

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN073119\
 Data File : VN056999.D
 Acq On : 31 Jul 2019 8:55
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Quant Time: Aug 01 01:16:17 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072719W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 27 01:33:29 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	534568	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	740883	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	682896	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	294987	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.01	65	265672	48.55	ug/l	0.00
Spiked Amount			Recovery	=	97.10%	
35) Dibromofluoromethane	7.58	113	250768	52.87	ug/l	0.00
Spiked Amount			Recovery	=	105.74%	
50) Toluene-d8	10.08	98	949569	52.50	ug/l	0.00
Spiked Amount			Recovery	=	105.00%	
62) 4-Bromofluorobenzene	12.40	95	312710	53.11	ug/l	0.00
Spiked Amount			Recovery	=	106.22%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	287606	53.219	ug/l	98
3) Chloromethane	2.05	50	309283	47.793	ug/l	100
4) Vinyl Chloride	2.18	62	289526	47.715	ug/l	99
5) Bromomethane	2.54	94	166449	44.124	ug/l	97
6) Chloroethane	2.69	64	157981	47.230	ug/l	100
7) Trichlorofluoromethane	3.00	101	402426	50.664	ug/l	100
8) Diethyl Ether	3.40	74	145429	48.922	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.74	101	244994	49.750	ug/l	99
10) Methyl Iodide	3.94	142	350984	53.338	ug/l	100
11) Tert butyl alcohol	4.77	59	156778	211.963	ug/l	100
12) 1,1-Dichloroethene	3.72	96	232157	49.407	ug/l	100
13) Acrolein	3.59	56	59046	154.665	ug/l	98
14) Allyl chloride	4.31	41	360008	47.101	ug/l	98
15) Acrylonitrile	4.97	53	521153	240.267	ug/l	99
16) Acetone	3.80	43	538074	271.424	ug/l	98
17) Carbon Disulfide	4.04	76	593880	47.564	ug/l	99
18) Methyl Acetate	4.31	43	273412	43.234	ug/l	98
19) Methyl tert-butyl Ether	5.02	73	674830	48.166	ug/l	99
20) Methylene Chloride	4.53	84	273393	47.876	ug/l	97
21) trans-1,2-Dichloroethene	5.02	96	246618	49.419	ug/l	97
22) Diisopropyl ether	5.94	45	768407	48.793	ug/l	97
23) Vinyl Acetate	5.88	43	2599535	238.240	ug/l	99
24) 1,1-Dichloroethane	5.83	63	450479	48.482	ug/l	100
25) 2-Butanone	6.82	43	687453	244.554	ug/l	99
26) 2,2-Dichloropropane	6.81	77	338234	47.874	ug/l	100
27) cis-1,2-Dichloroethene	6.81	96	287398	48.692	ug/l	100
28) Bromochloromethane	7.18	49	200071	45.809	ug/l	98
29) Tetrahydrofuran	7.19	42	419002	228.456	ug/l	98
30) Chloroform	7.36	83	451086	47.482	ug/l	99
31) Cyclohexane	7.64	56	415445	46.205	ug/l	99
32) 1,1,1-Trichloroethane	7.56	97	375411	49.526	ug/l	99
36) 1,1-Dichloropropene	7.78	75	341389	52.366	ug/l	99
37) Ethyl Acetate	6.91	43	255281	48.892	ug/l	99
38) Carbon Tetrachloride	7.76	117	326921	53.015	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	436117	52.341	ug/l	99
40) Benzene	8.03	78	1041079	51.848	ug/l	98
41) Methacrylonitrile	7.16	41	123496	51.163	ug/l	92
42) 1,2-Dichloroethane	8.11	62	323790	51.451	ug/l	100
43) Isopropyl Acetate	8.15	43	415349	48.129	ug/l #	93
44) Trichloroethene	8.82	130	294237	53.189	ug/l	99
45) 1,2-Dichloropropane	9.11	63	278285	51.814	ug/l	100
46) Dibromomethane	9.20	93	173402	53.536	ug/l	97
47) Bromodichloromethane	9.39	83	338571	53.166	ug/l	99
48) Methyl methacrylate	9.19	41	208746	50.101	ug/l	98
49) 1,4-Dioxane	9.19	88	89155	1038.335	ug/l	97
51) 4-Methyl-2-Pentanone	9.98	43	1289715	251.523	ug/l	99
52) Toluene	10.15	92	654034	54.214	ug/l	98
53) t-1,3-Dichloropropene	10.37	75	349562	52.897	ug/l	100
54) cis-1,3-Dichloropropene	9.83	75	408087	53.111	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	248722	51.409	ug/l	98
56) Ethyl methacrylate	10.42	69	343091	47.065	ug/l	99
57) 1,3-Dichloropropane	10.70	76	415374	51.776	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	607001	209.368	ug/l	99
59) 2-Hexanone	10.74	43	939643	238.079	ug/l	100
60) Dibromochloromethane	10.90	129	269163	54.303	ug/l	99
61) 1,2-Dibromoethane	11.00	107	252104	53.396	ug/l	100
64) Tetrachloroethene	10.62	164	318573	54.135	ug/l	98
65) Chlorobenzene	11.43	112	714844	51.360	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	262522	50.113	ug/l	98
67) Ethyl Benzene	11.50	91	1251553	52.028	ug/l	100
68) m/p-Xylenes	11.61	106	942088	106.118	ug/l	100
69) o-Xylene	11.94	106	450230	51.837	ug/l	100
70) Styrene	11.96	104	758578	49.435	ug/l	100
71) Bromoform	12.12	173	187780	51.342	ug/l #	98
73) Isopropylbenzene	12.24	105	1223751	48.001	ug/l	99
74) N-amyl acetate	12.07	43	332194	44.876	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	315009	48.825	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	383507	64.017	ug/l #	100
77) Bromobenzene	12.52	156	322222	48.427	ug/l	97
78) n-propylbenzene	12.59	91	1352469	49.685	ug/l	99
79) 2-Chlorotoluene	12.67	91	803690	47.949	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	1038296	49.623	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.29	75	86540	46.414	ug/l	98
82) 4-Chlorotoluene	12.77	91	776067	49.476	ug/l	100
83) tert-Butylbenzene	12.99	119	898372	48.501	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	1023716	50.848	ug/l	100
85) sec-Butylbenzene	13.17	105	1174779	49.171	ug/l	100
86) p-Isopropyltoluene	13.28	119	1073698	50.618	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	512052	50.592	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	489228	50.211	ug/l	100
89) n-Butylbenzene	13.61	91	839609	51.359	ug/l	99
90) Hexachloroethane	13.87	117	175123	47.946	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	505611	50.758	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	45464	44.837	ug/l	98

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QLast Update : Sat Jul 27 01:33:29 2019
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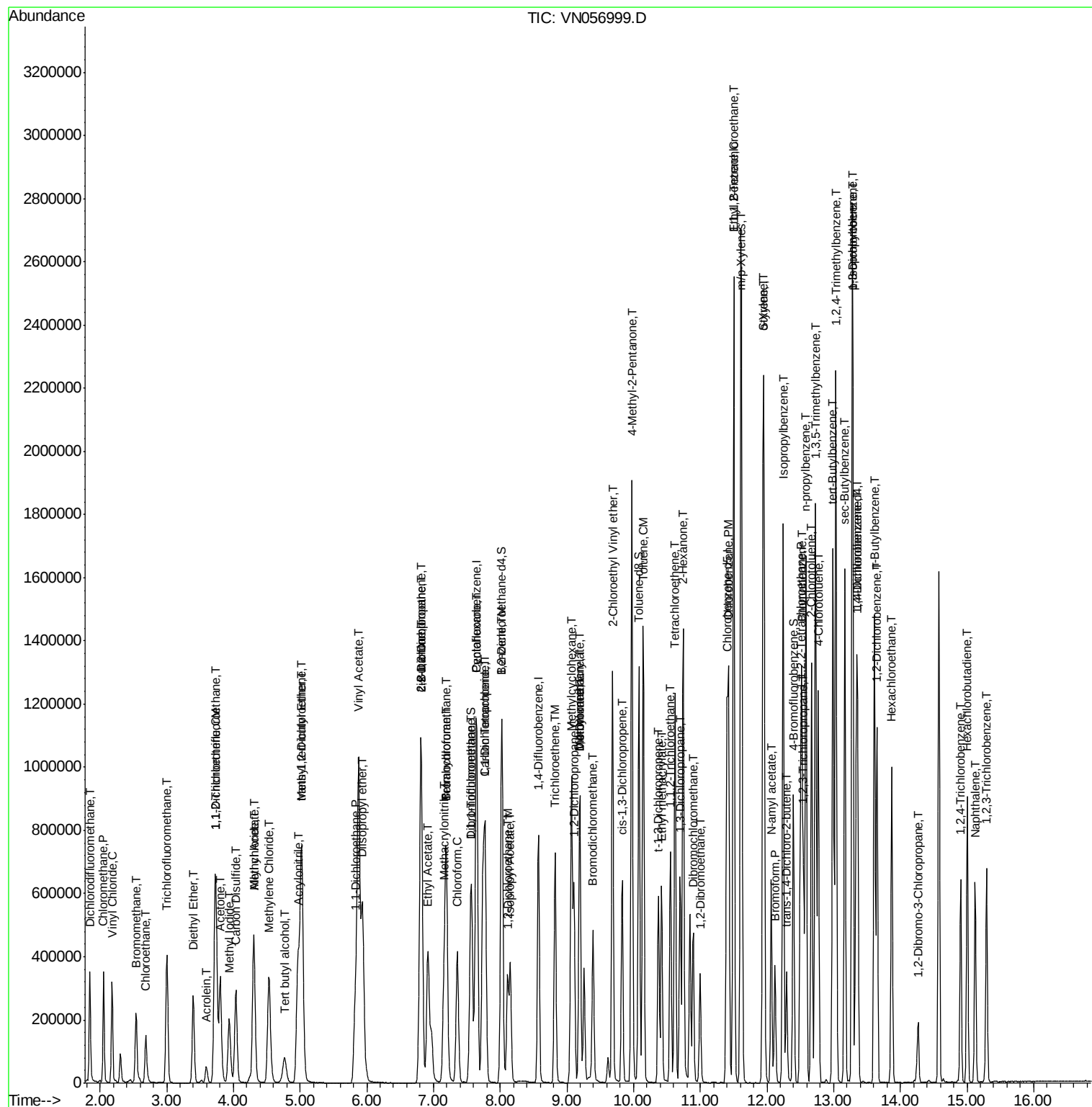
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	225067	44.134	ug/l	98
94) Hexachlorobutadiene	15.00	225	194027	56.172	ug/l	96
95) Naphthalene	15.12	128	545194	43.965	ug/l	99
96) 1,2,3-Trichlorobenzene	15.29	180	248516	47.945	ug/l	99

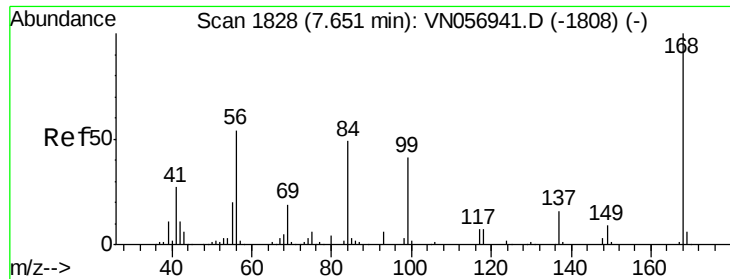
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. -0.00 min

Lab File: VN056999.D

Acq: 31 Jul 2019 8:55

Instrument :

MSVOA_N

ClientSampleId :

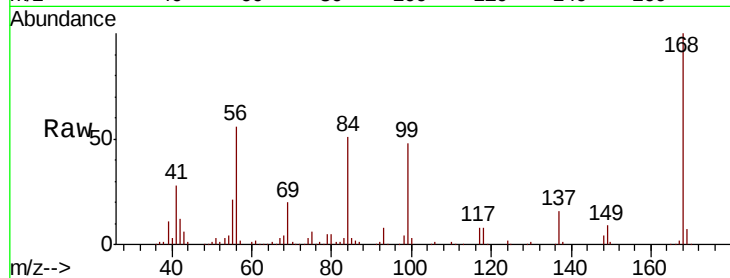
VSTDCCC050

Tot Ion:168 Resp: 534568

Ion Ratio Lower Upper

168 100

99 47.5 39.0 58.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.65

250000

200000

150000

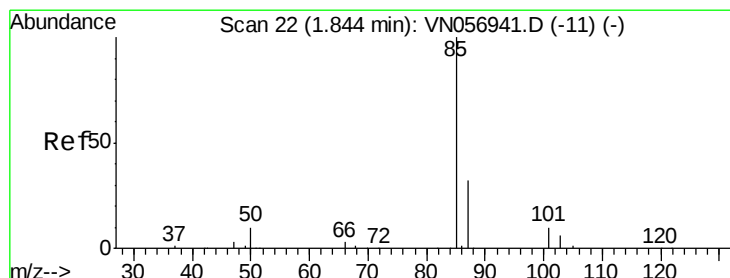
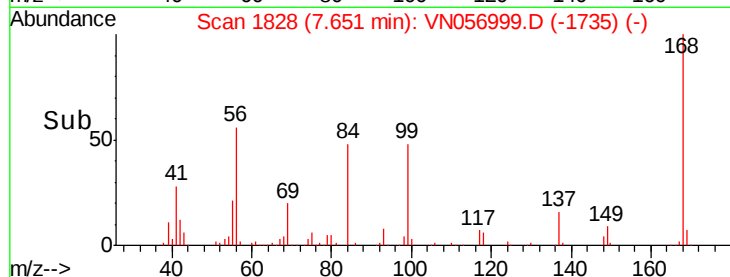
100000

50000

0

7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 53.219 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN056999.D

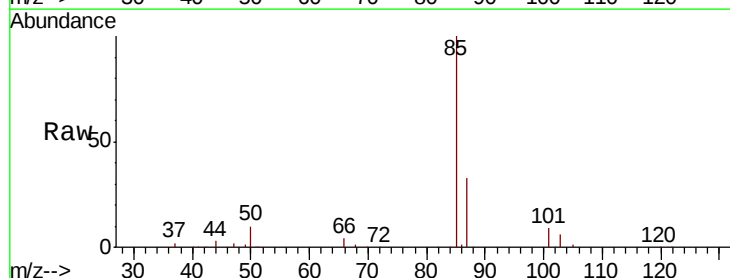
Acq: 31 Jul 2019 8:55

Tgt Ion: 85 Resp: 287606

Ion Ratio Lower Upper

85 100

87 32.6 15.8 47.4



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

200000

150000

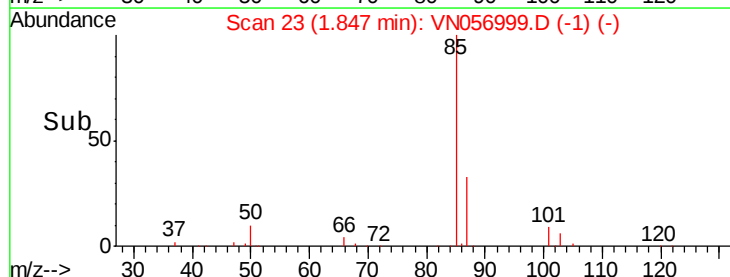
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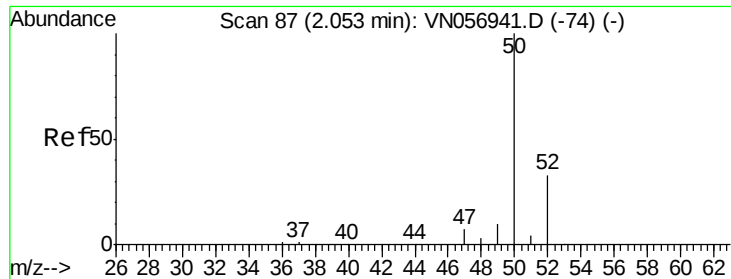
50000

0

1.80 1.90

Time-->





#3

Chloromethane

Concen: 47.793 ug/l

RT: 2.05 min Scan# 87

Delta R.T. -0.00 min

Lab File: VN056999.D

Acq: 31 Jul 2019 8:55

Instrument :

MSVOA_N

ClientSampleId :

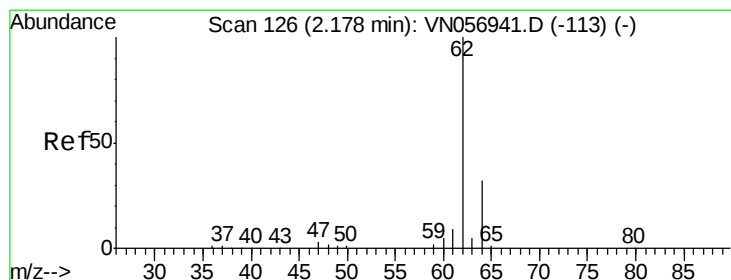
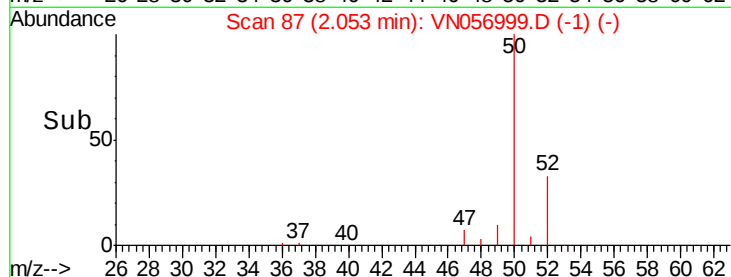
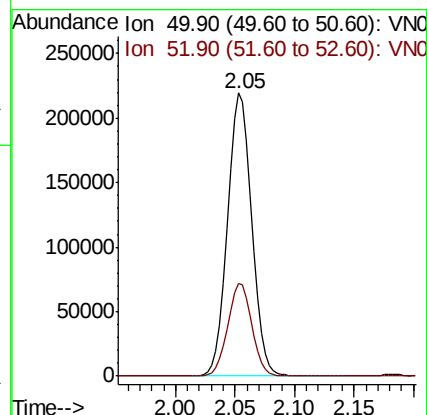
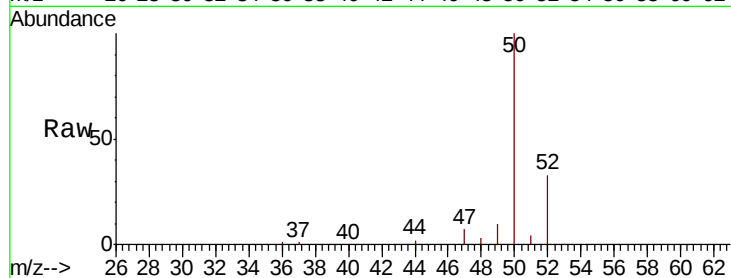
VSTDCCC050

Tot Ion: 50 Resp: 309283

Ion Ratio Lower Upper

50 100

52 32.8 26.2 39.2



#4

Vinyl Chloride

Concen: 47.715 ug/l

RT: 2.18 min Scan# 127

Delta R.T. 0.00 min

Lab File: VN056999.D

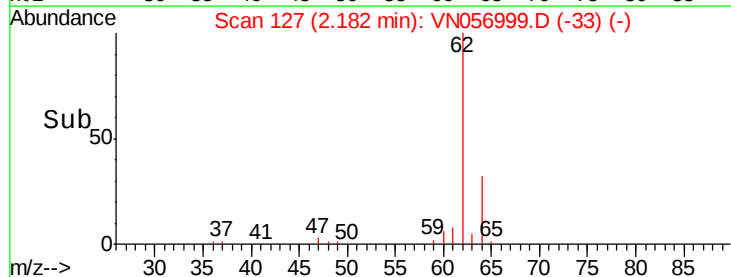
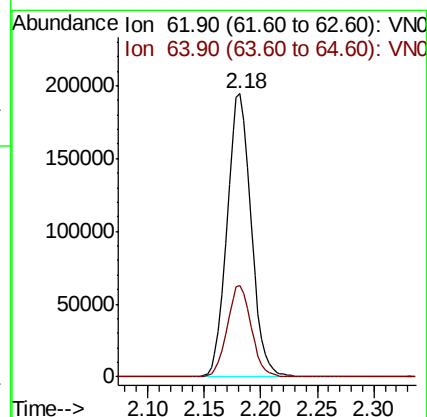
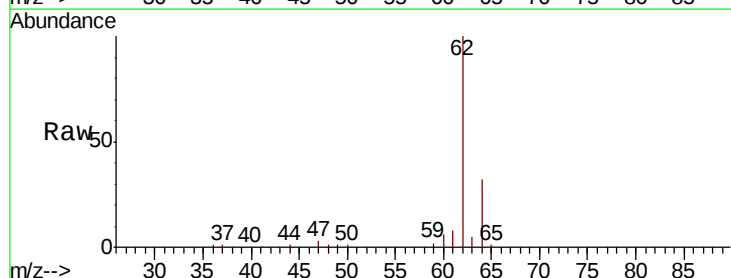
Acq: 31 Jul 2019 8:55

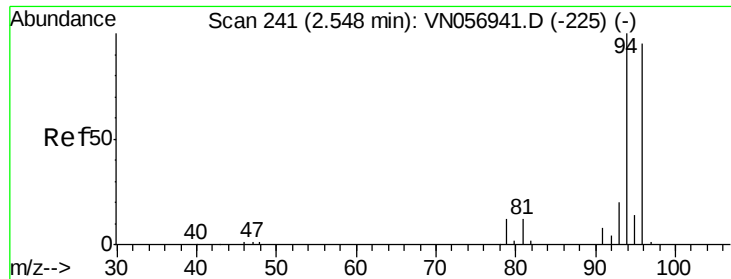
Tgt Ion: 62 Resp: 289526

Ion Ratio Lower Upper

62 100

64 32.5 25.4 38.0

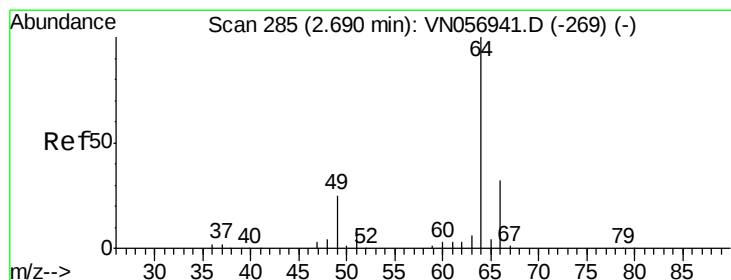
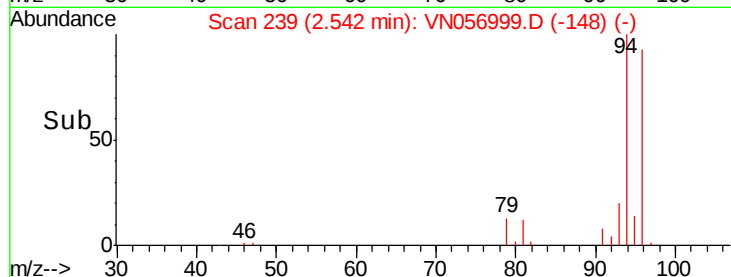
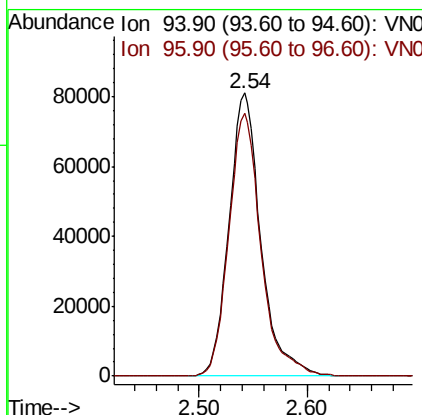
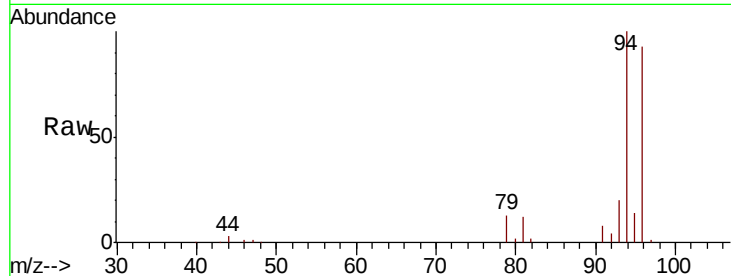




#5
Bromomethane
Concen: 44.124 ug/l
RT: 2.54 min Scan# 239
Delta R.T. -0.01 min
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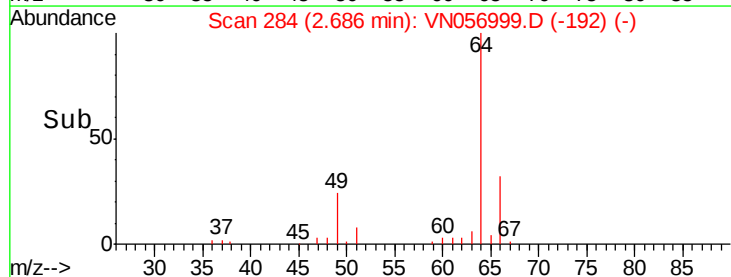
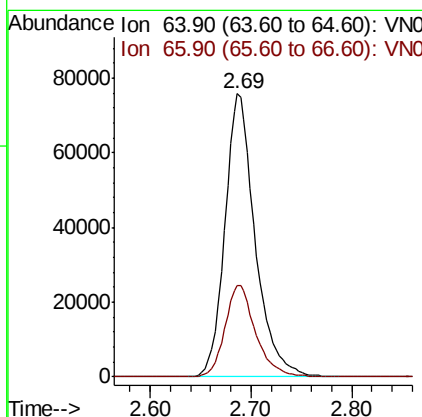
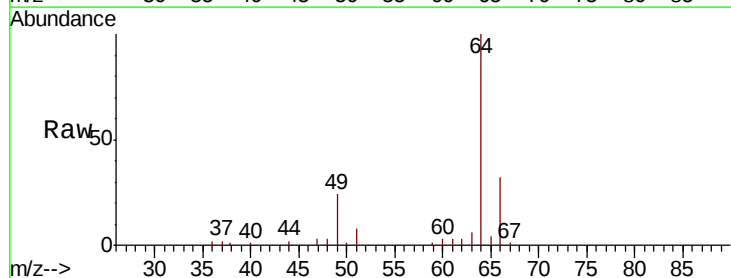
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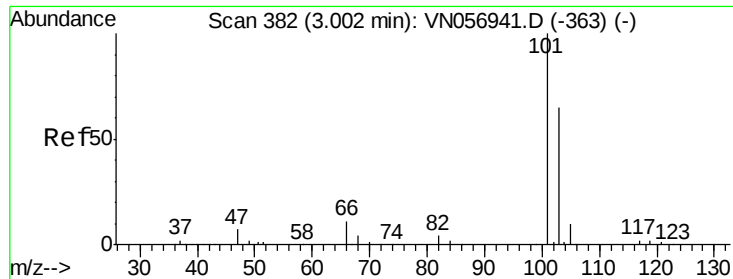
Tot Ion: 94 Resp: 166449
Ion Ratio Lower Upper
94 100
96 92.7 76.2 114.2



#6
Chloroethane
Concen: 47.230 ug/l
RT: 2.69 min Scan# 284
Delta R.T. -0.00 min
Lab File: VN056999.D
Acq: 31 Jul 2019 8:55

Tgt Ion: 64 Resp: 157981
Ion Ratio Lower Upper
64 100
66 32.2 25.8 38.8



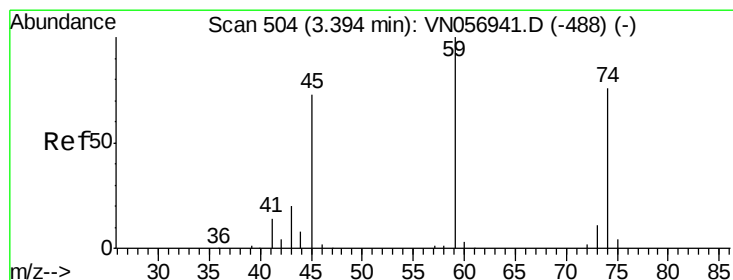
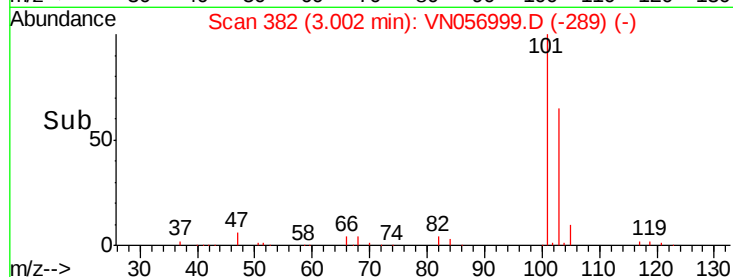
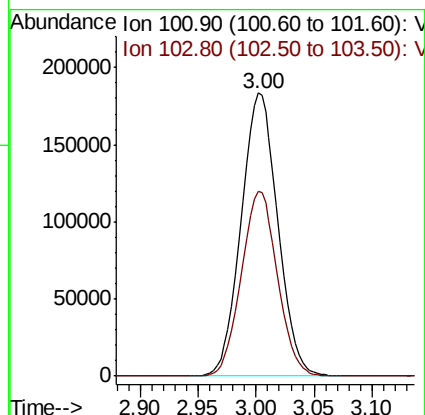
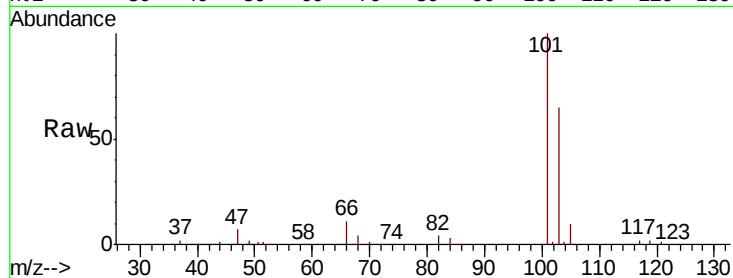


#7

Trichlorofluoromethane
 Concen: 50.664 ug/l
 RT: 3.00 min Scan# 382
 Delta R.T. -0.00 min
 Lab File: VN056999.D
 Acq: 31 Jul 2019 8:55

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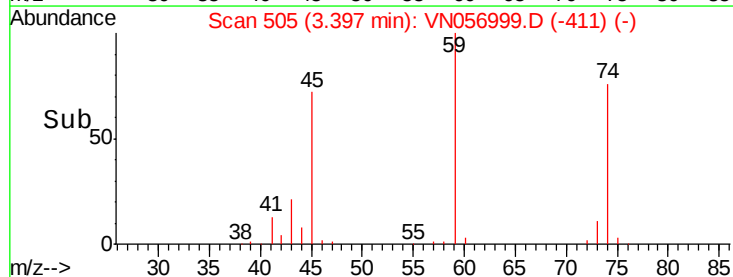
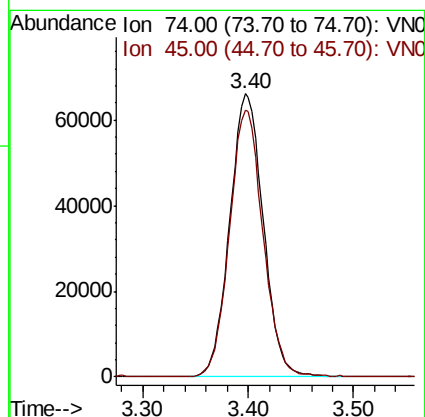
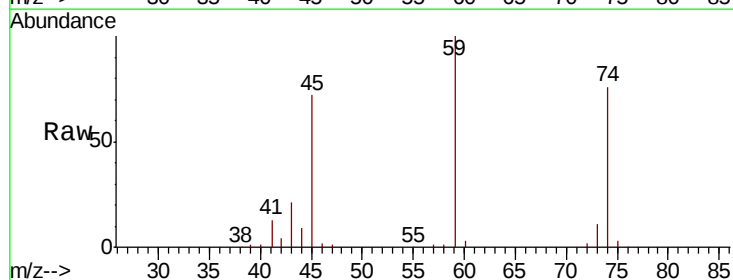
Tot Ion:101 Resp: 402426
 Ion Ratio Lower Upper
 101 100
 103 65.4 52.1 78.1

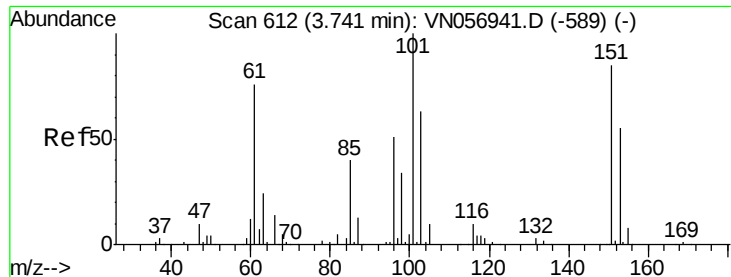


#8

Diethyl Ether
 Concen: 48.922 ug/l
 RT: 3.40 min Scan# 505
 Delta R.T. 0.00 min
 Lab File: VN056999.D
 Acq: 31 Jul 2019 8:55

Tgt Ion: 74 Resp: 145429
 Ion Ratio Lower Upper
 74 100
 45 94.6 48.1 144.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.750 ug/l

RT: 3.74 min Scan# 612

Delta R.T. -0.00 min

Lab File: VN056999.D

Acq: 31 Jul 2019 8:55

Instrument :

MSVOA_N

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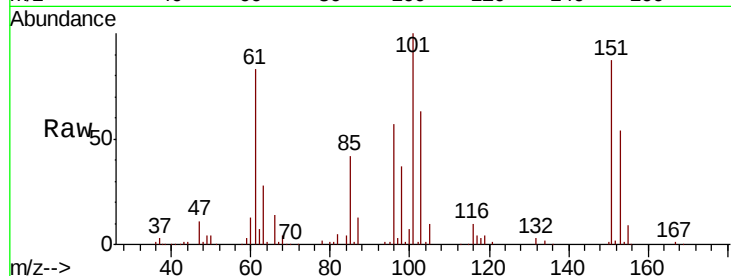
Tot Ion:101 Resp: 244994

Ion Ratio Lower Upper

101 100

85 40.8 32.3 48.5

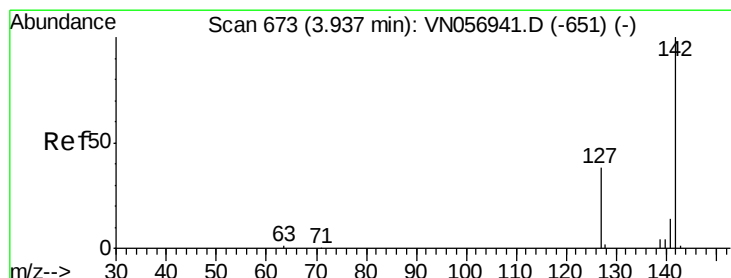
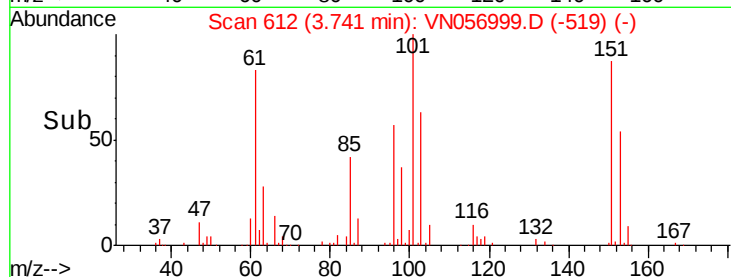
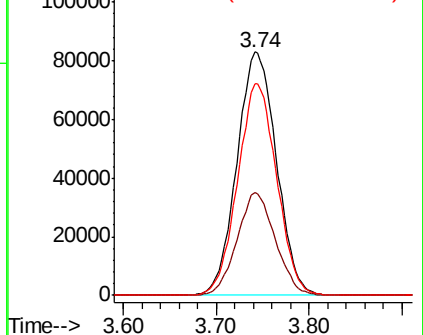
151 86.2 68.0 102.0



