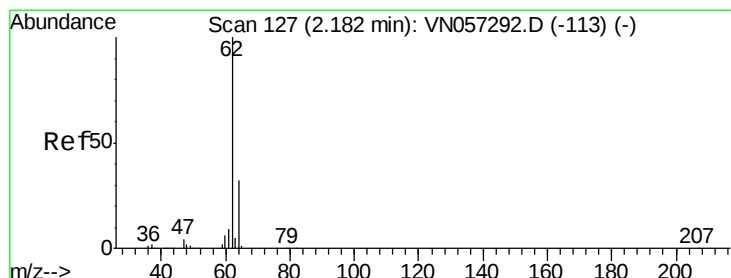
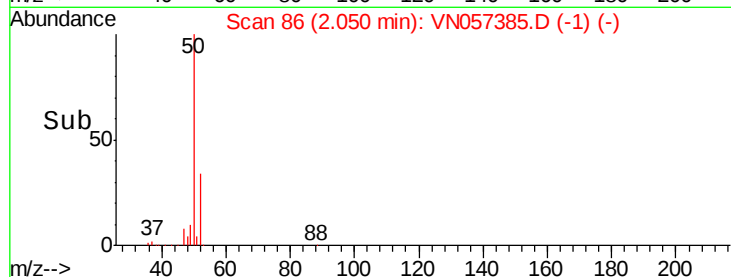
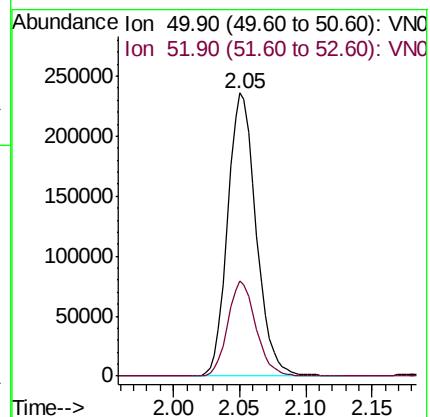
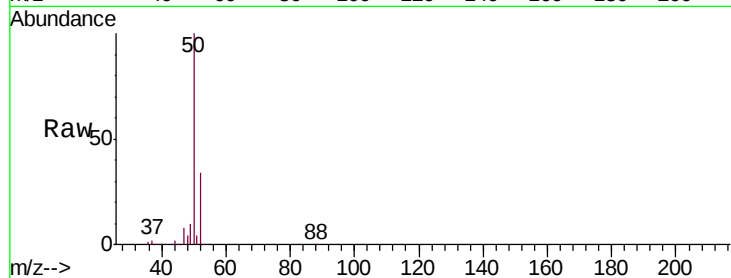
VSTDCCC050

Tgt Ion: 50 Resp: 352635

Ion Ratio Lower Upper

50 100

52 33.6 26.8 40.2



#4

Vinyl Chloride

Concen: 43.555 ug/l

RT: 2.18 min Scan# 127

Delta R.T. 0.00 min

Lab File: VN057385.D

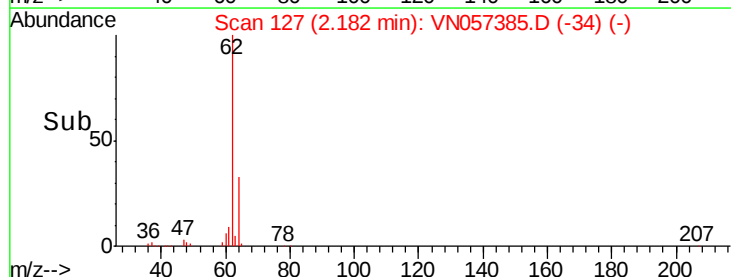
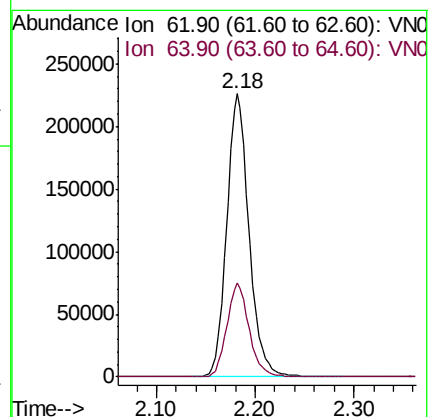
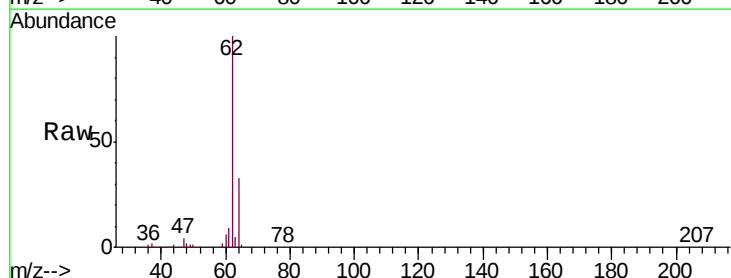
Acq: 19 Aug 2019 8:50

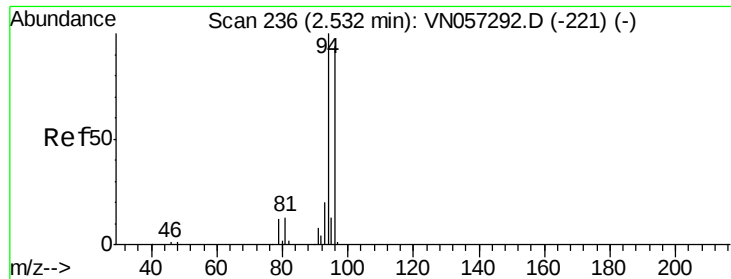
Tgt Ion: 62 Resp: 358851

Ion Ratio Lower Upper

62 100

64 33.3 25.9 38.9





#5

Bromomethane

Concen: 45.792 ug/l

RT: 2.54 min Scan# 239

Delta R.T. 0.01 min

Lab File: VN057385.D

Acq: 19 Aug 2019 8:50

Instrument :

MSVOA_N

ClientSampleId :

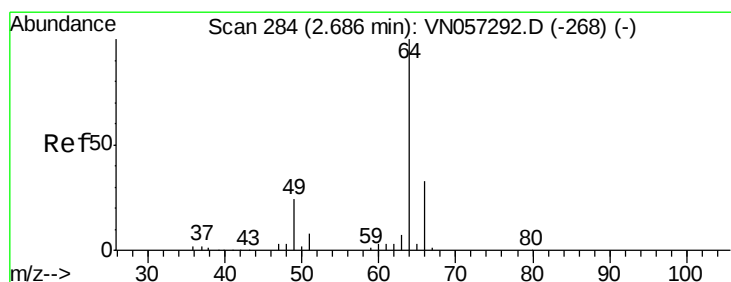
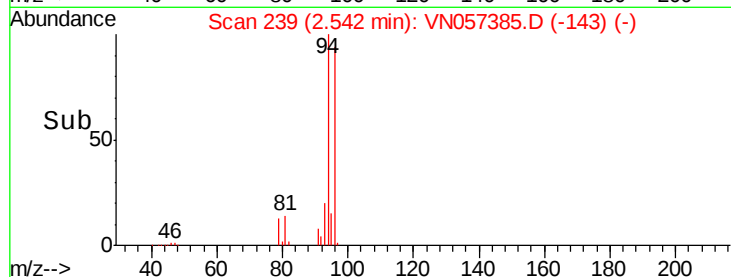
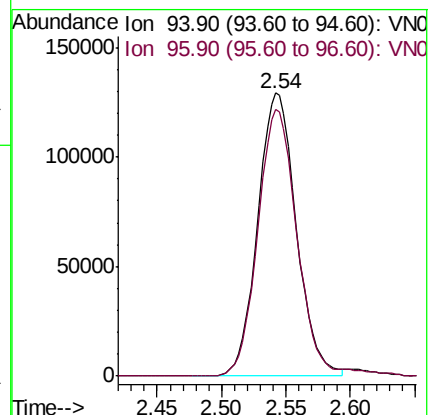
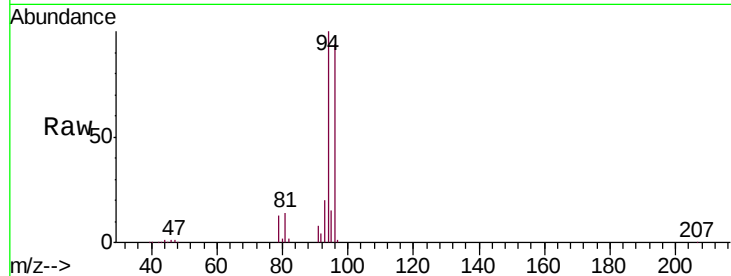
VSTDCCC050

Tgt Ion: 94 Resp: 268935

Ion Ratio Lower Upper

94 100

96 94.3 75.0 112.6



#6

Chloroethane

Concen: 43.872 ug/l

RT: 2.69 min Scan# 286

Delta R.T. 0.01 min

Lab File: VN057385.D

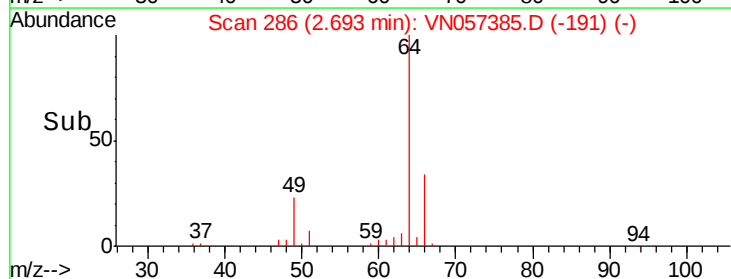
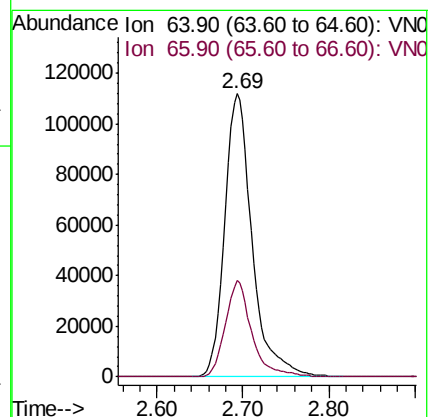
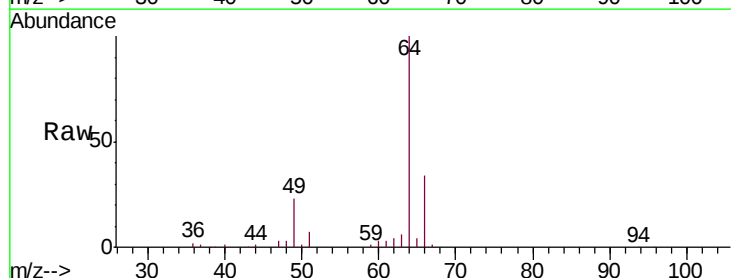
Acq: 19 Aug 2019 8:50

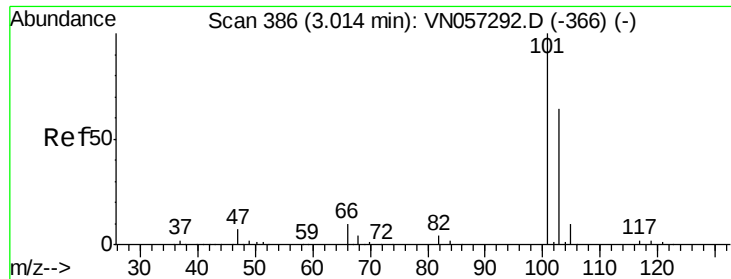
Tgt Ion: 64 Resp: 248636

Ion Ratio Lower Upper

64 100

66 34.0 26.4 39.6



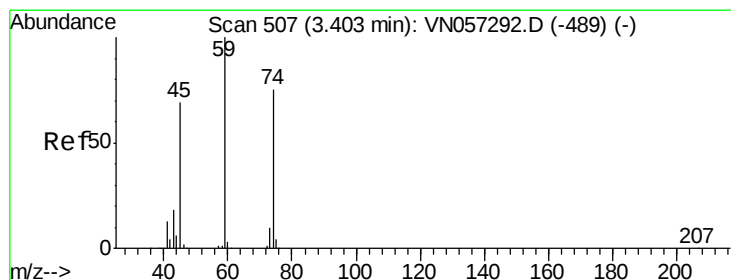
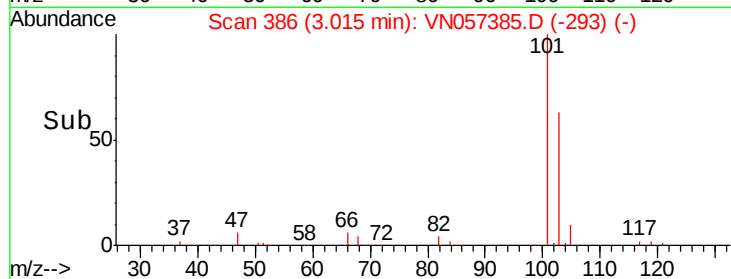
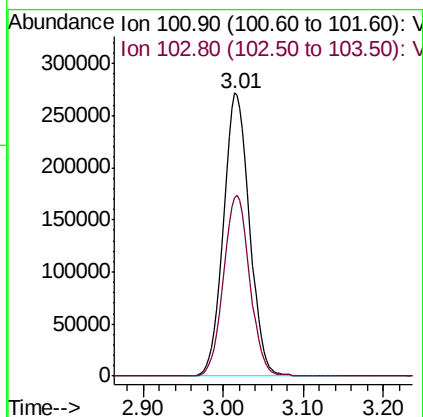
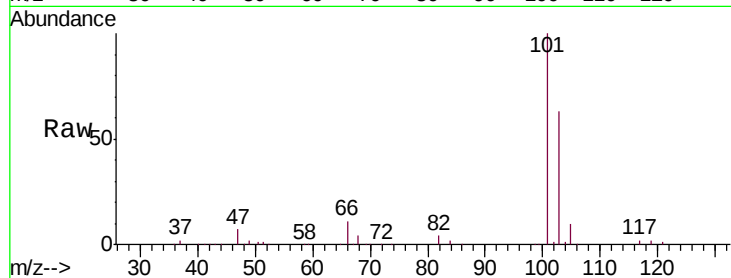


#7

Trichlorofluoromethane
Concen: 46.940 ug/l
RT: 3.01 min Scan# 386
Delta R.T. 0.00 min
Lab File: VN057385.D
Acq: 19 Aug 2019 8:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

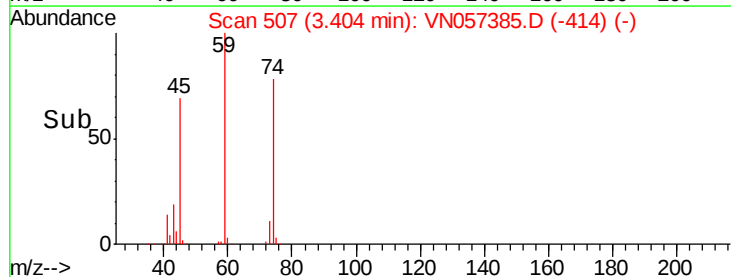
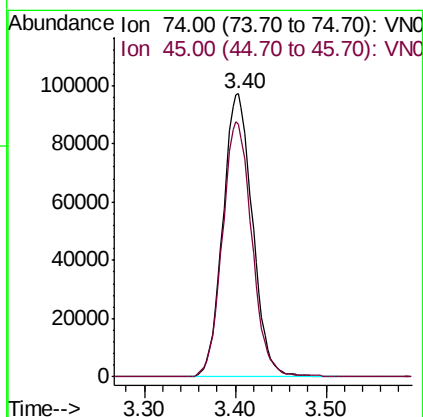
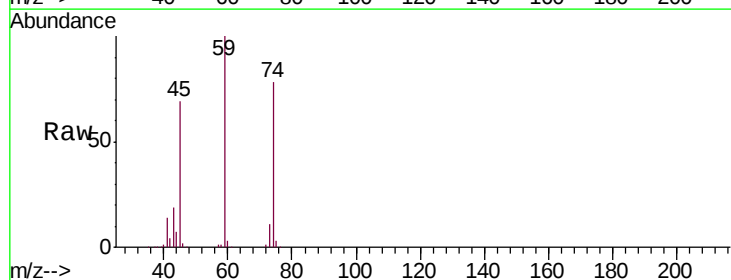
Tgt Ion: 101 Resp: 606631
Ion Ratio Lower Upper
101 100
103 63.1 51.5 77.3

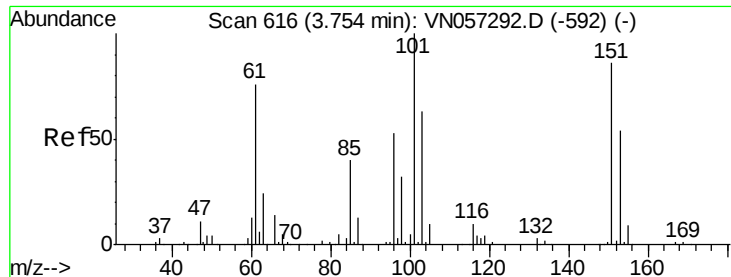


#8

Diethyl Ether
Concen: 45.165 ug/l
RT: 3.40 min Scan# 507
Delta R.T. 0.00 min
Lab File: VN057385.D
Acq: 19 Aug 2019 8:50

Tgt Ion: 74 Resp: 219685
Ion Ratio Lower Upper
74 100
45 89.8 45.9 137.6

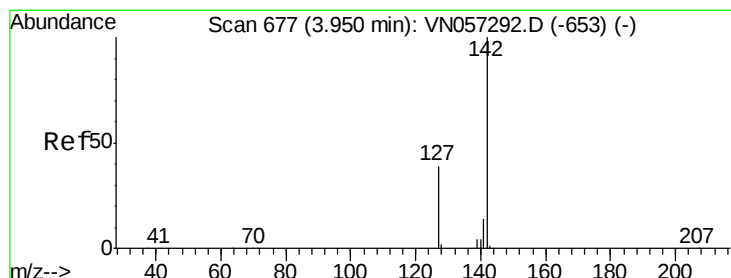
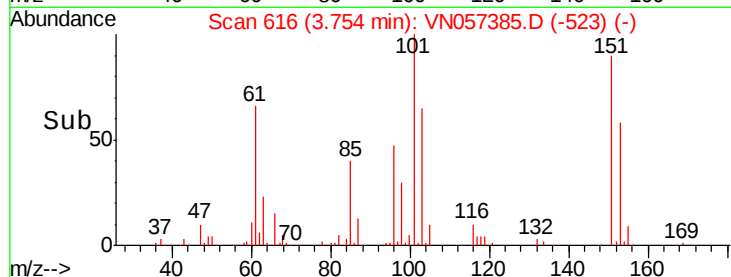
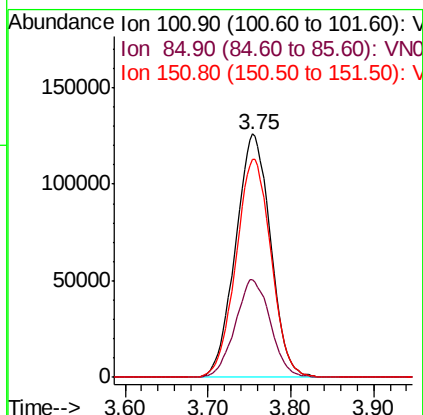
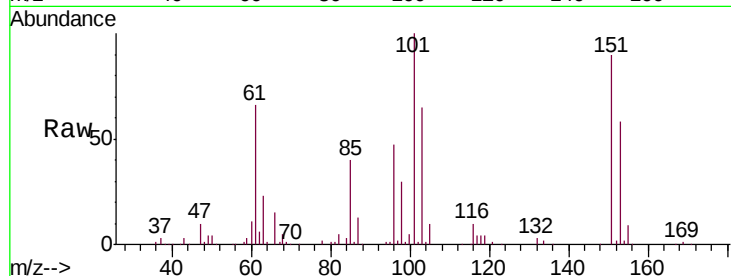




#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 48.623 ug/l
 RT: 3.75 min Scan# 616
 Delta R.T. 0.00 min
 Lab File: VN057385.D
 Acq: 19 Aug 2019 8:50

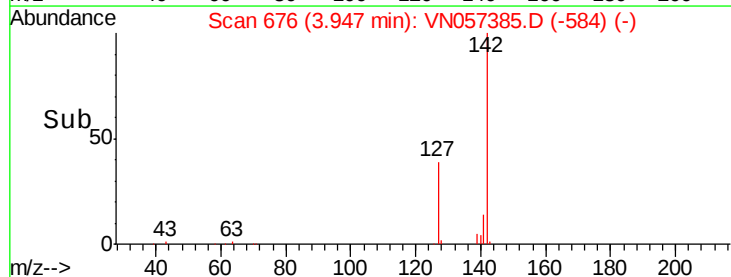
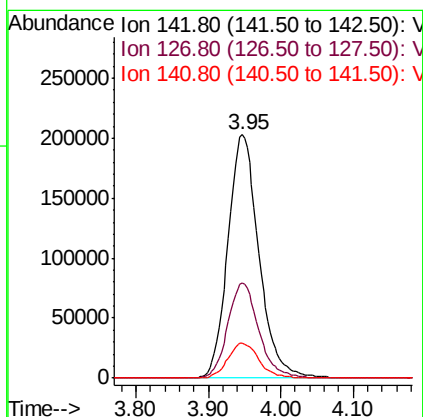
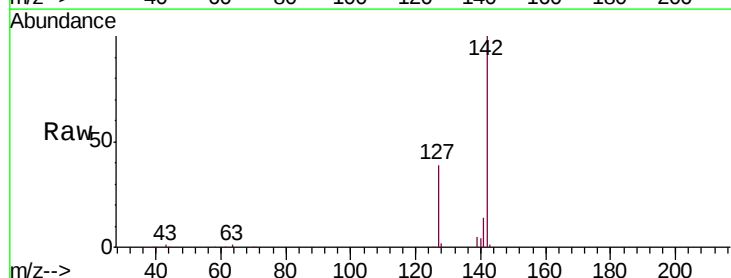
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

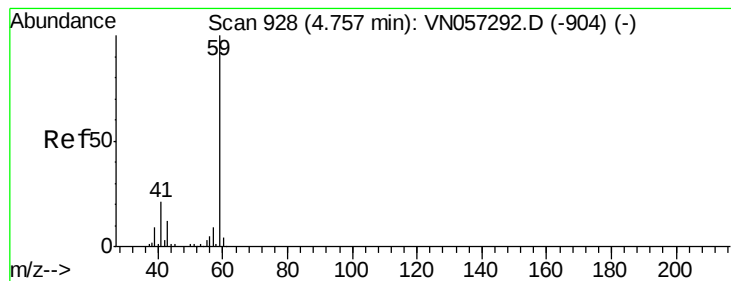
Tgt Ion:101 Resp: 369182
 Ion Ratio Lower Upper
 101 100
 85 40.4 32.7 49.1
 151 90.1 69.1 103.7



#10
 Methyl Iodide
 Concen: 49.822 ug/l
 RT: 3.95 min Scan# 676
 Delta R.T. -0.00 min
 Lab File: VN057385.D
 Acq: 19 Aug 2019 8:50

Tgt Ion:142 Resp: 604673
 Ion Ratio Lower Upper
 142 100
 127 39.0 31.6 47.4
 141 14.4 11.2 16.8



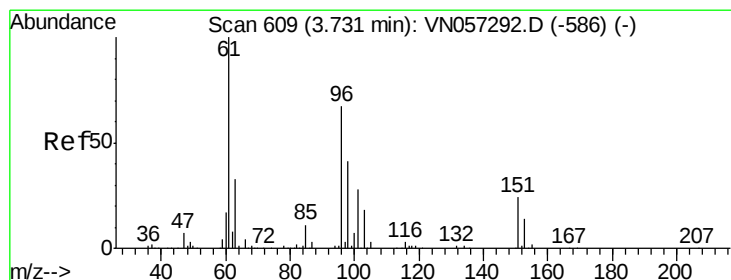
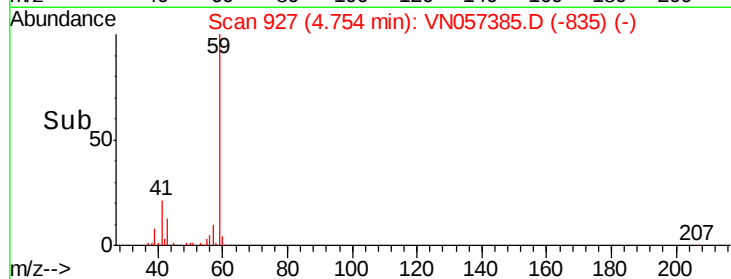
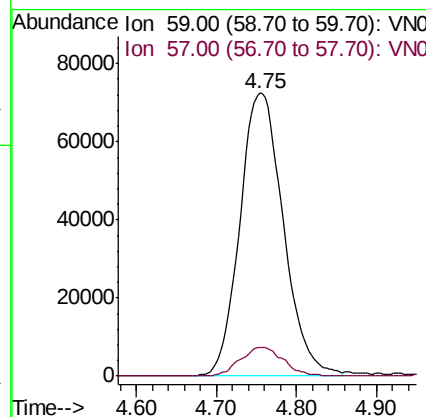
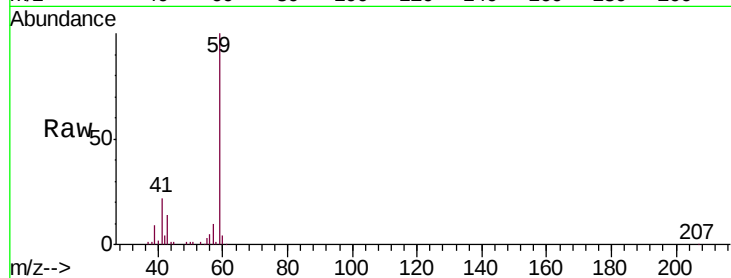


#11

Tert butyl alcohol
 Concen: 201.340 ug/l
 RT: 4.75 min Scan# 927
 Delta R.T. -0.00 min
 Lab File: VN057385.D
 Acq: 19 Aug 2019 8:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

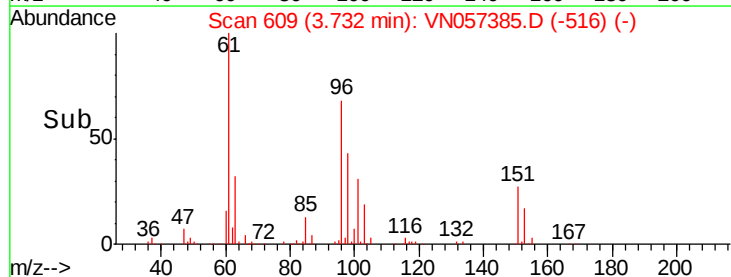
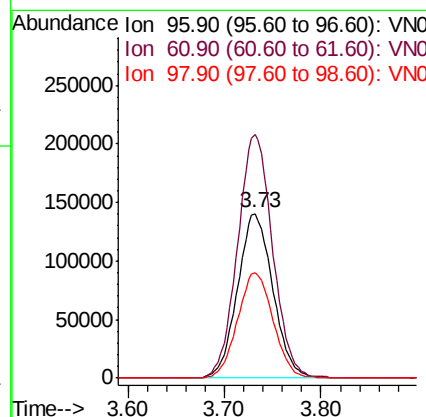
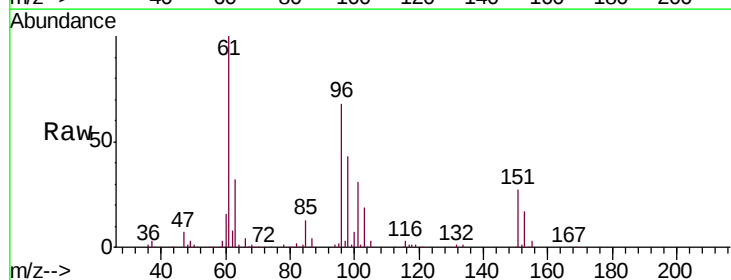
Tgt Ion: 59 Resp: 268299
 Ion Ratio Lower Upper
 59 100
 57 10.1 8.2 12.2

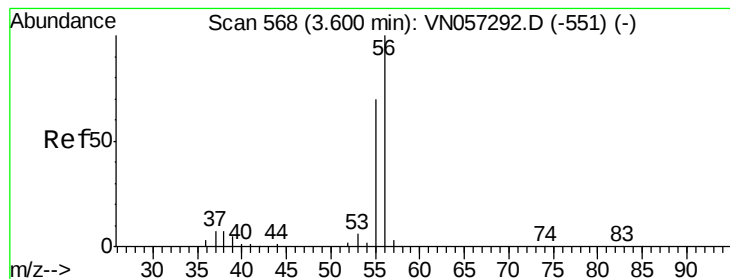


#12

1,1-Dichloroethene
 Concen: 47.146 ug/l
 RT: 3.73 min Scan# 609
 Delta R.T. 0.00 min
 Lab File: VN057385.D
 Acq: 19 Aug 2019 8:50

Tgt Ion: 96 Resp: 356664
 Ion Ratio Lower Upper
 96 100
 61 148.1 119.7 179.5
 98 64.0 49.0 73.4





#13

Acrolein

Concen: 151.745 ug/l

RT: 3.60 min Scan# 567

Delta R.T. -0.00 min

Lab File: VN057385.D

Acq: 19 Aug 2019 8:50

Instrument :

MSVOA_N

ClientSampleId :

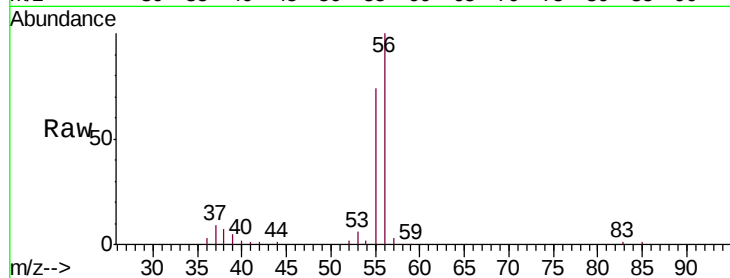
VSTDCCC050

Tgt Ion: 56 Resp: 122755

Ion Ratio Lower Upper

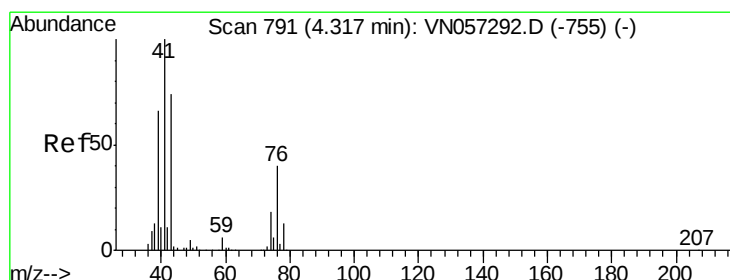
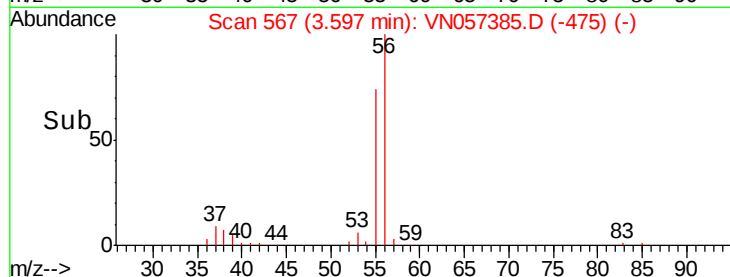
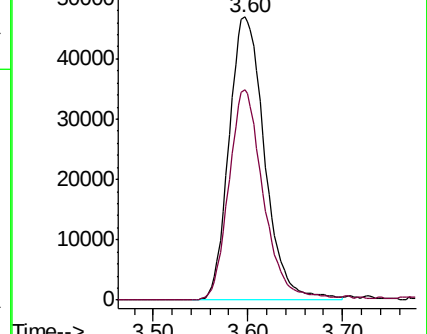
56 100

55 72.1 56.6 84.8



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 44.673 ug/l

RT: 4.31 min Scan# 790

Delta R.T. -0.00 min

Lab File: VN057385.D

Acq: 19 Aug 2019 8:50

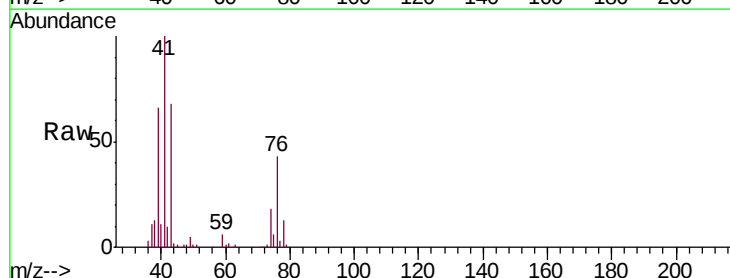
Tgt Ion: 41 Resp: 541735

Ion Ratio Lower Upper

41 100

39 62.1 49.0 73.6

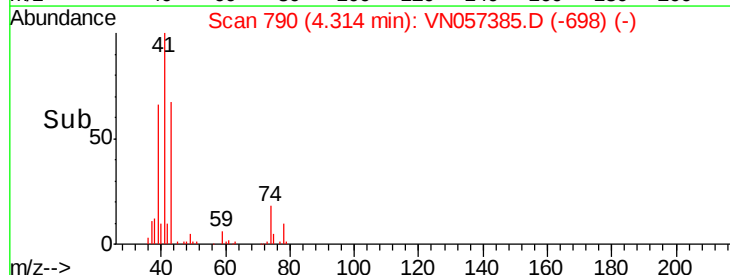
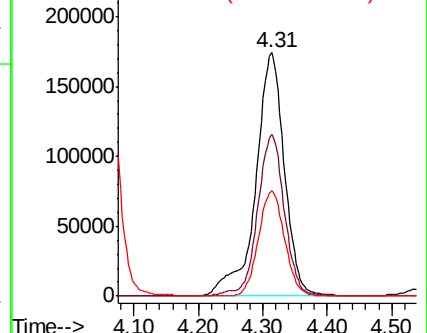
76 38.8 29.0 43.4

