

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061219\
 Data File : VN056235.D
 Acq On : 12 Jun 2019 8:56
 Operator : JC/SP
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Quant Time: Jun 13 04:26:09 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N060619W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Jun 06 04:02:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.19	128	49308	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.58	114	246385	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	223039	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.02	65	89886	29.36	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	97.87%
60) 4-Bromofluorobenzene	12.40	95	96057	29.06	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	96.87%
63) Toluene-d8	10.09	98	306781	30.32	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.07%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	60736	21.900	ug/l 99
3) Chloromethane	2.06	50	65987	20.365	ug/l 97
4) Vinyl Chloride	2.18	62	65668	19.877	ug/l 98
5) Bromomethane	2.54	94	43412	20.909	ug/l 96
6) Chloroethane	2.69	64	36792	19.689	ug/l 94
7) Trichlorofluoromethane	3.01	101	86426	21.144	ug/l 97
8) Diethyl Ether	3.40	74	32168	18.556	ug/l 98
9) 1,1,2-Trichlorotrifluoroet	3.74	101	55225	21.887	ug/l 98
10) 1,1-Dichloroethene	3.72	96	51505	20.011	ug/l 97
11) Methyl Iodide	3.94	142	76080	18.735	ug/l 99
12) Methyl Acetate	4.33	43	56786	18.360	ug/l 100
13) Acrolein	3.59	56	13437	89.133	ug/l 98
14) Acrylonitrile	4.99	53	128472	93.143	ug/l 99
15) Acetone	3.82	58	55937	123.857	ug/l 99
16) Carbon Disulfide	4.04	76	130419	21.296	ug/l 98
17) Allyl chloride	4.31	41	78698	19.734	ug/l 97
18) Methylene Chloride	4.54	84	58766	19.722	ug/l 97
19) trans-1,2-Dichloroethene	5.03	96	54767	19.934	ug/l 99
20) Diisopropyl ether	5.95	45	160657	19.444	ug/l 98
21) 1,1-Dichloroethane	5.84	63	96103	20.014	ug/l 99
22) cis-1,2-Dichloroethene	6.82	96	62944	19.629	ug/l 98
23) tert-Butyl Alcohol	4.81	59	41806	77.869	ug/l # 100
24) Methyl tert-Butyl Ether	5.04	73	153082	18.662	ug/l 99
25) Chloroform	7.37	83	99608	20.774	ug/l 99
26) Cyclohexane	7.65	56	88140	19.785	ug/l # 100
29) 1,1-Dichloropropene	7.79	75	73764	22.133	ug/l 99
30) 2-Butanone	6.84	43	191888	109.367	ug/l 99
31) 2,2-Dichloropropane	6.82	77	67395	21.737	ug/l 99
32) 1,1,1-Trichloroethane	7.57	97	81970	22.261	ug/l 99
33) Carbon Tetrachloride	7.77	117	72233	23.154	ug/l 99
34) Benzene	8.04	78	227151	21.391	ug/l 99
35) Methacrylonitrile	7.17	41	30329	20.471	ug/l 97
36) 1,2-Dichloroethane	8.12	62	72958	21.934	ug/l 97
37) Trichloroethene	8.83	130	64169	21.595	ug/l 100
38) Methylcyclohexane	9.08	83	91077	21.556	ug/l 100
39) 1,2-Dichloropropane	9.12	63	59068	21.719	ug/l 93
40) Dibromomethane	9.21	93	40105	22.240	ug/l 100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	74377	23.034	ug/l	100
42) Vinyl Acetate	5.89	43	642064	102.645	ug/l	99
43) Ethyl Acetate	6.93	43	67371	20.063	ug/l	97
44) Isopropyl Acetate	8.17	43	99731	19.129	ug/l	98
45) 1,4-Dioxane	9.20	88	20897	374.682	ug/l	94
46) Methyl methacrylate	9.20	41	50850	19.633	ug/l	98
47) n-amyl Acetate	12.07	43	80000	18.554	ug/l	95
48) t-1,3-Dichloropropene	10.38	75	68171	20.061	ug/l	97
49) cis-1,3-Dichloropropene	9.84	75	82849	20.821	ug/l	98
50) 1,1,2-Trichloroethane	10.56	97	57659	21.528	ug/l	99
51) Ethyl methacrylate	10.43	69	77716	19.179	ug/l	100
52) 1,3-Dichloropropane	10.71	76	92269	21.250	ug/l	99
53) Dibromochloromethane	10.90	129	61424	23.428	ug/l	97
54) 1,2-Dibromoethane	11.00	107	57631	20.620	ug/l	99
55) 2-Chloroethyl vinyl ether	9.69	63	122732	86.473	ug/l	100
56) Bromoform	12.12	173	43618	22.996	ug/l #	96
58) 4-Methyl-2-Pentanone	9.98	43	332119	98.337	ug/l	97
59) 2-Hexanone	10.75	43	244885	101.445	ug/l	98
61) Tetrachloroethene	10.63	164	68751	22.117	ug/l	96
62) Toluene	10.15	91	246520	20.474	ug/l	98
64) Chlorobenzene	11.43	112	150838	20.653	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.51	131	57221	21.728	ug/l	99
66) Ethyl Benzene	11.51	91	263460	20.544	ug/l	98
67) m/p-Xylenes	11.62	106	204604	41.682	ug/l	99
68) o-Xylene	11.95	106	98328	20.461	ug/l	98
69) Styrene	11.96	104	158303	20.275	ug/l	99
70) Isopropylbenzene	12.25	105	263997	21.026	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.50	83	77552	20.487	ug/l	98
72) 1,2,3-Trichloropropane	12.55	75	86759	26.475	ug/l	74
73) Bromobenzene	12.52	156	69953	20.990	ug/l	97
74) n-propylbenzene	12.59	91	275149	20.766	ug/l	99
75) 2-Chlorotoluene	12.67	91	171134	20.823	ug/l	100
76) 1,3,5-Trimethylbenzene	12.73	105	217888	21.097	ug/l	100
77) t-1,4-Dichloro-2-butene	12.30	75	16757	17.921	ug/l	93
78) 4-Chlorotoluene	12.77	91	154979	20.192	ug/l	99
79) tert-butylbenzene	12.99	119	192318	21.018	ug/l	100
80) 1,2,4-Trimethylbenzene	13.04	105	209701	20.872	ug/l	100
81) sec-Butylbenzene	13.17	105	246187	21.268	ug/l	100
82) p-Isopropyltoluene	13.29	119	217265	20.760	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	106964	20.595	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	97608	19.730	ug/l	99
85) n-Butylbenzene	13.61	91	145519	18.631	ug/l	99
86) Hexachloroethane	13.87	117	36993	22.674	ug/l	94
87) 1,2-Dichlorobenzene	13.65	146	107879	20.435	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	14.27	75	10892	18.330	ug/l	98
89) 1,2,4-Trichlorobenzene	14.91	180	39747	19.289	ug/l	98
90) Hexachlorobutadiene	15.01	225	46581	24.170	ug/l	100
91) Naphthalene	15.13	128	95951	13.685	ug/l	99
92) 1,2,3-Trichlorobenzene	15.31	180	46435	16.803	ug/l	98

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QLast Update : Thu Jun 06 04:02:53 2019
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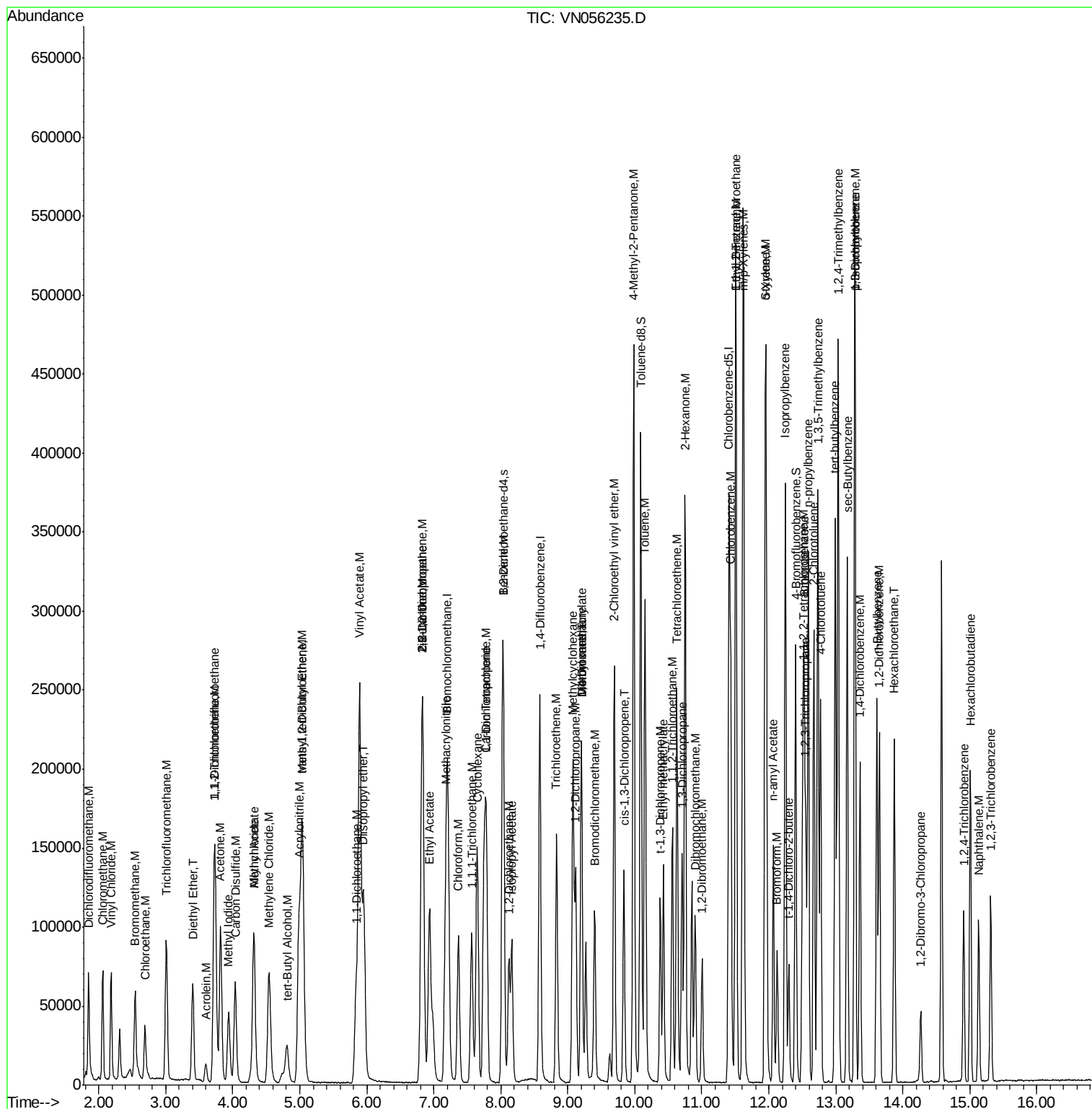
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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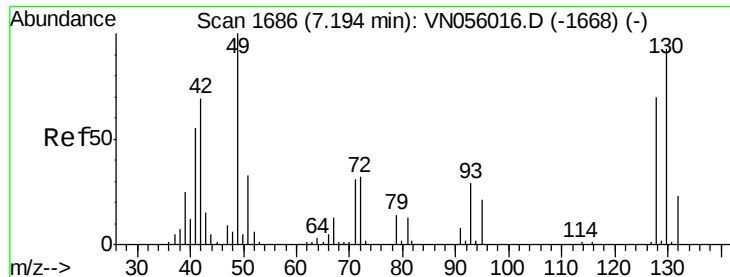
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jun 13 04:26:09 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N060619W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu Jun 06 04:02:53 2019
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.19 min Scan# 1685

Delta R.T. -0.00 min

Lab File: VN056235.D

Acq: 12 Jun 2019 8:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

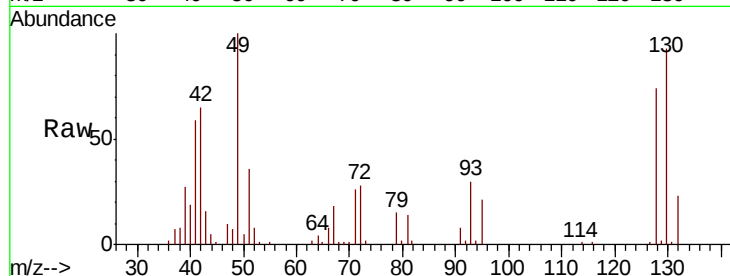
Tot Ion:128 Resp: 49308

Ion Ratio Lower Upper

128 100

49 138.4 0.0 355.8

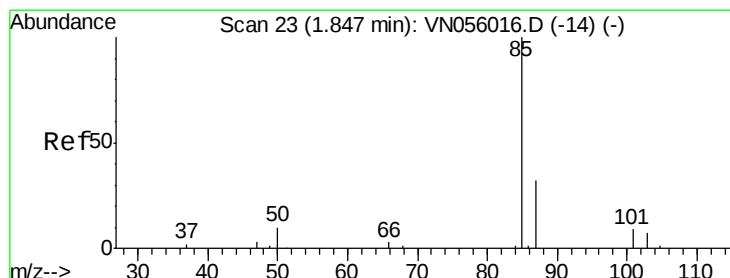
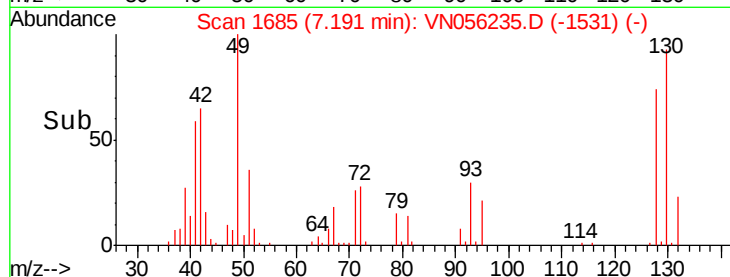
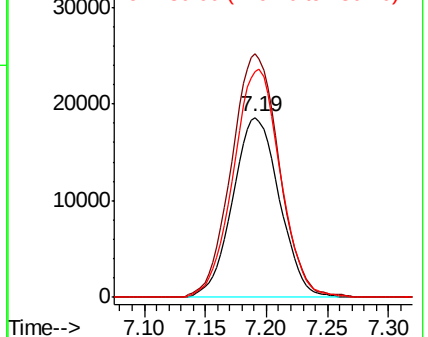
130 127.9 0.0 326.3



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: 21.900 ug/l

RT: 1.85 min Scan# 23

Delta R.T. -0.00 min

Lab File: VN056235.D

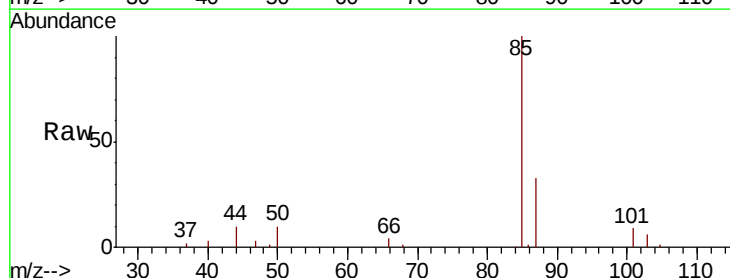
Acq: 12 Jun 2019 8:56

Tgt Ion: 85 Resp: 60736

Ion Ratio Lower Upper

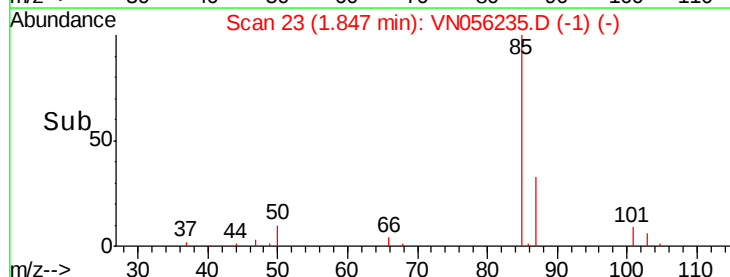
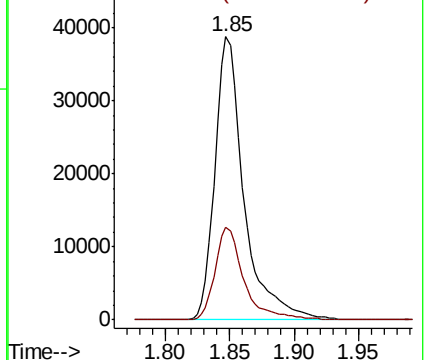
85 100

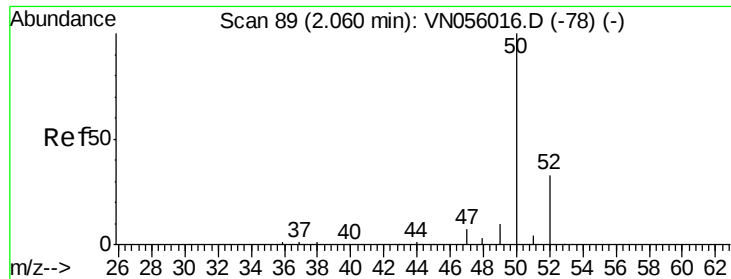
87 32.6 15.9 47.7



Abundance Ion 85.00 (84.70 to 85.70): VN

Ion 87.00 (86.70 to 87.70): VN





#3

Chloromethane

Concen: 20.365 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN056235.D

Acq: 12 Jun 2019 8:56

Instrument :

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ClientSampleId :

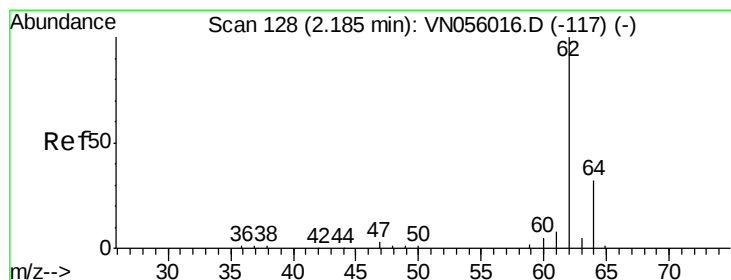
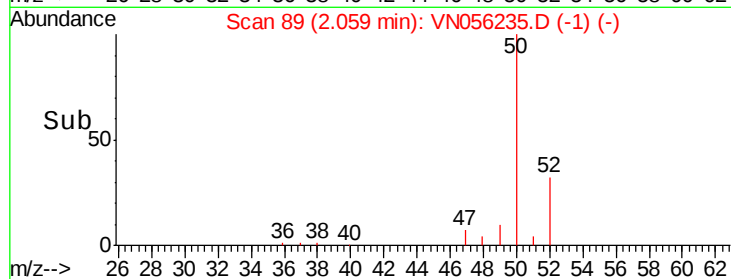
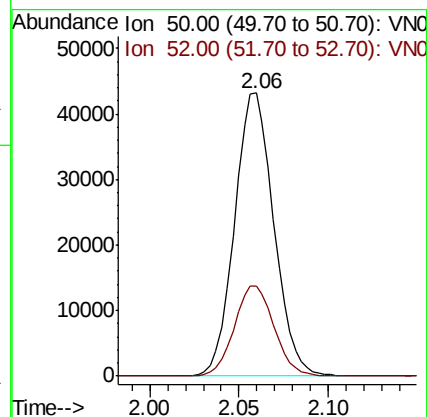
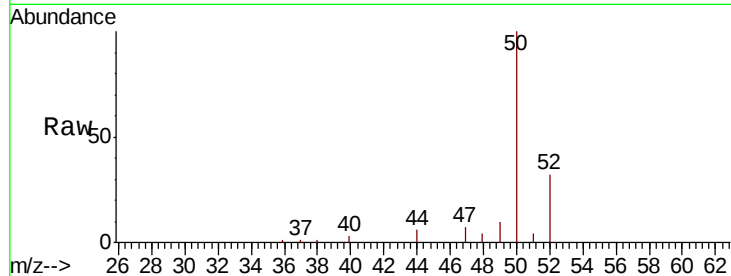
VSTDCCC020

Tot Ion: 50 Resp: 65987

Ion Ratio Lower Upper

50 100

52 31.9 26.7 40.1



#4

Vinyl Chloride

Concen: 19.877 ug/l

RT: 2.18 min Scan# 128

Delta R.T. -0.00 min

Lab File: VN056235.D

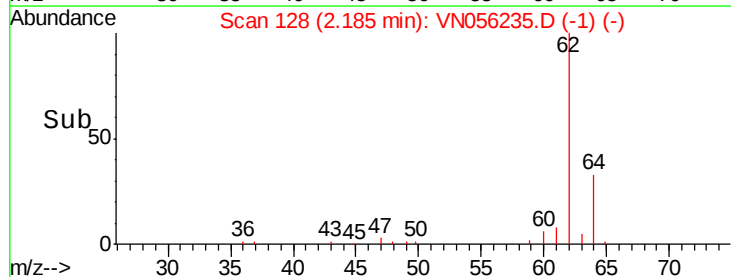
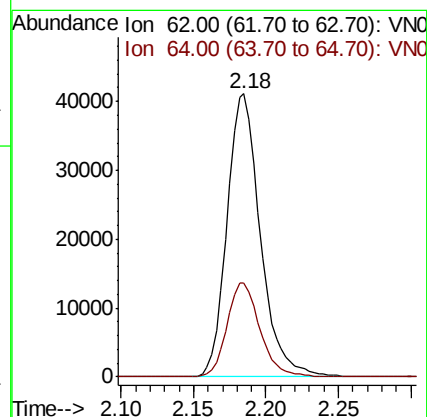
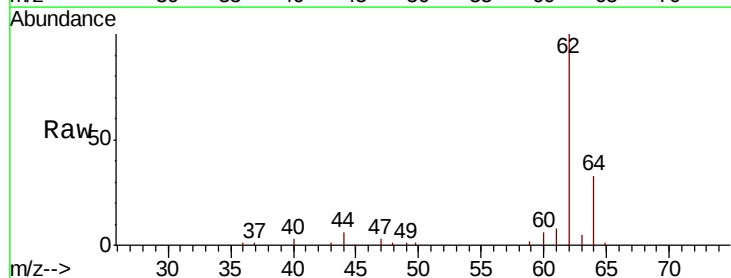
Acq: 12 Jun 2019 8:56

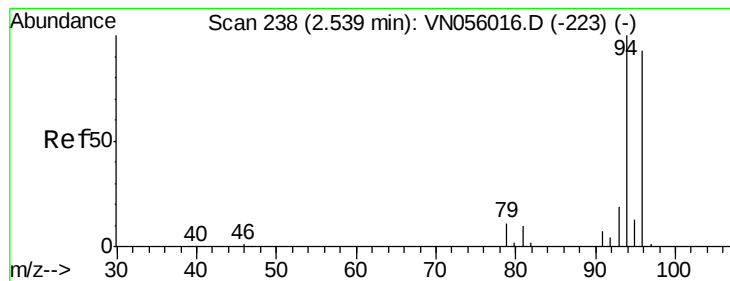
Tgt Ion: 62 Resp: 65668

Ion Ratio Lower Upper

62 100

64 33.4 25.8 38.8





#5

Bromomethane

Concen: 20.909 ug/l

RT: 2.54 min Scan# 239

Delta R.T. 0.00 min

Lab File: VN056235.D

Acq: 12 Jun 2019 8:56

Instrument :

MSVOA_N

ClientSampleId :

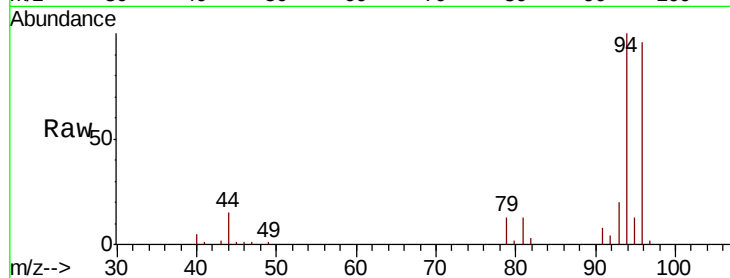
VSTDCCC020

Tot Ion: 94 Resp: 43412

Ion Ratio Lower Upper

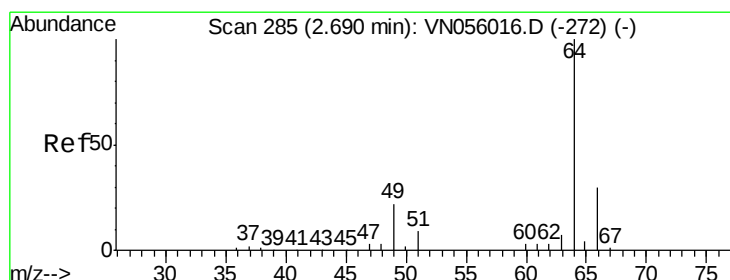
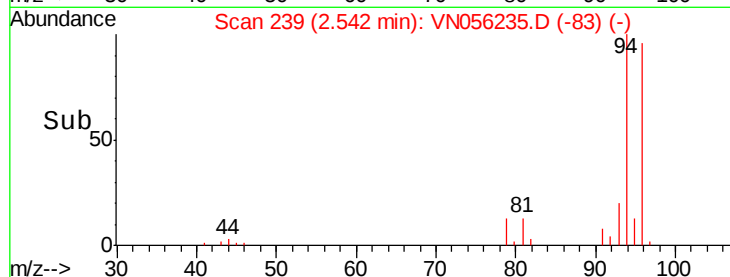
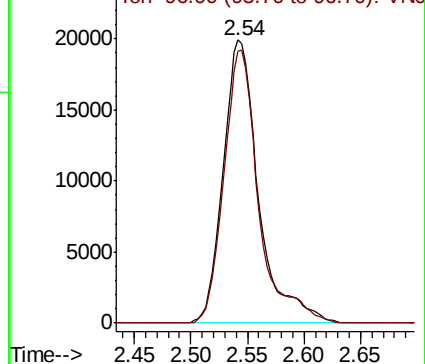
94 100

96 96.0 74.1 111.1



Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0



#6

Chloroethane

Concen: 19.689 ug/l

RT: 2.69 min Scan# 285

Delta R.T. -0.00 min

Lab File: VN056235.D

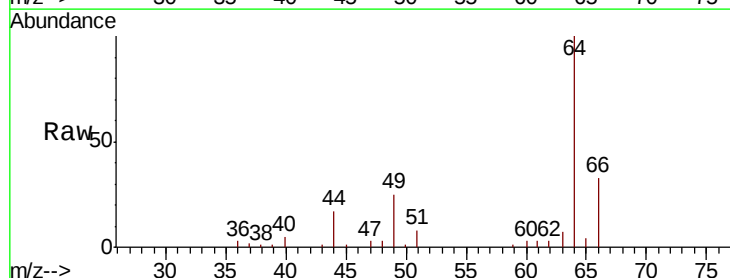
Acq: 12 Jun 2019 8:56

Tgt Ion: 64 Resp: 36792

Ion Ratio Lower Upper

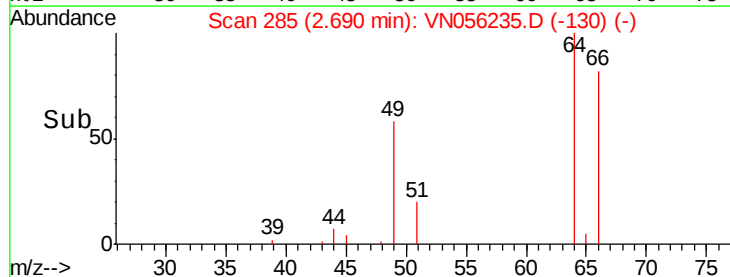
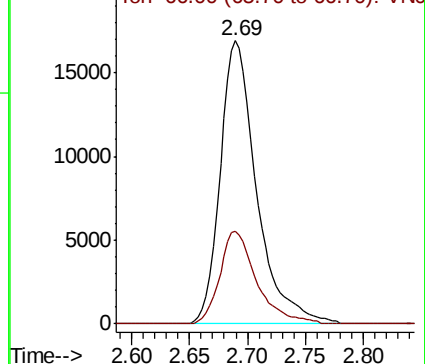
64 100

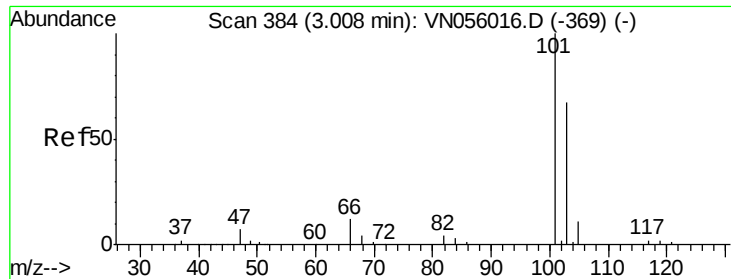
66 32.6 23.7 35.5



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0



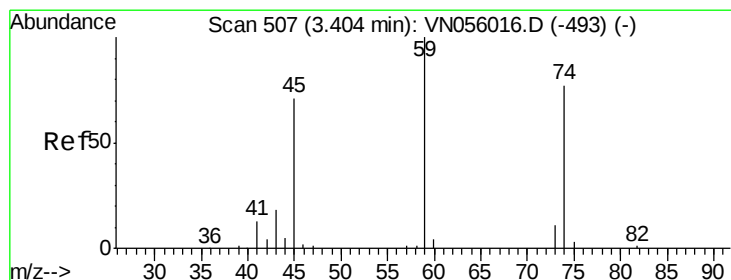
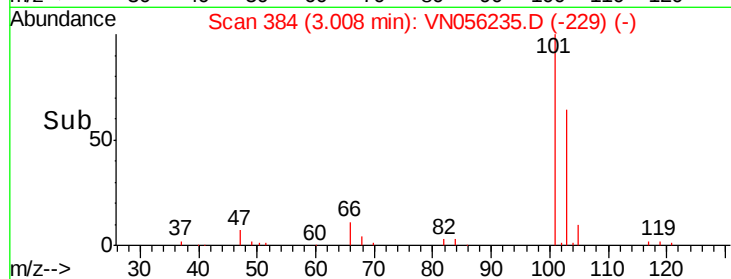
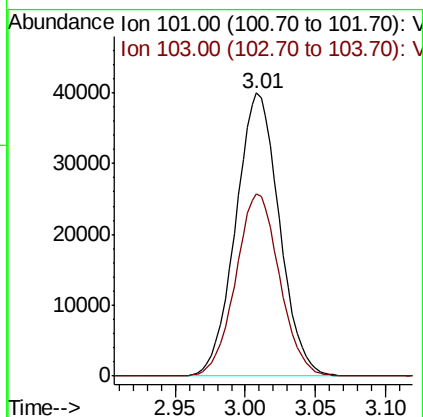
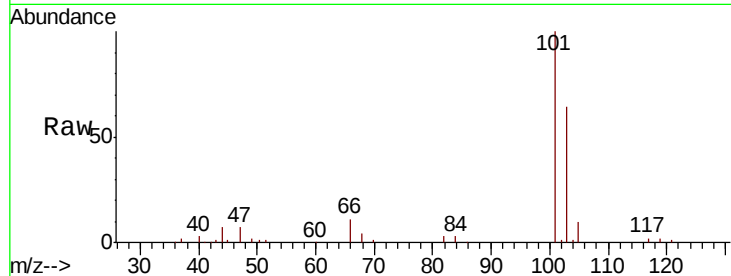


#7

Trichlorofluoromethane
 Concen: 21.144 ug/l
 RT: 3.01 min Scan# 384
 Delta R.T. -0.00 min
 Lab File: VN056235.D
 Acq: 12 Jun 2019 8:56

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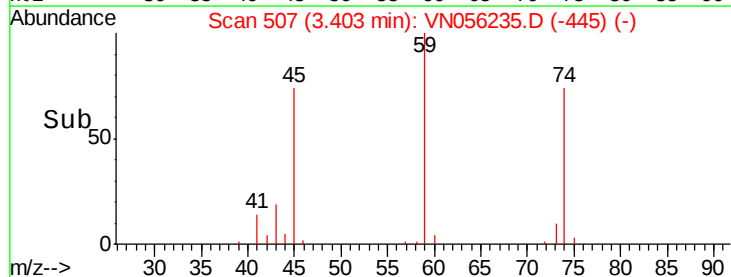
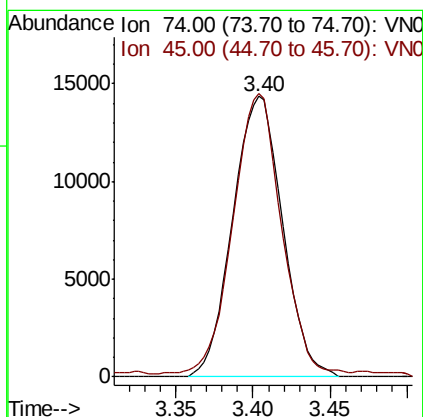
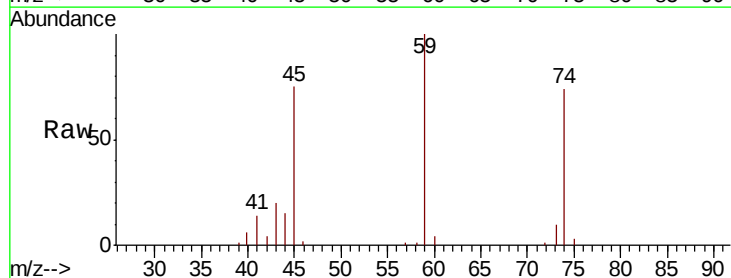
Tot Ion:101 Resp: 86426
 Ion Ratio Lower Upper
 101 100
 103 64.4 53.4 80.0

