

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN031020\
 Data File : VN060433.D
 Acq On : 10 Mar 2020 21:26
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Mar 11 06:44:50 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N022720W.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 27 13:52:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	191975	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	319588	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	300976	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	148734	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.00	65	119735	48.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.22%	
35) Dibromofluoromethane	7.57	113	88672	59.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	119.56%	
50) Toluene-d8	10.08	98	353042	47.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.04%	
62) 4-Bromofluorobenzene	12.40	95	137049	48.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.30%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.83	85	72189	41.014	ug/l	100
3) Chloromethane	2.04	50	134576	43.916	ug/l	100
4) Vinyl Chloride	2.16	62	110589	42.080	ug/l	99
5) Bromomethane	2.54	94	43686	40.857	ug/l	99
6) Chloroethane	2.68	64	61070	42.889	ug/l	97
7) Trichlorofluoromethane	3.00	101	147553	43.944	ug/l	99
8) Diethyl Ether	3.38	74	58128	45.850	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.74	101	86380	45.456	ug/l	100
10) Methyl Iodide	3.93	142	63644	36.697	ug/l	99
11) Tert butyl alcohol	4.73	59	89093	243.601	ug/l	99
12) 1,1-Dichloroethene	3.72	96	84413	45.762	ug/l	98
13) Acrolein	3.58	56	90067	263.974	ug/l	100
14) Allyl chloride	4.29	41	145757	42.862	ug/l	92
15) Acrylonitrile	4.94	53	254440	263.941	ug/l	99
16) Acetone	3.78	43	207853	261.319	ug/l	100
17) Carbon Disulfide	4.03	76	205389	41.849	ug/l	99
18) Methyl Acetate	4.29	43	144640	54.491	ug/l	99
19) Methyl tert-butyl Ether	5.00	73	323636	48.331	ug/l	98
20) Methylene Chloride	4.52	84	100627	46.066	ug/l	99
21) trans-1,2-Dichloroethene	5.01	96	90329	45.547	ug/l	95
22) Diisopropyl ether	5.92	45	351425	51.018	ug/l	99
23) Vinyl Acetate	5.86	43	1333444	243.614	ug/l	99
24) 1,1-Dichloroethane	5.82	63	189859	48.692	ug/l	99
25) 2-Butanone	6.80	43	338419	263.411	ug/l	100
26) 2,2-Dichloropropane	6.80	77	146638	41.310	ug/l	99
27) cis-1,2-Dichloroethene	6.80	96	114331	45.137	ug/l	99
28) Bromochloromethane	7.17	49	77999	48.721	ug/l	97
29) Tetrahydrofuran	7.18	42	226896	253.971	ug/l	99
30) Chloroform	7.35	83	191276	49.278	ug/l	99
31) Cyclohexane	7.63	56	160238	48.107	ug/l	100
32) 1,1,1-Trichloroethane	7.55	97	166261	48.345	ug/l	100
36) 1,1-Dichloropropene	7.77	75	136713	44.885	ug/l	99
37) Ethyl Acetate	6.90	43	144659	50.159	ug/l	99
38) Carbon Tetrachloride	7.75	117	136245	45.944	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	152415	42.441	ug/l	96
40) Benzene	8.02	78	415473	46.866	ug/l	99
41) Methacrylonitrile	7.18	41	210311	157.932	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	153269	47.911	ug/l	99
43) Isopropyl Acetate	8.14	43	250634	49.641	ug/l	99
44) Trichloroethene	8.82	130	110193	44.631	ug/l	96
45) 1,2-Dichloropropane	9.10	63	116831	50.406	ug/l	99
46) Dibromomethane	9.19	93	72463	48.182	ug/l	98
47) Bromodichloromethane	9.39	83	153075	50.044	ug/l	100
48) Methyl methacrylate	9.18	41	114111	49.562	ug/l	98
49) 1,4-Dioxane	9.18	88	30539	943.204	ug/l	100
51) 4-Methyl-2-Pentanone	9.97	43	750460	262.153	ug/l	100
52) Toluene	10.14	92	261023	46.873	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	171486	45.754	ug/l	98
54) cis-1,3-Dichloropropene	9.82	75	180300	46.425	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	106615	47.608	ug/l	99
56) Ethyl methacrylate	10.42	69	164223	51.044	ug/l	98
57) 1,3-Dichloropropane	10.70	76	180334	49.379	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	411008	244.262	ug/l	99
59) 2-Hexanone	10.74	43	543340	258.506	ug/l	100
60) Dibromochloromethane	10.89	129	114209	50.149	ug/l	100
61) 1,2-Dibromoethane	11.00	107	107338	49.169	ug/l	98
64) Tetrachloroethene	10.62	164	108458	45.645	ug/l	98
65) Chlorobenzene	11.43	112	276923	45.566	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.50	131	106780	47.519	ug/l	99
67) Ethyl Benzene	11.51	91	510154	46.094	ug/l	100
68) m/p-Xylenes	11.62	106	377274	90.350	ug/l	99
69) o-Xylene	11.94	106	185504	46.587	ug/l	99
70) Styrene	11.96	104	308990	47.197	ug/l	100
71) Bromoform	12.12	173	81784	50.499	ug/l #	100
73) Isopropylbenzene	12.25	105	499306	45.293	ug/l	99
74) N-amyl acetate	12.07	43	214533	44.535	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	154396	51.524	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	205781	63.060	ug/l #	100
77) Bromobenzene	12.52	156	121745	45.053	ug/l	98
78) n-propylbenzene	12.59	91	587433	45.459	ug/l	100
79) 2-Chlorotoluene	12.67	91	345388	45.470	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	419322	45.177	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	54724	46.293	ug/l #	86
82) 4-Chlorotoluene	12.77	91	357238	44.639	ug/l	99
83) tert-Butylbenzene	12.99	119	360090	44.809	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	420021	44.834	ug/l	99
85) sec-Butylbenzene	13.17	105	480808	44.680	ug/l	100
86) p-Isopropyltoluene	13.28	119	433800	43.554	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	217377	46.803	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	218015	47.200	ug/l	99
89) n-Butylbenzene	13.61	91	391437	42.812	ug/l	100
90) Hexachloroethane	13.87	117	60343	41.856	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	212999	44.984	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.26	75	31720	46.744	ug/l	97

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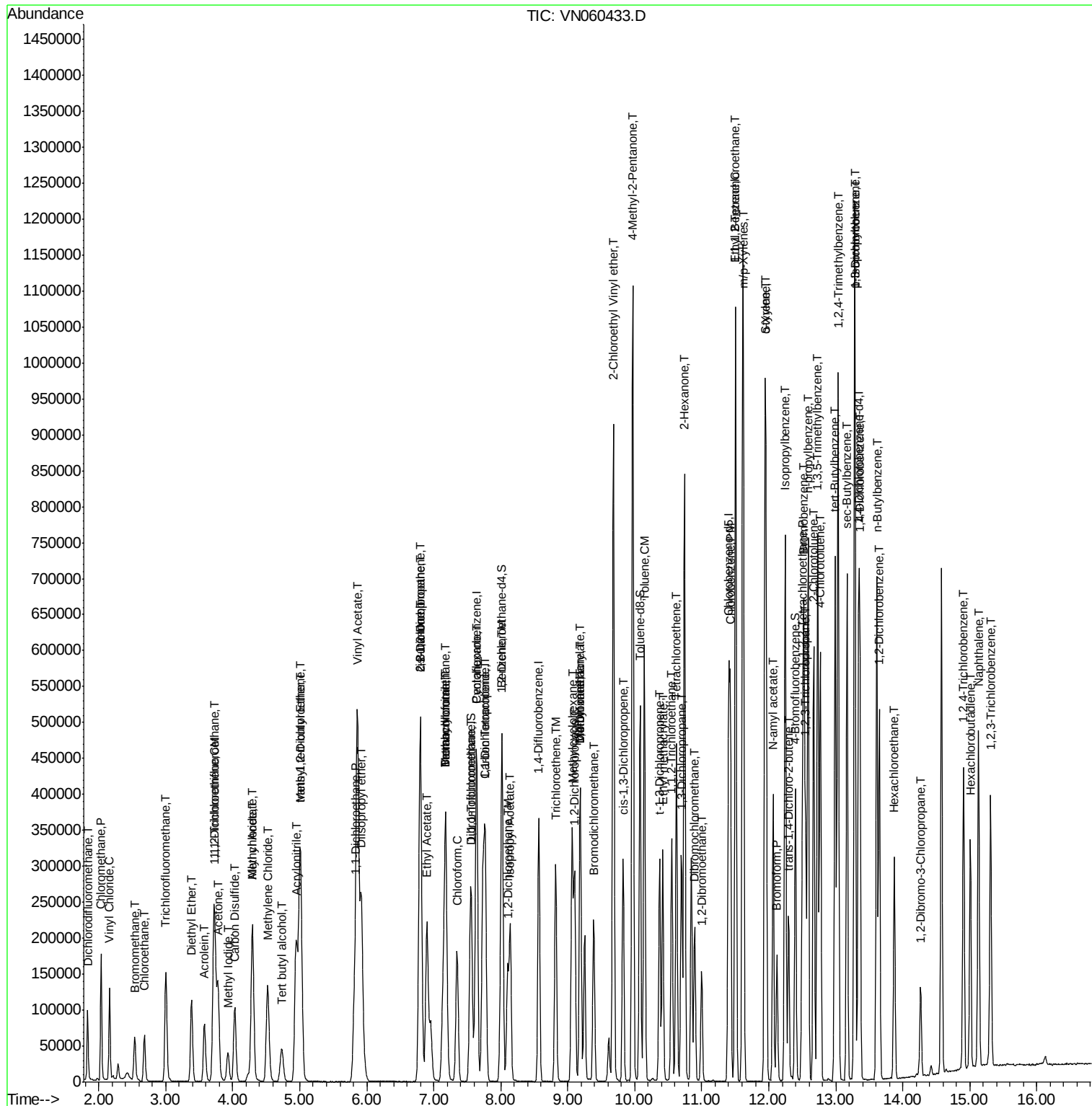
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	133248	44.297	ug/l	100
94) Hexachlorobutadiene	15.01	225	61749	44.585	ug/l	99
95) Naphthalene	15.13	128	399419	45.044	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	128226	45.236	ug/l	100

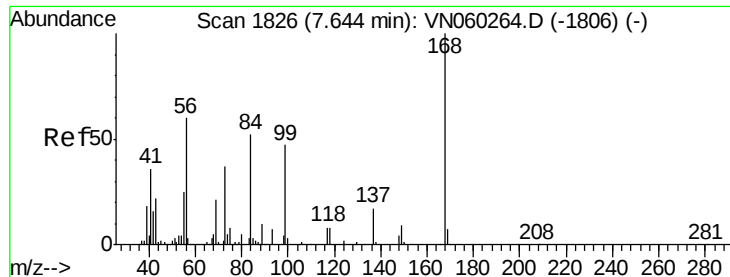
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Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_N\DATA\VN031020\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VN060433.D

Acq: 10 Mar 2020 21:26

Instrument :

MSVOA_N

ClientSampleId :

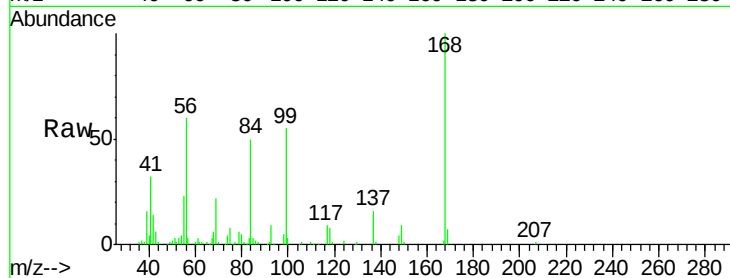
VSTDCCC050EC

Tgt Ion:168 Resp: 191975

Ion Ratio Lower Upper

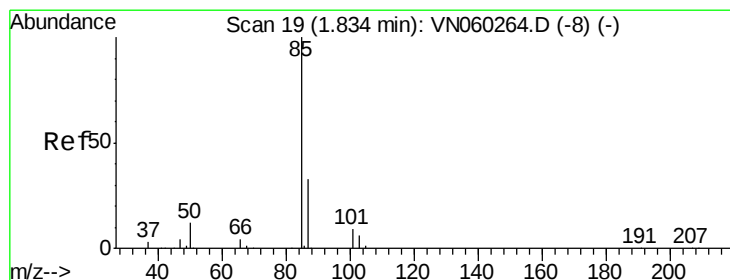
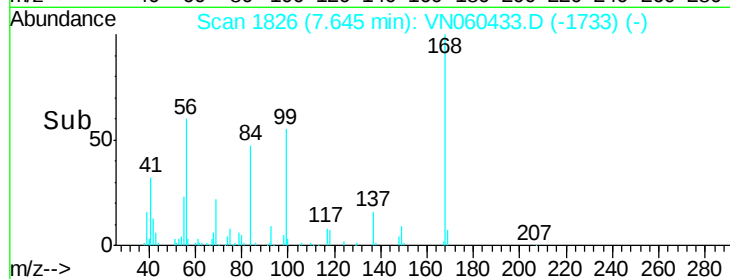
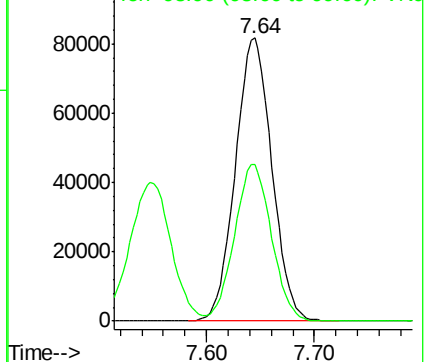
168 100

99 55.3 44.7 67.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 41.014 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN060433.D

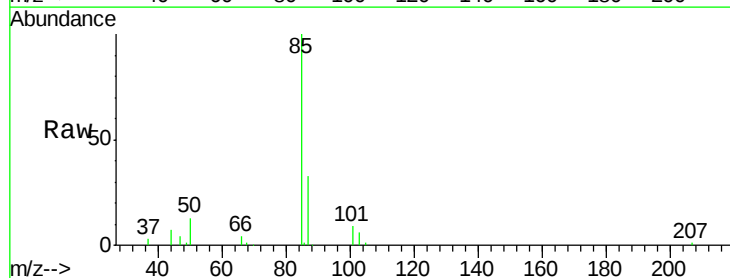
Acq: 10 Mar 2020 21:26

Tgt Ion: 85 Resp: 72189

Ion Ratio Lower Upper

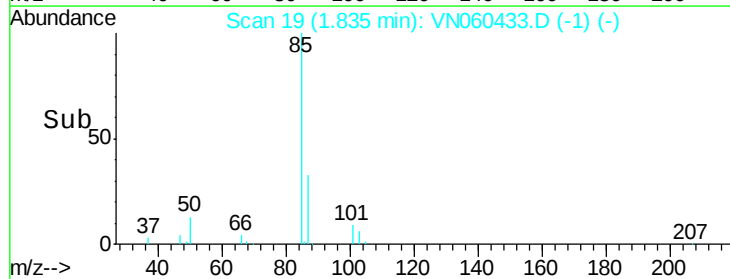
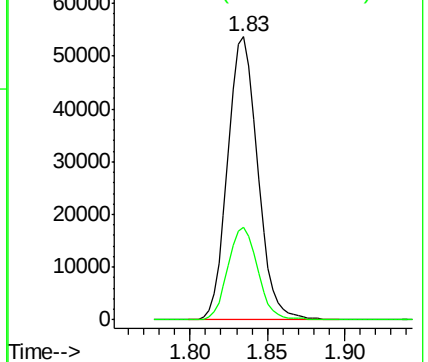
85 100

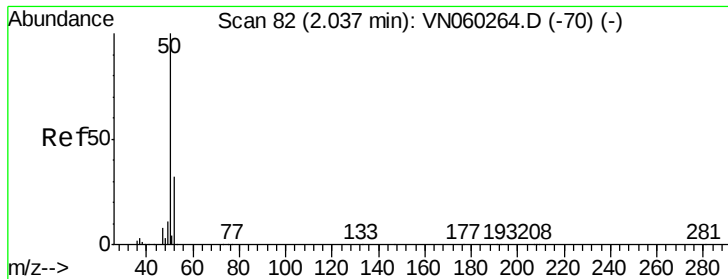
87 32.7 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 43.916 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN060433.D

Acq: 10 Mar 2020 21:26

Instrument :

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ClientSampleId :

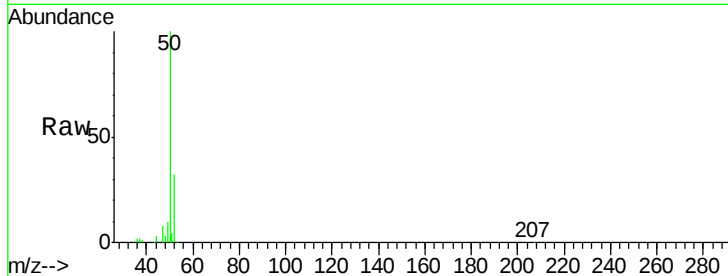
VSTDCCC050EC

Tgt Ion: 50 Resp: 134576

Ion Ratio Lower Upper

50 100

52 32.1 25.6 38.4



Abundance Ion 49.90 (49.60 to 50.60): VN060433.D (-1) (-)

Ion 51.90 (51.60 to 52.60): VN060433.D (-1) (-)

2.04

120000

100000

80000

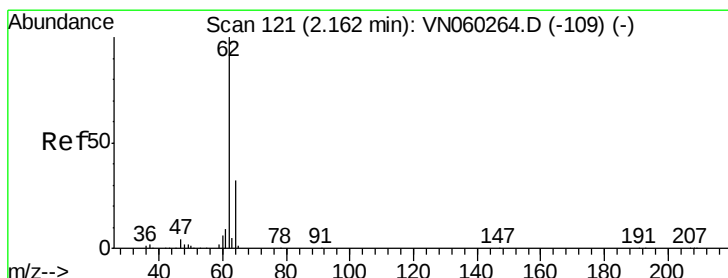
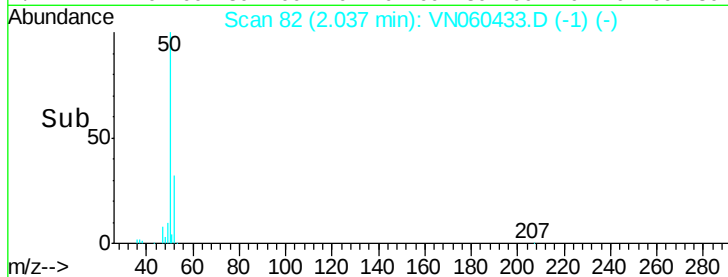
60000

40000

20000

0

Time--> 1.95 2.00 2.05 2.10



#4

Vinyl Chloride

Concen: 42.080 ug/l

RT: 2.16 min Scan# 121

Delta R.T. 0.00 min

Lab File: VN060433.D

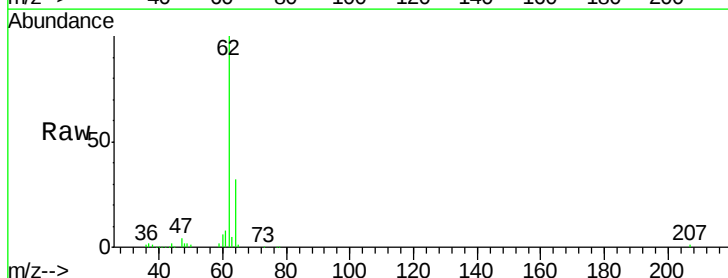
Acq: 10 Mar 2020 21:26

Tgt Ion: 62 Resp: 110589

Ion Ratio Lower Upper

62 100

64 31.6 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VN060433.D (-28) (-)

Ion 63.90 (63.60 to 64.60): VN060433.D (-28) (-)

2.16

80000

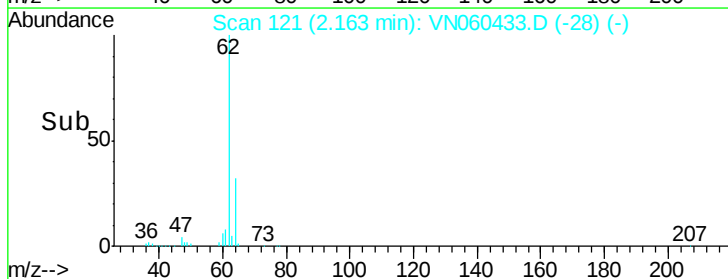
60000

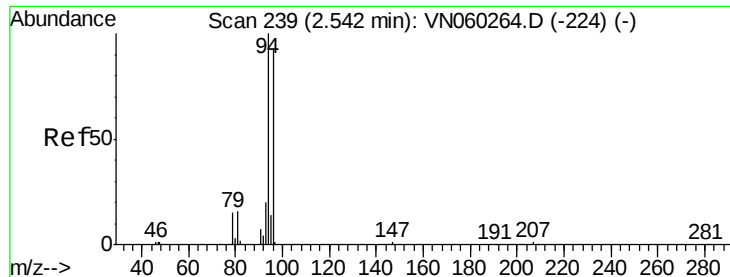
40000

20000

0

Time--> 2.10 2.15 2.20 2.25





#5

Bromomethane

Concen: 40.857 ug/l

RT: 2.54 min Scan# 237

Delta R.T. -0.01 min

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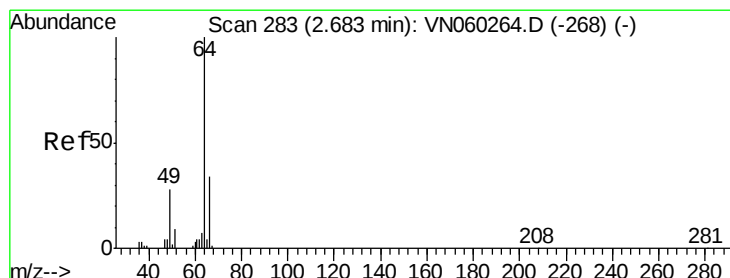
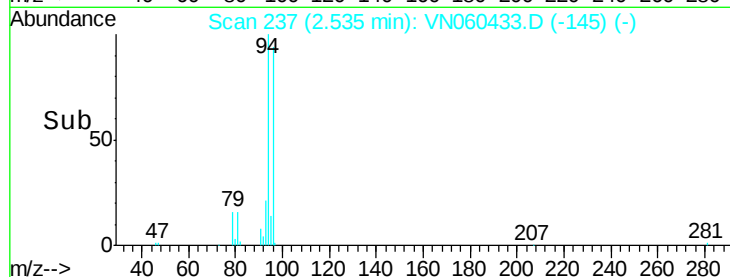
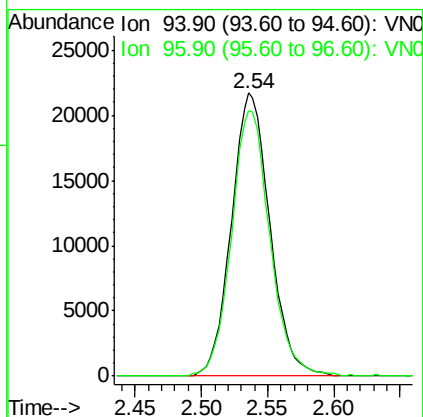
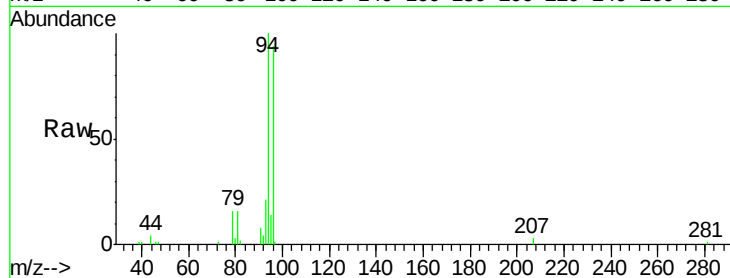
VSTDCCC050EC

Tgt Ion: 94 Resp: 43686

Ion Ratio Lower Upper

94 100

96 93.9 74.3 111.5



#6

Chloroethane

Concen: 42.889 ug/l

RT: 2.68 min Scan# 283

Delta R.T. 0.00 min

Lab File: VN060433.D

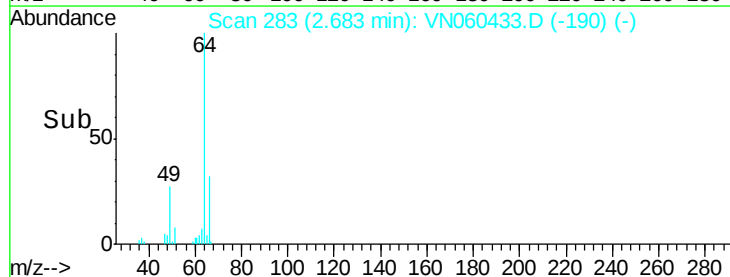
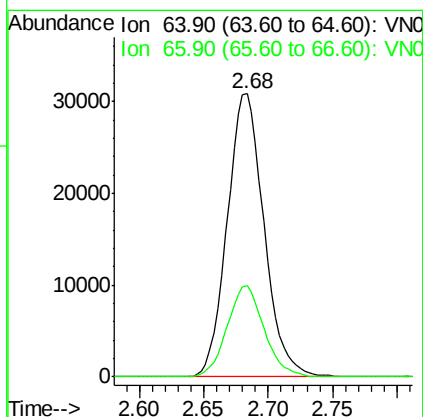
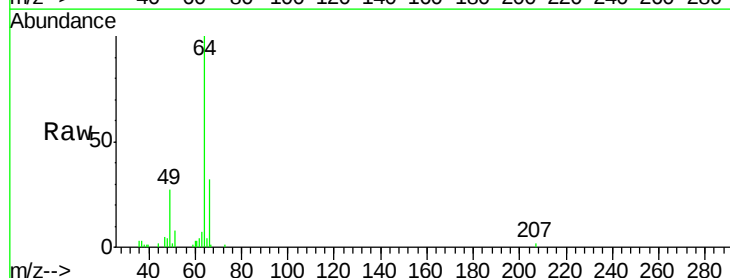
Acq: 10 Mar 2020 21:26

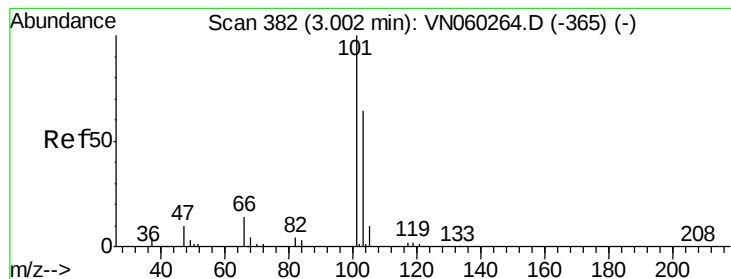
Tgt Ion: 64 Resp: 61070

Ion Ratio Lower Upper

64 100

66 32.3 27.4 41.2



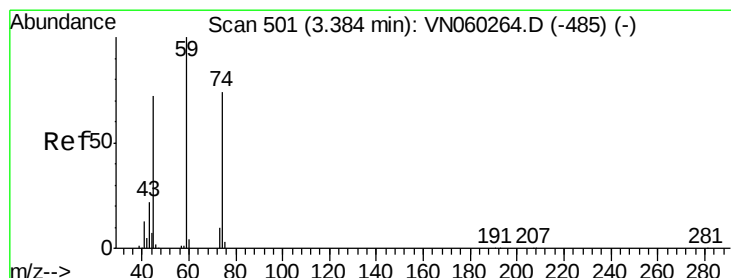
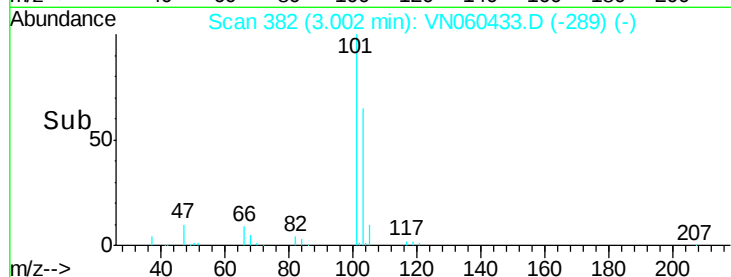
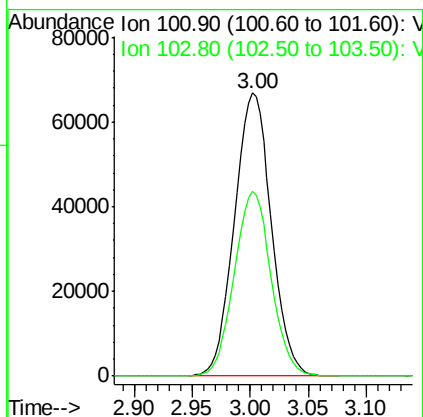
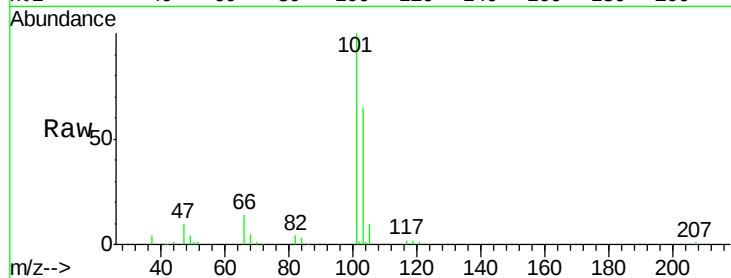


#7

Trichlorofluoromethane
 Concen: 43.944 ug/l
 RT: 3.00 min Scan# 382
 Delta R.T. 0.00 min
 Lab File: VN060433.D
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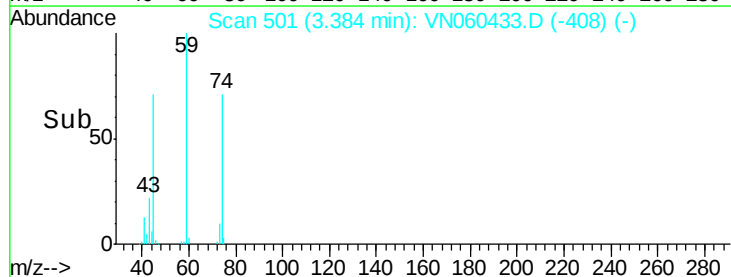
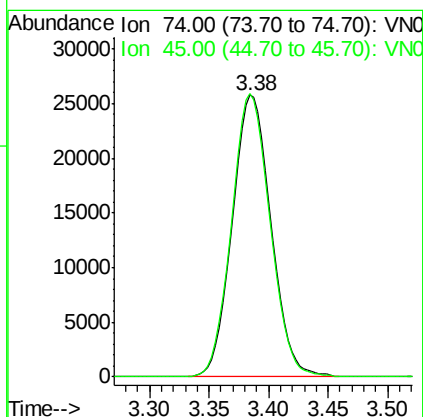
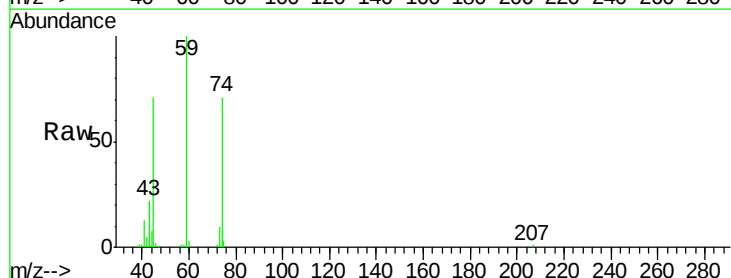
Tgt Ion:101 Resp: 147553
 Ion Ratio Lower Upper
 101 100
 103 65.1 51.3 76.9

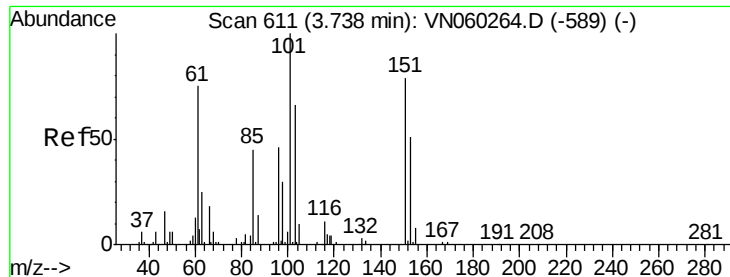


#8

Diethyl Ether
 Concen: 45.850 ug/l
 RT: 3.38 min Scan# 501
 Delta R.T. 0.00 min
 Lab File: VN060433.D
 Acq: 10 Mar 2020 21:26

Tgt Ion: 74 Resp: 58128
 Ion Ratio Lower Upper
 74 100
 45 100.0 49.5 148.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 45.456 ug/l

RT: 3.74 min Scan# 611

Delta R.T. 0.00 min

Lab File: VN060433.D

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ClientSampleId :

VSTDCCC050EC

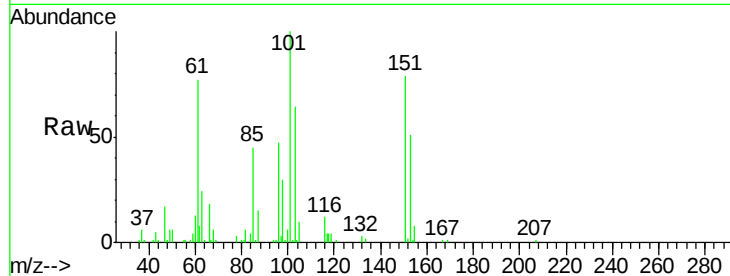
Tgt Ion:101 Resp: 86380

Ion Ratio Lower Upper

101 100

85 44.8 35.4 53.2

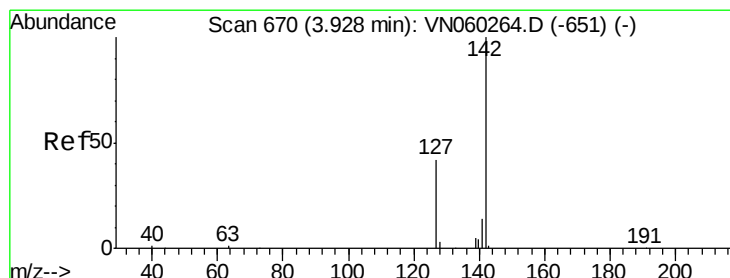
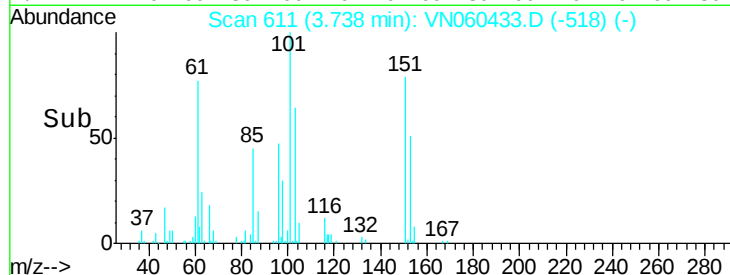
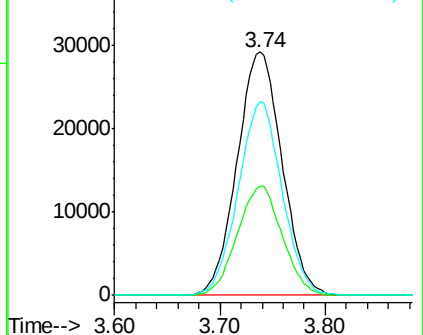
151 77.8 62.0 93.0



