

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071819\
 Data File : VN056809.D
 Acq On : 18 Jul 2019 12:52
 Operator : JC/SP
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Quant Time: Jul 19 05:32:26 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N071319W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Jul 12 23:58:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.19	128	49475	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	267728	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	233638	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	99520	29.70	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	99.00%
60) 4-Bromofluorobenzene	12.40	95	107635	30.10	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	100.33%
63) Toluene-d8	10.09	98	324174	30.37	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.23%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	57436	20.430 ug/l	96
3) Chloromethane	2.06	50	75843	20.172 ug/l	99
4) Vinyl Chloride	2.18	62	74057	20.025 ug/l	97
5) Bromomethane	2.55	94	45985	19.728 ug/l	98
6) Chloroethane	2.69	64	41795	19.779 ug/l	99
7) Trichlorofluoromethane	3.01	101	96528	20.351 ug/l	96
8) Diethyl Ether	3.41	74	38432	19.813 ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.75	101	59728	20.194 ug/l	98
10) 1,1-Dichloroethene	3.73	96	58104	19.913 ug/l	93
11) Methyl Iodide	3.95	142	71859	18.531 ug/l	99
12) Methyl Acetate	4.33	43	73055	18.703 ug/l	97
13) Acrolein	3.60	56	30867	112.087 ug/l	97
14) Acrylonitrile	4.99	53	173054	100.574 ug/l	98
15) Acetone	3.82	58	54459	91.689 ug/l	98
16) Carbon Disulfide	4.05	76	143754	18.679 ug/l	99
17) Allyl chloride	4.32	41	98848	19.366 ug/l	96
18) Methylene Chloride	4.55	84	68254	19.923 ug/l	98
19) trans-1,2-Dichloroethene	5.04	96	61339	19.636 ug/l	96
20) Diisopropyl ether	5.95	45	207216	20.374 ug/l	99
21) 1,1-Dichloroethane	5.85	63	117786	20.269 ug/l	99
22) cis-1,2-Dichloroethene	6.83	96	73396	20.093 ug/l	100
23) tert-Butyl Alcohol	4.79	59	60952	101.548 ug/l	# 100
24) Methyl tert-Butyl Ether	5.05	73	187506	20.147 ug/l	100
25) Chloroform	7.37	83	116212	20.526 ug/l	100
26) Cyclohexane	7.65	56	105157	19.468 ug/l	# 98
29) 1,1-Dichloropropene	7.79	75	85352	20.056 ug/l	99
30) 2-Butanone	6.84	43	239954	97.385 ug/l	100
31) 2,2-Dichloropropane	6.82	77	86022	20.886 ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	94030	20.728 ug/l	99
33) Carbon Tetrachloride	7.77	117	79770	20.435 ug/l	98
34) Benzene	8.04	78	271427	20.758 ug/l	99
35) Methacrylonitrile	7.17	41	35839	19.039 ug/l	98
36) 1,2-Dichloroethane	8.12	62	87268	20.776 ug/l	100
37) Trichloroethene	8.83	130	72044	20.287 ug/l	97
38) Methylcyclohexane	9.08	83	105071	19.544 ug/l	99
39) 1,2-Dichloropropane	9.12	63	72858	20.758 ug/l	97
40) Dibromomethane	9.21	93	46193	20.663 ug/l	99

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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	84045	20.399	ug/l	99
42) Vinyl Acetate	5.90	43	843862	102.904	ug/l	100
43) Ethyl Acetate	6.93	43	89801	20.168	ug/l	96
44) Isopropyl Acetate	8.17	43	137509	19.801	ug/l #	87
45) 1,4-Dioxane	9.20	88	30034	427.481	ug/l	95
46) Methyl methacrylate	9.20	41	66077	19.805	ug/l	95
47) n-amyl Acetate	12.07	43	106987	18.837	ug/l	99
48) t-1,3-Dichloropropene	10.38	75	89207	19.684	ug/l	97
49) cis-1,3-Dichloropropene	9.84	75	103890	20.320	ug/l	95
50) 1,1,2-Trichloroethane	10.56	97	68811	21.127	ug/l	99
51) Ethyl methacrylate	10.43	69	99687	19.899	ug/l	99
52) 1,3-Dichloropropane	10.71	76	114970	21.097	ug/l	100
53) Dibromochloromethane	10.90	129	67094	20.383	ug/l	98
54) 1,2-Dibromoethane	11.00	107	69212	20.447	ug/l	98
55) 2-Chloroethyl vinyl ether	9.69	63	231553	95.581	ug/l	99
56) Bromoform	12.13	173	48072	19.728	ug/l	97
58) 4-Methyl-2-Pentanone	9.98	43	456261	103.757	ug/l	100
59) 2-Hexanone	10.75	43	329993	98.860	ug/l	99
61) Tetrachloroethene	10.63	164	73973	22.034	ug/l	98
62) Toluene	10.16	91	285772	20.825	ug/l	99
64) Chlorobenzene	11.43	112	171450	20.485	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.51	131	65323	21.288	ug/l	99
66) Ethyl Benzene	11.51	91	299783	20.210	ug/l	99
67) m/p-Xylenes	11.62	106	228406	40.802	ug/l	99
68) o-Xylene	11.95	106	112369	20.580	ug/l	98
69) Styrene	11.96	104	179520	19.842	ug/l	99
70) Isopropylbenzene	12.25	105	293405	20.501	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.50	83	97393	20.966	ug/l	100
72) 1,2,3-Trichloropropane	12.55	75	114609	28.867	ug/l	65
73) Bromobenzene	12.53	156	75633	20.223	ug/l	99
74) n-propylbenzene	12.59	91	321009	19.881	ug/l	99
75) 2-Chlorotoluene	12.67	91	194153	19.965	ug/l	99
76) 1,3,5-Trimethylbenzene	12.73	105	248884	20.388	ug/l	100
77) t-1,4-Dichloro-2-butene	12.30	75	24143	18.293	ug/l	96
78) 4-Chlorotoluene	12.77	91	183245	19.432	ug/l	98
79) tert-butylbenzene	12.99	119	212945	20.506	ug/l	99
80) 1,2,4-Trimethylbenzene	13.04	105	244098	20.162	ug/l	99
81) sec-Butylbenzene	13.17	105	274664	19.982	ug/l	100
82) p-Isopropyltoluene	13.29	119	250128	20.009	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	120083	19.264	ug/l	100
84) 1,4-Dichlorobenzene	13.36	146	110915	18.563	ug/l	99
85) n-Butylbenzene	13.61	91	188459	18.277	ug/l	99
86) Hexachloroethane	13.87	117	39812	20.298	ug/l	99
87) 1,2-Dichlorobenzene	13.65	146	123921	19.782	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	14.27	75	15223	18.994	ug/l	96
89) 1,2,4-Trichlorobenzene	14.91	180	52379	15.545	ug/l	96
90) Hexachlorobutadiene	15.01	225	44330	20.236	ug/l	98
91) Naphthalene	15.13	128	128593	14.190	ug/l	100
92) 1,2,3-Trichlorobenzene	15.31	180	56583	16.015	ug/l	99

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QLast Update : Fri Jul 12 23:58:13 2019
Response via : Initial Calibration

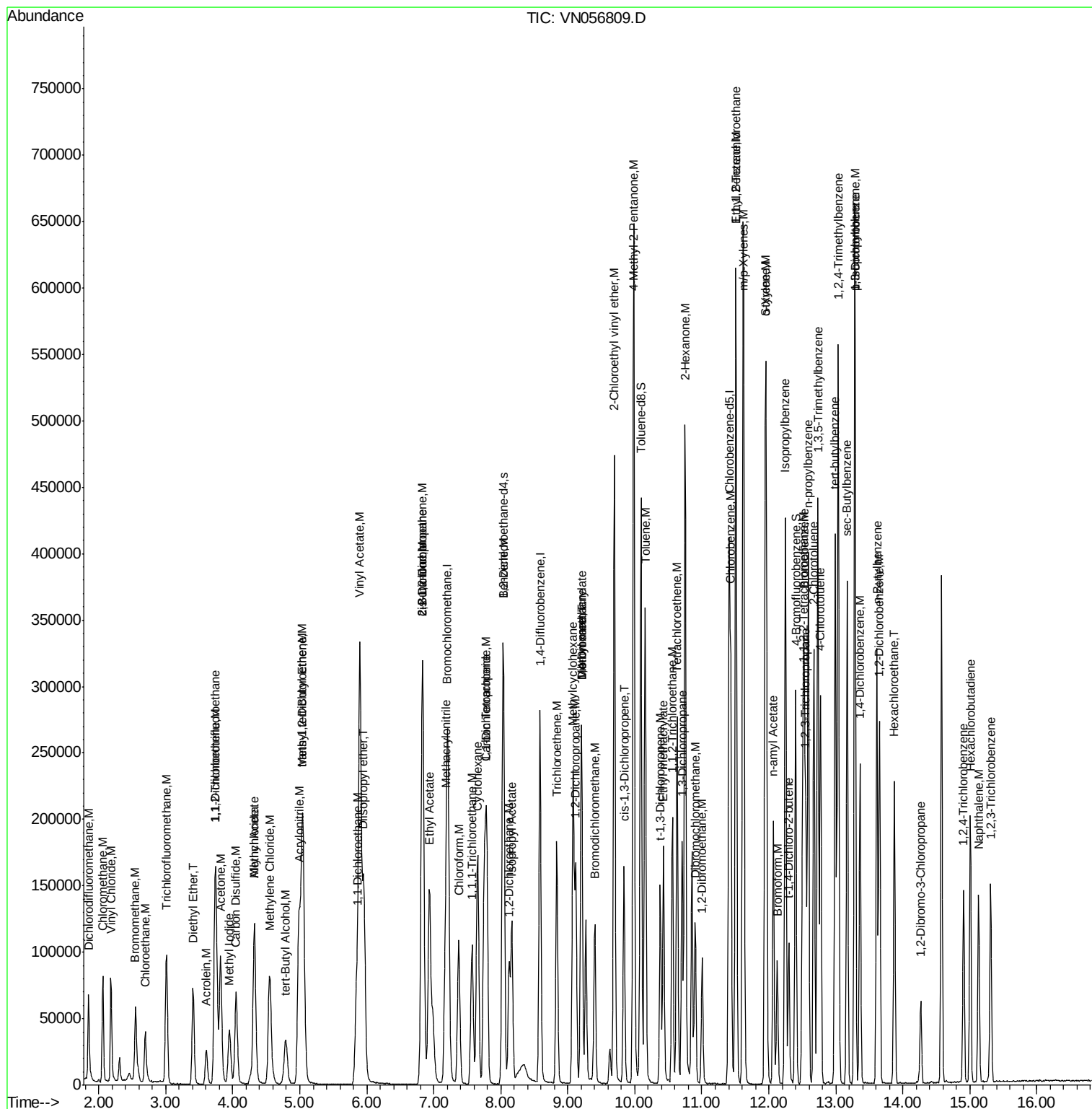
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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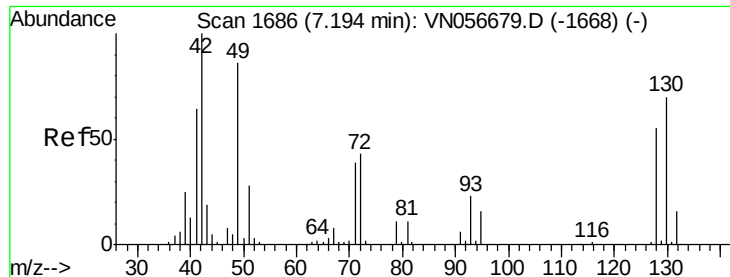
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
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 ClientSampleId :
 VSTDCCC020EC

Quant Time: Jul 19 05:32:26 2019
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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Jul 12 23:58:13 2019
 Response via : Initial Calibration





#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VN056809.D

Acq: 18 Jul 2019 12:52

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

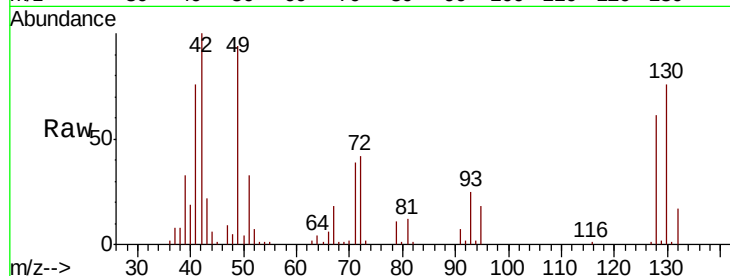
Tot Ion:128 Resp: 49475

Ion Ratio Lower Upper

128 100

49 157.3 0.0 390.5

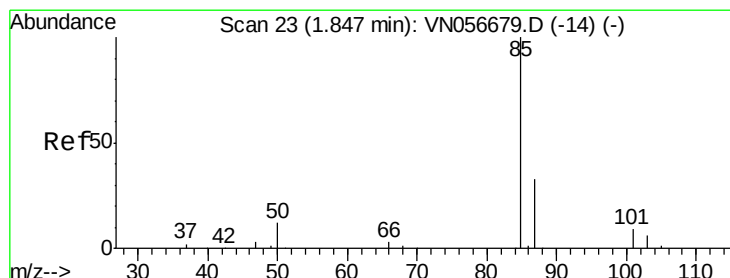
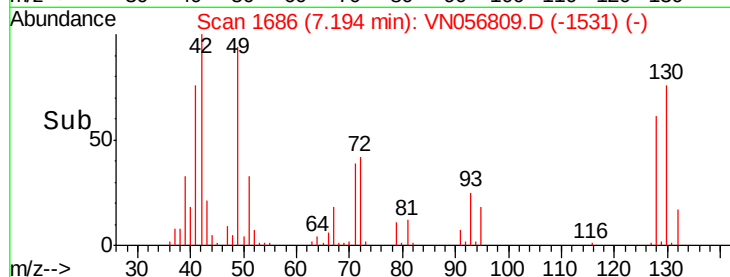
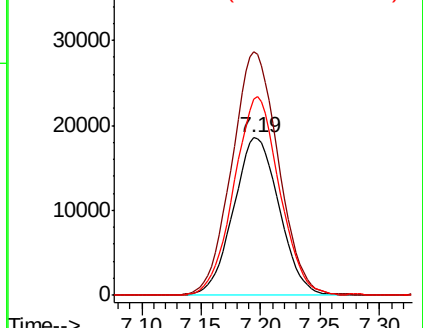
130 125.4 0.0 316.5



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VN0

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 20.430 ug/l

RT: 1.85 min Scan# 23

Delta R.T. -0.00 min

Lab File: VN056809.D

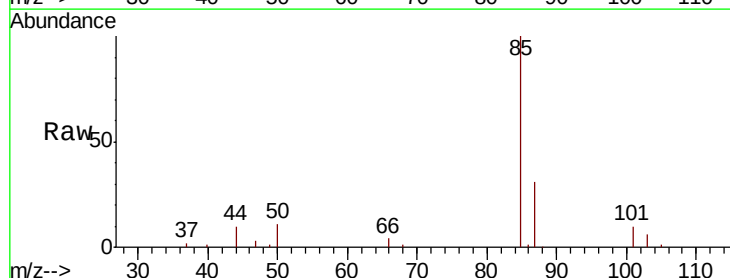
Acq: 18 Jul 2019 12:52

Tgt Ion: 85 Resp: 57436

Ion Ratio Lower Upper

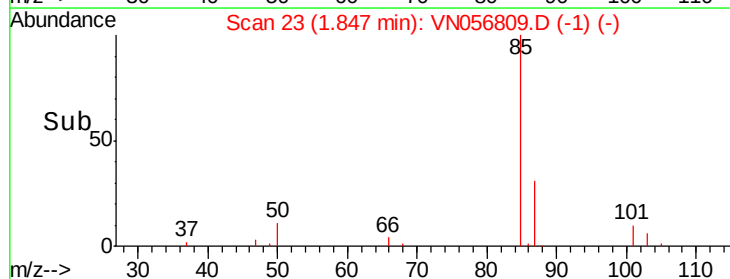
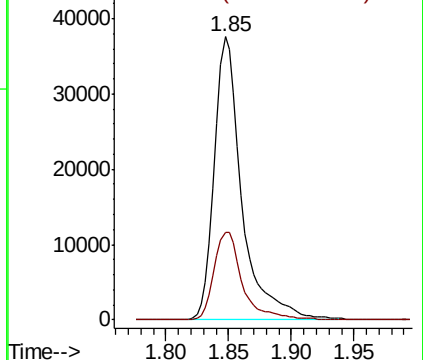
85 100

