

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN052919\
 Data File : VN055864.D
 Acq On : 29 May 2019 9:24
 Operator : JC/SP
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Quant Time: May 30 03:38:25 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N052219W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu May 23 05:54:54 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.19	128	59124	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.58	114	317427	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	277306	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	113425	29.35	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	97.83%
60) 4-Bromofluorobenzene	12.40	95	121739	28.22	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	94.07%
63) Toluene-d8	10.09	98	382140	30.15	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.50%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	49281	19.010	ug/l 95
3) Chloromethane	2.06	50	65770	17.837	ug/l 98
4) Vinyl Chloride	2.18	62	71998	19.132	ug/l 99
5) Bromomethane	2.54	94	48503	22.013	ug/l 99
6) Chloroethane	2.69	64	44712	20.338	ug/l 98
7) Trichlorofluoromethane	3.01	101	95832	20.298	ug/l 96
8) Diethyl Ether	3.40	74	42019	20.245	ug/l 91
9) 1,1,2-Trichlorotrifluoroet	3.74	101	59294	19.876	ug/l 98
10) 1,1-Dichloroethene	3.72	96	60979	19.540	ug/l 95
11) Methyl Iodide	3.94	142	90038	20.224	ug/l 99
12) Methyl Acetate	4.33	43	71968	18.856	ug/l 97
13) Acrolein	3.60	56	46054	86.840	ug/l 99
14) Acrylonitrile	4.99	53	164936	94.785	ug/l 100
15) Acetone	3.82	58	63511	117.522	ug/l 94
16) Carbon Disulfide	4.04	76	158655	17.732	ug/l 100
17) Allyl chloride	4.31	41	100950	17.961	ug/l 95
18) Methylene Chloride	4.54	84	70567	19.744	ug/l 95
19) trans-1,2-Dichloroethene	5.03	96	64922	19.338	ug/l 95
20) Diisopropyl ether	5.95	45	203353	18.650	ug/l 99
21) 1,1-Dichloroethane	5.84	63	117614	19.086	ug/l 100
22) cis-1,2-Dichloroethene	6.83	96	76922	19.646	ug/l 95
23) tert-Butyl Alcohol	4.81	59	77824	101.835	ug/l # 100
24) Methyl tert-Butyl Ether	5.05	73	203624	19.230	ug/l 99
25) Chloroform	7.37	83	119522	19.638	ug/l 100
26) Cyclohexane	7.65	56	106430	18.721	ug/l # 95
29) 1,1-Dichloropropene	7.79	75	86394	19.442	ug/l 98
30) 2-Butanone	6.84	43	242374	102.332	ug/l 99
31) 2,2-Dichloropropane	6.82	77	99089	19.162	ug/l 100
32) 1,1,1-Trichloroethane	7.56	97	103363	19.625	ug/l 99
33) Carbon Tetrachloride	7.77	117	89850	19.070	ug/l 99
34) Benzene	8.04	78	277194	20.205	ug/l 100
35) Methacrylonitrile	7.17	41	42197	19.302	ug/l 98
36) 1,2-Dichloroethane	8.12	62	91101	20.320	ug/l 99
37) Trichloroethene	8.83	130	77914	20.355	ug/l 100
38) Methylcyclohexane	9.08	83	110007	19.539	ug/l 98
39) 1,2-Dichloropropane	9.12	63	72630	19.693	ug/l 98
40) Dibromomethane	9.21	93	47481	19.937	ug/l 99

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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu May 23 05:54:54 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	92225	18.895	ug/l	99
42) Vinyl Acetate	5.90	43	869290	94.531	ug/l	99
43) Ethyl Acetate	6.93	43	86685	18.620	ug/l #	100
44) Isopropyl Acetate	8.17	43	145004	18.809	ug/l #	85
45) 1,4-Dioxane	9.21	88	26482	365.133	ug/l	96
46) Methyl methacrylate	9.20	41	66375	18.454	ug/l	97
47) n-amyl Acetate	12.07	43	112653	17.667	ug/l	95
48) t-1,3-Dichloropropene	10.38	75	95582	17.740	ug/l	98
49) cis-1,3-Dichloropropene	9.84	75	110329	18.708	ug/l	99
50) 1,1,2-Trichloroethane	10.56	97	68527	19.765	ug/l	99
51) Ethyl methacrylate	10.43	69	104847	18.762	ug/l	99
52) 1,3-Dichloropropane	10.71	76	113503	19.861	ug/l	98
53) Dibromochloromethane	10.90	129	75702	18.483	ug/l	99
54) 1,2-Dibromoethane	11.00	107	72111	20.100	ug/l	99
55) 2-Chloroethyl vinyl ether	9.69	63	189991	87.379	ug/l	99
56) Bromoform	12.13	173	56157	16.716	ug/l #	96
58) 4-Methyl-2-Pentanone	9.99	43	433372	94.402	ug/l	98
59) 2-Hexanone	10.75	43	313720	95.590	ug/l	100
61) Tetrachloroethene	10.63	164	78996	21.044	ug/l	96
62) Toluene	10.15	91	307061	20.591	ug/l	100
64) Chlorobenzene	11.43	112	188248	20.810	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.51	131	70462	19.333	ug/l	98
66) Ethyl Benzene	11.51	91	327322	20.089	ug/l	99
67) m/p-Xylenes	11.62	106	251970	40.709	ug/l	98
68) o-Xylene	11.95	106	123257	20.124	ug/l	99
69) Styrene	11.96	104	195114	19.308	ug/l	99
70) Isopropylbenzene	12.25	105	327099	20.411	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.50	83	96656	19.598	ug/l	100
72) 1,2,3-Trichloropropane	12.55	75	114027	26.863	ug/l	67
73) Bromobenzene	12.53	156	82809	19.532	ug/l	96
74) n-propylbenzene	12.59	91	337738	19.541	ug/l	99
75) 2-Chlorotoluene	12.67	91	210373	19.926	ug/l	99
76) 1,3,5-Trimethylbenzene	12.73	105	263309	19.878	ug/l	99
77) t-1,4-Dichloro-2-butene	12.30	75	25839	15.325	ug/l	91
78) 4-Chlorotoluene	12.77	91	192269	19.215	ug/l	97
79) tert-butylbenzene	12.99	119	236650	20.321	ug/l	100
80) 1,2,4-Trimethylbenzene	13.04	105	258593	19.665	ug/l	100
81) sec-Butylbenzene	13.17	105	296977	20.071	ug/l	100
82) p-Isopropyltoluene	13.29	119	267653	19.656	ug/l	98
83) 1,3-Dichlorobenzene	13.28	146	128851	19.388	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	118394	18.706	ug/l	98
85) n-Butylbenzene	13.61	91	192708	18.191	ug/l	99
86) Hexachloroethane	13.87	117	47200	17.623	ug/l	95
87) 1,2-Dichlorobenzene	13.65	146	132047	19.731	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	14.26	75	16028	17.147	ug/l	98
89) 1,2,4-Trichlorobenzene	14.91	180	61096	16.913	ug/l	98
90) Hexachlorobutadiene	15.01	225	51497	19.106	ug/l	96
91) Naphthalene	15.13	128	175600	17.791	ug/l	100
92) 1,2,3-Trichlorobenzene	15.31	180	70763	18.743	ug/l	99

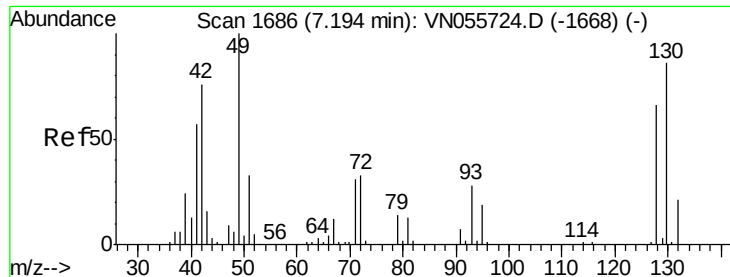
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN052919\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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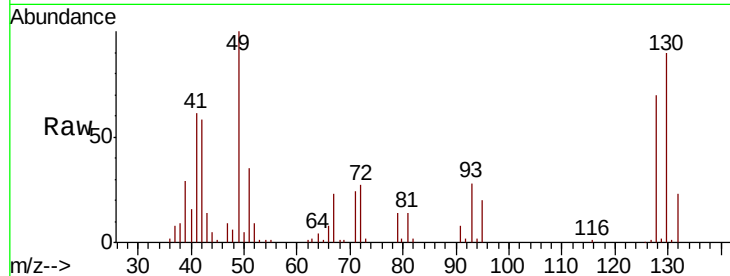
(#) = qualifier out of range (m) = manual integration (+) = signals summed



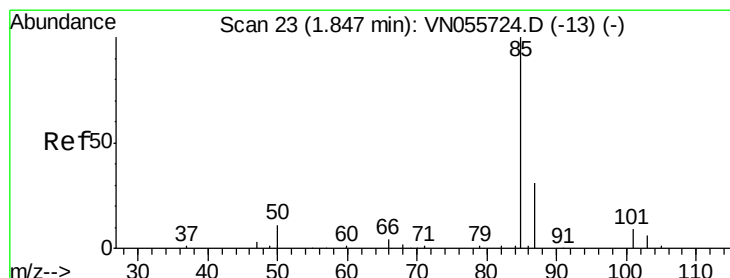
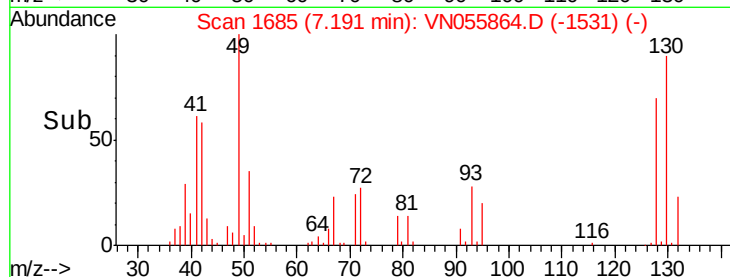
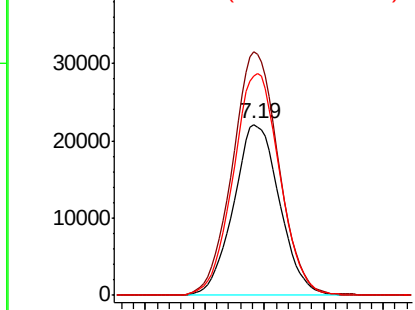
#1
 Bromochloromethane
 Concen: 30.000 ug/l
 RT: 7.19 min Scan# 1685
 Delta R.T. -0.00 min
 Lab File: VN055864.D
 Acq: 29 May 2019 9:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion:128 Resp: 59124
 Ion Ratio Lower Upper
 128 100
 49 143.0 0.0 383.2
 130 131.5 0.0 326.3

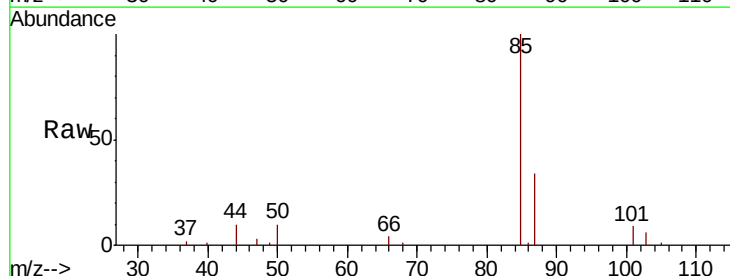


Abundance Ion 128.00 (127.70 to 128.70): V
 Ion 49.00 (48.70 to 49.70): VN
 Ion 130.00 (129.70 to 130.70): V

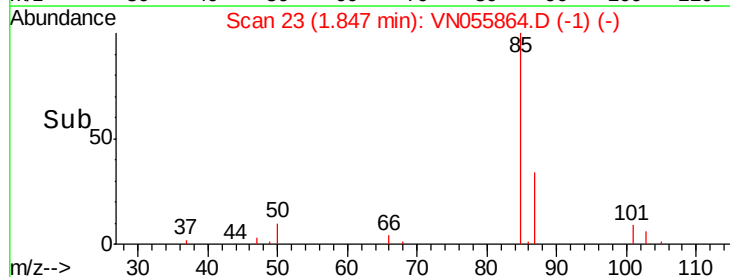
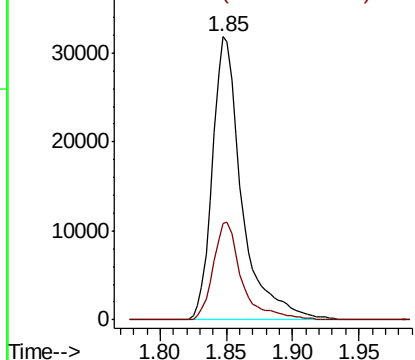


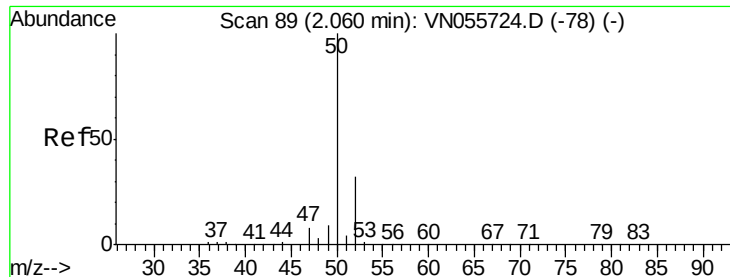
#2
 Dichlorodifluoromethane
 Concen: 19.010 ug/l
 RT: 1.85 min Scan# 23
 Delta R.T. -0.00 min
 Lab File: VN055864.D
 Acq: 29 May 2019 9:24

Tgt Ion: 85 Resp: 49281
 Ion Ratio Lower Upper
 85 100
 87 33.9 15.7 47.0



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





#3

Chloromethane

Concen: 17.837 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN055864.D

Acq: 29 May 2019 9:24

Instrument :

MSVOA_N

ClientSampleId :

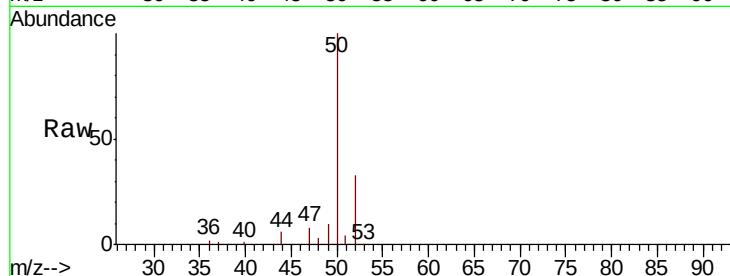
VSTDCCC020

Tot Ion: 50 Resp: 65770

Ion Ratio Lower Upper

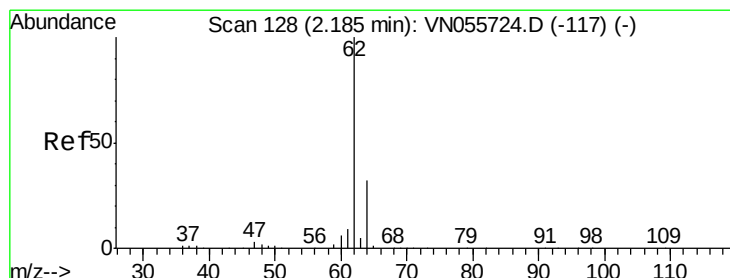
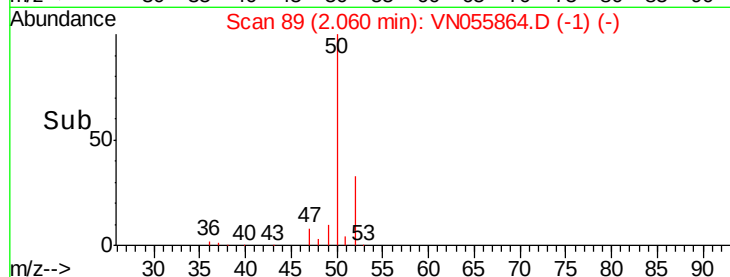
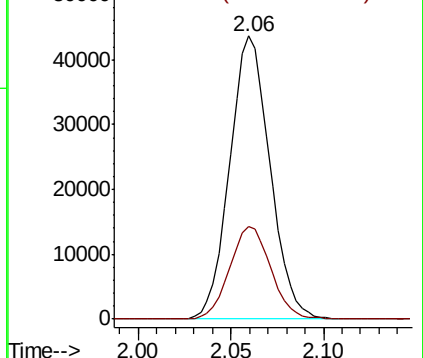
50 100

52 32.9 25.4 38.2



Abundance Ion 50.00 (49.70 to 50.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



#4

Vinyl Chloride

Concen: 19.132 ug/l

RT: 2.18 min Scan# 128

Delta R.T. -0.00 min

Lab File: VN055864.D

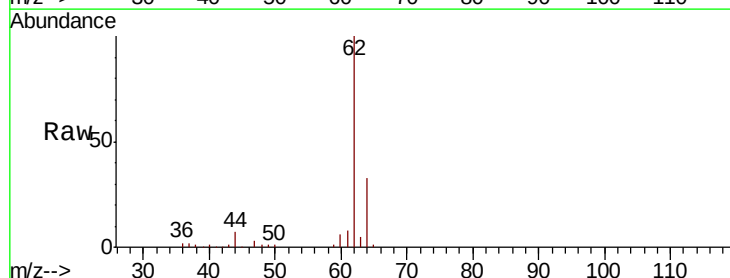
Acq: 29 May 2019 9:24

Tgt Ion: 62 Resp: 71998

Ion Ratio Lower Upper

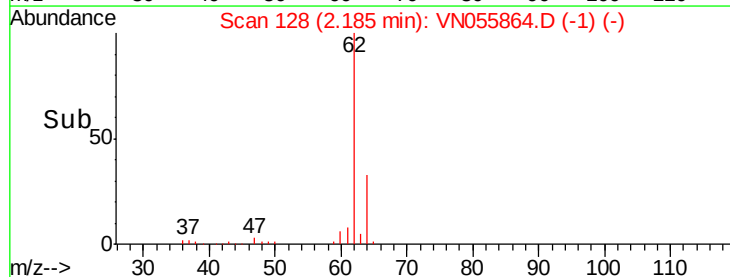
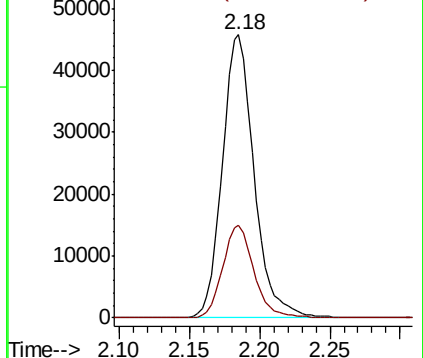
62 100

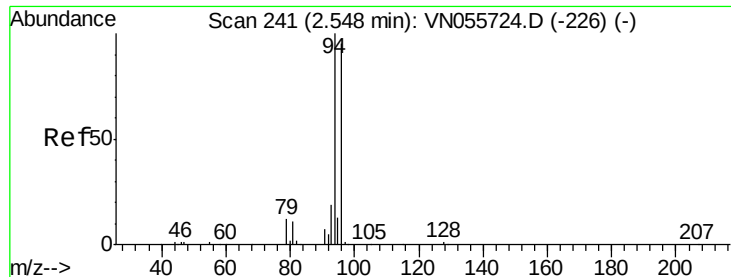
64 32.7 25.7 38.5



Abundance Ion 62.00 (61.70 to 62.70): VN0

Ion 64.00 (63.70 to 64.70): VN0





#5

Bromomethane

Concen: 22.013 ug/l

RT: 2.54 min Scan# 238

Delta R.T. -0.01 min

Lab File: VN055864.D

Acq: 29 May 2019 9:24

Instrument :

MSVOA_N

ClientSampleId :

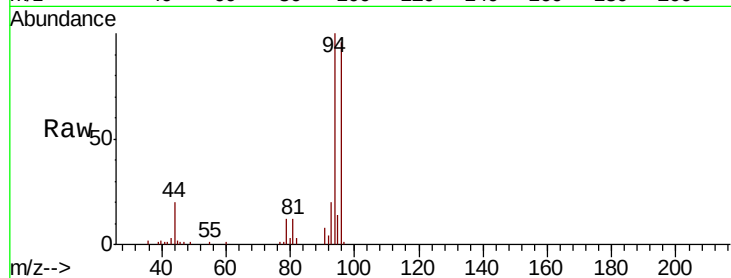
VSTDCCC020

Tot Ion: 94 Resp: 48503

Ion Ratio Lower Upper

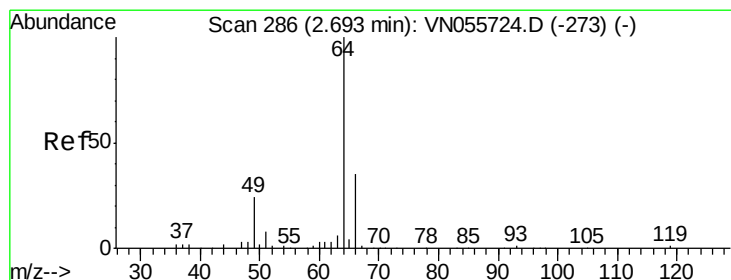
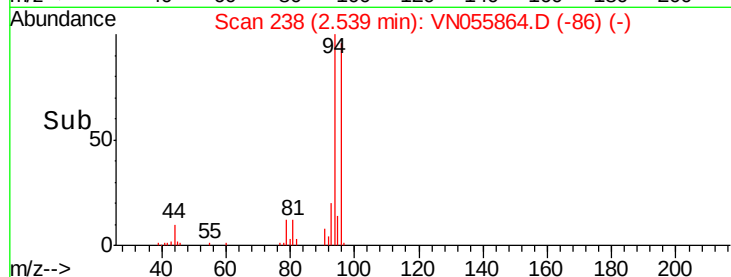
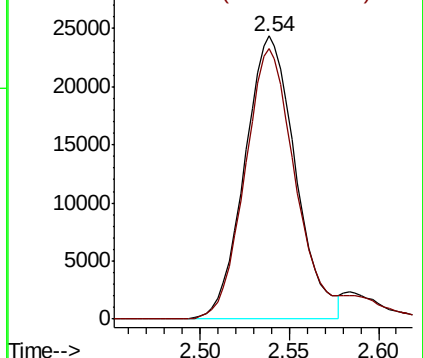
94 100

96 95.7 75.8 113.8



Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0



#6

Chloroethane

Concen: 20.338 ug/l

RT: 2.69 min Scan# 284

Delta R.T. -0.01 min

Lab File: VN055864.D

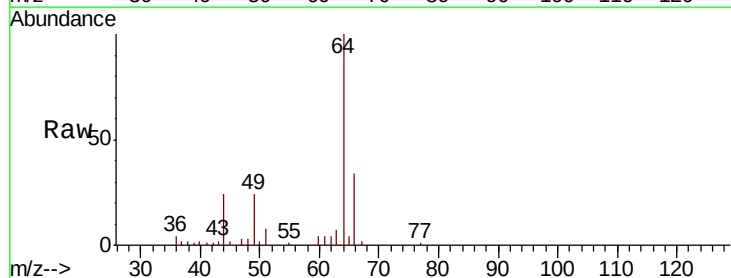
Acq: 29 May 2019 9:24

Tgt Ion: 64 Resp: 44712

Ion Ratio Lower Upper

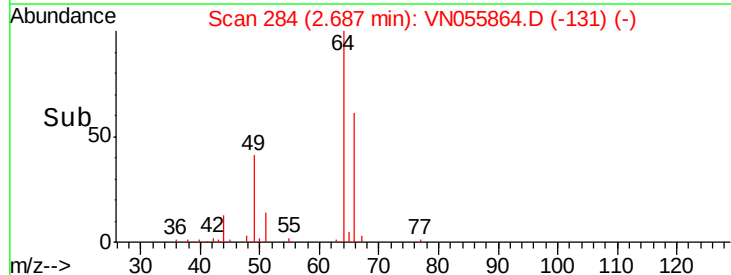
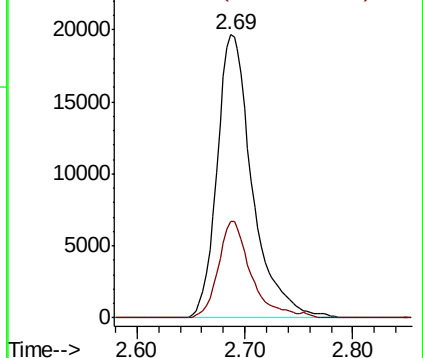
64 100

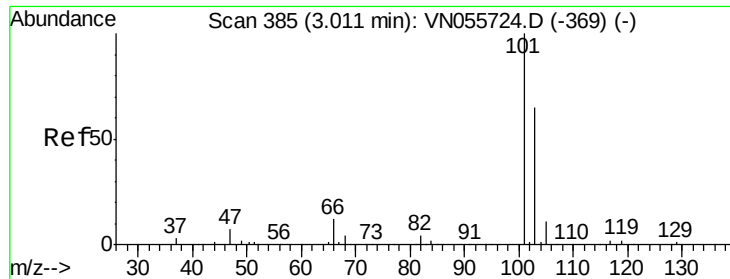
66 34.0 27.9 41.9



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0



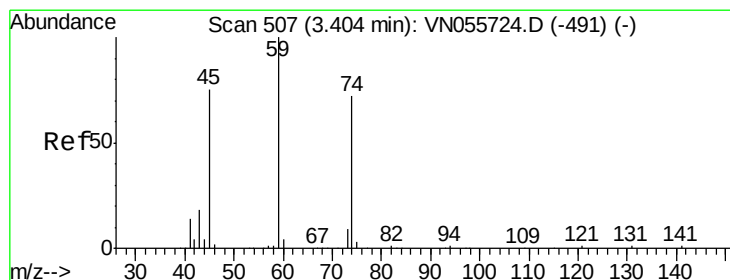
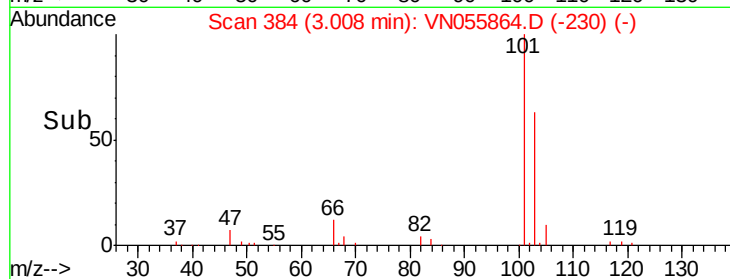
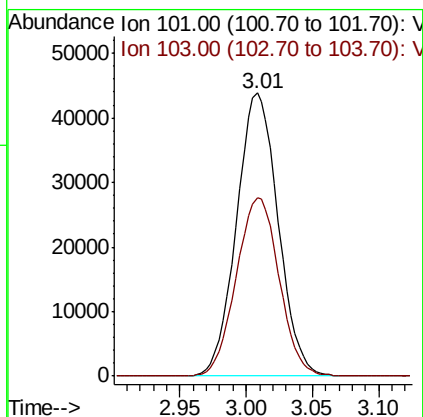
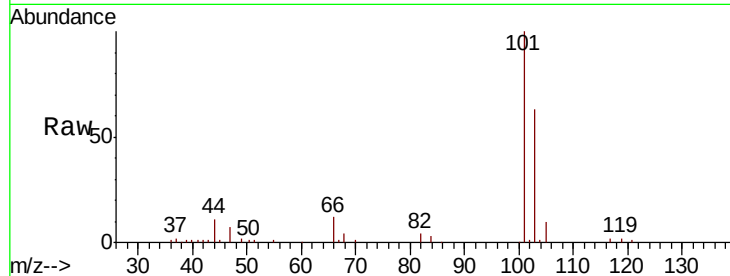


#7

Trichlorofluoromethane
Concen: 20.298 ug/l
RT: 3.01 min Scan# 384
Delta R.T. -0.00 min
Lab File: VN055864.D
Acq: 29 May 2019 9:24

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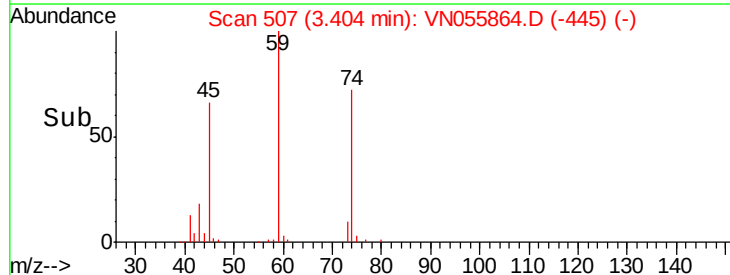
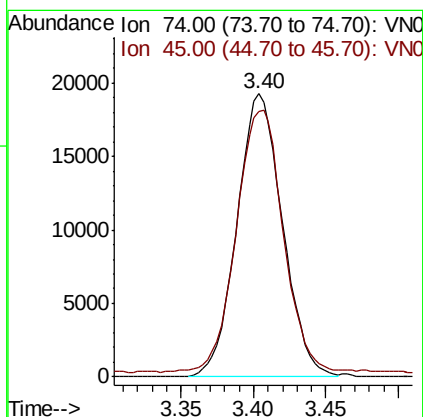
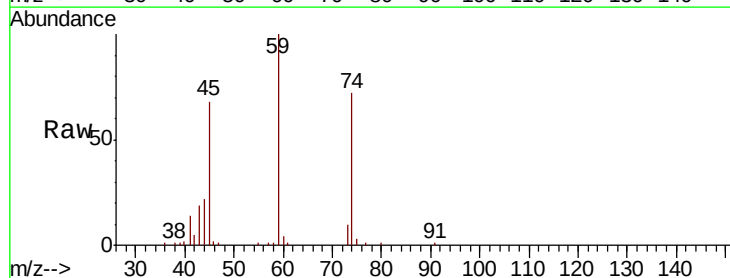
Tot Ion:101 Resp: 95832
Ion Ratio Lower Upper
101 100
103 62.9 52.6 78.8

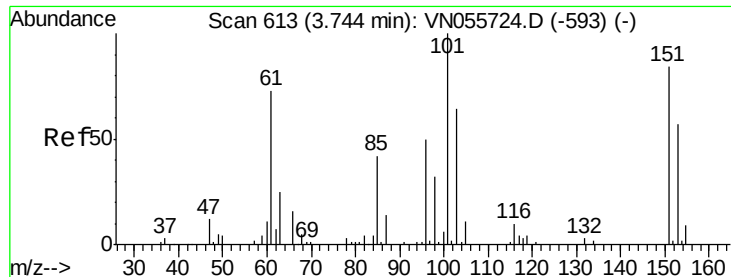


#8

Diethyl Ether
Concen: 20.245 ug/l
RT: 3.40 min Scan# 507
Delta R.T. -0.00 min
Lab File: VN055864.D
Acq: 29 May 2019 9:24

Tgt Ion: 74 Resp: 42019
Ion Ratio Lower Upper
74 100
45 93.3 20.4 184.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.876 ug/l

RT: 3.74 min Scan# 612

Delta R.T. -0.00 min

Lab File: VN055864.D

Acq: 29 May 2019 9:24

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC020

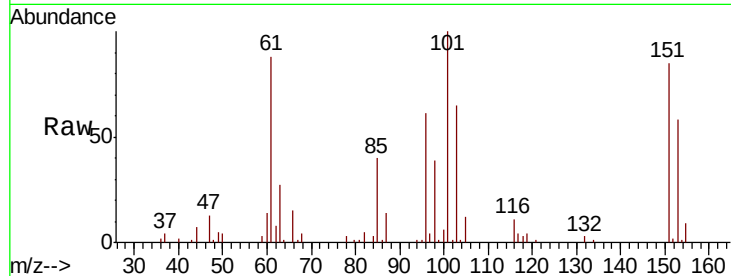
Tot Ion:101 Resp: 59294

Ion Ratio Lower Upper

101 100

85 42.4 0.0 86.6

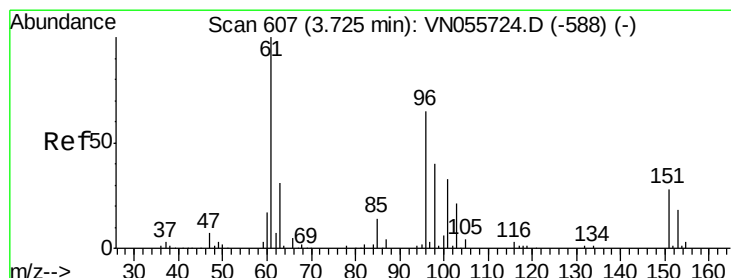
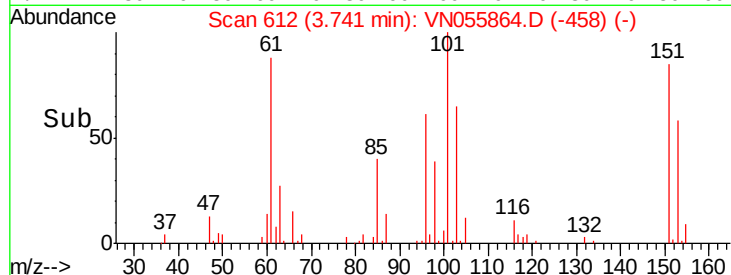
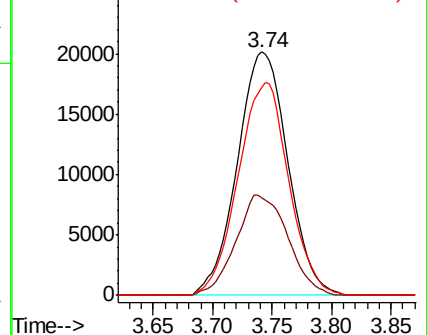
151 87.6 0.0 172.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VN0