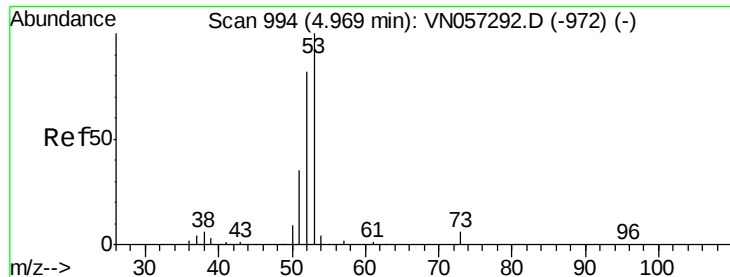


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 214.158 ug/l

RT: 4.97 min Scan# 993

Delta R.T. -0.00 min

Lab File: VN057385.D

Acq: 19 Aug 2019 8:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

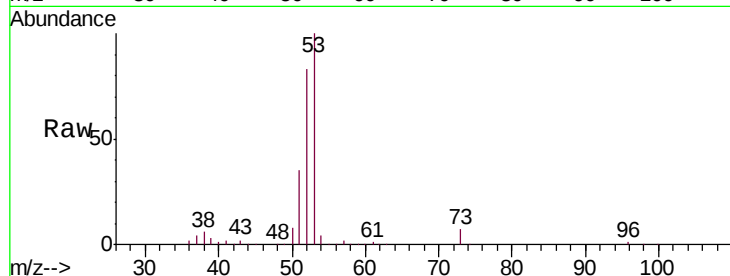
Tgt Ion: 53 Resp: 774777

Ion Ratio Lower Upper

53 100

52 83.0 66.2 99.2

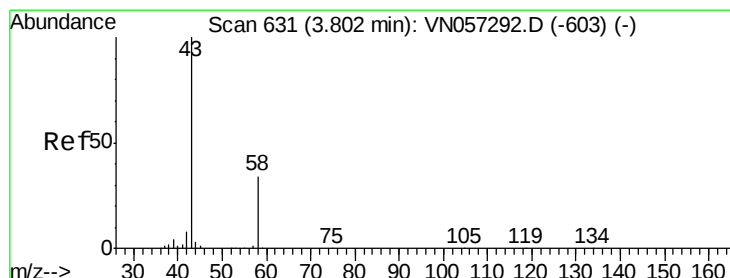
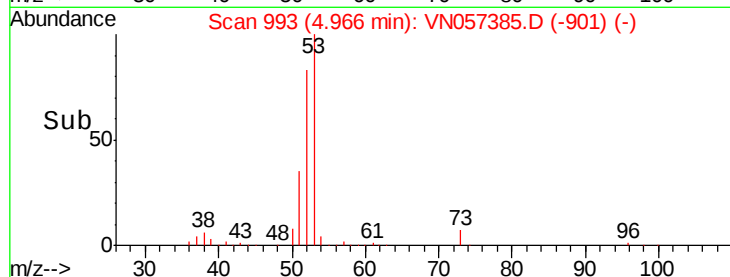
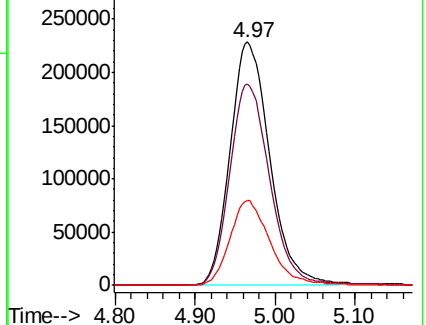
51 35.2 28.5 42.7



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: 292.698 ug/l

RT: 3.80 min Scan# 630

Delta R.T. -0.00 min

Lab File: VN057385.D

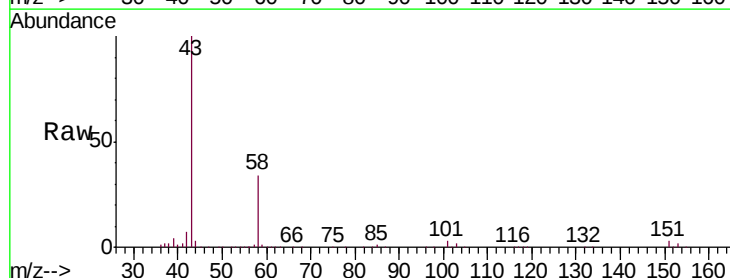
Acq: 19 Aug 2019 8:50

Tgt Ion: 43 Resp: 951742

Ion Ratio Lower Upper

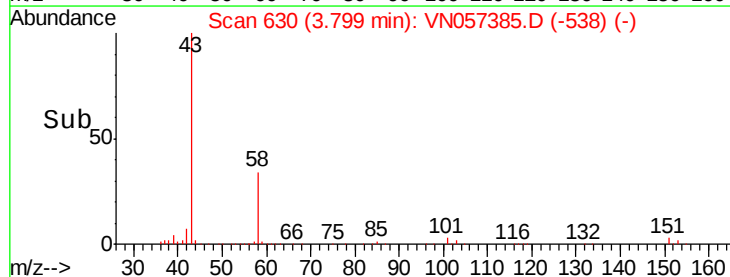
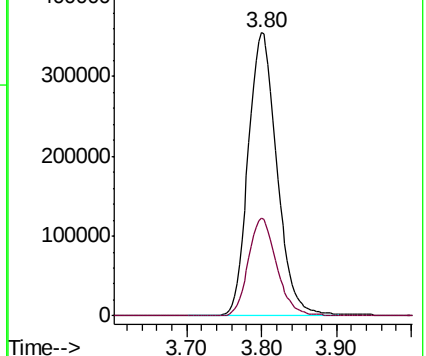
43 100

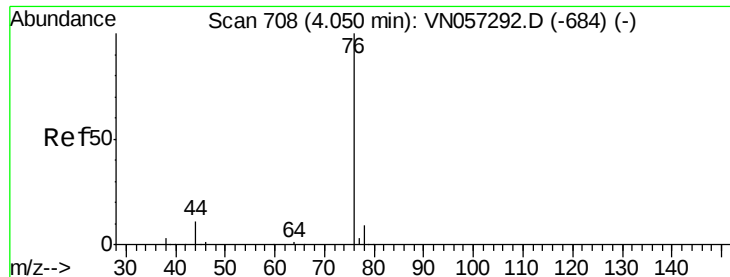
58 34.4 27.0 40.6



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

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

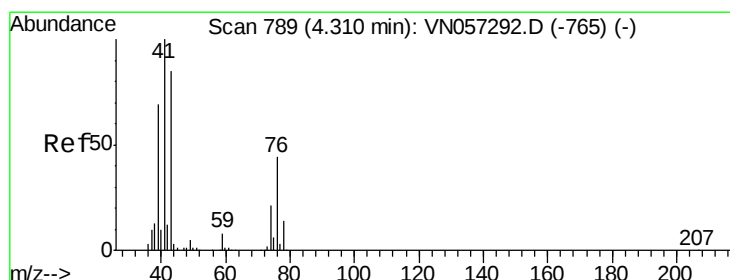
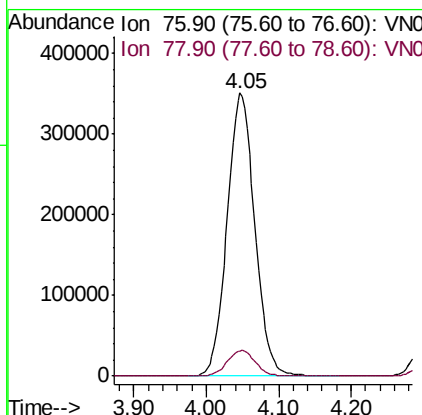
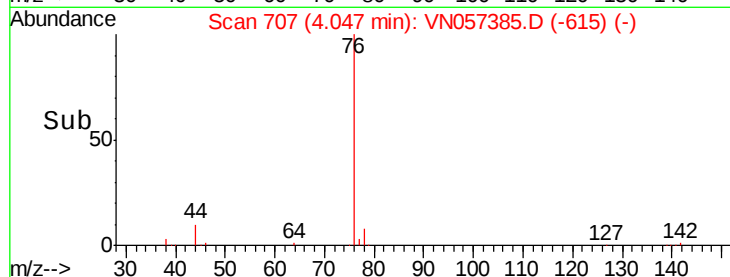
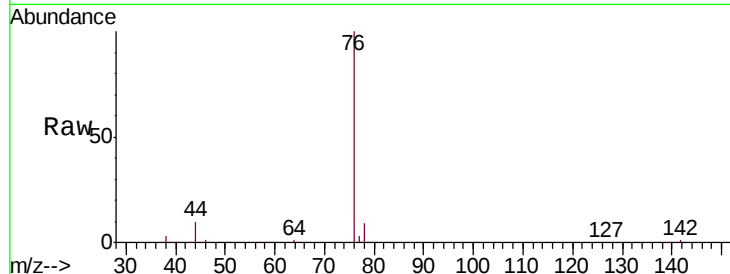




#17
Carbon Disulfide
Concen: 45.704 ug/l
RT: 4.05 min Scan# 707
Delta R.T. -0.00 min
Lab File: VN057385.D
Acq: 19 Aug 2019 8:50

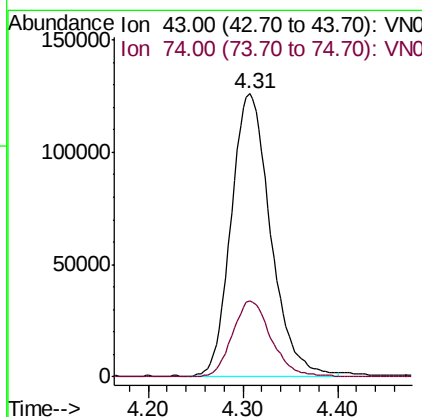
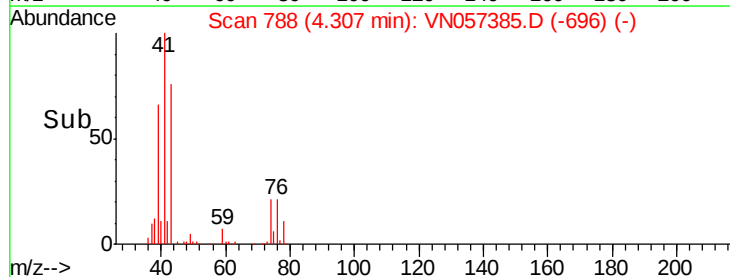
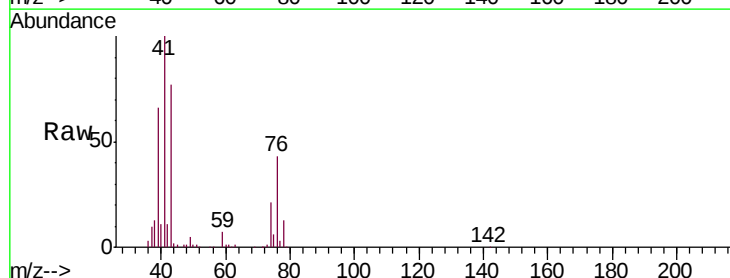
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

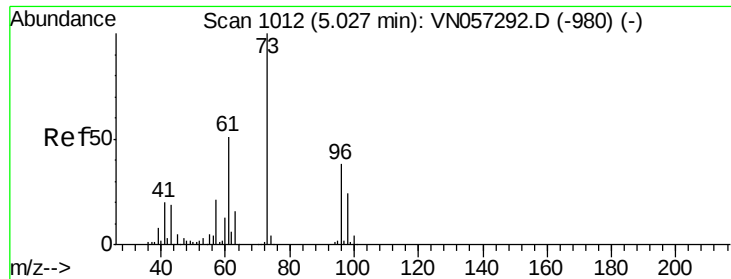
Tgt Ion: 76 Resp: 931496
Ion Ratio Lower Upper
76 100
78 9.0 7.0 10.6



#18
Methyl Acetate
Concen: 41.334 ug/l
RT: 4.31 min Scan# 788
Delta R.T. -0.00 min
Lab File: VN057385.D
Acq: 19 Aug 2019 8:50

Tgt Ion: 43 Resp: 362767
Ion Ratio Lower Upper
43 100
74 26.8 20.2 30.2

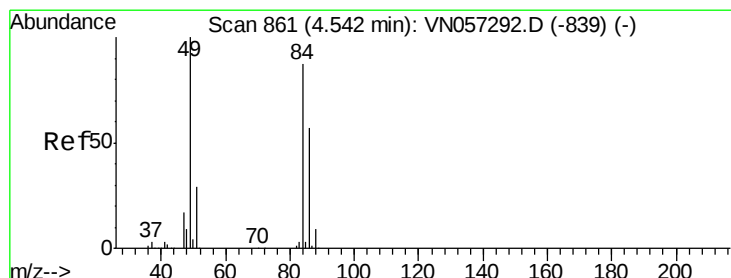
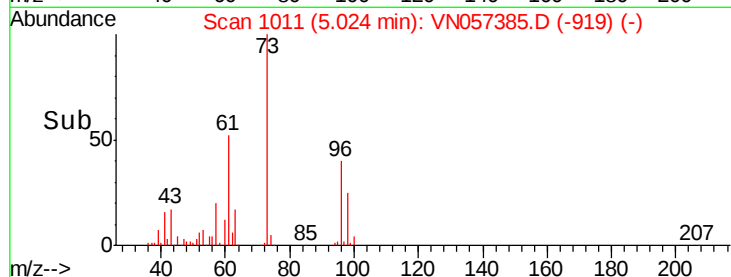
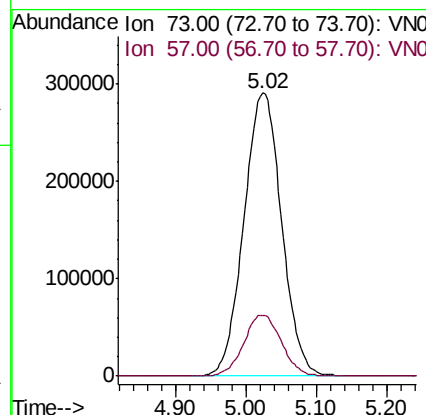
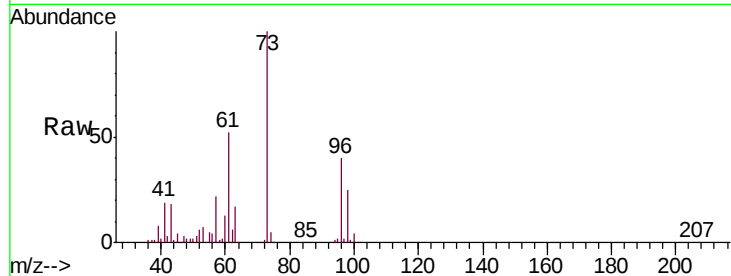




#19
Methyl tert-butyl Ether
Concen: 45.686 ug/l
RT: 5.02 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VN057385.D
Acq: 19 Aug 2019 8:50

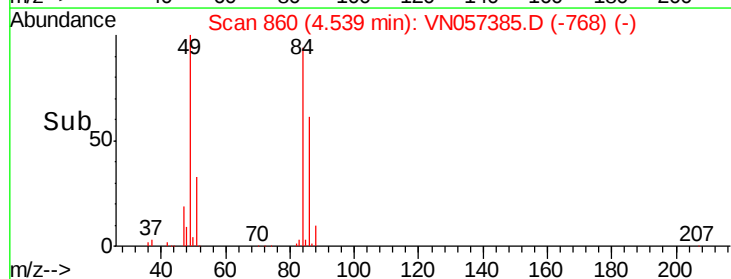
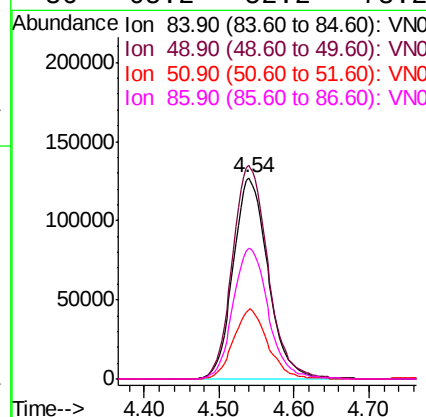
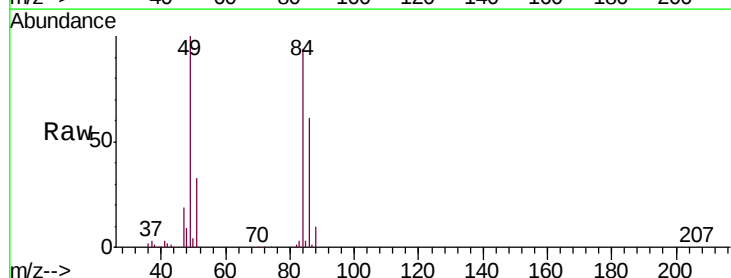
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

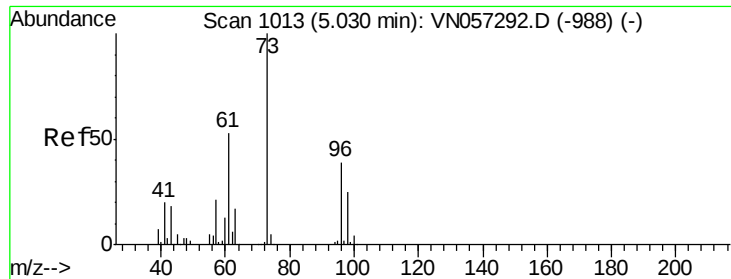
Tgt Ion: 73 Resp: 1084483
Ion Ratio Lower Upper
73 100
57 21.6 16.9 25.3



#20
Methylene Chloride
Concen: 45.401 ug/l
RT: 4.54 min Scan# 860
Delta R.T. -0.00 min
Lab File: VN057385.D
Acq: 19 Aug 2019 8:50

Tgt Ion: 84 Resp: 413049
Ion Ratio Lower Upper
84 100
49 106.2 92.0 138.0
51 34.6 27.1 40.7
86 65.2 52.2 78.2

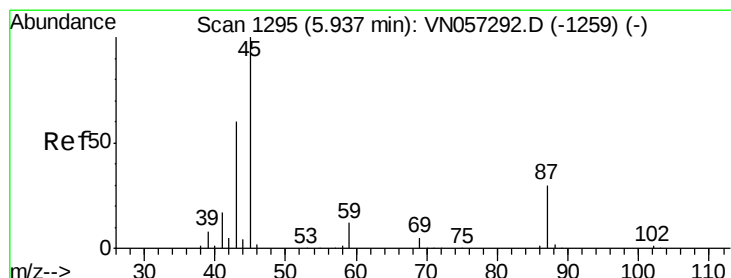
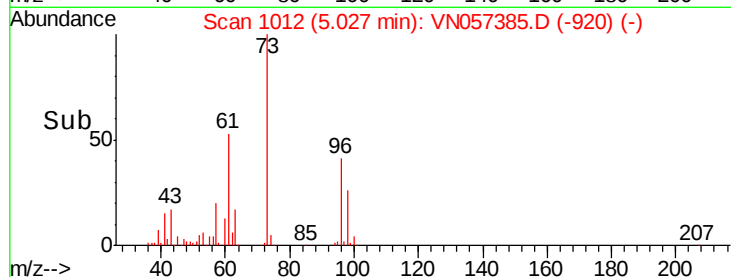
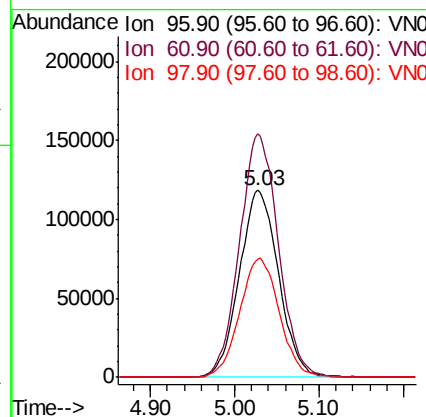
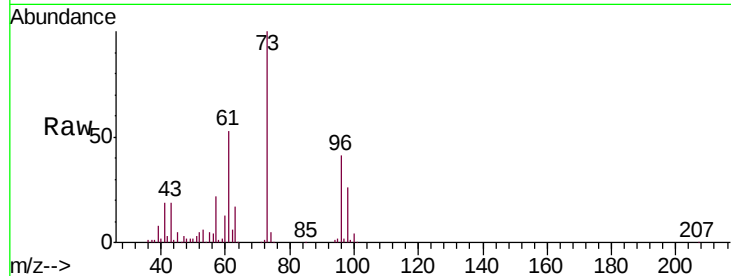




#21
trans-1,2-Dichloroethene
Concen: 47.159 ug/l
RT: 5.03 min Scan# 1012
Delta R.T. -0.00 min
Lab File: VN057385.D
Acq: 19 Aug 2019 8:50

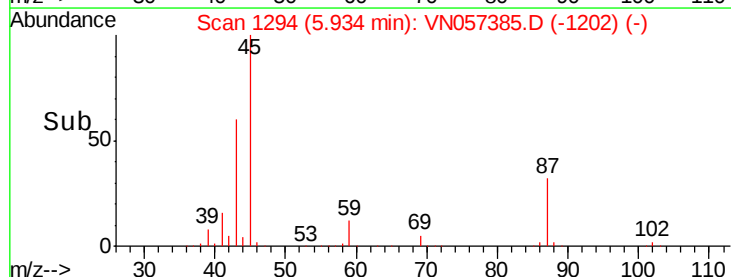
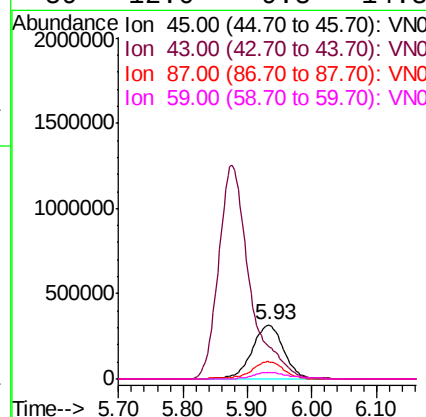
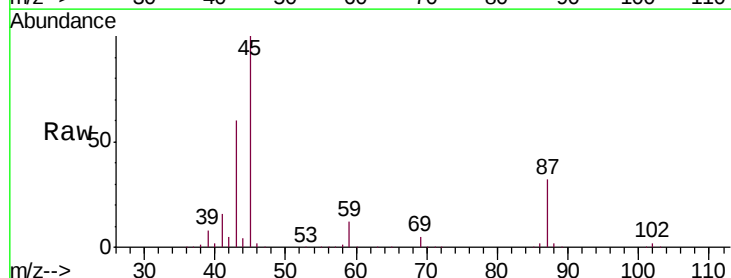
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

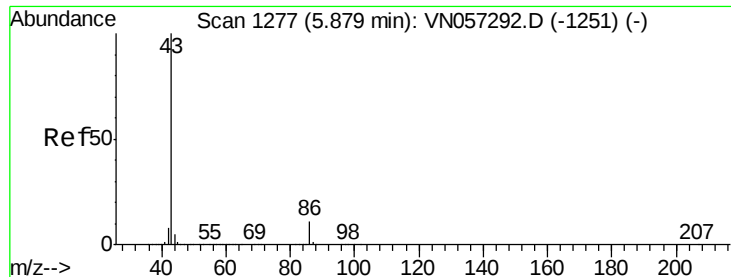
Tgt Ion: 96 Resp: 383657
Ion Ratio Lower Upper
96 100
61 130.2 109.5 164.3
98 63.5 51.0 76.6



#22
Diisopropyl ether
Concen: 44.968 ug/l
RT: 5.93 min Scan# 1294
Delta R.T. -0.00 min
Lab File: VN057385.D
Acq: 19 Aug 2019 8:50

Tgt Ion: 45 Resp: 1077220
Ion Ratio Lower Upper
45 100
43 59.0 48.3 72.5
87 31.8 24.6 36.8
59 12.0 9.8 14.8





#23

Vinyl Acetate

Concen: 219.430 ug/l

RT: 5.88 min Scan# 1276

Delta R.T. -0.00 min

Lab File: VN057385.D

Acq: 19 Aug 2019 8:50

Instrument :

MSVOA_N

ClientSampleId :

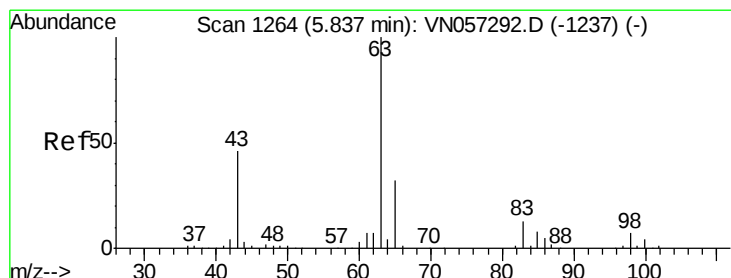
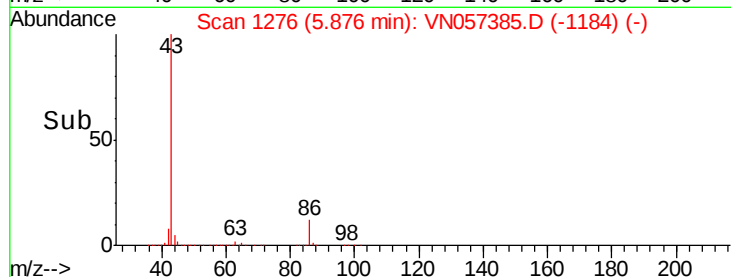
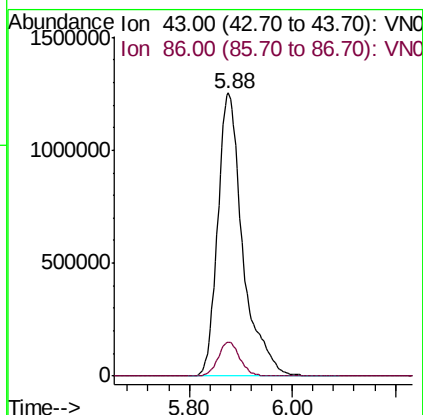
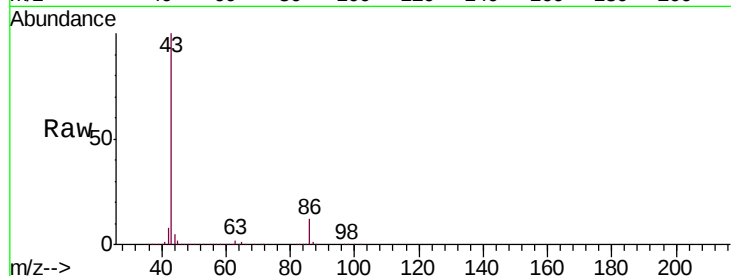
VSTDCCC050

Tgt Ion: 43 Resp: 4230497

Ion Ratio Lower Upper

43 100

86 12.0 8.7 13.1



#24

1,1-Dichloroethane

Concen: 45.971 ug/l

RT: 5.83 min Scan# 1263

Delta R.T. -0.00 min

Lab File: VN057385.D

Acq: 19 Aug 2019 8:50

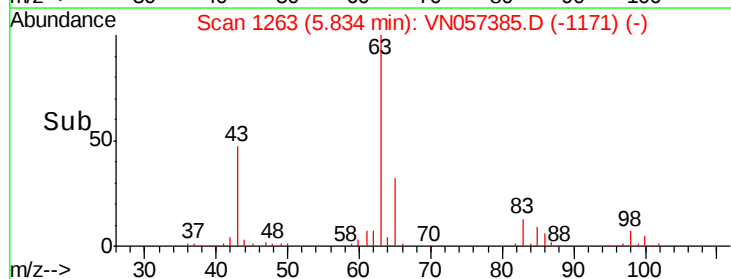
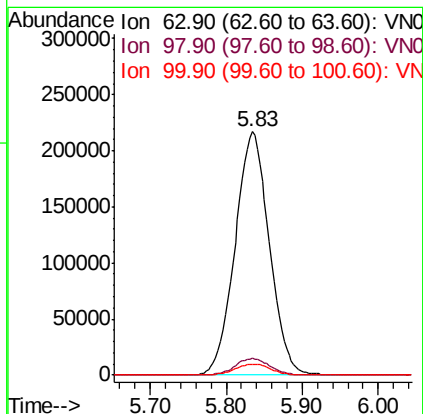
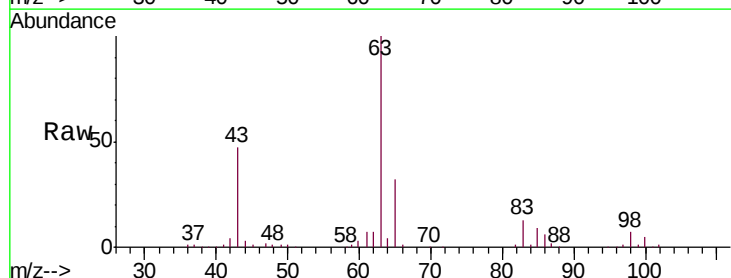
Tgt Ion: 63 Resp: 677530

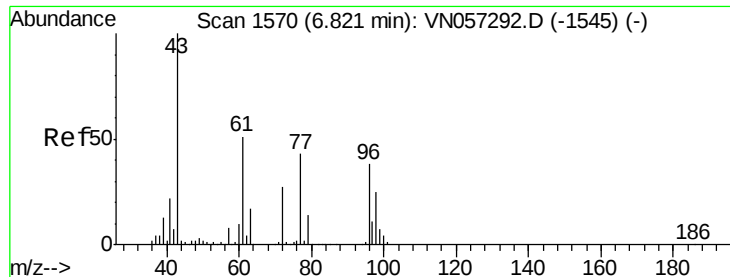
Ion Ratio Lower Upper

63 100

98 6.8 3.3 9.9

100 4.6 2.1 6.5

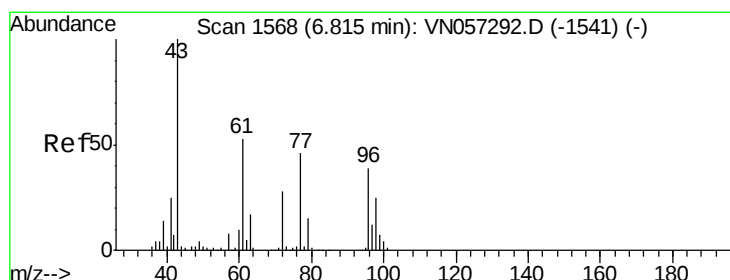
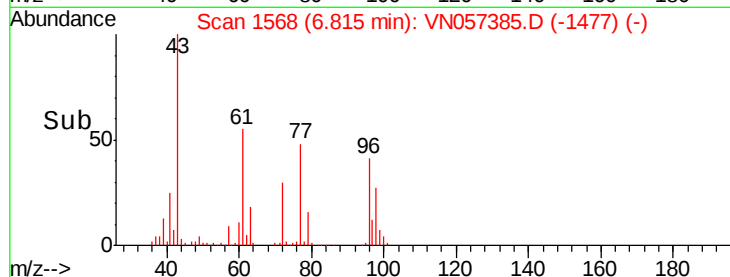
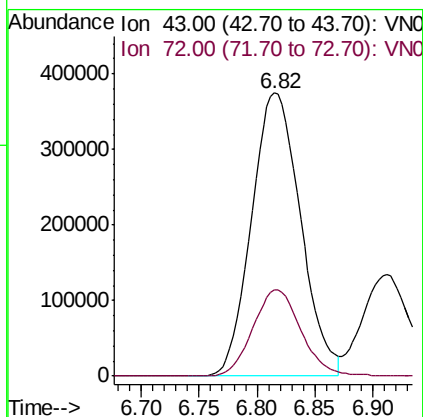
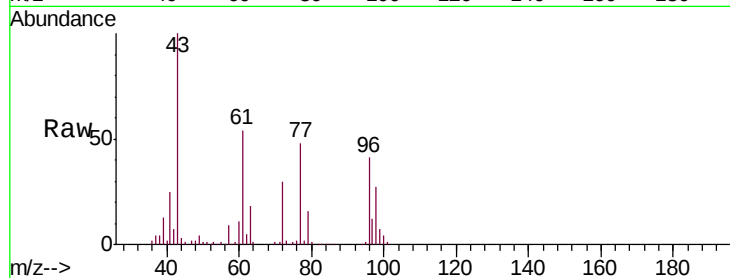