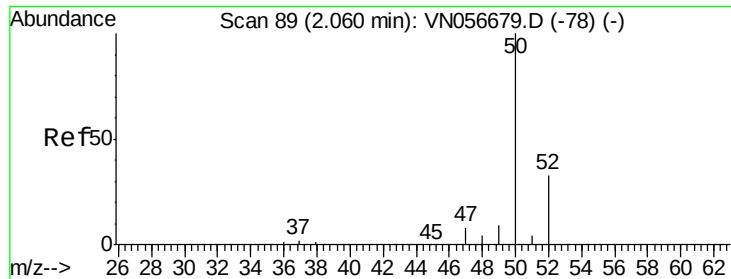
87 31.1 16.8 50.3



Abundance Ion 85.00 (84.70 to 85.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

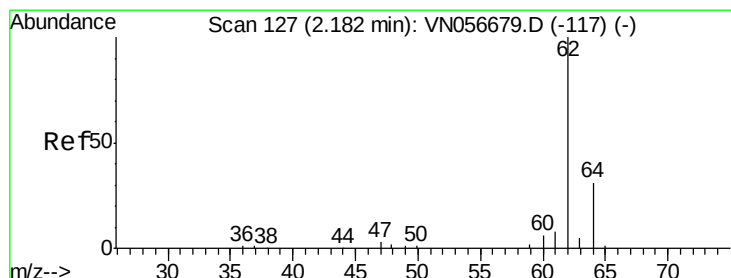
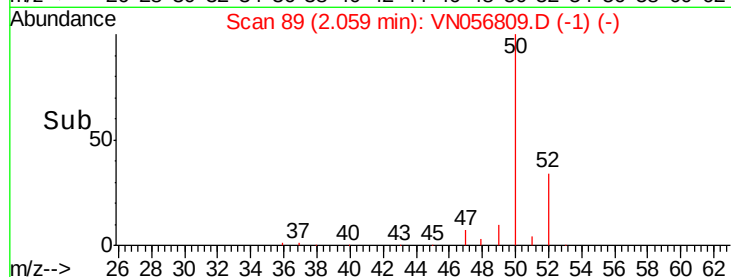
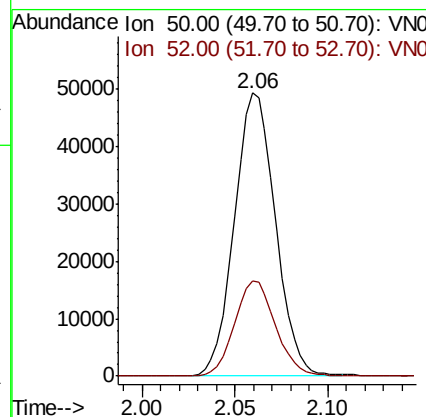
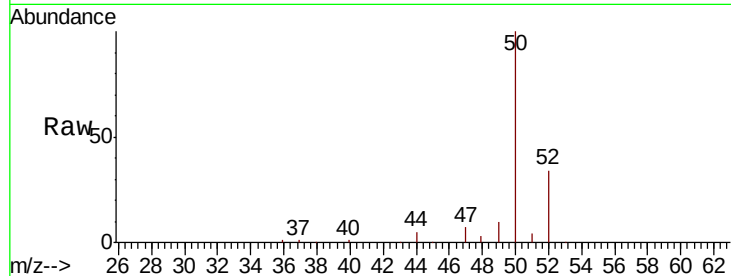




#3
Chloromethane
Concen: 20.172 ug/l
RT: 2.06 min Scan# 89
Delta R.T. -0.00 min
Lab File: VN056809.D
Acq: 18 Jul 2019 12:52

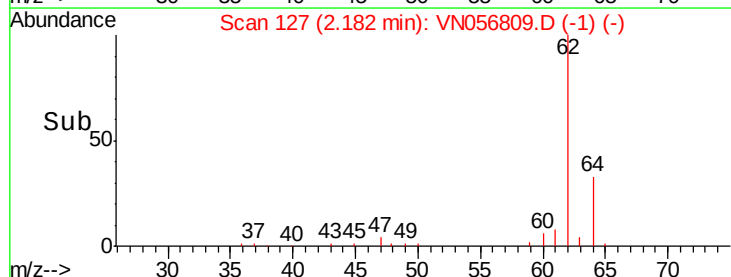
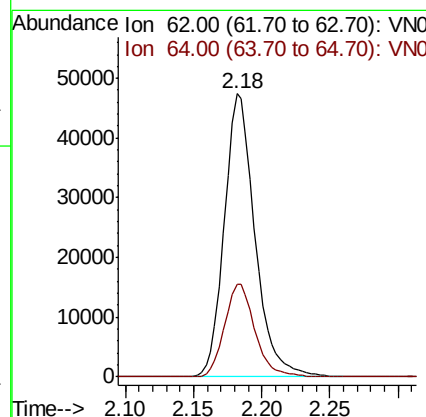
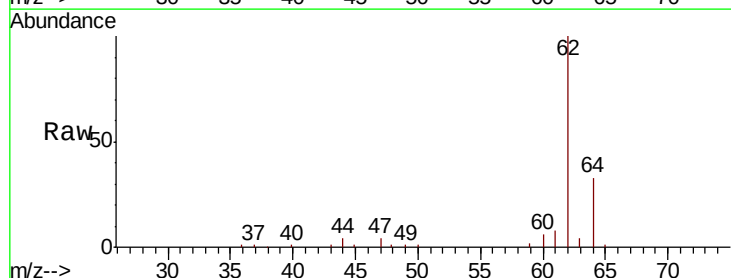
Instrument :
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VSTDCCC020EC

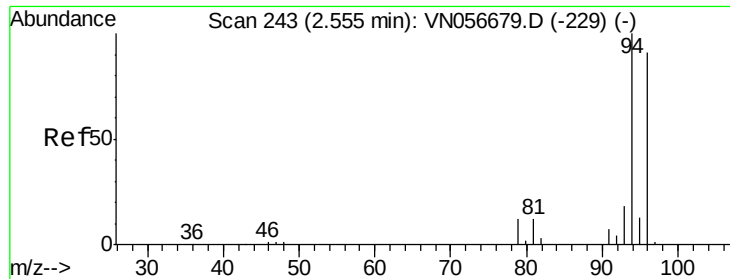
Tot Ion: 50 Resp: 75843
Ion Ratio Lower Upper
50 100
52 33.7 26.5 39.7



#4
Vinyl Chloride
Concen: 20.025 ug/l
RT: 2.18 min Scan# 127
Delta R.T. -0.00 min
Lab File: VN056809.D
Acq: 18 Jul 2019 12:52

Tgt Ion: 62 Resp: 74057
Ion Ratio Lower Upper
62 100
64 32.6 25.0 37.4





#5

Bromomethane

Concen: 19.728 ug/l

RT: 2.55 min Scan# 241

Delta R.T. -0.01 min

Lab File: VN056809.D

Acq: 18 Jul 2019 12:52

Instrument :

MSVOA_N

ClientSampleId :

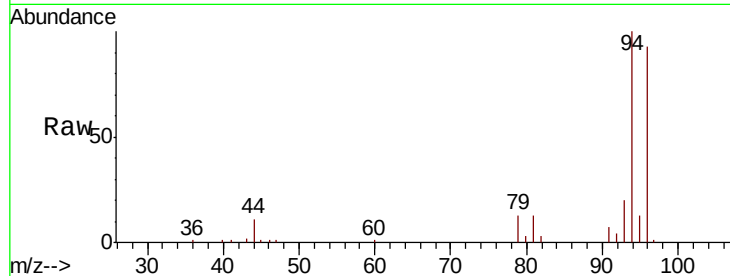
VSTDCCC020EC

Tot Ion: 94 Resp: 45985

Ion Ratio Lower Upper

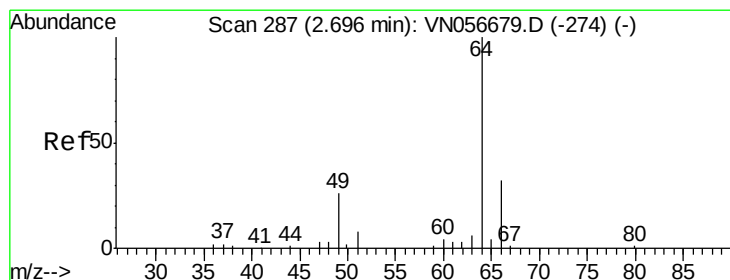
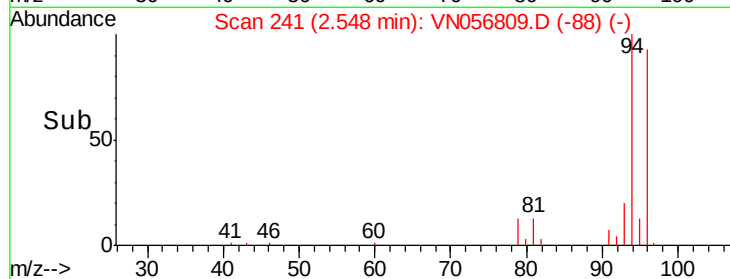
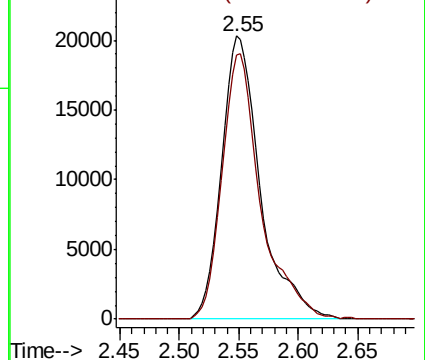
94 100

96 93.2 72.8 109.2



Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0



#6

Chloroethane

Concen: 19.779 ug/l

RT: 2.69 min Scan# 286

Delta R.T. -0.00 min

Lab File: VN056809.D

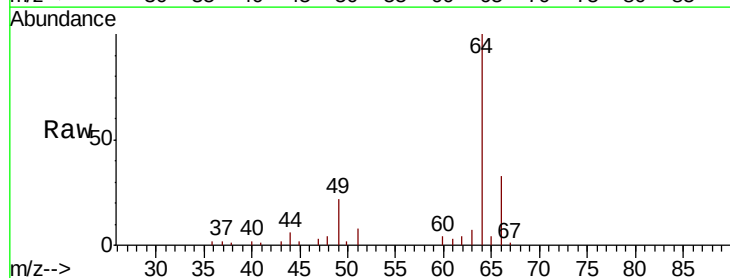
Acq: 18 Jul 2019 12:52

Tgt Ion: 64 Resp: 41795

Ion Ratio Lower Upper

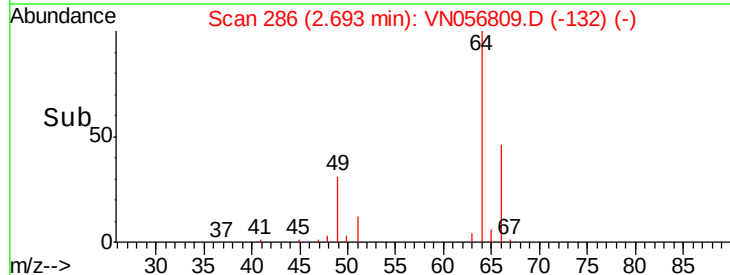
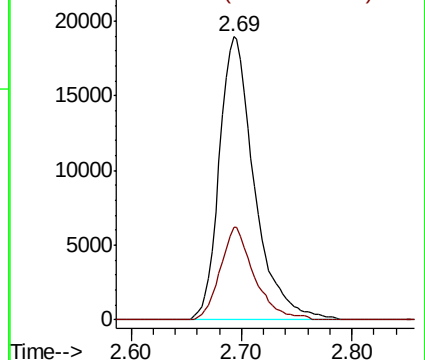
64 100

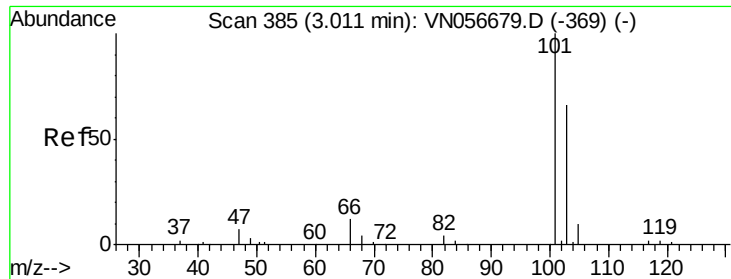
66 32.5 25.7 38.5



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0



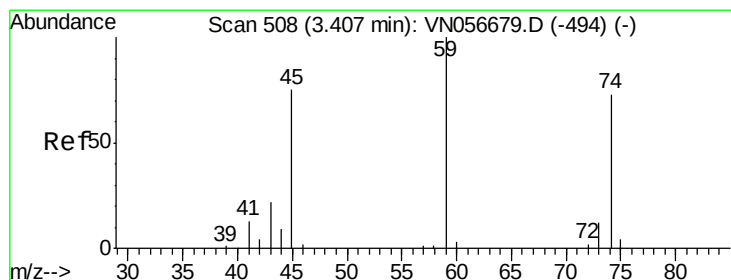
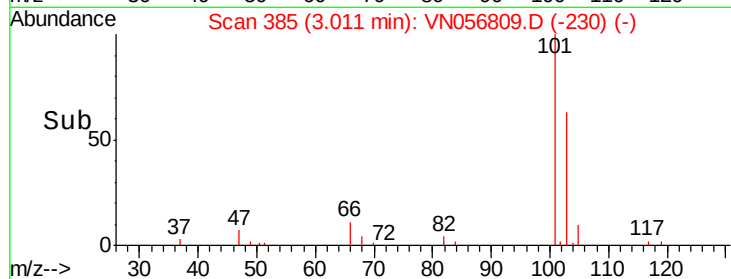
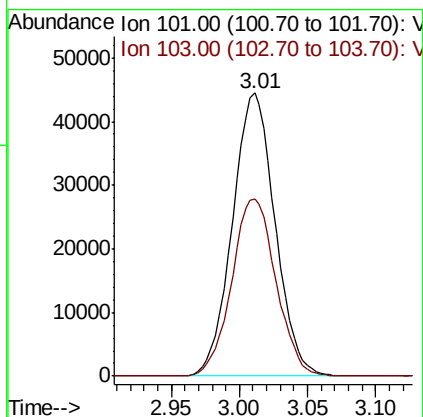
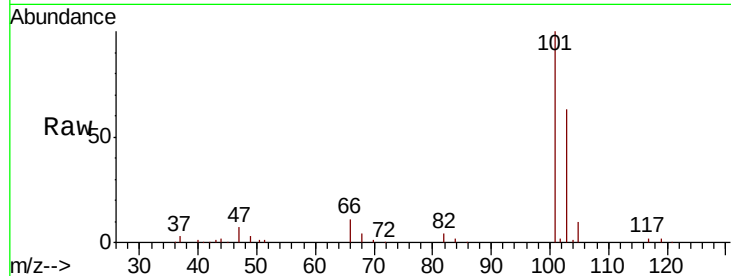