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 19.540 ug/l

RT: 3.72 min Scan# 606

Delta R.T. -0.00 min

Lab File: VN055864.D

Acq: 29 May 2019 9:24

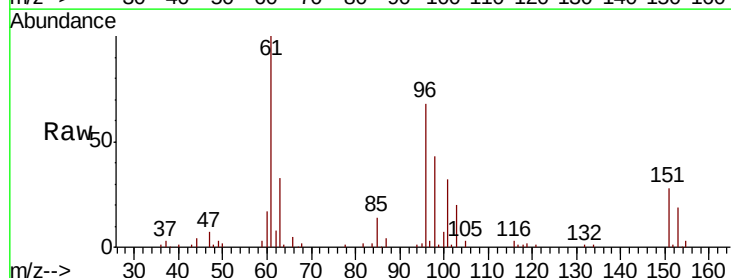
Tgt Ion: 96 Resp: 60979

Ion Ratio Lower Upper

96 100

61 146.3 123.7 185.5

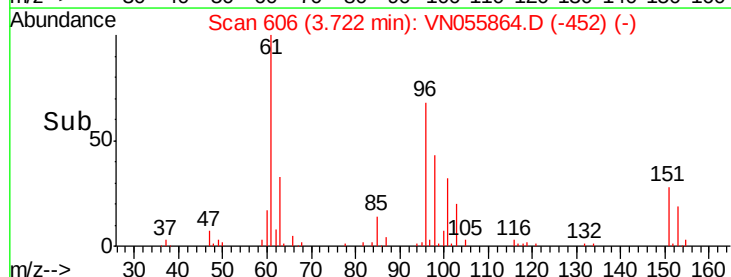
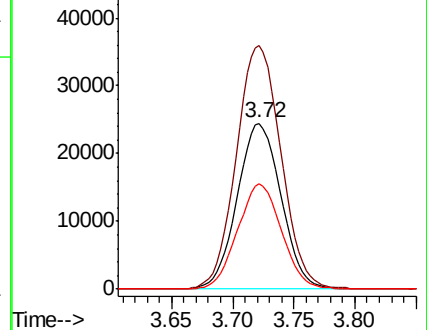
98 63.6 50.0 75.0

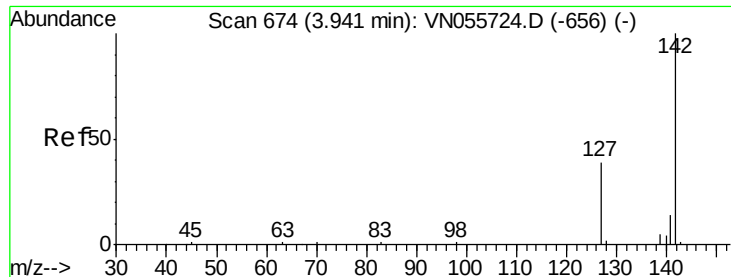


Abundance Ion 96.00 (95.70 to 96.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 98.00 (97.70 to 98.70): VN0

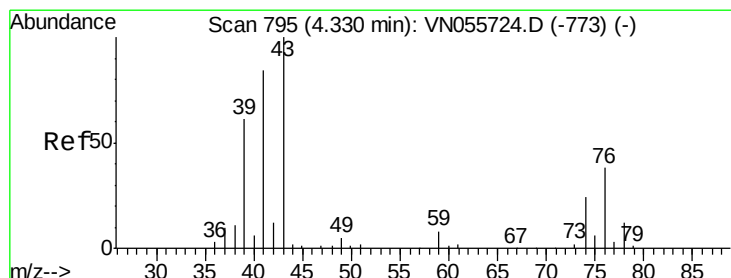
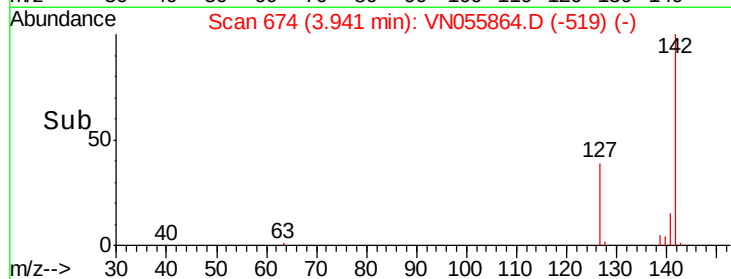
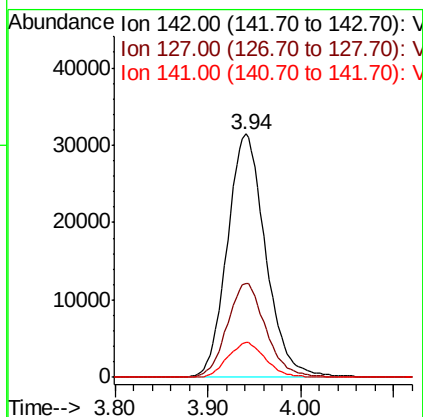
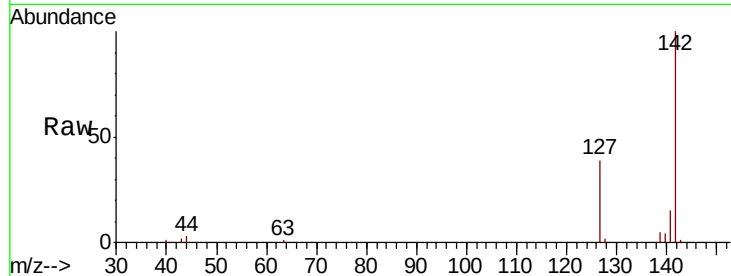




#11
Methyl Iodide
Concen: 20.224 ug/l
RT: 3.94 min Scan# 674
Delta R.T. -0.00 min
Lab File: VN055864.D
Acq: 29 May 2019 9:24

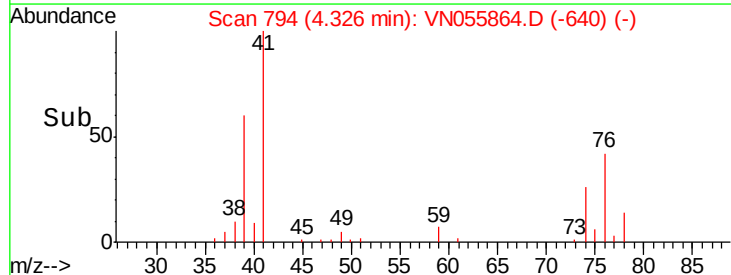
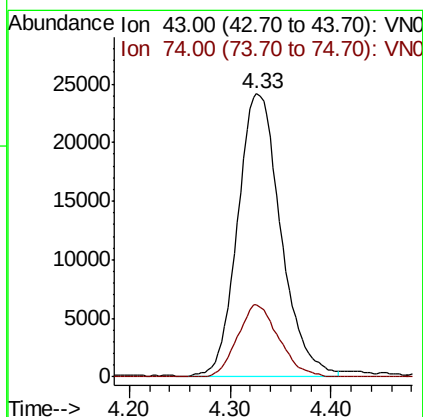
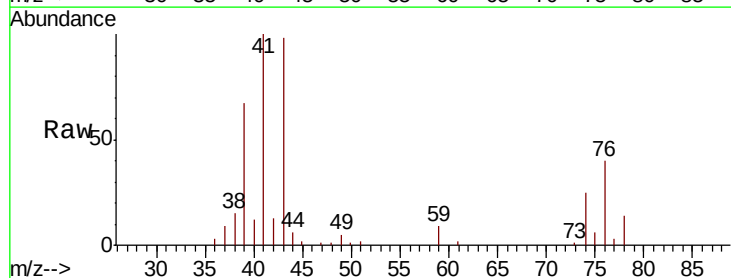
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

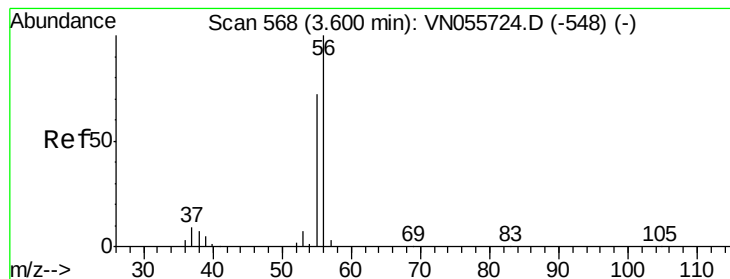
Tot Ion:142 Resp: 90038
Ion Ratio Lower Upper
142 100
127 38.8 19.6 58.7
141 14.6 6.9 20.6



#12
Methyl Acetate
Concen: 18.856 ug/l
RT: 4.33 min Scan# 794
Delta R.T. -0.00 min
Lab File: VN055864.D
Acq: 29 May 2019 9:24

Tgt Ion: 43 Resp: 71968
Ion Ratio Lower Upper
43 100
74 25.6 19.2 28.8





#13

Acrolein

Concen: 86.840 ug/l

RT: 3.60 min Scan# 568

Delta R.T. -0.00 min

Lab File: VN055864.D

Acq: 29 May 2019 9:24

Instrument :

MSVOA_N

ClientSampleId :

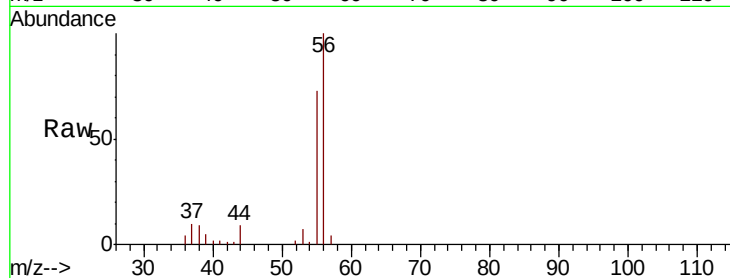
VSTDCCC020

Tot Ion: 56 Resp: 46054

Ion Ratio Lower Upper

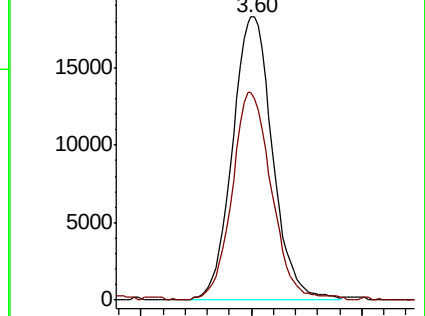
56 100

55 71.7 57.0 85.6

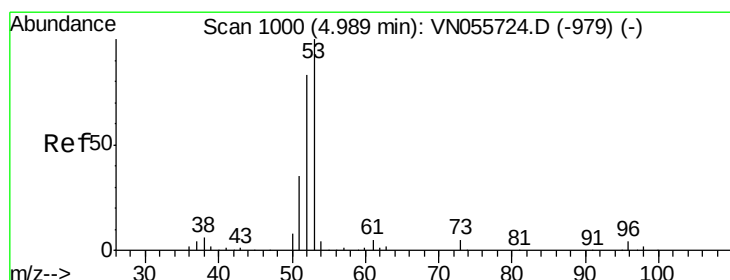
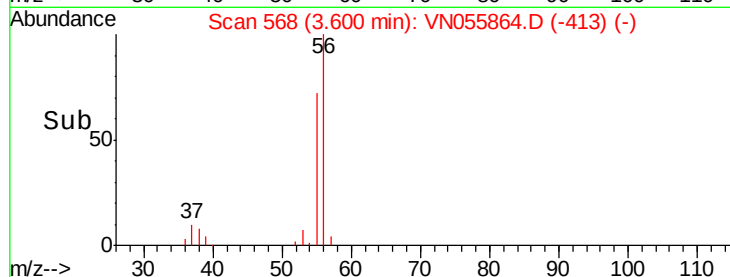


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



Time-->



#14

Acrylonitrile

Concen: 94.785 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. -0.00 min

Lab File: VN055864.D

Acq: 29 May 2019 9:24

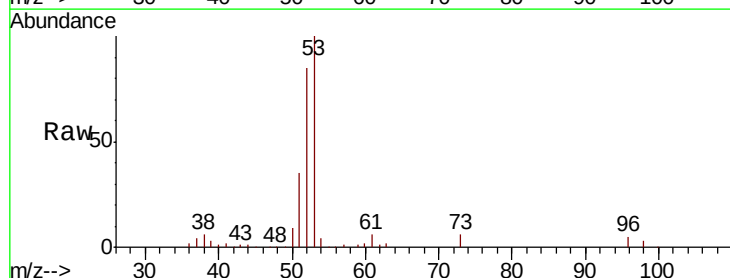
Tgt Ion: 53 Resp: 164936

Ion Ratio Lower Upper

53 100

52 82.2 41.1 123.4

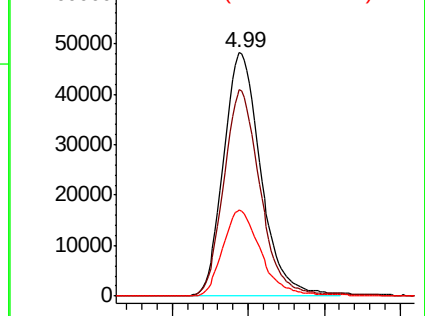
51 35.8 17.5 52.6



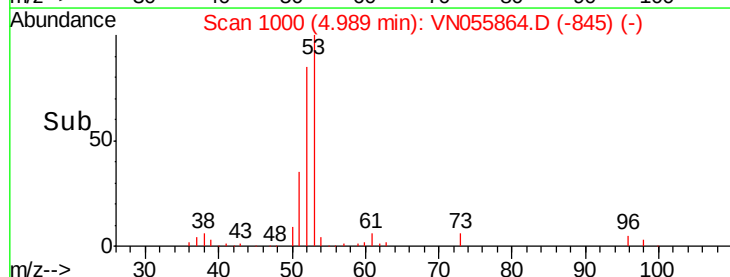
Abundance Ion 53.00 (52.70 to 53.70): VN0

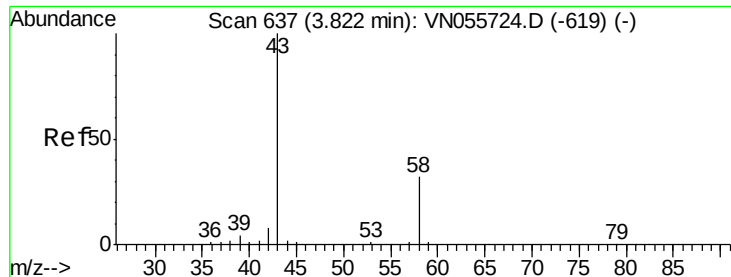
Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



Time-->





#15

Acetone

Concen: 117.522 ug/l

RT: 3.82 min Scan# 637

Delta R.T. -0.00 min

Lab File: VN055864.D

Acq: 29 May 2019 9:24

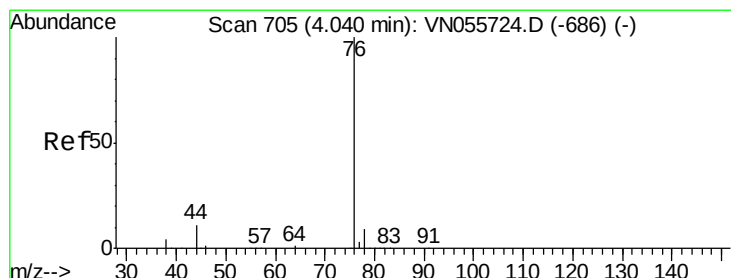
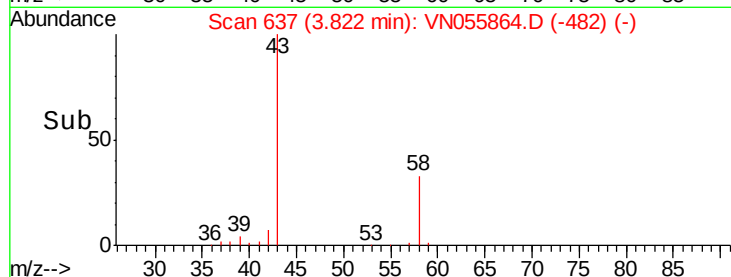
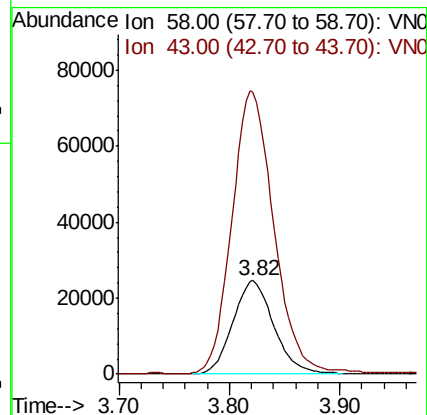
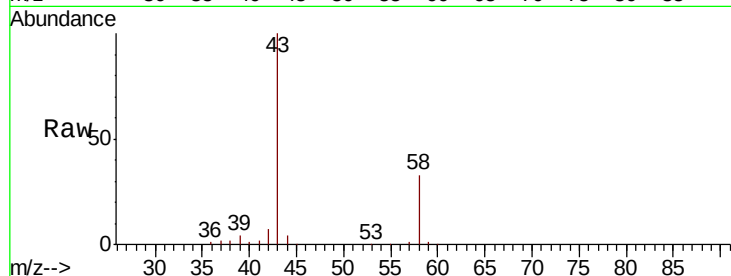
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion: 58 Resp: 63511

Ion Ratio Lower Upper

58 100

43 299.4 248.8 373.2



#16

Carbon Disulfide

Concen: 17.732 ug/l

RT: 4.04 min Scan# 704

Delta R.T. -0.00 min

Lab File: VN055864.D

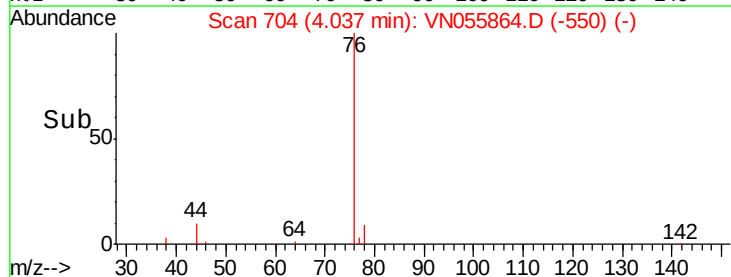
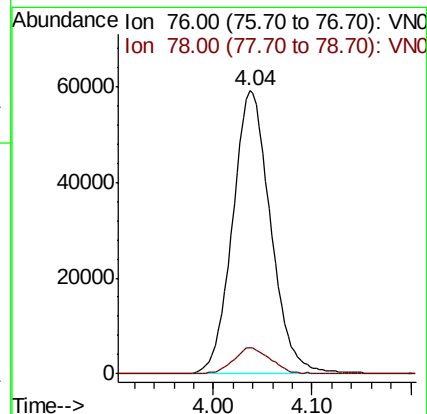
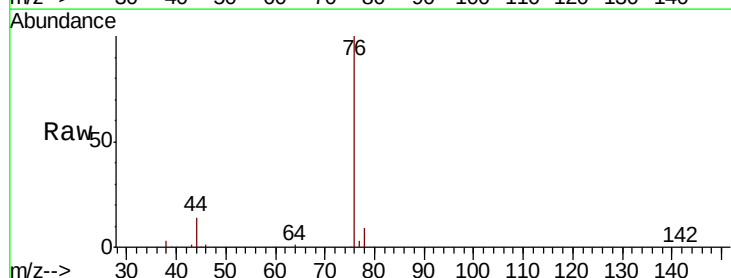
Acq: 29 May 2019 9:24

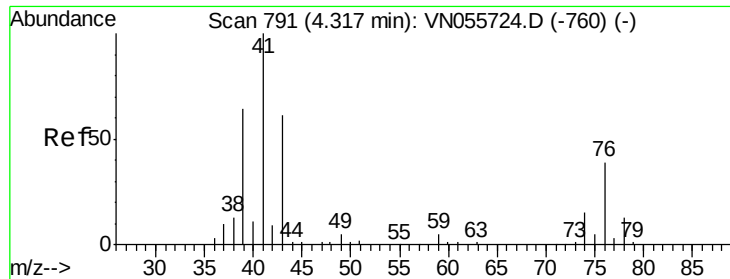
Tgt Ion: 76 Resp: 158655

Ion Ratio Lower Upper

76 100

78 9.3 7.4 11.0

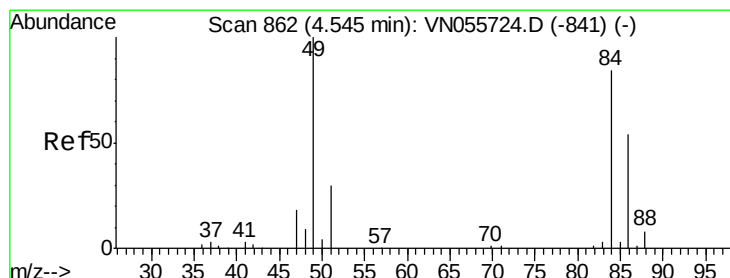
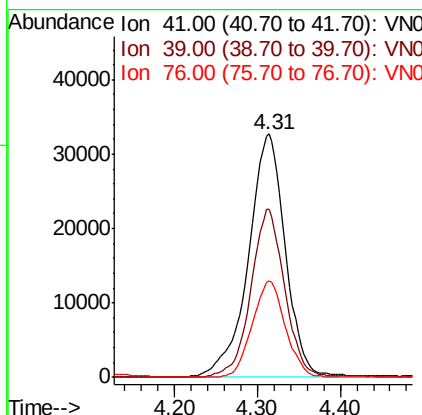
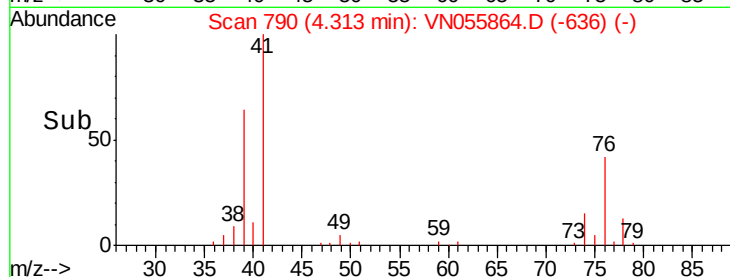
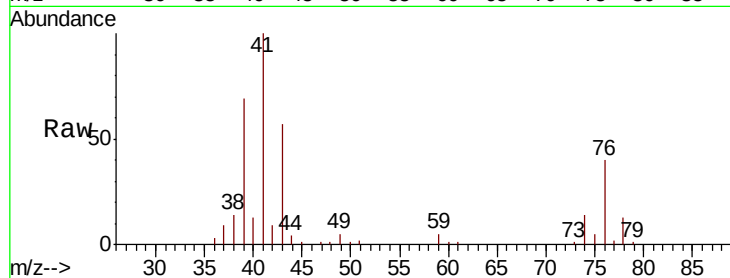




#17
Allvl chloride
Concen: 17.961 ug/l
RT: 4.31 min Scan# 790
Delta R.T. -0.00 min
Lab File: VN055864.D
Acq: 29 May 2019 9:24

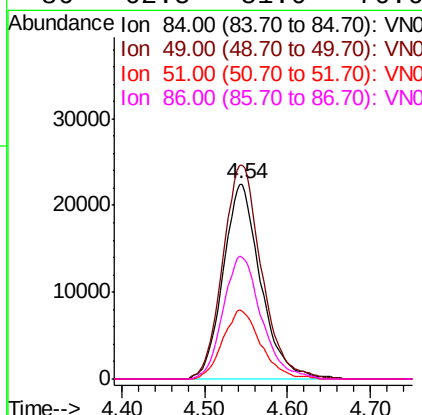
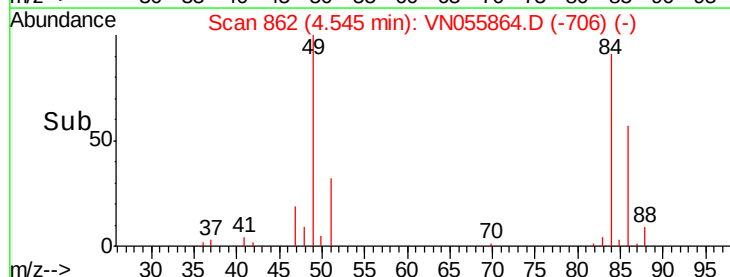
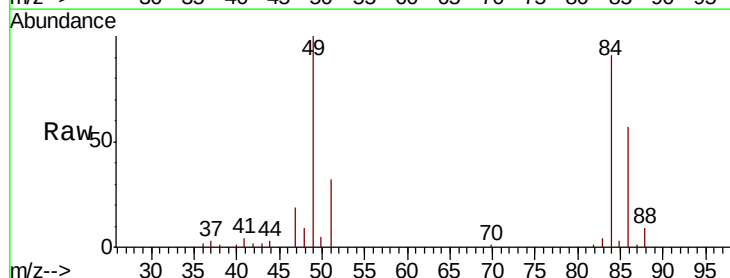
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

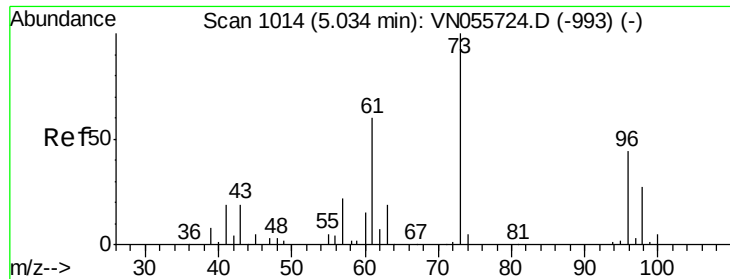
Tot Ion:	41	Resp:	100950
Ion	Ratio	Lower	Upper
41	100		
39	69.3	31.8	95.3
76	39.8	19.3	57.9



#18
Methylene Chloride
Concen: 19.744 ug/l
RT: 4.54 min Scan# 862
Delta R.T. -0.00 min
Lab File: VN055864.D
Acq: 29 May 2019 9:24

Tgt Ion:	84	Resp:	70567
Ion	Ratio	Lower	Upper
84	100		
49	109.6	94.7	142.1
51	34.9	28.6	43.0
86	62.5	51.0	76.6

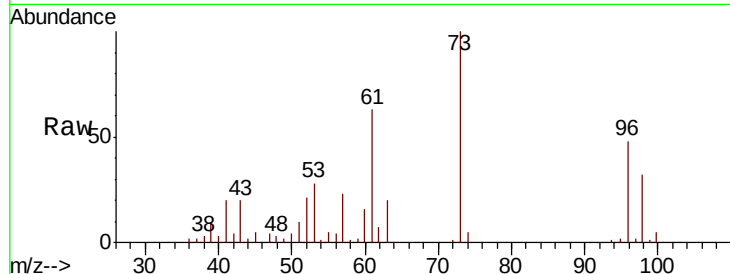




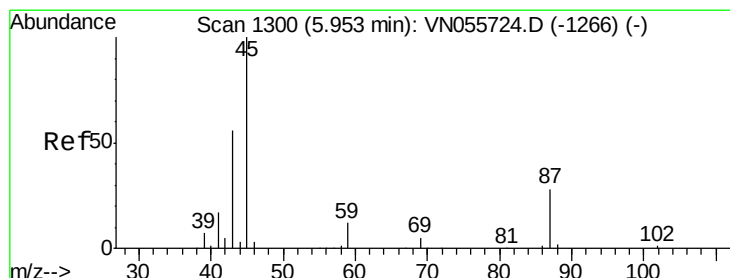
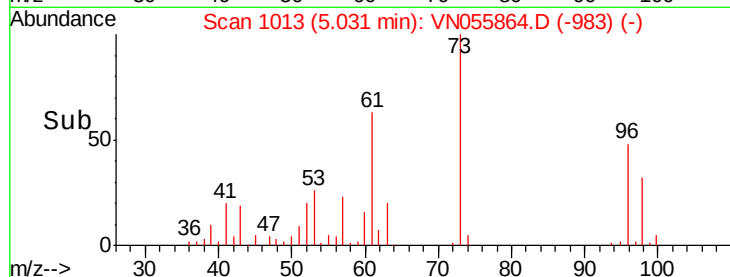
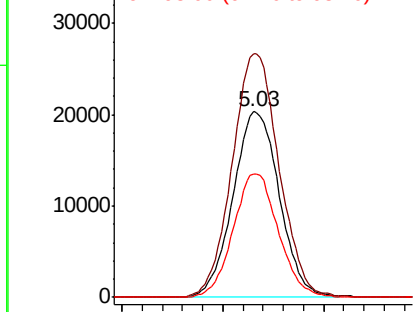
#19
trans-1,2-Dichloroethene
Concen: 19.338 ug/l
RT: 5.03 min Scan# 1013
Delta R.T. -0.00 min
Lab File: VN055864.D
Acq: 29 May 2019 9:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion: 96 Resp: 64922
Ion Ratio Lower Upper
96 100
61 130.4 108.5 162.7
98 66.6 49.4 74.2

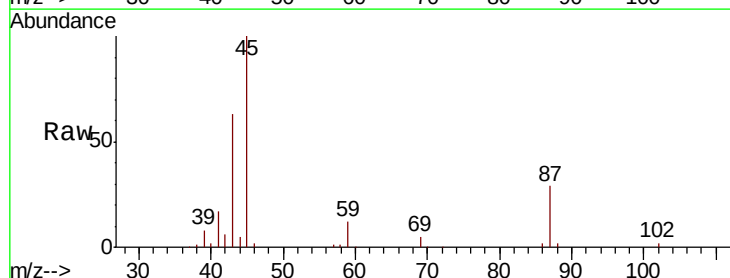


Abundance Ion 96.00 (95.70 to 96.70): VN0
Ion 61.00 (60.70 to 61.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

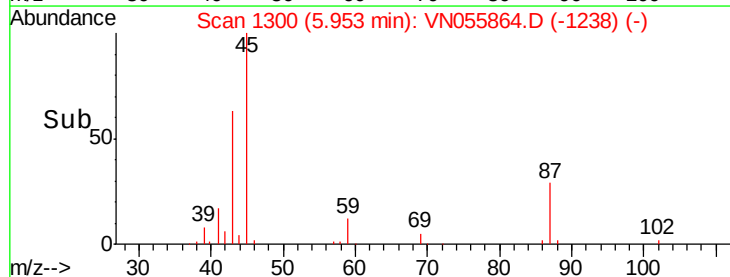
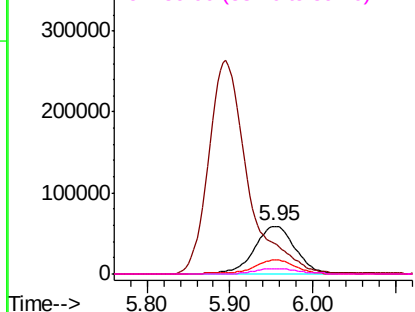


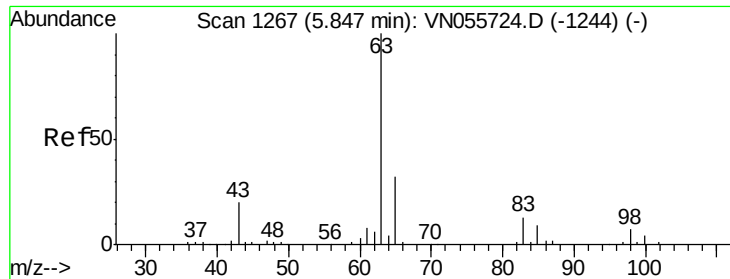
#20
Diisopropyl ether
Concen: 18.650 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. -0.00 min
Lab File: VN055864.D
Acq: 29 May 2019 9:24

Tgt Ion: 45 Resp: 203353
Ion Ratio Lower Upper
45 100
43 60.1 48.6 73.0
87 28.7 22.6 34.0
59 11.6 9.4 14.2



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

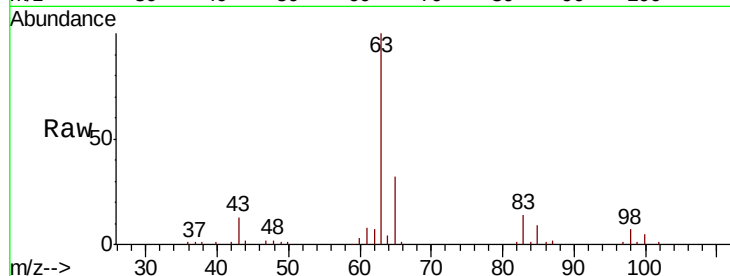




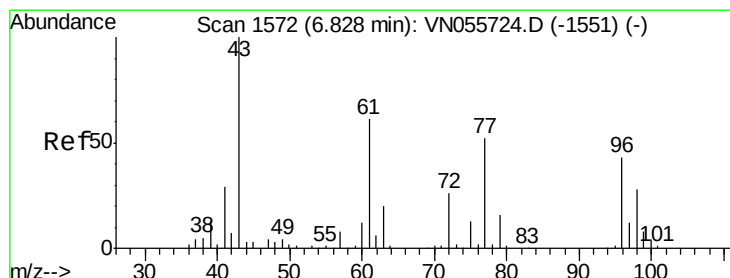
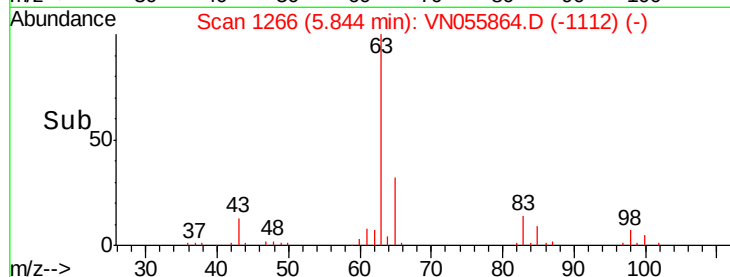
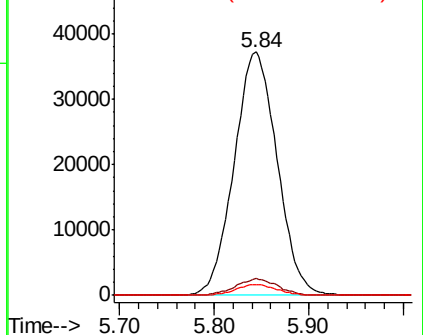
#21
 1,1-Dichloroethane
 Concen: 19.086 ug/l
 RT: 5.84 min Scan# 1266
 Delta R.T. -0.00 min
 Lab File: VN055864.D
 Acq: 29 May 2019 9:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion: 63 Resp: 117614
 Ion Ratio Lower Upper
 63 100
 98 6.7 3.4 10.2
 100 4.6 2.2 6.6