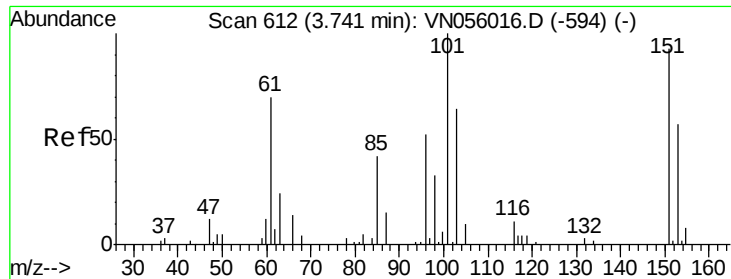


#8

Diethyl Ether
 Concen: 18.556 ug/l
 RT: 3.40 min Scan# 507
 Delta R.T. -0.00 min
 Lab File: VN056235.D
 Acq: 12 Jun 2019 8:56

Tgt Ion: 74 Resp: 32168
 Ion Ratio Lower Upper
 74 100
 45 96.3 18.8 169.6

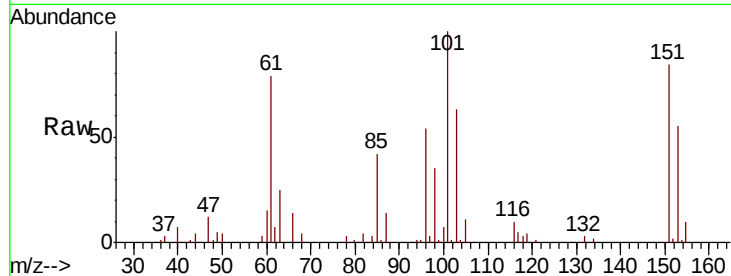




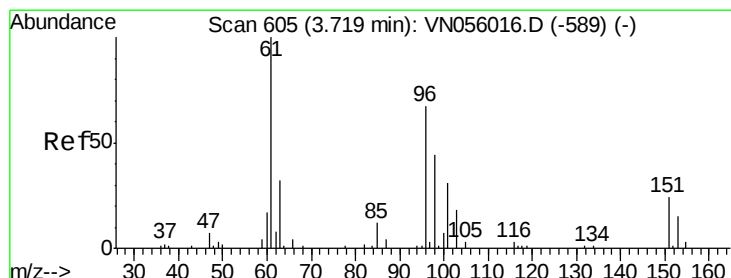
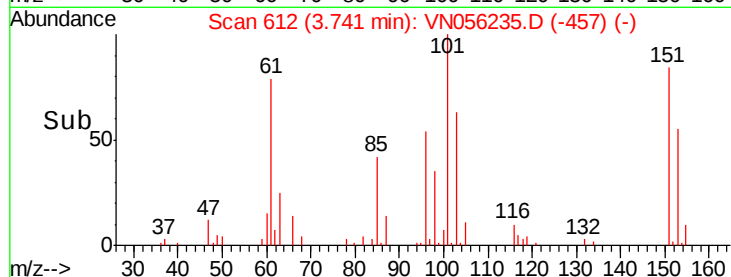
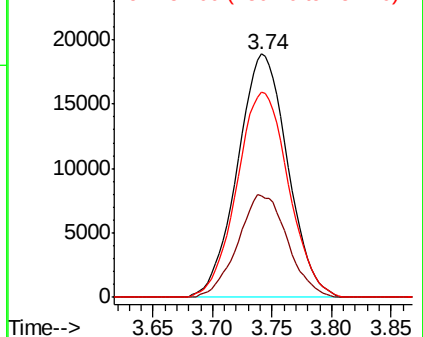
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 21.887 ug/l
 RT: 3.74 min Scan# 612
 Delta R.T. -0.00 min
 Lab File: VN056235.D
 Acq: 12 Jun 2019 8:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion:101 Resp: 55225
 Ion Ratio Lower Upper
 101 100
 85 41.6 0.0 82.0
 151 86.8 0.0 177.0

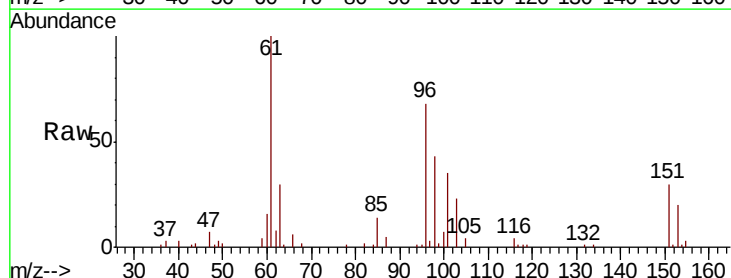


Abundance Ion 101.00 (100.70 to 101.70): V
 Ion 85.00 (84.70 to 85.70): VN
 Ion 151.00 (150.70 to 151.70): V

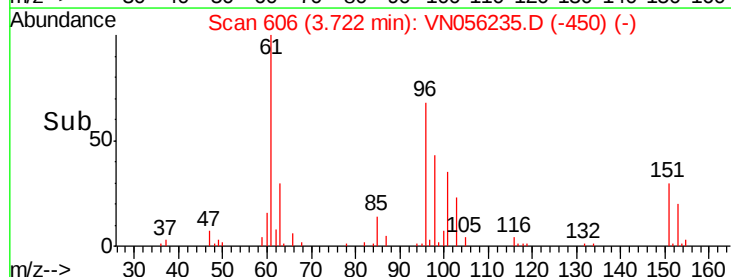
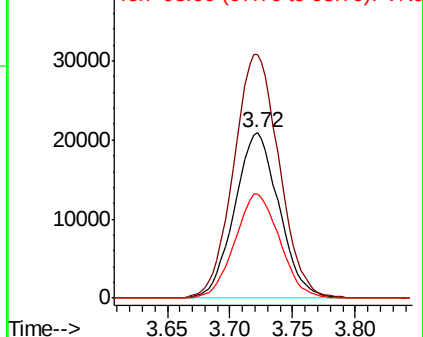


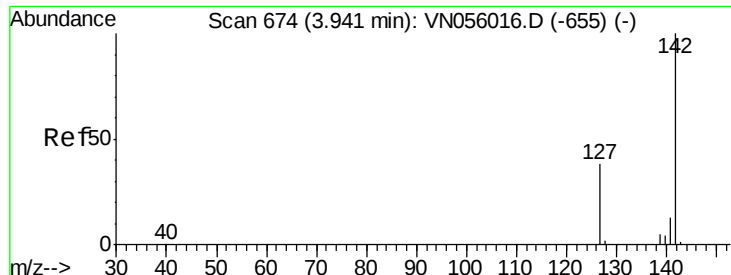
#10
 1,1-Dichloroethene
 Concen: 20.011 ug/l
 RT: 3.72 min Scan# 606
 Delta R.T. 0.00 min
 Lab File: VN056235.D
 Acq: 12 Jun 2019 8:56

Tgt Ion: 96 Resp: 51505
 Ion Ratio Lower Upper
 96 100
 61 146.3 119.7 179.5
 98 63.1 52.3 78.5



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

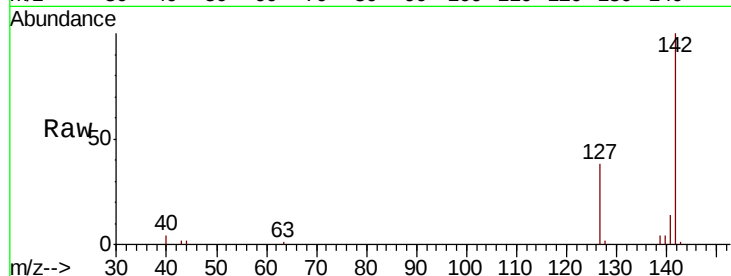




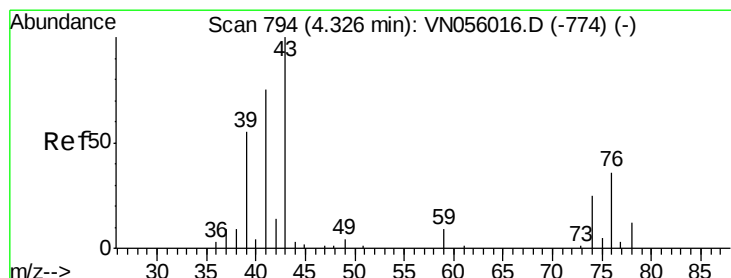
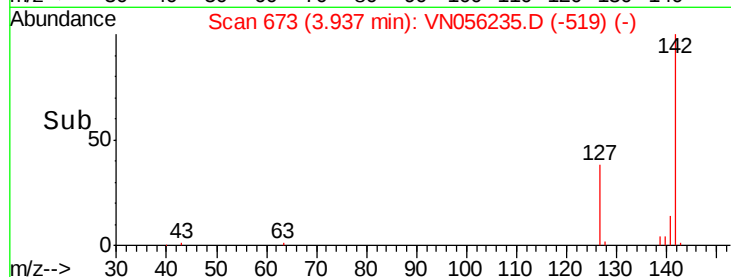
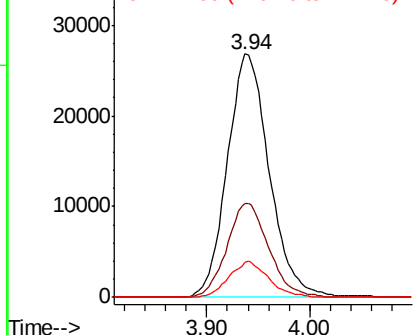
#11
Methyl Iodide
Concen: 18.735 ug/l
RT: 3.94 min Scan# 673
Delta R.T. -0.00 min
Lab File: VN056235.D
Acq: 12 Jun 2019 8:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion:142 Resp: 76080
Ion Ratio Lower Upper
142 100
127 38.6 19.0 57.0
141 14.2 6.7 20.0

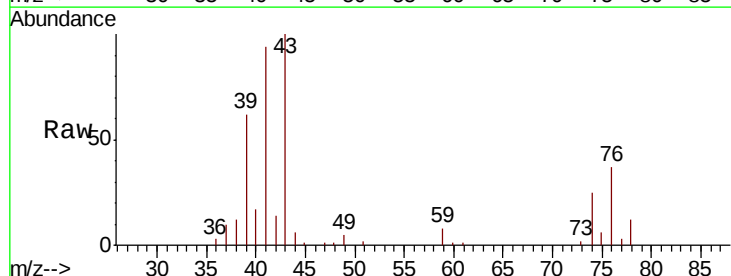


Abundance Ion 142.00 (141.70 to 142.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 141.00 (140.70 to 141.70): V

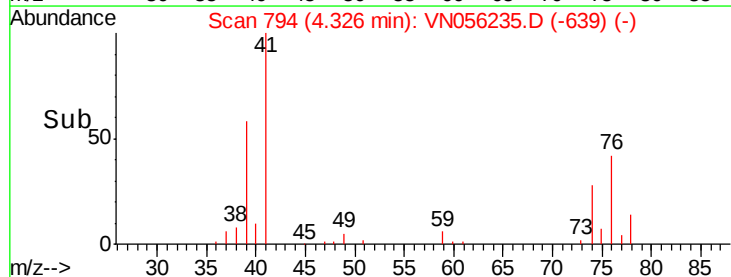
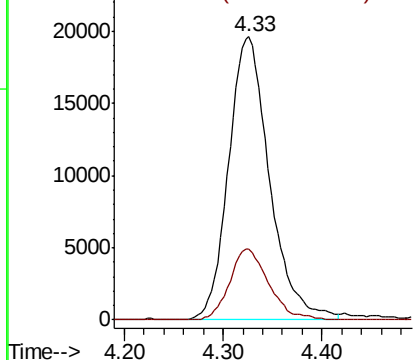


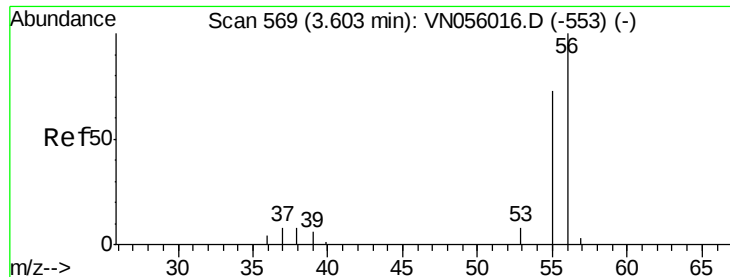
#12
Methyl Acetate
Concen: 18.360 ug/l
RT: 4.33 min Scan# 794
Delta R.T. -0.00 min
Lab File: VN056235.D
Acq: 12 Jun 2019 8:56

Tgt Ion: 43 Resp: 56786
Ion Ratio Lower Upper
43 100
74 25.1 19.9 29.9



Abundance Ion 43.00 (42.70 to 43.70): V
Ion 74.00 (73.70 to 74.70): V





#13

Acrolein

Concen: 89.133 ug/l

RT: 3.59 min Scan# 566

Delta R.T. -0.01 min

Lab File: VN056235.D

Acq: 12 Jun 2019 8:56

Instrument :

MSVOA_N

ClientSampleId :

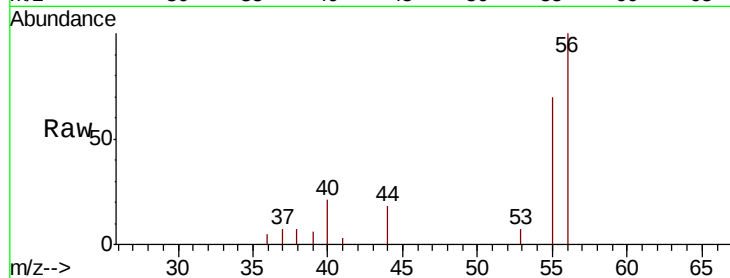
VSTDCCC020

Tot Ion: 56 Resp: 13437

Ion Ratio Lower Upper

56 100

55 71.0 57.9 86.9



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

3.59

6000

5000

4000

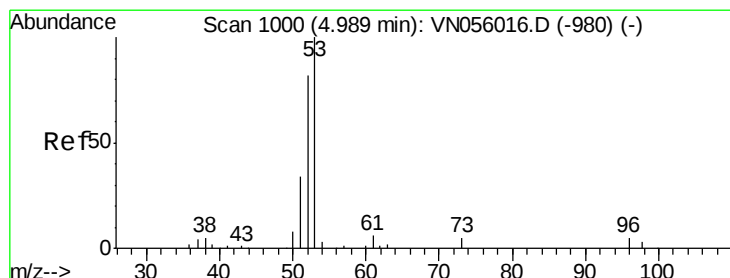
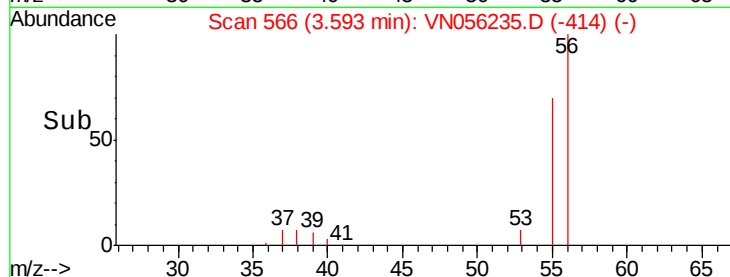
3000

2000

1000

0

Time-->



#14

Acrylonitrile

Concen: 93.143 ug/l

RT: 4.99 min Scan# 999

Delta R.T. -0.00 min

Lab File: VN056235.D

Acq: 12 Jun 2019 8:56

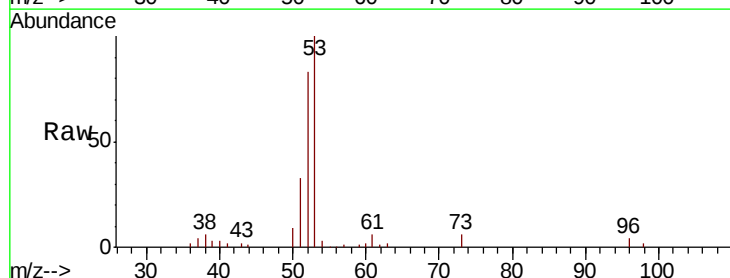
Tgt Ion: 53 Resp: 128472

Ion Ratio Lower Upper

53 100

52 80.9 40.8 122.2

51 35.0 17.3 52.0



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0

4.99

50000

40000

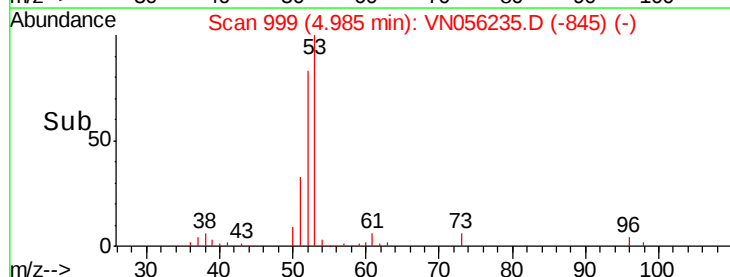
30000

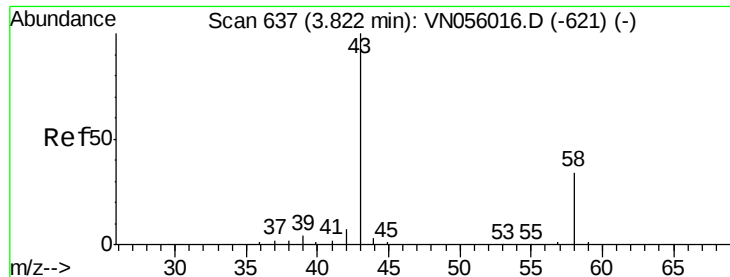
20000

10000

0

Time-->





#15

Acetone

Concen: 123.857 ug/l

RT: 3.82 min Scan# 636

Delta R.T. -0.00 min

Lab File: VN056235.D

Acq: 12 Jun 2019 8:56

Instrument :

MSVOA_N

ClientSampleId :

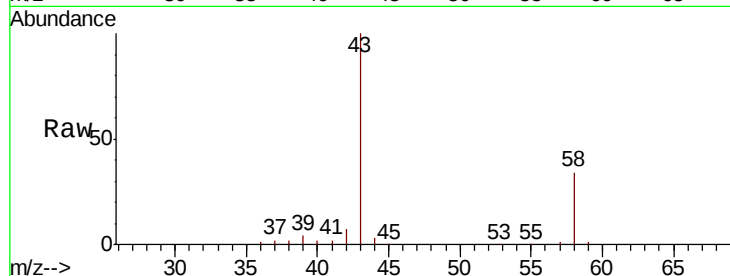
VSTDCCC020

Tot Ion: 58 Resp: 55937

Ion Ratio Lower Upper

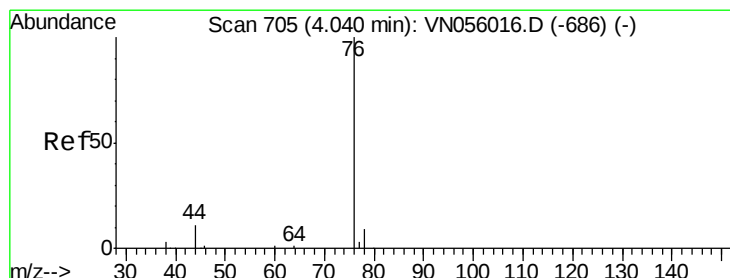
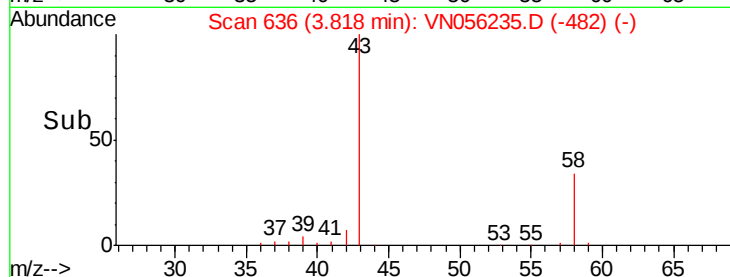
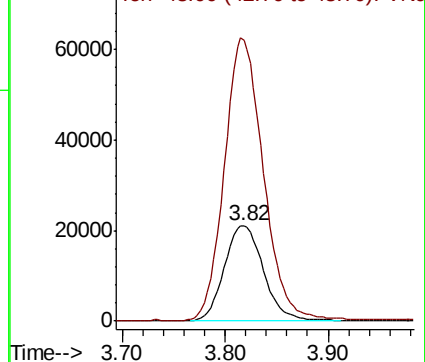
58 100

43 292.3 232.5 348.7



Abundance Ion 58.00 (57.70 to 58.70): VN0

Ion 43.00 (42.70 to 43.70): VN0



#16

Carbon Disulfide

Concen: 21.296 ug/l

RT: 4.04 min Scan# 704

Delta R.T. -0.00 min

Lab File: VN056235.D

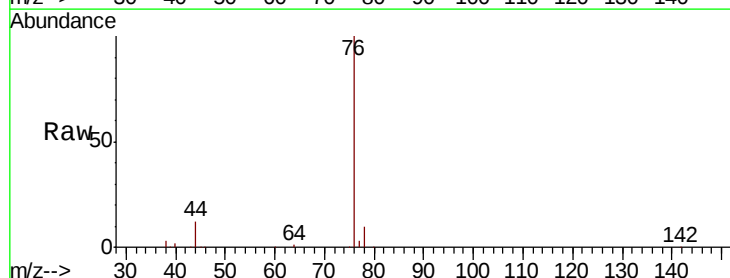
Acq: 12 Jun 2019 8:56

Tgt Ion: 76 Resp: 130419

Ion Ratio Lower Upper

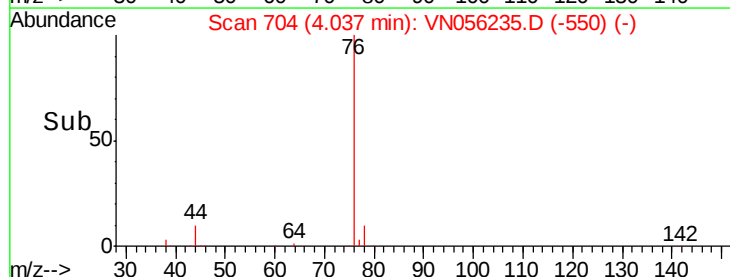
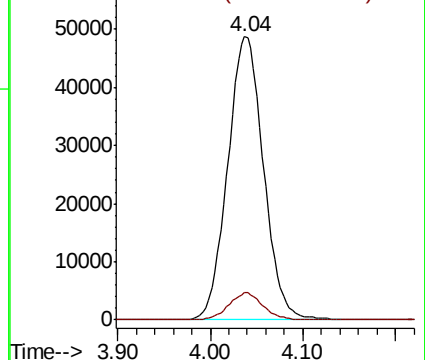
76 100

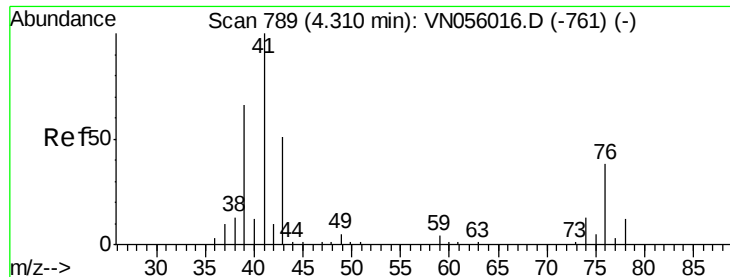
78 9.7 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0

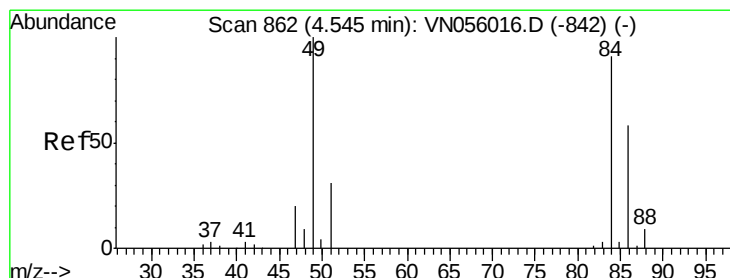
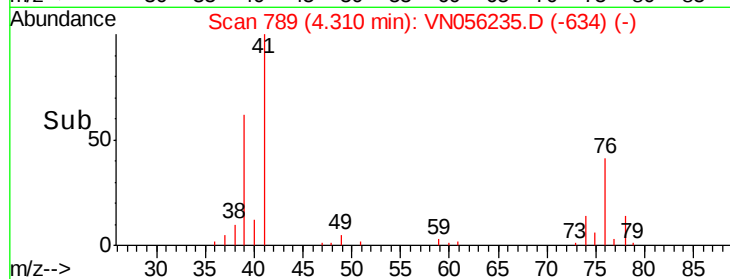
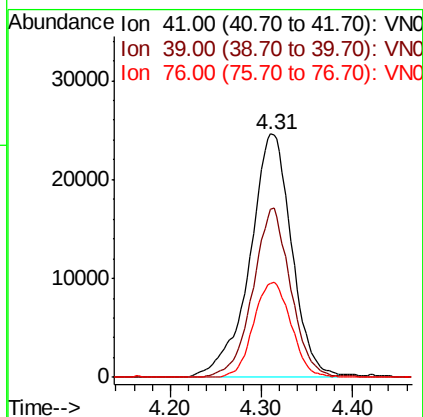
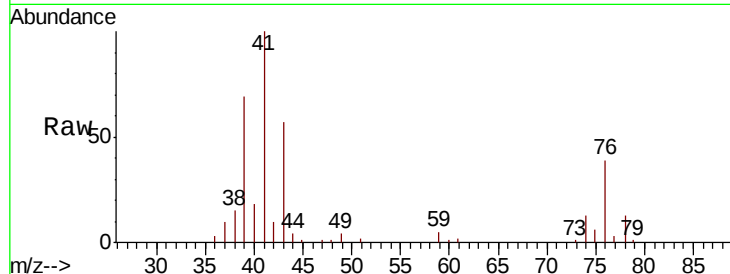




#17
Allvl chloride
Concen: 19.734 ug/l
RT: 4.31 min Scan# 789
Delta R.T. -0.00 min
Lab File: VN056235.D
Acq: 12 Jun 2019 8:56

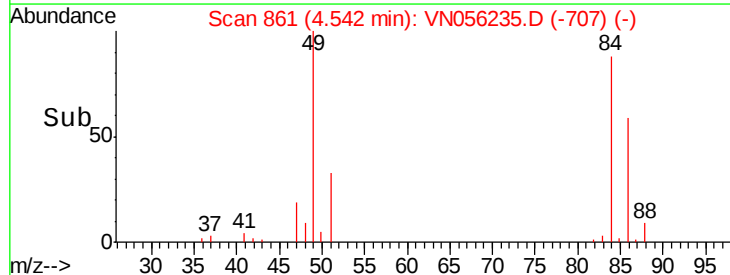
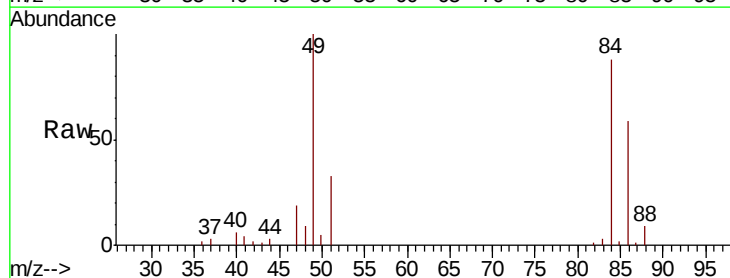
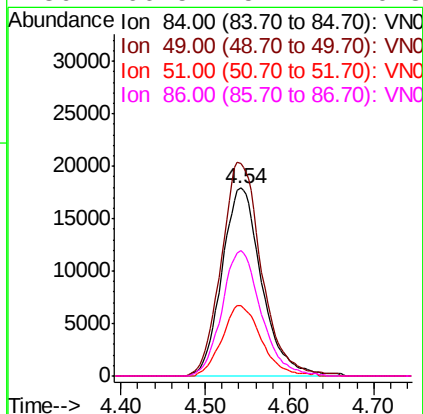
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

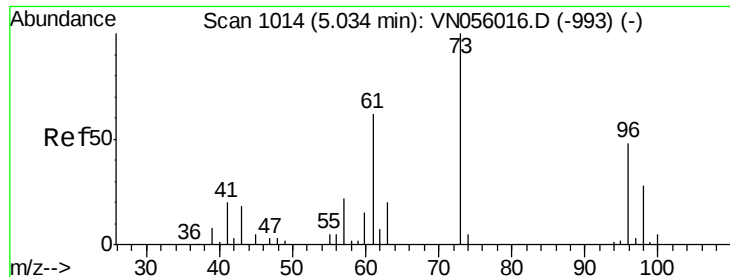
Tot Ion: 41 Resp: 78698
Ion Ratio Lower Upper
41 100
39 69.1 33.0 99.0
76 38.7 18.9 56.9



#18
Methylene Chloride
Concen: 19.722 ug/l
RT: 4.54 min Scan# 861
Delta R.T. -0.00 min
Lab File: VN056235.D
Acq: 12 Jun 2019 8:56

Tgt Ion: 84 Resp: 58766
Ion Ratio Lower Upper
84 100
49 112.1 87.6 131.4
51 37.6 27.0 40.4
86 66.5 51.2 76.8

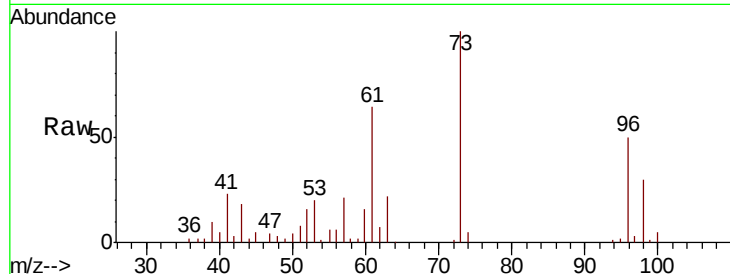




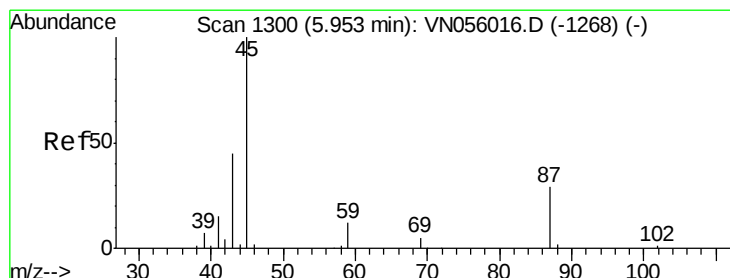
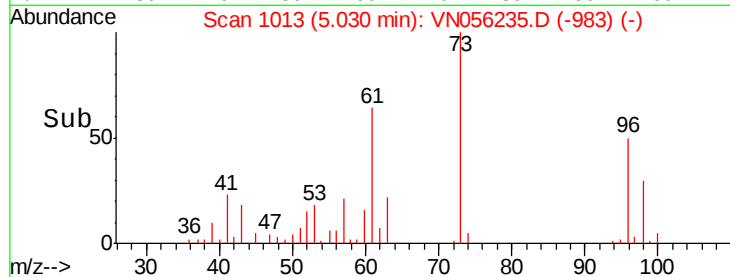
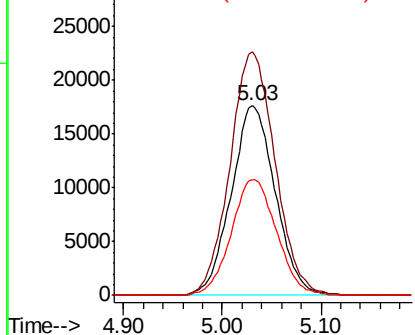
#19
trans-1,2-Dichloroethene
Concen: 19.934 ug/l
RT: 5.03 min Scan# 1013
Delta R.T. -0.00 min
Lab File: VN056235.D
Acq: 12 Jun 2019 8:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion: 96 Resp: 54767
Ion Ratio Lower Upper
96 100
61 127.6 102.5 153.7
98 61.2 46.9 70.3

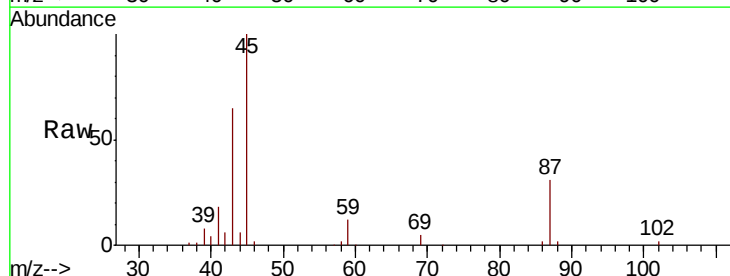


Abundance Ion 96.00 (95.70 to 96.70): VN0
Ion 61.00 (60.70 to 61.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

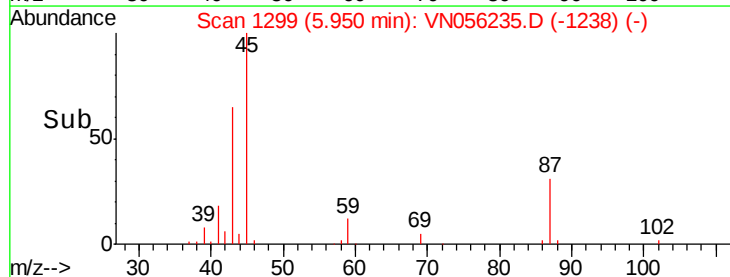
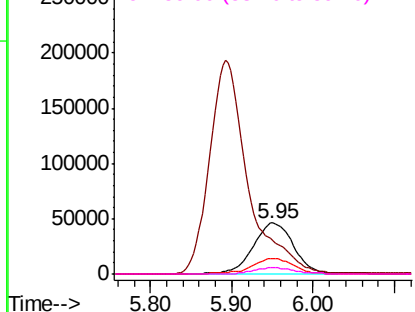


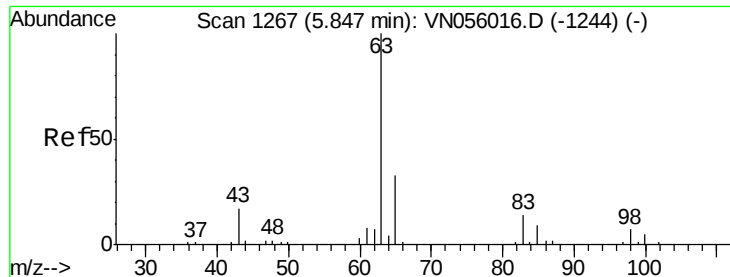
#20
Diisopropyl ether
Concen: 19.444 ug/l
RT: 5.95 min Scan# 1299
Delta R.T. -0.00 min
Lab File: VN056235.D
Acq: 12 Jun 2019 8:56