#25
2-Butanone
Concen: 233.729 ug/l
RT: 6.82 min Scan# 1568
Delta R.T. -0.01 min
Lab File: VN057385.D
Acq: 19 Aug 2019 8:50

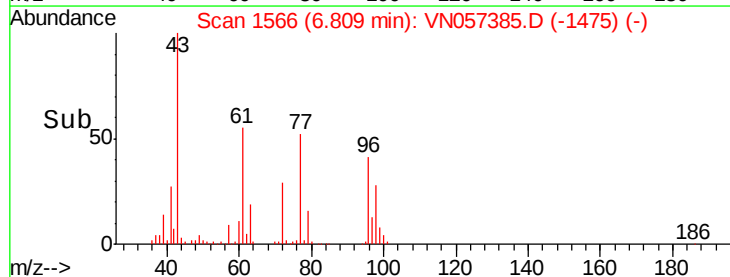
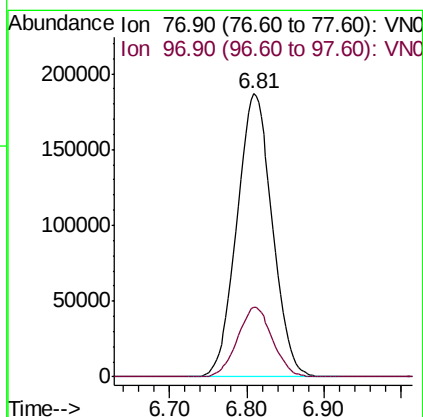
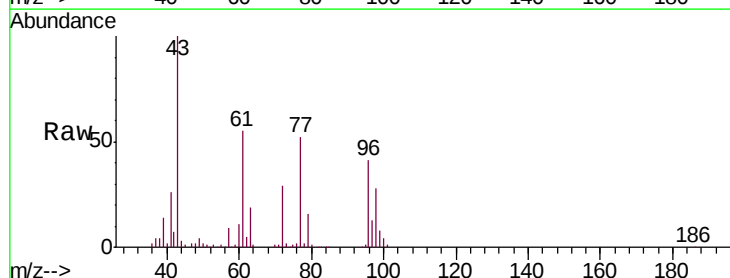
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

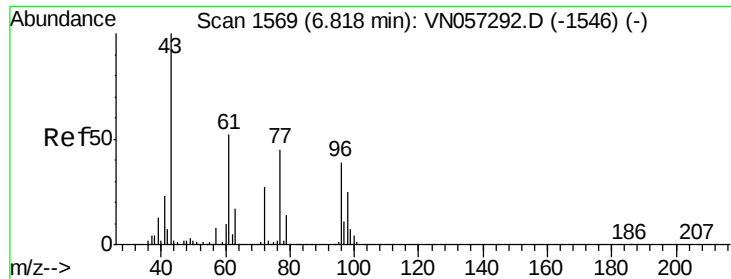
Tgt Ion: 43 Resp: 1100556
Ion Ratio Lower Upper
43 100
72 30.4 21.5 32.3



#26
2,2-Dichloropropane
Concen: 49.854 ug/l
RT: 6.81 min Scan# 1566
Delta R.T. -0.01 min
Lab File: VN057385.D
Acq: 19 Aug 2019 8:50

Tgt Ion: 77 Resp: 593812
Ion Ratio Lower Upper
77 100
97 24.4 12.3 36.9

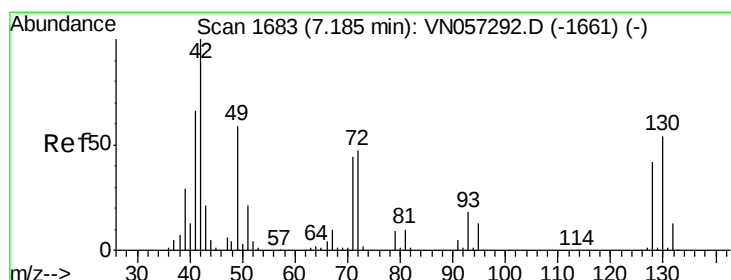
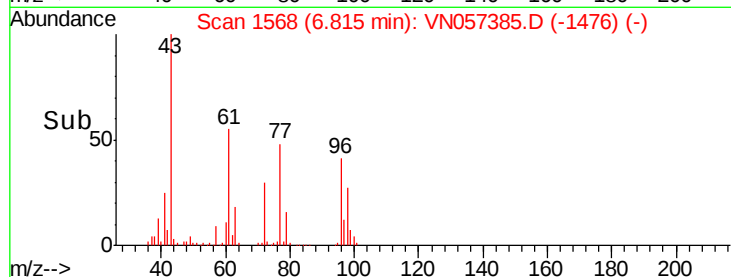
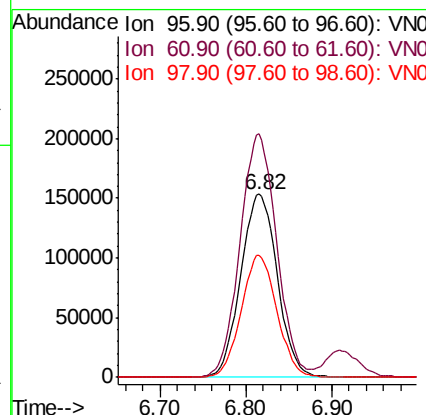
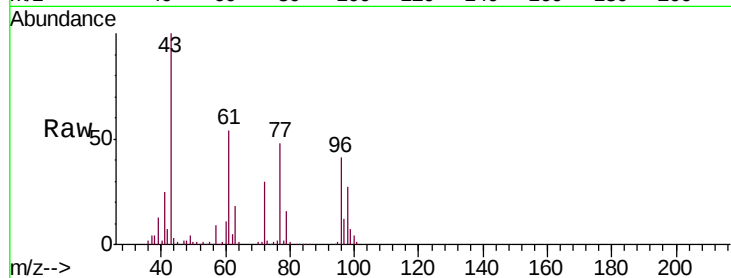




#27
 cis-1,2-Dichloroethene
 Concen: 47.204 ug/l
 RT: 6.82 min Scan# 1568
 Delta R.T. -0.00 min
 Lab File: VN057385.D
 Acq: 19 Aug 2019 8:50

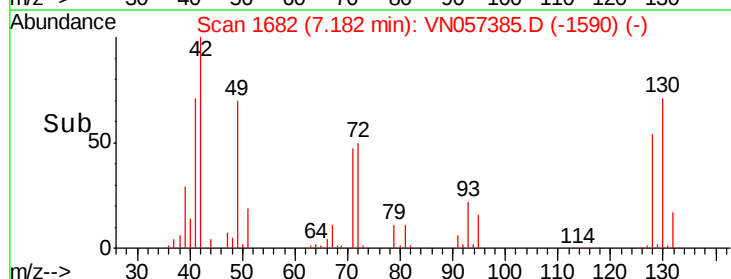
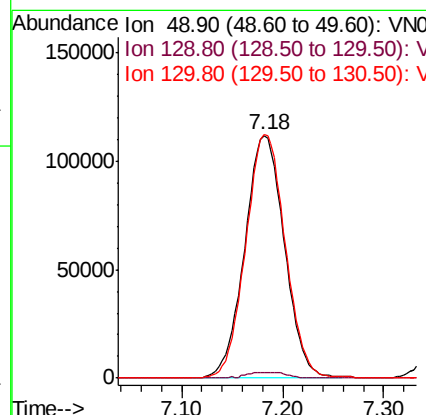
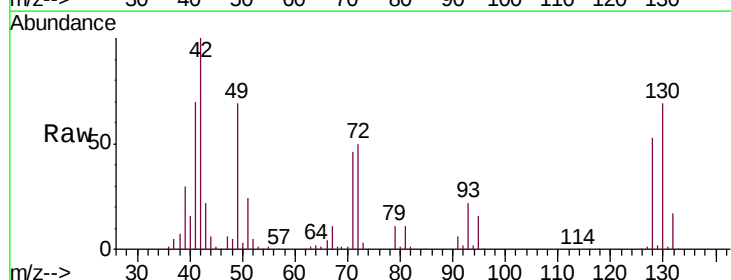
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

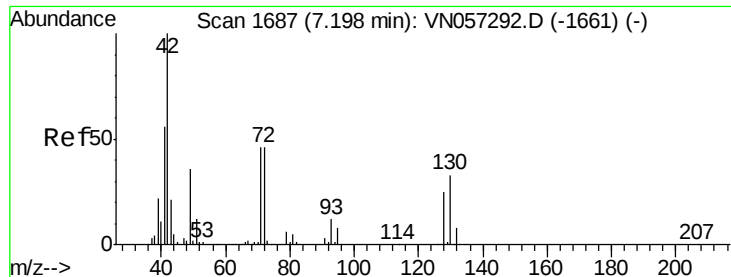
Tgt Ion: 96 Resp: 454641
 Ion Ratio Lower Upper
 96 100
 61 133.2 0.0 272.0
 98 64.9 0.0 130.4



#28
 Bromochloromethane
 Concen: 46.734 ug/l
 RT: 7.18 min Scan# 1682
 Delta R.T. -0.00 min
 Lab File: VN057385.D
 Acq: 19 Aug 2019 8:50

Tgt Ion: 49 Resp: 306031
 Ion Ratio Lower Upper
 49 100
 129 2.3 0.0 2.0#
 130 99.9 73.2 109.8

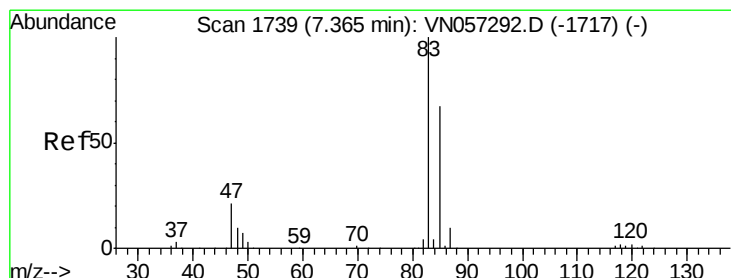
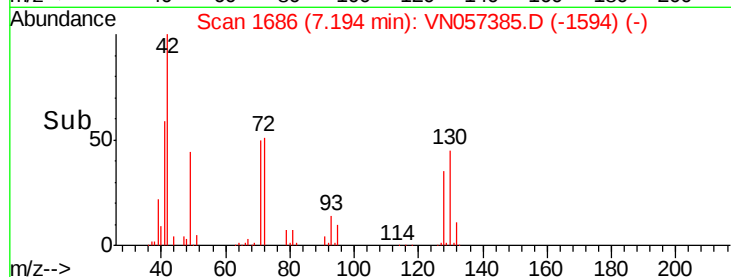
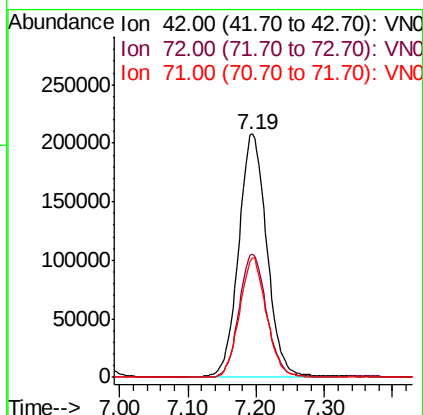
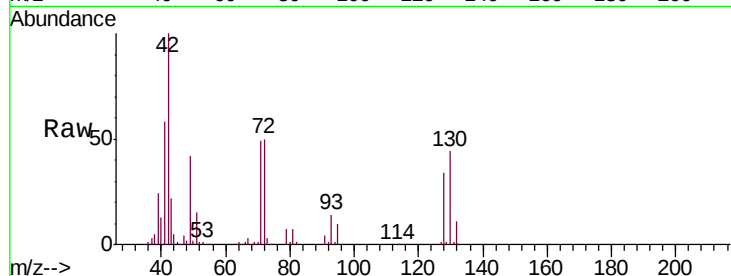




#29
Tetrahydrofuran
Concen: 200.140 ug/l
RT: 7.19 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VN057385.D
Acq: 19 Aug 2019 8:50

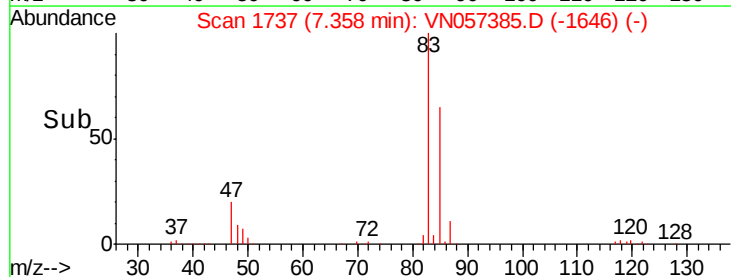
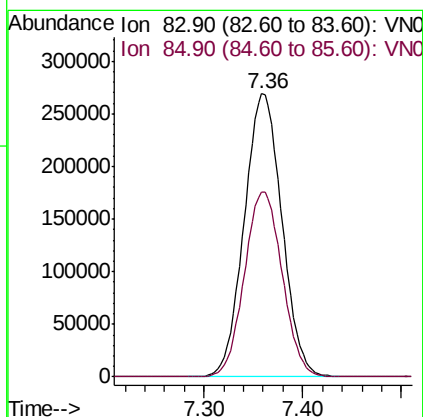
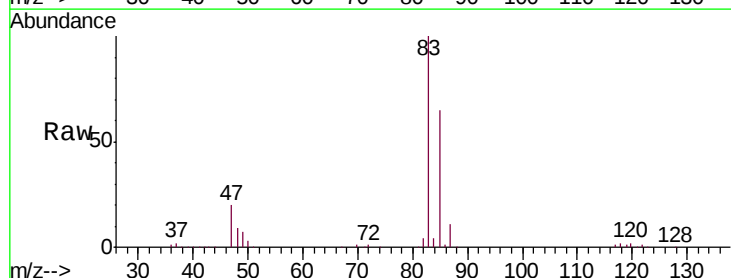
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

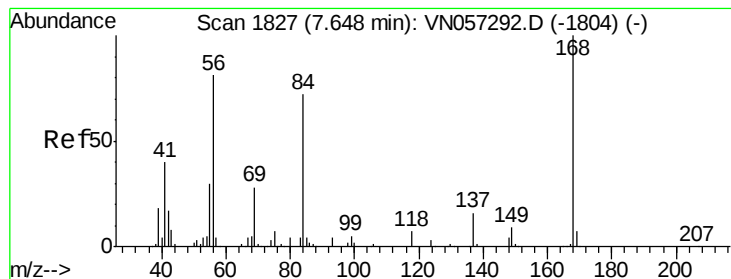
Tgt Ion: 42 Resp: 596396
Ion Ratio Lower Upper
42 100
72 49.6 37.8 56.6
71 46.7 35.7 53.5



#30
Chloroform
Concen: 46.039 ug/l
RT: 7.36 min Scan# 1737
Delta R.T. -0.01 min
Lab File: VN057385.D
Acq: 19 Aug 2019 8:50

Tgt Ion: 83 Resp: 711065
Ion Ratio Lower Upper
83 100
85 65.3 53.3 79.9





#31

Cyclohexane

Concen: 42.854 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VN057385.D

Acq: 19 Aug 2019 8:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

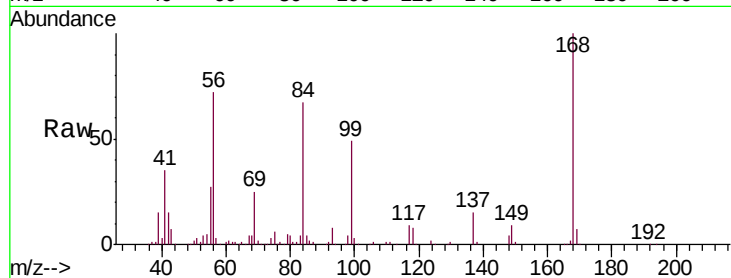
Tgt Ion: 56 Resp: 547334

Ion Ratio Lower Upper

56 100

69 34.6 27.3 40.9

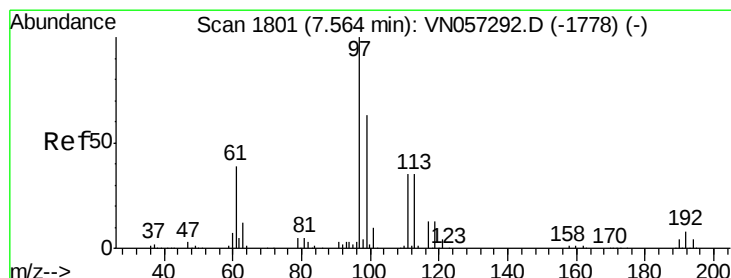
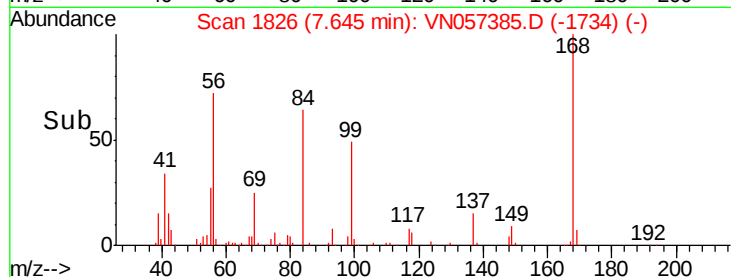
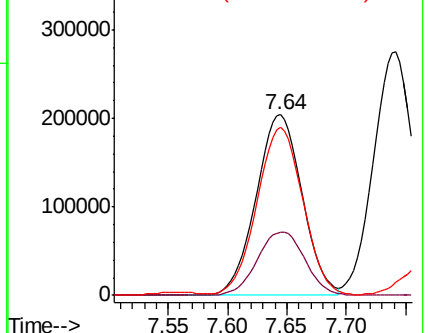
84 91.2 71.0 106.6



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 48.485 ug/l

RT: 7.56 min Scan# 1799

Delta R.T. -0.01 min

Lab File: VN057385.D

Acq: 19 Aug 2019 8:50

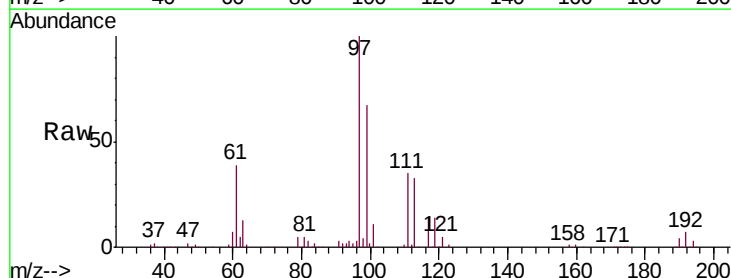
Tgt Ion: 97 Resp: 629853

Ion Ratio Lower Upper

97 100

99 65.3 50.3 75.5

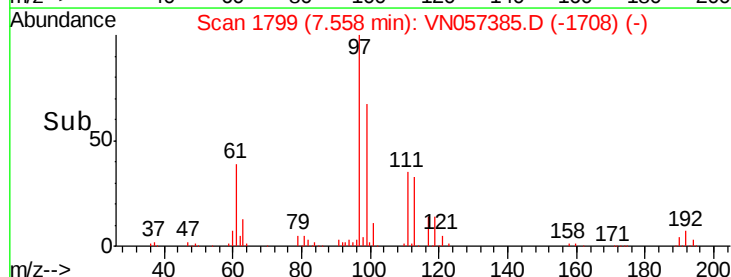
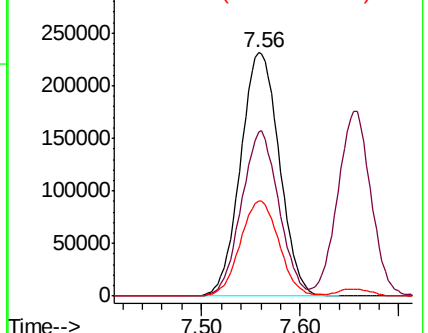
61 39.1 31.3 46.9

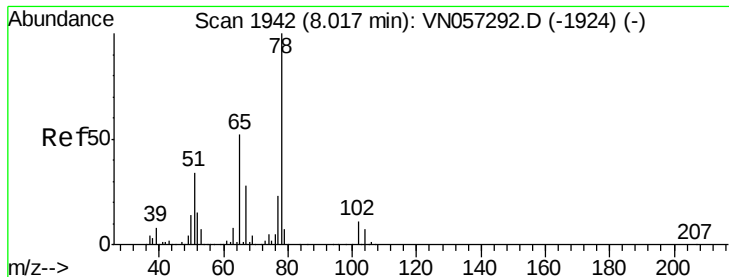


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0





#33

1,2-Dichloroethane-d4

Concen: 49.722 ug/l

RT: 8.01 min Scan# 1941

Delta R.T. -0.00 min

Lab File: VN057385.D

Acq: 19 Aug 2019 8:50

Instrument :

MSVOA_N

ClientSampleId :

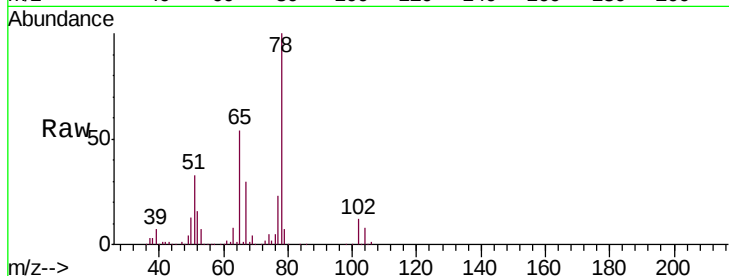
VSTDCCC050

Tgt Ion: 65 Resp: 466066

Ion Ratio Lower Upper

65 100

67 55.0 0.0 107.4



Abundance Ion 64.90 (64.60 to 65.60): VN057292.D (-1924) (-)

Ion 66.90 (66.60 to 67.60): VN057292.D (-1924) (-)

8.01

200000

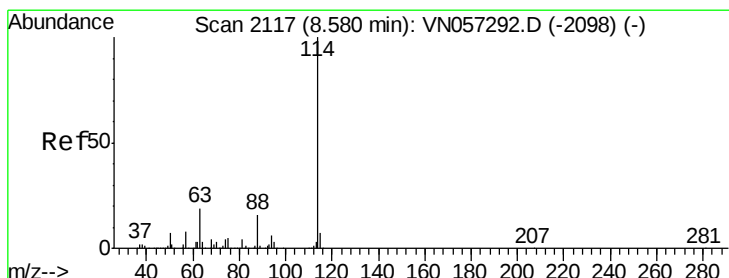
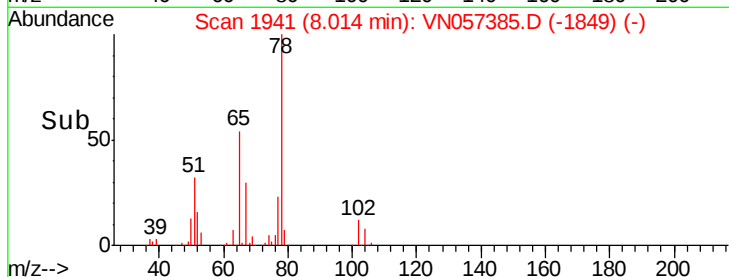
150000

100000

50000

0

Time--> 7.90 7.95 8.00 8.05 8.10



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.58 min Scan# 2116

Delta R.T. -0.00 min

Lab File: VN057385.D

Acq: 19 Aug 2019 8:50

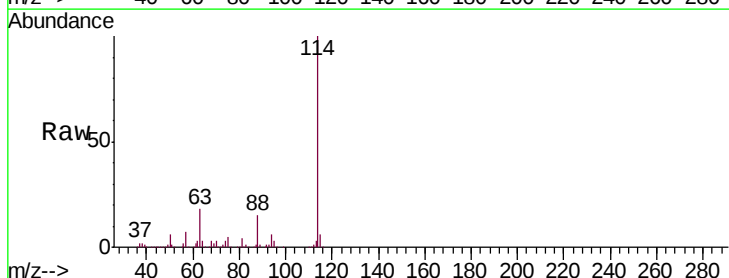
Tgt Ion: 114 Resp: 1204463

Ion Ratio Lower Upper

114 100

63 17.8 0.0 38.8

88 15.3 0.0 31.4



Abundance Ion 113.90 (113.60 to 114.60): VN057292.D (-2098) (-)

Ion 63.00 (62.70 to 63.70): VN057292.D (-2098) (-)

Ion 87.90 (87.60 to 88.60): VN057292.D (-2098) (-)

8.58

800000

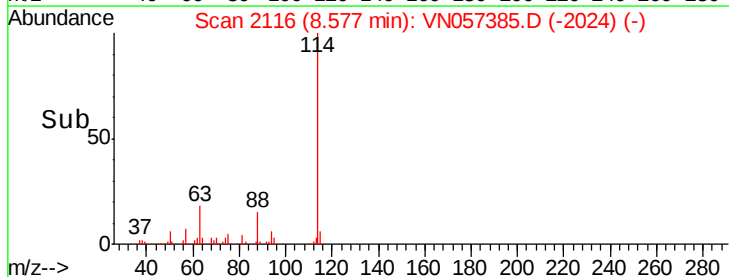
600000

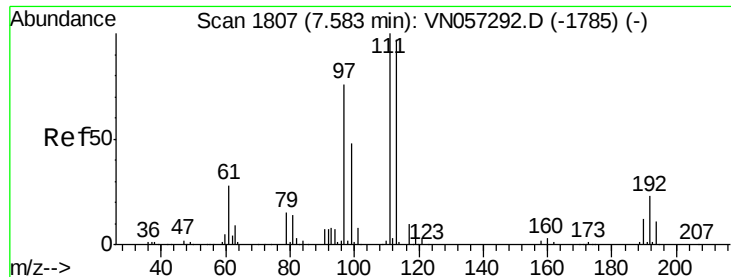
400000

200000

0

Time--> 8.50 8.55 8.60

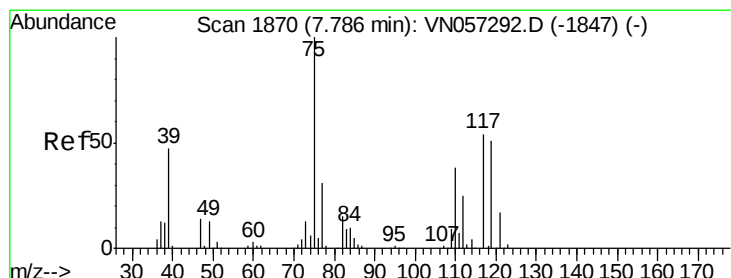
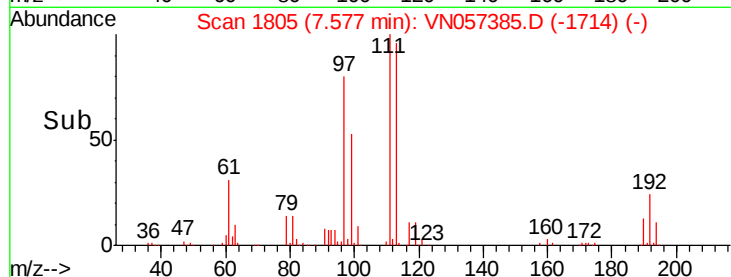
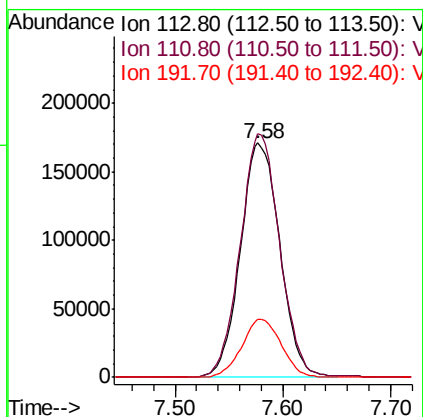
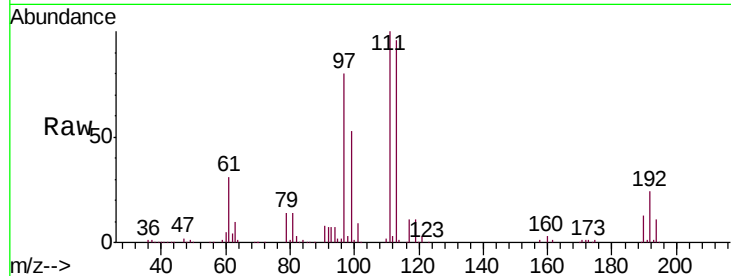




#35
 Dibromofluoromethane
 Concen: 55.237 ug/l
 RT: 7.58 min Scan# 1805
 Delta R.T. -0.01 min
 Lab File: VN057385.D
 Acq: 19 Aug 2019 8:50

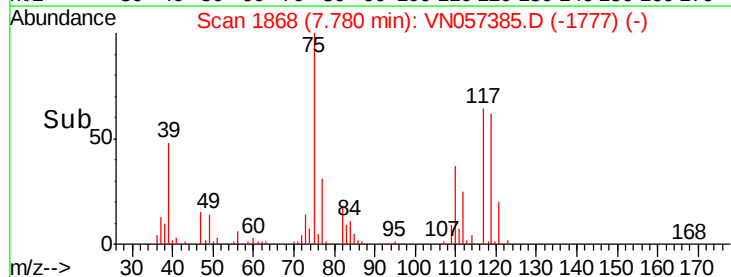
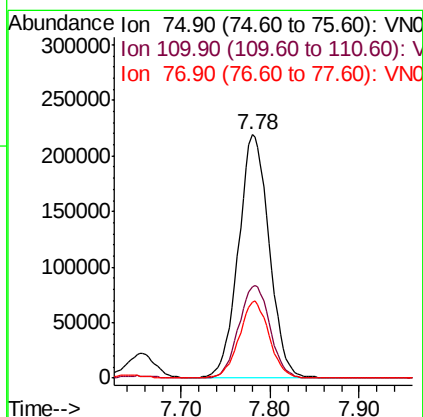
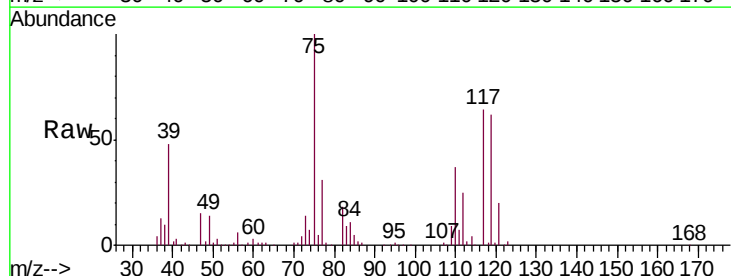
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

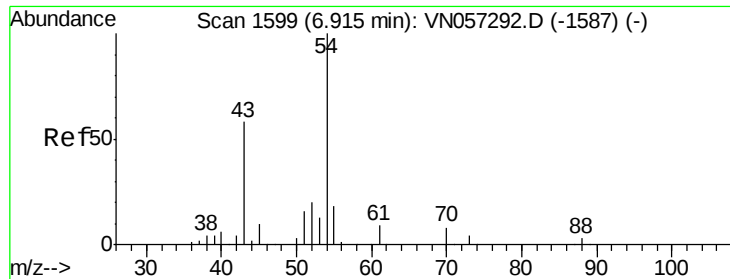
Tgt Ion	Ratio	Lower	Upper
113	100		
111	104.2	82.1	123.1
192	24.7	19.3	28.9



#36
 1,1-Dichloropropene
 Concen: 49.199 ug/l
 RT: 7.78 min Scan# 1868
 Delta R.T. -0.01 min
 Lab File: VN057385.D
 Acq: 19 Aug 2019 8:50

Tgt Ion	Ratio	Lower	Upper
75	100		
110	39.0	19.5	58.5
77	31.2	25.0	37.6

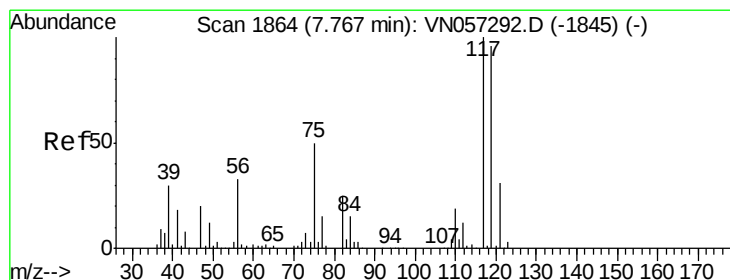
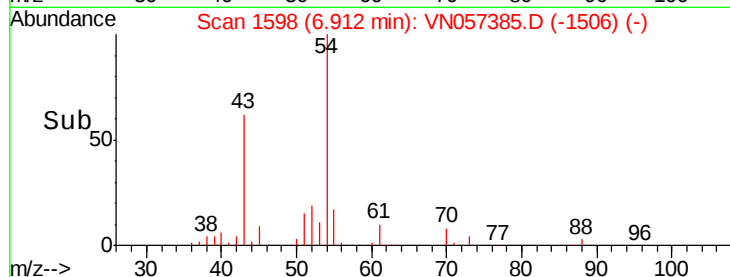
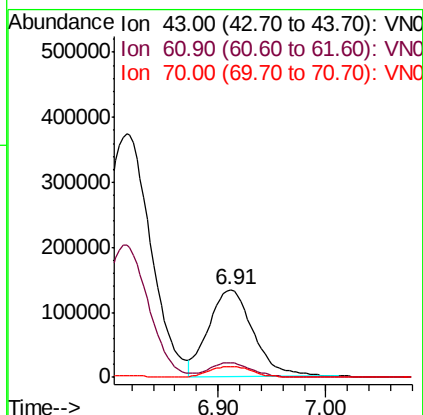
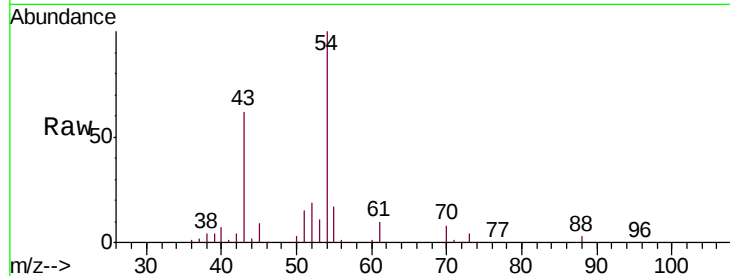