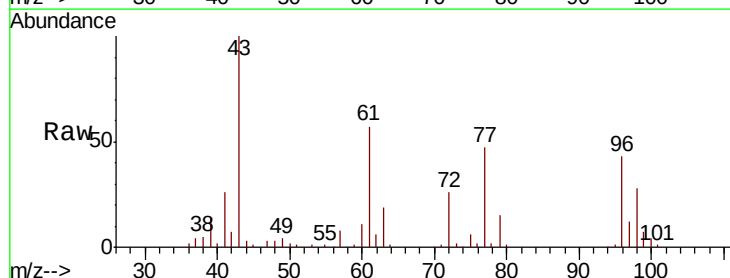


Abundance Ion 63.00 (62.70 to 63.70): VN0
 Ion 98.00 (97.70 to 98.70): VN0
 Ion 100.00 (99.70 to 100.70): VN0

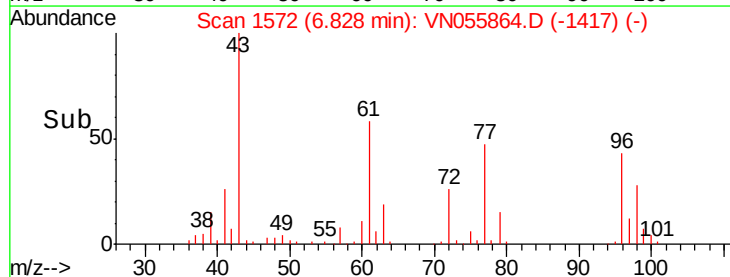
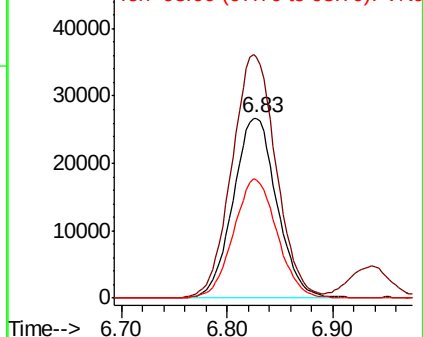


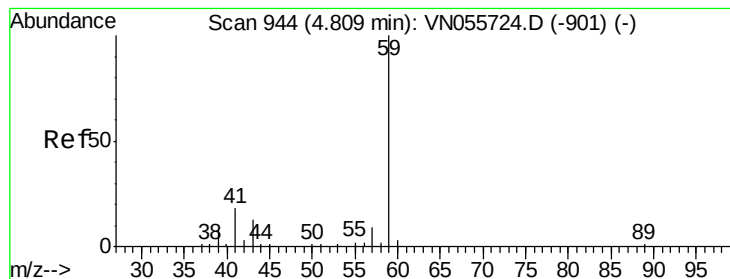
#22
 cis-1,2-Dichloroethene
 Concen: 19.646 ug/l
 RT: 6.83 min Scan# 1572
 Delta R.T. -0.00 min
 Lab File: VN055864.D
 Acq: 29 May 2019 9:24

Tgt Ion: 96 Resp: 76922
 Ion Ratio Lower Upper
 96 100
 61 136.9 115.7 173.5
 98 65.9 51.5 77.3



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



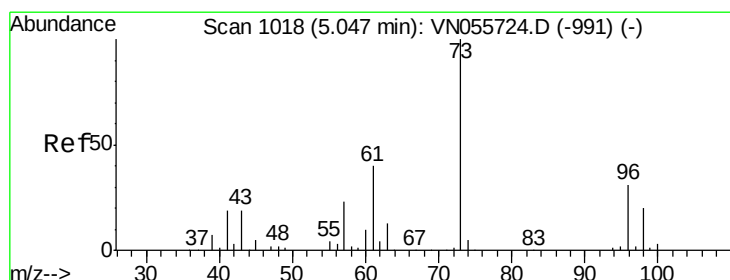
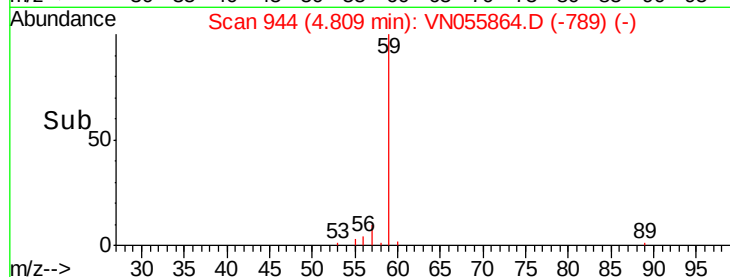
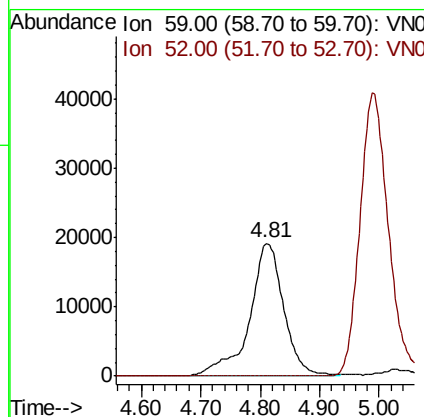
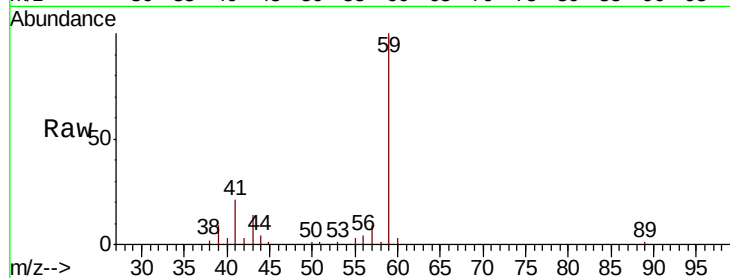


#23

tert-Butyl Alcohol
 Concen: 101.835 ug/l
 RT: 4.81 min Scan# 944
 Delta R.T. -0.00 min
 Lab File: VN055864.D
 Acq: 29 May 2019 9:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

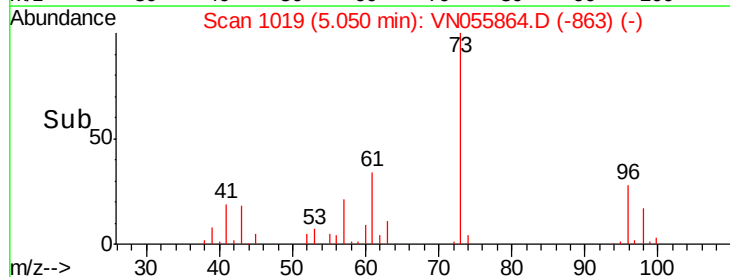
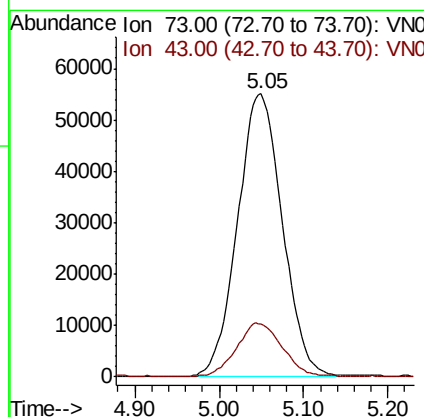
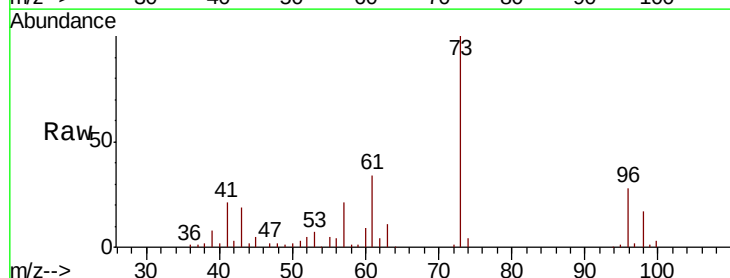
Tot Ion: 59 Resp: 77824
 Ion Ratio Lower Upper
 59 100
 52 0.0 0.0 0.0

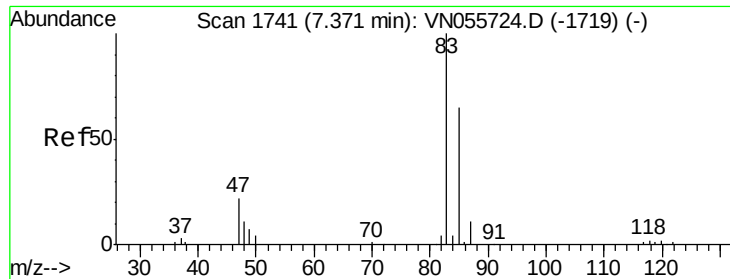


#24

Methyl tert-Butyl Ether
 Concen: 19.230 ug/l
 RT: 5.05 min Scan# 1019
 Delta R.T. 0.00 min
 Lab File: VN055864.D
 Acq: 29 May 2019 9:24

Tgt Ion: 73 Resp: 203624
 Ion Ratio Lower Upper
 73 100
 43 19.3 15.7 23.5

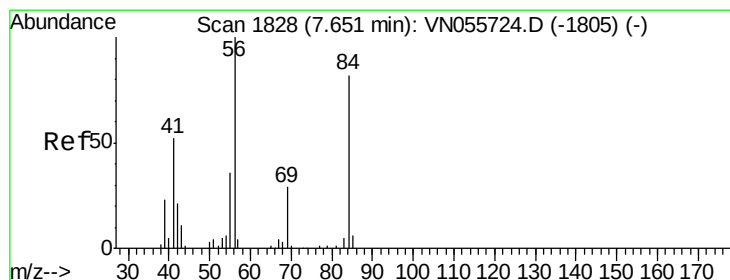
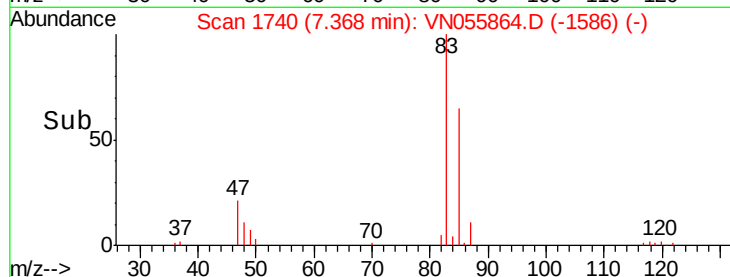
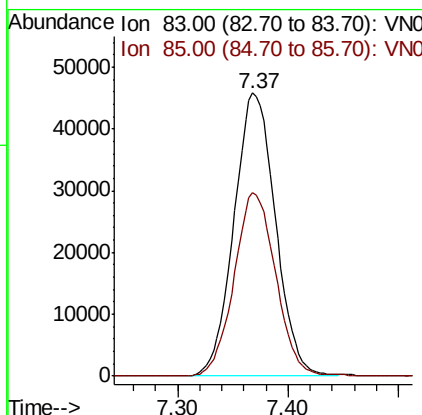
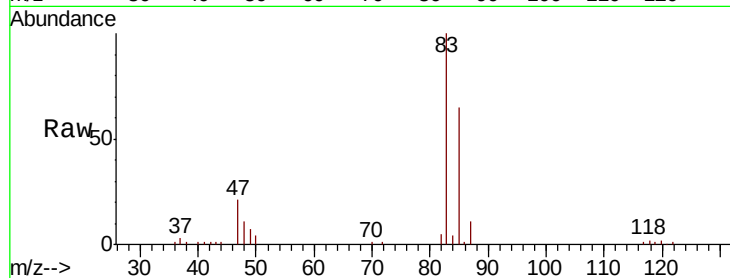




#25
Chloroform
Concen: 19.638 ug/l
RT: 7.37 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VN055864.D
Acq: 29 May 2019 9:24

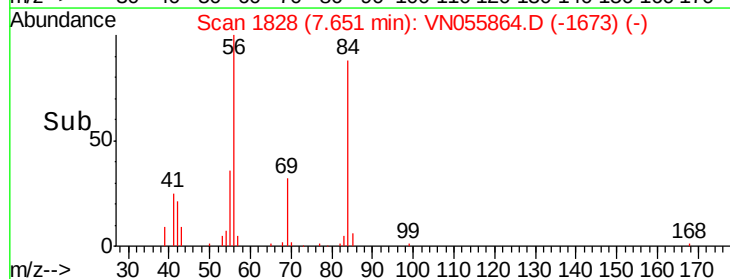
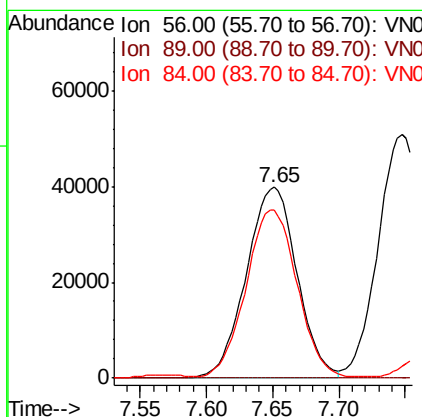
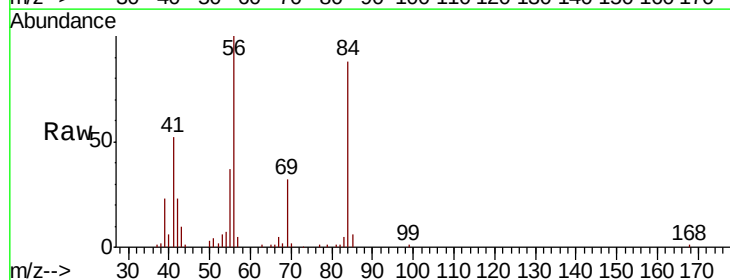
Instrument :
MSVOA_N
ClientSampled :
VSTDCCC020

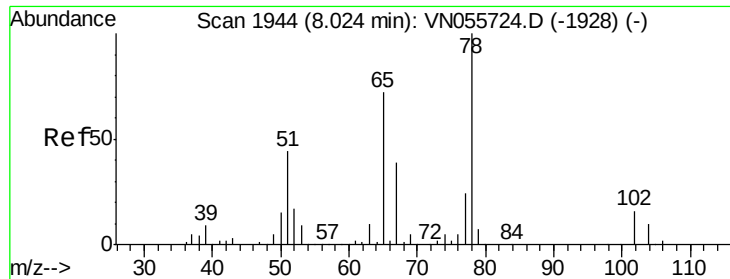
Tot Ion: 83 Resp: 119522
Ion Ratio Lower Upper
83 100
85 65.0 51.7 77.5



#26
Cyclohexane
Concen: 18.721 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. -0.00 min
Lab File: VN055864.D
Acq: 29 May 2019 9:24

Tgt Ion: 56 Resp: 106430
Ion Ratio Lower Upper
56 100
89 0.0 0.0 0.0
84 88.1 67.2 100.8

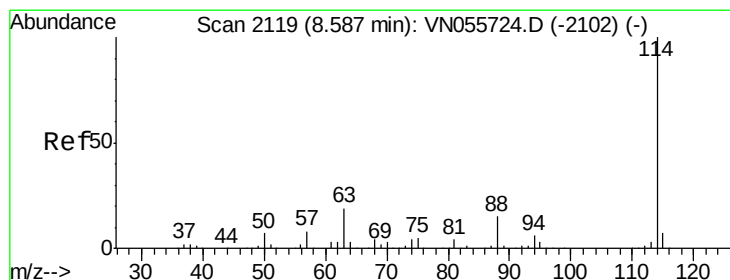
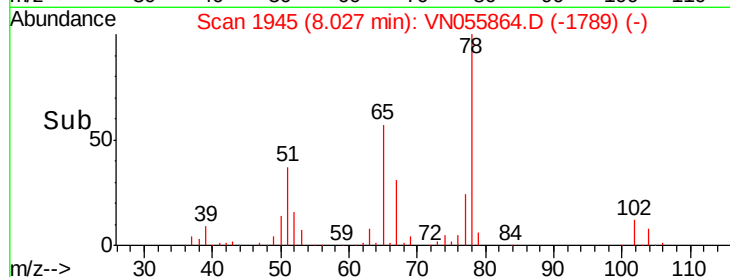
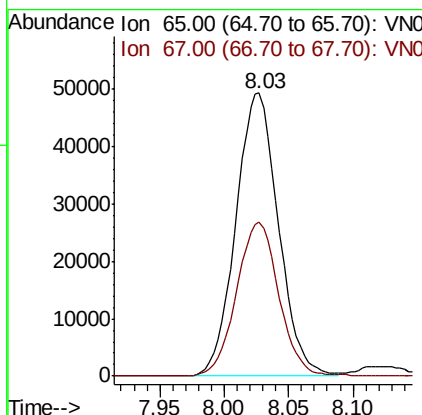
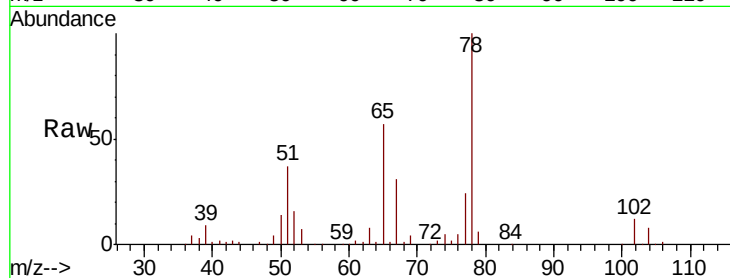




#27
 1,2-Dichloroethane-d4
 Concen: 29.350 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN055864.D
 Acq: 29 May 2019 9:24

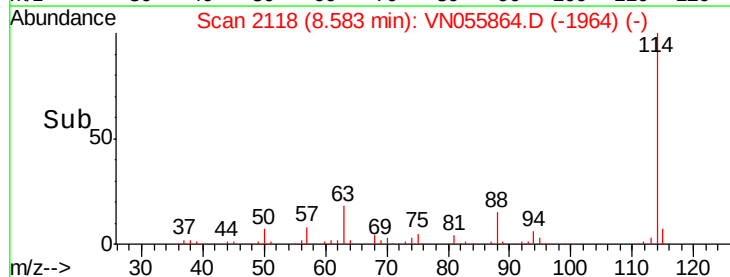
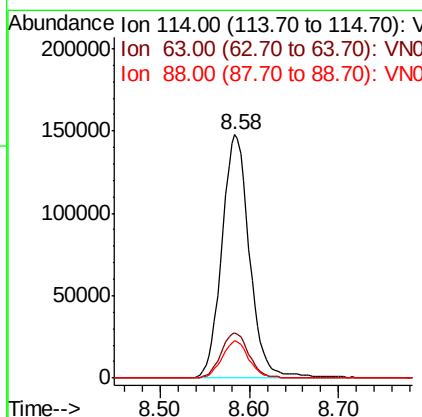
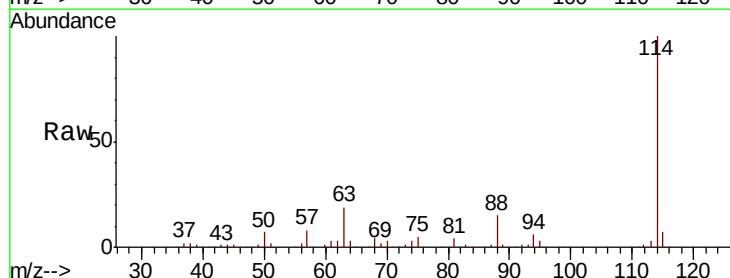
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

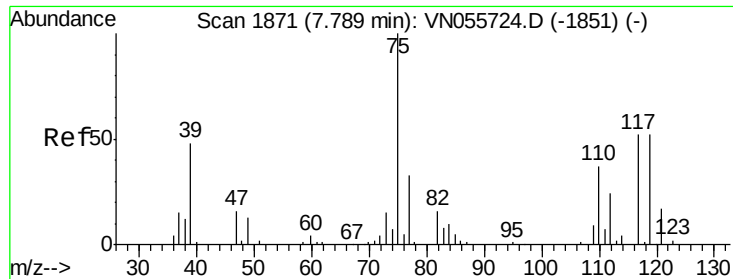
Tot Ion: 65 Resp: 113425
 Ion Ratio Lower Upper
 65 100
 67 54.0 43.5 65.3



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN055864.D
 Acq: 29 May 2019 9:24

Tgt Ion: 114 Resp: 317427
 Ion Ratio Lower Upper
 114 100
 63 18.9 15.6 23.4
 88 14.9 12.3 18.5

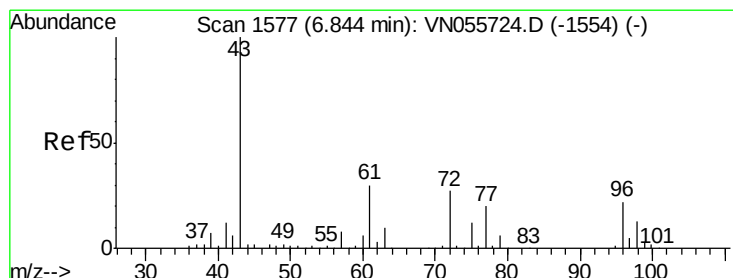
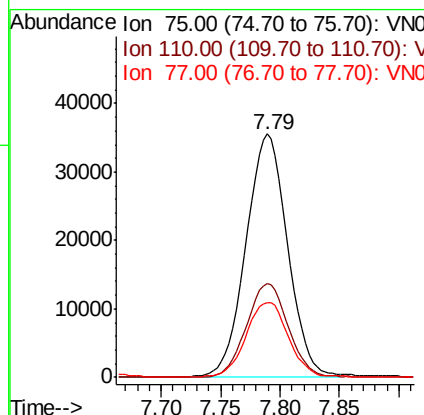
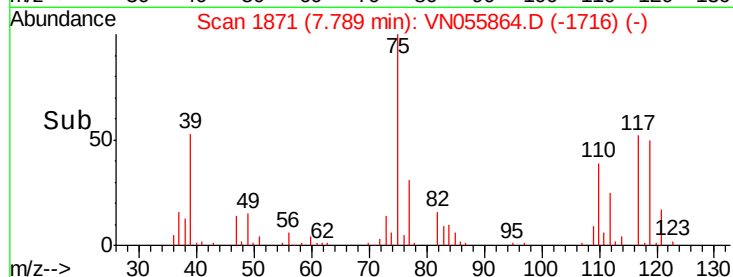
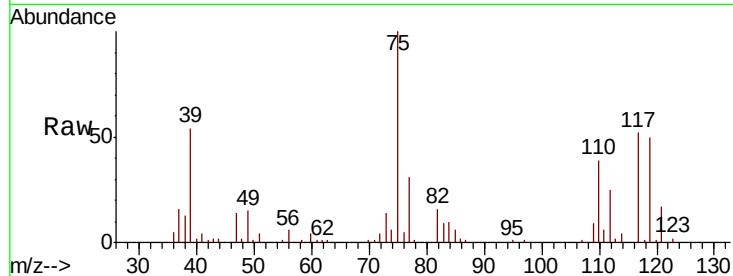




#29
 1,1-Dichloropropene
 Concen: 19.442 ug/l
 RT: 7.79 min Scan# 1871
 Delta R.T. -0.00 min
 Lab File: VN055864.D
 Acq: 29 May 2019 9:24

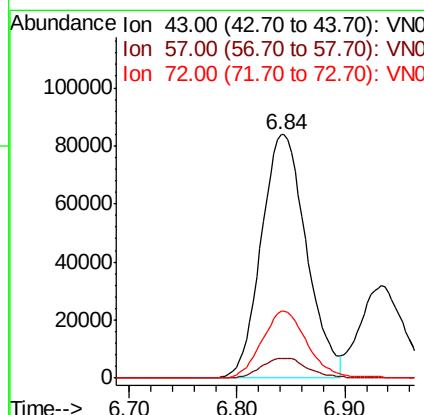
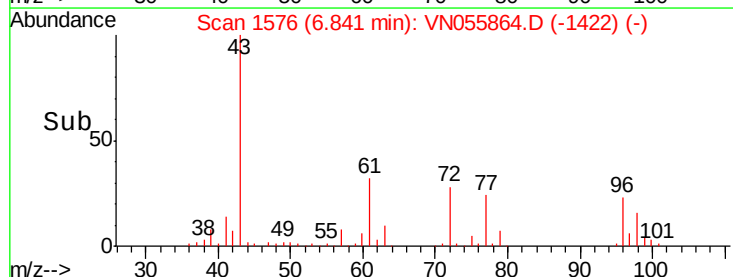
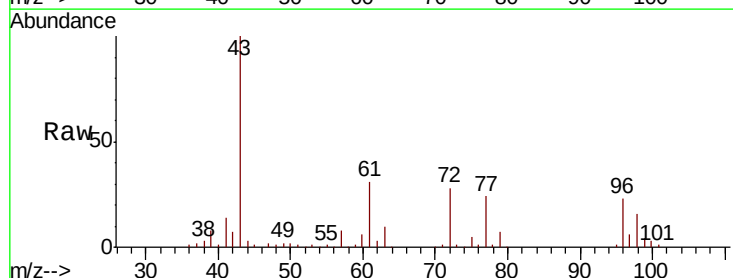
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

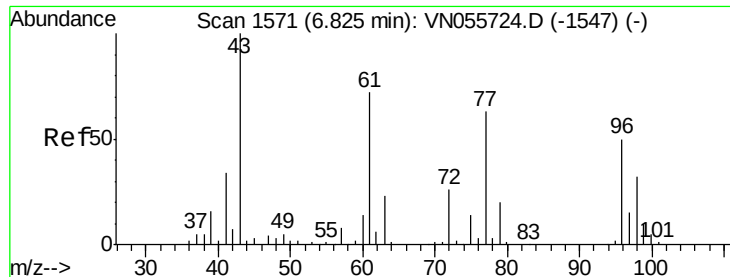
Tot Ion: 75 Resp: 86394
 Ion Ratio Lower Upper
 75 100
 110 38.6 0.0 74.8
 77 31.4 0.0 65.2



#30
 2-Butanone
 Concen: 102.332 ug/l
 RT: 6.84 min Scan# 1576
 Delta R.T. -0.00 min
 Lab File: VN055864.D
 Acq: 29 May 2019 9:24

Tgt Ion: 43 Resp: 242374
 Ion Ratio Lower Upper
 43 100
 57 8.4 6.6 10.0
 72 27.7 21.7 32.5

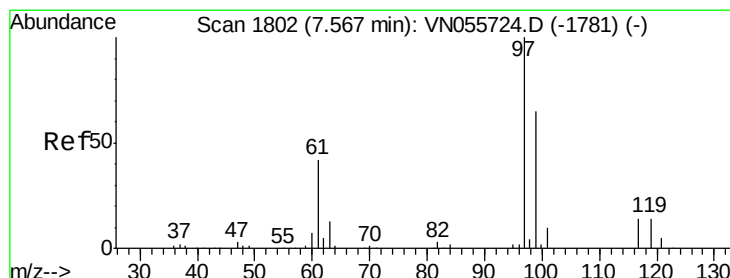
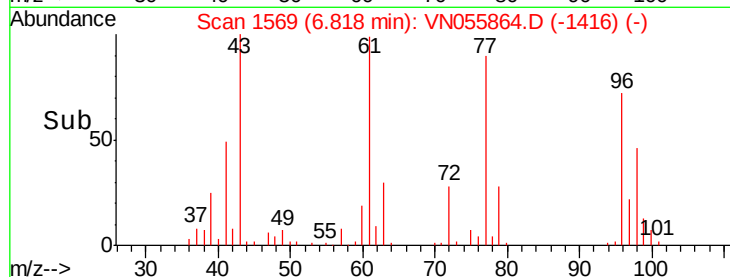
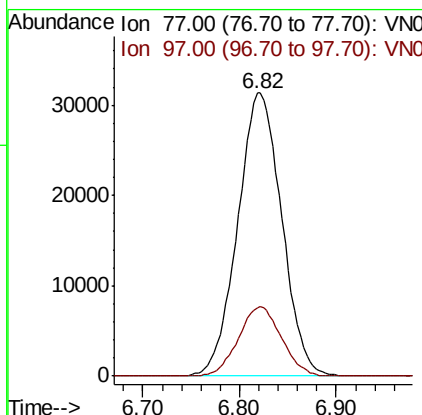
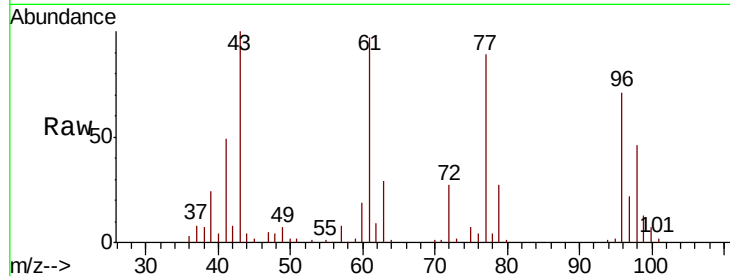




#31
 2,2-Dichloropropane
 Concen: 19.162 ug/l
 RT: 6.82 min Scan# 1569
 Delta R.T. -0.01 min
 Lab File: VN055864.D
 Acq: 29 May 2019 9:24

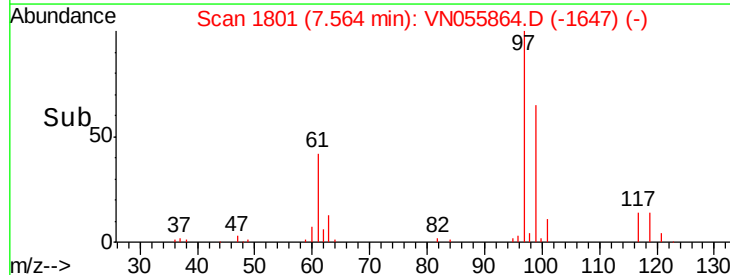
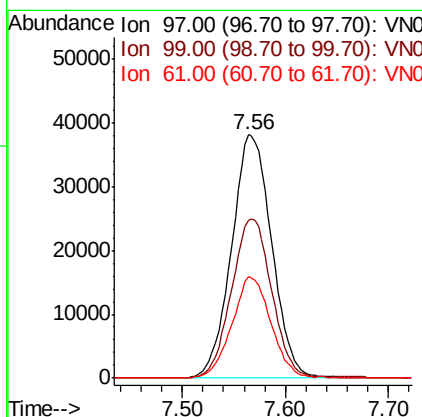
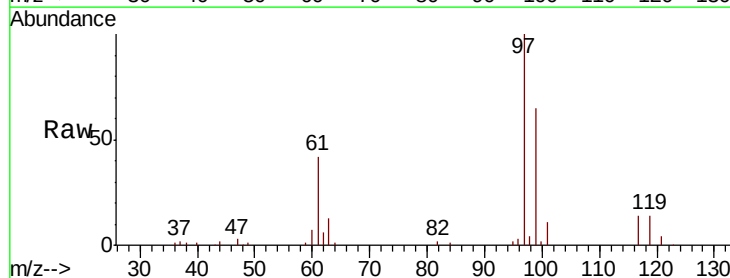
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

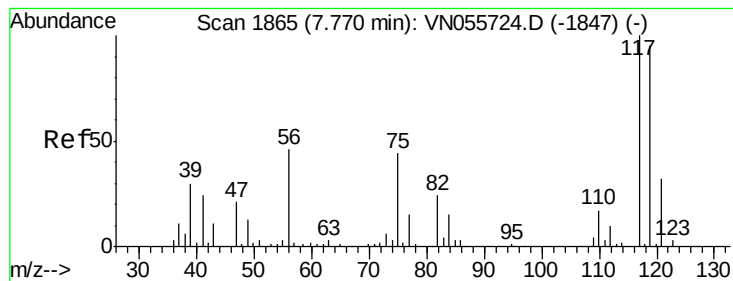
Tot Ion: 77 Resp: 99089
 Ion Ratio Lower Upper
 77 100
 97 23.9 19.2 28.8



#32
 1,1,1-Trichloroethane
 Concen: 19.625 ug/l
 RT: 7.56 min Scan# 1801
 Delta R.T. -0.00 min
 Lab File: VN055864.D
 Acq: 29 May 2019 9:24

Tgt Ion: 97 Resp: 103363
 Ion Ratio Lower Upper
 97 100
 99 65.4 51.7 77.5
 61 40.5 33.1 49.7