Tgt Ion: 45 Resp: 160657
Ion Ratio Lower Upper
45 100
43 61.7 48.0 72.0
87 30.1 23.4 35.2
59 12.0 9.2 13.8



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

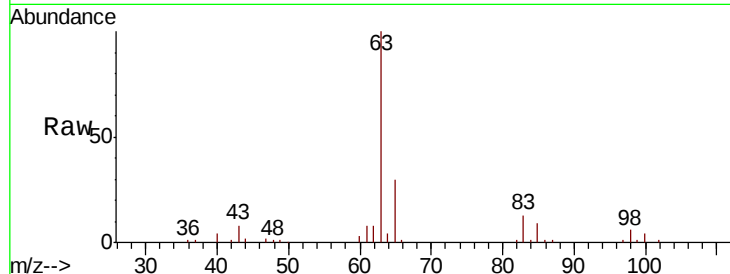




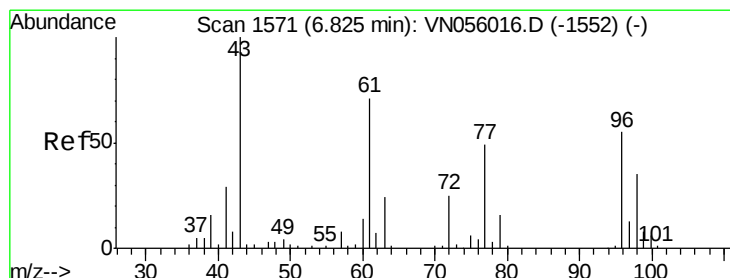
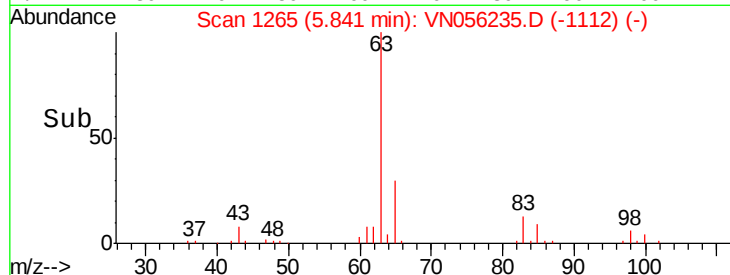
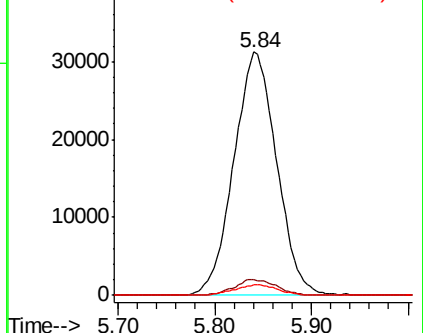
#21
 1,1-Dichloroethane
 Concen: 20.014 ug/l
 RT: 5.84 min Scan# 1265
 Delta R.T. -0.01 min
 Lab File: VN056235.D
 Acq: 12 Jun 2019 8:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
63	100		
98	6.4	3.5	10.5
100	4.3	2.3	6.9

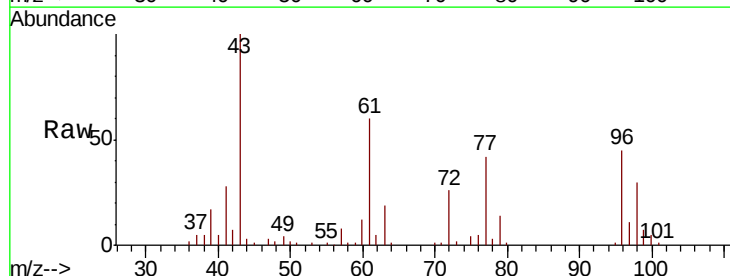


Abundance Ion 63.00 (62.70 to 63.70): VN056016.D (-1244) (-)
 Ion 98.00 (97.70 to 98.70): VN056016.D (-1244) (-)
 Ion 100.00 (99.70 to 100.70): VN056016.D (-1244) (-)

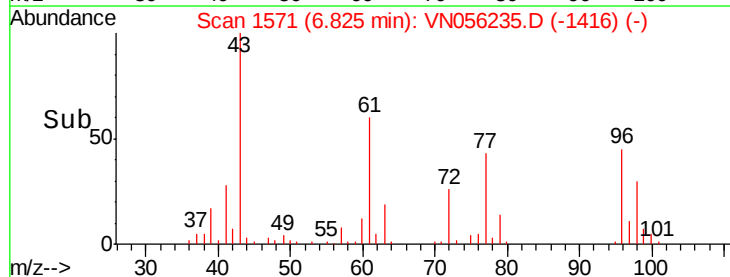
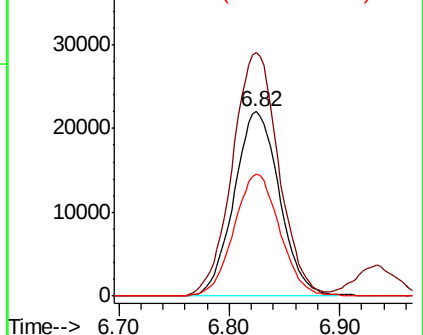


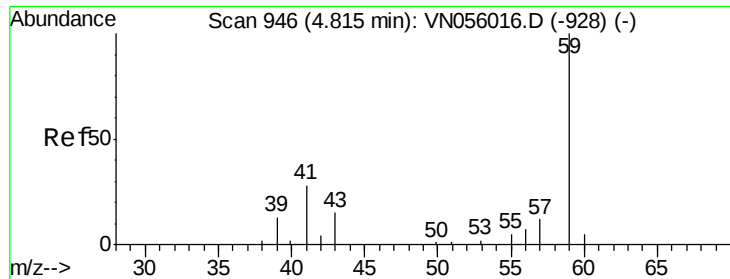
#22
 cis-1,2-Dichloroethene
 Concen: 19.629 ug/l
 RT: 6.82 min Scan# 1571
 Delta R.T. -0.00 min
 Lab File: VN056235.D
 Acq: 12 Jun 2019 8:56

Tgt Ion	Ratio	Lower	Upper
96	100		
61	134.4	105.7	158.5
98	66.4	52.0	78.0



Abundance Ion 96.00 (95.70 to 96.70): VN056016.D (-1552) (-)
 Ion 61.00 (60.70 to 61.70): VN056016.D (-1552) (-)
 Ion 98.00 (97.70 to 98.70): VN056016.D (-1552) (-)



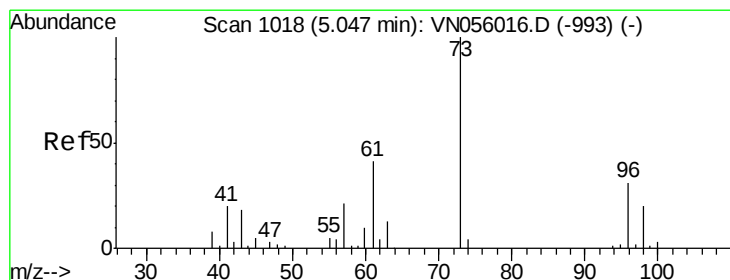
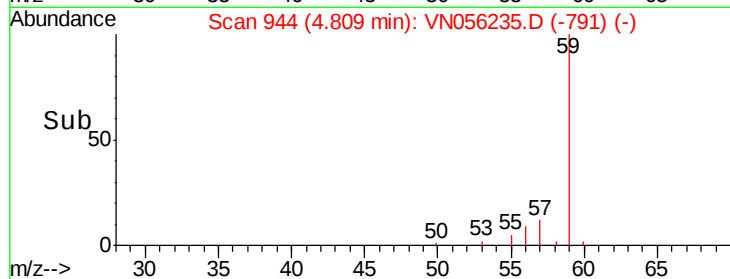
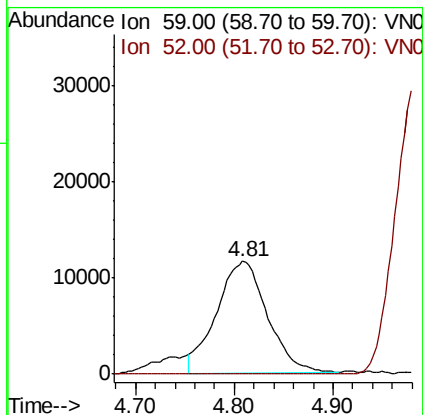
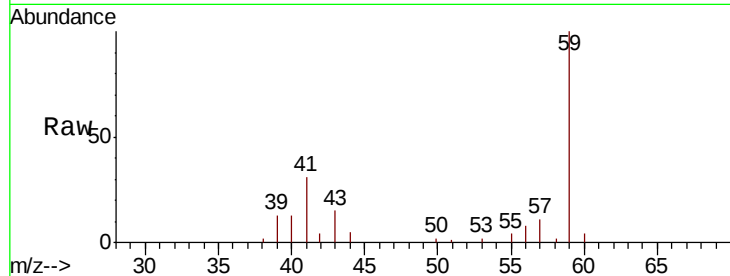


#23

tert-Butyl Alcohol
 Concen: 77.869 ug/l
 RT: 4.81 min Scan# 944
 Delta R.T. -0.01 min
 Lab File: VN056235.D
 Acq: 12 Jun 2019 8:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

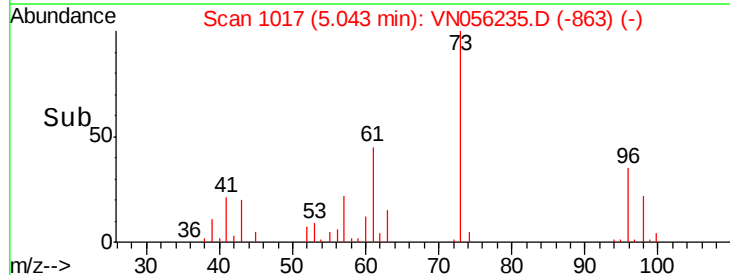
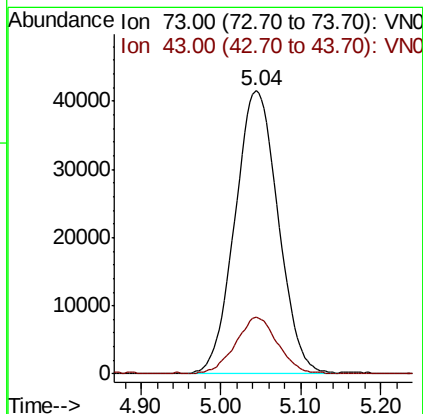
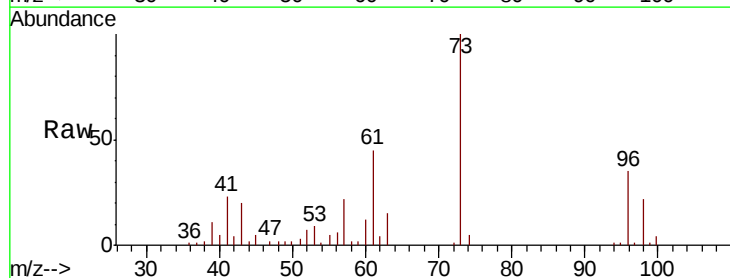
Tot Ion: 59 Resp: 41806
 Ion Ratio Lower Upper
 59 100
 52 0.0 0.0 0.0

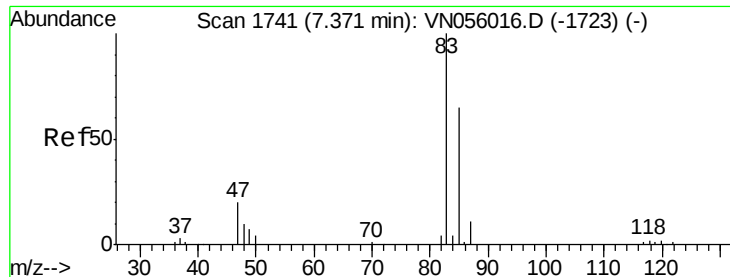


#24

Methyl tert-Butyl Ether
 Concen: 18.662 ug/l
 RT: 5.04 min Scan# 1017
 Delta R.T. -0.00 min
 Lab File: VN056235.D
 Acq: 12 Jun 2019 8:56

Tgt Ion: 73 Resp: 153082
 Ion Ratio Lower Upper
 73 100
 43 19.6 15.4 23.0

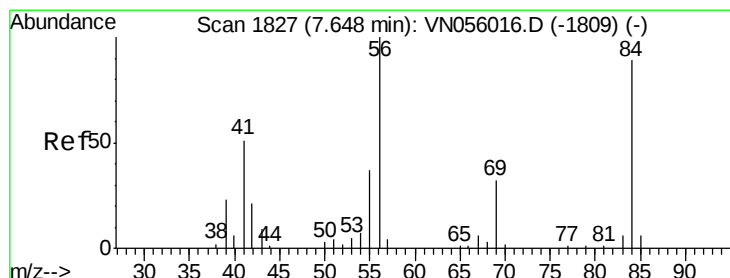
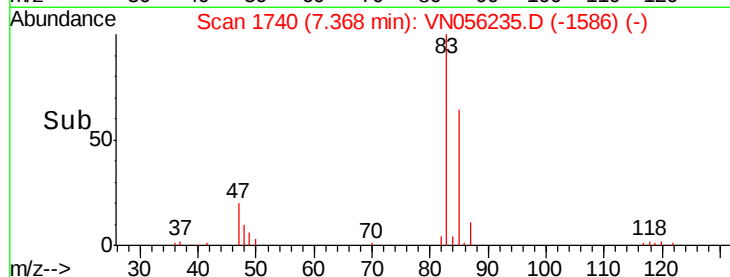
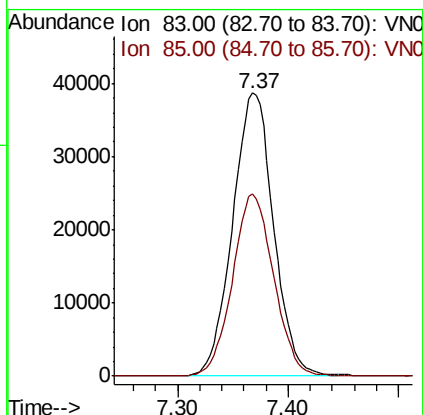
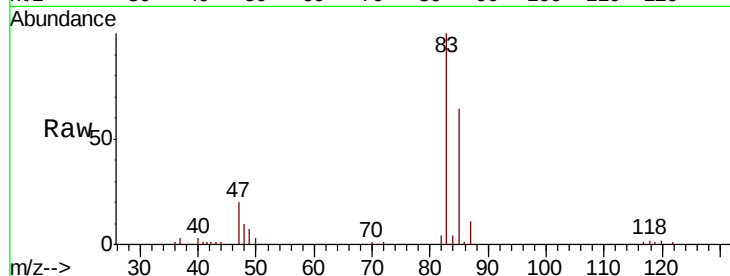




#25
Chloroform
Concen: 20.774 ug/l
RT: 7.37 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VN056235.D
Acq: 12 Jun 2019 8:56

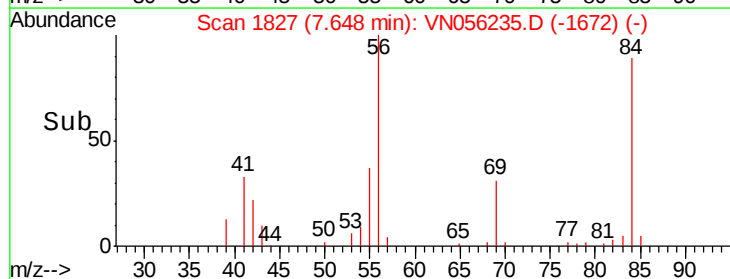
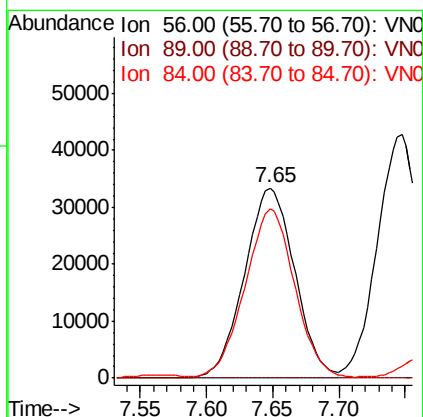
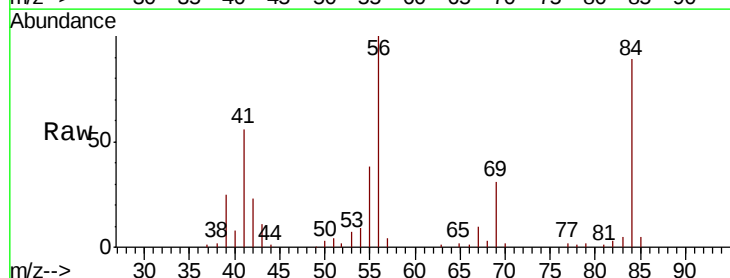
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

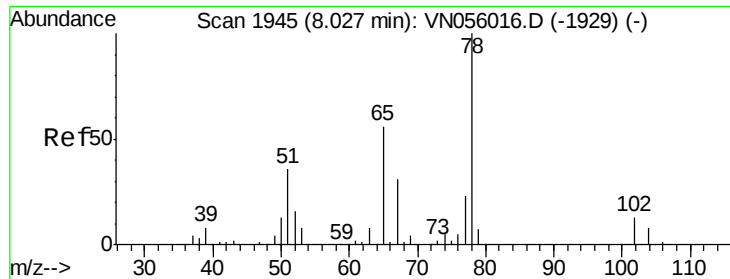
Tot Ion: 83 Resp: 99608
Ion Ratio Lower Upper
83 100
85 64.4 52.0 78.0



#26
Cyclohexane
Concen: 19.785 ug/l
RT: 7.65 min Scan# 1827
Delta R.T. -0.00 min
Lab File: VN056235.D
Acq: 12 Jun 2019 8:56

Tgt Ion: 56 Resp: 88140
Ion Ratio Lower Upper
56 100
89 0.0 0.0 0.0
84 88.1 70.1 105.1

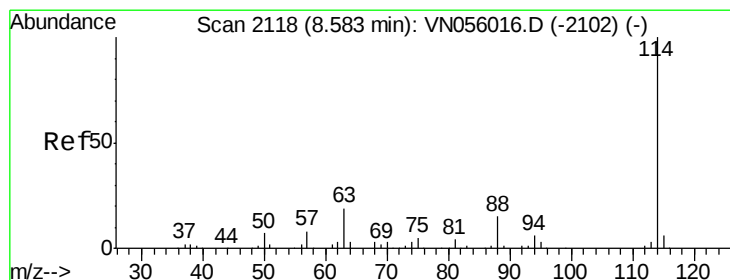
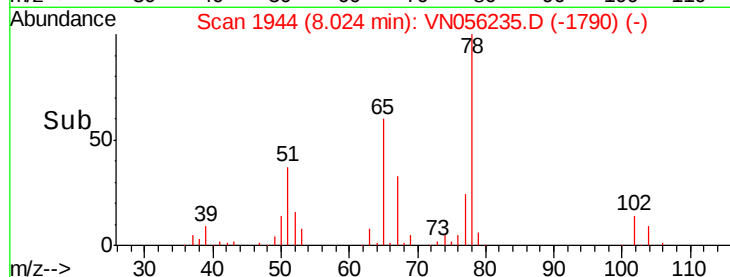
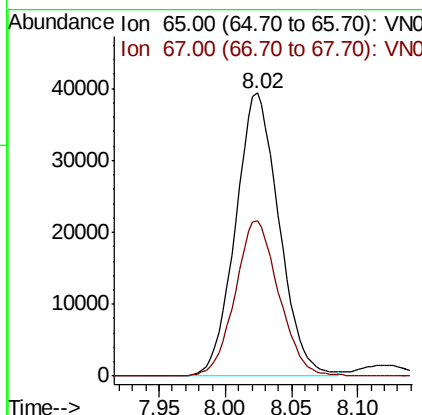
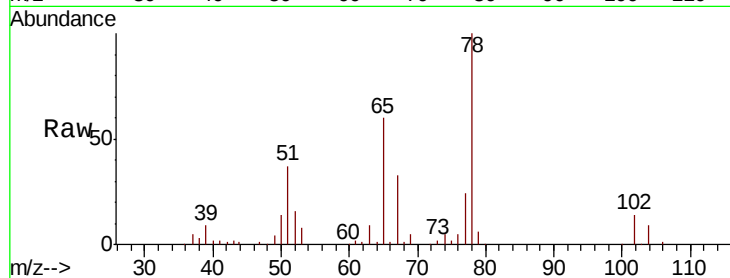




#27
 1,2-Dichloroethane-d4
 Concen: 29.355 ug/l
 RT: 8.02 min Scan# 1944
 Delta R.T. -0.00 min
 Lab File: VN056235.D
 Acq: 12 Jun 2019 8:56

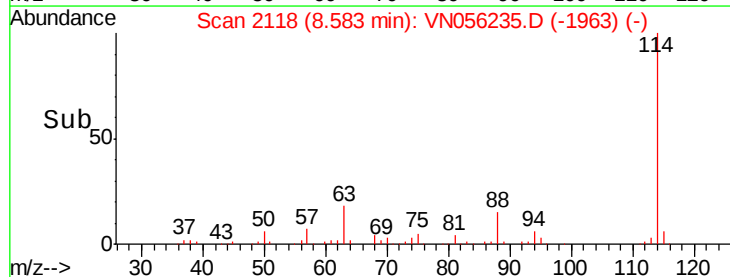
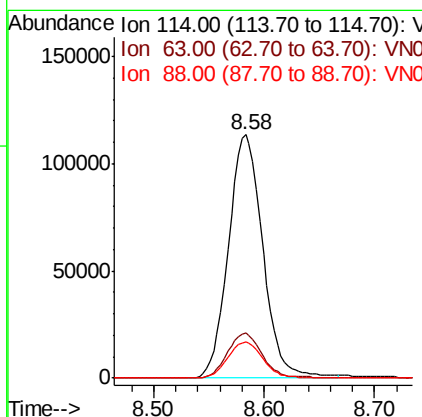
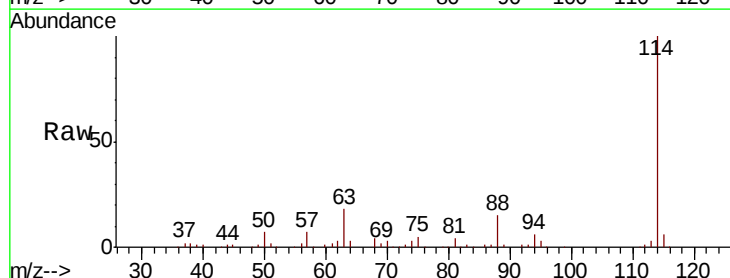
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

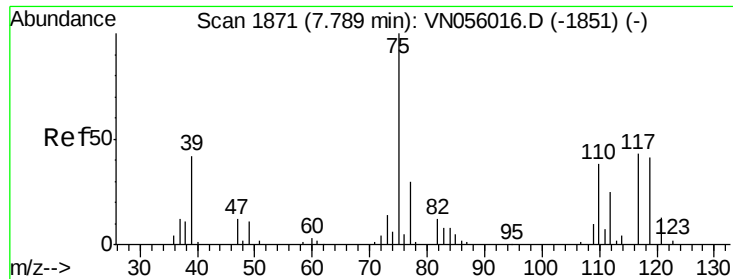
Tot Ion: 65 Resp: 89886
 Ion Ratio Lower Upper
 65 100
 67 55.0 43.4 65.2



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN056235.D
 Acq: 12 Jun 2019 8:56

Tgt Ion: 114 Resp: 246385
 Ion Ratio Lower Upper
 114 100
 63 18.8 14.7 22.1
 88 15.1 11.9 17.9

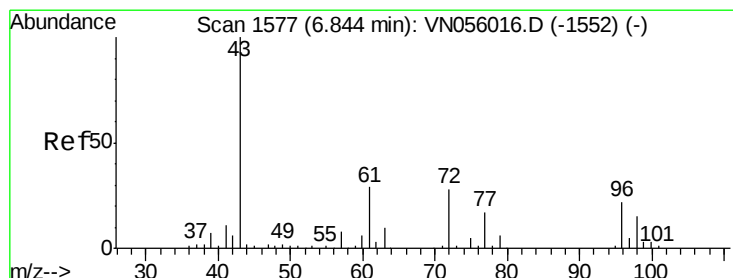
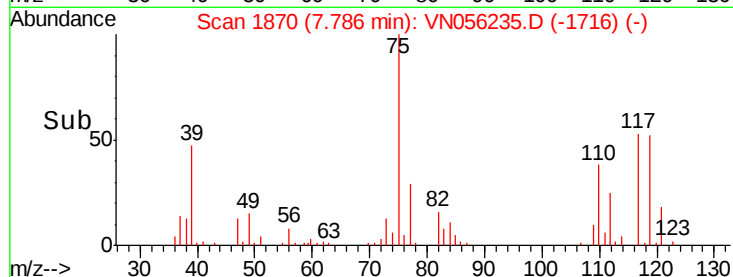
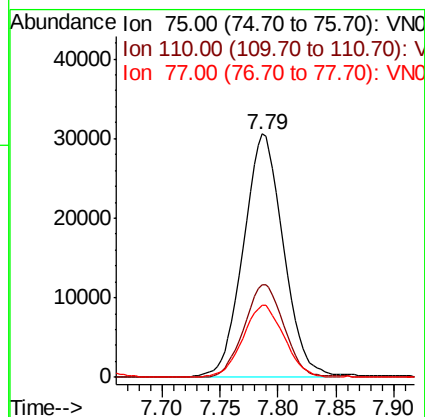
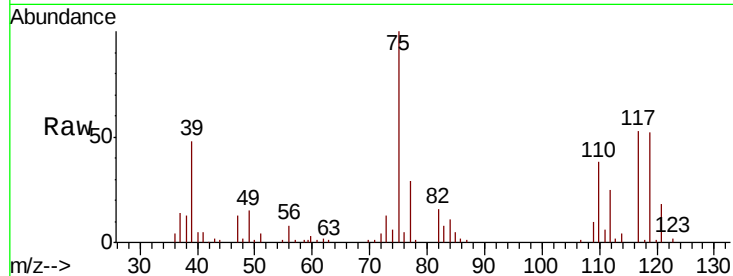




#29
 1,1-Dichloropropene
 Concen: 22.133 ug/l
 RT: 7.79 min Scan# 1870
 Delta R.T. -0.00 min
 Lab File: VN056235.D
 Acq: 12 Jun 2019 8:56

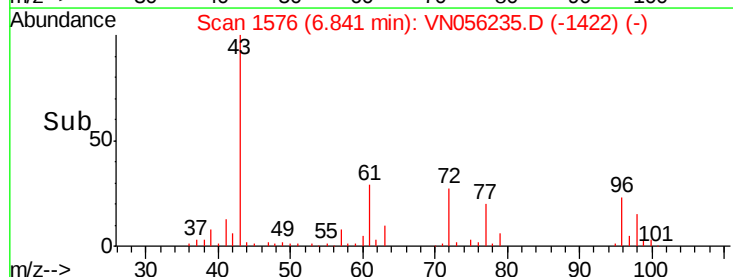
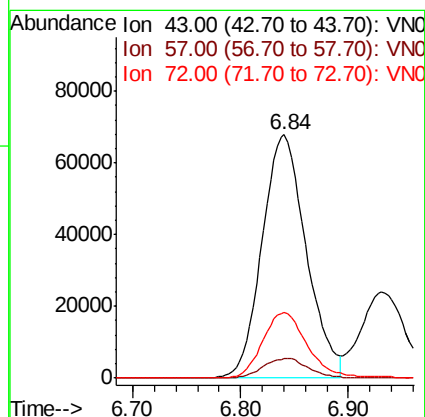
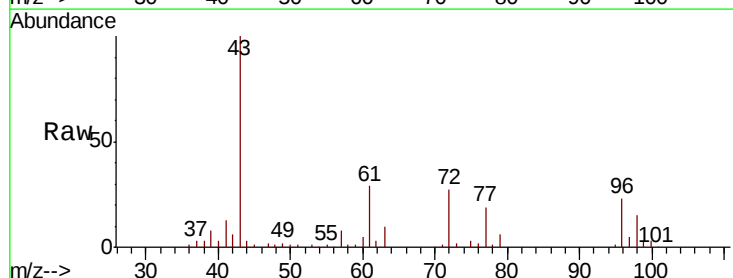
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

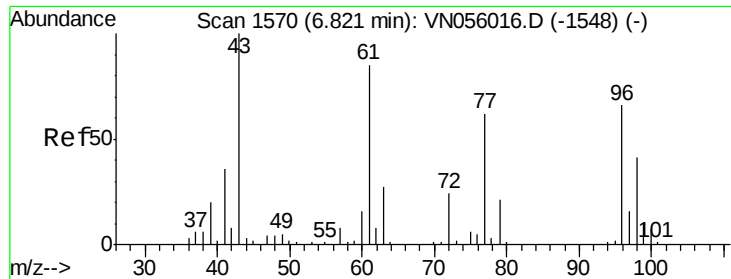
Tot Ion: 75 Resp: 73764
 Ion Ratio Lower Upper
 75 100
 110 37.9 0.0 77.0
 77 30.4 0.0 62.4



#30
 2-Butanone
 Concen: 109.367 ug/l
 RT: 6.84 min Scan# 1576
 Delta R.T. -0.00 min
 Lab File: VN056235.D
 Acq: 12 Jun 2019 8:56

Tgt Ion: 43 Resp: 191888
 Ion Ratio Lower Upper
 43 100
 57 8.3 6.7 10.1
 72 27.6 22.4 33.6





#31

2,2-Dichloropropane

Concen: 21.737 ug/l

RT: 6.82 min Scan# 1570

Delta R.T. -0.00 min

Lab File: VN056235.D

Acq: 12 Jun 2019 8:56

Instrument :

MSVOA_N

ClientSampleId :

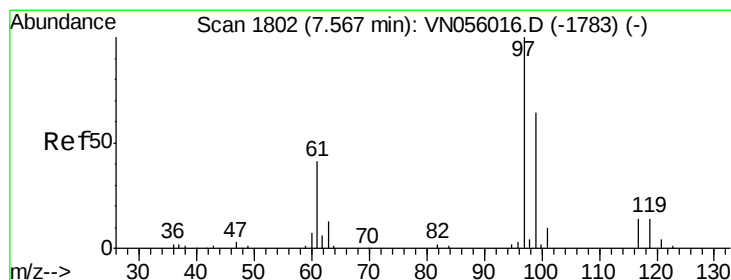
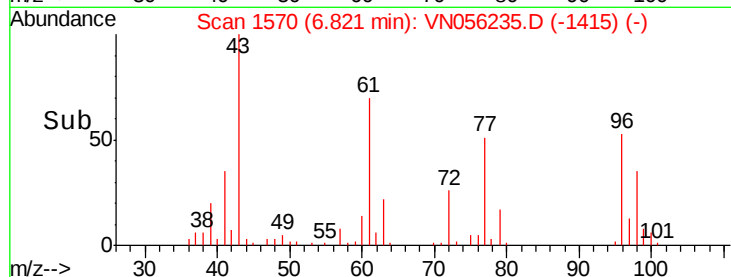
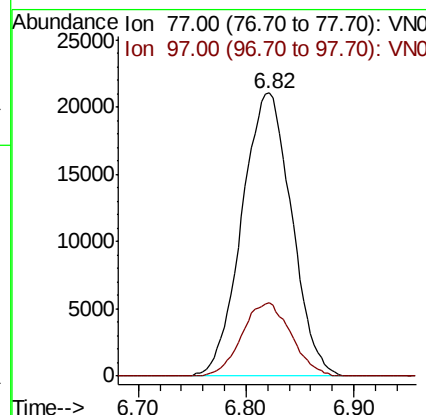
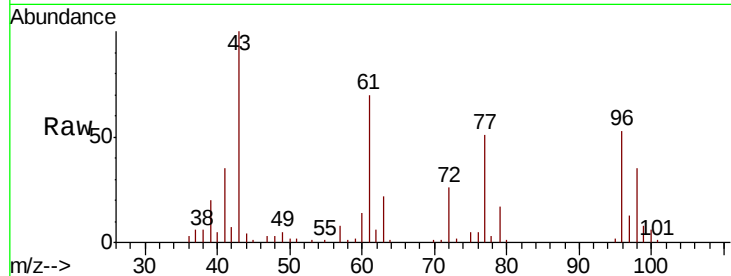
VSTDCCC020

Tot Ion: 77 Resp: 67395

Ion Ratio Lower Upper

77 100

97 25.6 20.8 31.2



#32

1,1,1-Trichloroethane

Concen: 22.261 ug/l

RT: 7.57 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VN056235.D

Acq: 12 Jun 2019 8:56

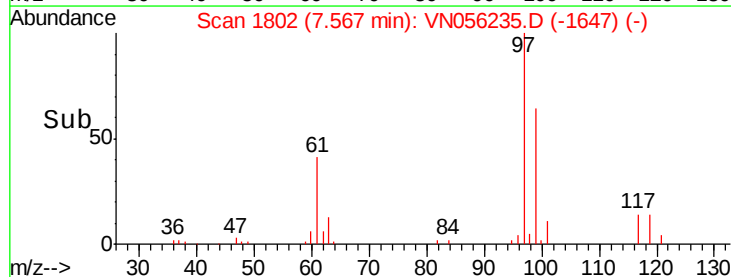
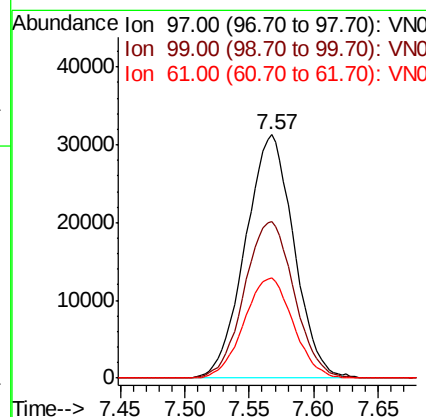
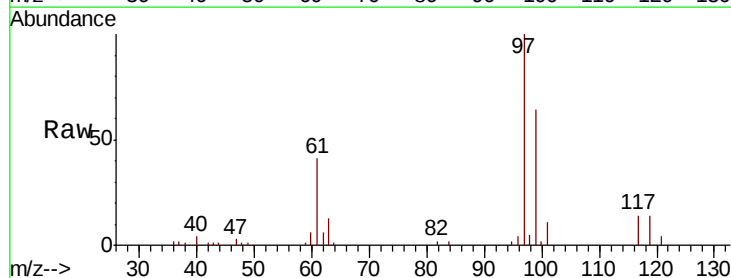
Tgt Ion: 97 Resp: 81970