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 36.697 ug/l

RT: 3.93 min Scan# 670

Delta R.T. 0.00 min

Lab File: VN060433.D

Acq: 10 Mar 2020 21:26

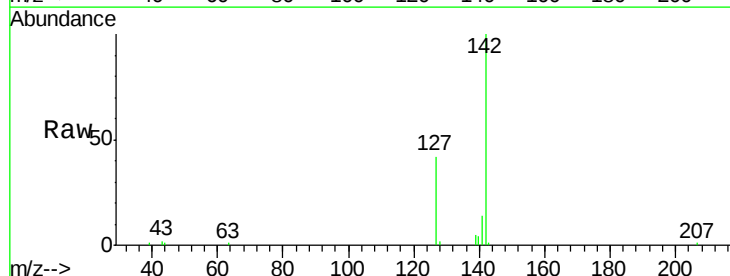
Tgt Ion:142 Resp: 63644

Ion Ratio Lower Upper

142 100

127 42.9 33.8 50.6

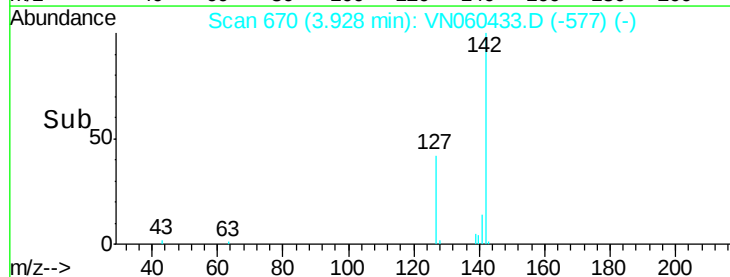
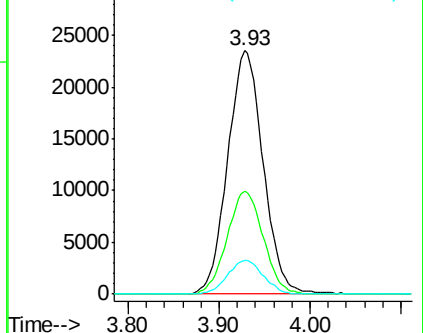
141 14.0 11.1 16.7

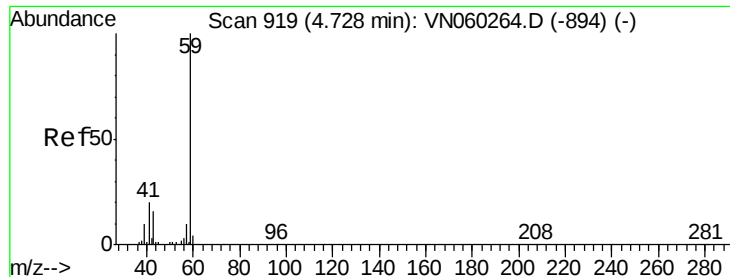


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

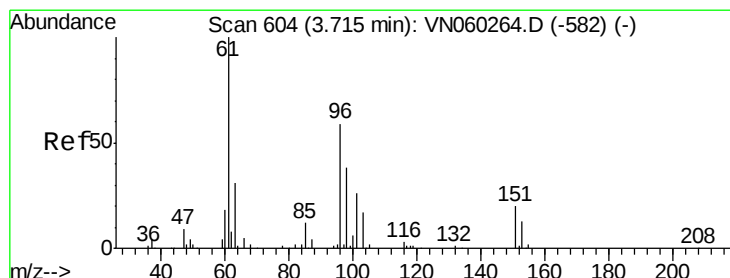
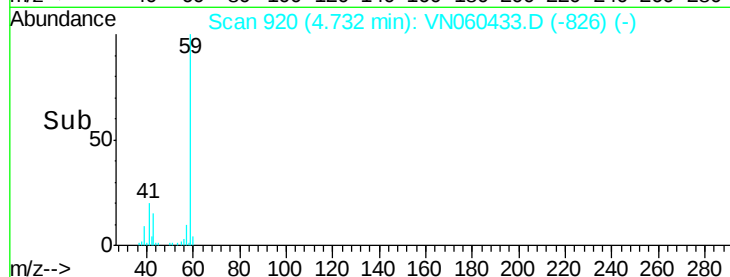
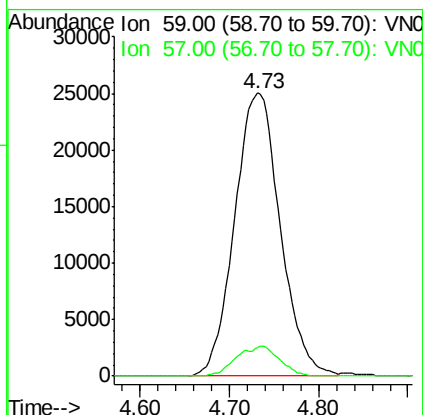
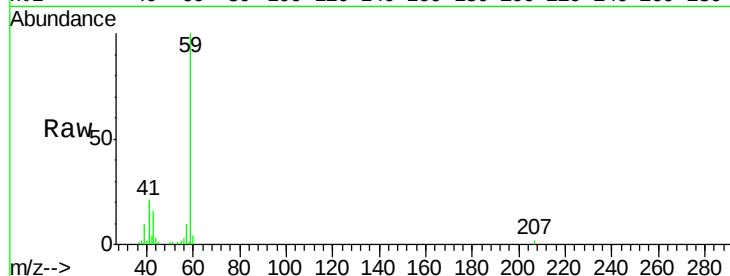




#11
Tert butyl alcohol
Concen: 243.601 ug/l
RT: 4.73 min Scan# 920
Delta R.T. 0.00 min
Lab File: VN060433.D
Acq: 10 Mar 2020 21:26

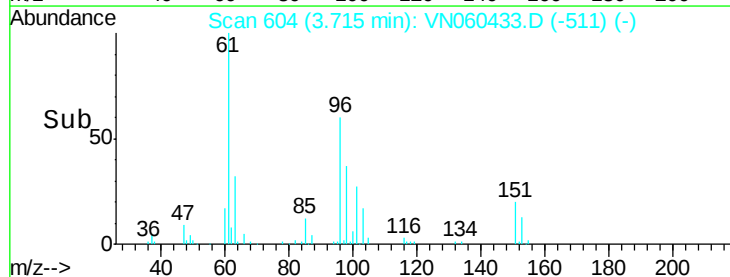
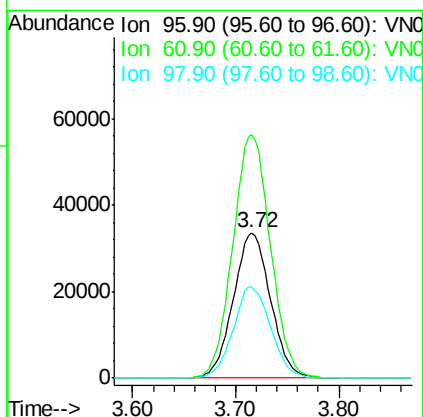
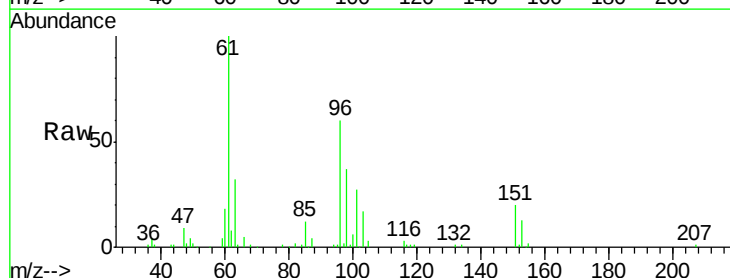
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

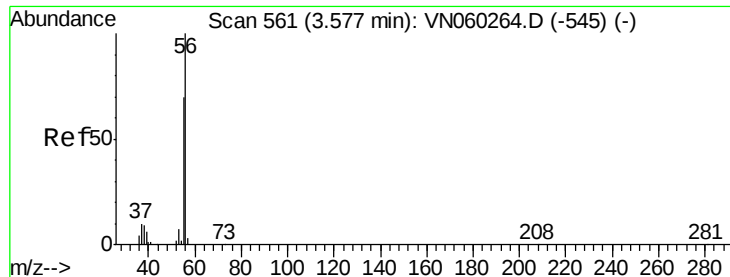
Tgt Ion: 59 Resp: 89093
Ion Ratio Lower Upper
59 100
57 10.0 8.2 12.2



#12
1,1-Dichloroethene
Concen: 45.762 ug/l
RT: 3.72 min Scan# 604
Delta R.T. 0.00 min
Lab File: VN060433.D
Acq: 10 Mar 2020 21:26

Tgt Ion: 96 Resp: 84413
Ion Ratio Lower Upper
96 100
61 167.3 135.4 203.0
98 62.5 51.6 77.4





#13

Acrolein

Concen: 263.974 ug/l

RT: 3.58 min Scan# 561

Delta R.T. 0.00 min

Lab File: VN060433.D

Acq: 10 Mar 2020 21:26

Instrument :

MSVOA_N

ClientSampleId :

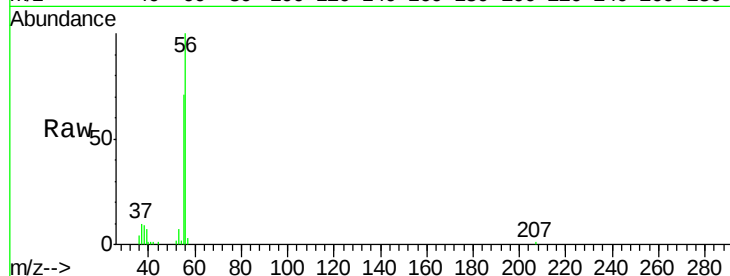
VSTDCCC050EC

Tgt Ion: 56 Resp: 90067

Ion Ratio Lower Upper

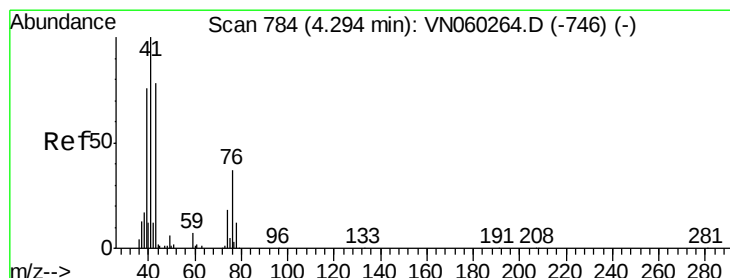
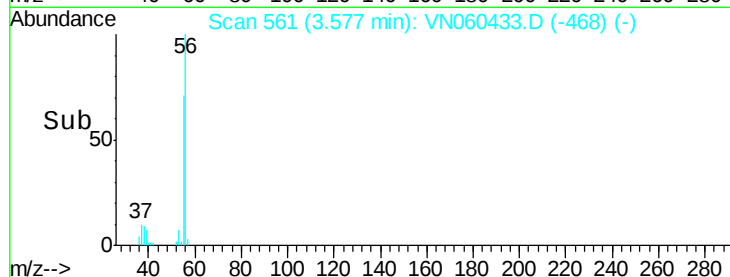
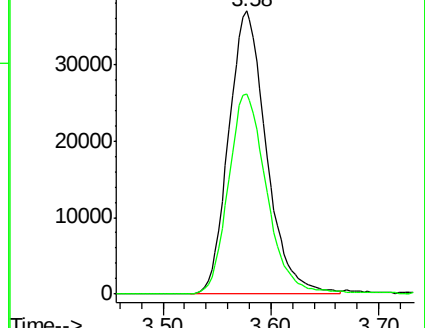
56 100

55 72.0 57.4 86.0



Abundance Ion 56.00 (55.70 to 56.70): VN060433.D (-545) (-)

Ion 55.00 (54.70 to 55.70): VN060433.D (-545) (-)



#14

Allyl chloride

Concen: 42.862 ug/l

RT: 4.29 min Scan# 784

Delta R.T. 0.00 min

Lab File: VN060433.D

Acq: 10 Mar 2020 21:26

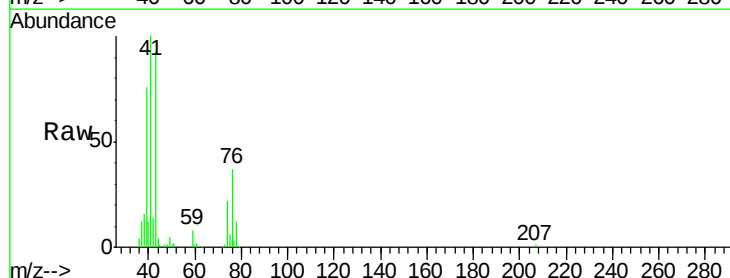
Tgt Ion: 41 Resp: 145757

Ion Ratio Lower Upper

41 100

39 76.8 55.4 83.2

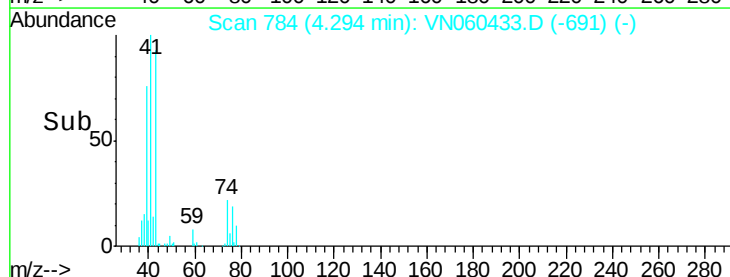
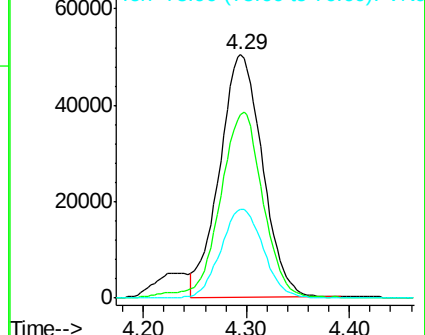
76 36.4 27.0 40.6

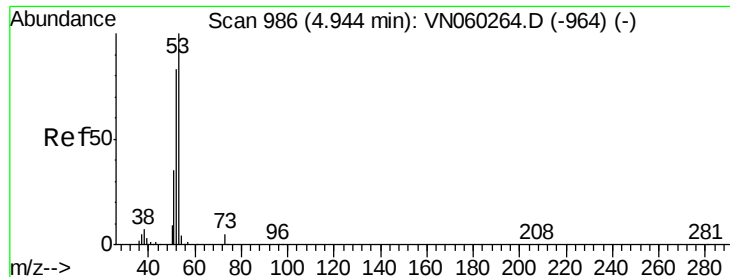


Abundance Ion 41.00 (40.70 to 41.70): VN060433.D (-746) (-)

Ion 39.00 (38.70 to 39.70): VN060433.D (-746) (-)

Ion 75.90 (75.60 to 76.60): VN060433.D (-746) (-)





#15

Acrylonitrile

Concen: 263.941 ug/l

RT: 4.94 min Scan# 986

Delta R.T. 0.00 min

Lab File: VN060433.D

Acq: 10 Mar 2020 21:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

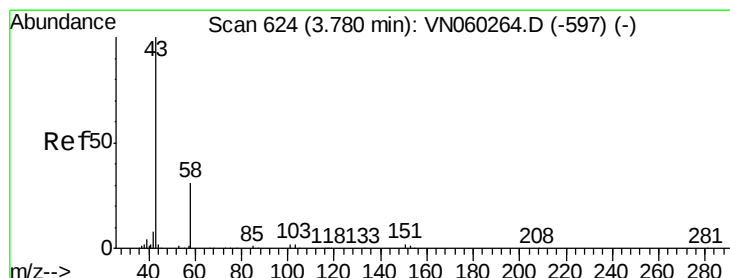
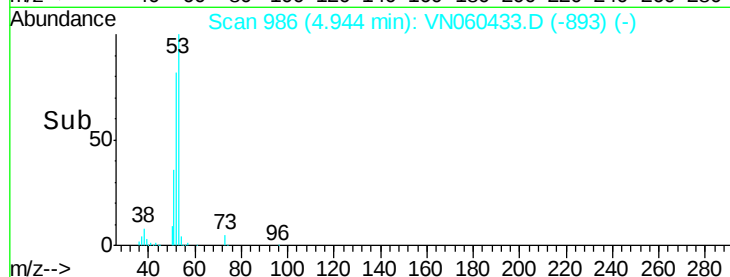
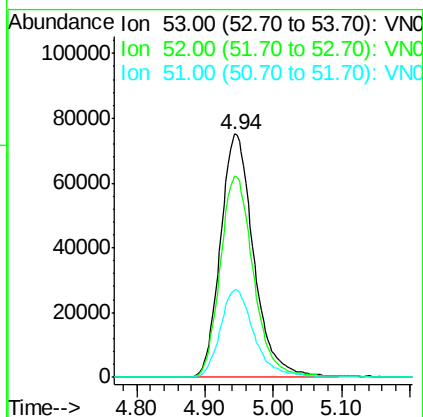
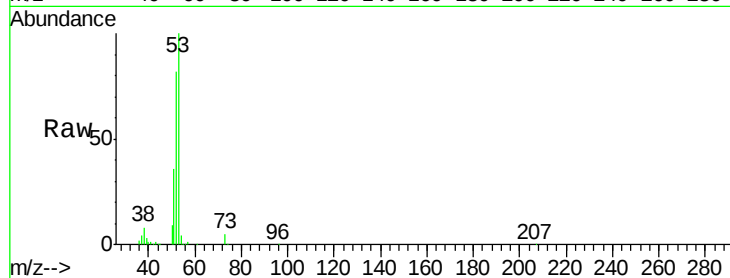
Tgt Ion: 53 Resp: 254440

Ion Ratio Lower Upper

53 100

52 82.6 66.8 100.2

51 36.8 29.0 43.6



#16

Acetone

Concen: 261.319 ug/l

RT: 3.78 min Scan# 624

Delta R.T. 0.00 min

Lab File: VN060433.D

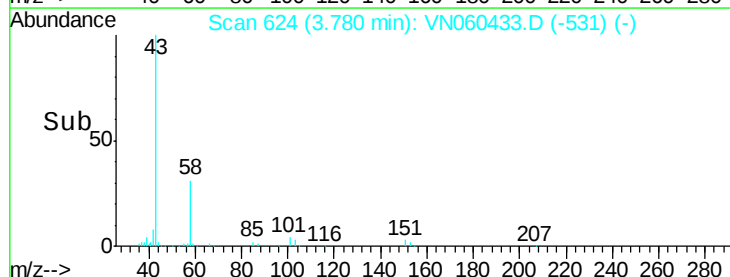
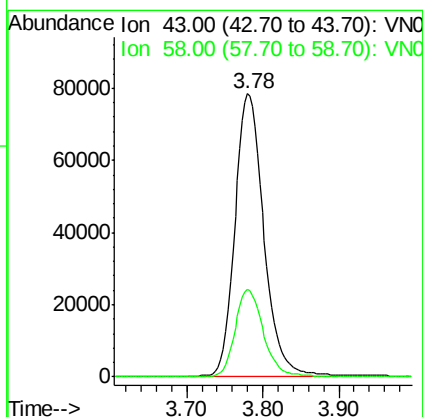
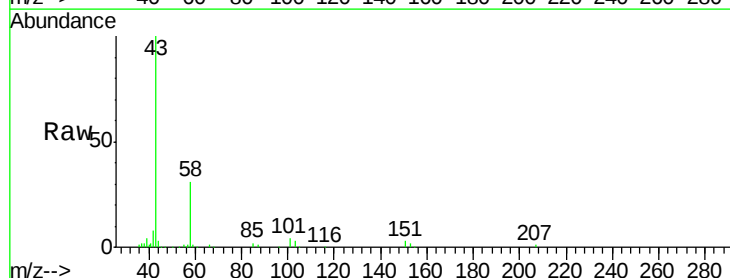
Acq: 10 Mar 2020 21:26

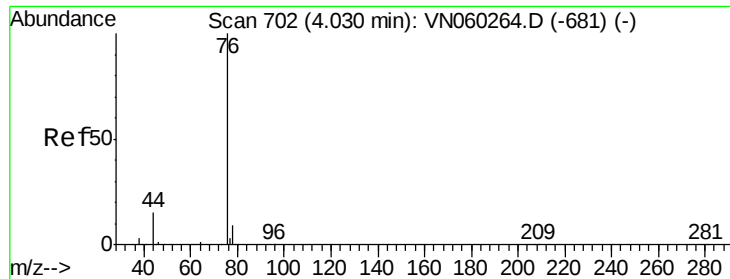
Tgt Ion: 43 Resp: 207853

Ion Ratio Lower Upper

43 100

58 30.7 24.6 36.8

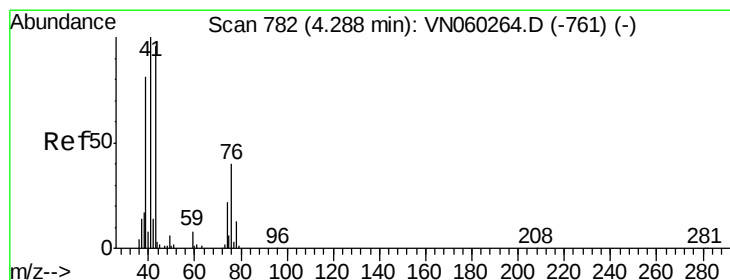
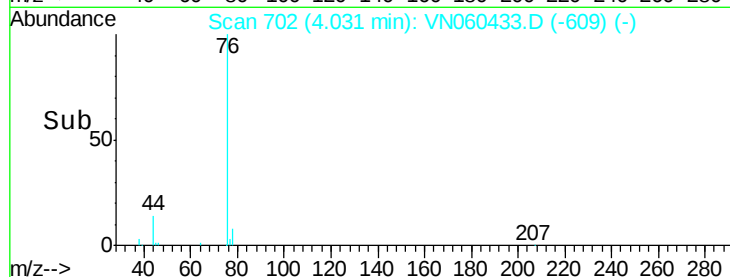
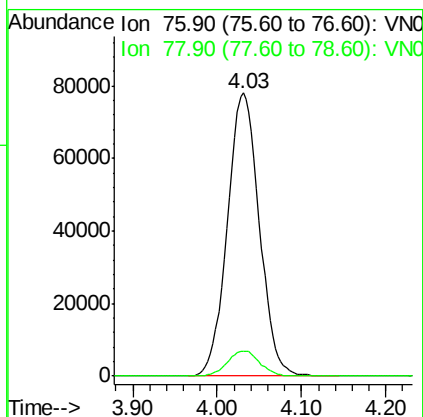
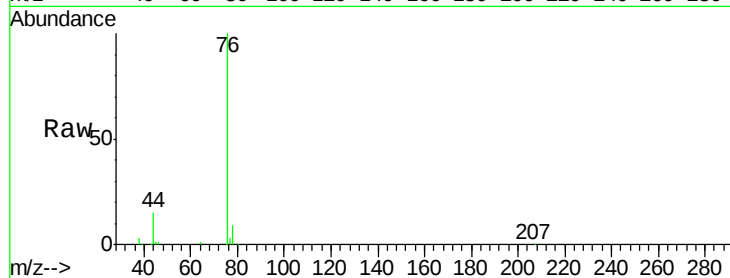




#17
Carbon Disulfide
Concen: 41.849 ug/l
RT: 4.03 min Scan# 702
Delta R.T. 0.00 min
Lab File: VN060433.D
Acq: 10 Mar 2020 21:26

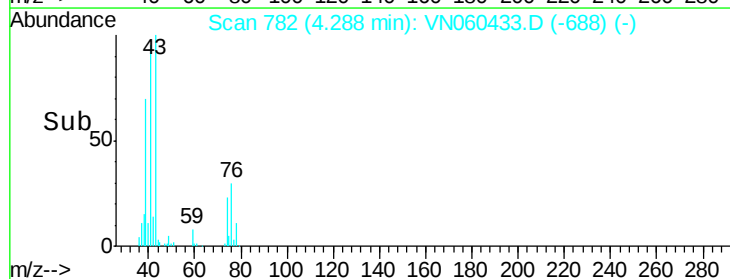
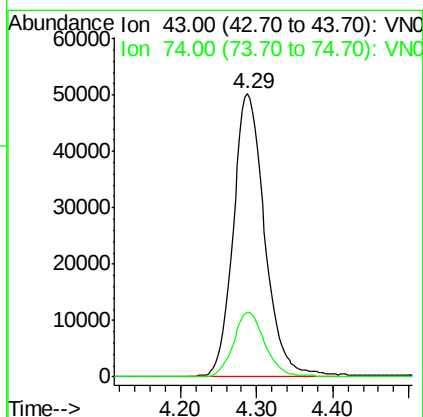
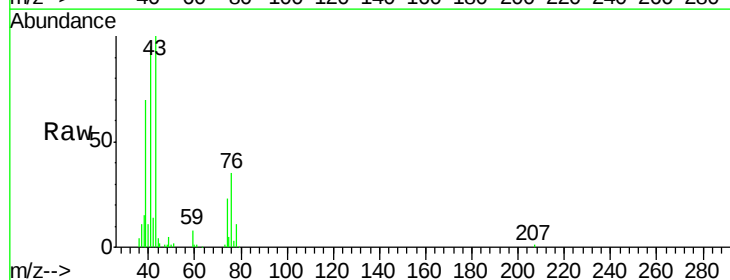
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

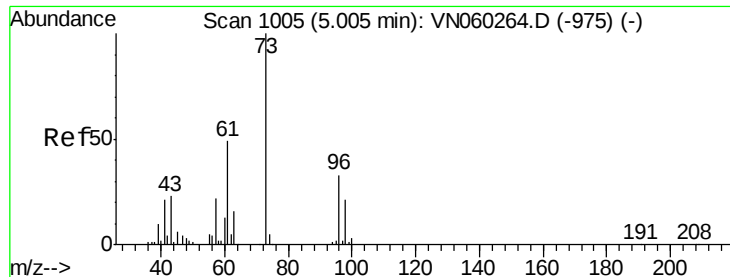
Tgt Ion: 76 Resp: 205389
Ion Ratio Lower Upper
76 100
78 8.9 7.4 11.0



#18
Methyl Acetate
Concen: 54.491 ug/l
RT: 4.29 min Scan# 782
Delta R.T. 0.00 min
Lab File: VN060433.D
Acq: 10 Mar 2020 21:26

Tgt Ion: 43 Resp: 144640
Ion Ratio Lower Upper
43 100
74 22.8 18.8 28.2

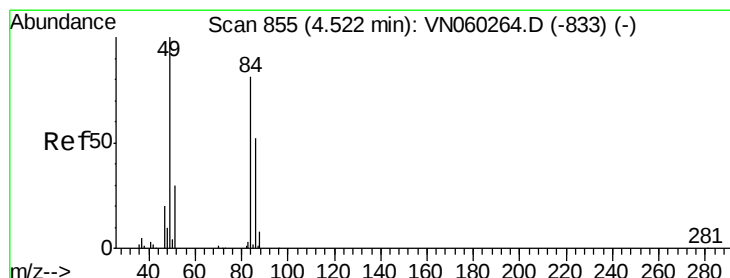
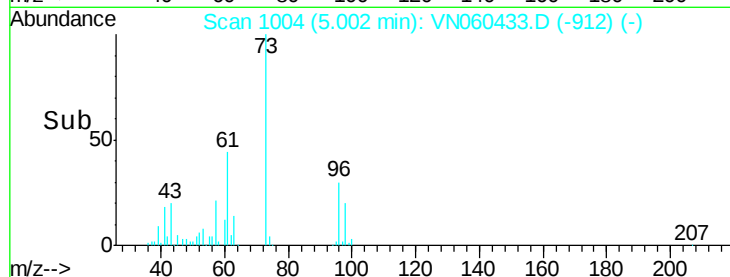
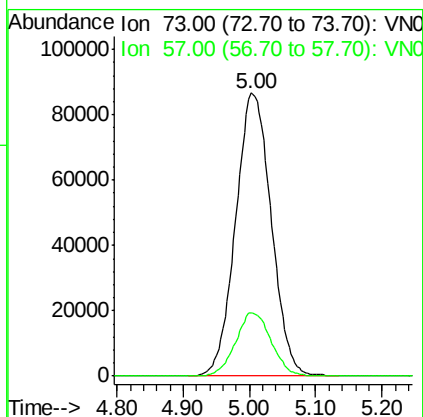
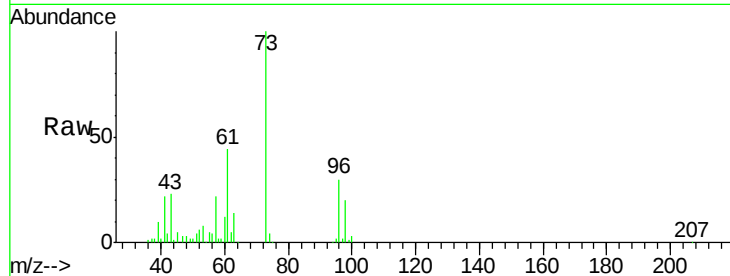




#19
Methyl tert-butyl Ether
Concen: 48.331 ug/l
RT: 5.00 min Scan# 1004
Delta R.T. -0.00 min
Lab File: VN060433.D
Acq: 10 Mar 2020 21:26

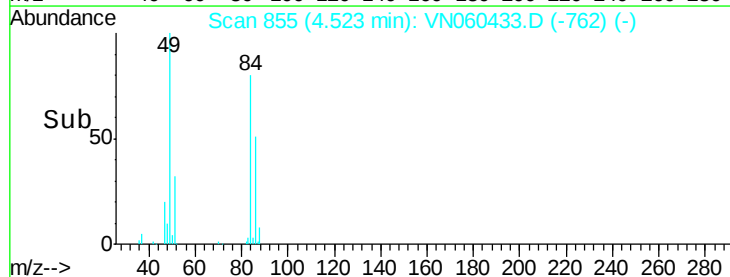
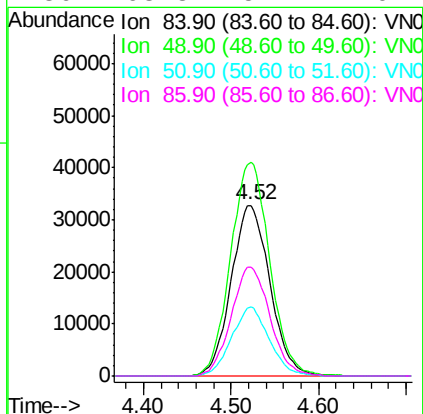
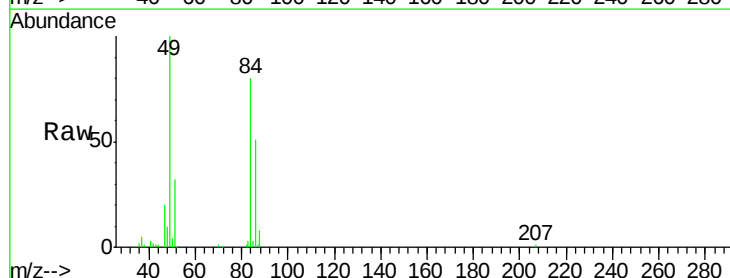
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

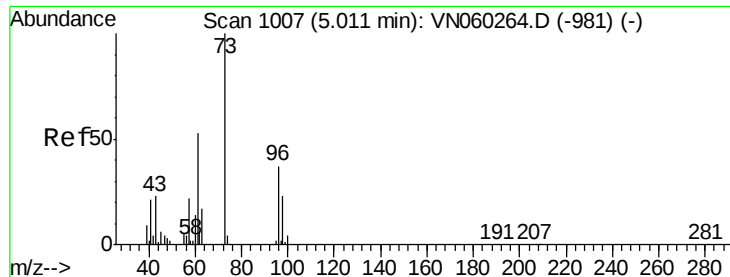
Tgt Ion: 73 Resp: 323636
Ion Ratio Lower Upper
73 100
57 22.5 17.3 25.9



#20
Methylene Chloride
Concen: 46.066 ug/l
RT: 4.52 min Scan# 855
Delta R.T. 0.00 min
Lab File: VN060433.D
Acq: 10 Mar 2020 21:26

Tgt Ion: 84 Resp: 100627
Ion Ratio Lower Upper
84 100
49 125.4 99.3 148.9
51 40.5 30.1 45.1
86 63.8 51.1 76.7





#21

trans-1,2-Dichloroethene

Concen: 45.547 ug/l

RT: 5.01 min Scan# 1006

Delta R.T. -0.00 min

Lab File: VN060433.D

Acq: 10 Mar 2020 21:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

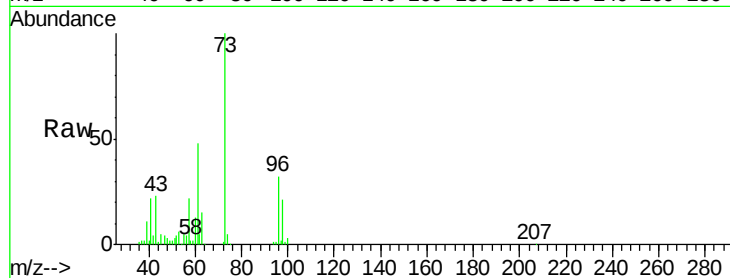
Tgt Ion: 96 Resp: 90329

Ion Ratio Lower Upper

96 100

61 148.7 113.8 170.8

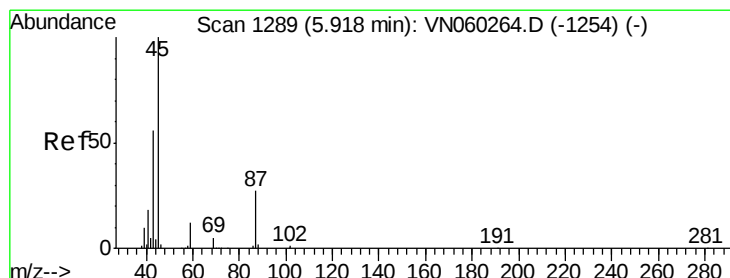
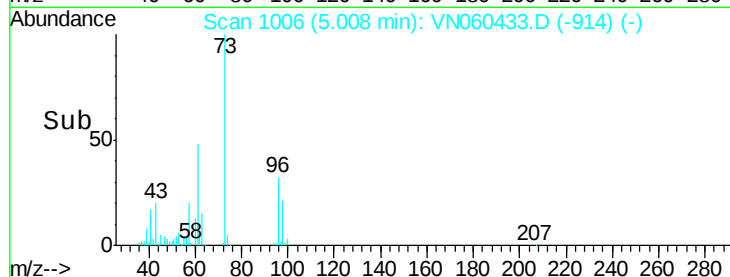
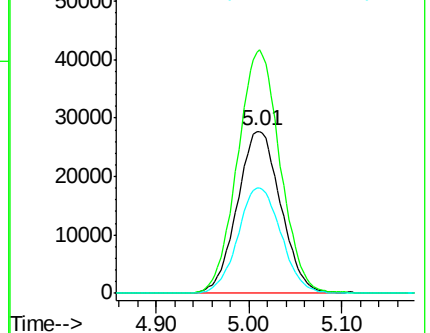
98 65.0 48.8 73.2



Abundance Ion 95.90 (95.60 to 96.60): VN060433.D (-1196) (-)

Ion 60.90 (60.60 to 61.60): VN060433.D (-1196) (-)

Ion 97.90 (97.60 to 98.60): VN060433.D (-1196) (-)