#33

Carbon Tetrachloride

Concen: 19.070 ug/l

RT: 7.77 min Scan# 1864

Delta R.T. -0.00 min

Lab File: VN055864.D

Acq: 29 May 2019 9:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

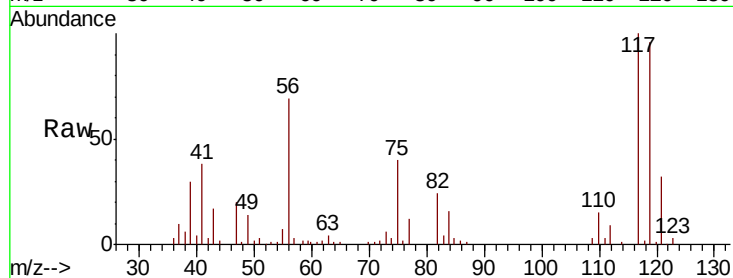
Tot Ion:117 Resp: 89850

Ion Ratio Lower Upper

117 100

119 95.8 75.8 113.8

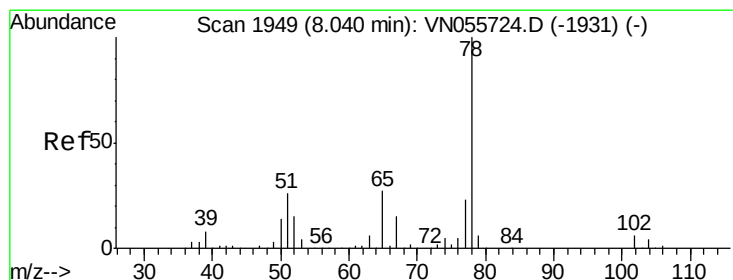
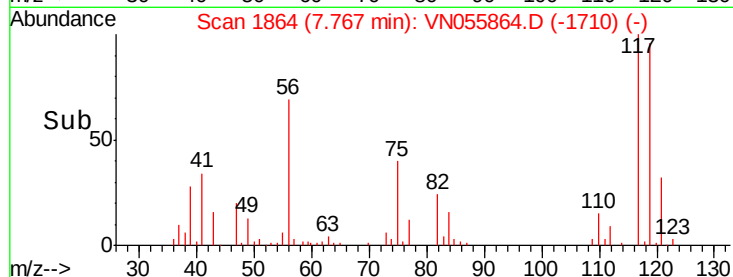
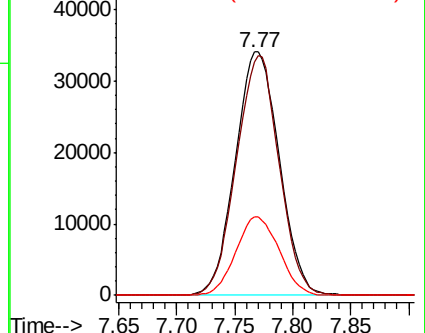
121 32.8 25.4 38.0



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#34

Benzene

Concen: 20.205 ug/l

RT: 8.04 min Scan# 1949

Delta R.T. -0.00 min

Lab File: VN055864.D

Acq: 29 May 2019 9:24

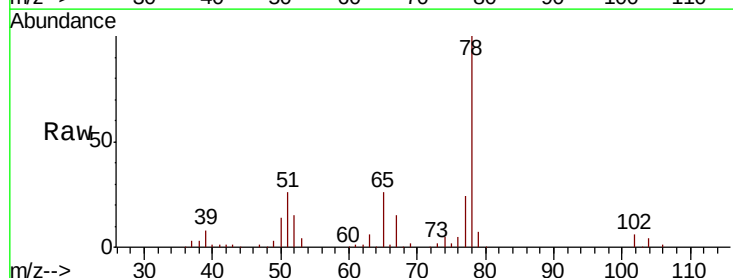
Tgt Ion: 78 Resp: 277194

Ion Ratio Lower Upper

78 100

77 23.6 18.8 28.2

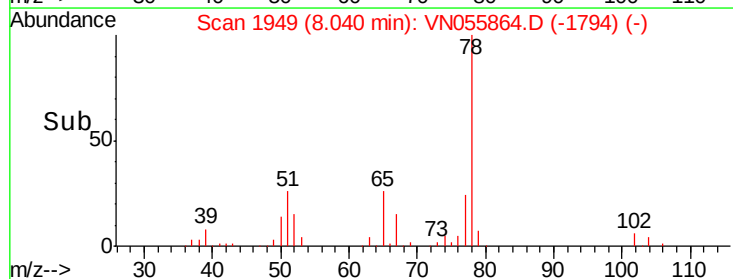
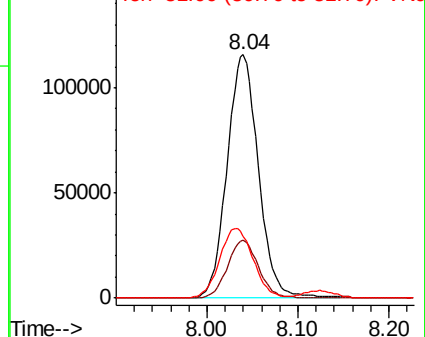
51 25.5 20.6 31.0

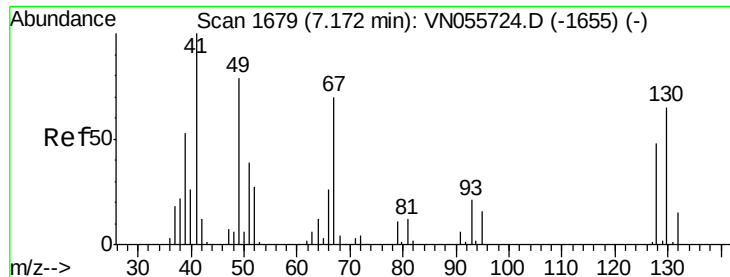


Abundance Ion 78.10 (77.80 to 78.80): V

Ion 77.00 (76.70 to 77.70): V

Ion 51.00 (50.70 to 51.70): V

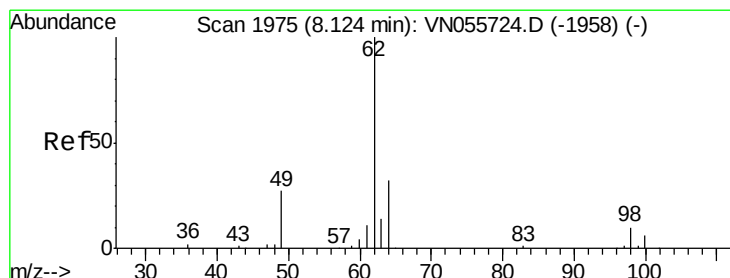
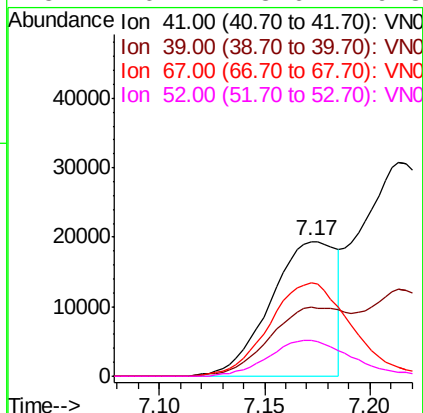
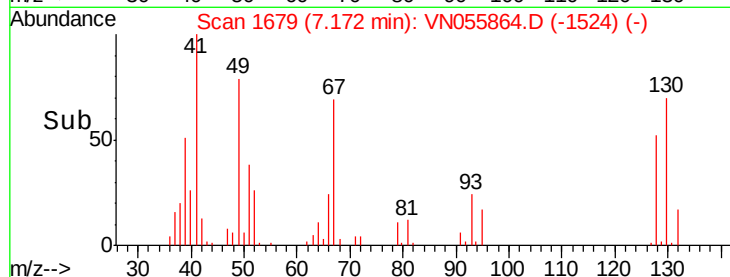
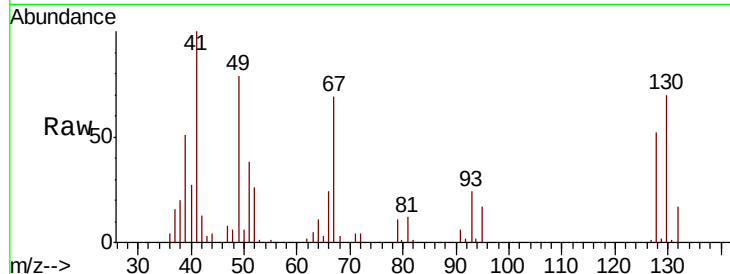




#35
Methacrylonitrile
Concen: 19.302 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. -0.00 min
Lab File: VN055864.D
Acq: 29 May 2019 9:24

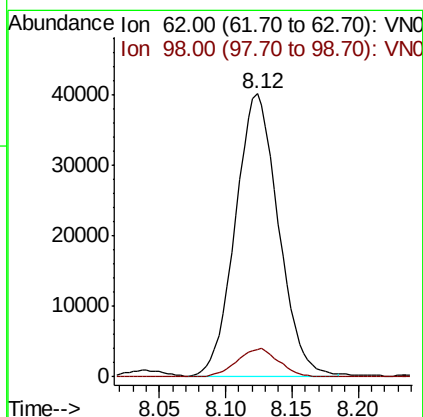
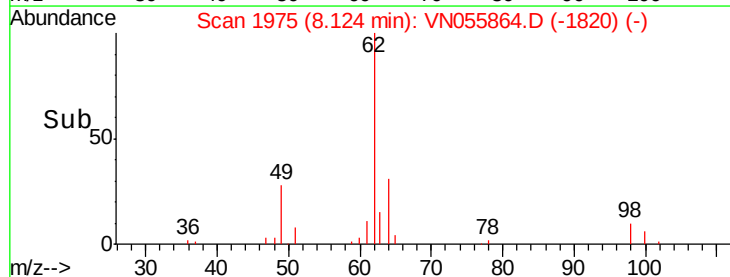
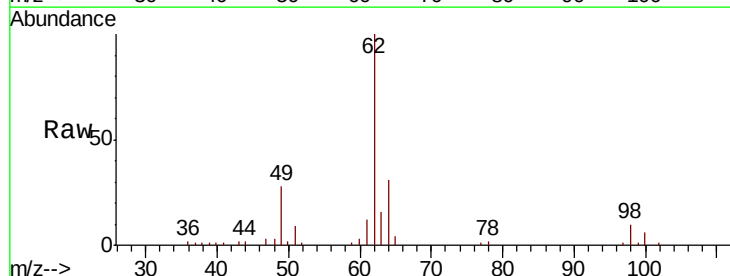
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

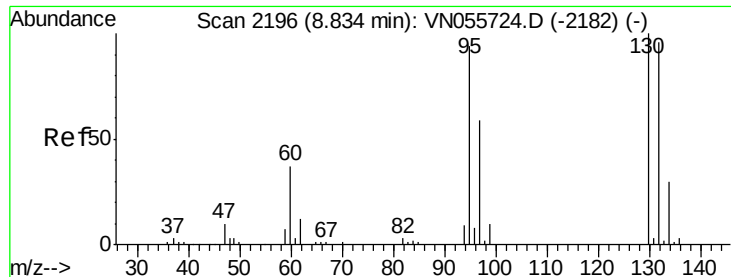
Tot Ion:	41	Resp:	42197
Ion	Ratio	Lower	Upper
41	100		
39	51.3	26.7	80.1
67	69.2	34.9	104.7
52	26.4	13.6	40.8



#36
1,2-Dichloroethane
Concen: 20.320 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN055864.D
Acq: 29 May 2019 9:24

Tgt Ion:	62	Resp:	91101
Ion	Ratio	Lower	Upper
62	100		
98	9.7	8.2	12.2





#37

Trichloroethene

Concen: 20.355 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. -0.00 min

Lab File: VN055864.D

Acq: 29 May 2019 9:24

Instrument :

MSVOA_N

ClientSampleId :

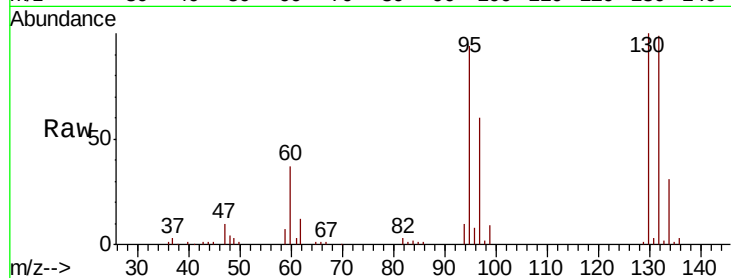
VSTDCCC020

Tot Ion:130 Resp: 77914

Ion Ratio Lower Upper

130 100

95 94.0 75.6 113.4



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VN

8.83

40000

30000

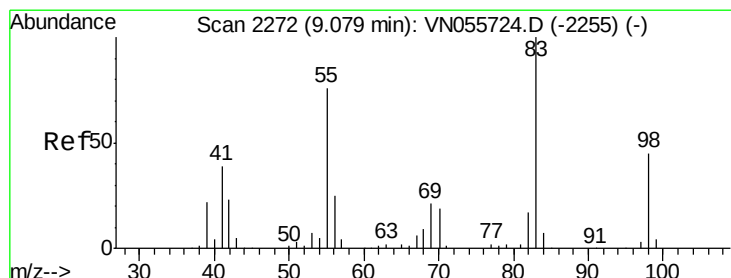
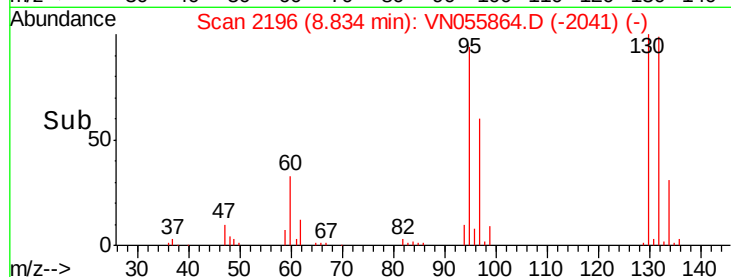
20000

10000

0

8.75 8.80 8.85 8.90

Time-->



#38

Methylcyclohexane

Concen: 19.539 ug/l

RT: 9.08 min Scan# 2272

Delta R.T. -0.00 min

Lab File: VN055864.D

Acq: 29 May 2019 9:24

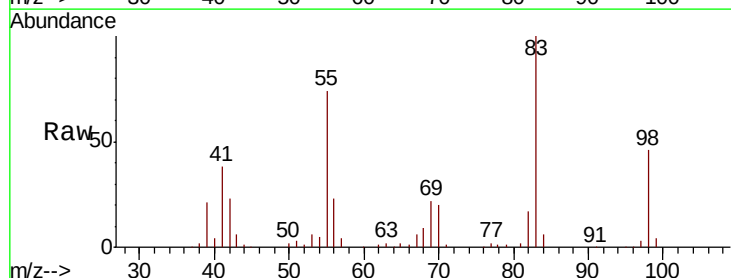
Tgt Ion: 83 Resp: 110007

Ion Ratio Lower Upper

83 100

55 73.4 37.8 113.4

98 45.9 22.6 67.8



Abundance Ion 83.00 (82.70 to 83.70): VN

Ion 55.00 (54.70 to 55.70): VN

Ion 98.00 (97.70 to 98.70): VN

9.08

60000

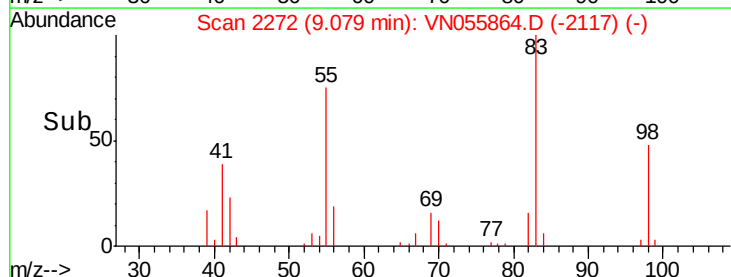
40000

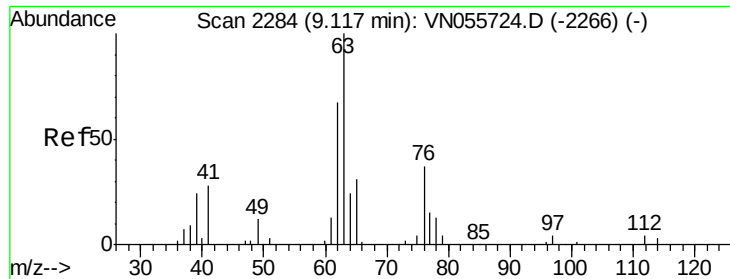
20000

0

9.00 9.05 9.10 9.15

Time-->





#39

1,2-Dichloropropane

Concen: 19.693 ug/l

RT: 9.12 min Scan# 2284

Delta R.T. -0.00 min

Lab File: VN055864.D

Acq: 29 May 2019 9:24

Instrument :

MSVOA_N

ClientSampleId :

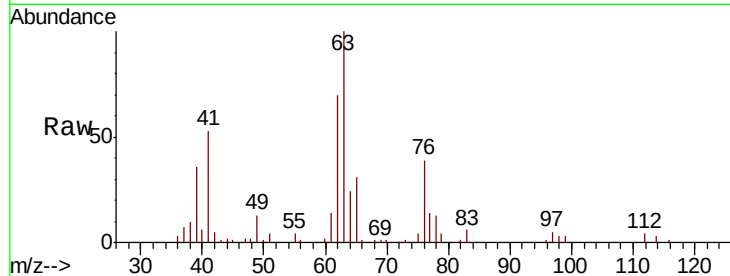
VSTDCCC020

Tot Ion: 63 Resp: 72630

Ion Ratio Lower Upper

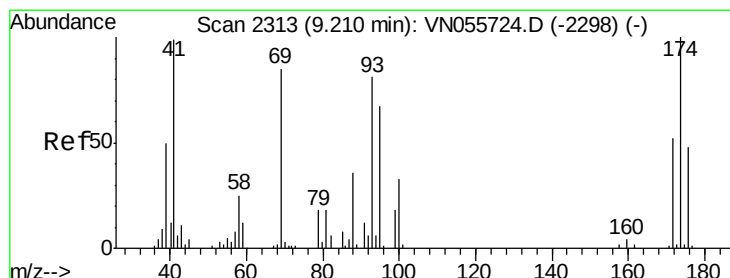
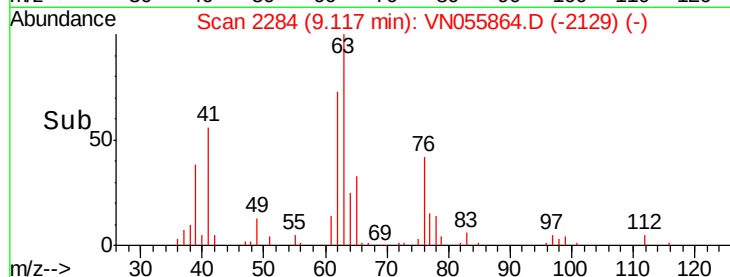
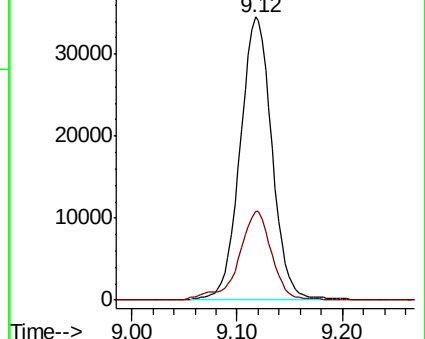
63 100

65 31.4 25.8 38.8



Abundance Ion 63.00 (62.70 to 63.70): VN055864.D (-2129) (-)

Ion 65.00 (64.70 to 65.70): VN055864.D (-2129) (-)



#40

Dibromomethane

Concen: 19.937 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. -0.00 min

Lab File: VN055864.D

Acq: 29 May 2019 9:24

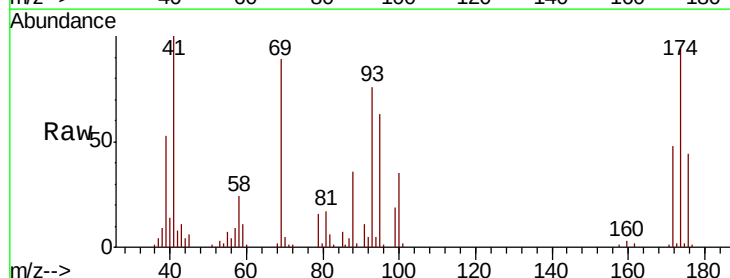
Tgt Ion: 93 Resp: 47481

Ion Ratio Lower Upper

93 100

95 84.2 0.0 170.6

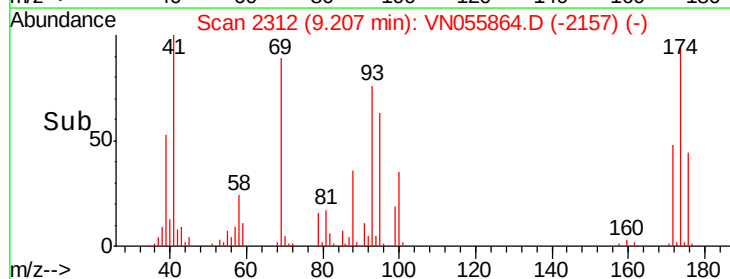
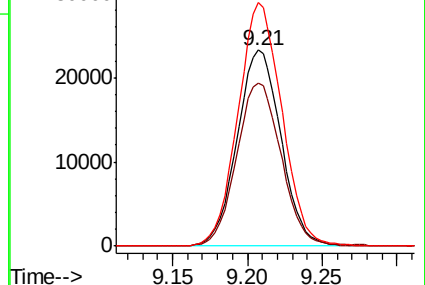
174 124.3 0.0 248.4

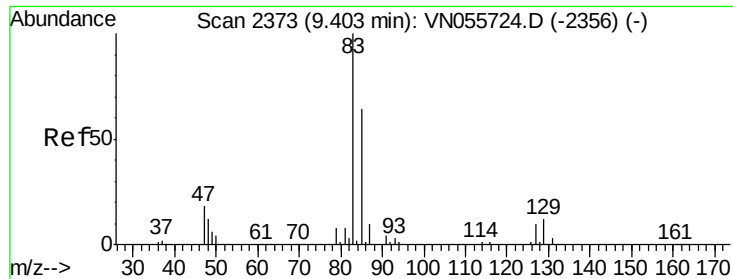


Abundance Ion 93.00 (92.70 to 93.70): VN055864.D (-2157) (-)

Ion 95.00 (94.70 to 95.70): VN055864.D (-2157) (-)

Ion 174.00 (173.70 to 174.70): VN055864.D (-2157) (-)

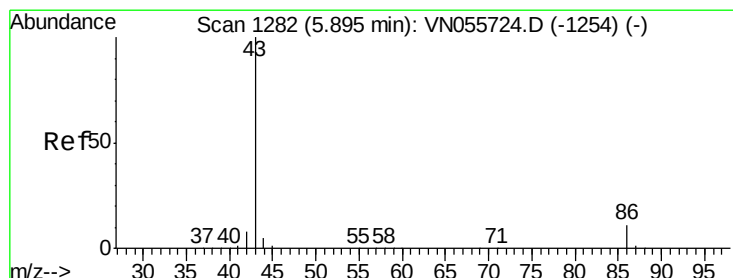
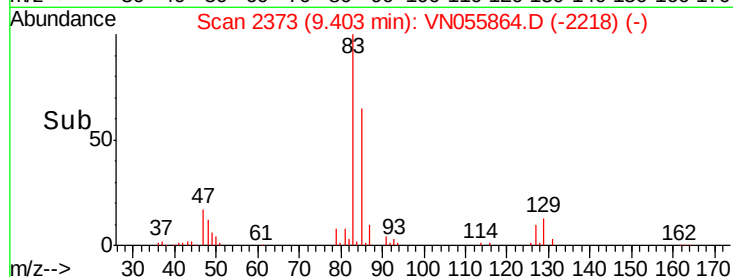
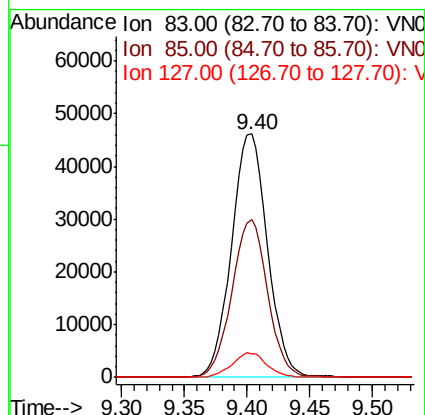
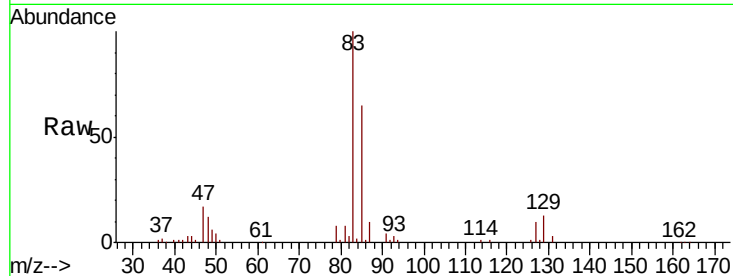




#41
 Bromodichloromethane
 Concen: 18.895 ug/l
 RT: 9.40 min Scan# 2373
 Delta R.T. -0.00 min
 Lab File: VN055864.D
 Acq: 29 May 2019 9:24

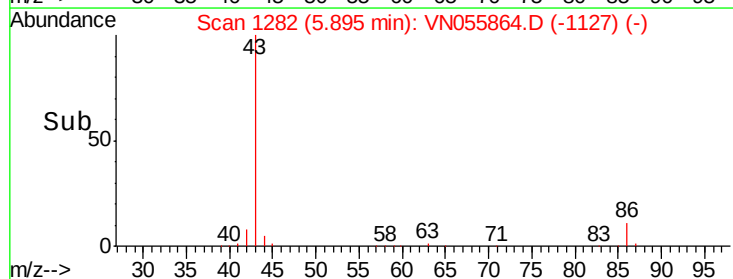
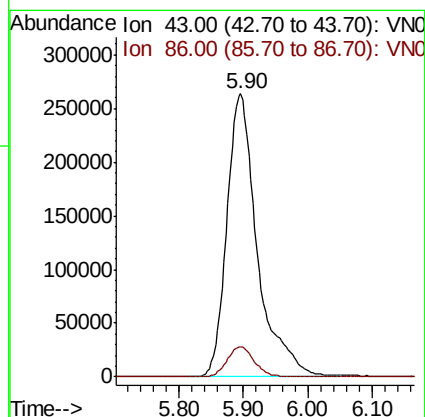
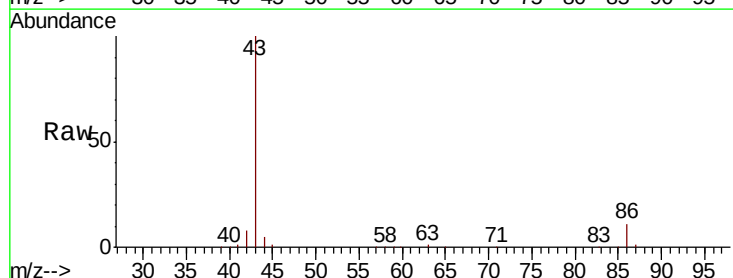
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

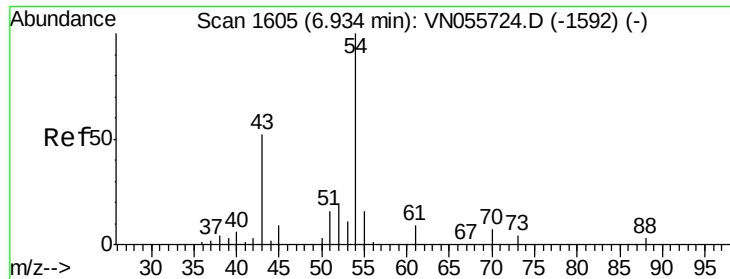
Tot Ion	83	Resp	92225
Ion Ratio	Lower	Upper	
83	100		
85	64.6	51.4	77.0
127	9.9	7.7	11.5



#42
 Vinyl Acetate
 Concen: 94.531 ug/l
 RT: 5.90 min Scan# 1282
 Delta R.T. -0.00 min
 Lab File: VN055864.D
 Acq: 29 May 2019 9:24

Tgt Ion	43	Resp	869290
Ion Ratio	Lower	Upper	
43	100		
86	9.5	7.4	11.2





#43

Ethyl Acetate

Concen: 18.620 ug/l

RT: 6.93 min Scan# 1605

Delta R.T. -0.00 min

Lab File: VN055864.D

Acq: 29 May 2019 9:24

Instrument :

MSVOA_N

ClientSampled :

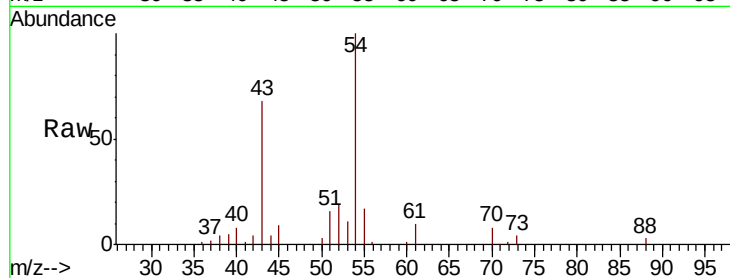
VSTDCCC020

Tot Ion: 43 Resp: 86685

Ion Ratio Lower Upper

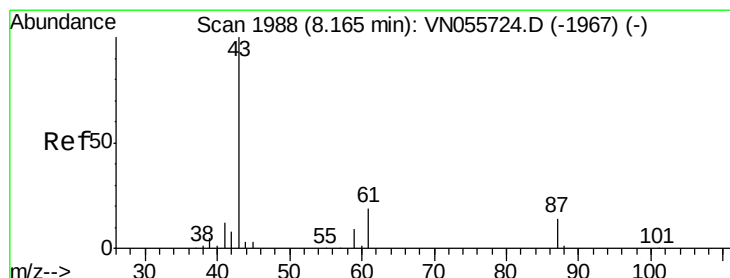
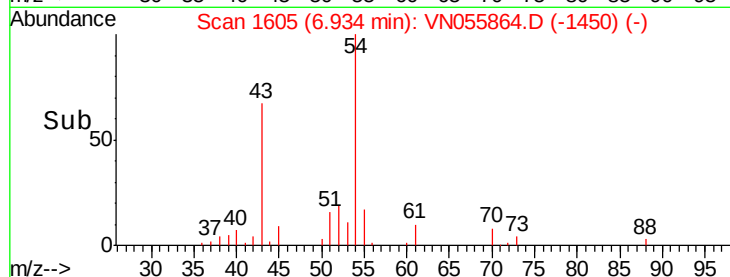
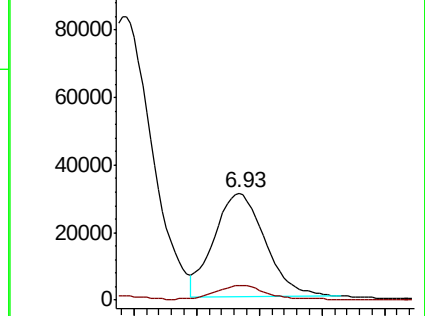
43 100

45 12.4 0.0 0.0#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 45.00 (44.70 to 45.70): VN0



#44

Isopropyl Acetate

Concen: 18.809 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. -0.00 min

Lab File: VN055864.D

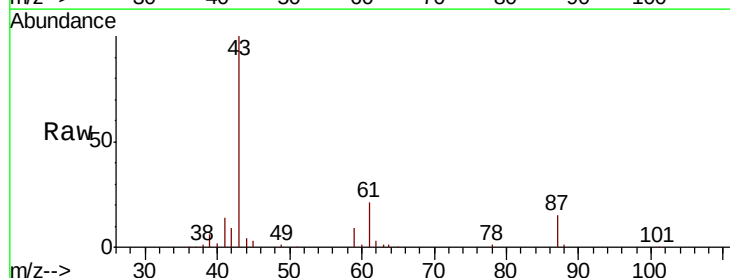
Acq: 29 May 2019 9:24

Tgt Ion: 43 Resp: 145004

Ion Ratio Lower Upper

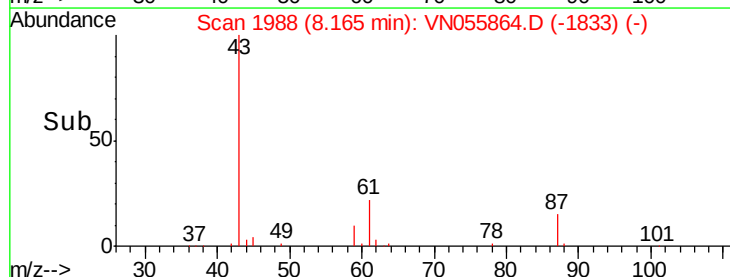
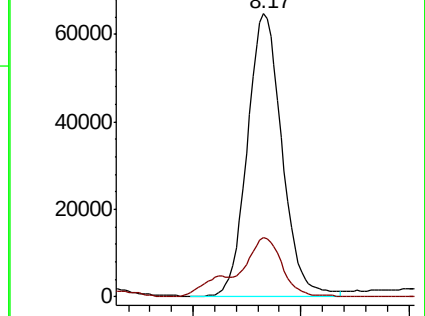
43 100

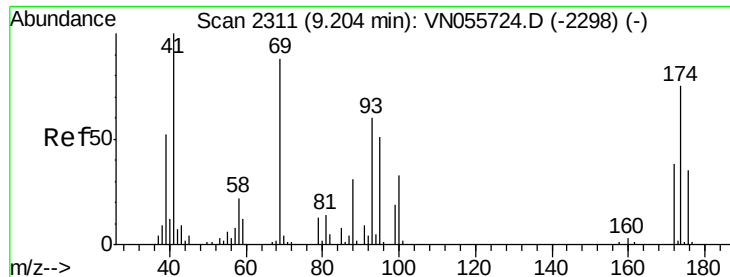
61 19.7 22.1 33.1#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0