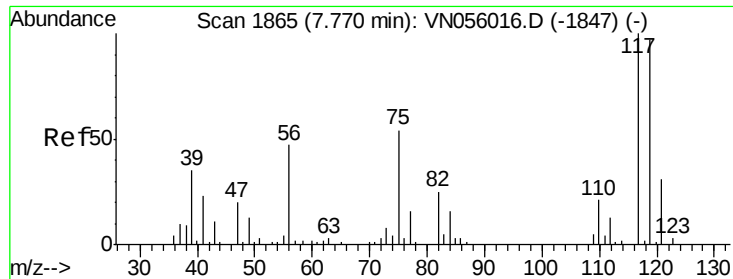
Ion Ratio Lower Upper

97 100

99 65.8 51.5 77.3

61 41.6 32.9 49.3

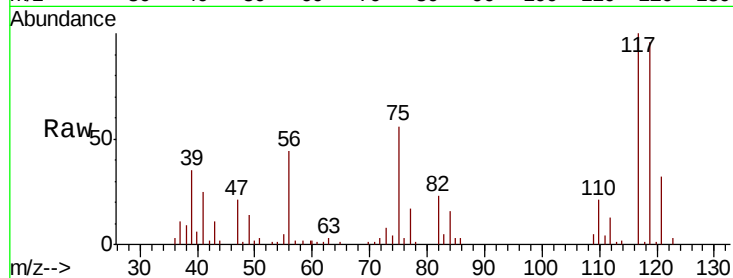




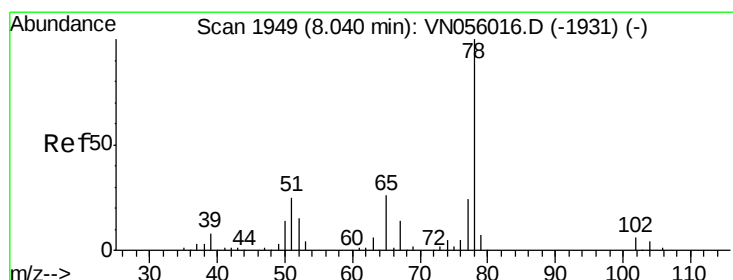
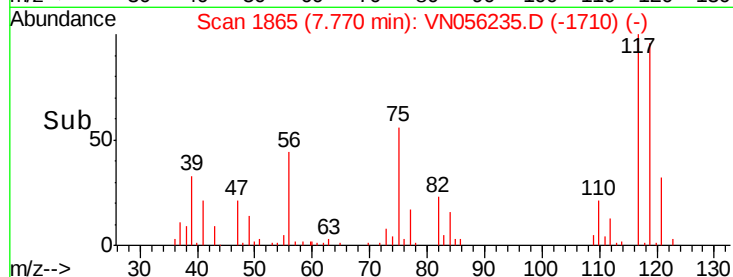
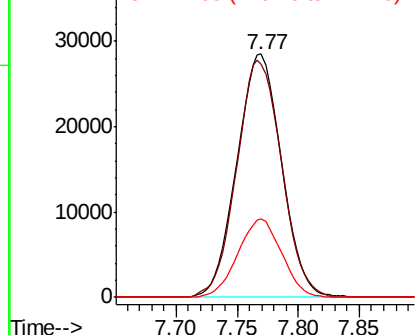
#33
Carbon Tetrachloride
Concen: 23.154 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. -0.00 min
Lab File: VN056235.D
Acq: 12 Jun 2019 8:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion:117 Resp: 72233
Ion Ratio Lower Upper
117 100
119 95.8 77.3 115.9
121 32.4 25.0 37.4

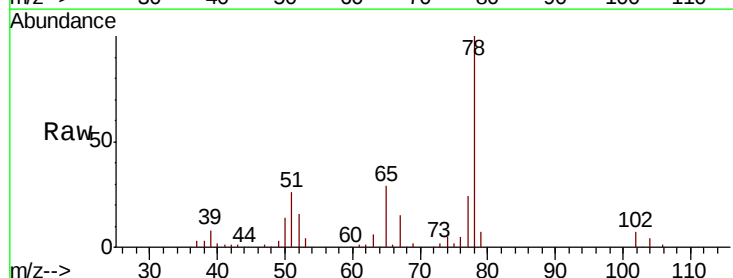


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V

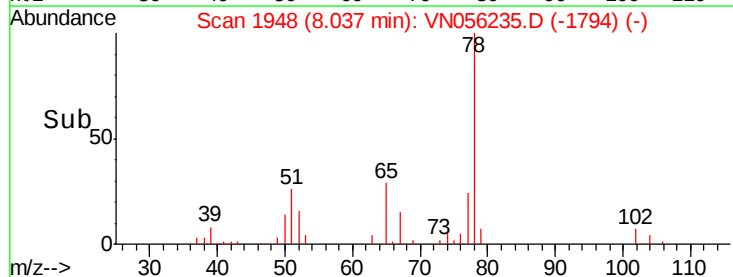
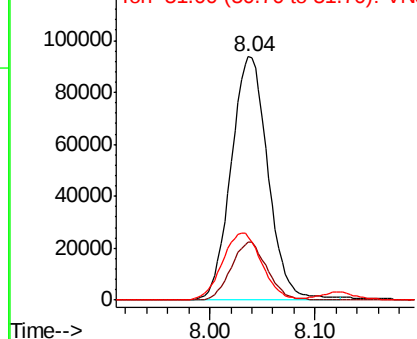


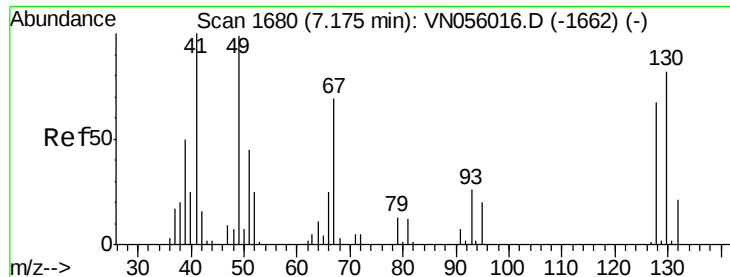
#34
Benzene
Concen: 21.391 ug/l
RT: 8.04 min Scan# 1948
Delta R.T. -0.00 min
Lab File: VN056235.D
Acq: 12 Jun 2019 8:56

Tgt Ion: 78 Resp: 227151
Ion Ratio Lower Upper
78 100
77 23.7 19.3 28.9
51 25.8 19.8 29.8



Abundance Ion 78.10 (77.80 to 78.80): V
Ion 77.00 (76.70 to 77.70): V
Ion 51.00 (50.70 to 51.70): V

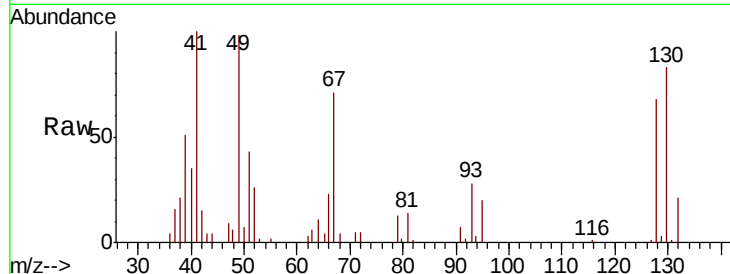




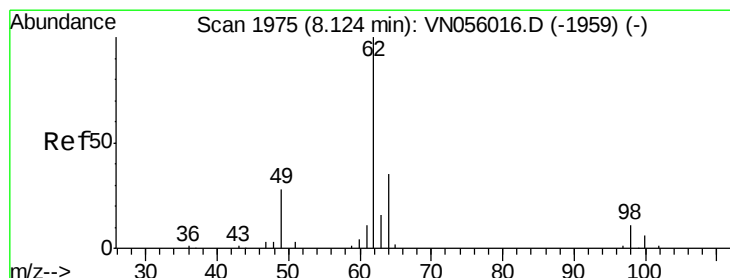
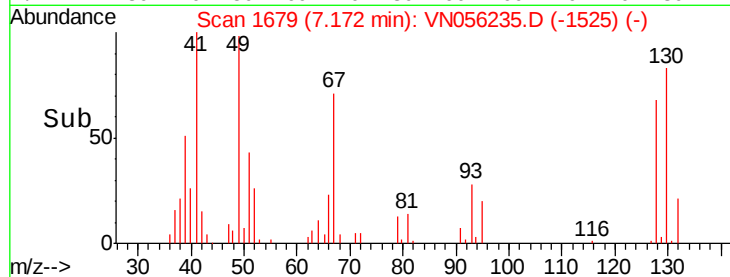
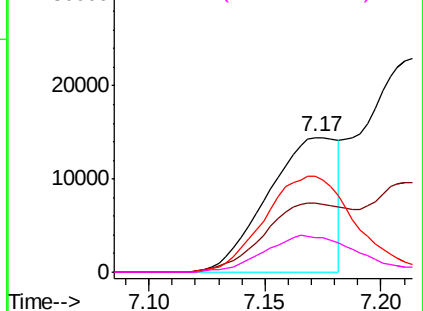
#35
Methacrylonitrile
Concen: 20.471 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. -0.00 min
Lab File: VN056235.D
Acq: 12 Jun 2019 8:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion: 41 Resp: 30329
Ion Ratio Lower Upper
41 100
39 51.4 24.8 74.3
67 71.0 34.3 102.9
52 26.1 12.6 37.8

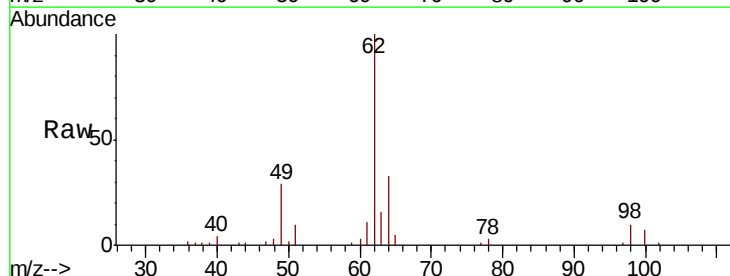


Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 67.00 (66.70 to 67.70): VNO
Ion 52.00 (51.70 to 52.70): VNO

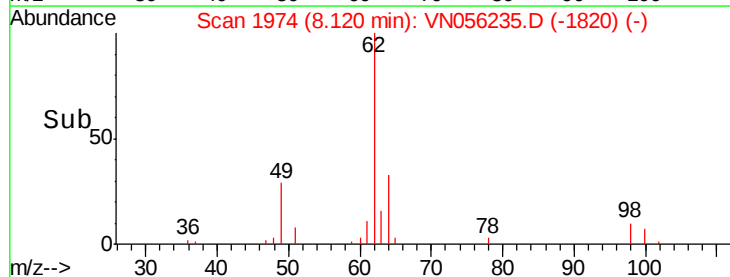
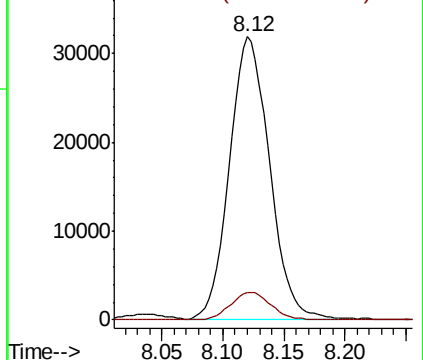


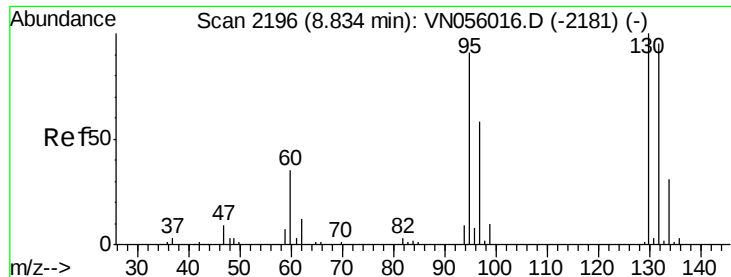
#36
1,2-Dichloroethane
Concen: 21.934 ug/l
RT: 8.12 min Scan# 1974
Delta R.T. -0.00 min
Lab File: VN056235.D
Acq: 12 Jun 2019 8:56

Tgt Ion: 62 Resp: 72958
Ion Ratio Lower Upper
62 100
98 9.7 8.6 13.0



Abundance Ion 62.00 (61.70 to 62.70): VNO
Ion 98.00 (97.70 to 98.70): VNO

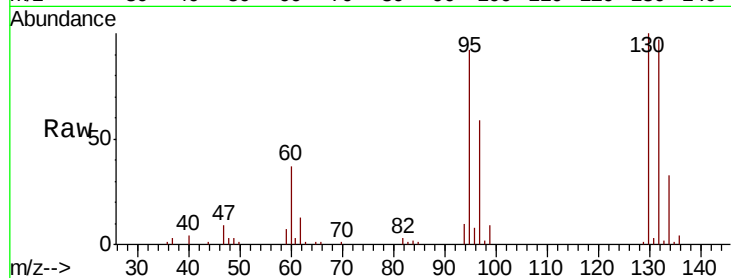




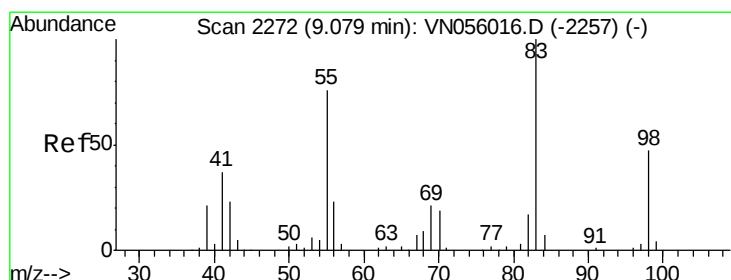
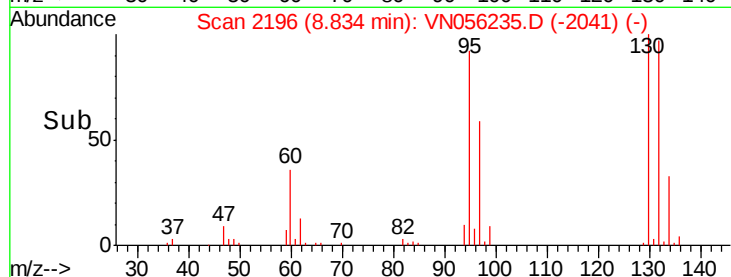
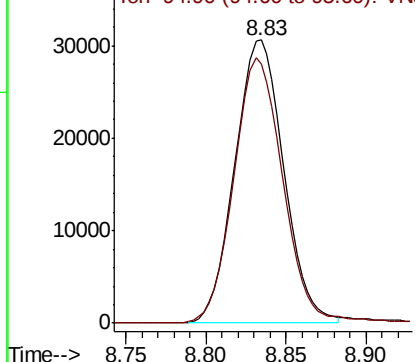
#37
 Trichloroethene
 Concen: 21.595 ug/l
 RT: 8.83 min Scan# 2196
 Delta R.T. -0.00 min
 Lab File: VN056235.D
 Acq: 12 Jun 2019 8:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion:130 Resp: 64169
 Ion Ratio Lower Upper
 130 100
 95 90.9 73.0 109.6

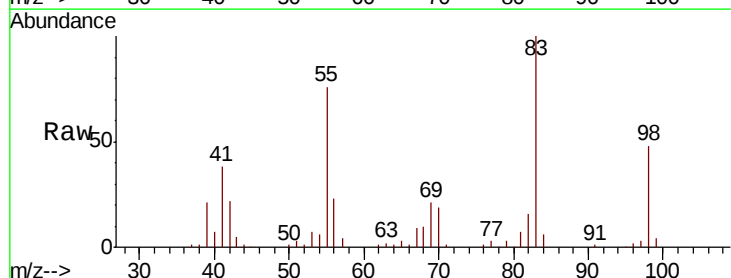


Abundance Ion 129.90 (129.60 to 130.60): VN056016.D (-2181) (-)
 Ion 94.90 (94.60 to 95.60): VN056016.D (-2181) (-)

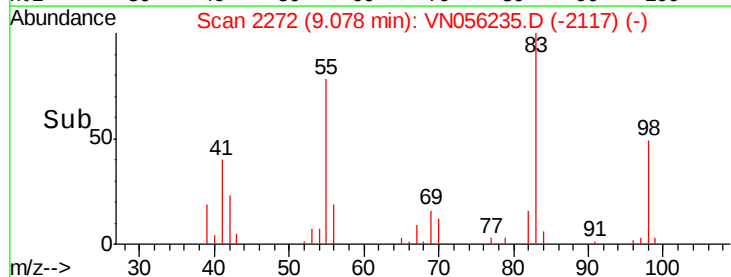
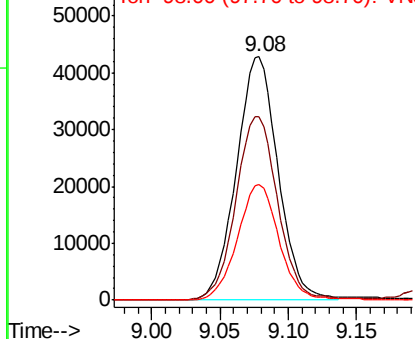


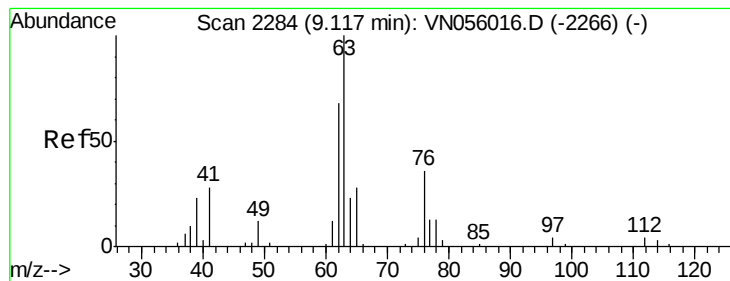
#38
 Methylcyclohexane
 Concen: 21.556 ug/l
 RT: 9.08 min Scan# 2272
 Delta R.T. -0.00 min
 Lab File: VN056235.D
 Acq: 12 Jun 2019 8:56

Tgt Ion: 83 Resp: 91077
 Ion Ratio Lower Upper
 83 100
 55 75.1 37.5 112.7
 98 47.0 23.1 69.3



Abundance Ion 83.00 (82.70 to 83.70): VN056016.D (-2257) (-)
 Ion 55.00 (54.70 to 55.70): VN056016.D (-2257) (-)
 Ion 98.00 (97.70 to 98.70): VN056016.D (-2257) (-)





#39

1,2-Dichloropropane

Concen: 21.719 ug/l

RT: 9.12 min Scan# 2284

Delta R.T. -0.00 min

Lab File: VN056235.D

Acq: 12 Jun 2019 8:56

Instrument :

MSVOA_N

ClientSampled :

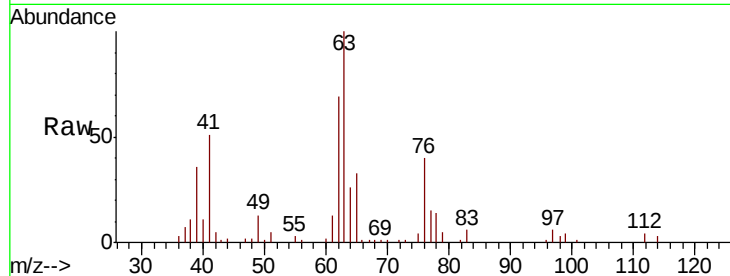
VSTDCCC020

Tot Ion: 63 Resp: 59068

Ion Ratio Lower Upper

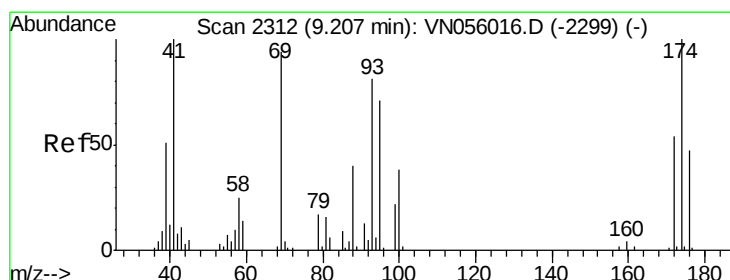
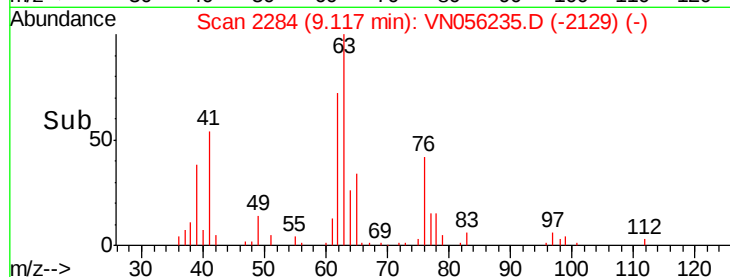
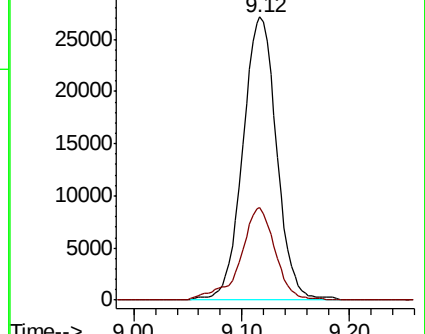
63 100

65 32.6 23.1 34.7



Abundance Ion 63.00 (62.70 to 63.70): VN0

Ion 65.00 (64.70 to 65.70): VN0



#40

Dibromomethane

Concen: 22.240 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. -0.00 min

Lab File: VN056235.D

Acq: 12 Jun 2019 8:56

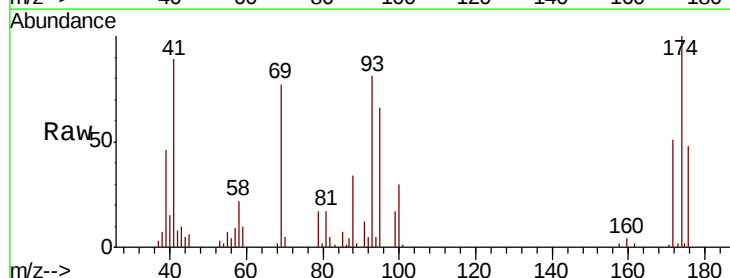
Tgt Ion: 93 Resp: 40105

Ion Ratio Lower Upper

93 100

95 84.4 0.0 169.0

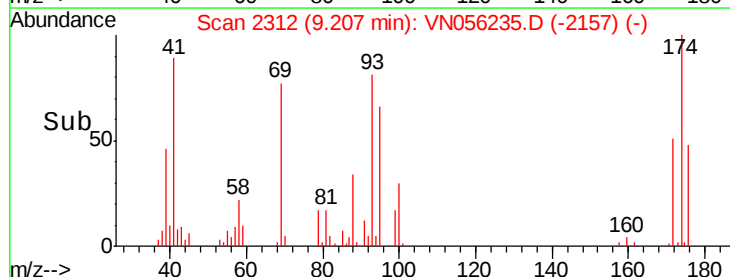
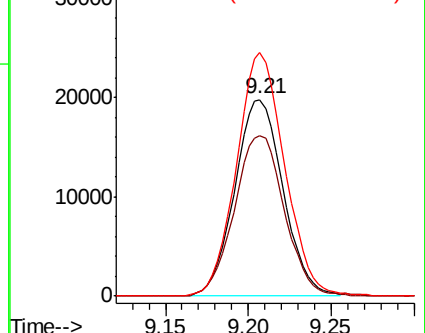
174 123.5 0.0 246.4

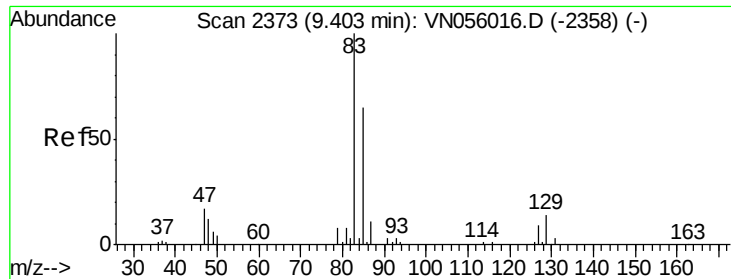


Abundance Ion 93.00 (92.70 to 93.70): VN0

Ion 95.00 (94.70 to 95.70): VN0

Ion 174.00 (173.70 to 174.70): V





#41

Bromodichloromethane

Concen: 23.034 ug/l

RT: 9.40 min Scan# 2372

Delta R.T. -0.00 min

Lab File: VN056235.D

Acq: 12 Jun 2019 8:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

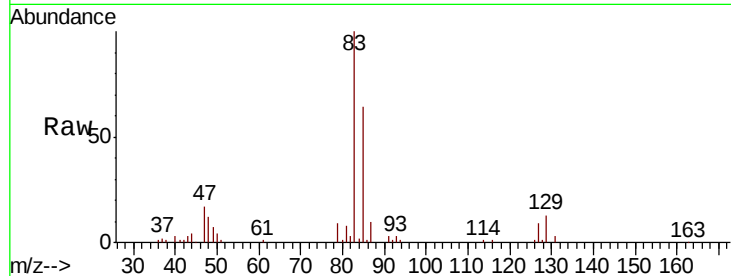
Tot Ion: 83 Resp: 74377

Ion Ratio Lower Upper

83 100

85 64.4 51.8 77.6

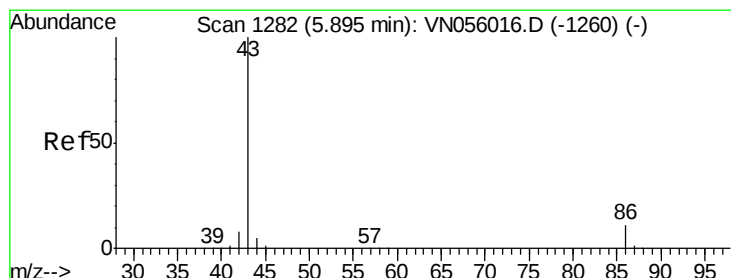
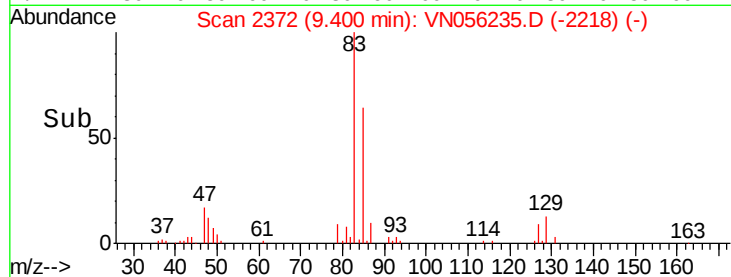
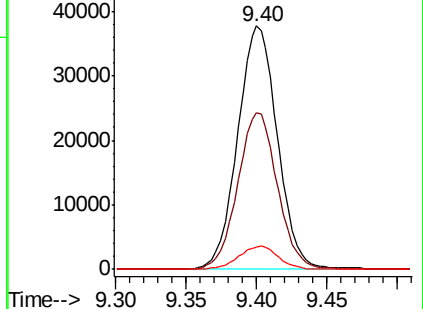
127 9.3 7.3 10.9



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: 102.645 ug/l

RT: 5.89 min Scan# 1281

Delta R.T. -0.00 min

Lab File: VN056235.D

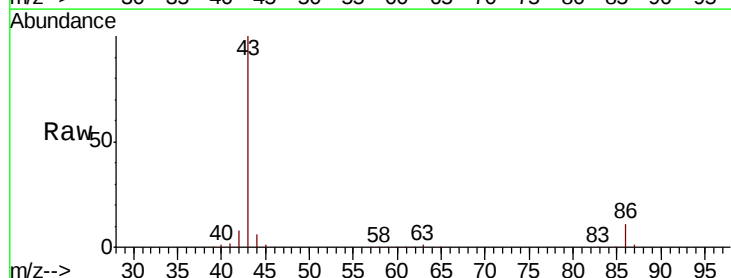
Acq: 12 Jun 2019 8:56

Tgt Ion: 43 Resp: 642064

Ion Ratio Lower Upper

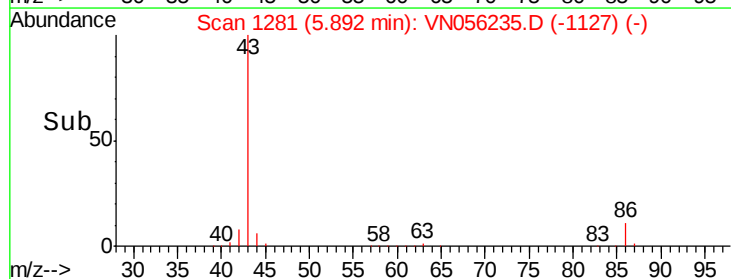
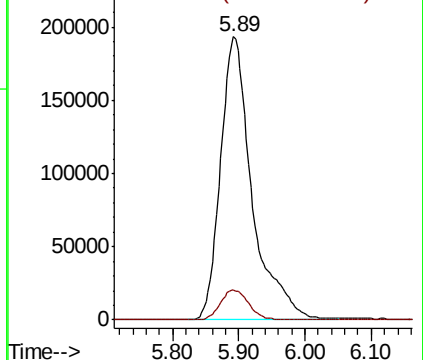
43 100

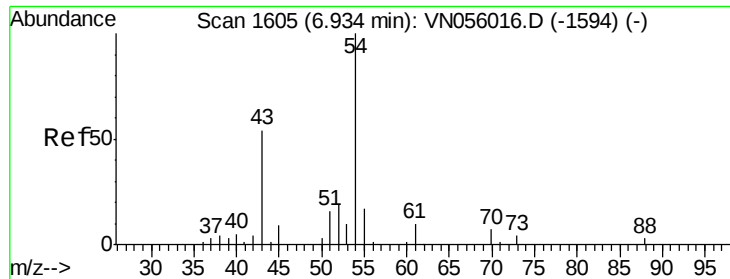
86 9.5 7.9 11.9



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0





#43

Ethyl Acetate

Concen: 20.063 ug/l

RT: 6.93 min Scan# 1604

Delta R.T. -0.00 min

Lab File: VN056235.D

Acq: 12 Jun 2019 8:56

Instrument :

MSVOA_N

ClientSampleId :

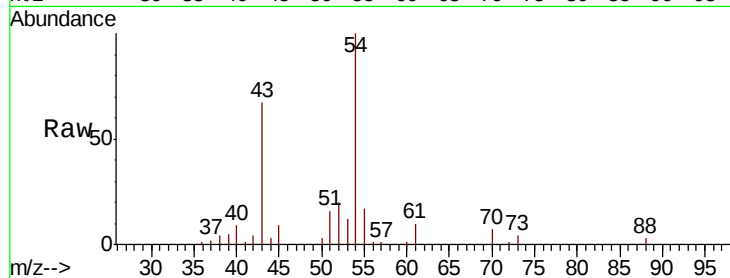
VSTDCCC020

Tot Ion: 43 Resp: 67371

Ion Ratio Lower Upper

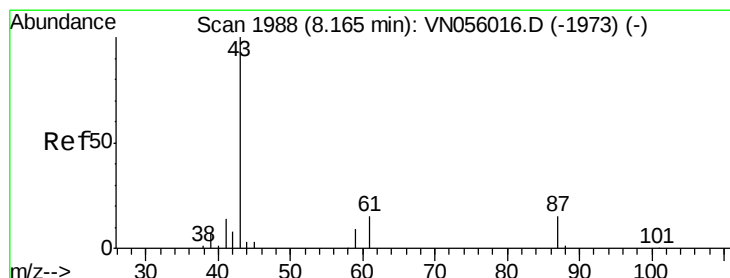
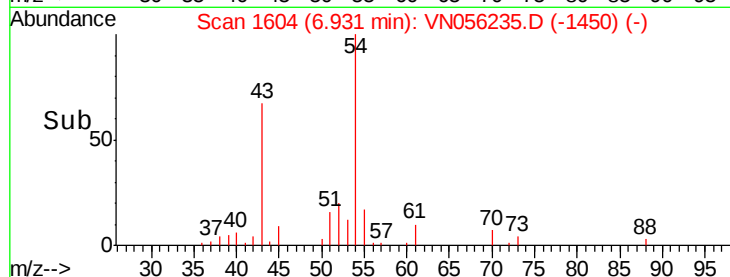
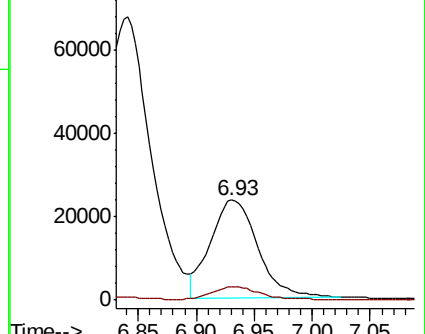
43 100

45 14.0 12.3 18.5



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 45.00 (44.70 to 45.70): VN0