#7

Trichlorofluoromethane
 Concen: 20.351 ug/l
 RT: 3.01 min Scan# 385
 Delta R.T. -0.00 min
 Lab File: VN056809.D
 Acq: 18 Jul 2019 12:52

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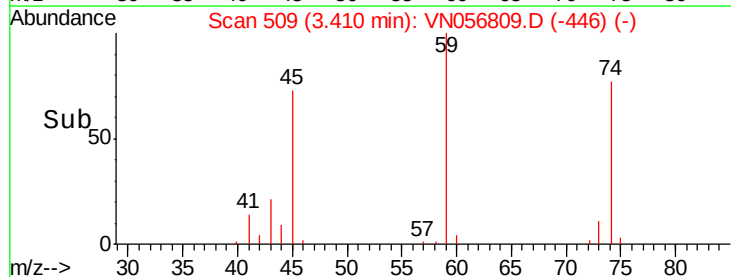
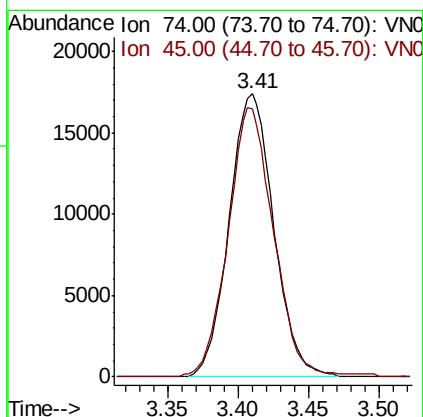
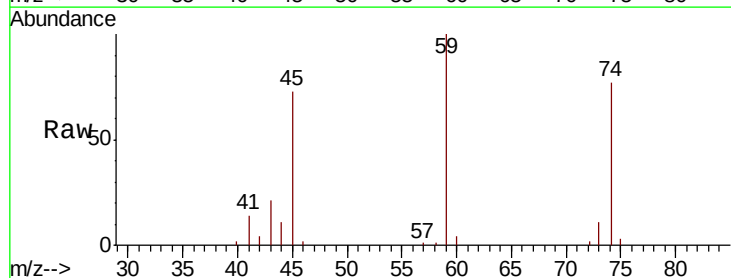
Tot Ion:101 Resp: 96528
 Ion Ratio Lower Upper
 101 100
 103 62.8 52.8 79.2

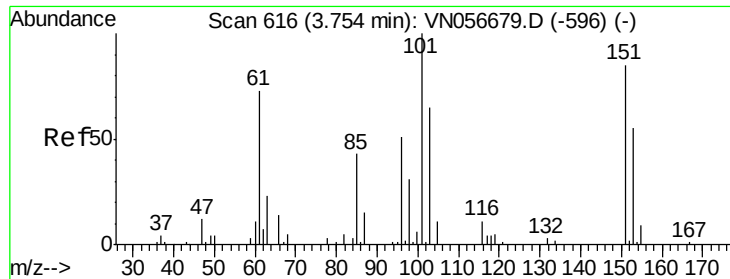


#8

Diethyl Ether
 Concen: 19.813 ug/l
 RT: 3.41 min Scan# 509
 Delta R.T. 0.00 min
 Lab File: VN056809.D
 Acq: 18 Jul 2019 12:52

Tgt Ion: 74 Resp: 38432
 Ion Ratio Lower Upper
 74 100
 45 96.7 19.9 179.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.194 ug/l

RT: 3.75 min Scan# 616

Delta R.T. -0.00 min

Lab File: VN056809.D

Acq: 18 Jul 2019 12:52

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

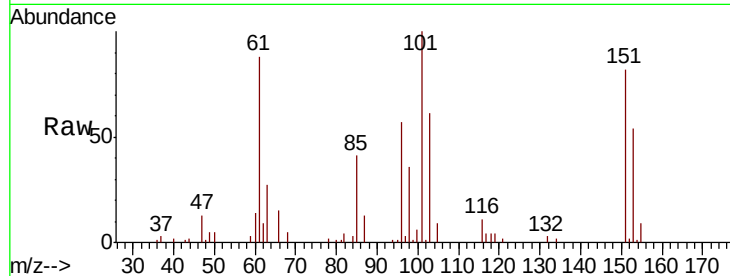
Tot Ion:101 Resp: 59728

Ion Ratio Lower Upper

101 100

85 40.9 0.0 84.2

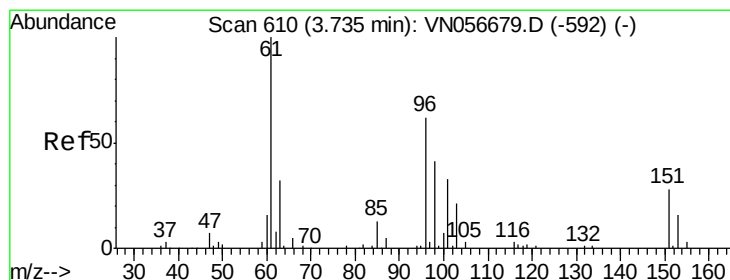
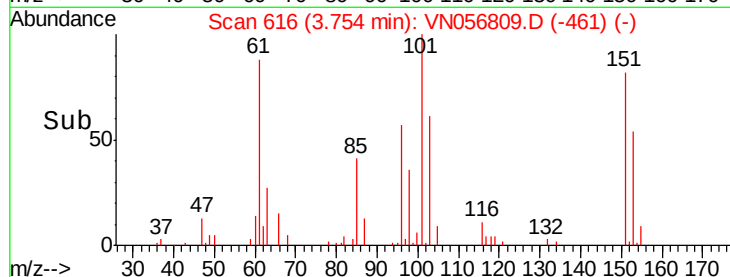
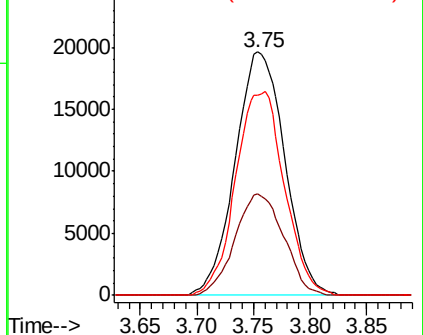
151 82.5 0.0 167.6



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VN

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 19.913 ug/l

RT: 3.73 min Scan# 609

Delta R.T. -0.00 min

Lab File: VN056809.D

Acq: 18 Jul 2019 12:52

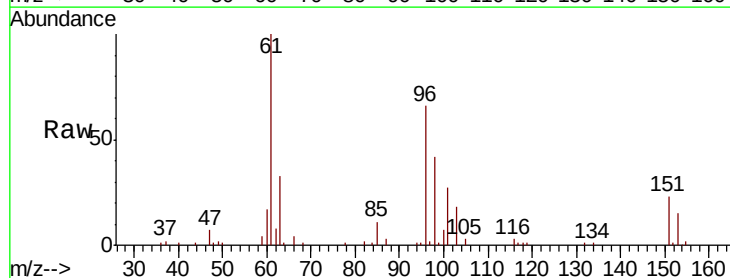
Tgt Ion: 96 Resp: 58104

Ion Ratio Lower Upper

96 100

61 150.6 129.0 193.4

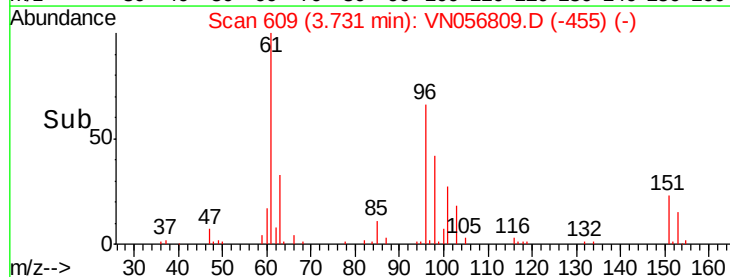
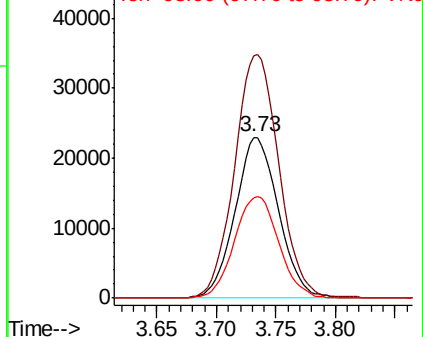
98 62.6 52.5 78.7

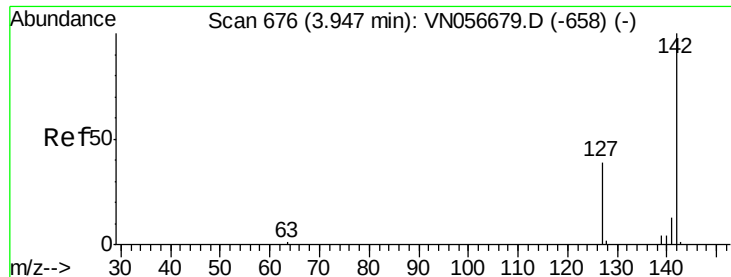


Abundance Ion 96.00 (95.70 to 96.70): VN

Ion 61.00 (60.70 to 61.70): VN

Ion 98.00 (97.70 to 98.70): VN

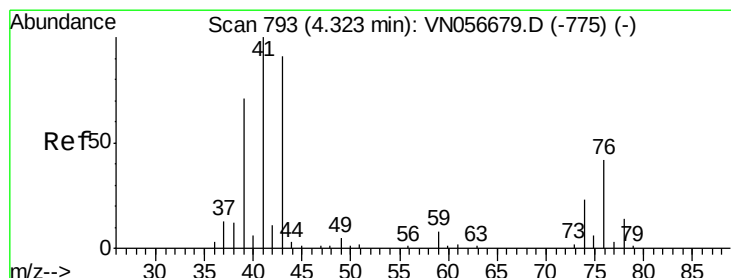
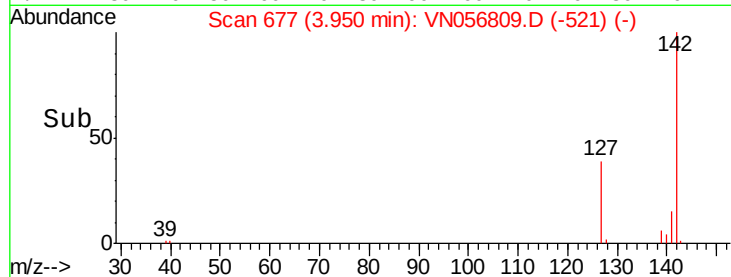
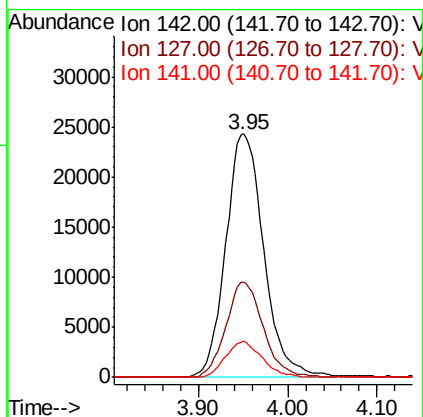
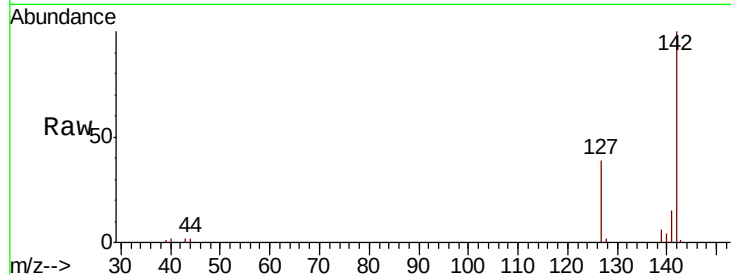




#11
Methvl Iodide
Concen: 18.531 ug/l
RT: 3.95 min Scan# 677
Delta R.T. 0.00 min
Lab File: VN056809.D
Acq: 18 Jul 2019 12:52

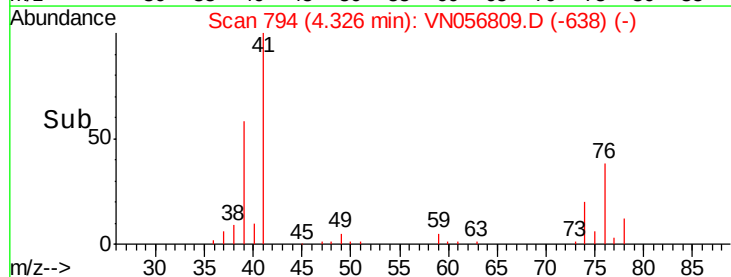
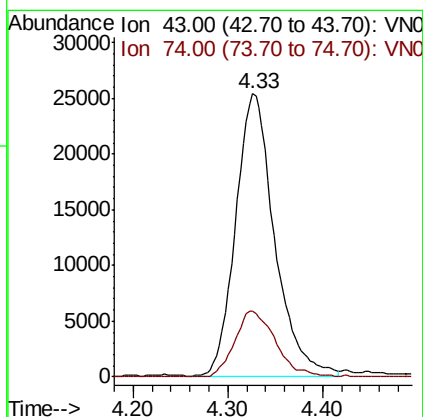
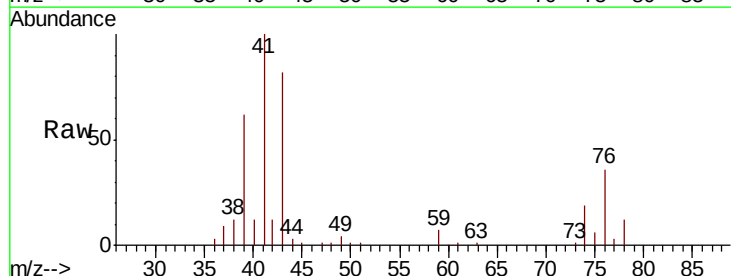
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

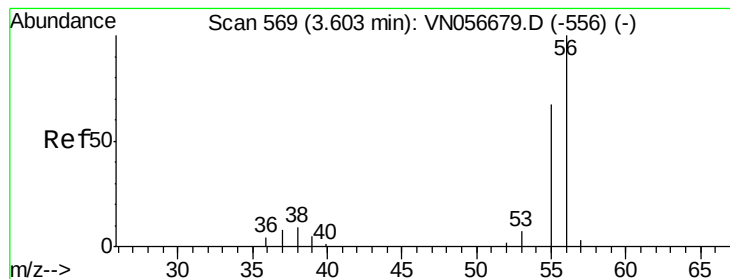
Tot Ion:142 Resp: 71859
Ion Ratio Lower Upper
142 100
127 39.0 19.5 58.5
141 15.0 6.8 20.3



#12
Methyl Acetate
Concen: 18.703 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN056809.D
Acq: 18 Jul 2019 12:52

Tgt Ion: 43 Resp: 73055
Ion Ratio Lower Upper
43 100
74 23.6 20.2 30.4





#13

Acrolein

Concen: 112.087 ug/l

RT: 3.60 min Scan# 569

Delta R.T. -0.00 min

Lab File: VN056809.D

Acq: 18 Jul 2019 12:52

Instrument :

MSVOA_N

ClientSampleId :