#22

Diisopropyl ether

Concen: 51.018 ug/l

RT: 5.92 min Scan# 1289

Delta R.T. 0.00 min

Lab File: VN060433.D

Acq: 10 Mar 2020 21:26

Tgt Ion: 45 Resp: 351425

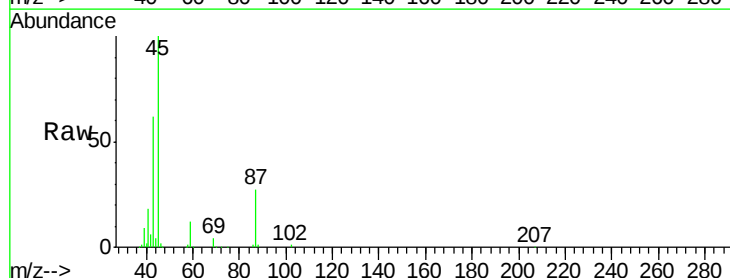
Ion Ratio Lower Upper

45 100

43 61.7 48.6 72.8

87 26.9 22.2 33.2

59 11.9 9.5 14.3

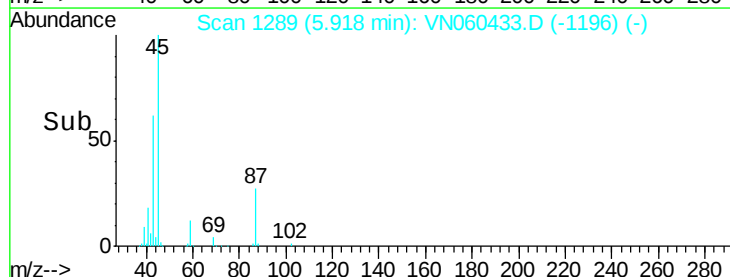
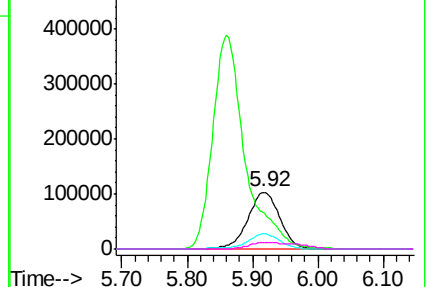


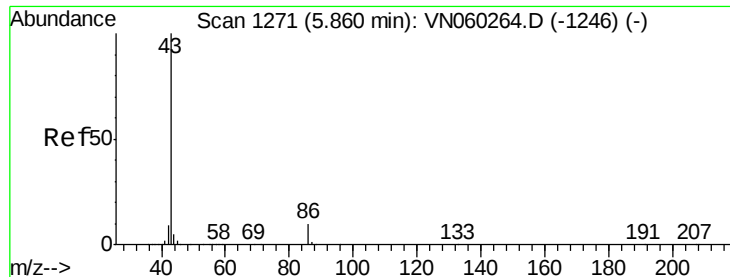
Abundance Ion 45.00 (44.70 to 45.70): VN060433.D (-1196) (-)

Ion 43.00 (42.70 to 43.70): VN060433.D (-1196) (-)

Ion 87.00 (86.70 to 87.70): VN060433.D (-1196) (-)

Ion 59.00 (58.70 to 59.70): VN060433.D (-1196) (-)

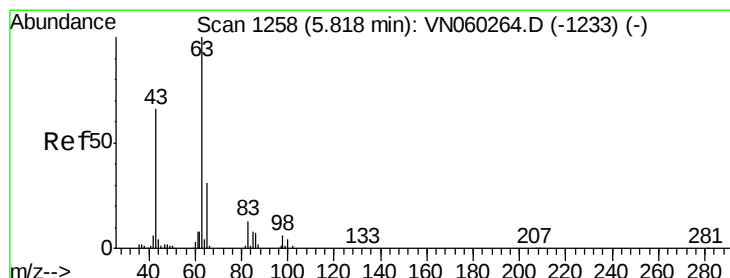
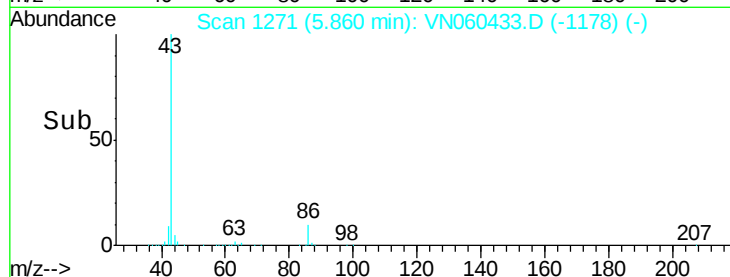
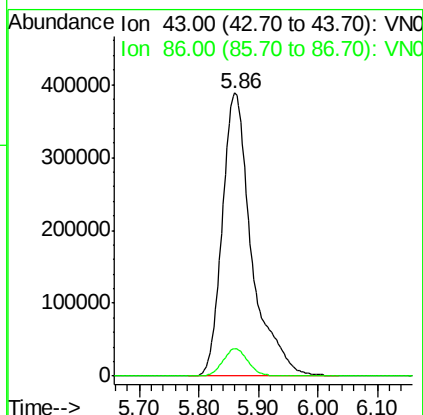
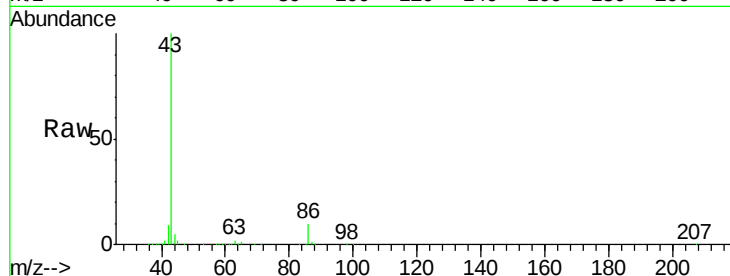




#23
 Vinyl Acetate
 Concen: 243.614 ug/l
 RT: 5.86 min Scan# 1271
 Delta R.T. 0.00 min
 Lab File: VN060433.D
 Acq: 10 Mar 2020 21:26

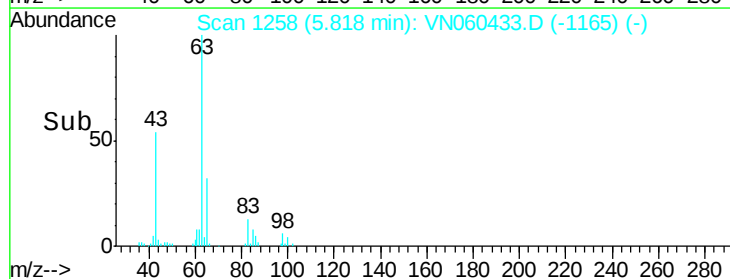
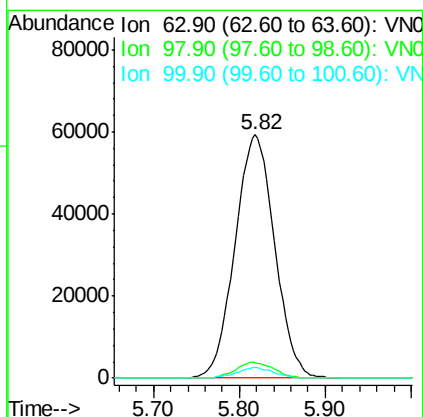
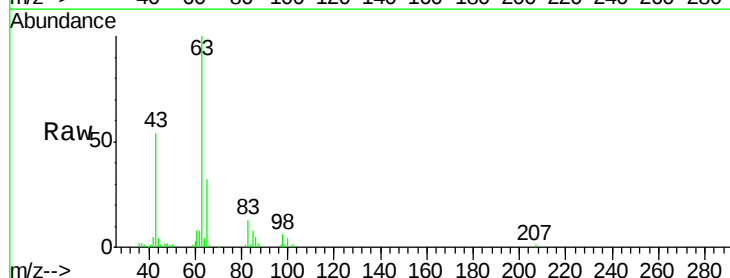
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

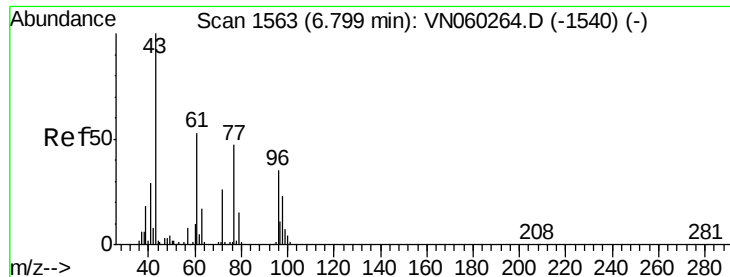
Tgt Ion: 43 Resp: 1333444
 Ion Ratio Lower Upper
 43 100
 86 9.8 8.0 12.0



#24
 1,1-Dichloroethane
 Concen: 48.692 ug/l
 RT: 5.82 min Scan# 1258
 Delta R.T. 0.00 min
 Lab File: VN060433.D
 Acq: 10 Mar 2020 21:26

Tgt Ion: 63 Resp: 189859
 Ion Ratio Lower Upper
 63 100
 98 6.3 3.0 9.0
 100 4.2 2.0 6.0

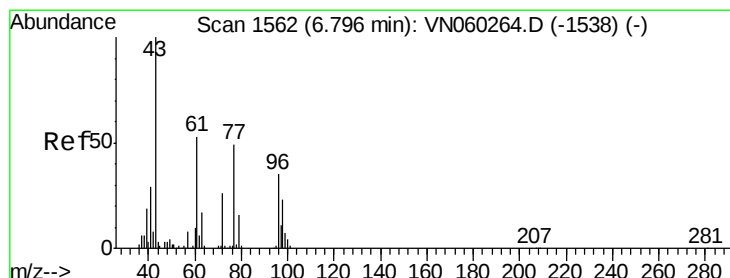
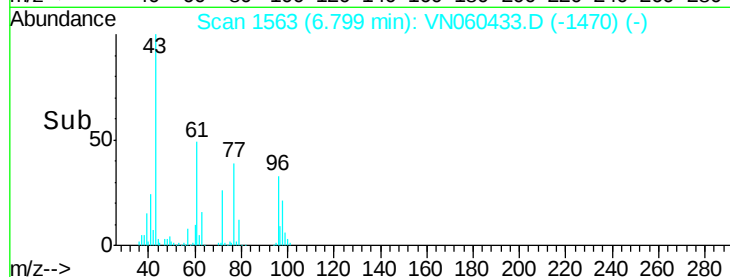
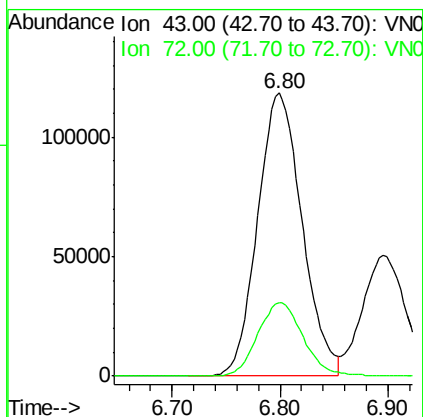
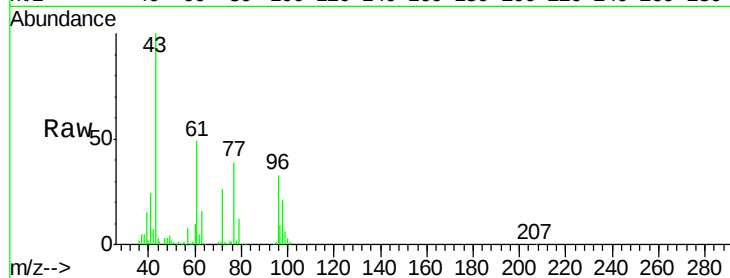




#25
 2-Butanone
 Concen: 263.411 ug/l
 RT: 6.80 min Scan# 1563
 Delta R.T. 0.00 min
 Lab File: VN060433.D
 Acq: 10 Mar 2020 21:26

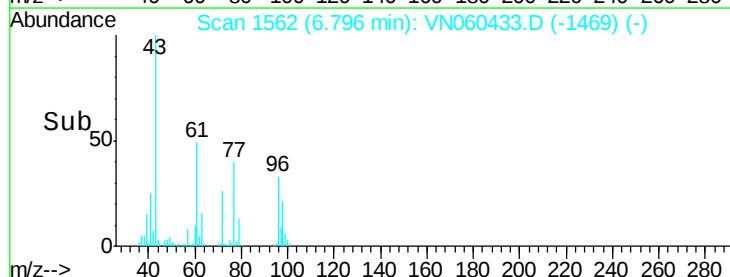
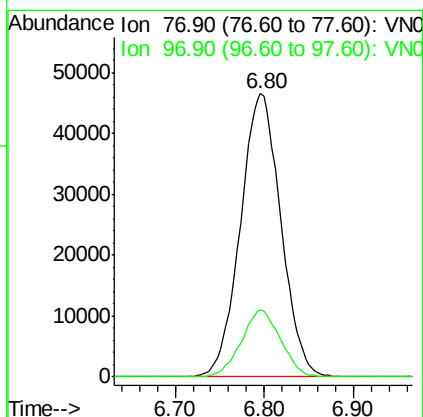
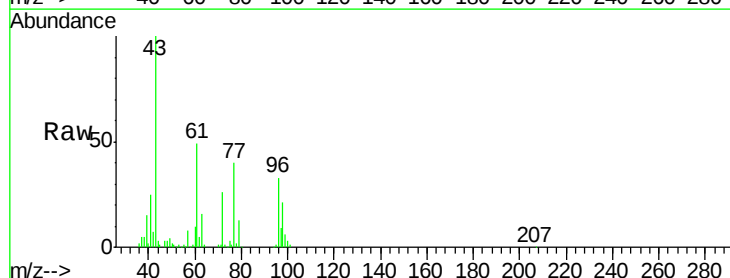
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

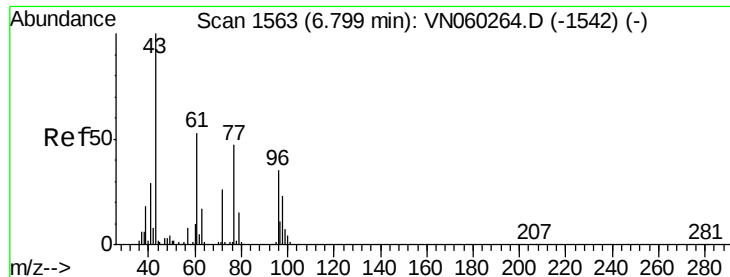
Tgt Ion: 43 Resp: 338419
 Ion Ratio Lower Upper
 43 100
 72 26.0 20.9 31.3



#26
 2,2-Dichloropropane
 Concen: 41.310 ug/l
 RT: 6.80 min Scan# 1562
 Delta R.T. 0.00 min
 Lab File: VN060433.D
 Acq: 10 Mar 2020 21:26

Tgt Ion: 77 Resp: 146638
 Ion Ratio Lower Upper
 77 100
 97 22.9 11.2 33.6





#27

cis-1,2-Dichloroethene

Concen: 45.137 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VN060433.D

Acq: 10 Mar 2020 21:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

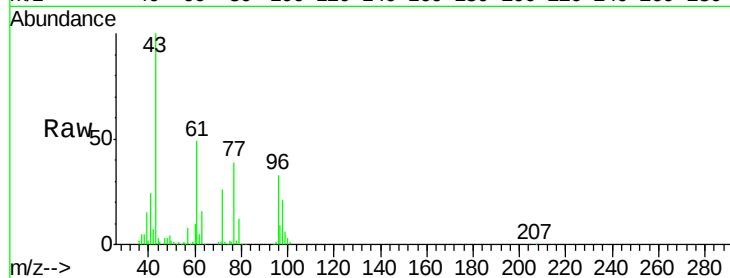
Tgt Ion: 96 Resp: 114331

Ion Ratio Lower Upper

96 100

61 149.5 0.0 300.8

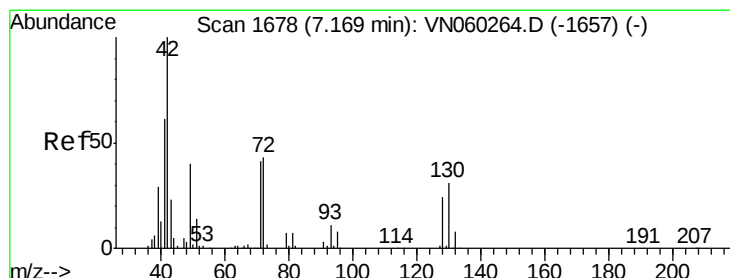
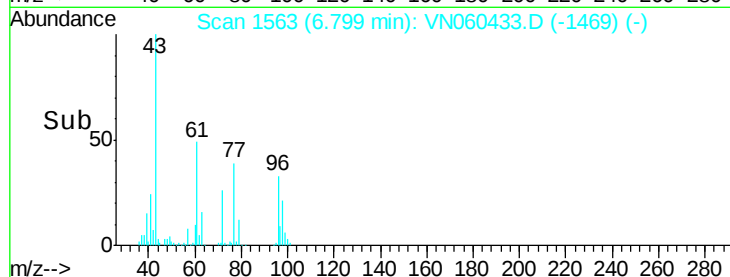
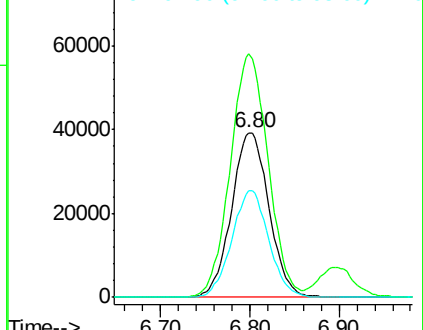
98 63.9 0.0 128.2



Abundance Ion 95.90 (95.60 to 96.60): VN060433.D (-1469) (-)

Ion 60.90 (60.60 to 61.60): VN060433.D (-1469) (-)

Ion 97.90 (97.60 to 98.60): VN060433.D (-1469) (-)



#28

Bromochloromethane

Concen: 48.721 ug/l

RT: 7.17 min Scan# 1678

Delta R.T. 0.00 min

Lab File: VN060433.D

Acq: 10 Mar 2020 21:26

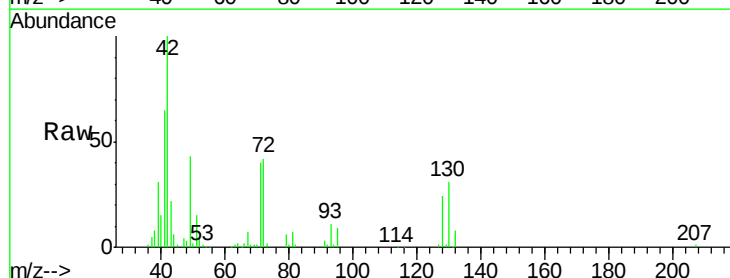
Tgt Ion: 49 Resp: 77999

Ion Ratio Lower Upper

49 100

129 1.9 0.0 3.8

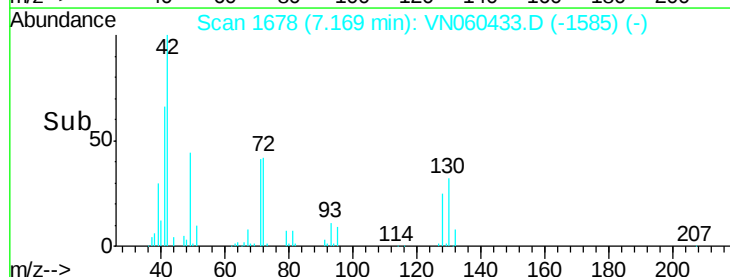
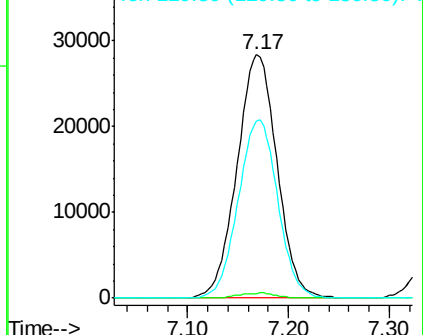
130 72.2 59.8 89.8

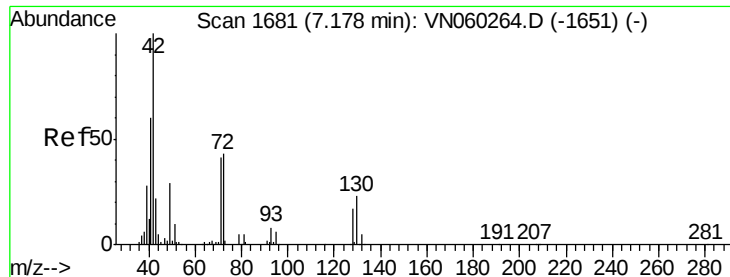


Abundance Ion 48.90 (48.60 to 49.60): VN060433.D (-1585) (-)

Ion 128.80 (128.50 to 129.50): VN060433.D (-1585) (-)

Ion 129.80 (129.50 to 130.50): VN060433.D (-1585) (-)





#29

Tetrahydrofuran

Concen: 253.971 ug/l

RT: 7.18 min Scan# 1682

Delta R.T. 0.00 min

Lab File: VN060433.D

Acq: 10 Mar 2020 21:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

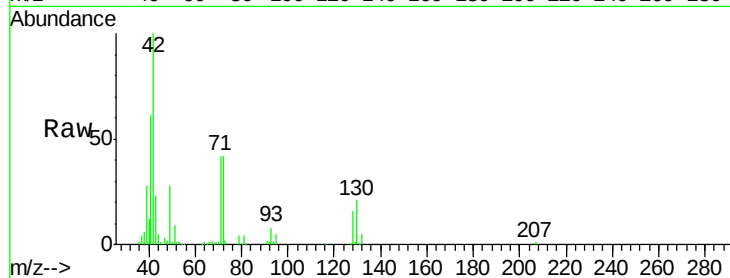
Tgt Ion: 42 Resp: 226896

Ion Ratio Lower Upper

42 100

72 42.2 34.6 52.0

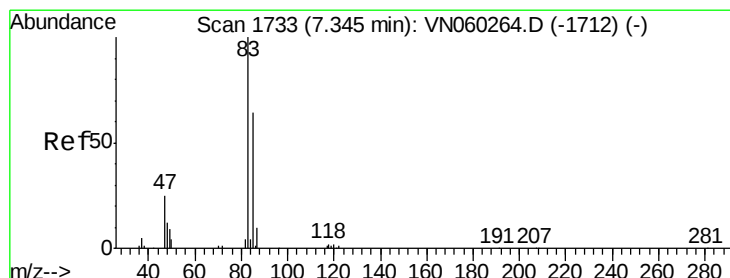
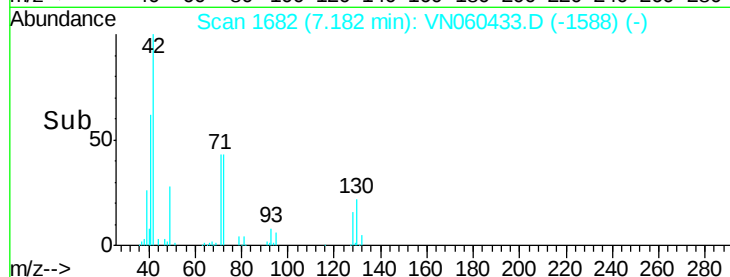
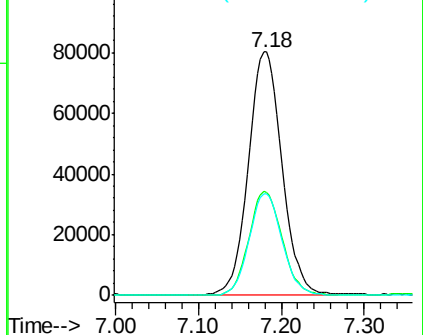
71 40.8 32.9 49.3



Abundance Ion 42.00 (41.70 to 42.70): VN060433.D (-1682) (-)

Ion 72.00 (71.70 to 72.70): VN060433.D (-1682) (-)

Ion 71.00 (70.70 to 71.70): VN060433.D (-1682) (-)



#30

Chloroform

Concen: 49.278 ug/l

RT: 7.35 min Scan# 1734

Delta R.T. 0.00 min

Lab File: VN060433.D

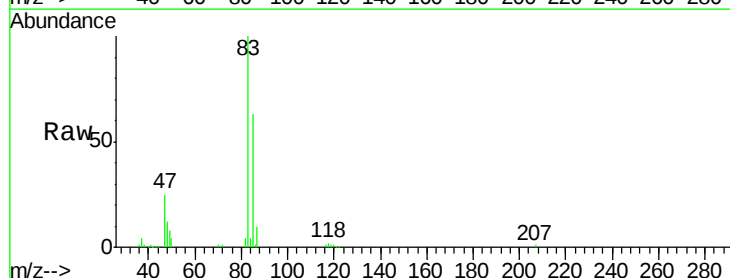
Acq: 10 Mar 2020 21:26

Tgt Ion: 83 Resp: 191276

Ion Ratio Lower Upper

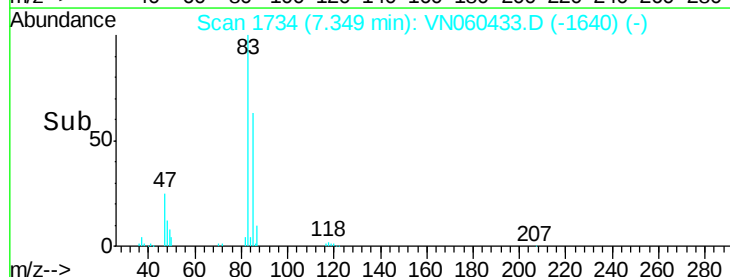
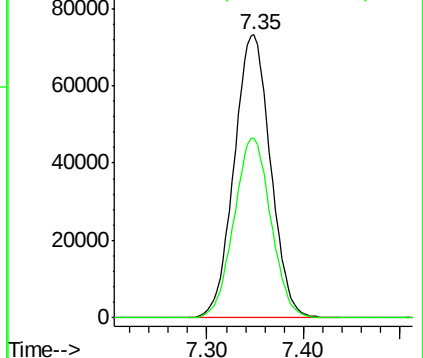
83 100

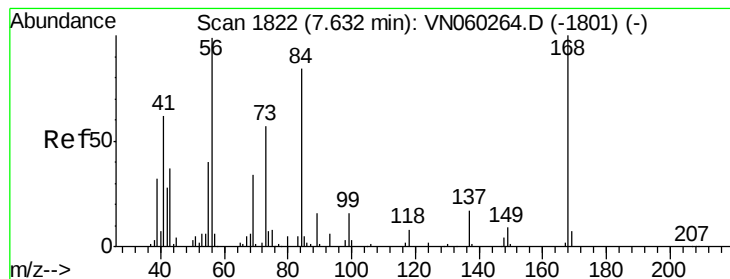
85 63.5 51.4 77.2



Abundance Ion 82.90 (82.60 to 83.60): VN060433.D (-1734) (-)

Ion 84.90 (84.60 to 85.60): VN060433.D (-1734) (-)





#31

Cyclohexane

Concen: 48.107 ug/l

RT: 7.63 min Scan# 1823

Delta R.T. 0.00 min

Lab File: VN060433.D

Acq: 10 Mar 2020 21:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

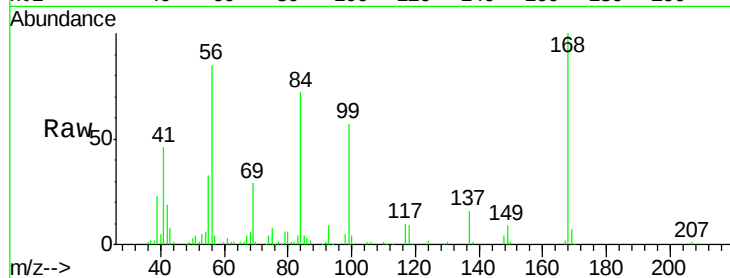
Tgt Ion: 56 Resp: 160238

Ion Ratio Lower Upper

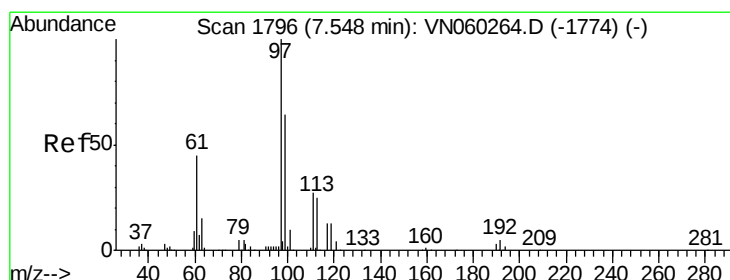
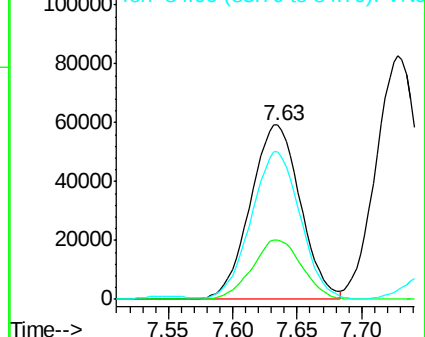
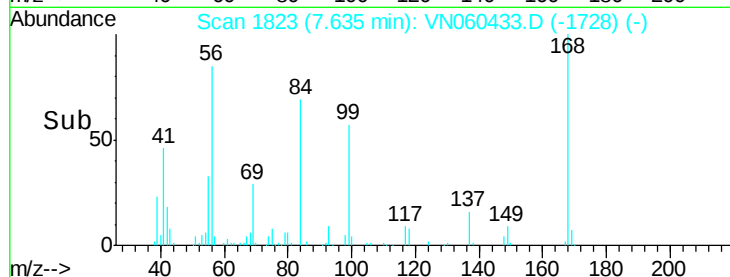
56 100

69 33.9 27.2 40.8

84 83.9 66.7 100.1



Abundance Ion 56.00 (55.70 to 56.70): VN060433.D (-1728) (-)



#32

1,1,1-Trichloroethane

Concen: 48.345 ug/l

RT: 7.55 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VN060433.D

Acq: 10 Mar 2020 21:26

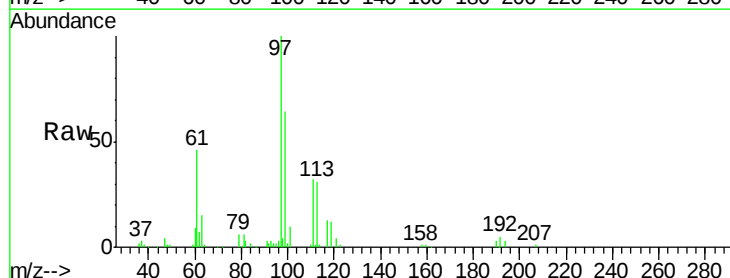
Tgt Ion: 97 Resp: 166261

Ion Ratio Lower Upper

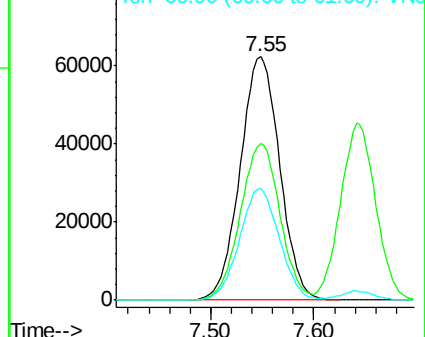
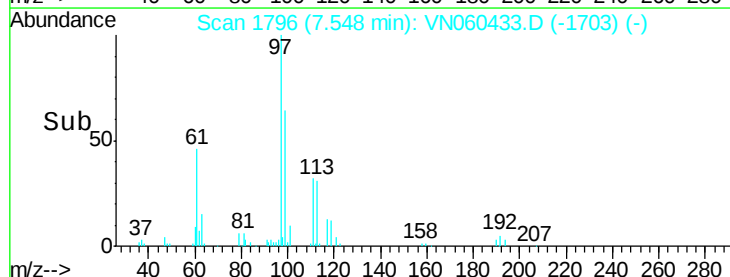
97 100

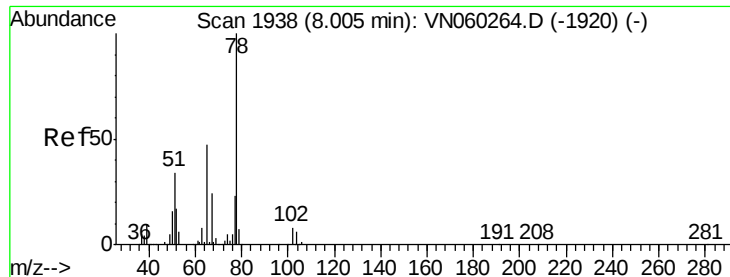
99 64.6 51.4 77.0

61 46.1 36.6 55.0



Abundance Ion 96.90 (96.60 to 97.60): VN060433.D (-1703) (-)

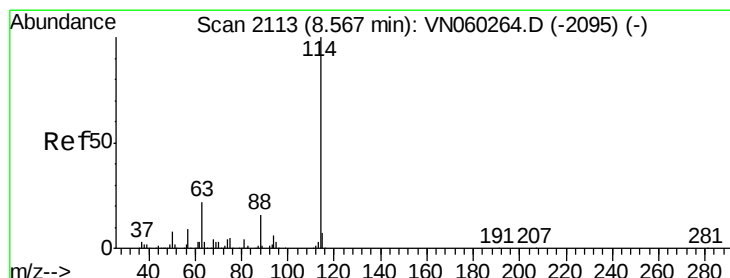
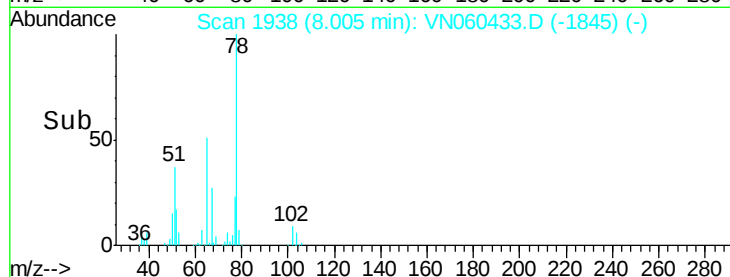
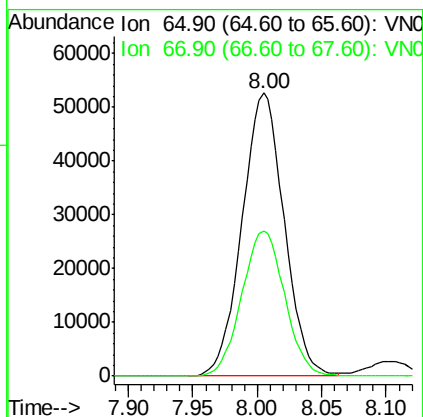
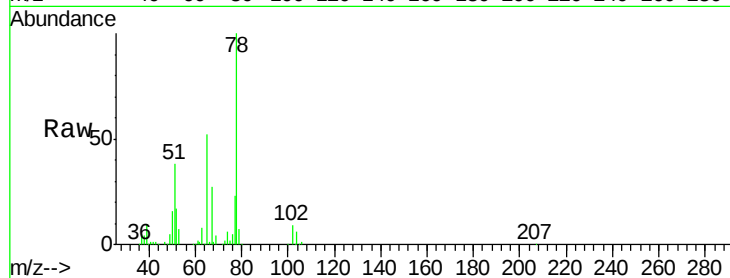




#33
 1,2-Dichloroethane-d4
 Concen: 48.612 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. 0.00 min
 Lab File: VN060433.D
 Acq: 10 Mar 2020 21:26

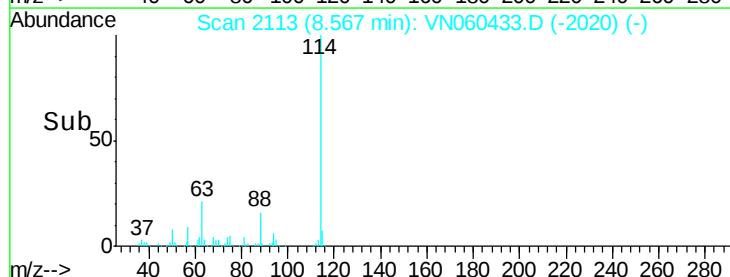
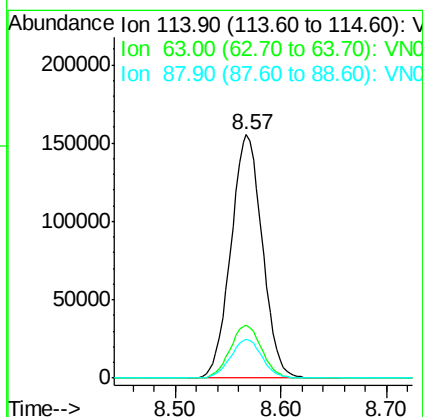
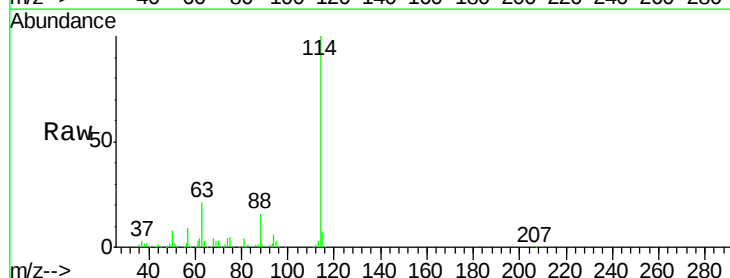
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

