

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN082319\
 Data File : VN057473.D
 Acq On : 23 Aug 2019 14:40
 Operator : JC/SP
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Quant Time: Aug 23 23:21:15 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N082319W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Aug 23 23:15:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.17	128	66861	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.57	114	377977	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.40	117	320125	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.01	65	193432	30.01	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	100.03%
60) 4-Bromofluorobenzene	12.40	95	152374	28.86	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	96.20%
63) Toluene-d8	10.08	98	490837	30.36	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.20%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.84	85	73913	21.131 ug/l	99
3) Chloromethane	2.05	50	112317	21.383 ug/l	98
4) Vinyl Chloride	2.17	62	140429	21.045 ug/l	98
5) Bromomethane	2.54	94	91685	21.239 ug/l	98
6) Chloroethane	2.69	64	92499	20.695 ug/l	99
7) Trichlorofluoromethane	3.00	101	223780	21.085 ug/l	92
8) Diethyl Ether	3.39	74	84267	20.667 ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.72	101	123793	20.709 ug/l	97
10) 1,1-Dichloroethene	3.71	96	120364	20.856 ug/l	94
11) Methyl Iodide	3.92	142	90374	17.421 ug/l	97
12) Methyl Acetate	4.30	43	116463	20.033 ug/l	98
13) Acrolein	3.58	56	70835	95.805 ug/l	97
14) Acrylonitrile	4.97	53	213236	105.581 ug/l #	81
15) Acetone	3.80	58	84380	89.310 ug/l	93
16) Carbon Disulfide	4.02	76	206450	20.084 ug/l	100
17) Allyl chloride	4.29	41	161839	20.556 ug/l	94
18) Methylene Chloride	4.52	84	50833	12.011 ug/l	98
19) trans-1,2-Dichloroethene	5.00	96	78082	19.591 ug/l	94
20) Diisopropyl ether	5.93	45	349536	20.795 ug/l	95
21) 1,1-Dichloroethane	5.82	63	180271	20.640 ug/l	97
22) cis-1,2-Dichloroethene	6.81	96	96741	19.957 ug/l	96
23) tert-Butyl Alcohol	4.78	59	39777	54.218 ug/l #	100
24) Methyl tert-Butyl Ether	5.02	73	275664	20.675 ug/l	99
25) Chloroform	7.36	83	176329	20.334 ug/l	98
26) Cyclohexane	7.63	56	152677	19.631 ug/l #	98
29) 1,1-Dichloropropene	7.77	75	130637	20.336 ug/l	98
30) 2-Butanone	6.82	43	311400	100.826 ug/l	99
31) 2,2-Dichloropropane	6.80	77	143002	19.484 ug/l	99
32) 1,1,1-Trichloroethane	7.55	97	152210	20.727 ug/l	99
33) Carbon Tetrachloride	7.76	117	122796	20.137 ug/l	100
34) Benzene	8.03	78	381792	20.211 ug/l	100
35) Methacrylonitrile	7.16	41	66597	21.306 ug/l	90
36) 1,2-Dichloroethane	8.11	62	156815	21.177 ug/l #	89
37) Trichloroethene	8.82	130	86574	20.088 ug/l	99
38) Methylcyclohexane	9.07	83	141209	19.585 ug/l	99
39) 1,2-Dichloropropane	9.11	63	109964	20.473 ug/l	97
40) Dibromomethane	9.20	93	66682	20.313 ug/l	97

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

41) Bromodichloromethane	9.40	83	137053	19.685	ug/l	96
42) Vinyl Acetate	5.88	43	1403748	101.565	ug/l	100
43) Ethyl Acetate	6.92	43	136152	22.648	ug/l	95
44) Isopropyl Acetate	8.16	43	234084	20.398	ug/l #	92
45) 1,4-Dioxane	9.20	88	29288	424.588	ug/l	97
46) Methyl methacrylate	9.19	41	108361	19.883	ug/l	98
47) n-amyl Acetate	12.07	43	182032	19.708	ug/l	100
48) t-1,3-Dichloropropene	10.38	75	140357	19.083	ug/l	96
49) cis-1,3-Dichloropropene	9.83	75	156167	19.319	ug/l	99
50) 1,1,2-Trichloroethane	10.56	97	87515	20.331	ug/l	98
51) Ethyl methacrylate	10.43	69	146821	20.519	ug/l	98
52) 1,3-Dichloropropane	10.70	76	159041	20.266	ug/l	100
53) Dibromochloromethane	10.90	129	90655	19.756	ug/l	99
54) 1,2-Dibromoethane	11.00	107	87796	19.934	ug/l	100
55) 2-Chloroethyl vinyl ether	9.69	63	311943	176.856	ug/l	99
56) Bromoform	12.13	173	52750	19.261	ug/l #	97
58) 4-Methyl-2-Pentanone	9.98	43	672937	107.154	ug/l	99
59) 2-Hexanone	10.75	43	461050	105.917	ug/l	98
61) Tetrachloroethene	10.63	164	77694	21.163	ug/l	91
62) Toluene	10.15	91	402124	20.553	ug/l	99
64) Chlorobenzene	11.43	112	217294	20.429	ug/l	98
65) 1,1,1,2-Tetrachloroethane	11.51	131	84443	20.890	ug/l	97
66) Ethyl Benzene	11.51	91	420873	20.100	ug/l	100
67) m/p-Xylenes	11.62	106	293292	40.383	ug/l	97
68) o-Xylene	11.95	106	147797	20.592	ug/l	99
69) Styrene	11.96	104	228906	19.965	ug/l	98
70) Isopropylbenzene	12.25	105	388403	20.229	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.51	83	115815	20.858	ug/l	98
72) 1,2,3-Trichloropropane	12.55	75	149201	29.601	ug/l	62
73) Bromobenzene	12.53	156	78999	20.327	ug/l	99
74) n-propylbenzene	12.59	91	418587	19.119	ug/l	100
75) 2-Chlorotoluene	12.67	91	254698	19.753	ug/l	99
76) 1,3,5-Trimethylbenzene	12.73	105	315030	19.992	ug/l	97
77) t-1,4-Dichloro-2-butene	12.30	75	35405	19.588	ug/l	96
78) 4-Chlorotoluene	12.77	91	230730	18.938	ug/l	100
79) tert-butylbenzene	12.99	119	263258	19.634	ug/l	98
80) 1,2,4-Trimethylbenzene	13.04	105	291572	19.848	ug/l	98
81) sec-Butylbenzene	13.17	105	343323	19.431	ug/l	99
82) p-Isopropyltoluene	13.29	119	281936	18.980	ug/l	99
83) 1,3-Dichlorobenzene	13.29	146	117579	19.435	ug/l	97
84) 1,4-Dichlorobenzene	13.37	146	108965	18.514	ug/l	99
85) n-Butylbenzene	13.62	91	242206	18.703	ug/l	97
86) Hexachloroethane	13.88	117	59256	19.770	ug/l	98
87) 1,2-Dichlorobenzene	13.66	146	117447	19.767	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	18826	20.204	ug/l	98
89) 1,2,4-Trichlorobenzene	14.91	180	33432	15.017	ug/l	97
90) Hexachlorobutadiene	15.01	225	35369	20.664	ug/l	96
91) Naphthalene	15.13	128	109128	19.909	ug/l	99
92) 1,2,3-Trichlorobenzene	15.30	180	37084	16.657	ug/l	98

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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Aug 23 23:15:31 2019
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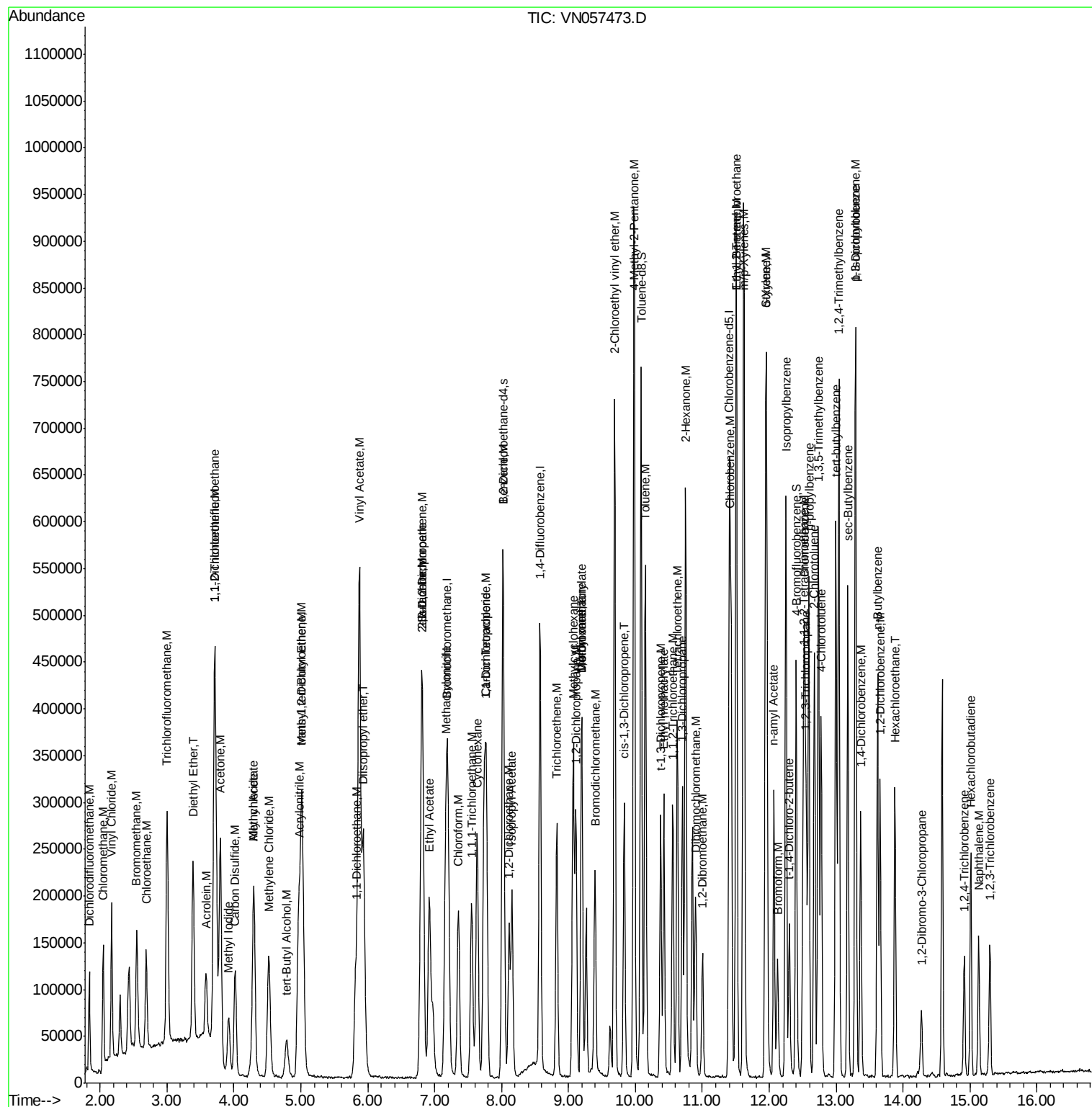
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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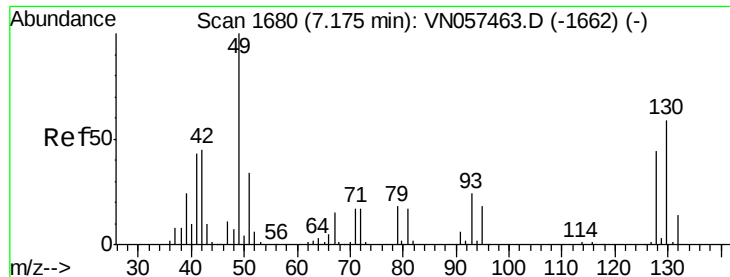
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_N\DATA\VN082319\
 Data File : VN057473.D
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 ALS Vial : 14 Sample Multiplier: 1

Instrument :
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 ClientSampleId :
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Quant Time: Aug 23 23:21:15 2019
 Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\624N082319W.M
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 Response via : Initial Calibration





#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.17 min Scan# 1680

Delta R.T. -0.00 min

Lab File: VN057473.D

Acq: 23 Aug 2019 14:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

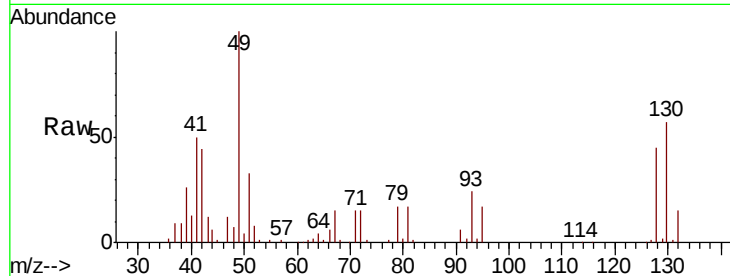
Tgt Ion:128 Resp: 66861

Ion Ratio Lower Upper

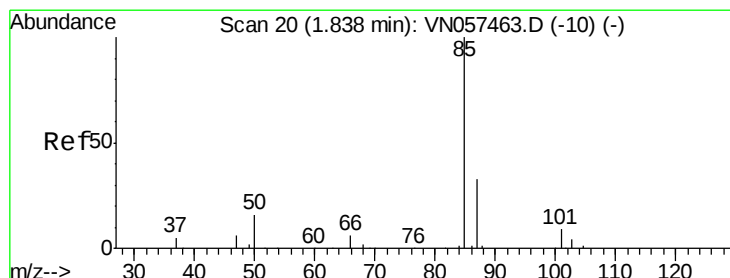
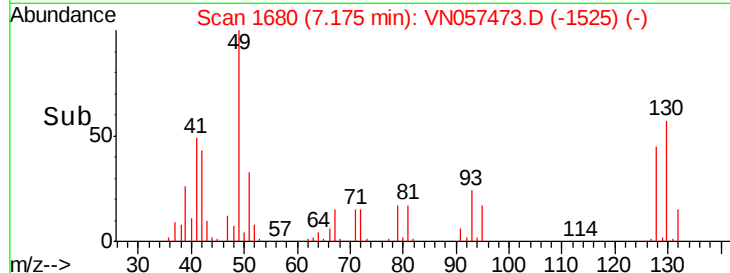
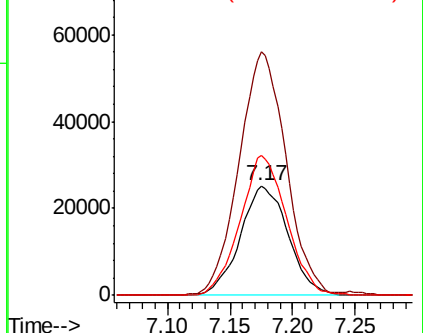
128 100

49 219.1 0.0 560.5

130 124.1 0.0 317.3



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 49.00 (48.70 to 49.70): VN
Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 21.131 ug/l

RT: 1.84 min Scan# 20

Delta R.T. -0.00 min

Lab File: VN057473.D

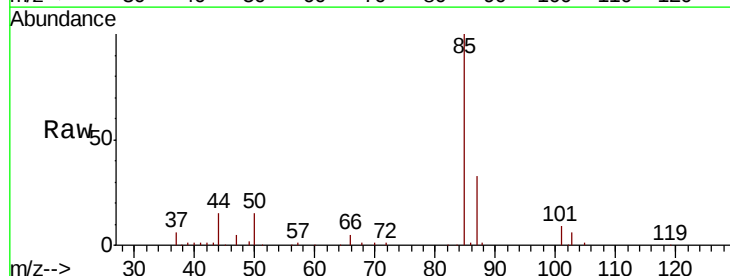
Acq: 23 Aug 2019 14:40

Tgt Ion: 85 Resp: 73913

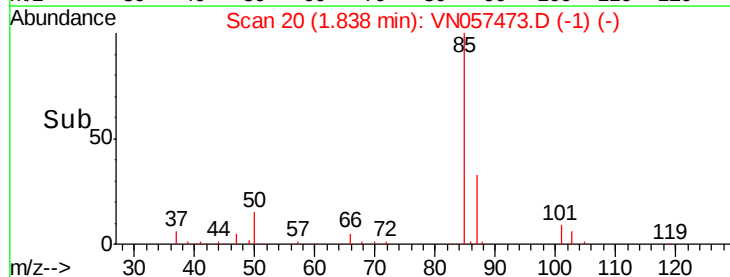
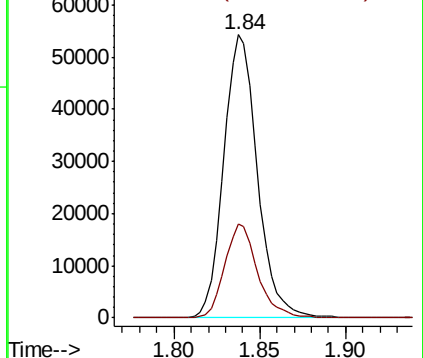
Ion Ratio Lower Upper

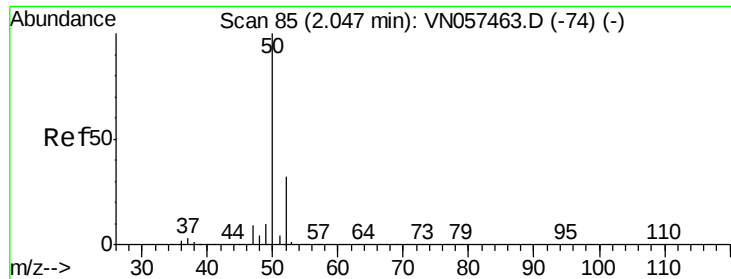
85 100

87 33.1 16.4 49.1



Abundance Ion 85.00 (84.70 to 85.70): VN
Ion 87.00 (86.70 to 87.70): VN





#3

Chloromethane

Concen: 21.383 ug/l

RT: 2.05 min Scan# 85

Delta R.T. -0.00 min

Lab File: VN057473.D

Acq: 23 Aug 2019 14:40

Instrument :

MSVOA_N

ClientSampleId :

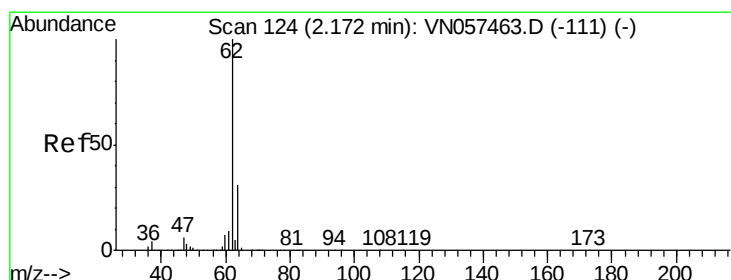
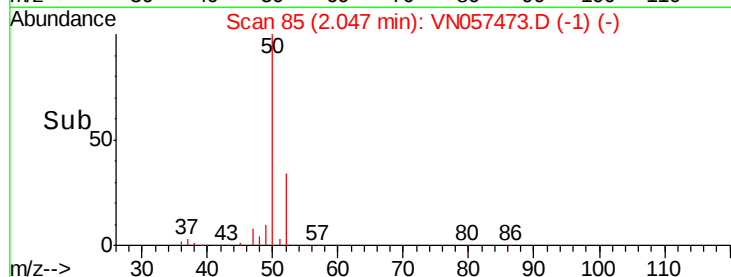
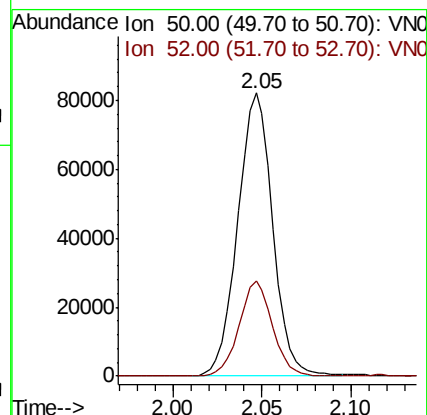
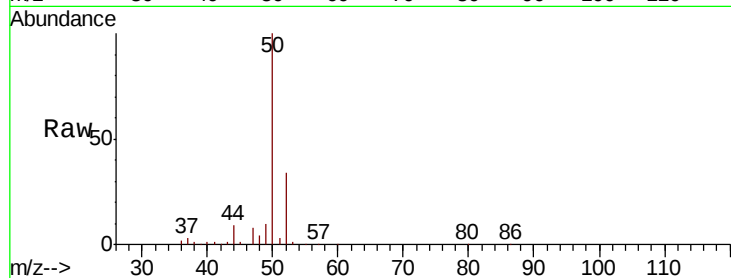
VSTDCCC020EC

Tgt Ion: 50 Resp: 112317

Ion Ratio Lower Upper

50 100

52 33.4 25.8 38.6



#4

Vinyl Chloride

Concen: 21.045 ug/l

RT: 2.17 min Scan# 124

Delta R.T. -0.00 min

Lab File: VN057473.D

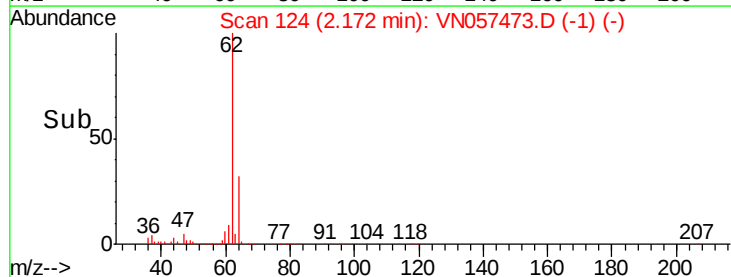
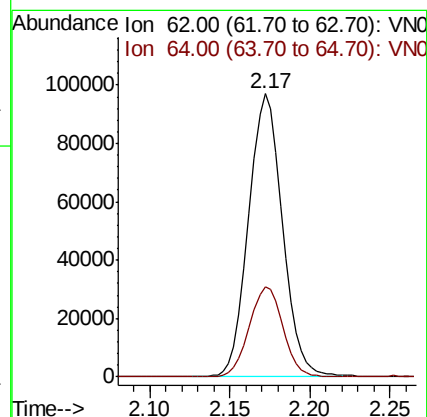
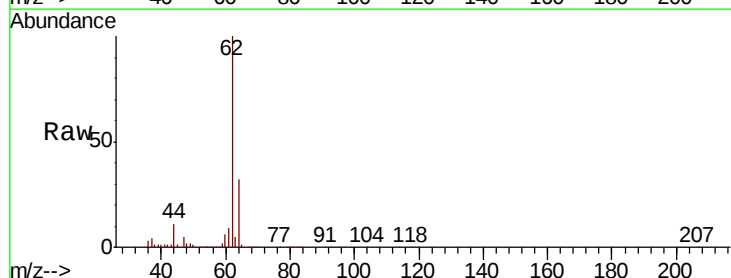
Acq: 23 Aug 2019 14:40

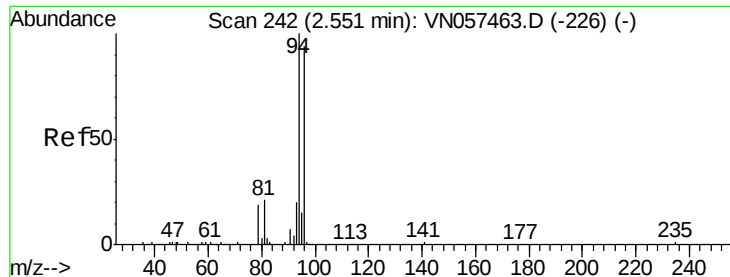
Tgt Ion: 62 Resp: 140429

Ion Ratio Lower Upper

62 100

64 31.9 24.8 37.2





#5

Bromomethane

Concen: 21.239 ug/l

RT: 2.54 min Scan# 240

Delta R.T. -0.01 min

Lab File: VN057473.D

Acq: 23 Aug 2019 14:40

Instrument :

MSVOA_N

ClientSampleId :

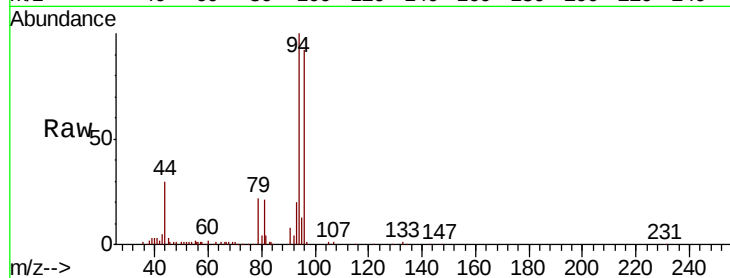
VSTDCCC020EC

Tgt Ion: 94 Resp: 91685

Ion Ratio Lower Upper

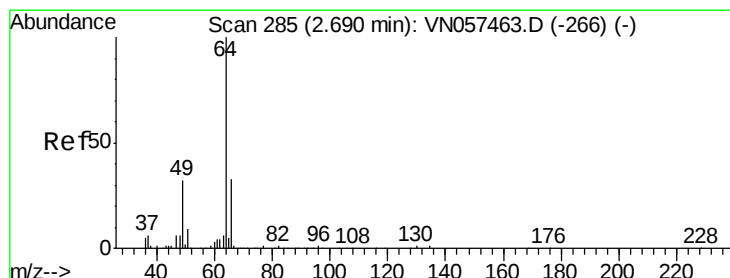
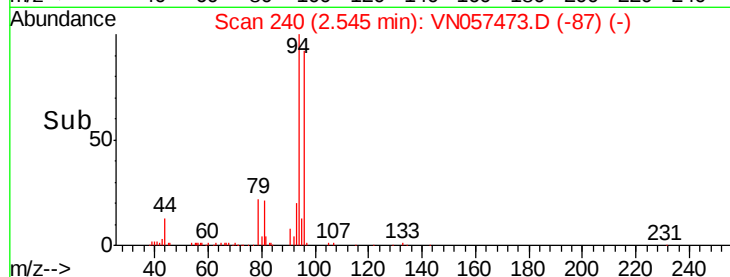
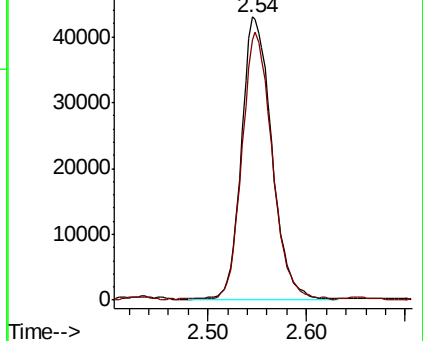
94 100

96 91.5 74.8 112.2



Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0



#6

Chloroethane

Concen: 20.695 ug/l

RT: 2.69 min Scan# 285

Delta R.T. -0.00 min

Lab File: VN057473.D

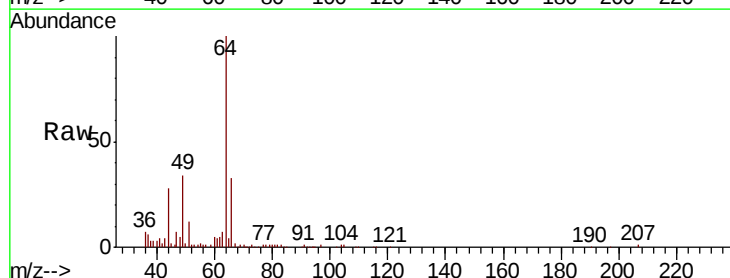
Acq: 23 Aug 2019 14:40

Tgt Ion: 64 Resp: 92499

Ion Ratio Lower Upper

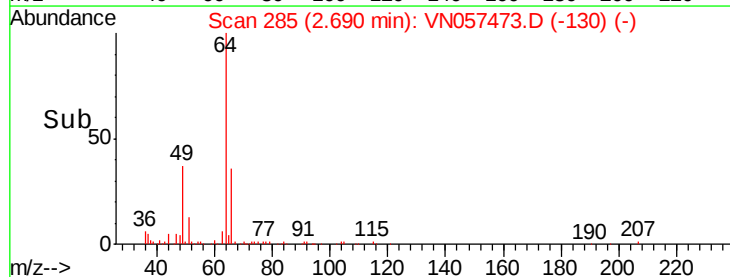
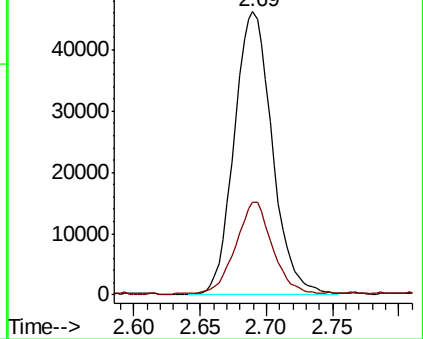
64 100

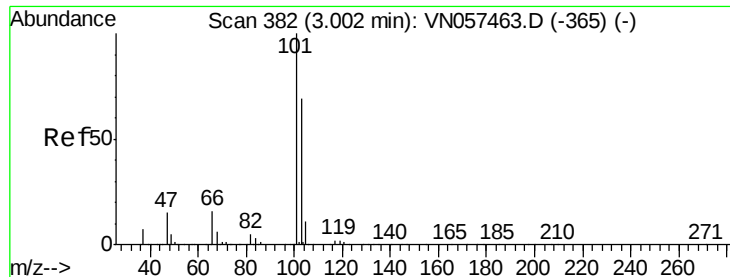
66 32.3 26.3 39.5



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0



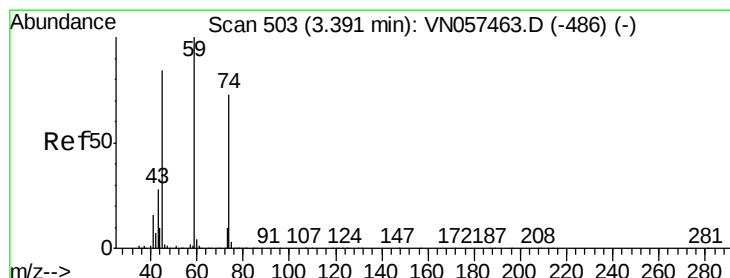
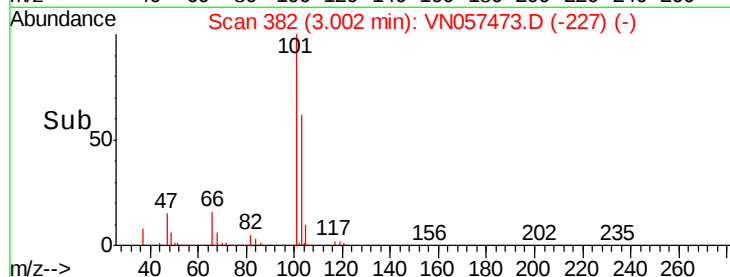
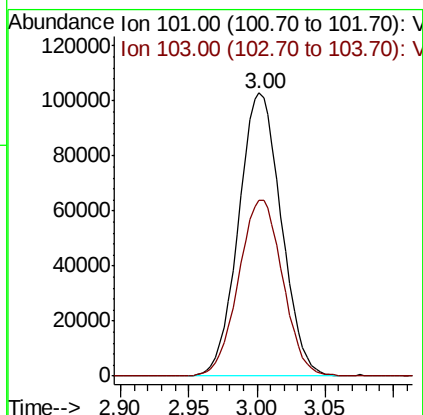
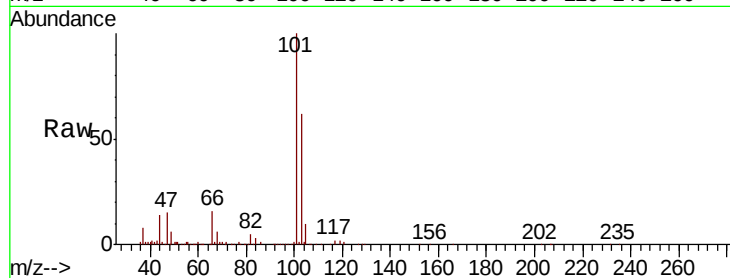


#7

Trichlorofluoromethane
 Concen: 21.085 ug/l
 RT: 3.00 min Scan# 382
 Delta R.T. -0.00 min
 Lab File: VN057473.D
 Acq: 23 Aug 2019 14:40

Instrument :
 MSVOA_N
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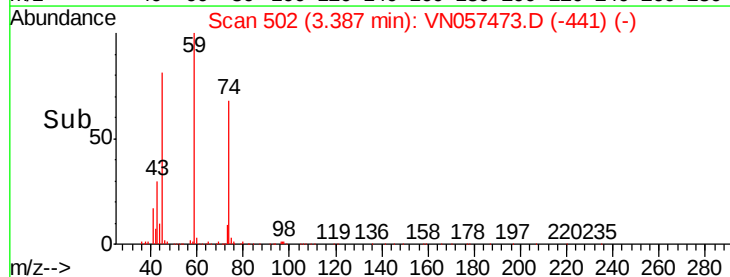
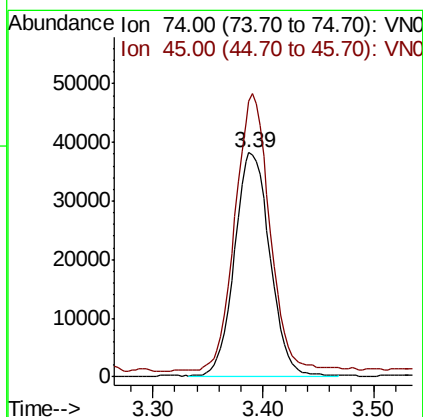
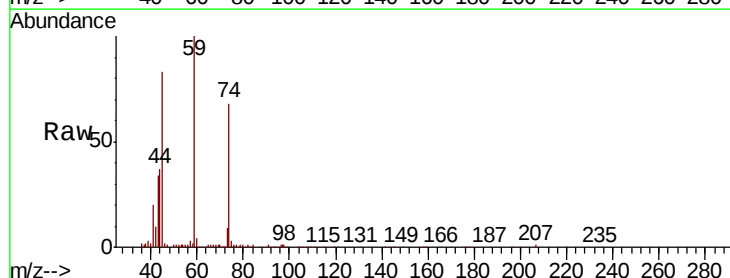
Tgt Ion: 101 Resp: 223780
 Ion Ratio Lower Upper
 101 100
 103 62.0 55.0 82.4