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 53.338 ug/l

RT: 3.94 min Scan# 673

Delta R.T. -0.00 min

Lab File: VN056999.D

Acq: 31 Jul 2019 8:55

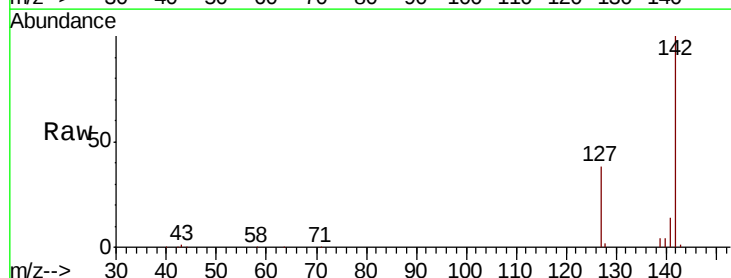
Tgt Ion:142 Resp: 350984

Ion Ratio Lower Upper

142 100

127 38.3 30.4 45.6

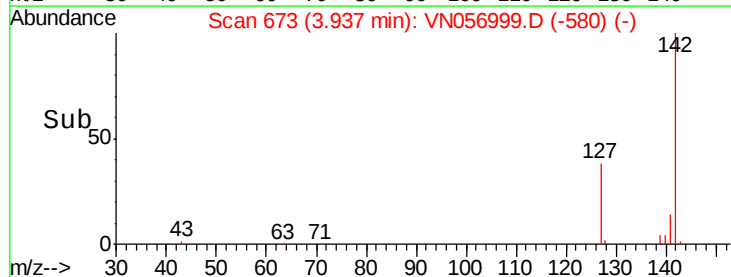
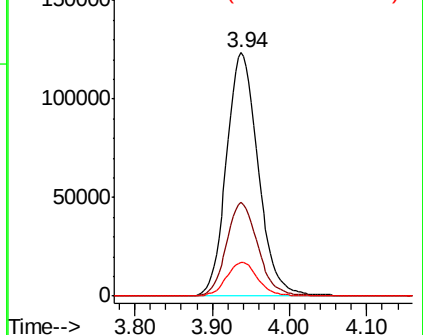
141 13.9 11.1 16.7

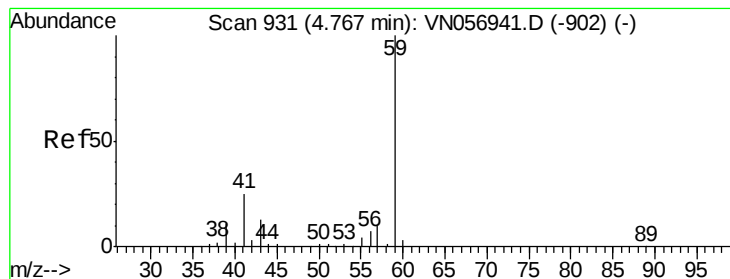


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



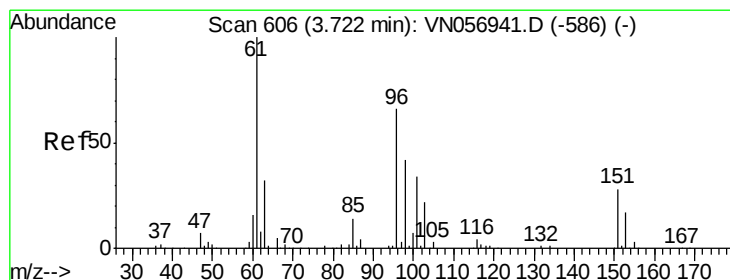
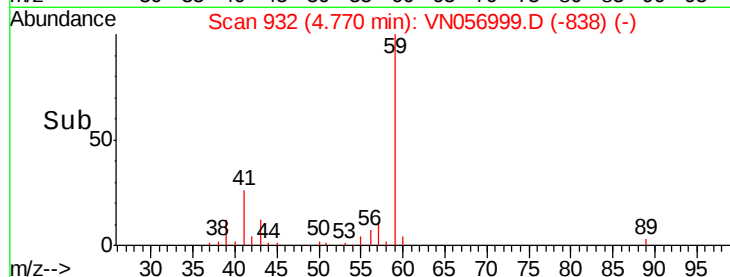
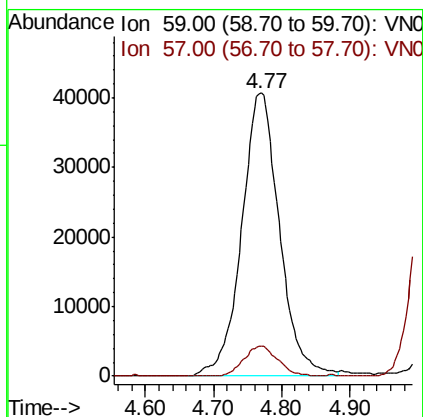
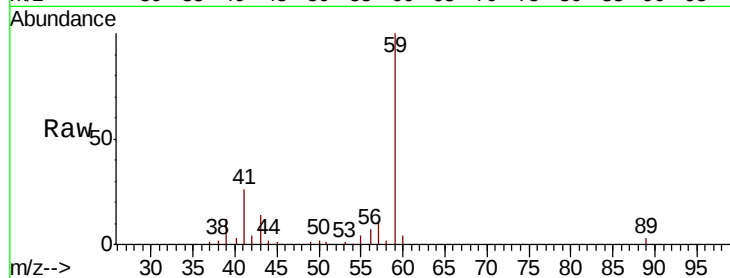


#11

Tert butyl alcohol
 Concen: 211.963 ug/l
 RT: 4.77 min Scan# 932
 Delta R.T. 0.00 min
 Lab File: VN056999.D
 Acq: 31 Jul 2019 8:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

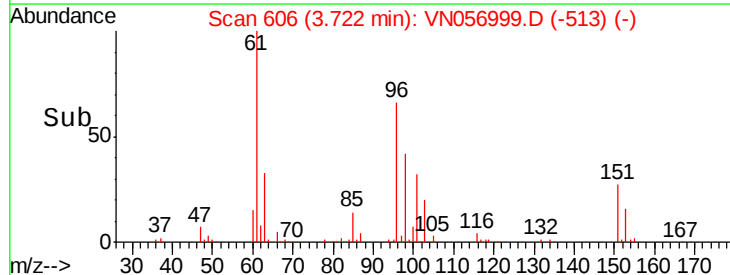
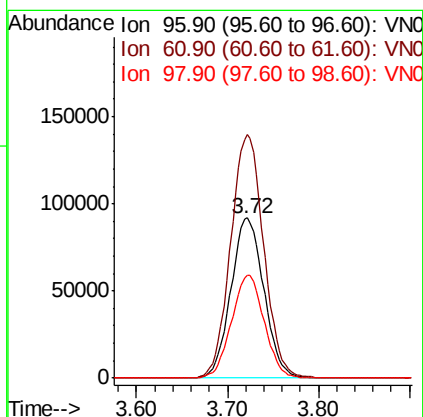
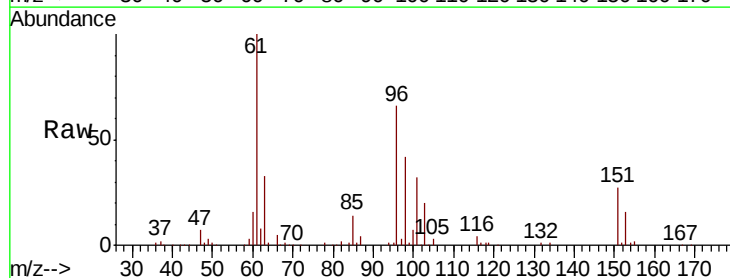
Tot Ion: 59 Resp: 156778
 Ion Ratio Lower Upper
 59 100
 57 9.6 7.5 11.3

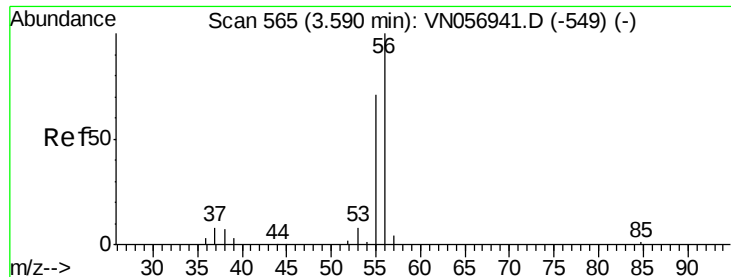


#12

1,1-Dichloroethene
 Concen: 49.407 ug/l
 RT: 3.72 min Scan# 606
 Delta R.T. -0.00 min
 Lab File: VN056999.D
 Acq: 31 Jul 2019 8:55

Tgt Ion: 96 Resp: 232157
 Ion Ratio Lower Upper
 96 100
 61 152.0 121.8 182.8
 98 64.6 51.7 77.5

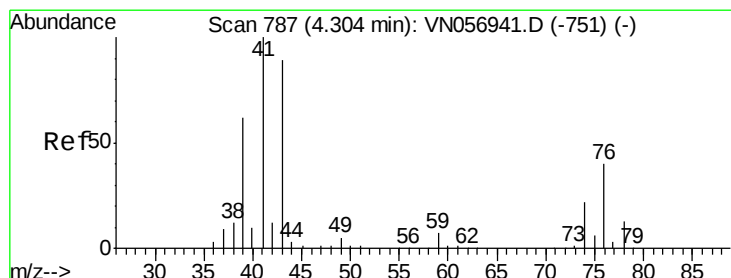
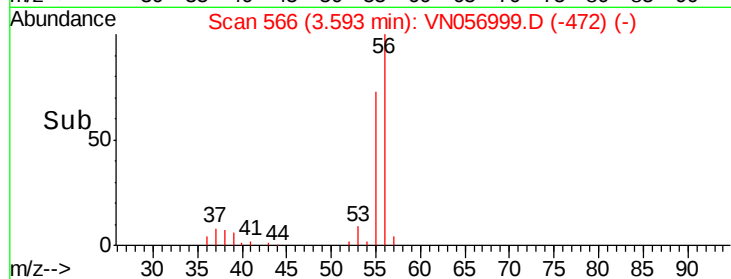
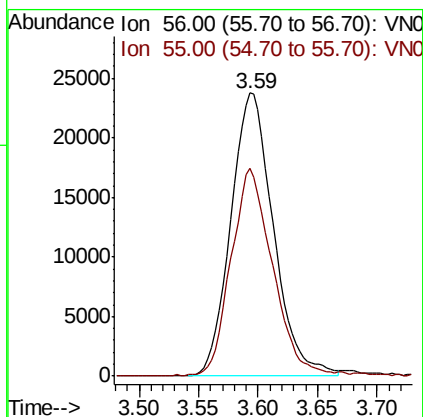
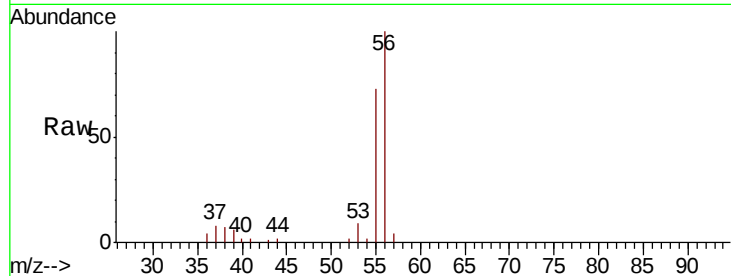




#13
Acrolein
Concen: 154.665 ug/l
RT: 3.59 min Scan# 566
Delta R.T. 0.00 min
Lab File: VN056999.D
Acq: 31 Jul 2019 8:55

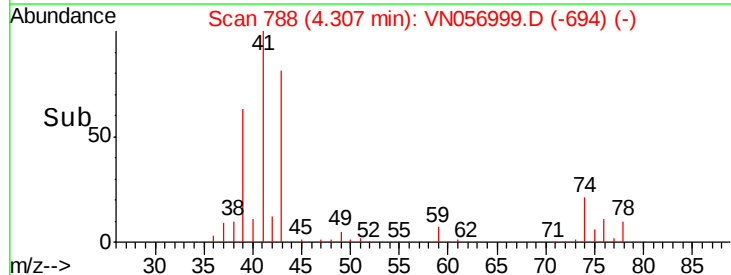
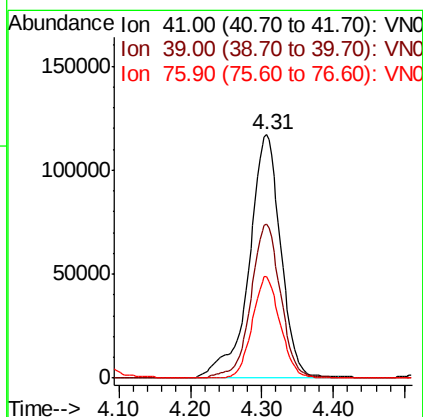
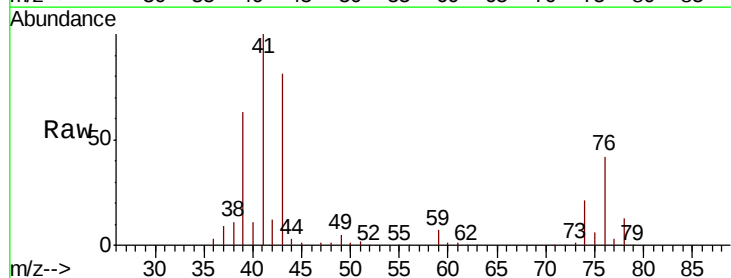
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

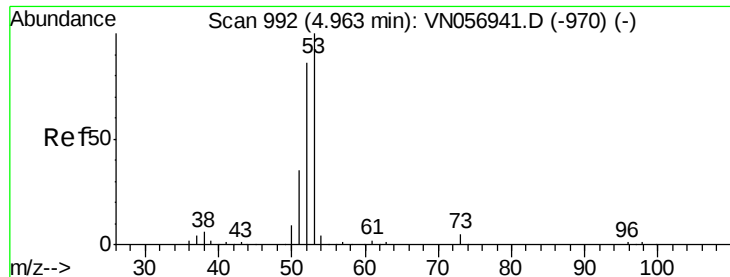
Tot Ion: 56 Resp: 59046
Ion Ratio Lower Upper
56 100
55 71.3 55.8 83.6



#14
Allyl chloride
Concen: 47.101 ug/l
RT: 4.31 min Scan# 788
Delta R.T. 0.00 min
Lab File: VN056999.D
Acq: 31 Jul 2019 8:55

Tgt Ion: 41 Resp: 360008
Ion Ratio Lower Upper
41 100
39 59.4 46.4 69.6
76 36.7 28.4 42.6





#15

Acrylonitrile

Concen: 240.267 ug/l

RT: 4.97 min Scan# 993

Delta R.T. 0.00 min

Lab File: VN056999.D

Acq: 31 Jul 2019 8:55

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

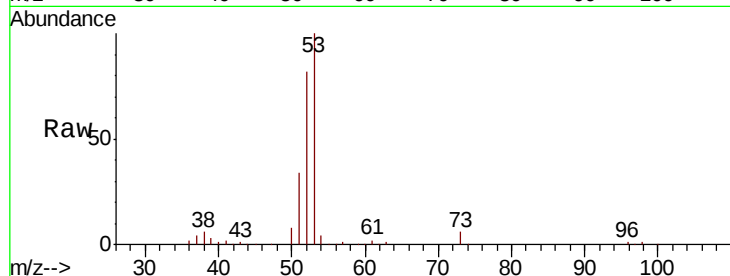
Tot Ion: 53 Resp: 521153

Ion Ratio Lower Upper

53 100

52 82.3 66.5 99.7

51 35.9 28.4 42.6



Abundance Ion 53.00 (52.70 to 53.70): VN056941.D (-970) (-)

Ion 52.00 (51.70 to 52.70): VN056941.D (-970) (-)

Ion 51.00 (50.70 to 51.70): VN056941.D (-970) (-)

4.97

200000

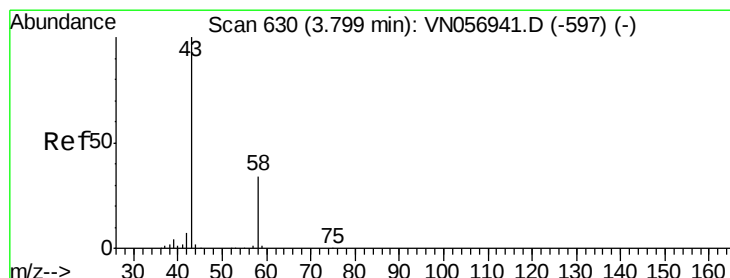
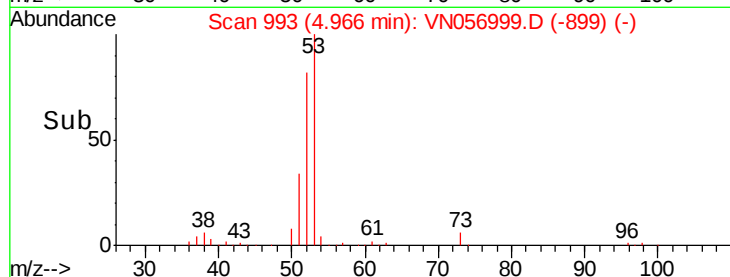
150000

100000

50000

0

Time--> 4.80 4.90 5.00 5.10



#16

Acetone

Concen: 271.424 ug/l

RT: 3.80 min Scan# 631

Delta R.T. 0.00 min

Lab File: VN056999.D

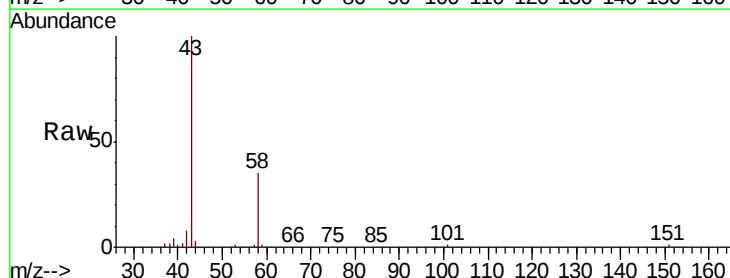
Acq: 31 Jul 2019 8:55

Tgt Ion: 43 Resp: 538074

Ion Ratio Lower Upper

43 100

58 35.0 27.2 40.8



Abundance Ion 43.00 (42.70 to 43.70): VN056941.D (-597) (-)

Ion 58.00 (57.70 to 58.70): VN056941.D (-597) (-)

3.80

200000

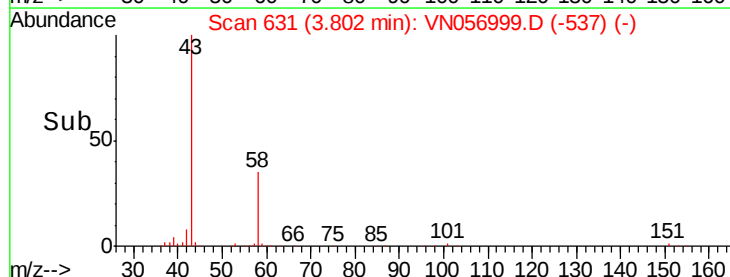
150000

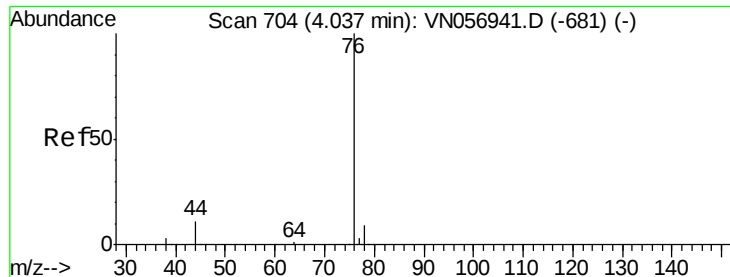
100000

50000

0

Time--> 3.70 3.80 3.90

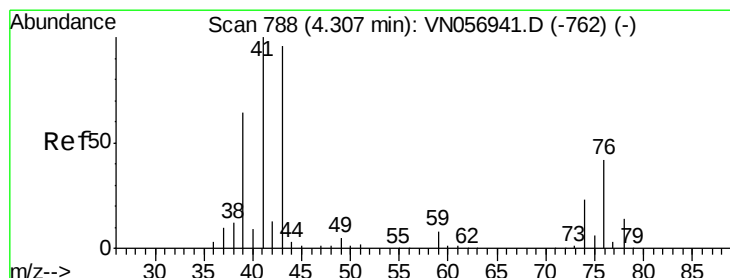
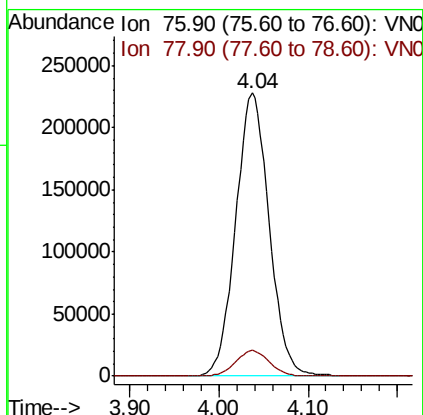
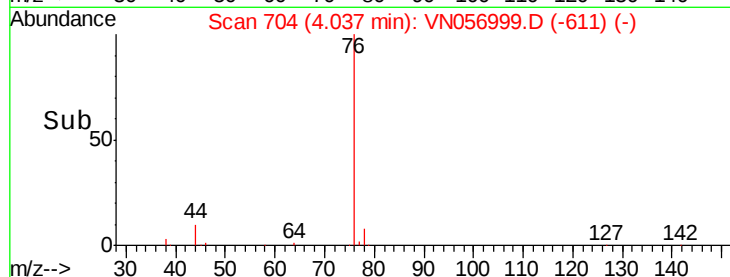
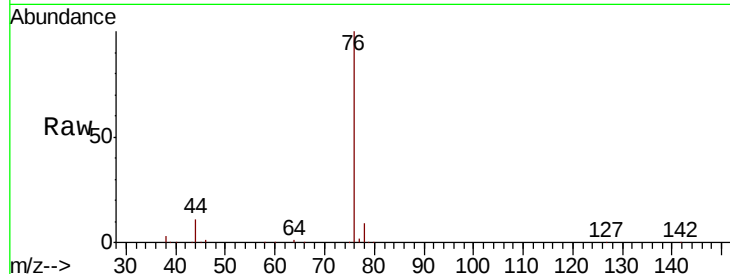




#17
Carbon Disulfide
Concen: 47.564 ug/l
RT: 4.04 min Scan# 704
Delta R.T. -0.00 min
Lab File: VN056999.D
Acq: 31 Jul 2019 8:55

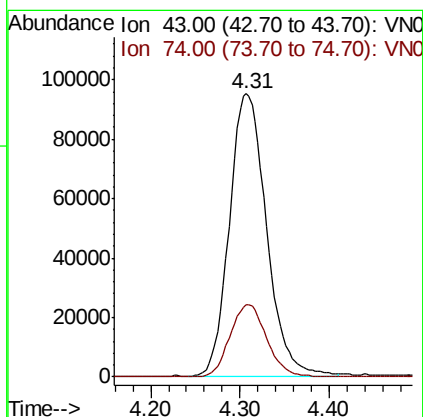
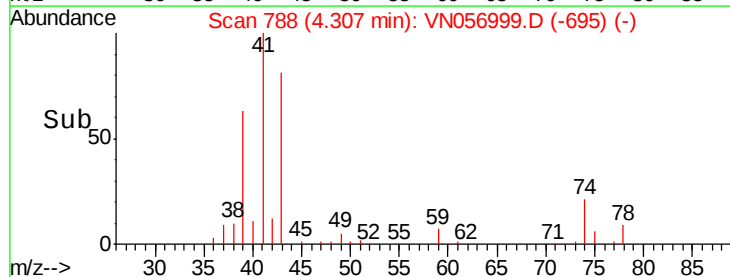
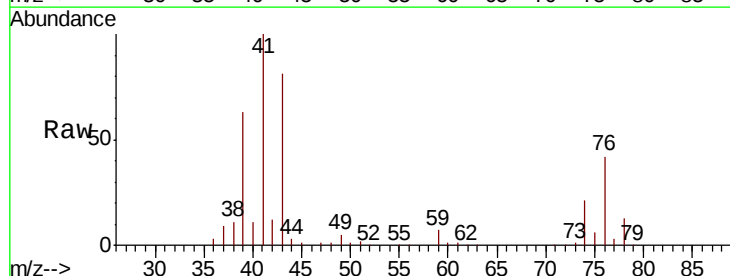
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

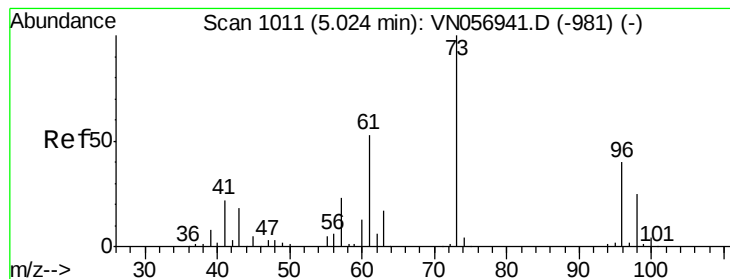
Tot Ion: 76 Resp: 593880
Ion Ratio Lower Upper
76 100
78 9.2 7.2 10.8



#18
Methyl Acetate
Concen: 43.234 ug/l
RT: 4.31 min Scan# 788
Delta R.T. -0.00 min
Lab File: VN056999.D
Acq: 31 Jul 2019 8:55

Tgt Ion: 43 Resp: 273412
Ion Ratio Lower Upper
43 100
74 25.5 19.7 29.5



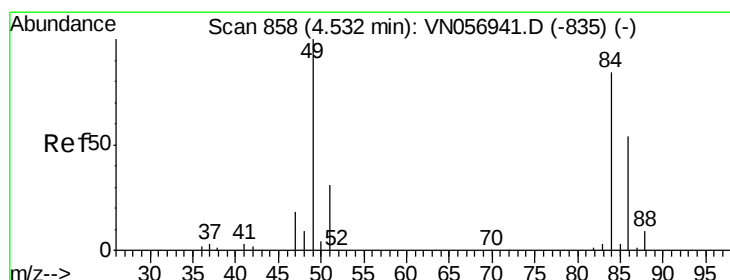
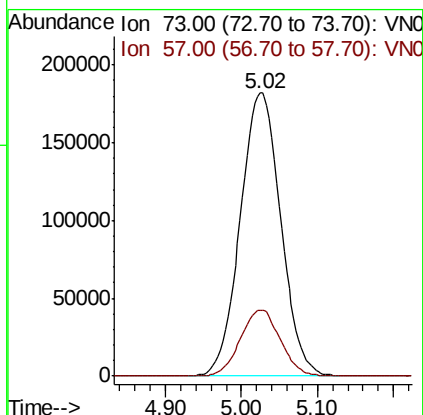
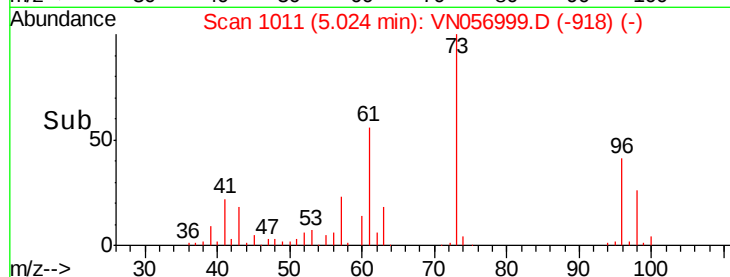
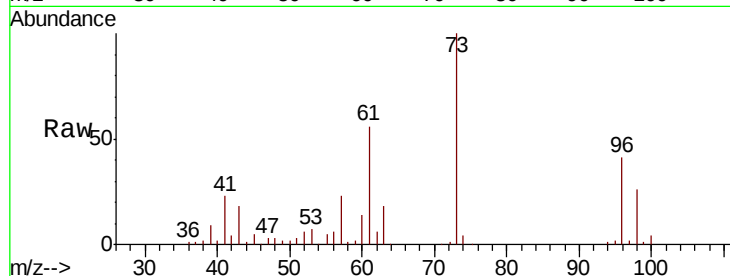


#19

Methyl tert-butyl Ether
 Concen: 48.166 ug/l
 RT: 5.02 min Scan# 1011
 Delta R.T. -0.00 min
 Lab File: VN056999.D
 Acq: 31 Jul 2019 8:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

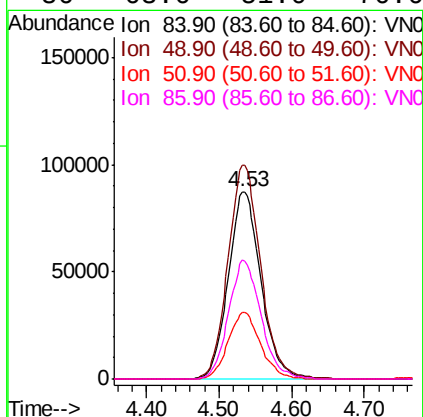
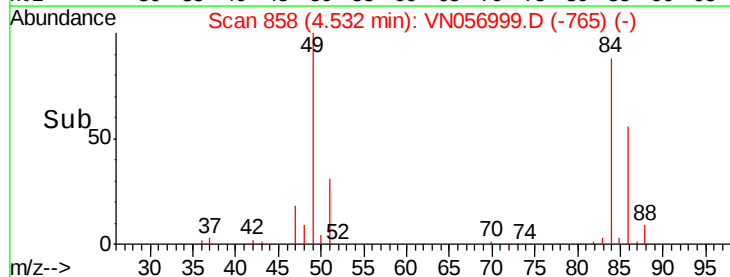
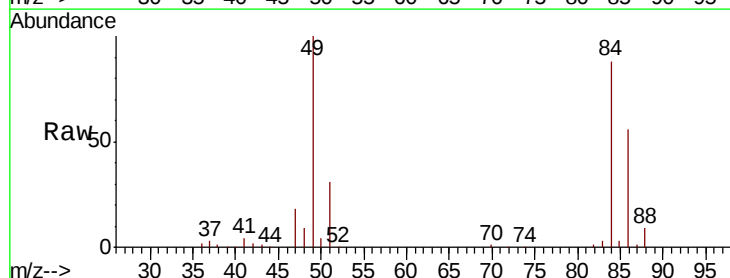
Tot Ion: 73 Resp: 674830
 Ion Ratio Lower Upper
 73 100
 57 23.2 18.3 27.5

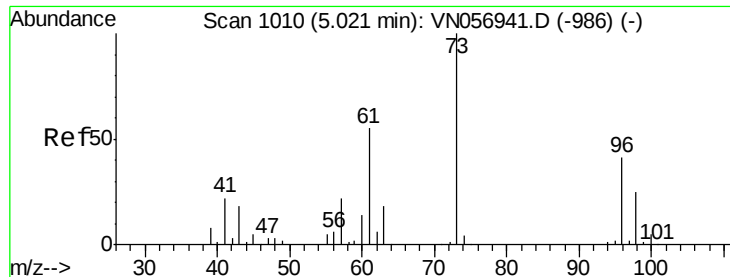


#20

Methylene Chloride
 Concen: 47.876 ug/l
 RT: 4.53 min Scan# 858
 Delta R.T. -0.00 min
 Lab File: VN056999.D
 Acq: 31 Jul 2019 8:55

Tgt Ion: 84 Resp: 273393
 Ion Ratio Lower Upper
 84 100
 49 114.1 95.2 142.8
 51 35.3 29.7 44.5
 86 63.6 51.0 76.6

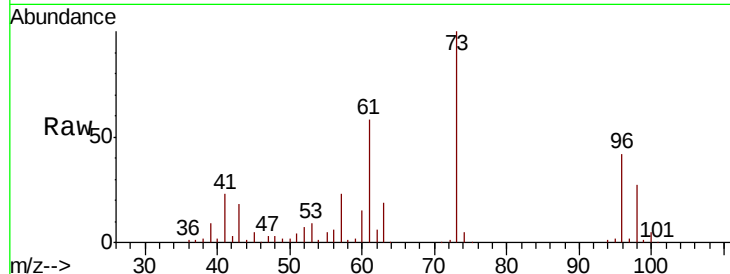




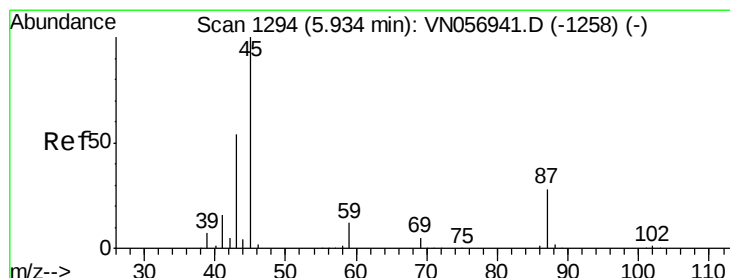
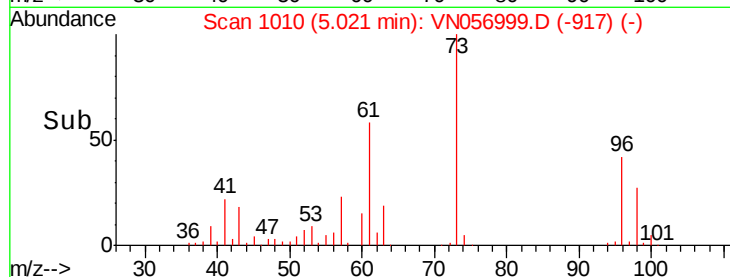
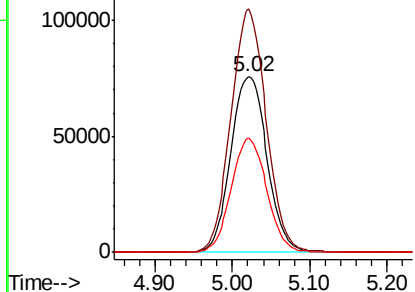
#21
trans-1,2-Dichloroethene
Concen: 49.419 ug/l
RT: 5.02 min Scan# 1010
Delta R.T. -0.00 min
Lab File: VN056999.D
Acq: 31 Jul 2019 8:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 96 Resp: 246618
Ion Ratio Lower Upper
96 100
61 138.7 107.5 161.3
98 64.8 49.9 74.9