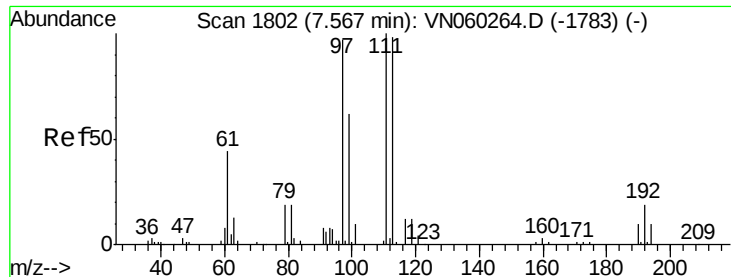
Tgt Ion: 65 Resp: 119735
 Ion Ratio Lower Upper
 65 100
 67 52.4 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VN060433.D
 Acq: 10 Mar 2020 21:26

Tgt Ion: 114 Resp: 319588
 Ion Ratio Lower Upper
 114 100
 63 21.5 0.0 43.2
 88 15.9 0.0 31.6

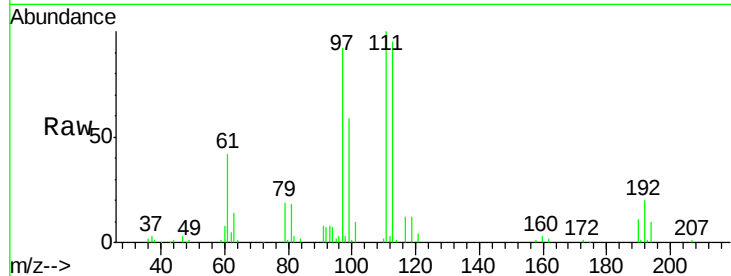




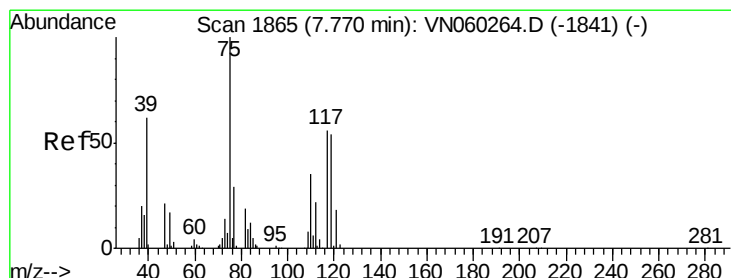
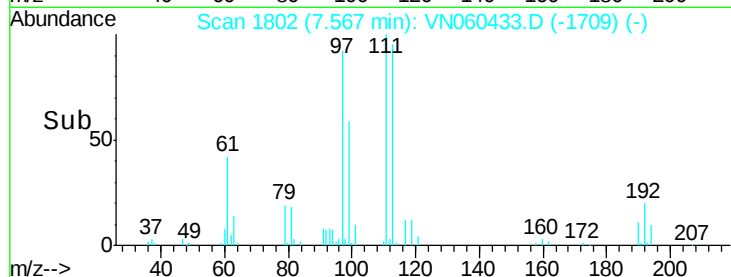
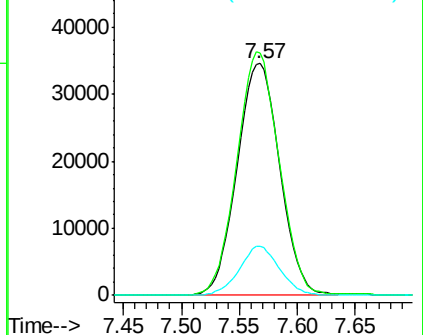
#35
 Dibromofluoromethane
 Concen: 59.775 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. 0.00 min
 Lab File: VN060433.D
 Acq: 10 Mar 2020 21:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion: 113 Resp: 88672
 Ion Ratio Lower Upper
 113 100
 111 103.6 82.4 123.6
 192 19.9 16.2 24.2

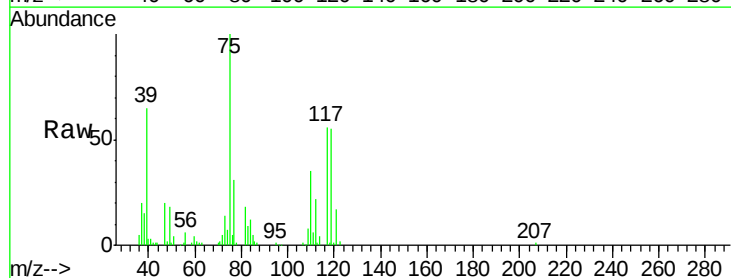


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

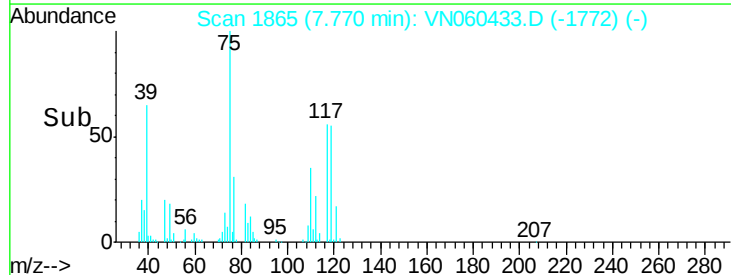
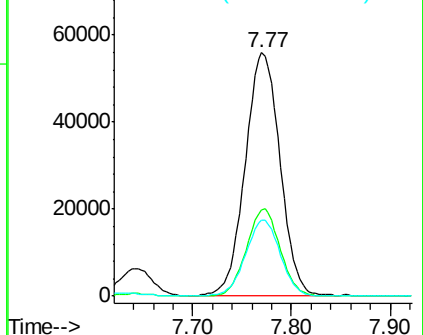


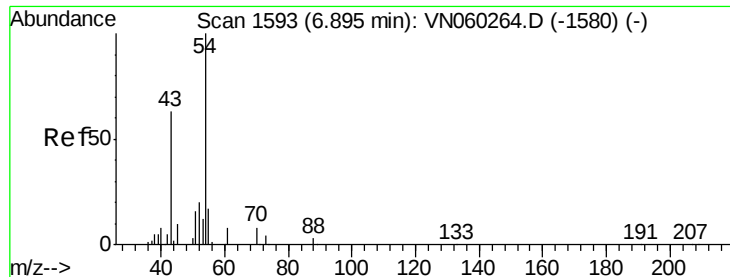
#36
 1,1-Dichloropropene
 Concen: 44.885 ug/l
 RT: 7.77 min Scan# 1865
 Delta R.T. 0.00 min
 Lab File: VN060433.D
 Acq: 10 Mar 2020 21:26

Tgt Ion: 75 Resp: 136713
 Ion Ratio Lower Upper
 75 100
 110 34.4 17.3 52.0
 77 31.2 24.2 36.2



Abundance Ion 74.90 (74.60 to 75.60): V
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): V

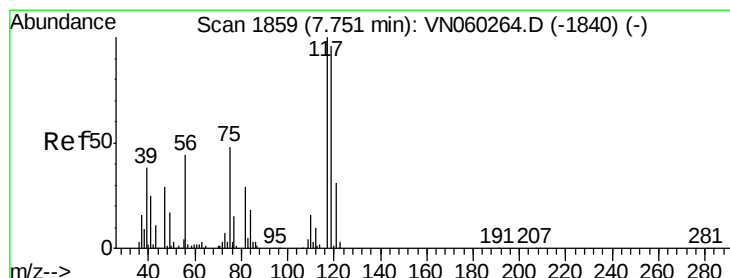
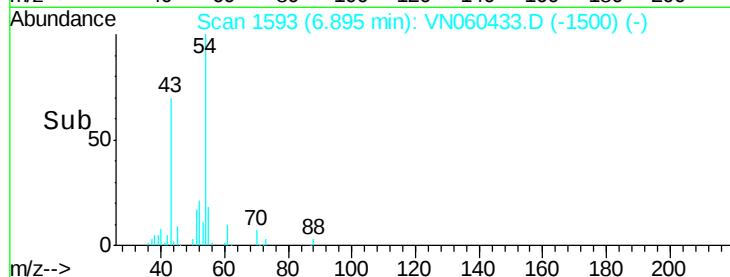
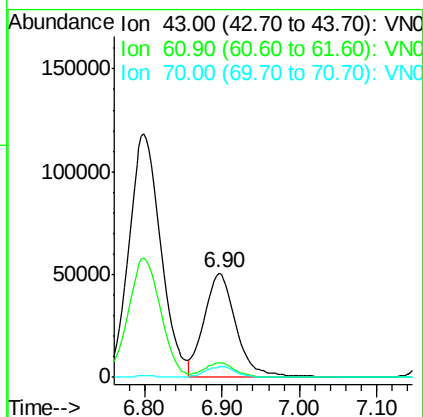
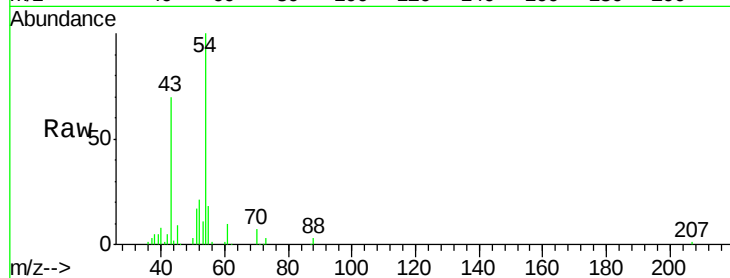




#37
Ethyl Acetate
Concen: 50.159 ug/l
RT: 6.90 min Scan# 1593
Delta R.T. 0.00 min
Lab File: VN060433.D
Acq: 10 Mar 2020 21:26

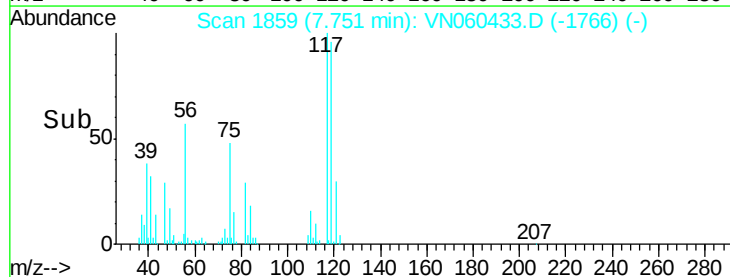
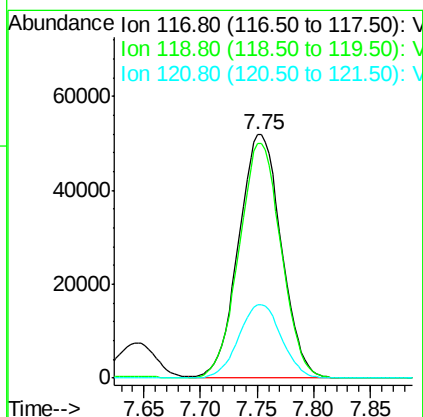
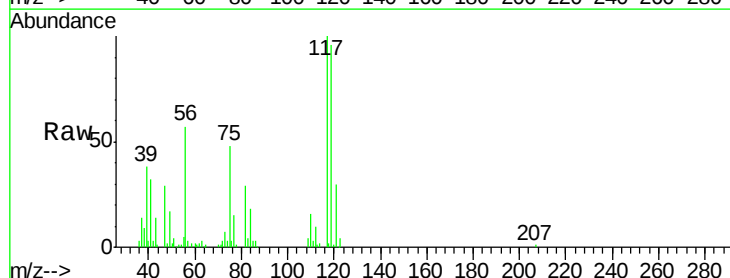
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

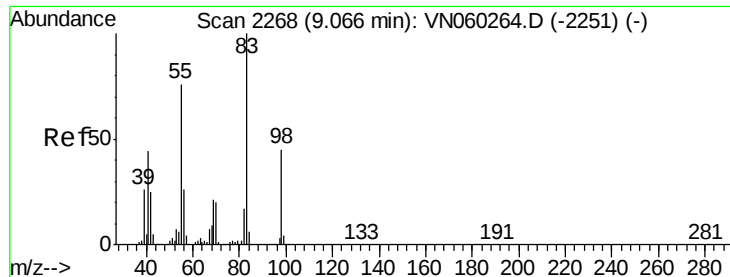
Tgt Ion: 43 Resp: 144659
Ion Ratio Lower Upper
43 100
61 14.0 11.1 16.7
70 10.0 8.4 12.6



#38
Carbon Tetrachloride
Concen: 45.944 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. 0.00 min
Lab File: VN060433.D
Acq: 10 Mar 2020 21:26

Tgt Ion: 117 Resp: 136245
Ion Ratio Lower Upper
117 100
119 96.4 76.7 115.1
121 30.0 24.5 36.7

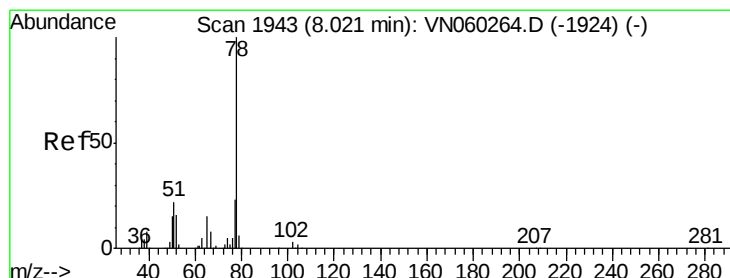
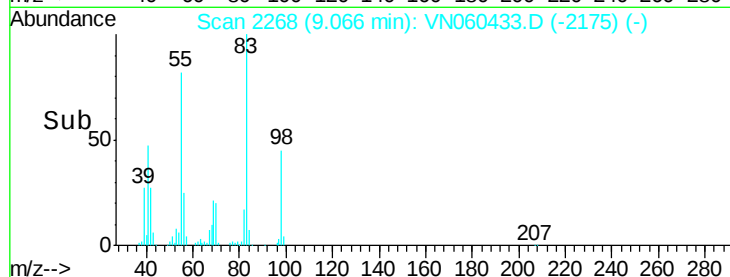
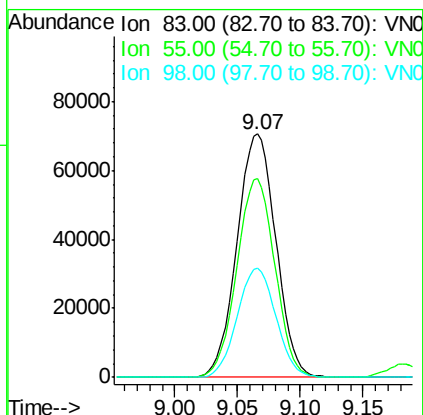
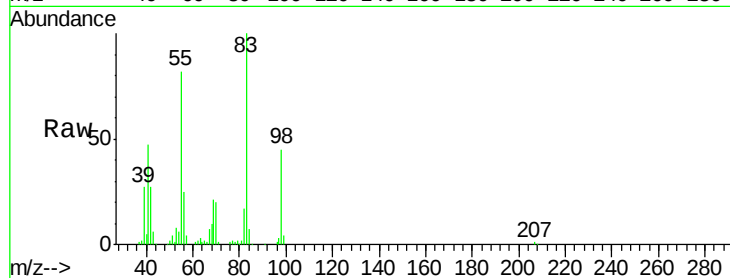




#39
Methylcyclohexane
Concen: 42.441 ug/l
RT: 9.07 min Scan# 2268
Delta R.T. 0.00 min
Lab File: VN060433.D
Acq: 10 Mar 2020 21:26

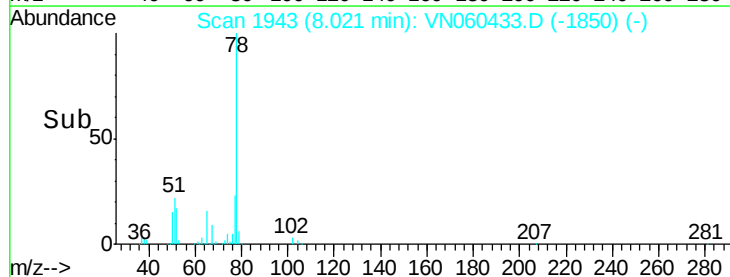
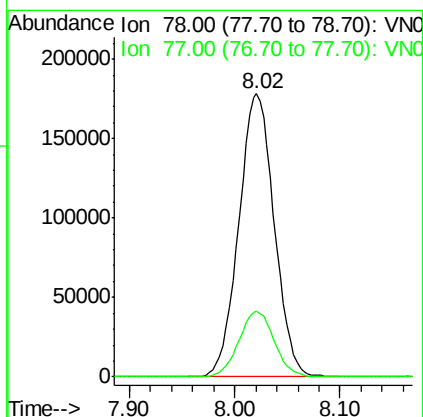
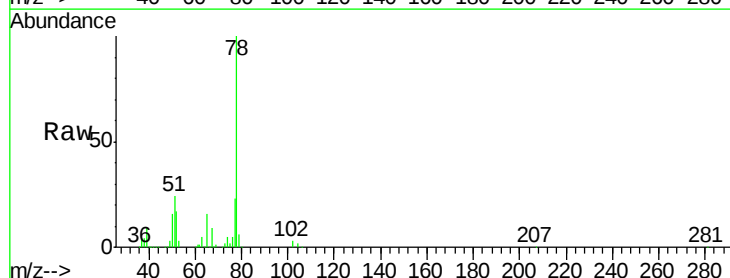
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

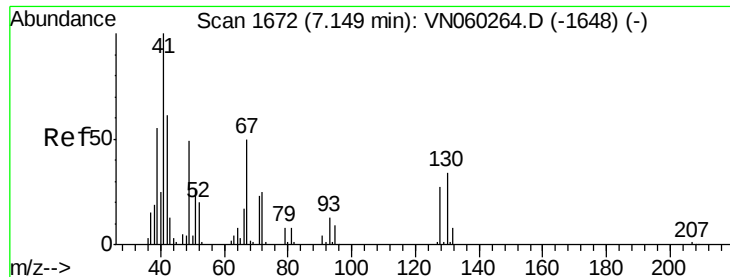
Tgt Ion: 83 Resp: 152415
Ion Ratio Lower Upper
83 100
55 81.7 61.0 91.4
98 44.7 36.1 54.1



#40
Benzene
Concen: 46.866 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. 0.00 min
Lab File: VN060433.D
Acq: 10 Mar 2020 21:26

Tgt Ion: 78 Resp: 415473
Ion Ratio Lower Upper
78 100
77 23.1 18.8 28.2

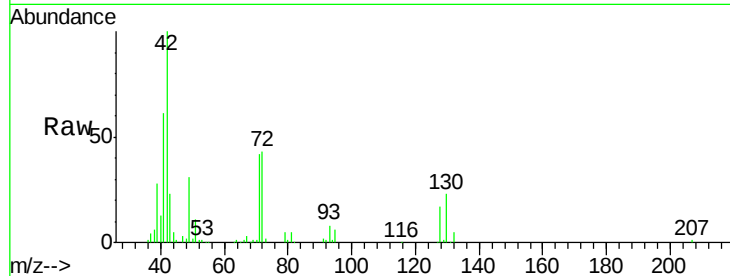




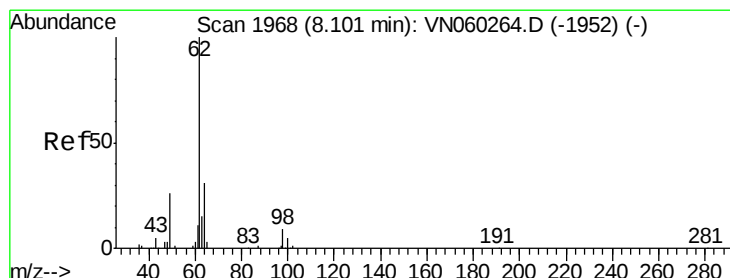
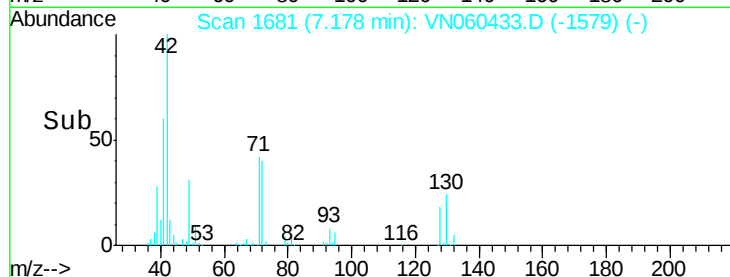
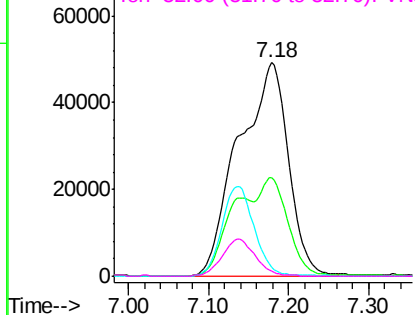
#41
Methacrylonitrile
Concen: 157.932 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.03 min
Lab File: VN060433.D
Acq: 10 Mar 2020 21:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:	41	Resp:	210311
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

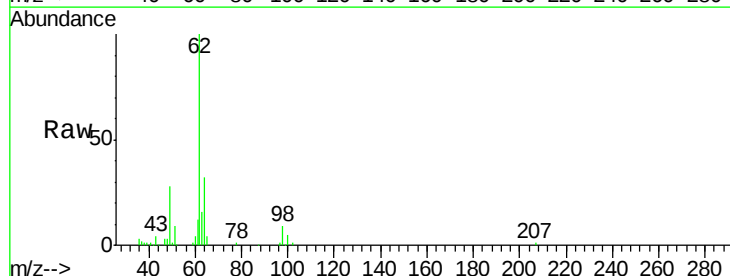


Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 39.00 (38.70 to 39.70): VNC
Ion 67.00 (66.70 to 67.70): VNC
Ion 52.00 (51.70 to 52.70): VNC

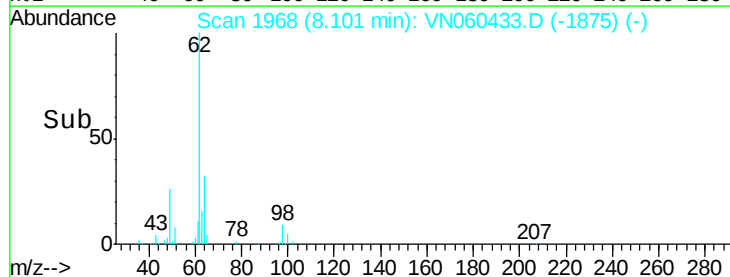
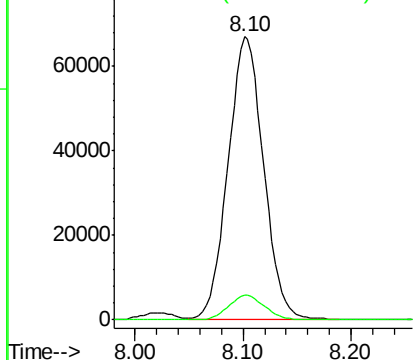


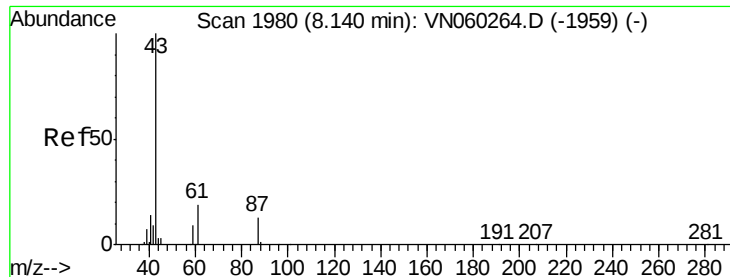
#42
1,2-Dichloroethane
Concen: 47.911 ug/l
RT: 8.10 min Scan# 1968
Delta R.T. 0.00 min
Lab File: VN060433.D
Acq: 10 Mar 2020 21:26

Tgt Ion:	62	Resp:	153269
Ion	Ratio	Lower	Upper
62	100		
98	8.7	0.0	17.0



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





#43

Isopropyl Acetate

Concen: 49.641 ug/l

RT: 8.14 min Scan# 1980

Delta R.T. 0.00 min

Lab File: VN060433.D

Acq: 10 Mar 2020 21:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

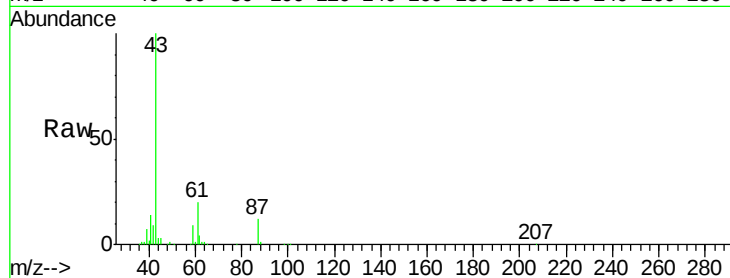
Tgt Ion: 43 Resp: 250634

Ion Ratio Lower Upper

43 100

61 25.7 20.9 31.3

87 12.4 10.6 16.0

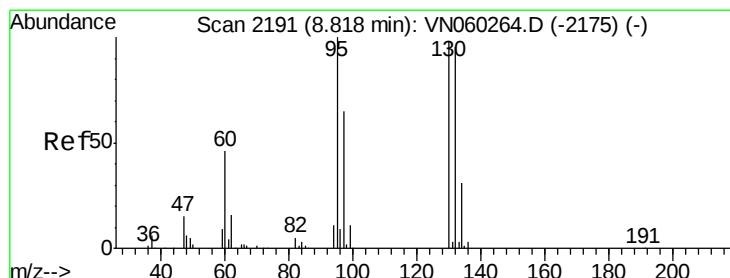
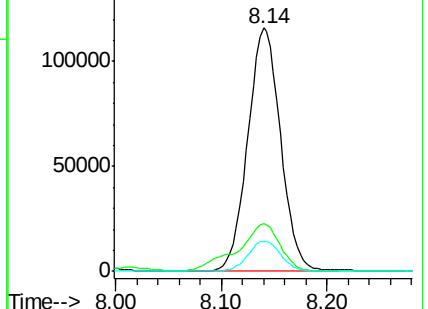
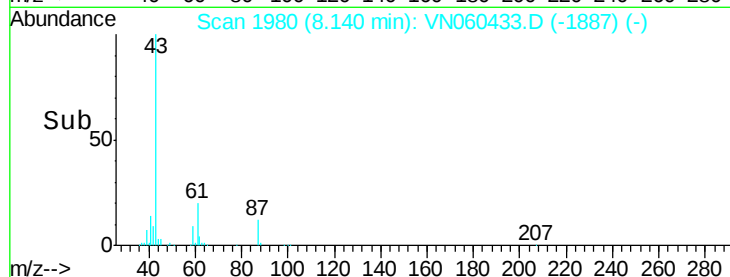


Abundance Ion 43.00 (42.70 to 43.70): VN060433.D (-1959) (-)

Ion 61.00 (60.70 to 61.70): VN060433.D (-1959) (-)

Ion 87.00 (86.70 to 87.70): VN060433.D (-1959) (-)

Time--> 8.00 8.10 8.20



#44

Trichloroethene

Concen: 44.631 ug/l

RT: 8.82 min Scan# 2191

Delta R.T. 0.00 min

Lab File: VN060433.D

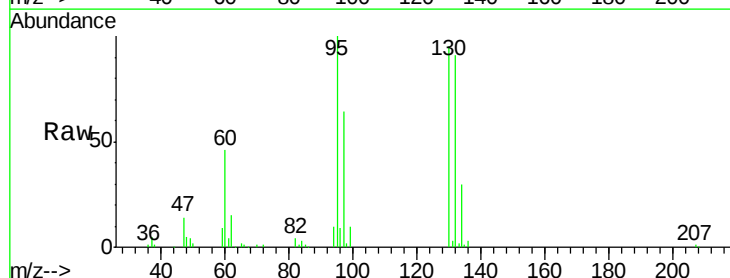
Acq: 10 Mar 2020 21:26

Tgt Ion: 130 Resp: 110193

Ion Ratio Lower Upper

130 100

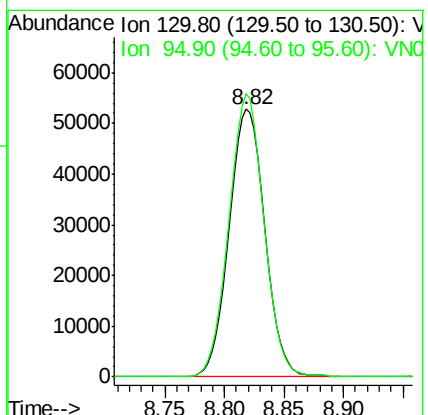
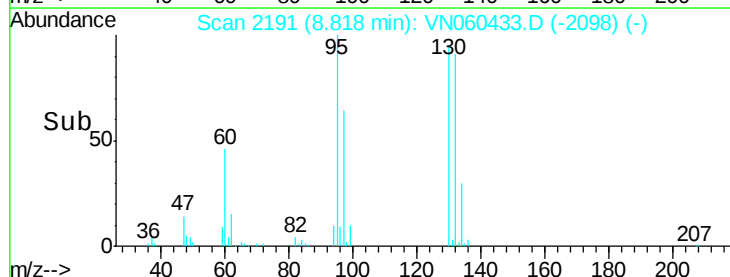
95 105.7 0.0 203.4

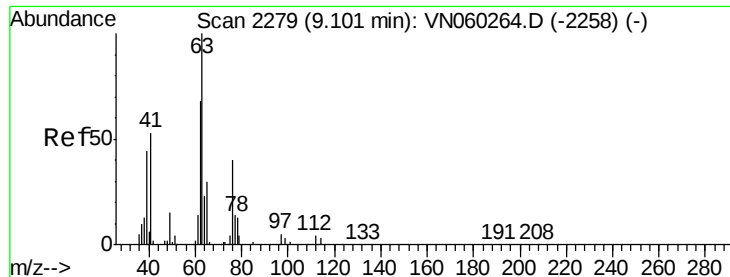


Abundance Ion 129.80 (129.50 to 130.50): VN060433.D (-2175) (-)

Ion 94.90 (94.60 to 95.60): VN060433.D (-2175) (-)

Time--> 8.75 8.80 8.85 8.90





#45

1,2-Dichloropropane

Concen: 50.406 ug/l

RT: 9.10 min Scan# 2279

Delta R.T. 0.00 min

Lab File: VN060433.D

Acq: 10 Mar 2020 21:26

Instrument :

MSVOA_N

ClientSampleId :

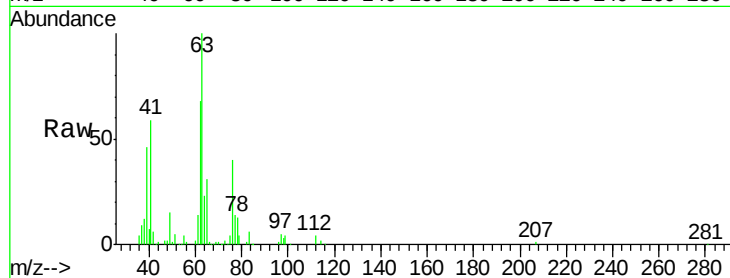
VSTDCCC050EC

Tgt Ion: 63 Resp: 116831

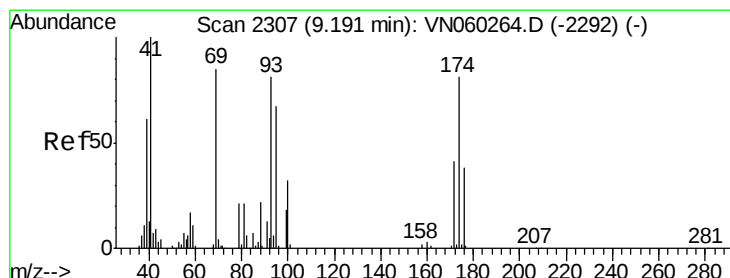
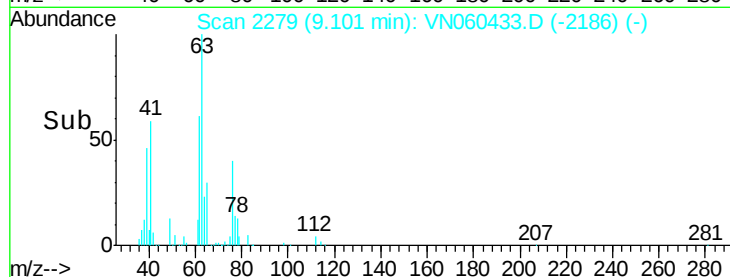
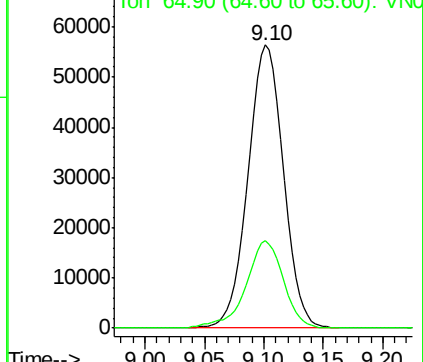
Ion Ratio Lower Upper

63 100

65 30.9 24.4 36.6



Abundance Ion 62.90 (62.60 to 63.60): VN060433.D (-2186) (-)



#46

Dibromomethane

Concen: 48.182 ug/l

RT: 9.19 min Scan# 2307

Delta R.T. 0.00 min

Lab File: VN060433.D

Acq: 10 Mar 2020 21:26

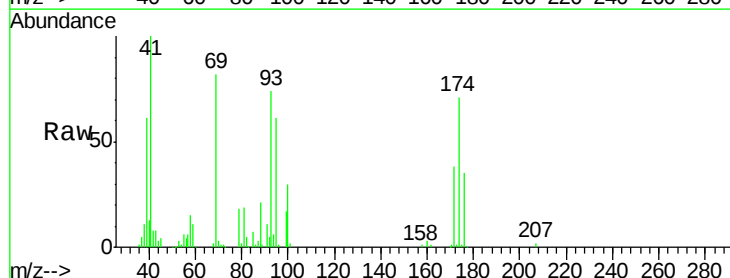
Tgt Ion: 93 Resp: 72463

Ion Ratio Lower Upper

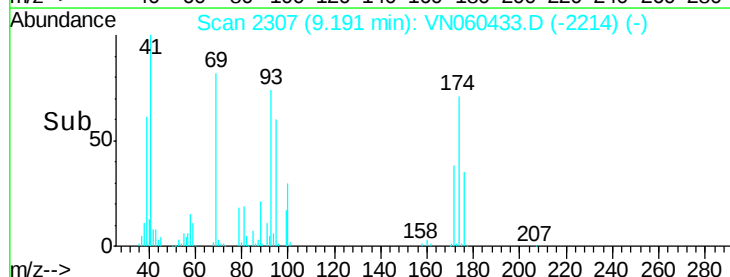
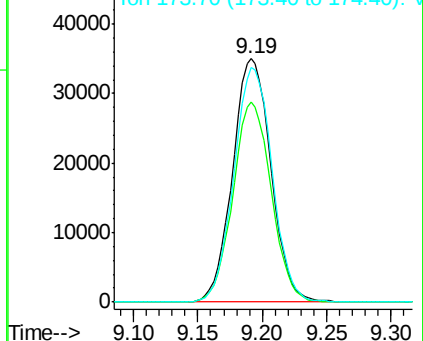
93 100