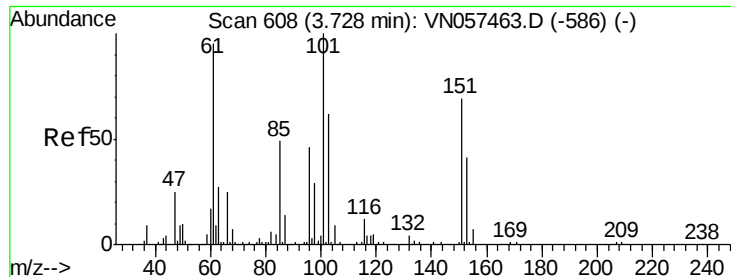


#8

Diethyl Ether
 Concen: 20.667 ug/l
 RT: 3.39 min Scan# 502
 Delta R.T. -0.00 min
 Lab File: VN057473.D
 Acq: 23 Aug 2019 14:40

Tgt Ion: 74 Resp: 84267
 Ion Ratio Lower Upper
 74 100
 45 120.0 23.2 209.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.709 ug/l

RT: 3.72 min Scan# 607

Delta R.T. -0.00 min

Lab File: VN057473.D

Acq: 23 Aug 2019 14:40

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

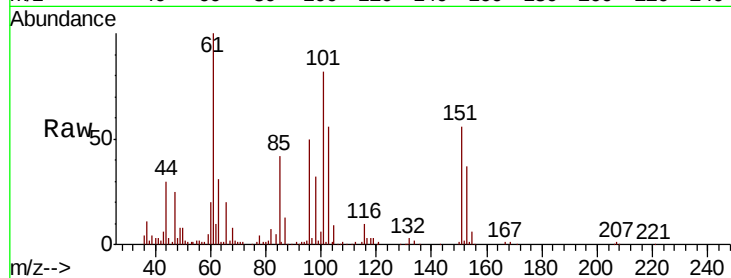
Tgt Ion: 101 Resp: 123793

Ion Ratio Lower Upper

101 100

85 48.7 0.0 101.6

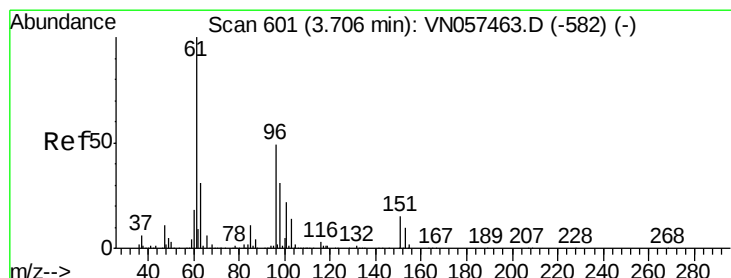
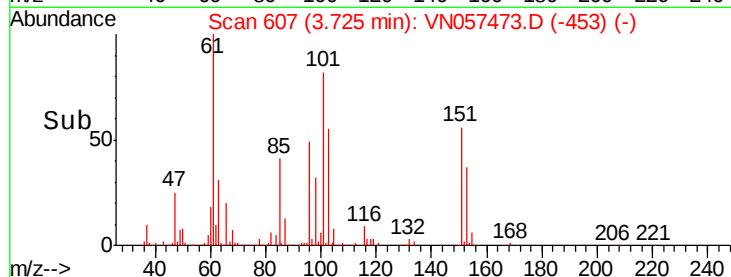
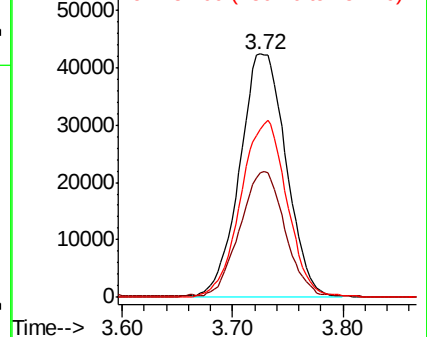
151 72.6 0.0 139.4



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VNO

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 20.856 ug/l

RT: 3.71 min Scan# 601

Delta R.T. -0.00 min

Lab File: VN057473.D

Acq: 23 Aug 2019 14:40

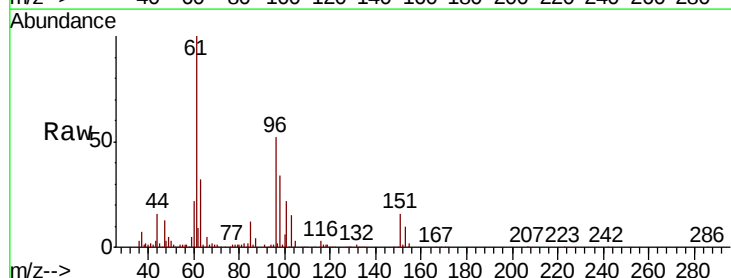
Tgt Ion: 96 Resp: 120364

Ion Ratio Lower Upper

96 100

61 192.2 162.6 244.0

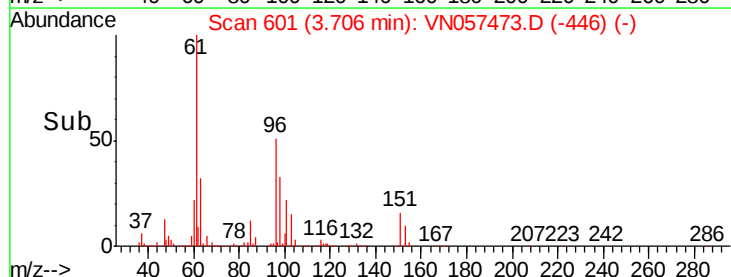
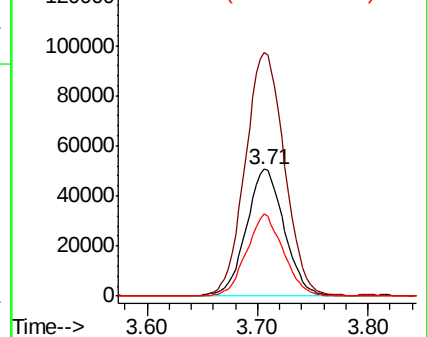
98 64.8 51.1 76.7

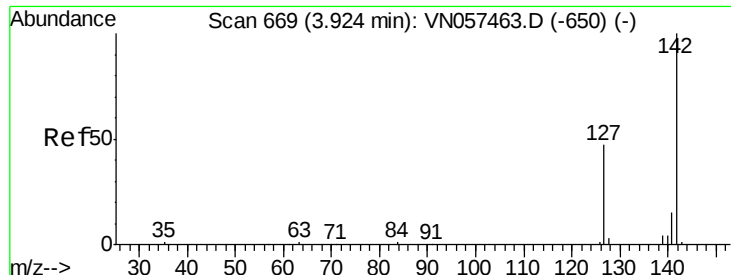


Abundance Ion 96.00 (95.70 to 96.70): VNO

Ion 61.00 (60.70 to 61.70): VNO

Ion 98.00 (97.70 to 98.70): VNO

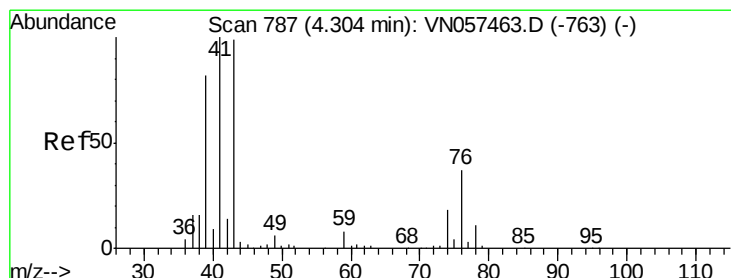
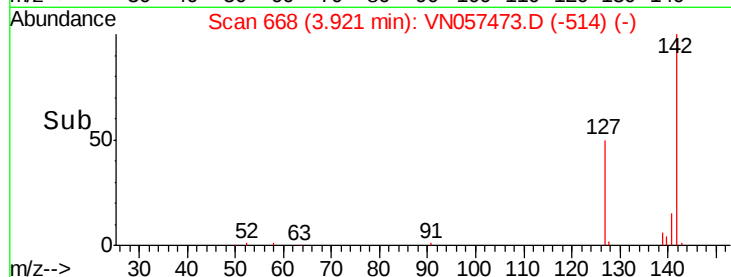
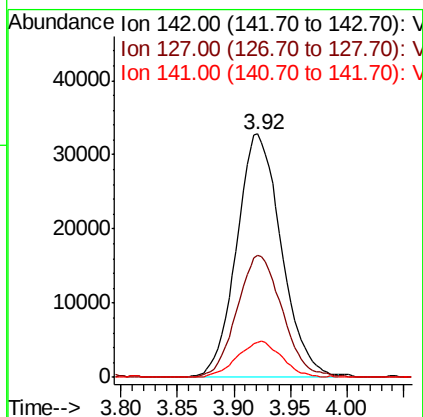
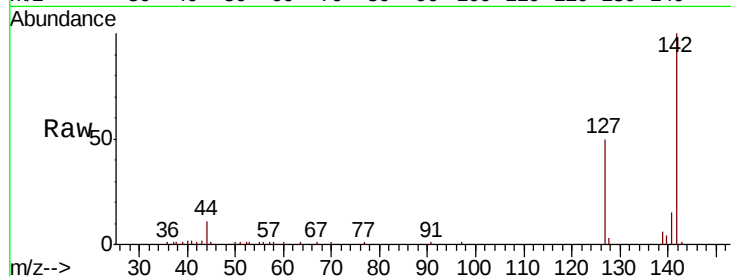




#11
Methyl Iodide
Concen: 17.421 ug/l
RT: 3.92 min Scan# 668
Delta R.T. -0.00 min
Lab File: VN057473.D
Acq: 23 Aug 2019 14:40

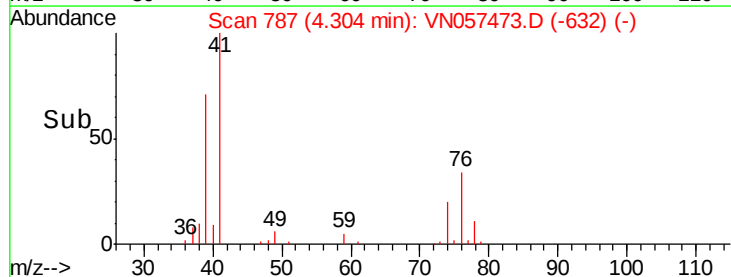
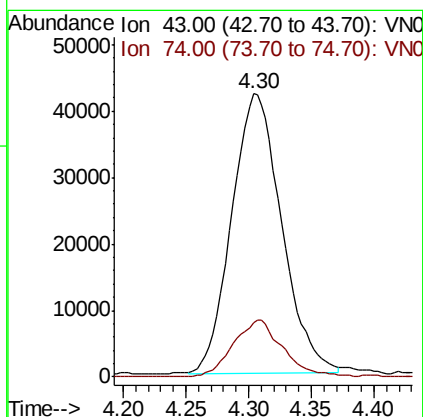
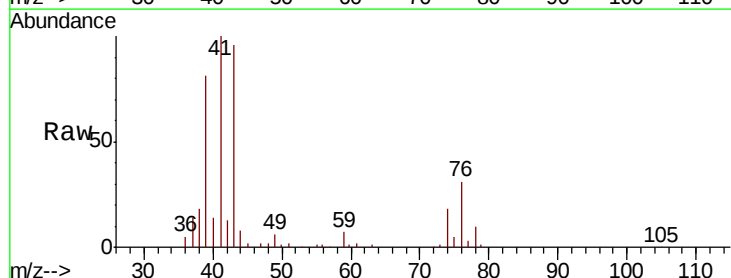
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

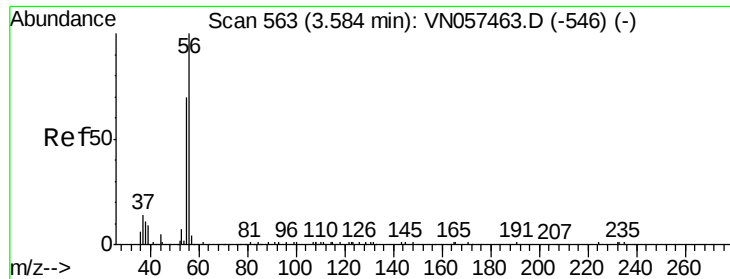
Tgt Ion:142 Resp: 90374
Ion Ratio Lower Upper
142 100
127 50.2 24.0 72.0
141 14.1 7.0 21.1



#12
Methyl Acetate
Concen: 20.033 ug/l
RT: 4.30 min Scan# 787
Delta R.T. -0.00 min
Lab File: VN057473.D
Acq: 23 Aug 2019 14:40

Tgt Ion: 43 Resp: 116463
Ion Ratio Lower Upper
43 100
74 19.3 14.6 22.0





#13

Acrolein

Concen: 95.805 ug/l

RT: 3.58 min Scan# 563

Delta R.T. -0.00 min

Lab File: VN057473.D

Acq: 23 Aug 2019 14:40

Instrument :

MSVOA_N

ClientSampleId :

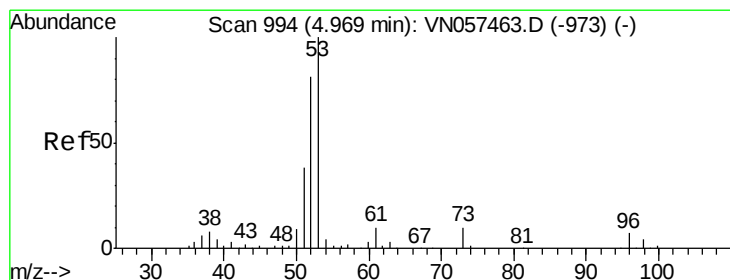
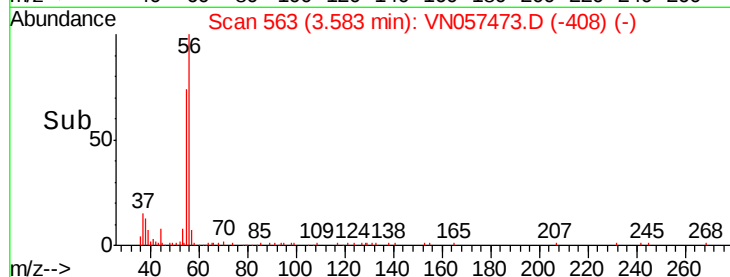
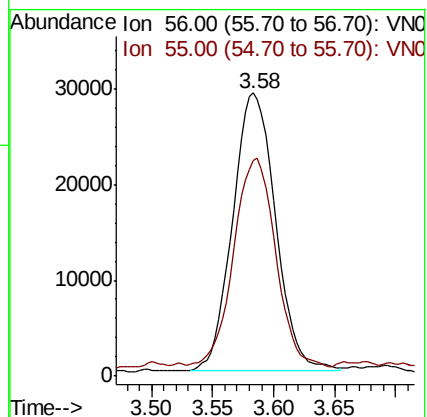
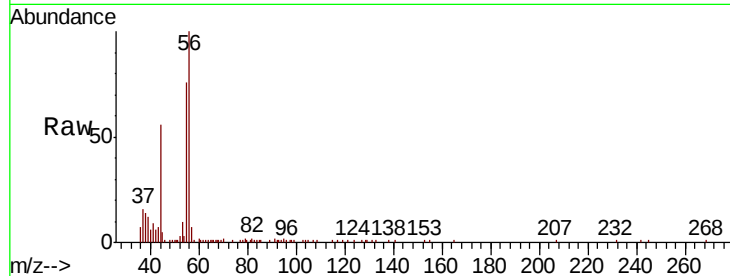
VSTDCCC020EC

Tgt Ion: 56 Resp: 70835

Ion Ratio Lower Upper

56 100

55 73.4 56.7 85.1



#14

Acrylonitrile

Concen: 105.581 ug/l

RT: 4.97 min Scan# 994

Delta R.T. -0.00 min

Lab File: VN057473.D

Acq: 23 Aug 2019 14:40

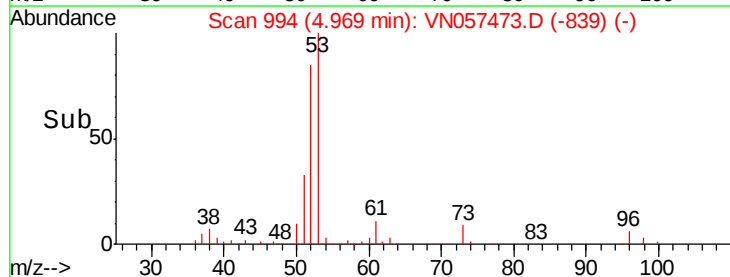
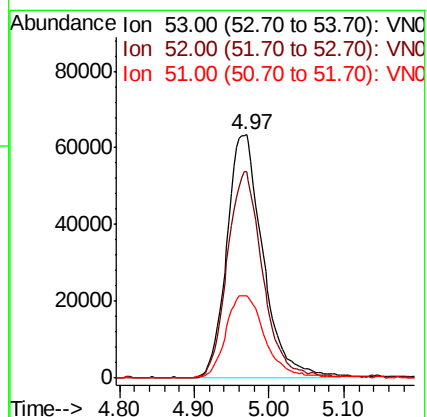
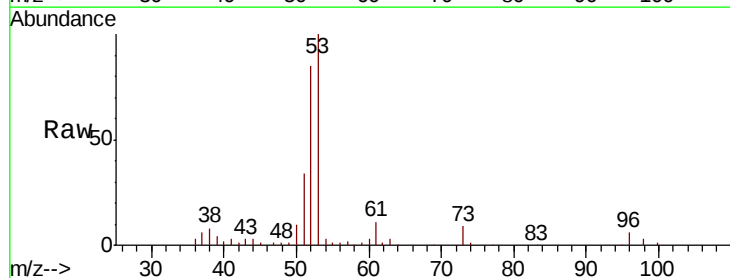
Tgt Ion: 53 Resp: 213236

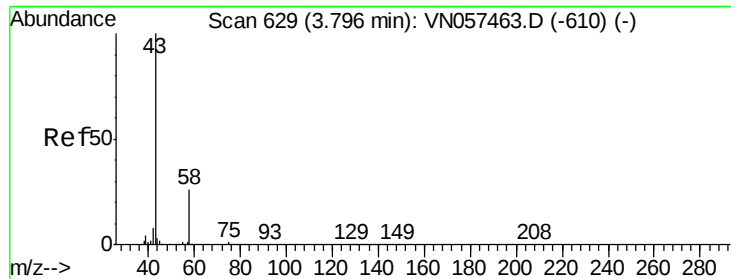
Ion Ratio Lower Upper

53 100

52 82.2 41.3 123.9

51 0.2 18.3 54.9#

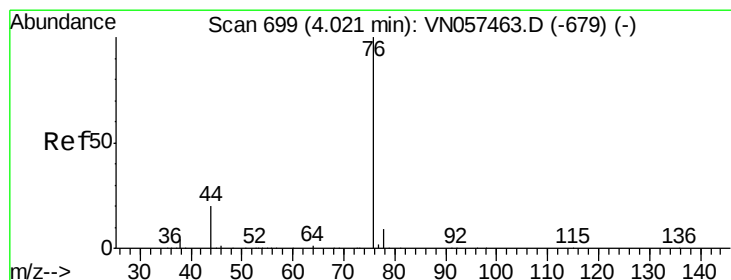
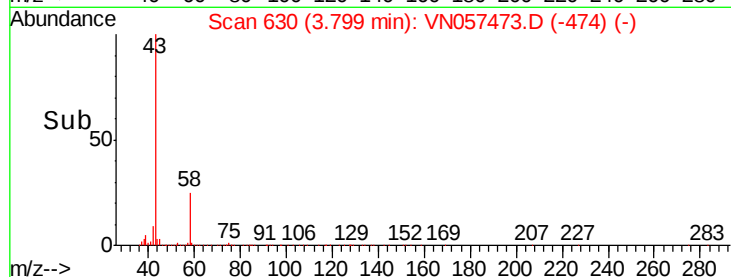
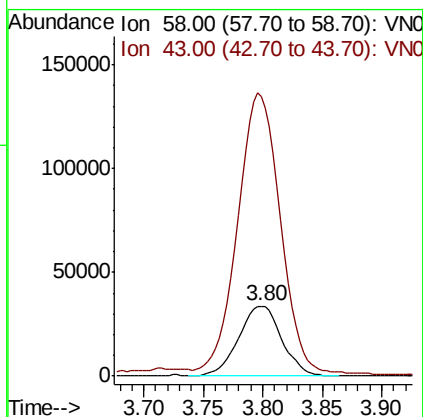
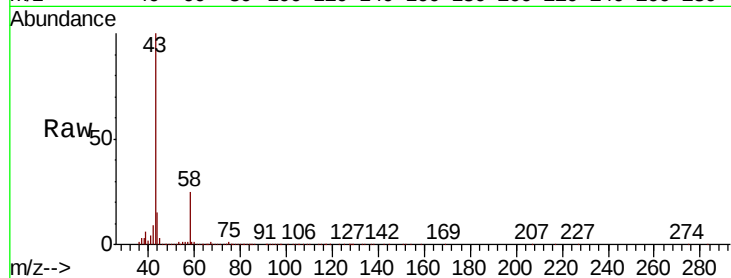




#15
Acetone
Concen: 89.310 ug/l
RT: 3.80 min Scan# 630
Delta R.T. 0.00 min
Lab File: VN057473.D
Acq: 23 Aug 2019 14:40

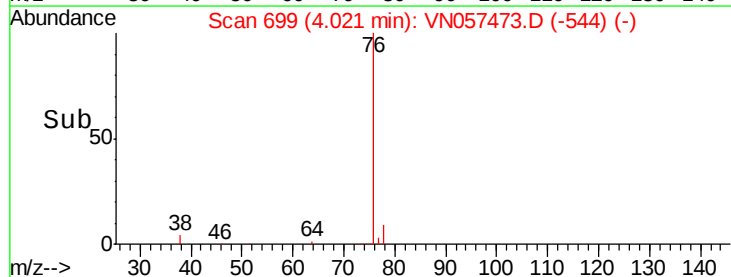
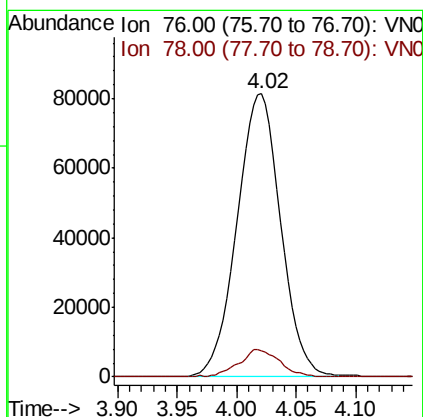
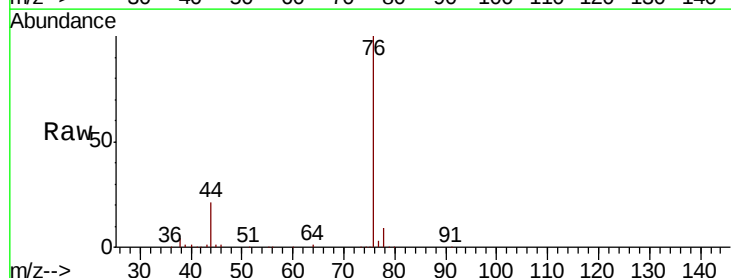
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

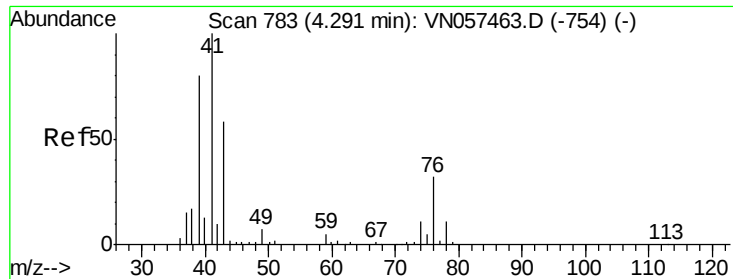
Tgt Ion: 58 Resp: 84380
Ion Ratio Lower Upper
58 100
43 395.7 304.4 456.6



#16
Carbon Disulfide
Concen: 20.084 ug/l
RT: 4.02 min Scan# 699
Delta R.T. -0.00 min
Lab File: VN057473.D
Acq: 23 Aug 2019 14:40

Tgt Ion: 76 Resp: 206450
Ion Ratio Lower Upper
76 100
78 9.3 7.4 11.2

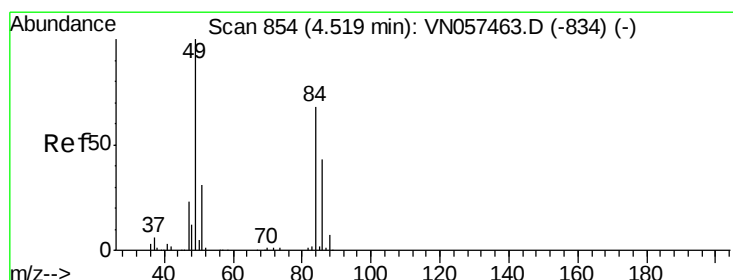
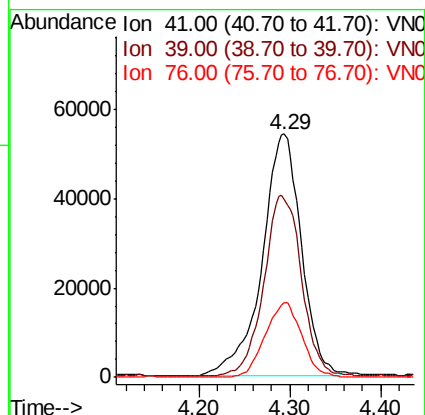
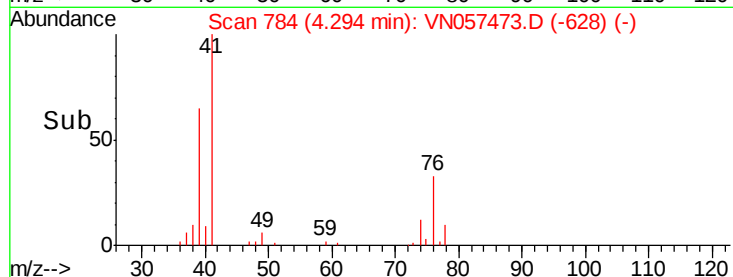
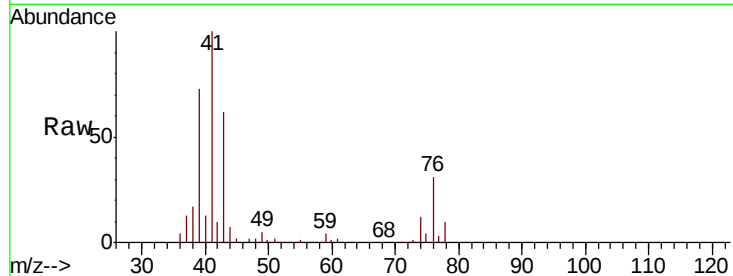




#17
 Allyl chloride
 Concen: 20.556 ug/l
 RT: 4.29 min Scan# 784
 Delta R.T. 0.00 min
 Lab File: VN057473.D
 Acq: 23 Aug 2019 14:40

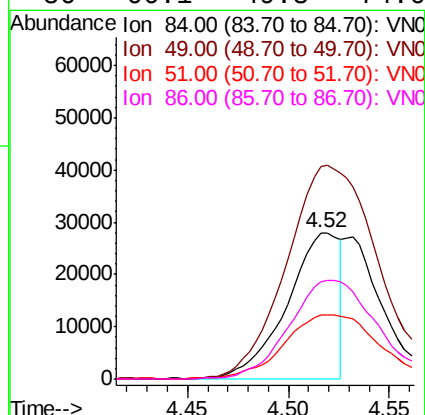
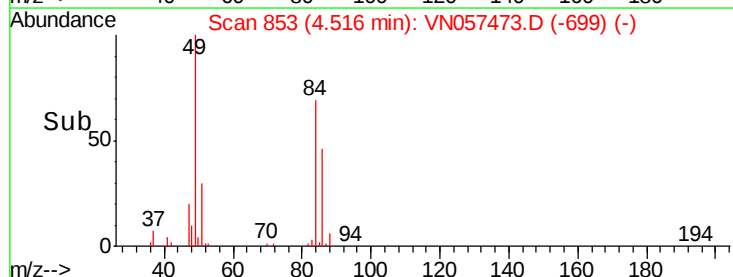
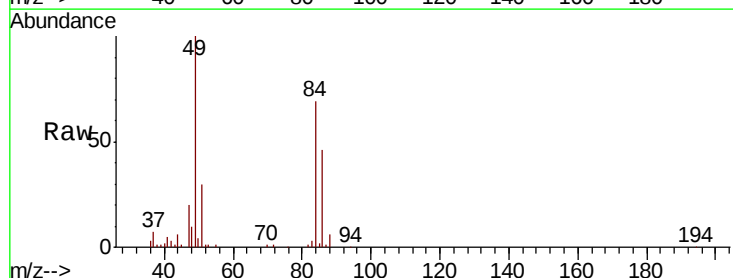
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

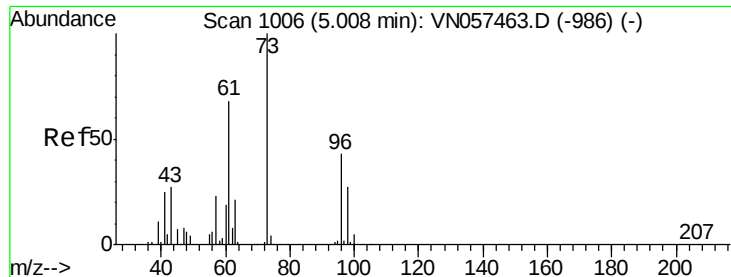
Tgt Ion: 41 Resp: 161839
 Ion Ratio Lower Upper
 41 100
 39 73.1 40.1 120.2
 76 30.9 16.2 48.6



#18
 Methylene Chloride
 Concen: 12.011 ug/l
 RT: 4.52 min Scan# 853
 Delta R.T. -0.00 min
 Lab File: VN057473.D
 Acq: 23 Aug 2019 14:40

Tgt Ion: 84 Resp: 50833
 Ion Ratio Lower Upper
 84 100
 49 145.2 116.8 175.2
 51 42.9 36.4 54.6
 86 66.1 49.8 74.6

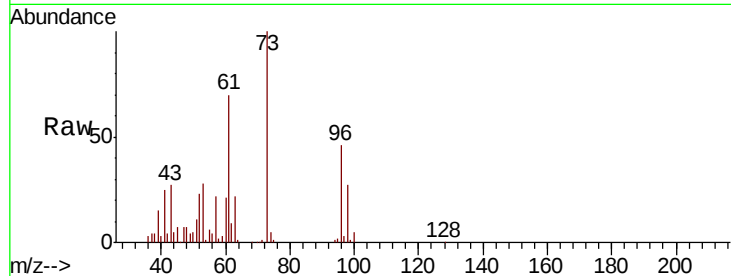




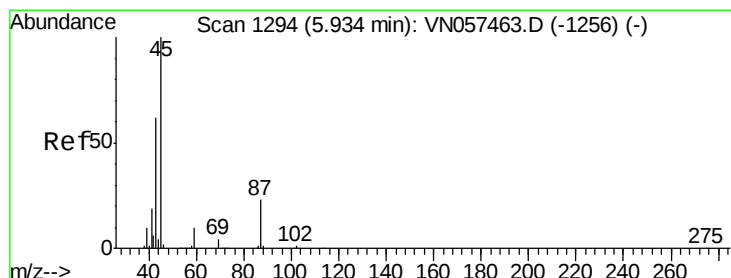
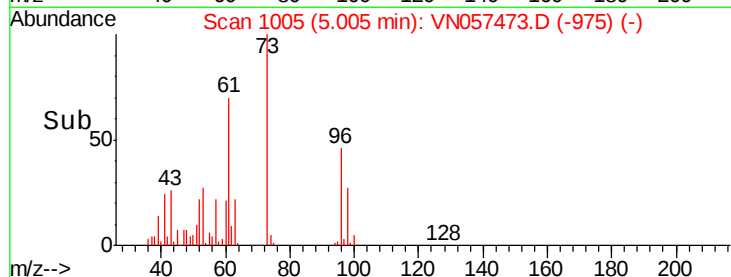
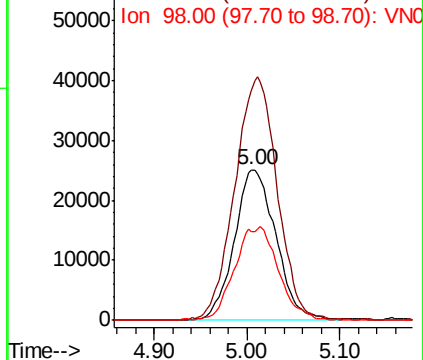
#19
trans-1,2-Dichloroethene
Concen: 19.591 ug/l
RT: 5.00 min Scan# 1005
Delta R.T. -0.00 min
Lab File: VN057473.D
Acq: 23 Aug 2019 14:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion: 96 Resp: 78082
Ion Ratio Lower Upper
96 100
61 153.0 127.6 191.4
98 58.2 51.5 77.3

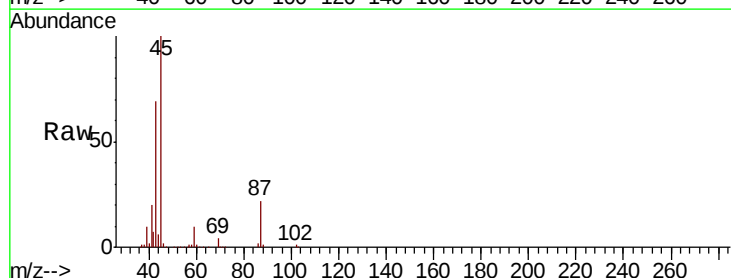


Abundance Ion 96.00 (95.70 to 96.70): VN0
Ion 61.00 (60.70 to 61.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