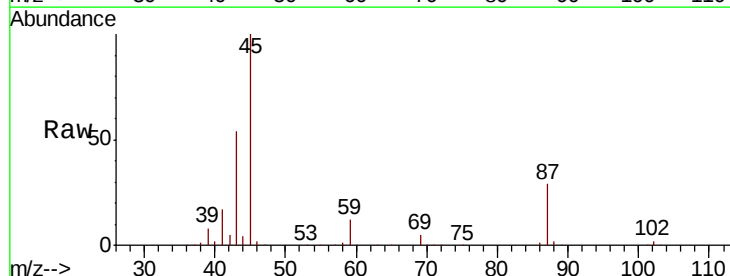


Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0

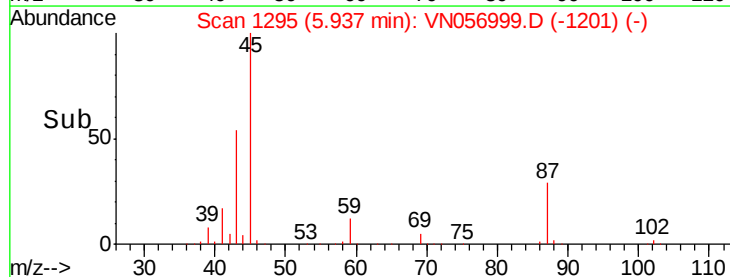
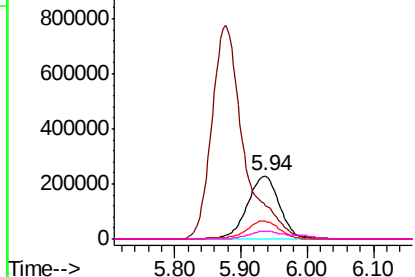


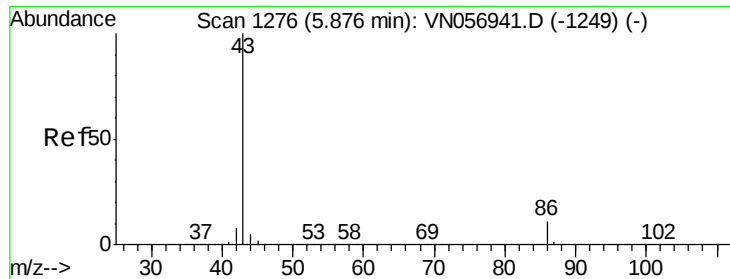
#22
Diisopropyl ether
Concen: 48.793 ug/l
RT: 5.94 min Scan# 1295
Delta R.T. 0.00 min
Lab File: VN056999.D
Acq: 31 Jul 2019 8:55

Tgt Ion: 45 Resp: 768407
Ion Ratio Lower Upper
45 100
43 53.0 44.7 67.1
87 29.0 23.0 34.6
59 11.6 9.8 14.8



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

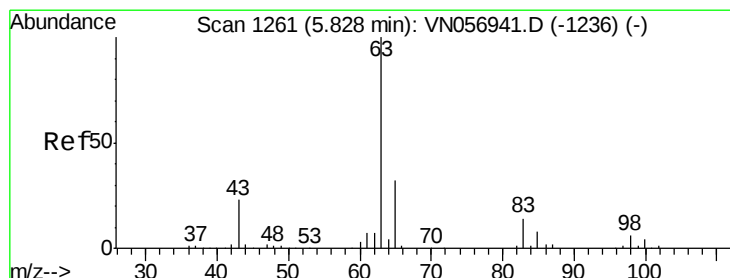
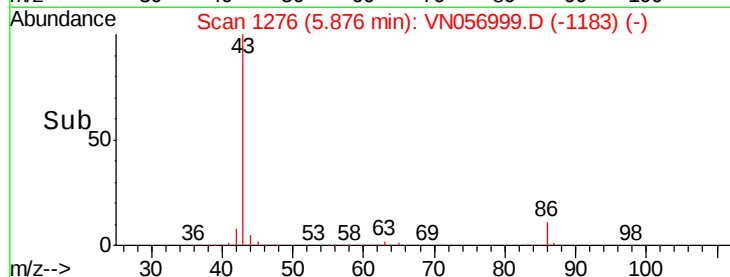
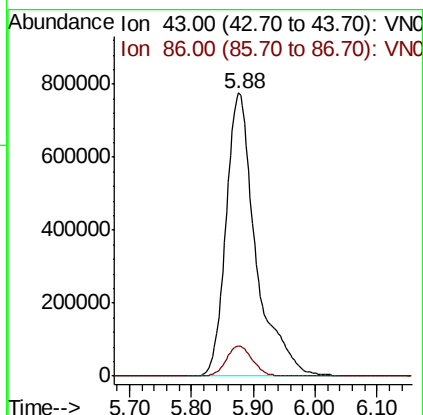
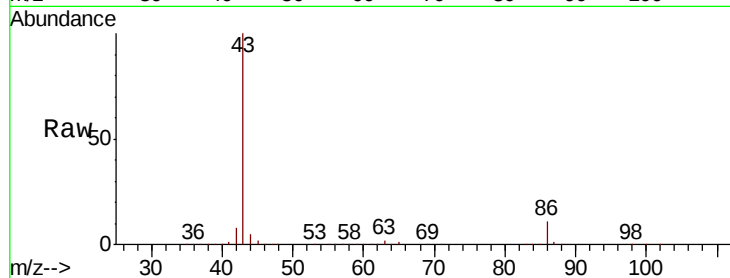




#23
 Vinyl Acetate
 Concen: 238.240 ug/l
 RT: 5.88 min Scan# 1276
 Delta R.T. -0.00 min
 Lab File: VN056999.D
 Acq: 31 Jul 2019 8:55

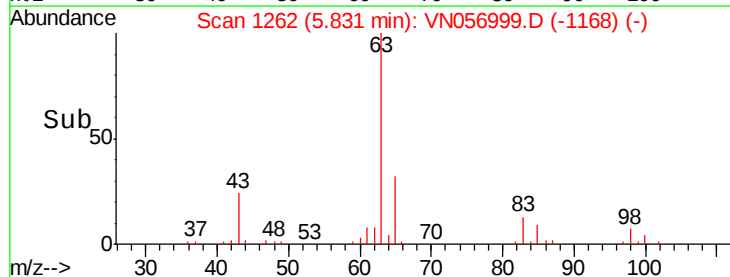
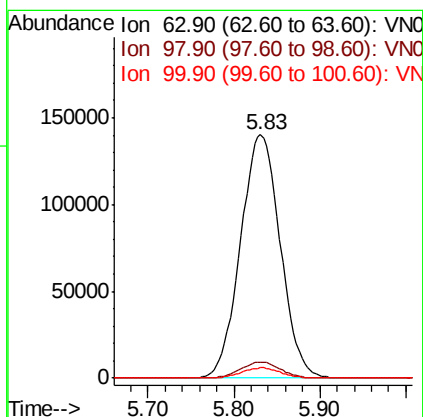
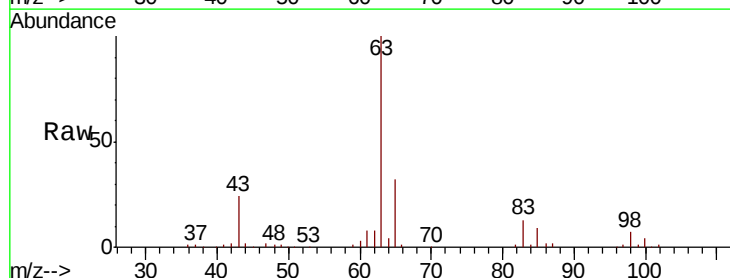
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

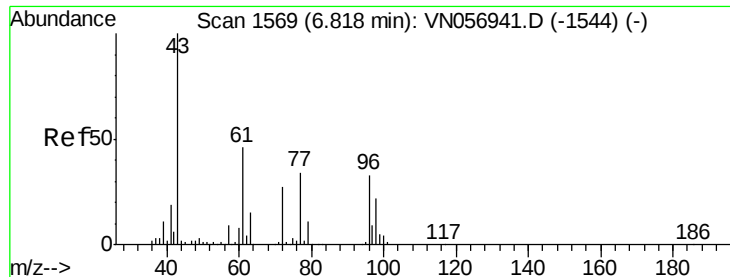
Tot Ion: 43 Resp: 2599535
 Ion Ratio Lower Upper
 43 100
 86 10.8 8.5 12.7



#24
 1,1-Dichloroethane
 Concen: 48.482 ug/l
 RT: 5.83 min Scan# 1262
 Delta R.T. 0.00 min
 Lab File: VN056999.D
 Acq: 31 Jul 2019 8:55

Tgt Ion: 63 Resp: 450479
 Ion Ratio Lower Upper
 63 100
 98 6.6 3.2 9.6
 100 4.1 2.1 6.3

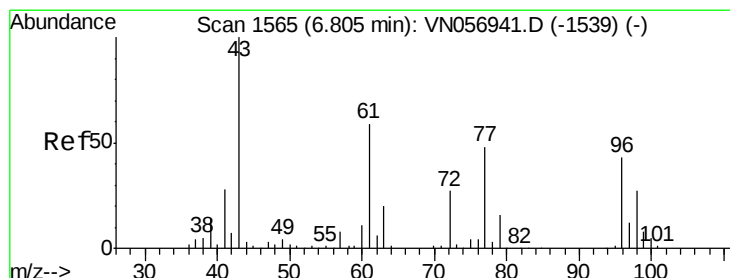
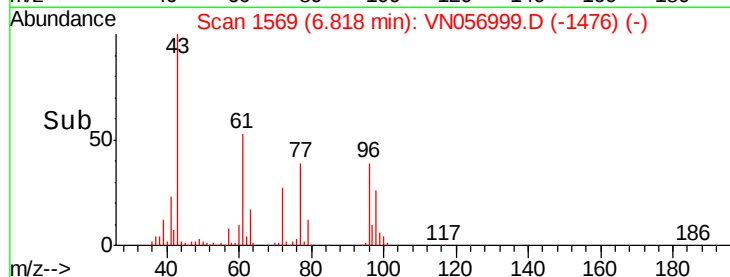
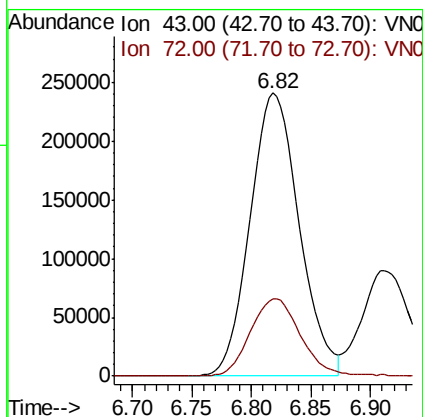
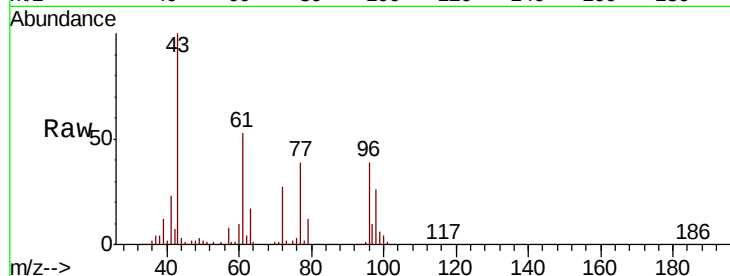




#25
2-Butanone
Concen: 244.554 ug/l
RT: 6.82 min Scan# 1569
Delta R.T. -0.00 min
Lab File: VN056999.D
Acq: 31 Jul 2019 8:55

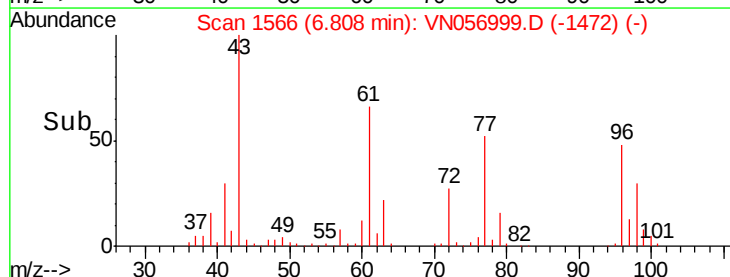
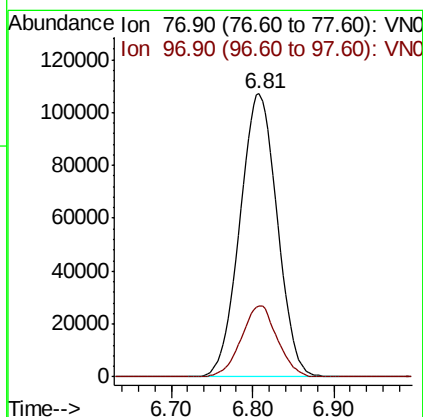
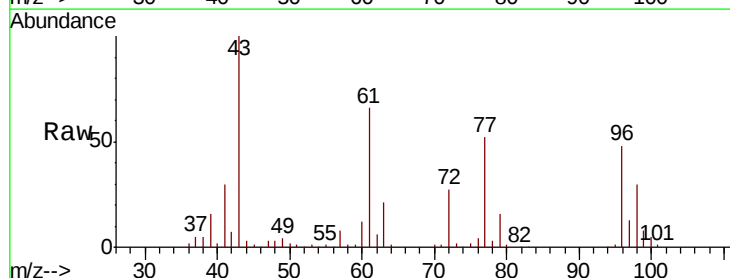
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

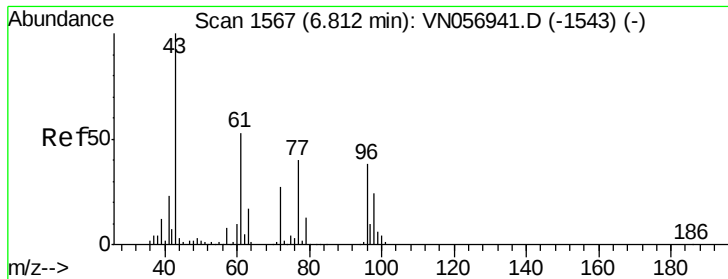
Tot Ion: 43 Resp: 687453
Ion Ratio Lower Upper
43 100
72 27.4 21.5 32.3



#26
2,2-Dichloropropane
Concen: 47.874 ug/l
RT: 6.81 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VN056999.D
Acq: 31 Jul 2019 8:55

Tgt Ion: 77 Resp: 338234
Ion Ratio Lower Upper
77 100
97 24.3 12.2 36.6





#27

cis-1,2-Dichloroethene

Concen: 48.692 ug/l

RT: 6.81 min Scan# 1567

Delta R.T. -0.00 min

Lab File: VN056999.D

Acq: 31 Jul 2019 8:55

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

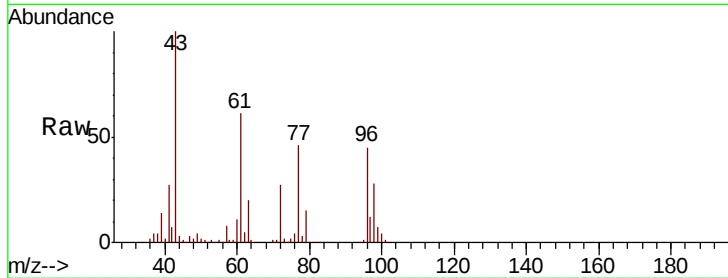
Tot Ion: 96 Resp: 287398

Ion Ratio Lower Upper

96 100

61 138.6 0.0 277.2

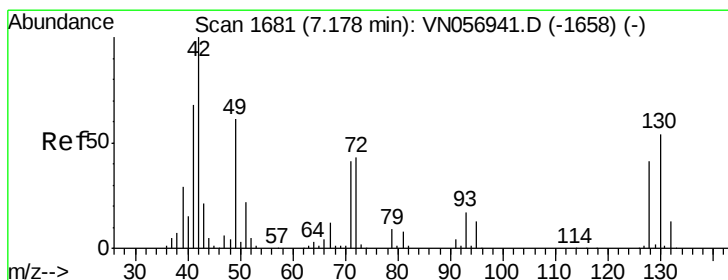
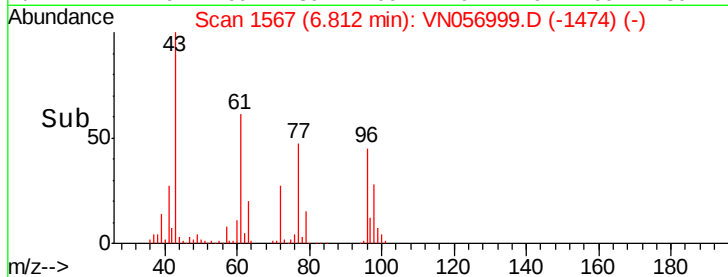
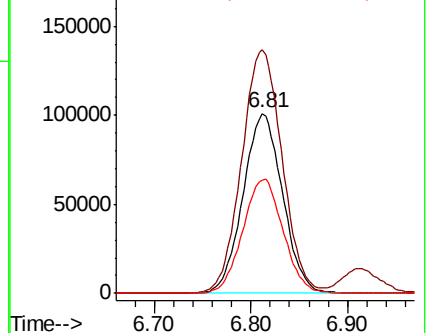
98 65.0 0.0 128.4



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 45.809 ug/l

RT: 7.18 min Scan# 1681

Delta R.T. -0.00 min

Lab File: VN056999.D

Acq: 31 Jul 2019 8:55

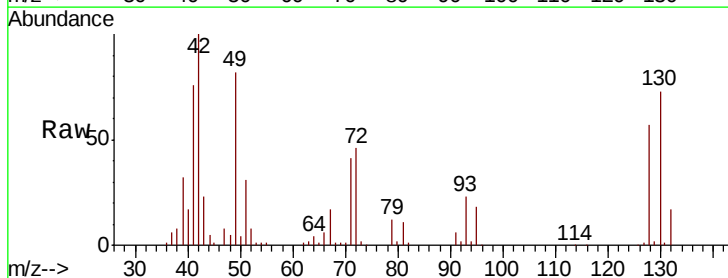
Tgt Ion: 49 Resp: 200071

Ion Ratio Lower Upper

49 100

129 2.2 0.0 4.6

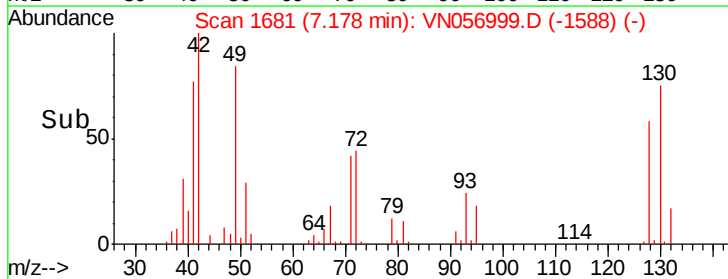
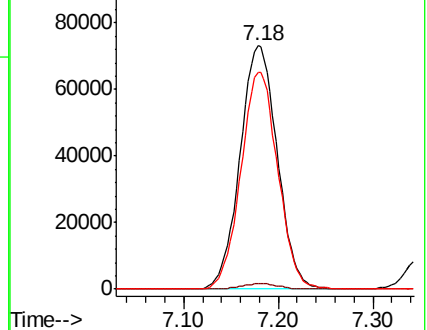
130 88.3 69.0 103.4

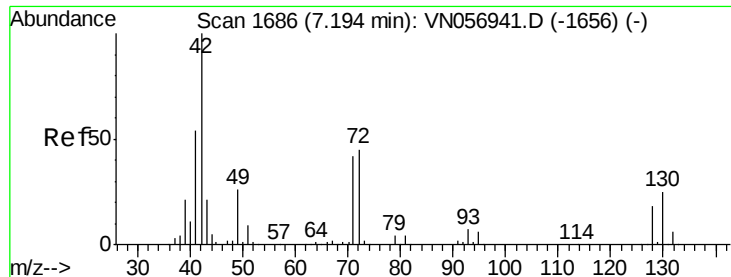


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

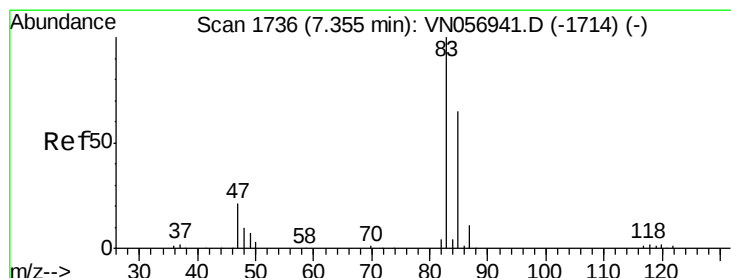
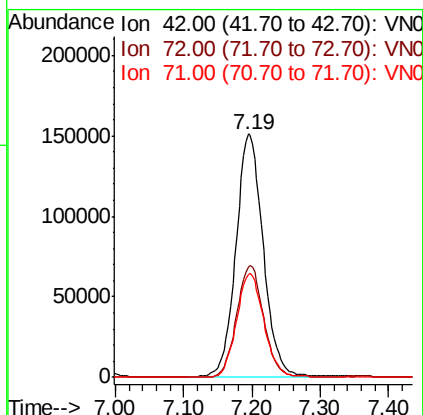
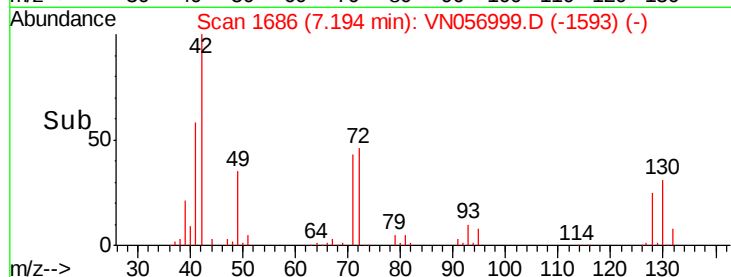
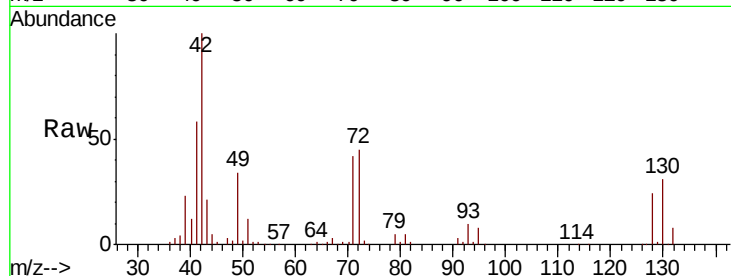




#29
Tetrahydrofuran
Concen: 228.456 ug/l
RT: 7.19 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VN056999.D
Acq: 31 Jul 2019 8:55

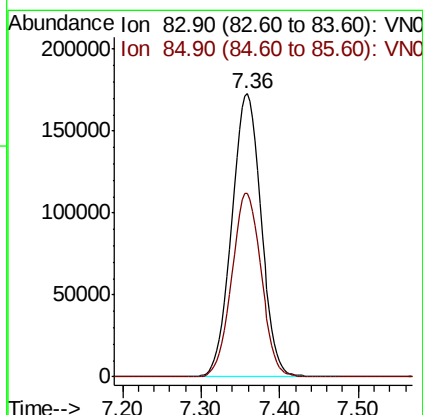
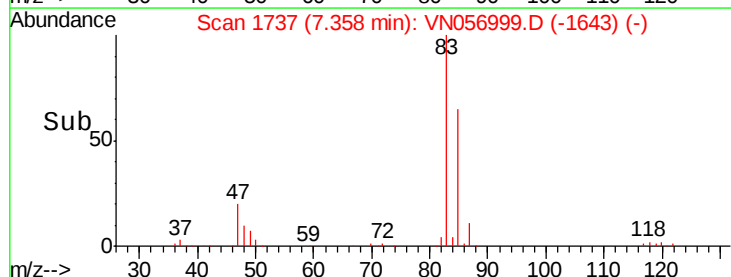
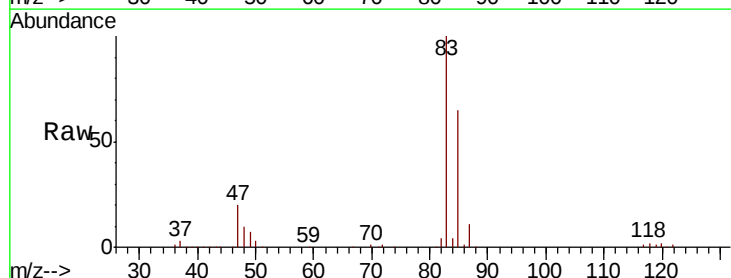
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

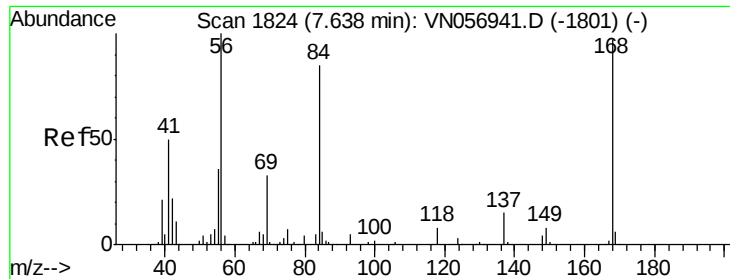
Tot Ion: 42 Resp: 419002
Ion Ratio Lower Upper
42 100
72 45.8 35.6 53.4
71 42.9 33.5 50.3



#30
Chloroform
Concen: 47.482 ug/l
RT: 7.36 min Scan# 1737
Delta R.T. 0.00 min
Lab File: VN056999.D
Acq: 31 Jul 2019 8:55

Tgt Ion: 83 Resp: 451086
Ion Ratio Lower Upper
83 100
85 64.7 52.2 78.2





#31

Cyclohexane

Concen: 46.205 ug/l

RT: 7.64 min Scan# 1824

Delta R.T. -0.00 min

Lab File: VN056999.D

Acq: 31 Jul 2019 8:55

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

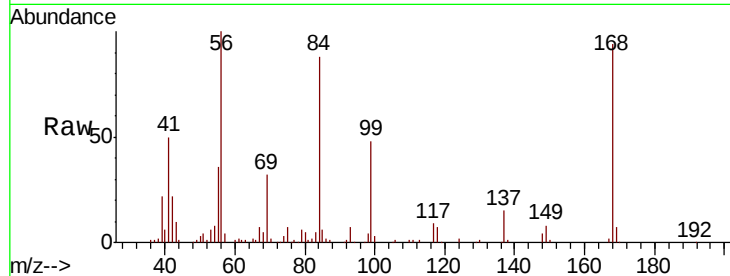
Tot Ion: 56 Resp: 415445

Ion Ratio Lower Upper

56 100

69 32.3 26.2 39.2

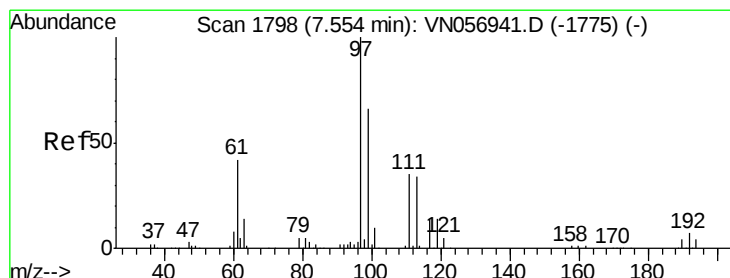
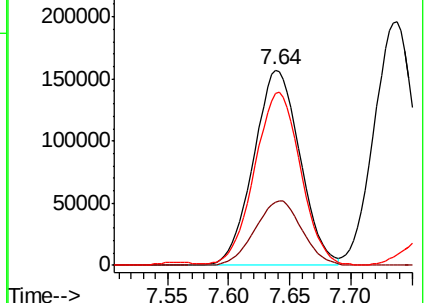
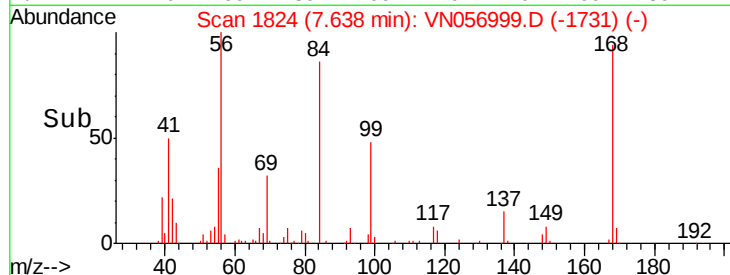
84 86.7 68.2 102.2



Abundance Ion 56.00 (55.70 to 56.70): VN056999.D (-1731) (-)

Ion 69.00 (68.70 to 69.70): VN056999.D (-1731) (-)

Ion 84.00 (83.70 to 84.70): VN056999.D (-1731) (-)



#32

1,1,1-Trichloroethane

Concen: 49.526 ug/l

RT: 7.56 min Scan# 1799

Delta R.T. 0.00 min

Lab File: VN056999.D

Acq: 31 Jul 2019 8:55

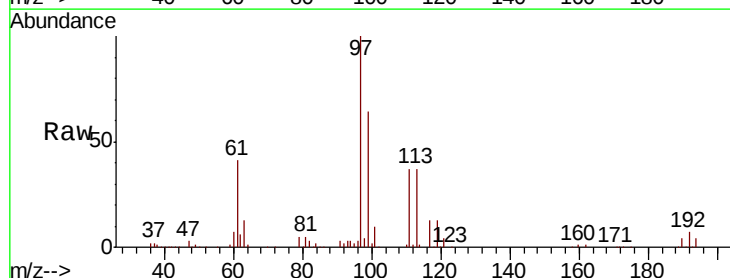
Tgt Ion: 97 Resp: 375411

Ion Ratio Lower Upper

97 100

99 64.2 52.3 78.5

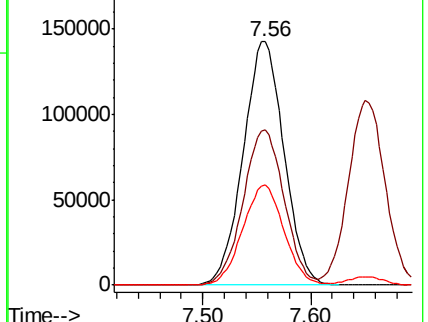
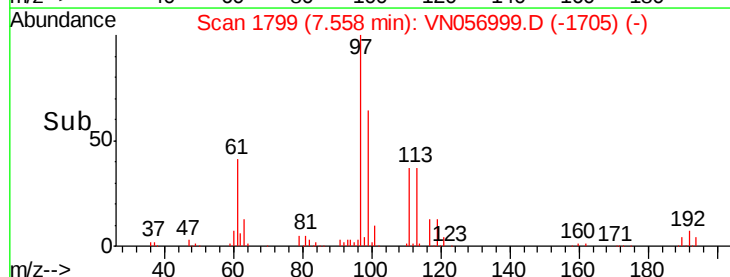
61 41.6 33.9 50.9

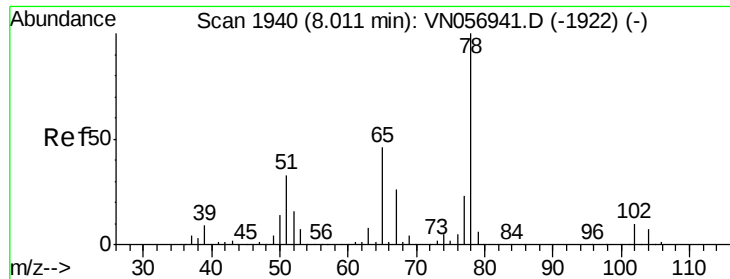


Abundance Ion 96.90 (96.60 to 97.60): VN056999.D (-1705) (-)

Ion 98.90 (98.60 to 99.60): VN056999.D (-1705) (-)

Ion 60.90 (60.60 to 61.60): VN056999.D (-1705) (-)

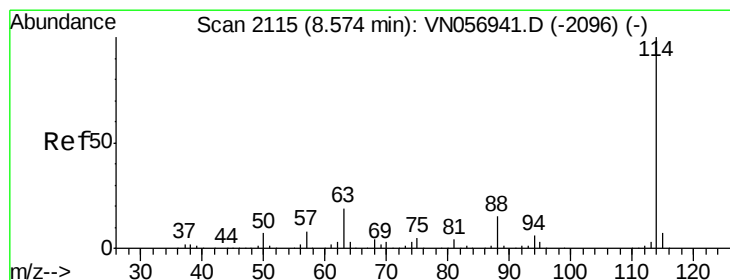
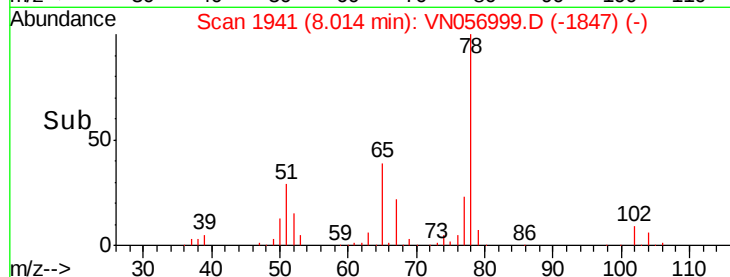
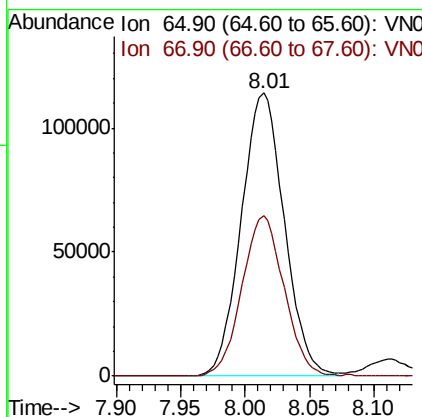
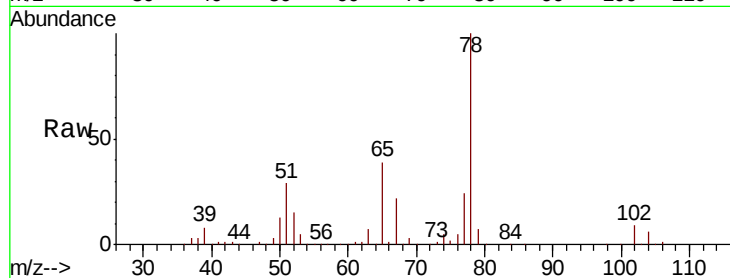




#33
 1,2-Dichloroethane-d4
 Concen: 48.551 ug/l
 RT: 8.01 min Scan# 1941
 Delta R.T. 0.00 min
 Lab File: VN056999.D
 Acq: 31 Jul 2019 8:55

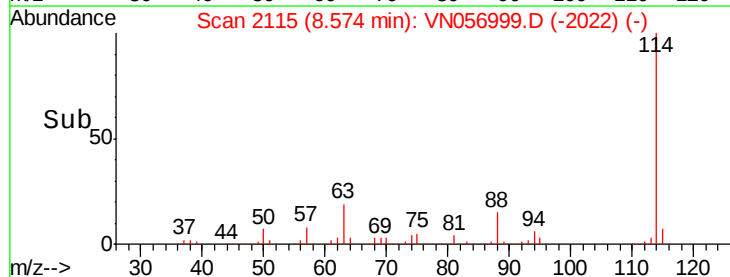
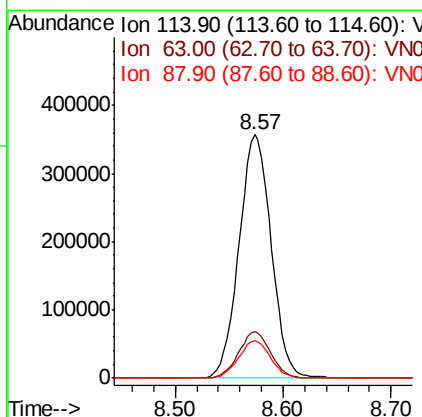
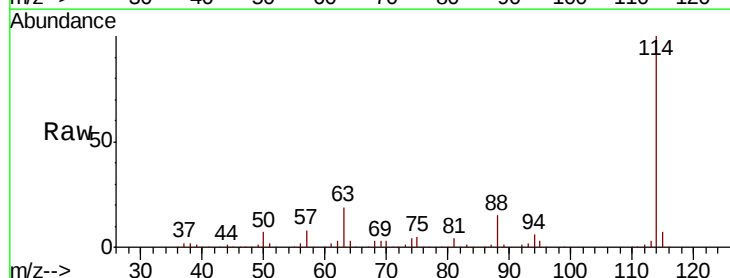
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