#44

Isopropyl Acetate

Concen: 19.129 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. -0.00 min

Lab File: VN056235.D

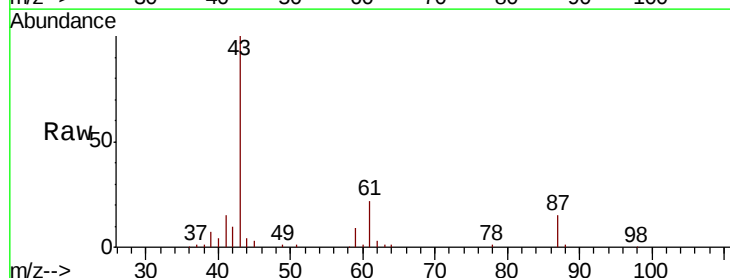
Acq: 12 Jun 2019 8:56

Tgt Ion: 43 Resp: 99731

Ion Ratio Lower Upper

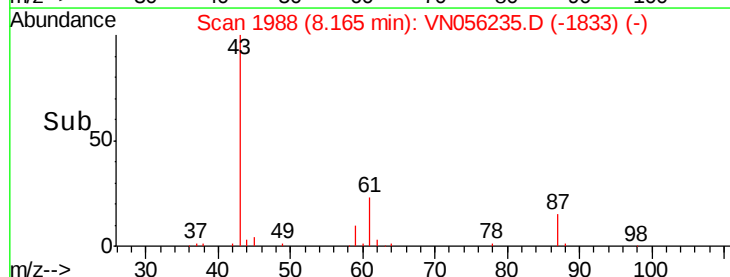
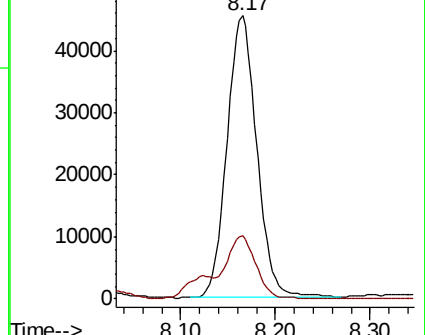
43 100

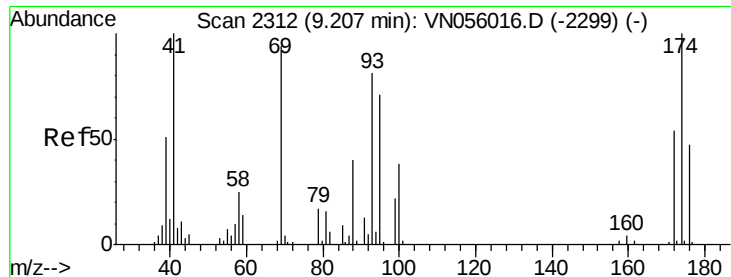
61 22.0 16.9 25.3



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

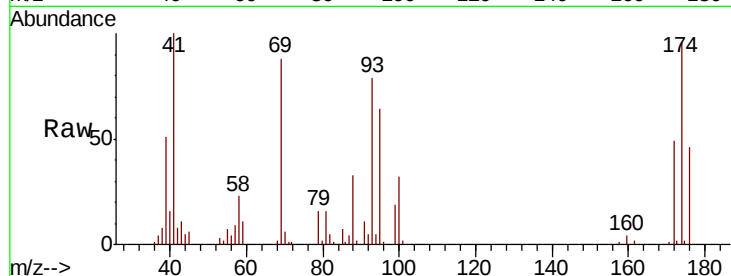




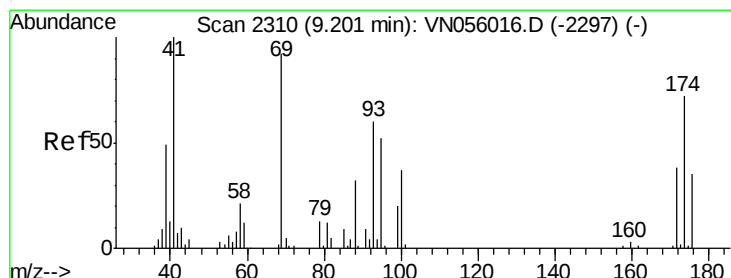
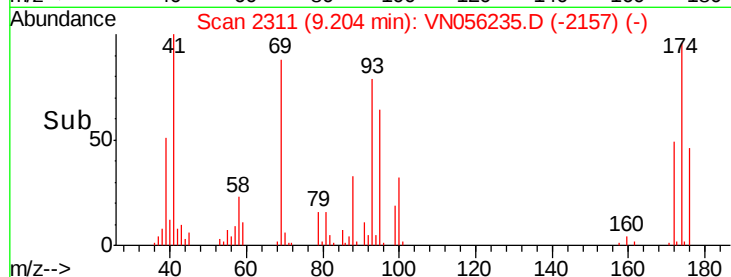
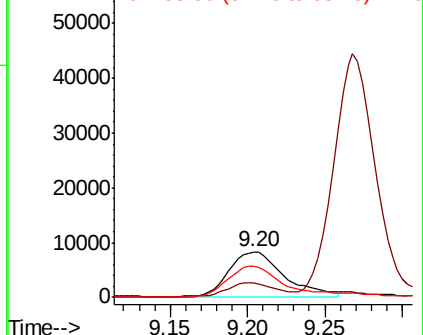
#45
 1,4-Dioxane
 Concen: 374.682 ug/l
 RT: 9.20 min Scan# 2311
 Delta R.T. -0.00 min
 Lab File: VN056235.D
 Acq: 12 Jun 2019 8:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion: 88 Resp: 20897
 Ion Ratio Lower Upper
 88 100
 43 24.2 19.8 29.6
 58 67.1 48.5 72.7

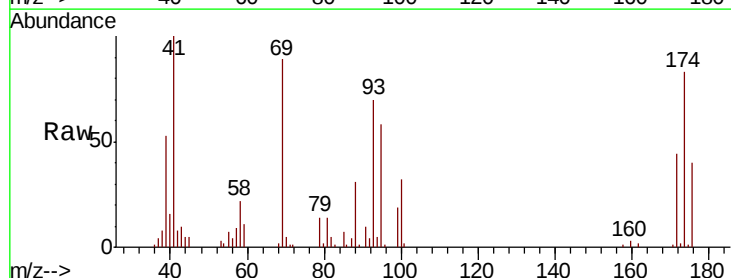


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

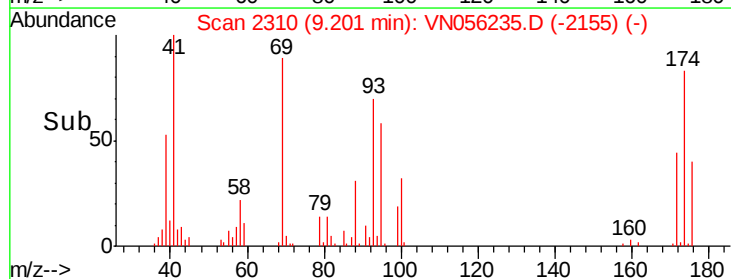
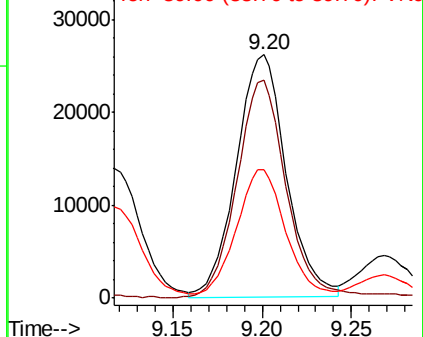


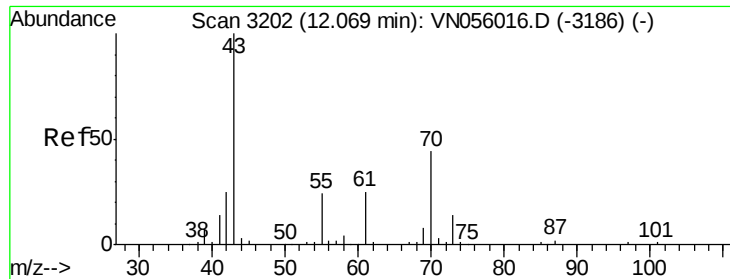
#46
 Methyl methacrylate
 Concen: 19.633 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. -0.00 min
 Lab File: VN056235.D
 Acq: 12 Jun 2019 8:56

Tgt Ion: 41 Resp: 50850
 Ion Ratio Lower Upper
 41 100
 69 90.8 46.0 137.8
 39 52.1 24.6 73.8



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-amvl Acetate

Concen: 18.554 ug/l

RT: 12.07 min Scan# 3201

Delta R.T. -0.00 min

Lab File: VN056235.D

Acq: 12 Jun 2019 8:56

Instrument :

MSVOA_N

ClientSampleId :

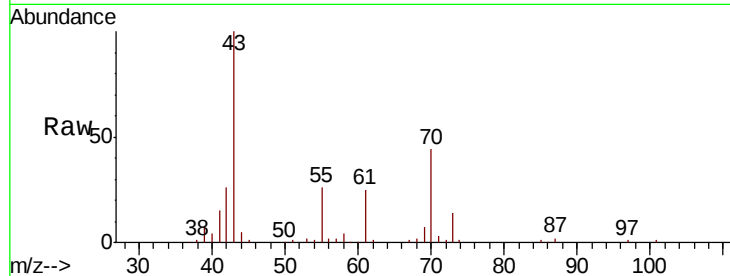
VSTDCCC020

Tot Ion: 43 Resp: 80000

Ion Ratio Lower Upper

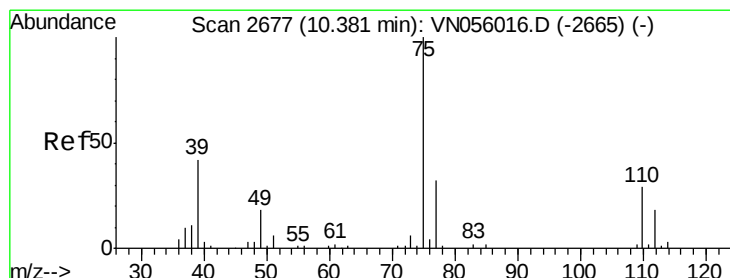
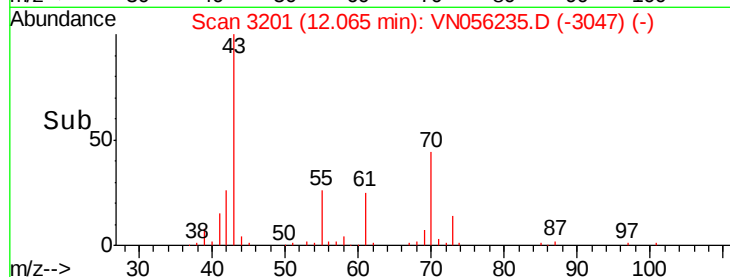
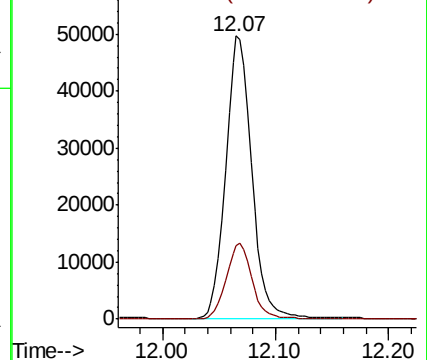
43 100

55 26.4 19.0 28.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#48

t-1,3-Dichloropropene

Concen: 20.061 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. -0.00 min

Lab File: VN056235.D

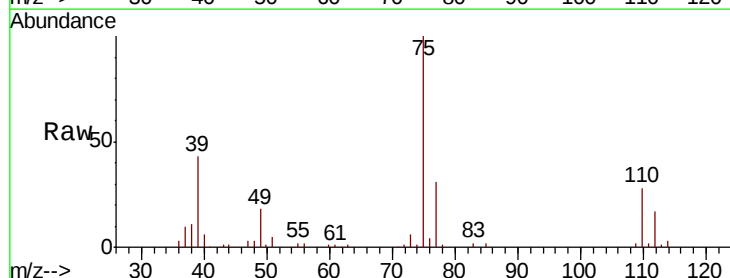
Acq: 12 Jun 2019 8:56

Tgt Ion: 75 Resp: 68171

Ion Ratio Lower Upper

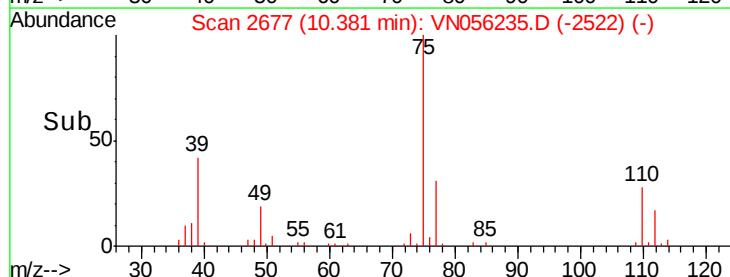
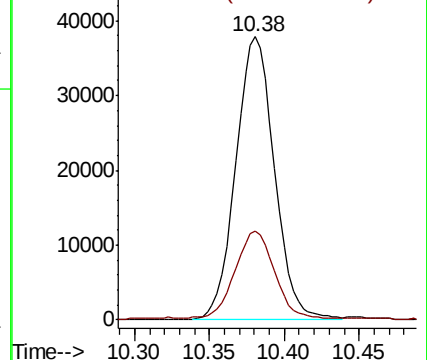
75 100

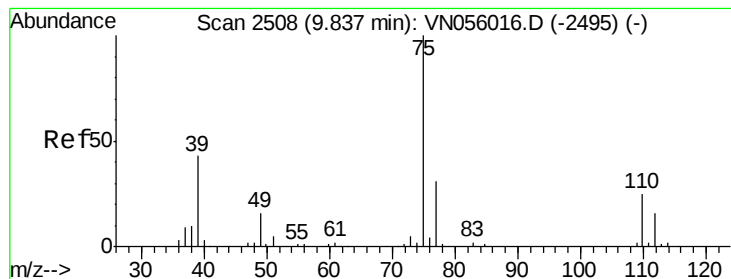
77 31.0 26.0 39.0



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 77.00 (76.70 to 77.70): VN0



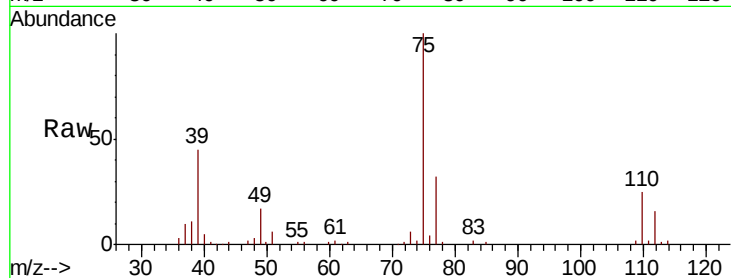


#49

cis-1,3-Dichloropropene
Concen: 20.821 ug/l
RT: 9.84 min Scan# 2508
Delta R.T. -0.00 min
Lab File: VN056235.D
Acq: 12 Jun 2019 8:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.9	25.1	37.7
39	45.1	34.3	51.5

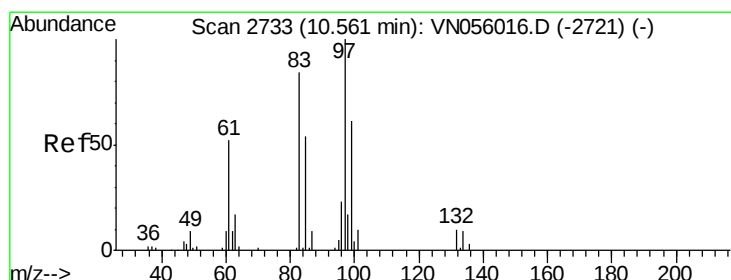
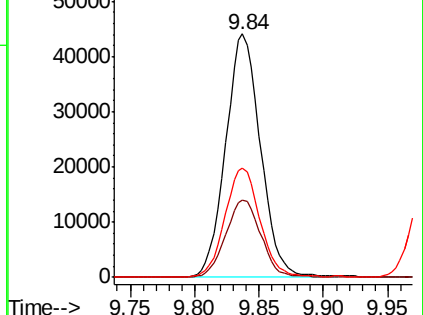
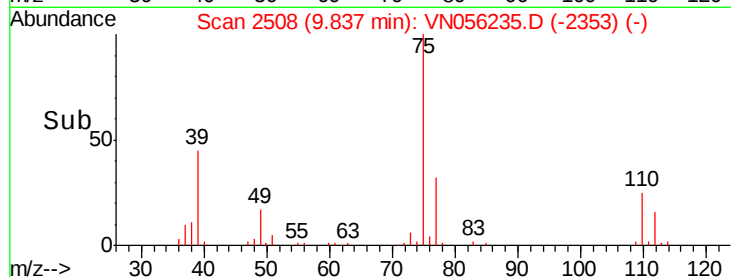


Abundance

Ion 75.00 (74.70 to 75.70): VN0

Ion 77.00 (76.70 to 77.70): VN0

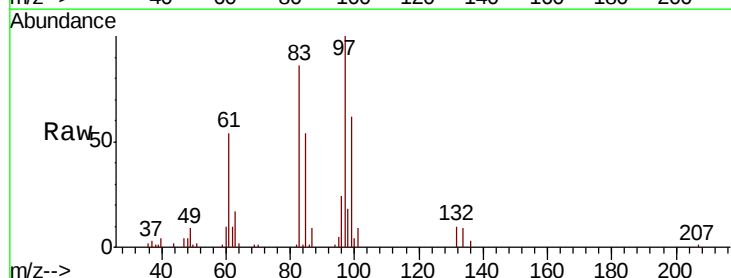
Ion 39.00 (38.70 to 39.70): VN0



#50

1,1,2-Trichloroethane
Concen: 21.528 ug/l
RT: 10.56 min Scan# 2733
Delta R.T. -0.00 min
Lab File: VN056235.D
Acq: 12 Jun 2019 8:56

Tgt Ion	Ratio	Lower	Upper
97	100		
83	85.5	66.9	100.3
85	54.0	43.3	64.9
99	62.1	48.6	73.0



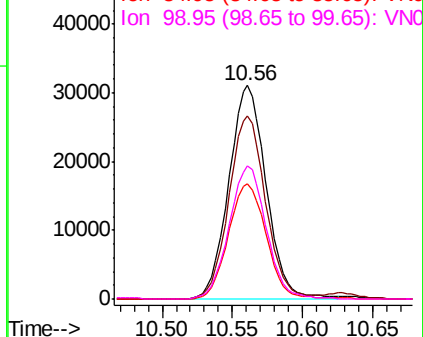
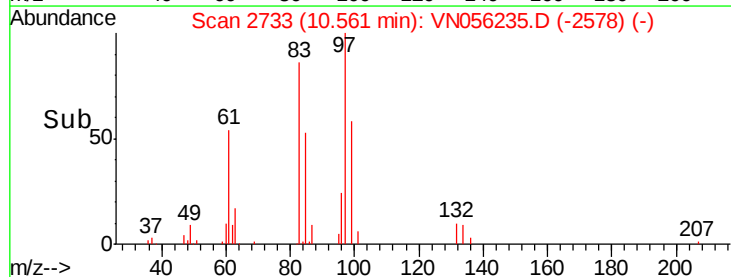
Abundance

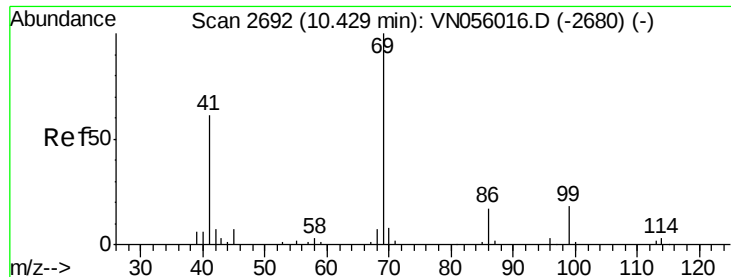
Ion 97.00 (96.70 to 97.70): VN0

Ion 82.95 (82.65 to 83.65): VN0

Ion 84.95 (84.65 to 85.65): VN0

Ion 98.95 (98.65 to 99.65): VN0





#51

Ethyl methacrylate

Concen: 19.179 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. -0.00 min

Lab File: VN056235.D

Acq: 12 Jun 2019 8:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

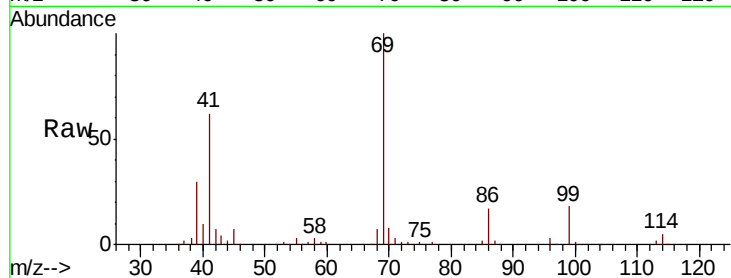
Tot Ion: 69 Resp: 77716

Ion Ratio Lower Upper

69 100

41 61.6 30.8 92.3

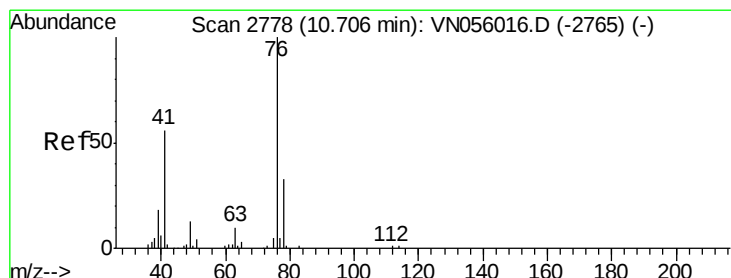
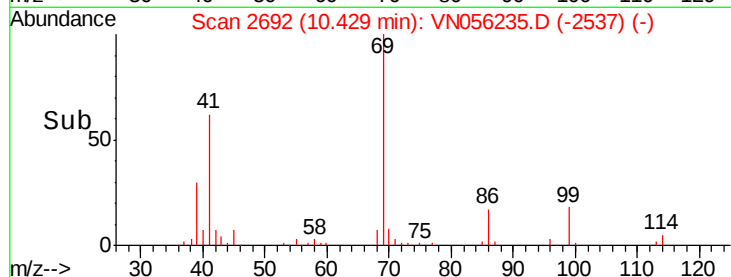
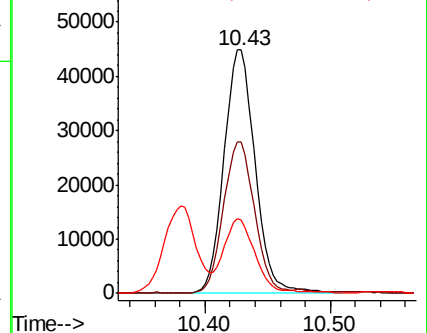
39 29.6 14.5 43.6



Abundance Ion 69.00 (68.70 to 69.70): VN056016.D (-2680) (-)

Ion 41.00 (40.70 to 41.70): VN056016.D (-2680) (-)

Ion 39.00 (38.70 to 39.70): VN056016.D (-2680) (-)



#52

1,3-Dichloropropane

Concen: 21.250 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. -0.00 min

Lab File: VN056235.D

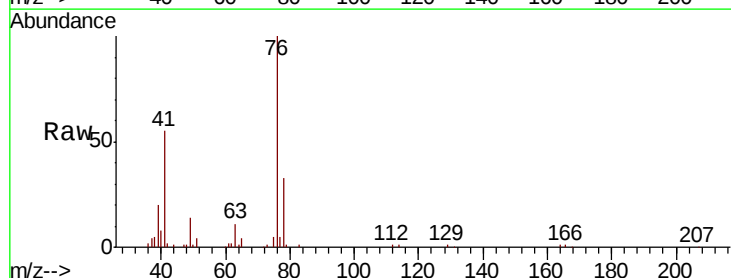
Acq: 12 Jun 2019 8:56

Tgt Ion: 76 Resp: 92269

Ion Ratio Lower Upper

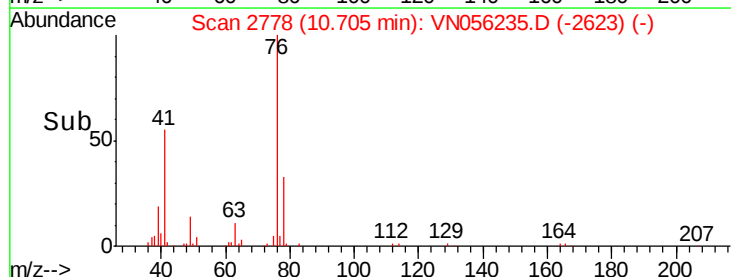
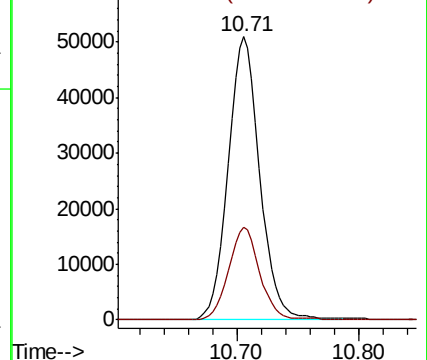
76 100

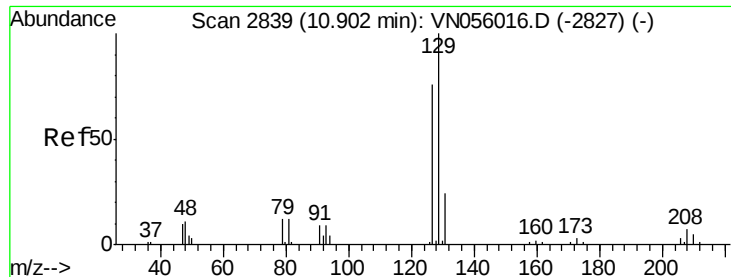
78 32.3 0.0 63.4



Abundance Ion 76.00 (75.70 to 76.70): VN056016.D (-2765) (-)

Ion 78.00 (77.70 to 78.70): VN056016.D (-2765) (-)

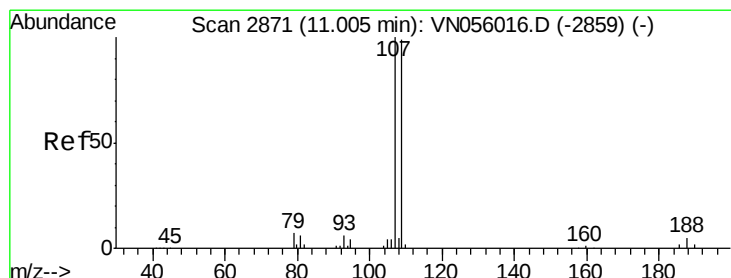
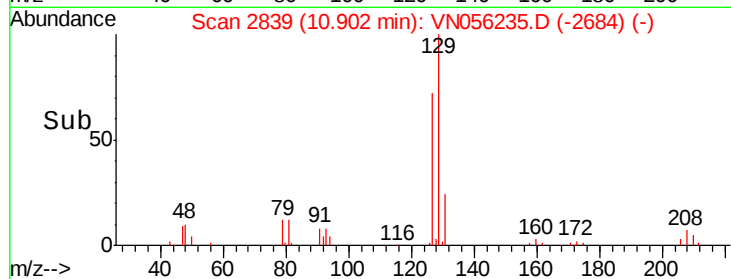
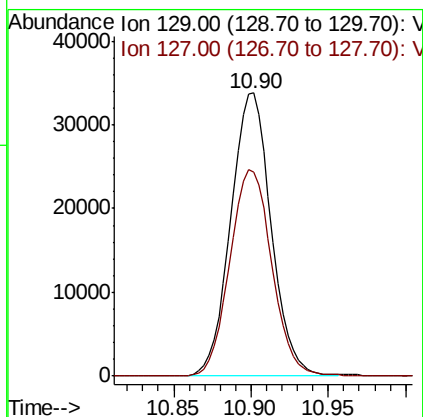
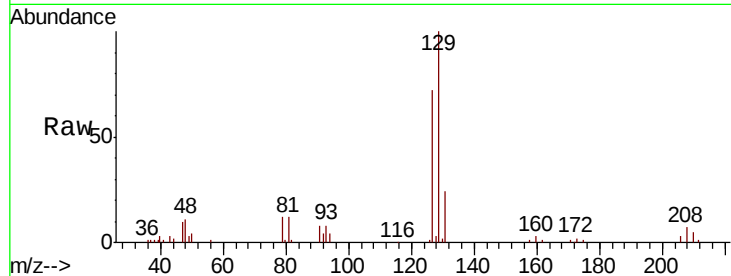




#53
Dibromochloromethane
Concen: 23.428 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN056235.D
Acq: 12 Jun 2019 8:56

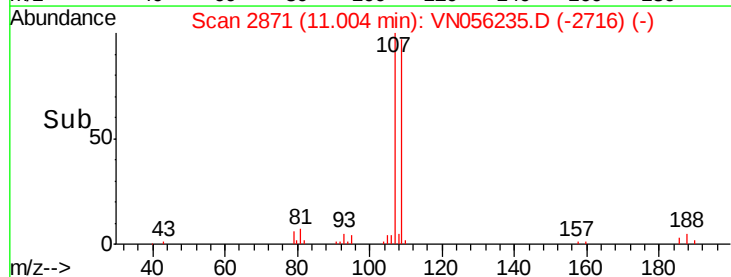
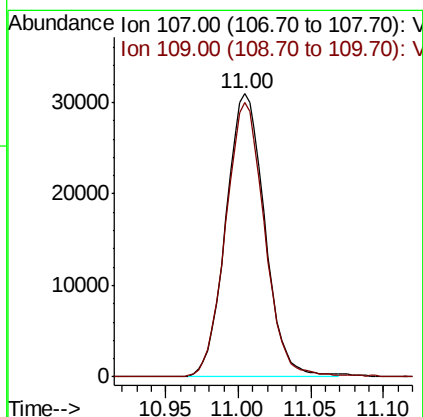
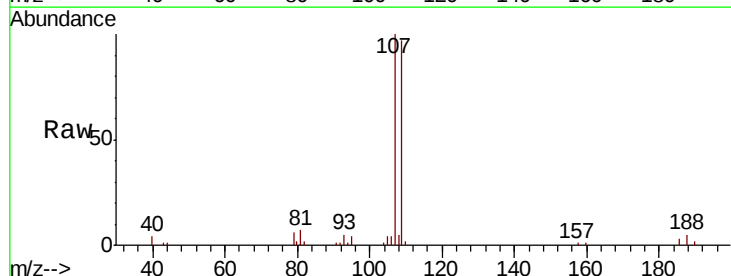
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

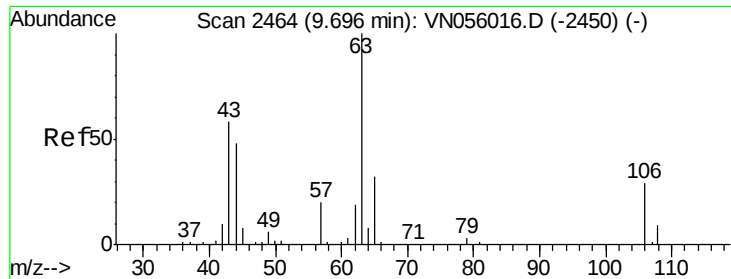
Tot Ion:129 Resp: 61424
Ion Ratio Lower Upper
129 100
127 75.6 39.1 117.5



#54
1,2-Dibromoethane
Concen: 20.620 ug/l
RT: 11.00 min Scan# 2871
Delta R.T. -0.00 min
Lab File: VN056235.D
Acq: 12 Jun 2019 8:56

Tgt Ion:107 Resp: 57631
Ion Ratio Lower Upper
107 100
109 97.0 76.8 115.2

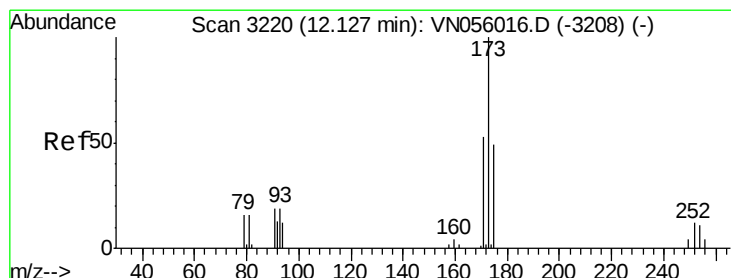
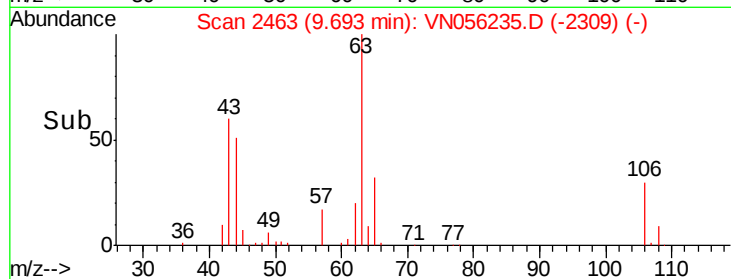
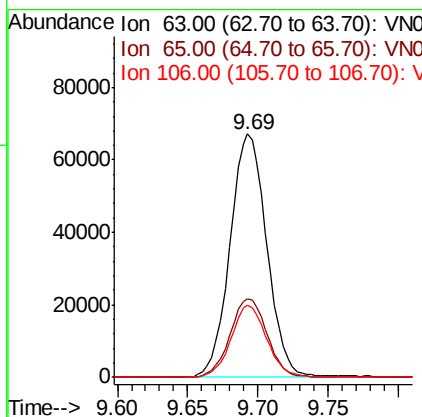
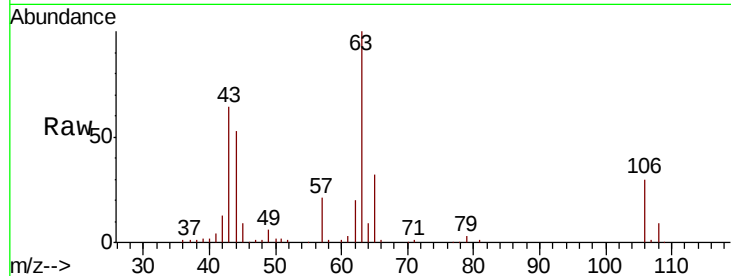