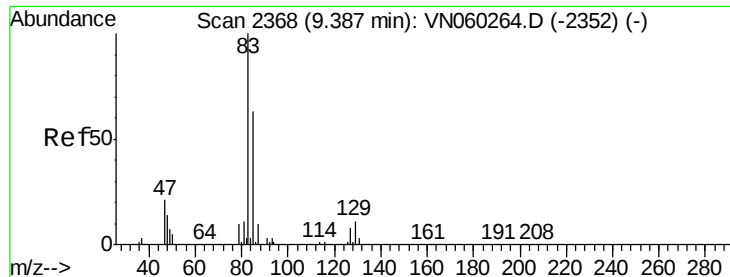
95 82.1 65.9 98.9

174 96.2 79.6 119.4



Abundance Ion 92.80 (92.50 to 93.50): VN060433.D (-2214) (-)

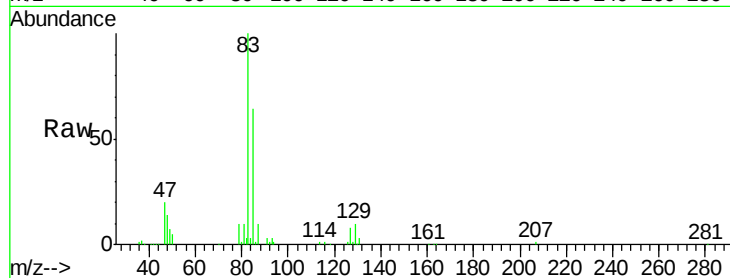




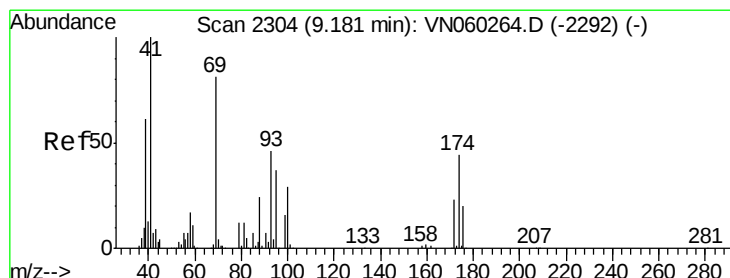
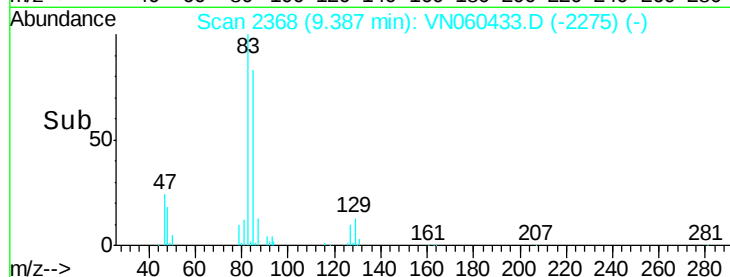
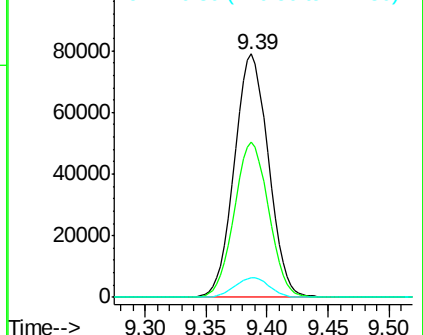
#47
 Bromodichloromethane
 Concen: 50.044 ug/l
 RT: 9.39 min Scan# 2368
 Delta R.T. 0.00 min
 Lab File: VN060433.D
 Acq: 10 Mar 2020 21:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion: 83 Resp: 153075
 Ion Ratio Lower Upper
 83 100
 85 63.6 50.7 76.1
 127 8.0 6.8 10.2

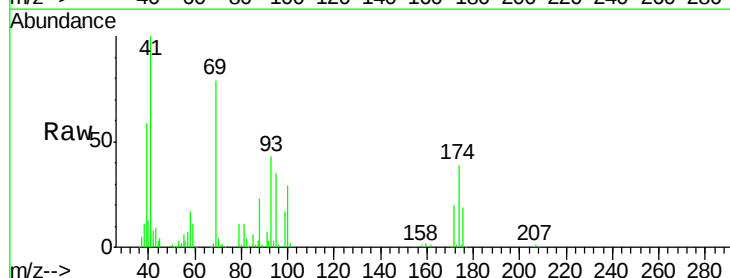


Abundance Ion 82.90 (82.60 to 83.60): VN0
 Ion 84.90 (84.60 to 85.60): VN0
 Ion 126.80 (126.50 to 127.50): VN0

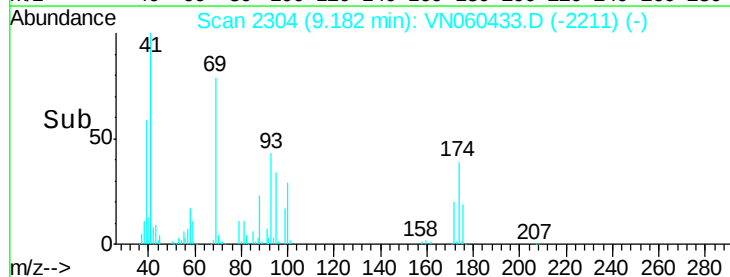
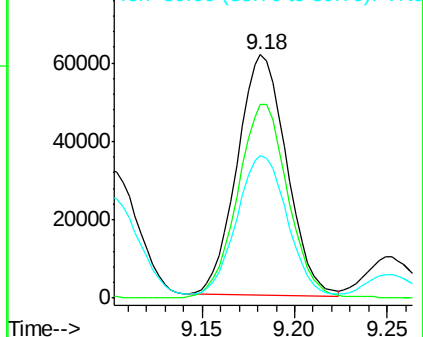


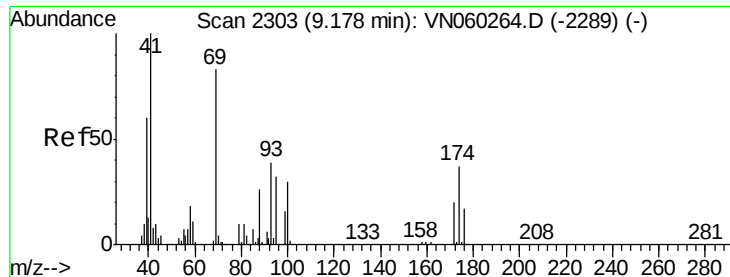
#48
 Methyl methacrylate
 Concen: 49.562 ug/l
 RT: 9.18 min Scan# 2304
 Delta R.T. 0.00 min
 Lab File: VN060433.D
 Acq: 10 Mar 2020 21:26

Tgt Ion: 41 Resp: 114111
 Ion Ratio Lower Upper
 41 100
 69 82.1 66.7 100.1
 39 61.2 50.1 75.1



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





#49

1,4-Dioxane

Concen: 943.204 ug/l

RT: 9.18 min Scan# 2303

Delta R.T. 0.00 min

Lab File: VN060433.D

Acq: 10 Mar 2020 21:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

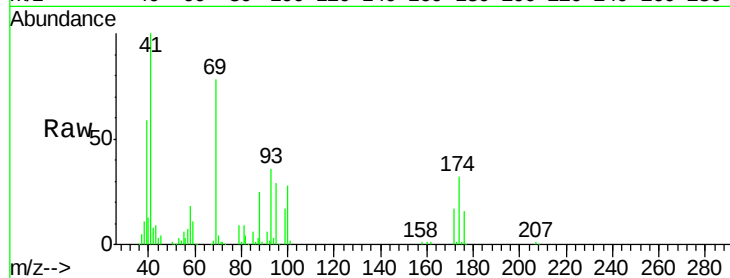
Tgt Ion: 88 Resp: 30539

Ion Ratio Lower Upper

88 100

43 38.0 30.4 45.6

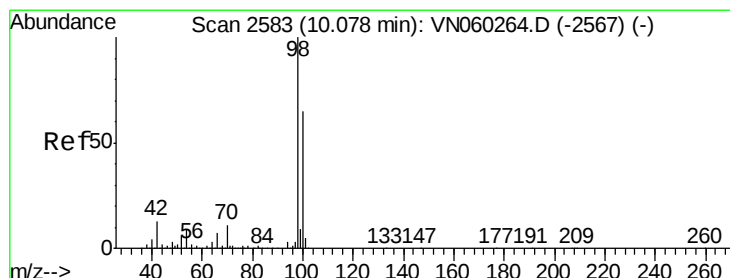
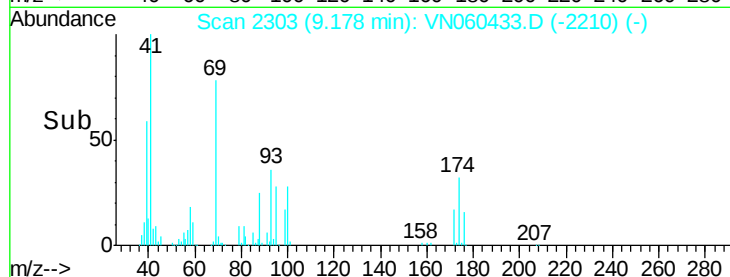
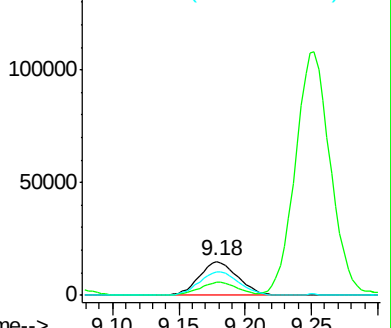
58 70.9 57.0 85.6



Abundance Ion 88.00 (87.70 to 88.70): VN060433.D (-2210) (-)

Ion 43.00 (42.70 to 43.70): VN060433.D (-2210) (-)

Ion 58.00 (57.70 to 58.70): VN060433.D (-2210) (-)



#50

Toluene-d8

Concen: 47.023 ug/l

RT: 10.08 min Scan# 2583

Delta R.T. 0.00 min

Lab File: VN060433.D

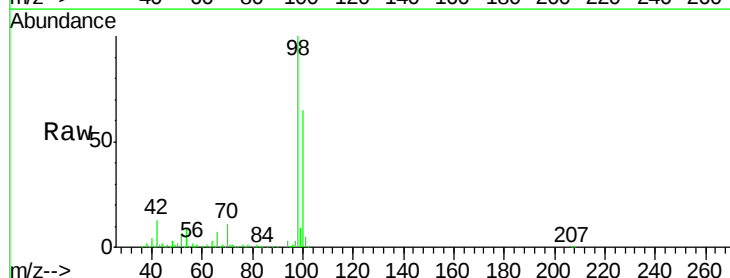
Acq: 10 Mar 2020 21:26

Tgt Ion: 98 Resp: 353042

Ion Ratio Lower Upper

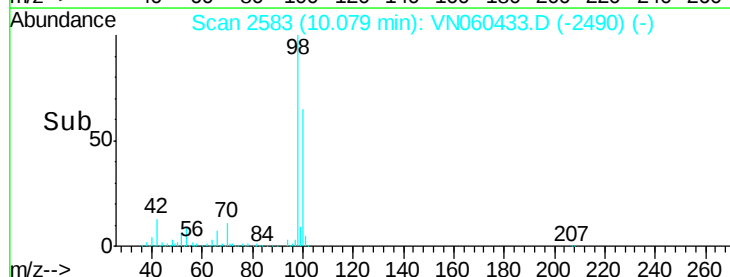
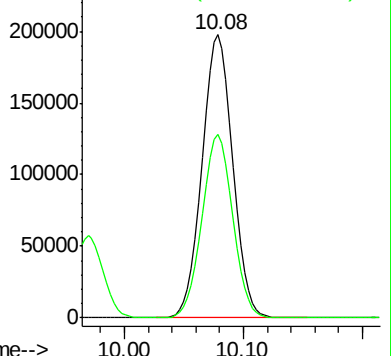
98 100

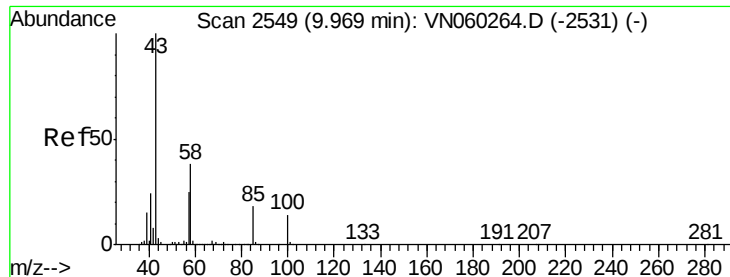
100 64.8 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VN060433.D (-2490) (-)

Ion 100.00 (99.70 to 100.70): VN060433.D (-2490) (-)

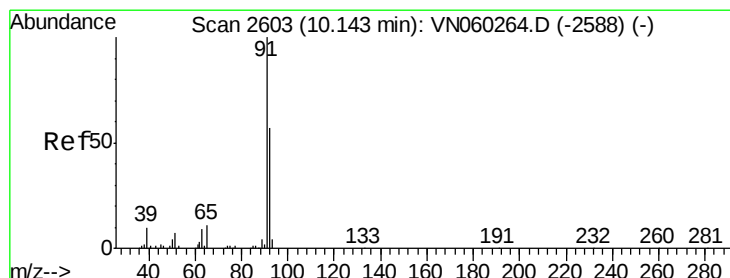
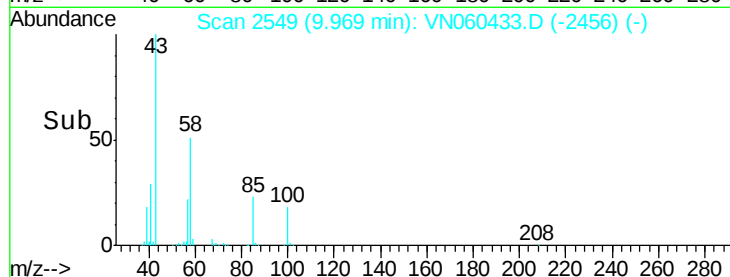
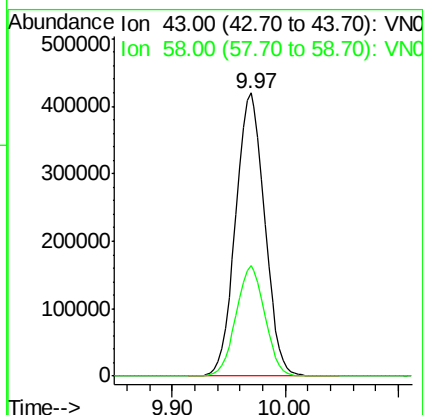
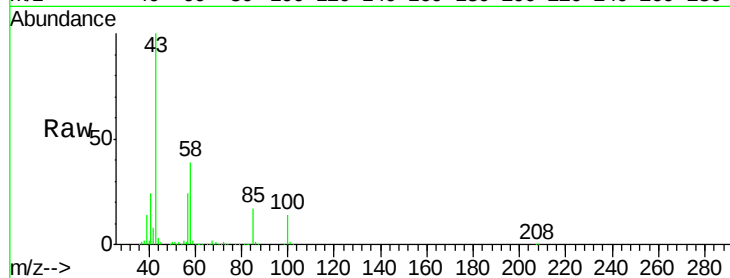




#51
 4-Methyl-2-Pentanone
 Concen: 262.153 ug/l
 RT: 9.97 min Scan# 2549
 Delta R.T. 0.00 min
 Lab File: VN060433.D
 Acq: 10 Mar 2020 21:26

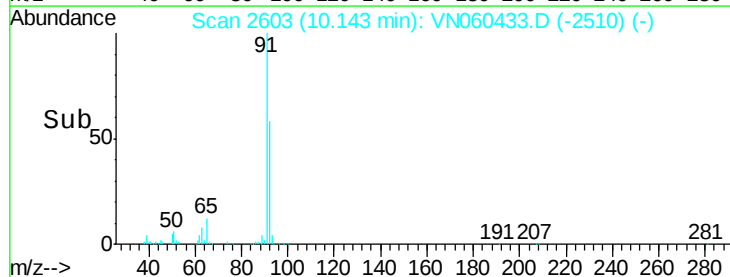
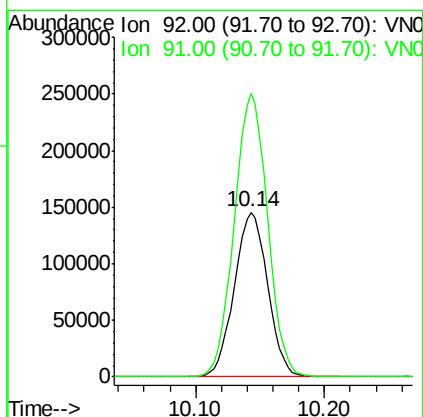
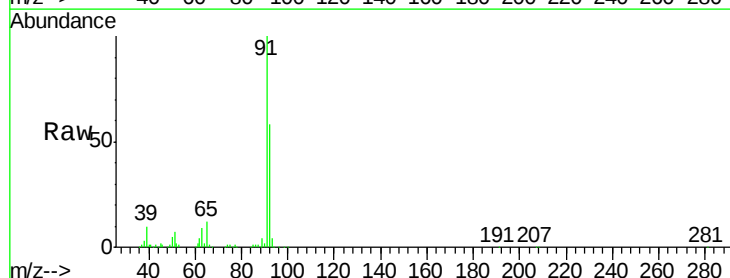
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

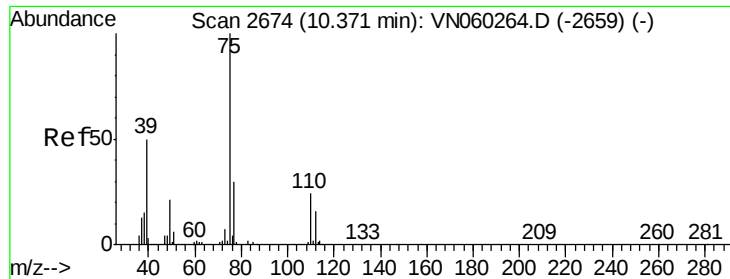
Tgt Ion: 43 Resp: 750460
 Ion Ratio Lower Upper
 43 100
 58 38.5 30.9 46.3



#52
 Toluene
 Concen: 46.873 ug/l
 RT: 10.14 min Scan# 2603
 Delta R.T. 0.00 min
 Lab File: VN060433.D
 Acq: 10 Mar 2020 21:26

Tgt Ion: 92 Resp: 261023
 Ion Ratio Lower Upper
 92 100
 91 172.4 138.1 207.1

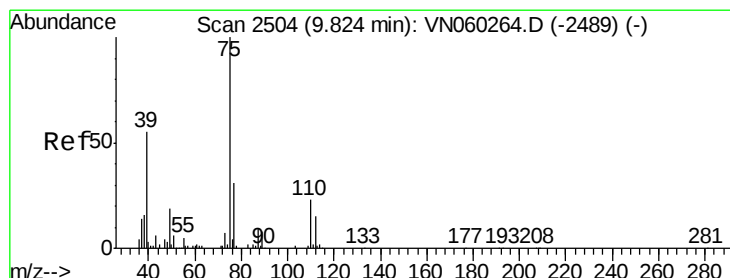
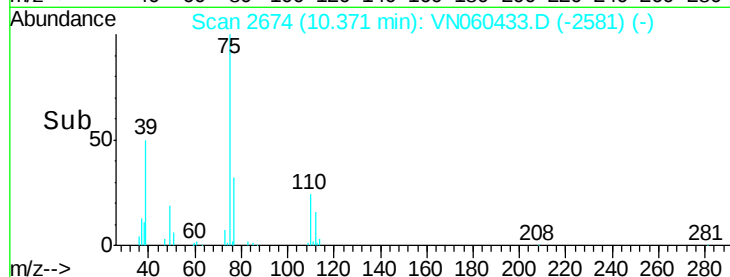
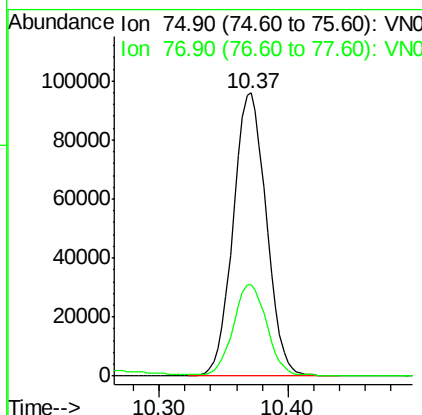
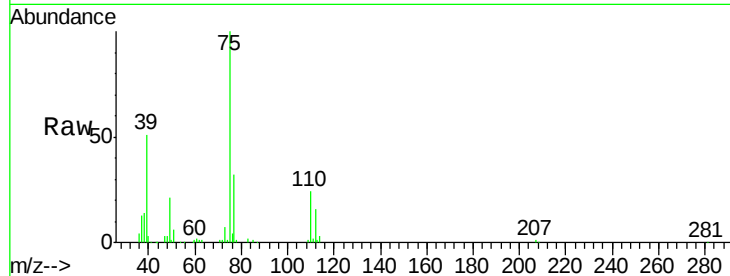




#53
t-1,3-Dichloropropene
Concen: 45.754 ug/l
RT: 10.37 min Scan# 2674
Delta R.T. 0.00 min
Lab File: VN060433.D
Acq: 10 Mar 2020 21:26

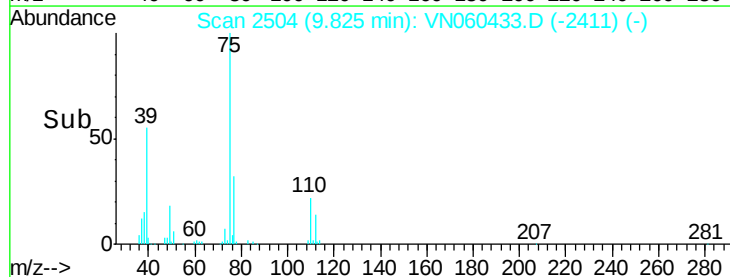
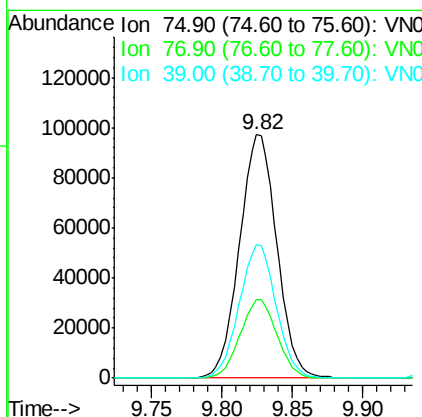
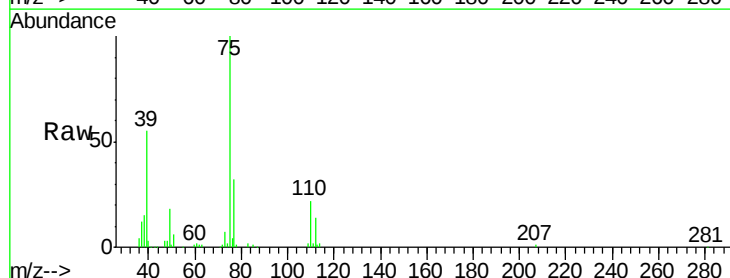
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

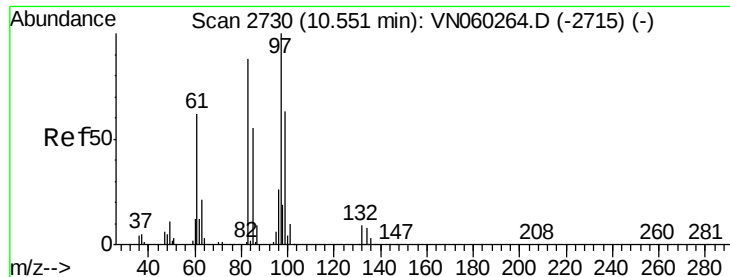
Tgt Ion: 75 Resp: 171486
Ion Ratio Lower Upper
75 100
77 32.0 24.8 37.2



#54
cis-1,3-Dichloropropene
Concen: 46.425 ug/l
RT: 9.82 min Scan# 2504
Delta R.T. 0.00 min
Lab File: VN060433.D
Acq: 10 Mar 2020 21:26

Tgt Ion: 75 Resp: 180300
Ion Ratio Lower Upper
75 100
77 32.1 24.8 37.2
39 54.6 43.8 65.8

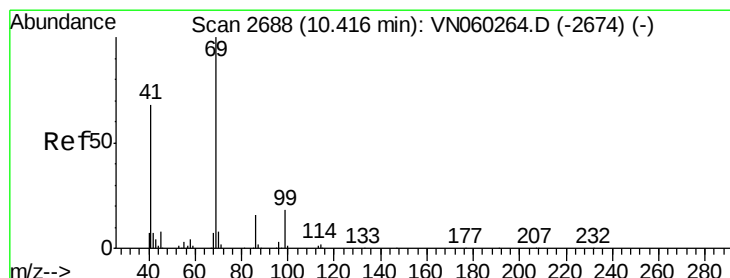
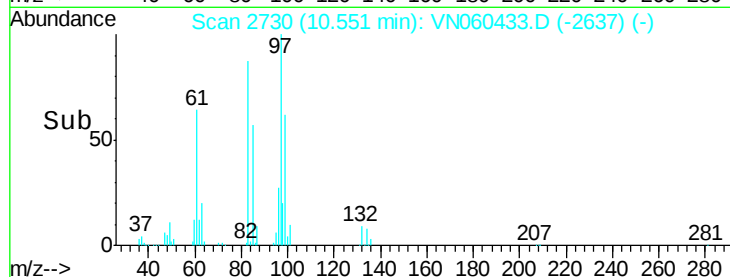
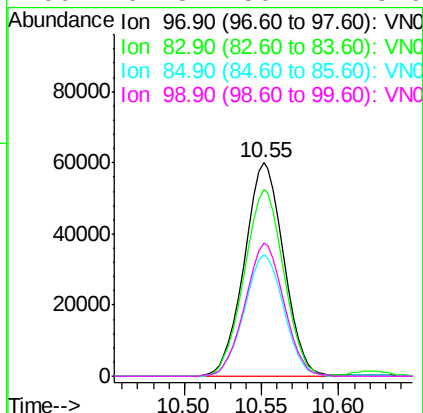
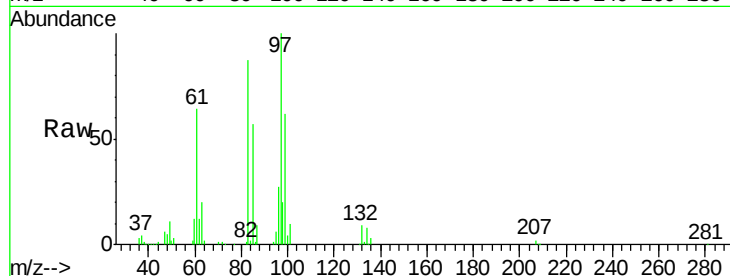




#55
 1,1,2-Trichloroethane
 Concen: 47.608 ug/l
 RT: 10.55 min Scan# 2730
 Delta R.T. 0.00 min
 Lab File: VN060433.D
 Acq: 10 Mar 2020 21:26

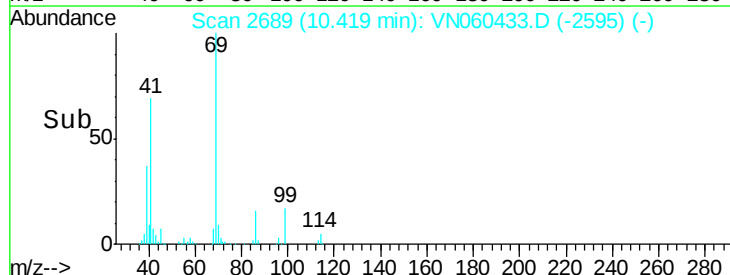
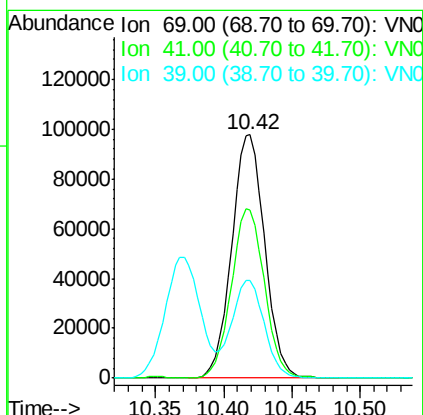
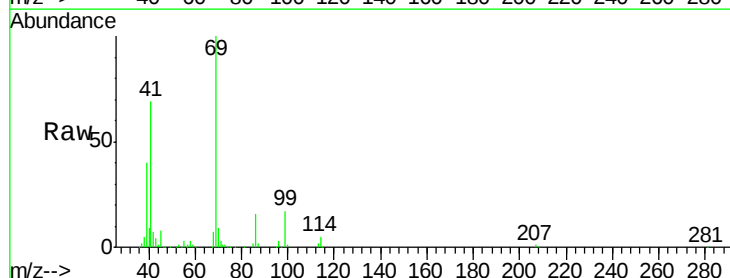
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

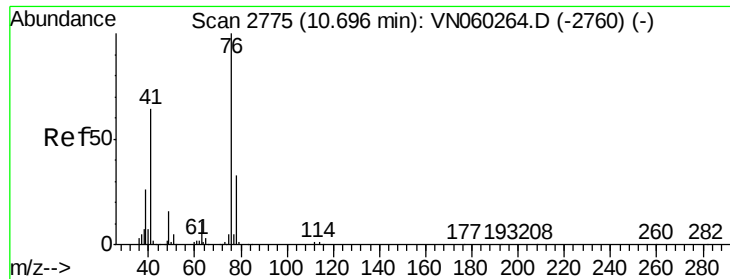
Tgt Ion:	97	Resp:	106615
Ion	Ratio	Lower	Upper
97	100		
83	87.4	70.0	105.0
85	56.9	44.0	66.0
99	62.3	50.4	75.6



#56
 Ethyl methacrylate
 Concen: 51.044 ug/l
 RT: 10.42 min Scan# 2689
 Delta R.T. 0.00 min
 Lab File: VN060433.D
 Acq: 10 Mar 2020 21:26

Tgt Ion:	69	Resp:	164223
Ion	Ratio	Lower	Upper
69	100		
41	69.6	54.1	81.1
39	39.9	32.5	48.7





#57

1,3-Dichloropropane

Concen: 49.379 ug/l

RT: 10.70 min Scan# 2775

Delta R.T. 0.00 min

Lab File: VN060433.D

Acq: 10 Mar 2020 21:26

Instrument :

MSVOA_N

ClientSampleId :

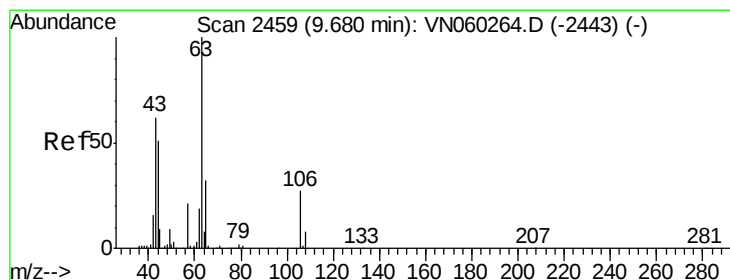
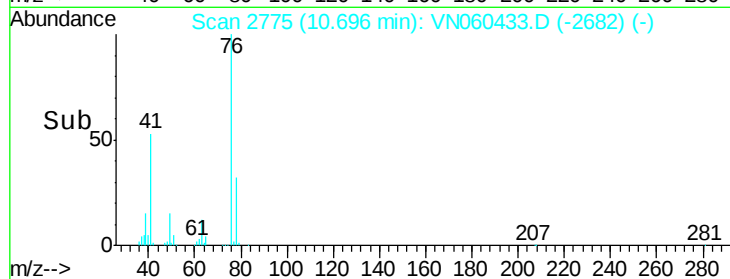
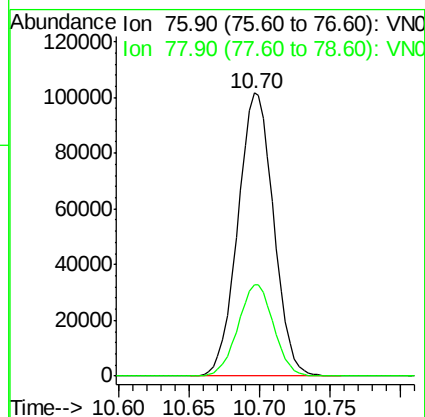
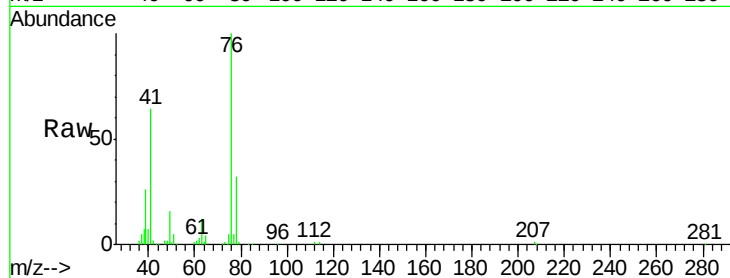
VSTDCCC050EC

Tgt Ion: 76 Resp: 180334

Ion Ratio Lower Upper

76 100

78 32.4 26.2 39.2



#58

2-Chloroethyl Vinyl ether

Concen: 244.262 ug/l

RT: 9.68 min Scan# 2459

Delta R.T. 0.00 min

Lab File: VN060433.D

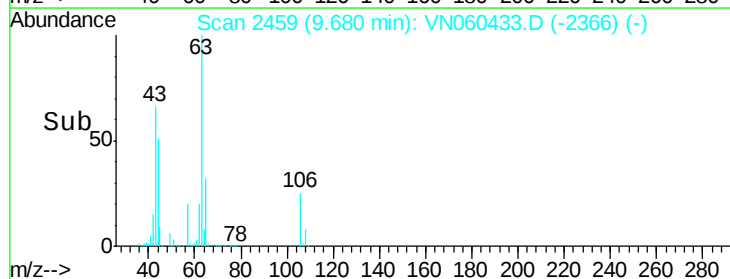
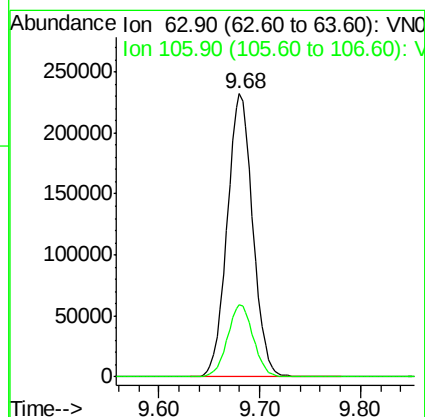
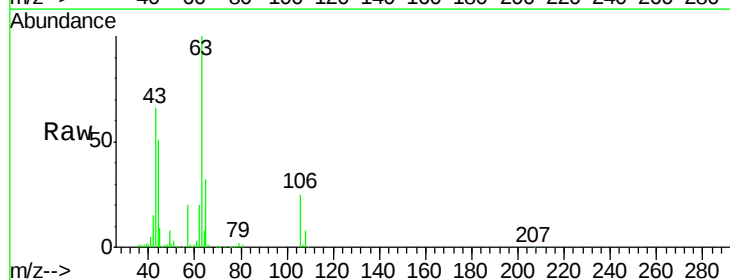
Acq: 10 Mar 2020 21:26