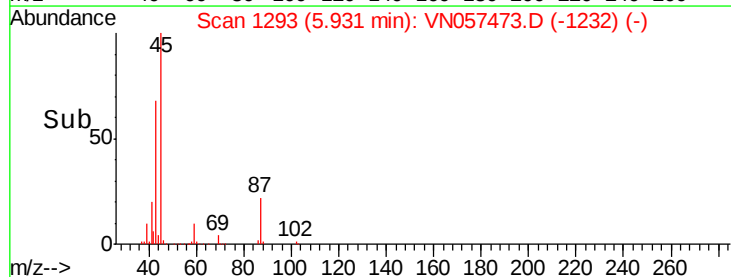
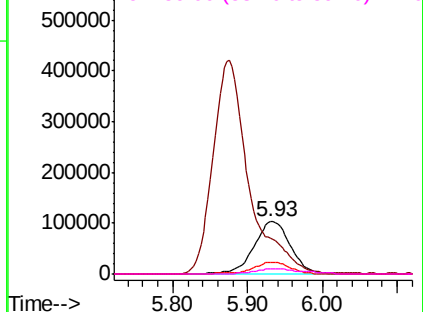


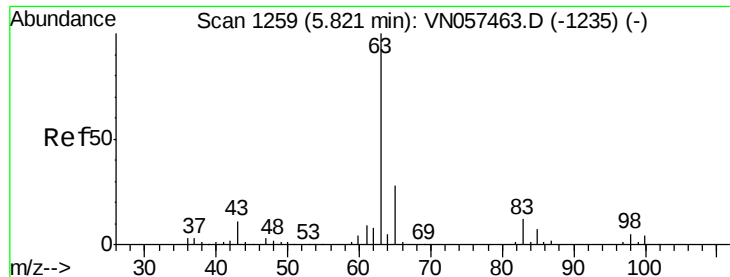
#20
Diisopropyl ether
Concen: 20.795 ug/l
RT: 5.93 min Scan# 1293
Delta R.T. -0.00 min
Lab File: VN057473.D
Acq: 23 Aug 2019 14:40

Tgt Ion: 45 Resp: 349536
Ion Ratio Lower Upper
45 100
43 66.4 49.9 74.9
87 21.5 19.1 28.7
59 9.4 8.3 12.5



Abundance Ion 45.00 (44.70 to 45.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 87.00 (86.70 to 87.70): VN0
Ion 59.00 (58.70 to 59.70): VN0

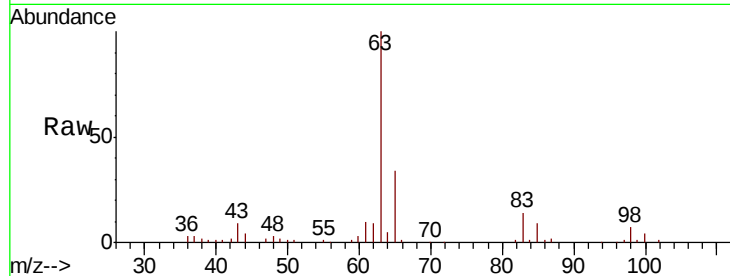




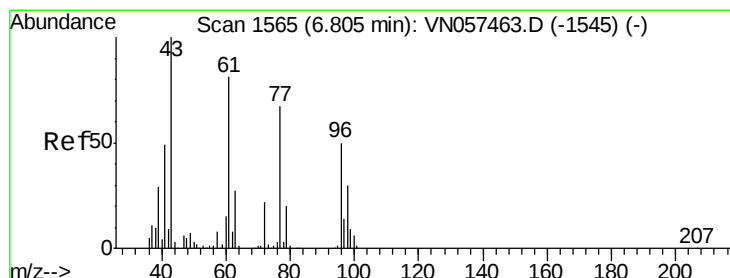
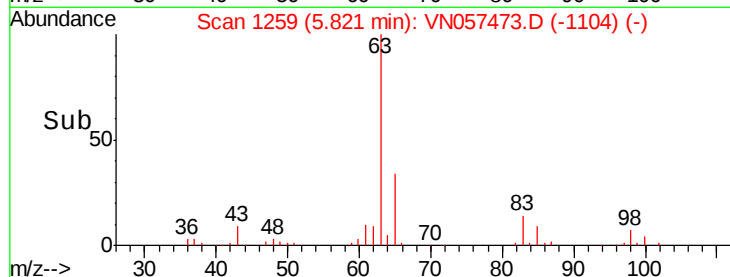
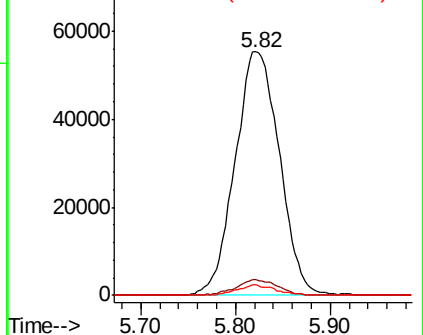
#21
 1,1-Dichloroethane
 Concen: 20.640 ug/l
 RT: 5.82 min Scan# 1259
 Delta R.T. -0.00 min
 Lab File: VN057473.D
 Acq: 23 Aug 2019 14:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tgt Ion:	63	Resp:	180271
Ion	Ratio	Lower	Upper
63	100		
98	6.7	2.4	7.1
100	4.3	2.1	6.3

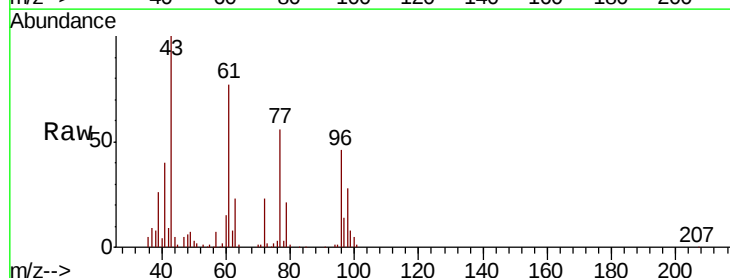


Abundance Ion 63.00 (62.70 to 63.70): VN0
 Ion 98.00 (97.70 to 98.70): VN0
 Ion 100.00 (99.70 to 100.70): VN0

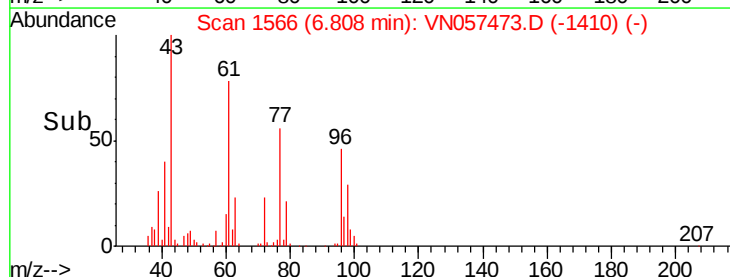
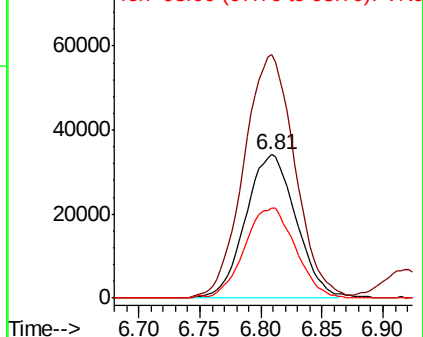


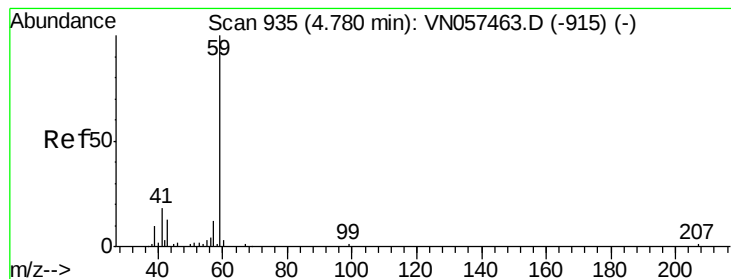
#22
 cis-1,2-Dichloroethene
 Concen: 19.957 ug/l
 RT: 6.81 min Scan# 1566
 Delta R.T. 0.00 min
 Lab File: VN057473.D
 Acq: 23 Aug 2019 14:40

Tgt Ion:	96	Resp:	96741
Ion	Ratio	Lower	Upper
96	100		
61	174.2	134.4	201.6
98	63.2	51.4	77.0



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





#23

tert-Butyl Alcohol

Concen: 54.218 ug/l

RT: 4.78 min Scan# 936

Delta R.T. 0.00 min

Lab File: VN057473.D

Acq: 23 Aug 2019 14:40

Instrument :

MSVOA_N

ClientSampleId :

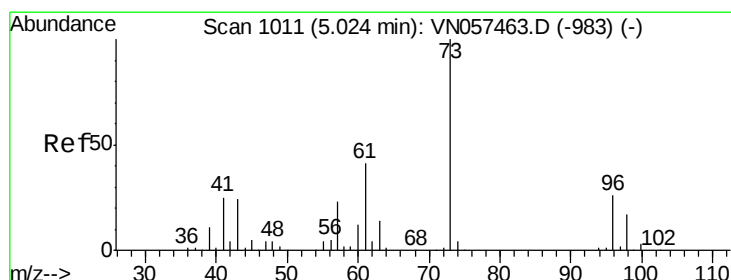
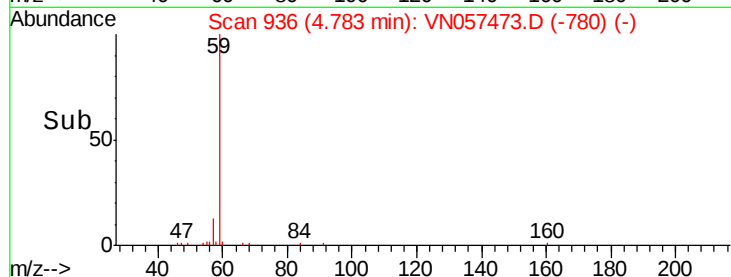
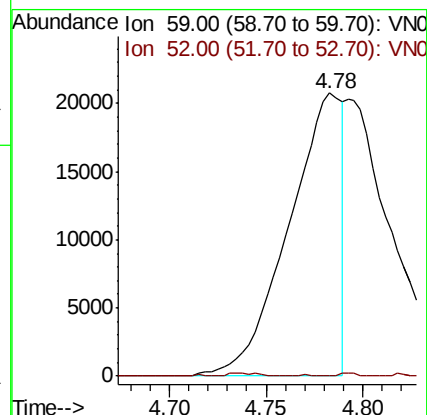
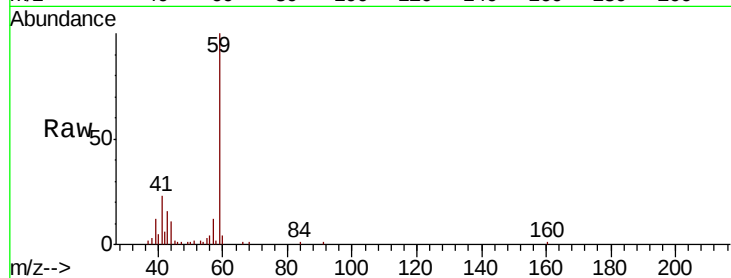
VSTDCCC020EC

Tgt Ion: 59 Resp: 39777

Ion Ratio Lower Upper

59 100

52 0.3 0.1 0.1#



#24

Methyl tert-Butyl Ether

Concen: 20.675 ug/l

RT: 5.02 min Scan# 1011

Delta R.T. -0.00 min

Lab File: VN057473.D

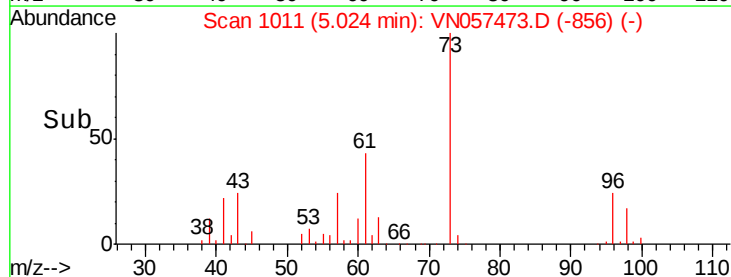
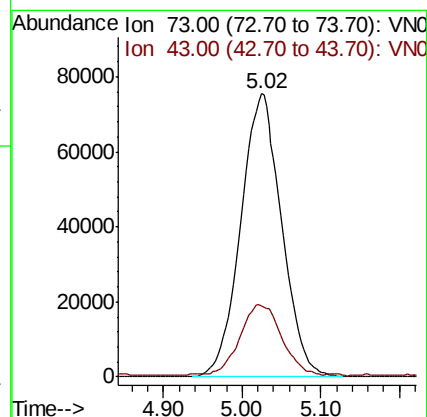
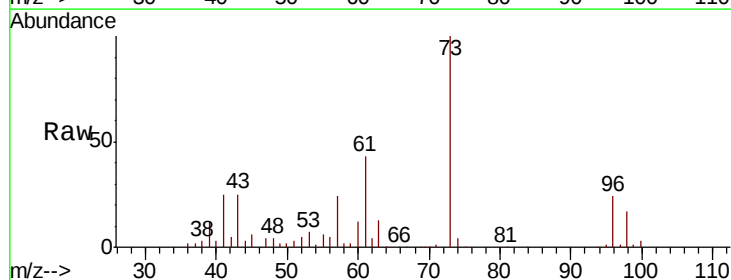
Acq: 23 Aug 2019 14:40

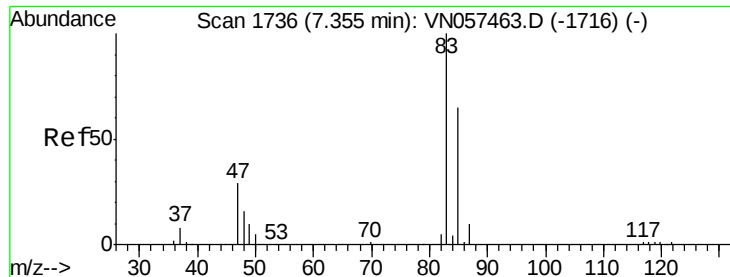
Tgt Ion: 73 Resp: 275664

Ion Ratio Lower Upper

73 100

43 24.7 20.1 30.1

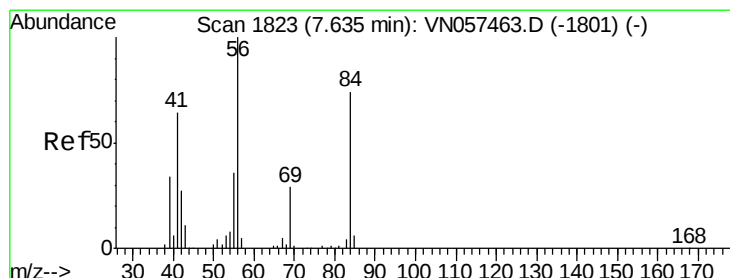
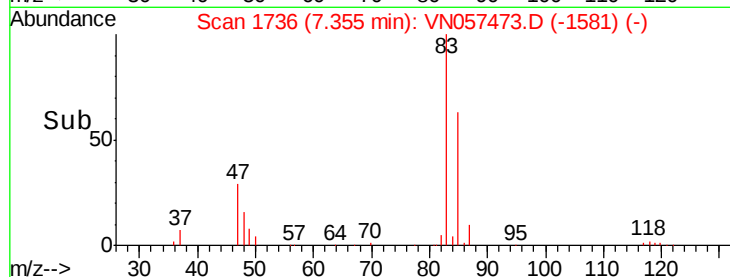
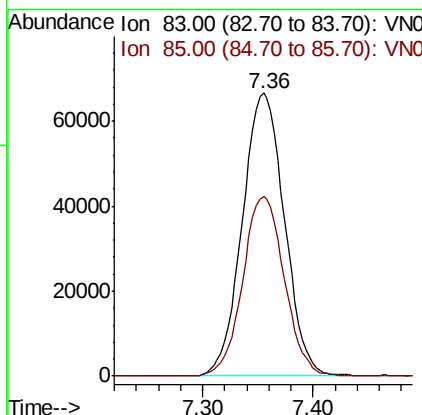
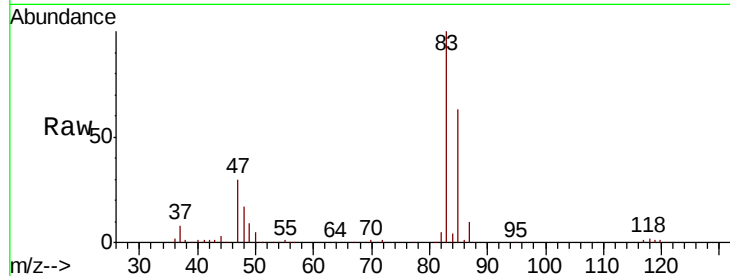




#25
Chloroform
Concen: 20.334 ug/l
RT: 7.36 min Scan# 1736
Delta R.T. -0.00 min
Lab File: VN057473.D
Acq: 23 Aug 2019 14:40

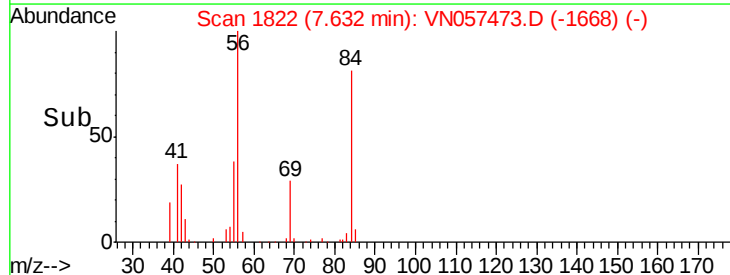
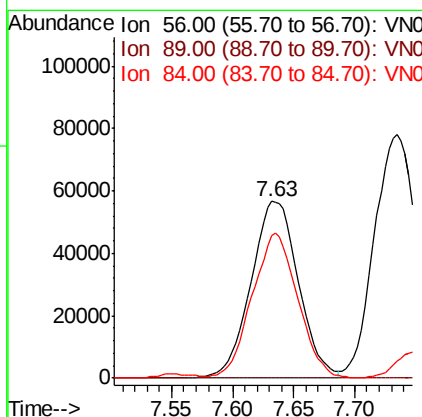
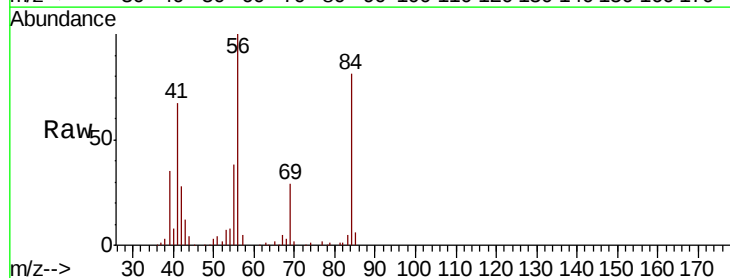
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

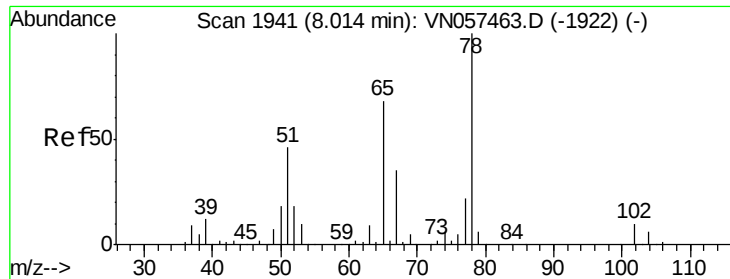
Tgt Ion: 83 Resp: 176329
Ion Ratio Lower Upper
83 100
85 63.5 52.0 78.0



#26
Cyclohexane
Concen: 19.631 ug/l
RT: 7.63 min Scan# 1822
Delta R.T. -0.00 min
Lab File: VN057473.D
Acq: 23 Aug 2019 14:40

Tgt Ion: 56 Resp: 152677
Ion Ratio Lower Upper
56 100
89 0.0 0.0 0.0
84 78.3 61.1 91.7





#27

1,2-Dichloroethane-d4

Concen: 30.009 ug/l

RT: 8.01 min Scan# 1941

Delta R.T. -0.00 min

Lab File: VN057473.D

Acq: 23 Aug 2019 14:40

Instrument :

MSVOA_N

ClientSampleId :

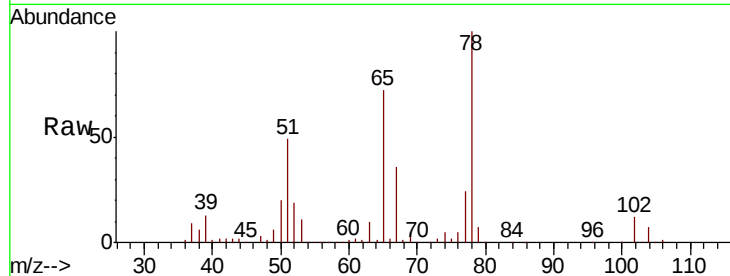
VSTDCCC020EC

Tgt Ion: 65 Resp: 193432

Ion Ratio Lower Upper

65 100

67 49.7 40.2 60.4



Abundance Ion 65.00 (64.70 to 65.70): VN057473.D (-1922) (-)

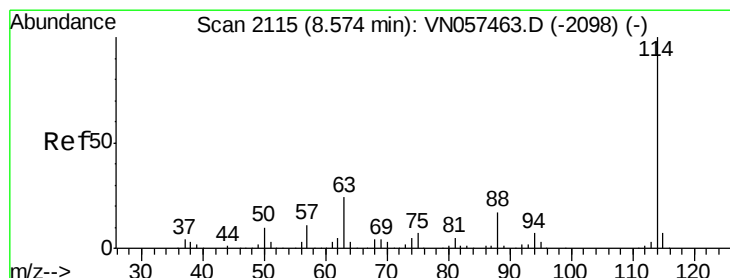
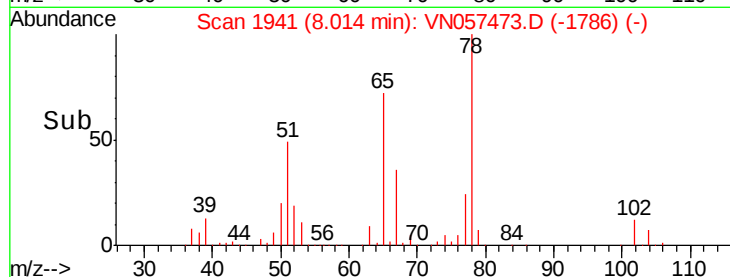
Ion 67.00 (66.70 to 67.70): VN057473.D (-1922) (-)

8.01

8.05

8.10

Time-->



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.57 min Scan# 2115

Delta R.T. -0.00 min

Lab File: VN057473.D

Acq: 23 Aug 2019 14:40

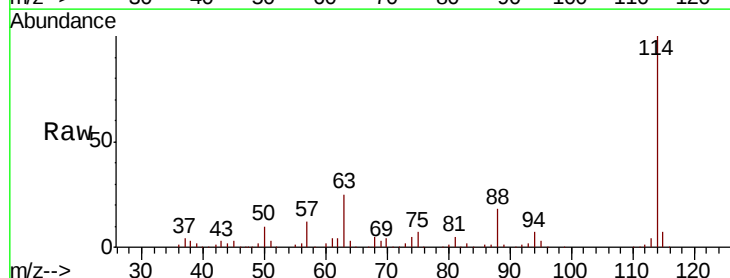
Tgt Ion: 114 Resp: 377977

Ion Ratio Lower Upper

114 100

63 25.8 19.6 29.4

88 17.4 13.1 19.7



Abundance Ion 114.00 (113.70 to 114.70): VN057473.D (-2098) (-)

Ion 63.00 (62.70 to 63.70): VN057473.D (-2098) (-)

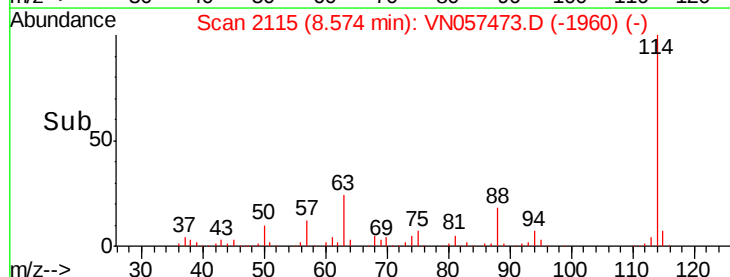
Ion 88.00 (87.70 to 88.70): VN057473.D (-2098) (-)

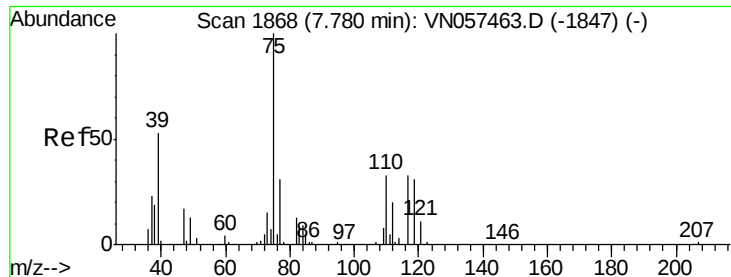
8.57

8.60

8.65

Time-->

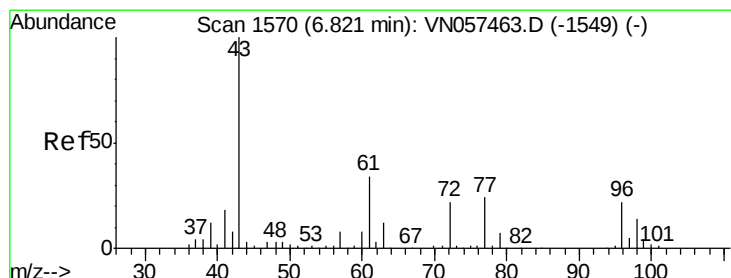
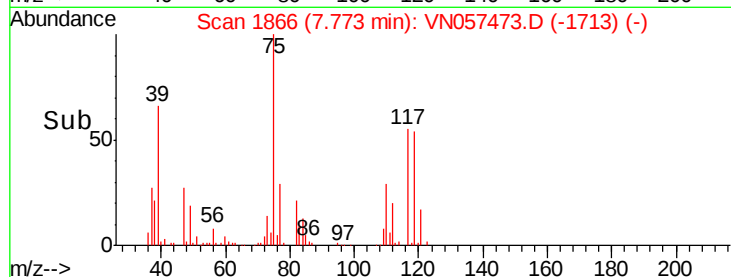
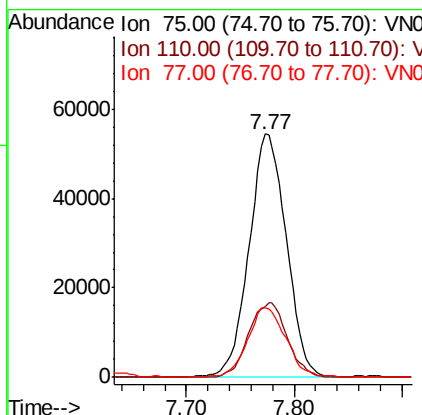
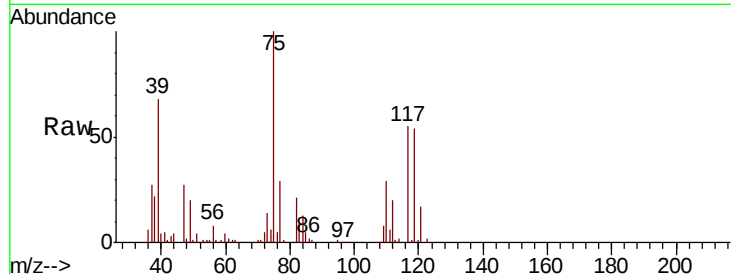




#29
 1,1-Dichloropropene
 Concen: 20.336 ug/l
 RT: 7.77 min Scan# 1866
 Delta R.T. -0.01 min
 Lab File: VN057473.D
 Acq: 23 Aug 2019 14:40

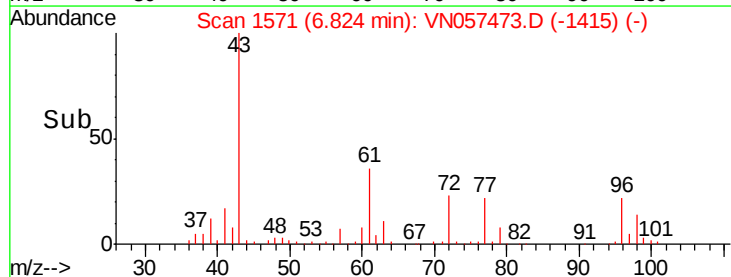
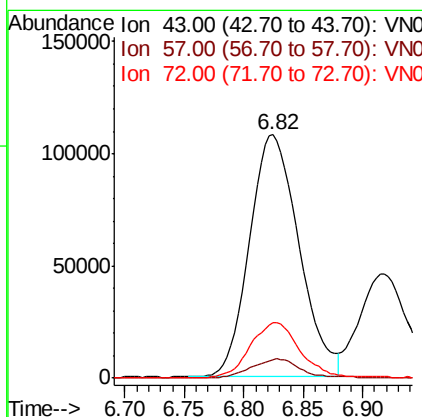
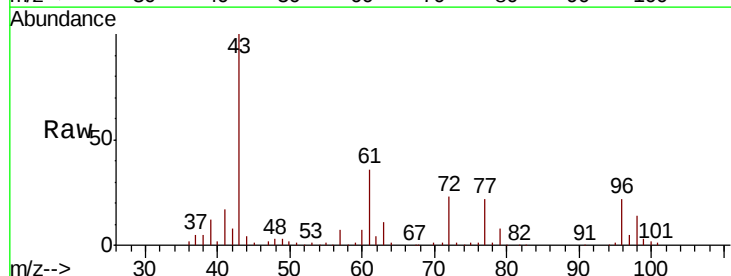
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

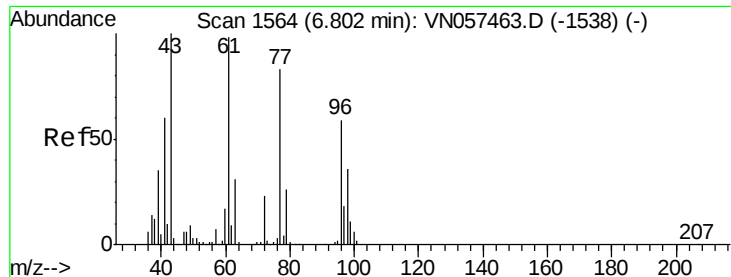
Tgt Ion	Ratio	Lower	Upper
75	100		
110	31.5	0.0	64.0
77	29.7	0.0	63.4



#30
 2-Butanone
 Concen: 100.826 ug/l
 RT: 6.82 min Scan# 1571
 Delta R.T. 0.00 min
 Lab File: VN057473.D
 Acq: 23 Aug 2019 14:40

Tgt Ion	Ratio	Lower	Upper
43	100		
57	7.9	5.7	8.5
72	22.9	18.2	27.2





#31

2,2-Dichloropropane

Concen: 19.484 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. -0.00 min

Lab File: VN057473.D

Acq: 23 Aug 2019 14:40

Instrument :

MSVOA_N

ClientSampleId :

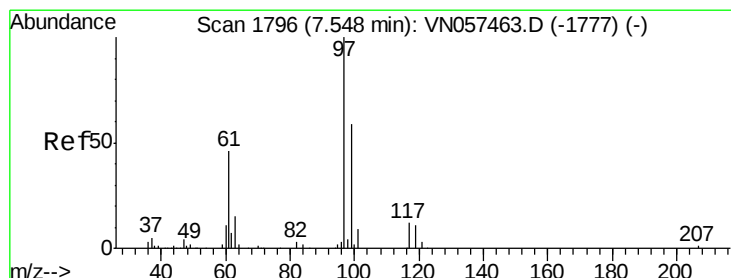
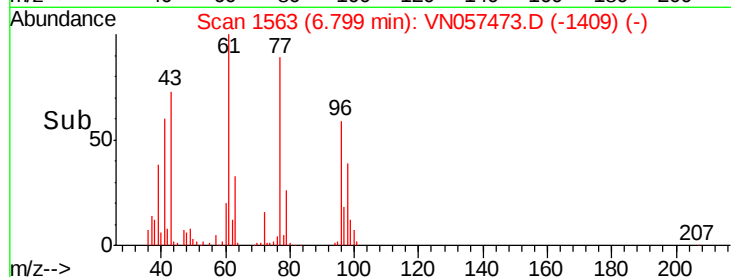
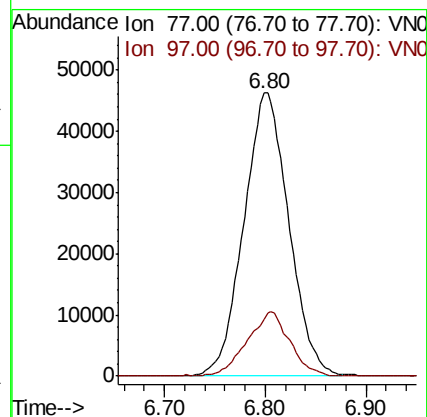
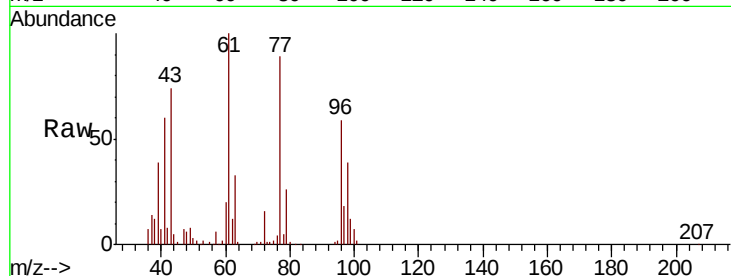
VSTDCCC020EC