#55
2-Chloroethyl vinyl ether
Concen: 86.473 ug/l
RT: 9.69 min Scan# 2463
Delta R.T. -0.00 min
Lab File: VN056235.D
Acq: 12 Jun 2019 8:56

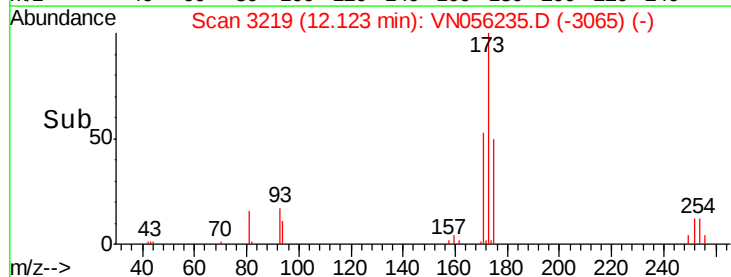
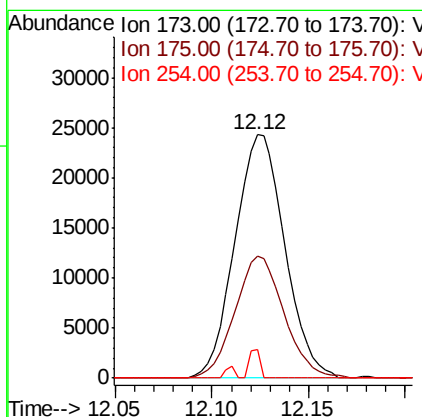
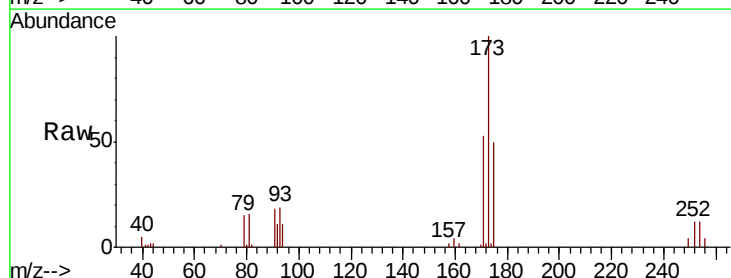
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

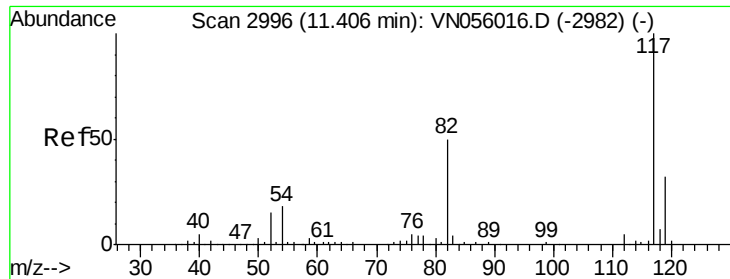
Tot Ion: 63 Resp: 122732
Ion Ratio Lower Upper
63 100
65 32.3 25.5 38.3
106 28.7 23.0 34.4



#56
Bromoform
Concen: 22.996 ug/l
RT: 12.12 min Scan# 3219
Delta R.T. -0.00 min
Lab File: VN056235.D
Acq: 12 Jun 2019 8:56

Tgt Ion: 173 Resp: 43618
Ion Ratio Lower Upper
173 100
175 49.3 38.7 58.1
254 2.5 6.6 9.8#

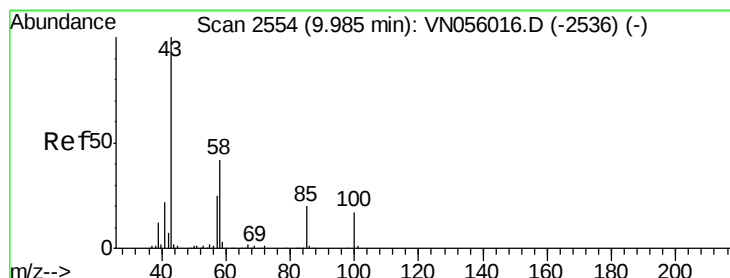
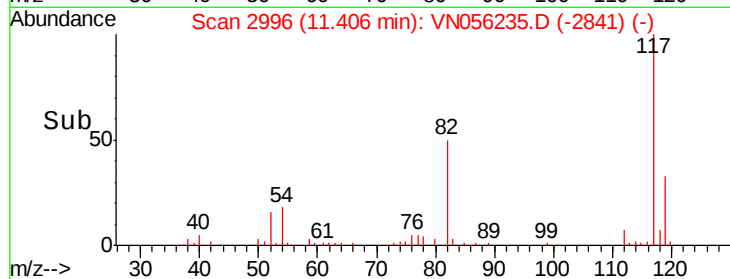
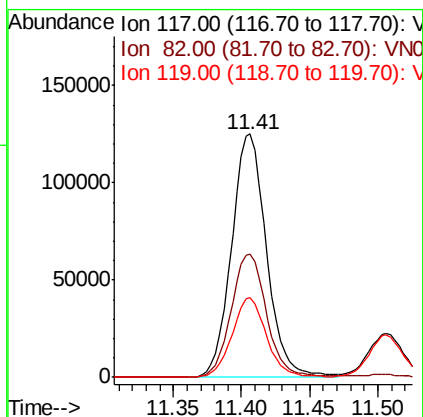
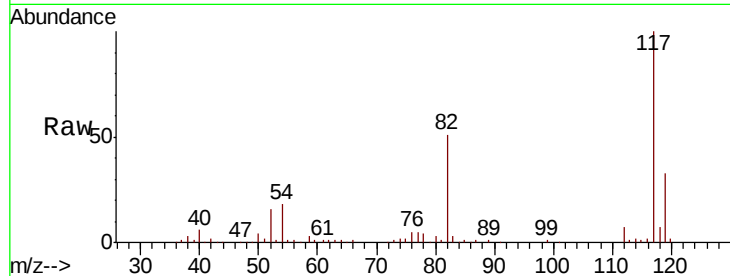




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN056235.D
Acq: 12 Jun 2019 8:56

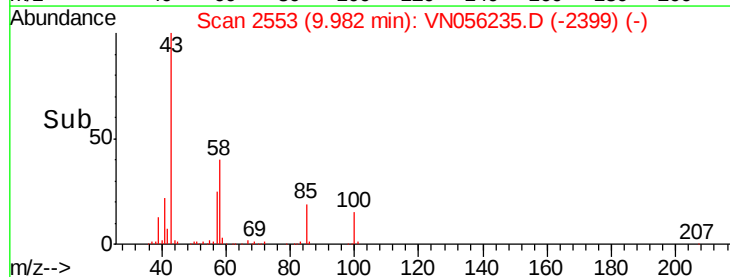
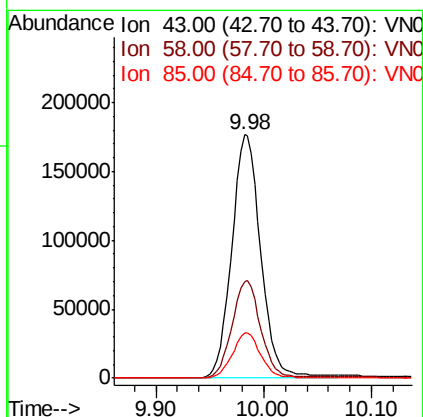
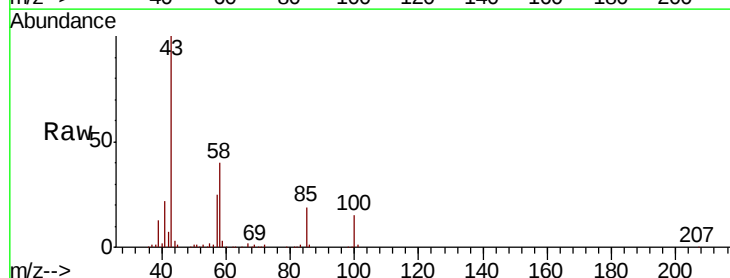
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

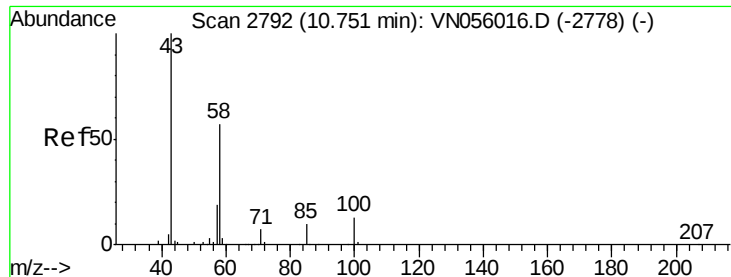
Tot Ion:117 Resp: 223039
Ion Ratio Lower Upper
117 100
82 51.4 41.2 61.8
119 32.3 26.2 39.2



#58
4-Methyl-2-Pentanone
Concen: 98.337 ug/l
RT: 9.98 min Scan# 2553
Delta R.T. -0.00 min
Lab File: VN056235.D
Acq: 12 Jun 2019 8:56

Tgt Ion: 43 Resp: 332119
Ion Ratio Lower Upper
43 100
58 39.4 33.1 49.7
85 18.1 15.5 23.3

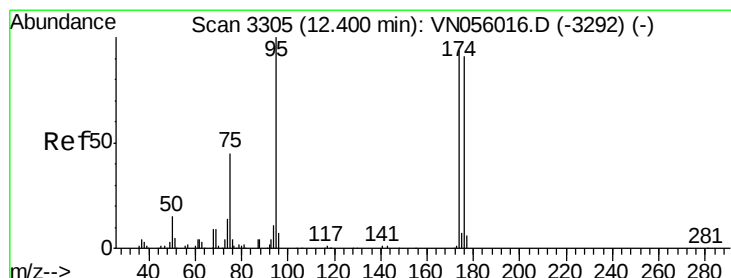
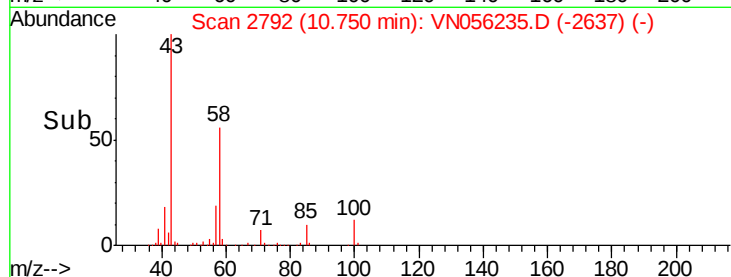
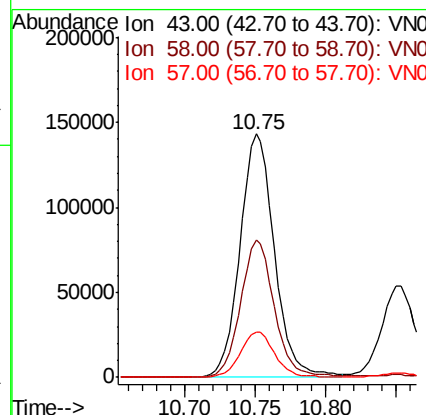
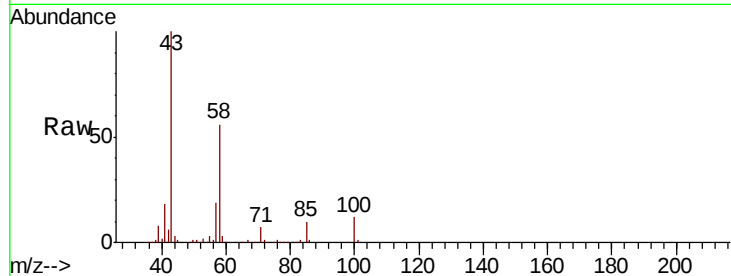




#59
2-Hexanone
Concen: 101.445 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN056235.D
Acq: 12 Jun 2019 8:56

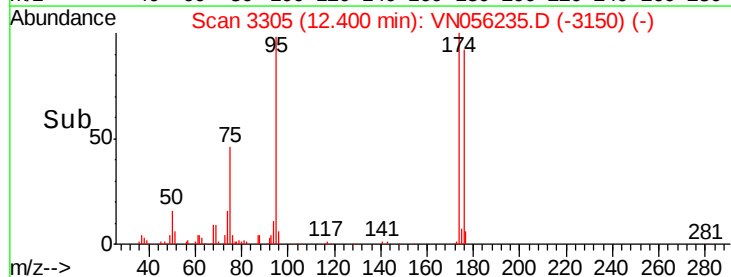
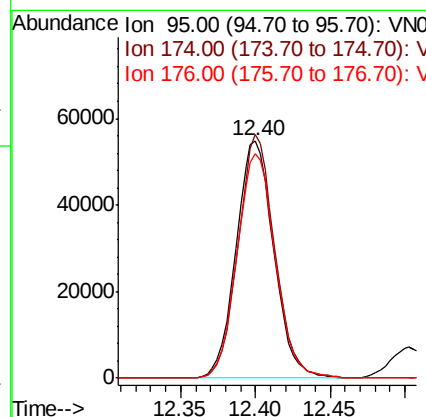
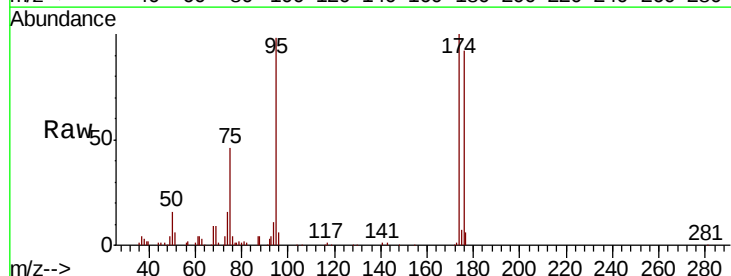
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

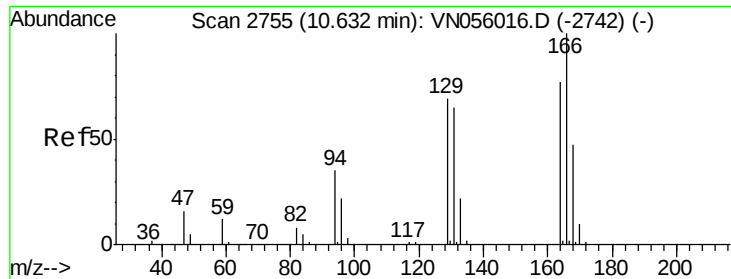
Tot Ion	43	Resp	244885
Ion Ratio	Lower	Upper	
43	100		
58	55.5	45.3	67.9
57	18.7	15.6	23.4



#60
4-Bromofluorobenzene
Concen: 29.056 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN056235.D
Acq: 12 Jun 2019 8:56

Tgt Ion	95	Resp	96057
Ion Ratio	Lower	Upper	
95	100		
174	99.8	75.4	113.0
176	95.8	73.9	110.9

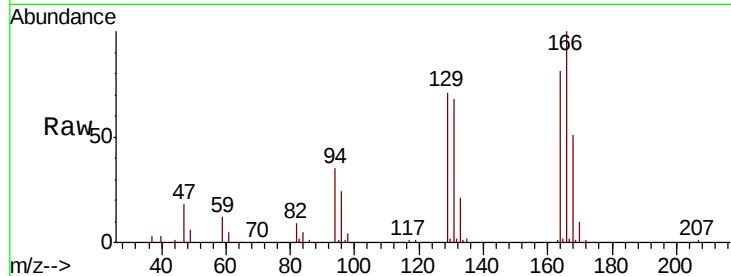




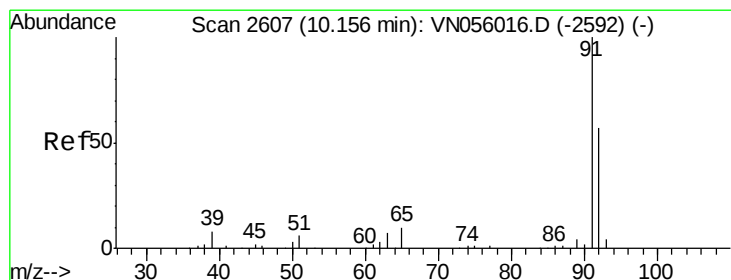
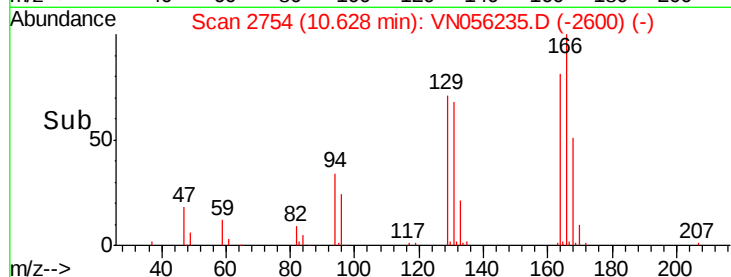
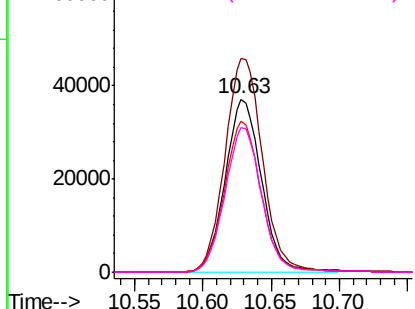
#61
Tetrachloroethene
Concen: 22.117 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. -0.00 min
Lab File: VN056235.D
Acq: 12 Jun 2019 8:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion:164 Resp: 68751
Ion Ratio Lower Upper
164 100
166 123.1 104.3 156.5
129 86.7 71.5 107.3
131 83.8 67.7 101.5

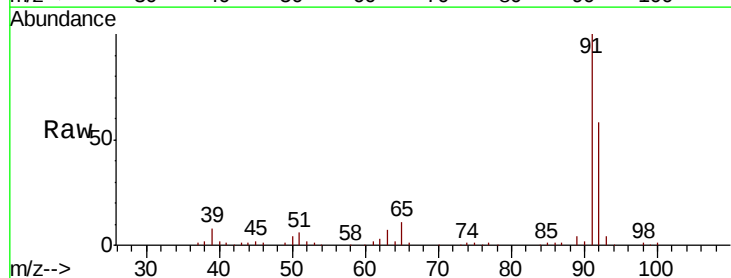


Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.90 (128.60 to 129.60): V
Ion 130.90 (130.60 to 131.60): V

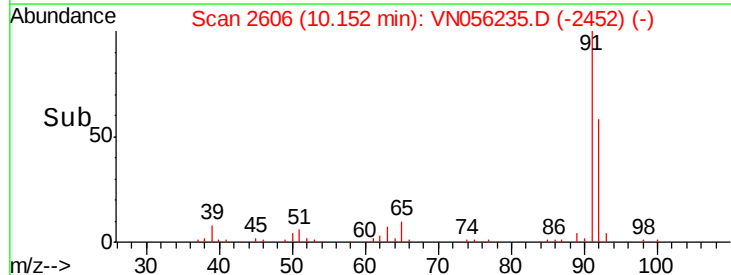
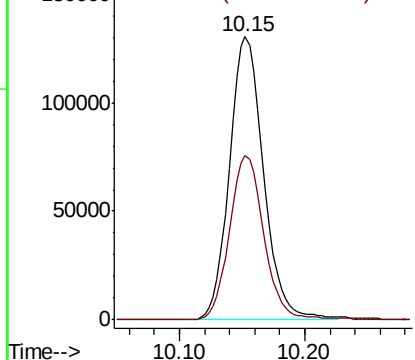


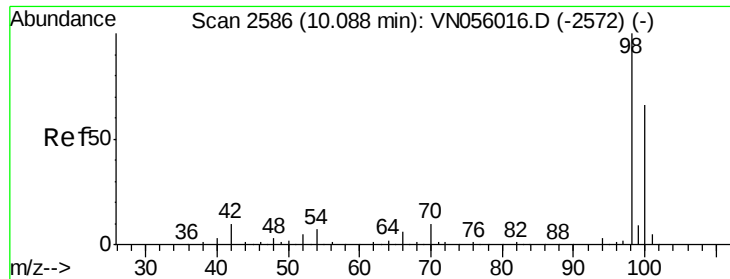
#62
Toluene
Concen: 20.474 ug/l
RT: 10.15 min Scan# 2606
Delta R.T. -0.00 min
Lab File: VN056235.D
Acq: 12 Jun 2019 8:56

Tgt Ion: 91 Resp: 246520
Ion Ratio Lower Upper
91 100
92 58.6 45.5 68.3



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

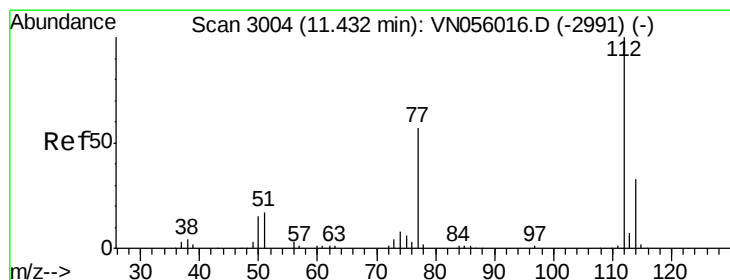
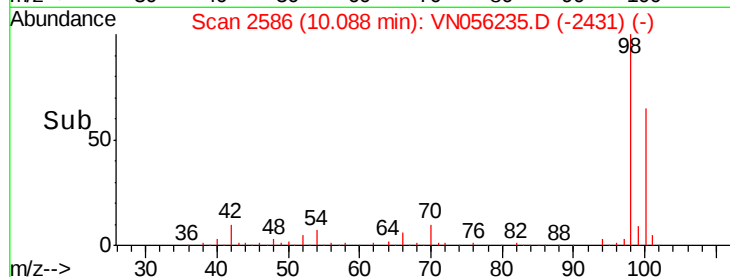
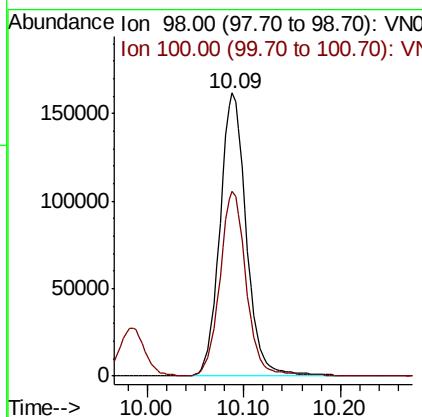
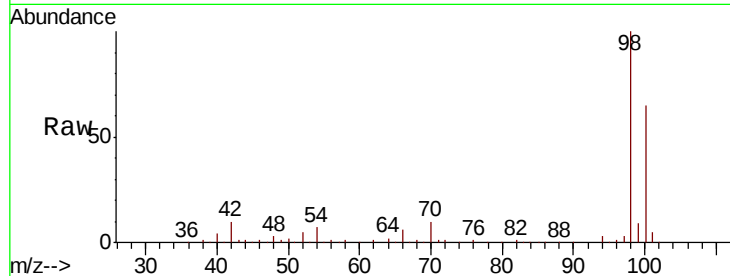




#63
Toluene-d8
Concen: 30.321 ug/l
RT: 10.09 min Scan# 2586
Delta R.T. -0.00 min
Lab File: VN056235.D
Acq: 12 Jun 2019 8:56

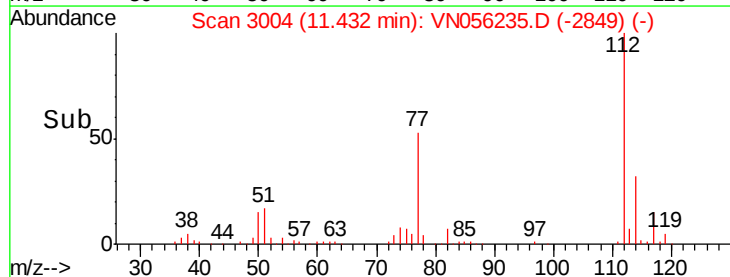
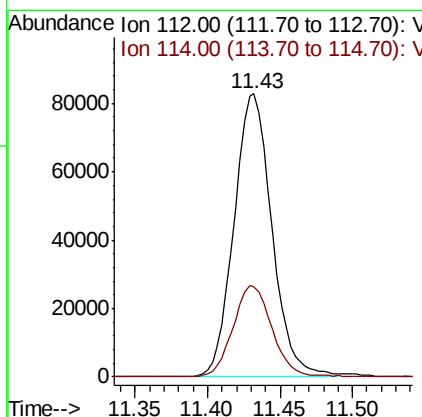
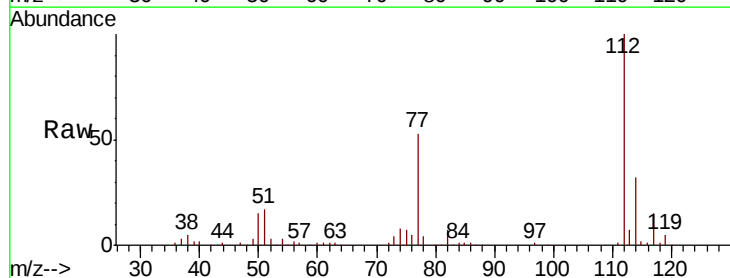
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

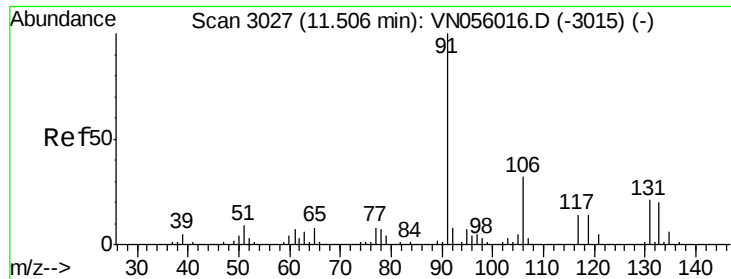
Tot Ion: 98 Resp: 306781
Ion Ratio Lower Upper
98 100
100 63.7 52.2 78.4



#64
Chlorobenzene
Concen: 20.653 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN056235.D
Acq: 12 Jun 2019 8:56

Tgt Ion: 112 Resp: 150838
Ion Ratio Lower Upper
112 100
114 32.0 26.1 39.1

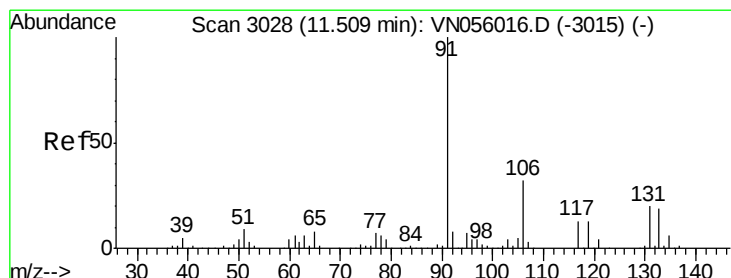
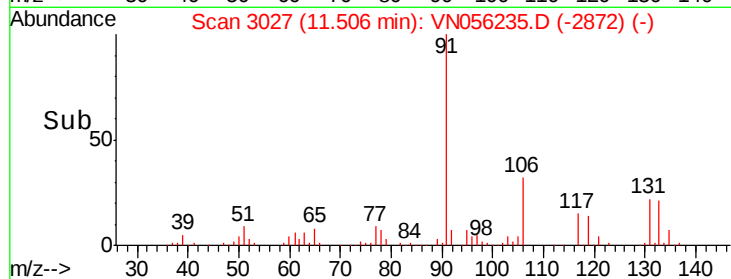
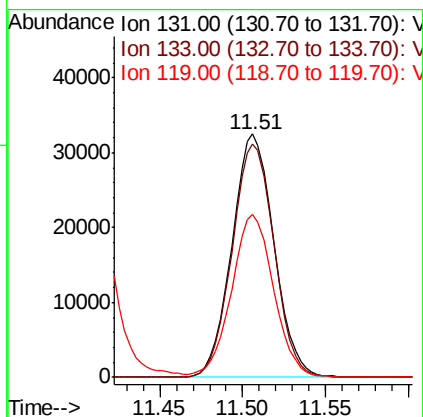
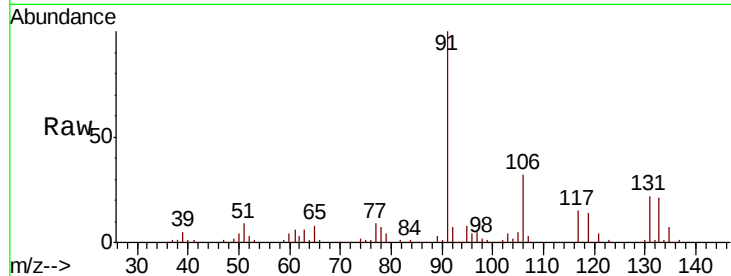




#65
1,1,1,2-Tetrachloroethane
Concen: 21.728 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN056235.D
Acq: 12 Jun 2019 8:56

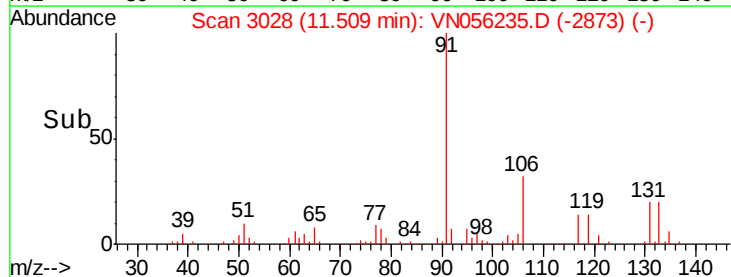
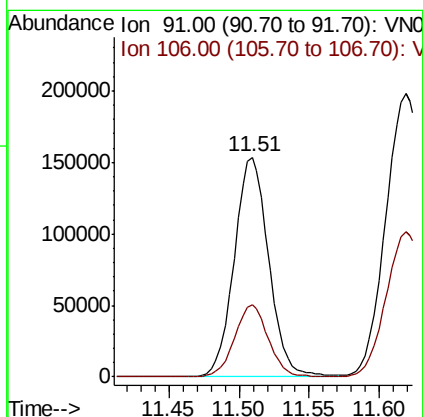
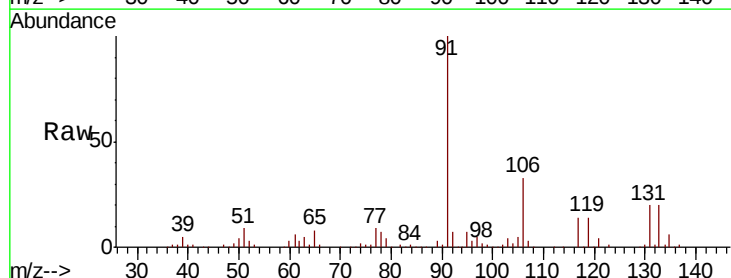
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

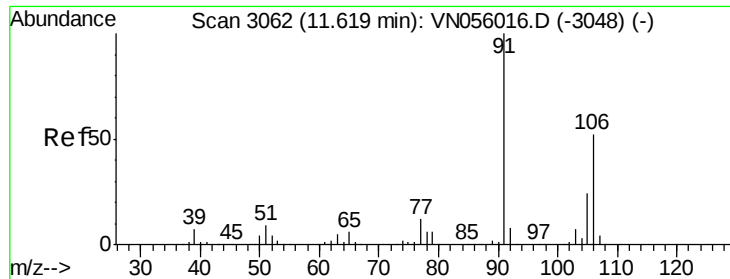
Tot Ion:131 Resp: 57221
Ion Ratio Lower Upper
131 100
133 96.0 0.0 193.8
119 67.2 0.0 134.4



#66
Ethyl Benzene
Concen: 20.544 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN056235.D
Acq: 12 Jun 2019 8:56

Tgt Ion: 91 Resp: 263460
Ion Ratio Lower Upper
91 100
106 33.0 25.7 38.5

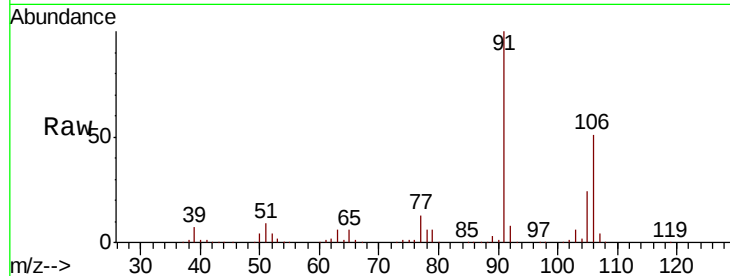




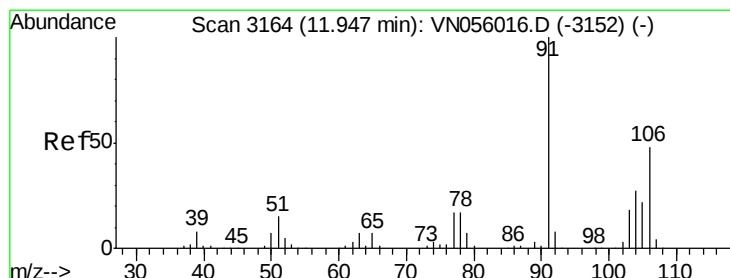
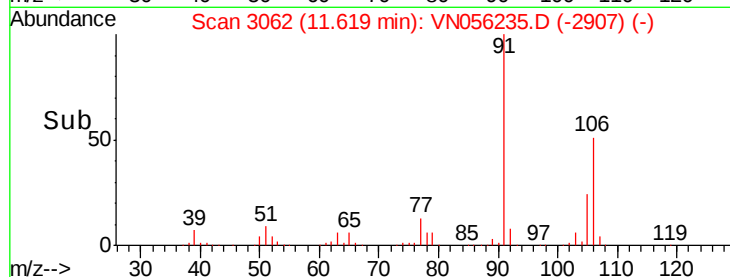
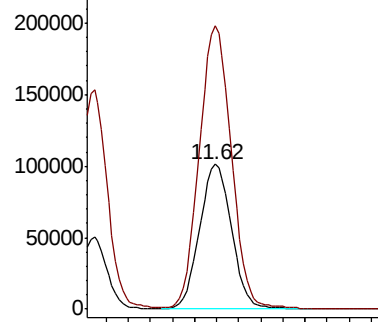
#67
m/p-Xylenes
Concen: 41.682 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN056235.D
Acq: 12 Jun 2019 8:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion:106 Resp: 204604
Ion Ratio Lower Upper
106 100
91 196.0 155.7 233.5