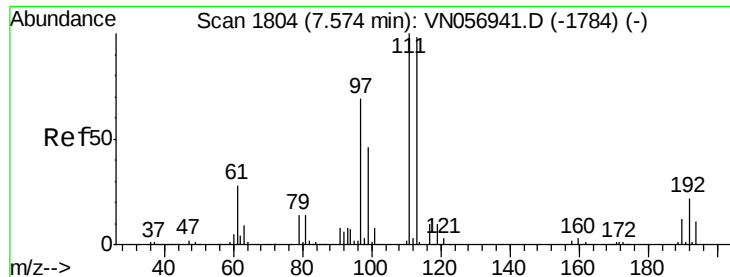
Tot Ion: 65 Resp: 265672
 Ion Ratio Lower Upper
 65 100
 67 55.4 0.0 112.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. -0.00 min
 Lab File: VN056999.D
 Acq: 31 Jul 2019 8:55

Tgt Ion: 114 Resp: 740883
 Ion Ratio Lower Upper
 114 100
 63 19.2 0.0 38.0
 88 15.3 0.0 30.0





#35

Dibromofluoromethane

Concen: 52.872 ug/l

RT: 7.58 min Scan# 1805

Delta R.T. 0.00 min

Lab File: VN056999.D

Acq: 31 Jul 2019 8:55

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

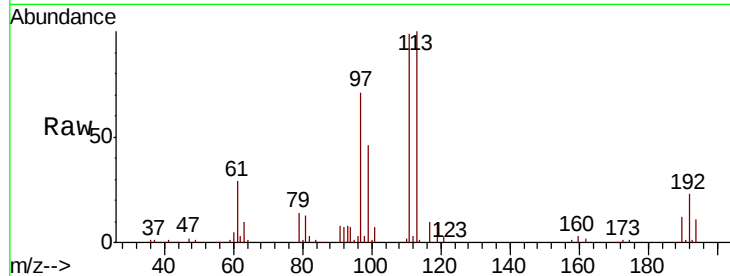
Tot Ion:113 Resp: 250768

Ion Ratio Lower Upper

113 100

111 101.9 82.0 123.0

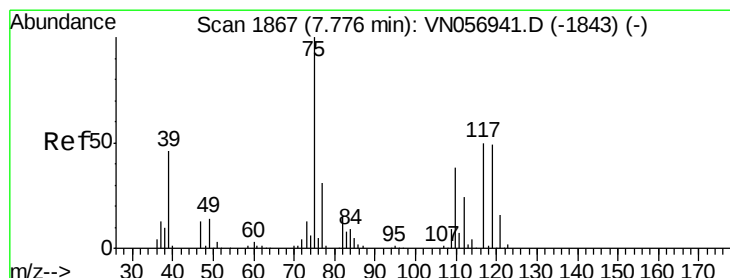
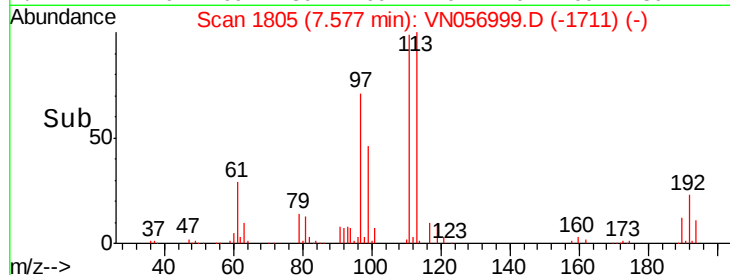
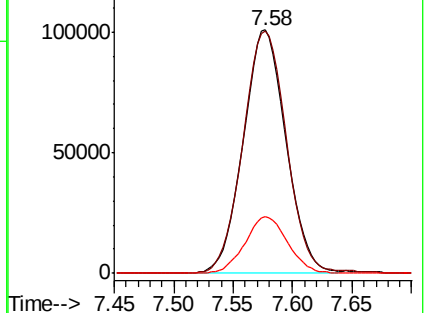
192 23.2 18.4 27.6



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 52.366 ug/l

RT: 7.78 min Scan# 1868

Delta R.T. 0.00 min

Lab File: VN056999.D

Acq: 31 Jul 2019 8:55

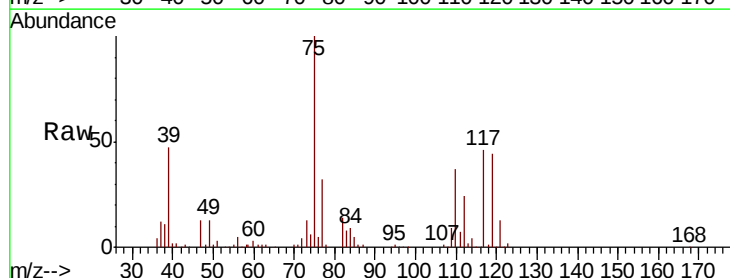
Tgt Ion: 75 Resp: 341389

Ion Ratio Lower Upper

75 100

110 37.6 18.6 55.8

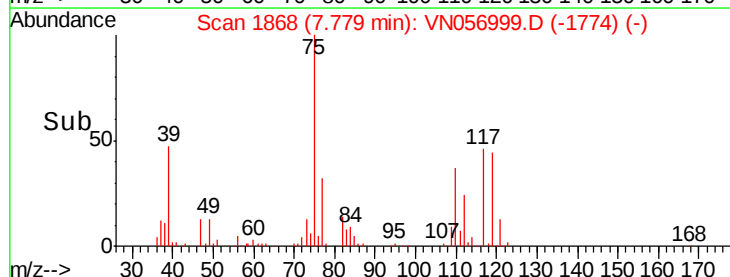
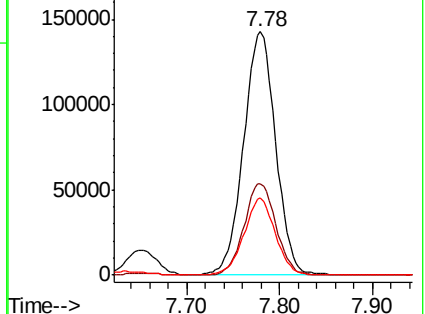
77 31.1 25.2 37.8

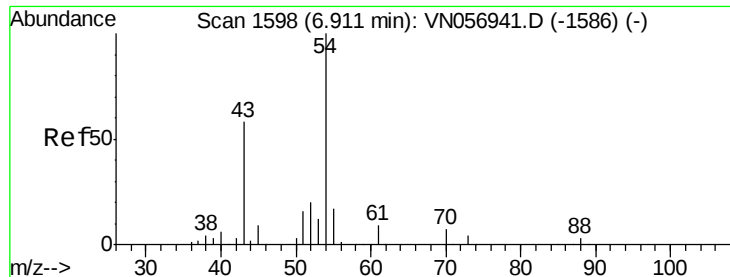


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

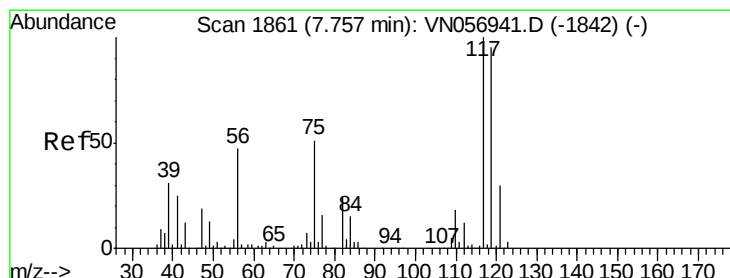
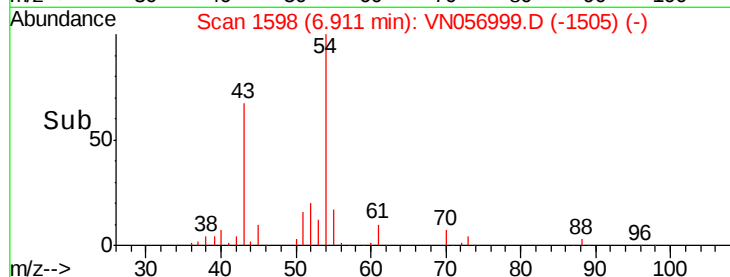
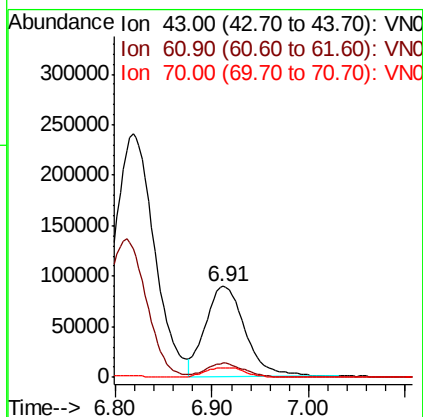
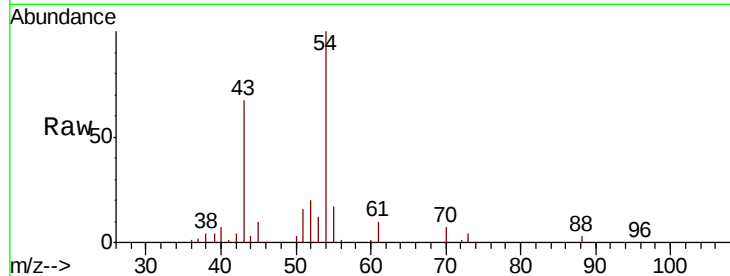




#37
Ethyl Acetate
Concen: 48.892 ug/l
RT: 6.91 min Scan# 1598
Delta R.T. -0.00 min
Lab File: VN056999.D
Acq: 31 Jul 2019 8:55

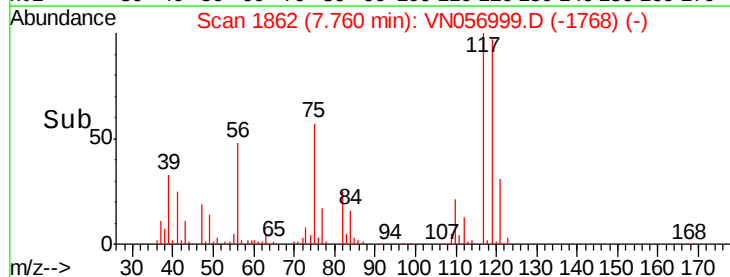
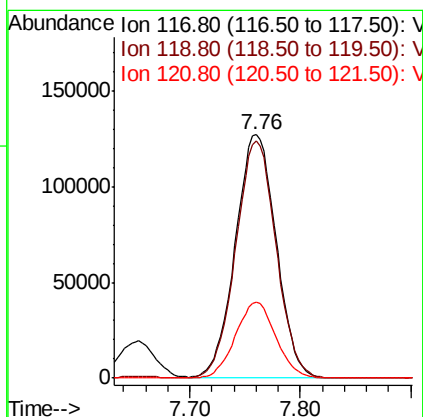
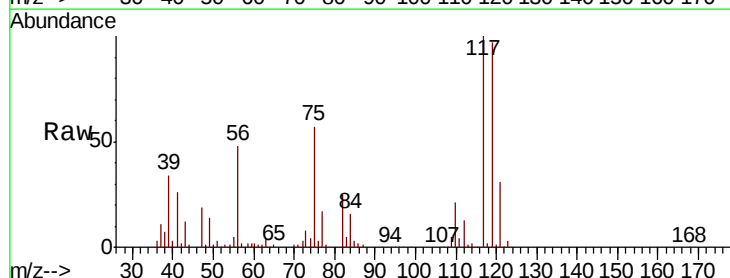
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

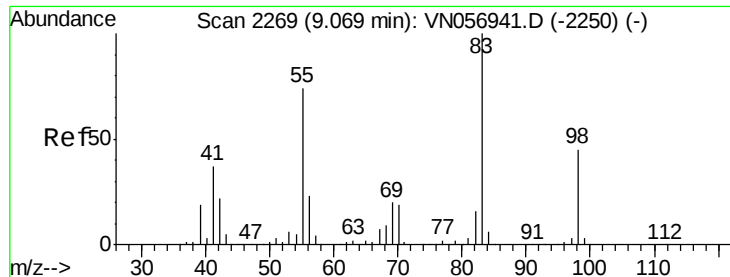
Tot Ion: 43 Resp: 255281
Ion Ratio Lower Upper
43 100
61 15.0 11.8 17.6
70 11.1 8.5 12.7



#38
Carbon Tetrachloride
Concen: 53.015 ug/l
RT: 7.76 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VN056999.D
Acq: 31 Jul 2019 8:55

Tgt Ion: 117 Resp: 326921
Ion Ratio Lower Upper
117 100
119 97.2 75.3 112.9
121 31.4 24.2 36.4

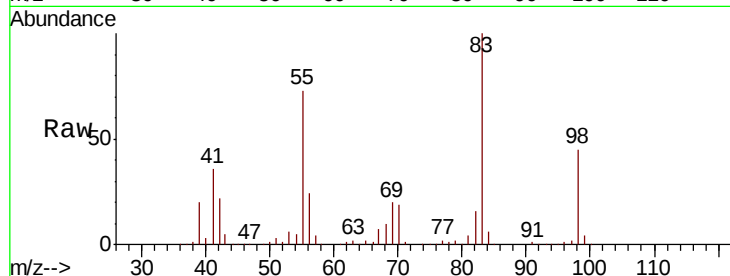




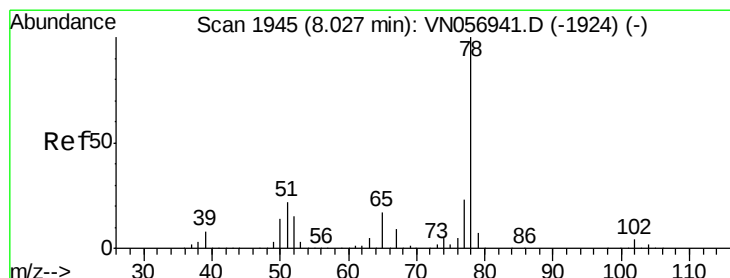
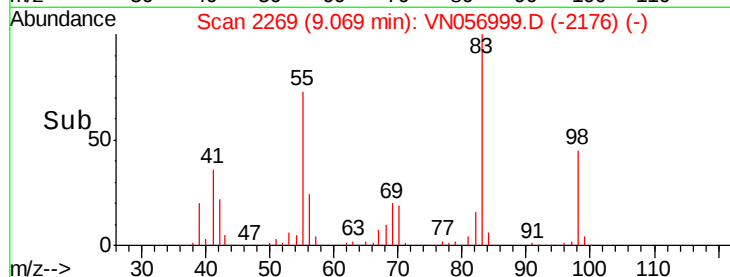
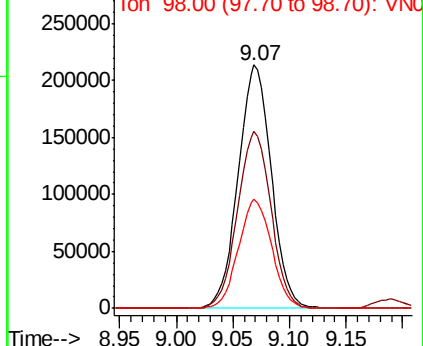
#39
Methvlcvclohexane
Concen: 52.341 ug/l
RT: 9.07 min Scan# 2269
Delta R.T. -0.00 min
Lab File: VN056999.D
Acq: 31 Jul 2019 8:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 83 Resp: 436117
Ion Ratio Lower Upper
83 100
55 72.5 59.0 88.6
98 44.9 36.2 54.4

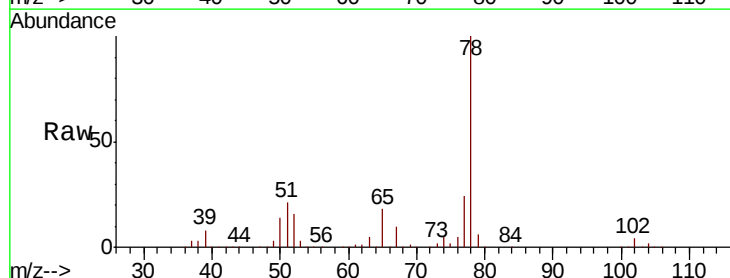


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

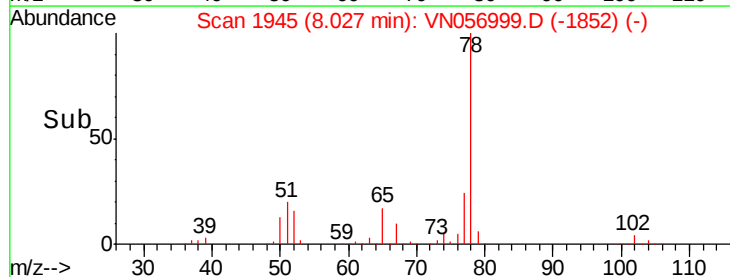
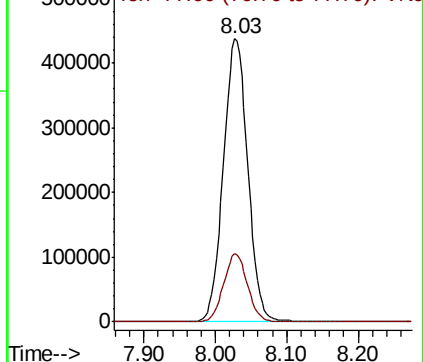


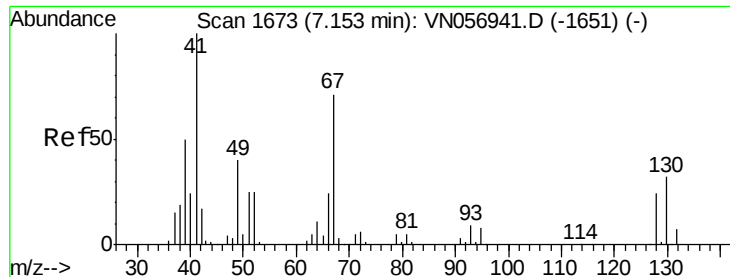
#40
Benzene
Concen: 51.848 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. -0.00 min
Lab File: VN056999.D
Acq: 31 Jul 2019 8:55

Tgt Ion: 78 Resp: 1041079
Ion Ratio Lower Upper
78 100
77 24.0 18.3 27.5



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

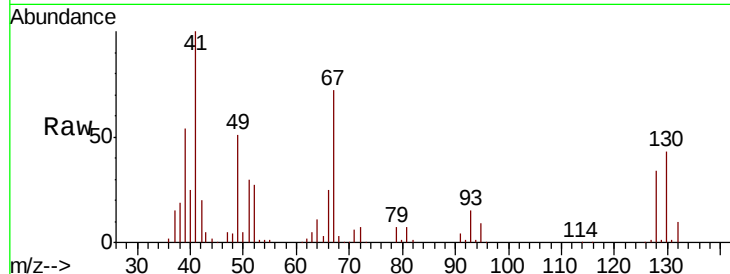




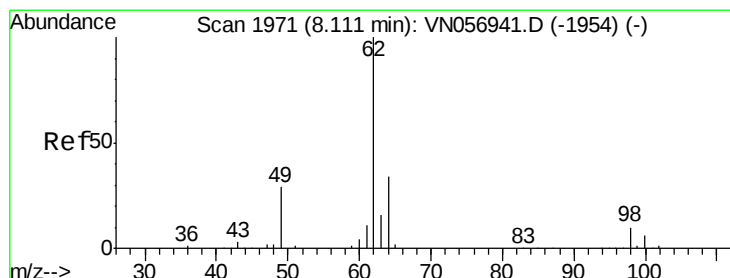
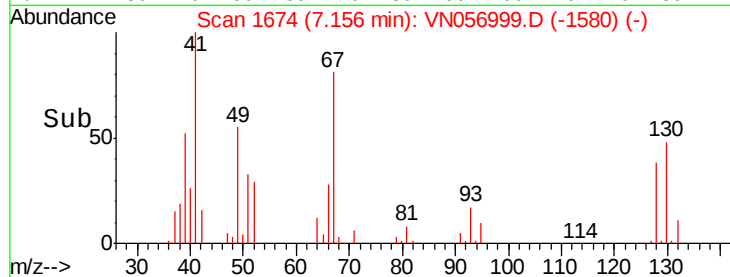
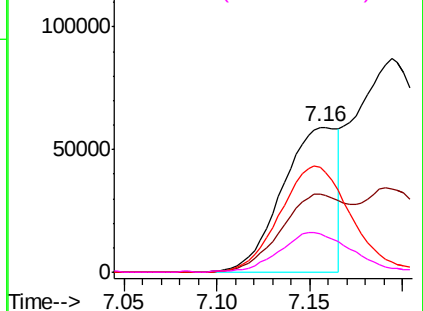
#41
Methacrylonitrile
Concen: 51.163 ug/l
RT: 7.16 min Scan# 1674
Delta R.T. 0.00 min
Lab File: VN056999.D
Acq: 31 Jul 2019 8:55

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion:	41	Resp:	123496
Ion	Ratio	Lower	Upper
41	100		
39	66.9	48.9	73.3
67	93.8	83.4	125.0
52	35.3	30.9	46.3

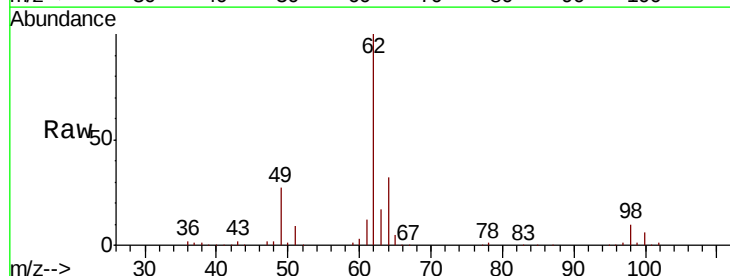


Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 67.00 (66.70 to 67.70): VNO
Ion 52.00 (51.70 to 52.70): VNO

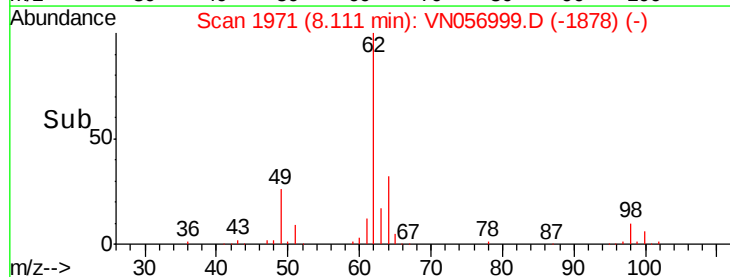
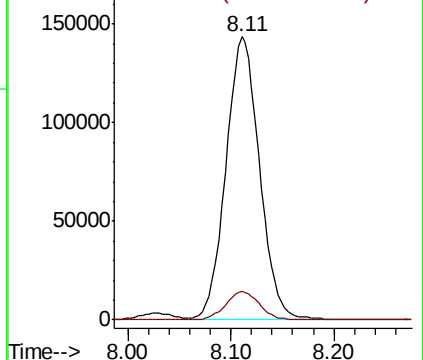


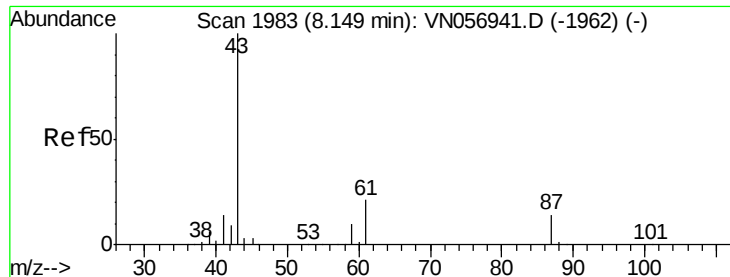
#42
1,2-Dichloroethane
Concen: 51.451 ug/l
RT: 8.11 min Scan# 1971
Delta R.T. -0.00 min
Lab File: VN056999.D
Acq: 31 Jul 2019 8:55

Tgt Ion:	62	Resp:	323790
Ion	Ratio	Lower	Upper
62	100		
98	10.1	0.0	20.6



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





#43

Isopropyl Acetate

Concen: 48.129 ug/l

RT: 8.15 min Scan# 1984

Delta R.T. 0.00 min

Lab File: VN056999.D

Acq: 31 Jul 2019 8:55

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

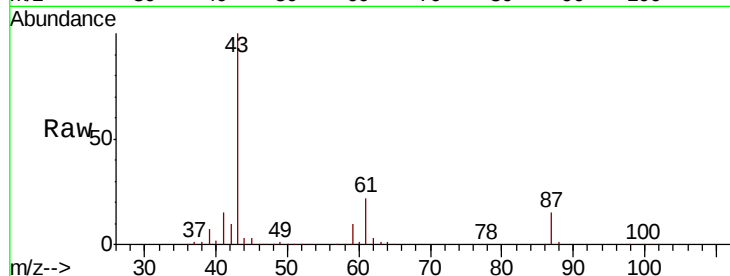
Tot Ion: 43 Resp: 415349

Ion Ratio Lower Upper

43 100

61 22.9 23.0 34.6#

87 14.5 11.7 17.5

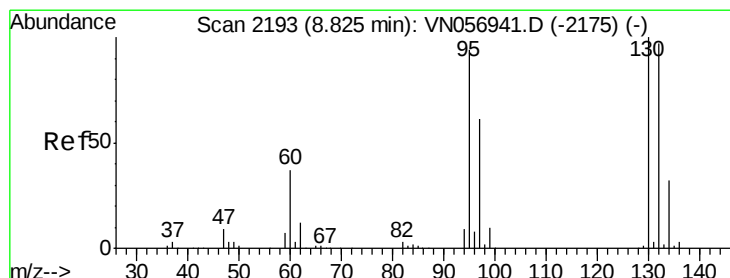
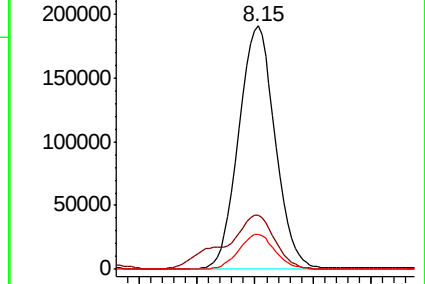
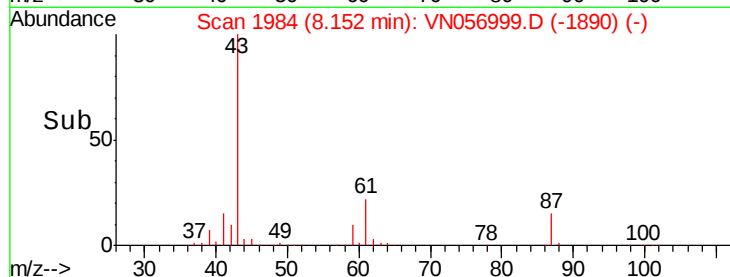


Abundance Ion 43.00 (42.70 to 43.70): VN056941.D (-1962) (-)

Ion 61.00 (60.70 to 61.70): VN056941.D (-1962) (-)

Ion 87.00 (86.70 to 87.70): VN056941.D (-1962) (-)

Time-->



#44

Trichloroethene

Concen: 53.189 ug/l

RT: 8.82 min Scan# 2193

Delta R.T. -0.00 min

Lab File: VN056999.D

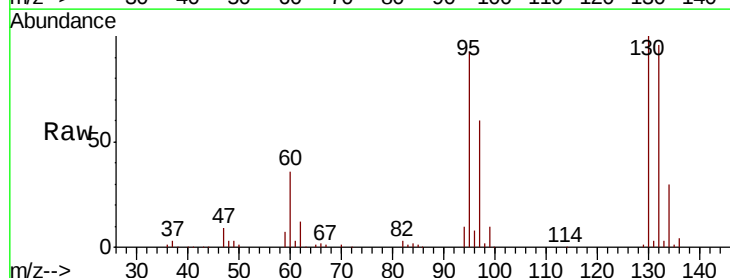
Acq: 31 Jul 2019 8:55

Tgt Ion:130 Resp: 294237

Ion Ratio Lower Upper

130 100

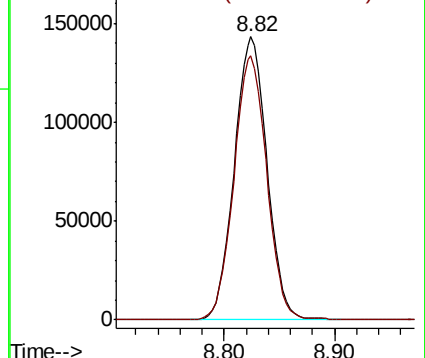
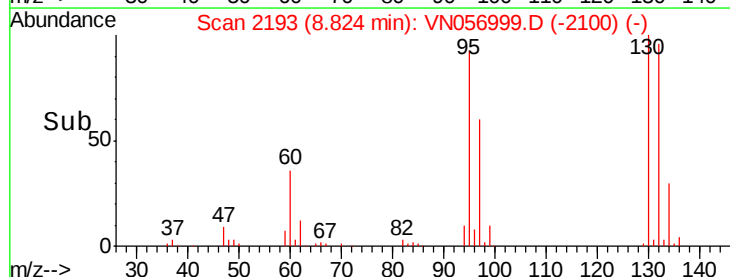
95 93.1 0.0 189.0

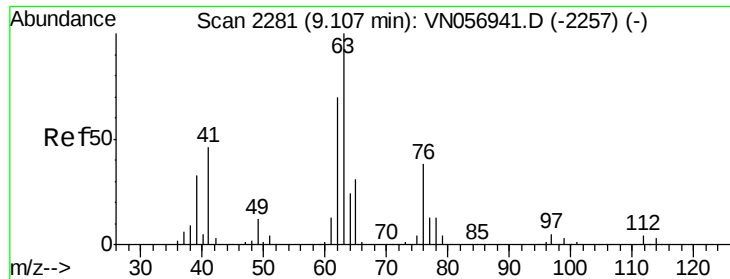


Abundance Ion 129.80 (129.50 to 130.50): VN056941.D (-2175) (-)

Ion 94.90 (94.60 to 95.60): VN056941.D (-2175) (-)

Time-->





#45

1,2-Dichloropropane

Concen: 51.814 ug/l

RT: 9.11 min Scan# 2281

Delta R.T. -0.00 min

Lab File: VN056999.D

Acq: 31 Jul 2019 8:55

Instrument :

MSVOA_N

ClientSampleId :

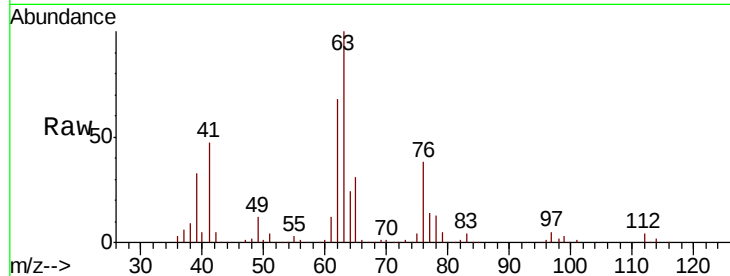
VSTDCCC050

Tot Ion: 63 Resp: 278285

Ion Ratio Lower Upper

63 100

65 31.3 24.8 37.2



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0

9.11

150000

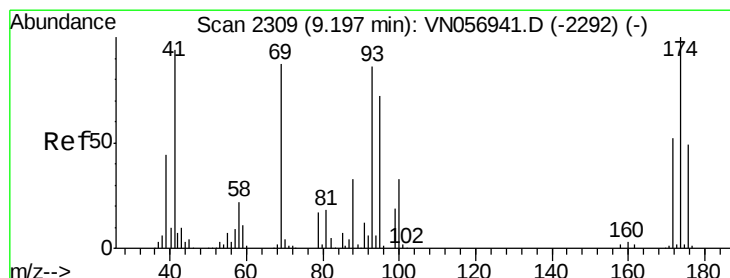
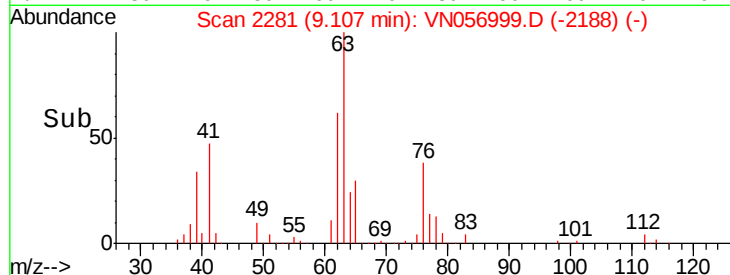
100000