#37
 Ethyl Acetate
 Concen: 44.283 ug/l
 RT: 6.91 min Scan# 1598
 Delta R.T. -0.00 min
 Lab File: VN057385.D
 Acq: 19 Aug 2019 8:50

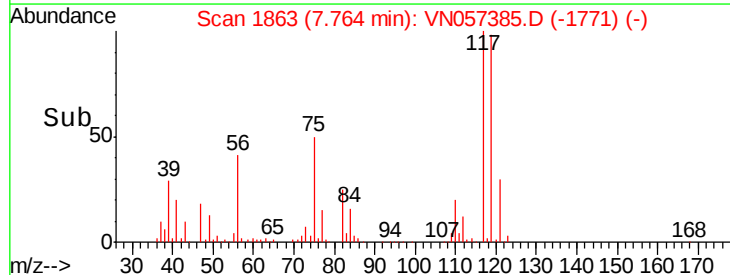
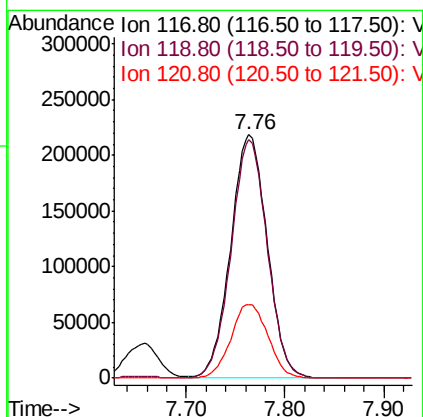
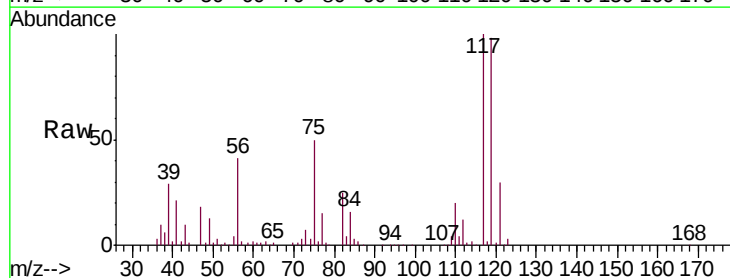
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

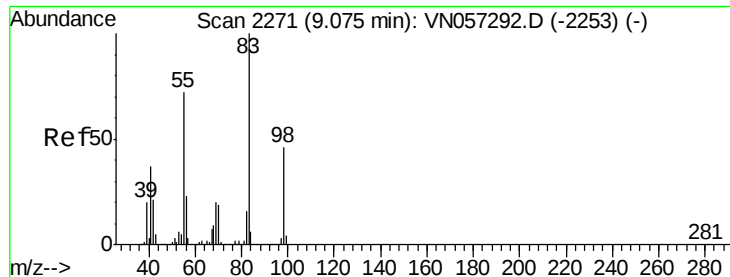
Tgt Ion: 43 Resp: 385716
 Ion Ratio Lower Upper
 43 100
 61 15.7 12.0 18.0
 70 12.4 9.2 13.8



#38
 Carbon Tetrachloride
 Concen: 50.987 ug/l
 RT: 7.76 min Scan# 1863
 Delta R.T. -0.00 min
 Lab File: VN057385.D
 Acq: 19 Aug 2019 8:50

Tgt Ion: 117 Resp: 563382
 Ion Ratio Lower Upper
 117 100
 119 98.0 76.8 115.2
 121 30.4 25.0 37.4

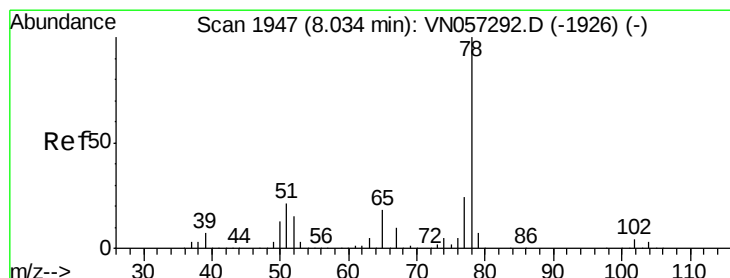
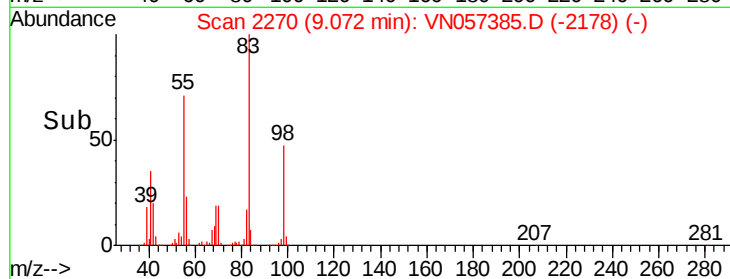
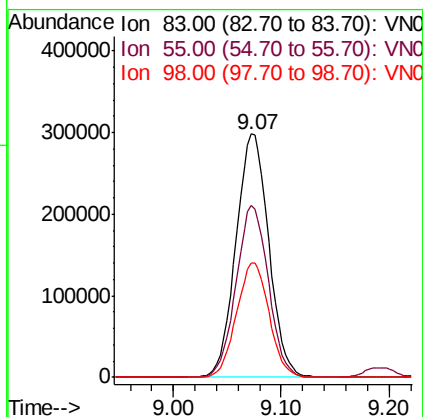
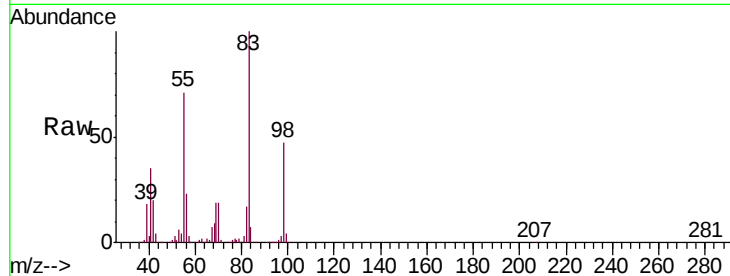




#39
Methylcyclohexane
Concen: 50.669 ug/l
RT: 9.07 min Scan# 2270
Delta R.T. -0.00 min
Lab File: VN057385.D
Acq: 19 Aug 2019 8:50

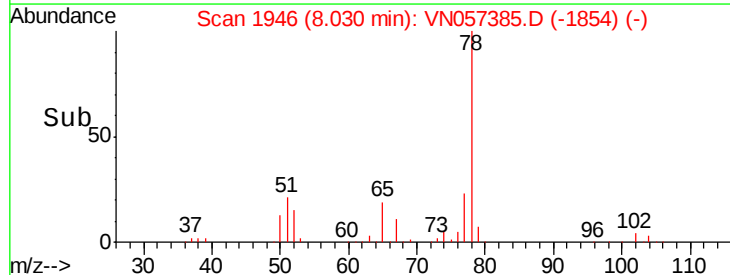
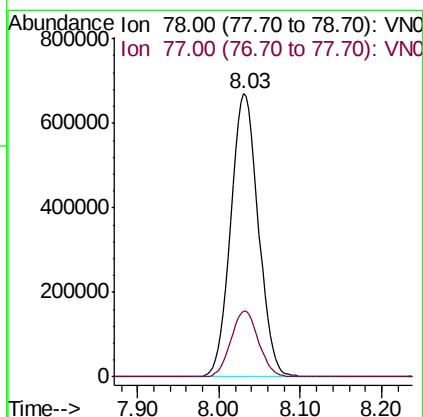
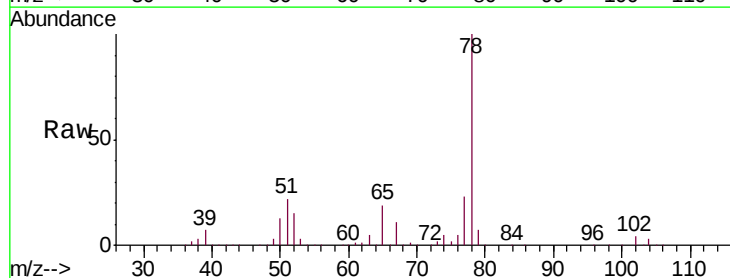
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

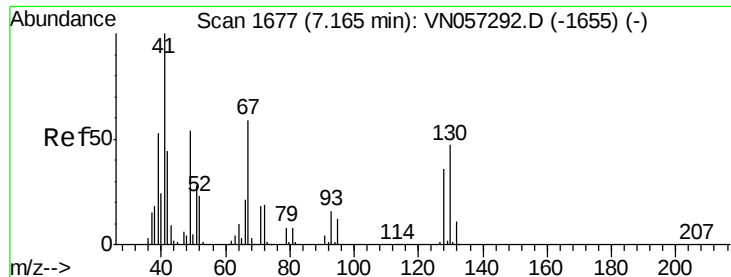
Tgt Ion: 83 Resp: 629196
Ion Ratio Lower Upper
83 100
55 70.6 57.5 86.3
98 46.9 36.6 55.0



#40
Benzene
Concen: 48.756 ug/l
RT: 8.03 min Scan# 1946
Delta R.T. -0.00 min
Lab File: VN057385.D
Acq: 19 Aug 2019 8:50

Tgt Ion: 78 Resp: 1585920
Ion Ratio Lower Upper
78 100
77 23.4 19.1 28.7

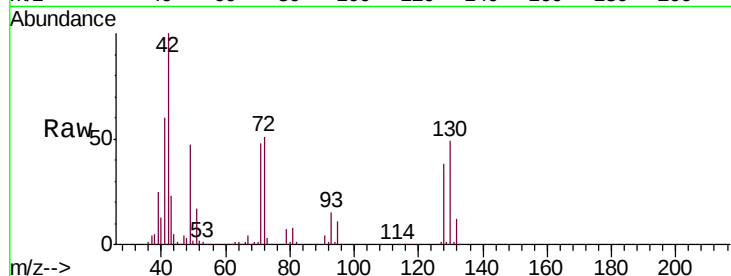




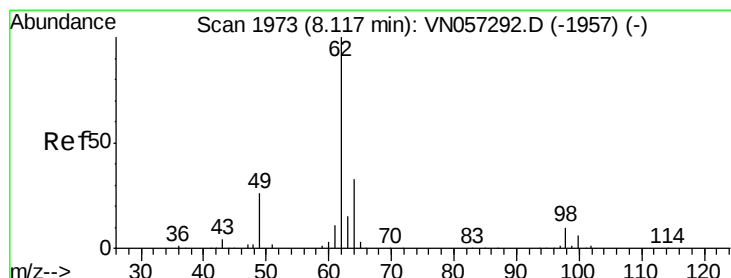
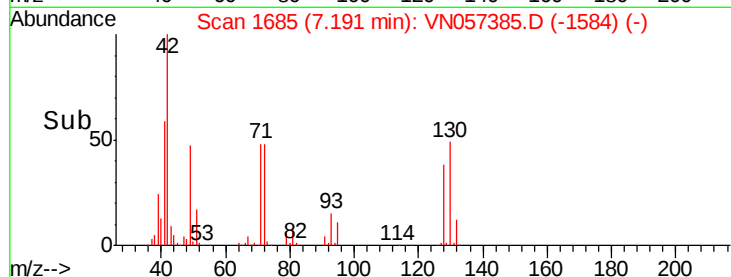
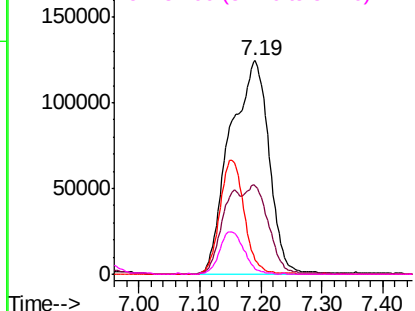
#41
Methacrylonitrile
Concen: 141.360 ug/l
RT: 7.19 min Scan# 1685
Delta R.T. 0.03 min
Lab File: VN057385.D
Acq: 19 Aug 2019 8:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:	41	Resp:	554484
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

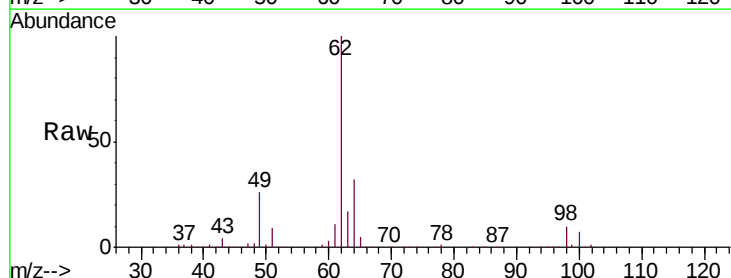


Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 67.00 (66.70 to 67.70): VNO
Ion 52.00 (51.70 to 52.70): VNO

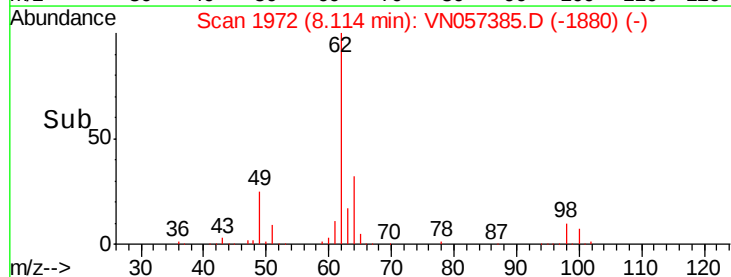
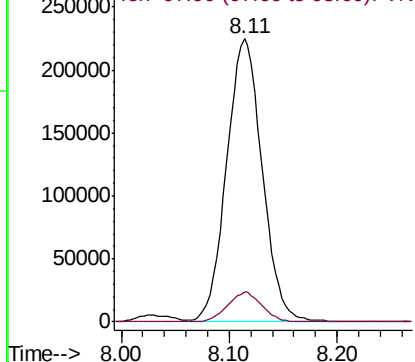


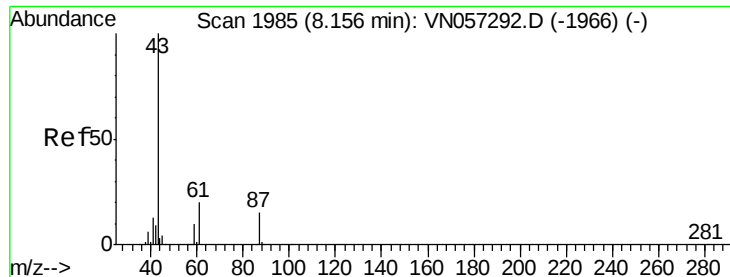
#42
1,2-Dichloroethane
Concen: 47.822 ug/l
RT: 8.11 min Scan# 1972
Delta R.T. -0.00 min
Lab File: VN057385.D
Acq: 19 Aug 2019 8:50

Tgt Ion:	62	Resp:	514832
Ion	Ratio	Lower	Upper
62	100		
98	10.3	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: 44.104 ug/l

RT: 8.15 min Scan# 1983

Delta R.T. -0.01 min

Lab File: VN057385.D

Acq: 19 Aug 2019 8:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

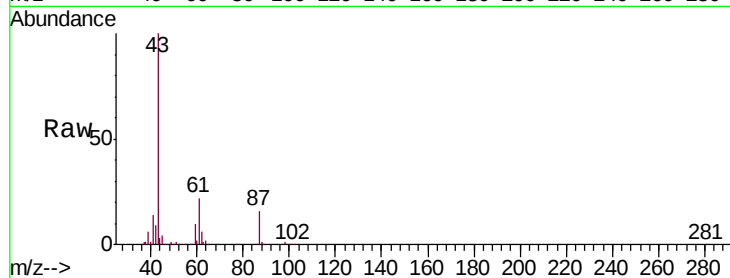
Tgt Ion: 43 Resp: 704654

Ion Ratio Lower Upper

43 100

61 28.4 21.6 32.4

87 14.9 11.4 17.0

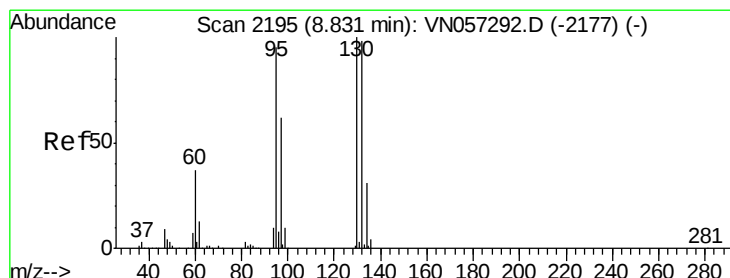
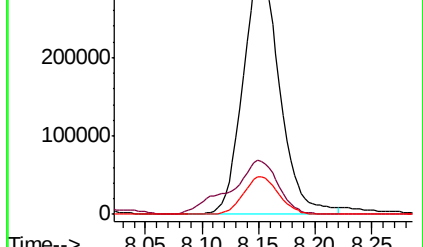
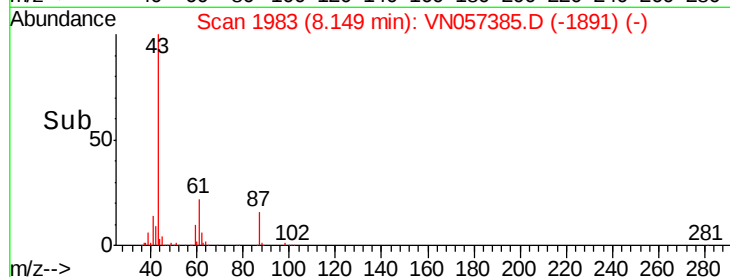


Abundance Ion 43.00 (42.70 to 43.70): VN057292.D (-1966) (-)

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

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

Time-->



#44

Trichloroethene

Concen: 51.041 ug/l

RT: 8.83 min Scan# 2194

Delta R.T. -0.00 min

Lab File: VN057385.D

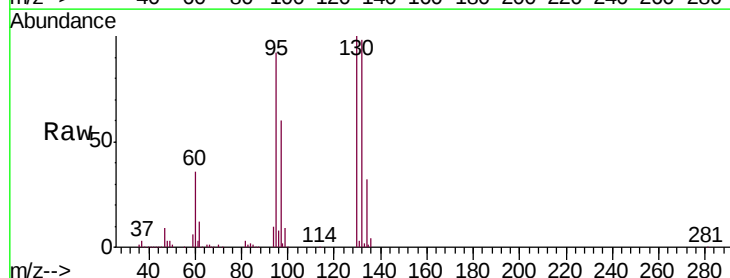
Acq: 19 Aug 2019 8:50

Tgt Ion: 130 Resp: 466765

Ion Ratio Lower Upper

130 100

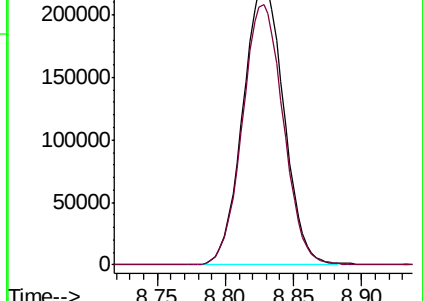
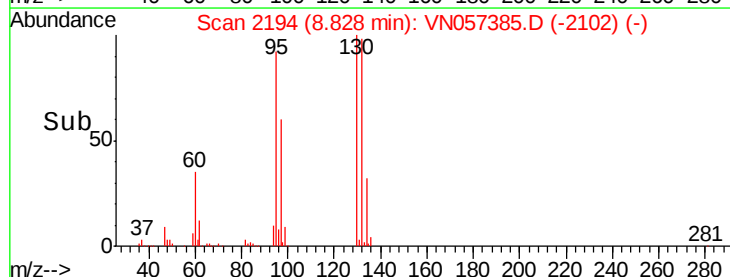
95 91.9 0.0 189.2

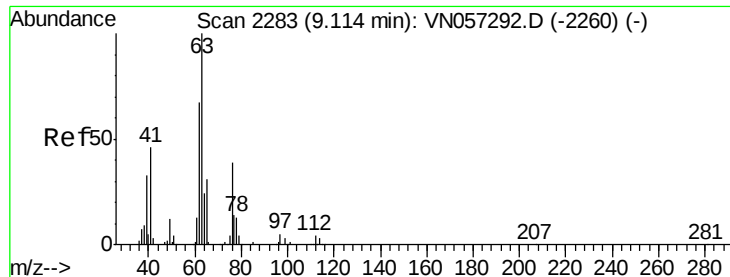


Abundance Ion 129.80 (129.50 to 130.50): VN057292.D (-2177) (-)

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

Time-->

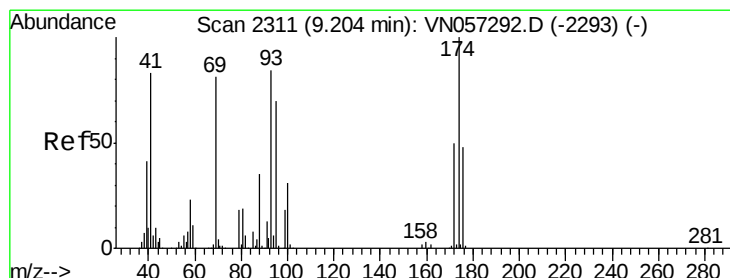
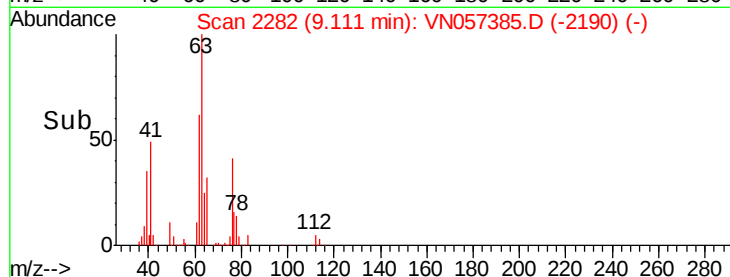
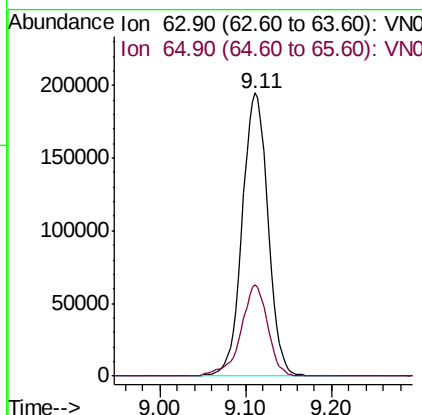
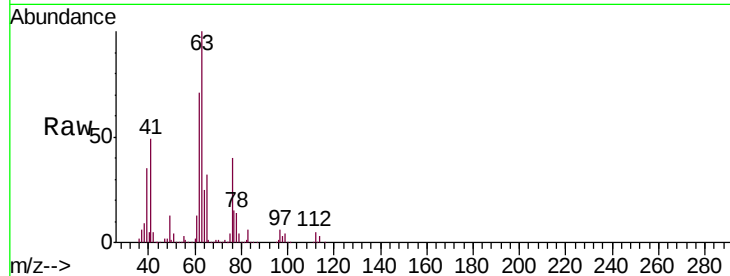




#45
 1,2-Dichloropropane
 Concen: 48.305 ug/l
 RT: 9.11 min Scan# 2282
 Delta R.T. -0.00 min
 Lab File: VN057385.D
 Acq: 19 Aug 2019 8:50

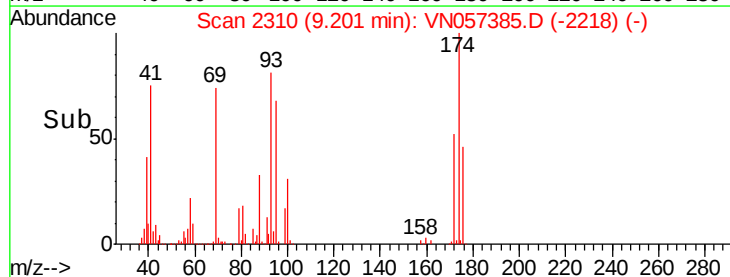
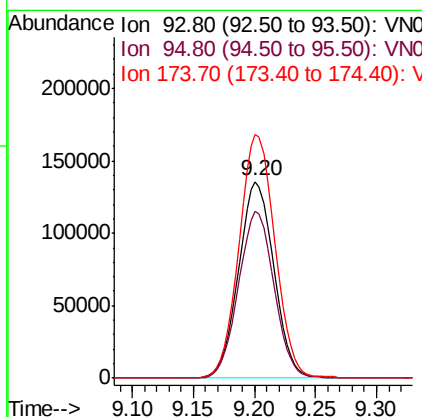
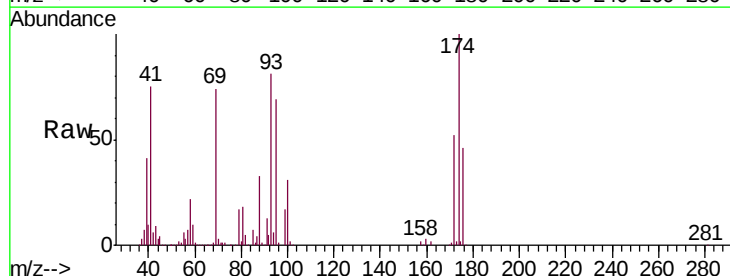
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

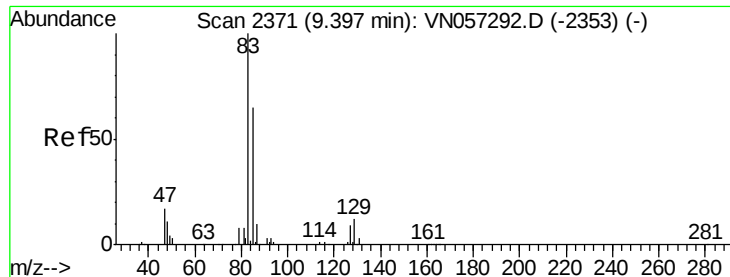
Tgt Ion: 63 Resp: 405002
 Ion Ratio Lower Upper
 63 100
 65 32.3 24.8 37.2



#46
 Dibromomethane
 Concen: 48.468 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. -0.00 min
 Lab File: VN057385.D
 Acq: 19 Aug 2019 8:50

Tgt Ion: 93 Resp: 271099
 Ion Ratio Lower Upper
 93 100
 95 85.3 66.5 99.7
 174 126.2 95.7 143.5





#47

Bromodichloromethane

Concen: 50.836 ug/l

RT: 9.40 min Scan# 2371

Delta R.T. 0.00 min

Lab File: VN057385.D

Acq: 19 Aug 2019 8:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

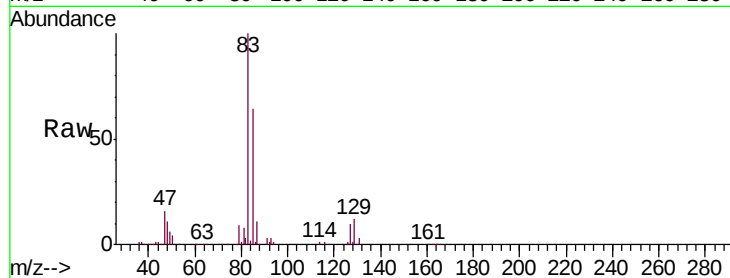
Tgt Ion: 83 Resp: 563375

Ion Ratio Lower Upper

83 100

85 64.2 51.9 77.9

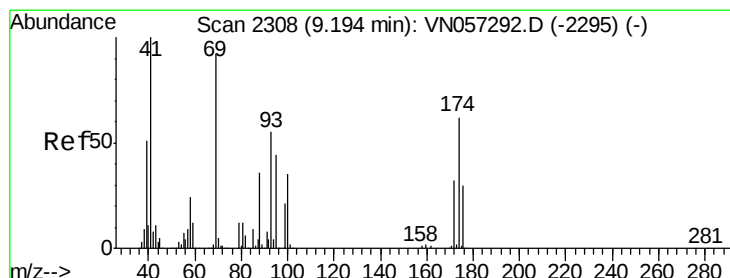
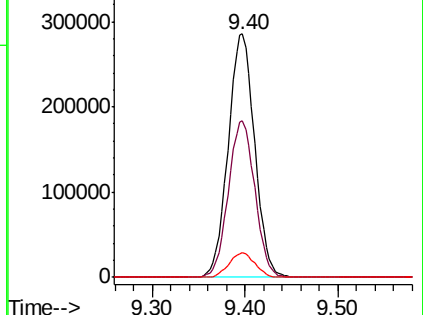
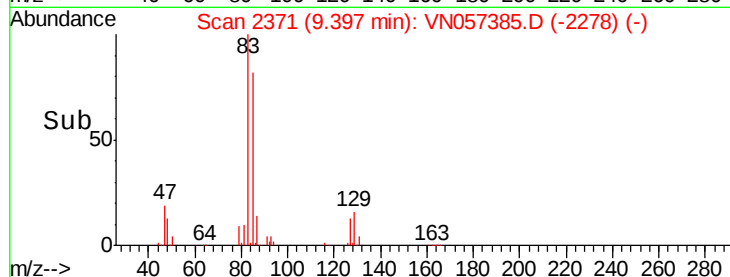
127 10.0 7.2 10.8



Abundance Ion 82.90 (82.60 to 83.60): VN057385.D (-2278) (-)

Ion 84.90 (84.60 to 85.60): VN057385.D (-2278) (-)

Ion 126.80 (126.50 to 127.50): VN057385.D (-2278) (-)



#48

Methyl methacrylate

Concen: 43.911 ug/l

RT: 9.19 min Scan# 2307

Delta R.T. -0.00 min

Lab File: VN057385.D

Acq: 19 Aug 2019 8:50

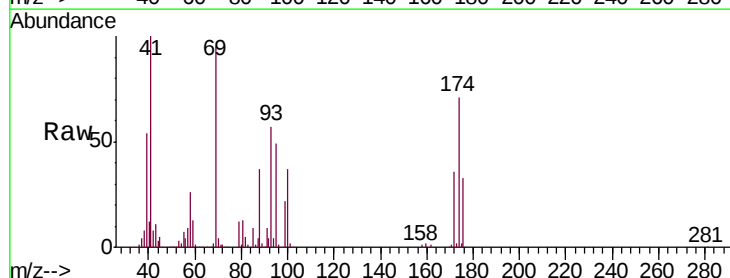
Tgt Ion: 41 Resp: 314962

Ion Ratio Lower Upper

41 100

69 98.3 75.9 113.9

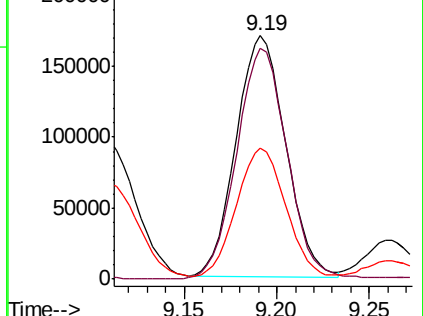
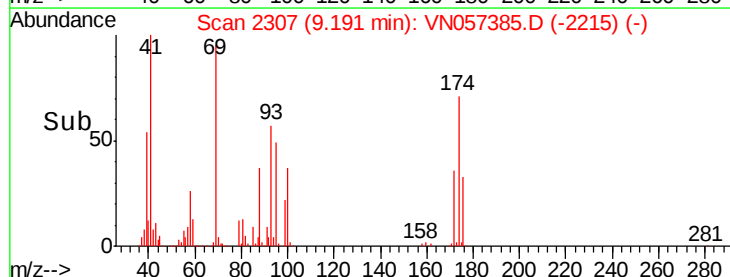
39 54.6 42.3 63.5

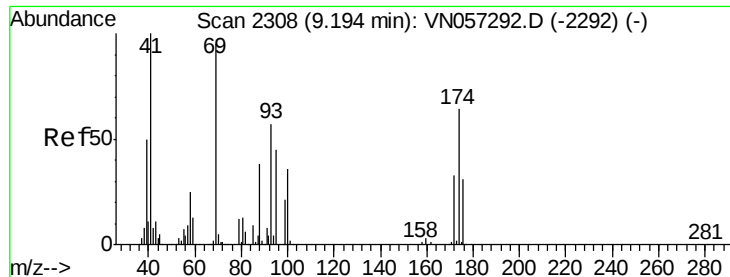


Abundance Ion 41.00 (40.70 to 41.70): VN057385.D (-2215) (-)