#45

1,4-Dioxane

Concen: 365.133 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. 0.00 min

Lab File: VN055864.D

Acq: 29 May 2019 9:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

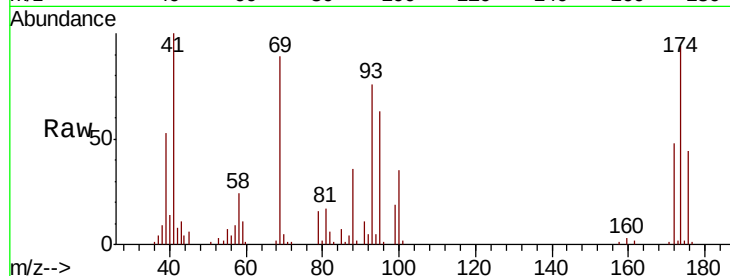
Tot Ion: 88 Resp: 26482

Ion Ratio Lower Upper

88 100

43 26.2 20.5 30.7

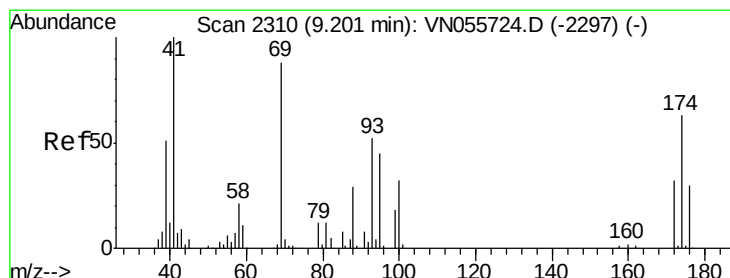
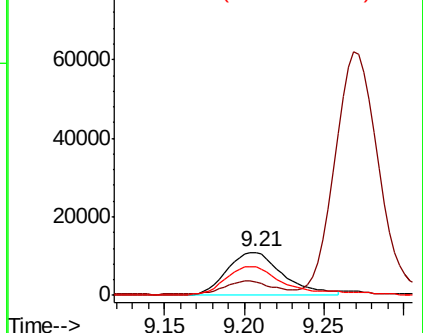
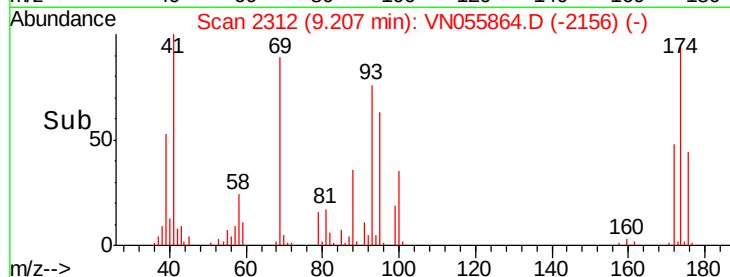
58 65.9 56.1 84.1



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



#46

Methyl methacrylate

Concen: 18.454 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. -0.00 min

Lab File: VN055864.D

Acq: 29 May 2019 9:24

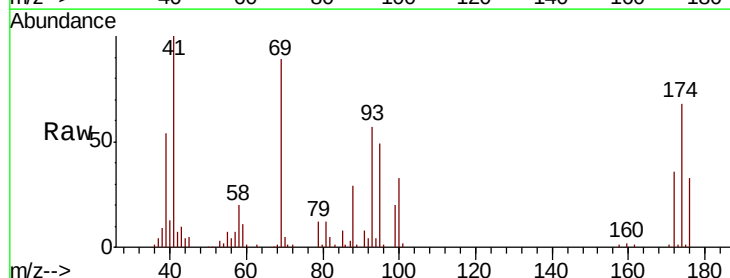
Tgt Ion: 41 Resp: 66375

Ion Ratio Lower Upper

41 100

69 91.3 43.8 131.4

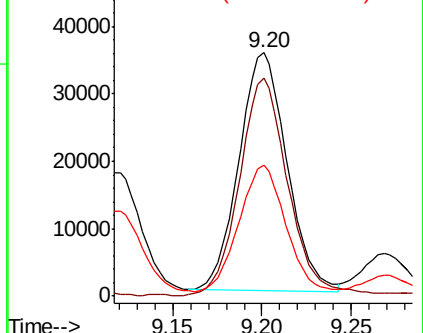
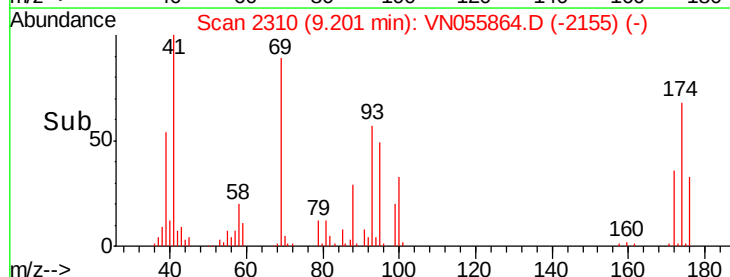
39 52.8 25.6 76.6

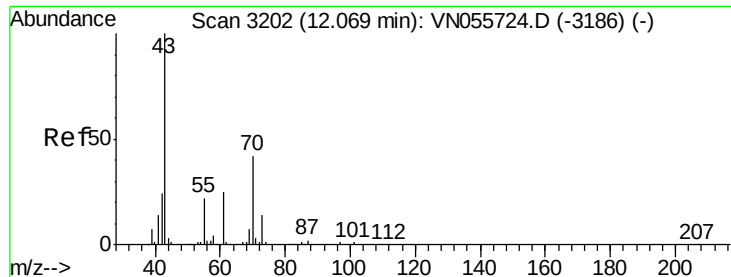


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

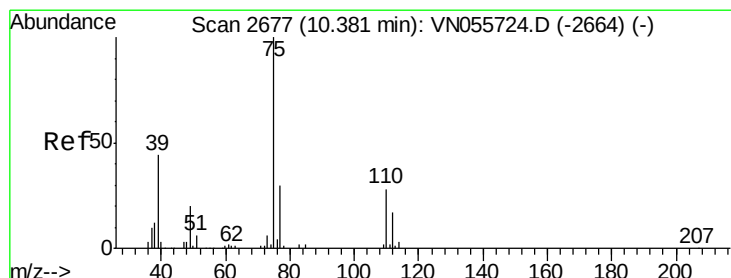
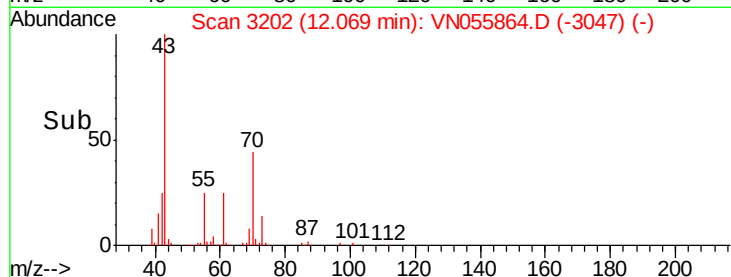
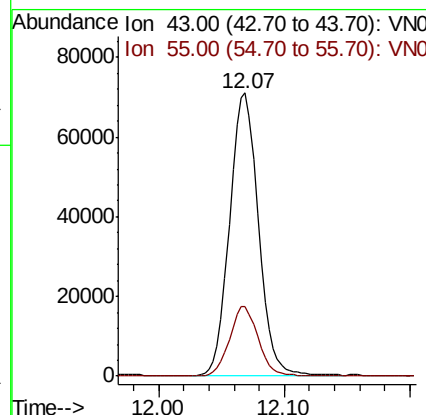
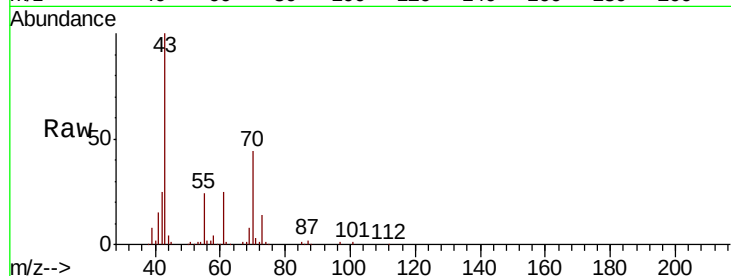




#47
n-amvl Acetate
Concen: 17.667 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. -0.00 min
Lab File: VN055864.D
Acq: 29 May 2019 9:24

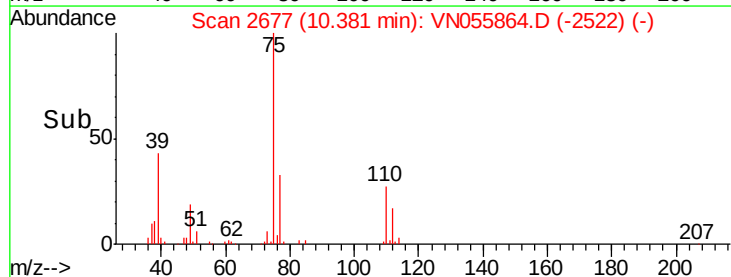
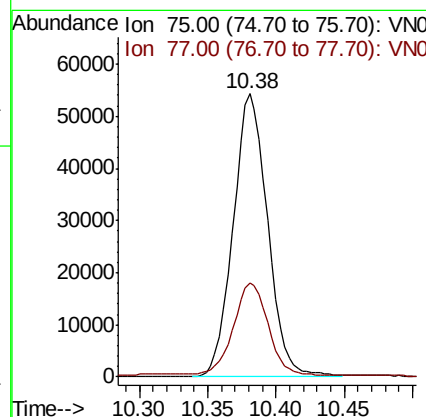
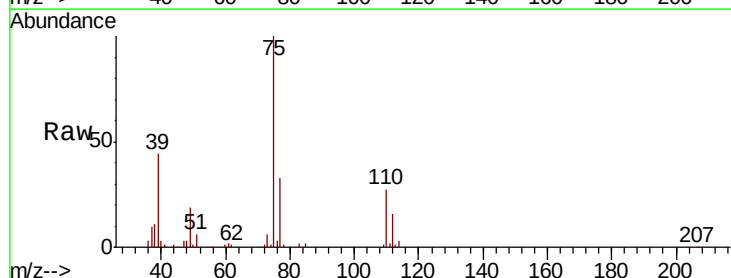
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

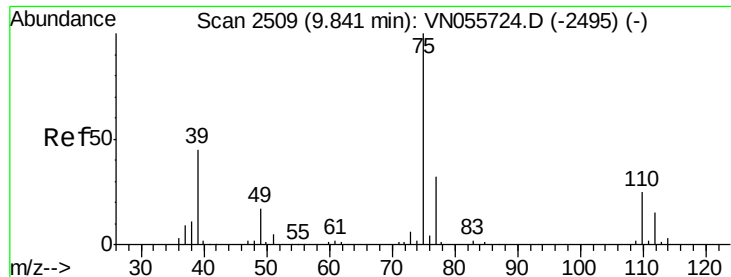
Tot Ion: 43 Resp: 112653
Ion Ratio Lower Upper
43 100
55 24.5 17.8 26.6



#48
t-1,3-Dichloropropene
Concen: 17.740 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. -0.00 min
Lab File: VN055864.D
Acq: 29 May 2019 9:24

Tgt Ion: 75 Resp: 95582
Ion Ratio Lower Upper
75 100
77 32.5 25.2 37.8



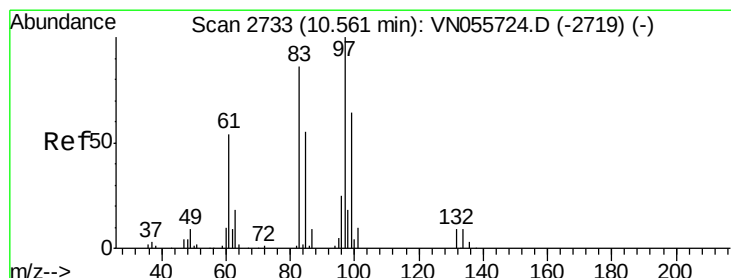
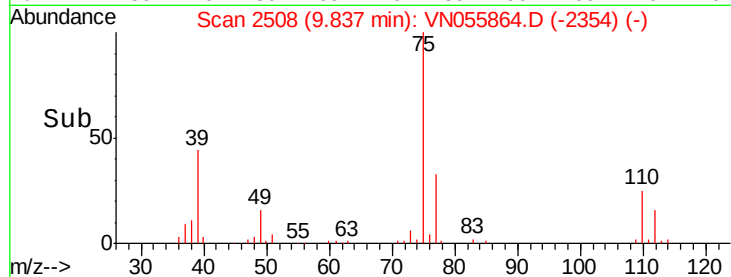
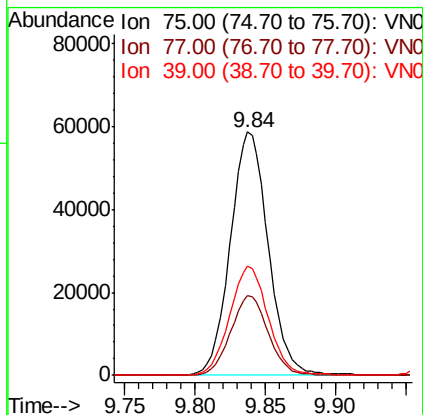
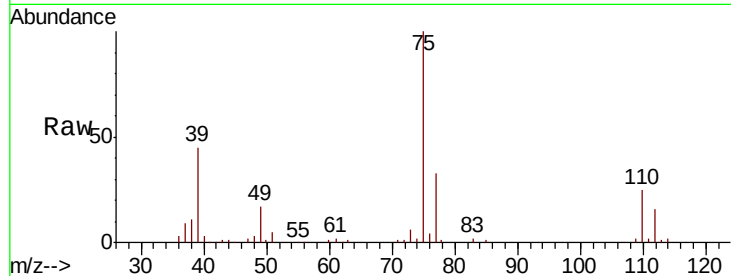


#49

cis-1,3-Dichloropropene
 Concen: 18.708 ug/l
 RT: 9.84 min Scan# 2508
 Delta R.T. -0.00 min
 Lab File: VN055864.D
 Acq: 29 May 2019 9:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

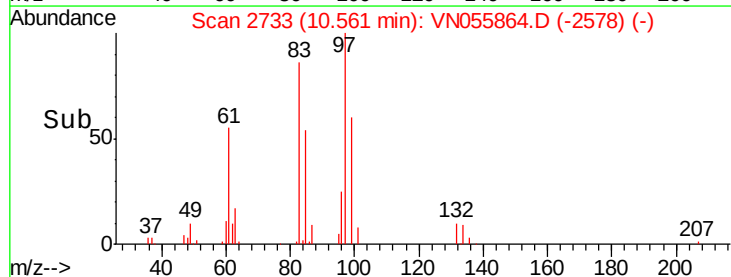
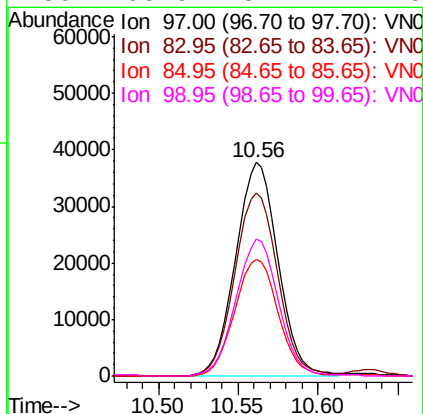
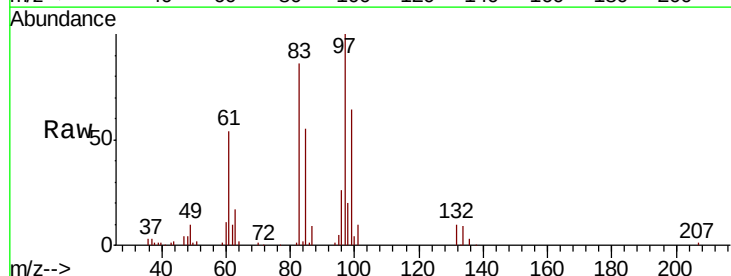
Tot Ion	75	Resp	110329
Ion	Ratio	Lower	Upper
75	100		
77	32.7	26.0	39.0
39	44.7	36.2	54.4

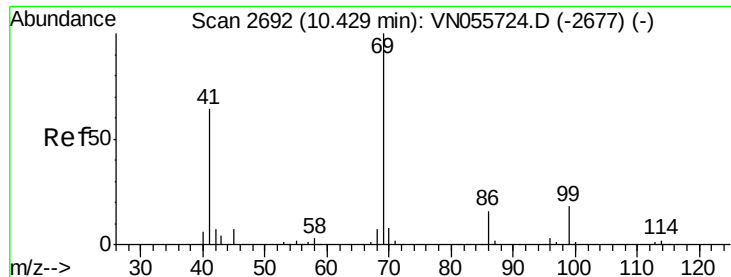


#50

1,1,2-Trichloroethane
 Concen: 19.765 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN055864.D
 Acq: 29 May 2019 9:24

Tgt Ion	97	Resp	68527
Ion	Ratio	Lower	Upper
97	100		
83	85.8	68.9	103.3
85	54.7	44.3	66.5
99	63.9	51.4	77.0





#51

Ethyl methacrylate

Concen: 18.762 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. -0.00 min

Lab File: VN055864.D

Acq: 29 May 2019 9:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

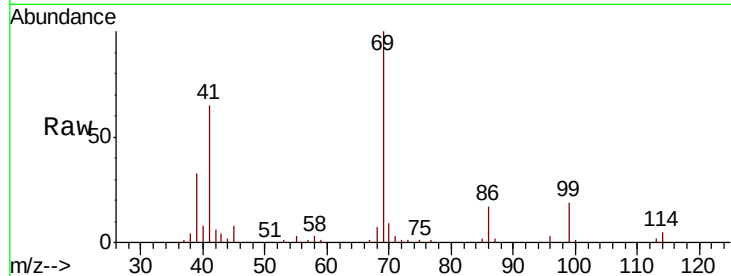
Tot Ion: 69 Resp: 104847

Ion Ratio Lower Upper

69 100

41 64.1 31.9 95.7

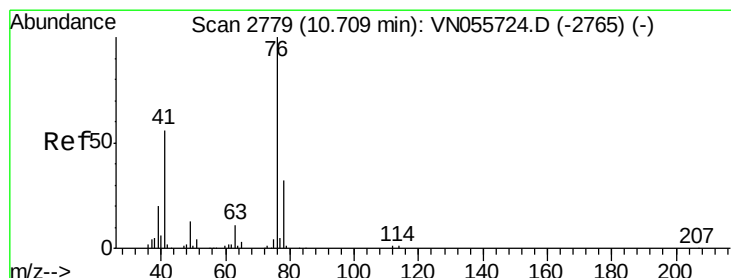
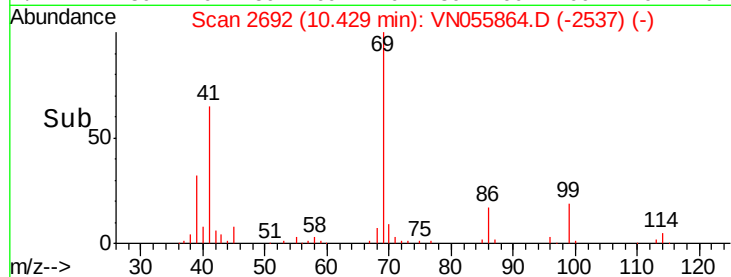
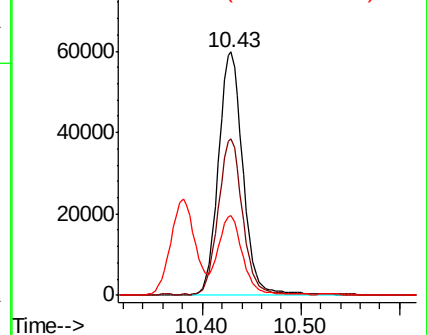
39 32.1 15.7 47.0



Abundance Ion 69.00 (68.70 to 69.70): VN055864.D (-2624) (-)

Ion 41.00 (40.70 to 41.70): VN055864.D (-2624) (-)

Ion 39.00 (38.70 to 39.70): VN055864.D (-2624) (-)



#52

1,3-Dichloropropane

Concen: 19.861 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. -0.00 min

Lab File: VN055864.D

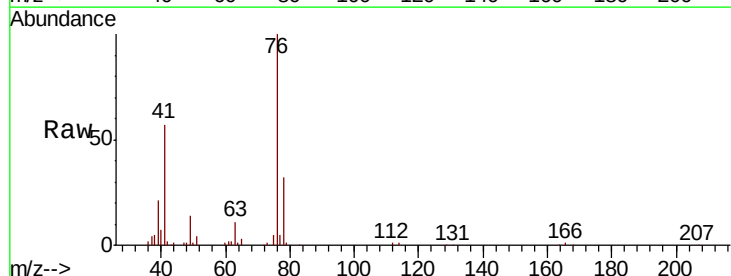
Acq: 29 May 2019 9:24

Tgt Ion: 76 Resp: 113503

Ion Ratio Lower Upper

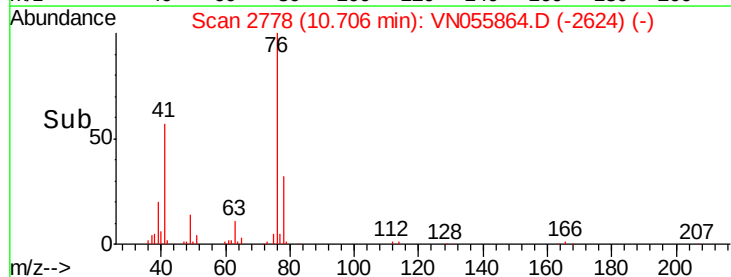
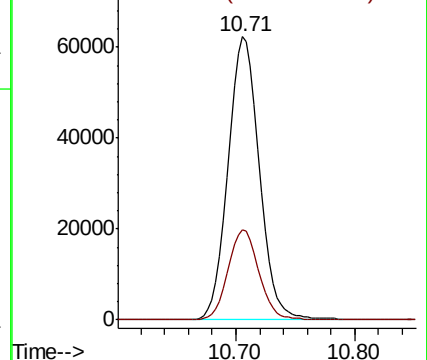
76 100

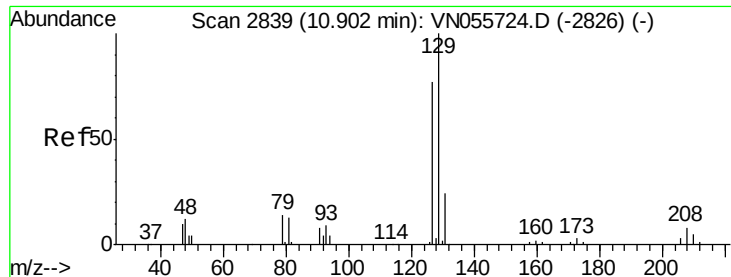
78 31.4 0.0 65.0



Abundance Ion 76.00 (75.70 to 76.70): VN055864.D (-2624) (-)

Ion 78.00 (77.70 to 78.70): VN055864.D (-2624) (-)





#53

Dibromochloromethane

Concen: 18.483 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. -0.00 min

Lab File: VN055864.D

Acq: 29 May 2019 9:24

Instrument :

MSVOA_N

ClientSampleId :

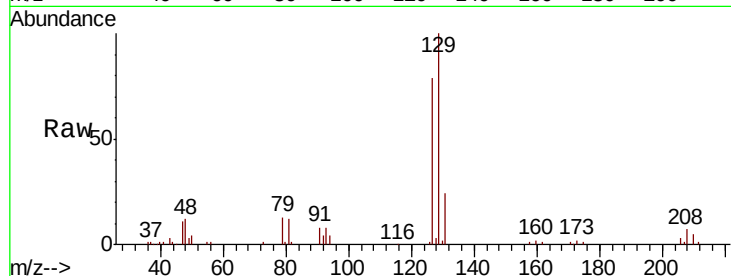
VSTDCCC020

Tot Ion:129 Resp: 75702

Ion Ratio Lower Upper

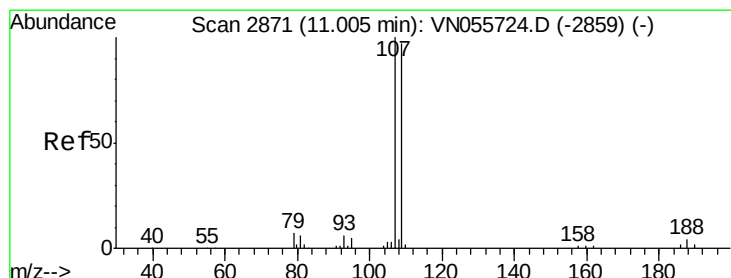
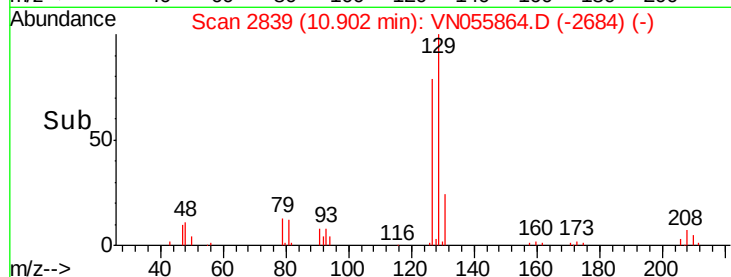
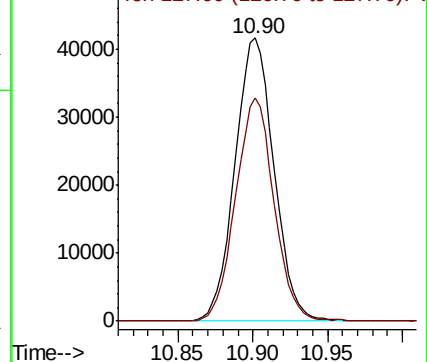
129 100

127 77.4 39.2 117.6



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#54

1,2-Dibromoethane

Concen: 20.100 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. -0.00 min

Lab File: VN055864.D

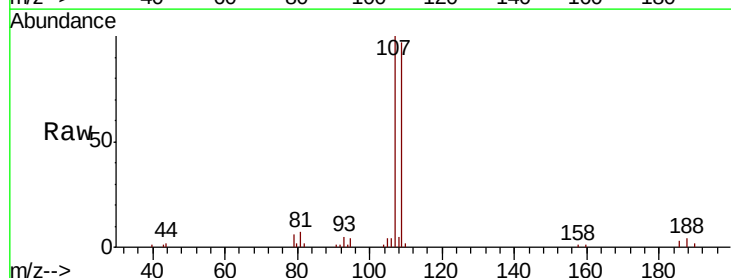
Acq: 29 May 2019 9:24

Tgt Ion:107 Resp: 72111

Ion Ratio Lower Upper

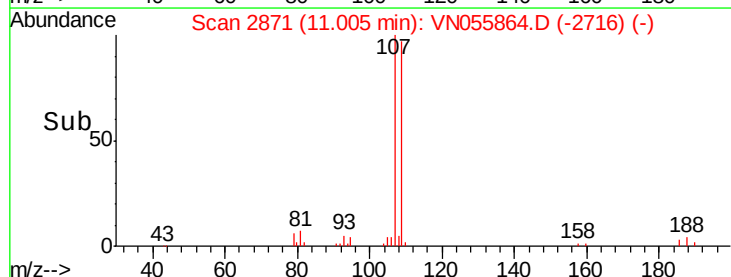
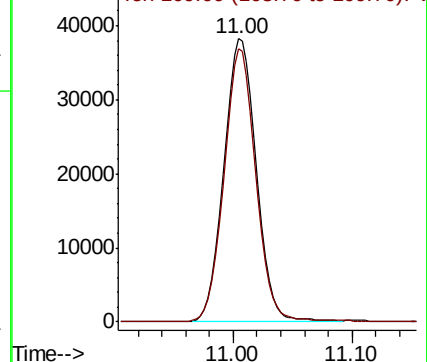
107 100

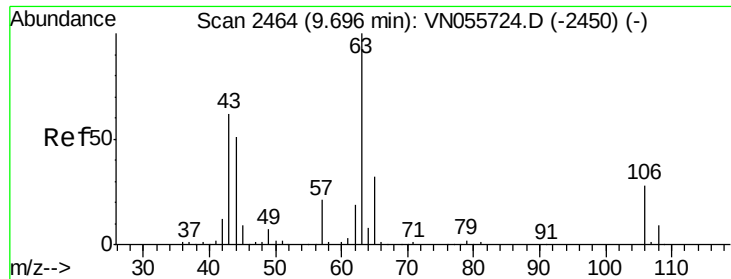
109 94.4 76.6 115.0



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

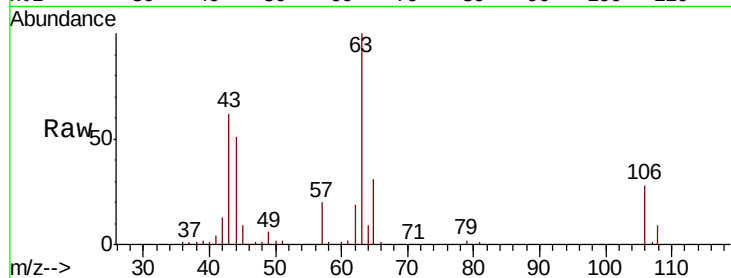




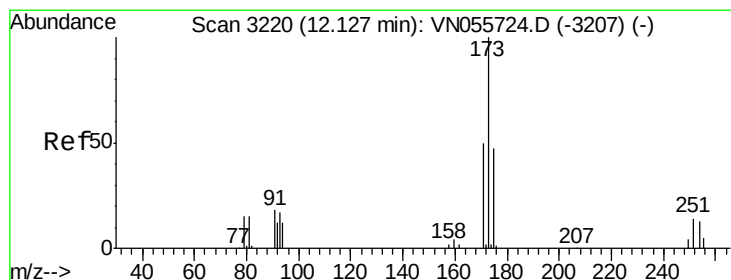
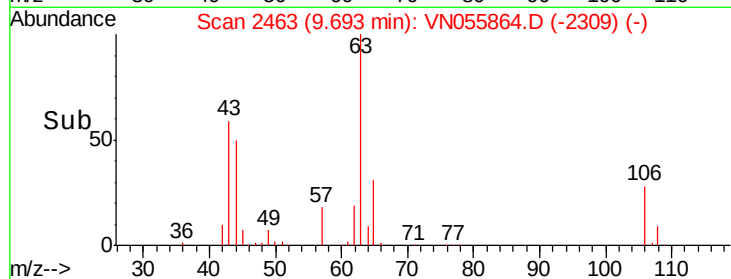
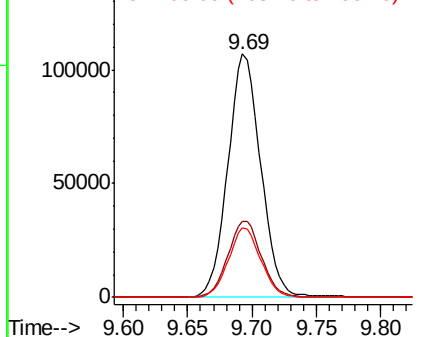
#55
2-Chloroethyl vinyl ether
Concen: 87.379 ug/l
RT: 9.69 min Scan# 2463
Delta R.T. -0.00 min
Lab File: VN055864.D
Acq: 29 May 2019 9:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion: 63 Resp: 189991
Ion Ratio Lower Upper
63 100
65 31.8 25.4 38.0
106 28.1 22.1 33.1

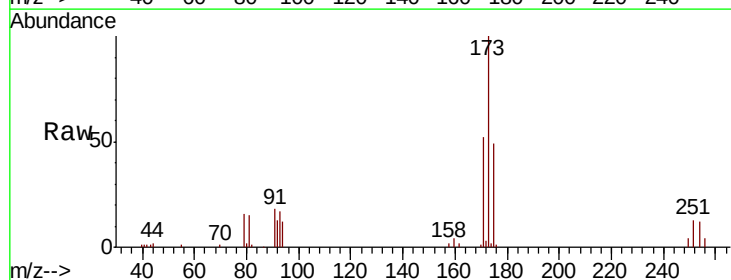


Abundance Ion 63.00 (62.70 to 63.70): VN0
Ion 65.00 (64.70 to 65.70): VN0
Ion 106.00 (105.70 to 106.70): VN0

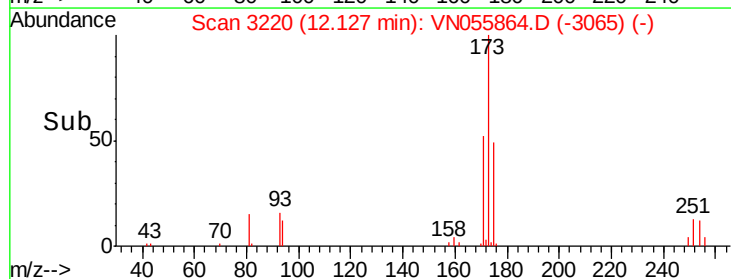
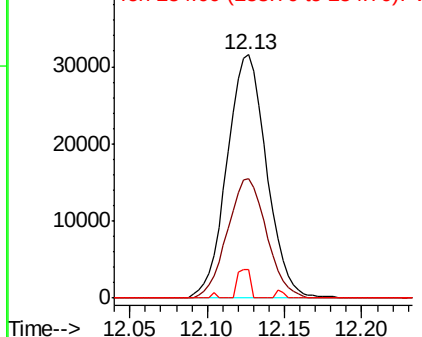