50000

0

Time-->

9.00 9.10 9.20



#46

Dibromomethane

Concen: 53.536 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. -0.00 min

Lab File: VN056999.D

Acq: 31 Jul 2019 8:55

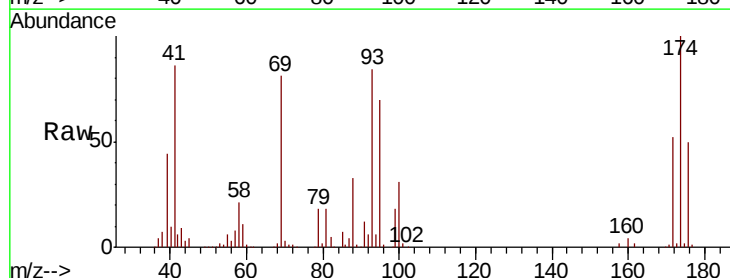
Tgt Ion: 93 Resp: 173402

Ion Ratio Lower Upper

93 100

95 84.7 67.0 100.6

174 120.2 92.7 139.1



Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V

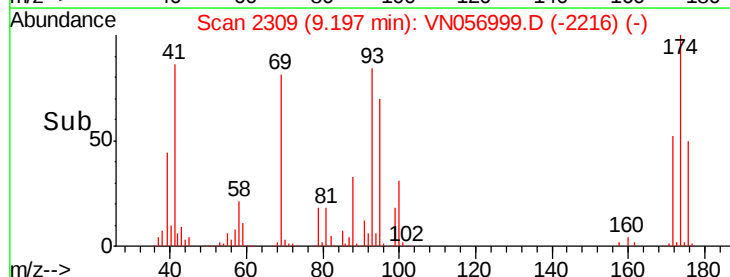
100000

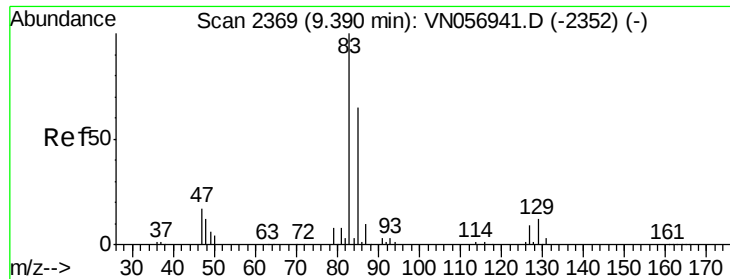
50000

0

Time-->

9.10 9.15 9.20 9.25 9.30

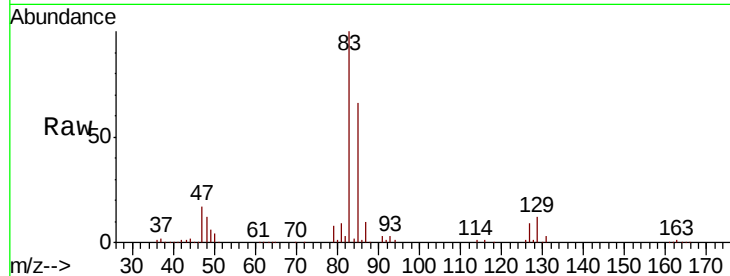




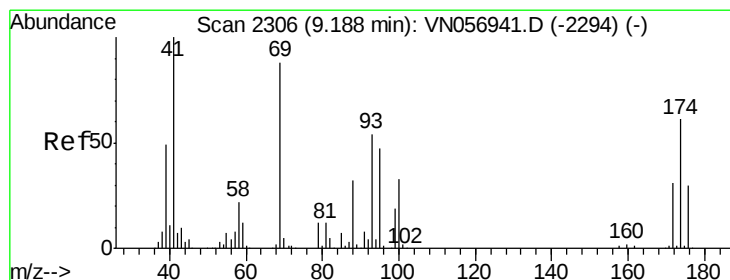
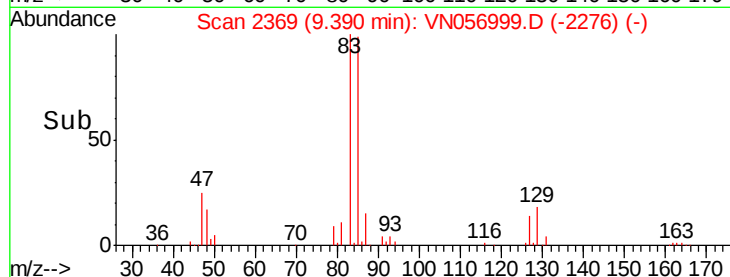
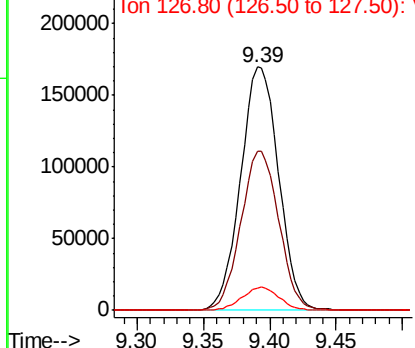
#47
Bromodichloromethane
Concen: 53.166 ug/l
RT: 9.39 min Scan# 2369
Delta R.T. -0.00 min
Lab File: VN056999.D
Acq: 31 Jul 2019 8:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 83 Resp: 338571
Ion Ratio Lower Upper
83 100
85 65.5 51.6 77.4
127 9.3 7.3 10.9

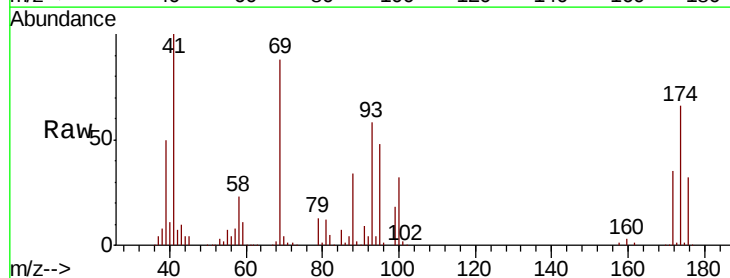


Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0
Ion 126.80 (126.50 to 127.50): VN0

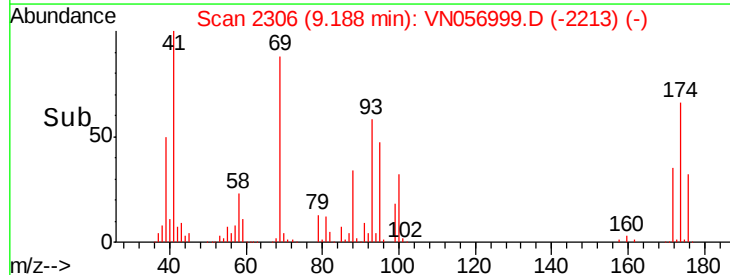
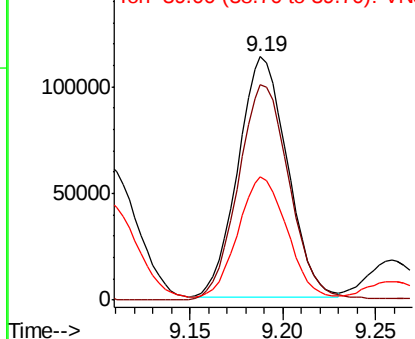


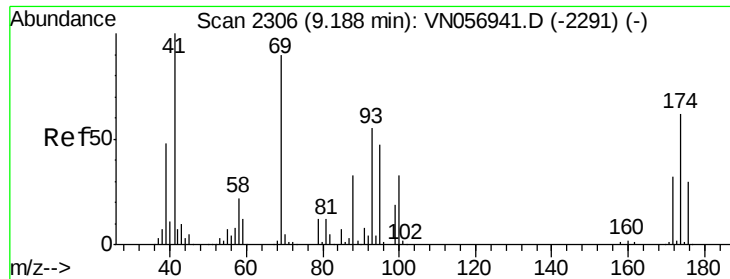
#48
Methyl methacrylate
Concen: 50.101 ug/l
RT: 9.19 min Scan# 2306
Delta R.T. -0.00 min
Lab File: VN056999.D
Acq: 31 Jul 2019 8:55

Tgt Ion: 41 Resp: 208746
Ion Ratio Lower Upper
41 100
69 93.7 73.4 110.0
39 51.3 39.9 59.9



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

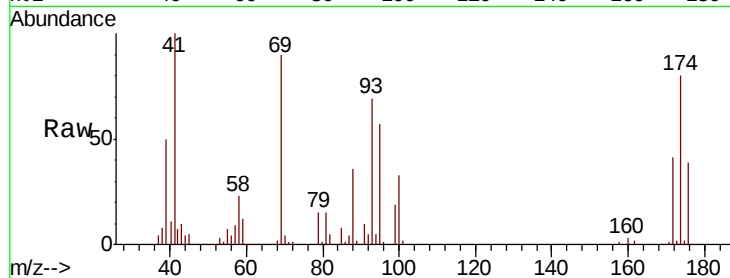




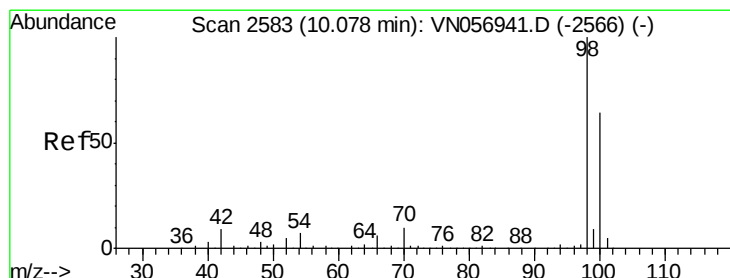
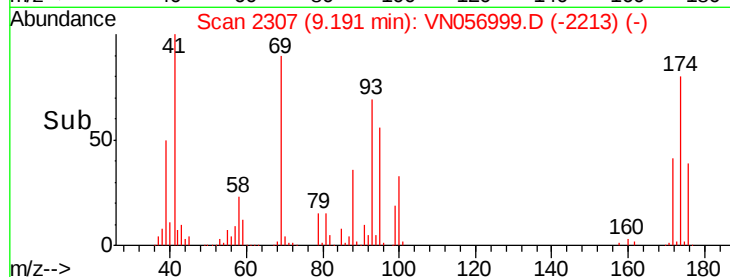
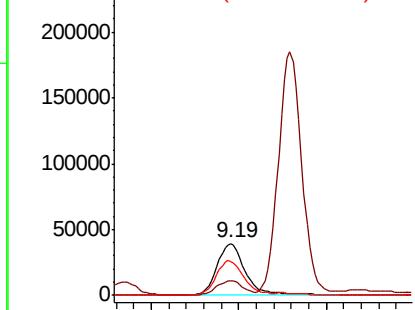
#49
1,4-Dioxane
Concen: 1038.335 ug/l
RT: 9.19 min Scan# 2307
Delta R.T. 0.00 min
Lab File: VN056999.D
Acq: 31 Jul 2019 8:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 88 Resp: 89155
Ion Ratio Lower Upper
88 100
43 25.7 22.2 33.2
58 65.1 54.1 81.1

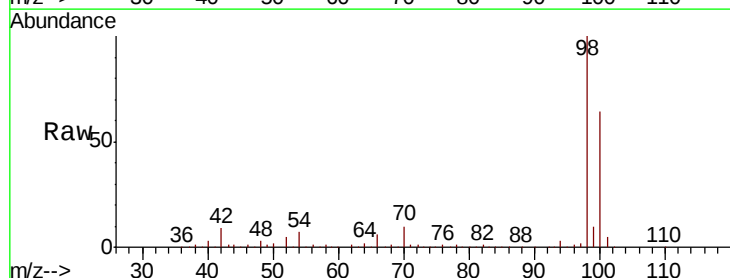


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

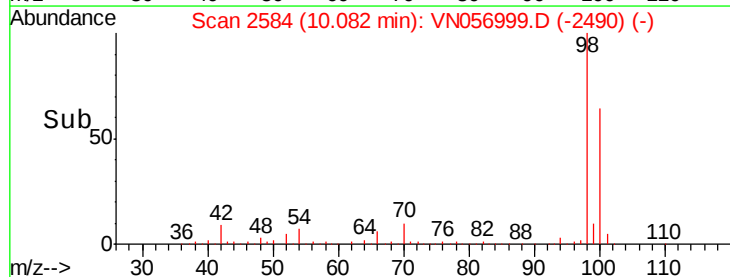
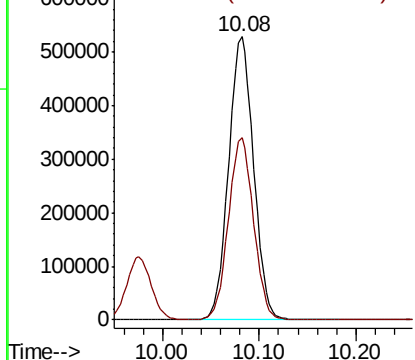


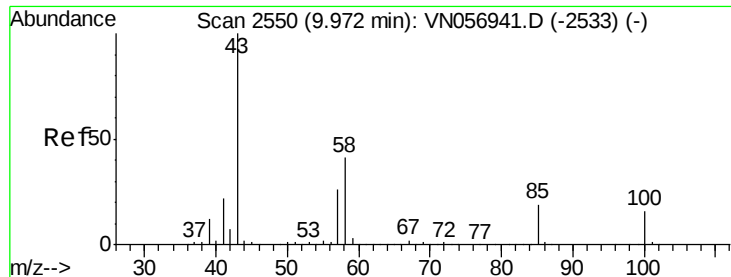
#50
Toluene-d8
Concen: 52.500 ug/l
RT: 10.08 min Scan# 2584
Delta R.T. 0.00 min
Lab File: VN056999.D
Acq: 31 Jul 2019 8:55

Tgt Ion: 98 Resp: 949569
Ion Ratio Lower Upper
98 100
100 64.4 51.3 76.9



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





#51

4-Methyl-2-Pentanone

Concen: 251.523 ug/l

RT: 9.98 min Scan# 2551

Delta R.T. 0.00 min

Lab File: VN056999.D

Acq: 31 Jul 2019 8:55

Instrument :

MSVOA_N

ClientSampleId :

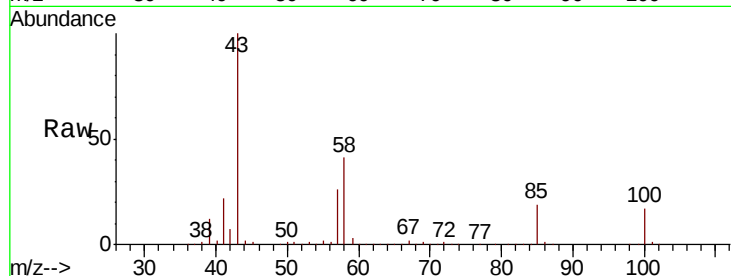
VSTDCCC050

Tot Ion: 43 Resp: 1289715

Ion Ratio Lower Upper

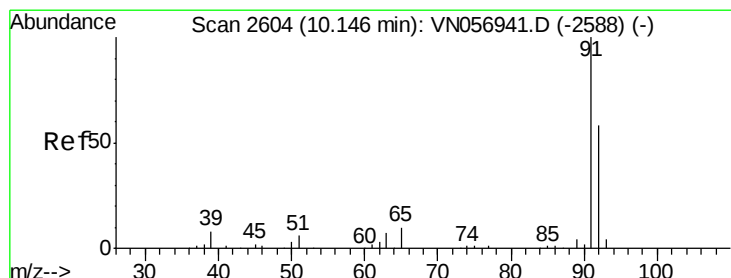
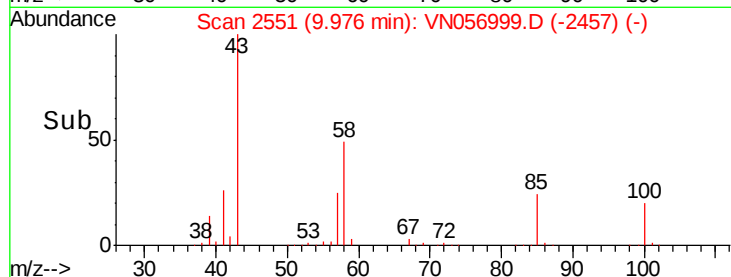
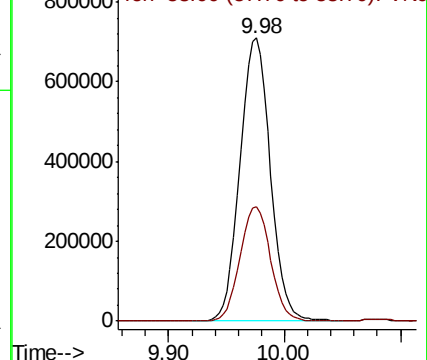
43 100

58 41.0 33.1 49.7



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 54.214 ug/l

RT: 10.15 min Scan# 2604

Delta R.T. -0.00 min

Lab File: VN056999.D

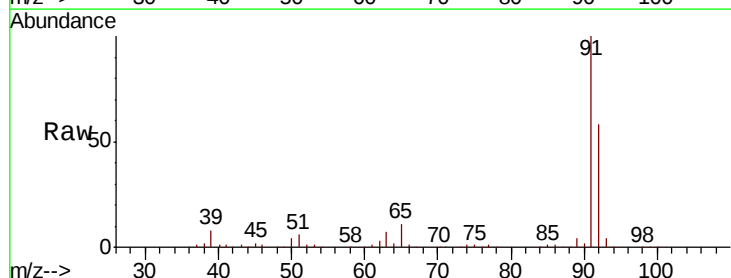
Acq: 31 Jul 2019 8:55

Tgt Ion: 92 Resp: 654034

Ion Ratio Lower Upper

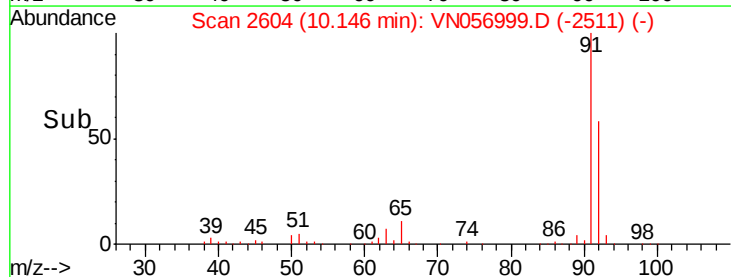
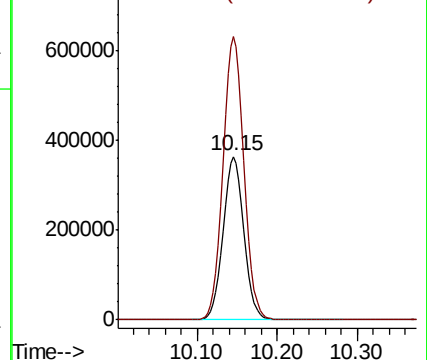
92 100

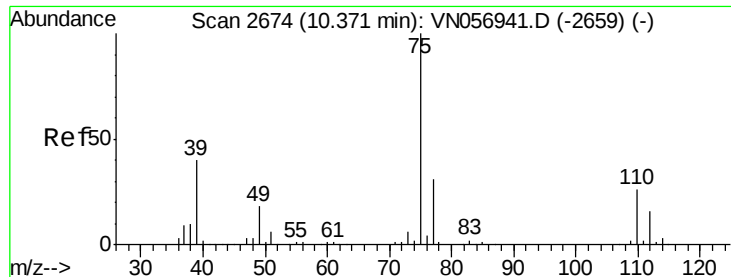
91 174.6 138.0 207.0



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





#53

t-1,3-Dichloropropene

Concen: 52.897 ug/l

RT: 10.37 min Scan# 2675

Delta R.T. 0.00 min

Lab File: VN056999.D

Acq: 31 Jul 2019 8:55

Instrument :

MSVOA_N

ClientSampleId :

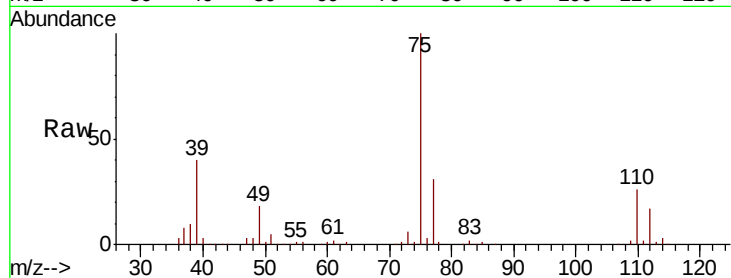
VSTDCCC050

Tot Ion: 75 Resp: 349562

Ion Ratio Lower Upper

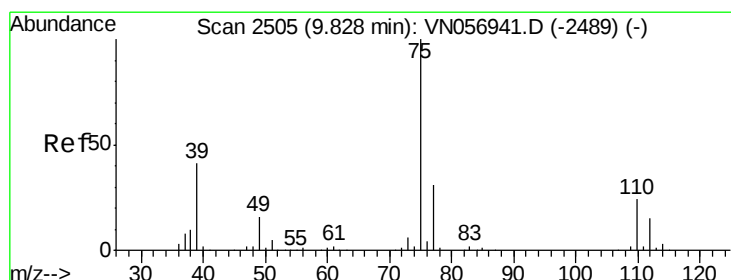
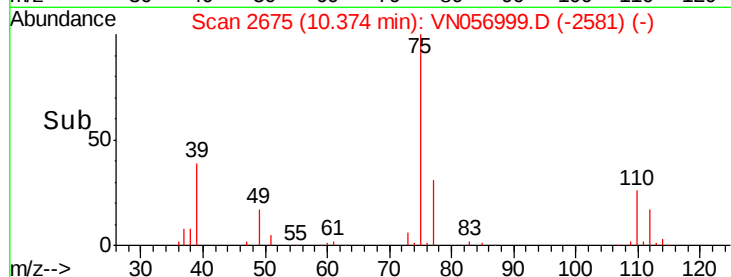
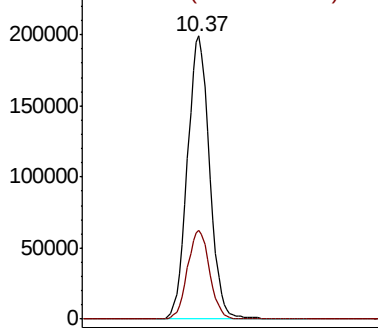
75 100

77 31.3 25.1 37.7



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 53.111 ug/l

RT: 9.83 min Scan# 2506

Delta R.T. 0.00 min

Lab File: VN056999.D

Acq: 31 Jul 2019 8:55

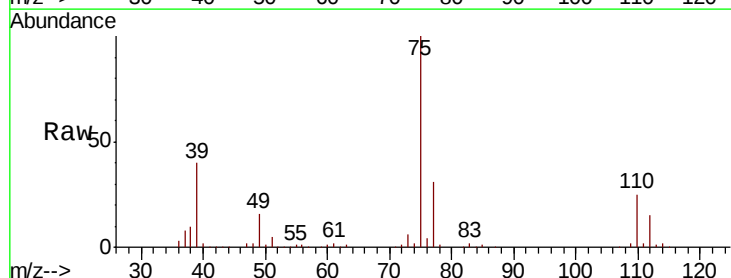
Tgt Ion: 75 Resp: 408087

Ion Ratio Lower Upper

75 100

77 30.6 25.0 37.6

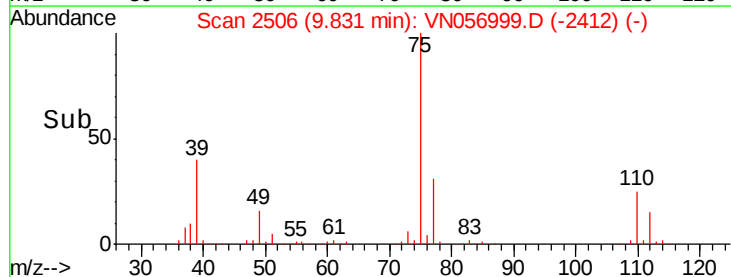
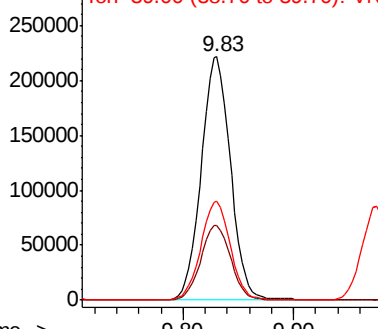
39 40.5 32.6 49.0

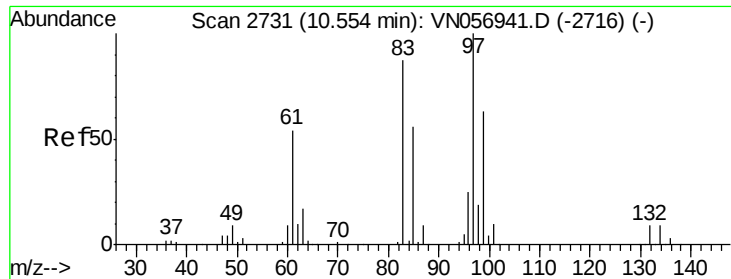


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

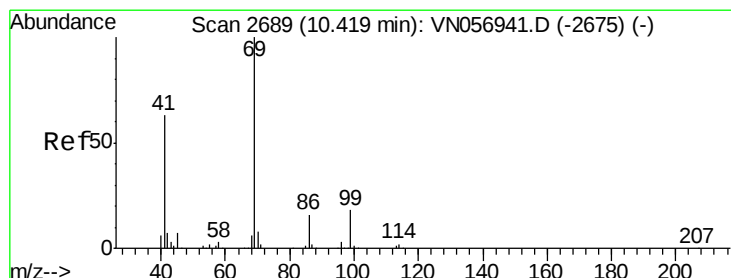
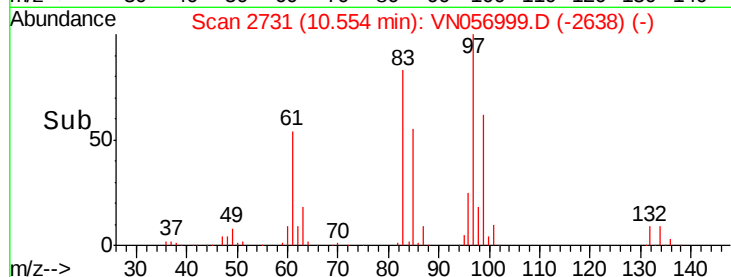
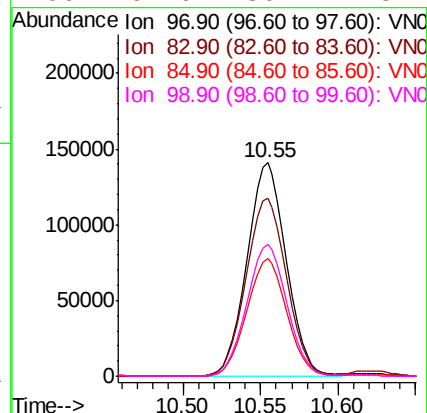
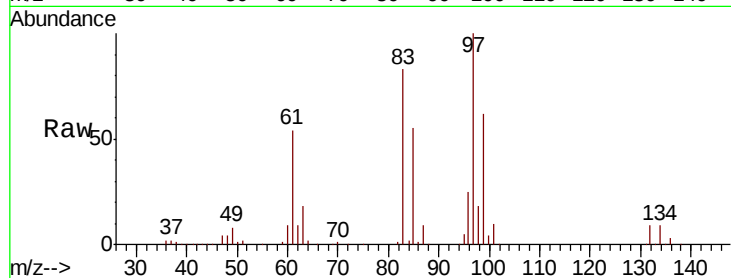




#55
 1,1,2-Trichloroethane
 Concen: 51.409 ug/l
 RT: 10.55 min Scan# 2731
 Delta R.T. -0.00 min
 Lab File: VN056999.D
 Acq: 31 Jul 2019 8:55

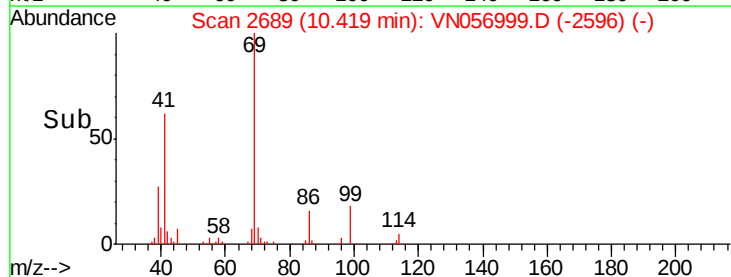
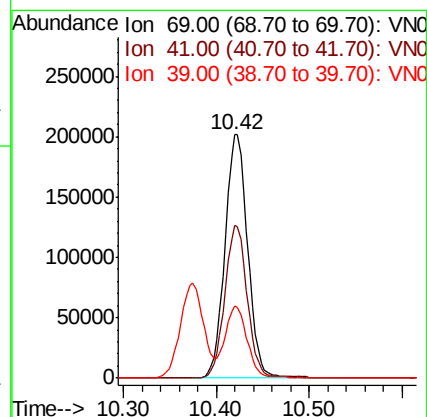
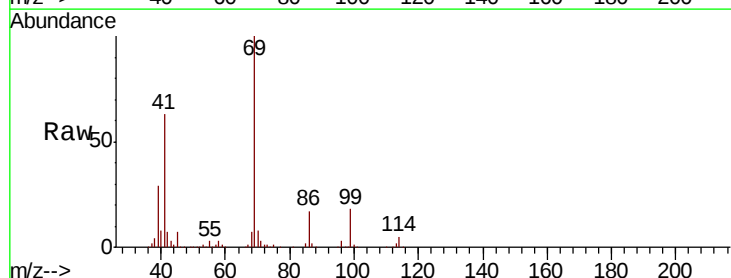
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

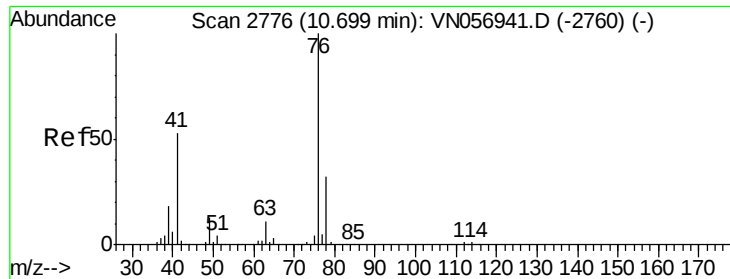
Tot Ion: 97 Resp: 248722
 Ion Ratio Lower Upper
 97 100
 83 83.5 69.4 104.0
 85 55.3 44.7 67.1
 99 61.9 50.1 75.1



#56
 Ethyl methacrylate
 Concen: 47.065 ug/l
 RT: 10.42 min Scan# 2689
 Delta R.T. 0.00 min
 Lab File: VN056999.D
 Acq: 31 Jul 2019 8:55

Tgt Ion: 69 Resp: 343091
 Ion Ratio Lower Upper
 69 100
 41 61.4 49.2 73.8
 39 28.2 23.1 34.7

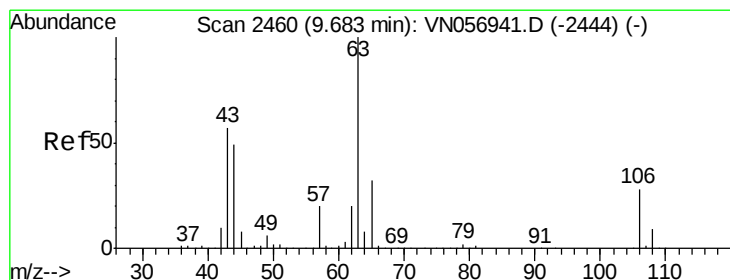
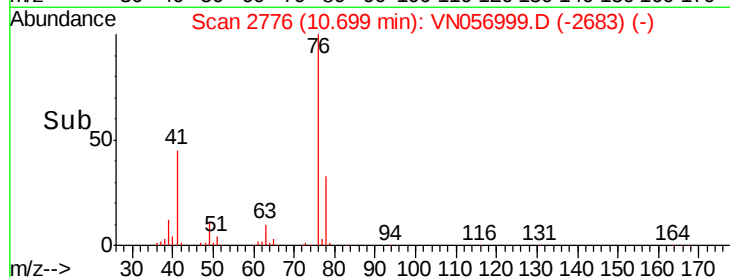
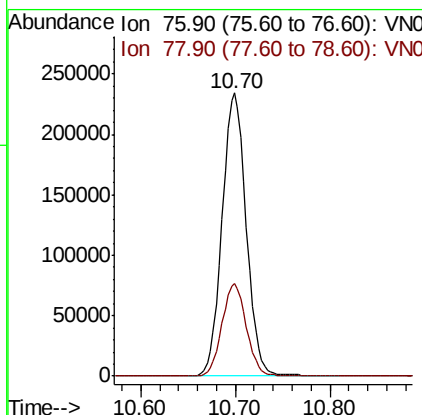
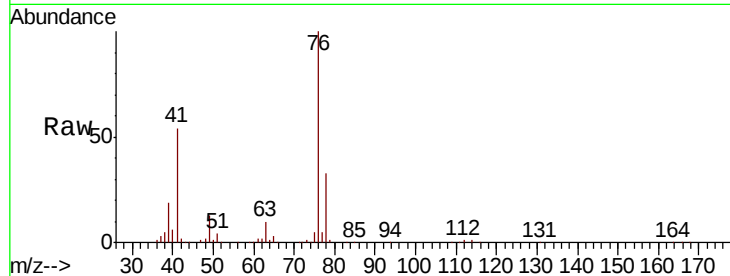




#57
 1,3-Dichloropropane
 Concen: 51.776 ug/l
 RT: 10.70 min Scan# 2776
 Delta R.T. -0.00 min
 Lab File: VN056999.D
 Acq: 31 Jul 2019 8:55

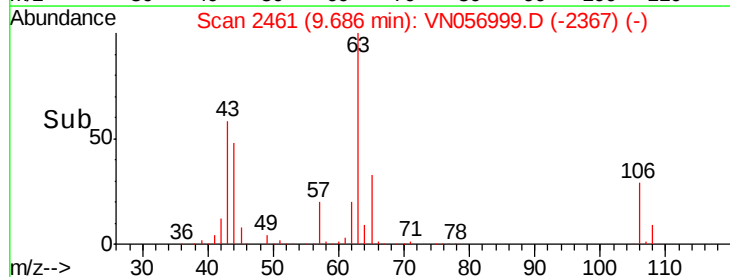
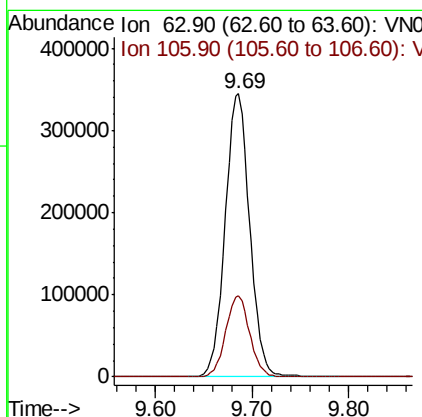
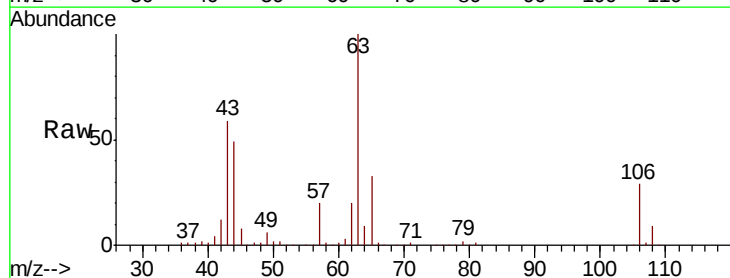
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

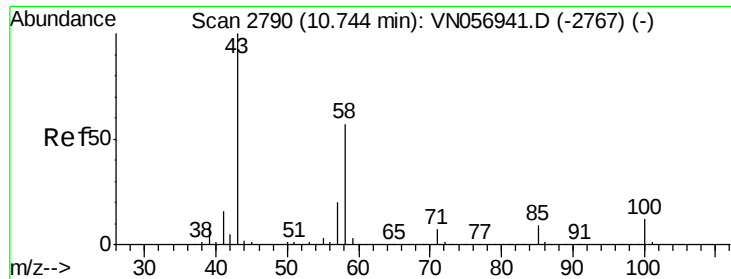
Tot Ion: 76 Resp: 415374
 Ion Ratio Lower Upper
 76 100
 78 33.1 25.9 38.9



#58
 2-Chloroethyl Vinyl ether
 Concen: 209.368 ug/l
 RT: 9.69 min Scan# 2461
 Delta R.T. 0.00 min
 Lab File: VN056999.D
 Acq: 31 Jul 2019 8:55