Ion 69.00 (68.70 to 69.70): VN057385.D (-2215) (-)

Ion 39.00 (38.70 to 39.70): VN057385.D (-2215) (-)

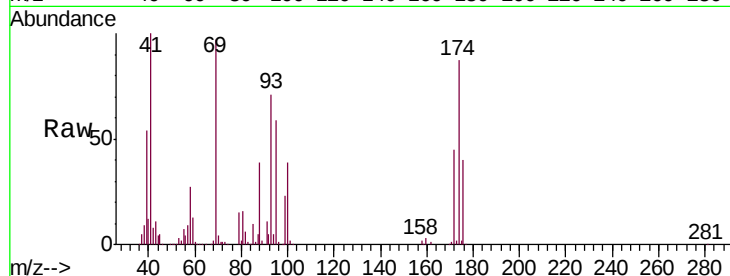




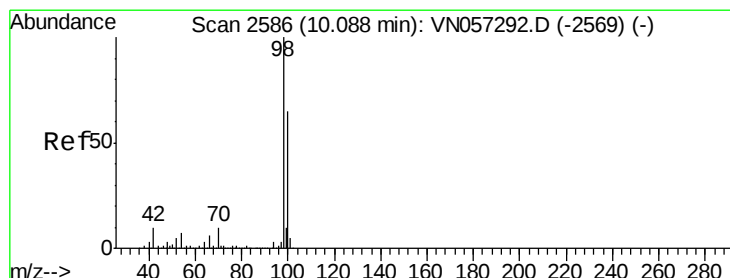
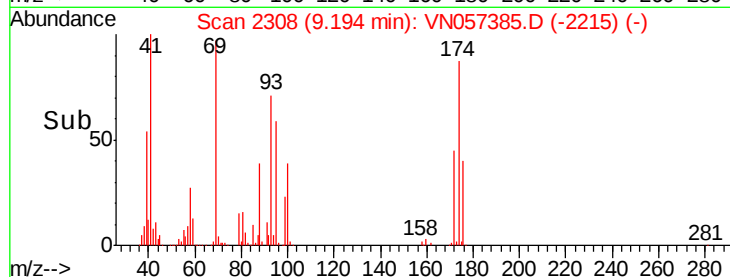
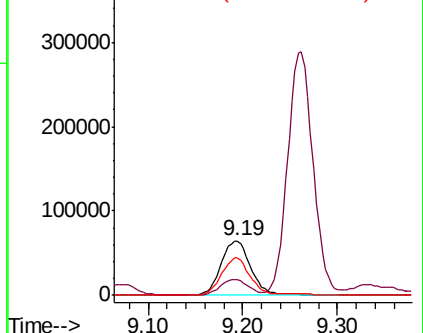
#49
 1,4-Dioxane
 Concen: 944.384 ug/l
 RT: 9.19 min Scan# 2308
 Delta R.T. 0.00 min
 Lab File: VN057385.D
 Acq: 19 Aug 2019 8:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 88 Resp: 142449
 Ion Ratio Lower Upper
 88 100
 43 26.9 22.9 34.3
 58 65.5 52.7 79.1

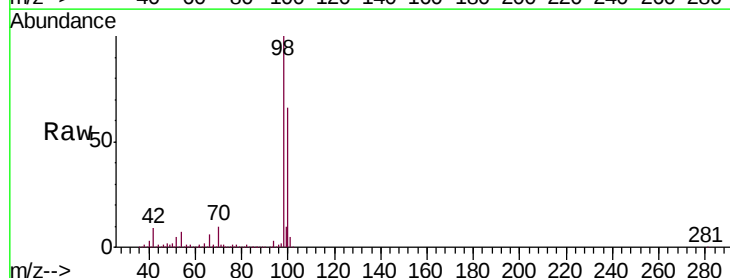


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

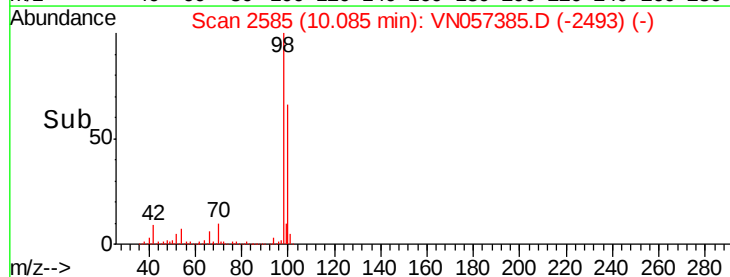
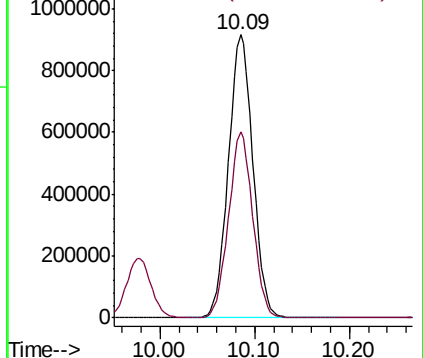


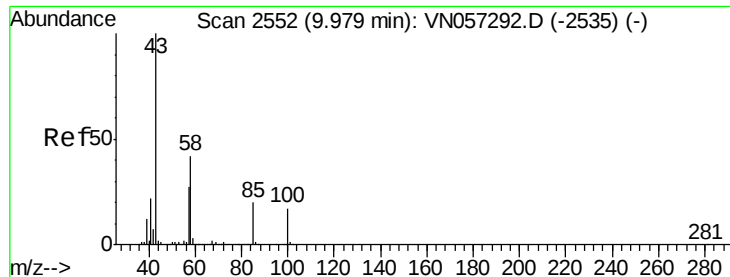
#50
 Toluene-d8
 Concen: 56.961 ug/l
 RT: 10.09 min Scan# 2585
 Delta R.T. -0.00 min
 Lab File: VN057385.D
 Acq: 19 Aug 2019 8:50

Tgt Ion: 98 Resp: 1644921
 Ion Ratio Lower Upper
 98 100
 100 64.9 51.9 77.9



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

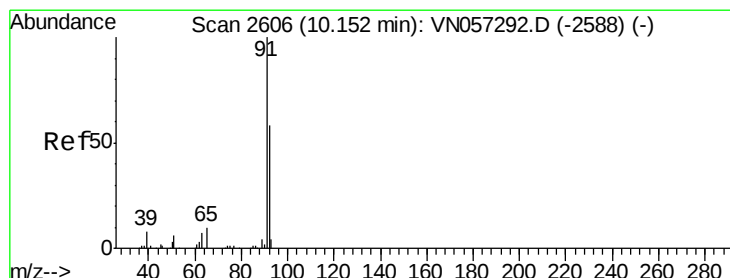
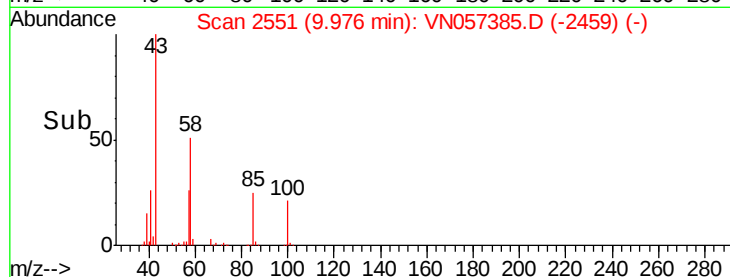
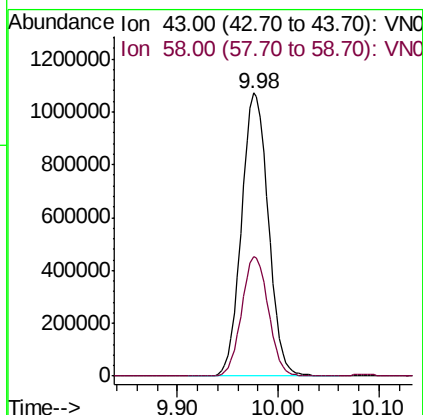
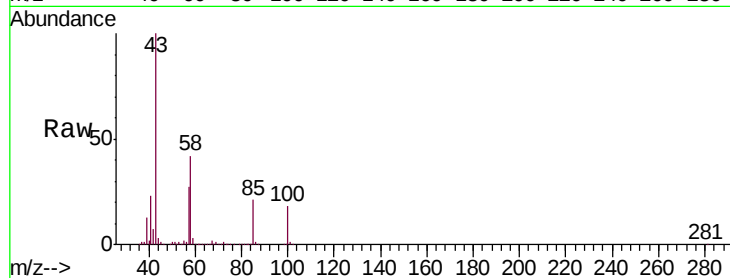




#51
 4-Methyl-2-Pentanone
 Concen: 218.884 ug/l
 RT: 9.98 min Scan# 2551
 Delta R.T. -0.00 min
 Lab File: VN057385.D
 Acq: 19 Aug 2019 8:50

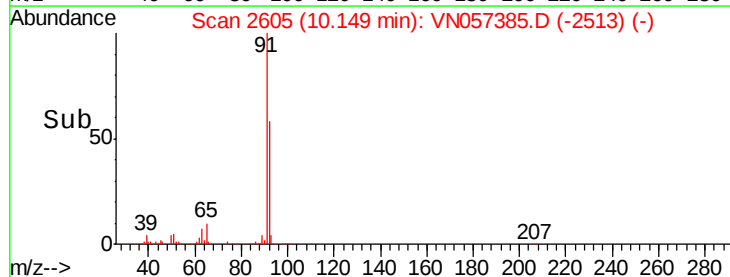
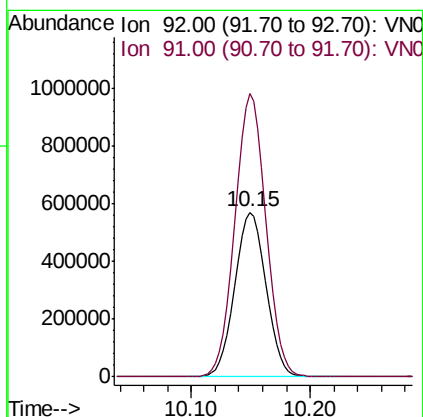
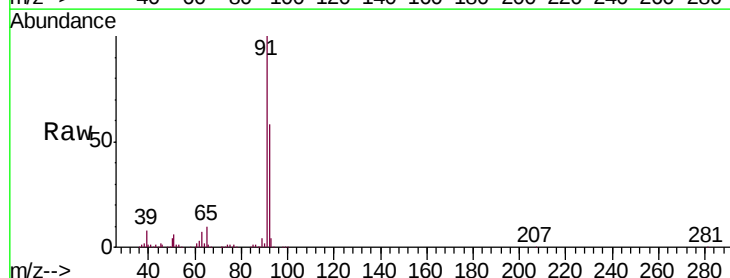
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

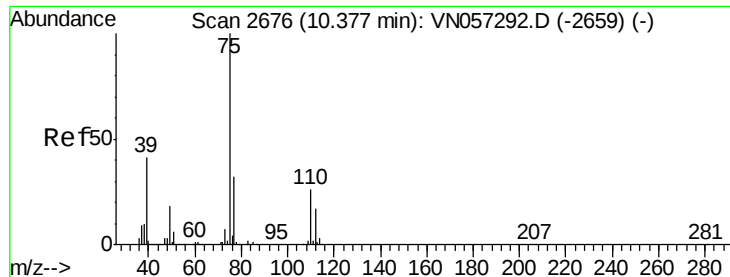
Tgt Ion: 43 Resp: 1966865
 Ion Ratio Lower Upper
 43 100
 58 42.1 33.2 49.8



#52
 Toluene
 Concen: 51.454 ug/l
 RT: 10.15 min Scan# 2605
 Delta R.T. -0.00 min
 Lab File: VN057385.D
 Acq: 19 Aug 2019 8:50

Tgt Ion: 92 Resp: 1041742
 Ion Ratio Lower Upper
 92 100
 91 170.3 138.9 208.3





#53

t-1,3-Dichloropropene

Concen: 50.766 ug/l

RT: 10.38 min Scan# 2676

Delta R.T. 0.00 min

Lab File: VN057385.D

Acq: 19 Aug 2019 8:50

Instrument :

MSVOA_N

ClientSampleId :

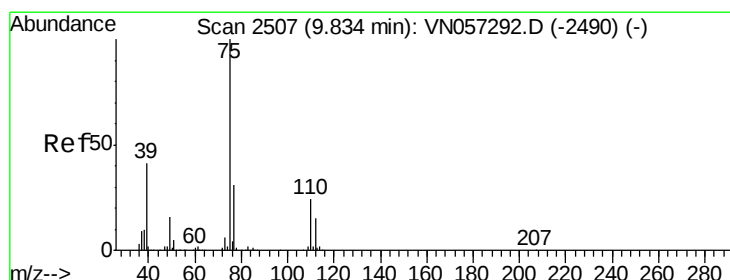
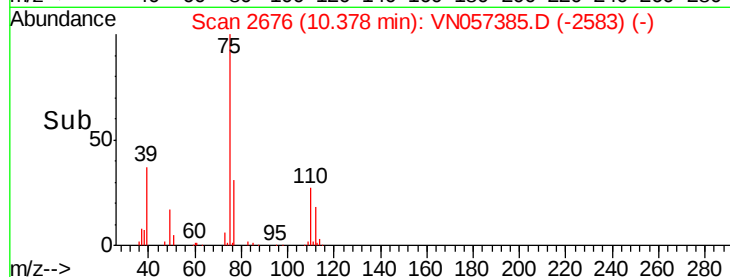
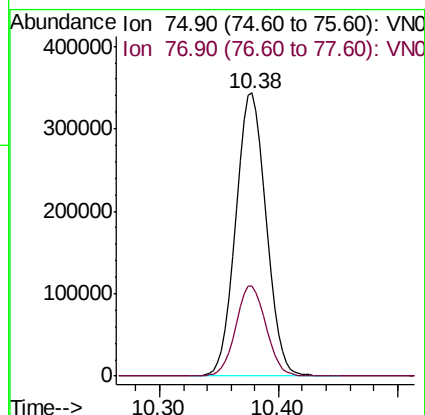
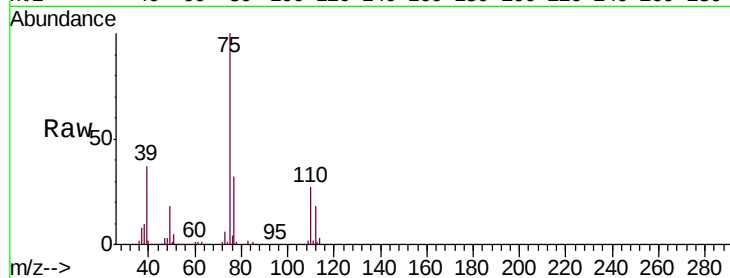
VSTDCCC050

Tgt Ion: 75 Resp: 608549

Ion Ratio Lower Upper

75 100

77 31.7 25.5 38.3



#54

cis-1,3-Dichloropropene

Concen: 50.658 ug/l

RT: 9.83 min Scan# 2507

Delta R.T. 0.00 min

Lab File: VN057385.D

Acq: 19 Aug 2019 8:50

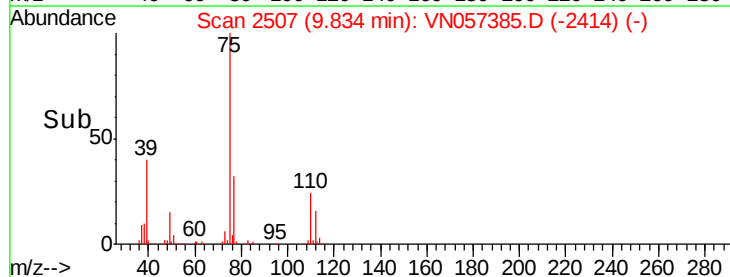
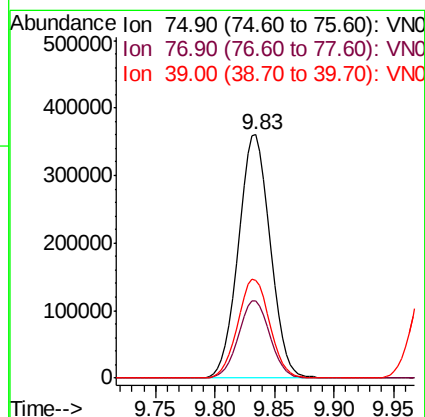
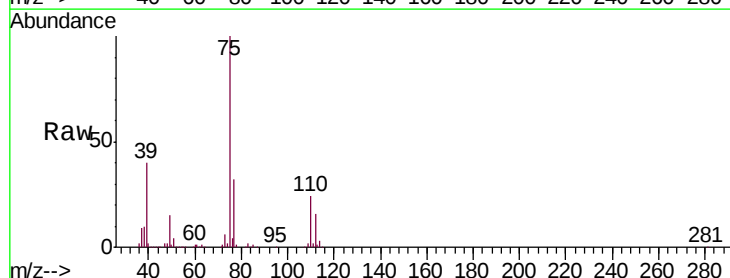
Tgt Ion: 75 Resp: 669625

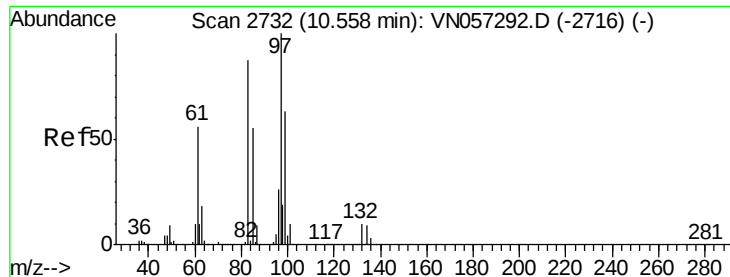
Ion Ratio Lower Upper

75 100

77 31.9 24.9 37.3

39 40.3 32.7 49.1

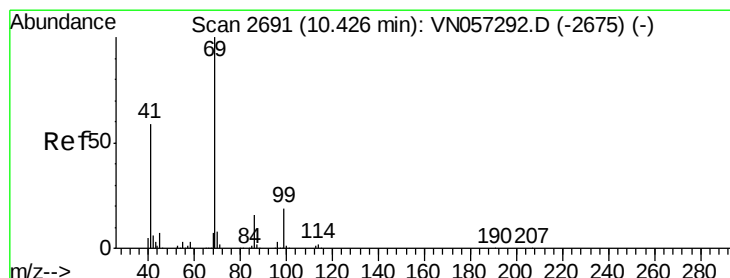
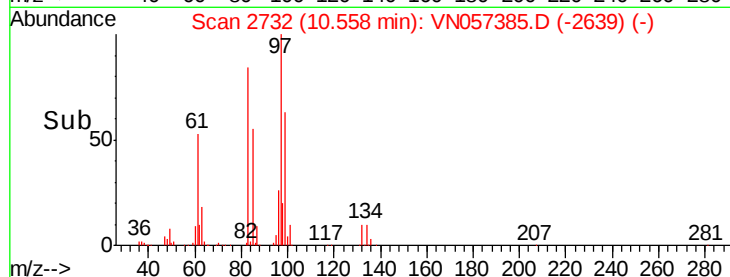
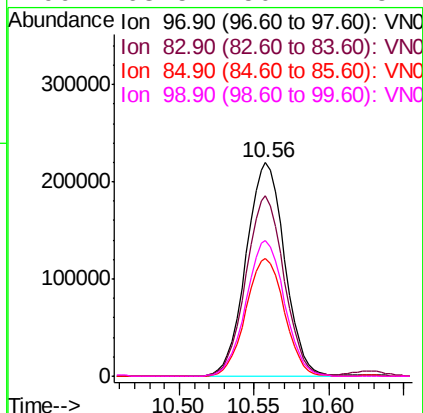
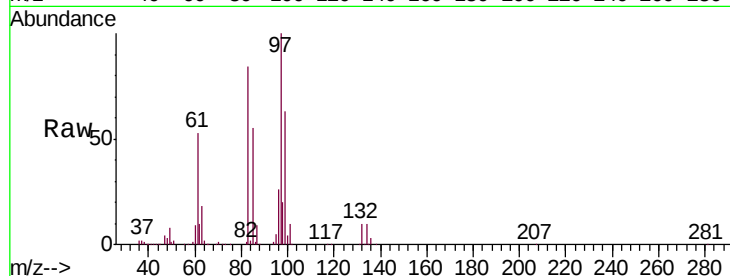




#55
 1,1,2-Trichloroethane
 Concen: 49.481 ug/l
 RT: 10.56 min Scan# 2732
 Delta R.T. 0.00 min
 Lab File: VN057385.D
 Acq: 19 Aug 2019 8:50

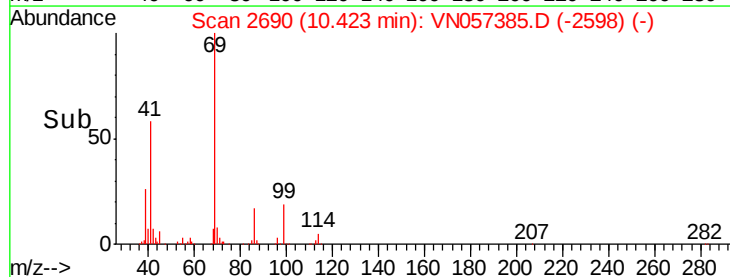
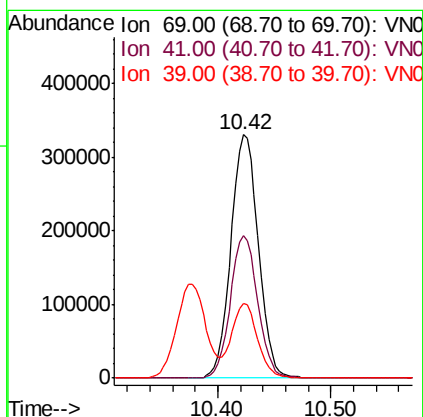
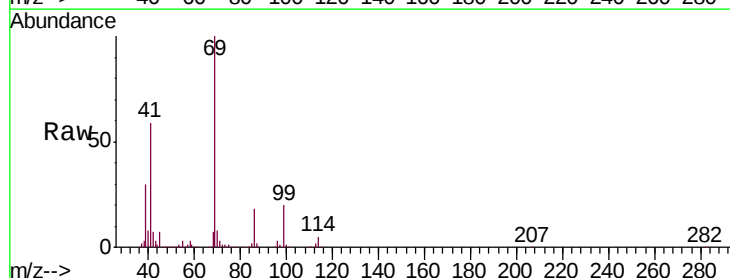
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

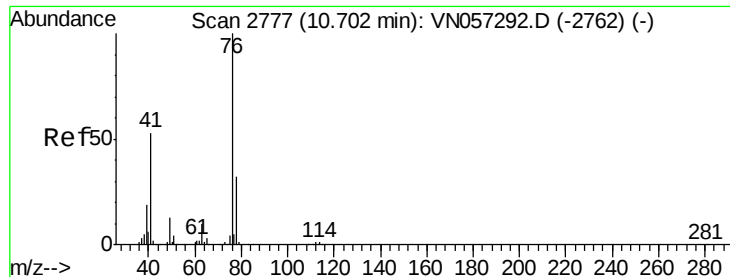
Tgt Ion:	97	Resp:	393927
Ion	Ratio	Lower	Upper
97	100		
83	84.3	69.8	104.8
85	55.1	44.1	66.1
99	63.5	50.2	75.2



#56
 Ethyl methacrylate
 Concen: 48.221 ug/l
 RT: 10.42 min Scan# 2690
 Delta R.T. -0.00 min
 Lab File: VN057385.D
 Acq: 19 Aug 2019 8:50

Tgt Ion:	69	Resp:	560228
Ion	Ratio	Lower	Upper
69	100		
41	58.0	48.2	72.2
39	28.6	23.4	35.0





#57

1,3-Dichloropropane

Concen: 48.797 ug/l

RT: 10.70 min Scan# 2777

Delta R.T. 0.00 min

Lab File: VN057385.D

Acq: 19 Aug 2019 8:50

Instrument :

MSVOA_N

ClientSampleId :

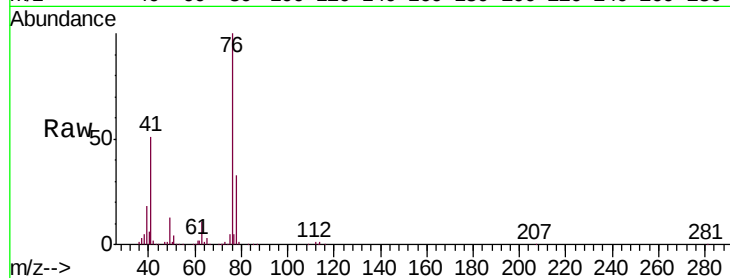
VSTDCCC050

Tgt Ion: 76 Resp: 648970

Ion Ratio Lower Upper

76 100

78 32.4 25.6 38.4



Abundance Ion 75.90 (75.60 to 76.60): VN057292.D (-2762) (-)

Ion 77.90 (77.60 to 78.60): VN057292.D (-2762) (-)

10.70

400000

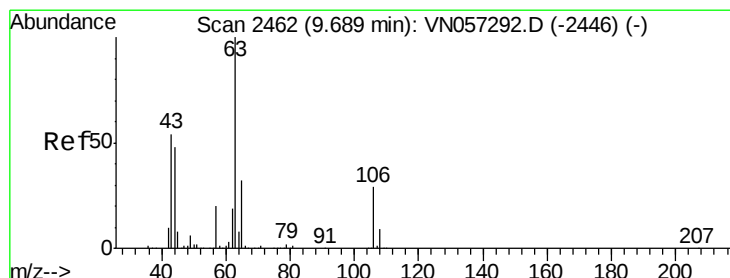
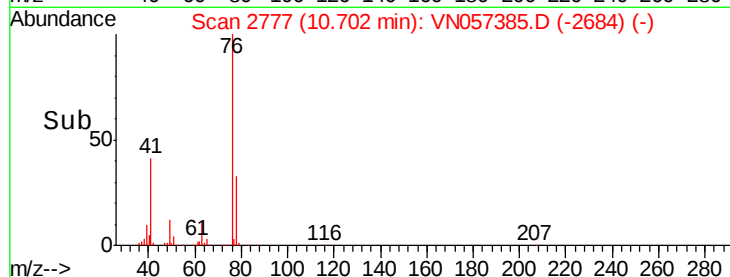
300000

200000

100000

0

Time--> 10.60 10.70 10.80



#58

2-Chloroethyl Vinyl ether

Concen: 205.031 ug/l

RT: 9.69 min Scan# 2462

Delta R.T. 0.00 min

Lab File: VN057385.D

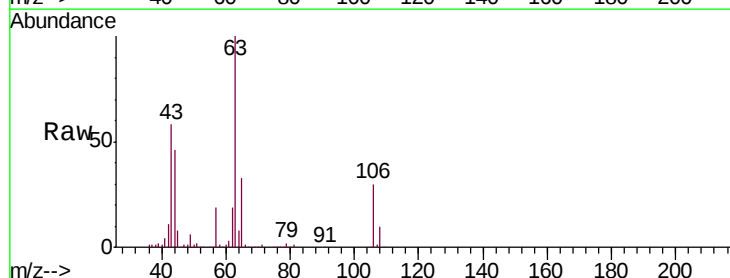
Acq: 19 Aug 2019 8:50

Tgt Ion: 63 Resp: 694951

Ion Ratio Lower Upper

63 100

106 30.0 23.2 34.8



Abundance Ion 62.90 (62.60 to 63.60): VN057292.D (-2446) (-)

Ion 105.90 (105.60 to 106.60): VN057292.D (-2446) (-)

9.69

400000

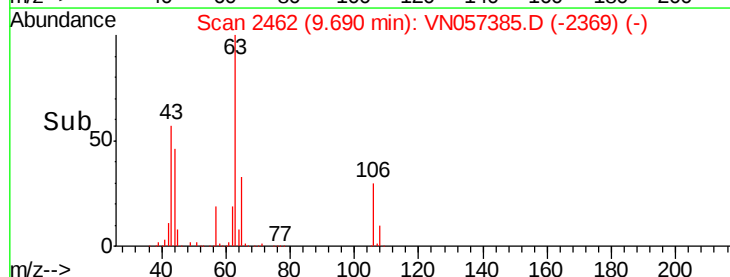
300000

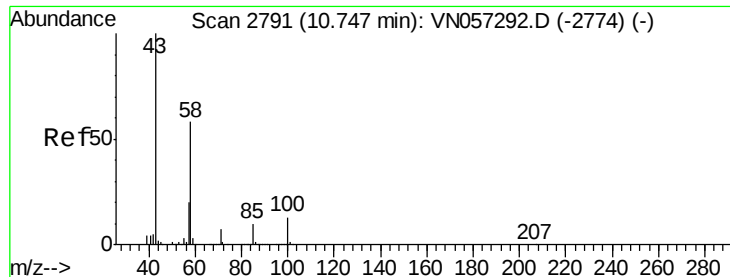
200000

100000

0

Time--> 9.60 9.70 9.80

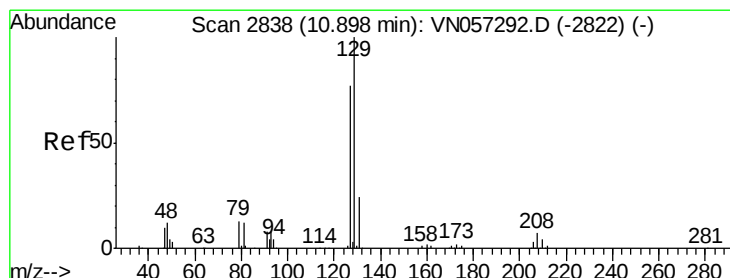
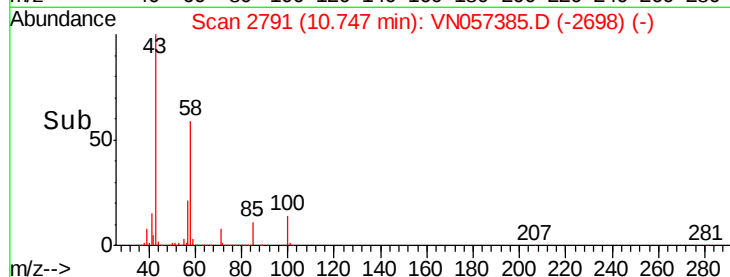
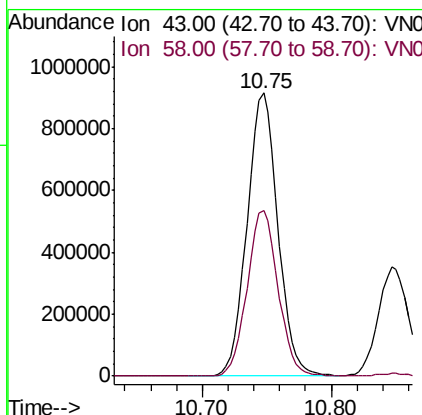
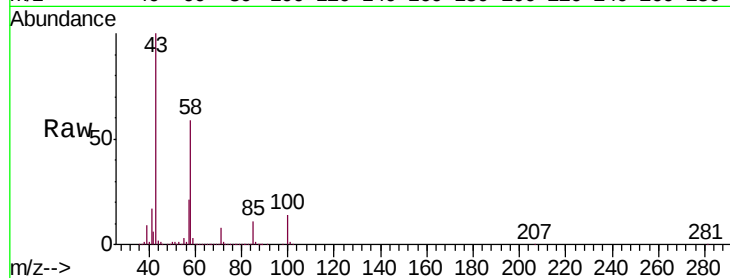




#59
2-Hexanone
Concen: 235.745 ug/l
RT: 10.75 min Scan# 2791
Delta R.T. 0.00 min
Lab File: VN057385.D
Acq: 19 Aug 2019 8:50

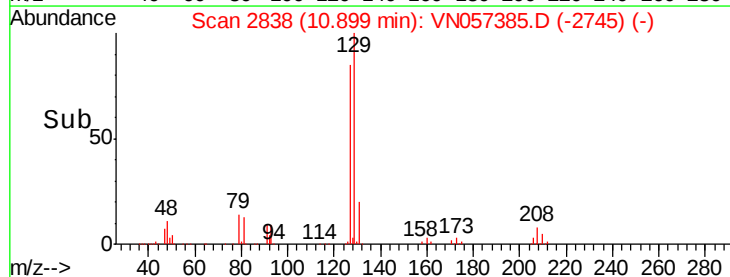
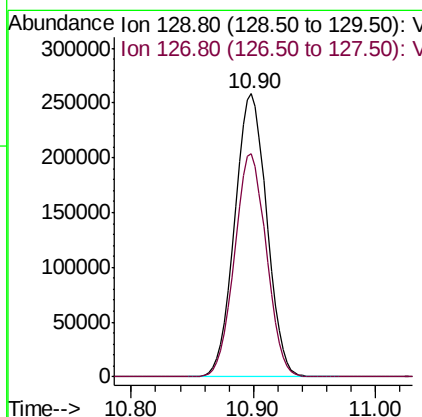
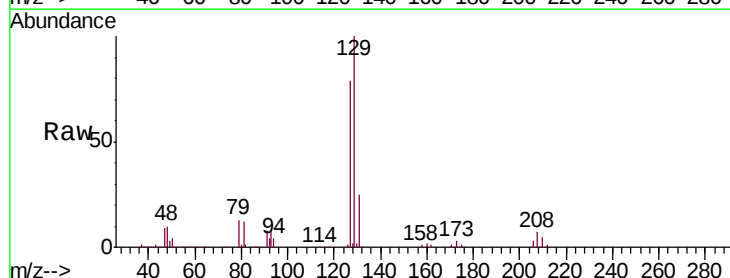
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