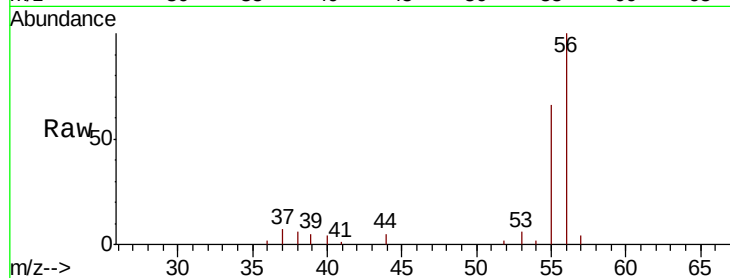
VSTDCCC020EC

Tot Ion: 56 Resp: 30867

Ion Ratio Lower Upper

56 100

55 68.9 56.9 85.3



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

3.60

15000

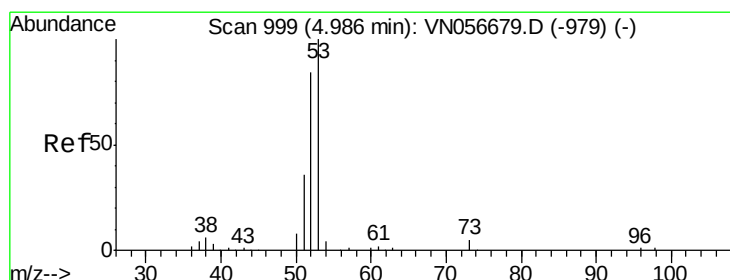
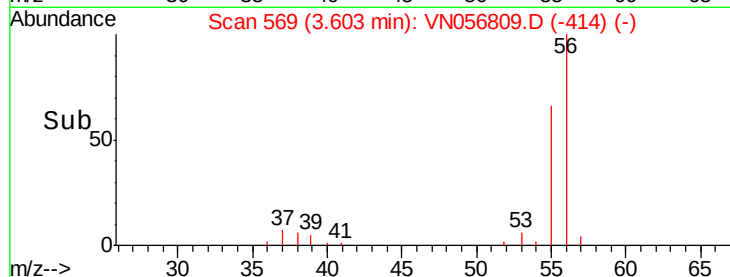
10000

5000

0

Time-->

3.50 3.55 3.60 3.65 3.70



#14

Acrylonitrile

Concen: 100.574 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN056809.D

Acq: 18 Jul 2019 12:52

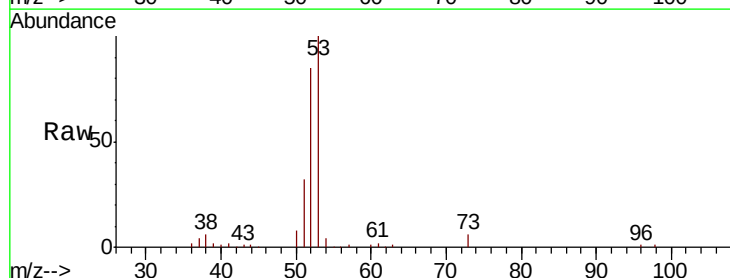
Tgt Ion: 53 Resp: 173054

Ion Ratio Lower Upper

53 100

52 80.8 41.3 123.7

51 34.4 17.7 53.1



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0

4.99

60000

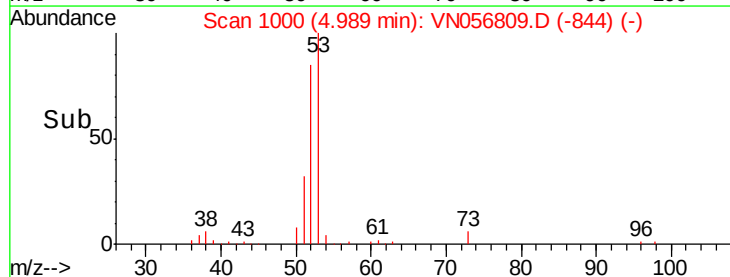
40000

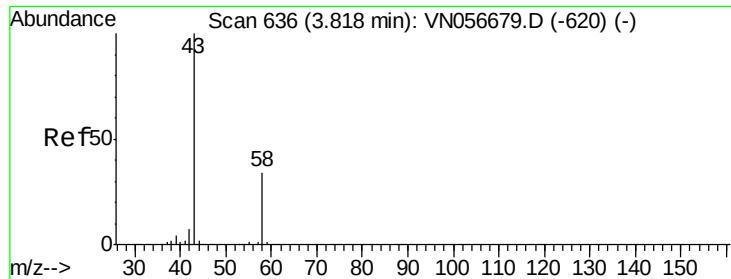
20000

0

Time-->

4.90 5.00 5.10 5.20





#15

Acetone

Concen: 91.689 ug/l

RT: 3.82 min Scan# 636

Delta R.T. -0.00 min

Lab File: VN056809.D

Acq: 18 Jul 2019 12:52

Instrument :

MSVOA_N

ClientSampleId :

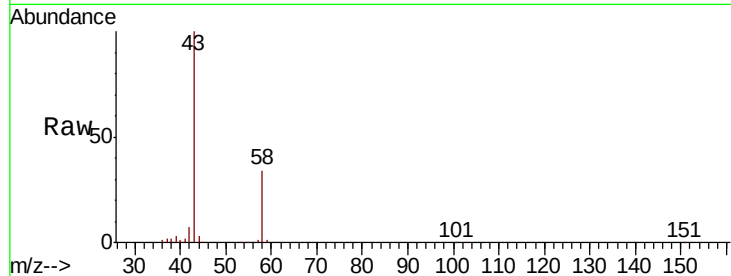
VSTDCCC020EC

Tot Ion: 58 Resp: 54459

Ion Ratio Lower Upper

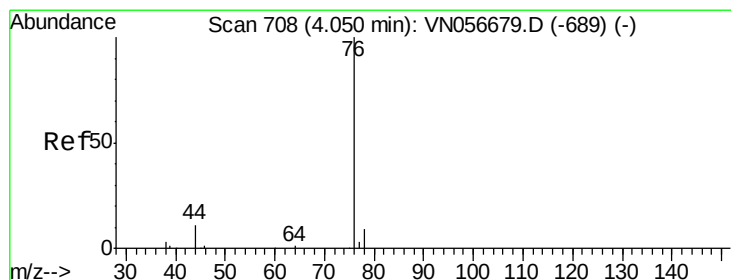
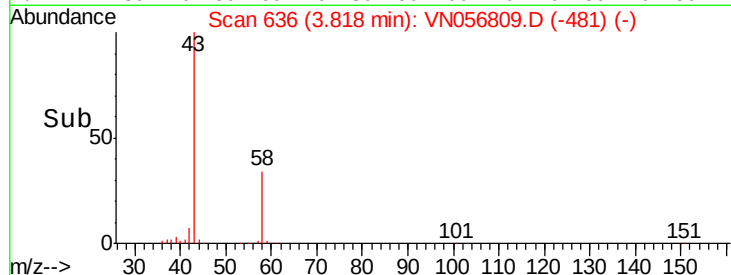
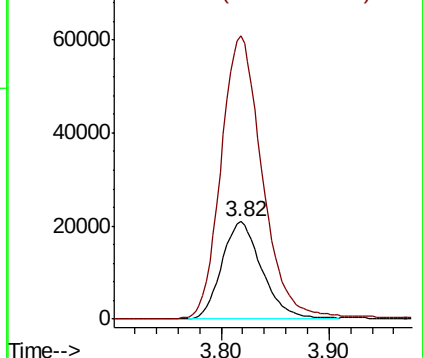
58 100

43 288.6 233.9 350.9



Abundance Ion 58.00 (57.70 to 58.70): VN0

Ion 43.00 (42.70 to 43.70): VN0



#16

Carbon Disulfide

Concen: 18.679 ug/l

RT: 4.05 min Scan# 708

Delta R.T. -0.00 min

Lab File: VN056809.D

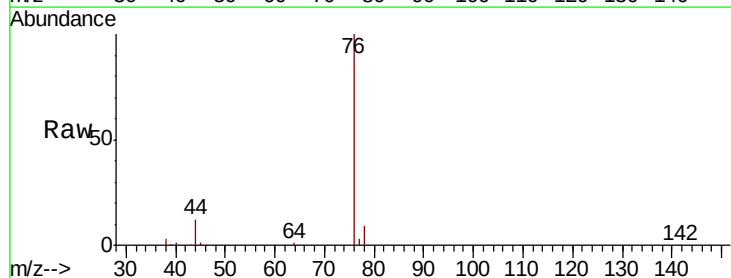
Acq: 18 Jul 2019 12:52

Tgt Ion: 76 Resp: 143754

Ion Ratio Lower Upper

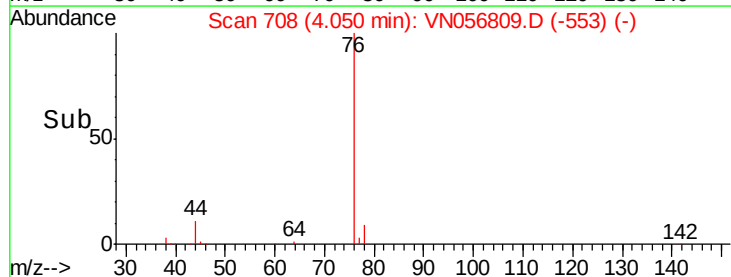
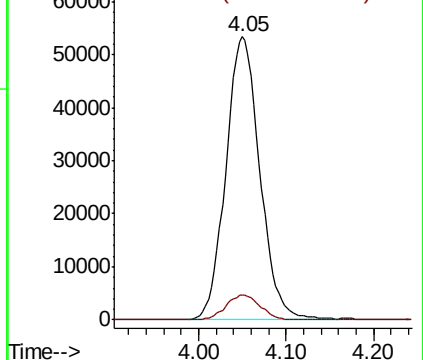
76 100

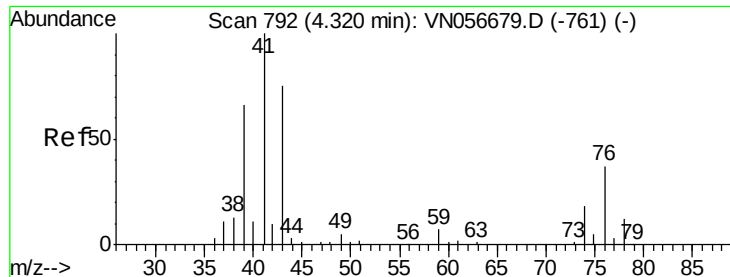
78 8.8 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0

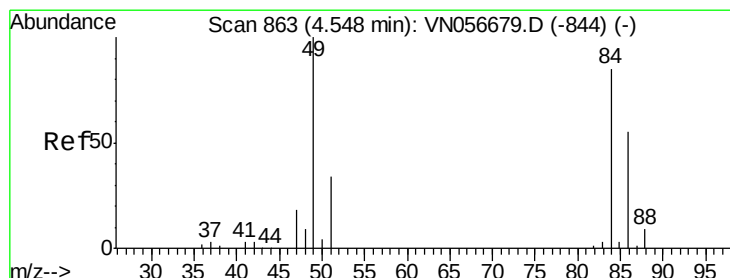
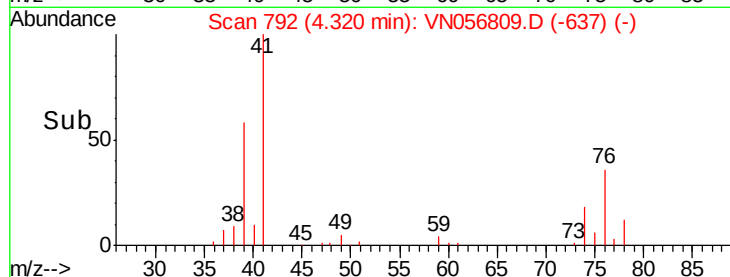
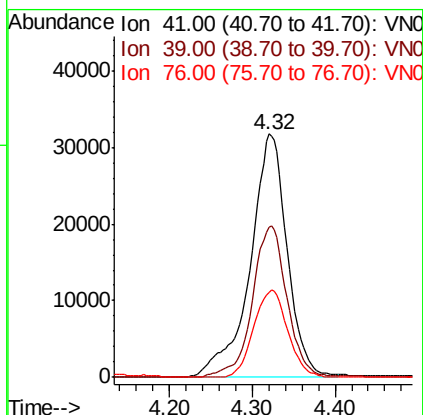
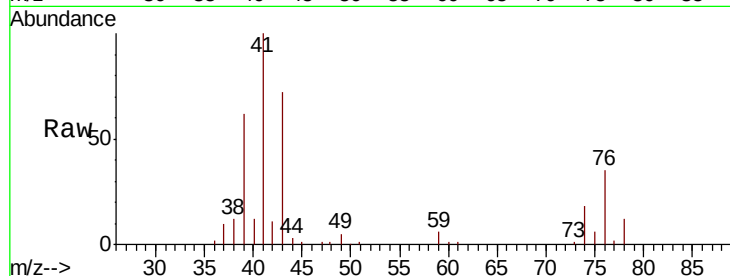




#17
Allvl chloride
Concen: 19.366 ug/l
RT: 4.32 min Scan# 792
Delta R.T. -0.00 min
Lab File: VN056809.D
Acq: 18 Jul 2019 12:52

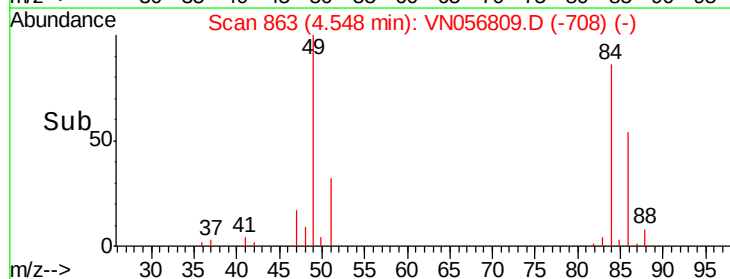
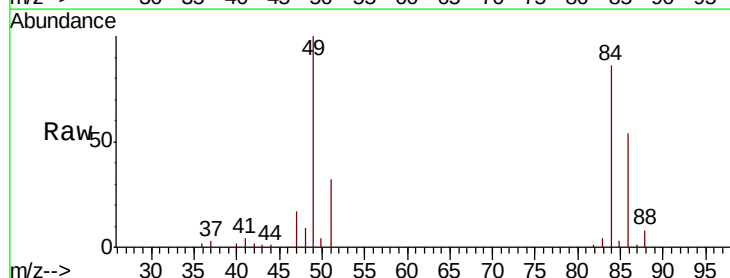
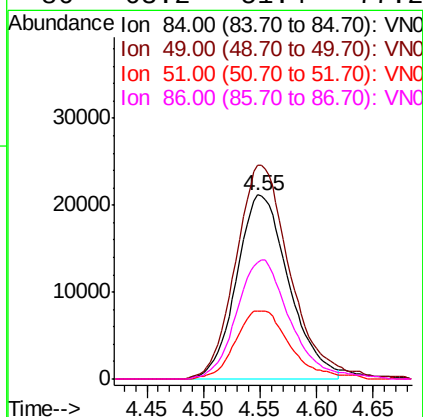
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

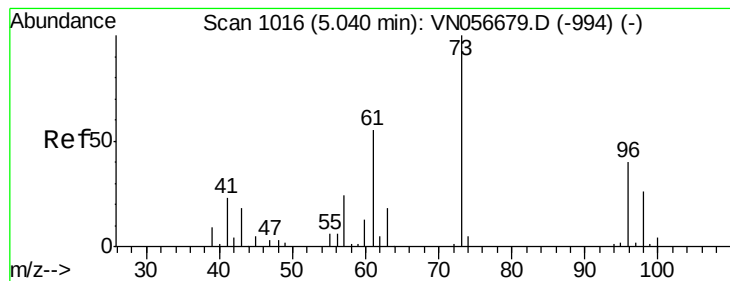
Tot Ion	Ratio	Lower	Upper
41	100		
39	61.8	32.8	98.4
76	34.9	18.5	55.5