Tgt Ion: 77 Resp: 143002

Ion Ratio Lower Upper

77 100

97 21.5 17.0 25.4



#32

1,1,1-Trichloroethane

Concen: 20.727 ug/l

RT: 7.55 min Scan# 1797

Delta R.T. 0.00 min

Lab File: VN057473.D

Acq: 23 Aug 2019 14:40

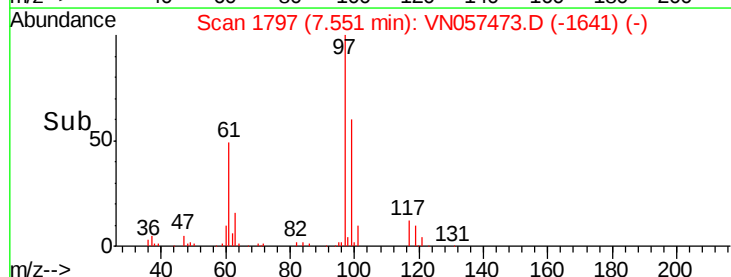
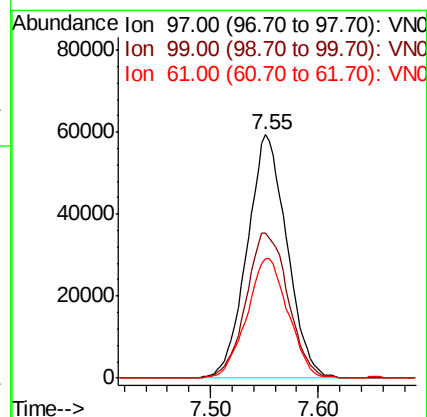
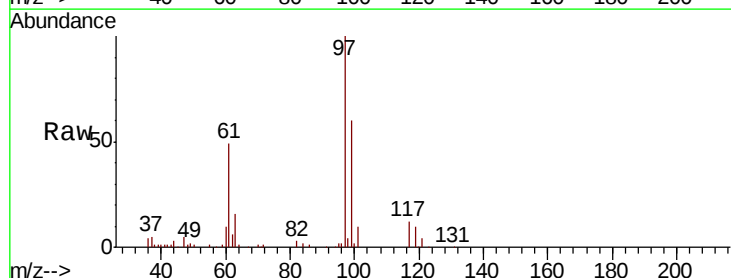
Tgt Ion: 97 Resp: 152210

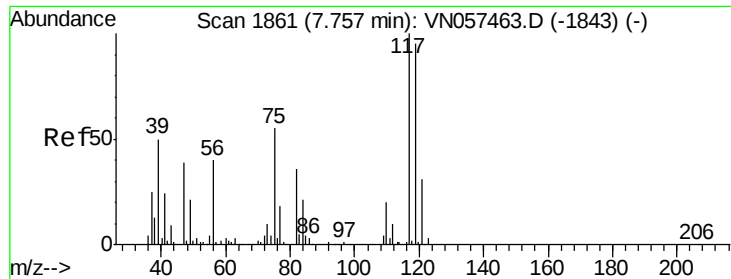
Ion Ratio Lower Upper

97 100

99 63.1 49.6 74.4

61 50.9 40.9 61.3

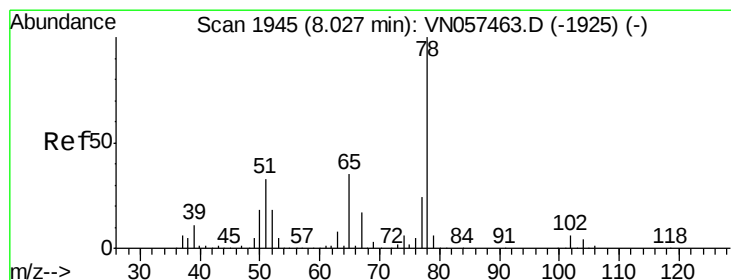
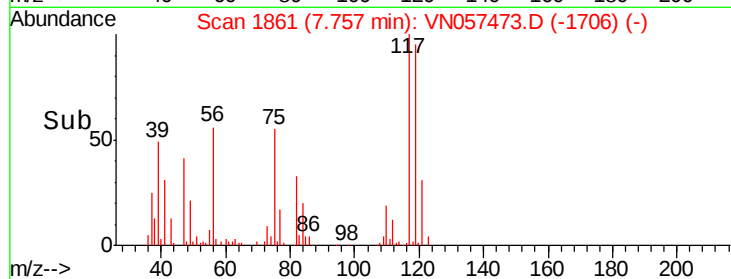
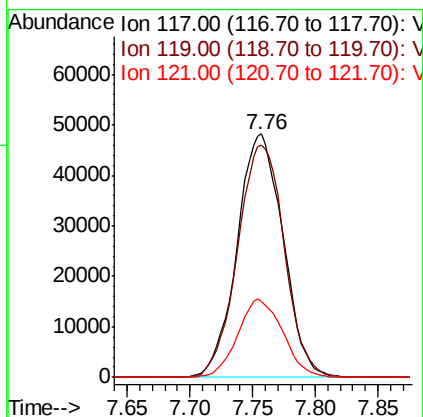
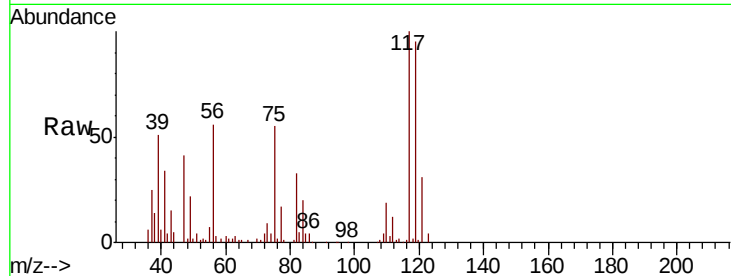




#33
Carbon Tetrachloride
Concen: 20.137 ug/l
RT: 7.76 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VN057473.D
Acq: 23 Aug 2019 14:40

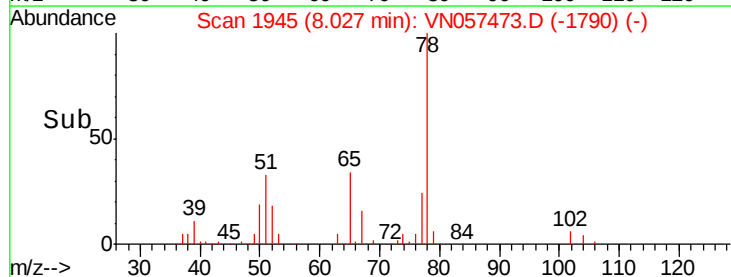
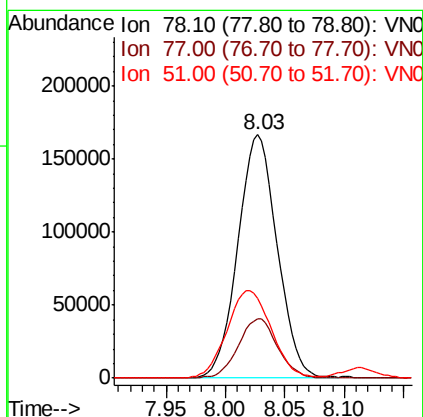
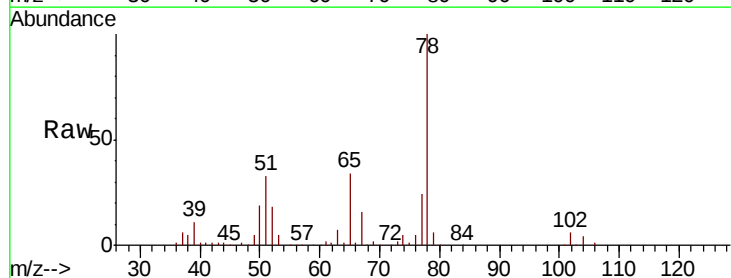
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

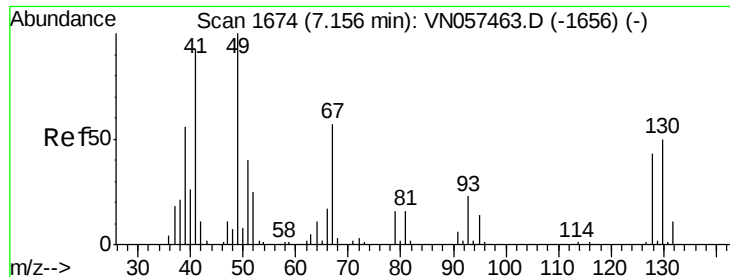
Tgt Ion: 117 Resp: 122796
Ion Ratio Lower Upper
117 100
119 95.4 76.8 115.2
121 31.0 24.8 37.2



#34
Benzene
Concen: 20.211 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. -0.00 min
Lab File: VN057473.D
Acq: 23 Aug 2019 14:40

Tgt Ion: 78 Resp: 381792
Ion Ratio Lower Upper
78 100
77 24.3 19.5 29.3
51 32.4 26.0 39.0





#35

Methacrylonitrile

Concen: 21.306 ug/l

RT: 7.16 min Scan# 1676

Delta R.T. 0.01 min

Lab File: VN057473.D

Acq: 23 Aug 2019 14:40

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tgt Ion: 41 Resp: 66597

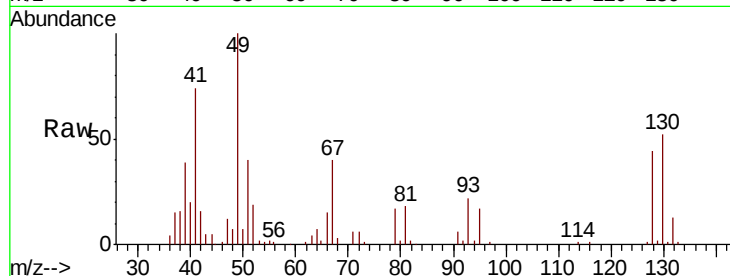
Ion Ratio Lower Upper

41 100

39 51.4 30.5 91.5

67 53.4 30.9 92.5

52 26.0 13.6 40.8

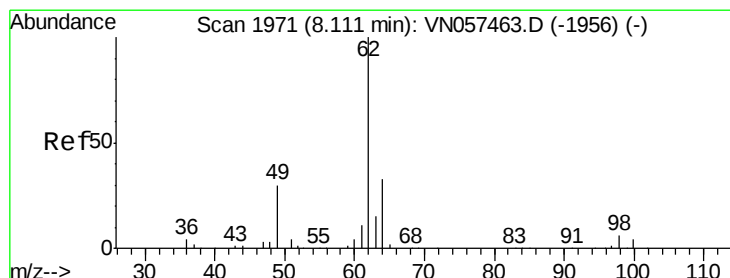
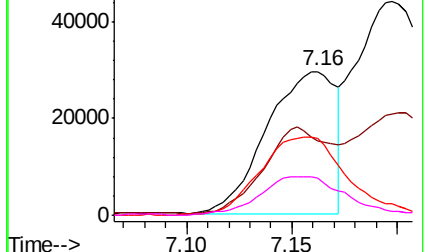
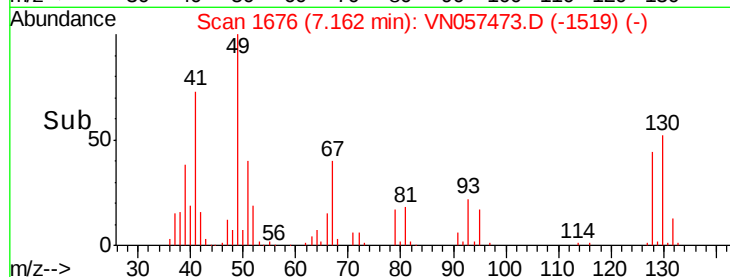


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 67.00 (66.70 to 67.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



#36

1,2-Dichloroethane

Concen: 21.177 ug/l

RT: 8.11 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VN057473.D

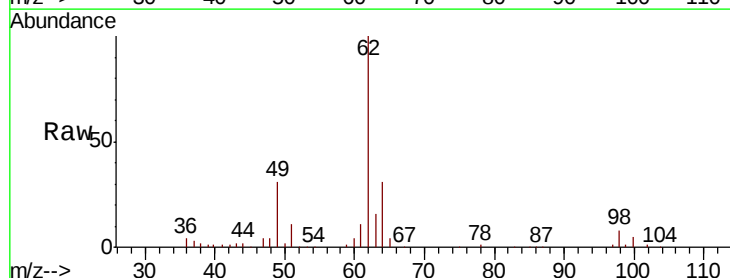
Acq: 23 Aug 2019 14:40

Tgt Ion: 62 Resp: 156815

Ion Ratio Lower Upper

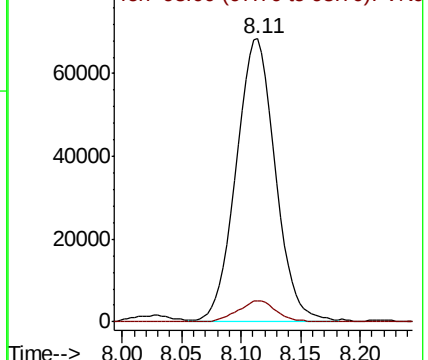
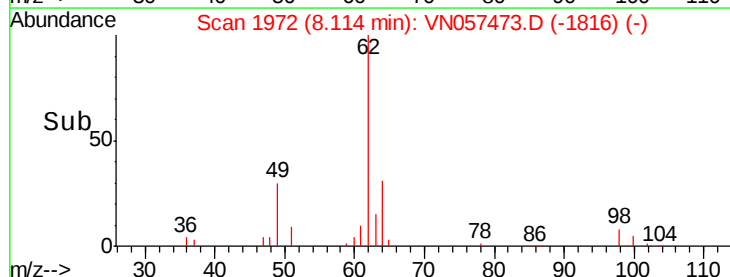
62 100

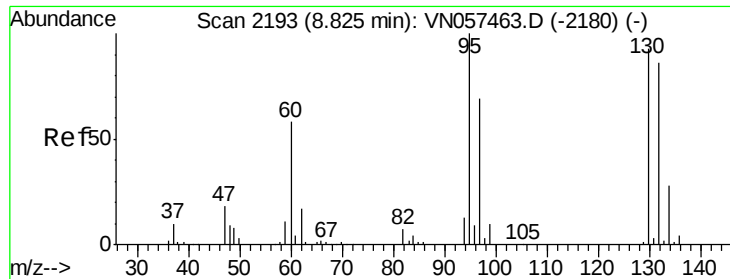
98 7.3 2.8 4.2#



Abundance Ion 62.00 (61.70 to 62.70): VN0

Ion 98.00 (97.70 to 98.70): VN0

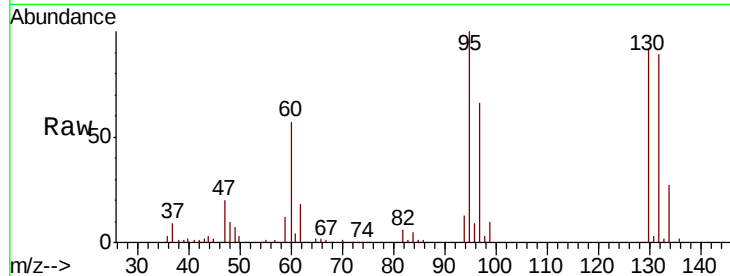




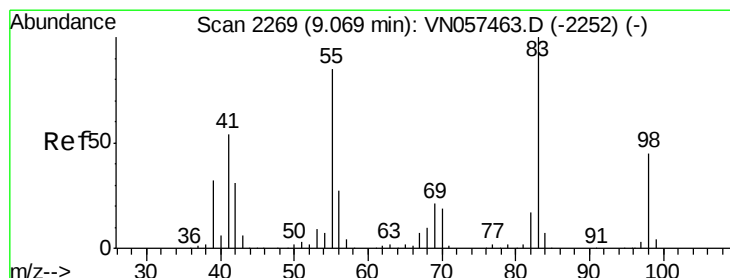
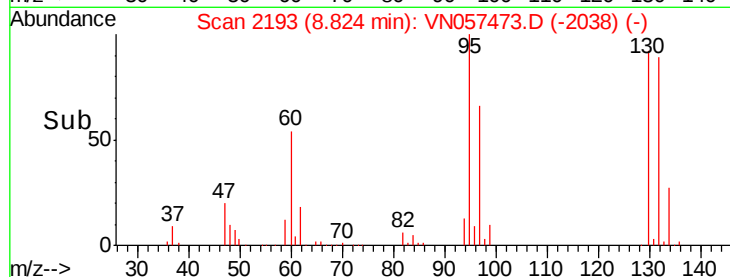
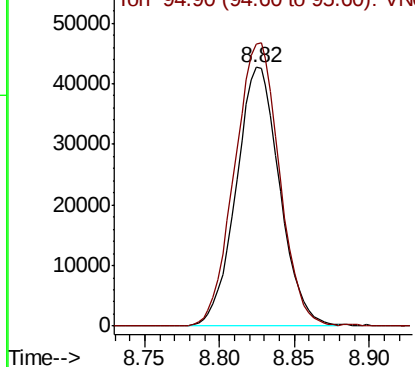
#37
 Trichloroethene
 Concen: 20.088 ug/l
 RT: 8.82 min Scan# 2193
 Delta R.T. -0.00 min
 Lab File: VN057473.D
 Acq: 23 Aug 2019 14:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tgt Ion:130 Resp: 86574
 Ion Ratio Lower Upper
 130 100
 95 108.8 86.4 129.6

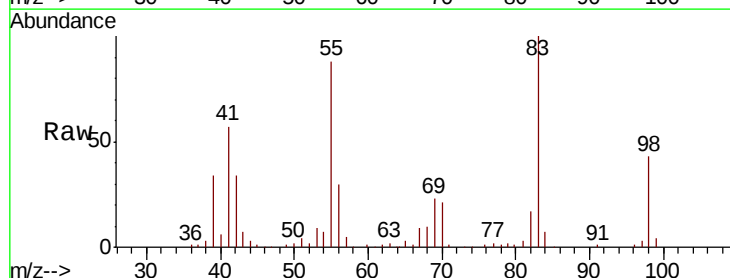


Abundance Ion 129.90 (129.60 to 130.60): V
 Ion 94.90 (94.60 to 95.60): VN

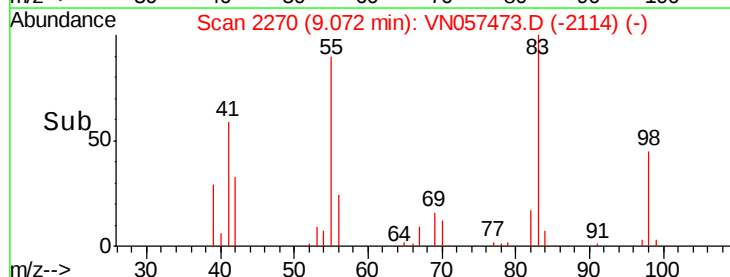
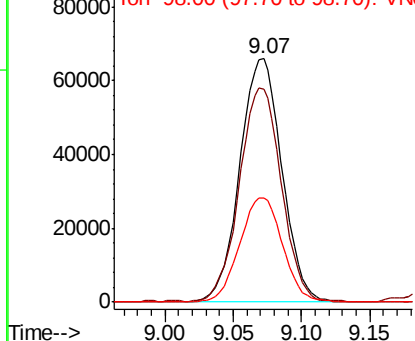


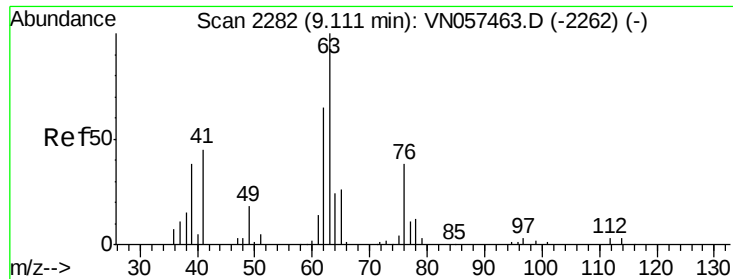
#38
 Methylcyclohexane
 Concen: 19.585 ug/l
 RT: 9.07 min Scan# 2270
 Delta R.T. 0.00 min
 Lab File: VN057473.D
 Acq: 23 Aug 2019 14:40

Tgt Ion: 83 Resp: 141209
 Ion Ratio Lower Upper
 83 100
 55 86.8 43.3 129.8
 98 43.7 22.8 68.4



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

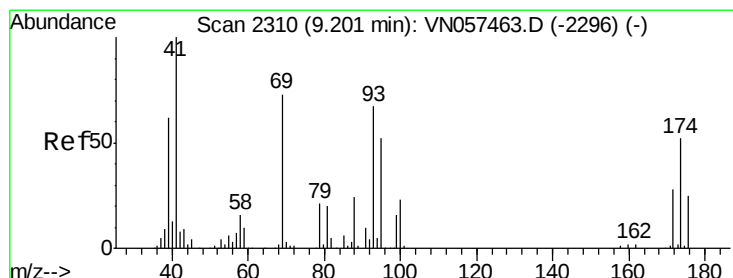
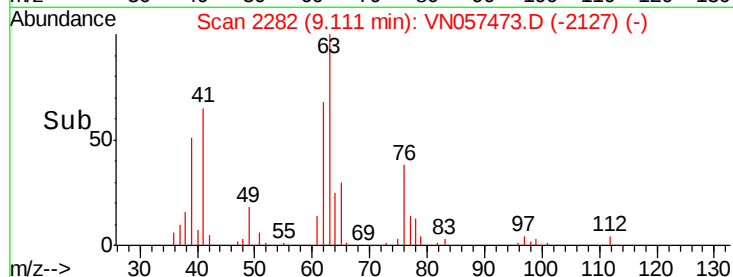
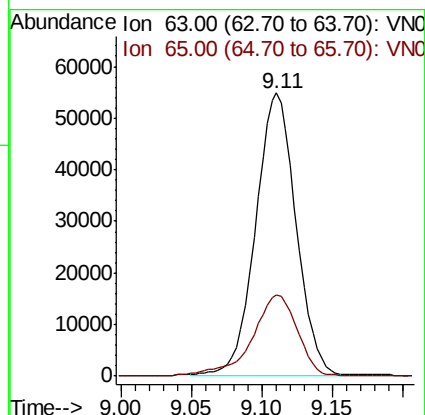
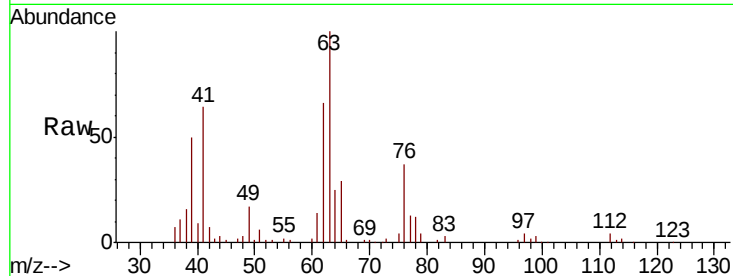




#39
 1,2-Dichloropropane
 Concen: 20.473 ug/l
 RT: 9.11 min Scan# 2282
 Delta R.T. -0.00 min
 Lab File: VN057473.D
 Acq: 23 Aug 2019 14:40

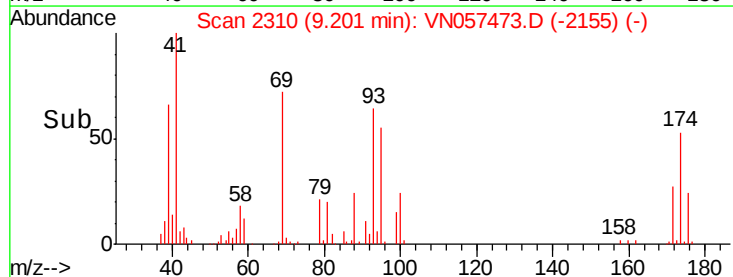
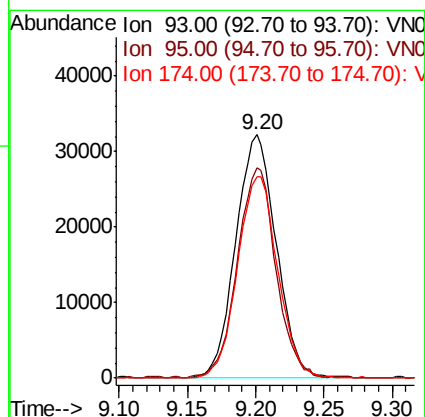
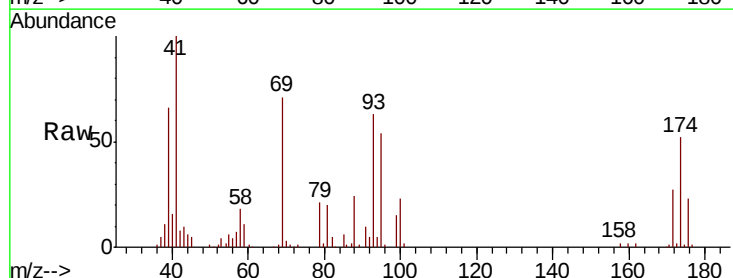
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

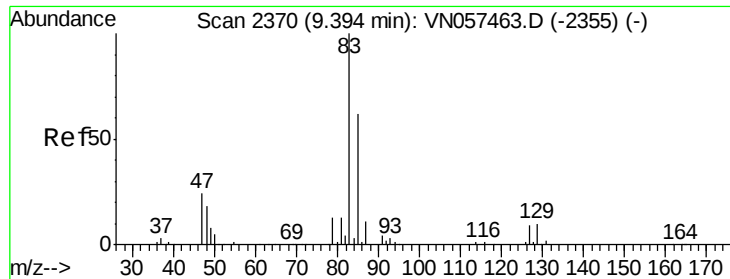
Tgt Ion: 63 Resp: 109964
 Ion Ratio Lower Upper
 63 100
 65 28.7 21.6 32.4



#40
 Dibromomethane
 Concen: 20.313 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. -0.00 min
 Lab File: VN057473.D
 Acq: 23 Aug 2019 14:40

Tgt Ion: 93 Resp: 66682
 Ion Ratio Lower Upper
 93 100
 95 82.2 0.0 160.8
 174 81.7 0.0 157.2





#41

Bromodichloromethane

Concen: 19.685 ug/l

RT: 9.40 min Scan# 2371

Delta R.T. 0.00 min

Lab File: VN057473.D

Acq: 23 Aug 2019 14:40

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

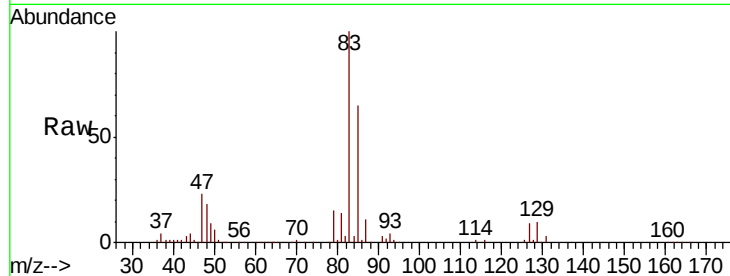
Tgt Ion: 83 Resp: 137053

Ion Ratio Lower Upper

83 100

85 65.4 49.8 74.8

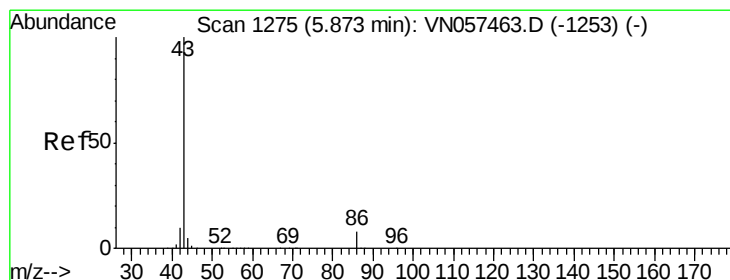
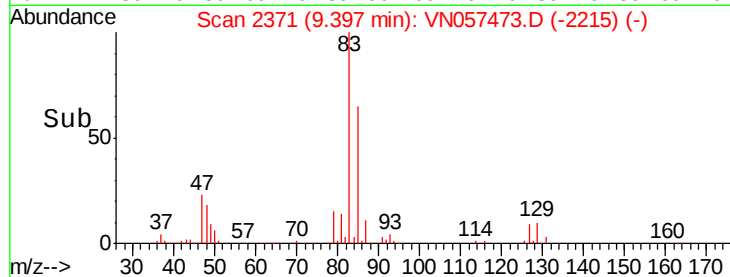
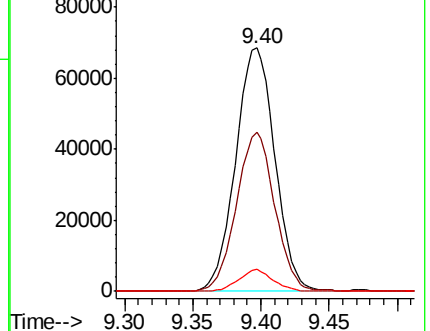
127 10.0 7.6 11.4



Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 85.00 (84.70 to 85.70): VN0

Ion 127.00 (126.70 to 127.70): VN0



#42

Vinyl Acetate

Concen: 101.565 ug/l

RT: 5.88 min Scan# 1276

Delta R.T. 0.00 min

Lab File: VN057473.D

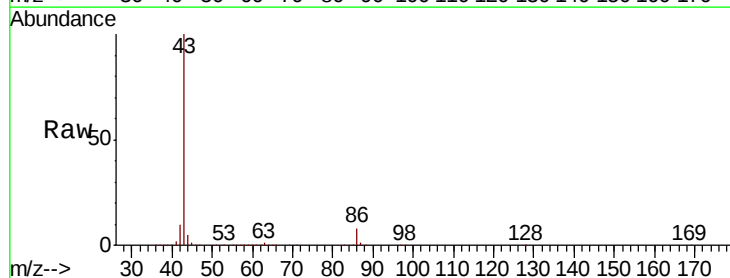
Acq: 23 Aug 2019 14:40

Tgt Ion: 43 Resp: 1403748

Ion Ratio Lower Upper

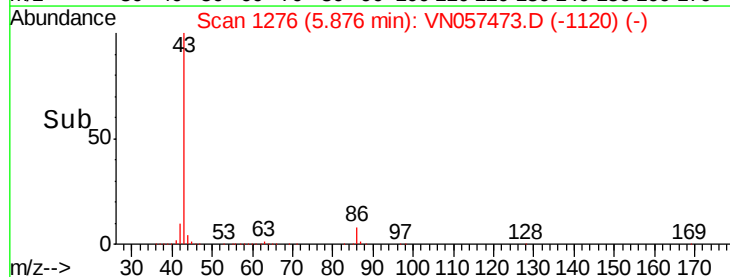
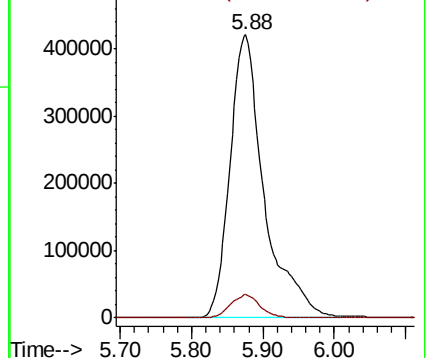
43 100

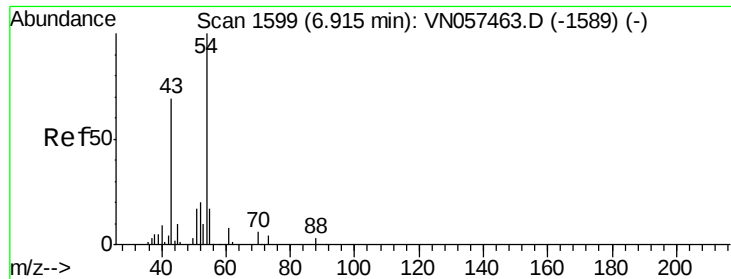
86 7.1 5.7 8.5



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

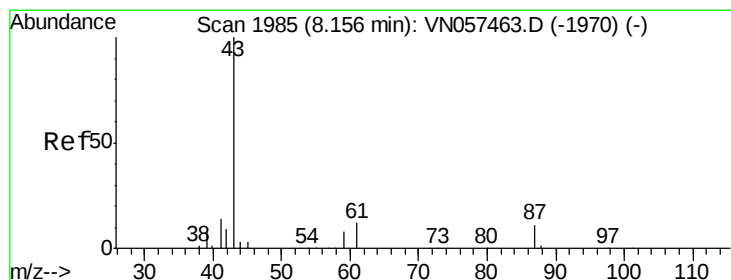
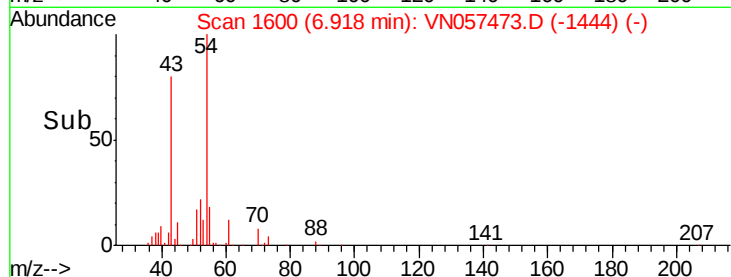
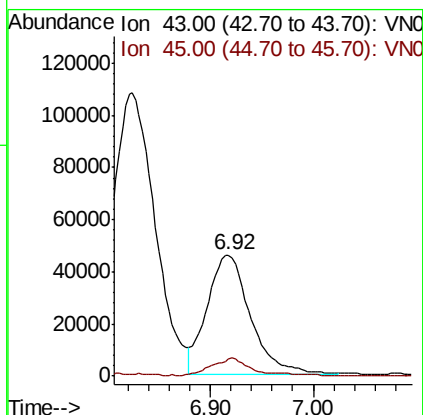
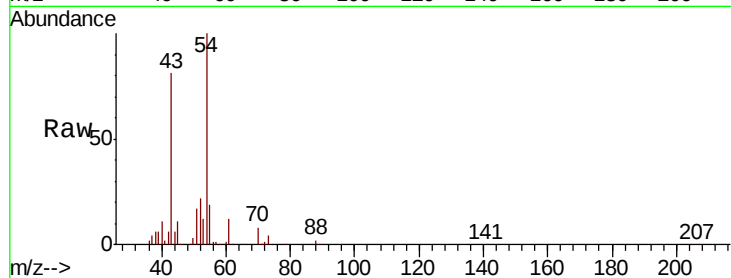




#43
Ethyl Acetate
Concen: 22.648 ug/l
RT: 6.92 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VN057473.D
Acq: 23 Aug 2019 14:40