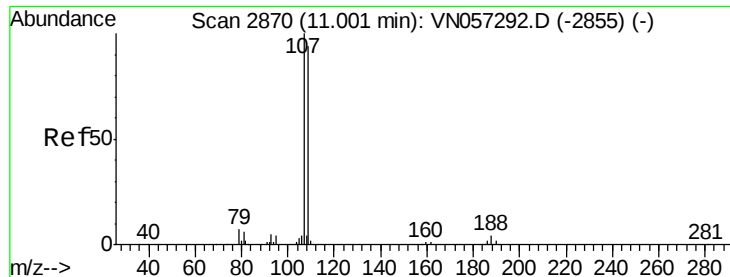
Tgt Ion: 43 Resp: 1522954
Ion Ratio Lower Upper
43 100
58 58.8 28.6 85.9



#60
Dibromochloromethane
Concen: 52.667 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. 0.00 min
Lab File: VN057385.D
Acq: 19 Aug 2019 8:50

Tgt Ion: 129 Resp: 469870
Ion Ratio Lower Upper
129 100
127 78.3 39.0 116.9





#61

1,2-Dibromoethane

Concen: 49.468 ug/l

RT: 11.00 min Scan# 2870

Delta R.T. 0.00 min

Lab File: VN057385.D

Acq: 19 Aug 2019 8:50

Instrument :

MSVOA_N

ClientSampleId :

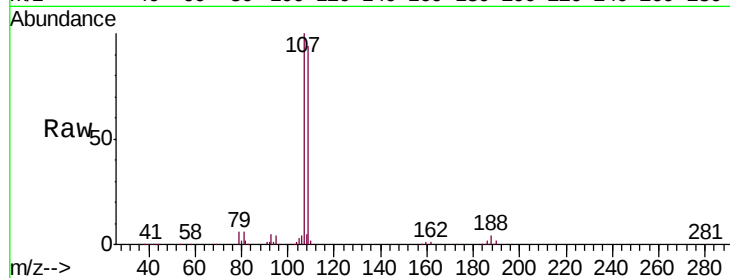
VSTDCCC050

Tgt Ion: 107 Resp: 419517

Ion Ratio Lower Upper

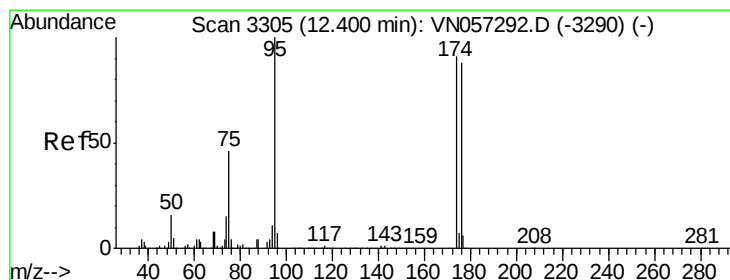
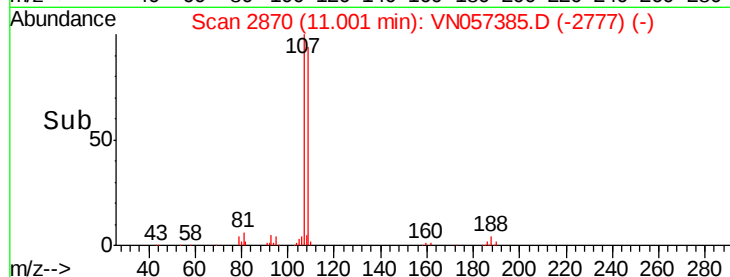
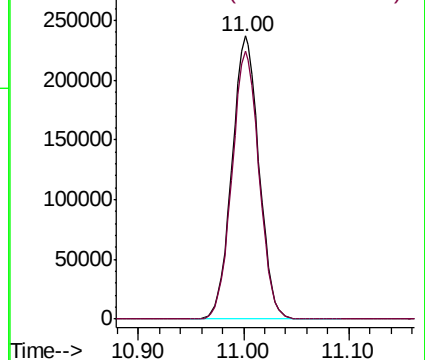
107 100

109 94.6 75.7 113.5



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 55.805 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN057385.D

Acq: 19 Aug 2019 8:50

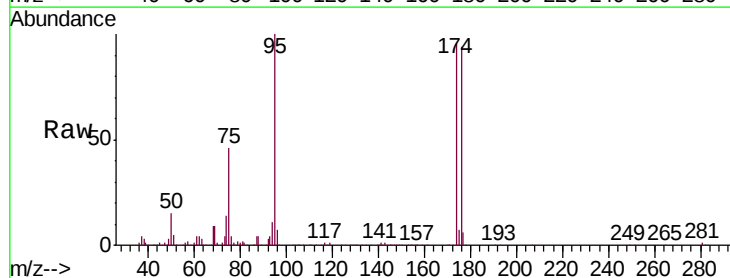
Tgt Ion: 95 Resp: 569507

Ion Ratio Lower Upper

95 100

174 96.4 0.0 185.0

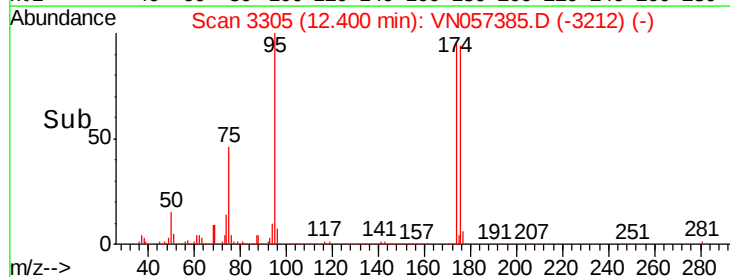
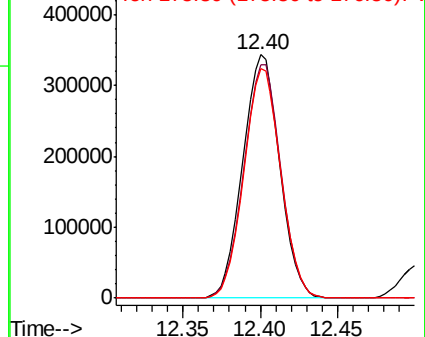
176 94.3 0.0 181.0

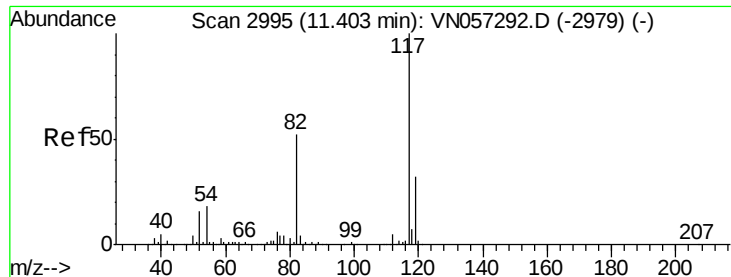


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

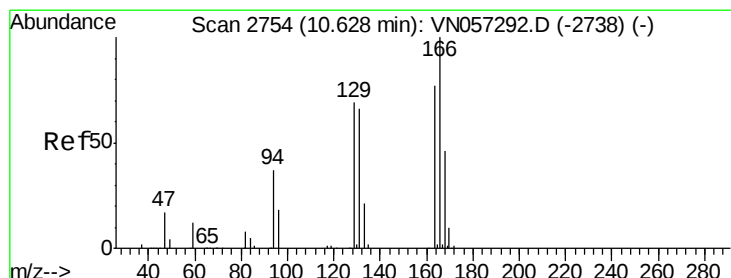
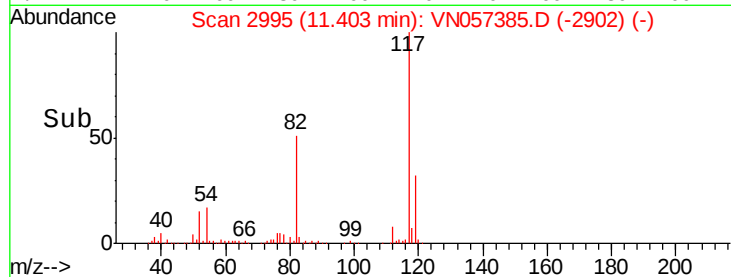
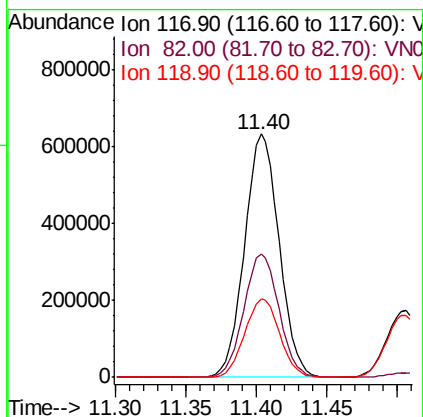
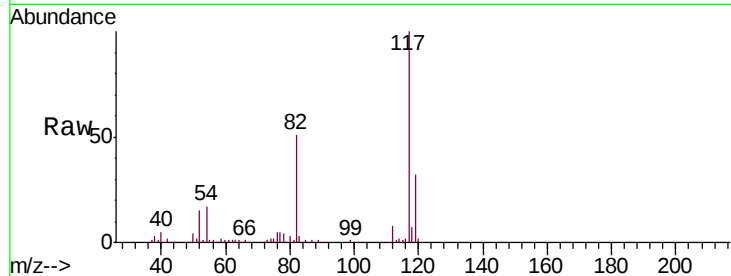




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. 0.00 min
Lab File: VN057385.D
Acq: 19 Aug 2019 8:50

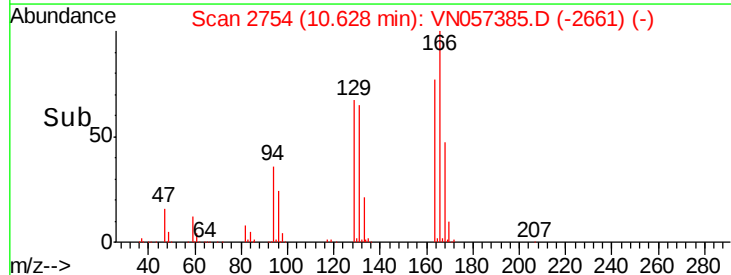
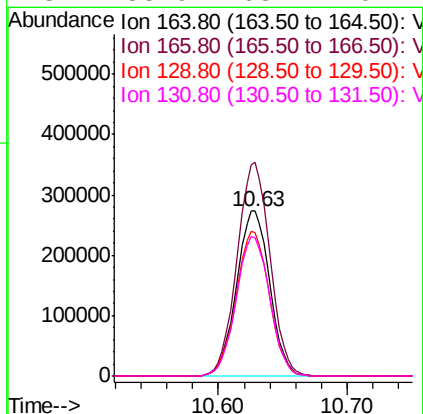
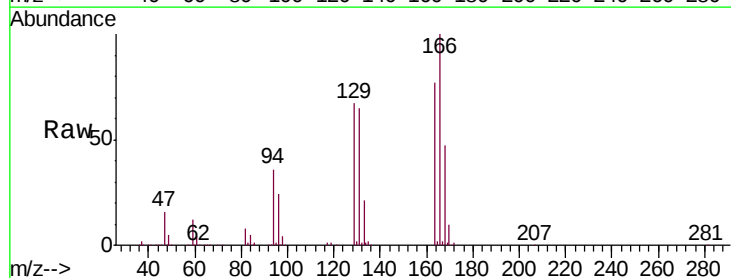
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

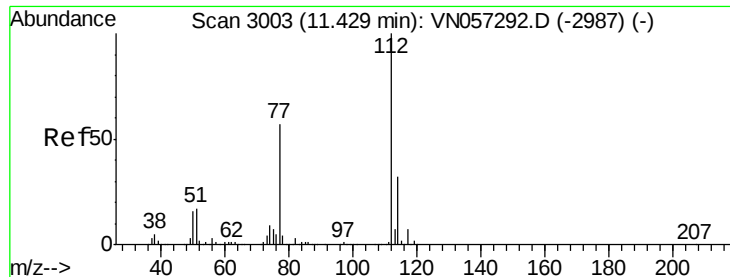
Tgt Ion:117 Resp: 1086438
Ion Ratio Lower Upper
117 100
82 50.9 41.2 61.8
119 32.0 25.8 38.8



#64
Tetrachloroethene
Concen: 52.026 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN057385.D
Acq: 19 Aug 2019 8:50

Tgt Ion:164 Resp: 488627
Ion Ratio Lower Upper
164 100
166 129.5 103.5 155.3
129 87.2 71.2 106.8
131 83.9 68.2 102.4

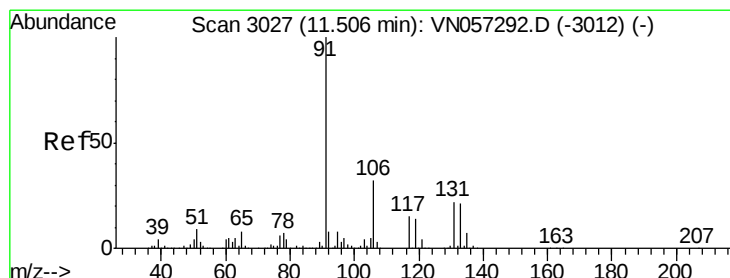
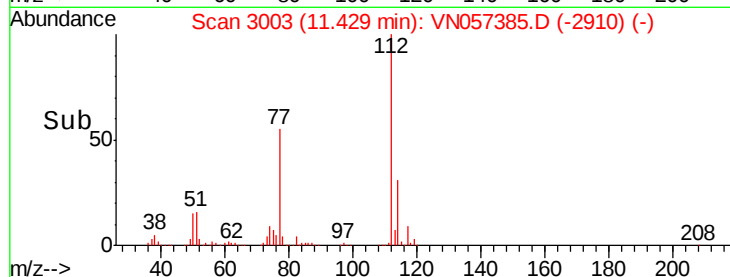
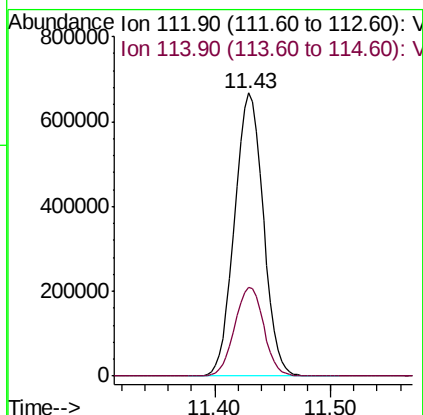
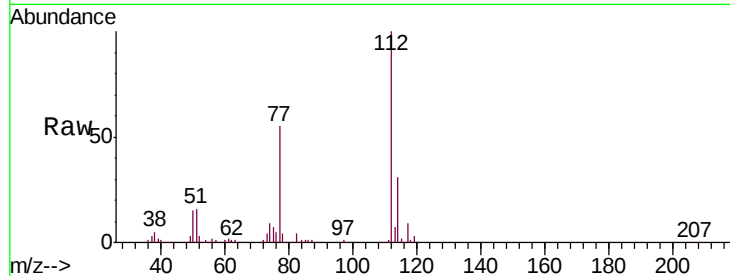




#65
Chlorobenzene
Concen: 51.724 ug/l
RT: 11.43 min Scan# 3003
Delta R.T. 0.00 min
Lab File: VN057385.D
Acq: 19 Aug 2019 8:50

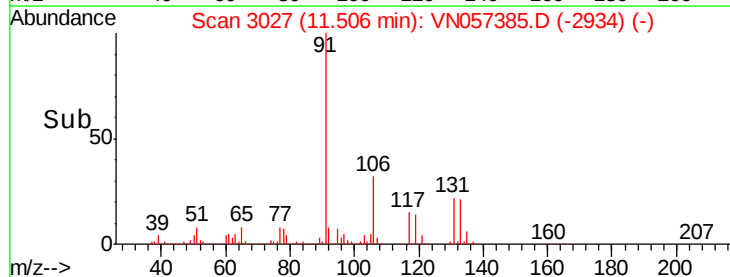
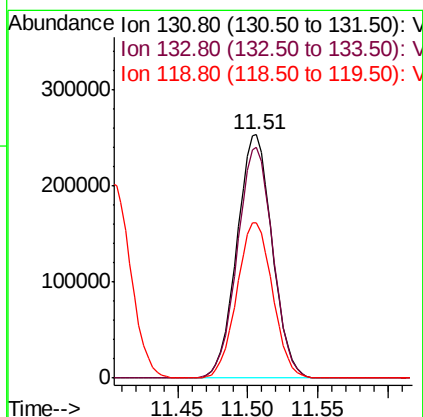
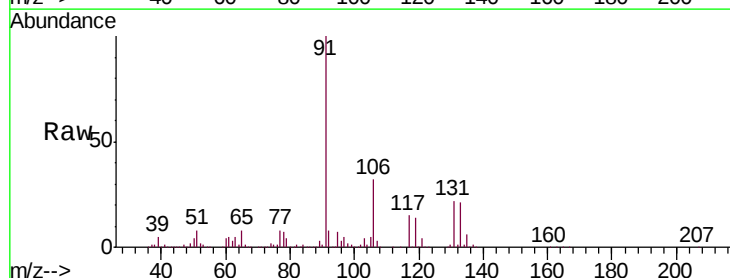
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

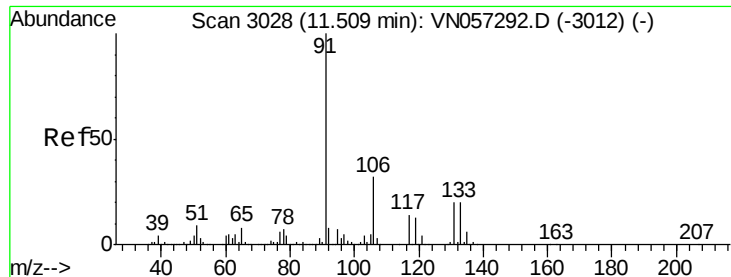
Tgt Ion:112 Resp: 1146130
Ion Ratio Lower Upper
112 100
114 31.3 25.7 38.5



#66
1,1,1,2-Tetrachloroethane
Concen: 52.343 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. 0.00 min
Lab File: VN057385.D
Acq: 19 Aug 2019 8:50

Tgt Ion:131 Resp: 444187
Ion Ratio Lower Upper
131 100
133 95.3 47.6 142.8
119 64.5 32.0 96.2





#67

Ethyl Benzene

Concen: 51.371 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN057385.D

Acq: 19 Aug 2019 8:50

Instrument :

MSVOA_N

ClientSampleId :

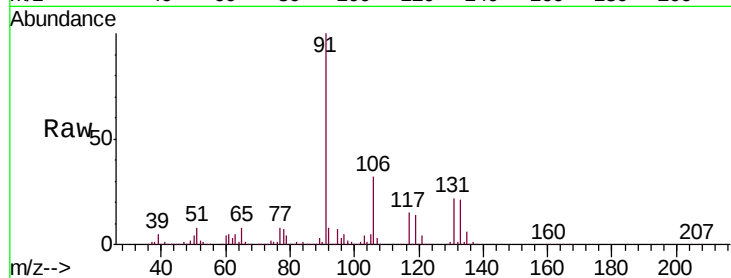
VSTDCCC050

Tgt Ion: 91 Resp: 1991502

Ion Ratio Lower Upper

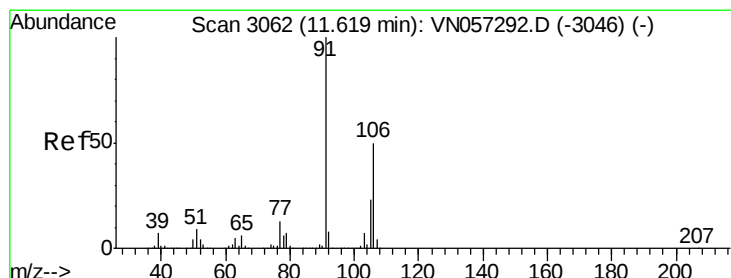
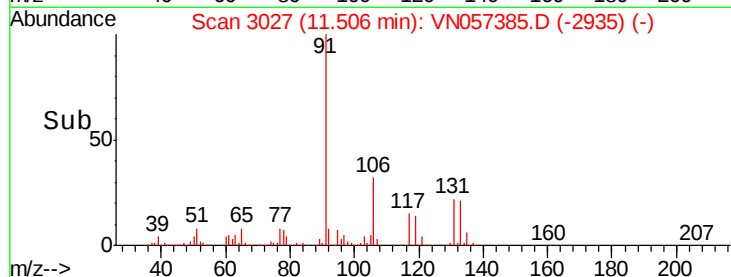
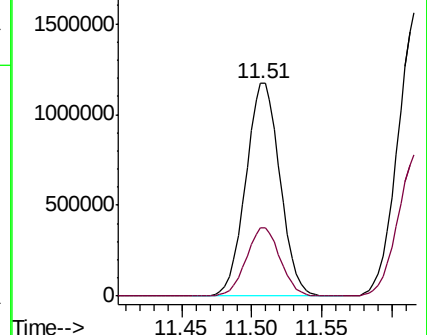
91 100

106 31.9 25.5 38.3



Abundance Ion 91.00 (90.70 to 91.70): VN057292.D (-3012) (-)

Ion 106.00 (105.70 to 106.70): VN057292.D (-3012) (-)



#68

m/p-Xylenes

Concen: 107.853 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. 0.00 min

Lab File: VN057385.D

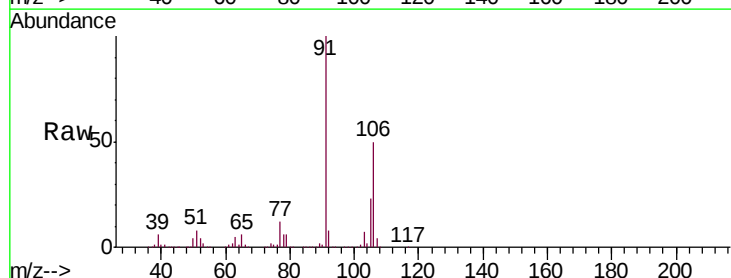
Acq: 19 Aug 2019 8:50

Tgt Ion: 106 Resp: 1540497

Ion Ratio Lower Upper

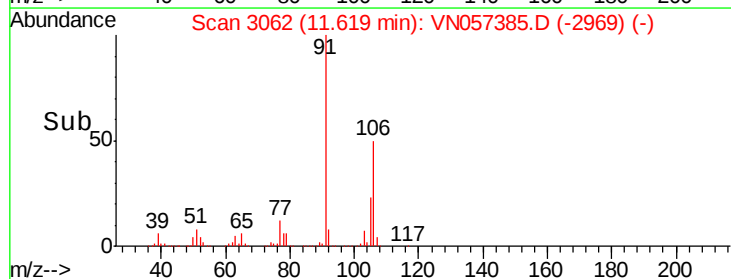
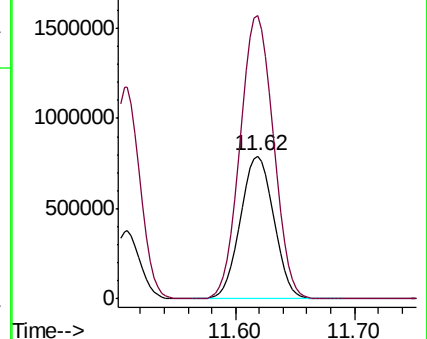
106 100

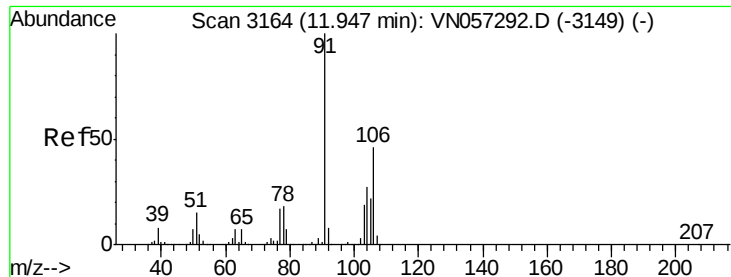
91 198.1 161.5 242.3



Abundance Ion 106.00 (105.70 to 106.70): VN057292.D (-3046) (-)

Ion 91.00 (90.70 to 91.70): VN057292.D (-3046) (-)

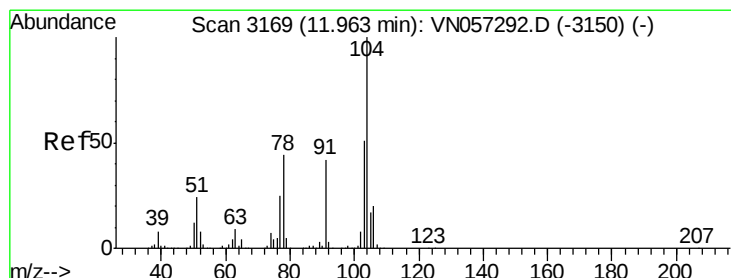
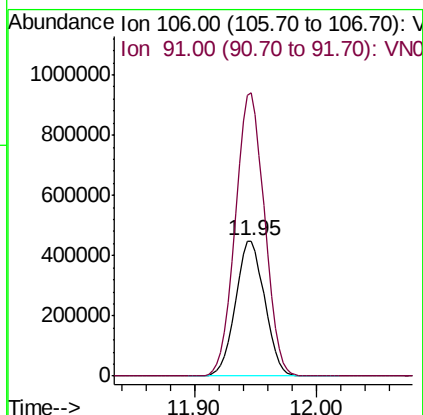
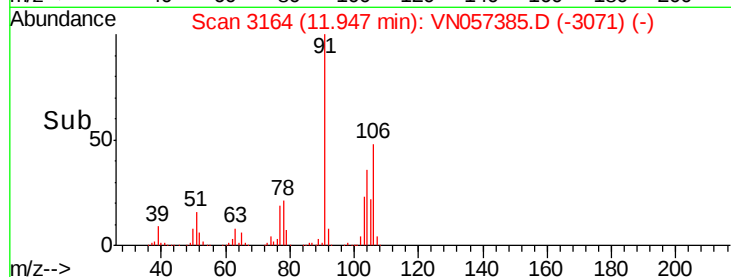
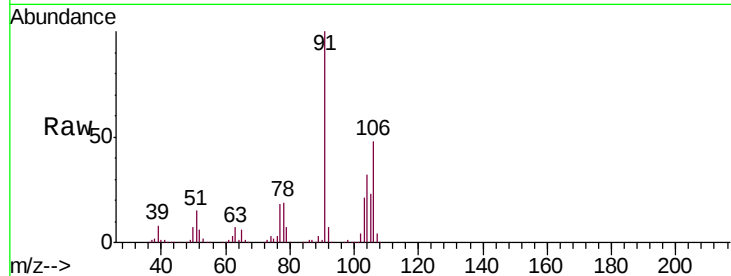




#69
o-Xylene
Concen: 53.013 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN057385.D
Acq: 19 Aug 2019 8:50

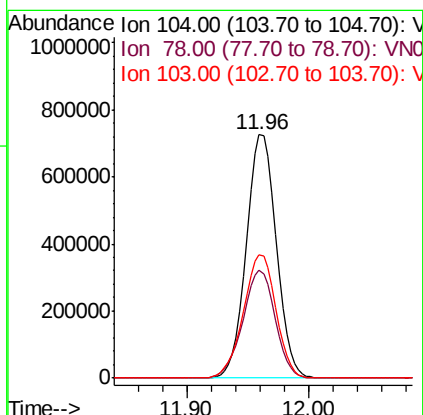
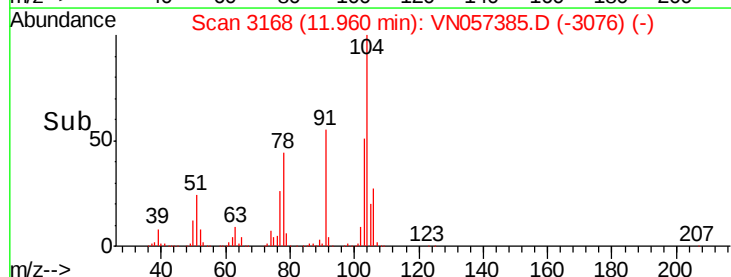
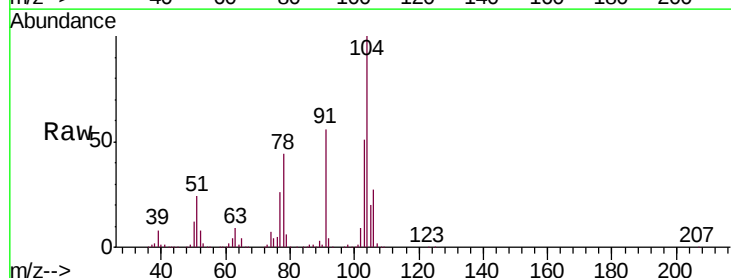
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

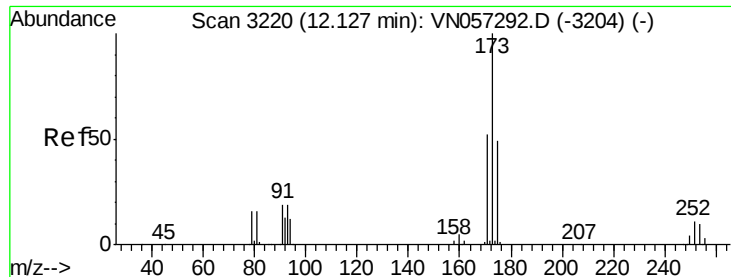
Tgt Ion:106 Resp: 743468
Ion Ratio Lower Upper
106 100
91 209.4 106.3 319.0



#70
Styrene
Concen: 54.843 ug/l
RT: 11.96 min Scan# 3168
Delta R.T. -0.00 min
Lab File: VN057385.D
Acq: 19 Aug 2019 8:50

Tgt Ion:104 Resp: 1226031
Ion Ratio Lower Upper
104 100
78 47.9 39.2 58.8
103 54.9 44.6 66.8

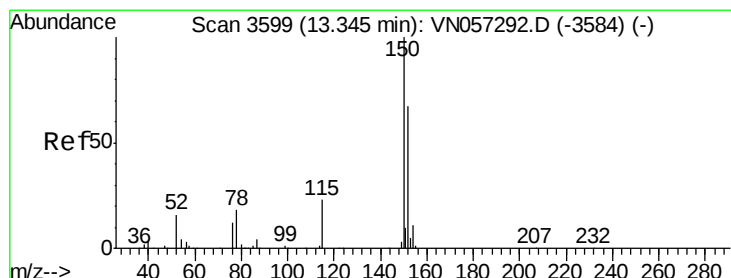
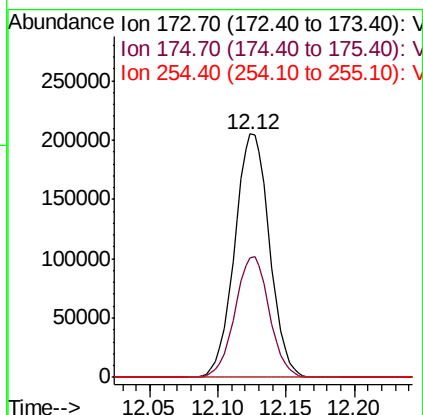
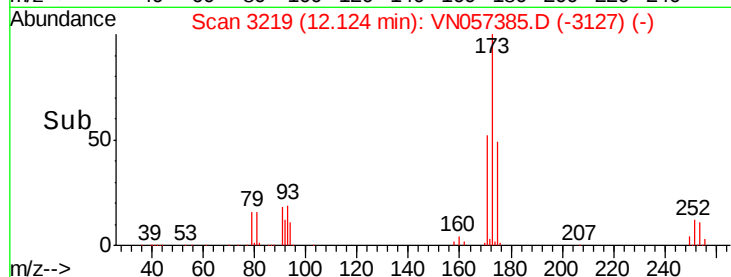
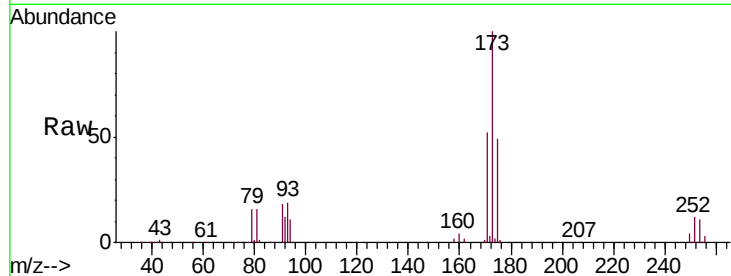




#71
Bromoform
Concen: 54.058 ug/l
RT: 12.12 min Scan# 3219
Delta R.T. -0.00 min
Lab File: VN057385.D
Acq: 19 Aug 2019 8:50