#18
Methylene Chloride
Concen: 19.923 ug/l
RT: 4.55 min Scan# 863
Delta R.T. -0.00 min
Lab File: VN056809.D
Acq: 18 Jul 2019 12:52

Tgt Ion	Ratio	Lower	Upper
84	100		
49	115.4	93.9	140.9
51	37.2	31.7	47.5
86	63.2	51.4	77.2





#19

trans-1,2-Dichloroethene

Concen: 19.636 ug/l

RT: 5.04 min Scan# 1016

Delta R.T. -0.00 min

Lab File: VN056809.D

Acq: 18 Jul 2019 12:52

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

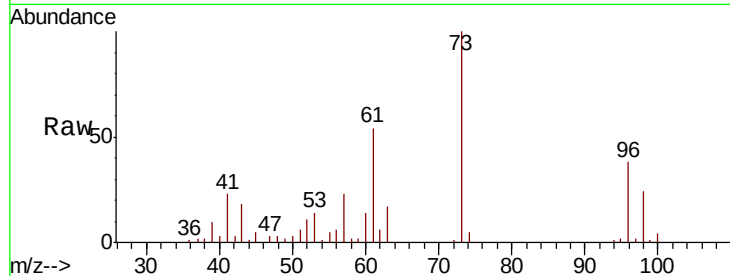
Tot Ion: 96 Resp: 61339

Ion Ratio Lower Upper

96 100

61 143.2 109.6 164.4

98 64.1 51.4 77.2

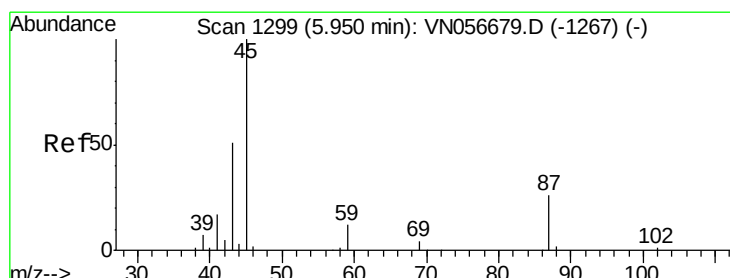
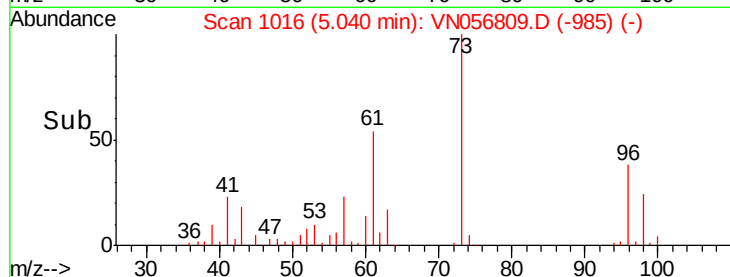
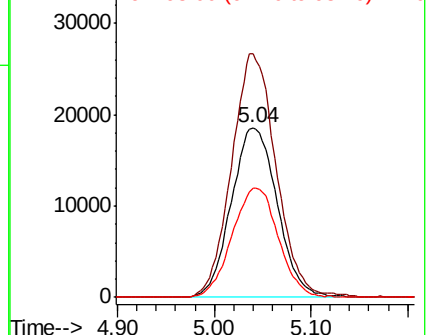


Abundance

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: 20.374 ug/l

RT: 5.95 min Scan# 1300

Delta R.T. 0.00 min

Lab File: VN056809.D

Acq: 18 Jul 2019 12:52

Tgt Ion: 45 Resp: 207216

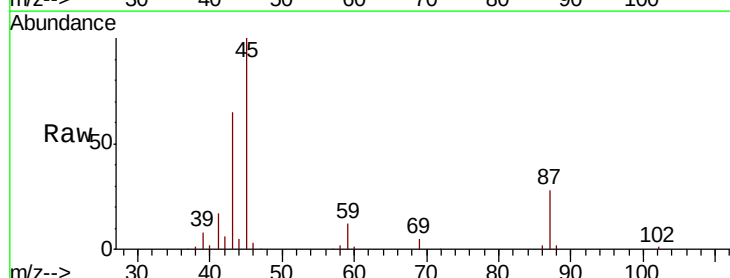
Ion Ratio Lower Upper

45 100

43 63.5 50.3 75.5

87 27.9 21.4 32.0

59 11.3 9.7 14.5



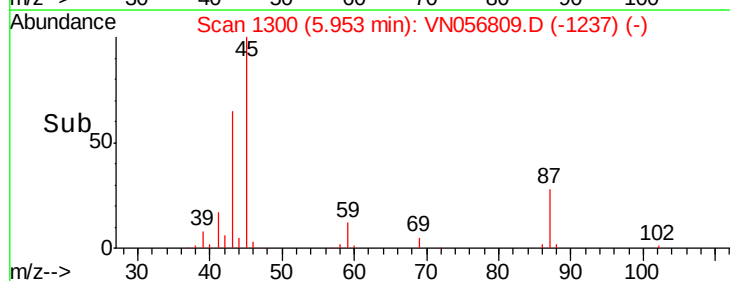
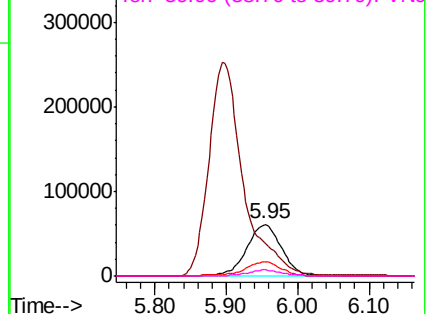
Abundance

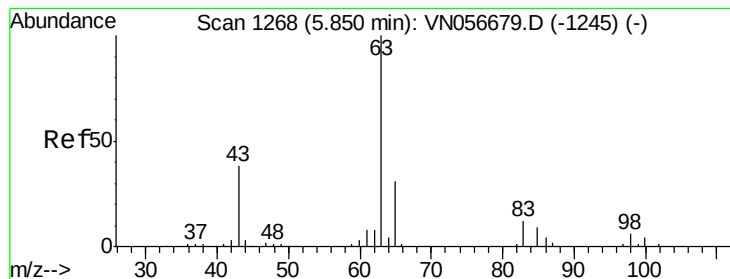
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





#21

1,1-Dichloroethane

Concen: 20.269 ug/l

RT: 5.85 min Scan# 1267

Delta R.T. -0.00 min

Lab File: VN056809.D

Acq: 18 Jul 2019 12:52

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

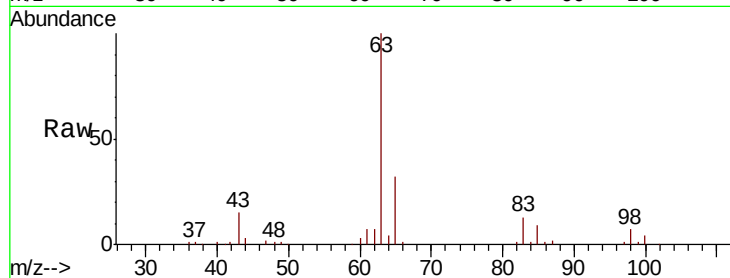
Tot Ion: 63 Resp: 117786

Ion Ratio Lower Upper

63 100

98 6.8 3.3 9.8

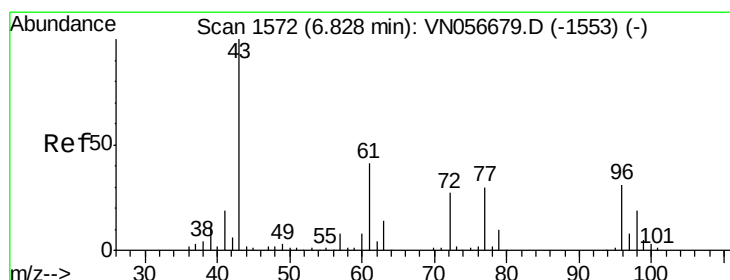
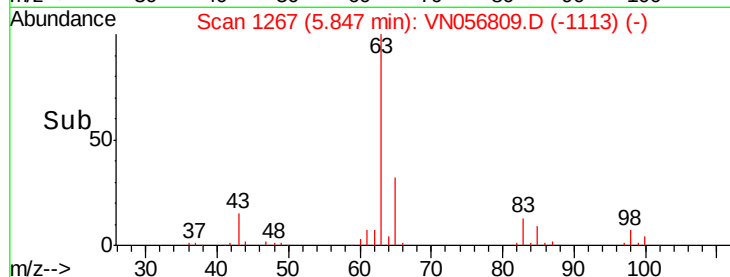
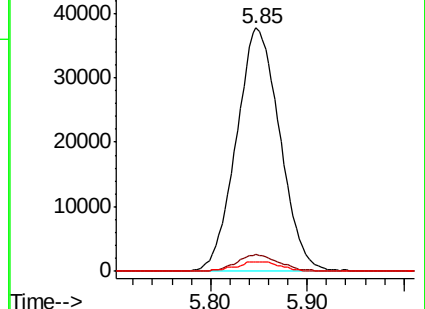
100 4.0 2.1 6.3



Abundance Ion 63.00 (62.70 to 63.70): VN056679.D (-1245) (-)

Ion 98.00 (97.70 to 98.70): VN056679.D (-1245) (-)

Ion 100.00 (99.70 to 100.70): VN056679.D (-1245) (-)



#22

cis-1,2-Dichloroethene

Concen: 20.093 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VN056809.D

Acq: 18 Jul 2019 12:52

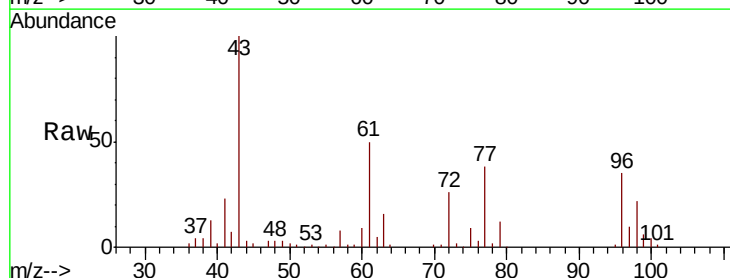
Tgt Ion: 96 Resp: 73396

Ion Ratio Lower Upper

96 100

61 140.2 112.1 168.1

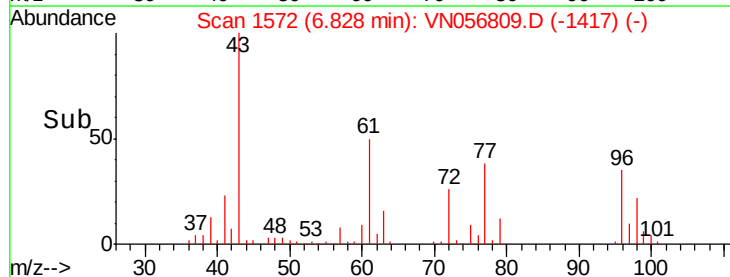
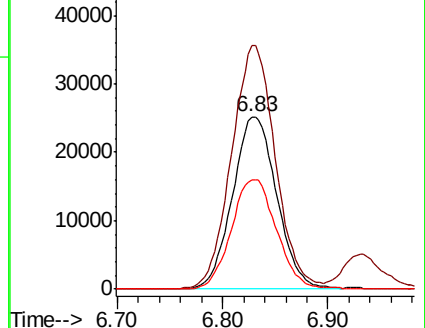
98 64.6 52.2 78.2

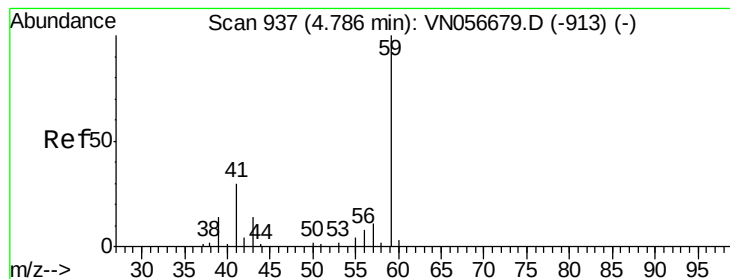


Abundance Ion 96.00 (95.70 to 96.70): VN056679.D (-1553) (-)

Ion 61.00 (60.70 to 61.70): VN056679.D (-1553) (-)

Ion 98.00 (97.70 to 98.70): VN056679.D (-1553) (-)



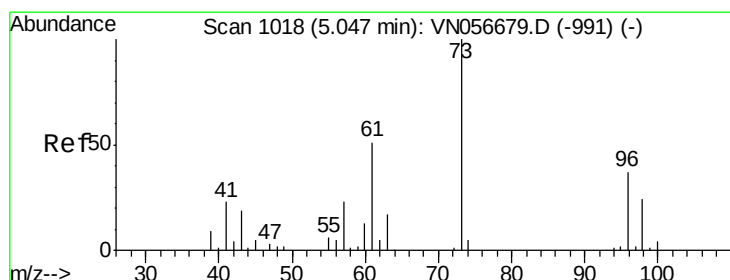
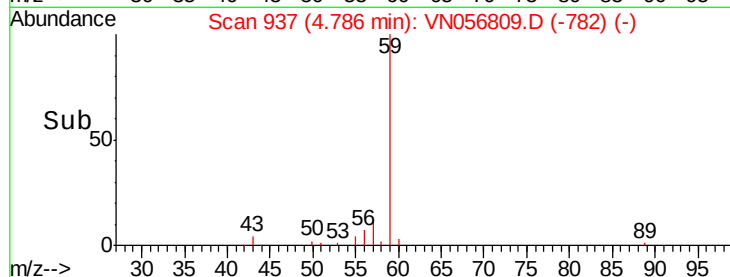
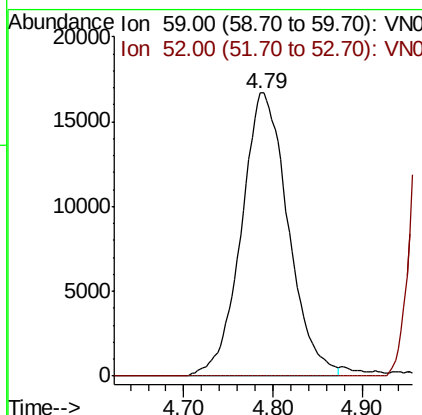
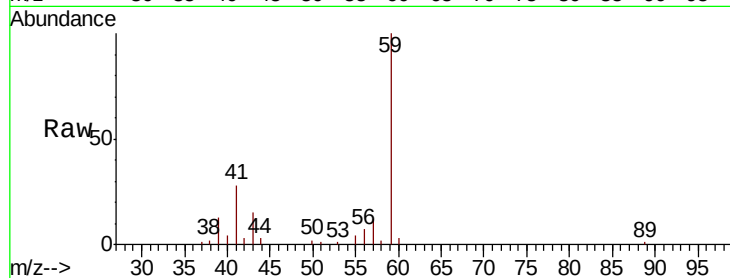


#23

tert-Butyl Alcohol
 Concen: 101.548 ug/l
 RT: 4.79 min Scan# 937
 Delta R.T. -0.00 min
 Lab File: VN056809.D
 Acq: 18 Jul 2019 12:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