Tgt Ion: 63 Resp: 607001
 Ion Ratio Lower Upper
 63 100
 106 28.1 22.0 33.0

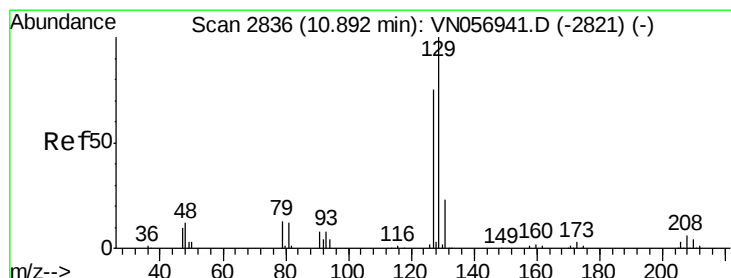
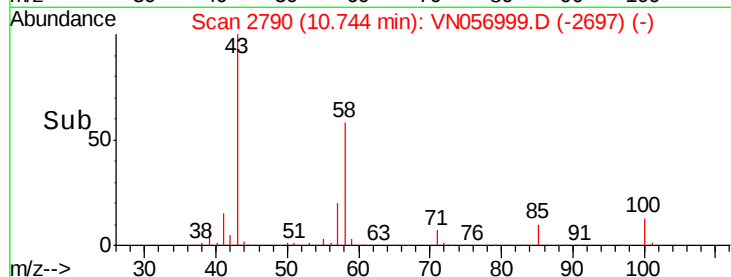
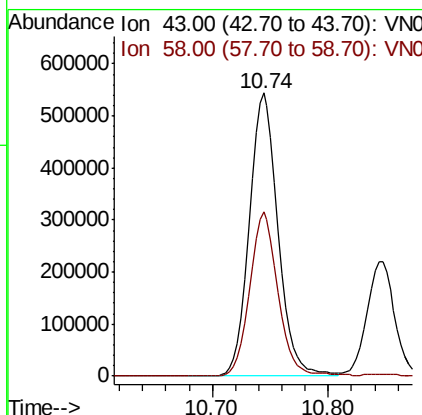
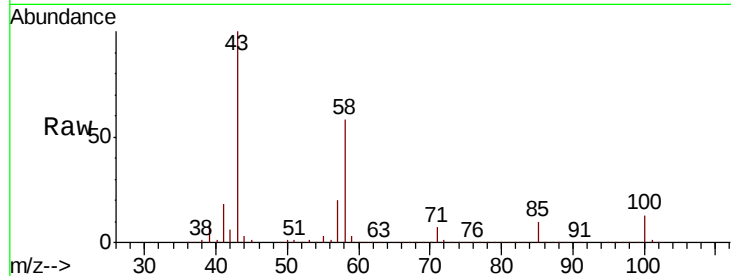




#59
2-Hexanone
Concen: 238.079 ug/l
RT: 10.74 min Scan# 2790
Delta R.T. -0.00 min
Lab File: VN056999.D
Acq: 31 Jul 2019 8:55

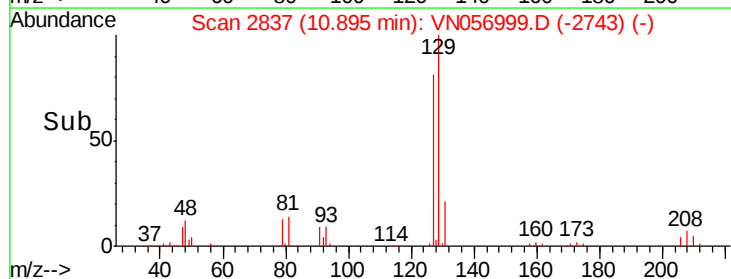
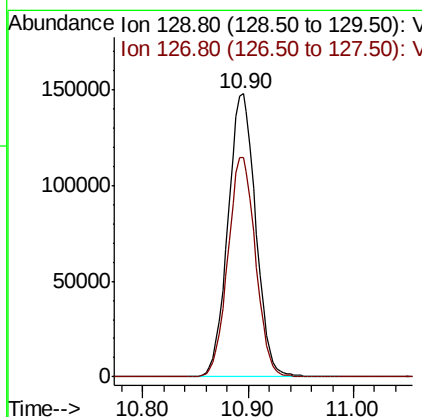
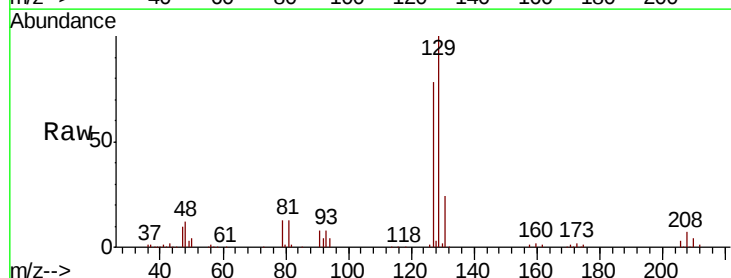
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

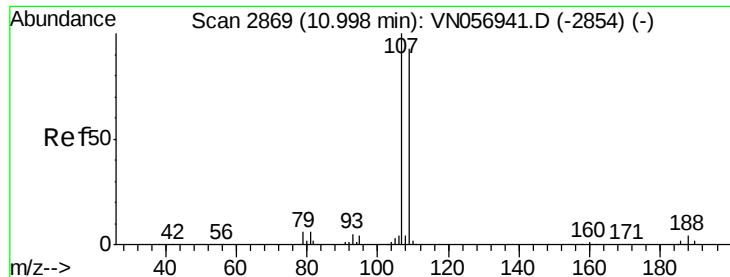
Tot Ion: 43 Resp: 939643
Ion Ratio Lower Upper
43 100
58 57.3 28.5 85.5



#60
Dibromochloromethane
Concen: 54.303 ug/l
RT: 10.90 min Scan# 2837
Delta R.T. 0.00 min
Lab File: VN056999.D
Acq: 31 Jul 2019 8:55

Tgt Ion: 129 Resp: 269163
Ion Ratio Lower Upper
129 100
127 77.1 38.0 113.9

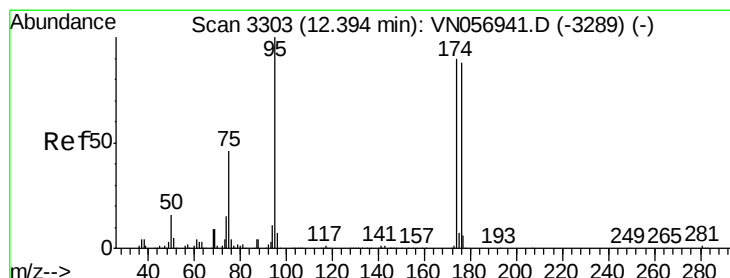
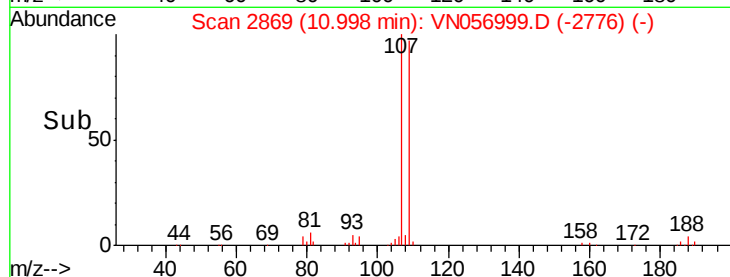
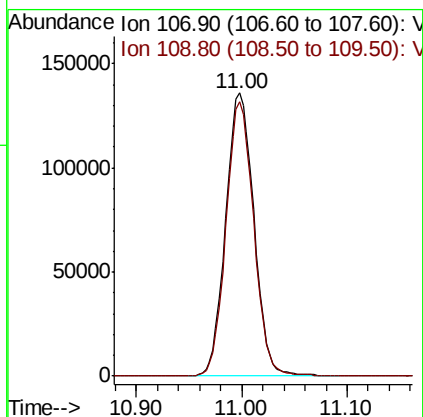
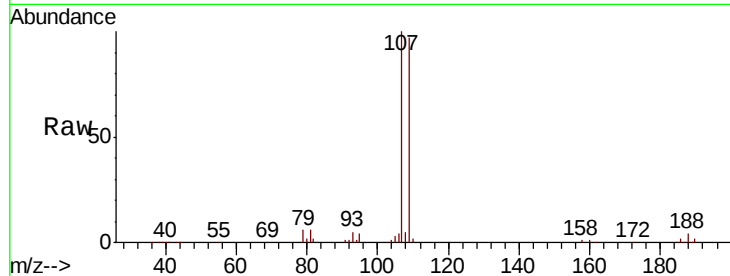




#61
1,2-Dibromoethane
Concen: 53.396 ug/l
RT: 11.00 min Scan# 2869
Delta R.T. -0.00 min
Lab File: VN056999.D
Acq: 31 Jul 2019 8:55

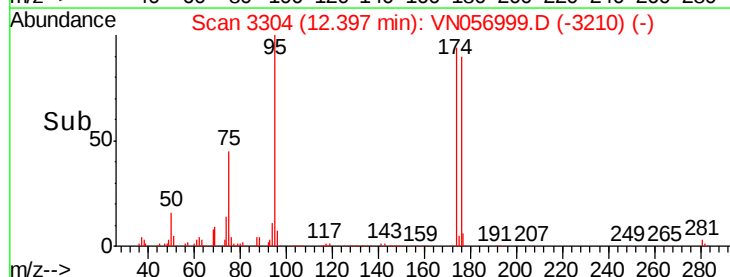
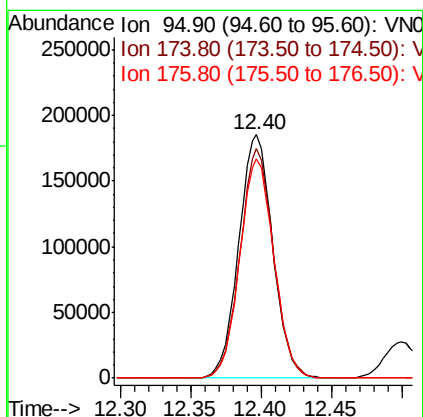
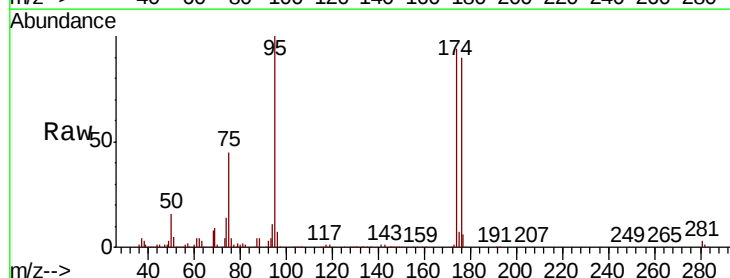
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

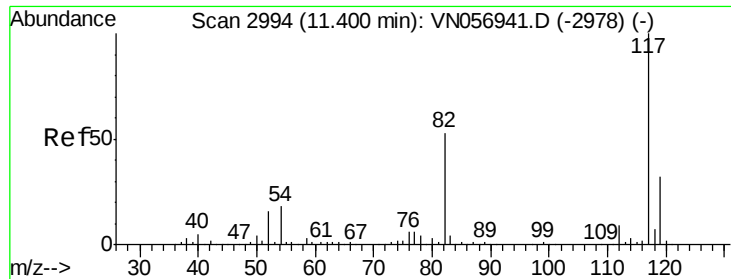
Tot Ion: 107 Resp: 252104
Ion Ratio Lower Upper
107 100
109 95.2 76.0 114.0



#62
4-Bromofluorobenzene
Concen: 53.109 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. 0.00 min
Lab File: VN056999.D
Acq: 31 Jul 2019 8:55

Tgt Ion: 95 Resp: 312710
Ion Ratio Lower Upper
95 100
174 93.1 0.0 182.2
176 90.5 0.0 179.4

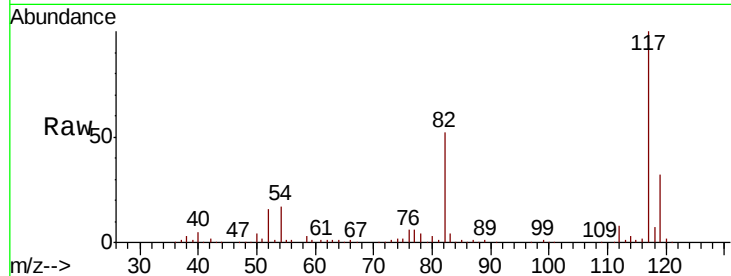




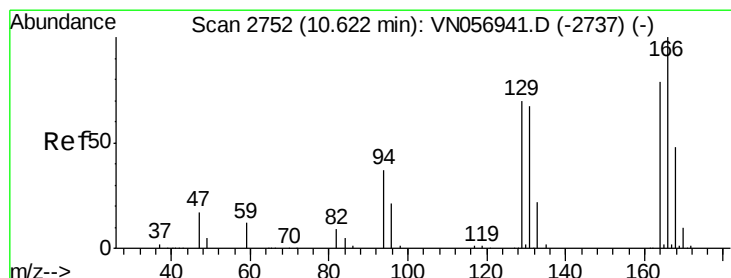
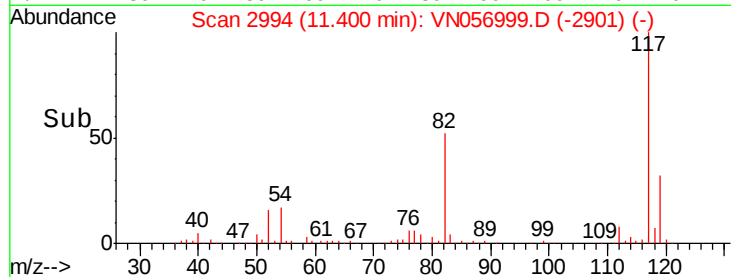
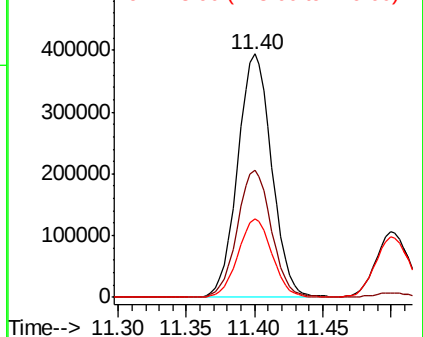
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. -0.00 min
Lab File: VN056999.D
Acq: 31 Jul 2019 8:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:117 Resp: 682896
Ion Ratio Lower Upper
117 100
82 52.2 42.2 63.4
119 32.2 25.8 38.6

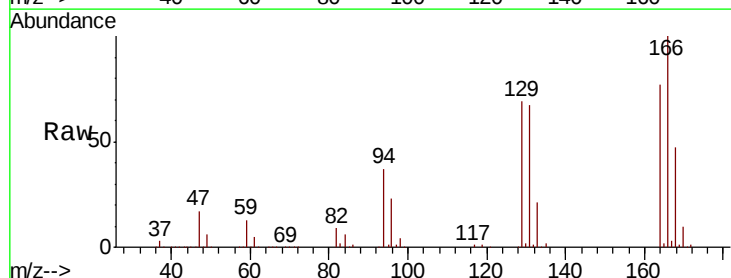


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

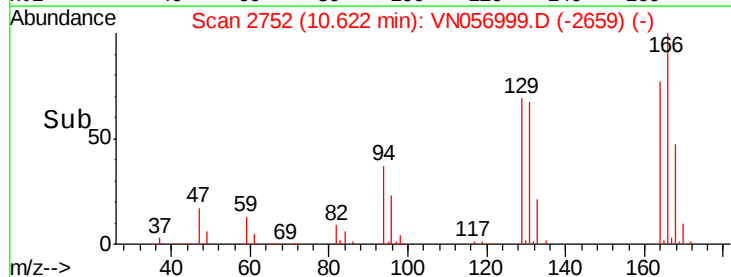
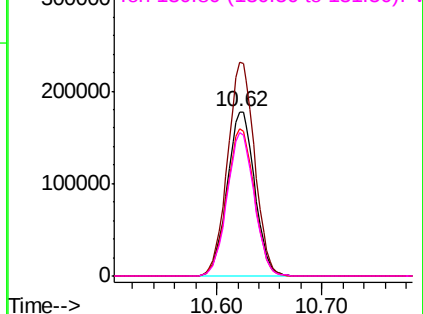


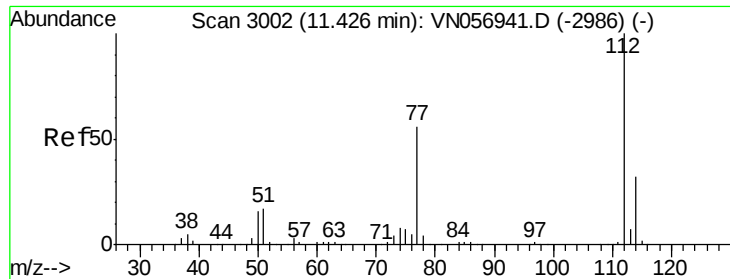
#64
Tetrachloroethene
Concen: 54.135 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. -0.00 min
Lab File: VN056999.D
Acq: 31 Jul 2019 8:55

Tgt Ion:164 Resp: 318573
Ion Ratio Lower Upper
164 100
166 129.9 101.1 151.7
129 89.8 70.9 106.3
131 86.9 67.7 101.5



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

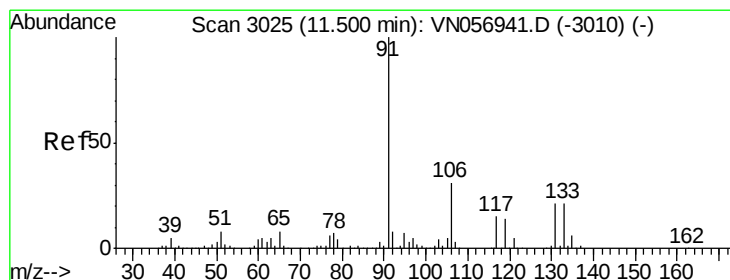
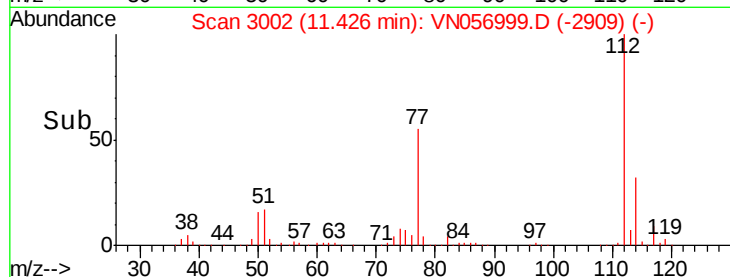
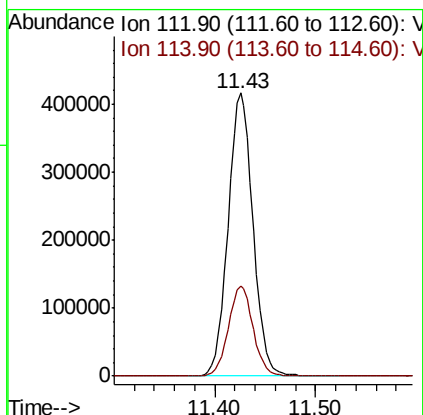
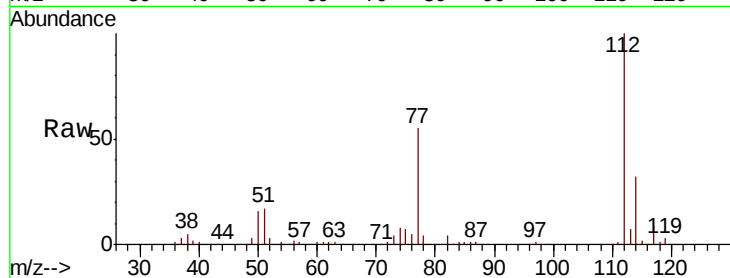




#65
Chlorobenzene
Concen: 51.360 ug/l
RT: 11.43 min Scan# 3002
Delta R.T. -0.00 min
Lab File: VN056999.D
Acq: 31 Jul 2019 8:55

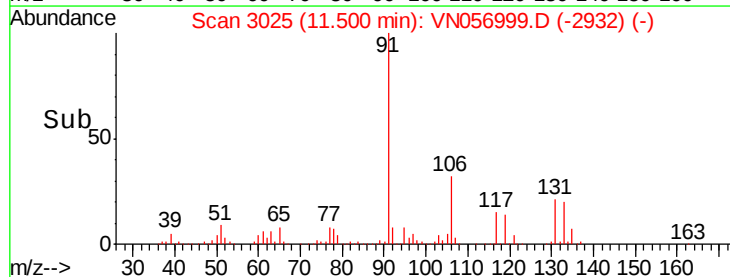
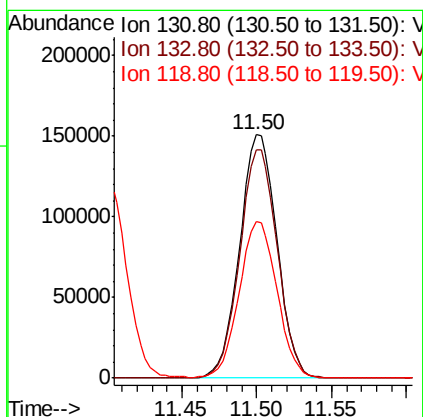
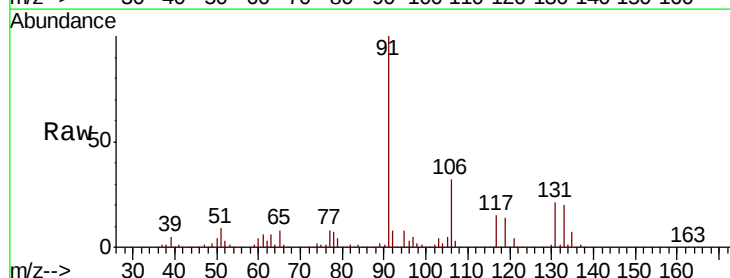
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

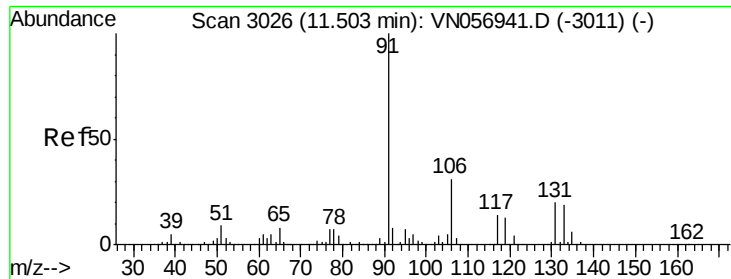
Tot Ion:112 Resp: 714844
Ion Ratio Lower Upper
112 100
114 31.9 26.0 39.0



#66
1,1,1,2-Tetrachloroethane
Concen: 50.113 ug/l
RT: 11.50 min Scan# 3025
Delta R.T. -0.00 min
Lab File: VN056999.D
Acq: 31 Jul 2019 8:55

Tgt Ion:131 Resp: 262522
Ion Ratio Lower Upper
131 100
133 94.6 48.0 144.0
119 65.1 33.2 99.6

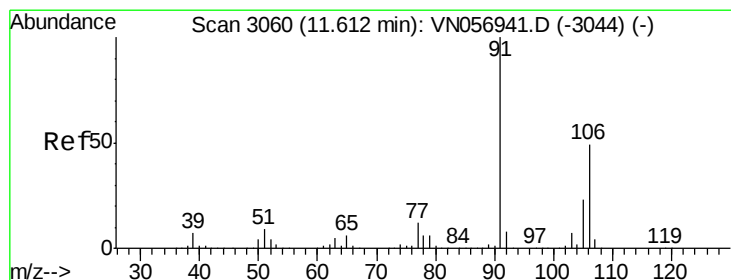
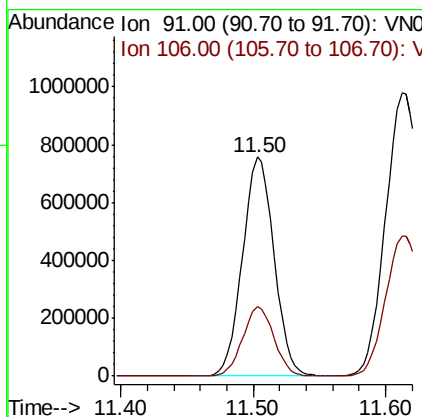
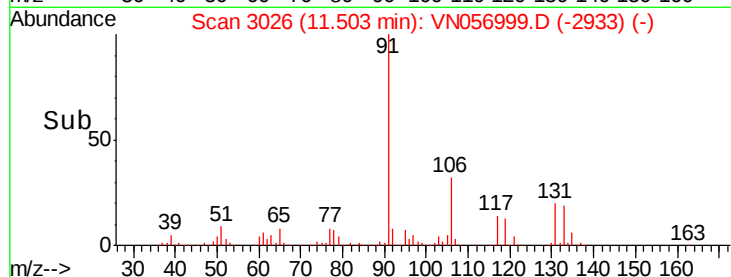
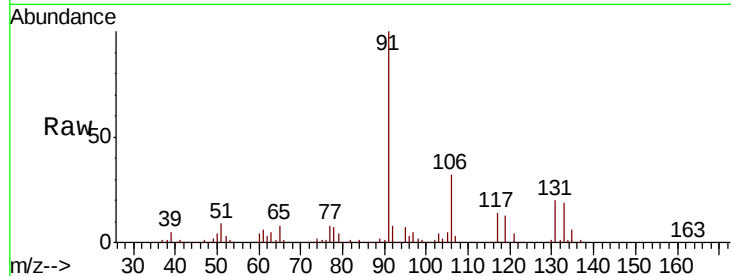




#67
Ethyl Benzene
Concen: 52.028 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. -0.00 min
Lab File: VN056999.D
Acq: 31 Jul 2019 8:55

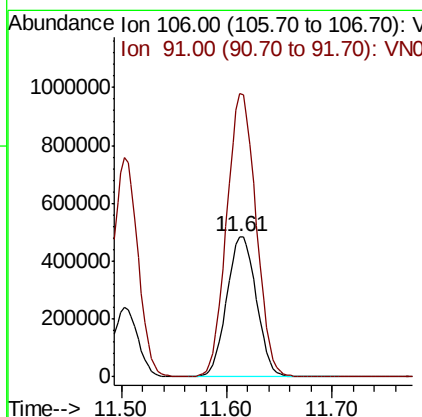
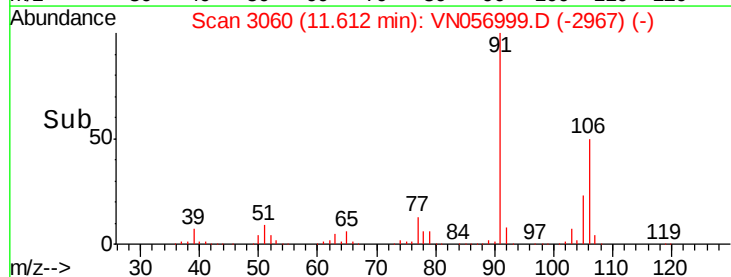
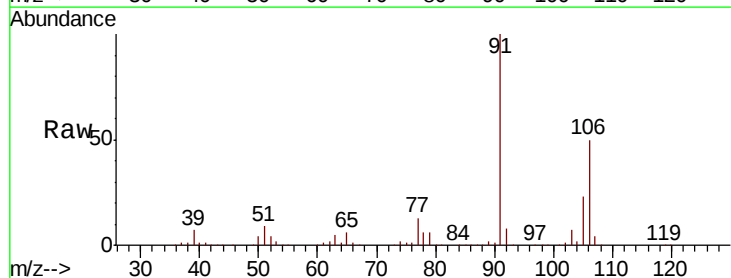
Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

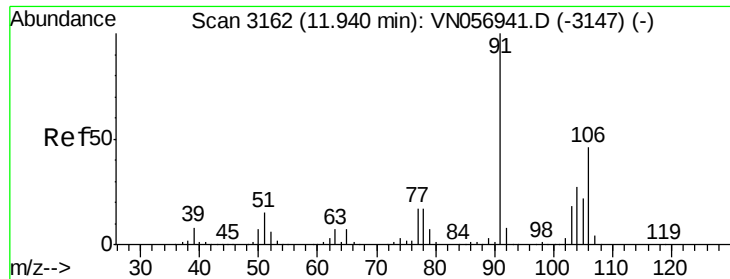
Tot Ion: 91 Resp: 1251553
Ion Ratio Lower Upper
91 100
106 31.7 25.1 37.7



#68
m/p-Xylenes
Concen: 106.118 ug/l
RT: 11.61 min Scan# 3060
Delta R.T. -0.00 min
Lab File: VN056999.D
Acq: 31 Jul 2019 8:55

Tgt Ion: 106 Resp: 942088
Ion Ratio Lower Upper
106 100
91 200.1 160.0 240.0

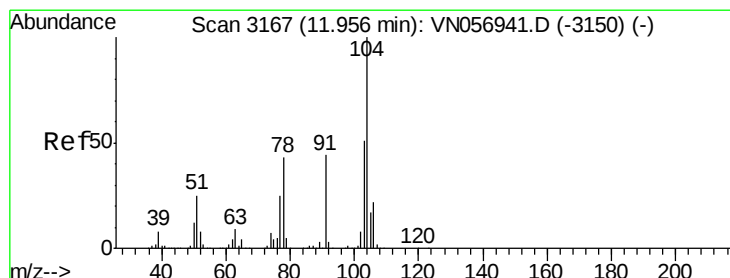
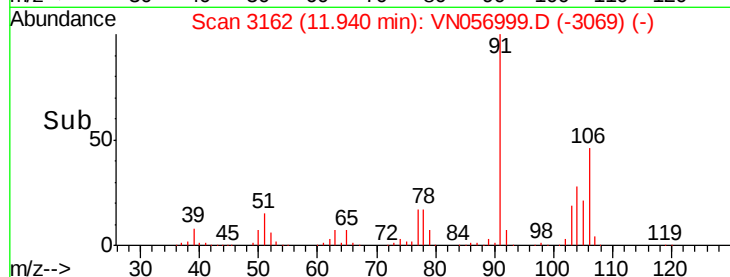
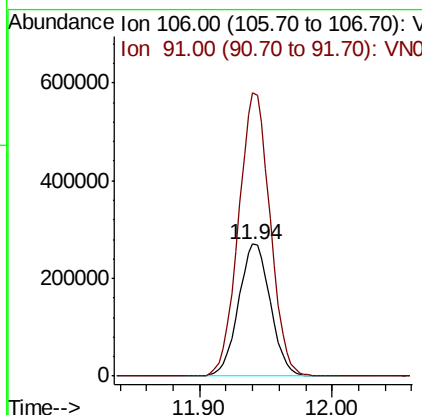
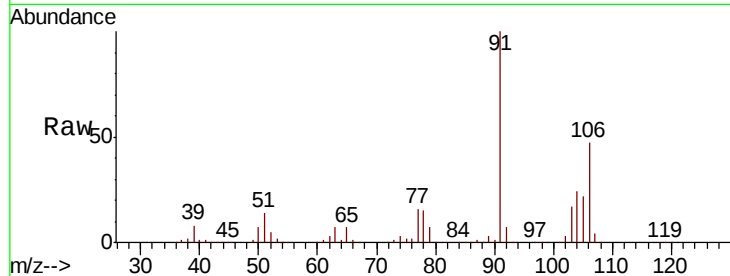




#69
o-Xylene
Concen: 51.837 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. -0.00 min
Lab File: VN056999.D
Acq: 31 Jul 2019 8:55

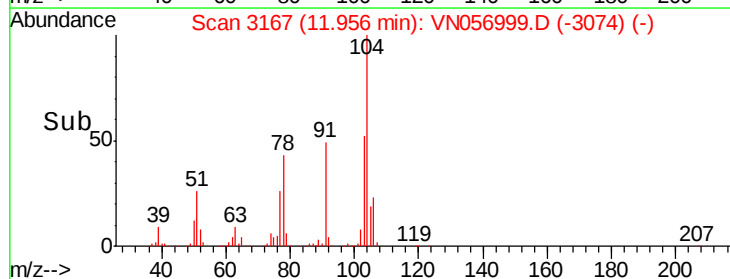
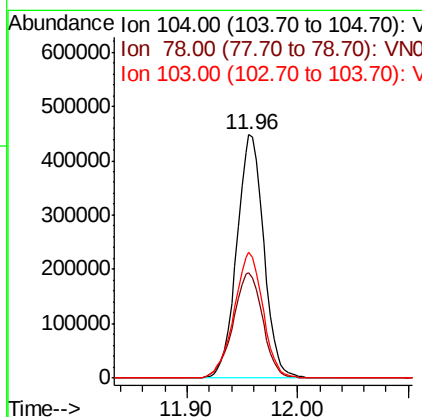
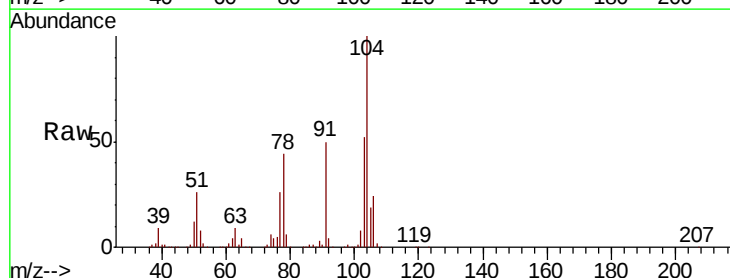
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

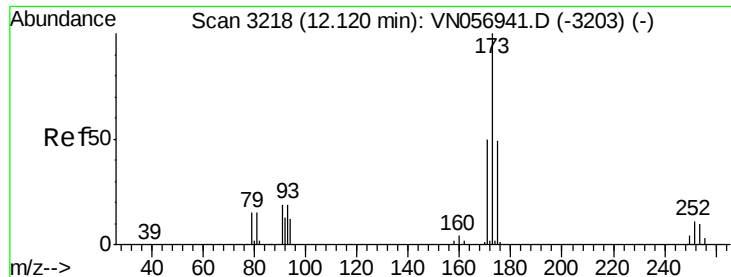
Tot Ion:106 Resp: 450230
Ion Ratio Lower Upper
106 100
91 212.2 106.2 318.6



#70
Styrene
Concen: 49.435 ug/l
RT: 11.96 min Scan# 3167
Delta R.T. 0.00 min
Lab File: VN056999.D
Acq: 31 Jul 2019 8:55

Tgt Ion:104 Resp: 758578
Ion Ratio Lower Upper
104 100
78 47.7 38.1 57.1
103 55.4 44.3 66.5





#71

Bromoform

Concen: 51.342 ug/l

RT: 12.12 min Scan# 3218

Delta R.T. -0.00 min

Lab File: VN056999.D

Acq: 31 Jul 2019 8:55

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

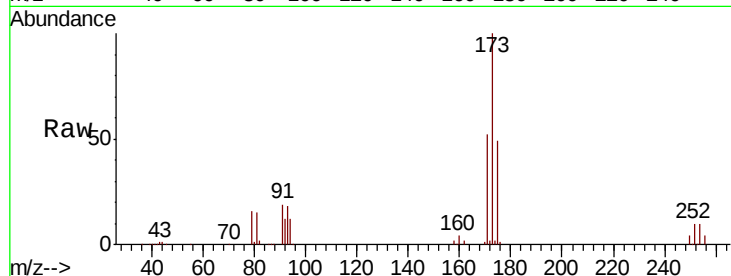
Tot Ion:173 Resp: 187780

Ion Ratio Lower Upper

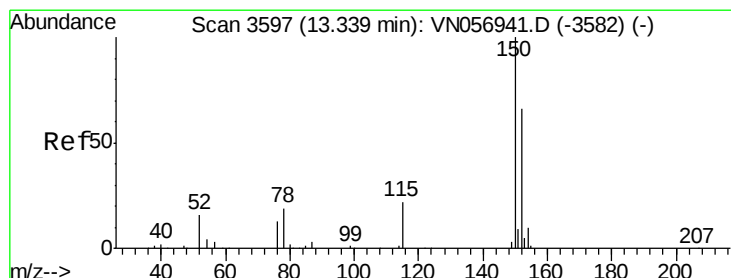
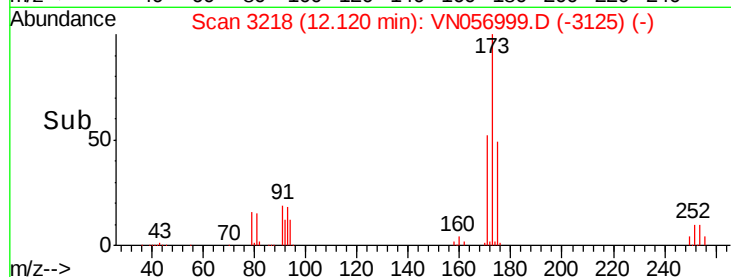
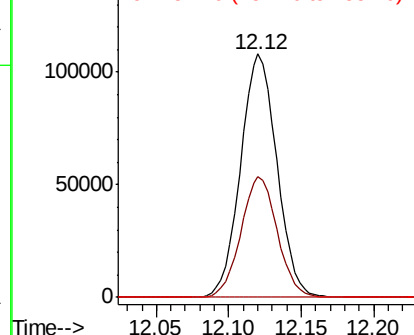
173 100