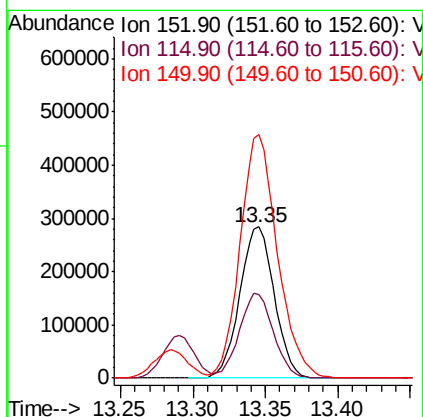
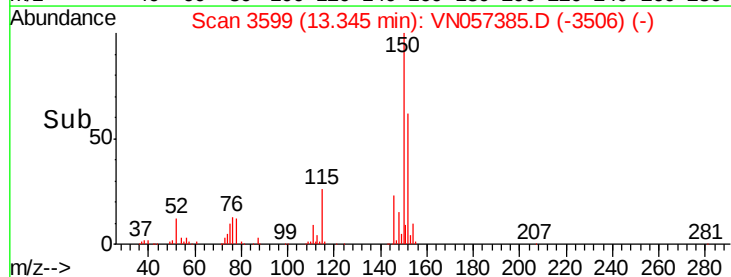
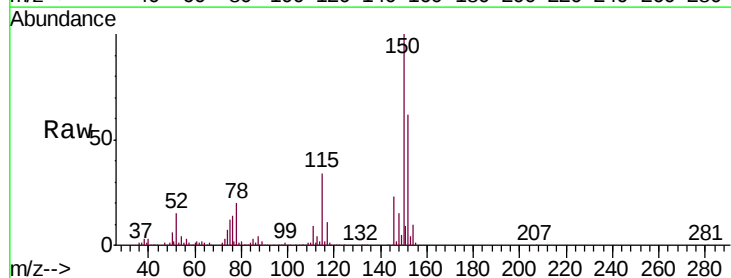
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

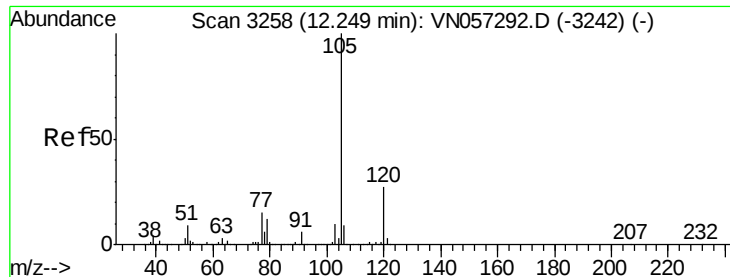
Tgt Ion:173 Resp: 361908
Ion Ratio Lower Upper
173 100
175 49.0 24.2 72.6
254 0.2 0.2 0.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN057385.D
Acq: 19 Aug 2019 8:50

Tgt Ion:152 Resp: 468413
Ion Ratio Lower Upper
152 100
115 55.3 27.3 81.9
150 174.2 0.0 344.4





#73

Isopropylbenzene

Concen: 54.041 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN057385.D

Acq: 19 Aug 2019 8:50

Instrument :

MSVOA_N

ClientSampleId :

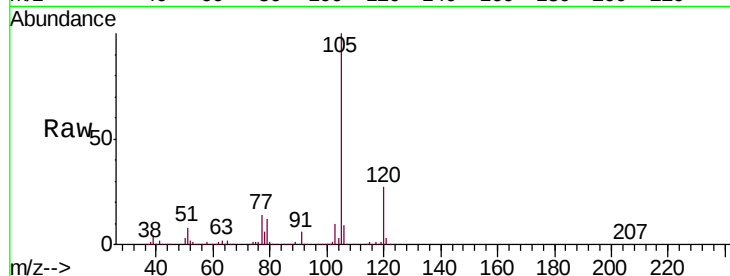
VSTDCCC050

Tgt Ion: 105 Resp: 2002762

Ion Ratio Lower Upper

105 100

120 27.1 13.2 39.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.25

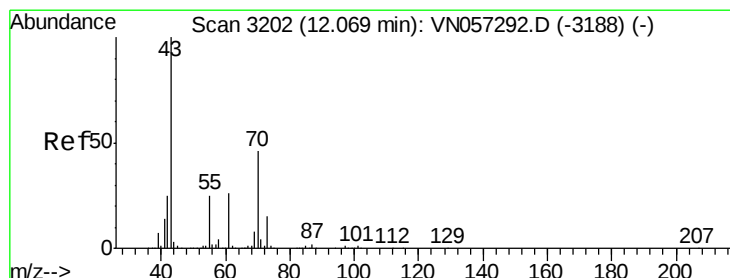
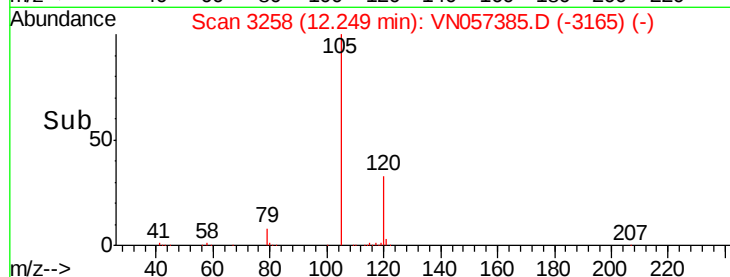
1000000

500000

0

Time-->

12.20 12.30



#74

N-ethyl acetate

Concen: 39.899 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN057385.D

Acq: 19 Aug 2019 8:50

Tgt Ion: 43 Resp: 542319

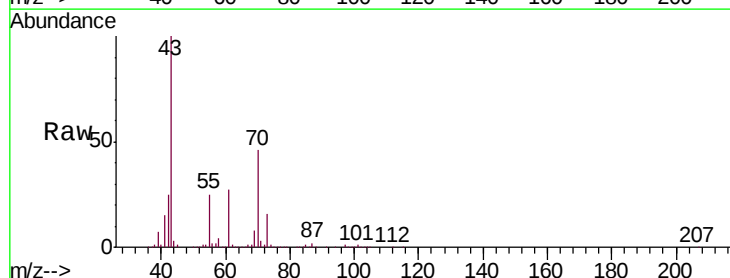
Ion Ratio Lower Upper

43 100

70 47.0 36.2 54.2

55 25.7 20.1 30.1

61 26.8 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

500000

400000

300000

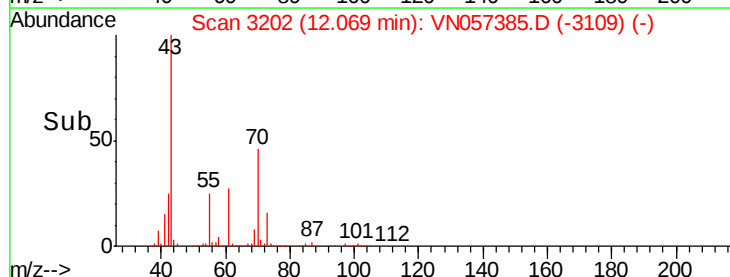
200000

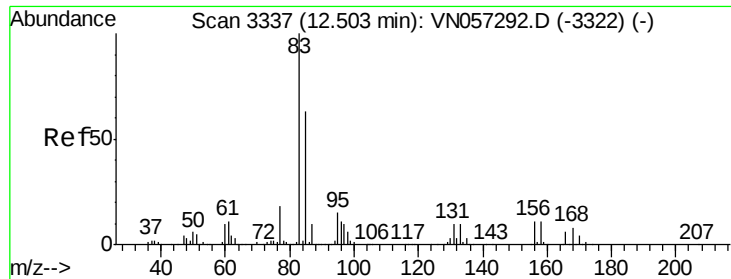
100000

0

Time-->

12.00 12.10





#75

1,1,2,2-Tetrachloroethane

Concen: 49.857 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN057385.D

Acq: 19 Aug 2019 8:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

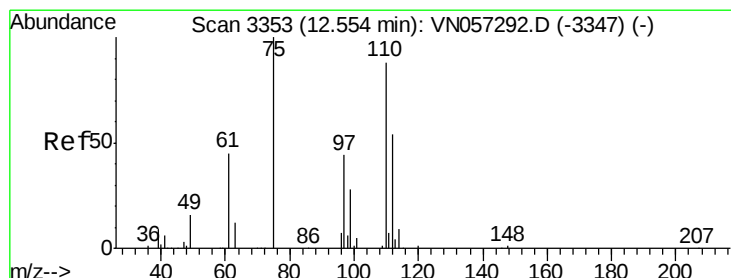
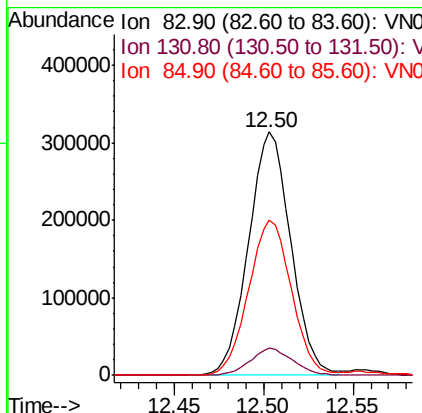
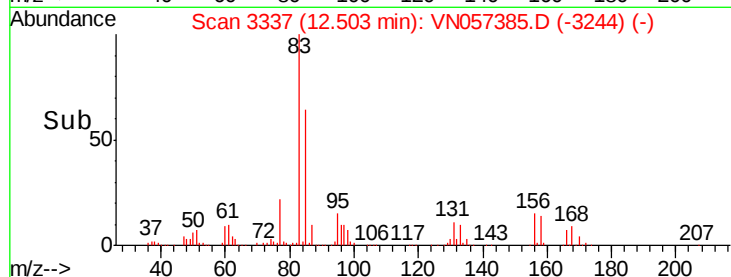
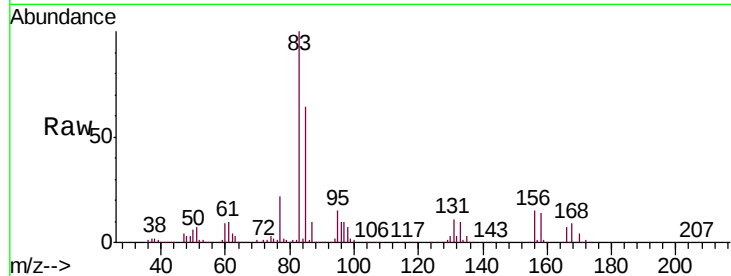
Tgt Ion: 83 Resp: 519240

Ion Ratio Lower Upper

83 100

131 11.3 5.4 16.2

85 64.7 32.3 96.9



#76

1,2,3-Trichloropropane

Concen: 71.281 ug/l

RT: 12.55 min Scan# 3352

Delta R.T. -0.00 min

Lab File: VN057385.D

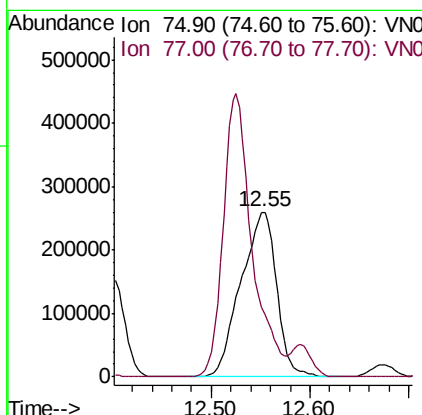
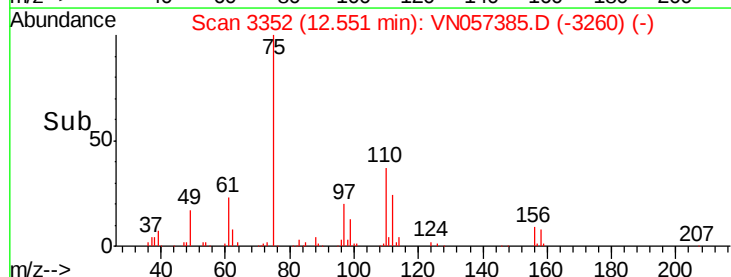
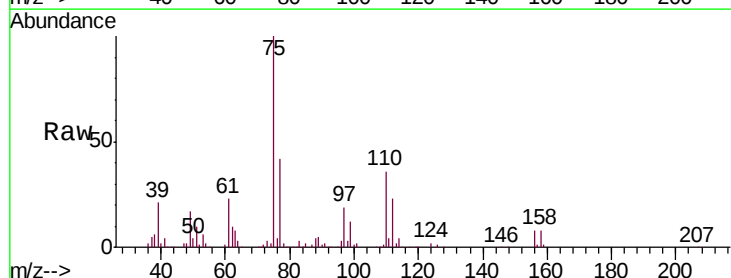
Acq: 19 Aug 2019 8:50

Tgt Ion: 75 Resp: 650197

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 54.025 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN057385.D

Acq: 19 Aug 2019 8:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

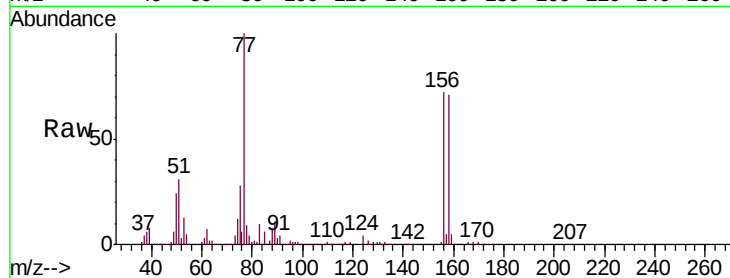
Tgt Ion: 156 Resp: 540678

Ion Ratio Lower Upper

156 100

77 167.2 89.8 269.6

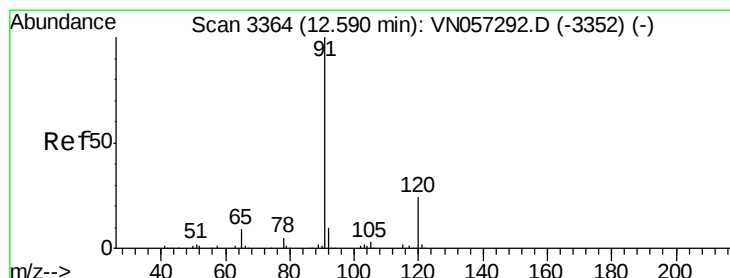
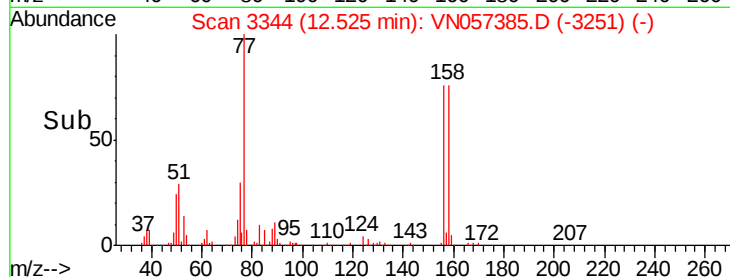
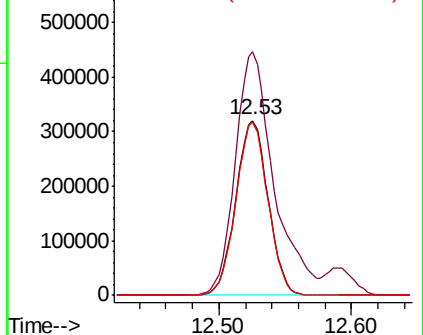
158 98.3 49.3 147.8



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: 47.212 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN057385.D

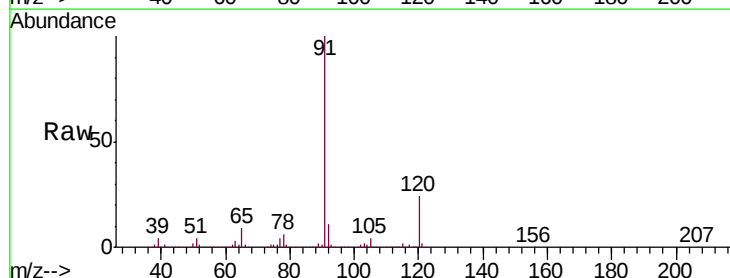
Acq: 19 Aug 2019 8:50

Tgt Ion: 91 Resp: 2129578

Ion Ratio Lower Upper

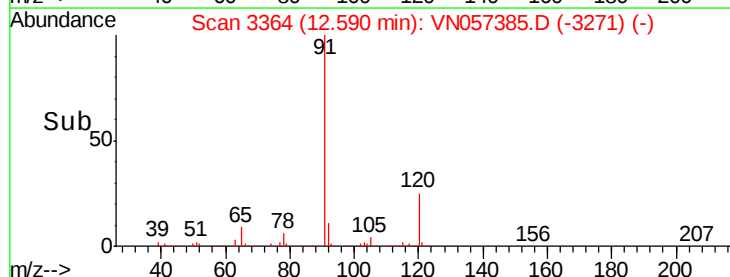
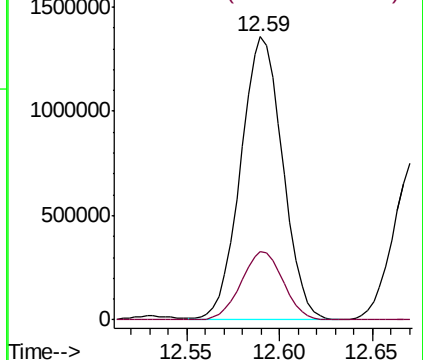
91 100

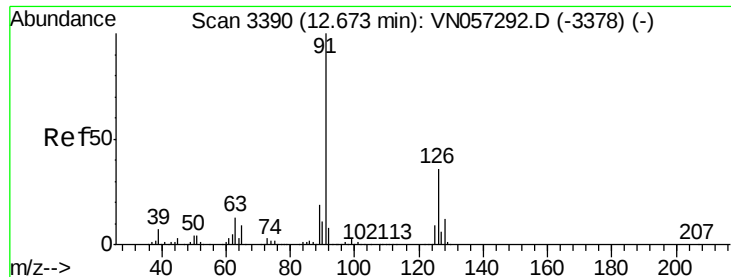
120 24.5 11.9 35.7



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 53.056 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN057385.D

Acq: 19 Aug 2019 8:50

Instrument :

MSVOA_N

ClientSampleId :

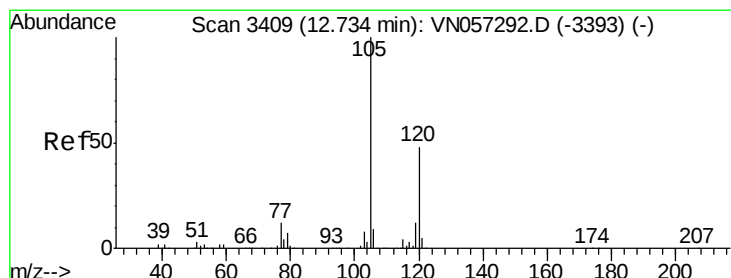
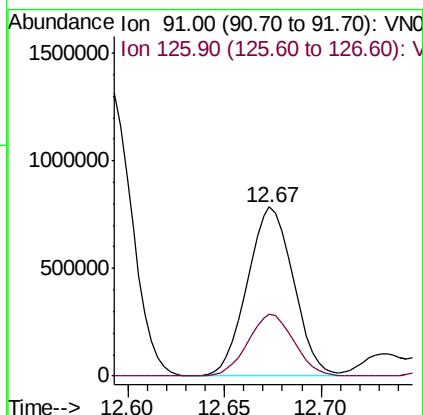
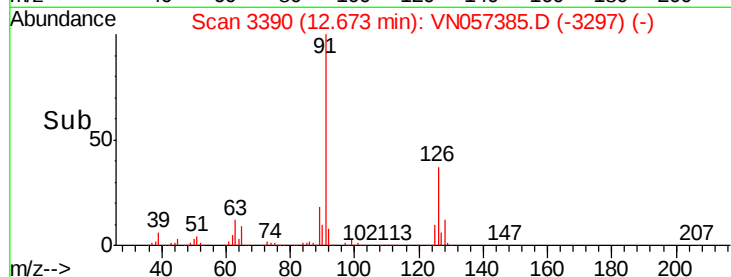
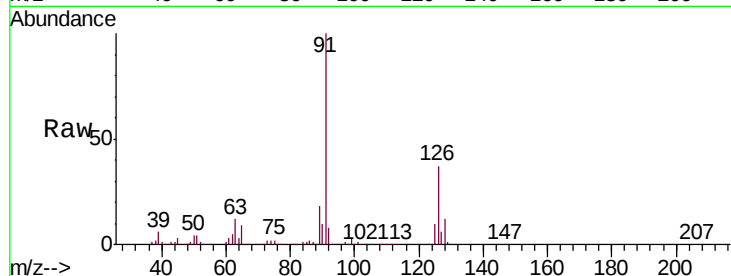
VSTDCCC050

Tgt Ion: 91 Resp: 1304838

Ion Ratio Lower Upper

91 100

126 36.6 18.1 54.1



#80

1,3,5-Trimethylbenzene

Concen: 53.895 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN057385.D

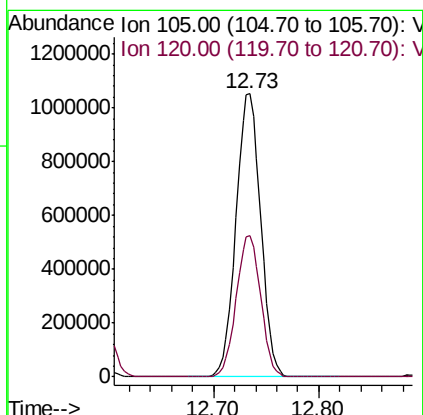
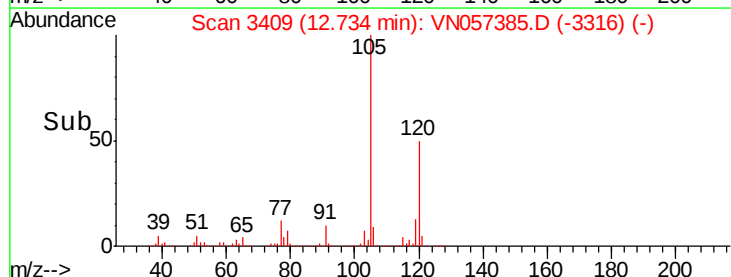
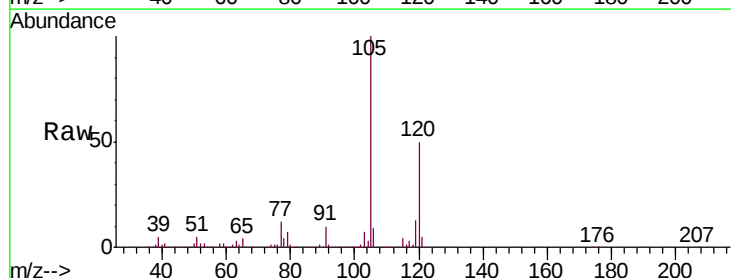
Acq: 19 Aug 2019 8:50

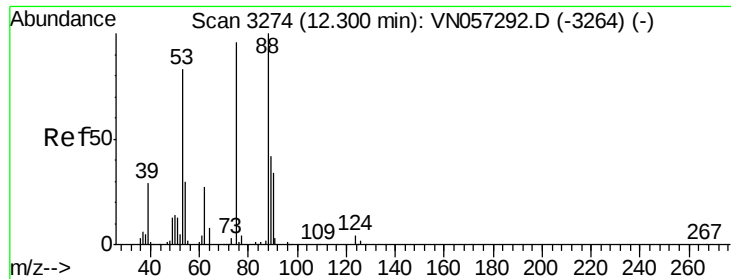
Tgt Ion: 105 Resp: 1695396

Ion Ratio Lower Upper

105 100

120 49.7 24.3 73.0





#81

trans-1,4-Dichloro-2-butene

Concen: 44.978 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN057385.D

Acq: 19 Aug 2019 8:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

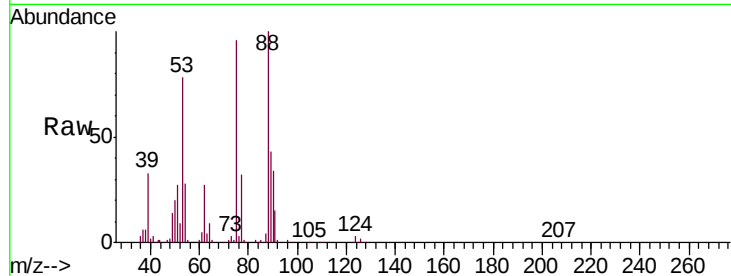
Tgt Ion: 75 Resp: 172779

Ion Ratio Lower Upper

75 100

53 82.9 67.9 101.9

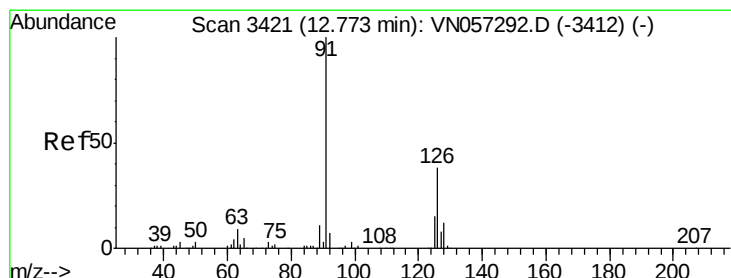
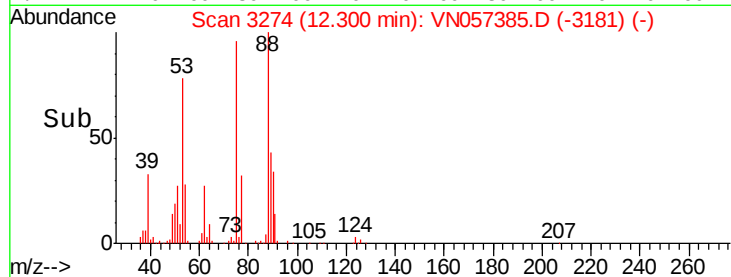
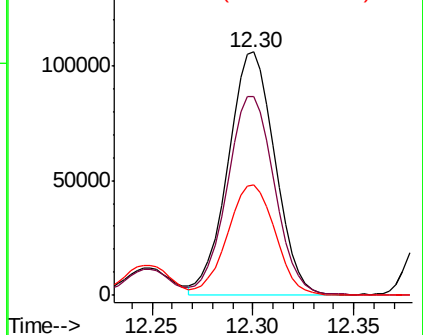
89 46.4 36.2 54.4



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO



#82

4-Chlorotoluene

Concen: 47.053 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN057385.D

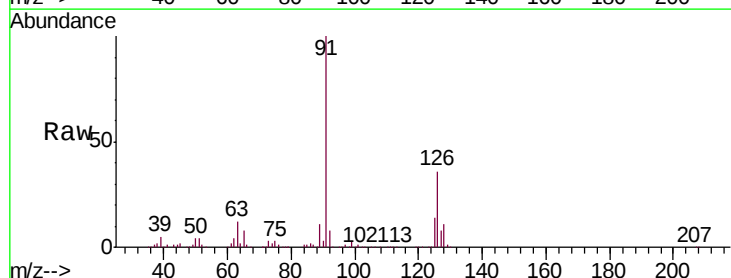
Acq: 19 Aug 2019 8:50

Tgt Ion: 91 Resp: 1257699

Ion Ratio Lower Upper

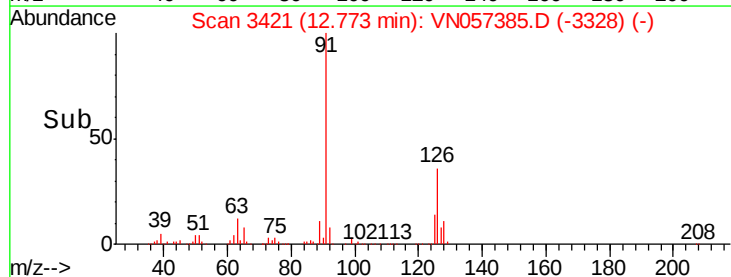
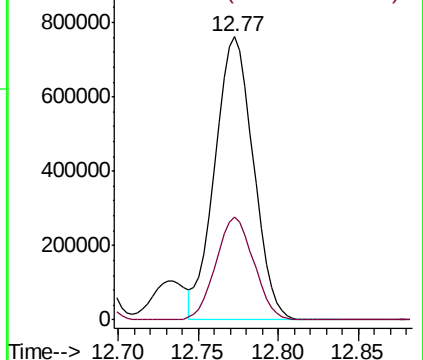
91 100

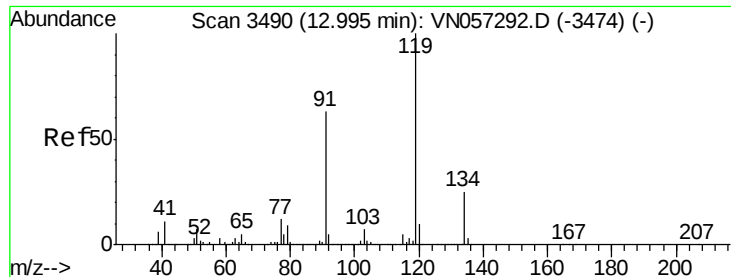
126 35.8 17.3 51.7



Abundance Ion 91.00 (90.70 to 91.70): VNO

Ion 125.90 (125.60 to 126.60): VNO

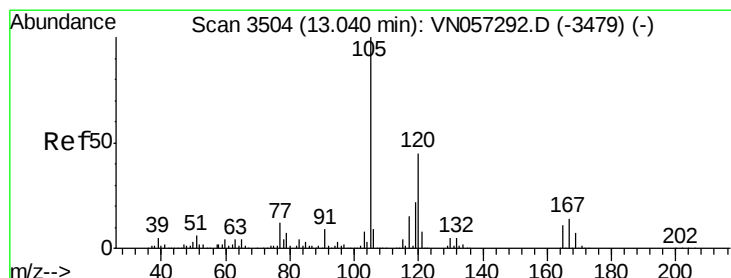
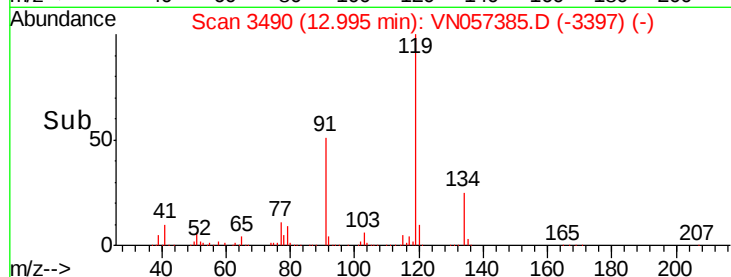
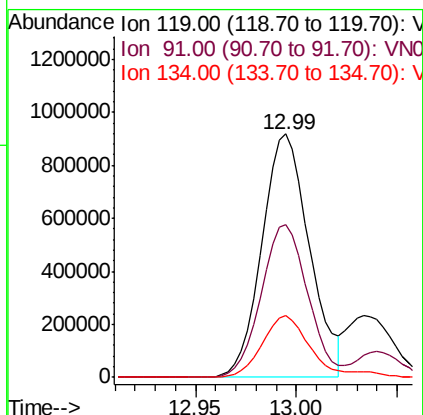
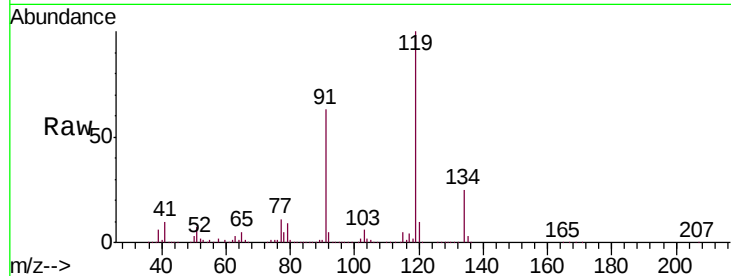




#83
 tert-Butylbenzene
 Concen: 54.628 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN057385.D
 Acq: 19 Aug 2019 8:50

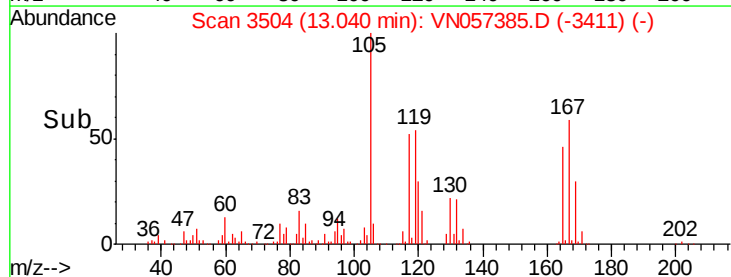
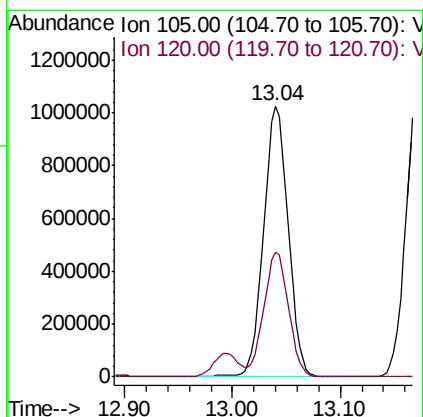
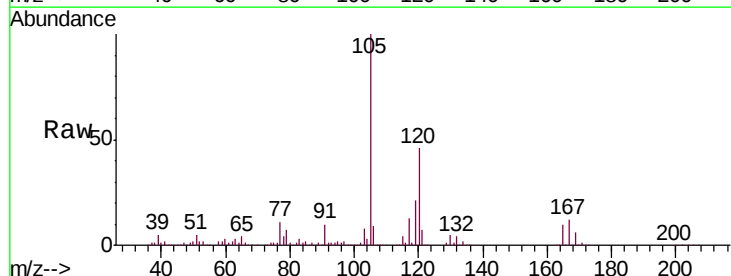
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