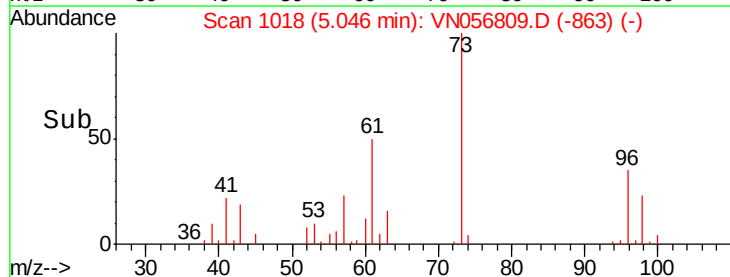
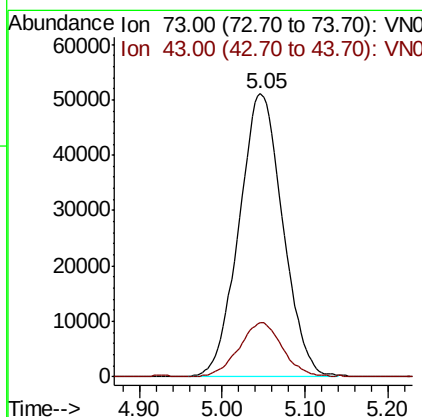
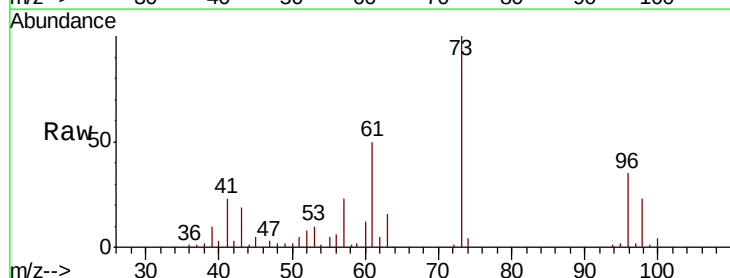
Tot Ion: 59 Resp: 60952
 Ion Ratio Lower Upper
 59 100
 52 0.0 0.1 0.1#

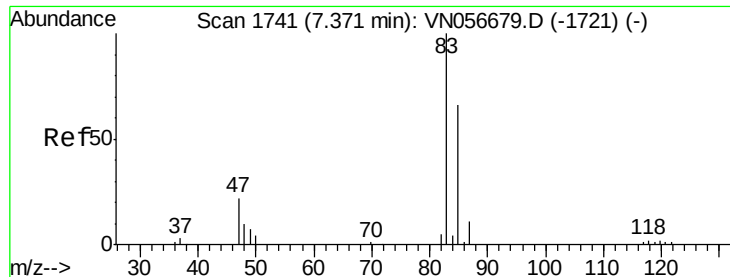


#24

Methyl tert-Butyl Ether
 Concen: 20.147 ug/l
 RT: 5.05 min Scan# 1018
 Delta R.T. -0.00 min
 Lab File: VN056809.D
 Acq: 18 Jul 2019 12:52

Tgt Ion: 73 Resp: 187506
 Ion Ratio Lower Upper
 73 100
 43 19.0 15.1 22.7

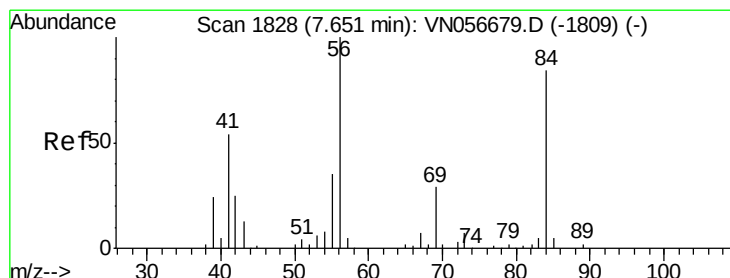
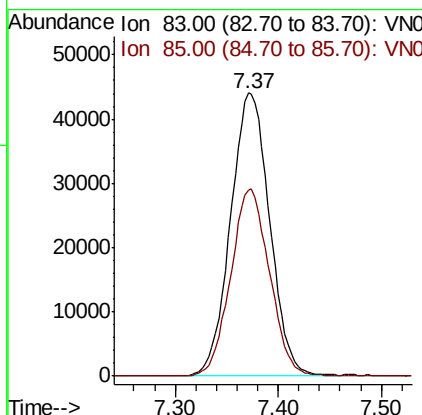
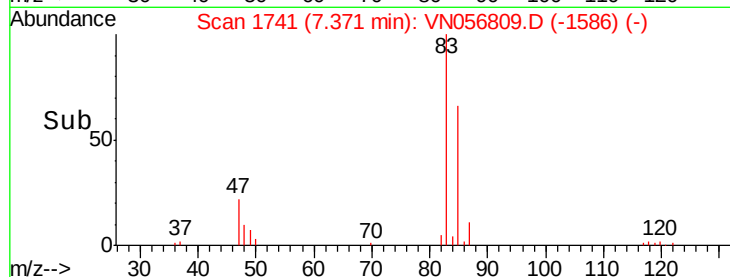
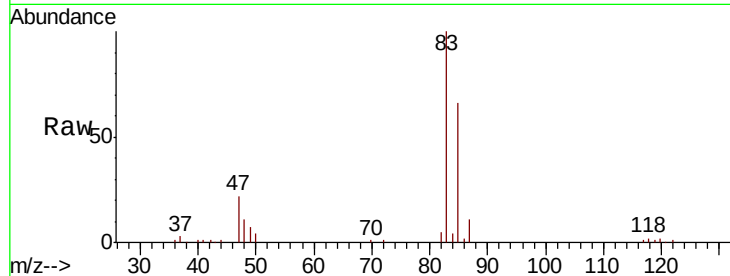




#25
Chloroform
Concen: 20.526 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN056809.D
Acq: 18 Jul 2019 12:52

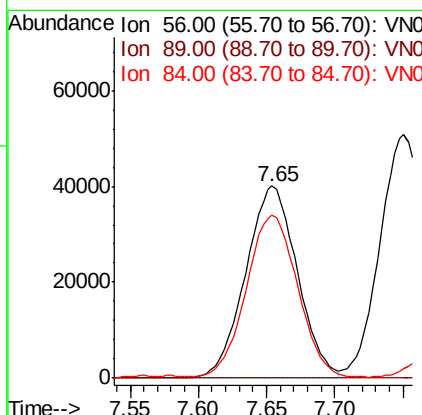
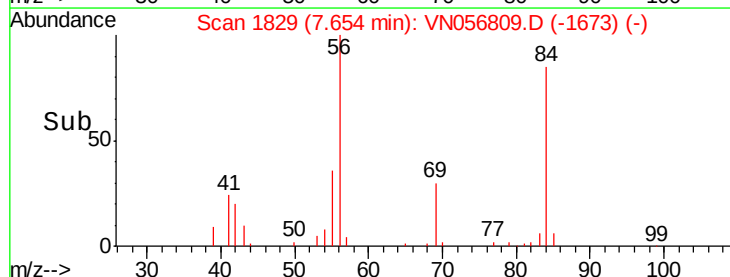
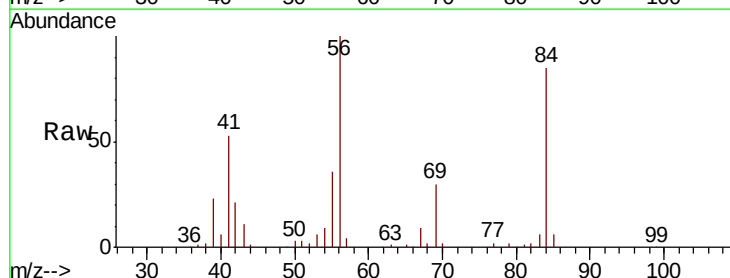
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

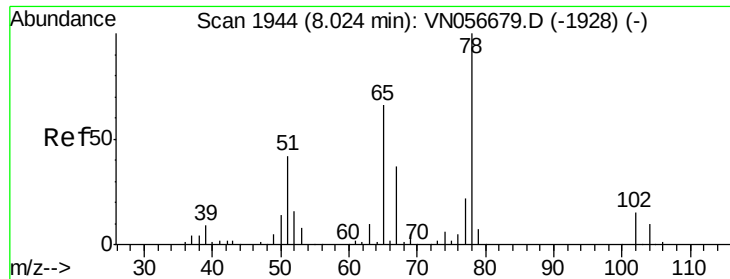
Tot Ion: 83 Resp: 116212
Ion Ratio Lower Upper
83 100
85 66.0 52.6 79.0



#26
Cyclohexane
Concen: 19.468 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. 0.00 min
Lab File: VN056809.D
Acq: 18 Jul 2019 12:52

Tgt Ion: 56 Resp: 105157
Ion Ratio Lower Upper
56 100
89 0.0 1.4 2.2#
84 83.6 68.2 102.4

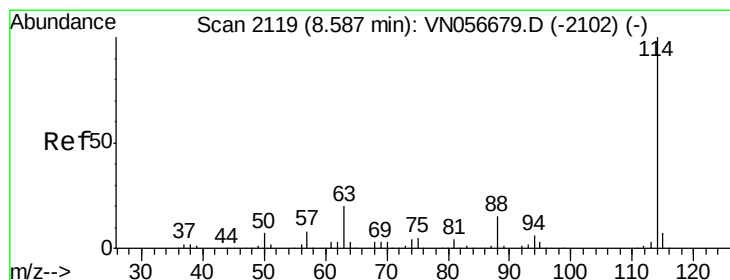
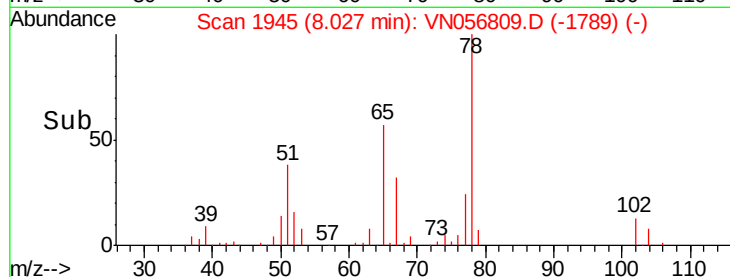
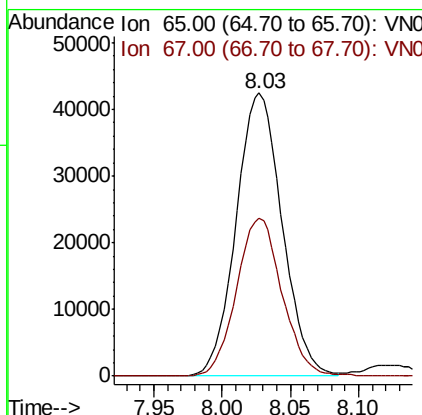
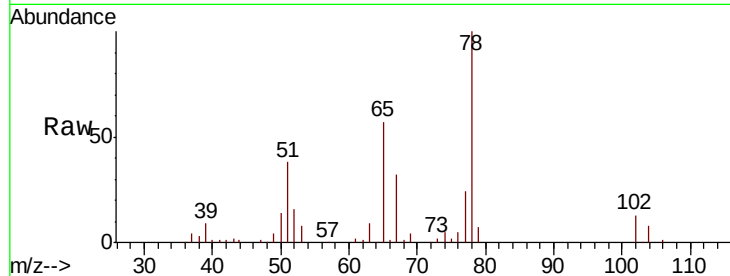




#27
 1,2-Dichloroethane-d4
 Concen: 29.696 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN056809.D
 Acq: 18 Jul 2019 12:52

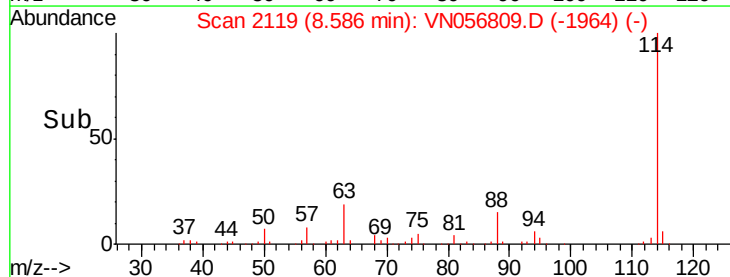
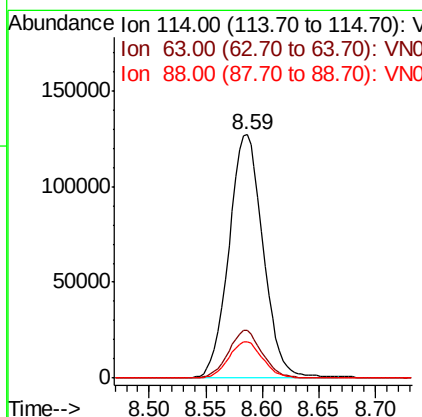
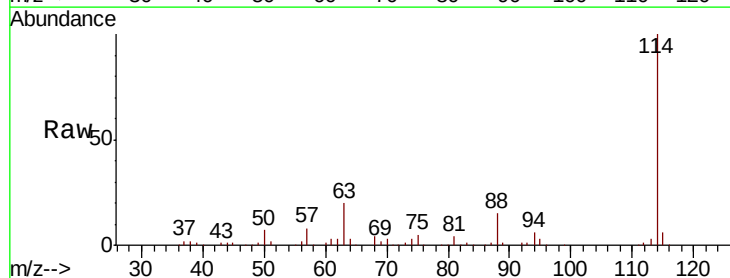
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

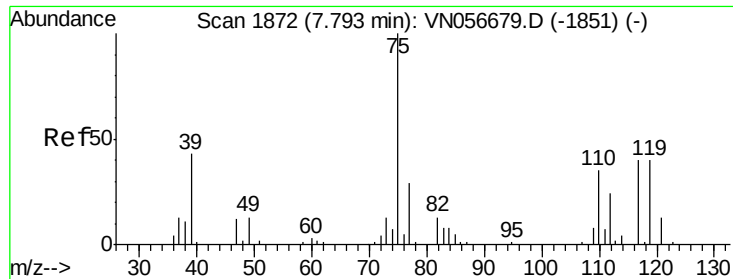
Tot Ion: 65 Resp: 99520
 Ion Ratio Lower Upper
 65 100
 67 55.2 43.4 65.0



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN056809.D
 Acq: 18 Jul 2019 12:52

Tgt Ion: 114 Resp: 267728
 Ion Ratio Lower Upper
 114 100
 63 19.3 16.2 24.2
 88 14.8 12.3 18.5

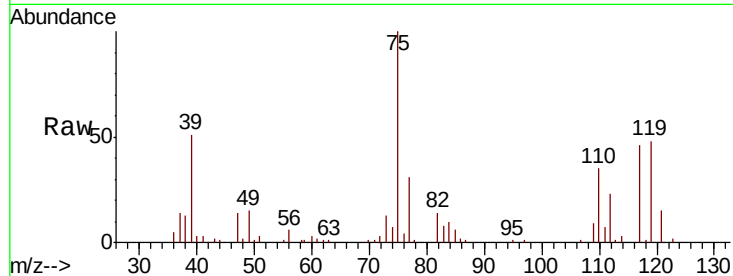




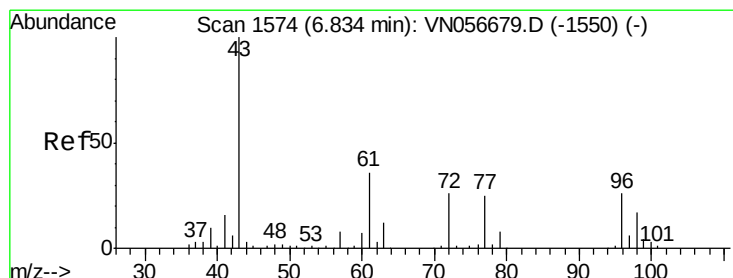
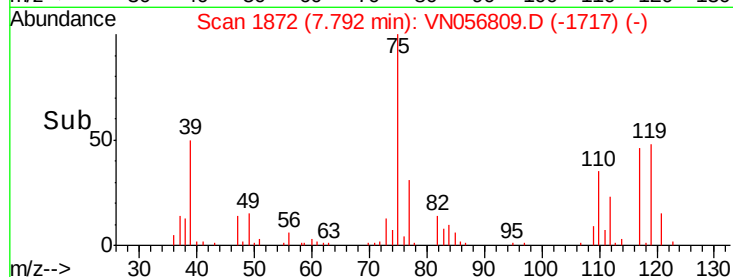
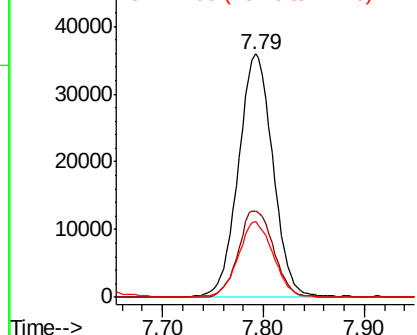
#29
 1,1-Dichloropropene
 Concen: 20.056 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. -0.00 min
 Lab File: VN056809.D
 Acq: 18 Jul 2019 12:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion: 75 Resp: 85352
 Ion Ratio Lower Upper
 75 100
 110 36.0 0.0 72.4
 77 31.6 0.0 62.2