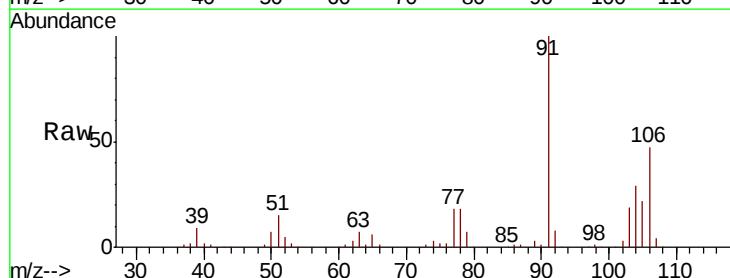


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

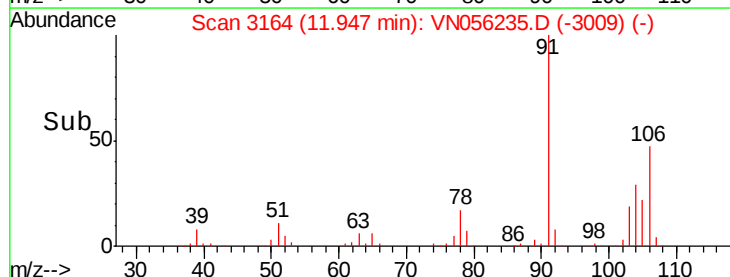
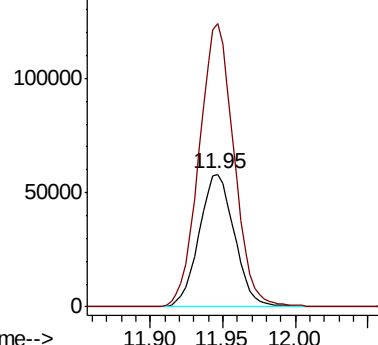


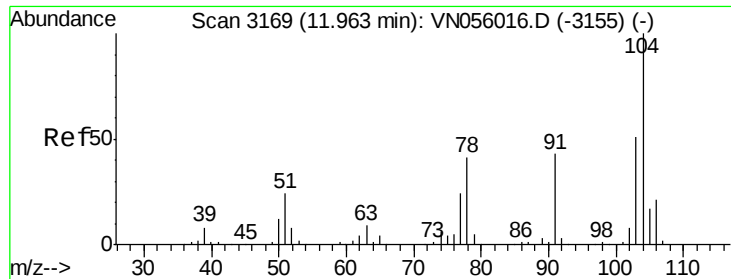
#68
o-Xylene
Concen: 20.461 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN056235.D
Acq: 12 Jun 2019 8:56

Tgt Ion:106 Resp: 98328
Ion Ratio Lower Upper
106 100
91 210.4 103.9 311.7



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

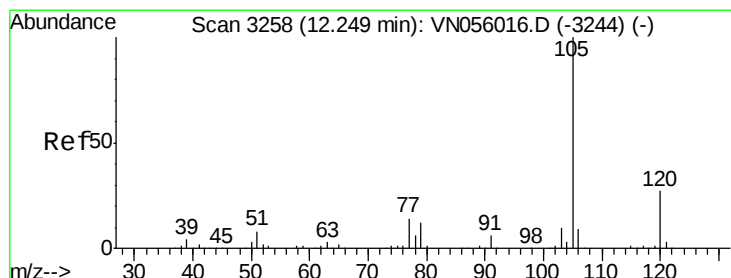
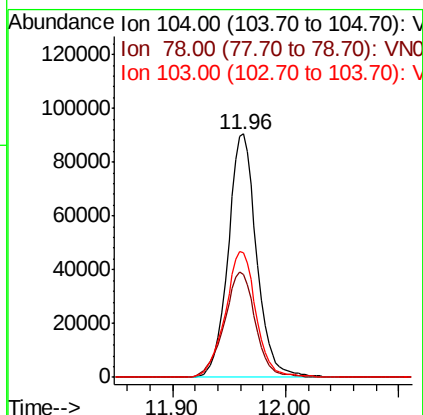
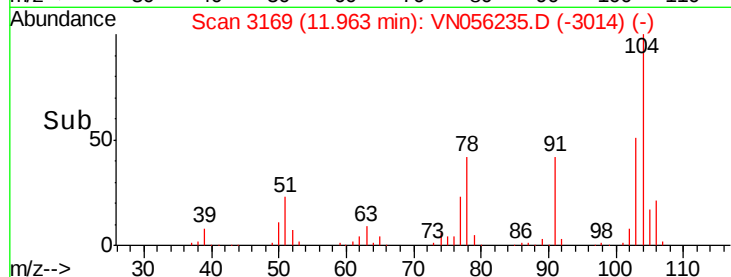
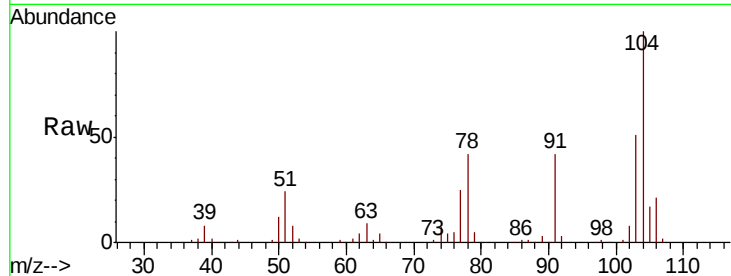




#69
Stvrene
Concen: 20.275 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN056235.D
Acq: 12 Jun 2019 8:56

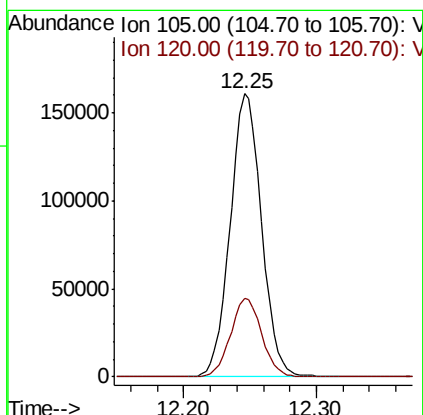
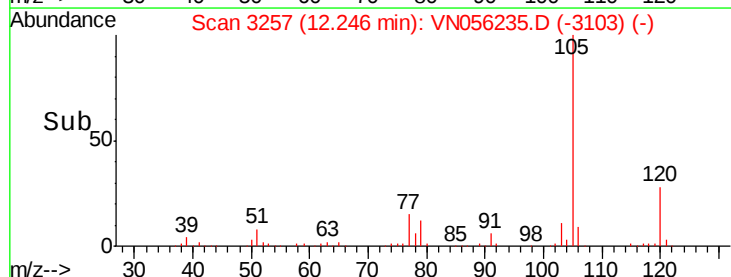
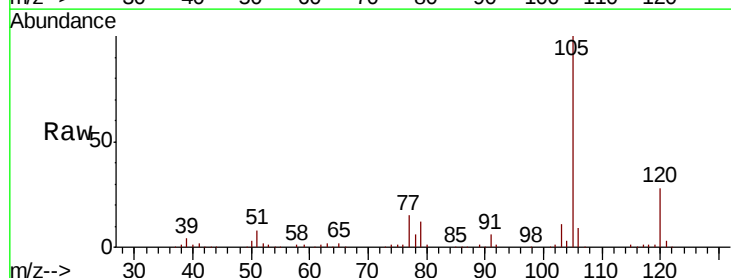
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

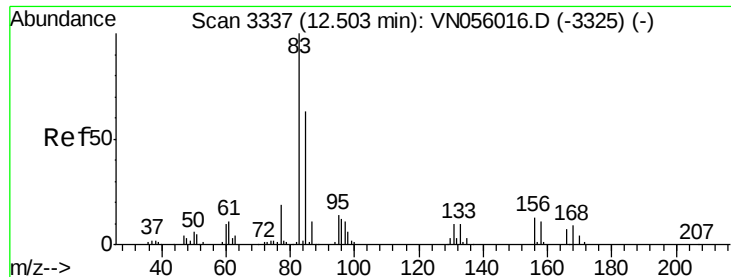
Tot Ion:104 Resp: 158303
Ion Ratio Lower Upper
104 100
78 47.4 37.0 55.6
103 55.9 44.4 66.6



#70
Isopropylbenzene
Concen: 21.026 ug/l
RT: 12.25 min Scan# 3257
Delta R.T. -0.00 min
Lab File: VN056235.D
Acq: 12 Jun 2019 8:56

Tgt Ion:105 Resp: 263997
Ion Ratio Lower Upper
105 100
120 27.6 19.3 35.8

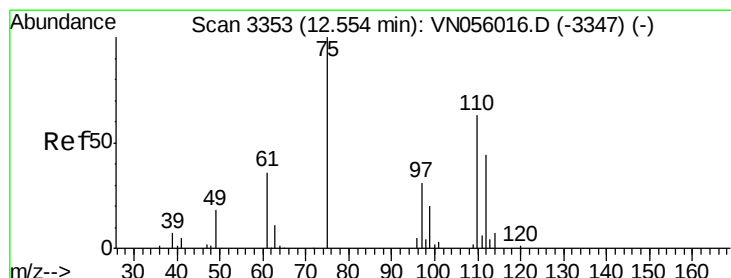
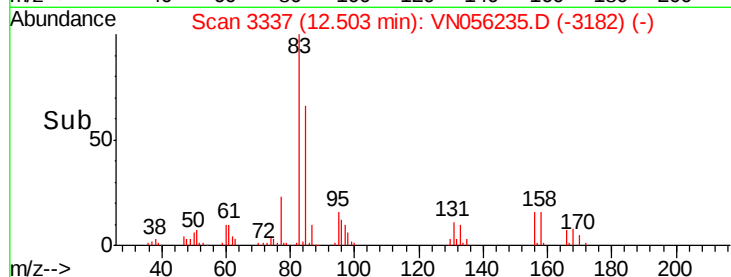
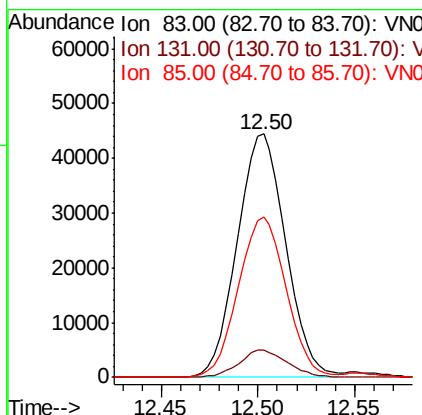
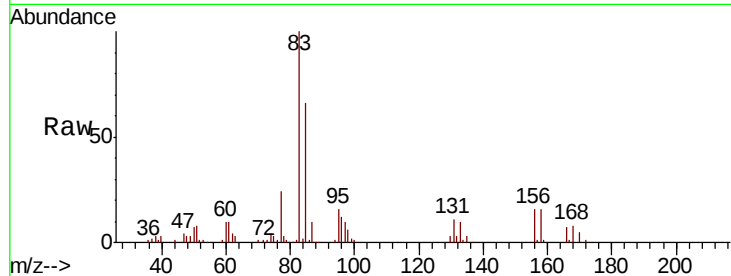




#71
 1,1,2,2-Tetrachloroethane
 Concen: 20.487 ug/l
 RT: 12.50 min Scan# 3337
 Delta R.T. -0.00 min
 Lab File: VN056235.D
 Acq: 12 Jun 2019 8:56

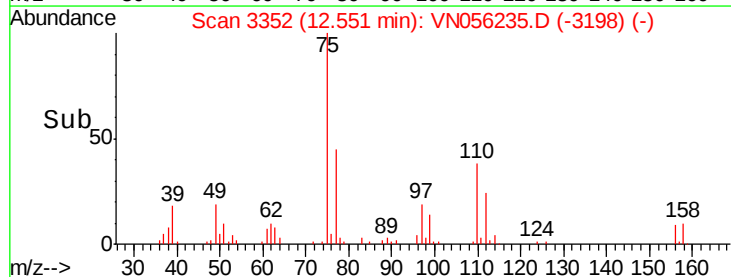
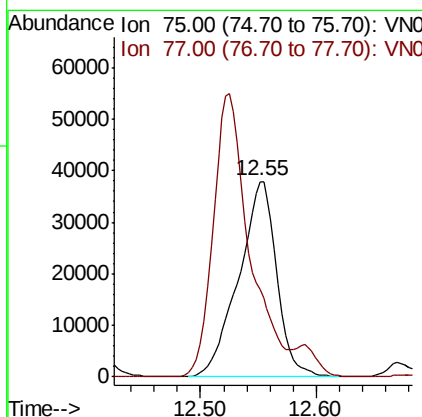
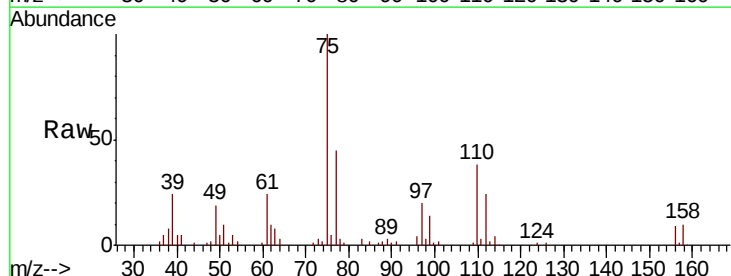
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

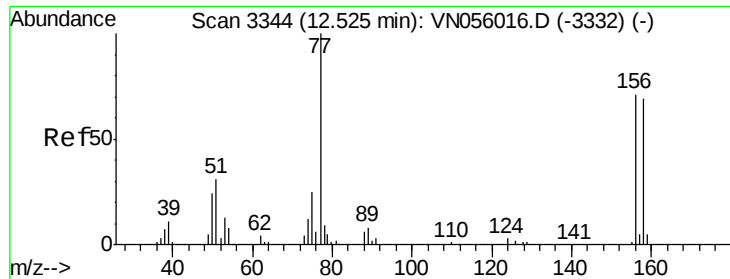
Tot Ion	83	Resp	77552
Ion Ratio	Lower	Upper	
83	100		
131	11.1	5.2	15.6
85	65.0	31.6	94.7



#72
 1,2,3-Trichloropropane
 Concen: 26.475 ug/l
 RT: 12.55 min Scan# 3352
 Delta R.T. -0.00 min
 Lab File: VN056235.D
 Acq: 12 Jun 2019 8:56

Tgt Ion	75	Resp	86759
Ion Ratio	Lower	Upper	
75	100		
77	138.1	0.0	350.0





#73

Bromobenzene

Concen: 20.990 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. -0.00 min

Lab File: VN056235.D

Acq: 12 Jun 2019 8:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

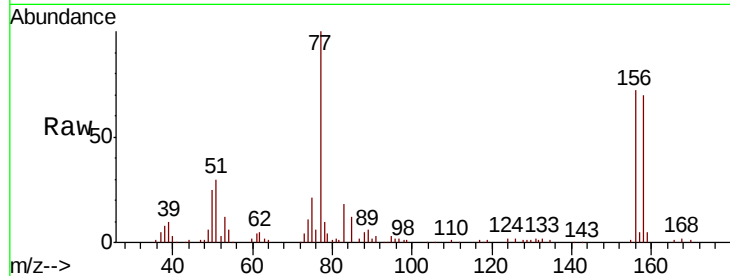
Tot Ion:156 Resp: 69953

Ion Ratio Lower Upper

156 100

77 171.2 0.0 350.8

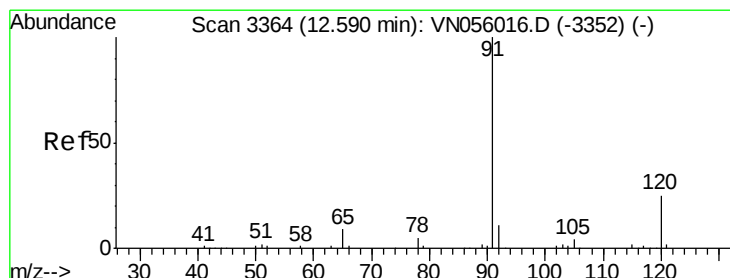
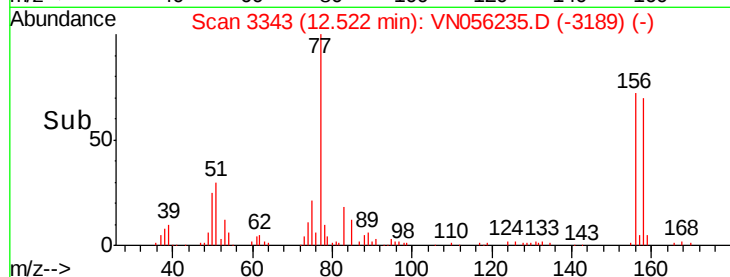
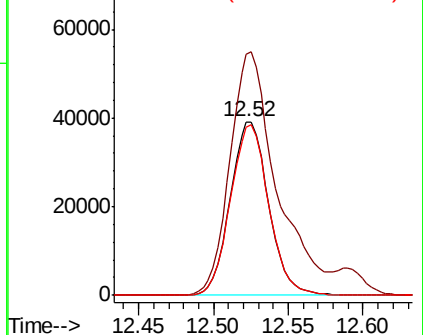
158 98.3 0.0 193.2



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 20.766 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN056235.D

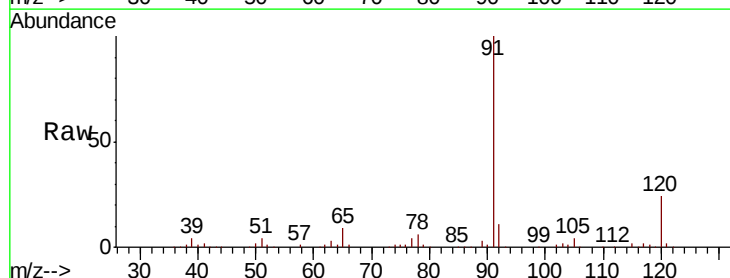
Acq: 12 Jun 2019 8:56

Tgt Ion: 91 Resp: 275149

Ion Ratio Lower Upper

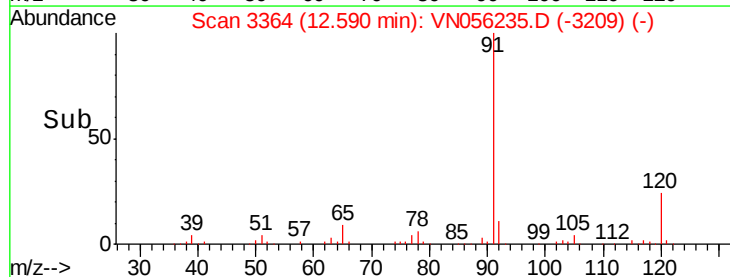
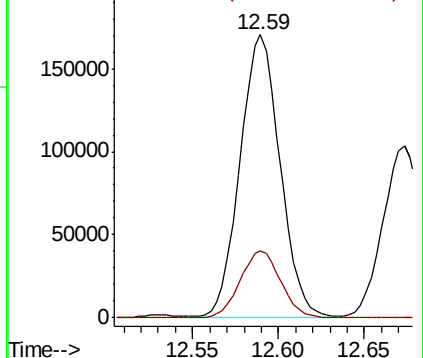
91 100

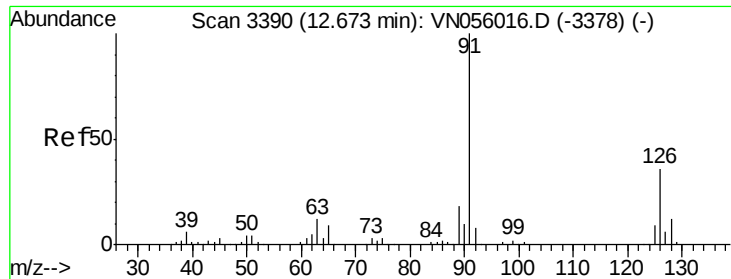
120 23.9 0.0 48.6



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 20.823 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN056235.D

Acq: 12 Jun 2019 8:56

Instrument :

MSVOA_N

ClientSampleId :

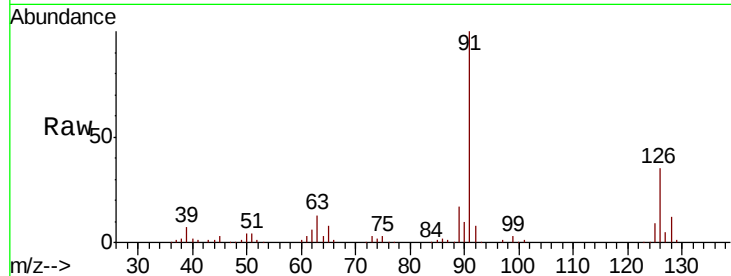
VSTDCCC020

Tot Ion: 91 Resp: 171134

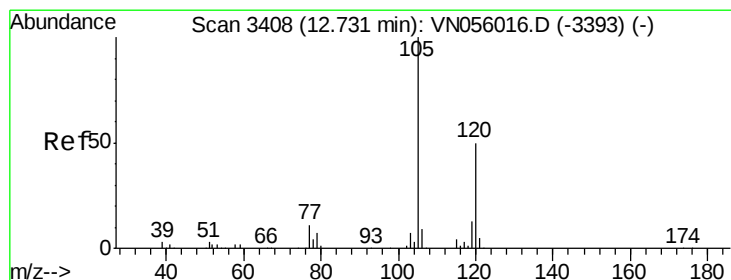
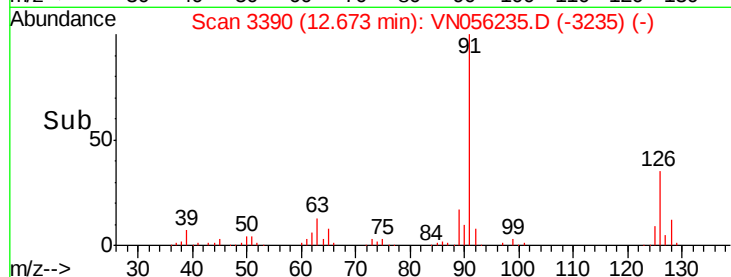
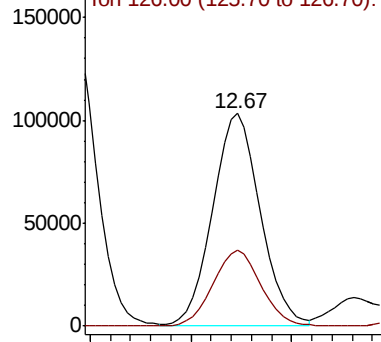
Ion Ratio Lower Upper

91 100

126 36.0 0.0 72.4



Abundance Ion 91.00 (90.70 to 91.70): VN056016.D (-3378) (-)



#76

1,3,5-Trimethylbenzene

Concen: 21.097 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN056235.D

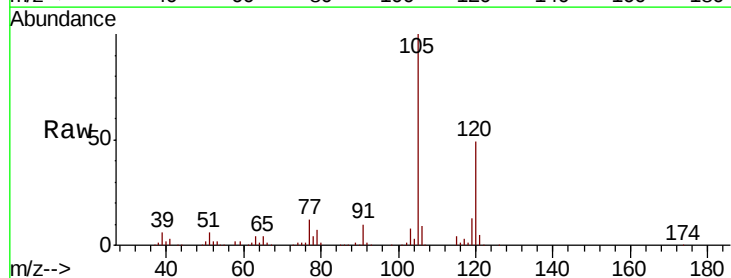
Acq: 12 Jun 2019 8:56

Tgt Ion: 105 Resp: 217888

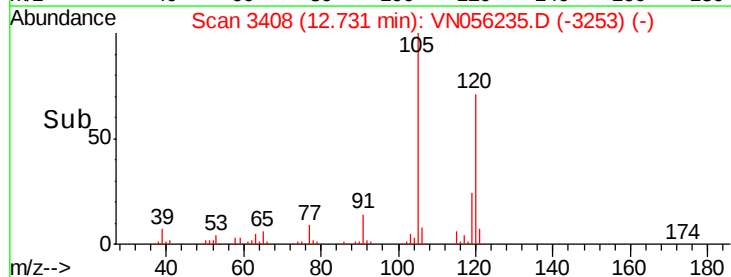
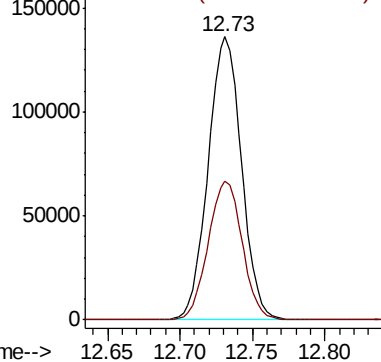
Ion Ratio Lower Upper

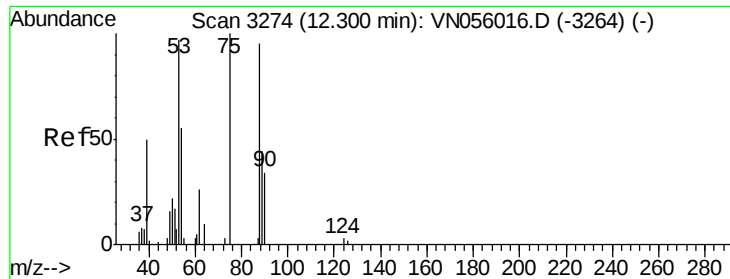
105 100

120 50.0 0.0 100.6



Abundance Ion 105.00 (104.70 to 105.70): VN056016.D (-3393) (-)

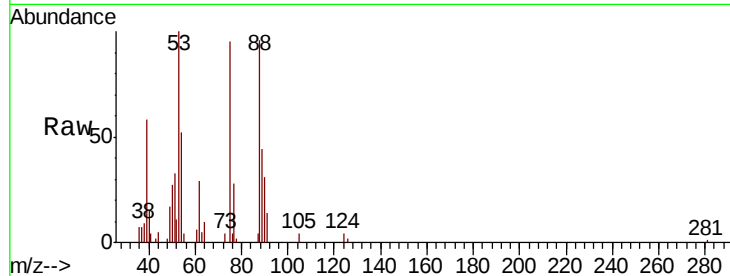




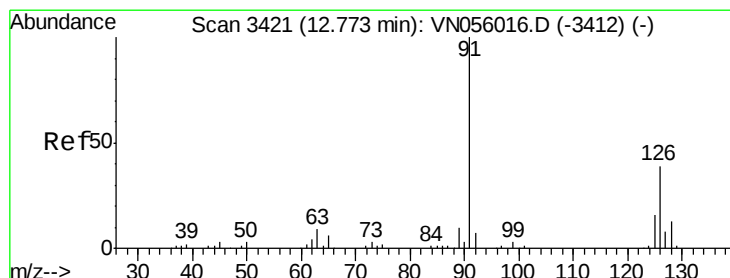
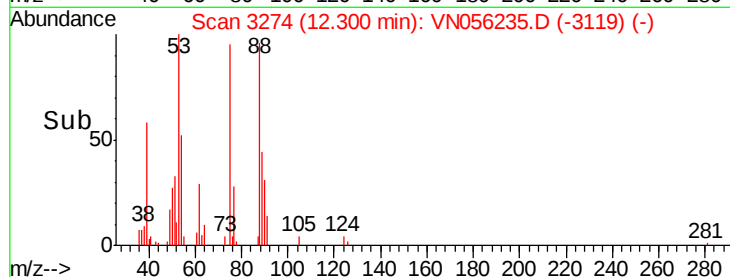
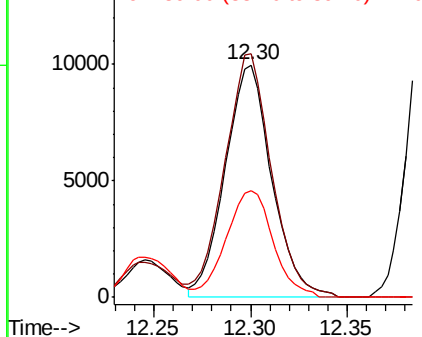
#77
t-1,4-Dichloro-2-butene
Concen: 17.921 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. -0.00 min
Lab File: VN056235.D
Acq: 12 Jun 2019 8:56

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC020

Tot Ion: 75 Resp: 16757
Ion Ratio Lower Upper
75 100
53 104.9 48.0 144.0
89 46.0 22.5 67.5

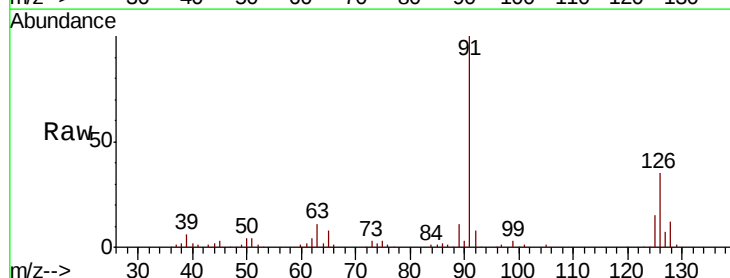


Abundance Ion 75.00 (74.70 to 75.70): VN0
Ion 53.00 (52.70 to 53.70): VN0
Ion 89.00 (88.70 to 89.70): VN0

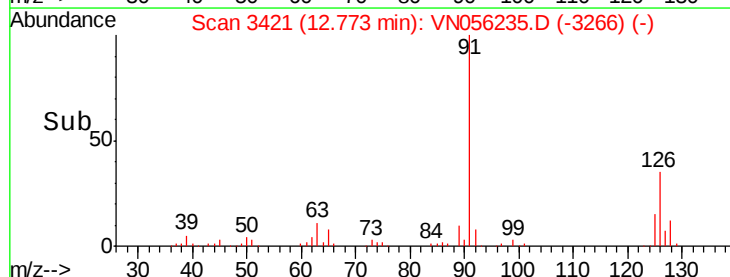
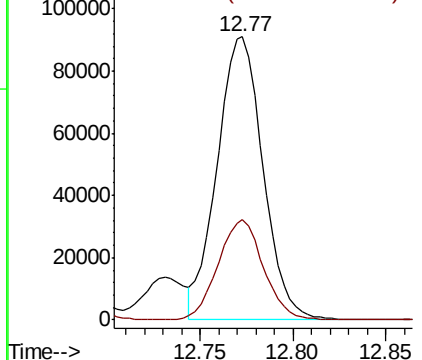


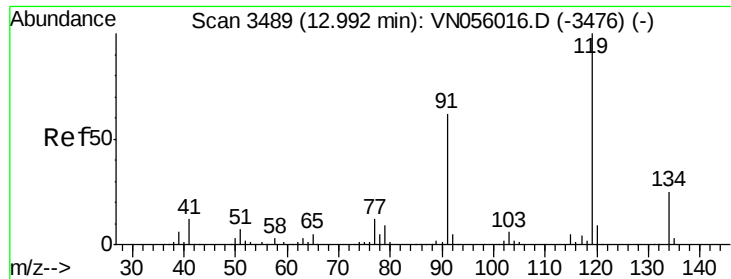
#78
4-Chlorotoluene
Concen: 20.192 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN056235.D
Acq: 12 Jun 2019 8:56

Tgt Ion: 91 Resp: 154979
Ion Ratio Lower Upper
91 100
126 35.4 0.0 71.8



Abundance Ion 91.00 (90.70 to 91.70): VN0
Ion 126.00 (125.70 to 126.70): V

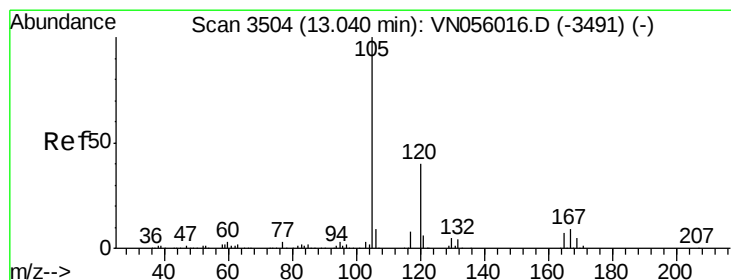
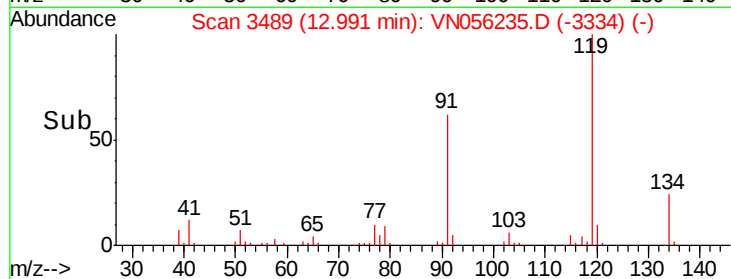
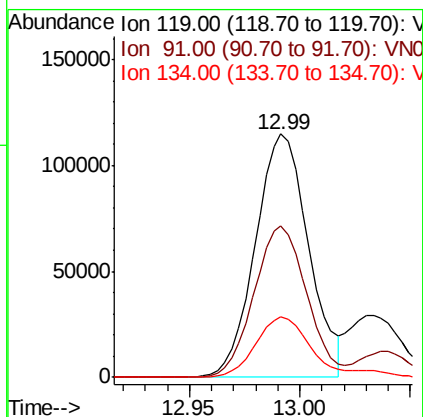
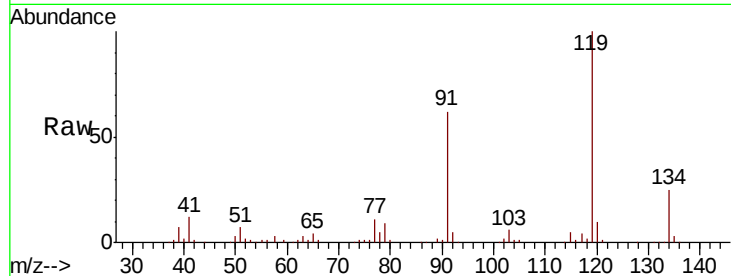