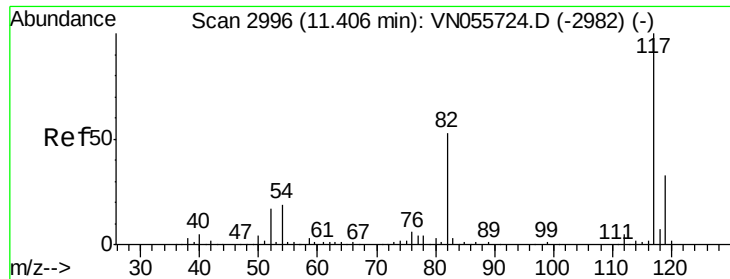
#56
Bromoform
Concen: 16.716 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. -0.00 min
Lab File: VN055864.D
Acq: 29 May 2019 9:24

Tgt Ion: 173 Resp: 56157
Ion Ratio Lower Upper
173 100
175 48.4 38.5 57.7
254 3.7 9.4 14.0#



Abundance Ion 173.00 (172.70 to 173.70): V
Ion 175.00 (174.70 to 175.70): V
Ion 254.00 (253.70 to 254.70): V

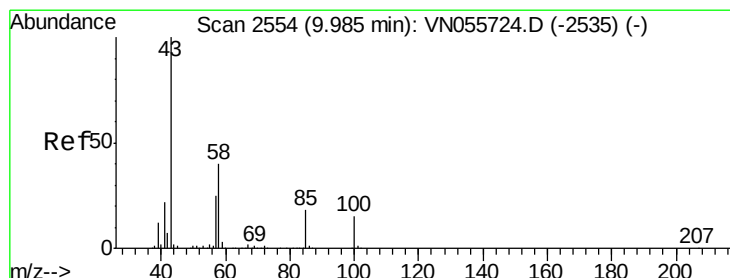
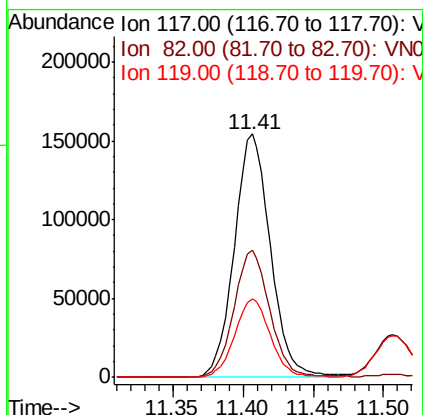
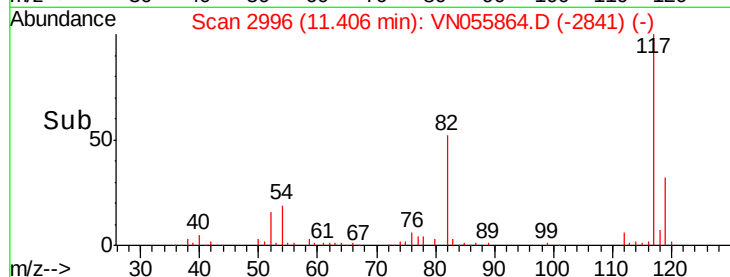
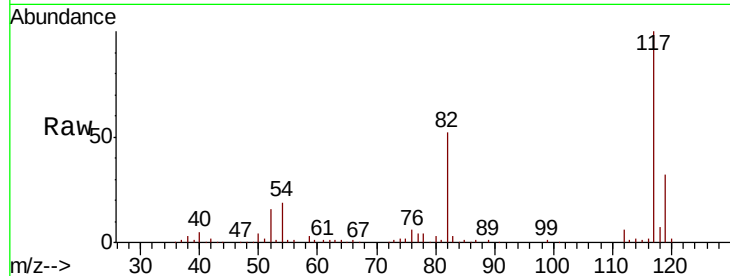




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN055864.D
Acq: 29 May 2019 9:24

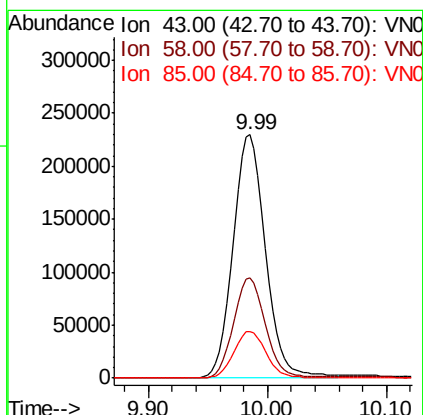
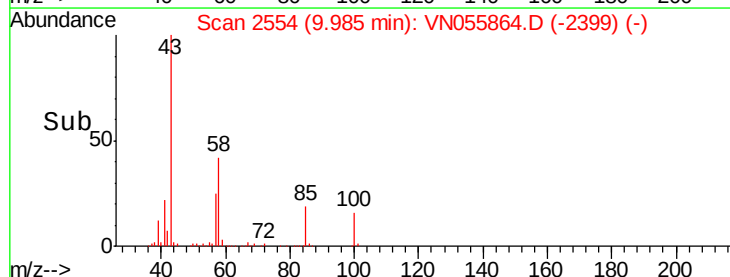
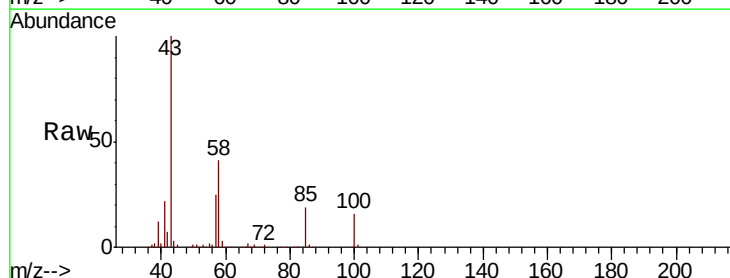
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

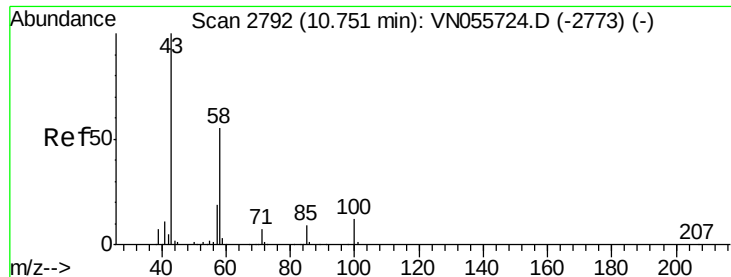
Tot Ion:117 Resp: 277306
Ion Ratio Lower Upper
117 100
82 51.9 42.6 64.0
119 31.9 25.9 38.9



#58
4-Methyl-2-Pentanone
Concen: 94.402 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. -0.00 min
Lab File: VN055864.D
Acq: 29 May 2019 9:24

Tgt Ion: 43 Resp: 433372
Ion Ratio Lower Upper
43 100
58 40.6 31.7 47.5
85 19.4 14.5 21.7

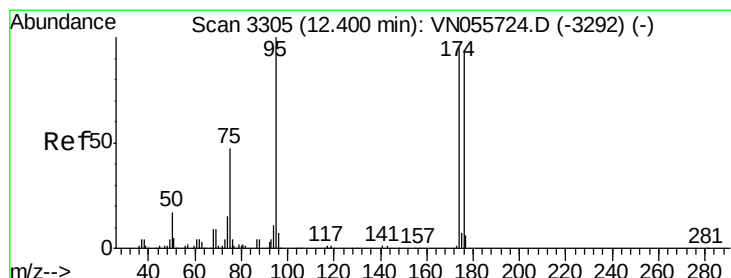
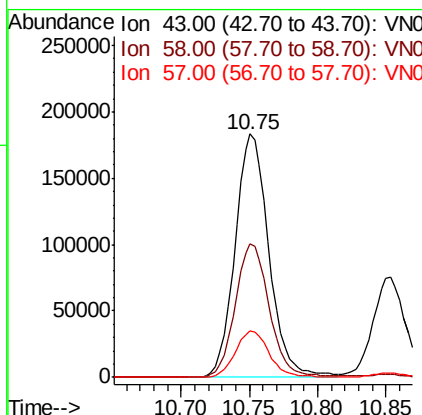
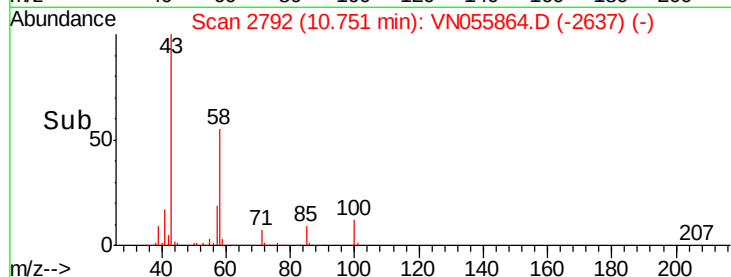
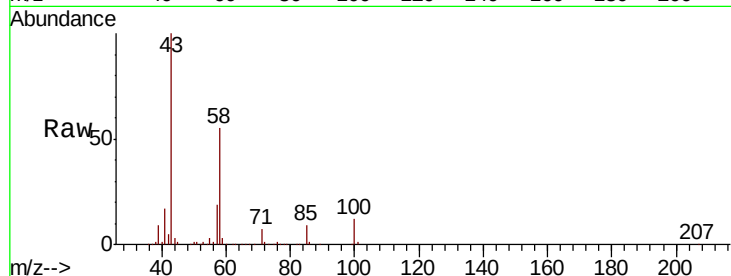




#59
2-Hexanone
Concen: 95.590 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN055864.D
Acq: 29 May 2019 9:24

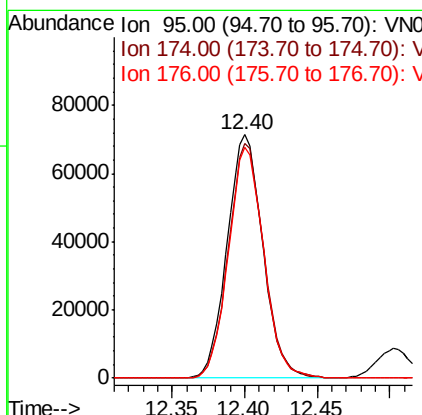
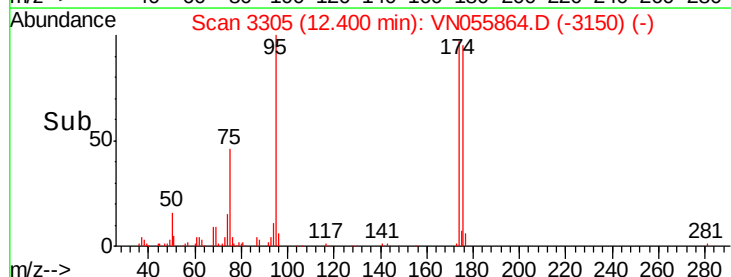
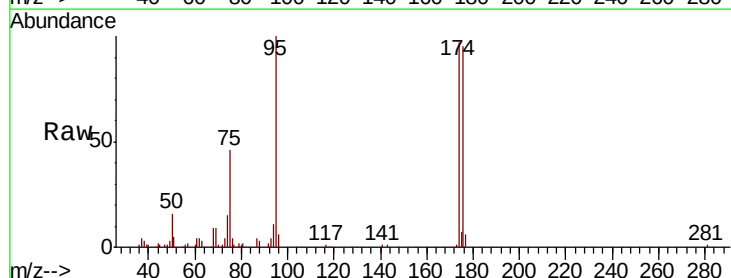
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

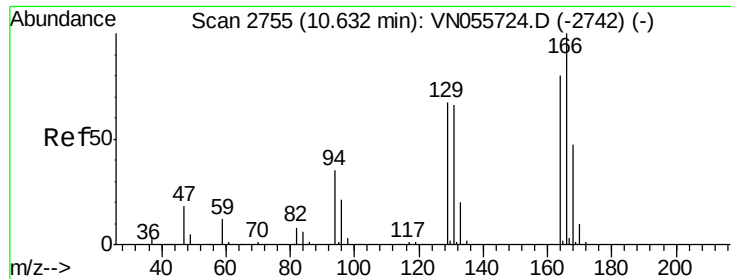
Tot Ion	43	Resp	313720
Ion Ratio	Lower	Upper	
43	100		
58	55.8	44.8	67.2
57	19.3	15.3	22.9



#60
4-Bromofluorobenzene
Concen: 28.221 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN055864.D
Acq: 29 May 2019 9:24

Tgt Ion	95	Resp	121739
Ion Ratio	Lower	Upper	
95	100		
174	95.6	75.7	113.5
176	93.4	74.1	111.1

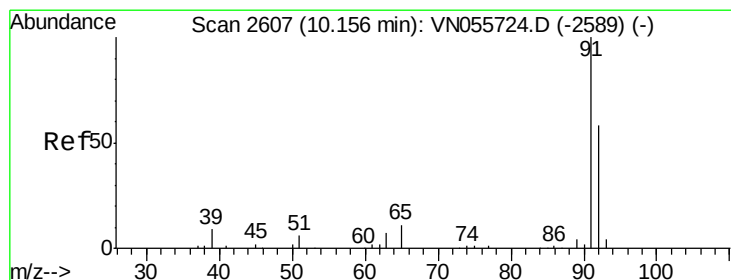
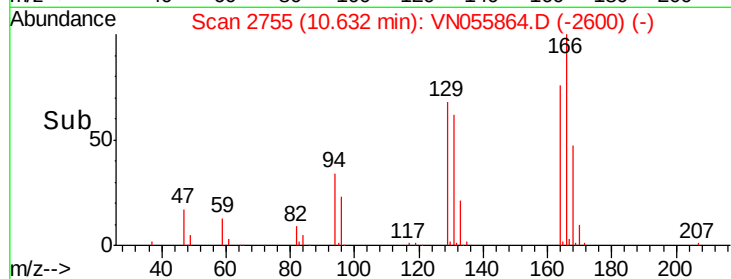
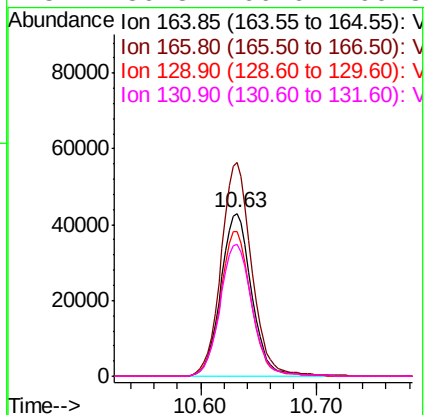
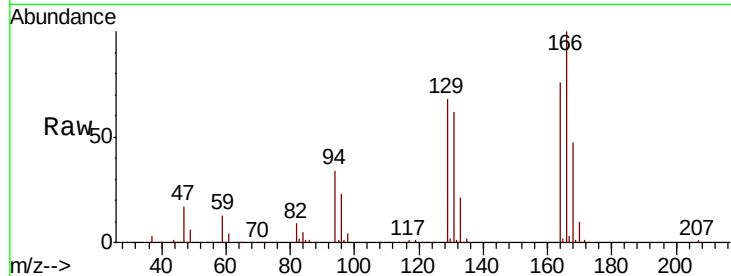




#61
Tetrachloroethene
Concen: 21.044 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN055864.D
Acq: 29 May 2019 9:24

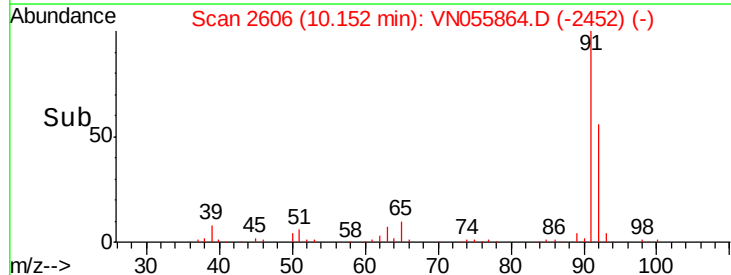
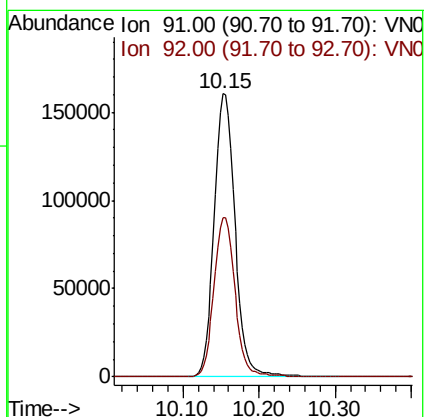
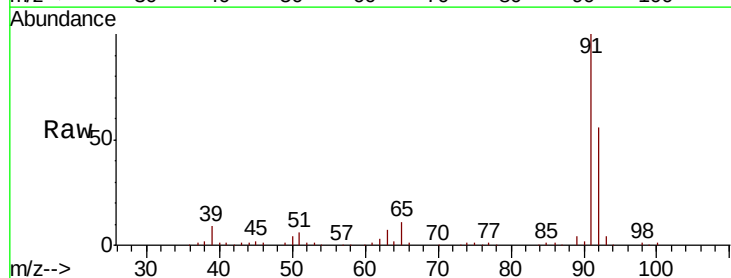
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

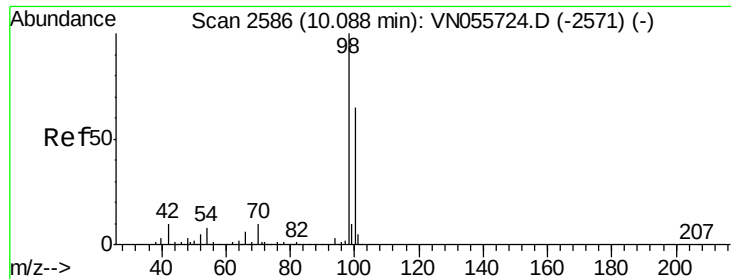
Tot Ion:164 Resp: 78996
Ion Ratio Lower Upper
164 100
166 130.5 100.6 150.8
129 89.0 67.4 101.2
131 80.8 66.6 99.8



#62
Toluene
Concen: 20.591 ug/l
RT: 10.15 min Scan# 2606
Delta R.T. -0.00 min
Lab File: VN055864.D
Acq: 29 May 2019 9:24

Tgt Ion: 91 Resp: 307061
Ion Ratio Lower Upper
91 100
92 56.8 45.6 68.4





#63

Toluene-d8

Concen: 30.155 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. -0.00 min

Lab File: VN055864.D

Acq: 29 May 2019 9:24

Instrument :

MSVOA_N

ClientSampleId :

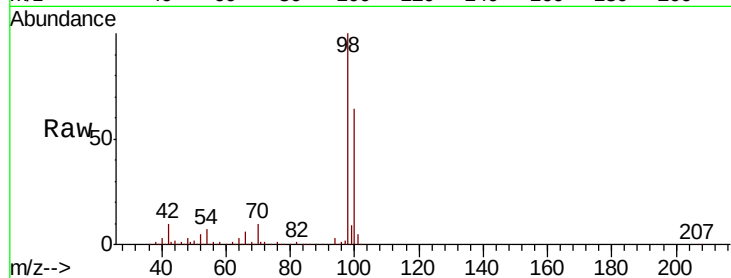
VSTDCCC020

Tot Ion: 98 Resp: 382140

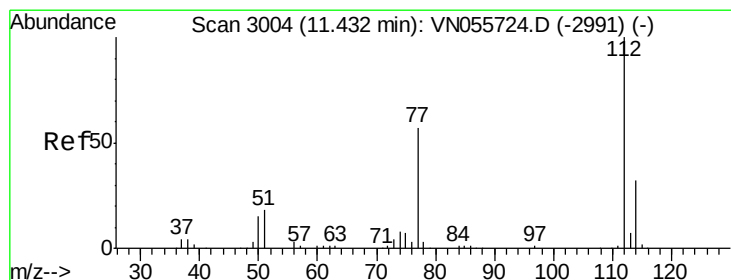
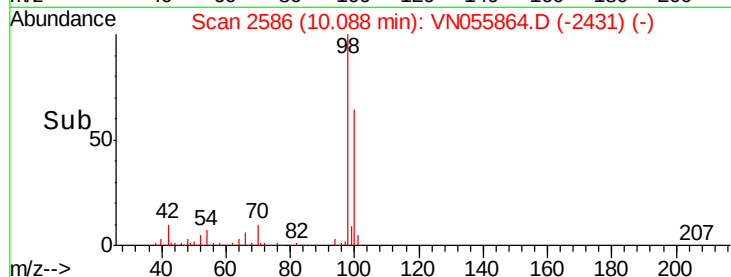
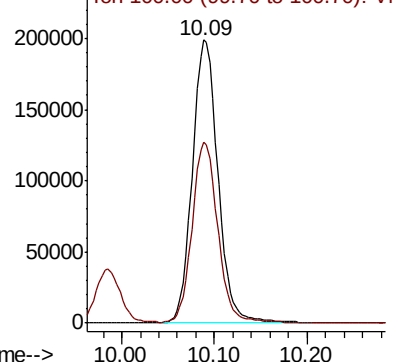
Ion Ratio Lower Upper

98 100

100 63.1 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VN055864.D (-2431) (-)



#64

Chlorobenzene

Concen: 20.810 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN055864.D

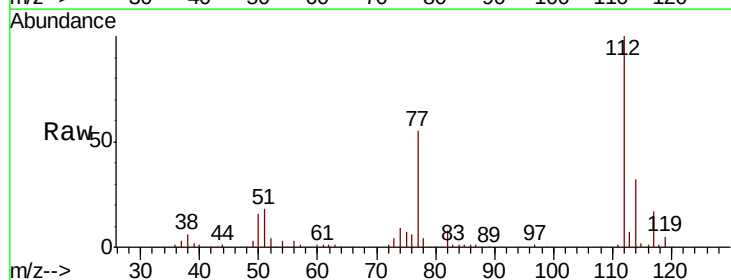
Acq: 29 May 2019 9:24

Tgt Ion: 112 Resp: 188248

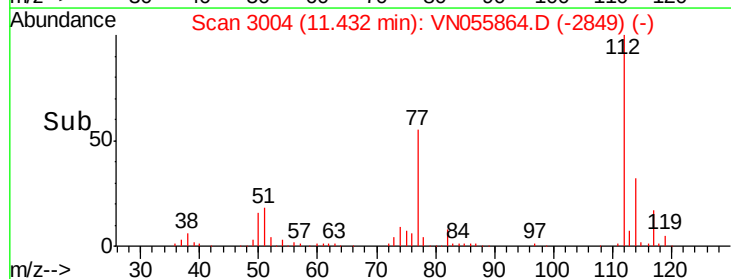
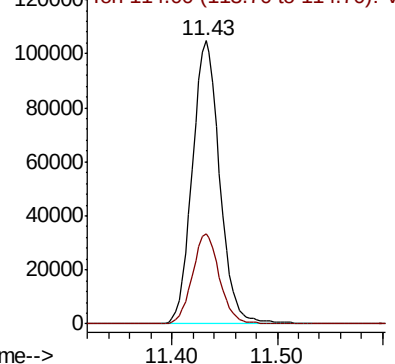
Ion Ratio Lower Upper

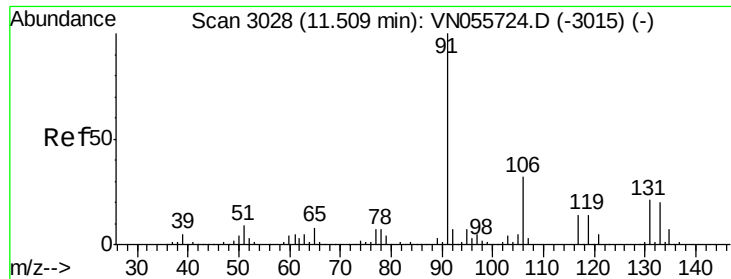
112 100

114 32.0 25.4 38.0



Abundance Ion 112.00 (111.70 to 112.70): VN055864.D (-2849) (-)





#65

1,1,1,2-Tetrachloroethane

Concen: 19.333 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN055864.D

Acq: 29 May 2019 9:24

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC020

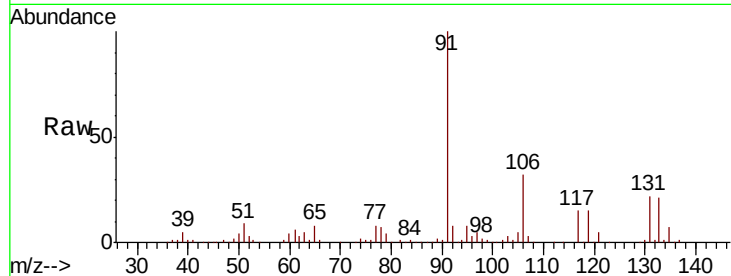
Tot Ion:131 Resp: 70462

Ion Ratio Lower Upper

131 100

133 95.8 0.0 188.8

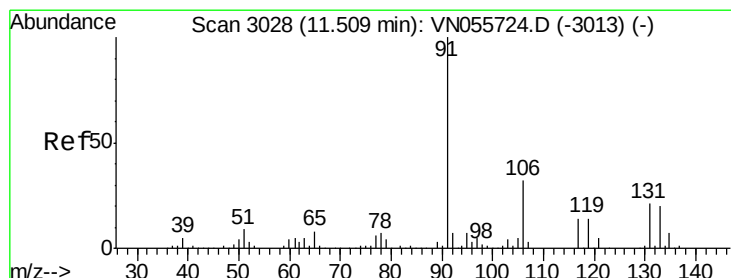
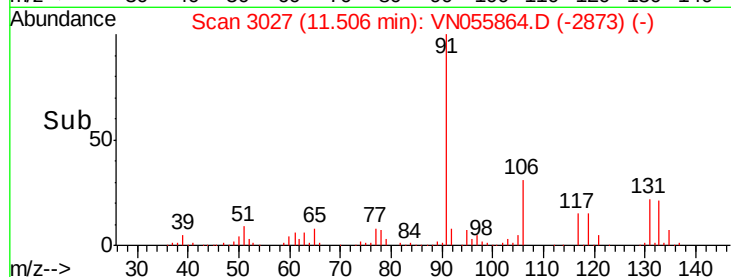
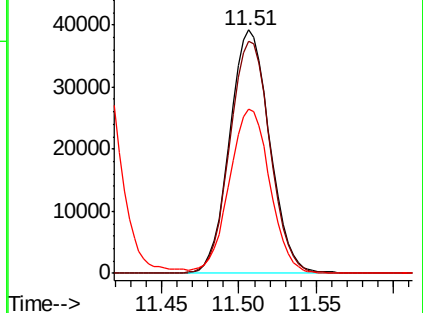
119 68.4 0.0 133.6



Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V



#66

Ethyl Benzene

Concen: 20.089 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN055864.D

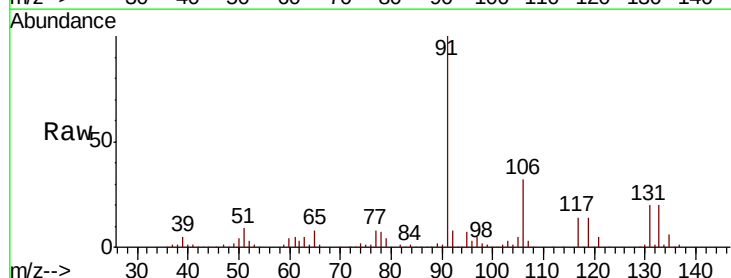
Acq: 29 May 2019 9:24

Tgt Ion: 91 Resp: 327322

Ion Ratio Lower Upper

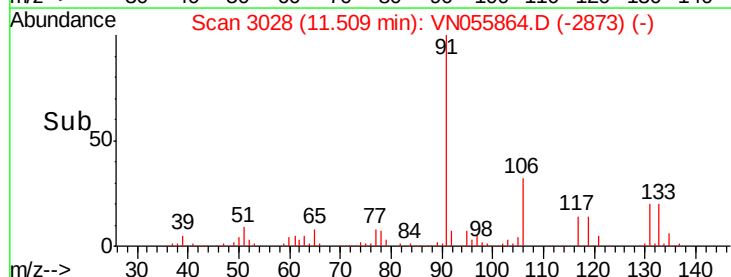
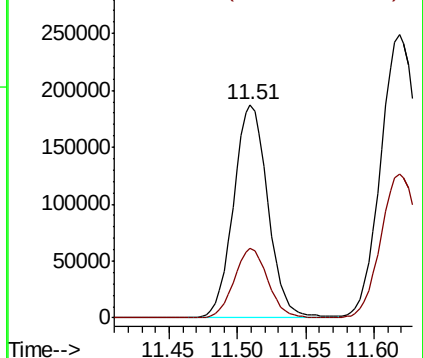
91 100

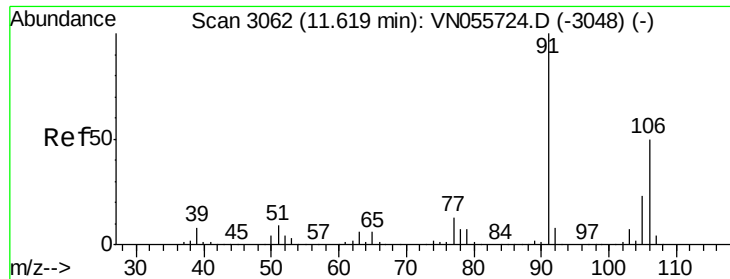
106 32.5 25.6 38.4



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V





#67

m/p-Xylenes

Concen: 40.709 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN055864.D

Acq: 29 May 2019 9:24

Instrument :

MSVOA_N

ClientSampleId :

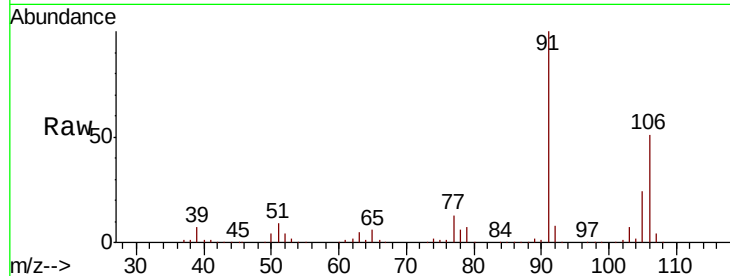
VSTDCCC020

Tot Ion:106 Resp: 251970

Ion Ratio Lower Upper

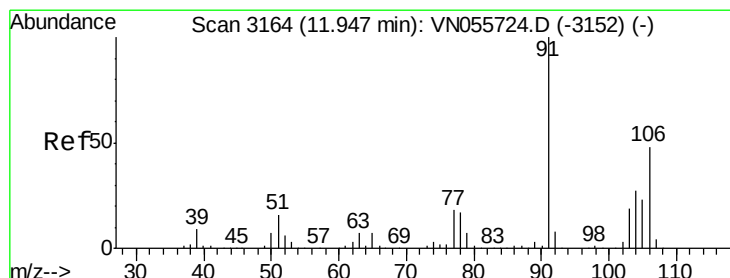
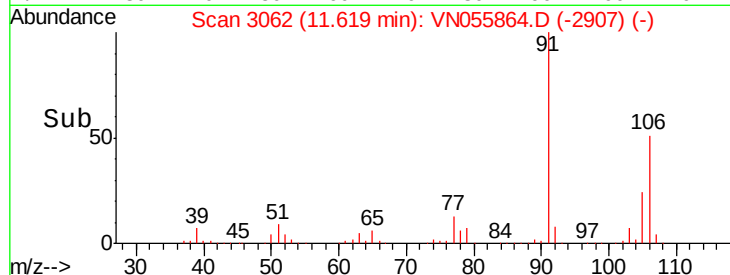
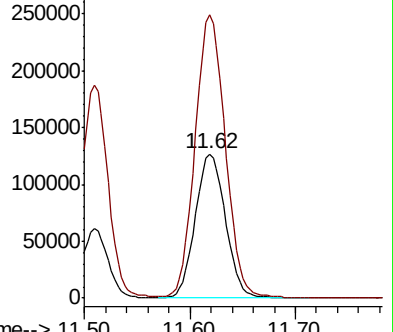
106 100

91 196.1 159.5 239.3



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0



#68

o-Xylene

Concen: 20.124 ug/l

RT: 11.95 min Scan# 3164

Delta R.T. -0.00 min

Lab File: VN055864.D

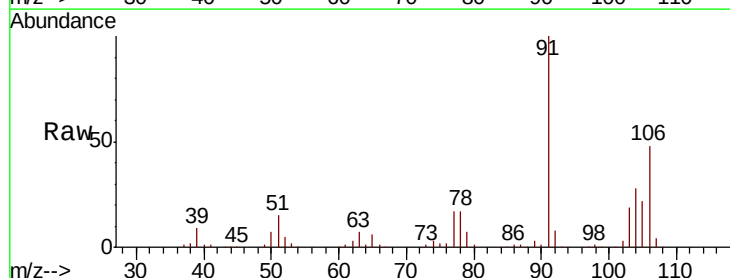
Acq: 29 May 2019 9:24

Tgt Ion:106 Resp: 123257

Ion Ratio Lower Upper

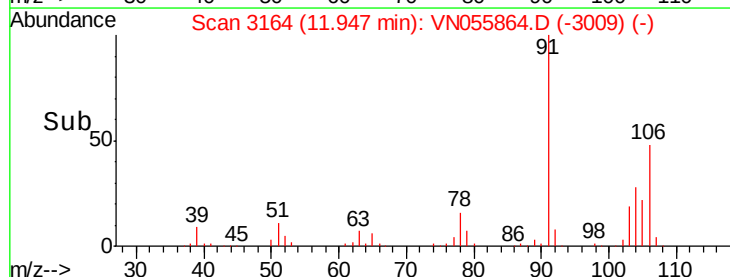
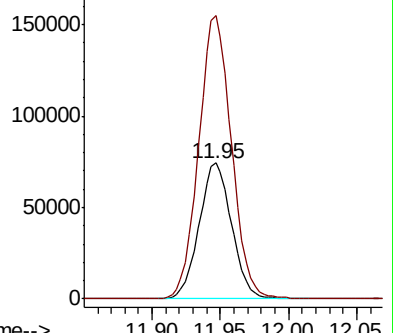
106 100