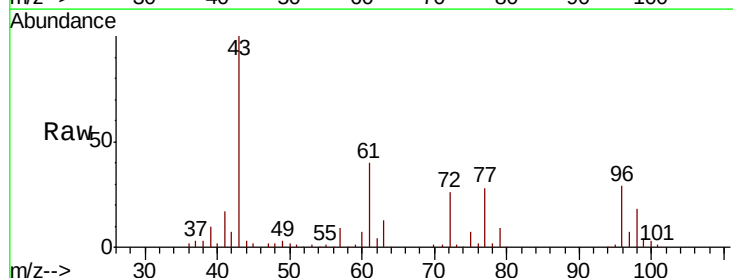


Abundance Ion 75.00 (74.70 to 75.70): VN0
 Ion 110.00 (109.70 to 110.70): V
 Ion 77.00 (76.70 to 77.70): VN0

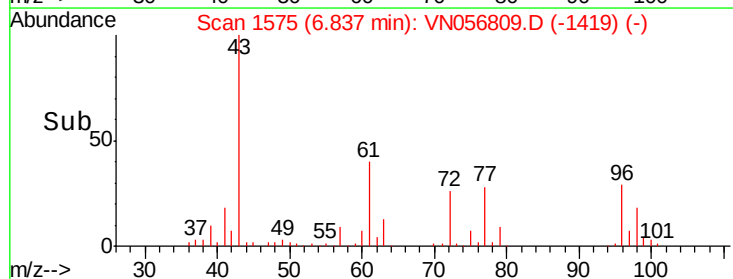
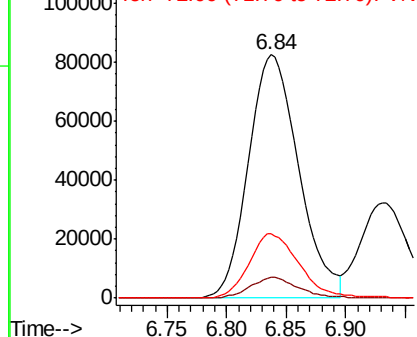


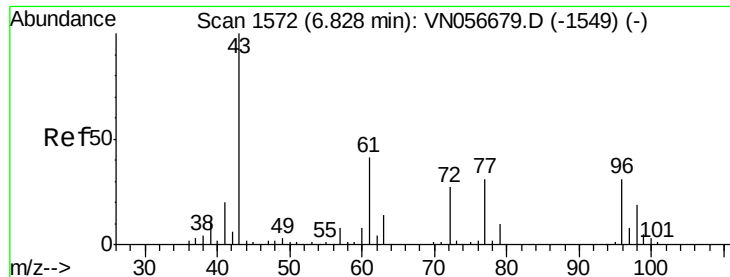
#30
 2-Butanone
 Concen: 97.385 ug/l
 RT: 6.84 min Scan# 1575
 Delta R.T. 0.00 min
 Lab File: VN056809.D
 Acq: 18 Jul 2019 12:52

Tgt Ion: 43 Resp: 239954
 Ion Ratio Lower Upper
 43 100
 57 8.2 6.6 10.0
 72 26.8 21.3 31.9



Abundance Ion 43.00 (42.70 to 43.70): VN0
 Ion 57.00 (56.70 to 57.70): VN0
 Ion 72.00 (71.70 to 72.70): VN0

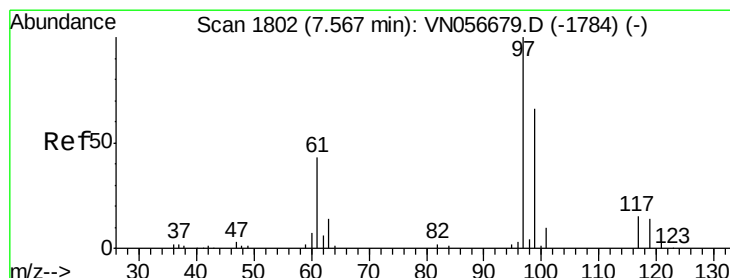
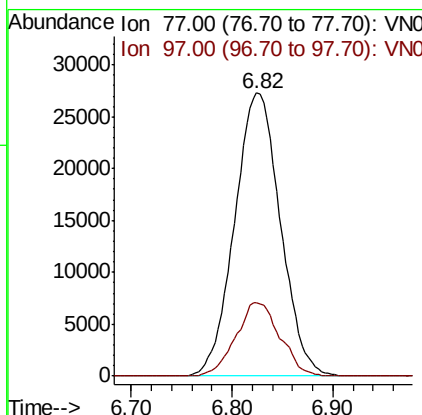
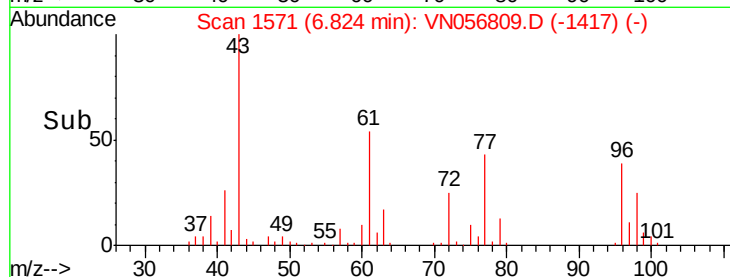
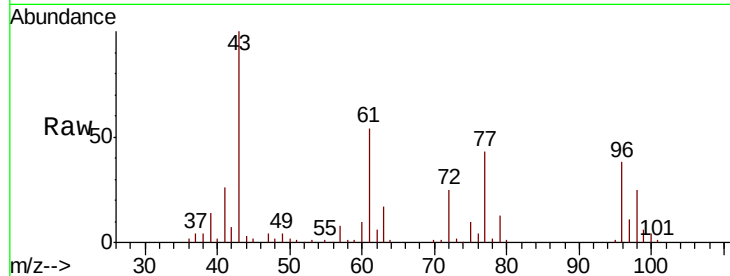




#31
 2,2-Dichloropropane
 Concen: 20.886 ug/l
 RT: 6.82 min Scan# 1571
 Delta R.T. -0.00 min
 Lab File: VN056809.D
 Acq: 18 Jul 2019 12:52

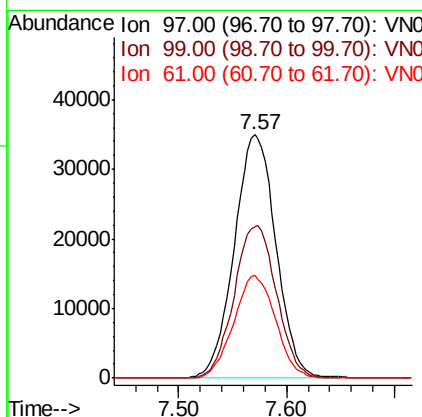
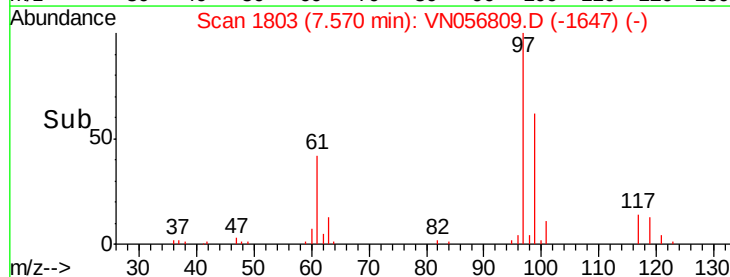
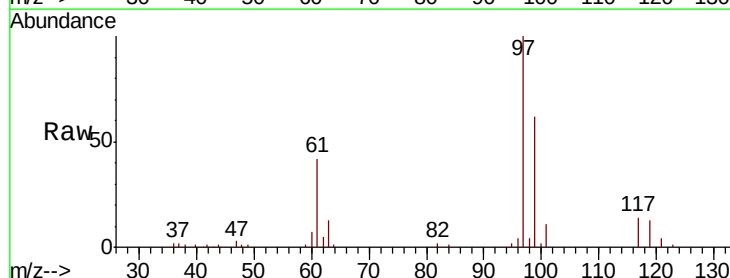
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

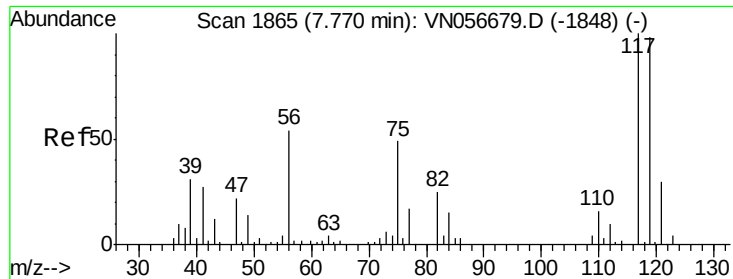
Tot Ion: 77 Resp: 86022
 Ion Ratio Lower Upper
 77 100
 97 25.0 19.7 29.5



#32
 1,1,1-Trichloroethane
 Concen: 20.728 ug/l
 RT: 7.57 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VN056809.D
 Acq: 18 Jul 2019 12:52

Tgt Ion: 97 Resp: 94030
 Ion Ratio Lower Upper
 97 100
 99 63.7 52.0 78.0
 61 42.2 34.4 51.6





#33

Carbon Tetrachloride

Concen: 20.435 ug/l

RT: 7.77 min Scan# 1866

Delta R.T. 0.00 min

Lab File: VN056809.D

Acq: 18 Jul 2019 12:52

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

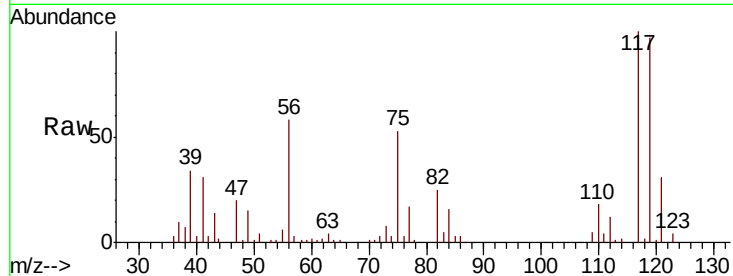
Tot Ion:117 Resp: 79770

Ion Ratio Lower Upper

117 100

119 96.9 78.7 118.1

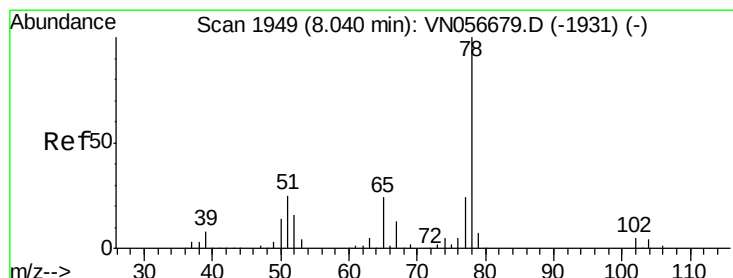
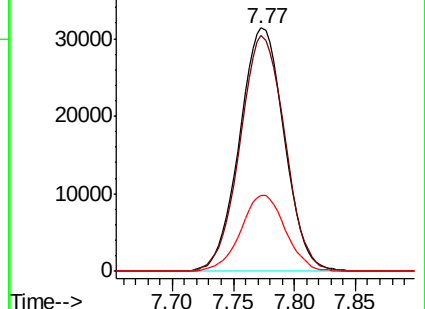
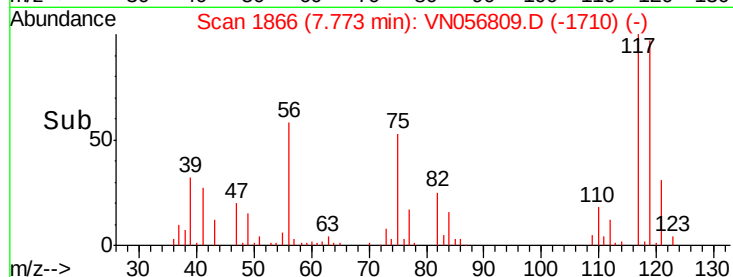
121 31.2 24.0 36.0



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: 20.758 ug/l

RT: 8.04 min Scan# 1949

Delta R.T. -0.00 min

Lab File: VN056809.D

Acq: 18 Jul 2019 12:52

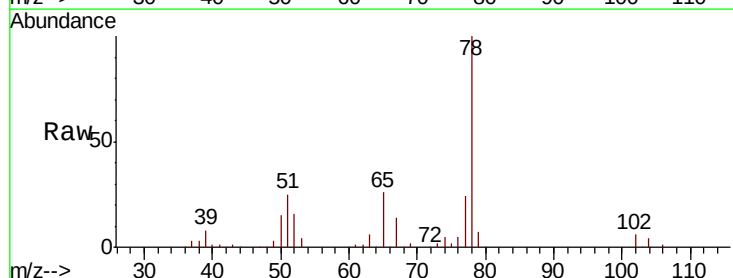
Tgt Ion: 78 Resp: 271427

Ion Ratio Lower Upper

78 100

77 23.5 19.0 28.4

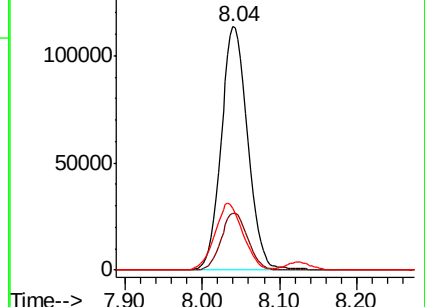
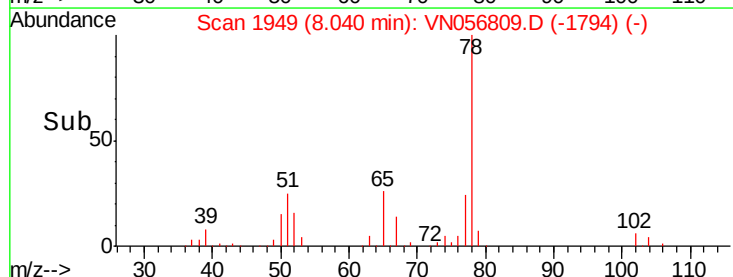
51 25.5 19.7 29.5