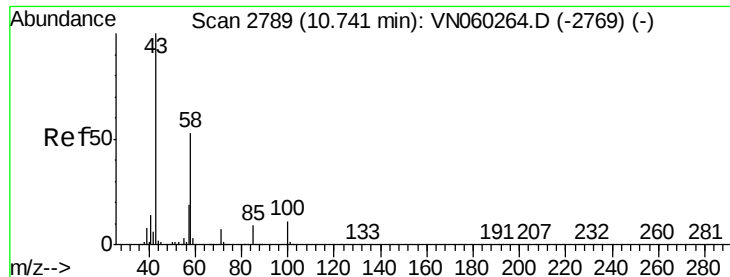
Tgt Ion: 63 Resp: 411008

Ion Ratio Lower Upper

63 100

106 25.7 21.1 31.7

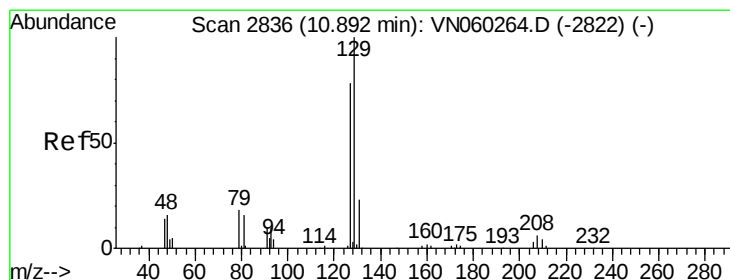
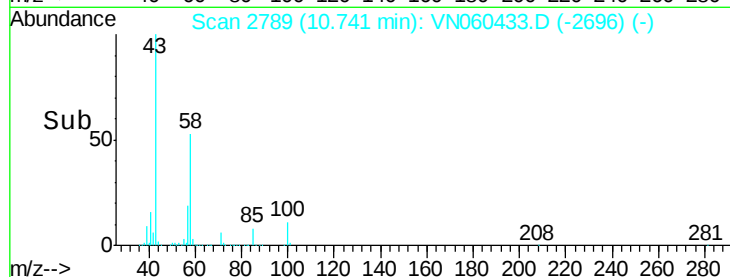
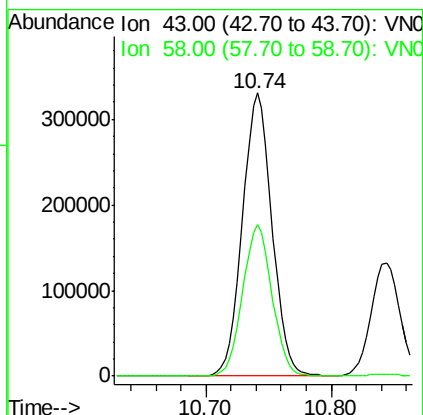
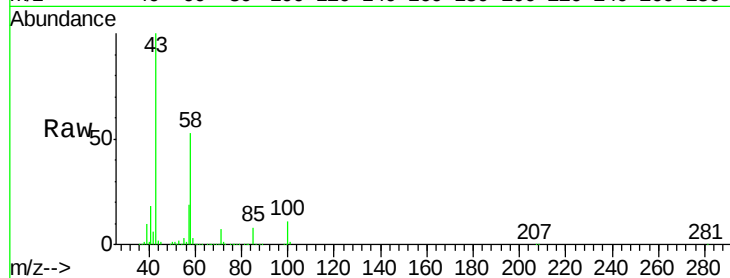




#59
2-Hexanone
Concen: 258.506 ug/l
RT: 10.74 min Scan# 2789
Delta R.T. 0.00 min
Lab File: VN060433.D
Acq: 10 Mar 2020 21:26

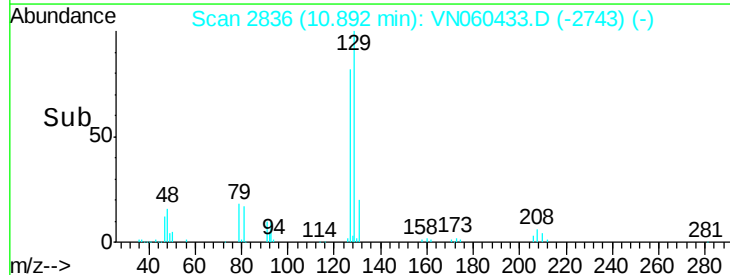
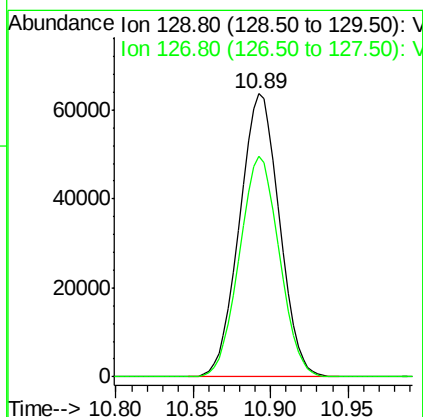
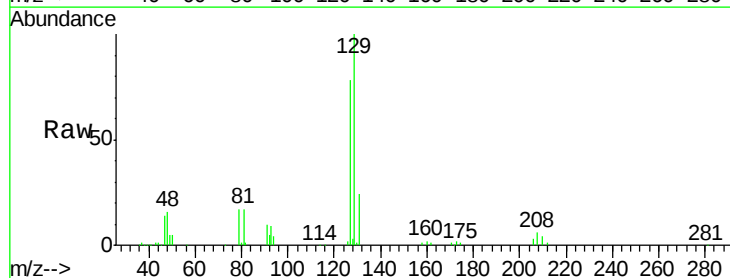
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

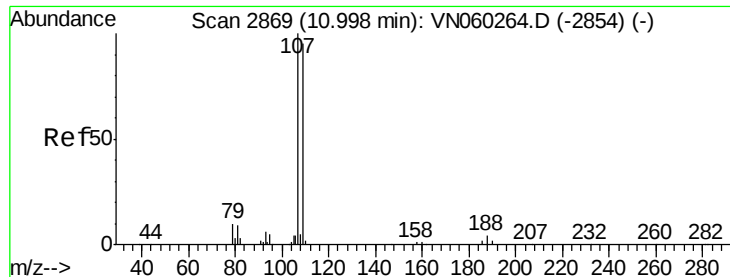
Tgt Ion: 43 Resp: 543340
Ion Ratio Lower Upper
43 100
58 53.2 26.5 79.5



#60
Dibromochloromethane
Concen: 50.149 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. 0.00 min
Lab File: VN060433.D
Acq: 10 Mar 2020 21:26

Tgt Ion: 129 Resp: 114209
Ion Ratio Lower Upper
129 100
127 77.9 38.9 116.7





#61

1,2-Dibromoethane

Concen: 49.169 ug/l

RT: 11.00 min Scan# 2869

Delta R.T. 0.00 min

Lab File: VN060433.D

Acq: 10 Mar 2020 21:26

Instrument :

MSVOA_N

ClientSampleId :

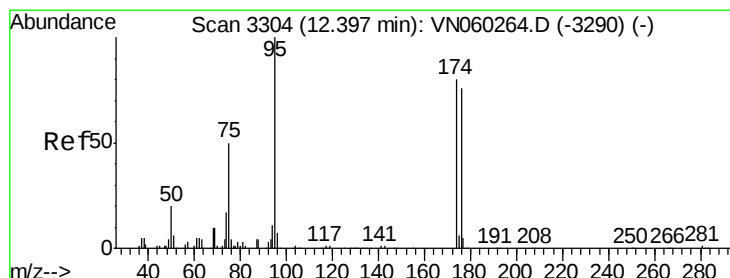
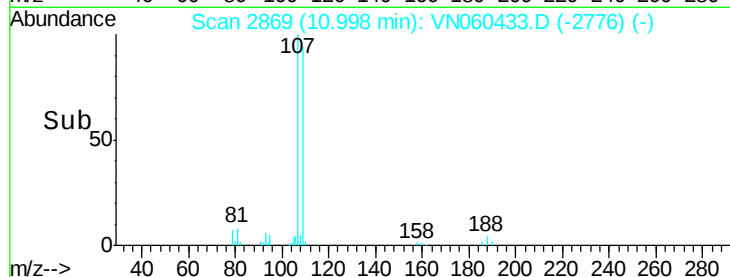
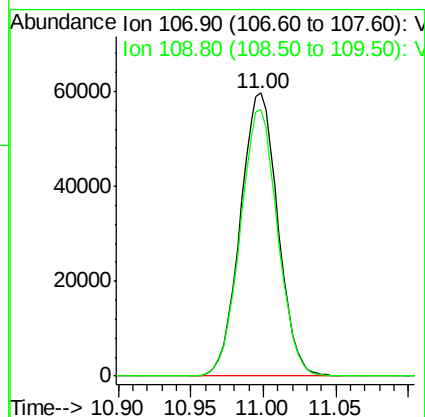
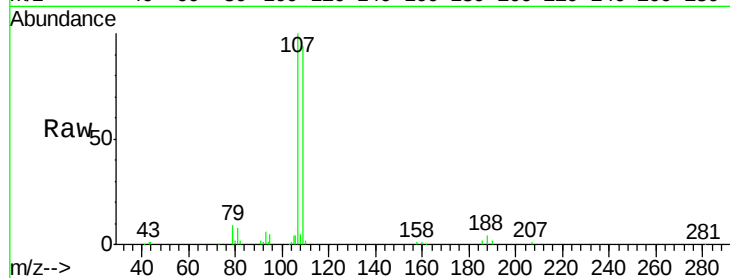
VSTDCCC050EC

Tgt Ion: 107 Resp: 107338

Ion Ratio Lower Upper

107 100

109 93.6 76.8 115.2



#62

4-Bromofluorobenzene

Concen: 48.155 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.00 min

Lab File: VN060433.D

Acq: 10 Mar 2020 21:26

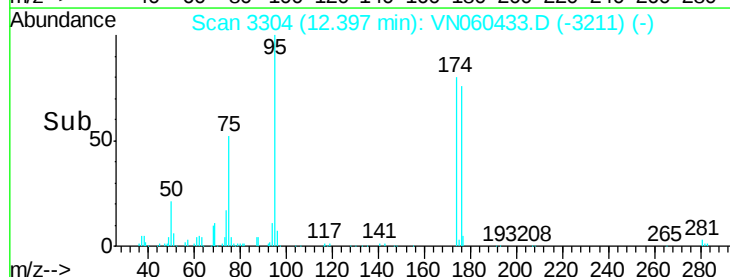
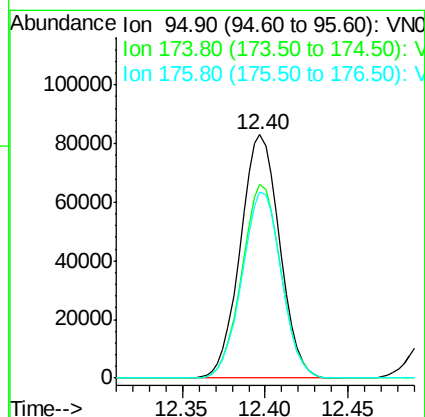
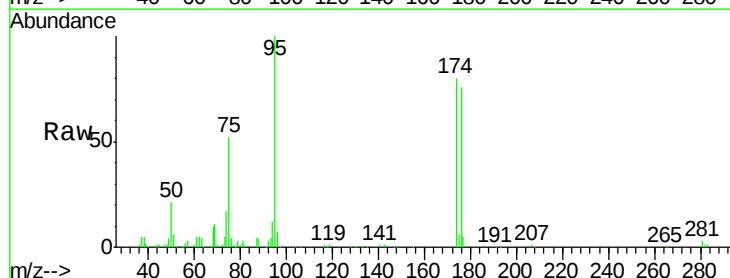
Tgt Ion: 95 Resp: 137049

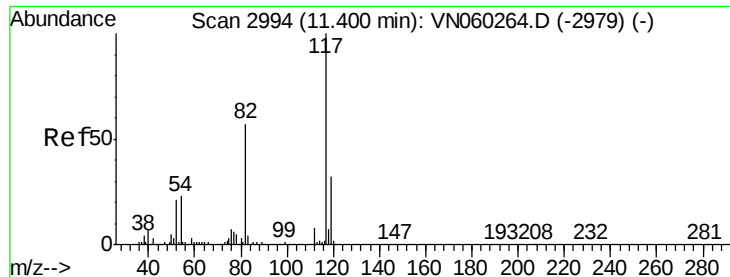
Ion Ratio Lower Upper

95 100

174 79.1 0.0 159.2

176 76.7 0.0 153.8

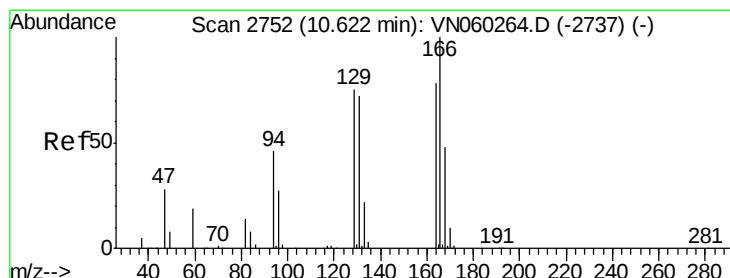
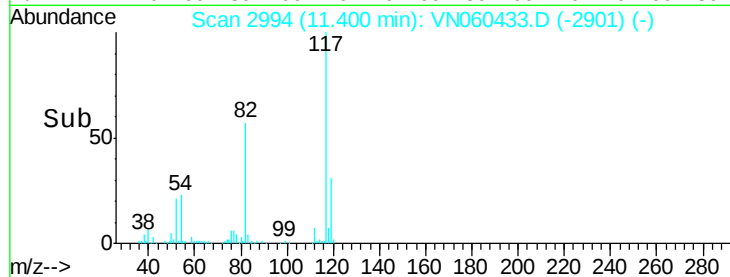
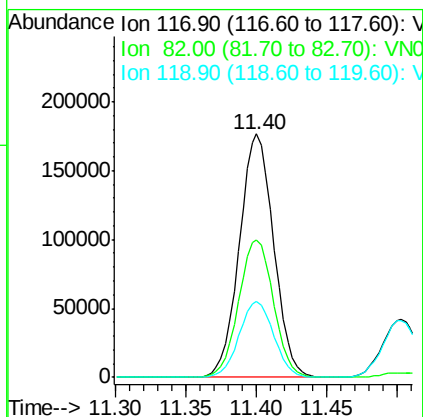
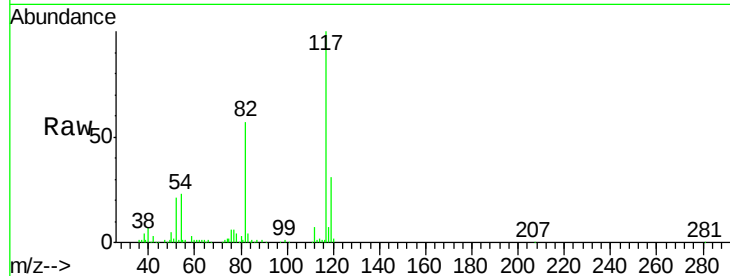




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN060433.D
Acq: 10 Mar 2020 21:26

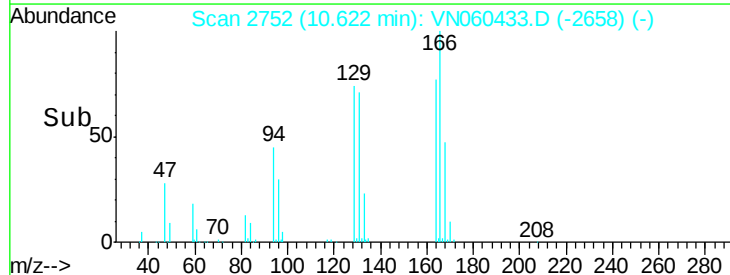
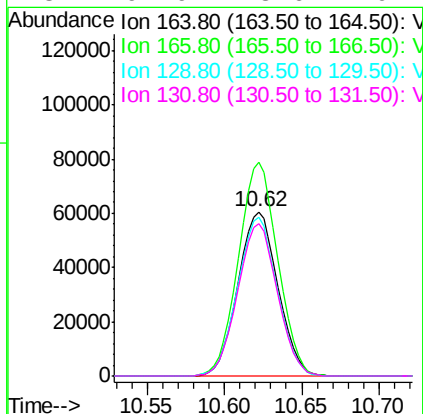
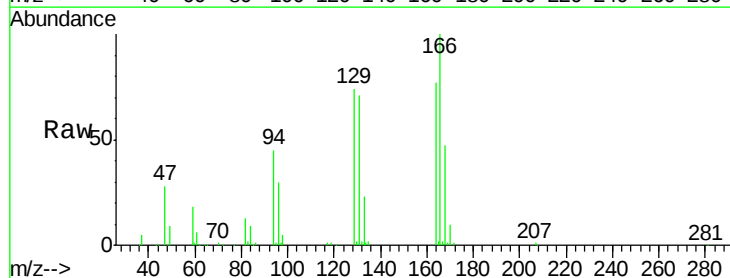
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

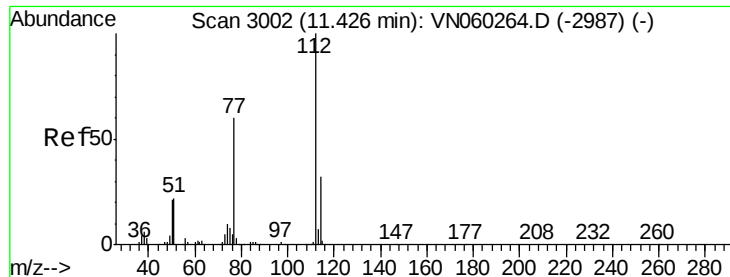
Tgt Ion:117 Resp: 300976
Ion Ratio Lower Upper
117 100
82 56.7 45.8 68.6
119 31.0 25.8 38.8



#64
Tetrachloroethene
Concen: 45.645 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. 0.00 min
Lab File: VN060433.D
Acq: 10 Mar 2020 21:26

Tgt Ion:164 Resp: 108458
Ion Ratio Lower Upper
164 100
166 130.2 102.0 153.0
129 96.5 76.4 114.6
131 92.9 73.6 110.4





#65

Chlorobenzene

Concen: 45.566 ug/l

RT: 11.43 min Scan# 3002

Delta R.T. 0.00 min

Lab File: VN060433.D

Acq: 10 Mar 2020 21:26

Instrument :

MSVOA_N

ClientSampleId :

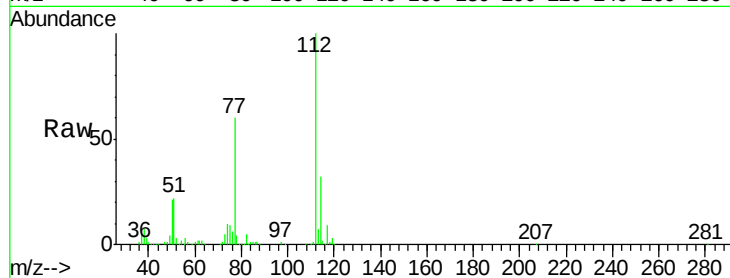
VSTDCCC050EC

Tgt Ion:112 Resp: 276923

Ion Ratio Lower Upper

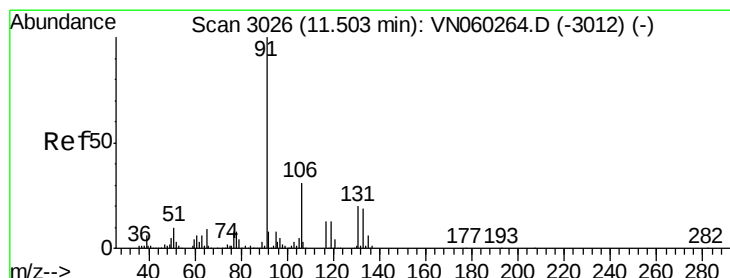
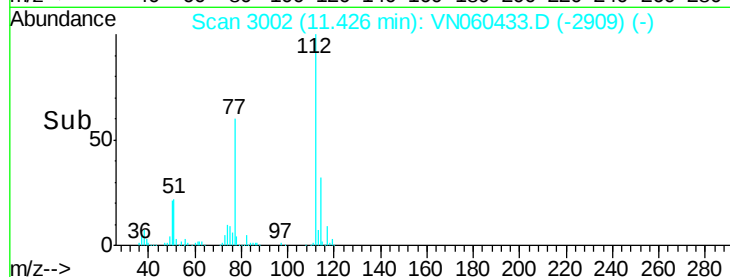
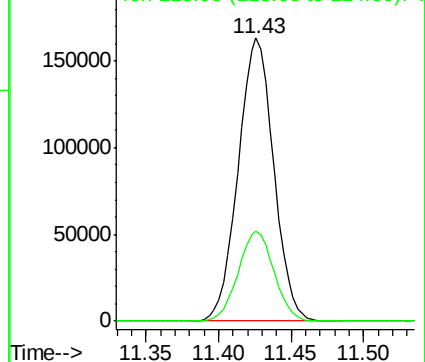
112 100

114 31.8 25.4 38.0



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 47.519 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. 0.00 min

Lab File: VN060433.D

Acq: 10 Mar 2020 21:26

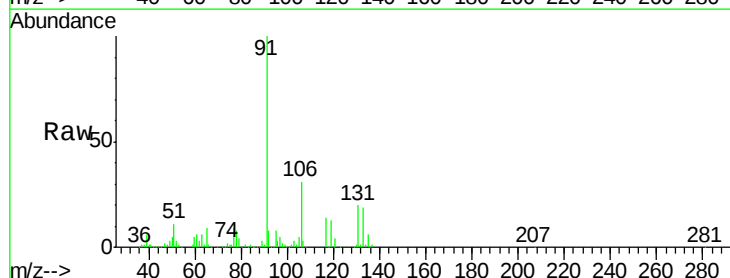
Tgt Ion:131 Resp: 106780

Ion Ratio Lower Upper

131 100

133 95.7 47.7 143.1

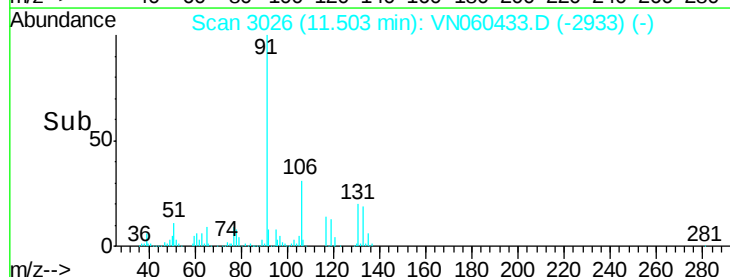
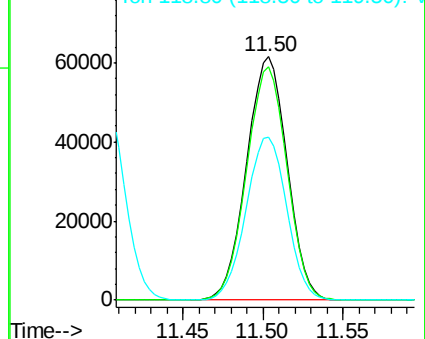
119 67.3 33.2 99.6

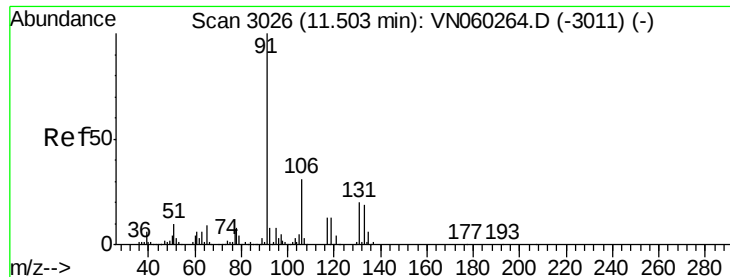


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

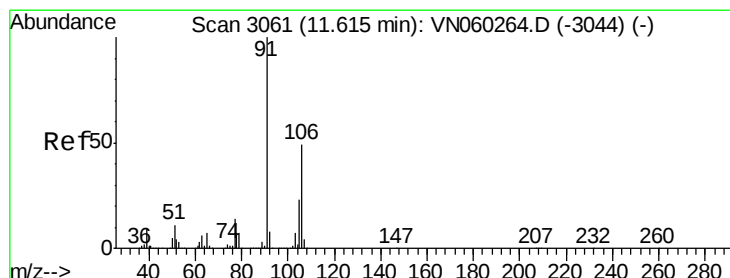
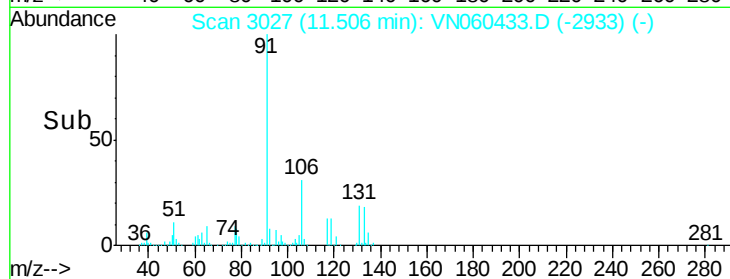
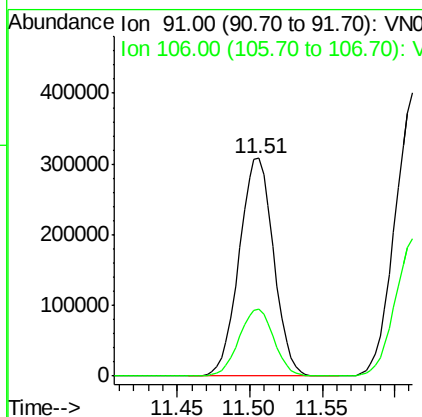
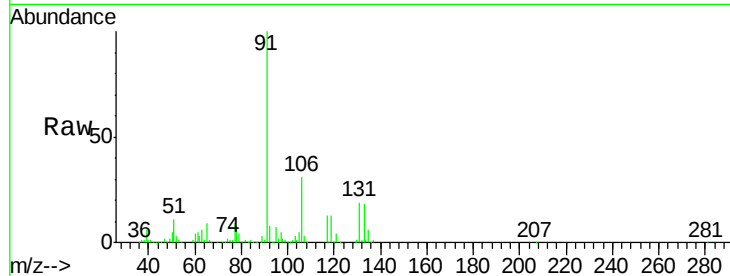




#67
Ethyl Benzene
Concen: 46.094 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. 0.00 min
Lab File: VN060433.D
Acq: 10 Mar 2020 21:26

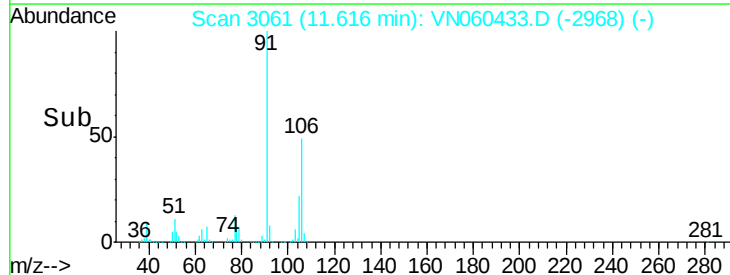
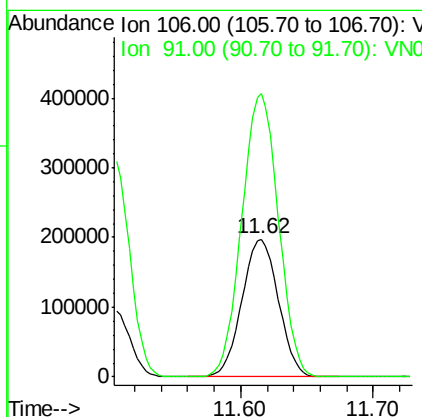
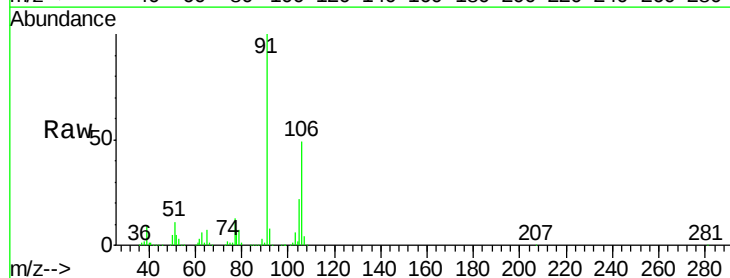
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

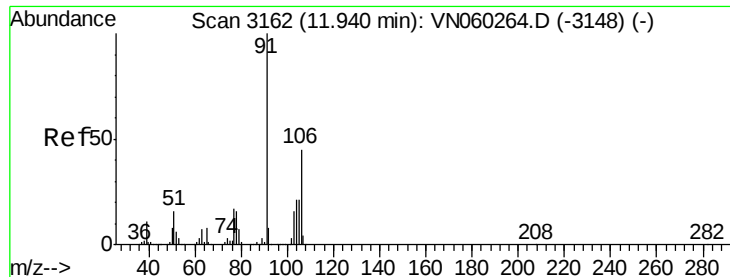
Tgt Ion: 91 Resp: 510154
Ion Ratio Lower Upper
91 100
106 30.7 24.7 37.1



#68
m/p-Xylenes
Concen: 90.350 ug/l
RT: 11.62 min Scan# 3061
Delta R.T. 0.00 min
Lab File: VN060433.D
Acq: 10 Mar 2020 21:26

Tgt Ion: 106 Resp: 377274
Ion Ratio Lower Upper
106 100
91 206.4 164.5 246.7

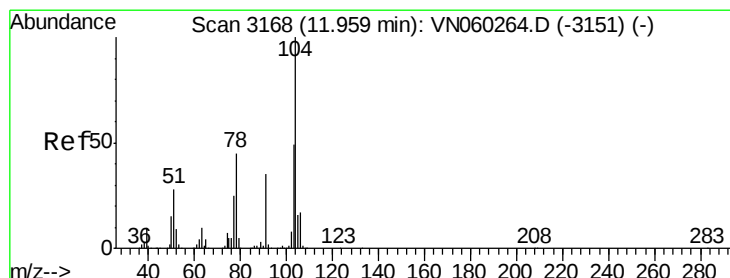
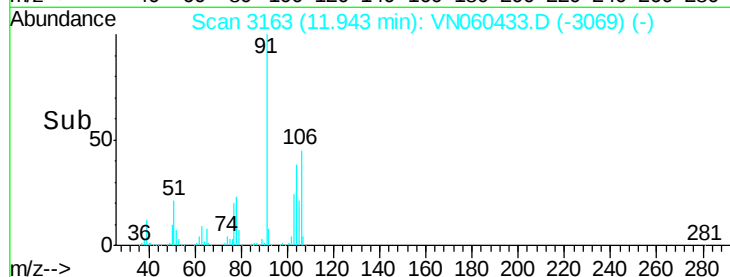
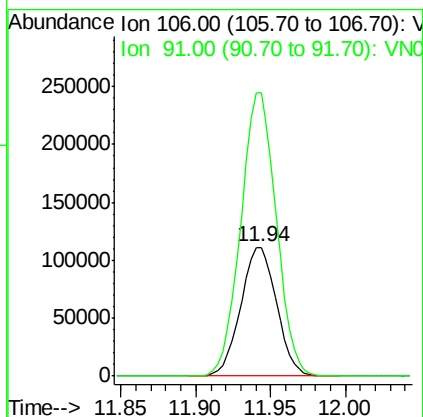
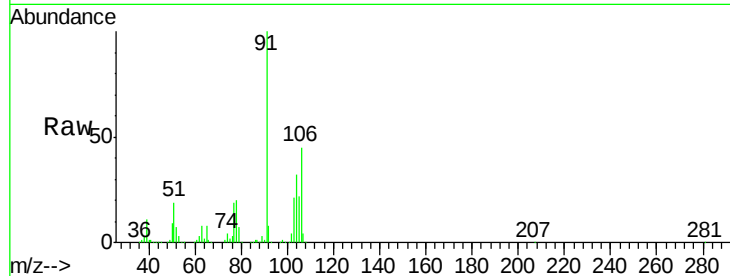




#69
o-Xylene
Concen: 46.587 ug/l
RT: 11.94 min Scan# 3163
Delta R.T. 0.00 min
Lab File: VN060433.D
Acq: 10 Mar 2020 21:26

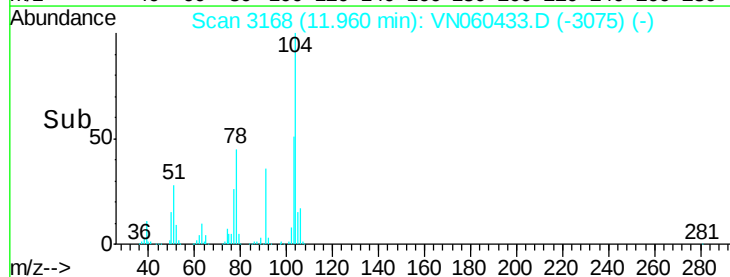
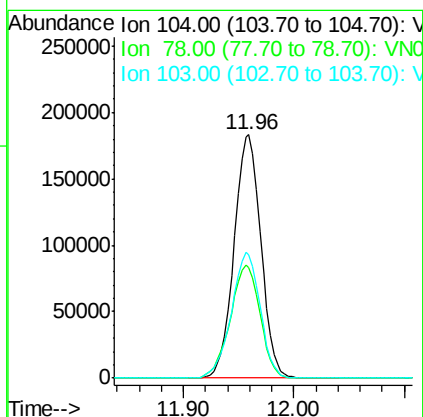
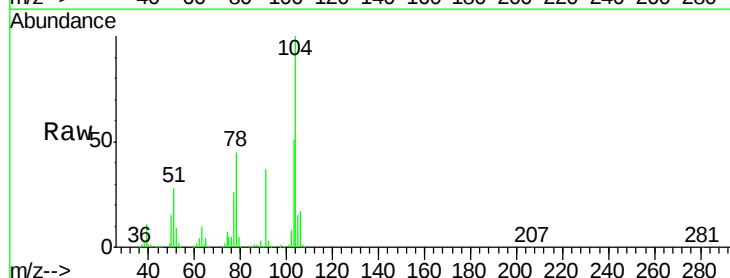
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

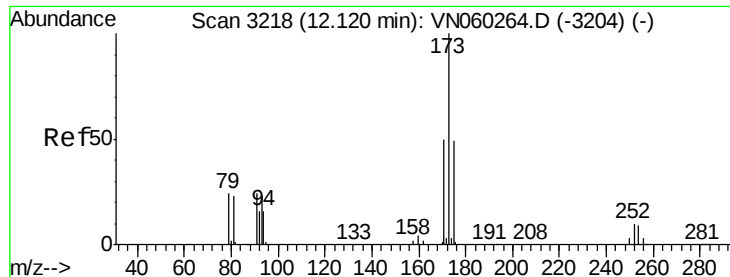
Tgt Ion:106 Resp: 185504
Ion Ratio Lower Upper
106 100
91 217.7 109.5 328.4



#70
Styrene
Concen: 47.197 ug/l
RT: 11.96 min Scan# 3168
Delta R.T. 0.00 min
Lab File: VN060433.D
Acq: 10 Mar 2020 21:26

Tgt Ion:104 Resp: 308990
Ion Ratio Lower Upper
104 100
78 51.4 41.2 61.8
103 55.4 43.9 65.9