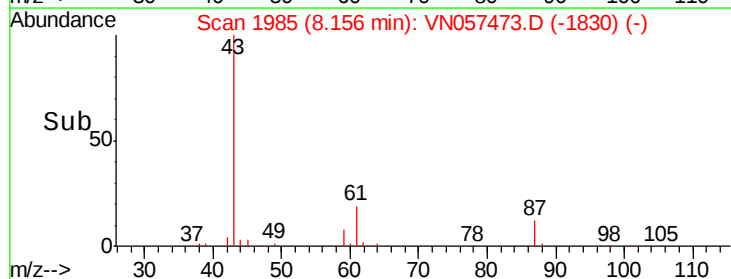
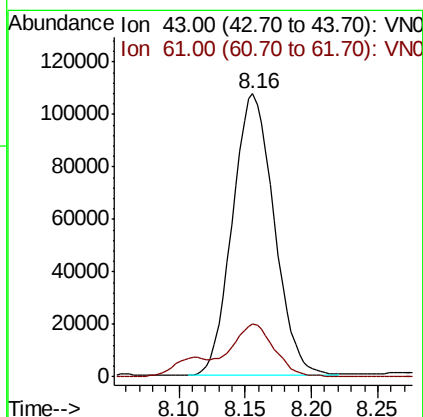
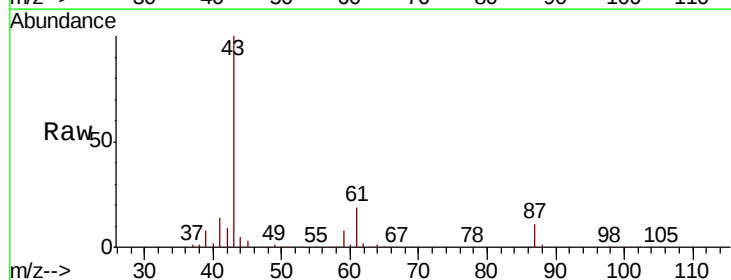
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

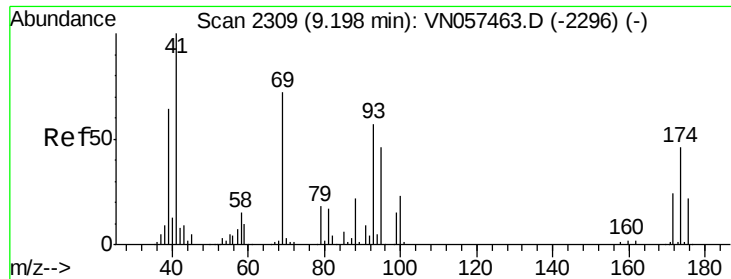
Tgt Ion: 43 Resp: 136152
Ion Ratio Lower Upper
43 100
45 11.9 11.0 16.4



#44
Isopropyl Acetate
Concen: 20.398 ug/l
RT: 8.16 min Scan# 1985
Delta R.T. -0.00 min
Lab File: VN057473.D
Acq: 23 Aug 2019 14:40

Tgt Ion: 43 Resp: 234084
Ion Ratio Lower Upper
43 100
61 17.8 0.1 0.1#

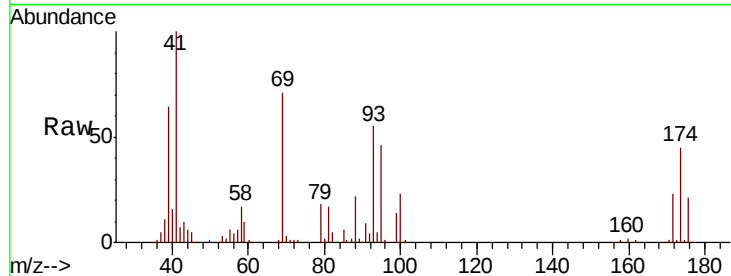




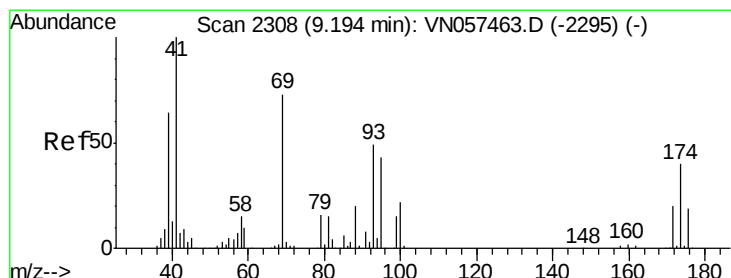
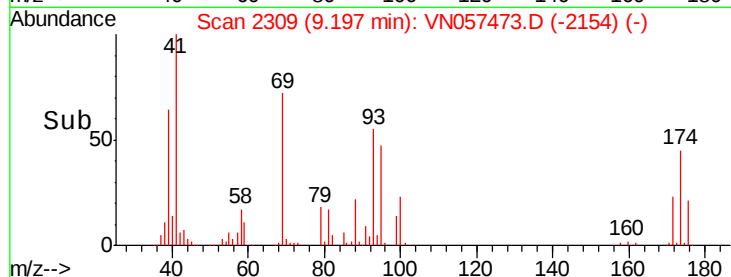
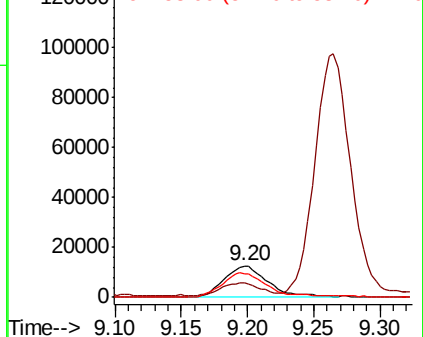
#45
 1,4-Dioxane
 Concen: 424.588 ug/l
 RT: 9.20 min Scan# 2309
 Delta R.T. -0.00 min
 Lab File: VN057473.D
 Acq: 23 Aug 2019 14:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tgt Ion: 88 Resp: 29288
 Ion Ratio Lower Upper
 88 100
 43 36.3 29.8 44.6
 58 74.8 62.2 93.2

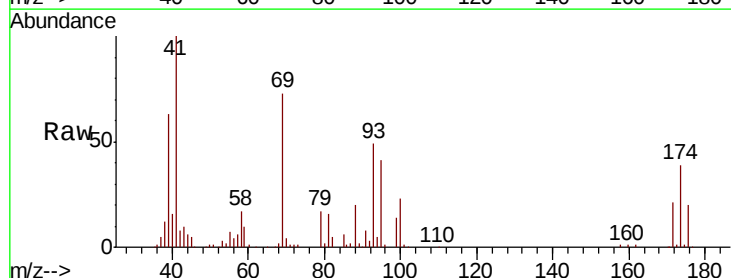


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

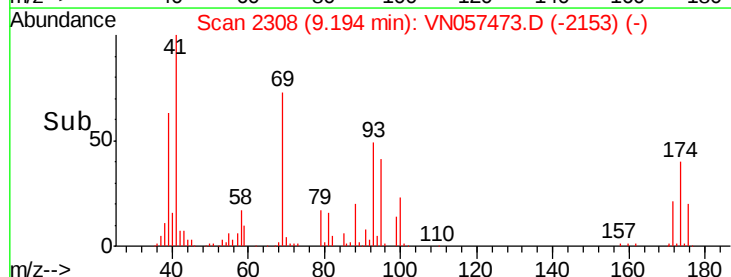
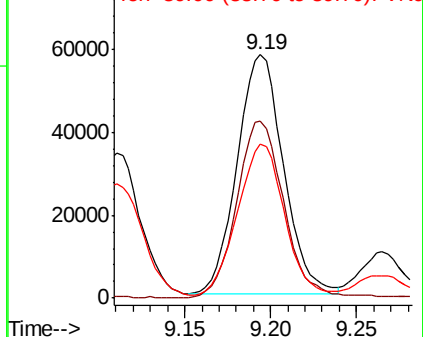


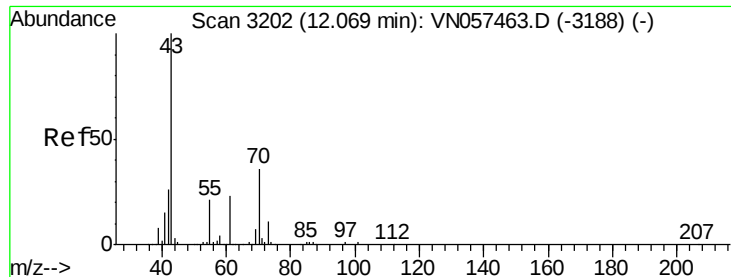
#46
 Methyl methacrylate
 Concen: 19.883 ug/l
 RT: 9.19 min Scan# 2308
 Delta R.T. -0.00 min
 Lab File: VN057473.D
 Acq: 23 Aug 2019 14:40

Tgt Ion: 41 Resp: 108361
 Ion Ratio Lower Upper
 41 100
 69 74.3 36.5 109.5
 39 62.9 32.1 96.3



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

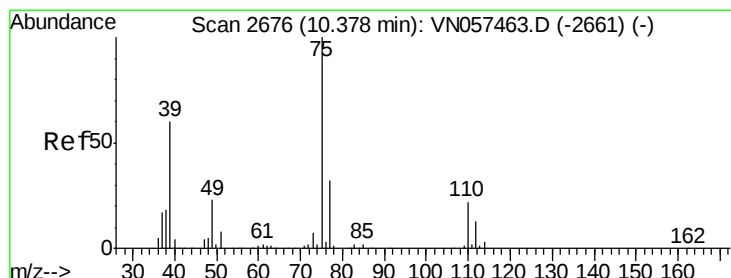
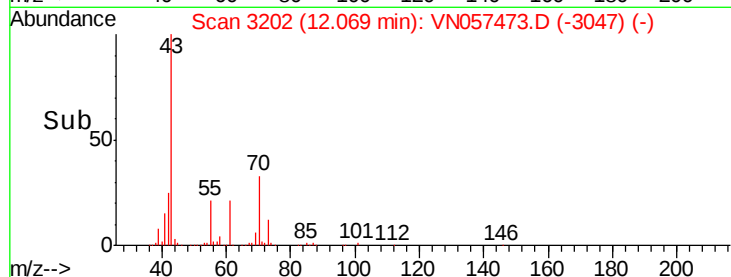
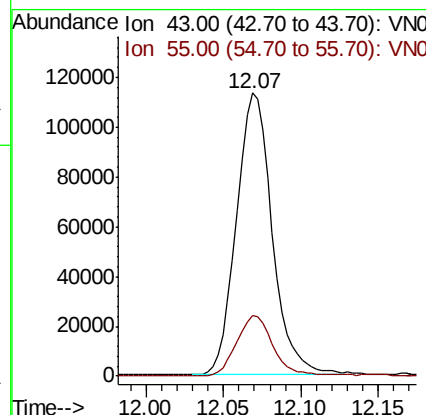
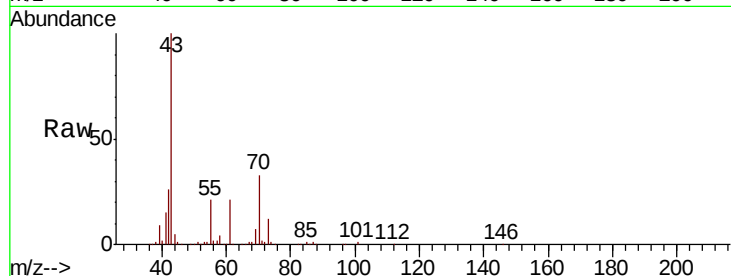




#47
n-amyl Acetate
Concen: 19.708 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. -0.00 min
Lab File: VN057473.D
Acq: 23 Aug 2019 14:40

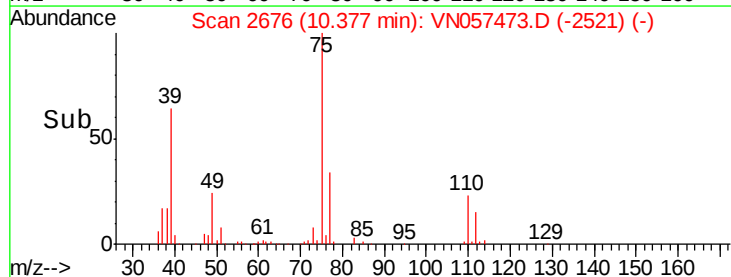
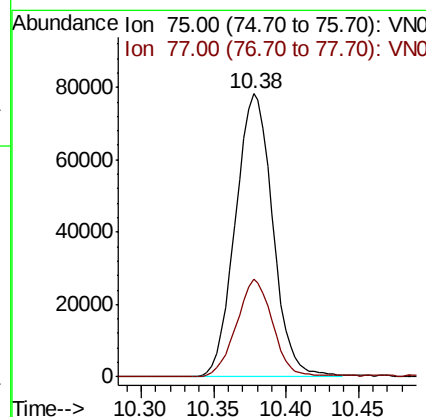
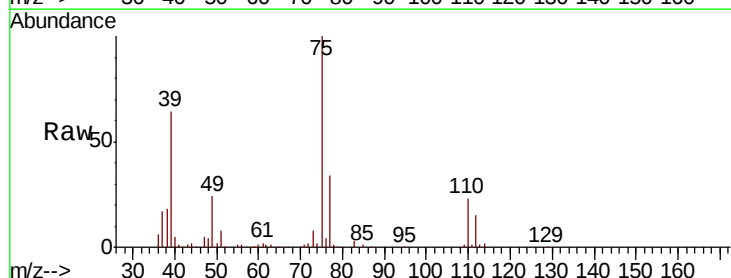
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

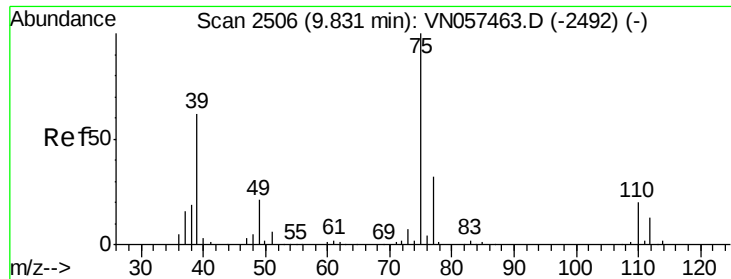
Tgt Ion: 43 Resp: 182032
Ion Ratio Lower Upper
43 100
55 21.3 17.0 25.6



#48
t-1,3-Dichloropropene
Concen: 19.083 ug/l
RT: 10.38 min Scan# 2676
Delta R.T. -0.00 min
Lab File: VN057473.D
Acq: 23 Aug 2019 14:40

Tgt Ion: 75 Resp: 140357
Ion Ratio Lower Upper
75 100
77 34.4 25.7 38.5





#49

cis-1,3-Dichloropropene

Concen: 19.319 ug/l

RT: 9.83 min Scan# 2507

Delta R.T. 0.00 min

Lab File: VN057473.D

Acq: 23 Aug 2019 14:40

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

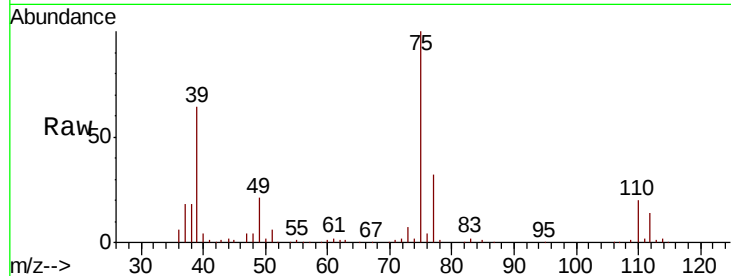
Tgt Ion: 75 Resp: 156167

Ion Ratio Lower Upper

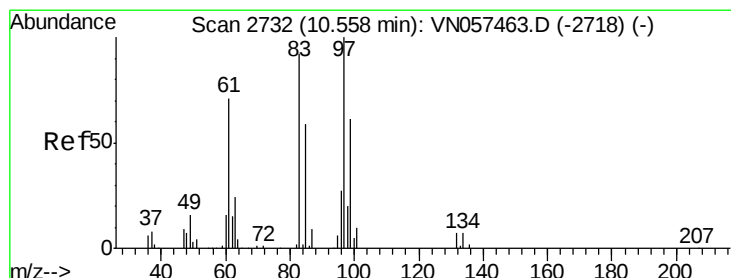
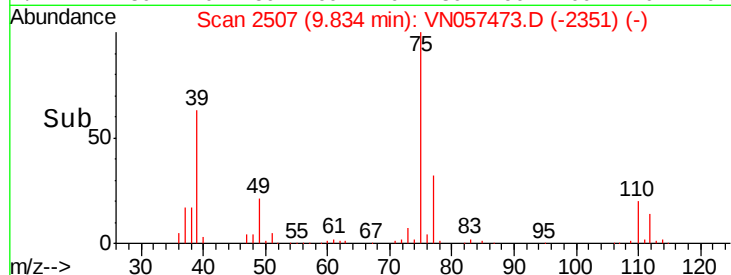
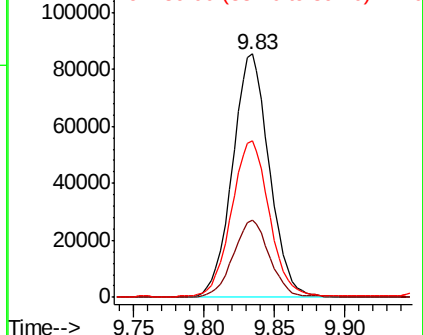
75 100

77 31.7 25.4 38.0

39 63.5 49.8 74.6



Abundance Ion 75.00 (74.70 to 75.70): VNO
Ion 77.00 (76.70 to 77.70): VNO
Ion 39.00 (38.70 to 39.70): VNO



#50

1,1,2-Trichloroethane

Concen: 20.331 ug/l

RT: 10.56 min Scan# 2732

Delta R.T. -0.00 min

Lab File: VN057473.D

Acq: 23 Aug 2019 14:40

Tgt Ion: 97 Resp: 87515

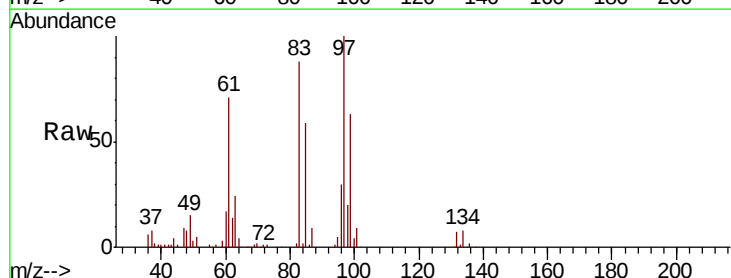
Ion Ratio Lower Upper

97 100

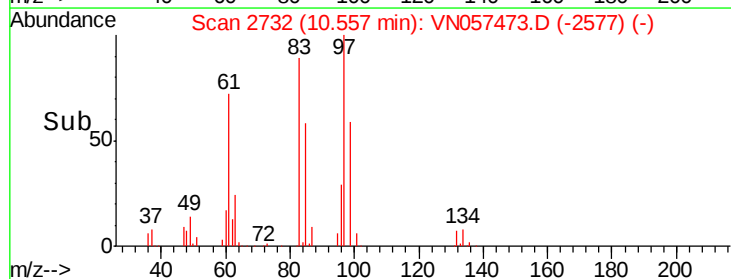
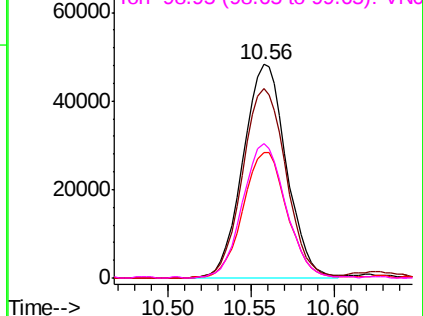
83 88.4 73.2 109.8

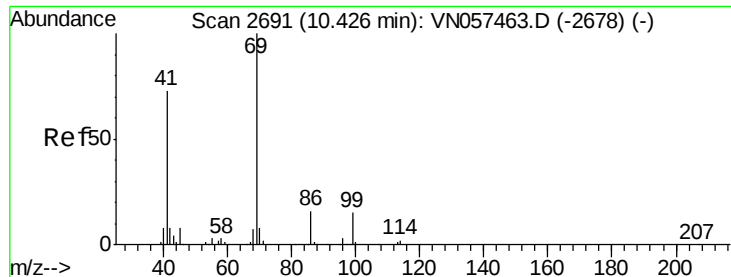
85 58.9 47.1 70.7

99 62.9 49.0 73.4



Abundance Ion 97.00 (96.70 to 97.70): VNO
Ion 82.95 (82.65 to 83.65): VNO
Ion 84.95 (84.65 to 85.65): VNO
Ion 98.95 (98.65 to 99.65): VNO





#51

Ethyl methacrylate

Concen: 20.519 ug/l

RT: 10.43 min Scan# 2691

Delta R.T. -0.00 min

Lab File: VN057473.D

Acq: 23 Aug 2019 14:40

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

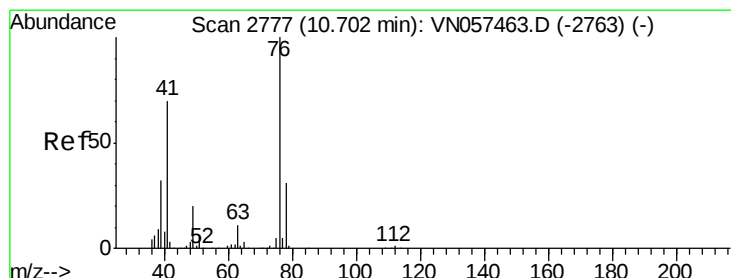
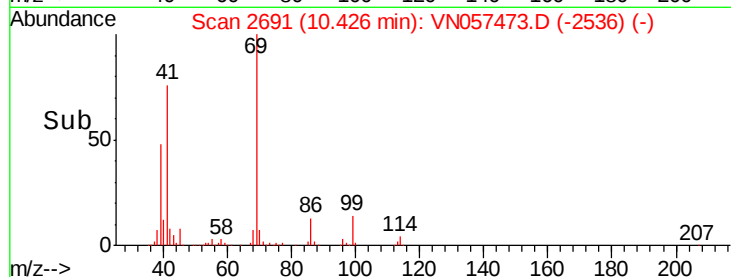
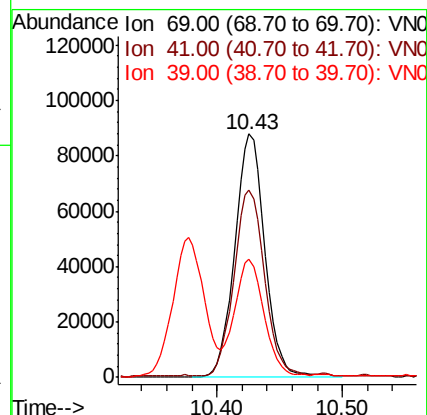
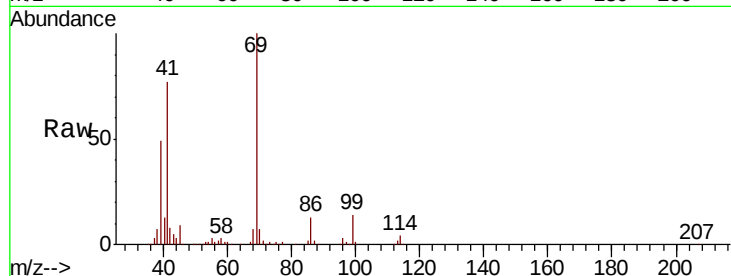
Tgt Ion: 69 Resp: 146821

Ion Ratio Lower Upper

69 100

41 76.0 37.0 111.1

39 47.7 24.4 73.4



#52

1,3-Dichloropropane

Concen: 20.266 ug/l

RT: 10.70 min Scan# 2777

Delta R.T. -0.00 min

Lab File: VN057473.D

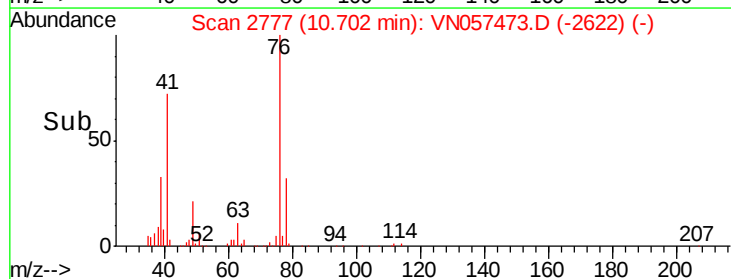
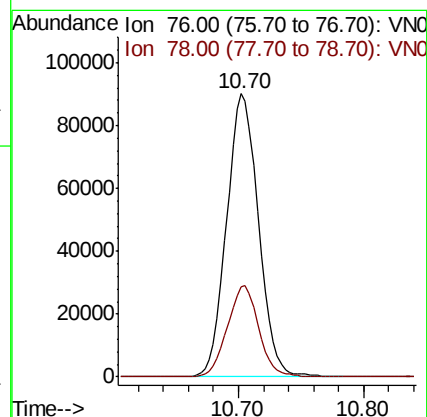
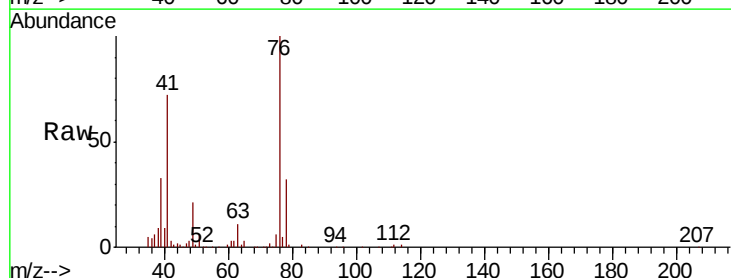
Acq: 23 Aug 2019 14:40

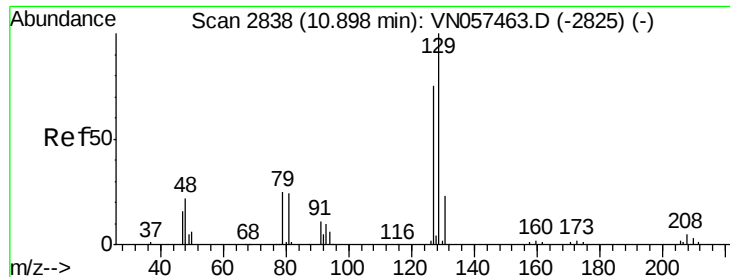
Tgt Ion: 76 Resp: 159041

Ion Ratio Lower Upper

76 100

78 31.6 0.0 63.0





#53

Dibromochloromethane

Concen: 19.756 ug/l

RT: 10.90 min Scan# 2838

Delta R.T. -0.00 min

Lab File: VN057473.D

Acq: 23 Aug 2019 14:40

Instrument :

MSVOA_N

ClientSampleId :

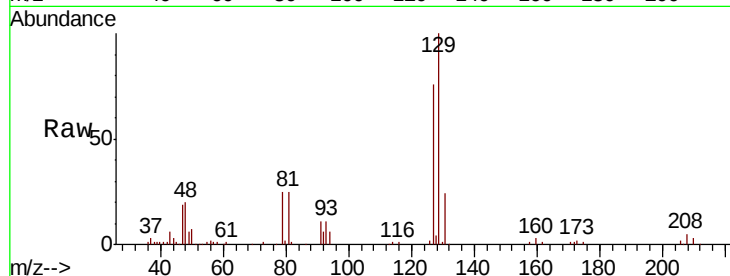
VSTDCCC020EC

Tgt Ion:129 Resp: 90655

Ion Ratio Lower Upper

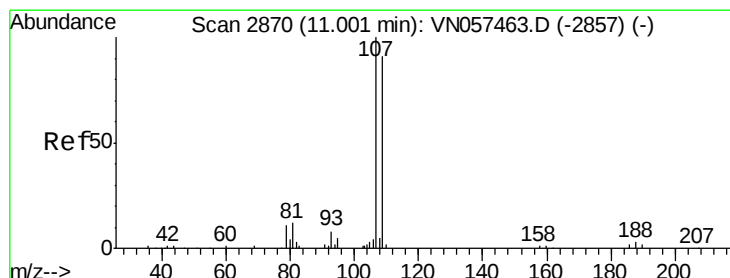
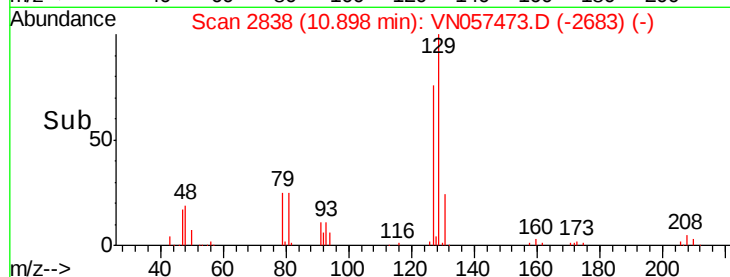
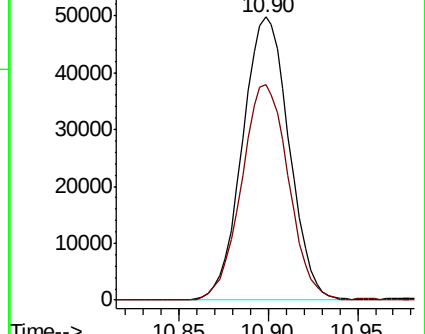
129 100

127 76.7 38.1 114.3



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#54

1,2-Dibromoethane

Concen: 19.934 ug/l

RT: 11.00 min Scan# 2870

Delta R.T. -0.00 min

Lab File: VN057473.D

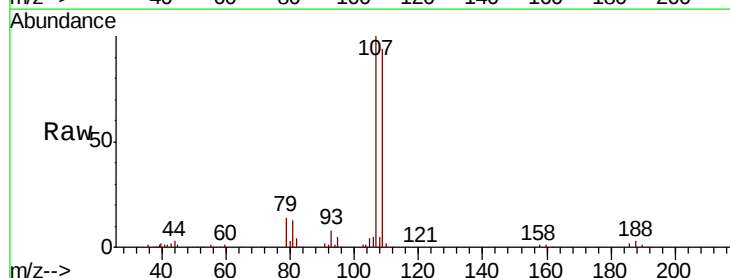
Acq: 23 Aug 2019 14:40

Tgt Ion:107 Resp: 87796

Ion Ratio Lower Upper

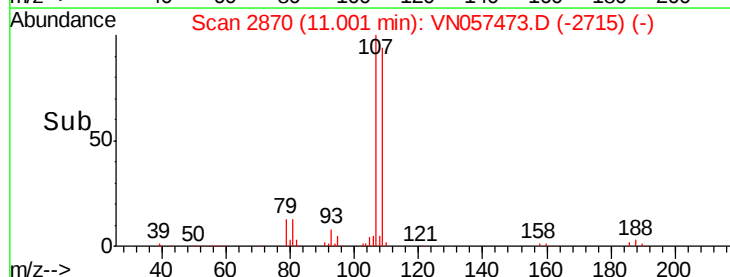
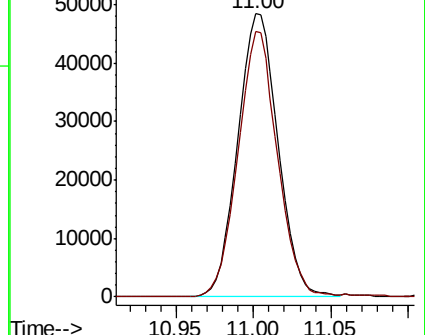
107 100

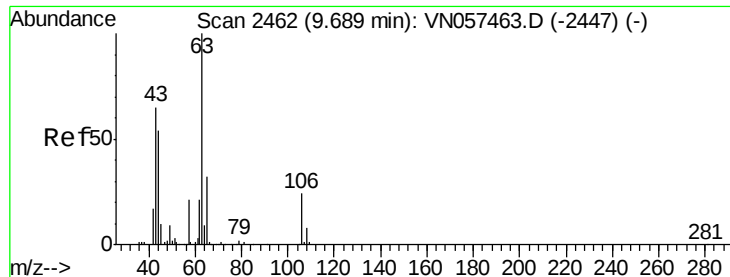
109 91.4 73.2 109.8



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

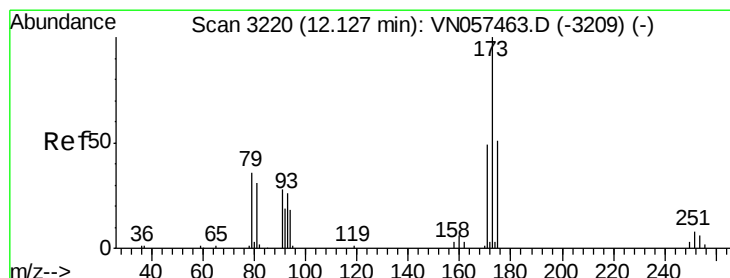
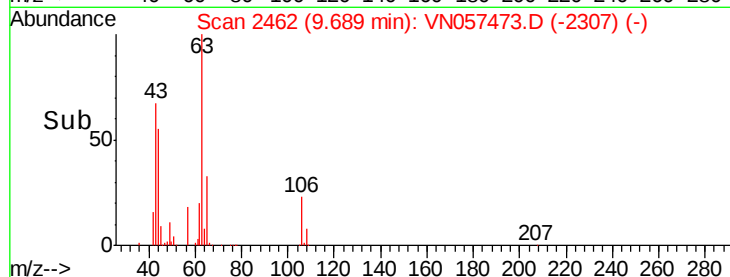
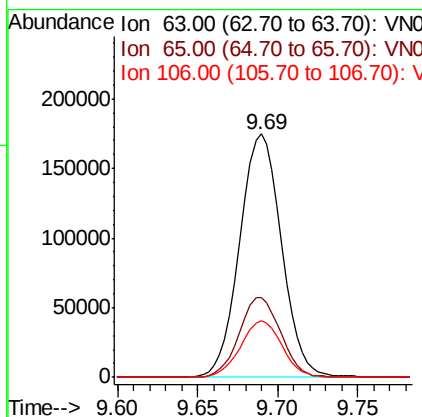
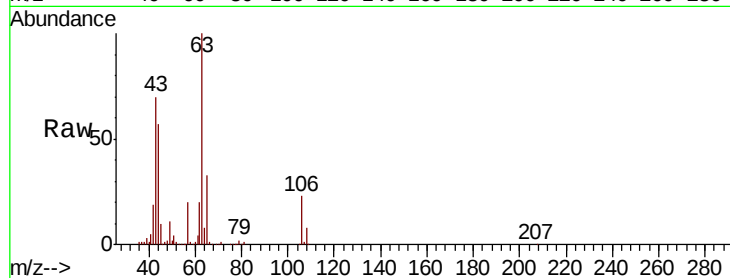