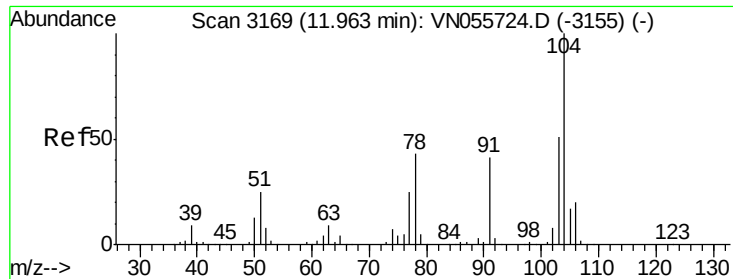
91 209.7 105.4 316.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0

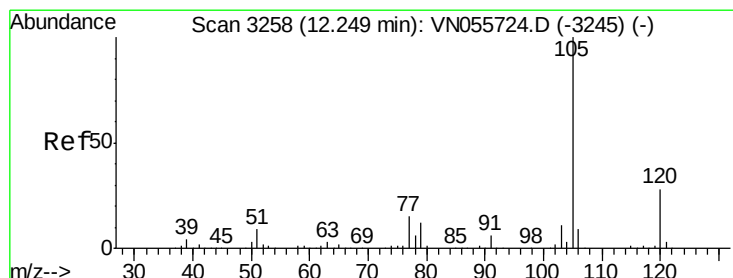
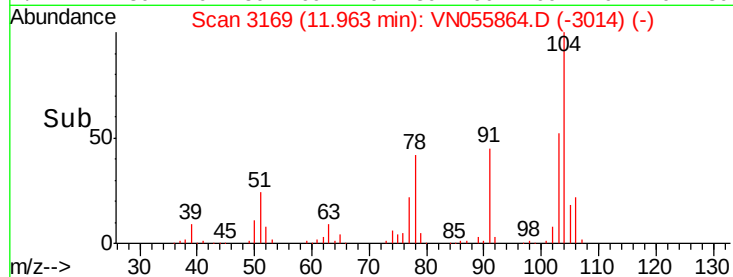
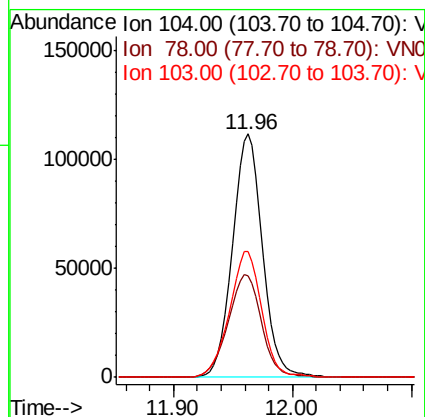
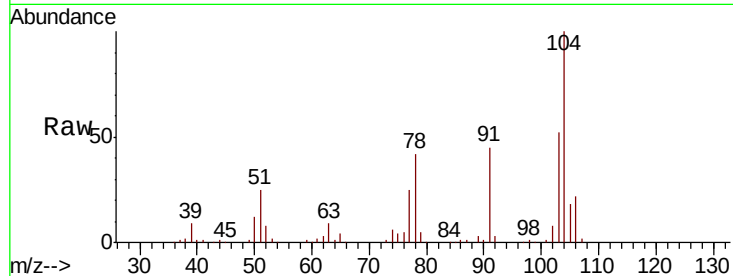




#69
Stvrene
Concen: 19.308 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN055864.D
Acq: 29 May 2019 9:24

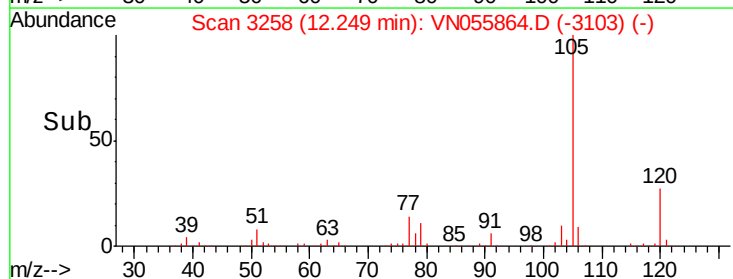
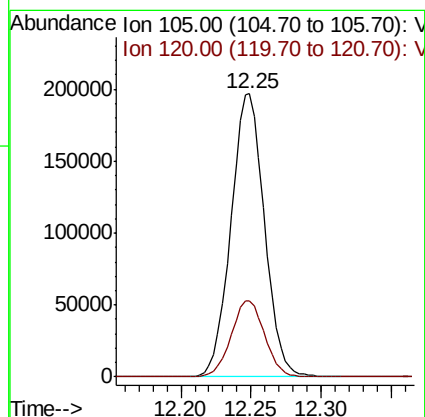
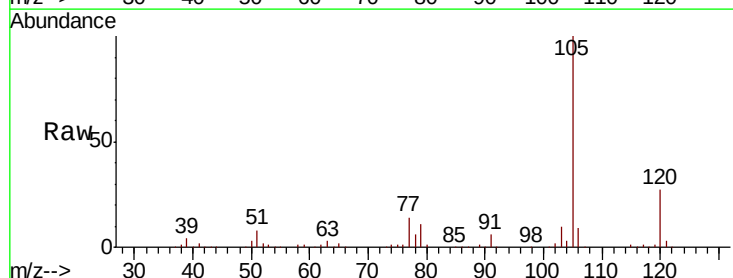
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

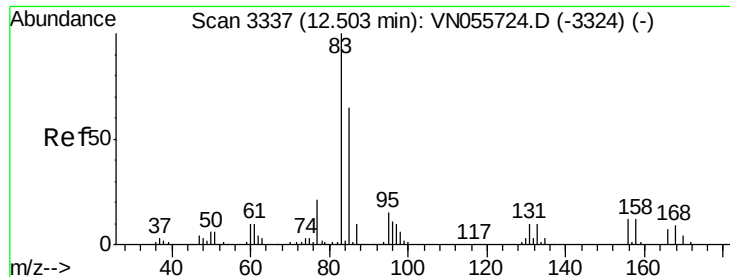
Tot Ion:104 Resp: 195114
Ion Ratio Lower Upper
104 100
78 47.0 38.7 58.1
103 55.6 45.0 67.6



#70
Isopropylbenzene
Concen: 20.411 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. -0.00 min
Lab File: VN055864.D
Acq: 29 May 2019 9:24

Tgt Ion:105 Resp: 327099
Ion Ratio Lower Upper
105 100
120 27.0 19.2 35.6

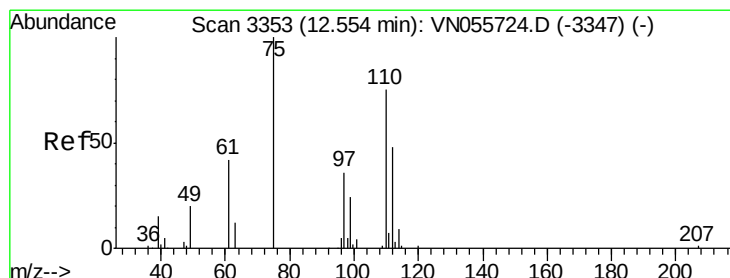
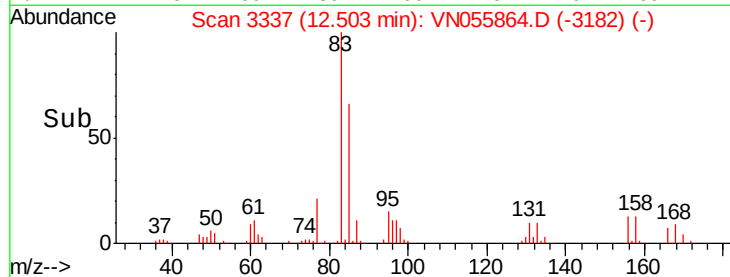
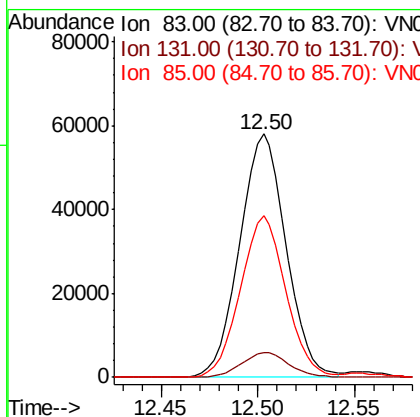
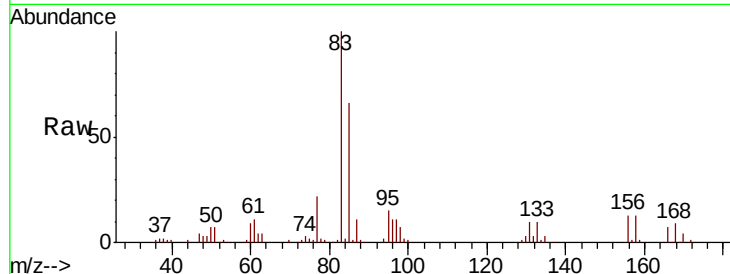




#71
 1,1,2,2-Tetrachloroethane
 Concen: 19.598 ug/l
 RT: 12.50 min Scan# 3337
 Delta R.T. -0.00 min
 Lab File: VN055864.D
 Acq: 29 May 2019 9:24

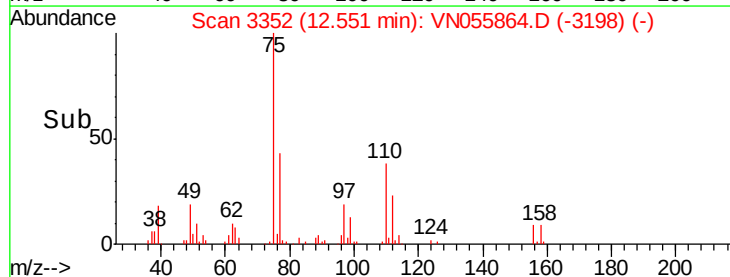
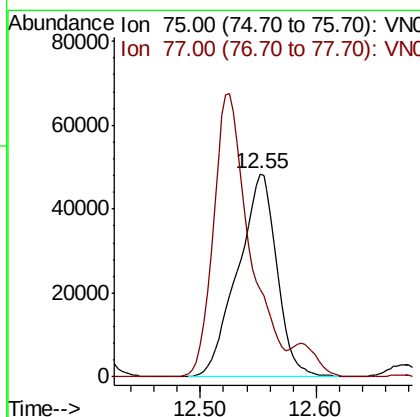
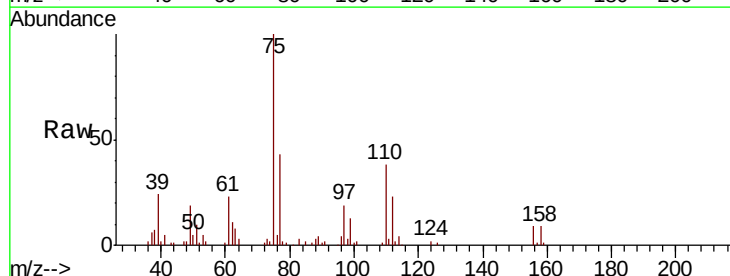
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

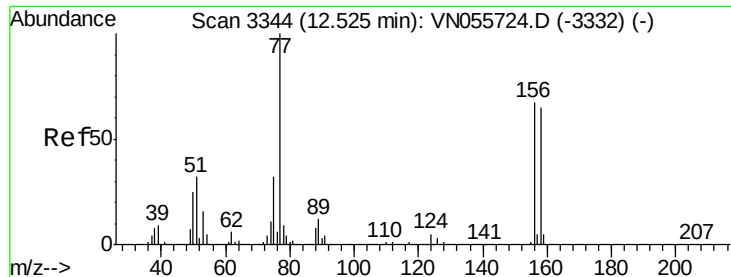
Tot Ion	83	Resp	96656
Ion	Ratio	Lower	Upper
83	100		
131	10.4	5.3	15.8
85	64.9	32.3	96.9



#72
 1,2,3-Trichloropropane
 Concen: 26.863 ug/l
 RT: 12.55 min Scan# 3352
 Delta R.T. -0.00 min
 Lab File: VN055864.D
 Acq: 29 May 2019 9:24

Tgt Ion	75	Resp	114027
Ion	Ratio	Lower	Upper
75	100		
77	128.5	0.0	349.8





#73

Bromobenzene

Concen: 19.532 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN055864.D

Acq: 29 May 2019 9:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

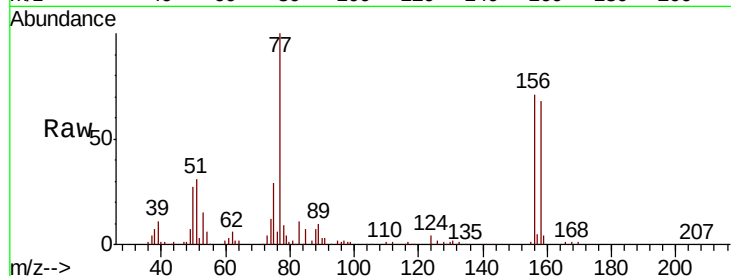
Tot Ion:156 Resp: 82809

Ion Ratio Lower Upper

156 100

77 177.0 0.0 368.0

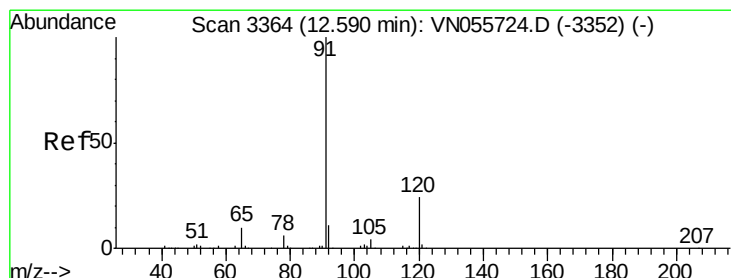
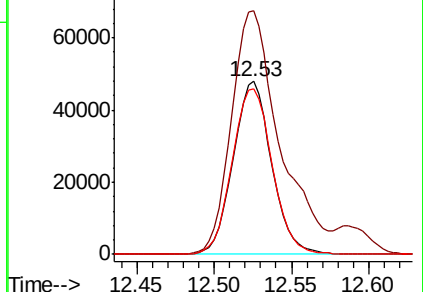
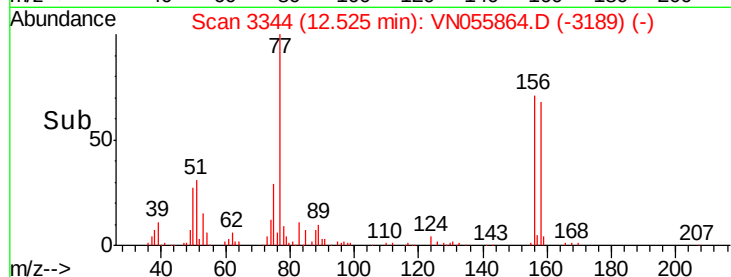
158 99.4 0.0 195.0



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 19.541 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN055864.D

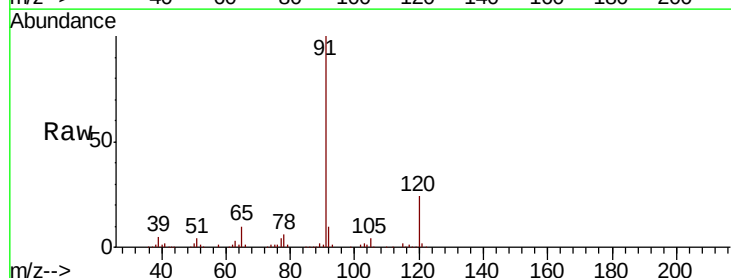
Acq: 29 May 2019 9:24

Tgt Ion: 91 Resp: 337738

Ion Ratio Lower Upper

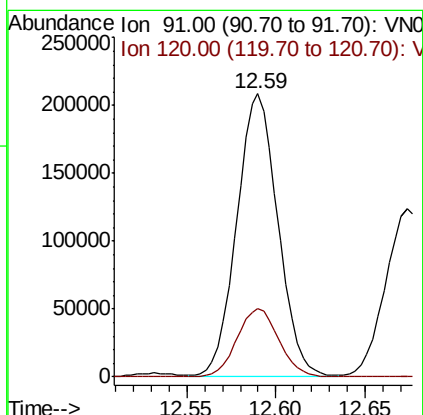
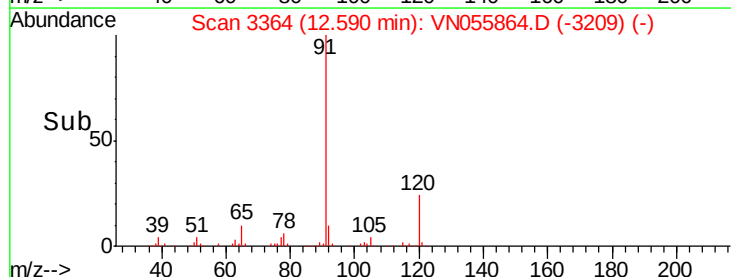
91 100

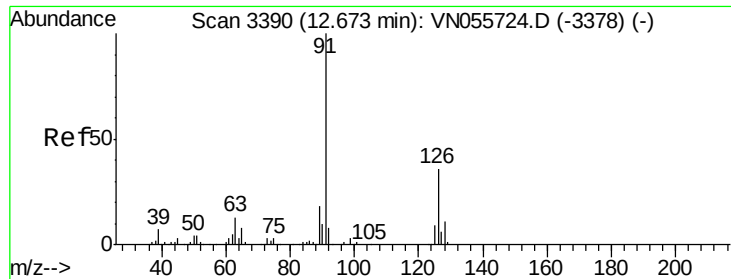
120 24.4 0.0 47.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 19.926 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN055864.D

Acq: 29 May 2019 9:24

Instrument :

MSVOA_N

ClientSampleId :

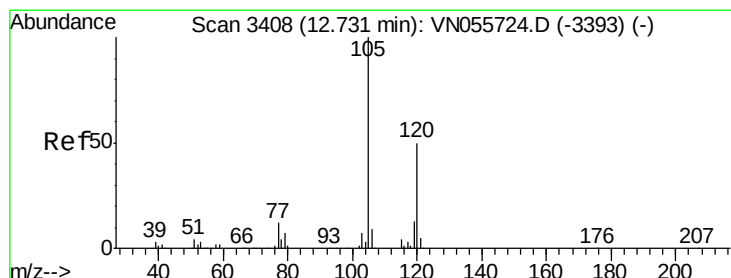
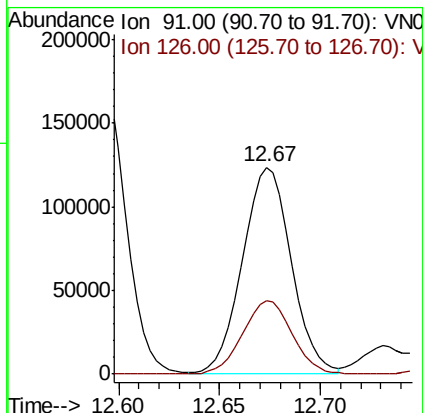
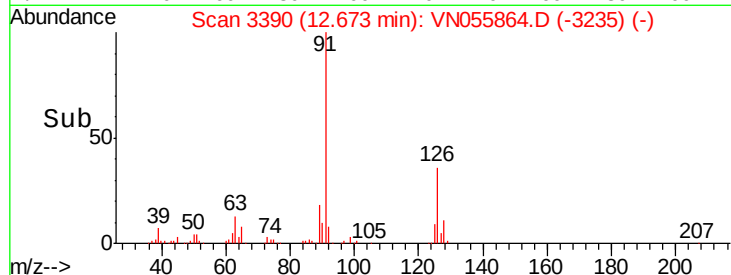
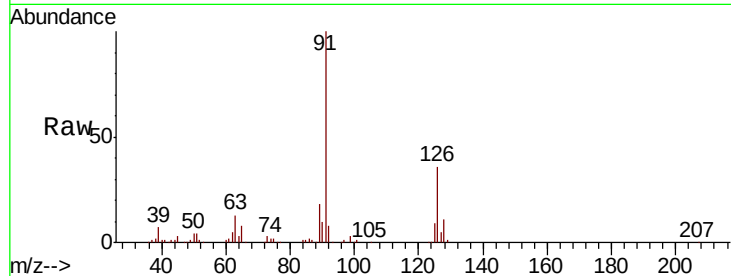
VSTDCCC020

Tot Ion: 91 Resp: 210373

Ion Ratio Lower Upper

91 100

126 35.9 0.0 71.0



#76

1,3,5-Trimethylbenzene

Concen: 19.878 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN055864.D

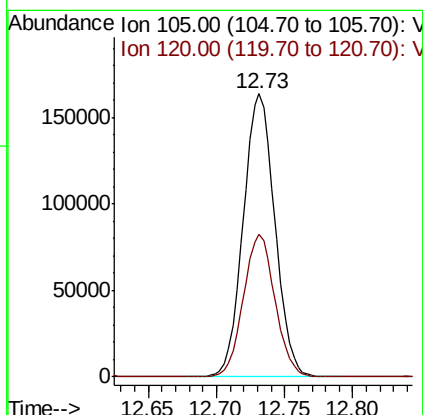
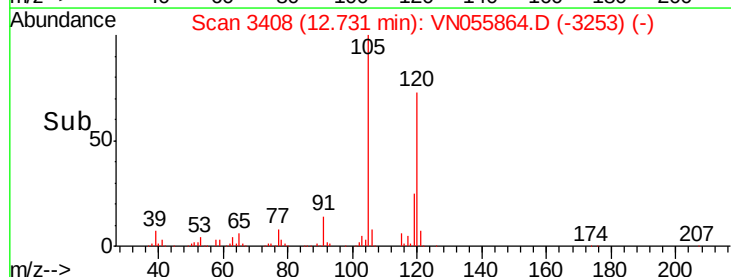
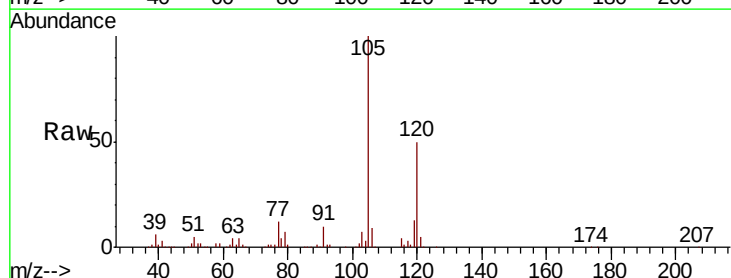
Acq: 29 May 2019 9:24

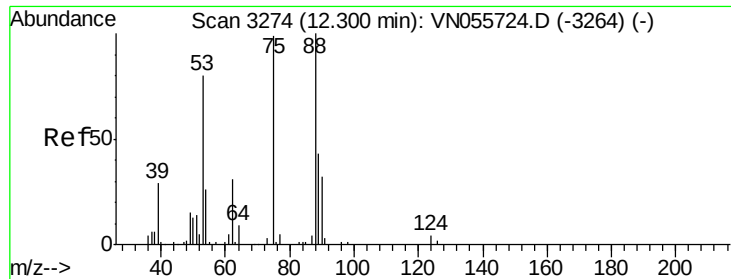
Tgt Ion: 105 Resp: 263309

Ion Ratio Lower Upper

105 100

120 50.2 0.0 99.2





#77

t-1,4-Dichloro-2-butene

Concen: 15.325 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN055864.D

Acq: 29 May 2019 9:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

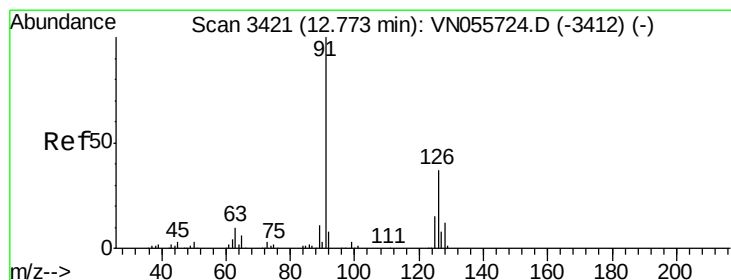
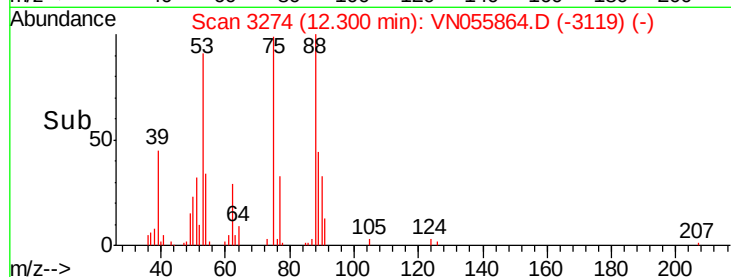
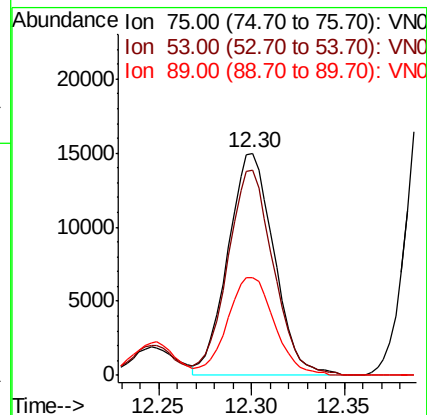
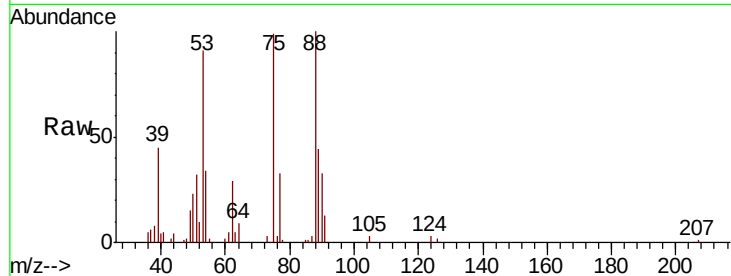
Tot Ion: 75 Resp: 25839

Ion Ratio Lower Upper

75 100

53 92.3 40.1 120.3

89 44.2 22.6 67.8



#78

4-Chlorotoluene

Concen: 19.215 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN055864.D

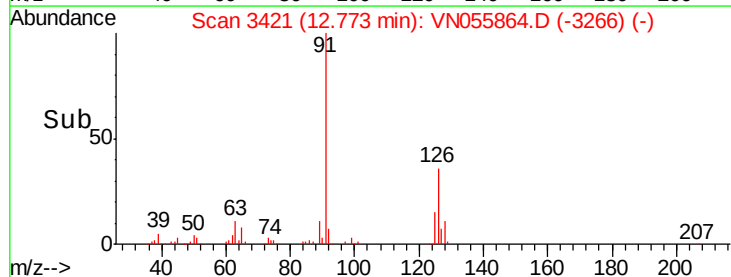
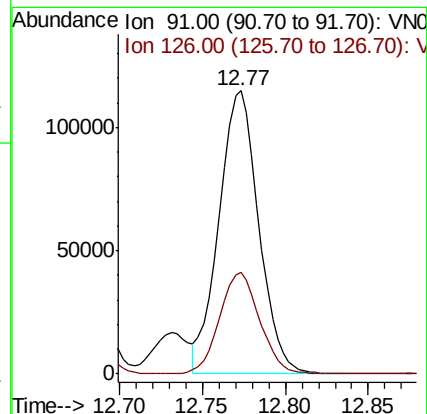
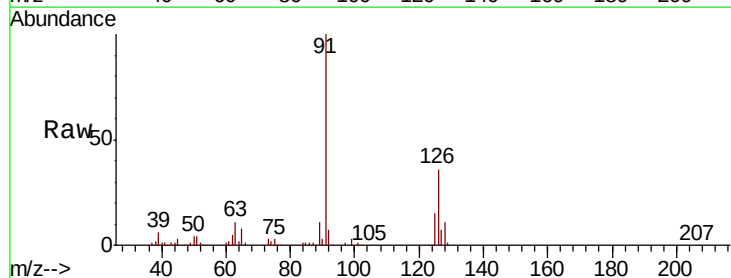
Acq: 29 May 2019 9:24

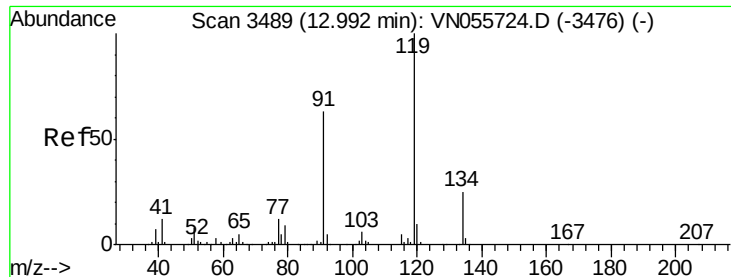
Tgt Ion: 91 Resp: 192269

Ion Ratio Lower Upper

91 100

126 36.0 0.0 69.0

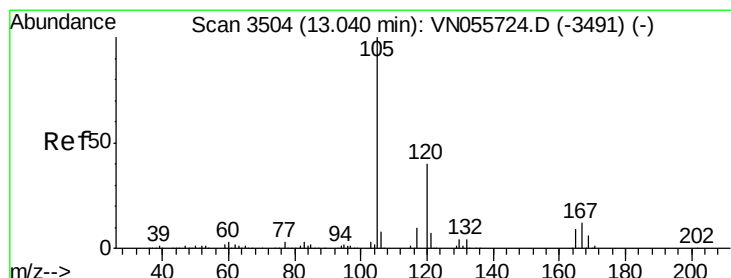
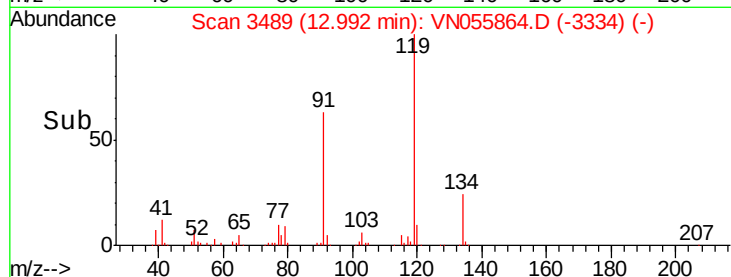
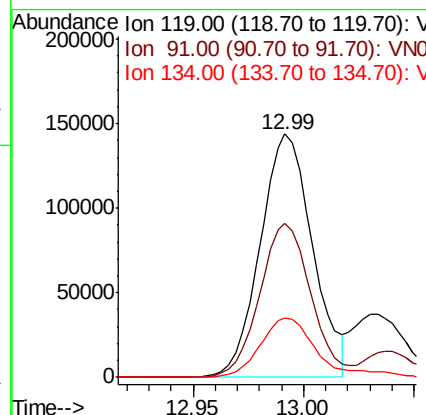
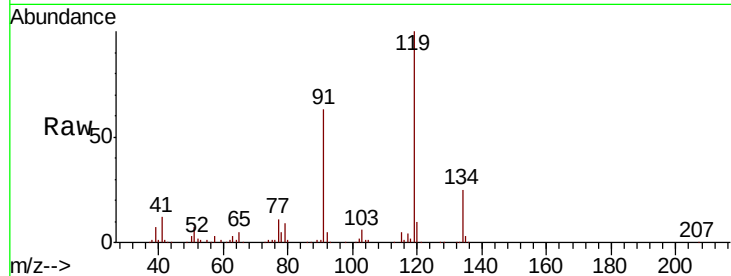




#79
tert-butylbenzene
Concen: 20.321 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. -0.00 min
Lab File: VN055864.D
Acq: 29 May 2019 9:24

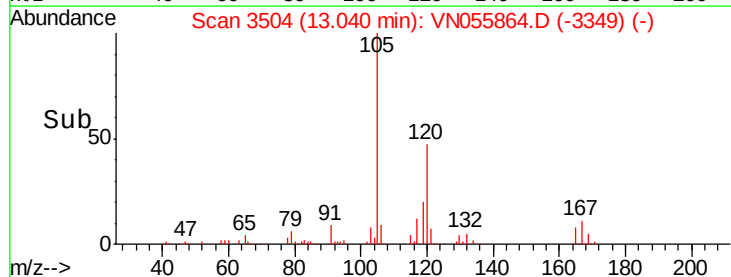
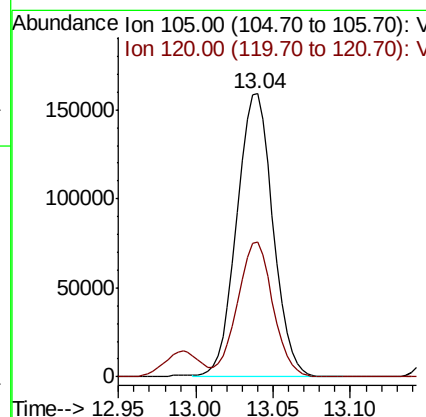
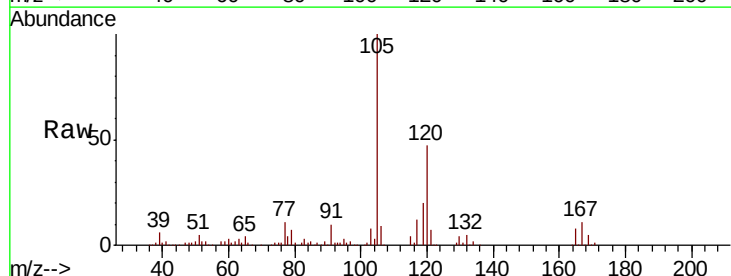
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