#71

Bromoform

Concen: 50.499 ug/l

RT: 12.12 min Scan# 3219

Delta R.T. 0.00 min

Lab File: VN060433.D

Acq: 10 Mar 2020 21:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

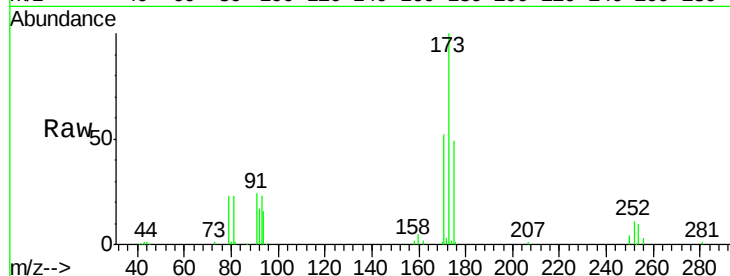
Tgt Ion:173 Resp: 81784

Ion Ratio Lower Upper

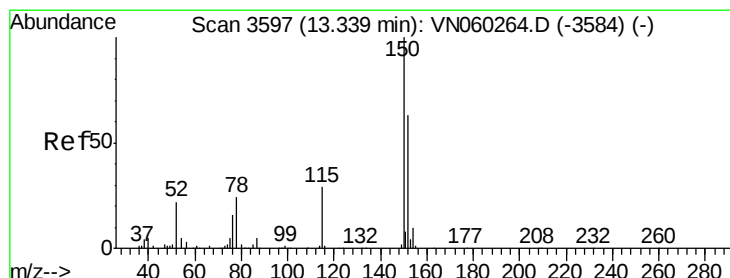
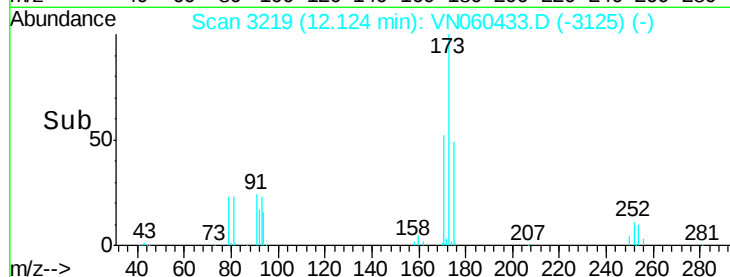
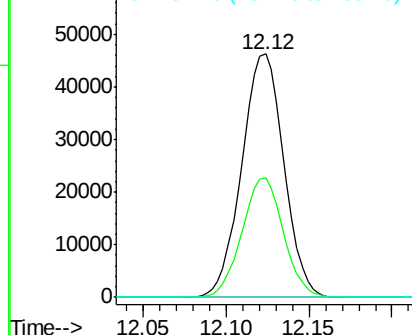
173 100

175 48.2 24.1 72.2

254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3597

Delta R.T. 0.00 min

Lab File: VN060433.D

Acq: 10 Mar 2020 21:26

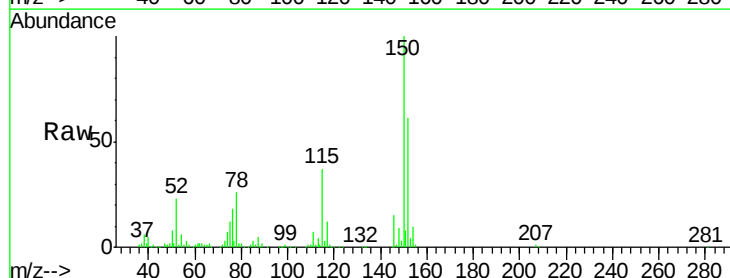
Tgt Ion:152 Resp: 148734

Ion Ratio Lower Upper

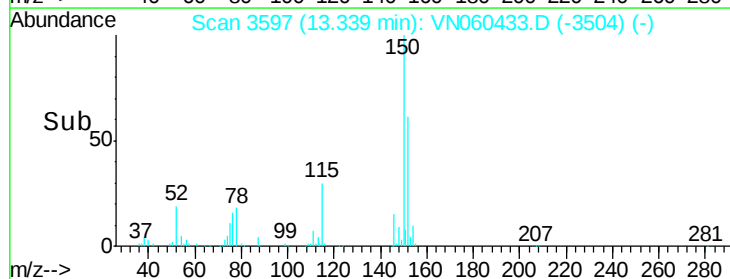
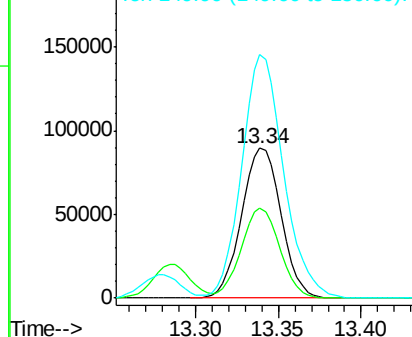
152 100

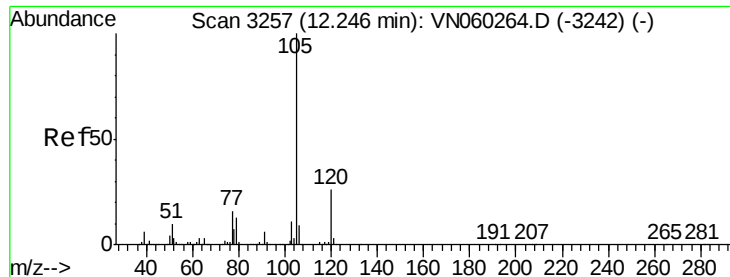
115 59.0 30.0 90.0

150 171.8 0.0 349.6



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 45.293 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. 0.00 min

Lab File: VN060433.D

Acq: 10 Mar 2020 21:26

Instrument :

MSVOA_N

ClientSampleId :

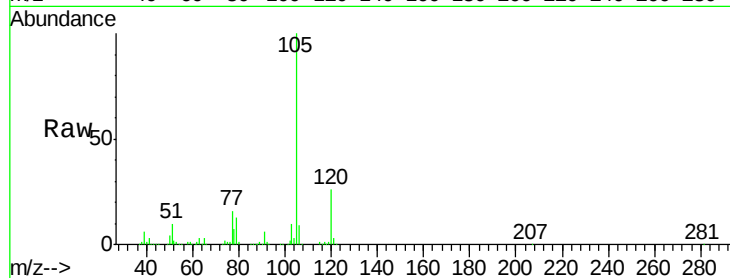
VSTDCCC050EC

Tgt Ion: 105 Resp: 499306

Ion Ratio Lower Upper

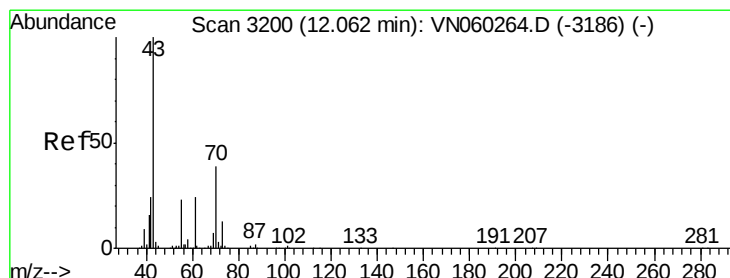
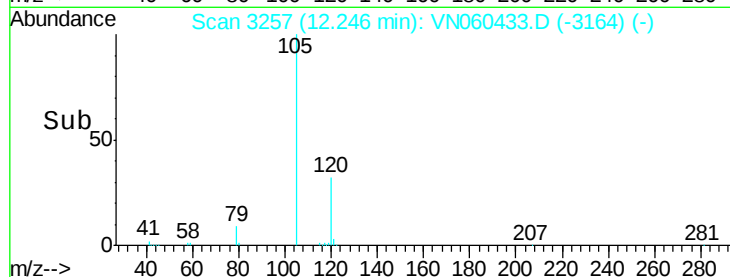
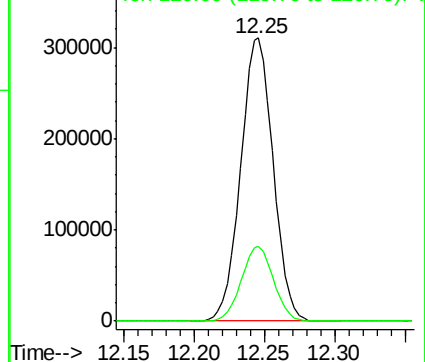
105 100

120 26.2 13.0 38.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 44.535 ug/l

RT: 12.07 min Scan# 3201

Delta R.T. 0.00 min

Lab File: VN060433.D

Acq: 10 Mar 2020 21:26

Tgt Ion: 43 Resp: 214533

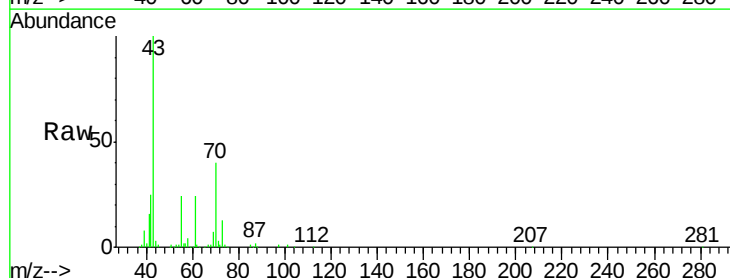
Ion Ratio Lower Upper

43 100

70 39.8 32.2 48.2

55 23.6 18.2 27.4

61 23.6 19.2 28.8

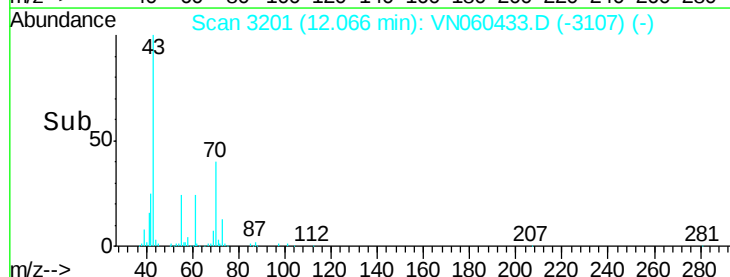
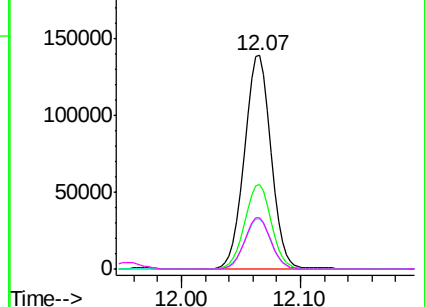


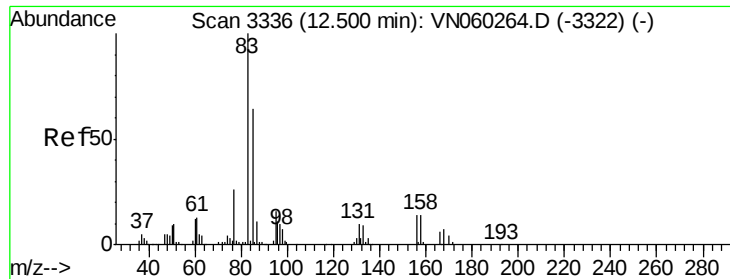
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 51.524 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN060433.D

Acq: 10 Mar 2020 21:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

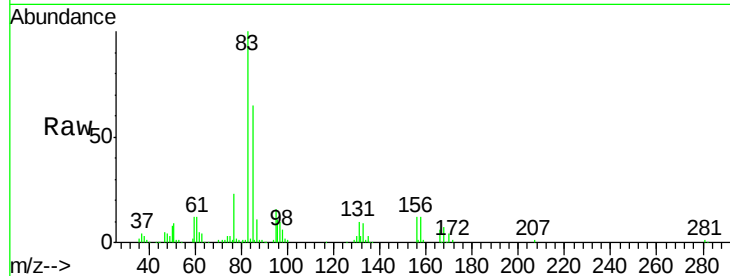
Tgt Ion: 83 Resp: 154396

Ion Ratio Lower Upper

83 100

131 9.9 5.1 15.3

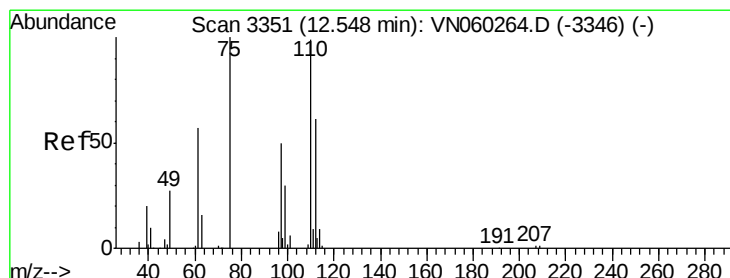
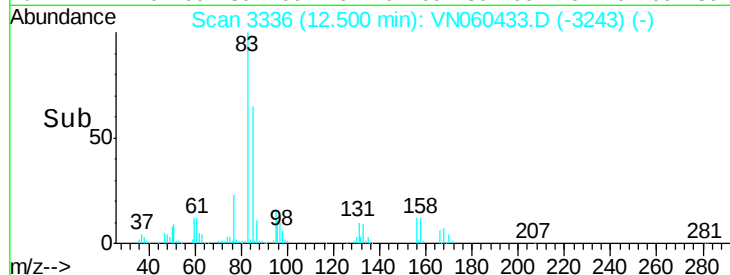
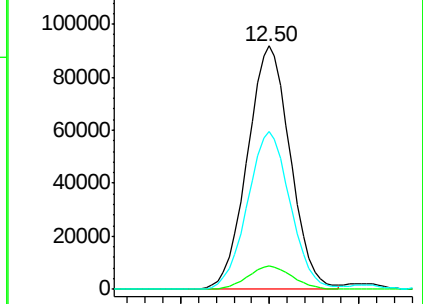
85 64.5 32.3 96.8



Abundance Ion 82.90 (82.60 to 83.60): VN060433.D (-3243) (-)

Ion 130.80 (130.50 to 131.50): VN060433.D (-3243) (-)

Ion 84.90 (84.60 to 85.60): VN060433.D (-3243) (-)



#76

1,2,3-Trichloropropane

Concen: 63.060 ug/l

RT: 12.55 min Scan# 3351

Delta R.T. 0.00 min

Lab File: VN060433.D

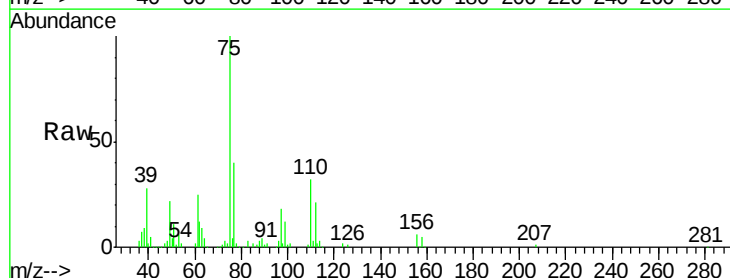
Acq: 10 Mar 2020 21:26

Tgt Ion: 75 Resp: 205781

Ion Ratio Lower Upper

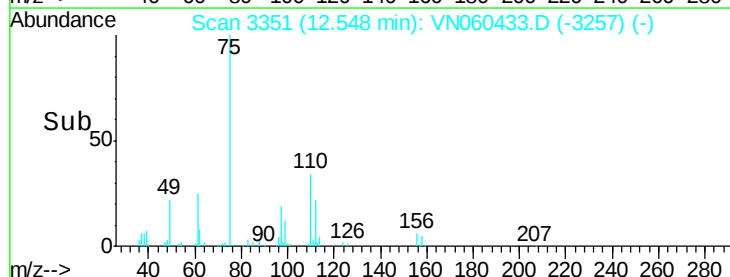
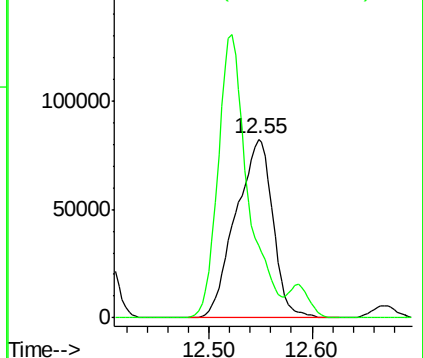
75 100

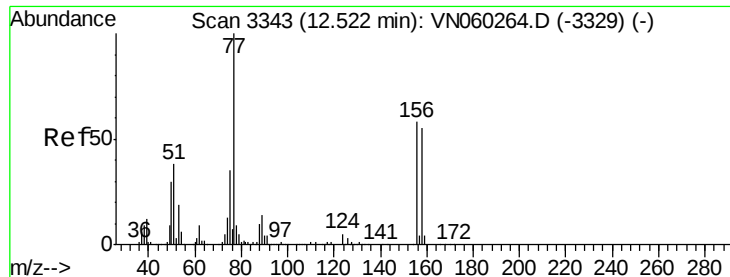
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN060433.D (-3257) (-)

Ion 77.00 (76.70 to 77.70): VN060433.D (-3257) (-)

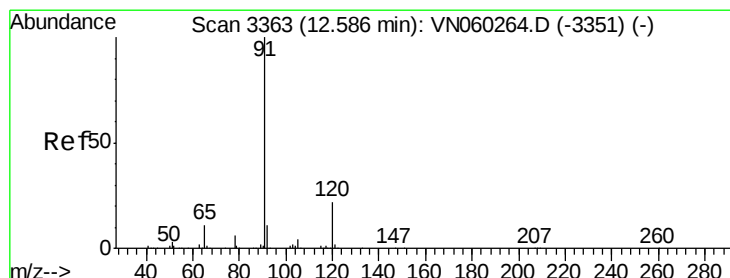
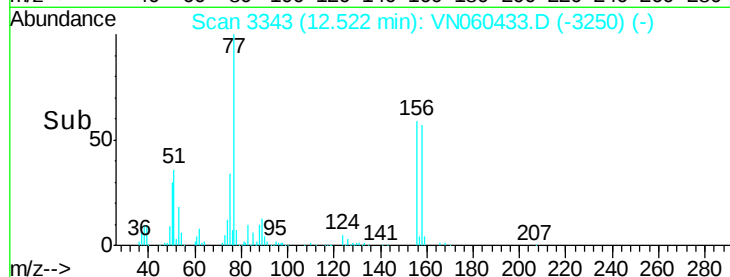
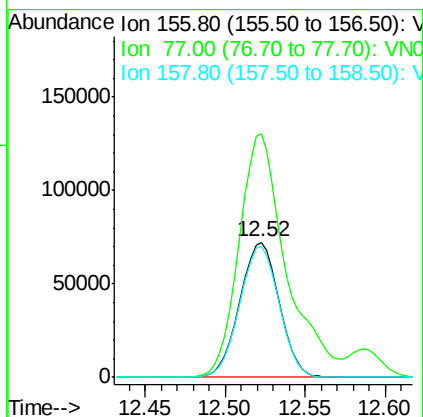
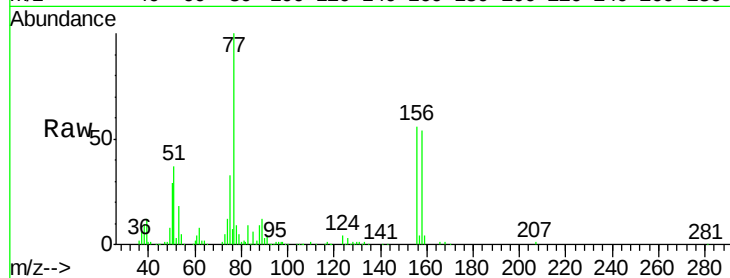




#77
Bromobenzene
Concen: 45.053 ug/l
RT: 12.52 min Scan# 3343
Delta R.T. 0.00 min
Lab File: VN060433.D
Acq: 10 Mar 2020 21:26

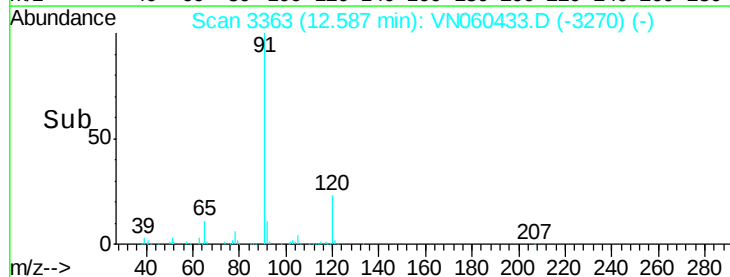
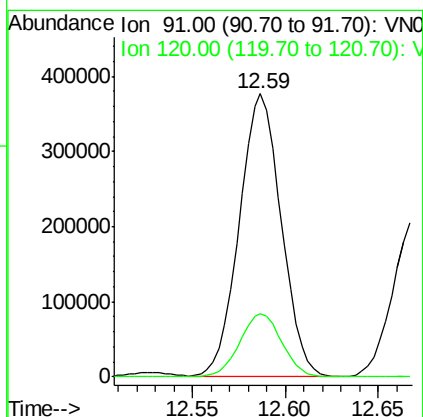
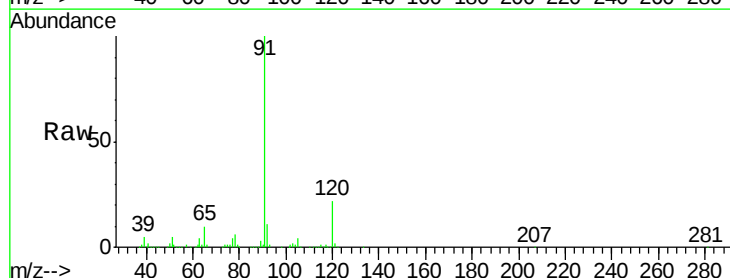
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

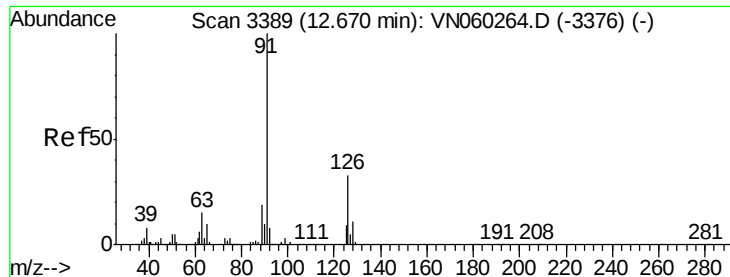
Tgt Ion:156 Resp: 121745
Ion Ratio Lower Upper
156 100
77 215.6 106.1 318.3
158 97.0 48.3 144.8



#78
n-propylbenzene
Concen: 45.459 ug/l
RT: 12.59 min Scan# 3363
Delta R.T. 0.00 min
Lab File: VN060433.D
Acq: 10 Mar 2020 21:26

Tgt Ion: 91 Resp: 587433
Ion Ratio Lower Upper
91 100
120 22.5 11.3 33.9





#79

2-Chlorotoluene

Concen: 45.470 ug/l

RT: 12.67 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VN060433.D

Acq: 10 Mar 2020 21:26

Instrument :

MSVOA_N

ClientSampleId :

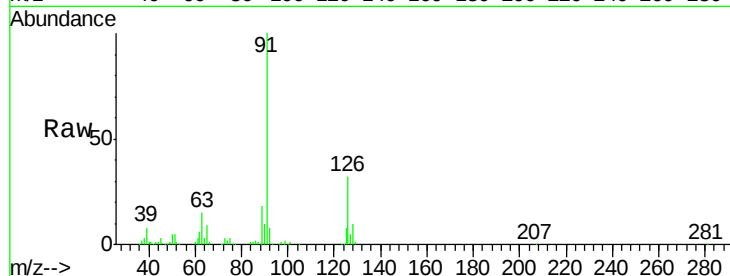
VSTDCCC050EC

Tgt Ion: 91 Resp: 345388

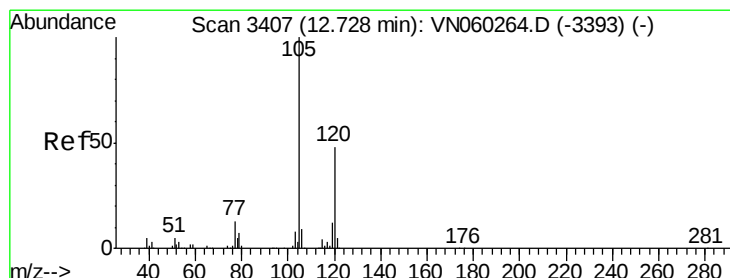
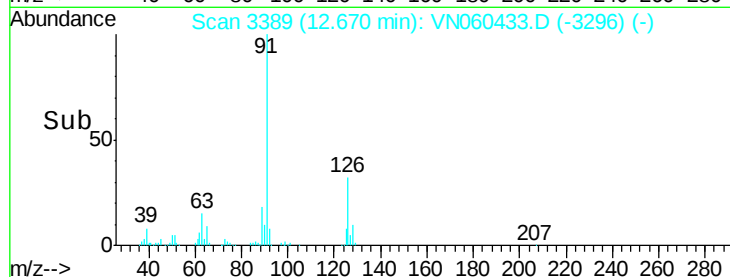
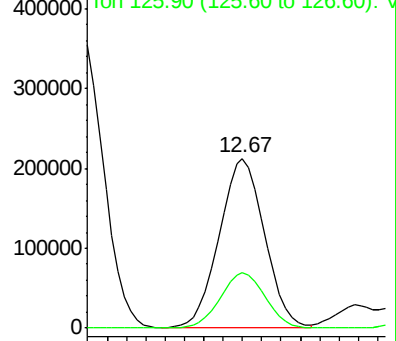
Ion Ratio Lower Upper

91 100

126 32.6 16.6 49.8



Abundance Ion 91.00 (90.70 to 91.70): VN060264.D (-3376) (-)



#80

1,3,5-Trimethylbenzene

Concen: 45.177 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. 0.00 min

Lab File: VN060433.D

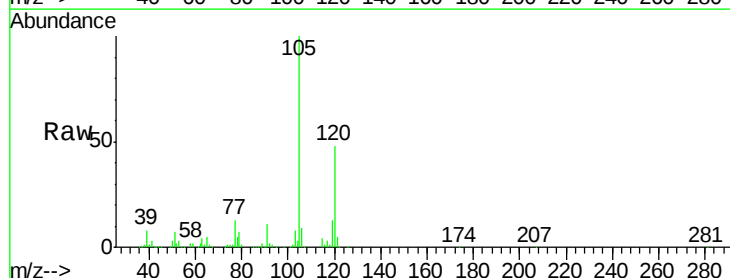
Acq: 10 Mar 2020 21:26

Tgt Ion: 105 Resp: 419322

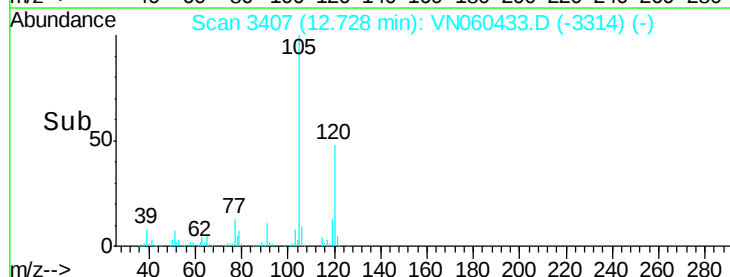
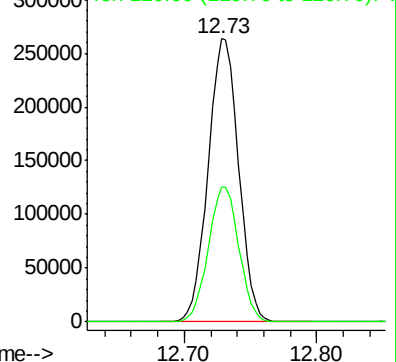
Ion Ratio Lower Upper

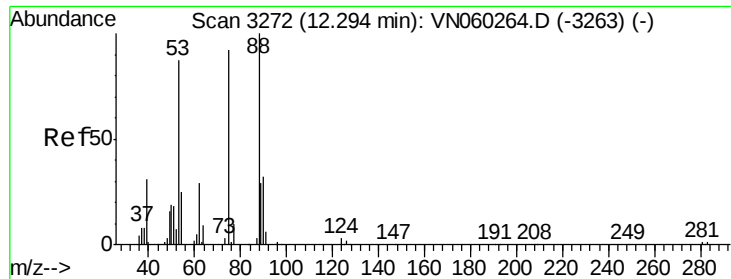
105 100

120 47.9 24.1 72.4



Abundance Ion 105.00 (104.70 to 105.70): VN060264.D (-3393) (-)

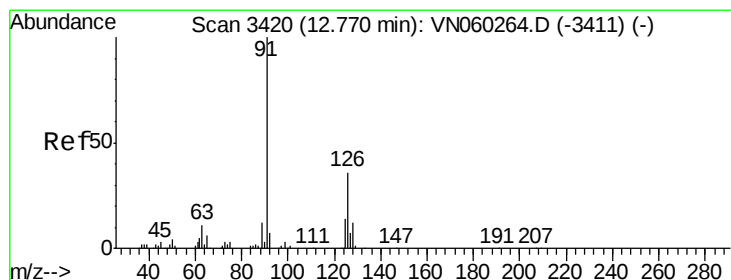
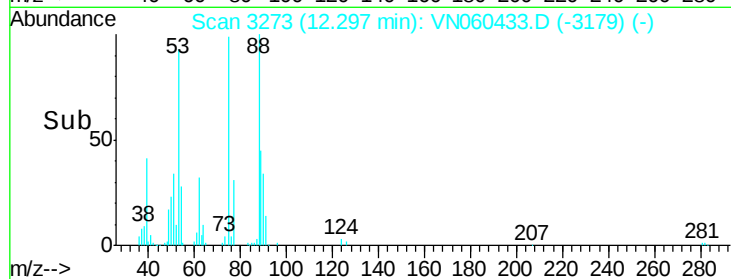
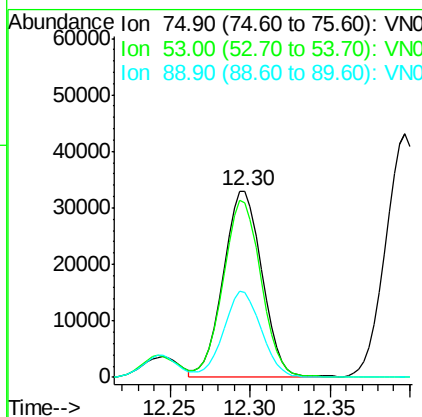
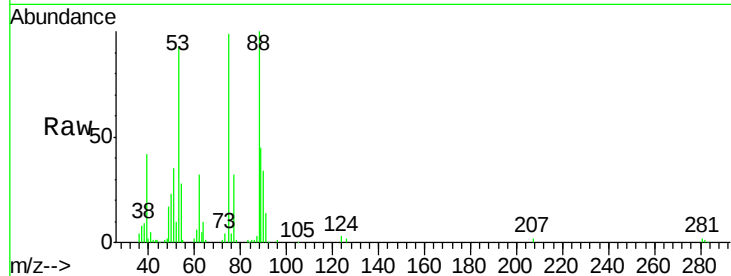




#81
trans-1,4-Dichloro-2-butene
Concen: 46.293 ug/l
RT: 12.30 min Scan# 3273
Delta R.T. 0.00 min
Lab File: VN060433.D
Acq: 10 Mar 2020 21:26

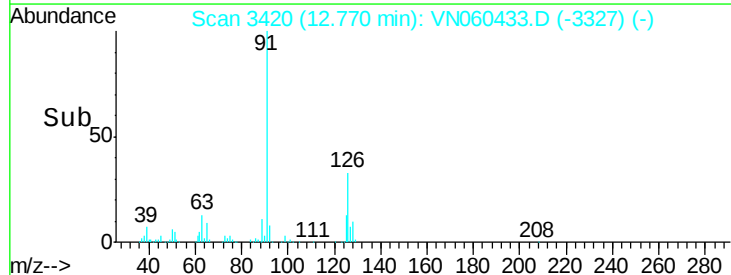
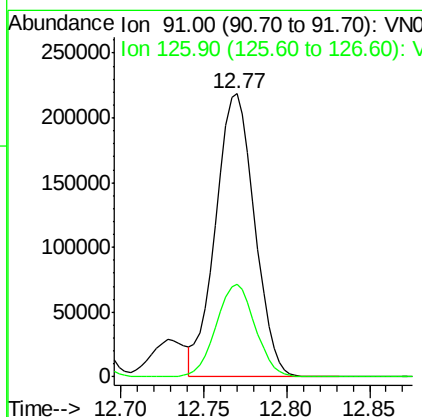
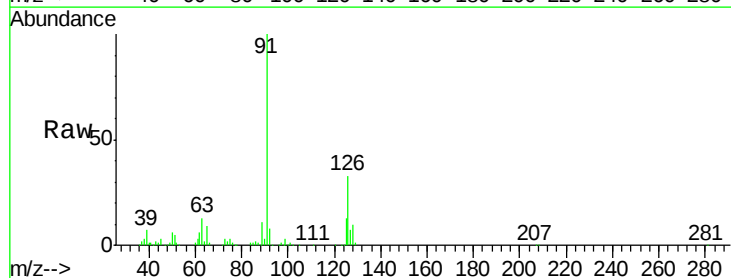
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

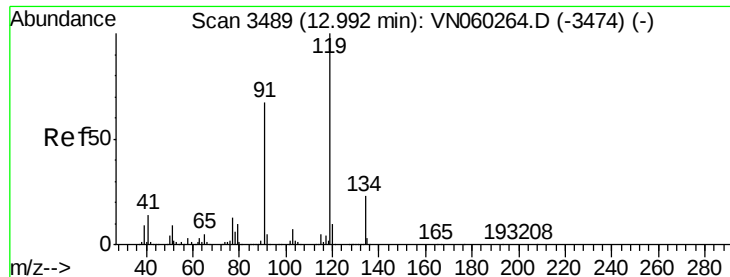
Tgt Ion: 75 Resp: 54724
Ion Ratio Lower Upper
75 100
53 92.7 73.8 110.6
89 44.7 57.1 85.7#



#82
4-Chlorotoluene
Concen: 44.639 ug/l
RT: 12.77 min Scan# 3420
Delta R.T. 0.00 min
Lab File: VN060433.D
Acq: 10 Mar 2020 21:26

Tgt Ion: 91 Resp: 357238
Ion Ratio Lower Upper
91 100
126 32.7 16.7 50.1

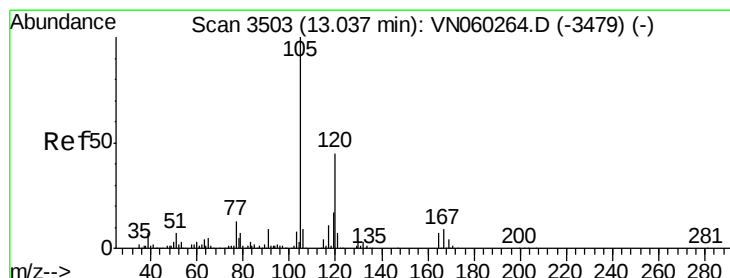
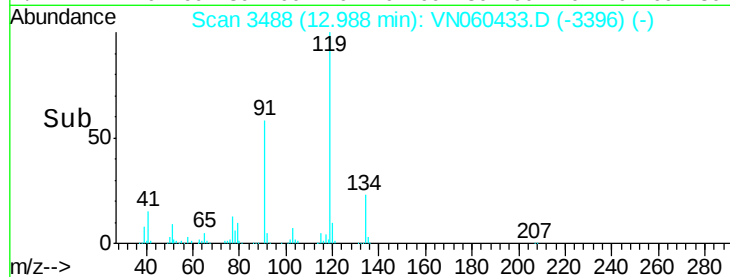
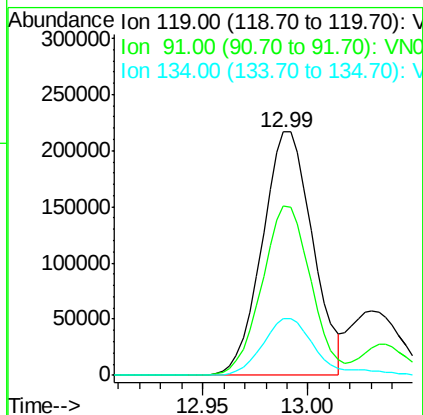
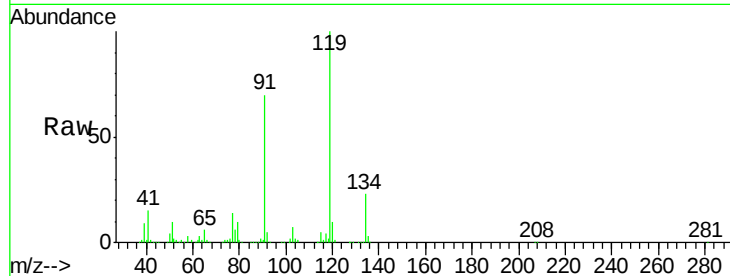