#55
 2-Chloroethyl vinyl ether
 Concen: 176.856 ug/l
 RT: 9.69 min Scan# 2462
 Delta R.T. -0.00 min
 Lab File: VN057473.D
 Acq: 23 Aug 2019 14:40

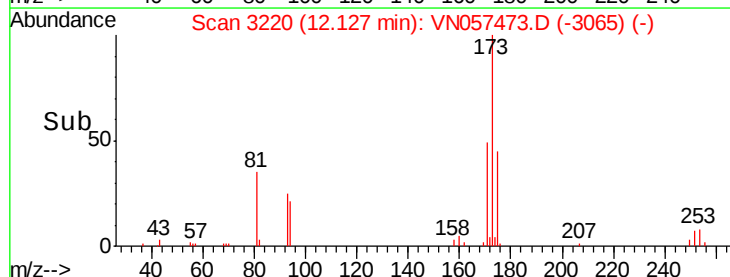
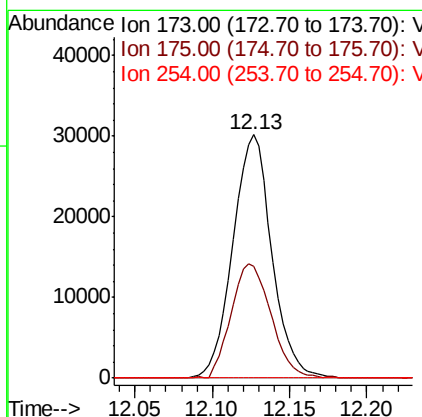
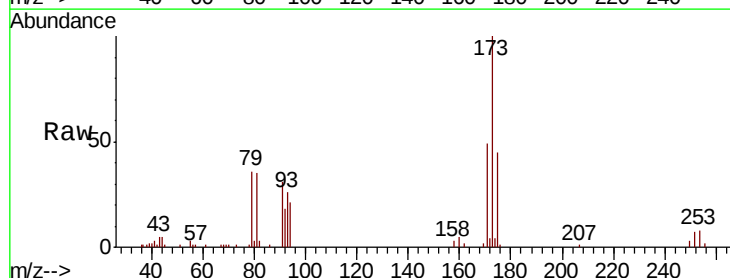
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

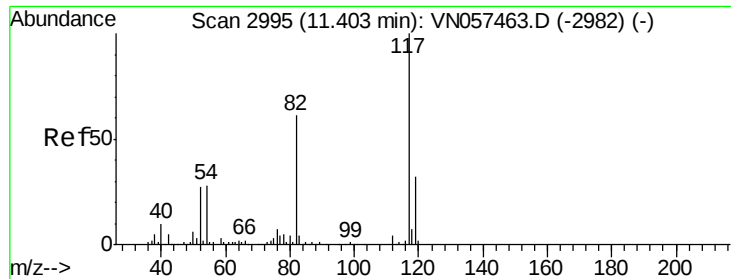
Tgt Ion: 63 Resp: 311943
 Ion Ratio Lower Upper
 63 100
 65 32.4 25.1 37.7
 106 23.2 18.7 28.1



#56
 Bromoform
 Concen: 19.261 ug/l
 RT: 12.13 min Scan# 3220
 Delta R.T. -0.00 min
 Lab File: VN057473.D
 Acq: 23 Aug 2019 14:40

Tgt Ion: 173 Resp: 52750
 Ion Ratio Lower Upper
 173 100
 175 47.8 40.1 60.1
 254 0.0 0.0 0.0

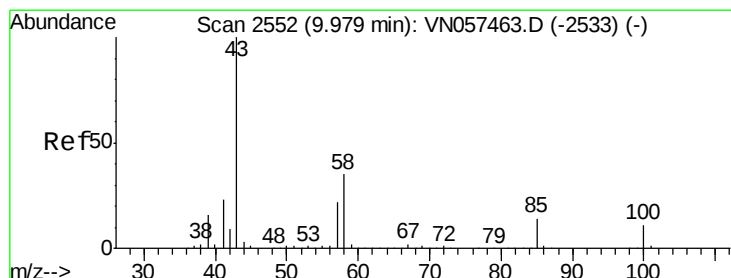
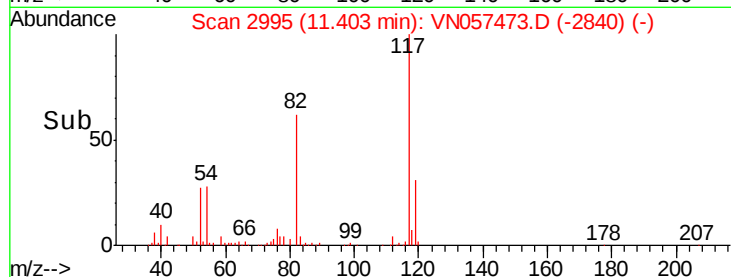
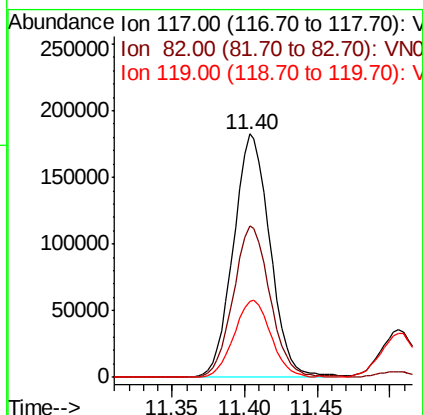
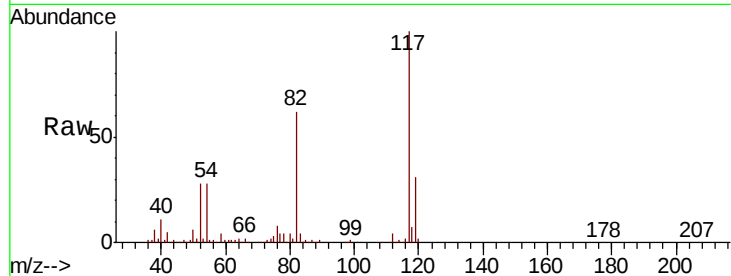




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. -0.00 min
Lab File: VN057473.D
Acq: 23 Aug 2019 14:40

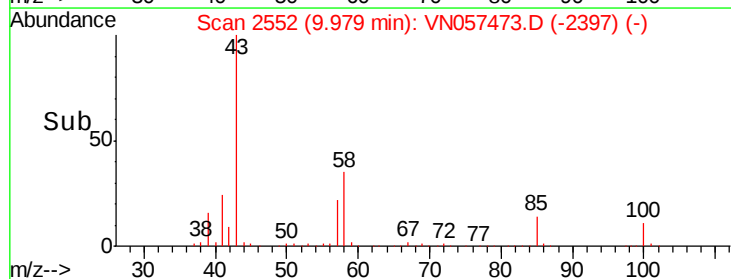
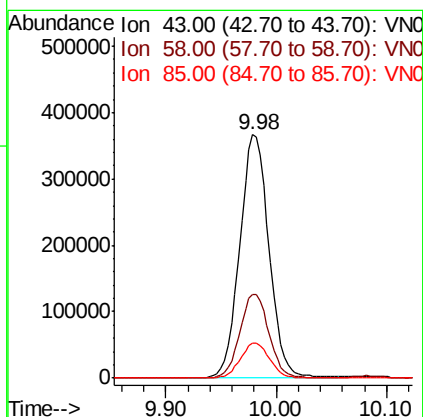
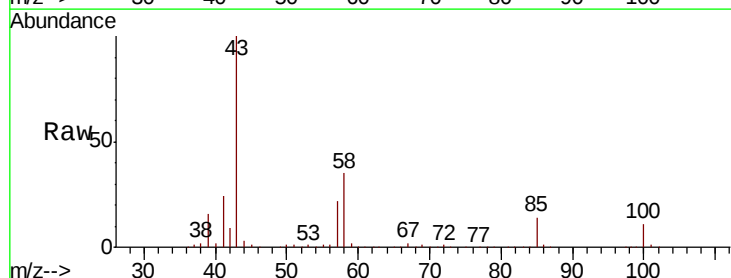
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

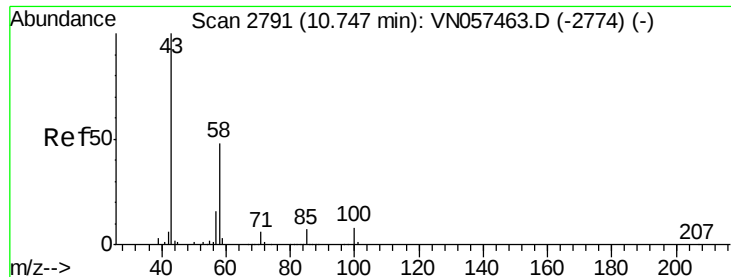
Tgt Ion: 117 Resp: 320125
Ion Ratio Lower Upper
117 100
82 62.7 50.4 75.6
119 32.0 25.4 38.2



#58
4-Methyl-2-Pentanone
Concen: 107.154 ug/l
RT: 9.98 min Scan# 2552
Delta R.T. -0.00 min
Lab File: VN057473.D
Acq: 23 Aug 2019 14:40

Tgt Ion: 43 Resp: 672937
Ion Ratio Lower Upper
43 100
58 34.4 28.0 42.0
85 14.4 11.3 16.9

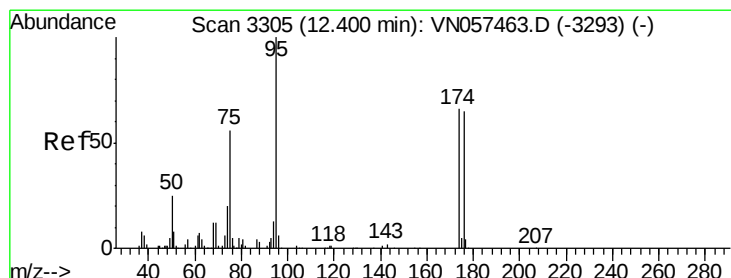
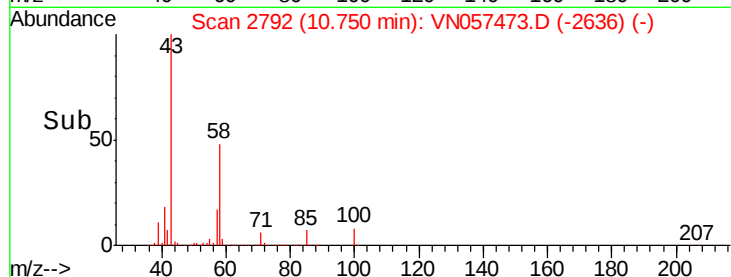
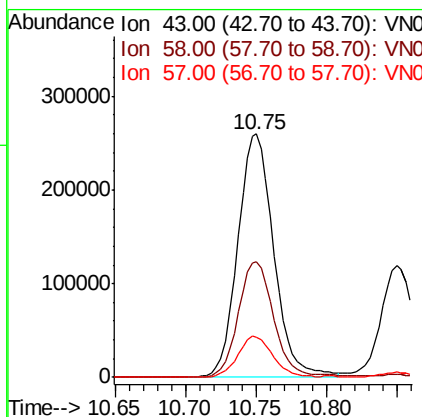
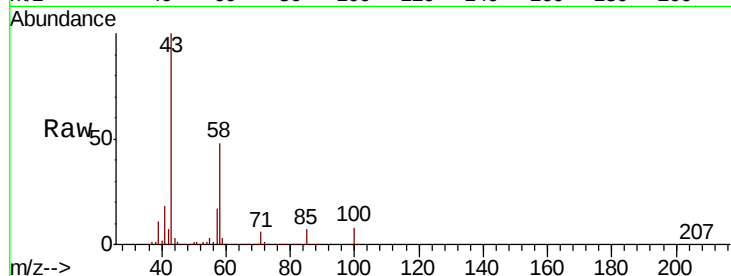




#59
2-Hexanone
Concen: 105.917 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN057473.D
Acq: 23 Aug 2019 14:40

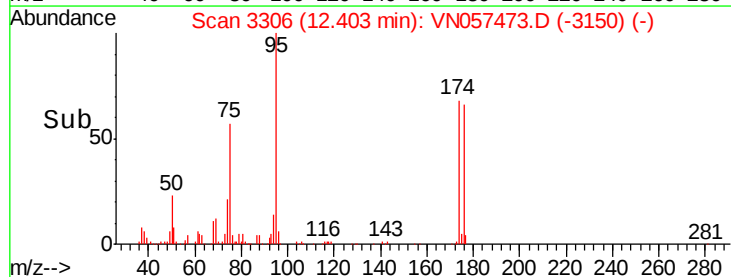
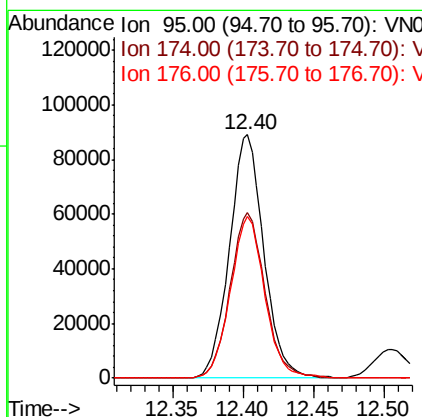
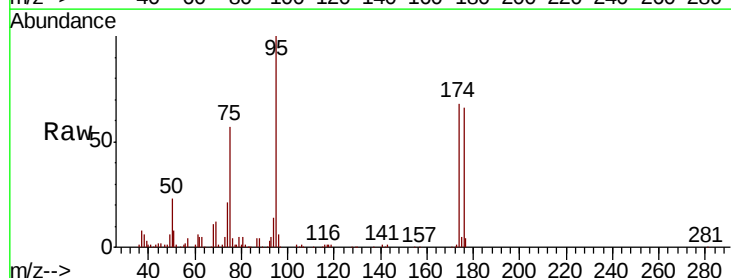
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

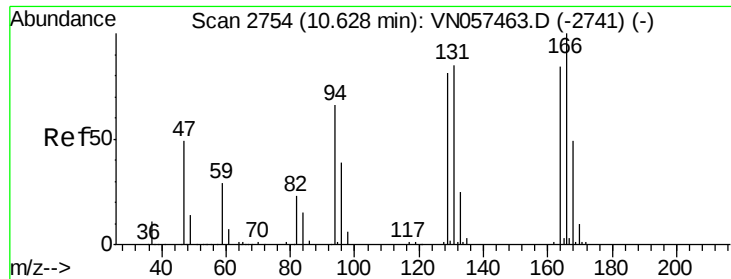
Tgt Ion: 43 Resp: 461050
Ion Ratio Lower Upper
43 100
58 46.6 38.9 58.3
57 16.6 13.0 19.4



#60
4-Bromofluorobenzene
Concen: 28.864 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN057473.D
Acq: 23 Aug 2019 14:40

Tgt Ion: 95 Resp: 152374
Ion Ratio Lower Upper
95 100
174 68.6 54.9 82.3
176 66.1 54.2 81.4

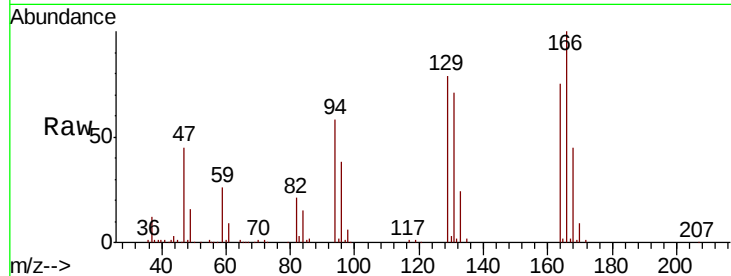




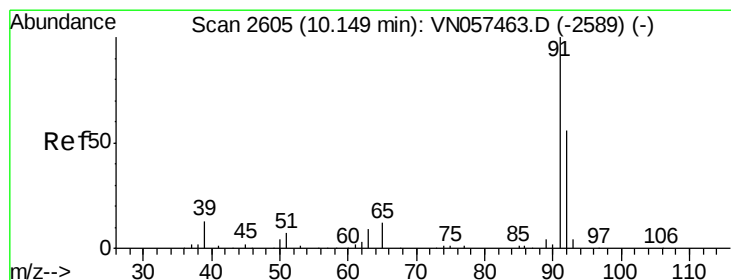
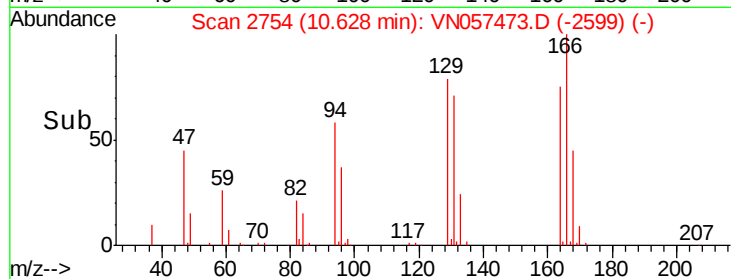
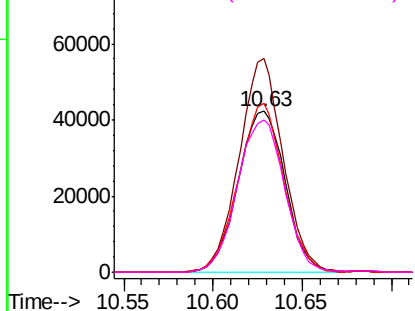
#61
Tetrachloroethene
Concen: 21.163 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. -0.00 min
Lab File: VN057473.D
Acq: 23 Aug 2019 14:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion:164 Resp: 77694
Ion Ratio Lower Upper
164 100
166 132.3 95.8 143.6
129 105.1 77.2 115.8
131 94.4 81.1 121.7

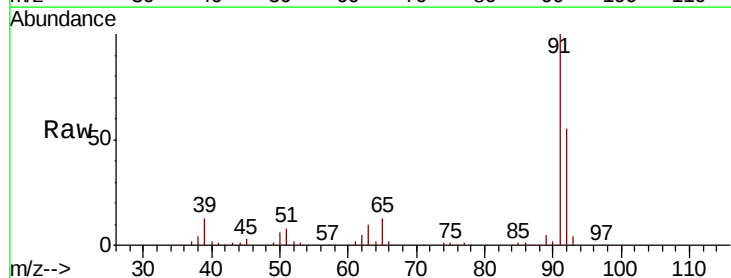


Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.90 (128.60 to 129.60): V
Ion 130.90 (130.60 to 131.60): V

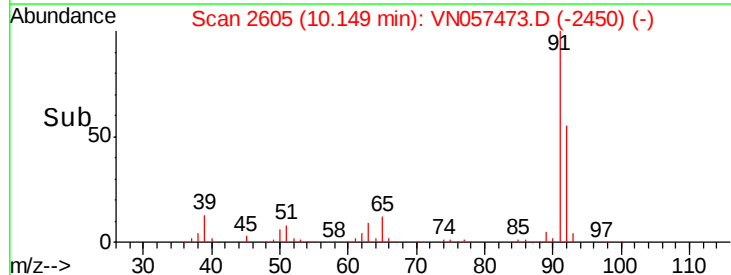
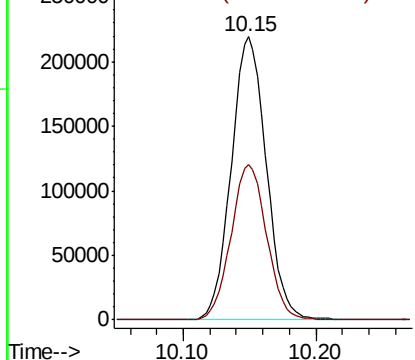


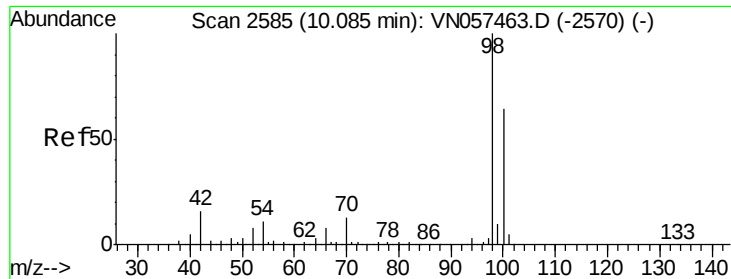
#62
Toluene
Concen: 20.553 ug/l
RT: 10.15 min Scan# 2605
Delta R.T. -0.00 min
Lab File: VN057473.D
Acq: 23 Aug 2019 14:40

Tgt Ion: 91 Resp: 402124
Ion Ratio Lower Upper
91 100
92 55.8 45.4 68.0



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





#63

Toluene-d8

Concen: 30.362 ug/l

RT: 10.08 min Scan# 2585

Delta R.T. -0.00 min

Lab File: VN057473.D

Acq: 23 Aug 2019 14:40

Instrument :

MSVOA_N

ClientSampleId :

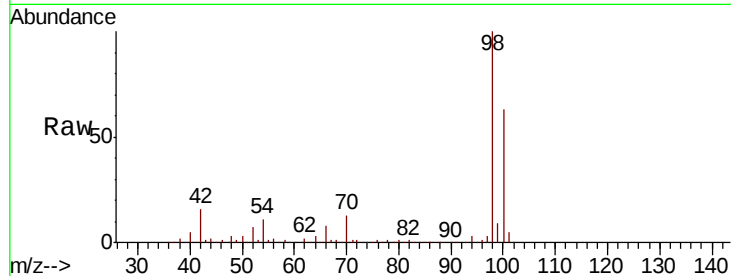
VSTDCCC020EC

Tgt Ion: 98 Resp: 490837

Ion Ratio Lower Upper

98 100

100 62.8 51.0 76.6



Abundance Ion 98.00 (97.70 to 98.70): VN057463.D (-2570) (-)

Ion 100.00 (99.70 to 100.70): VN057463.D (-2570) (-)

10.08

250000

200000

150000

100000

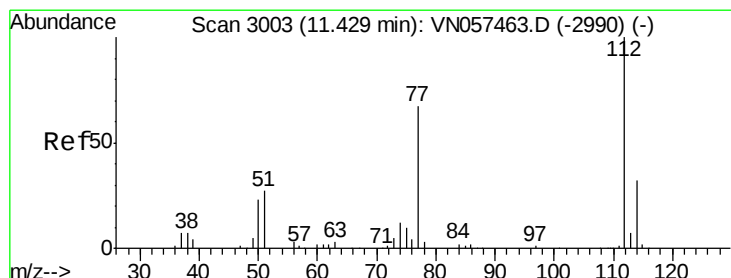
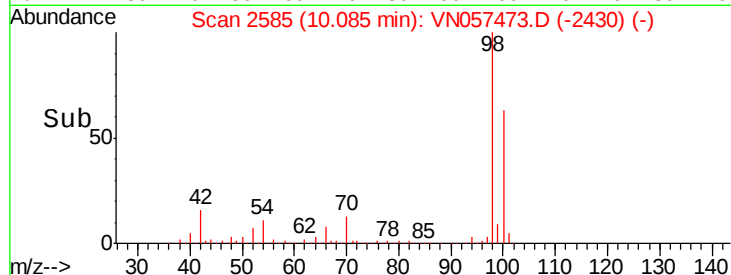
50000

0

10.00

10.10

Time-->



#64

Chlorobenzene

Concen: 20.429 ug/l

RT: 11.43 min Scan# 3003

Delta R.T. -0.00 min

Lab File: VN057473.D

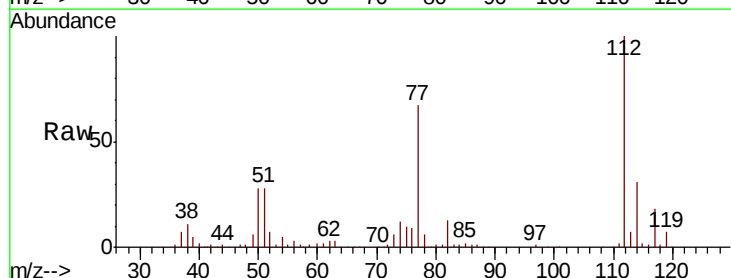
Acq: 23 Aug 2019 14:40

Tgt Ion: 112 Resp: 217294

Ion Ratio Lower Upper

112 100

114 30.6 25.6 38.4



Abundance Ion 112.00 (111.70 to 112.70): VN057463.D (-2990) (-)

Ion 114.00 (113.70 to 114.70): VN057463.D (-2990) (-)

11.43

100000

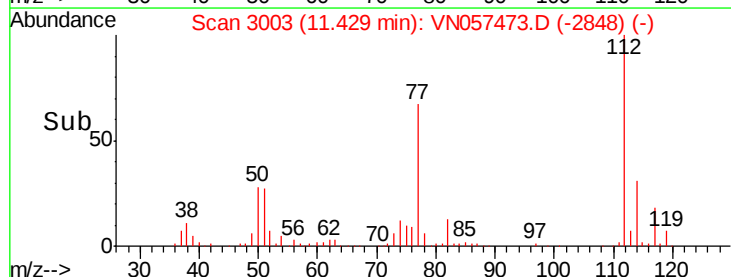
50000

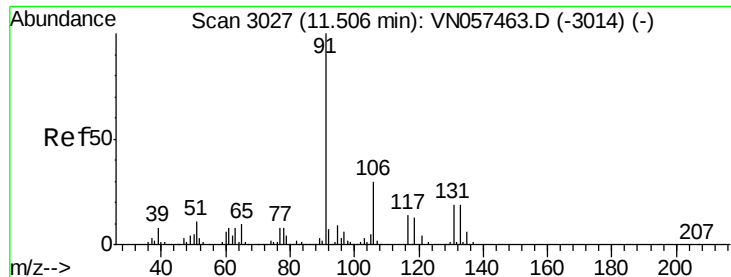
0

11.40

11.50

Time-->





#65

1,1,1,2-Tetrachloroethane

Concen: 20.890 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN057473.D

Acq: 23 Aug 2019 14:40

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

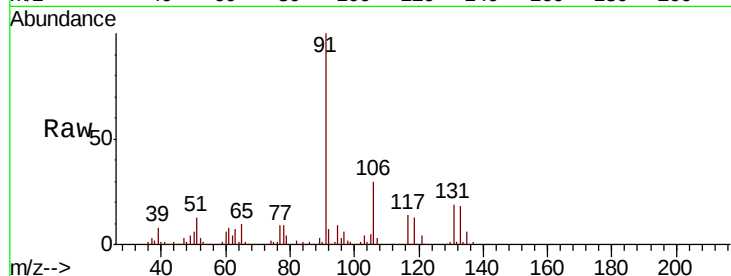
Tgt Ion:131 Resp: 84443

Ion Ratio Lower Upper

131 100

133 92.6 0.0 193.6

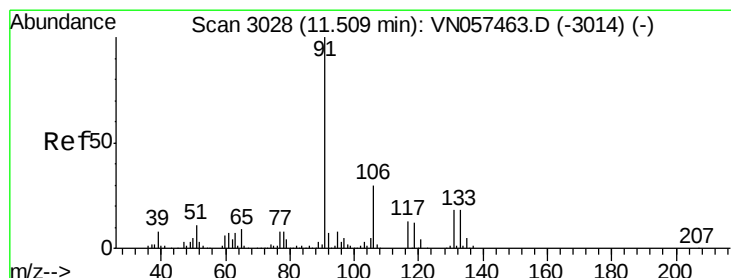
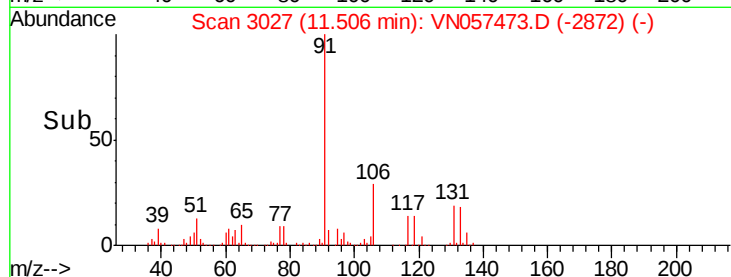
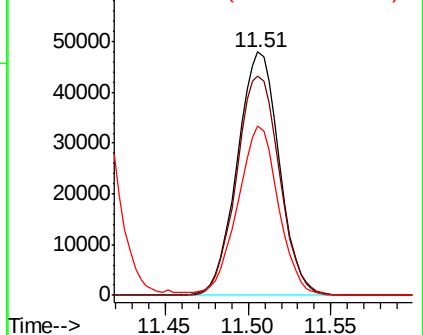
119 67.5 0.0 137.4



Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V



#66

Ethyl Benzene

Concen: 20.100 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN057473.D

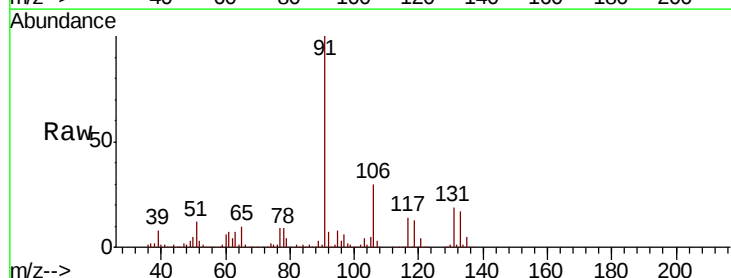
Acq: 23 Aug 2019 14:40

Tgt Ion: 91 Resp: 420873

Ion Ratio Lower Upper

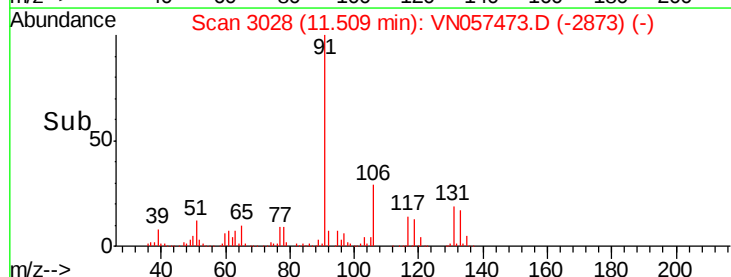
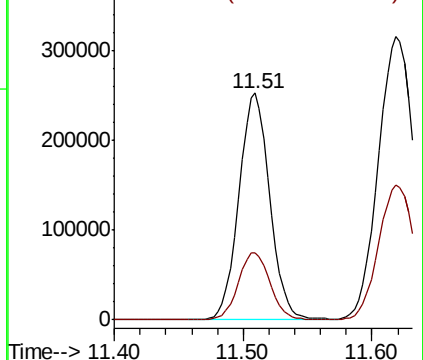
91 100

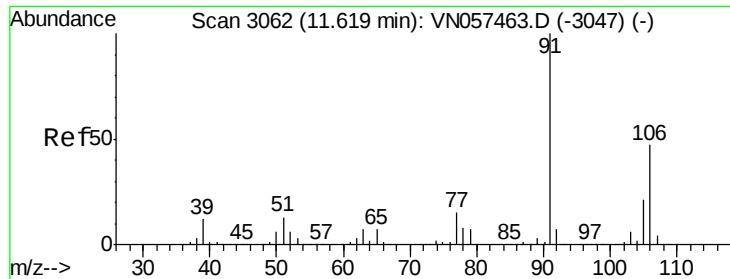
106 29.6 23.6 35.4



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V

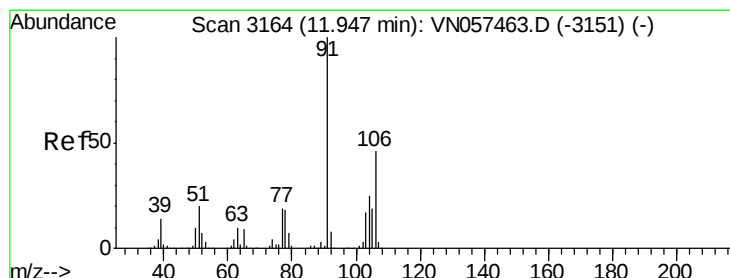
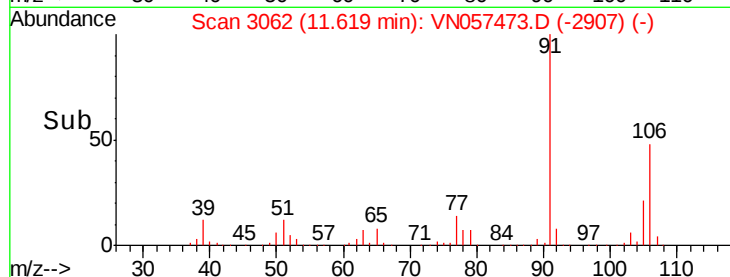
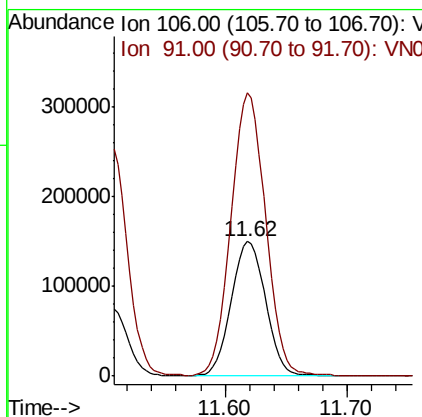
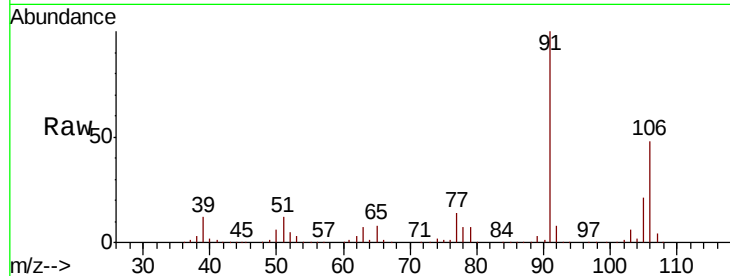




#67
m/p-Xylenes
Concen: 40.383 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN057473.D
Acq: 23 Aug 2019 14:40