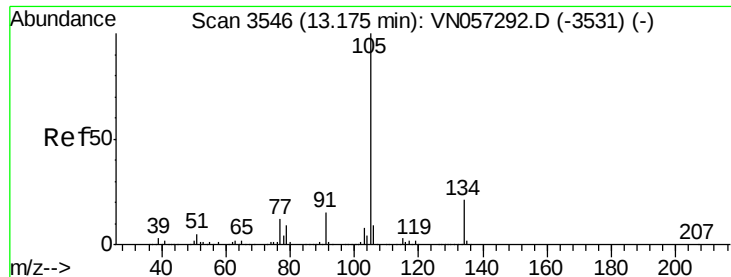
Tgt Ion:119 Resp: 1505861
 Ion Ratio Lower Upper
 119 100
 91 61.9 31.3 93.8
 134 26.3 13.1 39.1



#84
 1,2,4-Trimethylbenzene
 Concen: 48.076 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN057385.D
 Acq: 19 Aug 2019 8:50

Tgt Ion:105 Resp: 1622001
 Ion Ratio Lower Upper
 105 100
 120 46.4 22.6 67.7





#85

sec-Butylbenzene

Concen: 53.236 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN057385.D

Acq: 19 Aug 2019 8:50

Instrument :

MSVOA_N

ClientSampleId :

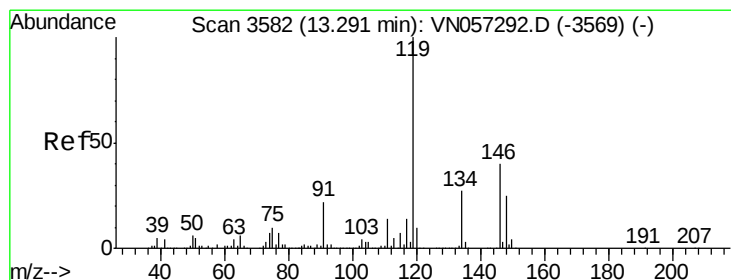
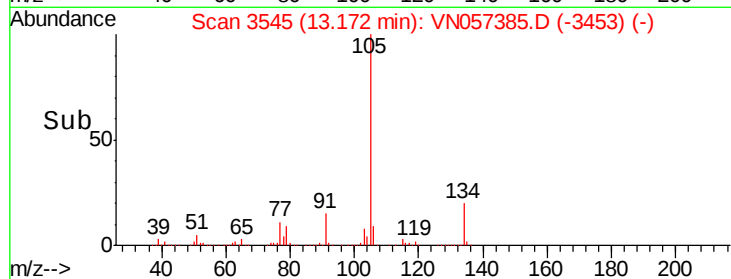
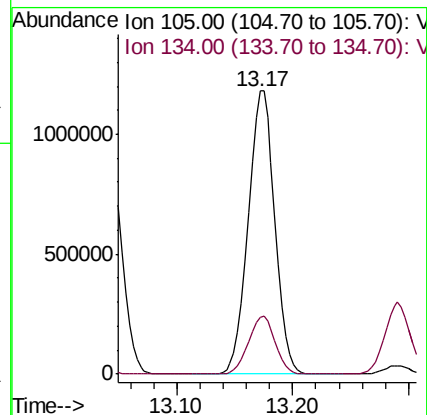
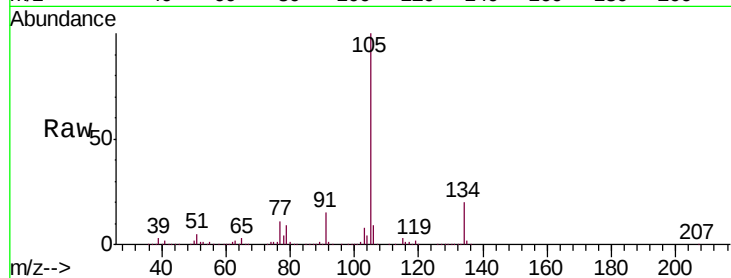
VSTDCCC050

Tgt Ion:105 Resp: 1883030

Ion Ratio Lower Upper

105 100

134 20.7 10.4 31.2



#86

p-Isopropyltoluene

Concen: 48.885 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN057385.D

Acq: 19 Aug 2019 8:50

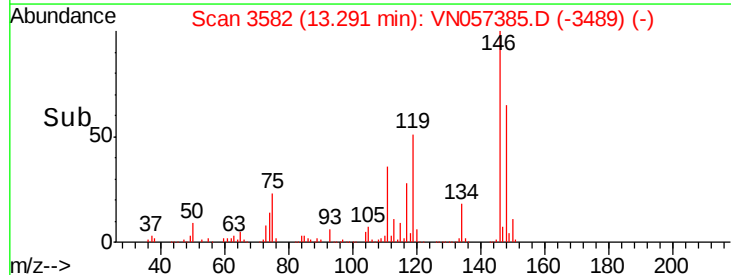
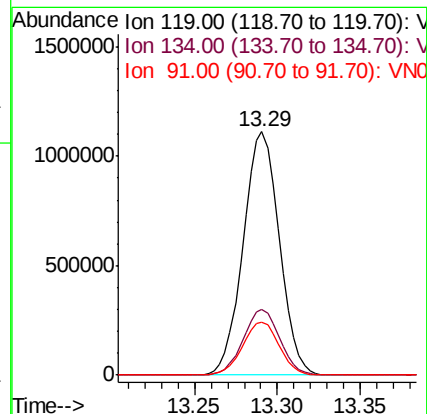
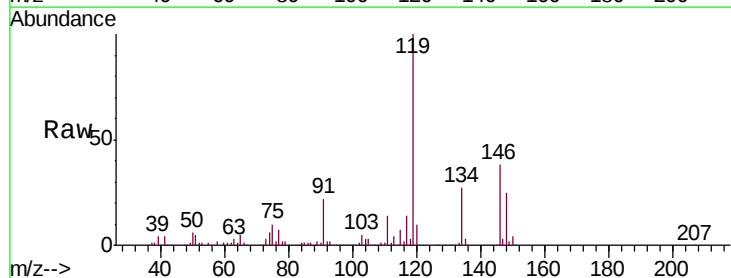
Tgt Ion:119 Resp: 1688576

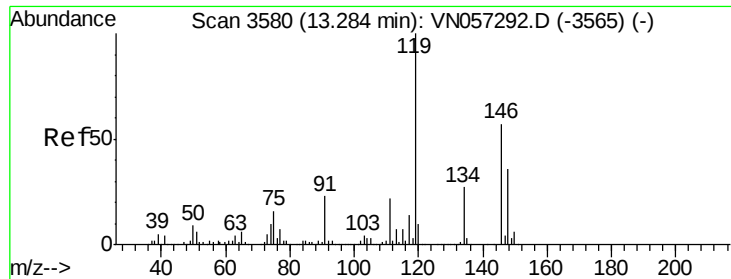
Ion Ratio Lower Upper

119 100

134 27.0 13.4 40.2

91 22.1 11.2 33.5





#87

1,3-Dichlorobenzene

Concen: 51.582 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN057385.D

Acq: 19 Aug 2019 8:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

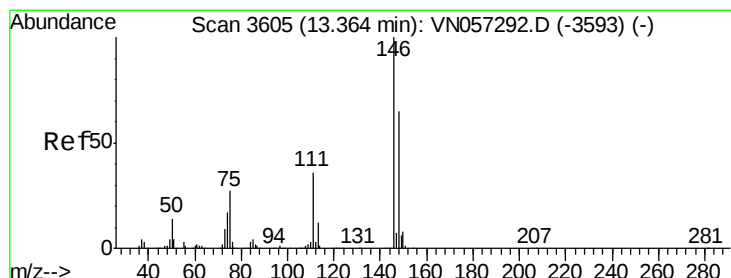
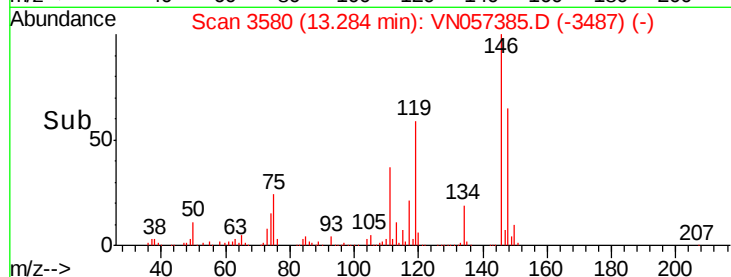
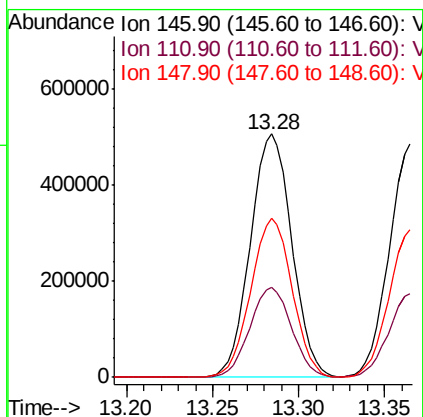
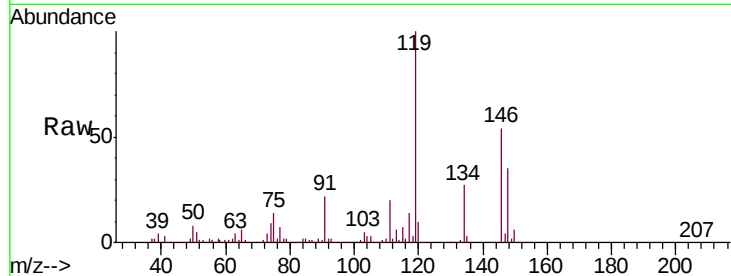
Tgt Ion:146 Resp: 846548

Ion Ratio Lower Upper

146 100

111 37.0 18.7 56.1

148 64.9 31.7 95.1



#88

1,4-Dichlorobenzene

Concen: 51.106 ug/l

RT: 13.36 min Scan# 3605

Delta R.T. 0.00 min

Lab File: VN057385.D

Acq: 19 Aug 2019 8:50

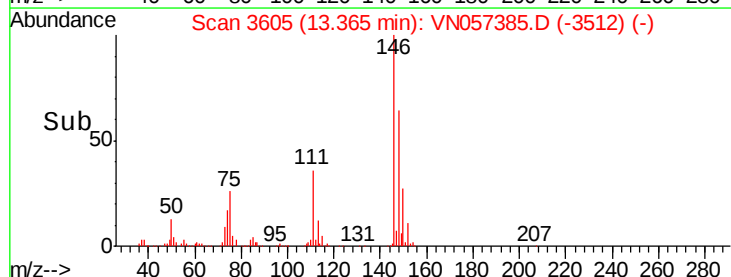
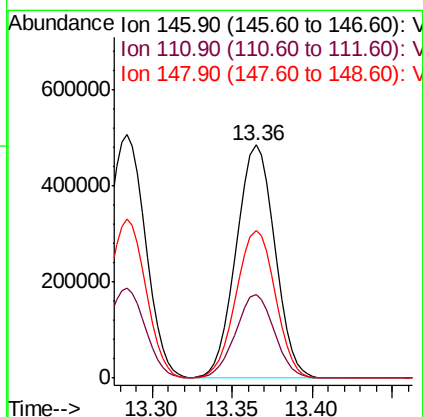
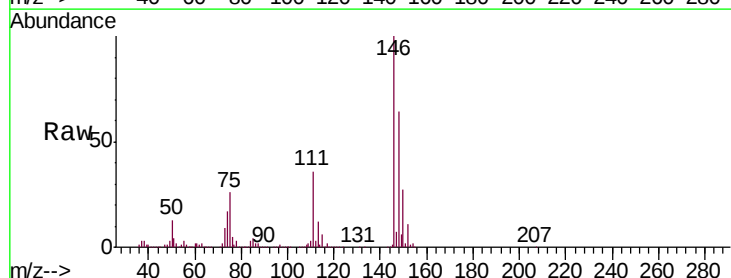
Tgt Ion:146 Resp: 796190

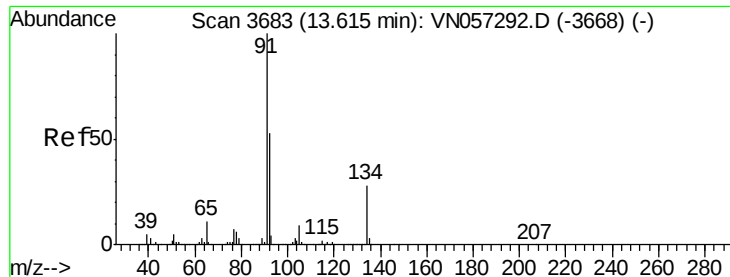
Ion Ratio Lower Upper

146 100

111 36.0 18.4 55.4

148 64.4 32.5 97.4





#89

n-Butylbenzene

Concen: 50.912 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN057385.D

Acq: 19 Aug 2019 8:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

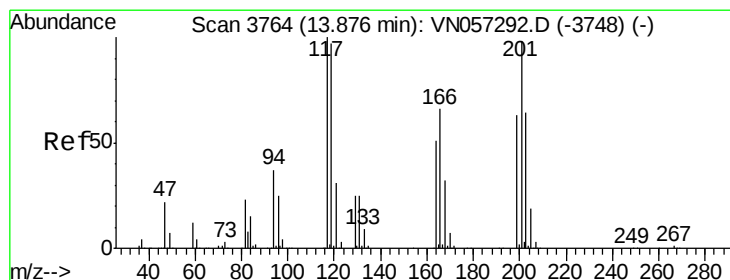
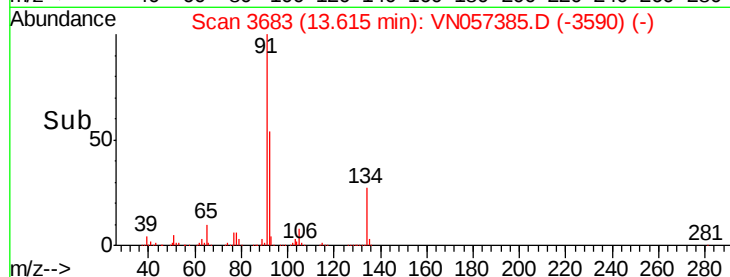
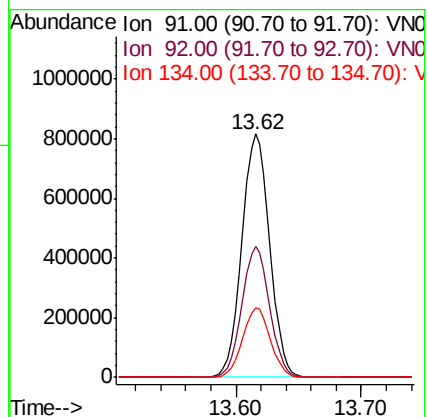
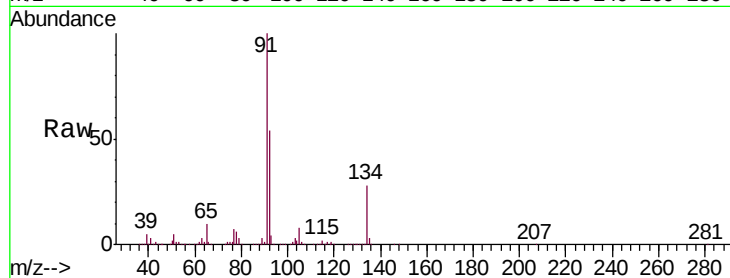
Tgt Ion: 91 Resp: 1253705

Ion Ratio Lower Upper

91 100

92 53.4 26.2 78.6

134 28.5 13.9 41.7



#90

Hexachloroethane

Concen: 54.521 ug/l

RT: 13.88 min Scan# 3764

Delta R.T. 0.00 min

Lab File: VN057385.D

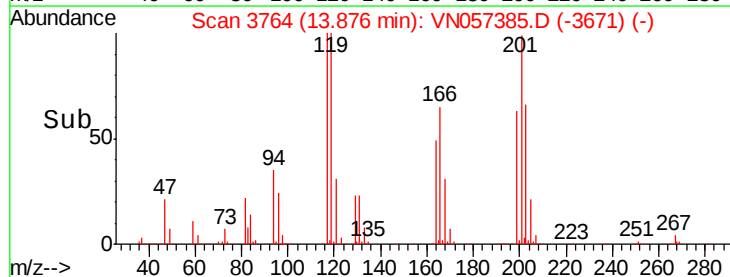
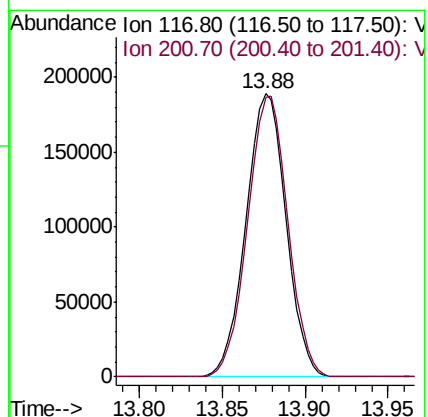
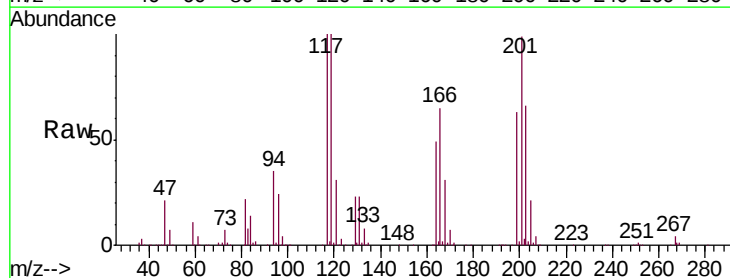
Acq: 19 Aug 2019 8:50

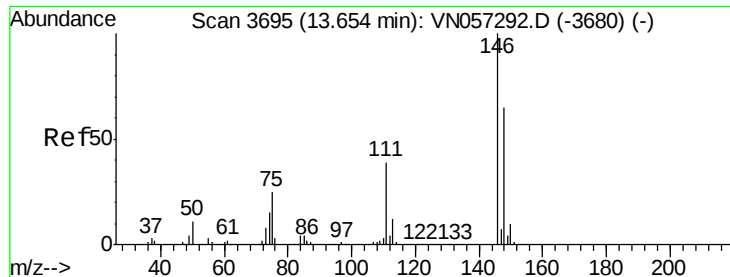
Tgt Ion: 117 Resp: 319063

Ion Ratio Lower Upper

117 100

201 99.4 48.4 145.0





#91

1,2-Dichlorobenzene

Concen: 52.257 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN057385.D

Acq: 19 Aug 2019 8:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

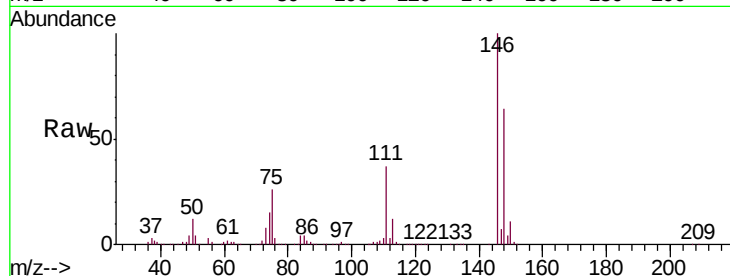
Tgt Ion:146 Resp: 799479

Ion Ratio Lower Upper

146 100

111 38.7 19.7 59.1

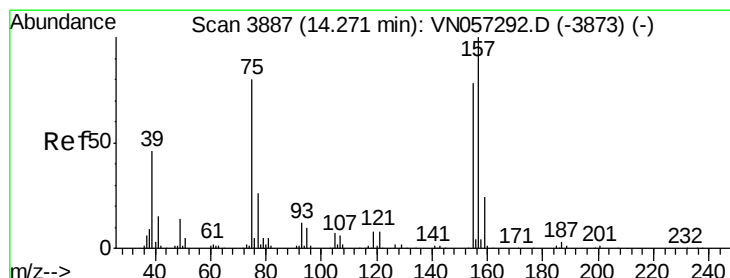
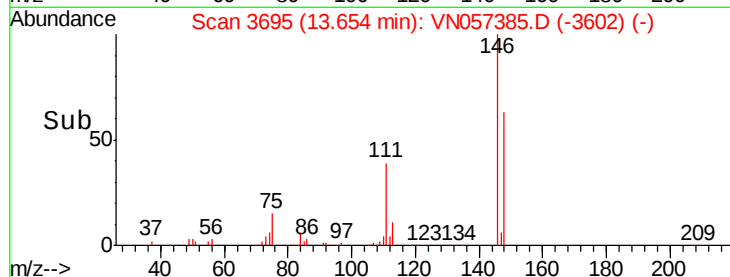
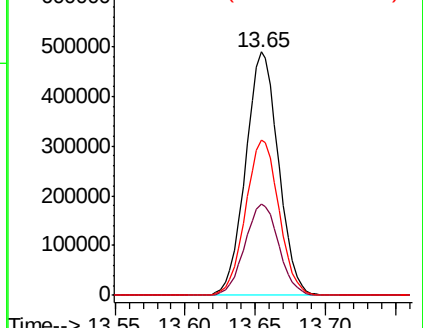
148 64.7 32.0 96.0



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: 43.171 ug/l

RT: 14.27 min Scan# 3887

Delta R.T. 0.00 min

Lab File: VN057385.D

Acq: 19 Aug 2019 8:50

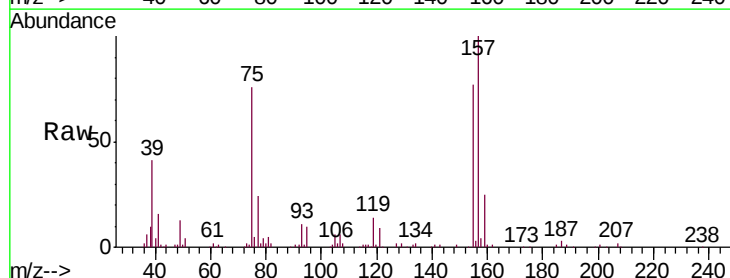
Tgt Ion: 75 Resp: 72111

Ion Ratio Lower Upper

75 100

155 100.8 49.6 148.8

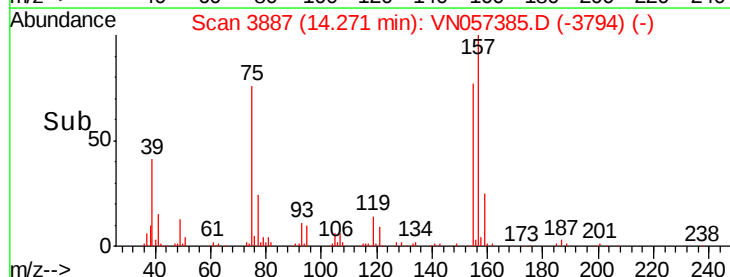
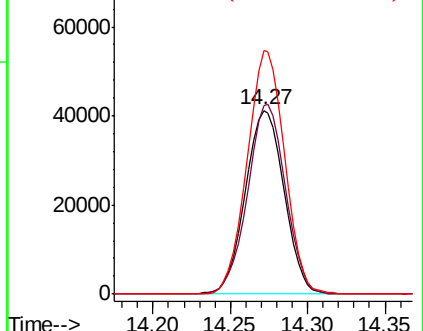
157 128.2 63.7 191.1

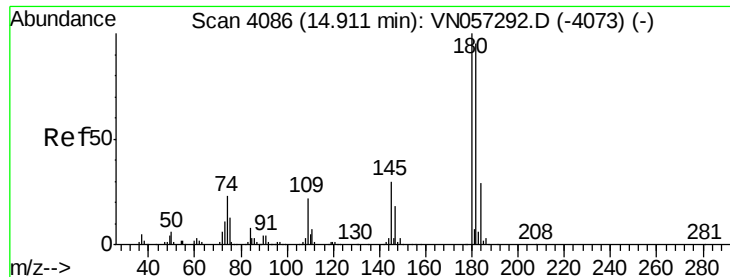


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

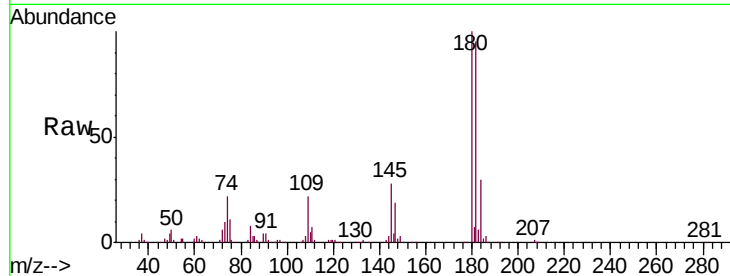




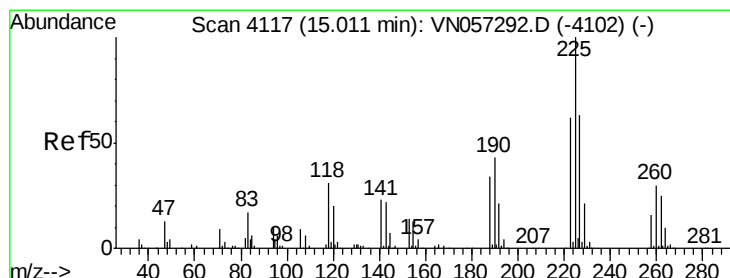
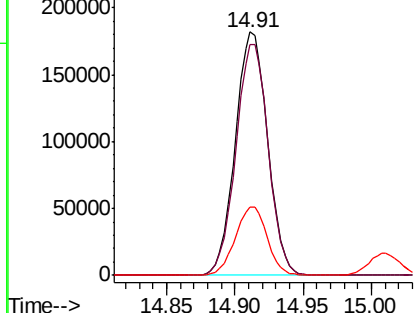
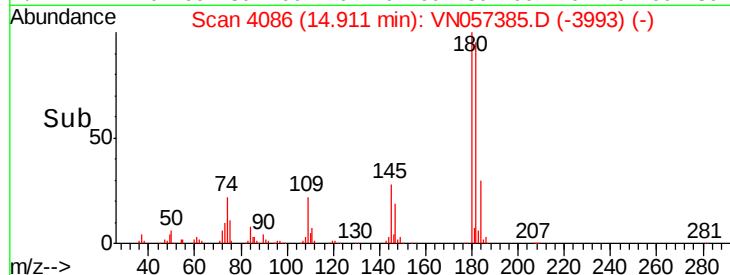
#93
 1,2,4-Trichlorobenzene
 Concen: 48.962 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN057385.D
 Acq: 19 Aug 2019 8:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.0	48.0	144.2
145	27.7	14.5	43.6

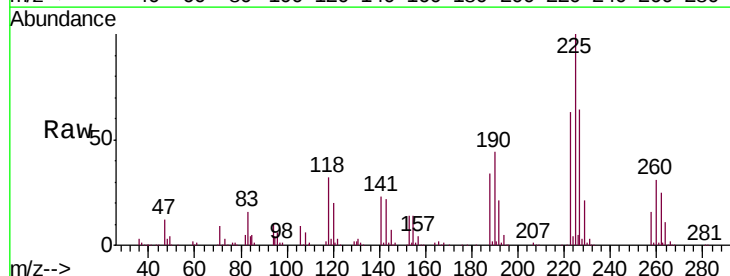


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

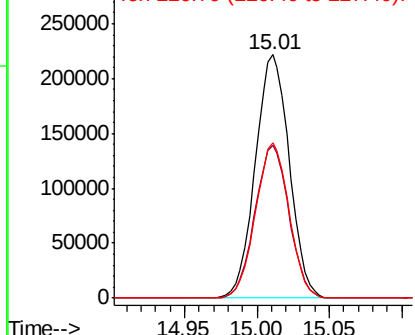
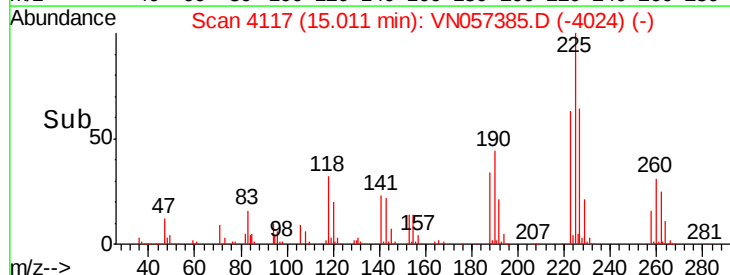


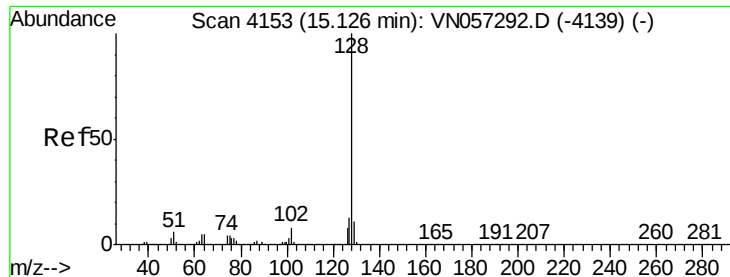
#94
 Hexachlorobutadiene
 Concen: 62.970 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN057385.D
 Acq: 19 Aug 2019 8:50

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.8	30.7	92.1
227	62.9	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: 51.877 ug/l

RT: 15.13 min Scan# 4153

Delta R.T. 0.00 min

Lab File: VN057385.D

Acq: 19 Aug 2019 8:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

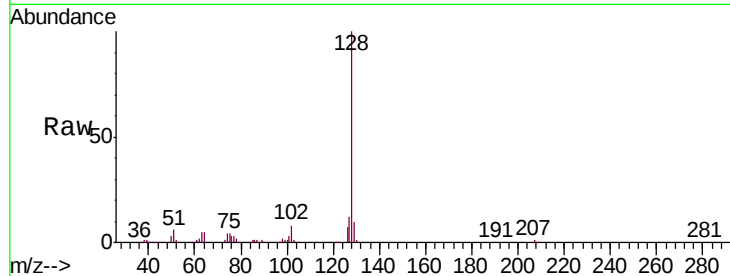
Tgt Ion:128 Resp: 492140

Ion Ratio Lower Upper

128 100

127 12.5 10.5 15.7

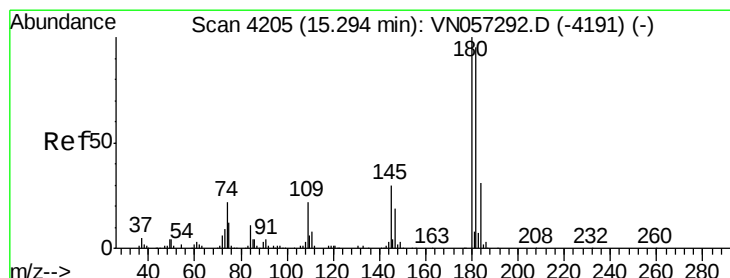
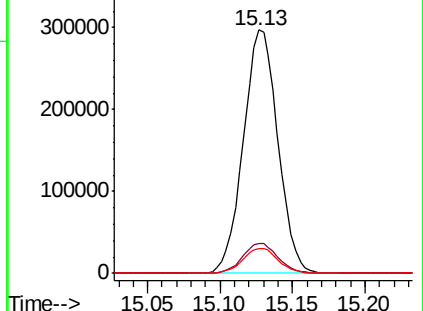
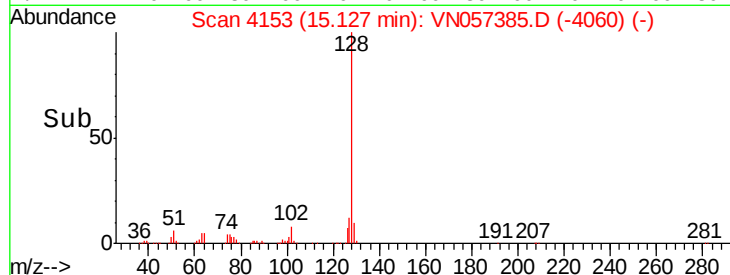
129 10.4 8.8 13.2



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: 57.559 ug/l

RT: 15.30 min Scan# 4206

Delta R.T. 0.00 min

Lab File: VN057385.D

Acq: 19 Aug 2019 8:50

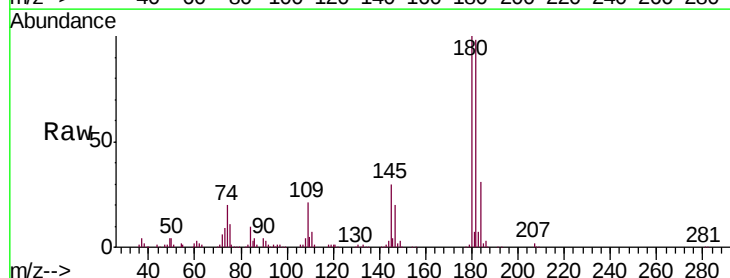
Tgt Ion:180 Resp: 254110

Ion Ratio Lower Upper

180 100

182 95.4 47.9 143.6

145 29.4 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