#83
 tert-Butylbenzene
 Concen: 44.809 ug/l
 RT: 12.99 min Scan# 3488
 Delta R.T. -0.00 min
 Lab File: VN060433.D
 Acq: 10 Mar 2020 21:26

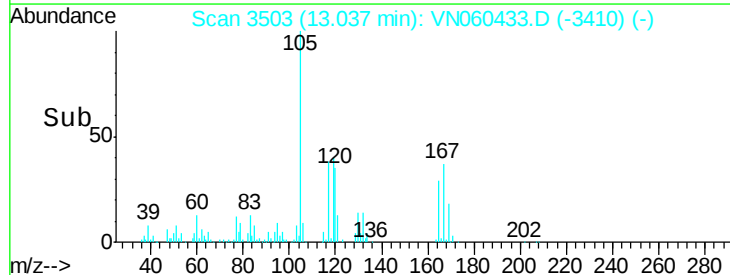
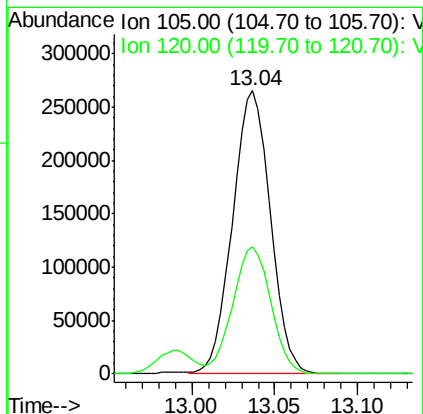
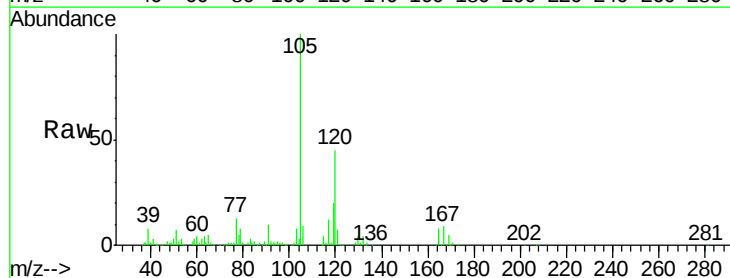
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

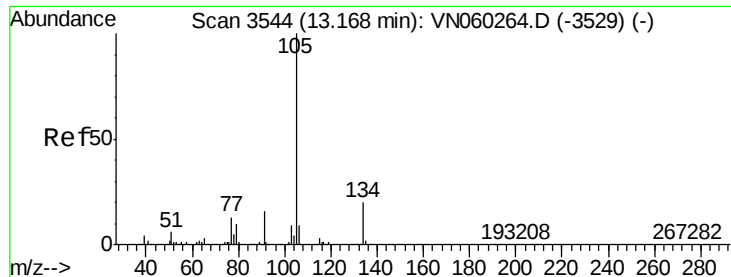
Tgt Ion:119 Resp: 360090
 Ion Ratio Lower Upper
 119 100
 91 67.5 33.1 99.2
 134 24.9 12.4 37.0



#84
 1,2,4-Trimethylbenzene
 Concen: 44.834 ug/l
 RT: 13.04 min Scan# 3503
 Delta R.T. 0.00 min
 Lab File: VN060433.D
 Acq: 10 Mar 2020 21:26

Tgt Ion:105 Resp: 420021
 Ion Ratio Lower Upper
 105 100
 120 45.2 22.3 66.9

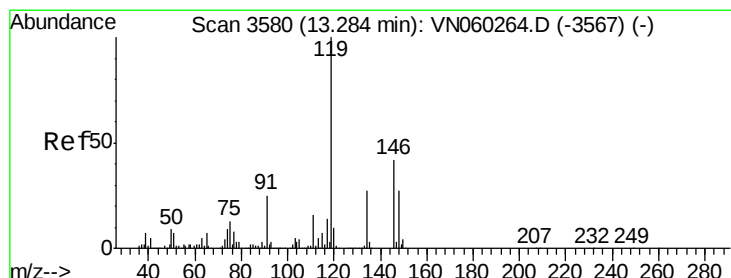
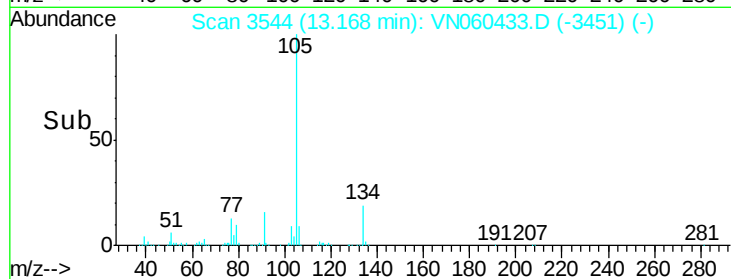
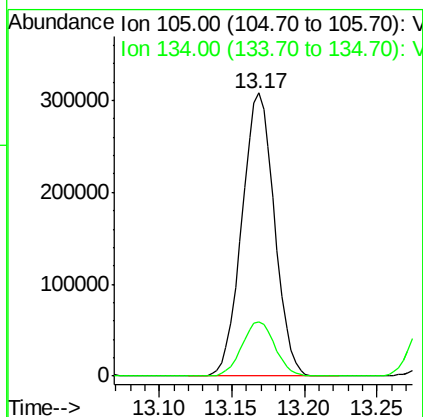
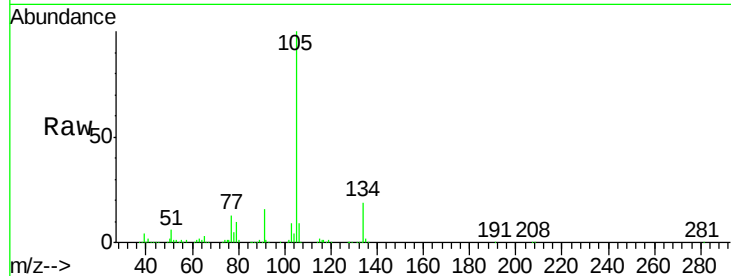




#85
 sec-Butylbenzene
 Concen: 44.680 ug/l
 RT: 13.17 min Scan# 3544
 Delta R.T. 0.00 min
 Lab File: VN060433.D
 Acq: 10 Mar 2020 21:26

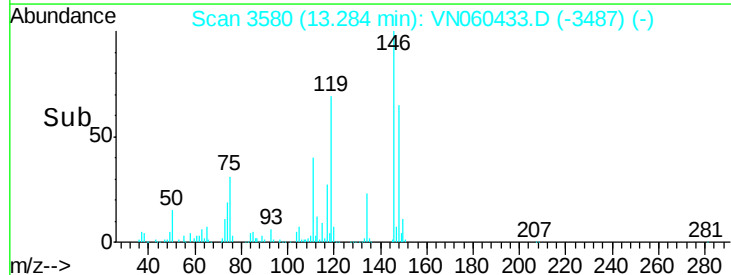
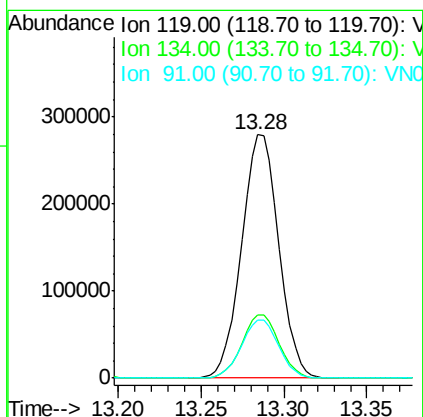
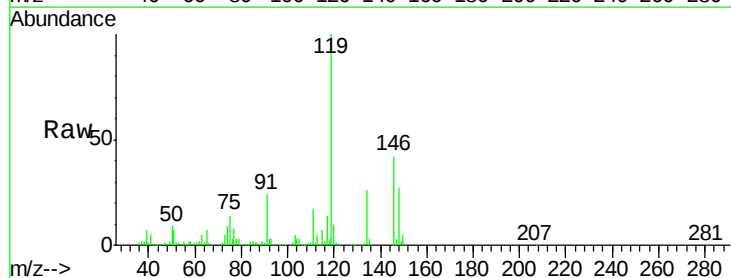
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

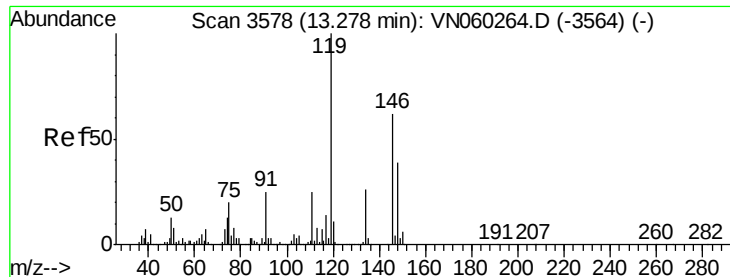
Tgt Ion:105 Resp: 480808
 Ion Ratio Lower Upper
 105 100
 134 19.5 9.8 29.5



#86
 p-Isopropyltoluene
 Concen: 43.554 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN060433.D
 Acq: 10 Mar 2020 21:26

Tgt Ion:119 Resp: 433800
 Ion Ratio Lower Upper
 119 100
 134 26.1 13.2 39.6
 91 24.1 12.2 36.6

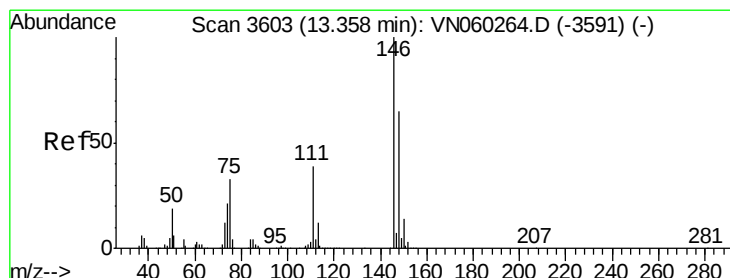
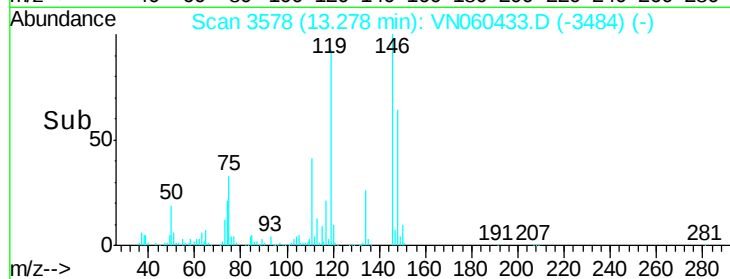
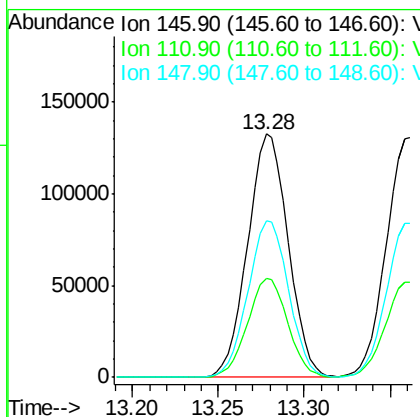
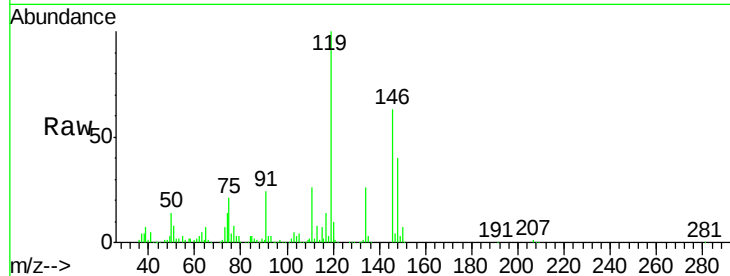




#87
 1,3-Dichlorobenzene
 Concen: 46.803 ug/l
 RT: 13.28 min Scan# 3578
 Delta R.T. 0.00 min
 Lab File: VN060433.D
 Acq: 10 Mar 2020 21:26

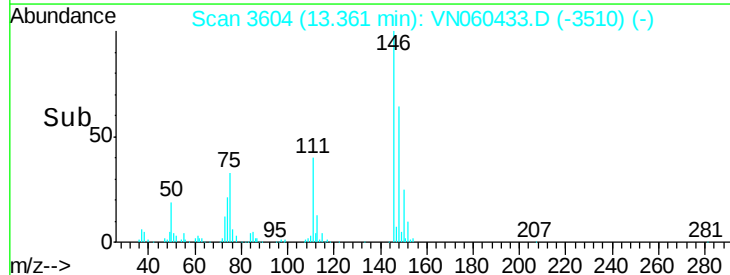
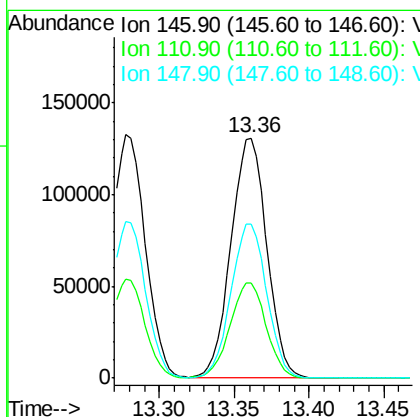
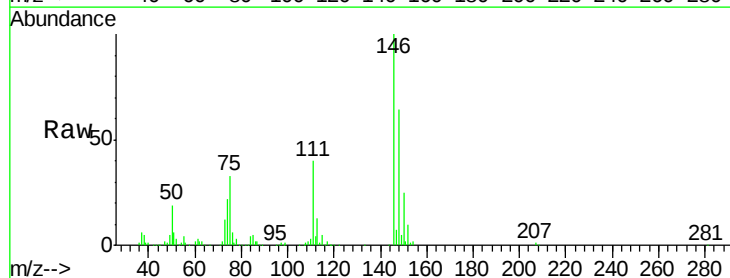
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 MSVOA_N
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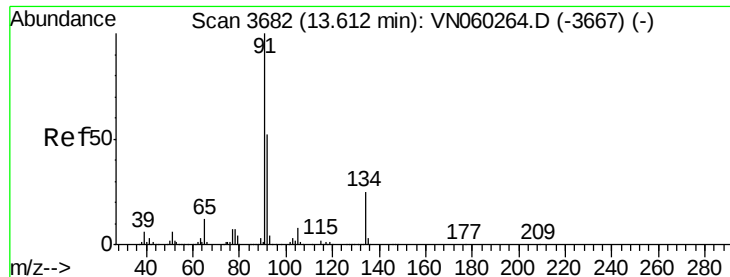
Tgt Ion:146 Resp: 217377
 Ion Ratio Lower Upper
 146 100
 111 40.3 20.0 59.9
 148 64.3 32.1 96.3



#88
 1,4-Dichlorobenzene
 Concen: 47.200 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN060433.D
 Acq: 10 Mar 2020 21:26

Tgt Ion:146 Resp: 218015
 Ion Ratio Lower Upper
 146 100
 111 40.1 19.8 59.4
 148 64.2 32.3 96.9

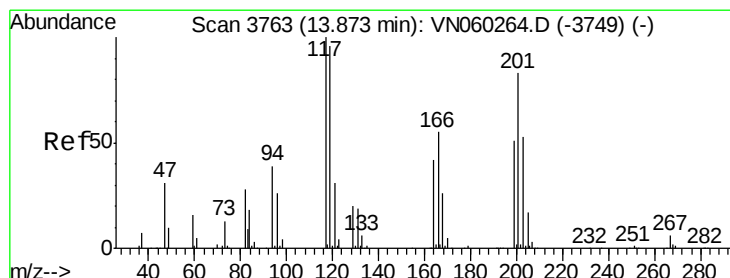
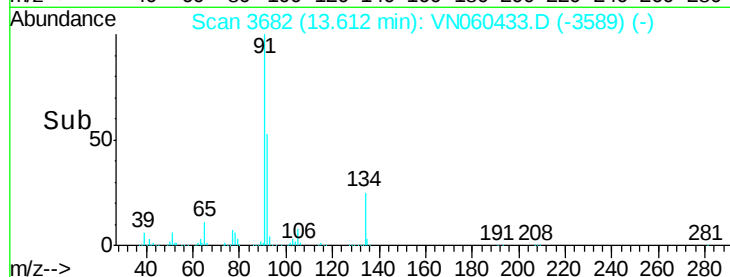
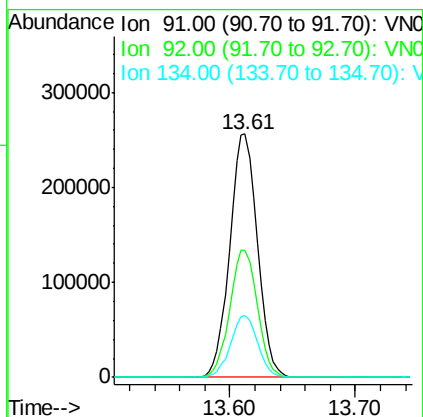
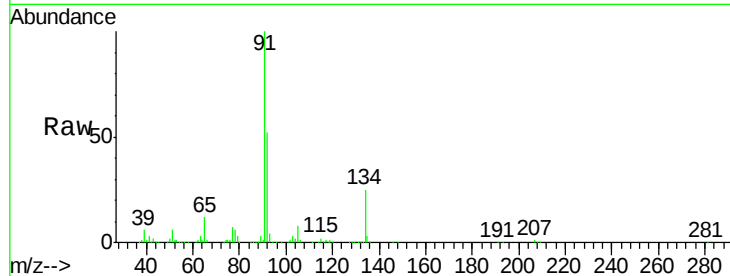




#89
n-Butylbenzene
Concen: 42.812 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN060433.D
Acq: 10 Mar 2020 21:26

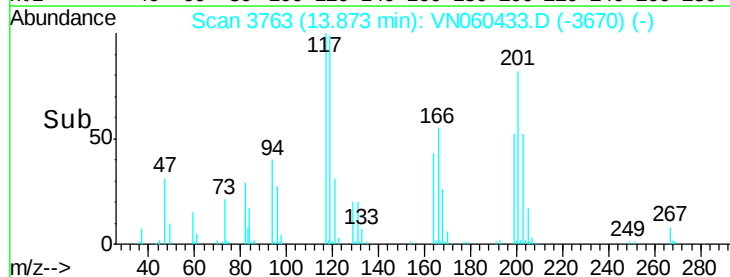
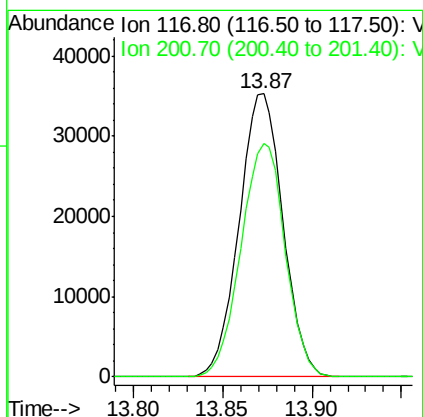
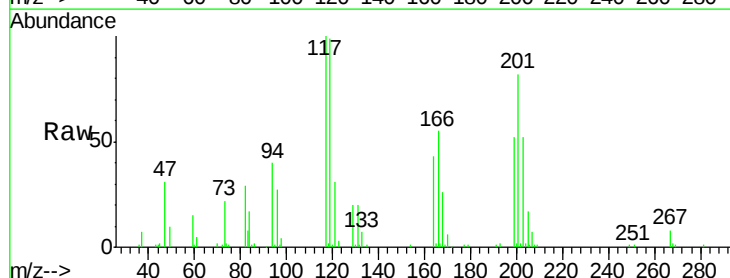
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

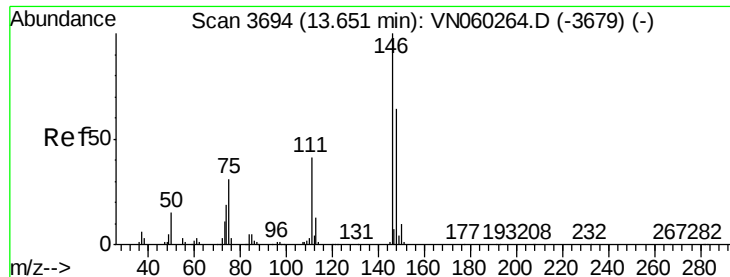
Tgt Ion: 91 Resp: 391437
Ion Ratio Lower Upper
91 100
92 52.3 26.0 78.0
134 25.1 12.7 38.1



#90
Hexachloroethane
Concen: 41.856 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN060433.D
Acq: 10 Mar 2020 21:26

Tgt Ion: 117 Resp: 60343
Ion Ratio Lower Upper
117 100
201 83.2 41.0 123.0





#91

1,2-Dichlorobenzene

Concen: 44.984 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. 0.00 min

Lab File: VN060433.D

Acq: 10 Mar 2020 21:26

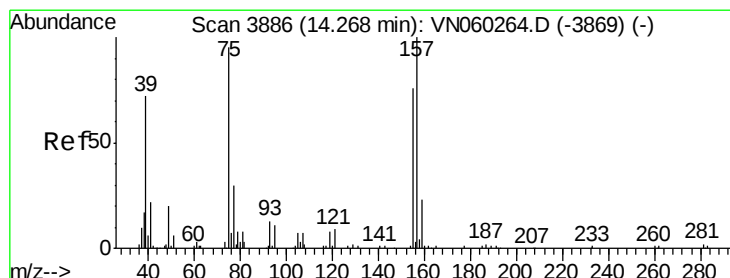
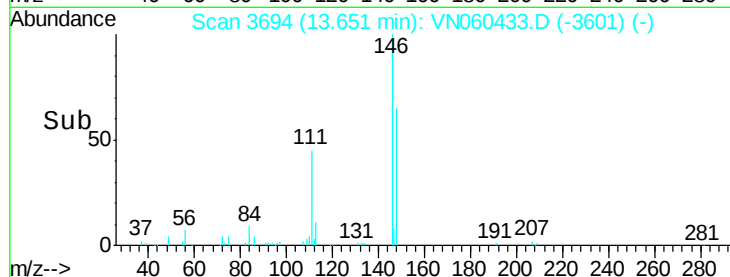
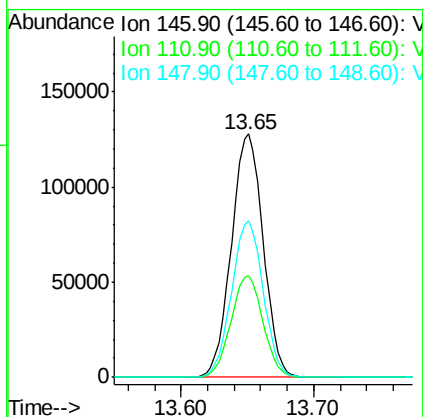
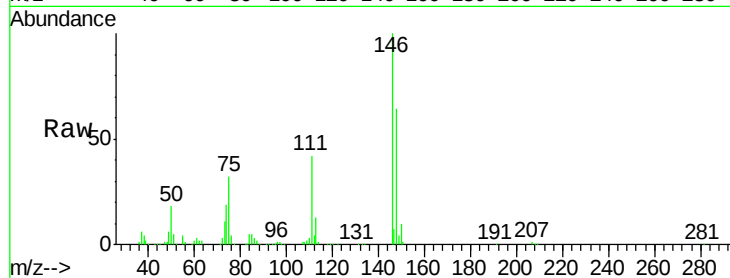
Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion:	146	Resp:	212999
Ion	Ratio	Lower	Upper
146	100		
111	41.7	20.3	61.0
148	63.9	31.8	95.3



#92

1,2-Dibromo-3-Chloropropane

Concen: 46.744 ug/l

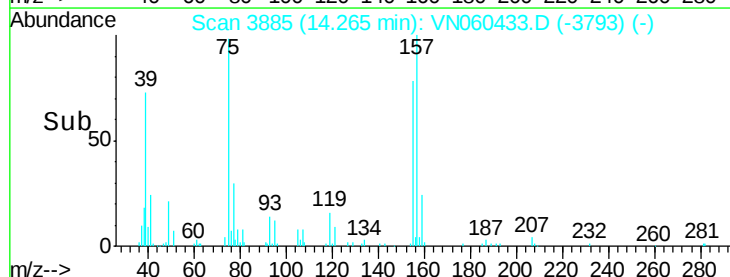
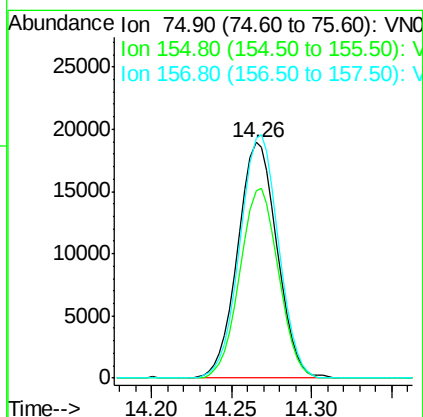
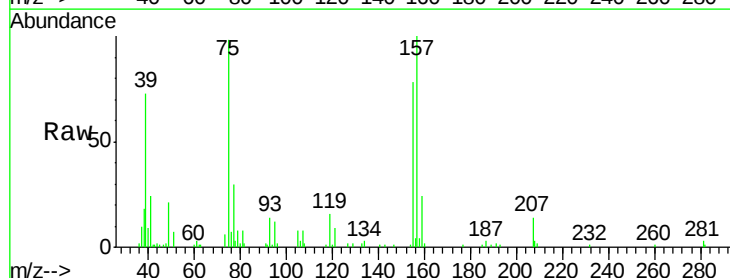
RT: 14.26 min Scan# 3885

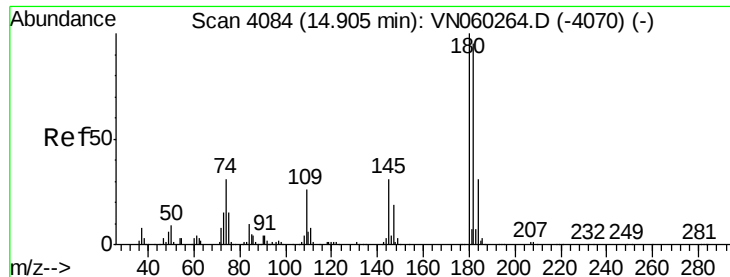
Delta R.T. -0.00 min

Lab File: VN060433.D

Acq: 10 Mar 2020 21:26

Tgt Ion:	75	Resp:	31720
Ion	Ratio	Lower	Upper
75	100		
155	79.0	40.4	121.2
157	101.3	52.5	157.5

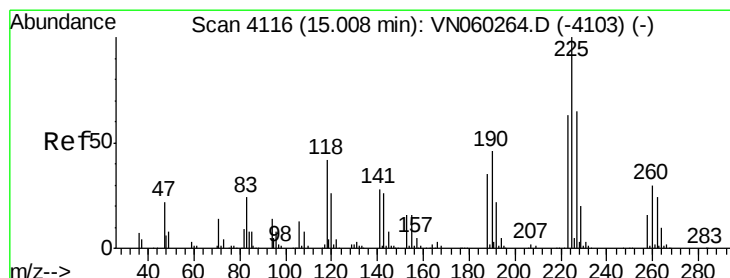
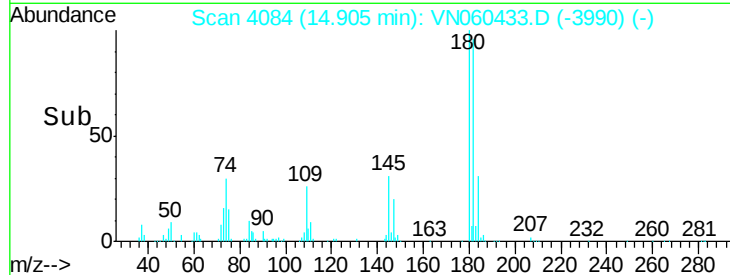
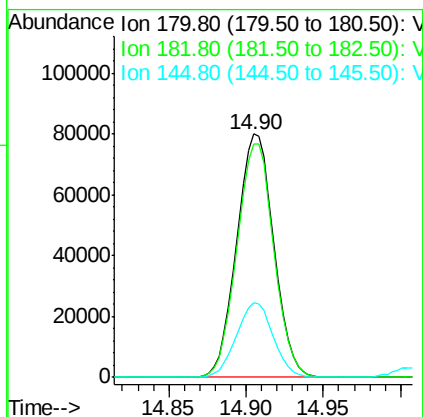
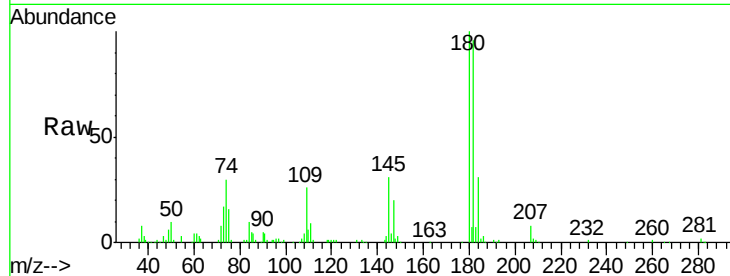




#93
 1,2,4-Trichlorobenzene
 Concen: 44.297 ug/l
 RT: 14.90 min Scan# 4084
 Delta R.T. 0.00 min
 Lab File: VN060433.D
 Acq: 10 Mar 2020 21:26

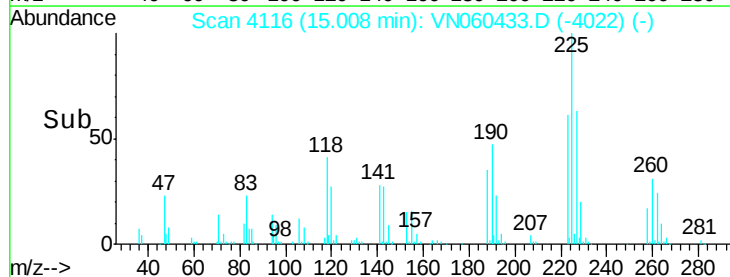
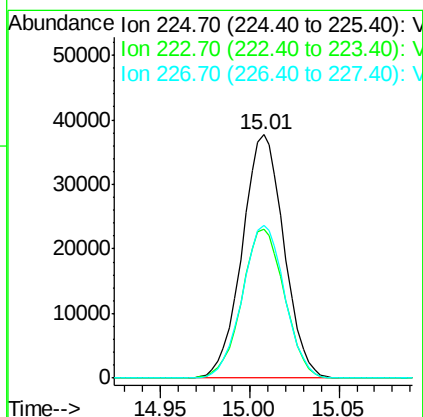
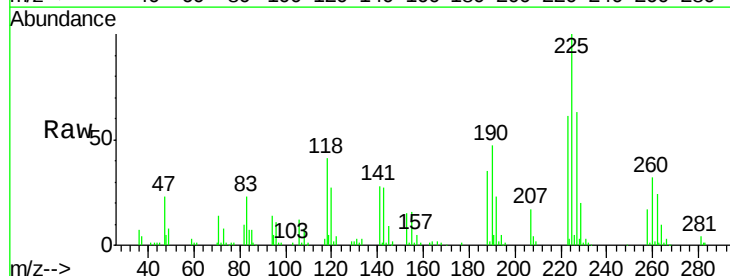
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

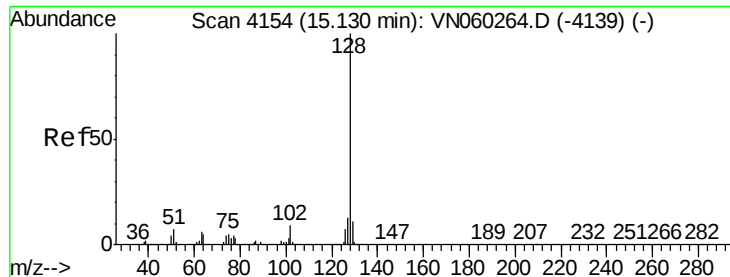
Tgt Ion:180 Resp: 133248
 Ion Ratio Lower Upper
 180 100
 182 95.6 47.8 143.3
 145 30.4 15.4 46.1



#94
 Hexachlorobutadiene
 Concen: 44.585 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN060433.D
 Acq: 10 Mar 2020 21:26

Tgt Ion:225 Resp: 61749
 Ion Ratio Lower Upper
 225 100
 223 62.1 31.3 93.9
 227 63.4 32.3 96.9

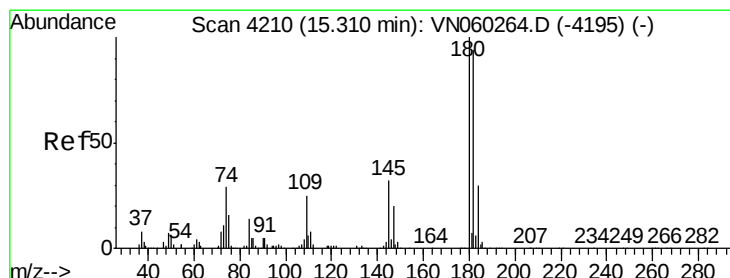
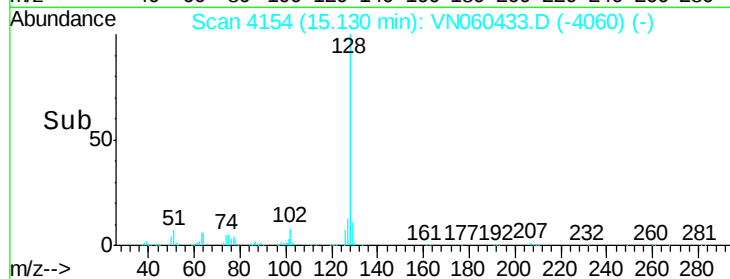
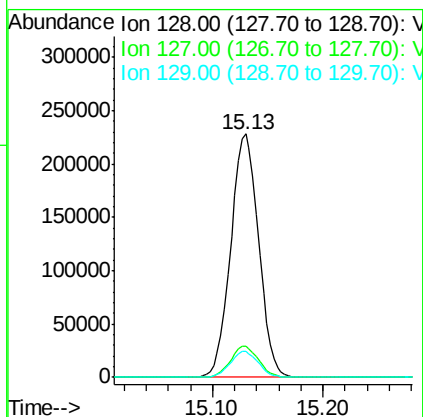
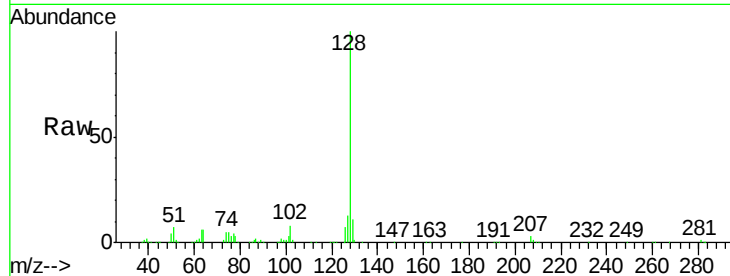




#95
Naphthalene
Concen: 45.044 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN060433.D
Acq: 10 Mar 2020 21:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:128 Resp: 399419
Ion Ratio Lower Upper
128 100
127 12.8 10.4 15.6
129 10.7 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 45.236 ug/l
RT: 15.31 min Scan# 4210
Delta R.T. 0.00 min
Lab File: VN060433.D
Acq: 10 Mar 2020 21:26

Tgt Ion:180 Resp: 128226
Ion Ratio Lower Upper
180 100
182 94.9 47.3 142.0
145 32.3 16.2 48.5