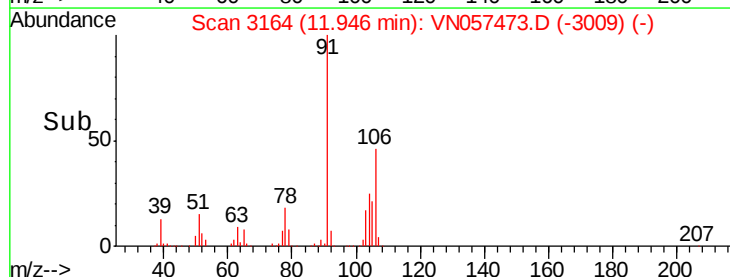
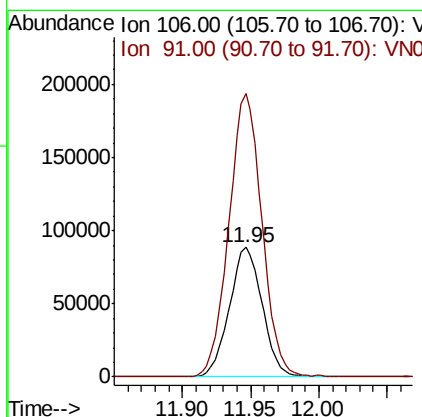
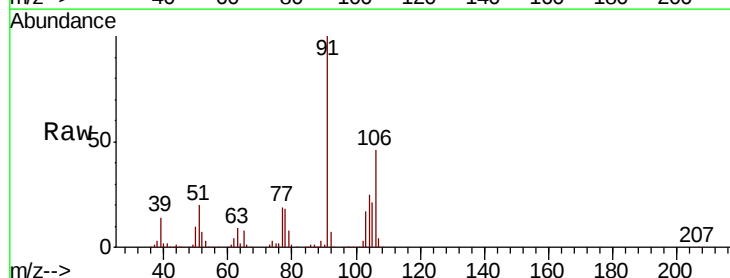
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

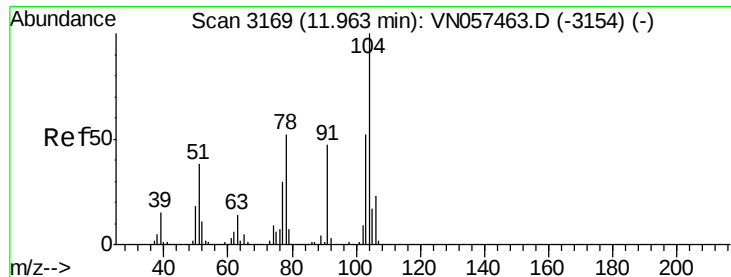
Tgt Ion:106 Resp: 293292
Ion Ratio Lower Upper
106 100
91 211.5 172.9 259.3



#68
o-Xylene
Concen: 20.592 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN057473.D
Acq: 23 Aug 2019 14:40

Tgt Ion:106 Resp: 147797
Ion Ratio Lower Upper
106 100
91 220.0 111.1 333.4

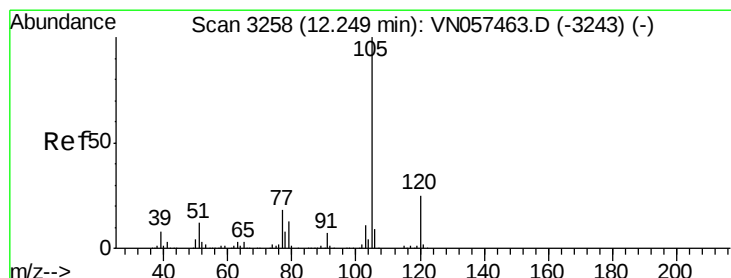
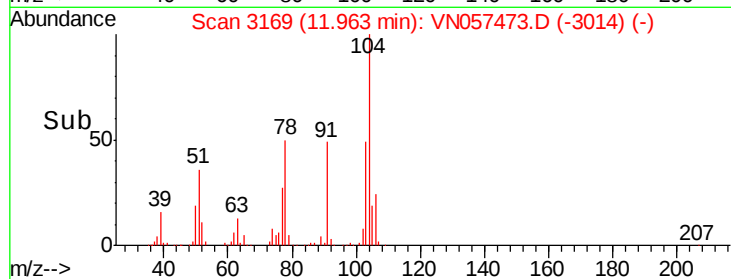
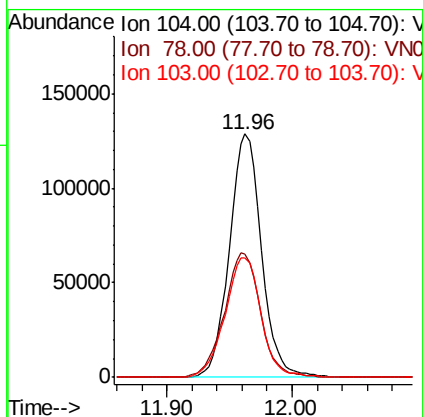
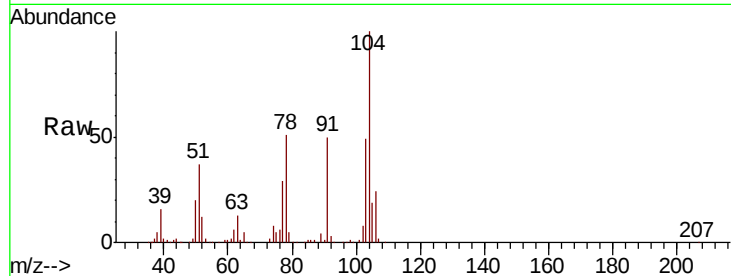




#69
 Styrene
 Concen: 19.965 ug/l
 RT: 11.96 min Scan# 3169
 Delta R.T. -0.00 min
 Lab File: VN057473.D
 Acq: 23 Aug 2019 14:40

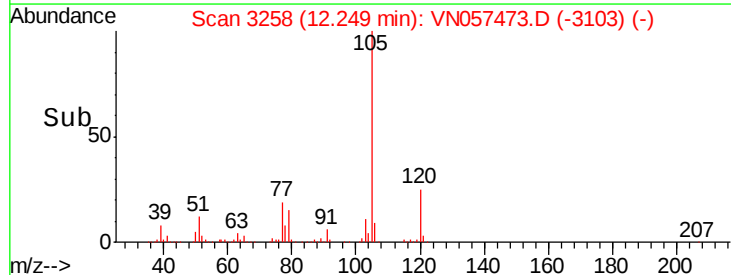
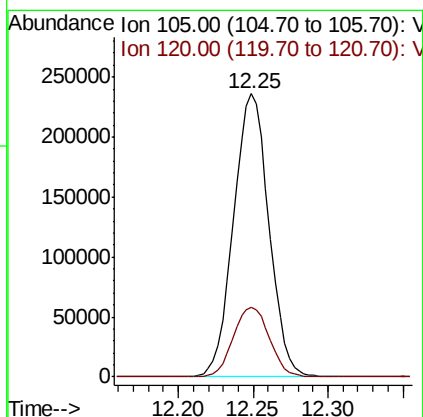
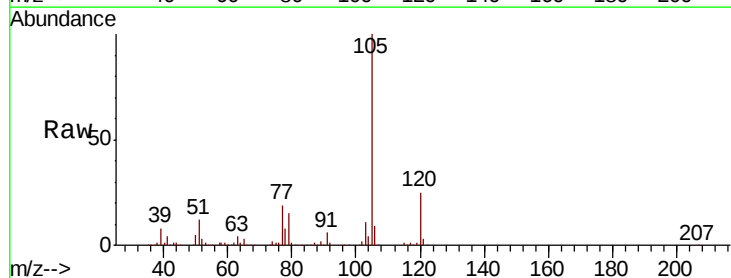
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

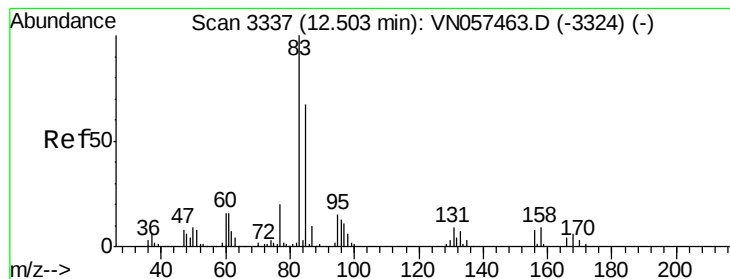
Tgt Ion	Ratio	Lower	Upper
104	100		
78	57.5	46.5	69.7
103	55.0	45.9	68.9



#70
 Isopropylbenzene
 Concen: 20.229 ug/l
 RT: 12.25 min Scan# 3258
 Delta R.T. -0.00 min
 Lab File: VN057473.D
 Acq: 23 Aug 2019 14:40

Tgt Ion	Ratio	Lower	Upper
105	100		
120	25.2	17.8	33.1





#71

1,1,2,2-Tetrachloroethane

Concen: 20.858 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN057473.D

Acq: 23 Aug 2019 14:40

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

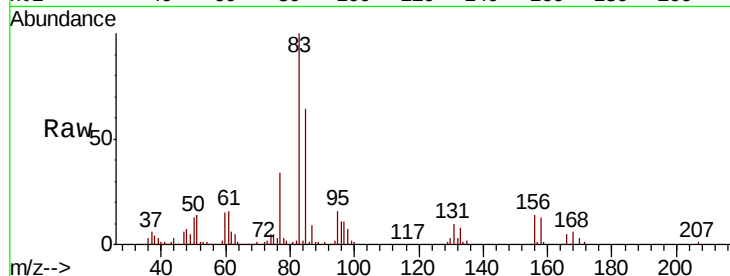
Tgt Ion: 83 Resp: 115815

Ion Ratio Lower Upper

83 100

131 9.3 4.7 14.1

85 63.9 33.1 99.2

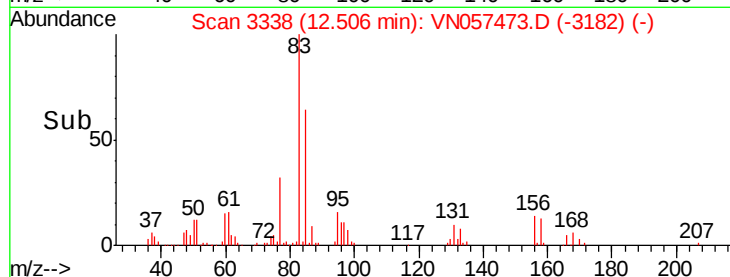


Abundance Ion 83.00 (82.70 to 83.70): VN057473.D (-3182) (-)

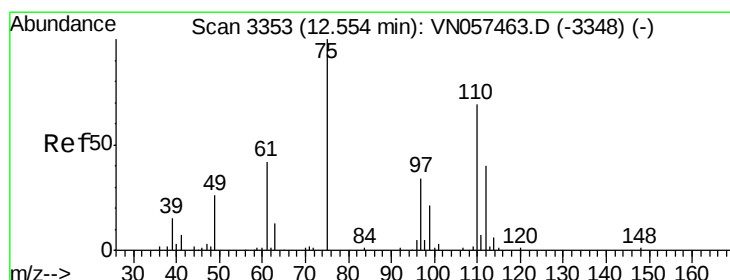
Ion 131.00 (130.70 to 131.70): VN057473.D (-3182) (-)

Ion 85.00 (84.70 to 85.70): VN057473.D (-3182) (-)

Time-->



Time-->



#72

1,2,3-Trichloropropane

Concen: 29.601 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

Lab File: VN057473.D

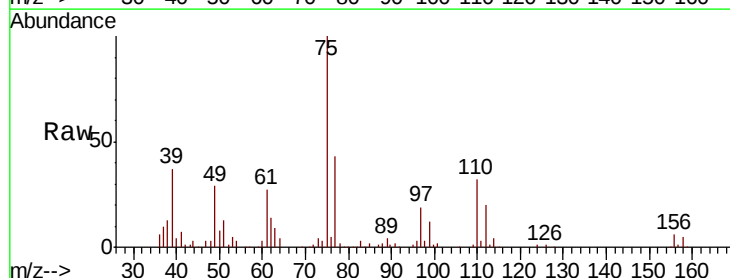
Acq: 23 Aug 2019 14:40

Tgt Ion: 75 Resp: 149201

Ion Ratio Lower Upper

75 100

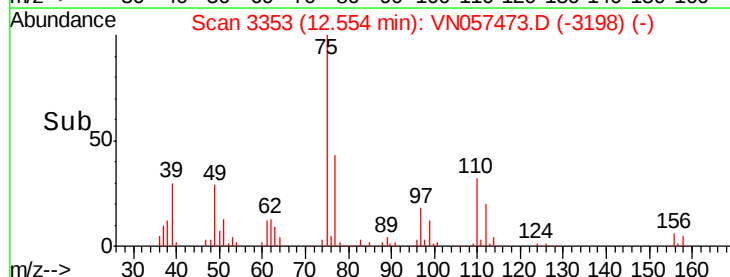
77 133.8 0.0 380.2



Abundance Ion 75.00 (74.70 to 75.70): VN057473.D (-3198) (-)

Ion 77.00 (76.70 to 77.70): VN057473.D (-3198) (-)

Time-->



Time-->

Time-->

Time-->

Time-->

Time-->

Time-->

Time-->

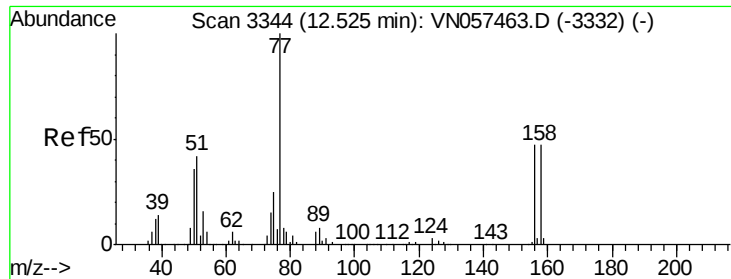
Time-->

Time-->

Time-->

Time-->

Time-->



#73

Bromobenzene

Concen: 20.327 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN057473.D

Acq: 23 Aug 2019 14:40

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

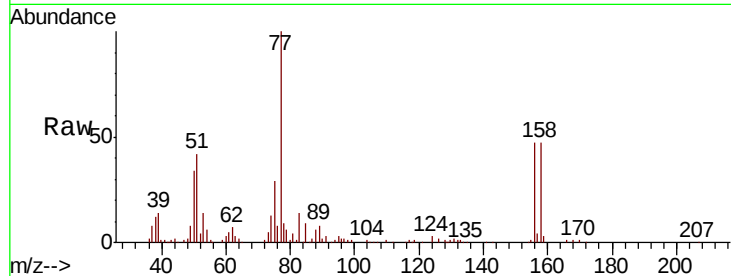
Tgt Ion:156 Resp: 78999

Ion Ratio Lower Upper

156 100

77 252.7 0.0 506.8

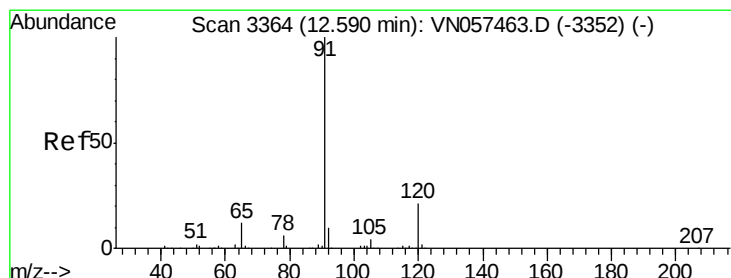
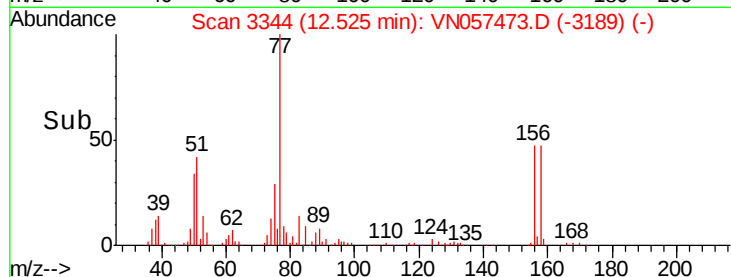
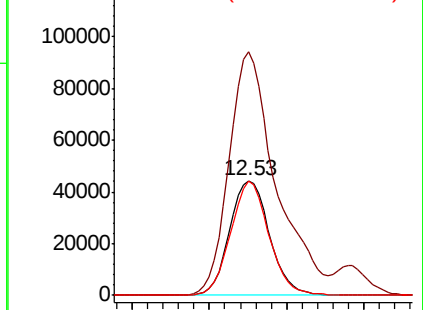
158 95.9 0.0 196.6



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VN

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 19.119 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN057473.D

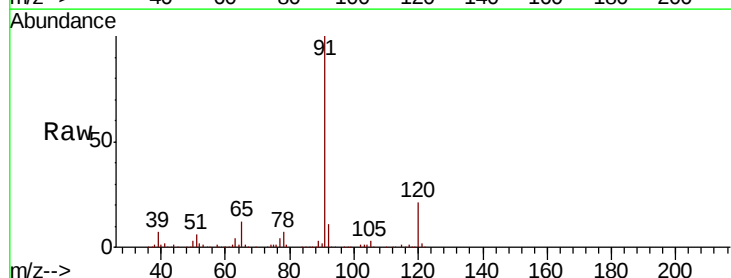
Acq: 23 Aug 2019 14:40

Tgt Ion: 91 Resp: 418587

Ion Ratio Lower Upper

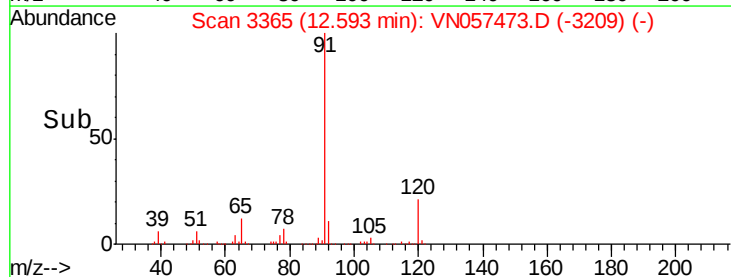
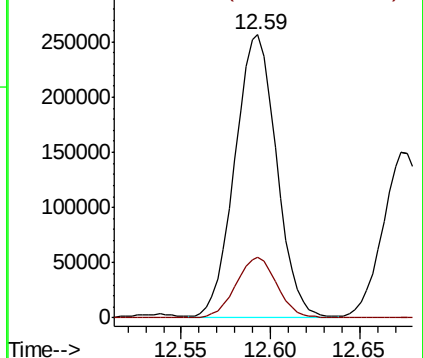
91 100

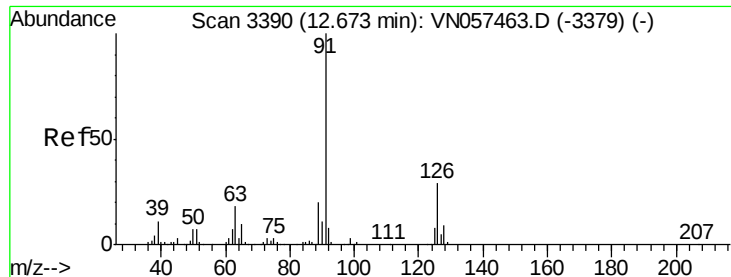
120 21.0 0.0 42.2



Abundance Ion 91.00 (90.70 to 91.70): VN

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 19.753 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN057473.D

Acq: 23 Aug 2019 14:40

Instrument :

MSVOA_N

ClientSampleId :

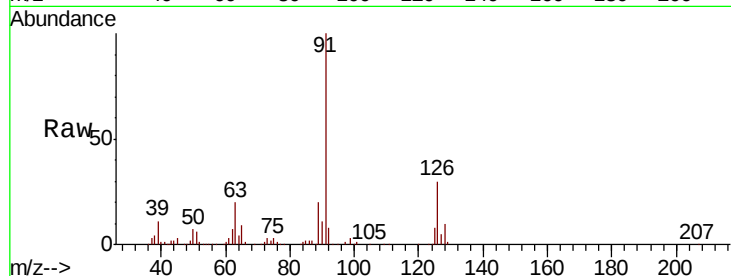
VSTDCCC020EC

Tgt Ion: 91 Resp: 254698

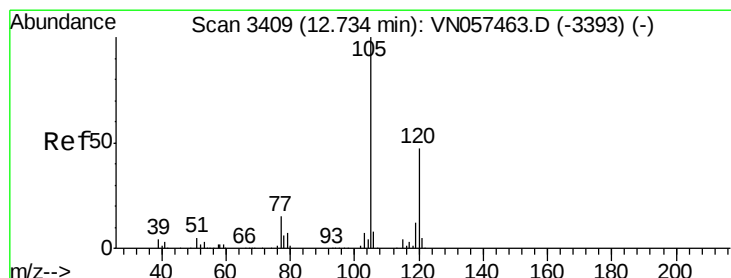
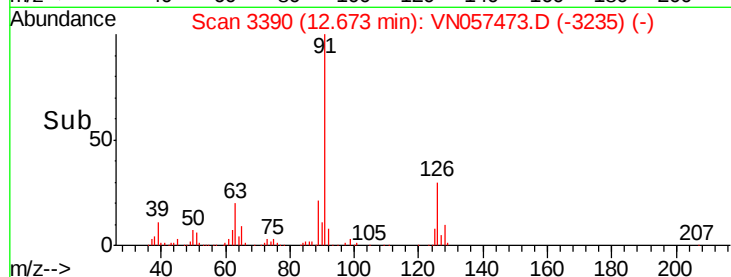
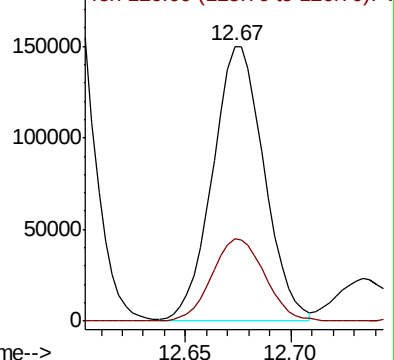
Ion Ratio Lower Upper

91 100

126 30.8 0.0 60.4



Abundance Ion 91.00 (90.70 to 91.70): VN057463.D (-3379) (-)



#76

1,3,5-Trimethylbenzene

Concen: 19.992 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. -0.00 min

Lab File: VN057473.D

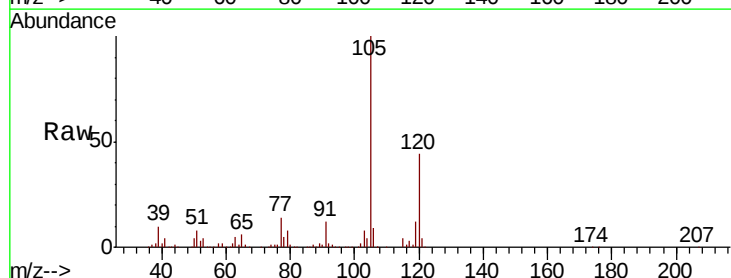
Acq: 23 Aug 2019 14:40

Tgt Ion: 105 Resp: 315030

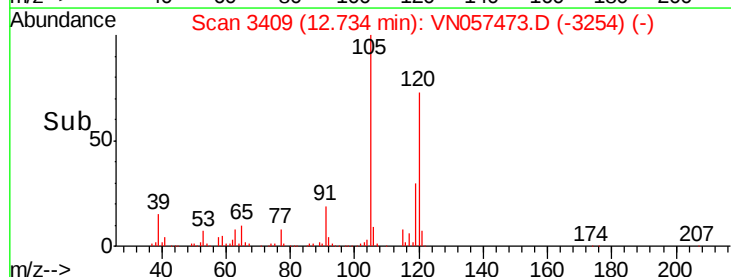
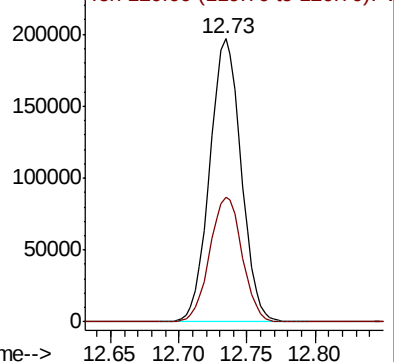
Ion Ratio Lower Upper

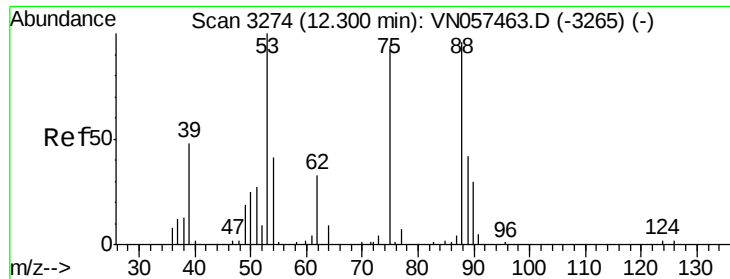
105 100

120 45.4 0.0 94.4



Abundance Ion 105.00 (104.70 to 105.70): VN057463.D (-3393) (-)

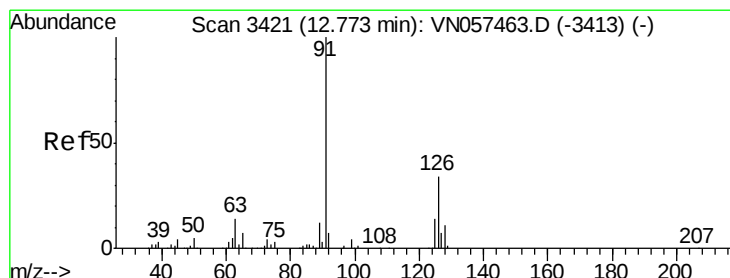
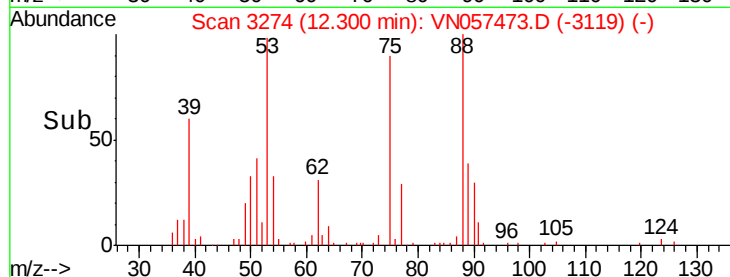
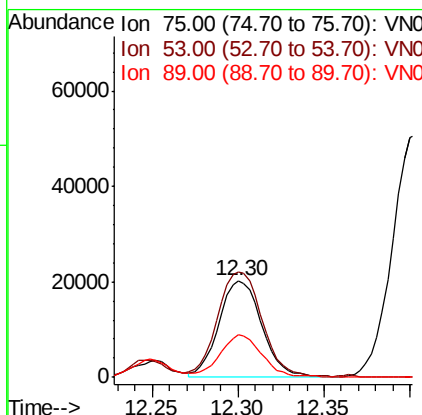
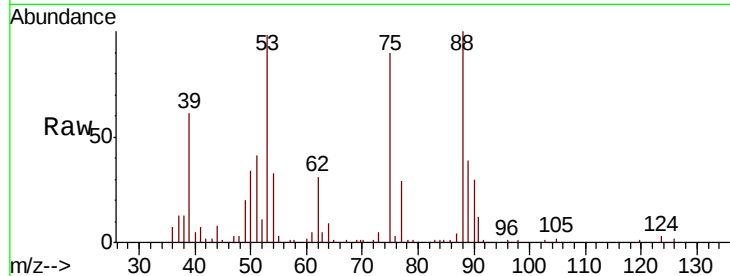




#77
t-1,4-Dichloro-2-butene
Concen: 19.588 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. -0.00 min
Lab File: VN057473.D
Acq: 23 Aug 2019 14:40

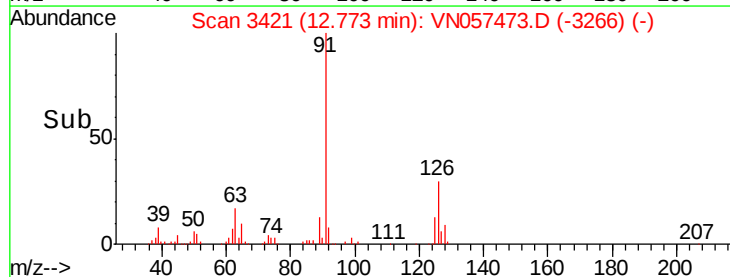
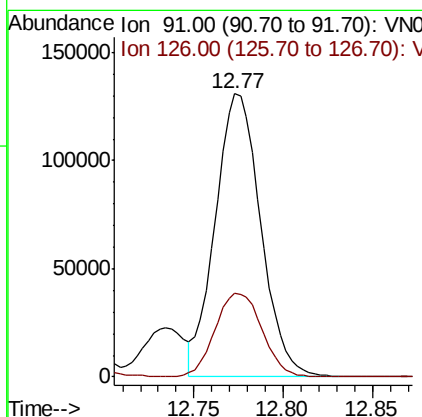
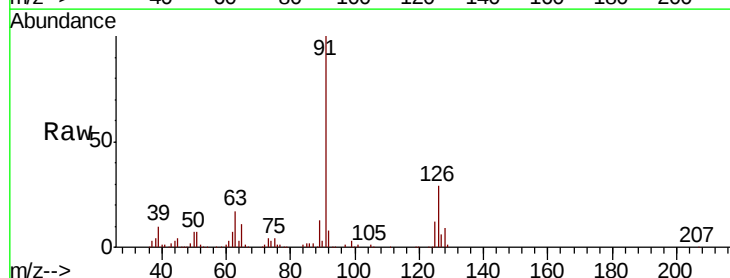
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

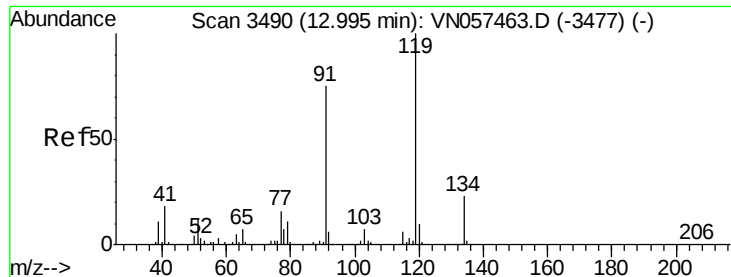
Tgt Ion: 75 Resp: 35405
Ion Ratio Lower Upper
75 100
53 108.0 55.6 166.9
89 43.8 23.8 71.4



#78
4-Chlorotoluene
Concen: 18.938 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN057473.D
Acq: 23 Aug 2019 14:40

Tgt Ion: 91 Resp: 230730
Ion Ratio Lower Upper
91 100
126 30.7 0.0 61.6

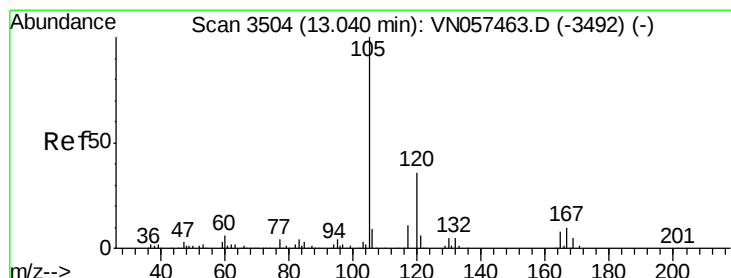
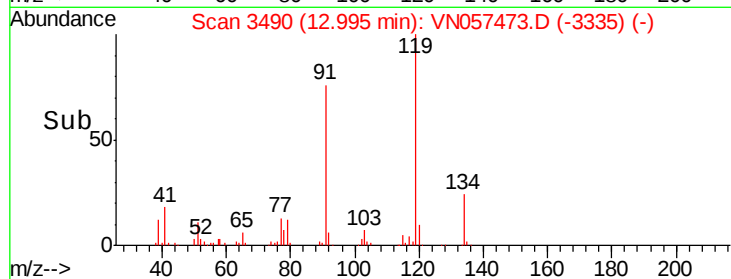
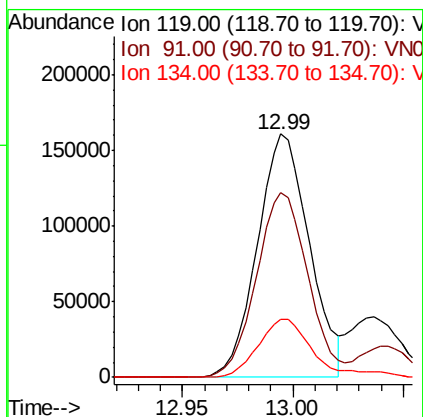
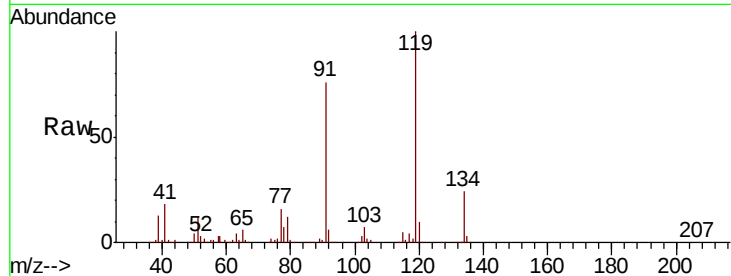




#79
tert-butylbenzene
Concen: 19.634 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. -0.00 min
Lab File: VN057473.D
Acq: 23 Aug 2019 14:40