175 49.6 24.1 72.4

254 0.1 0.1 0.1#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3597

Delta R.T. -0.00 min

Lab File: VN056999.D

Acq: 31 Jul 2019 8:55

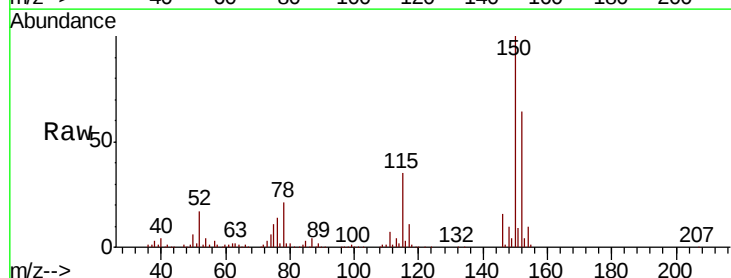
Tgt Ion:152 Resp: 294987

Ion Ratio Lower Upper

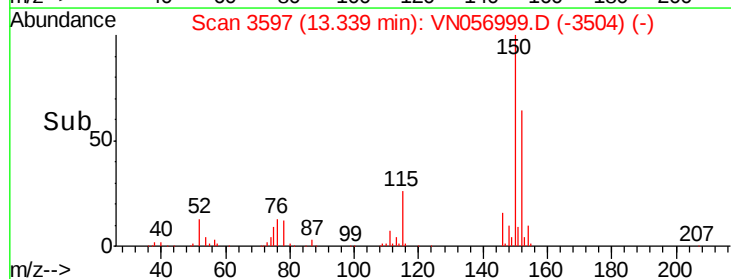
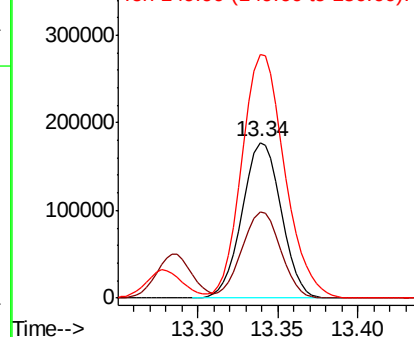
152 100

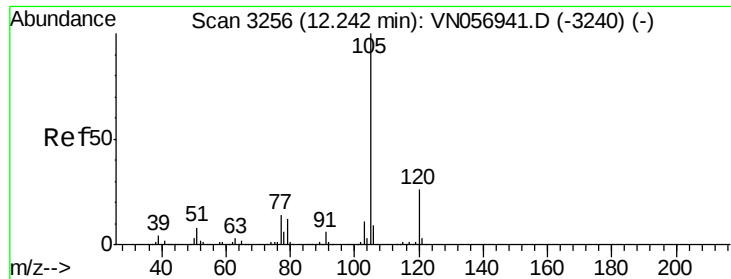
115 55.2 28.2 84.6

150 172.6 0.0 349.4



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

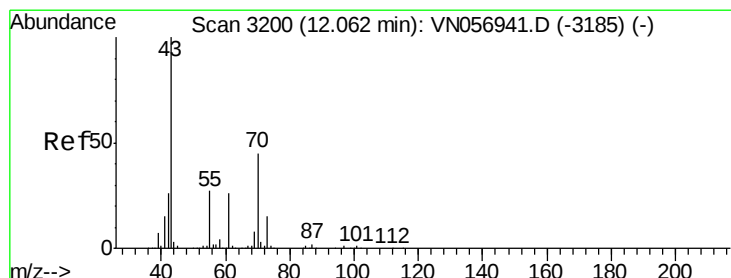
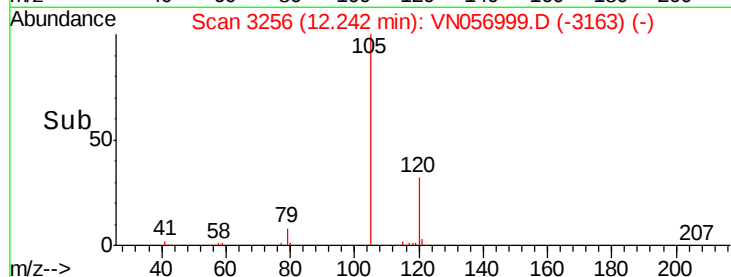
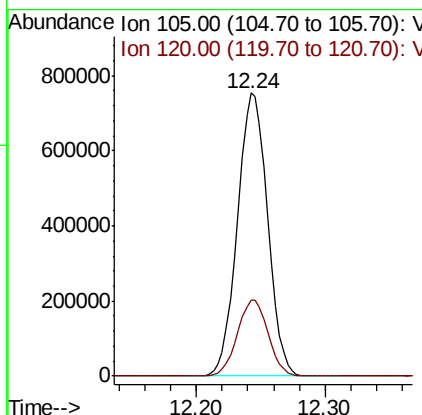
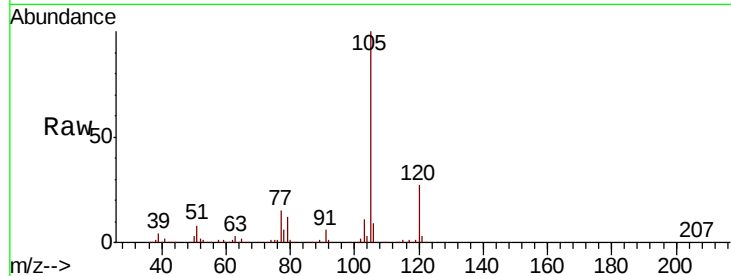




#73
Isopropylbenzene
Concen: 48.001 ug/l
RT: 12.24 min Scan# 3256
Delta R.T. -0.00 min
Lab File: VN056999.D
Acq: 31 Jul 2019 8:55

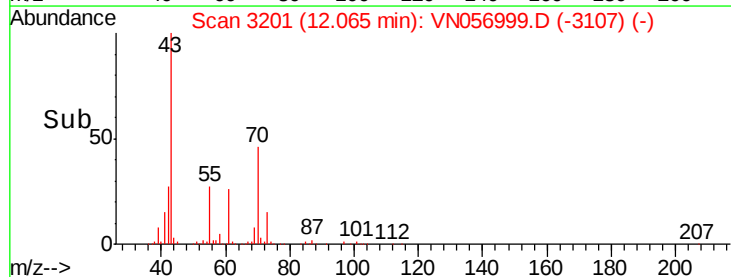
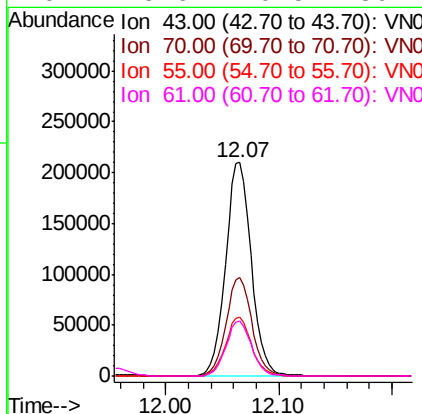
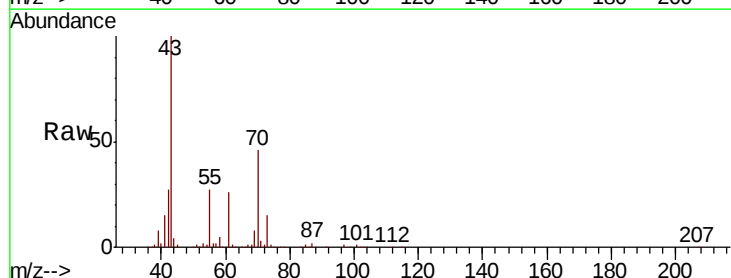
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

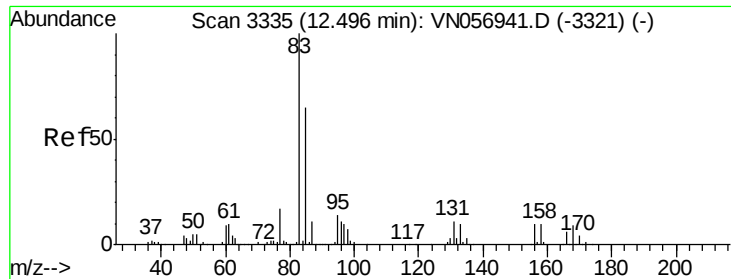
Tot Ion:105 Resp: 1223751
Ion Ratio Lower Upper
105 100
120 27.3 13.5 40.5



#74
N-ethyl acetate
Concen: 44.876 ug/l
RT: 12.07 min Scan# 3201
Delta R.T. 0.00 min
Lab File: VN056999.D
Acq: 31 Jul 2019 8:55

Tgt Ion: 43 Resp: 332194
Ion Ratio Lower Upper
43 100
70 46.2 36.5 54.7
55 27.6 21.4 32.0
61 25.6 20.5 30.7





#75

1,1,2,2-Tetrachloroethane

Concen: 48.825 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN056999.D

Acq: 31 Jul 2019 8:55

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

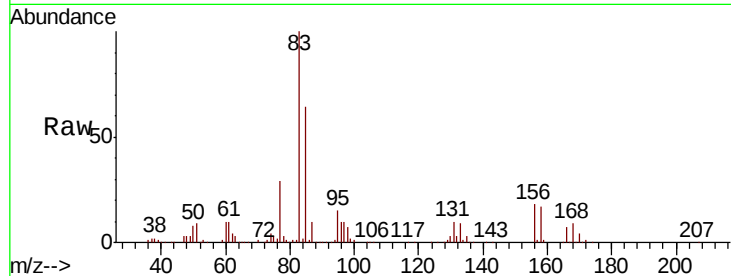
Tot Ion: 83 Resp: 315009

Ion Ratio Lower Upper

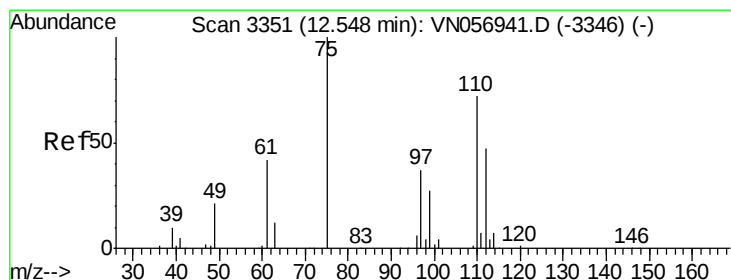
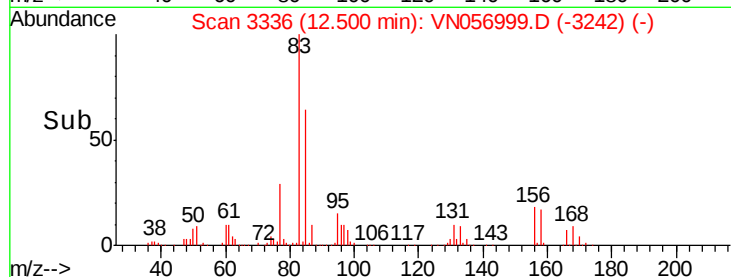
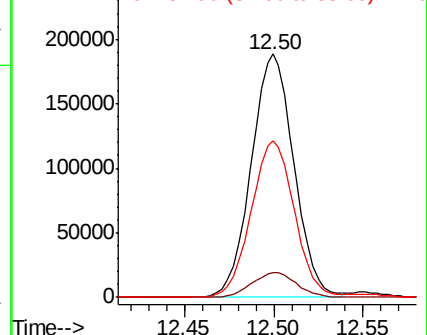
83 100

131 10.7 5.3 16.1

85 65.0 32.5 97.4



Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 130.80 (130.50 to 131.50): VNO
Ion 84.90 (84.60 to 85.60): VNO



#76

1,2,3-Trichloropropane

Concen: 64.017 ug/l

RT: 12.55 min Scan# 3352

Delta R.T. 0.00 min

Lab File: VN056999.D

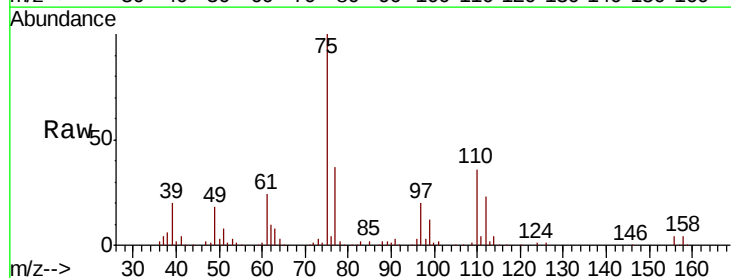
Acq: 31 Jul 2019 8:55

Tgt Ion: 75 Resp: 383507

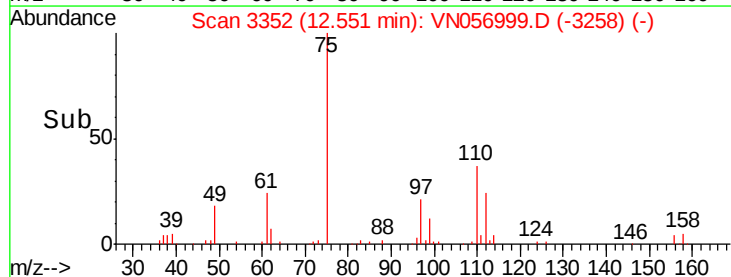
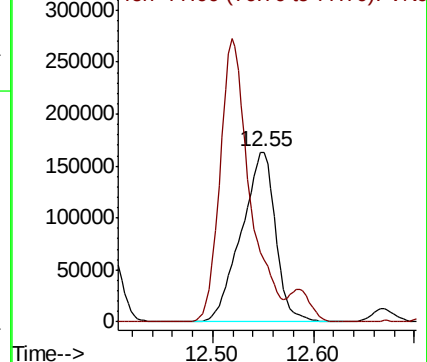
Ion Ratio Lower Upper

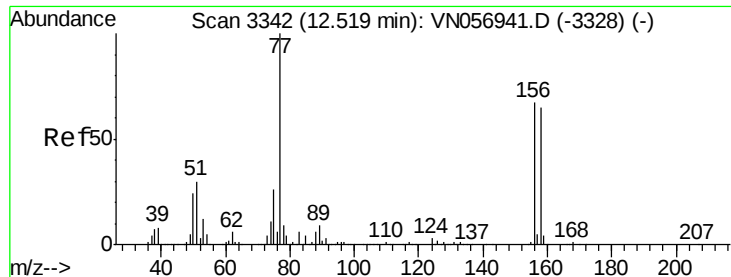
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VNO
Ion 77.00 (76.70 to 77.70): VNO





#77

Bromobenzene

Concen: 48.427 ug/l

RT: 12.52 min Scan# 3342

Delta R.T. -0.00 min

Lab File: VN056999.D

Acq: 31 Jul 2019 8:55

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

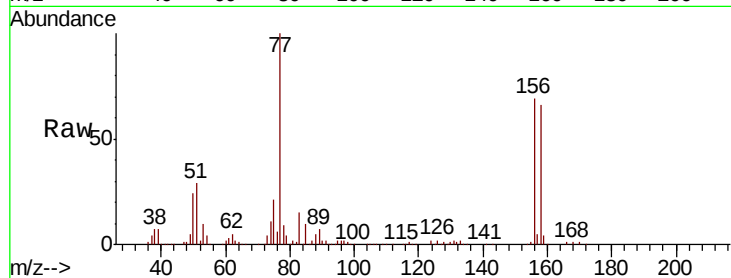
Tot Ion:156 Resp: 322222

Ion Ratio Lower Upper

156 100

77 173.8 89.5 268.5

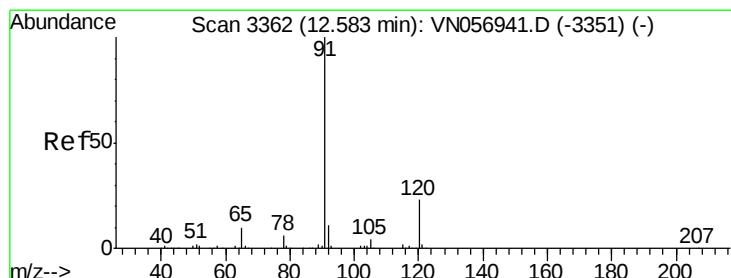
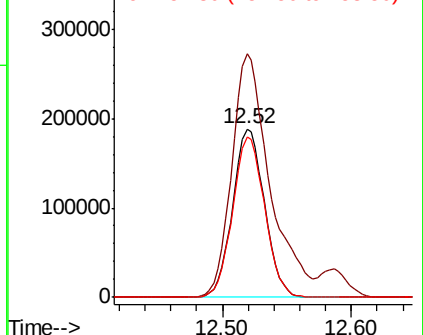
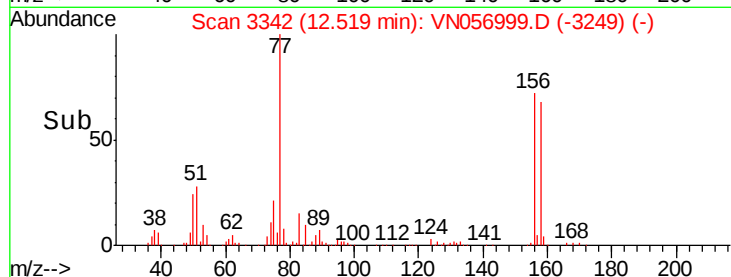
158 96.1 48.4 145.3



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 49.685 ug/l

RT: 12.59 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN056999.D

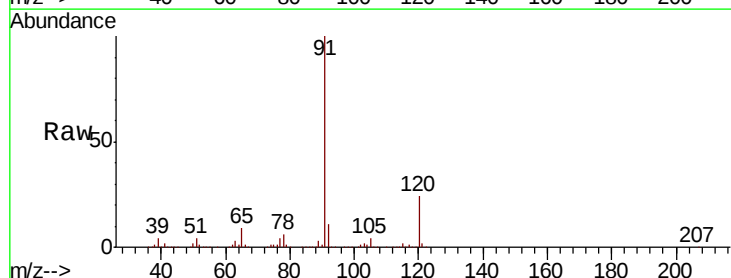
Acq: 31 Jul 2019 8:55

Tgt Ion: 91 Resp: 1352469

Ion Ratio Lower Upper

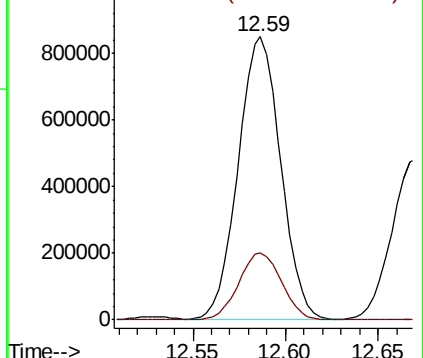
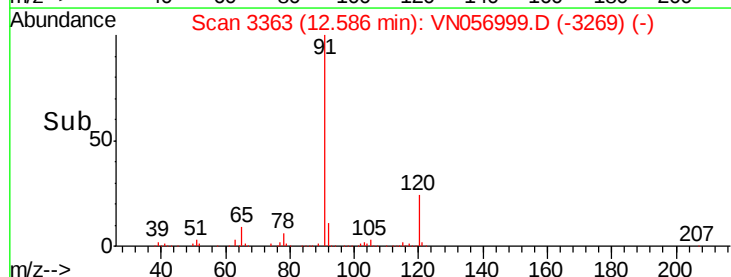
91 100

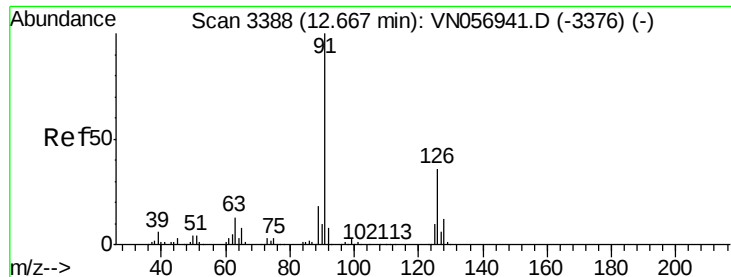
120 24.0 11.8 35.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 47.949 ug/l

RT: 12.67 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VN056999.D

Acq: 31 Jul 2019 8:55

Instrument :

MSVOA_N

ClientSampled :

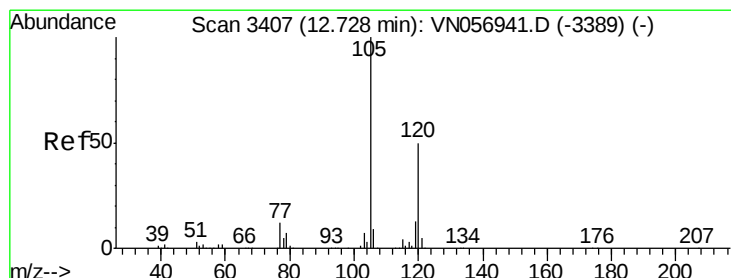
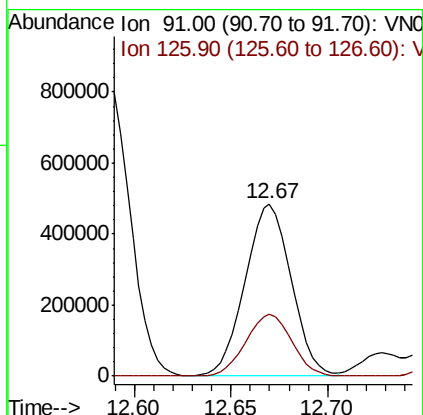
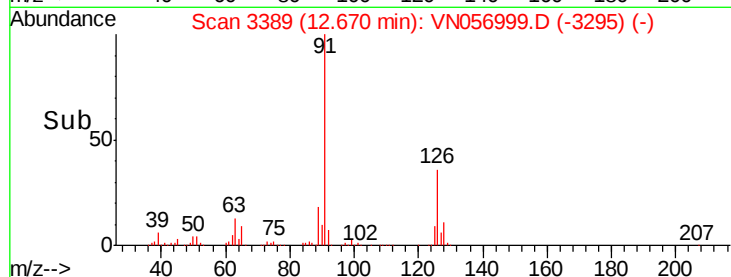
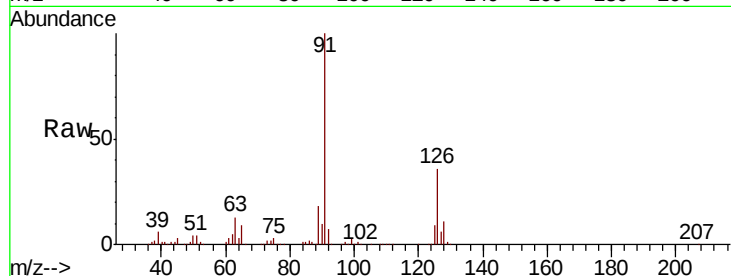
VSTDCCC050

Tot Ion: 91 Resp: 803690

Ion Ratio Lower Upper

91 100

126 36.3 17.9 53.7



#80

1,3,5-Trimethylbenzene

Concen: 49.623 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. -0.00 min

Lab File: VN056999.D

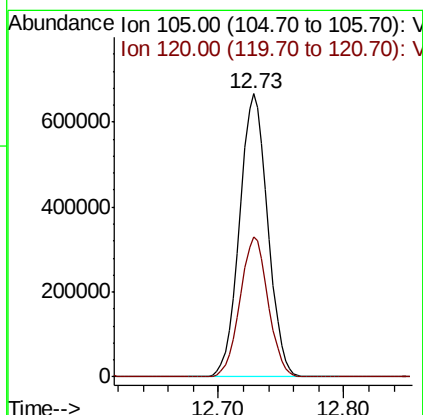
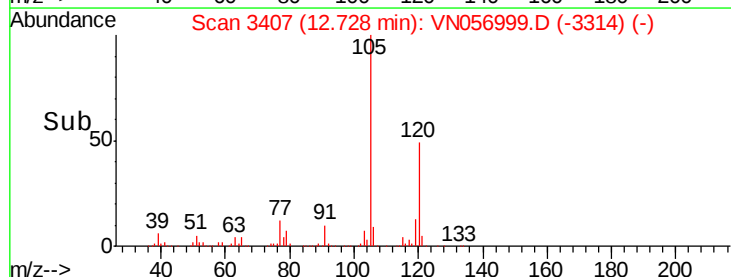
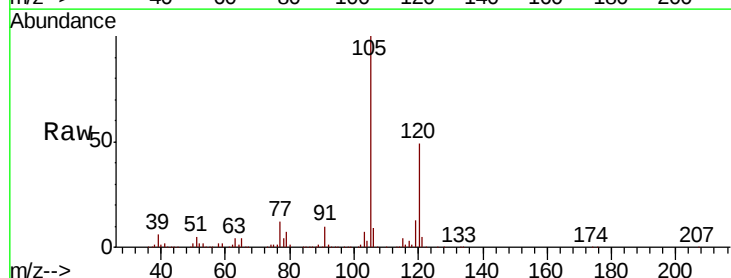
Acq: 31 Jul 2019 8:55

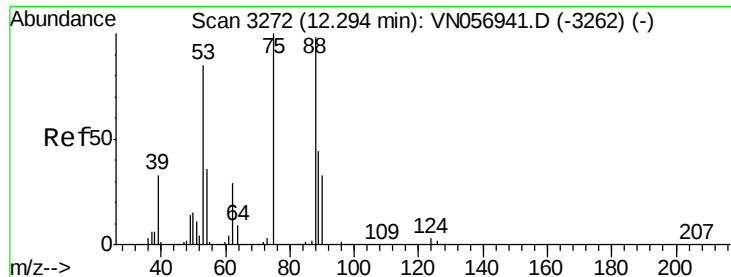
Tgt Ion: 105 Resp: 1038296

Ion Ratio Lower Upper

105 100

120 49.4 24.8 74.3

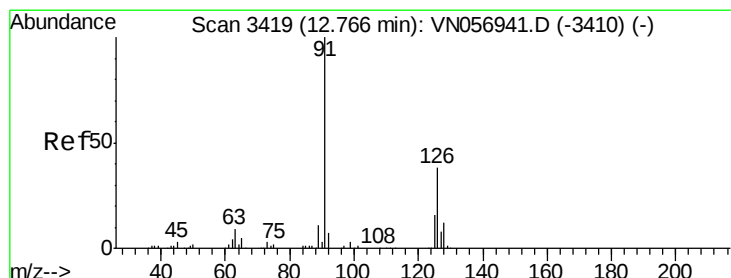
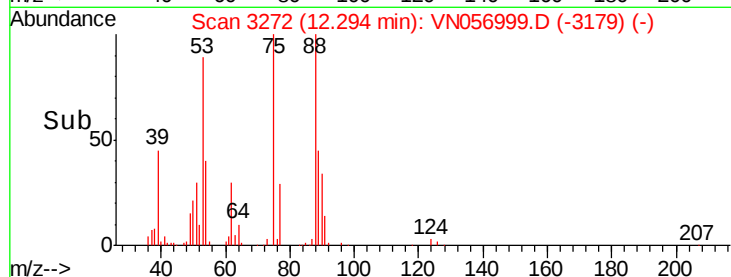
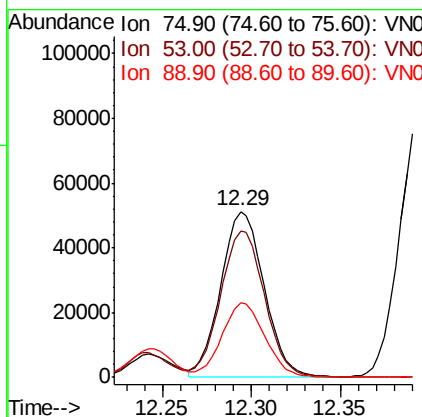
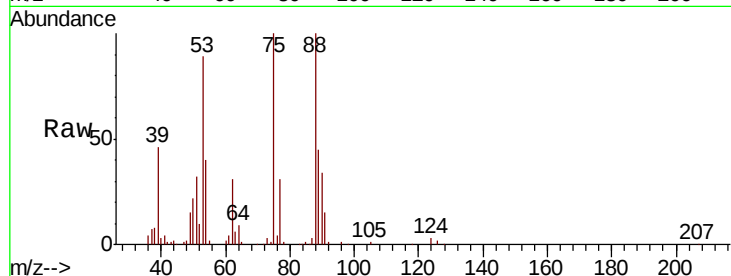




#81
trans-1,4-Dichloro-2-butene
Concen: 46.414 ug/l
RT: 12.29 min Scan# 3272
Delta R.T. -0.00 min
Lab File: VN056999.D
Acq: 31 Jul 2019 8:55

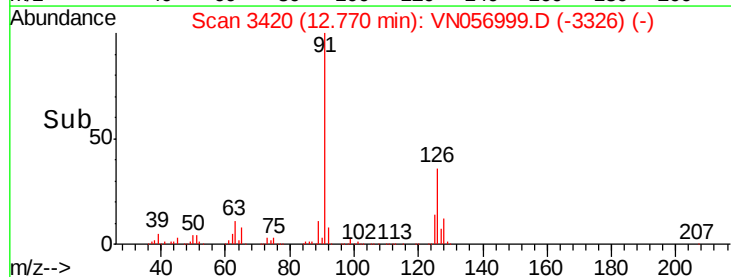
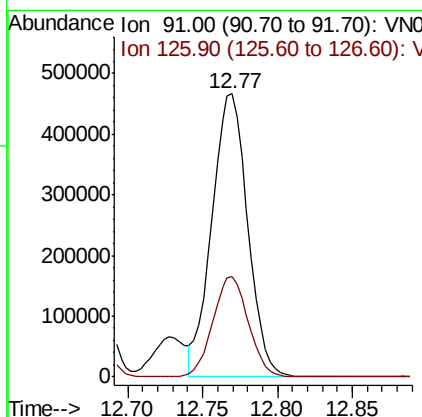
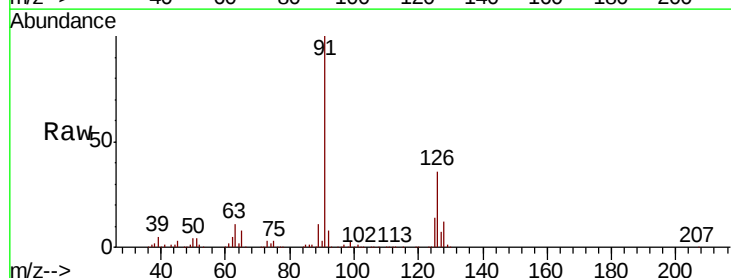
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

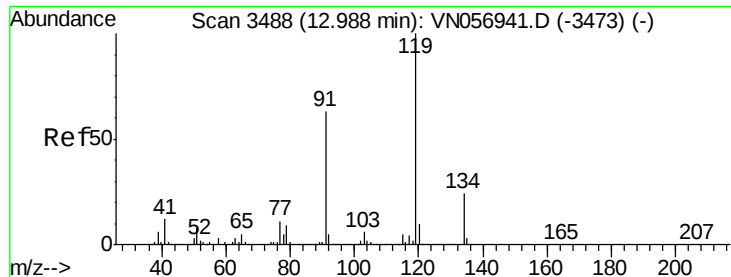
Tot Ion: 75 Resp: 86540
Ion Ratio Lower Upper
75 100
53 89.4 69.3 103.9
89 44.5 35.8 53.6



#82
4-Chlorotoluene
Concen: 49.476 ug/l
RT: 12.77 min Scan# 3420
Delta R.T. 0.00 min
Lab File: VN056999.D
Acq: 31 Jul 2019 8:55

Tgt Ion: 91 Resp: 776067
Ion Ratio Lower Upper
91 100
126 35.2 17.5 52.5

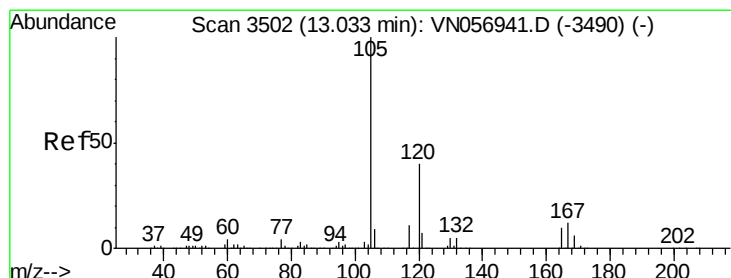
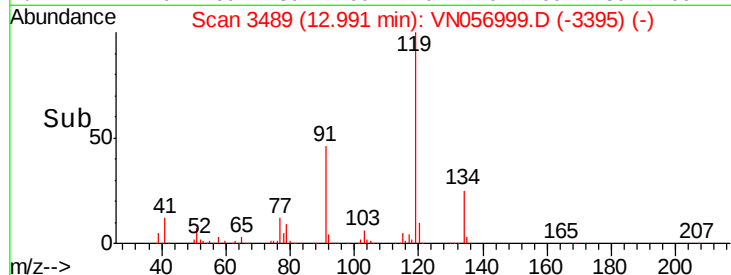
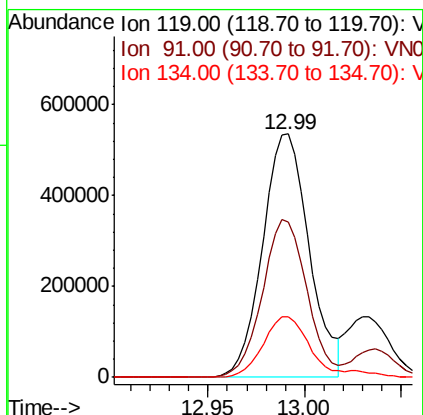
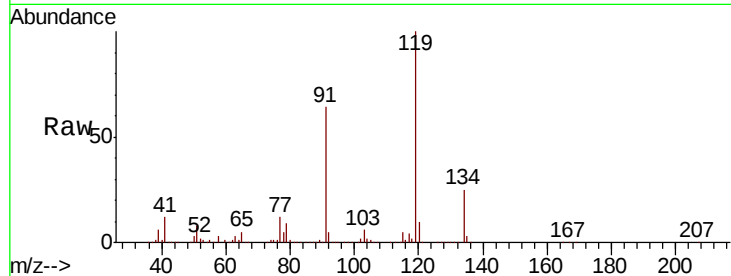




#83
 tert-Butylbenzene
 Concen: 48.501 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. 0.00 min
 Lab File: VN056999.D
 Acq: 31 Jul 2019 8:55