#79
tert-butylbenzene
Concen: 21.018 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. -0.00 min
Lab File: VN056235.D
Acq: 12 Jun 2019 8:56

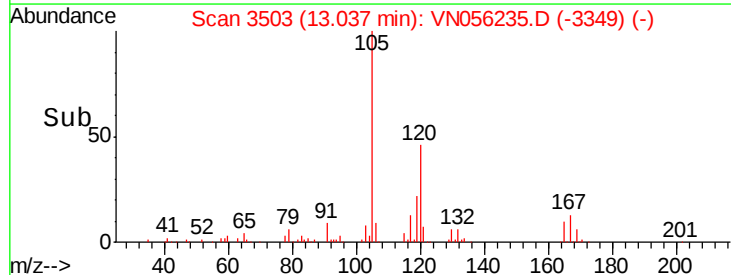
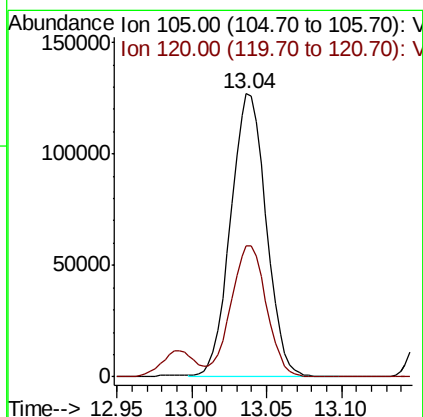
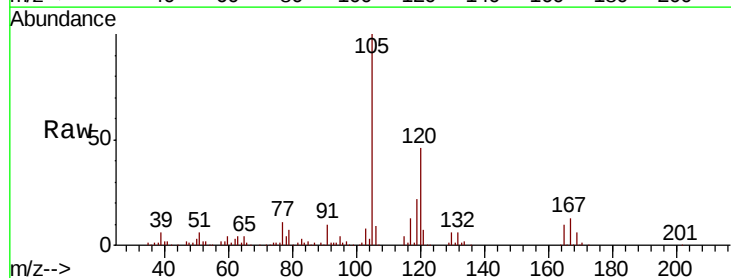
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

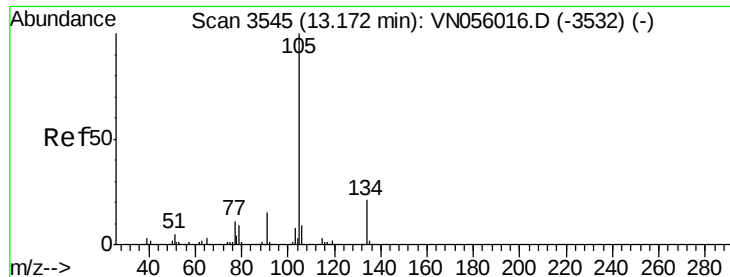
Tot Ion:119 Resp: 192318
Ion Ratio Lower Upper
119 100
91 61.8 0.0 122.8
134 25.2 0.0 50.2



#80
1,2,4-Trimethylbenzene
Concen: 20.872 ug/l
RT: 13.04 min Scan# 3503
Delta R.T. -0.00 min
Lab File: VN056235.D
Acq: 12 Jun 2019 8:56

Tgt Ion:105 Resp: 209701
Ion Ratio Lower Upper
105 100
120 46.8 0.0 93.4





#81

sec-Butylbenzene

Concen: 21.268 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN056235.D

Acq: 12 Jun 2019 8:56

Instrument :

MSVOA_N

ClientSampleId :

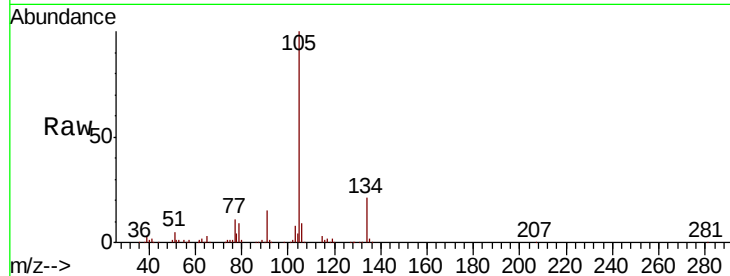
VSTDCCC020

Tot Ion:105 Resp: 246187

Ion Ratio Lower Upper

105 100

134 20.8 0.0 41.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

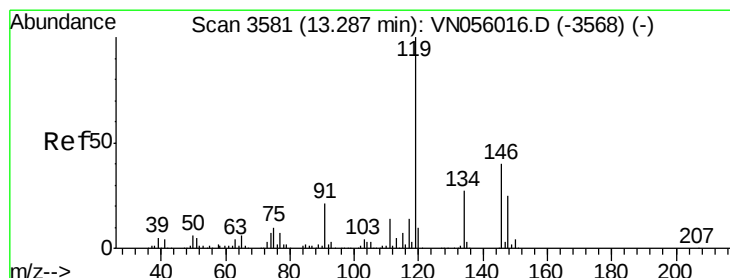
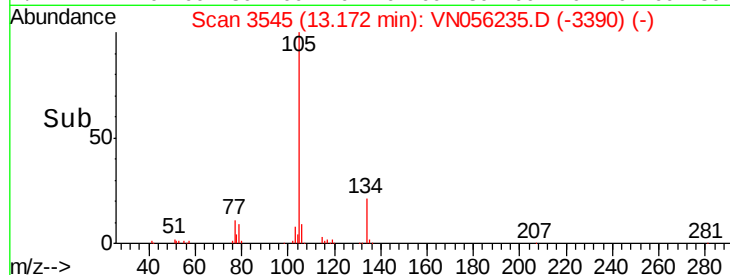
150000

100000

50000

0

Time--> 13.10 13.15 13.20 13.25



#82

p-Isopropyltoluene

Concen: 20.760 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN056235.D

Acq: 12 Jun 2019 8:56

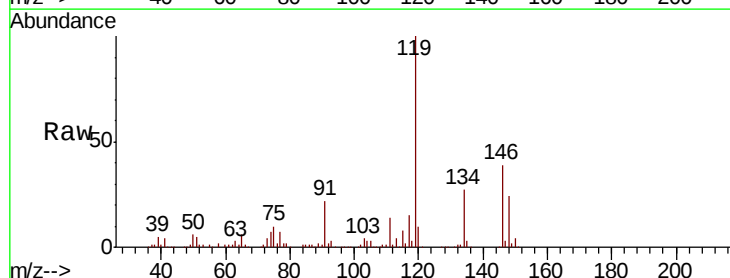
Tgt Ion:119 Resp: 217265

Ion Ratio Lower Upper

119 100

134 27.0 0.0 53.4

91 21.7 0.0 43.0



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

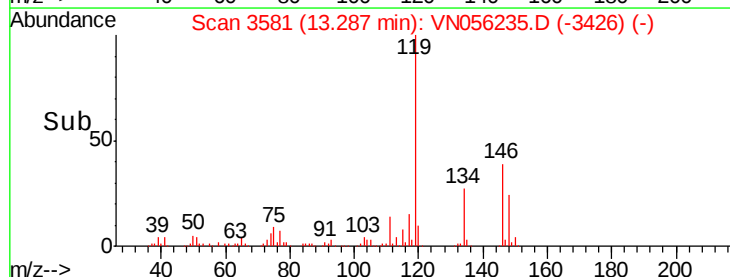
150000

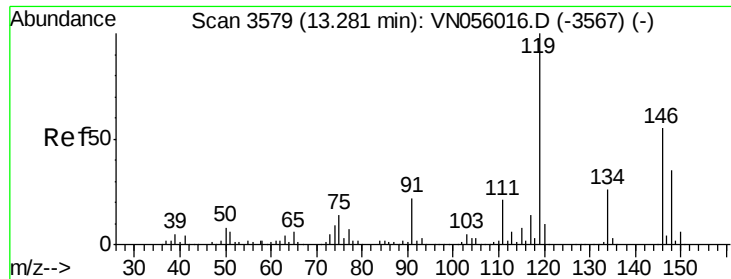
100000

50000

0

Time--> 13.20 13.25 13.30 13.35

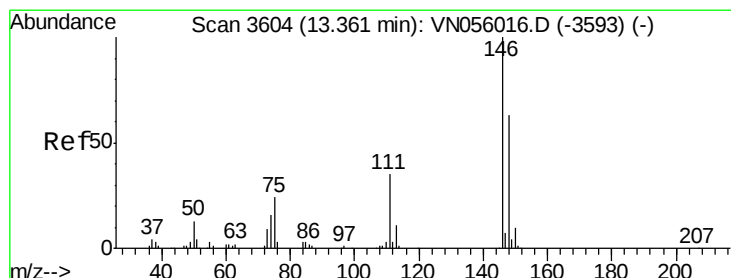
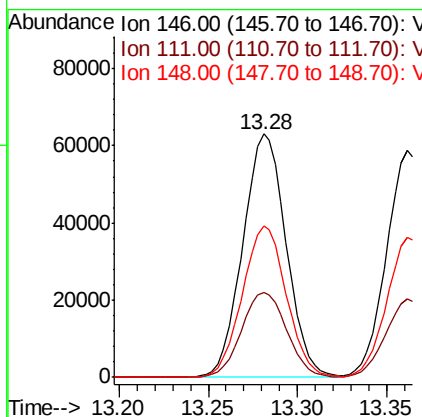
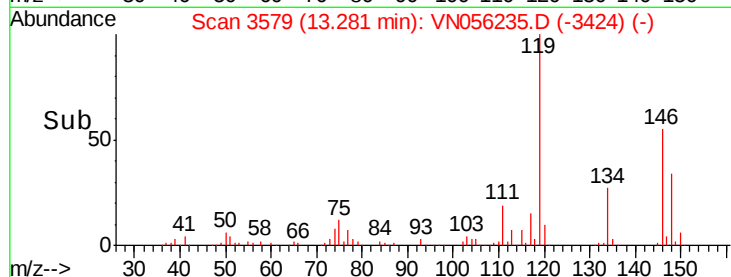
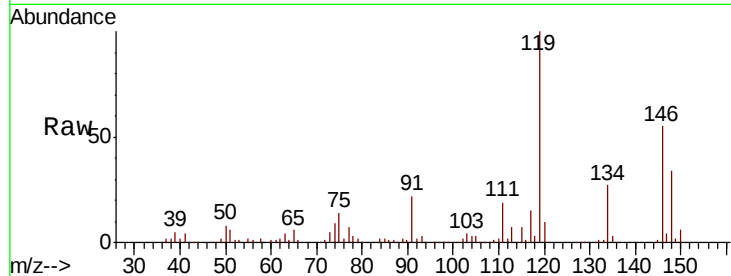




#83
 1,3-Dichlorobenzene
 Concen: 20.595 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN056235.D
 Acq: 12 Jun 2019 8:56

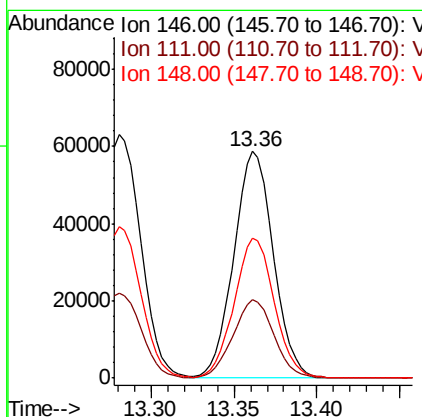
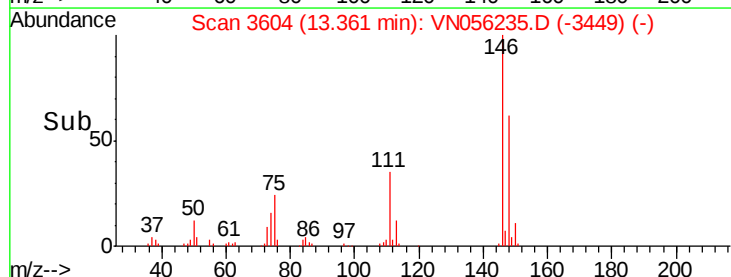
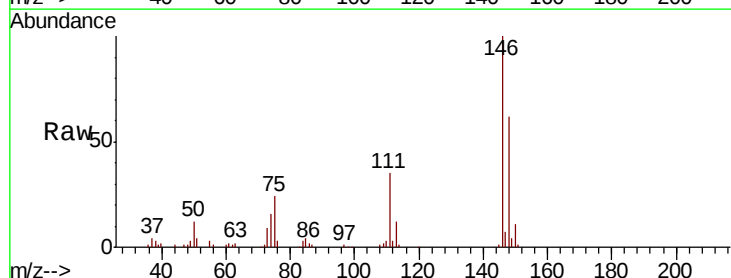
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

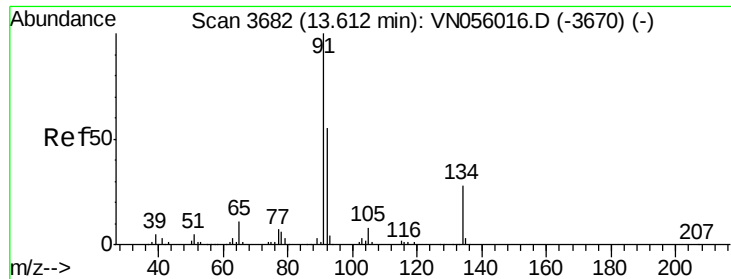
Tot Ion:146 Resp: 106964
 Ion Ratio Lower Upper
 146 100
 111 36.3 18.2 54.6
 148 63.1 31.9 95.9



#84
 1,4-Dichlorobenzene
 Concen: 19.730 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. -0.00 min
 Lab File: VN056235.D
 Acq: 12 Jun 2019 8:56

Tgt Ion:146 Resp: 97608
 Ion Ratio Lower Upper
 146 100
 111 35.5 17.6 52.9
 148 62.5 32.1 96.3

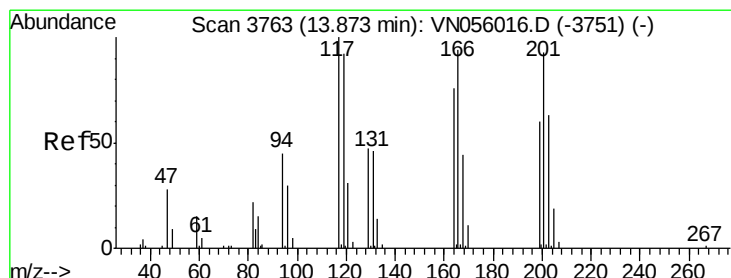
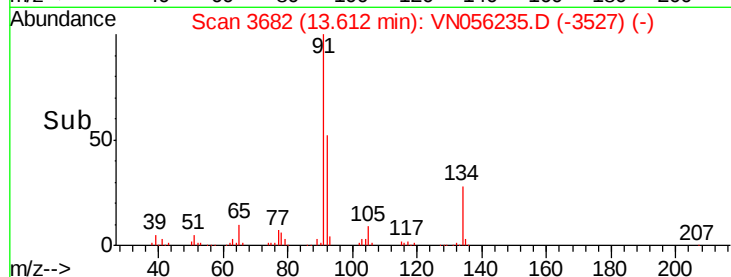
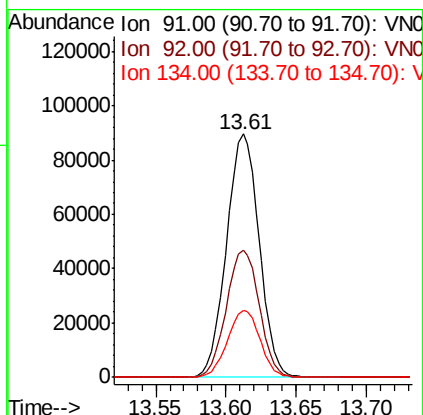
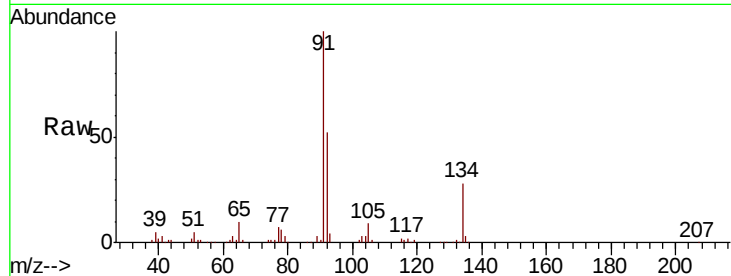




#85
n-Butylbenzene
Concen: 18.631 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN056235.D
Acq: 12 Jun 2019 8:56

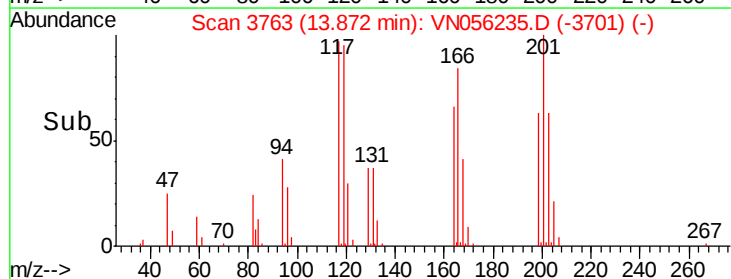
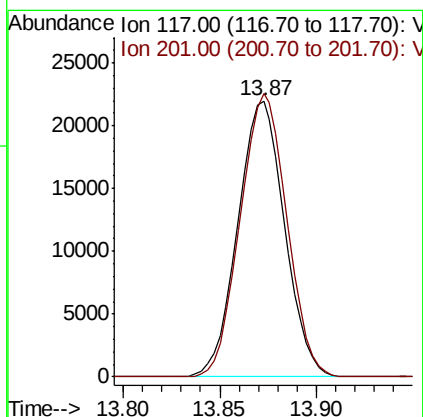
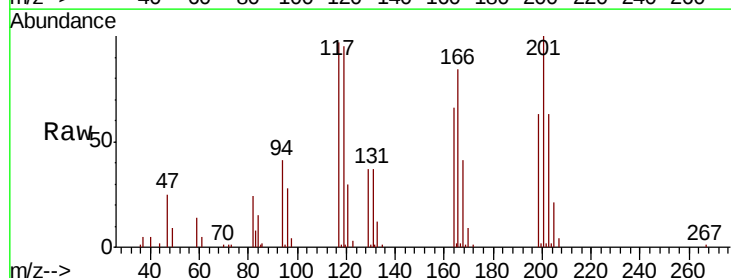
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

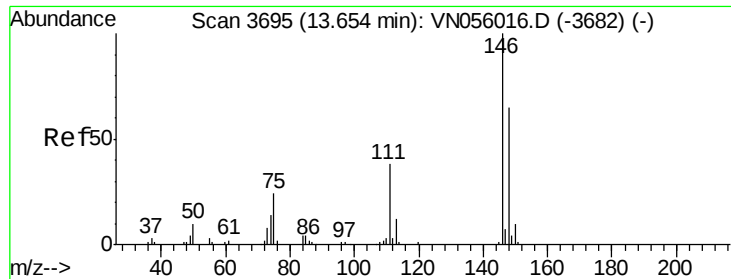
Tot Ion: 91 Resp: 145519
Ion Ratio Lower Upper
91 100
92 52.4 0.0 107.2
134 27.4 0.0 55.8



#86
Hexachloroethane
Concen: 22.674 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN056235.D
Acq: 12 Jun 2019 8:56

Tgt Ion: 117 Resp: 36993
Ion Ratio Lower Upper
117 100
201 102.4 48.1 144.4





#87

1,2-Dichlorobenzene

Concen: 20.435 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. -0.00 min

Lab File: VN056235.D

Acq: 12 Jun 2019 8:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

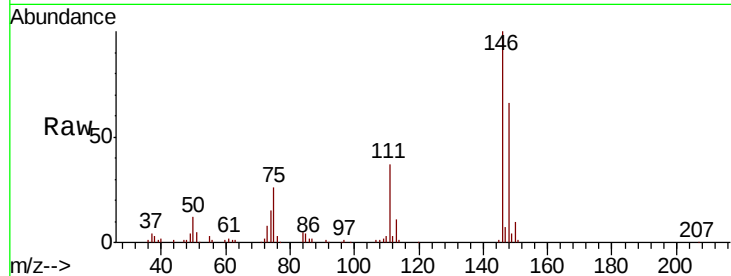
Tot Ion:146 Resp: 107879

Ion Ratio Lower Upper

146 100

111 37.3 19.3 57.9

148 63.9 32.6 97.8

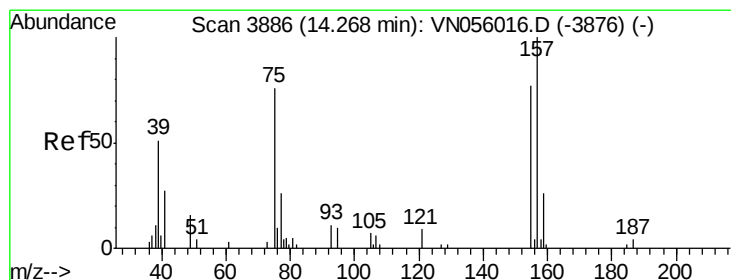
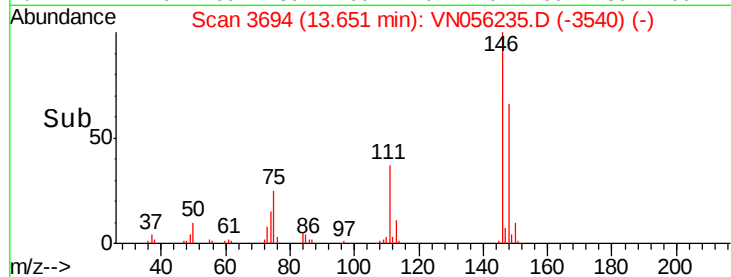
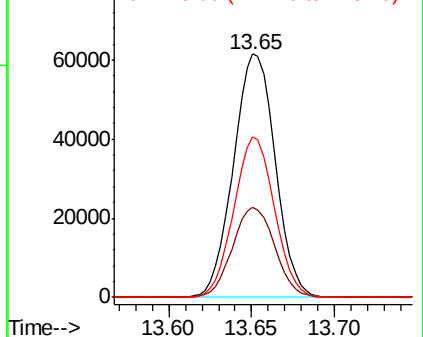


Abundance

Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#88

1,2-Dibromo-3-Chloropropane

Concen: 18.330 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. -0.00 min

Lab File: VN056235.D

Acq: 12 Jun 2019 8:56

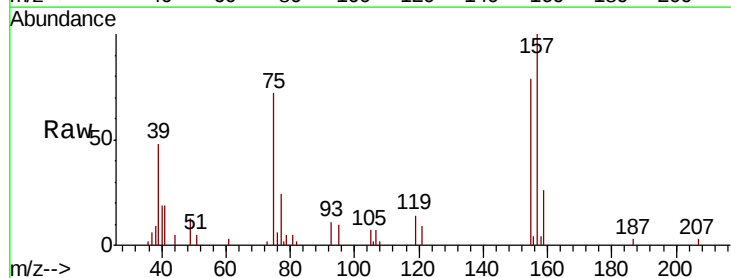
Tgt Ion: 75 Resp: 10892

Ion Ratio Lower Upper

75 100

155 105.4 82.5 123.7

157 133.5 105.1 157.7

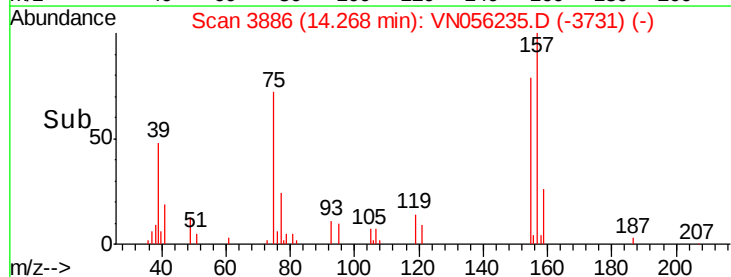
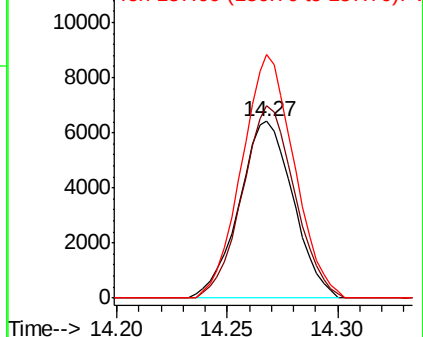


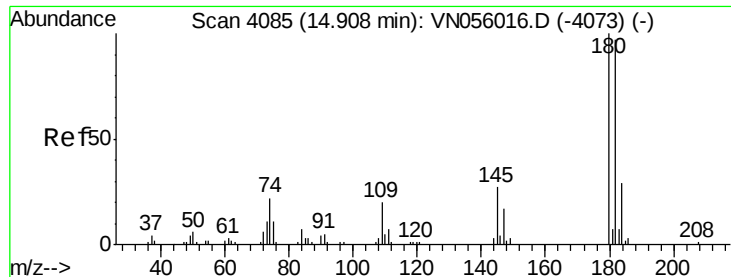
Abundance

Ion 75.00 (74.70 to 75.70): V

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

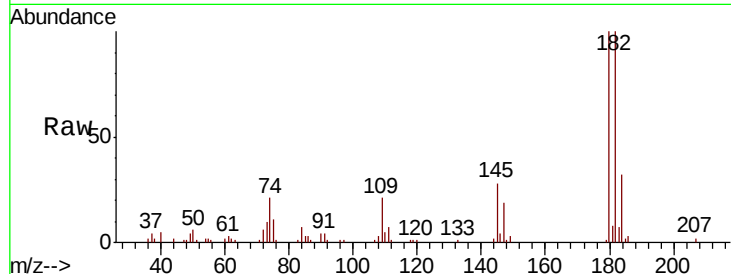




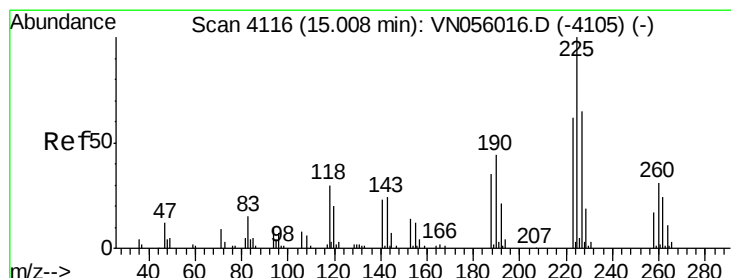
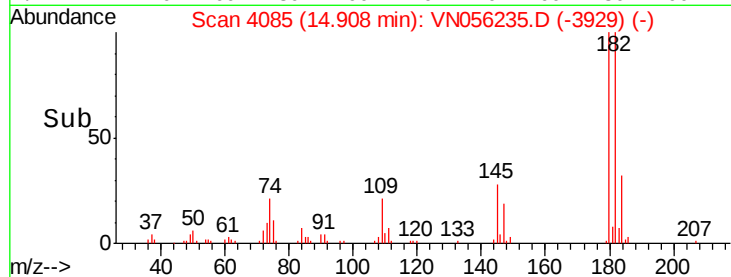
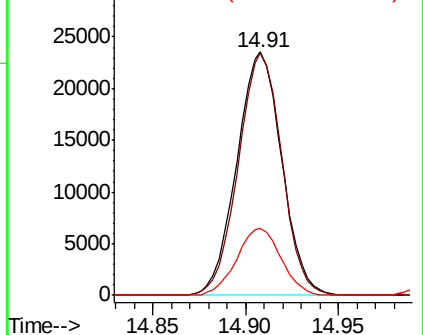
#89
1,2,4-Trichlorobenzene
Concen: 19.289 ug/l
RT: 14.91 min Scan# 4085
Delta R.T. 0.00 min
Lab File: VN056235.D
Acq: 12 Jun 2019 8:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion:180 Resp: 39747
Ion Ratio Lower Upper
180 100
182 96.4 75.0 112.6
145 27.3 22.1 33.1

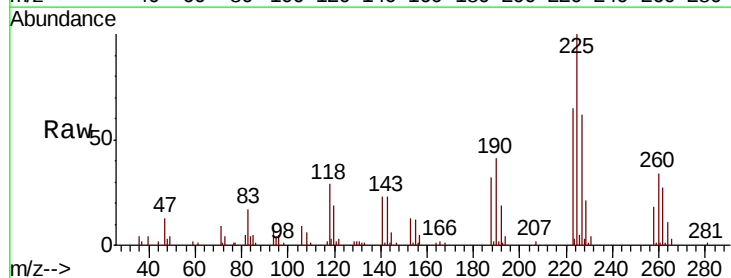


Abundance Ion 180.00 (179.70 to 180.70): V
Ion 182.00 (181.70 to 182.70): V
Ion 145.00 (144.70 to 145.70): V

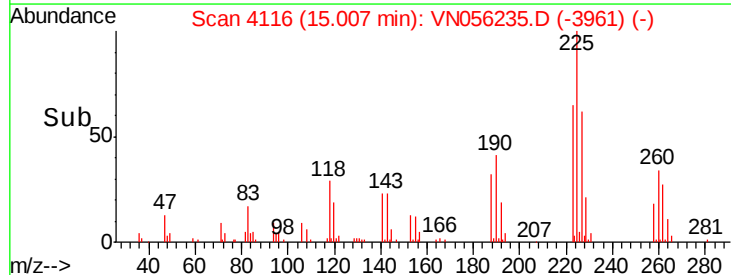
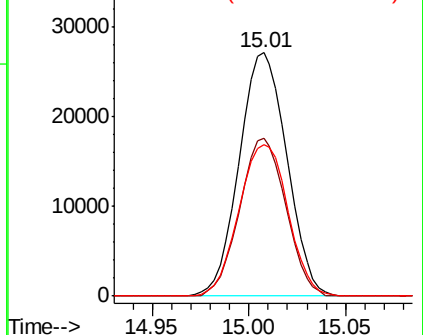


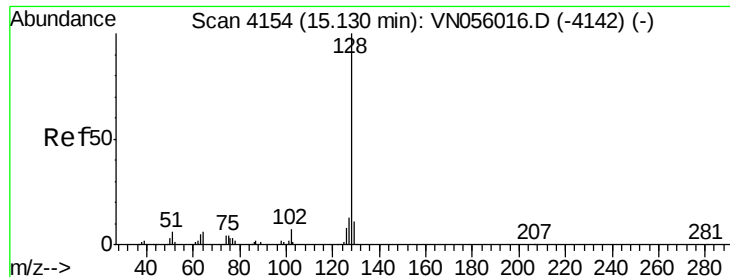
#90
Hexachlorobutadiene
Concen: 24.170 ug/l
RT: 15.01 min Scan# 4116
Delta R.T. -0.00 min
Lab File: VN056235.D
Acq: 12 Jun 2019 8:56

Tgt Ion:225 Resp: 46581
Ion Ratio Lower Upper
225 100
223 62.8 0.0 125.6
227 64.0 0.0 128.6



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

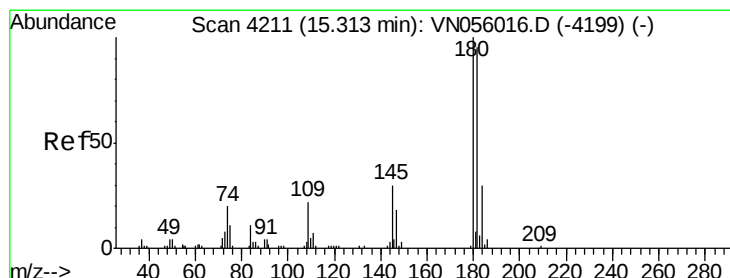
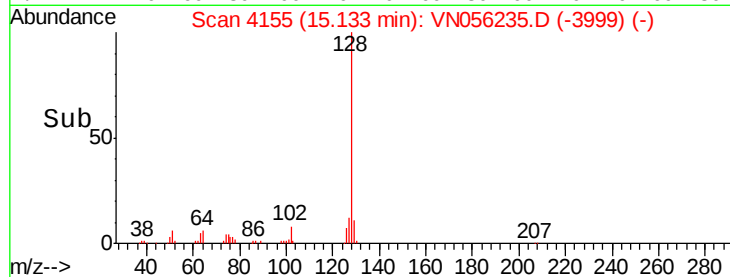
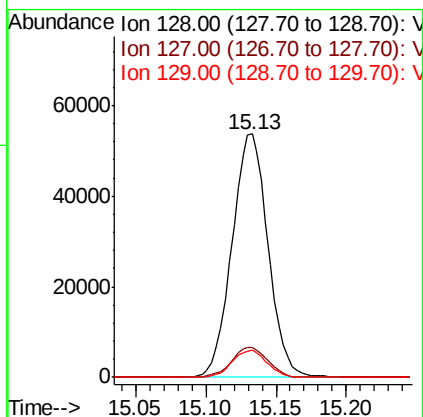
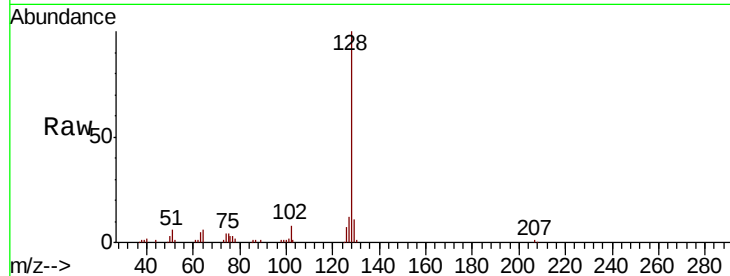




#91
Naphthalene
Concen: 13.685 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN056235.D
Acq: 12 Jun 2019 8:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion:128 Resp: 95951
Ion Ratio Lower Upper
128 100
127 12.4 10.4 15.6
129 10.8 8.7 13.1



#92
1,2,3-Trichlorobenzene
Concen: 16.803 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. -0.00 min
Lab File: VN056235.D
Acq: 12 Jun 2019 8:56

Tgt Ion:180 Resp: 46435
Ion Ratio Lower Upper
180 100
182 98.5 0.0 193.4
145 27.5 0.0 59.8