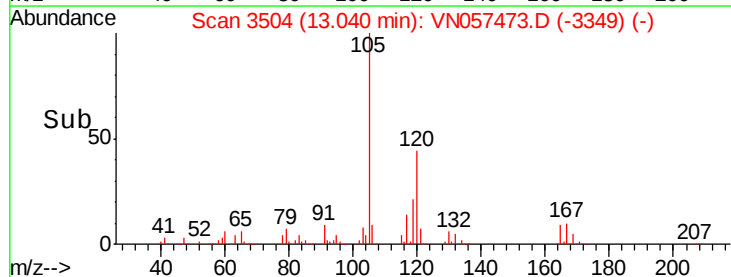
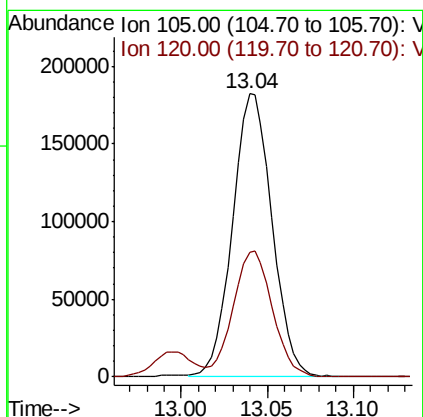
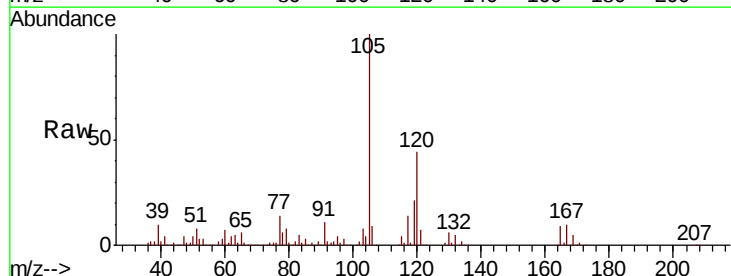
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

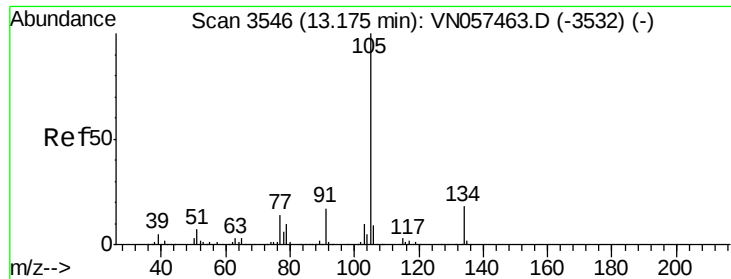
Tgt Ion:119 Resp: 263258
Ion Ratio Lower Upper
119 100
91 75.4 0.0 146.6
134 23.3 0.0 46.2



#80
1,2,4-Trimethylbenzene
Concen: 19.848 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. -0.00 min
Lab File: VN057473.D
Acq: 23 Aug 2019 14:40

Tgt Ion:105 Resp: 291572
Ion Ratio Lower Upper
105 100
120 44.2 0.0 85.4





#81

sec-Butylbenzene

Concen: 19.431 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. -0.00 min

Lab File: VN057473.D

Acq: 23 Aug 2019 14:40

Instrument :

MSVOA_N

ClientSampleId :

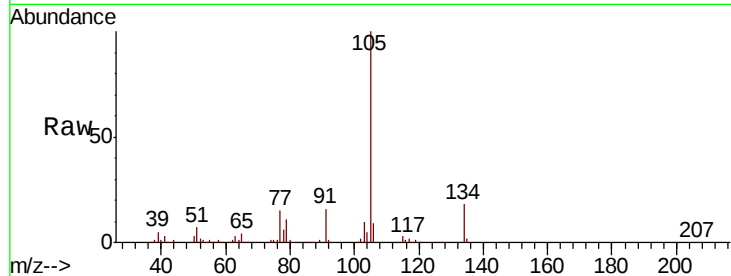
VSTDCCC020EC

Tgt Ion:105 Resp: 343323

Ion Ratio Lower Upper

105 100

134 18.6 0.0 36.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

200000

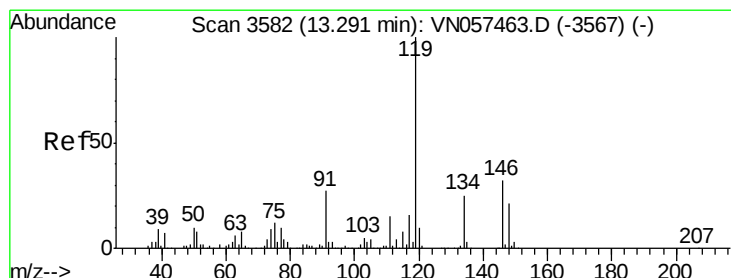
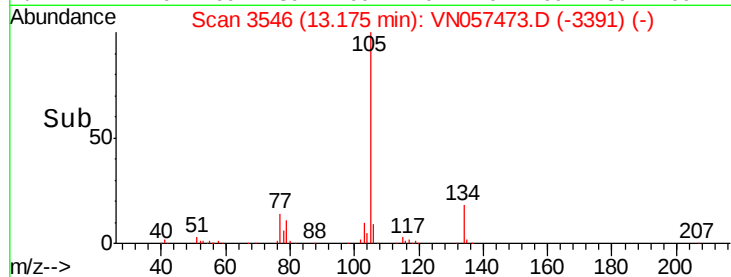
150000

100000

50000

0

Time-->



#82

p-Isopropyltoluene

Concen: 18.980 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. -0.00 min

Lab File: VN057473.D

Acq: 23 Aug 2019 14:40

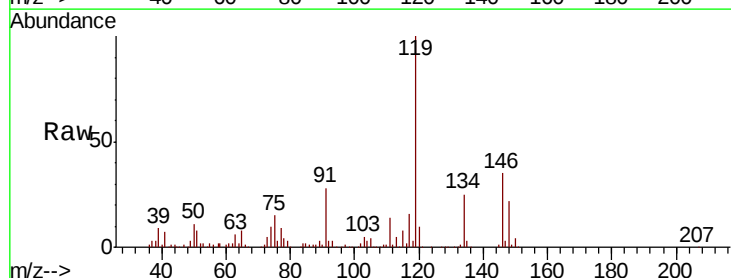
Tgt Ion:119 Resp: 281936

Ion Ratio Lower Upper

119 100

134 25.4 0.0 49.6

91 28.1 0.0 55.2



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.29

200000

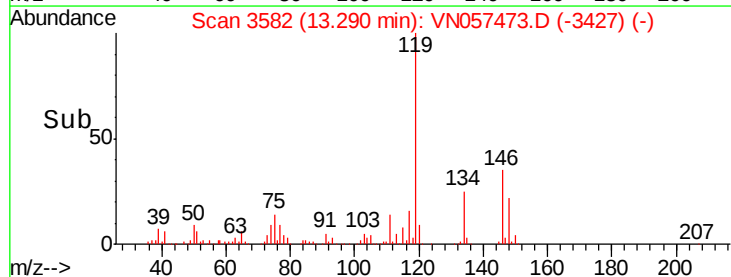
150000

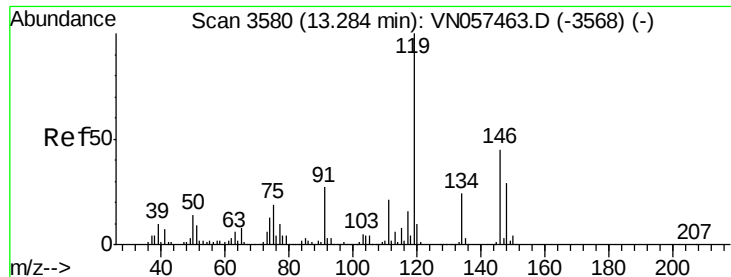
100000

50000

0

Time-->

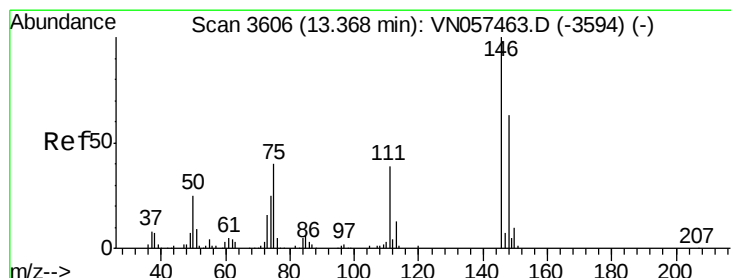
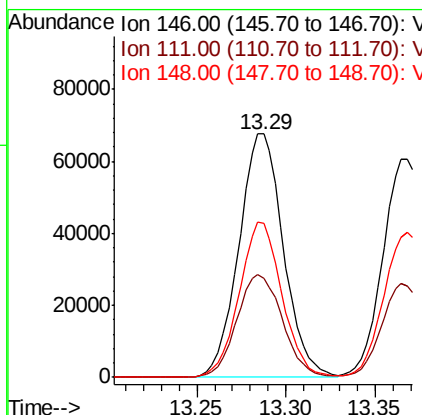
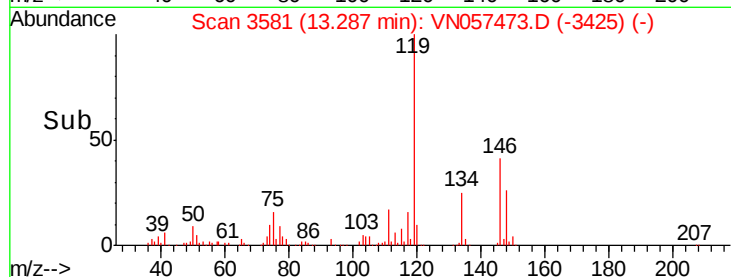
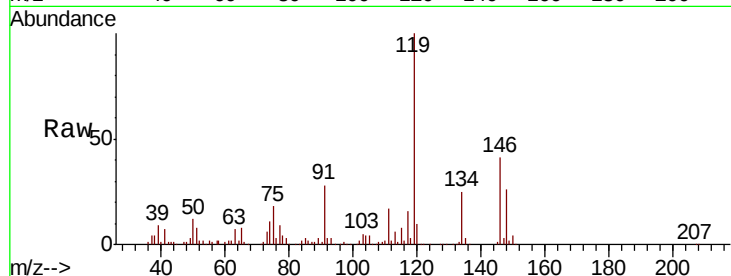




#83
 1,3-Dichlorobenzene
 Concen: 19.435 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN057473.D
 Acq: 23 Aug 2019 14:40

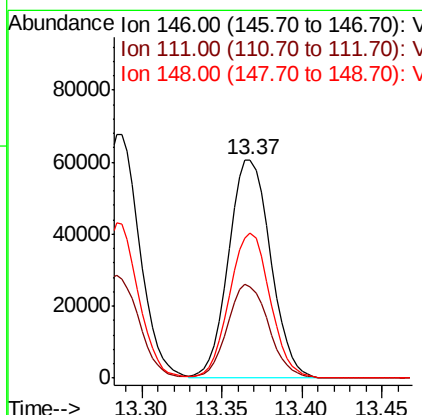
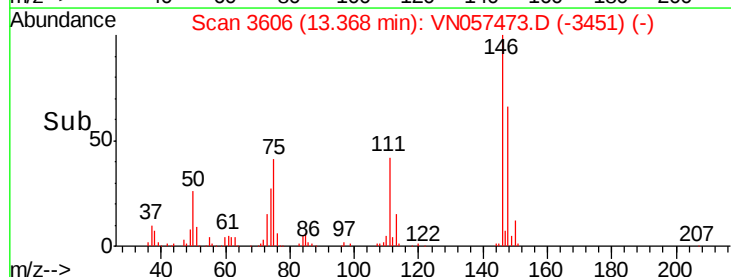
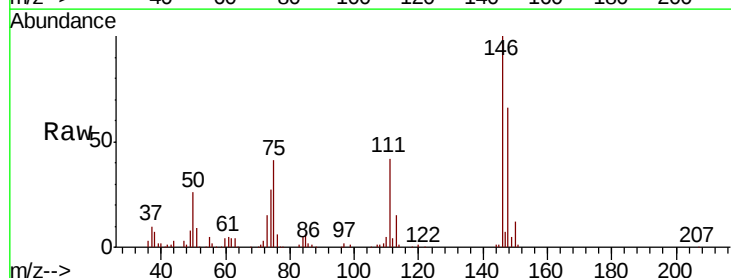
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

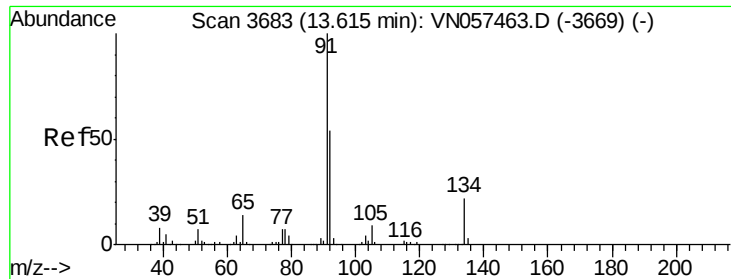
Tgt Ion:146 Resp: 117579
 Ion Ratio Lower Upper
 146 100
 111 43.2 22.4 67.0
 148 61.1 31.8 95.4



#84
 1,4-Dichlorobenzene
 Concen: 18.514 ug/l
 RT: 13.37 min Scan# 3606
 Delta R.T. -0.00 min
 Lab File: VN057473.D
 Acq: 23 Aug 2019 14:40

Tgt Ion:146 Resp: 108965
 Ion Ratio Lower Upper
 146 100
 111 41.6 20.5 61.5
 148 64.3 31.9 95.7

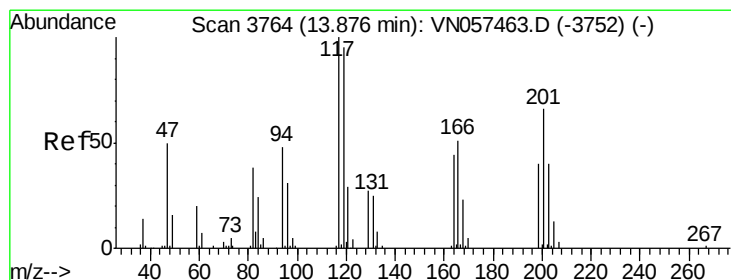
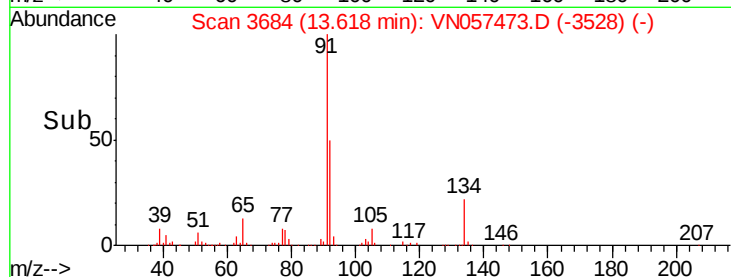
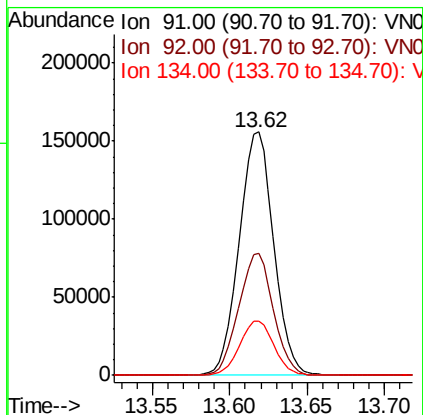
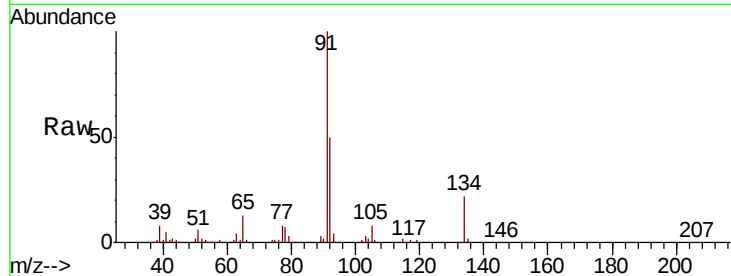




#85
n-Butylbenzene
Concen: 18.703 ug/l
RT: 13.62 min Scan# 3684
Delta R.T. 0.00 min
Lab File: VN057473.D
Acq: 23 Aug 2019 14:40

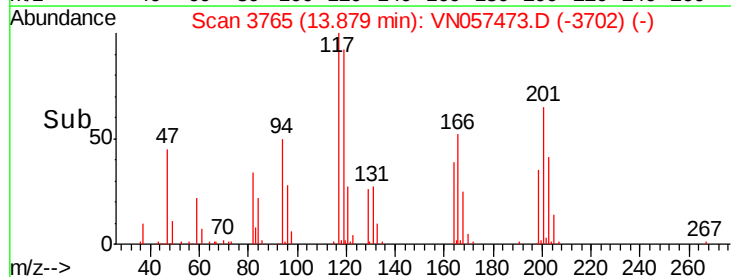
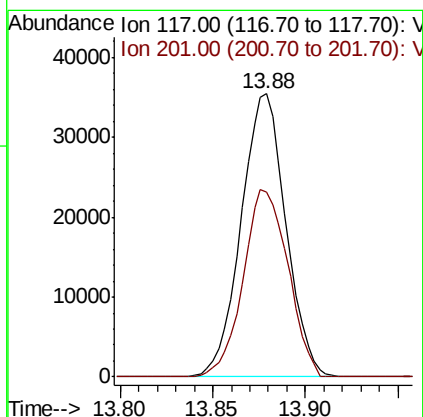
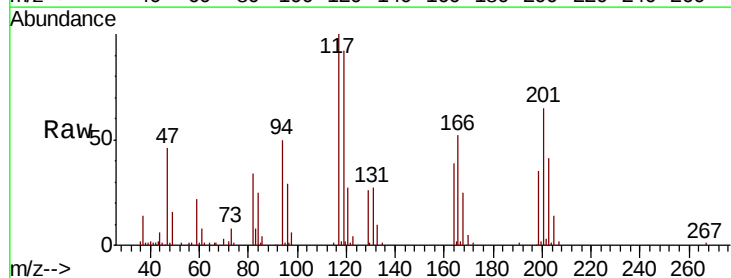
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

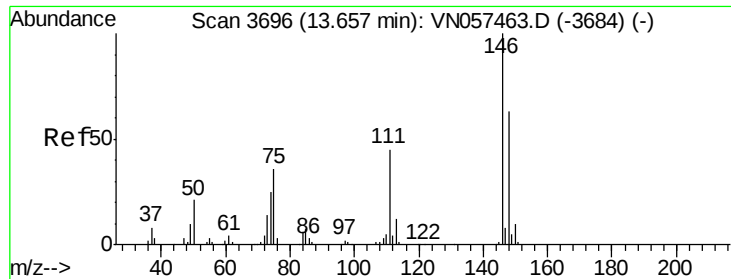
Tgt Ion: 91 Resp: 242206
Ion Ratio Lower Upper
91 100
92 50.1 0.0 105.6
134 22.2 0.0 46.0



#86
Hexachloroethane
Concen: 19.770 ug/l
RT: 13.88 min Scan# 3765
Delta R.T. 0.00 min
Lab File: VN057473.D
Acq: 23 Aug 2019 14:40

Tgt Ion: 117 Resp: 59256
Ion Ratio Lower Upper
117 100
201 66.4 34.0 101.8

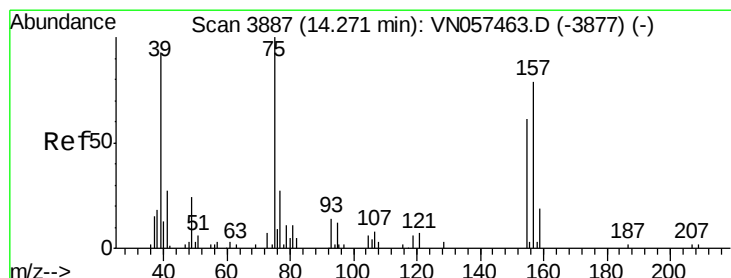
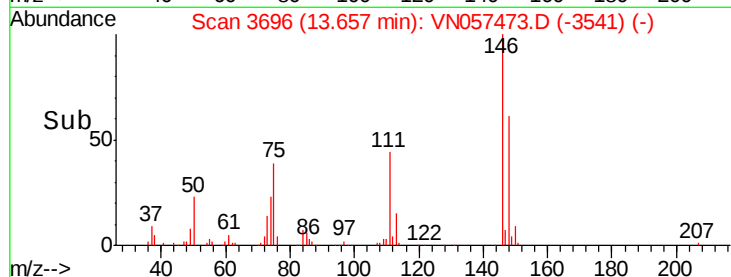
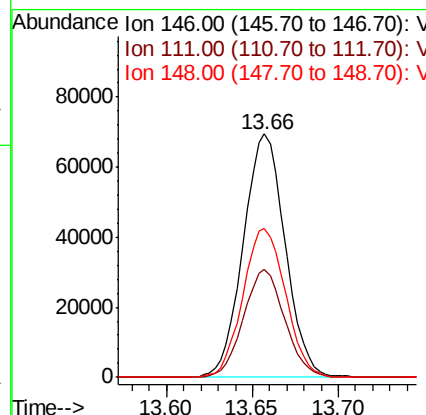
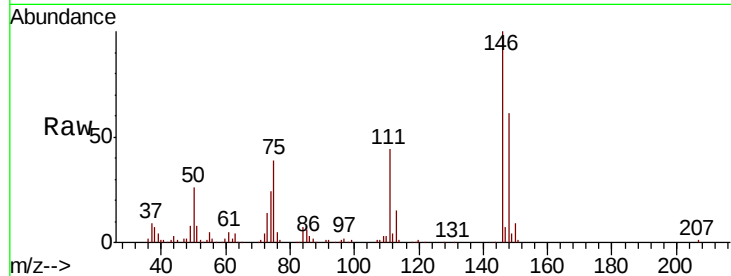




#87
 1,2-Dichlorobenzene
 Concen: 19.767 ug/l
 RT: 13.66 min Scan# 3696
 Delta R.T. -0.00 min
 Lab File: VN057473.D
 Acq: 23 Aug 2019 14:40

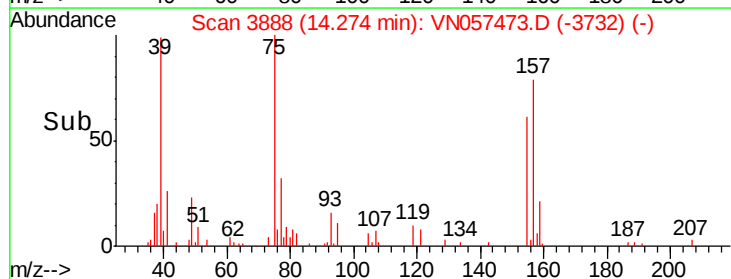
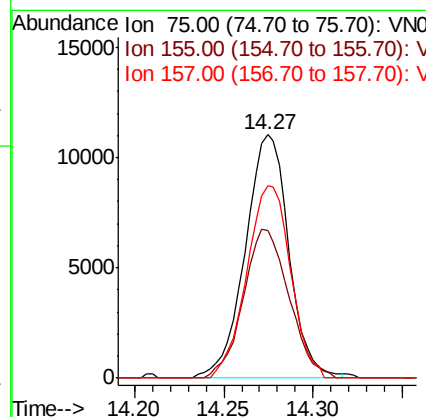
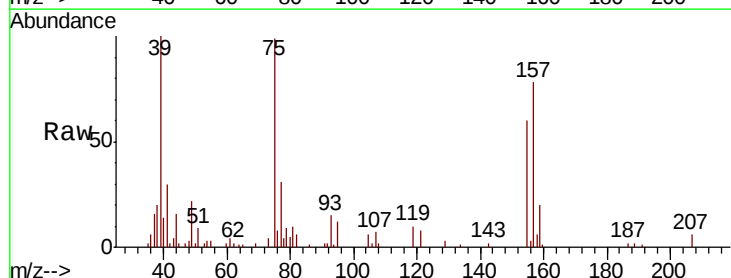
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

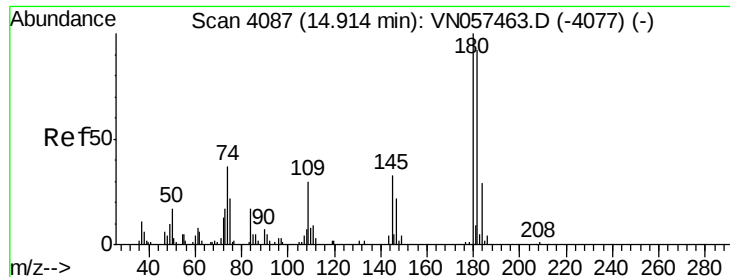
Tgt Ion: 146 Resp: 117447
 Ion Ratio Lower Upper
 146 100
 111 43.7 22.5 67.5
 148 62.3 30.9 92.7



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 20.204 ug/l
 RT: 14.27 min Scan# 3888
 Delta R.T. 0.00 min
 Lab File: VN057473.D
 Acq: 23 Aug 2019 14:40

Tgt Ion: 75 Resp: 18826
 Ion Ratio Lower Upper
 75 100
 155 63.8 53.7 80.5
 157 79.5 63.5 95.3

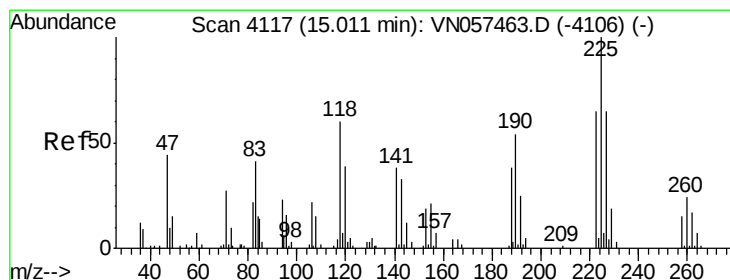
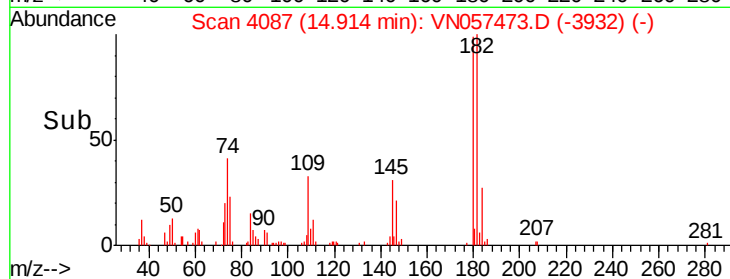
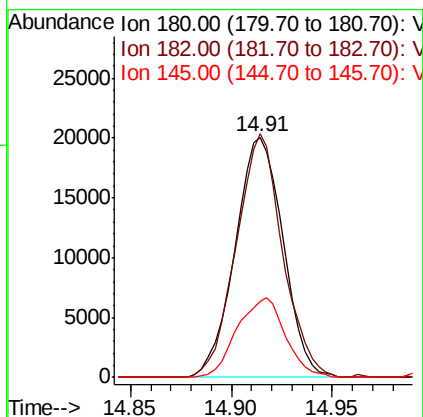
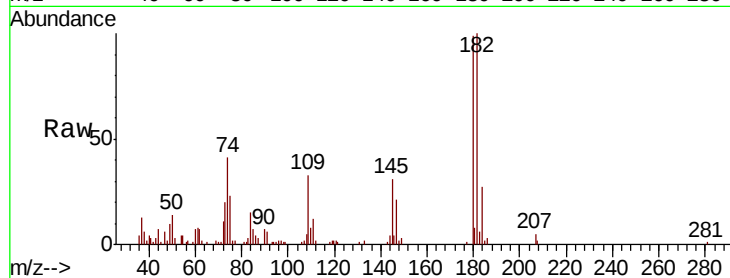




#89
1,2,4-Trichlorobenzene
Concen: 15.017 ug/l
RT: 14.91 min Scan# 4087
Delta R.T. -0.00 min
Lab File: VN057473.D
Acq: 23 Aug 2019 14:40

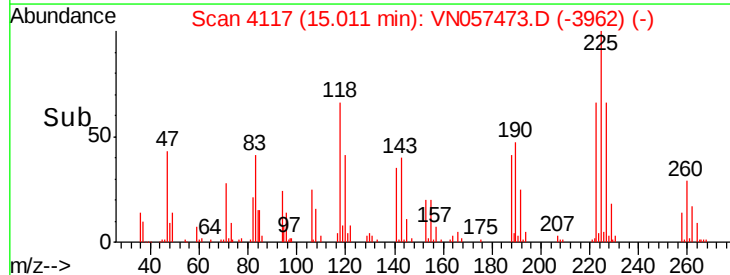
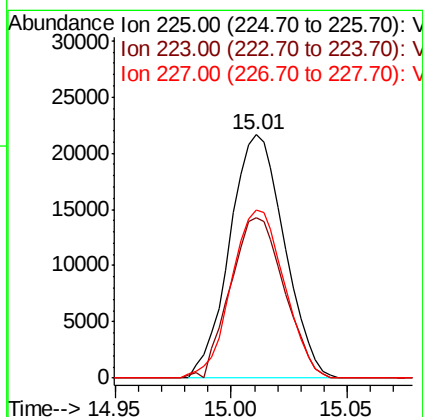
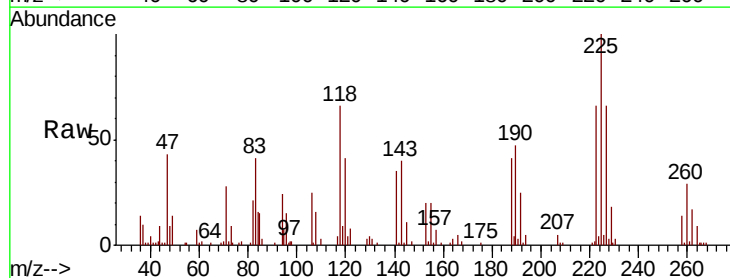
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

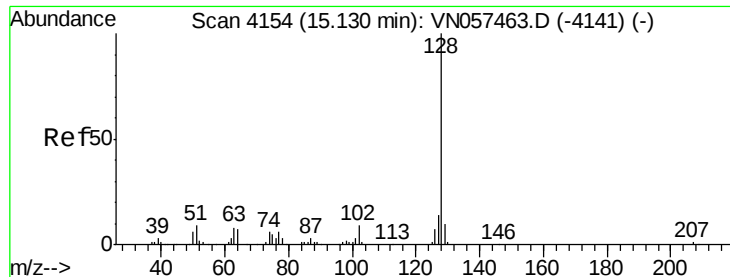
Tgt Ion:180 Resp: 33432
Ion Ratio Lower Upper
180 100
182 97.8 75.4 113.2
145 33.3 26.9 40.3



#90
Hexachlorobutadiene
Concen: 20.664 ug/l
RT: 15.01 min Scan# 4117
Delta R.T. -0.00 min
Lab File: VN057473.D
Acq: 23 Aug 2019 14:40

Tgt Ion:225 Resp: 35369
Ion Ratio Lower Upper
225 100
223 64.7 0.0 123.6
227 67.1 0.0 126.6





#91

Naphthalene

Concen: 19.909 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN057473.D

Acq: 23 Aug 2019 14:40

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

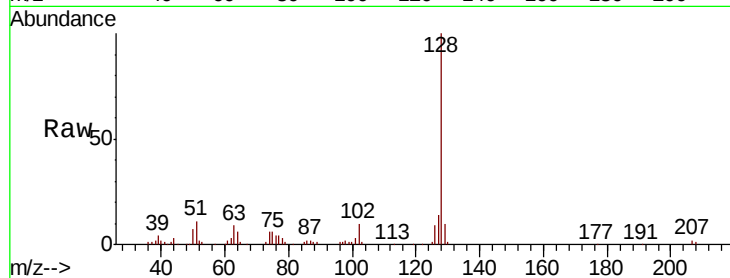
Tgt Ion:128 Resp: 109128

Ion Ratio Lower Upper

128 100

127 13.5 10.1 15.1

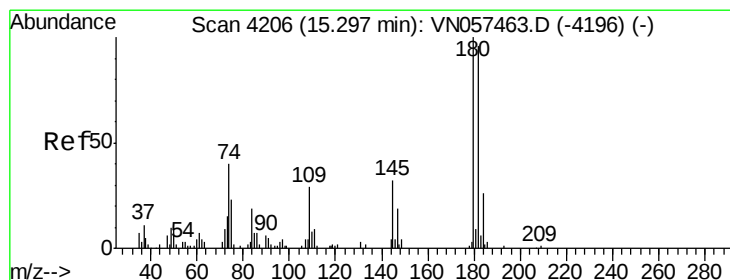
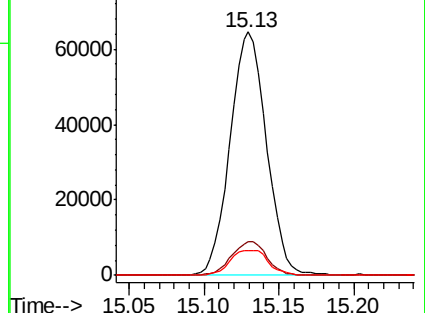
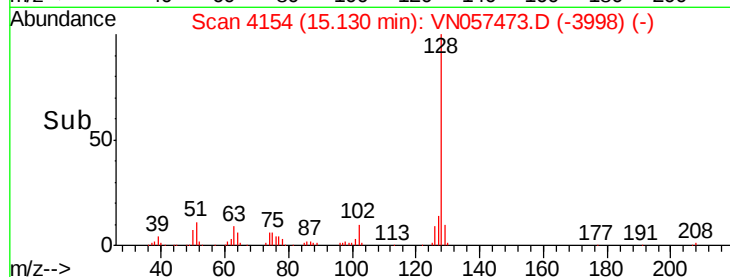
129 10.9 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#92

1,2,3-Trichlorobenzene

Concen: 16.657 ug/l

RT: 15.30 min Scan# 4207

Delta R.T. 0.00 min

Lab File: VN057473.D

Acq: 23 Aug 2019 14:40

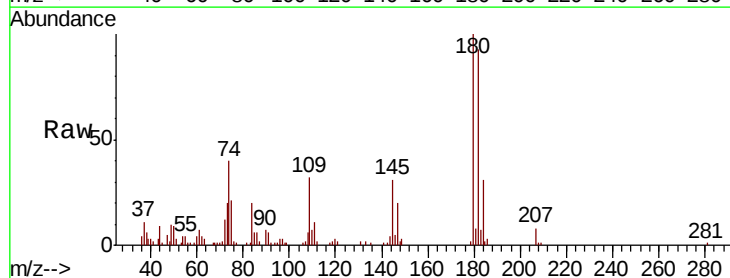
Tgt Ion:180 Resp: 37084

Ion Ratio Lower Upper

180 100

182 91.9 0.0 187.0

145 30.7 0.0 64.4



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