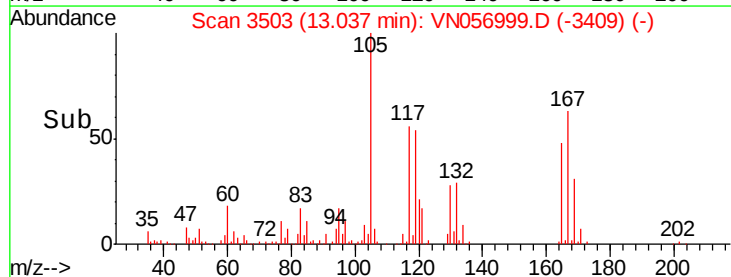
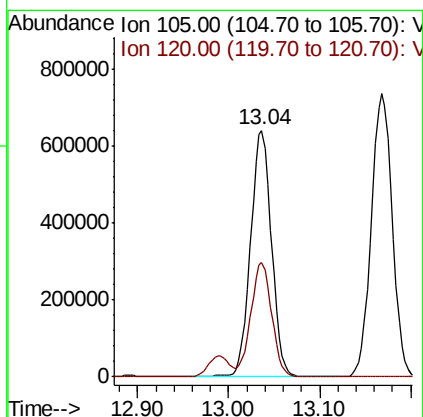
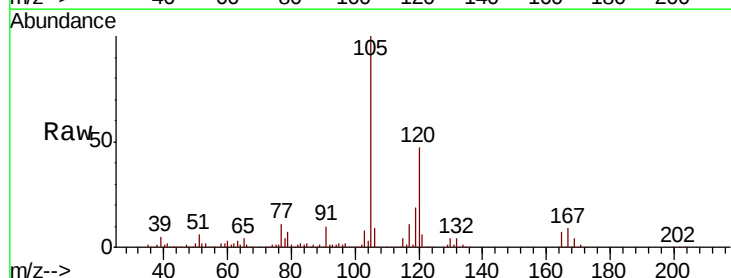
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

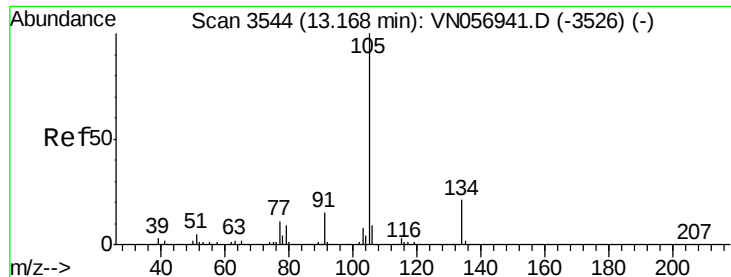
Tot Ion:119 Resp: 898372
 Ion Ratio Lower Upper
 119 100
 91 61.8 31.3 93.8
 134 24.6 13.3 39.8



#84
 1,2,4-Trimethylbenzene
 Concen: 50.848 ug/l
 RT: 13.04 min Scan# 3503
 Delta R.T. 0.00 min
 Lab File: VN056999.D
 Acq: 31 Jul 2019 8:55

Tgt Ion:105 Resp: 1023716
 Ion Ratio Lower Upper
 105 100
 120 46.2 23.2 69.6





#85

sec-Butylbenzene

Concen: 49.171 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. -0.00 min

Lab File: VN056999.D

Acq: 31 Jul 2019 8:55

Instrument :

MSVOA_N

ClientSampleId :

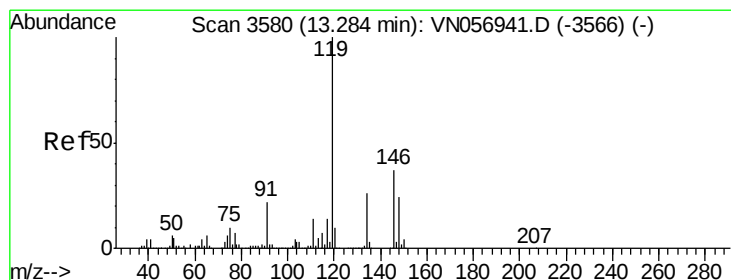
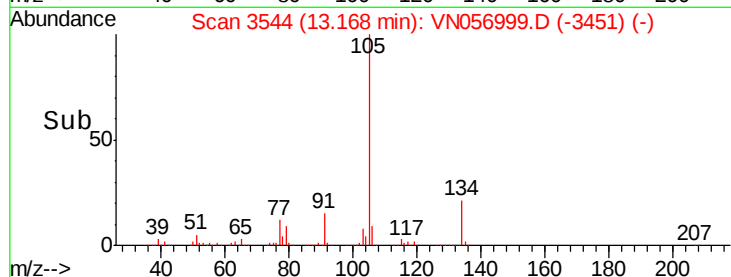
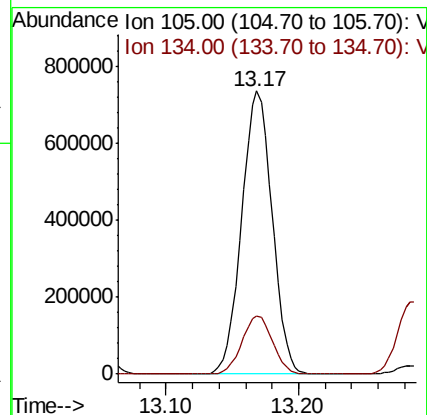
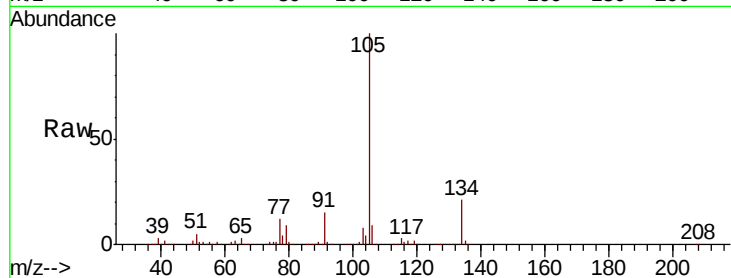
VSTDCCC050

Tot Ion:105 Resp: 1174779

Ion Ratio Lower Upper

105 100

134 20.7 10.3 30.8



#86

p-Isopropyltoluene

Concen: 50.618 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. -0.00 min

Lab File: VN056999.D

Acq: 31 Jul 2019 8:55

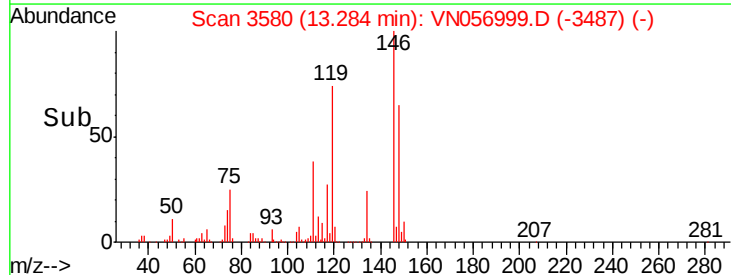
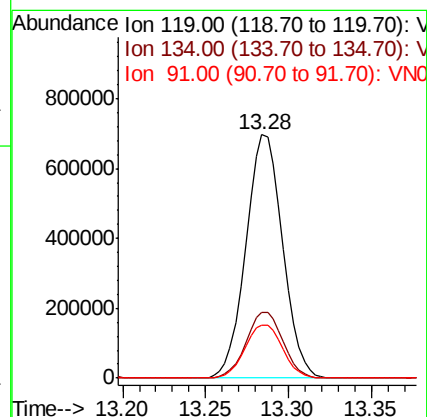
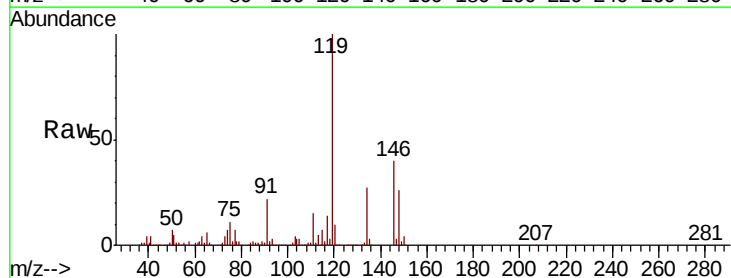
Tgt Ion:119 Resp: 1073698

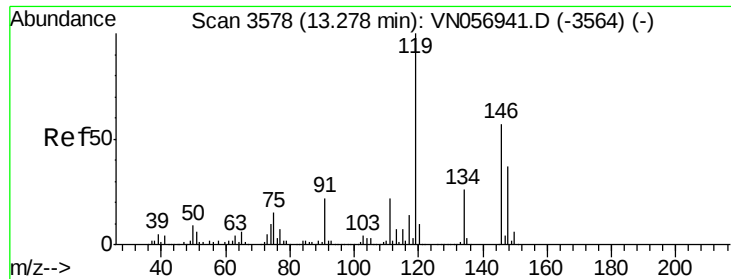
Ion Ratio Lower Upper

119 100

134 27.1 13.4 40.1

91 22.3 11.0 33.0

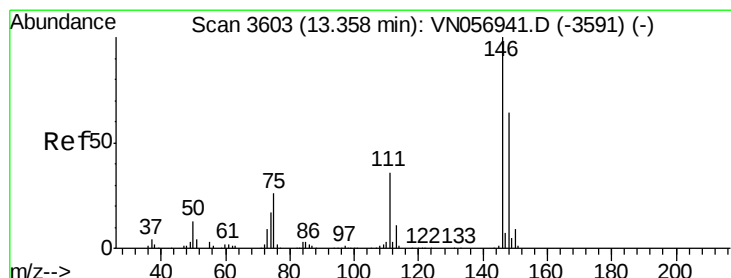
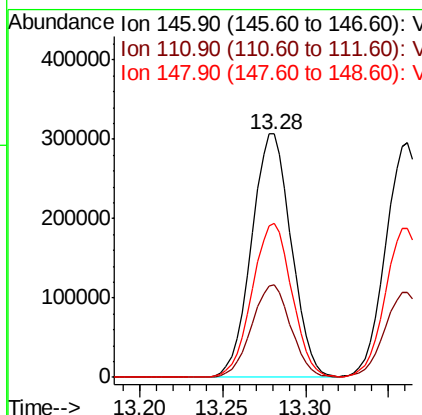
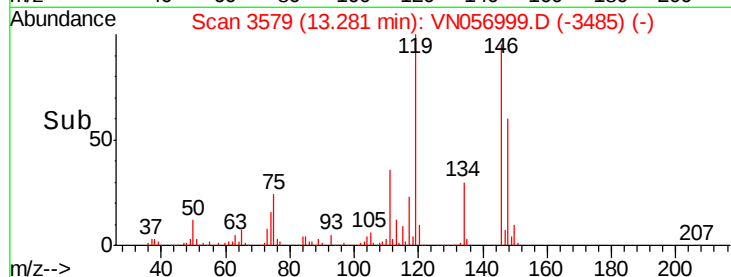
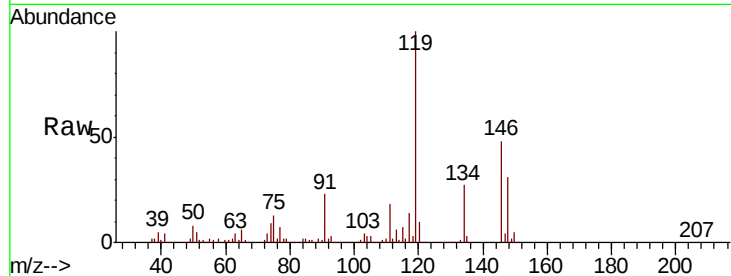




#87
 1,3-Dichlorobenzene
 Concen: 50.592 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN056999.D
 Acq: 31 Jul 2019 8:55

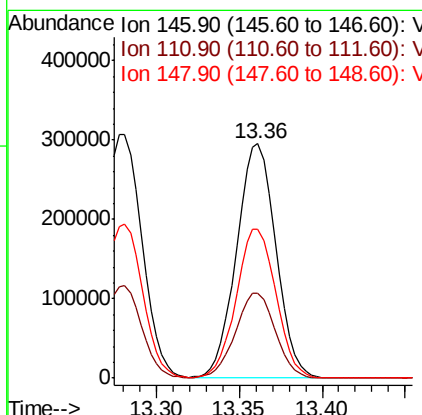
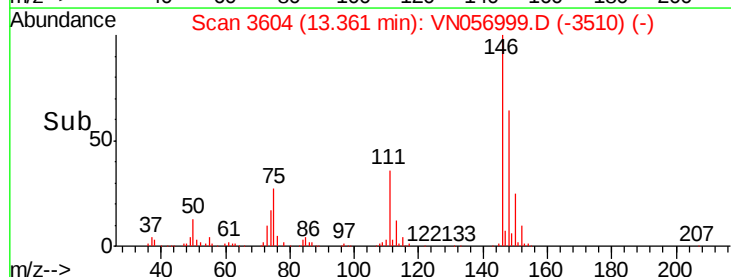
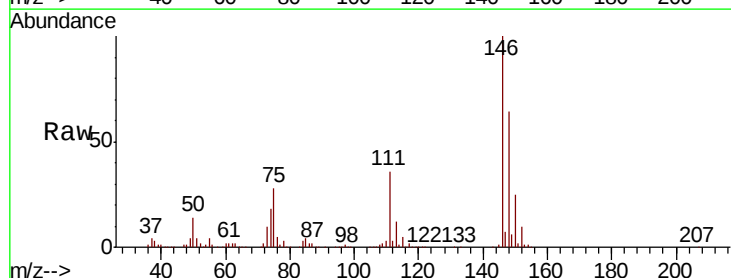
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

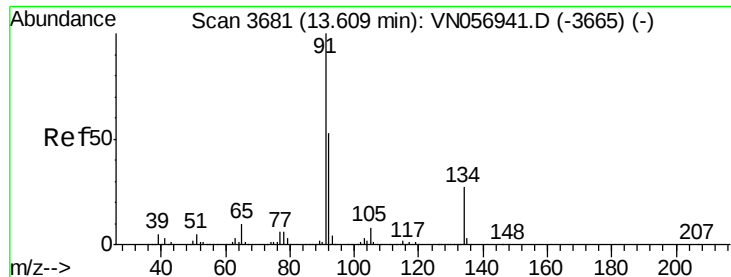
Tot Ion:146 Resp: 512052
 Ion Ratio Lower Upper
 146 100
 111 37.5 18.6 55.8
 148 63.3 32.2 96.6



#88
 1,4-Dichlorobenzene
 Concen: 50.211 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN056999.D
 Acq: 31 Jul 2019 8:55

Tgt Ion:146 Resp: 489228
 Ion Ratio Lower Upper
 146 100
 111 36.7 18.4 55.2
 148 64.3 32.3 96.9





#89

n-Butylbenzene

Concen: 51.359 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. 0.00 min

Lab File: VN056999.D

Acq: 31 Jul 2019 8:55

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

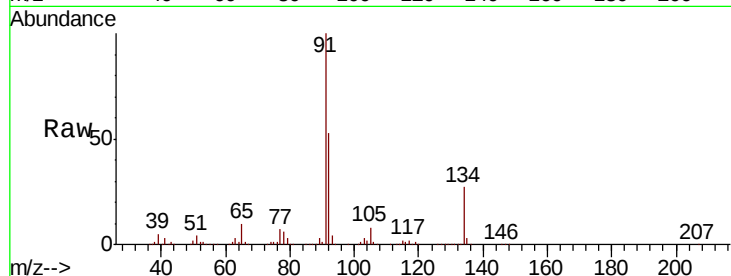
Tot Ion: 91 Resp: 839609

Ion Ratio Lower Upper

91 100

92 52.7 26.2 78.5

134 27.6 13.5 40.4

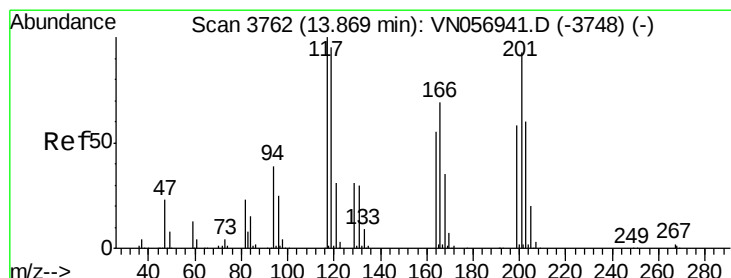
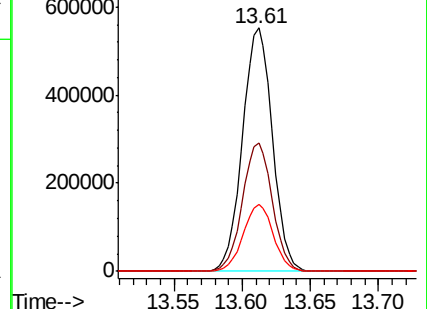
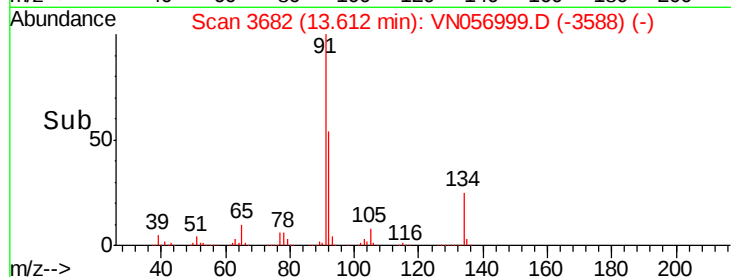


Abundance Ion 91.00 (90.70 to 91.70): VN056941.D (-3665) (-)

Ion 92.00 (91.70 to 92.70): VN056941.D (-3665) (-)

Ion 134.00 (133.70 to 134.70): VN056941.D (-3665) (-)

Time-->



#90

Hexachloroethane

Concen: 47.946 ug/l

RT: 13.87 min Scan# 3762

Delta R.T. -0.00 min

Lab File: VN056999.D

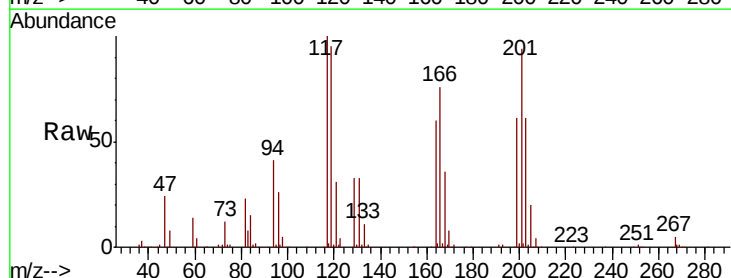
Acq: 31 Jul 2019 8:55

Tgt Ion: 117 Resp: 175123

Ion Ratio Lower Upper

117 100

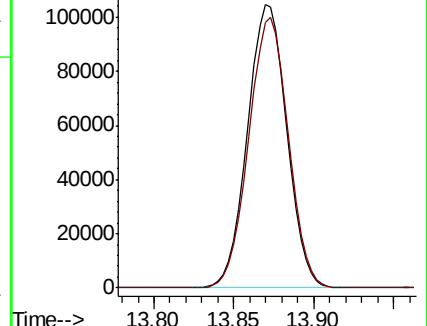
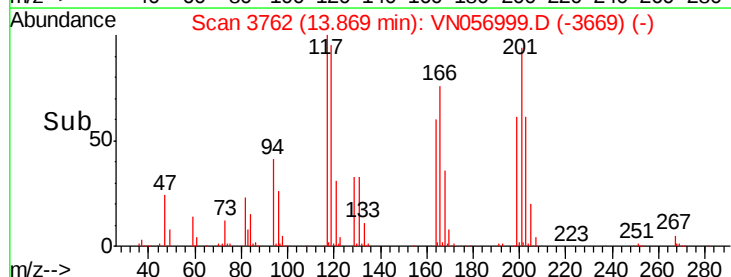
201 96.3 47.0 141.2

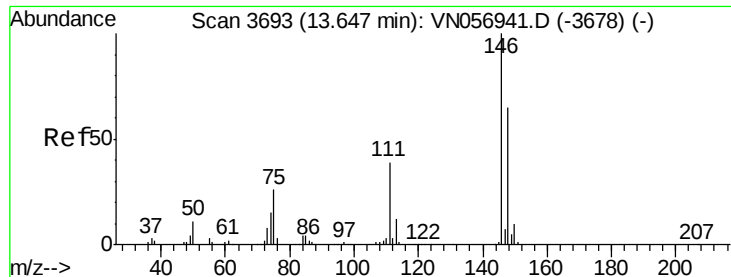


Abundance Ion 116.80 (116.50 to 117.50): VN056941.D (-3748) (-)

Ion 200.70 (200.40 to 201.40): VN056941.D (-3748) (-)

Time-->





#91

1,2-Dichlorobenzene

Concen: 50.758 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. 0.00 min

Lab File: VN056999.D

Acq: 31 Jul 2019 8:55

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

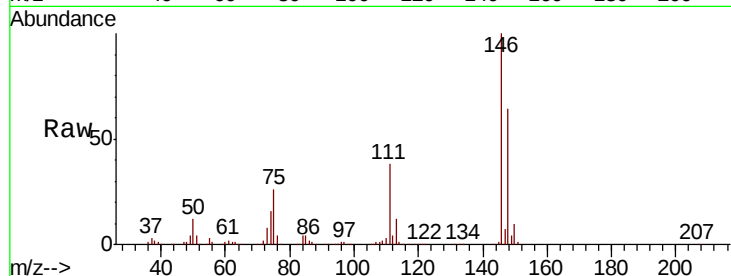
Tot Ion:146 Resp: 505611

Ion Ratio Lower Upper

146 100

111 38.6 19.4 58.4

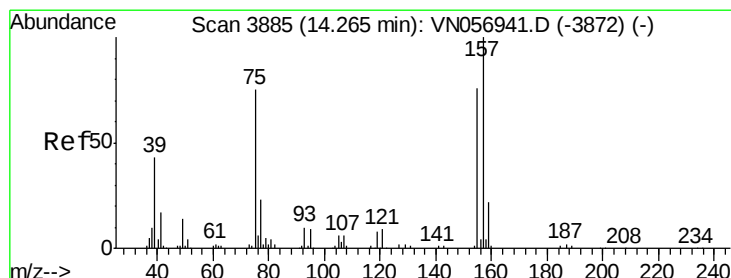
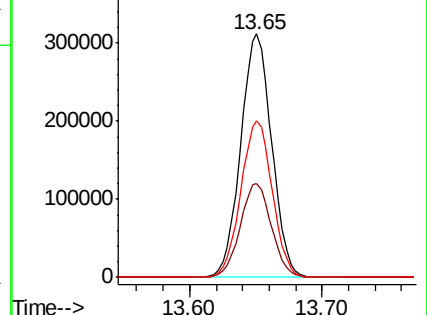
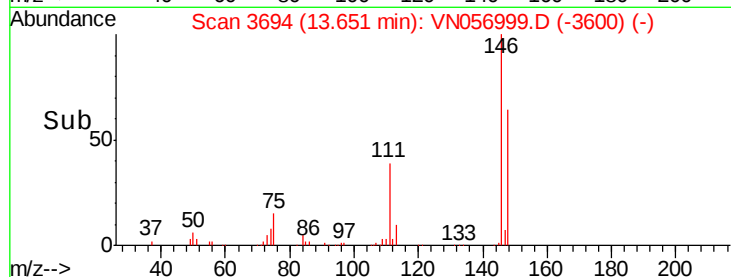
148 65.0 32.2 96.6



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 44.837 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. 0.00 min

Lab File: VN056999.D

Acq: 31 Jul 2019 8:55

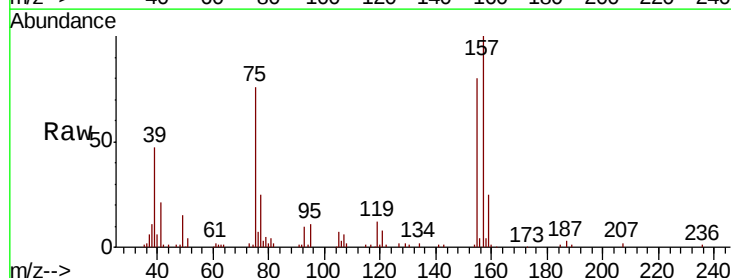
Tgt Ion: 75 Resp: 45464

Ion Ratio Lower Upper

75 100

155 102.7 50.2 150.6

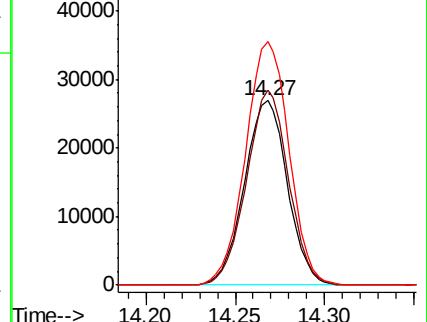
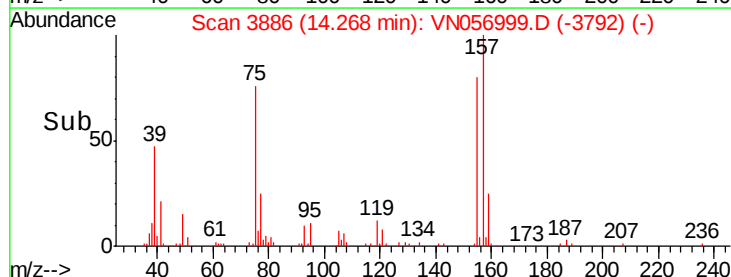
157 132.9 65.1 195.4

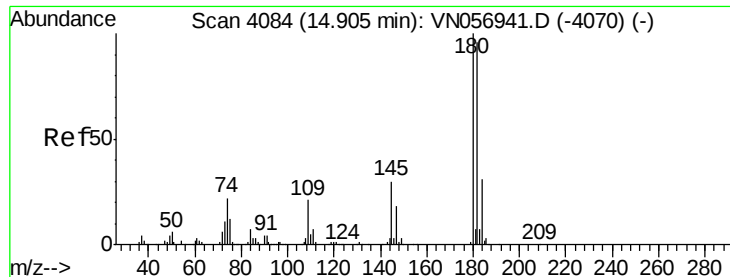


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

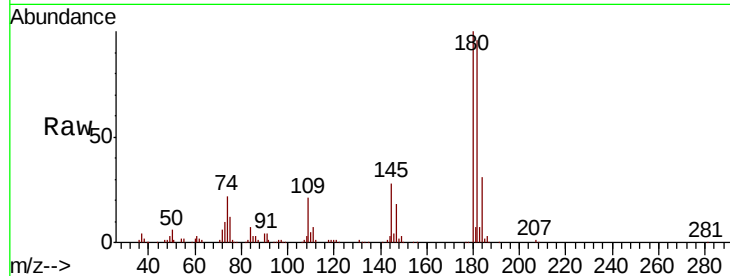




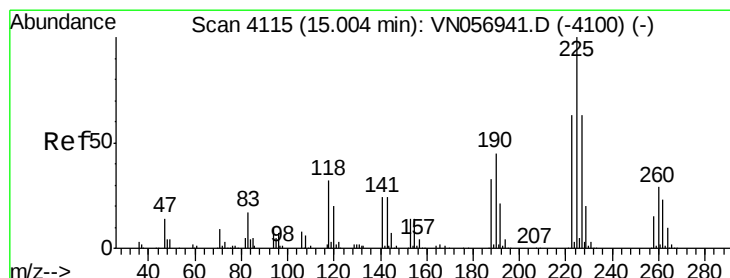
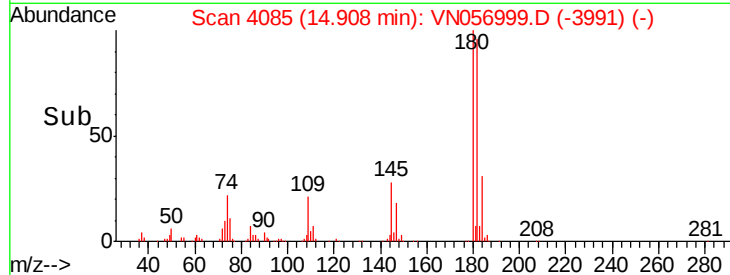
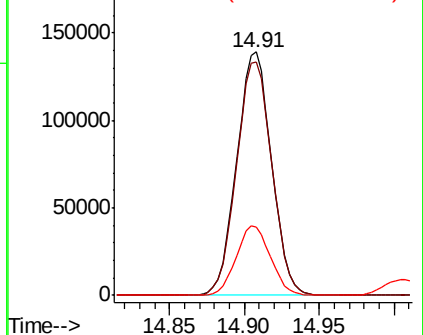
#93
 1,2,4-Trichlorobenzene
 Concen: 44.134 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN056999.D
 Acq: 31 Jul 2019 8:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:180 Resp: 225067
 Ion Ratio Lower Upper
 180 100
 182 97.4 47.6 142.8
 145 28.1 14.2 42.8

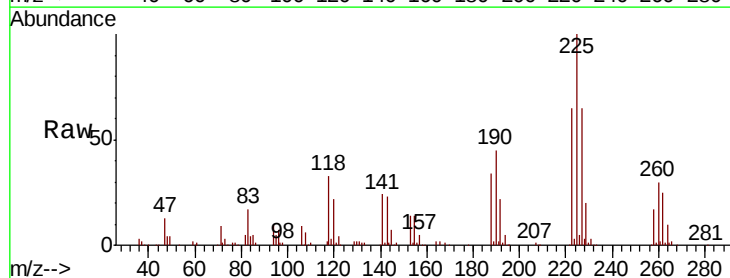


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

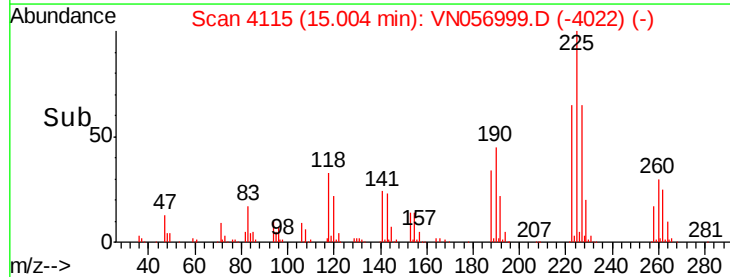
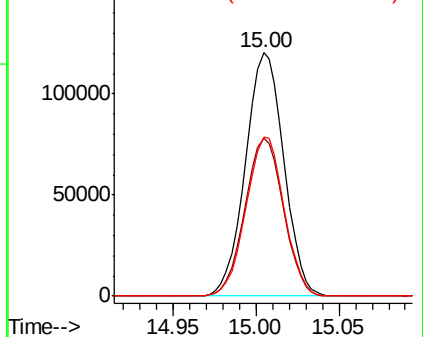


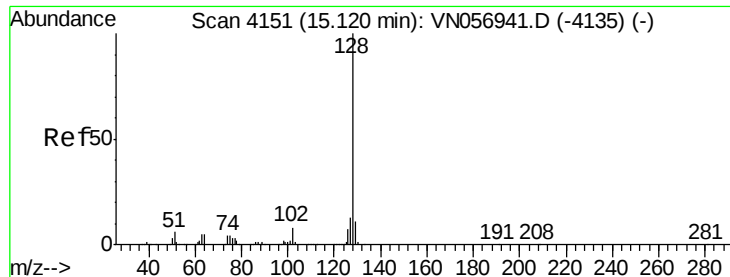
#94
 Hexachlorobutadiene
 Concen: 56.172 ug/l
 RT: 15.00 min Scan# 4115
 Delta R.T. 0.00 min
 Lab File: VN056999.D
 Acq: 31 Jul 2019 8:55

Tgt Ion:225 Resp: 194027
 Ion Ratio Lower Upper
 225 100
 223 64.9 30.8 92.4
 227 64.8 31.1 93.5



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 43.965 ug/l

RT: 15.12 min Scan# 4152

Delta R.T. 0.00 min

Lab File: VN056999.D

Acq: 31 Jul 2019 8:55

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

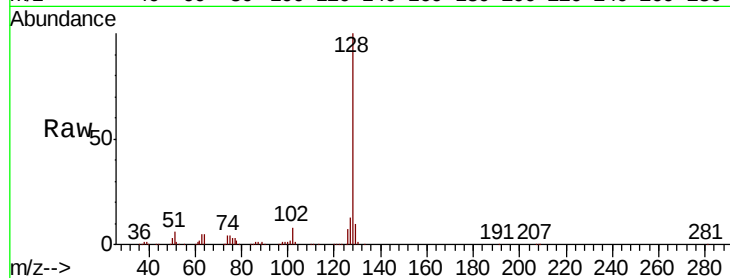
Tot Ion:128 Resp: 545194

Ion Ratio Lower Upper

128 100

127 12.9 10.0 15.0

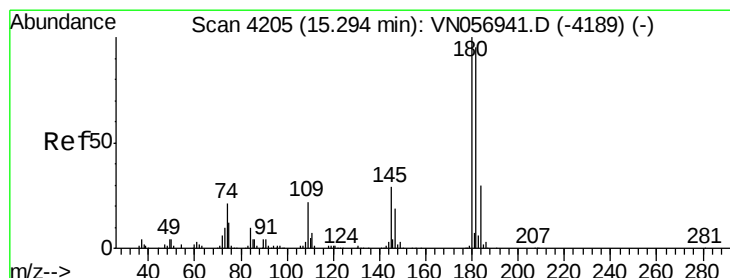
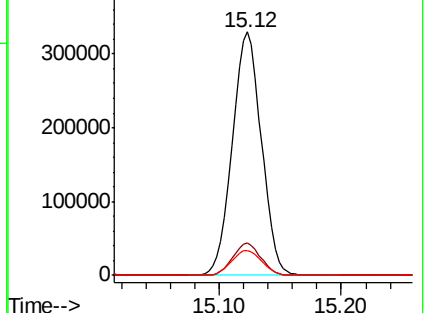
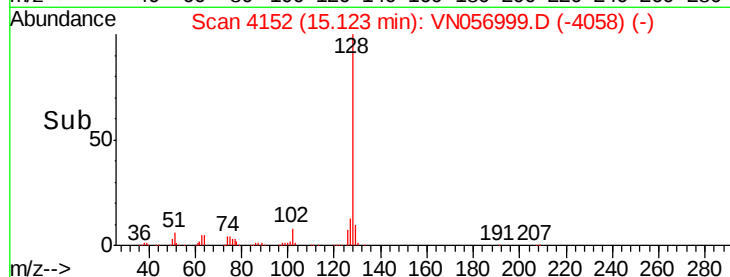
129 10.6 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 47.945 ug/l

RT: 15.29 min Scan# 4205

Delta R.T. 0.00 min

Lab File: VN056999.D

Acq: 31 Jul 2019 8:55

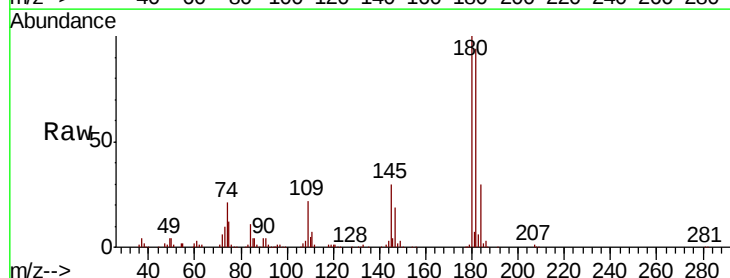
Tgt Ion:180 Resp: 248516

Ion Ratio Lower Upper

180 100

182 94.5 48.0 144.2

145 30.3 15.0 45.0



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