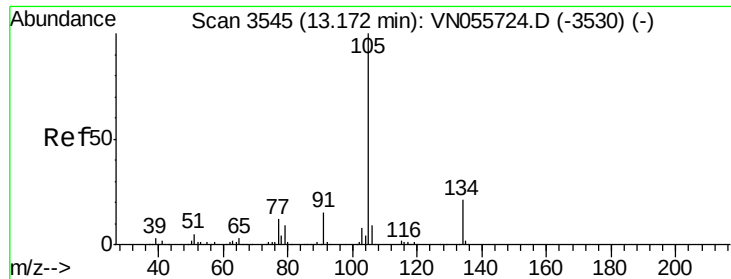
Tot Ion	Ratio	Lower	Upper
119	100		
91	61.5	0.0	123.8
134	26.4	0.0	52.6



#80
1,2,4-Trimethylbenzene
Concen: 19.665 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. -0.00 min
Lab File: VN055864.D
Acq: 29 May 2019 9:24

Tgt Ion	Ratio	Lower	Upper
105	100		
120	47.0	0.0	93.6





#81

sec-Butylbenzene

Concen: 20.071 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN055864.D

Acq: 29 May 2019 9:24

Instrument :

MSVOA_N

ClientSampleId :

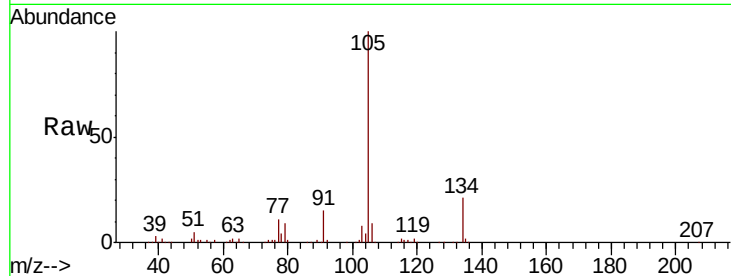
VSTDCCC020

Tot Ion:105 Resp: 296977

Ion Ratio Lower Upper

105 100

134 20.8 0.0 41.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

200000

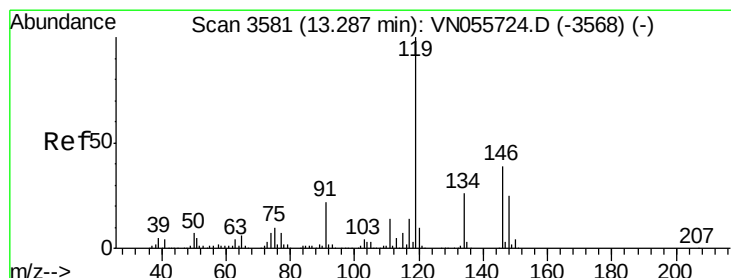
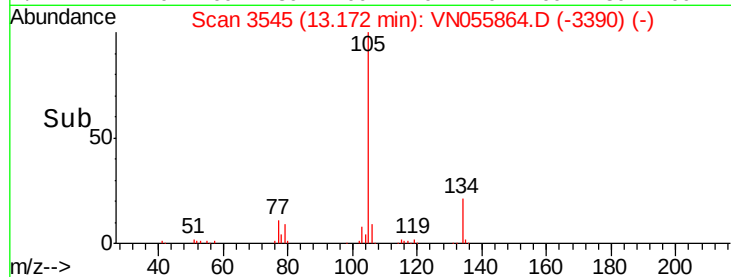
150000

100000

50000

0

Time-->



#82

p-Isopropyltoluene

Concen: 19.656 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN055864.D

Acq: 29 May 2019 9:24

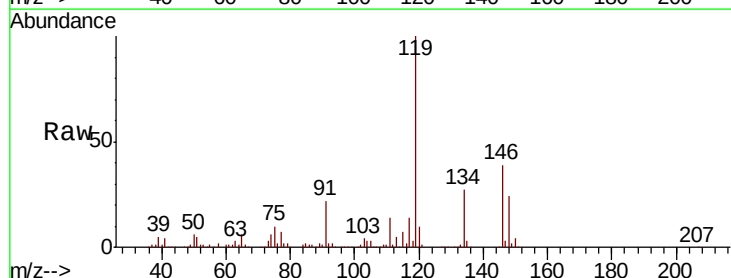
Tgt Ion:119 Resp: 267653

Ion Ratio Lower Upper

119 100

134 27.0 0.0 52.0

91 21.6 0.0 44.4



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.29

200000

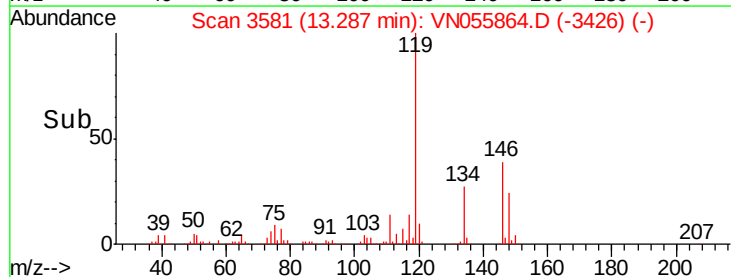
150000

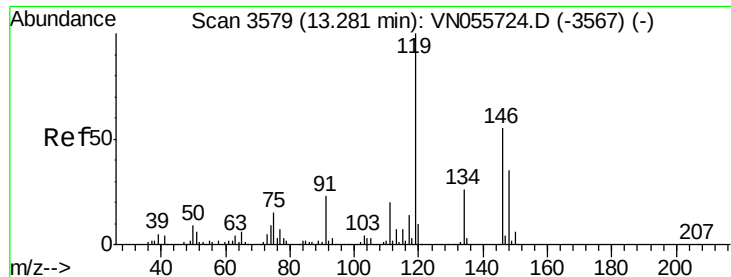
100000

50000

0

Time-->





#83

1,3-Dichlorobenzene

Concen: 19.388 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. -0.00 min

Lab File: VN055864.D

Acq: 29 May 2019 9:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

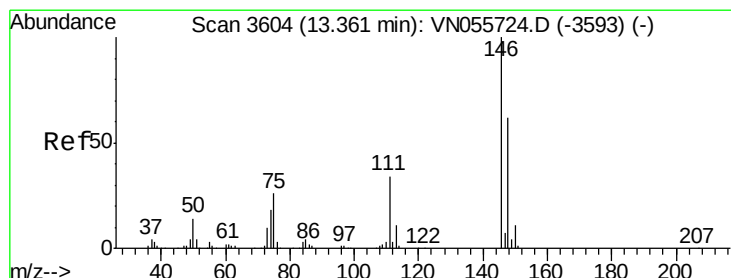
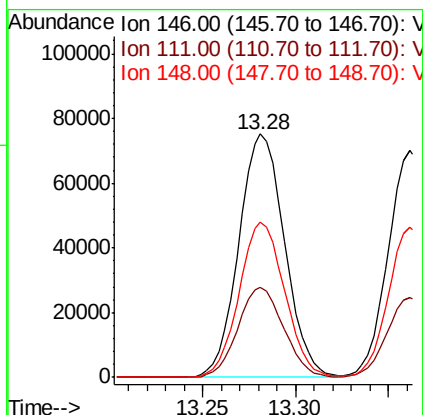
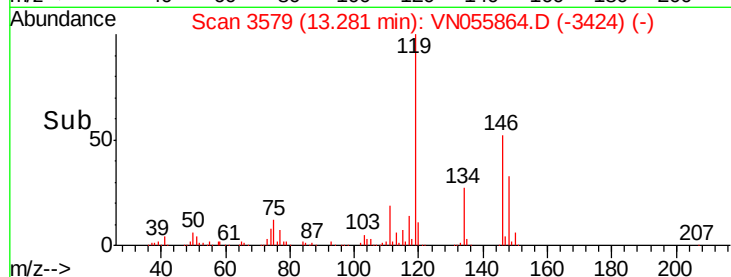
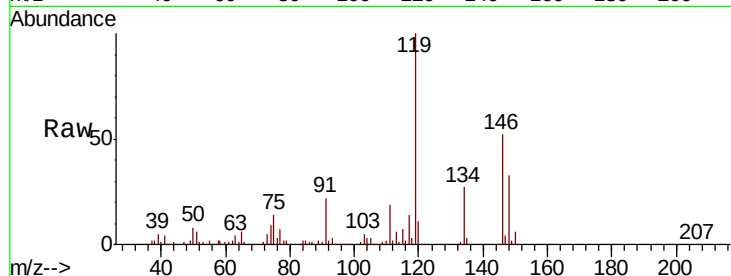
Tot Ion:146 Resp: 128851

Ion Ratio Lower Upper

146 100

111 36.8 18.6 55.6

148 63.3 32.2 96.6



#84

1,4-Dichlorobenzene

Concen: 18.706 ug/l

RT: 13.36 min Scan# 3604

Delta R.T. -0.00 min

Lab File: VN055864.D

Acq: 29 May 2019 9:24

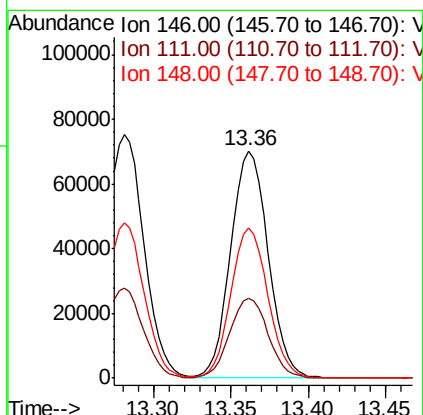
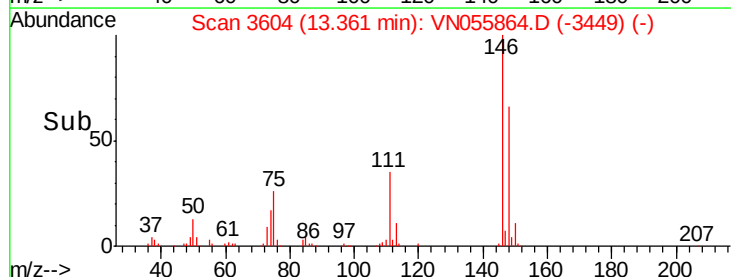
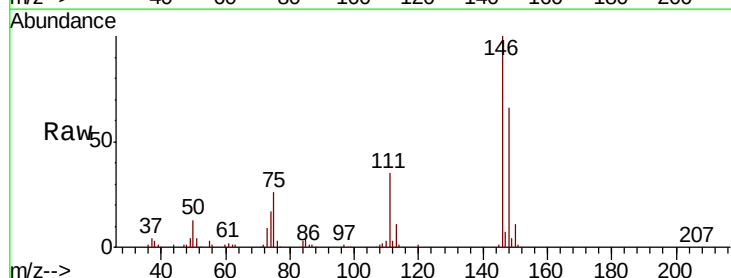
Tgt Ion:146 Resp: 118394

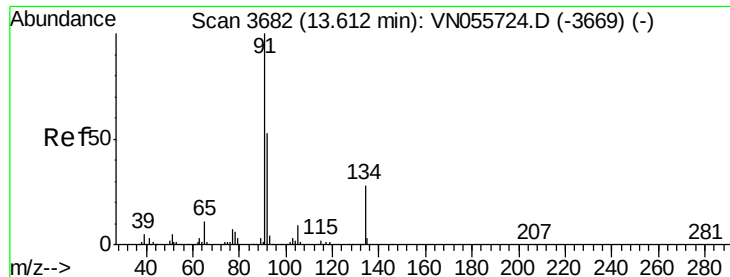
Ion Ratio Lower Upper

146 100

111 35.9 17.5 52.6

148 65.3 31.8 95.4





#85

n-Butylbenzene

Concen: 18.191 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. -0.00 min

Lab File: VN055864.D

Acq: 29 May 2019 9:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

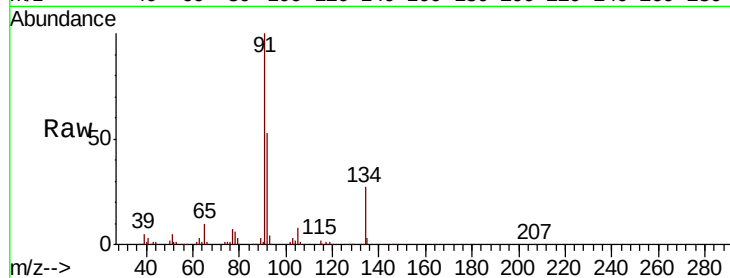
Tot Ion: 91 Resp: 192708

Ion Ratio Lower Upper

91 100

92 52.5 0.0 106.8

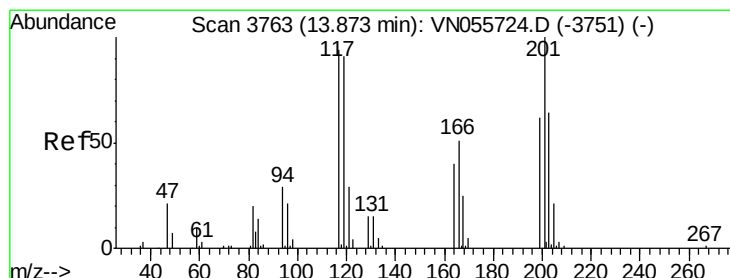
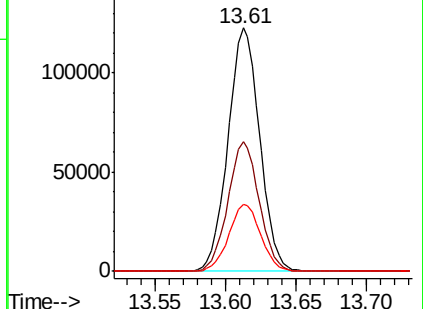
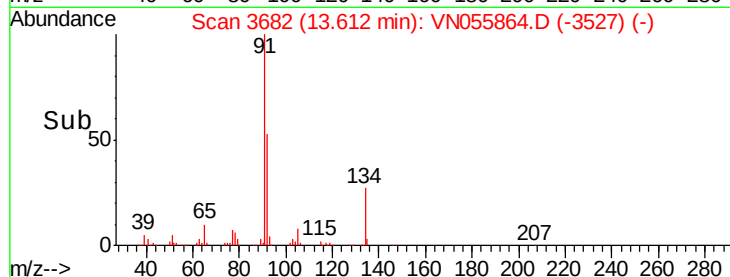
134 27.6 0.0 55.2



Abundance Ion 91.00 (90.70 to 91.70): VN055864.D (-3527) (-)

Ion 92.00 (91.70 to 92.70): VN055864.D (-3527) (-)

Ion 134.00 (133.70 to 134.70): VN055864.D (-3527) (-)



#86

Hexachloroethane

Concen: 17.623 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. -0.00 min

Lab File: VN055864.D

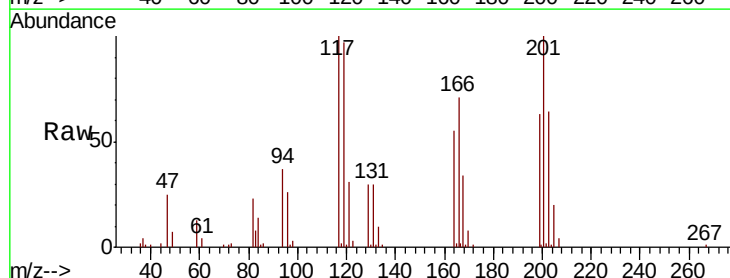
Acq: 29 May 2019 9:24

Tgt Ion: 117 Resp: 47200

Ion Ratio Lower Upper

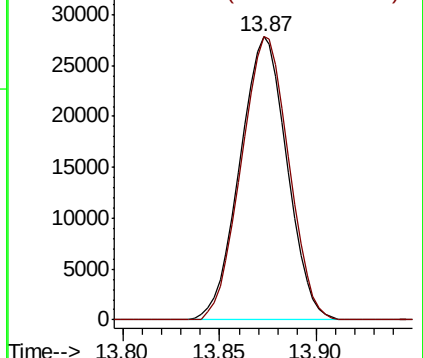
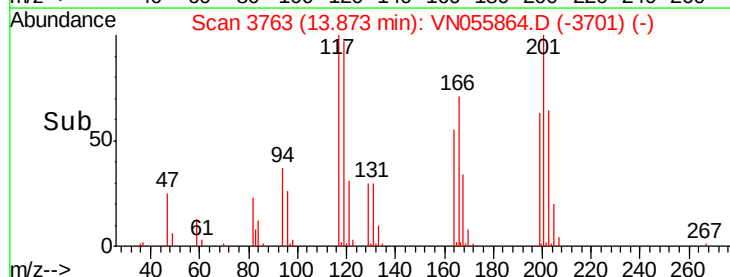
117 100

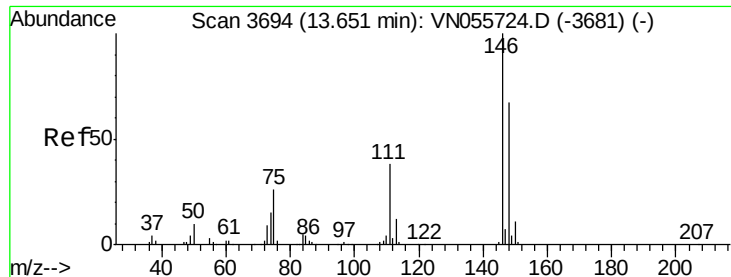
201 100.2 52.5 157.6



Abundance Ion 117.00 (116.70 to 117.70): VN055864.D (-3701) (-)

Ion 201.00 (200.70 to 201.70): VN055864.D (-3701) (-)

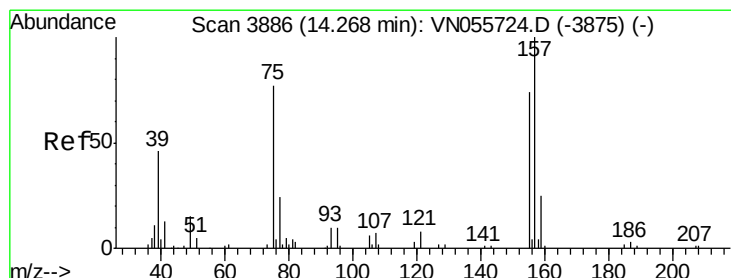
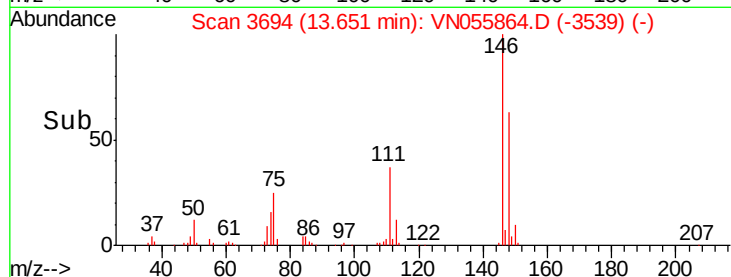
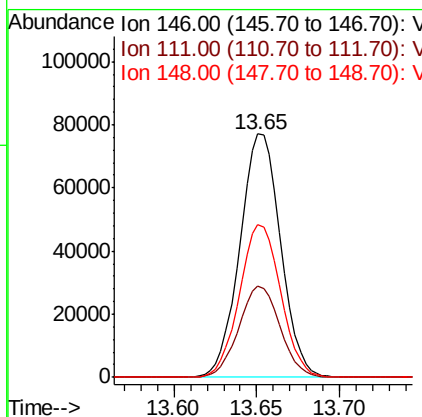
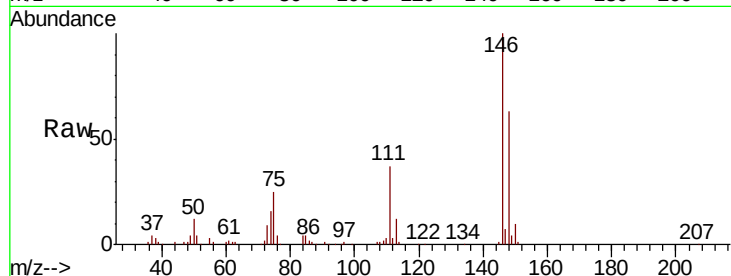




#87
 1,2-Dichlorobenzene
 Concen: 19.731 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. -0.00 min
 Lab File: VN055864.D
 Acq: 29 May 2019 9:24

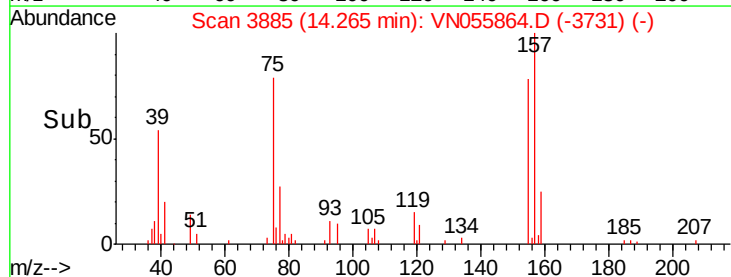
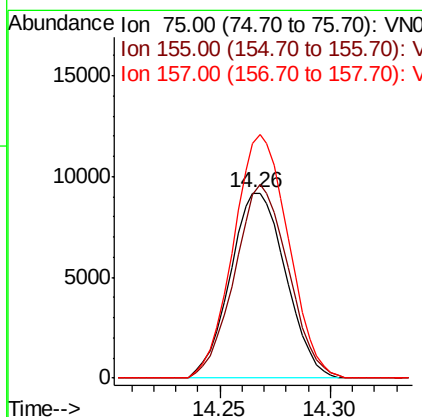
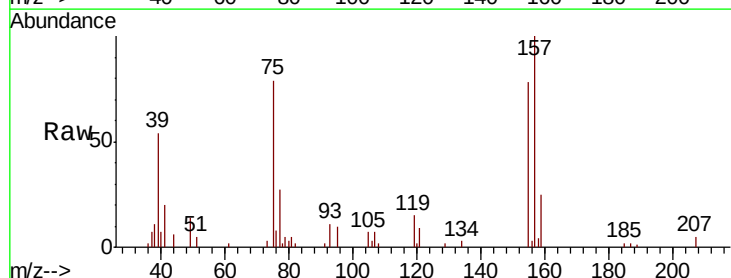
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

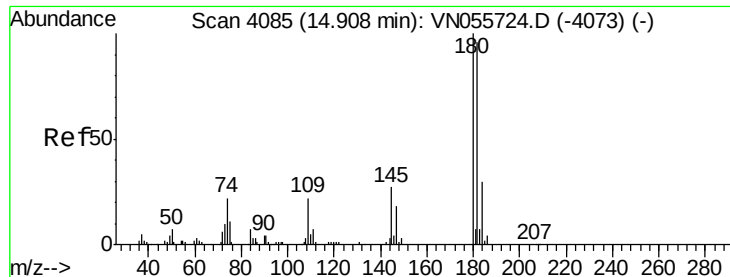
Tot Ion:146 Resp: 132047
 Ion Ratio Lower Upper
 146 100
 111 37.8 19.2 57.6
 148 63.5 32.7 98.1



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 17.147 ug/l
 RT: 14.26 min Scan# 3885
 Delta R.T. -0.00 min
 Lab File: VN055864.D
 Acq: 29 May 2019 9:24

Tgt Ion: 75 Resp: 16028
 Ion Ratio Lower Upper
 75 100
 155 101.1 78.4 117.6
 157 129.9 105.0 157.4

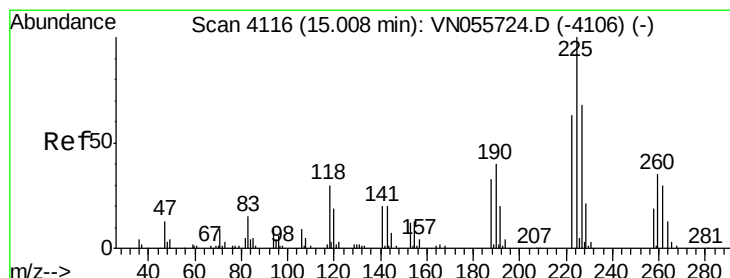
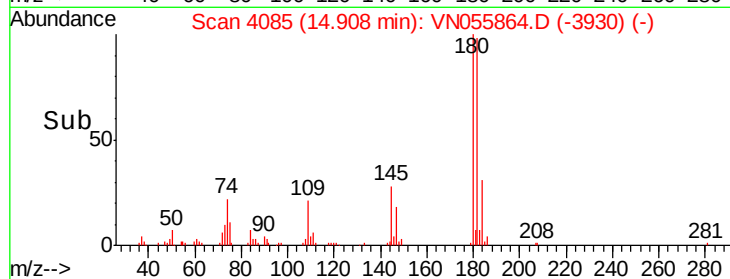
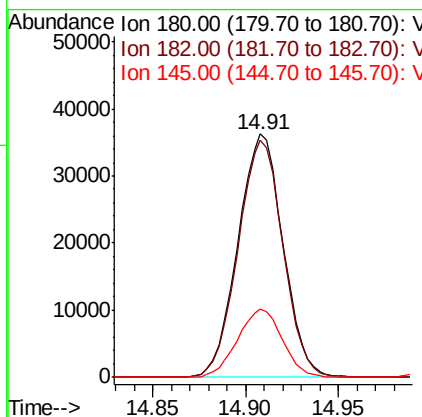
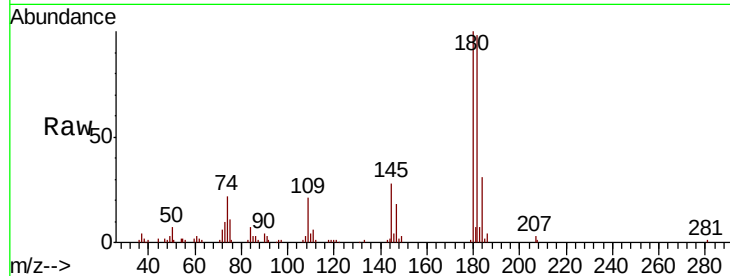




#89
 1,2,4-Trichlorobenzene
 Concen: 16.913 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN055864.D
 Acq: 29 May 2019 9:24

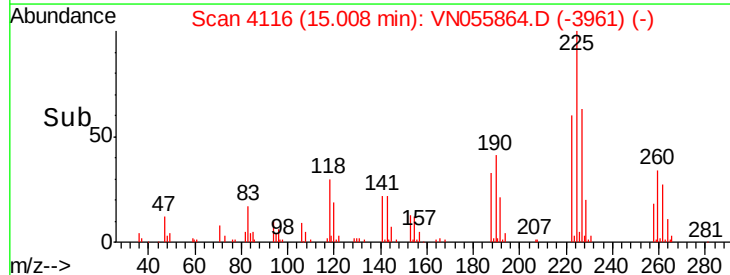
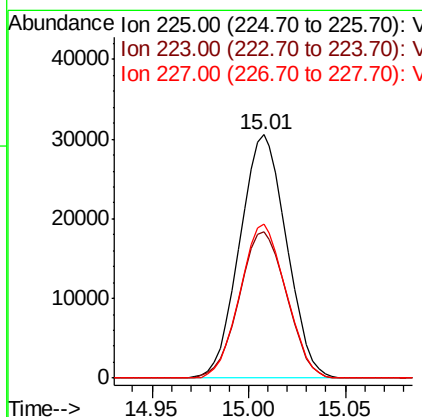
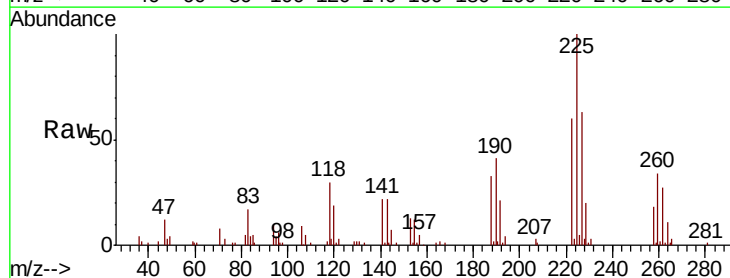
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

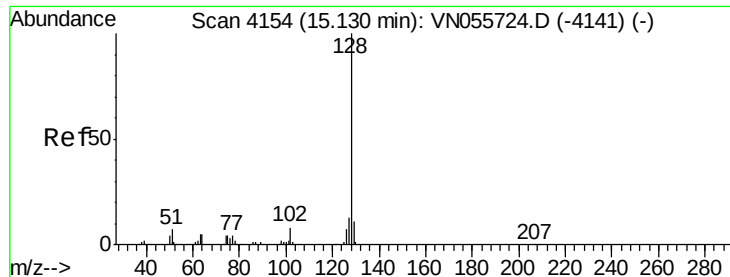
Tot Ion:180 Resp: 61096
 Ion Ratio Lower Upper
 180 100
 182 97.1 76.1 114.1
 145 27.8 21.8 32.8



#90
 Hexachlorobutadiene
 Concen: 19.106 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN055864.D
 Acq: 29 May 2019 9:24

Tgt Ion:225 Resp: 51497
 Ion Ratio Lower Upper
 225 100
 223 60.8 0.0 126.0
 227 62.1 0.0 133.0

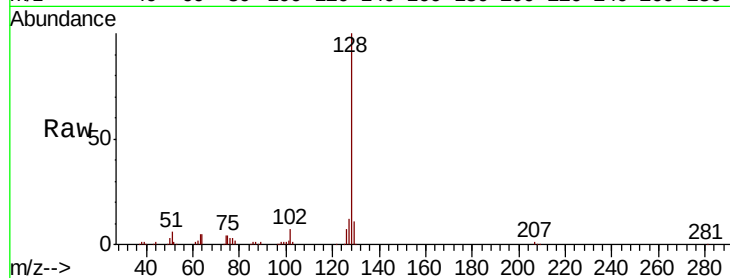




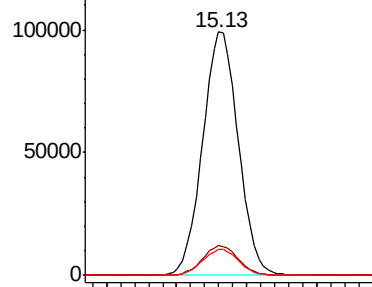
#91
Naphthalene
Concen: 17.791 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. -0.00 min
Lab File: VN055864.D
Acq: 29 May 2019 9:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

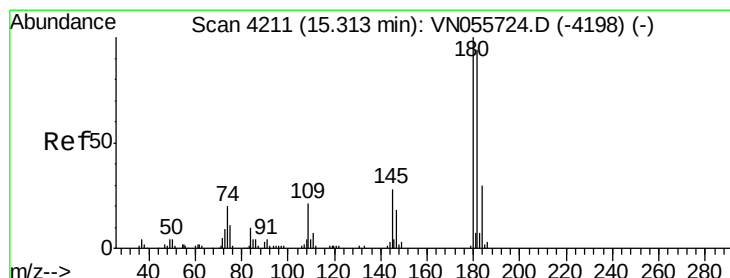
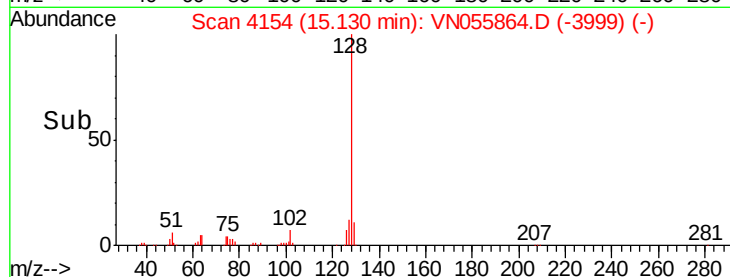
Tot Ion:128 Resp: 175600
Ion Ratio Lower Upper
128 100
127 12.2 10.0 15.0
129 10.9 8.7 13.1



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

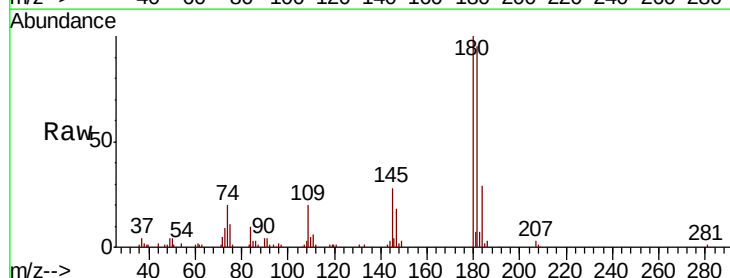


Time--> 15.05 15.10 15.15 15.20

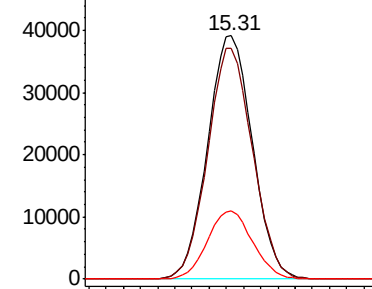


#92
1,2,3-Trichlorobenzene
Concen: 18.743 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. -0.00 min
Lab File: VN055864.D
Acq: 29 May 2019 9:24

Tgt Ion:180 Resp: 70763
Ion Ratio Lower Upper
180 100
182 94.9 0.0 188.6
145 28.3 0.0 56.8



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



Time--> 15.25 15.30 15.35