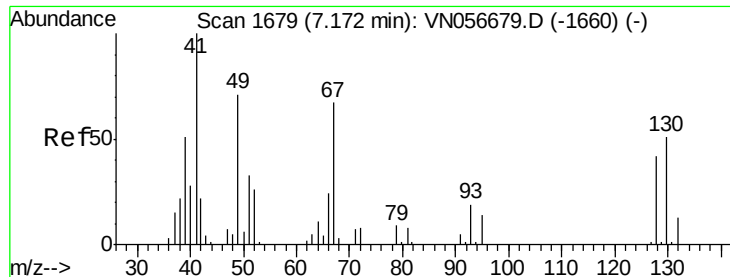


Abundance Ion 78.10 (77.80 to 78.80): V

Ion 77.00 (76.70 to 77.70): V

Ion 51.00 (50.70 to 51.70): V

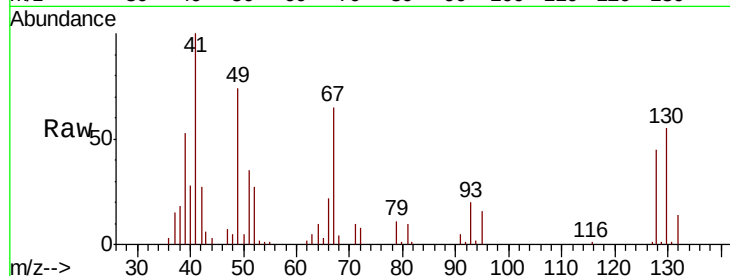




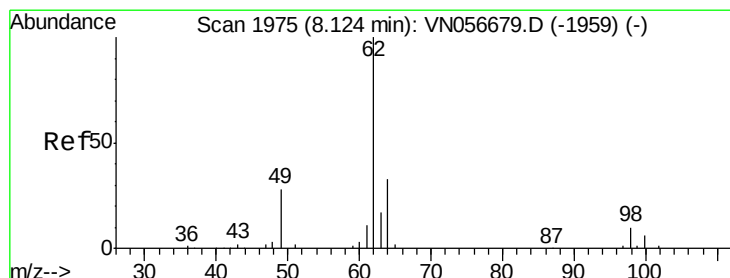
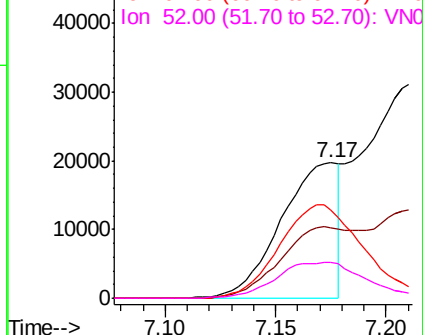
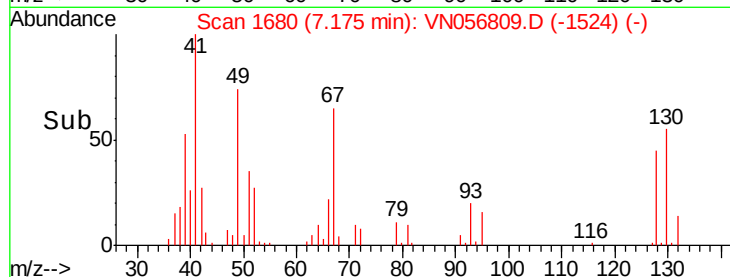
#35
Methacrylonitrile
Concen: 19.039 ug/l
RT: 7.17 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VN056809.D
Acq: 18 Jul 2019 12:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion: 41 Resp: 35839
Ion Ratio Lower Upper
41 100
39 52.6 25.4 76.2
67 65.5 33.6 100.8
52 26.9 12.9 38.7

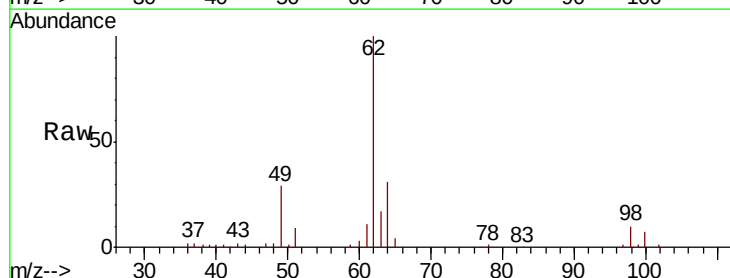


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

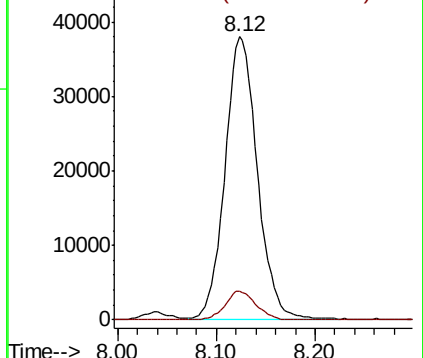
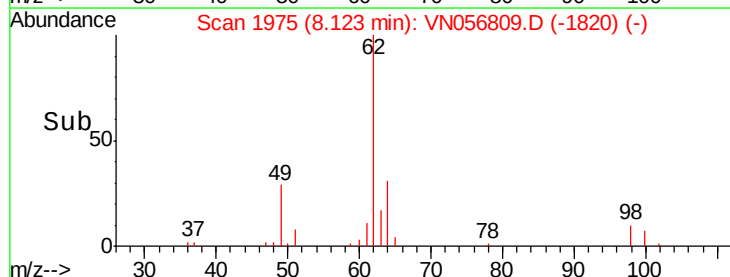


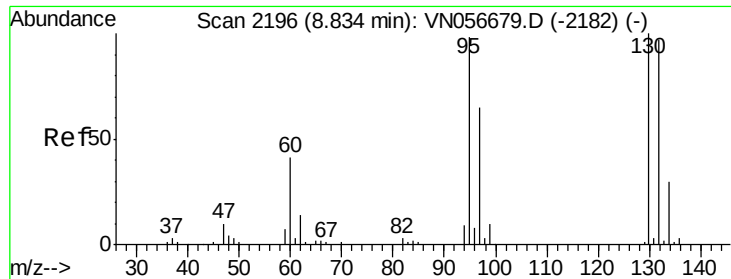
#36
1,2-Dichloroethane
Concen: 20.776 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN056809.D
Acq: 18 Jul 2019 12:52

Tgt Ion: 62 Resp: 87268
Ion Ratio Lower Upper
62 100
98 9.6 7.7 11.5



Abundance Ion 62.00 (61.70 to 62.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

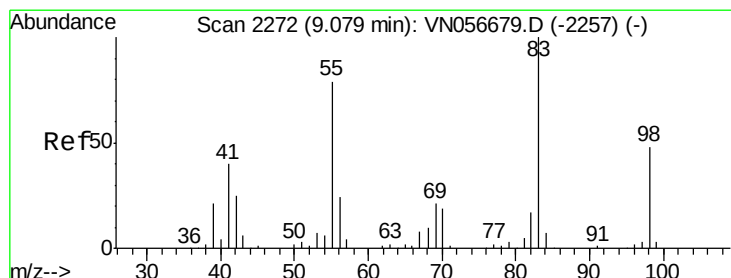
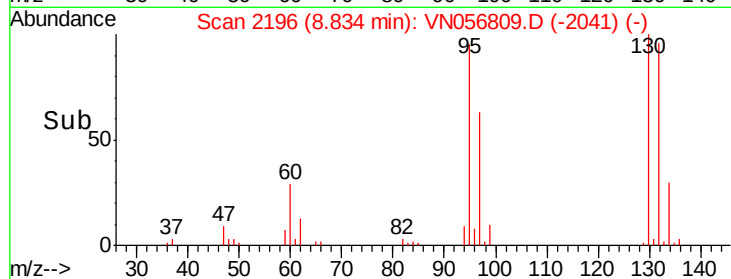
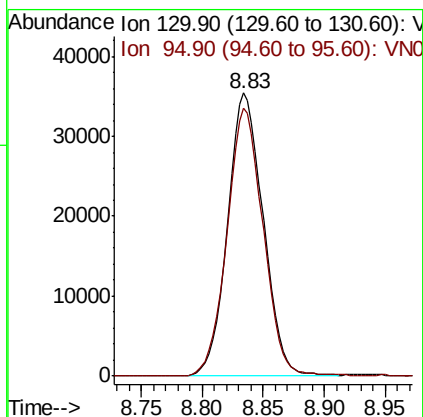
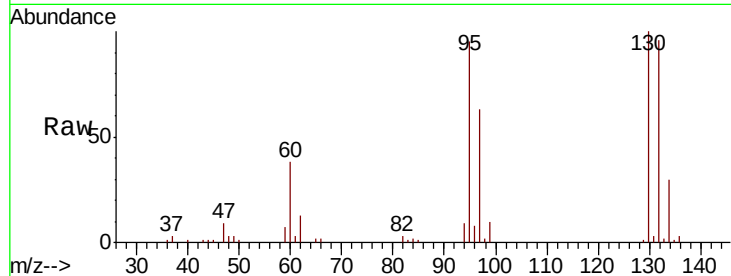




#37
 Trichloroethene
 Concen: 20.287 ug/l
 RT: 8.83 min Scan# 2196
 Delta R.T. -0.00 min
 Lab File: VN056809.D
 Acq: 18 Jul 2019 12:52

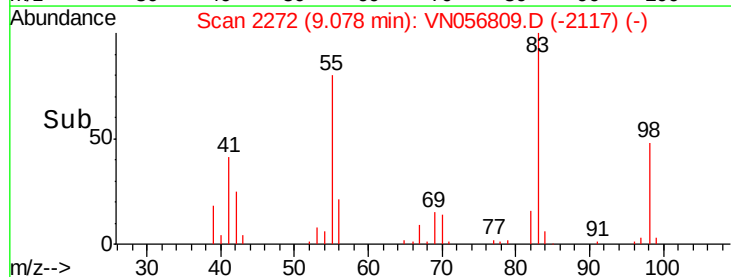
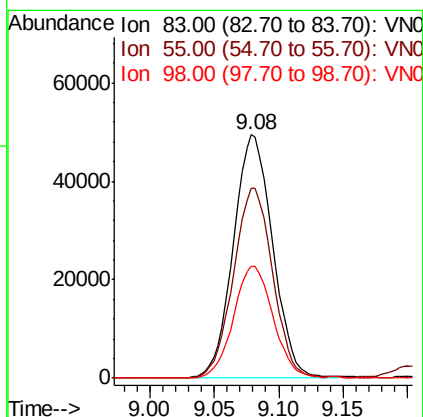
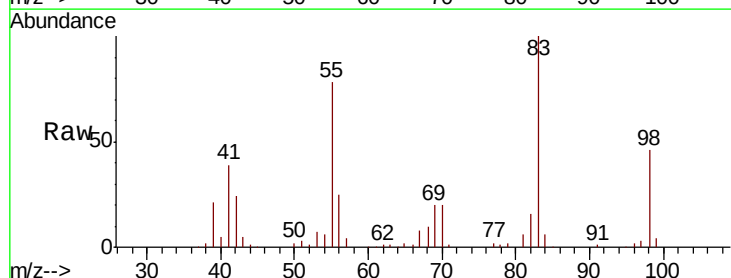
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

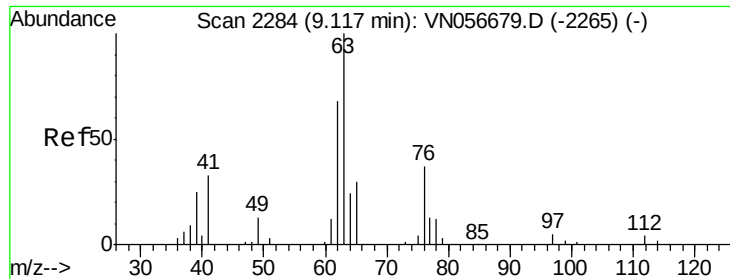
Tot Ion:130 Resp: 72044
 Ion Ratio Lower Upper
 130 100
 95 94.8 78.4 117.6



#38
 Methylcyclohexane
 Concen: 19.544 ug/l
 RT: 9.08 min Scan# 2272
 Delta R.T. -0.00 min
 Lab File: VN056809.D
 Acq: 18 Jul 2019 12:52

Tgt Ion: 83 Resp: 105071
 Ion Ratio Lower Upper
 83 100
 55 77.9 38.4 115.2
 98 46.2 23.3 69.9





#39

1,2-Dichloropropane

Concen: 20.758 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN056809.D

Acq: 18 Jul 2019 12:52

Instrument :

MSVOA_N

ClientSampleId :

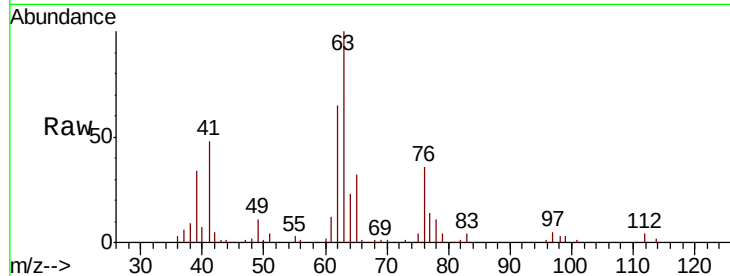
VSTDCCC020EC

Tot Ion: 63 Resp: 72858

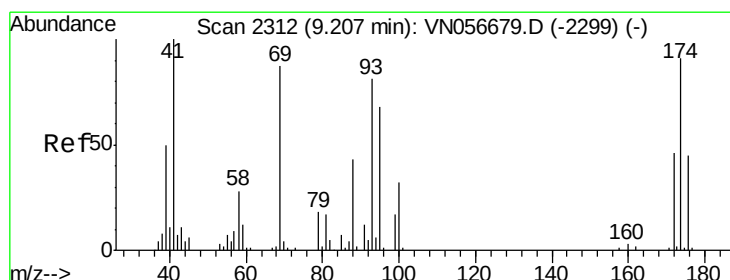
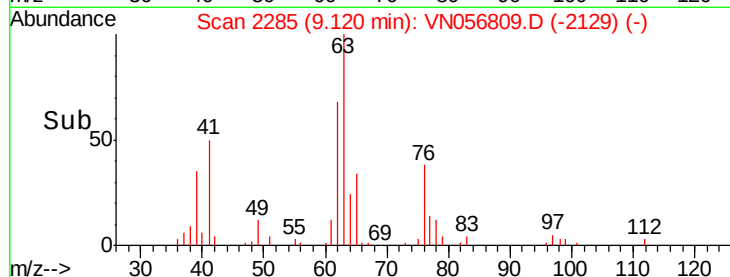
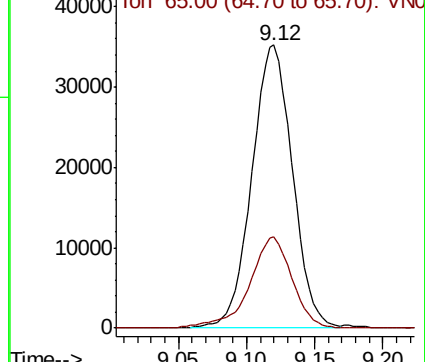
Ion Ratio Lower Upper

63 100

65 32.2 24.6 36.8



Abundance Ion 63.00 (62.70 to 63.70): VN056809.D (-2129) (-)



#40

Dibromomethane

Concen: 20.663 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. -0.00 min

Lab File: VN056809.D

Acq: 18 Jul 2019 12:52

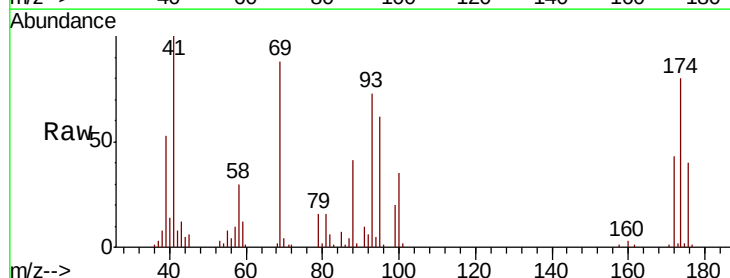
Tgt Ion: 93 Resp: 46193

Ion Ratio Lower Upper

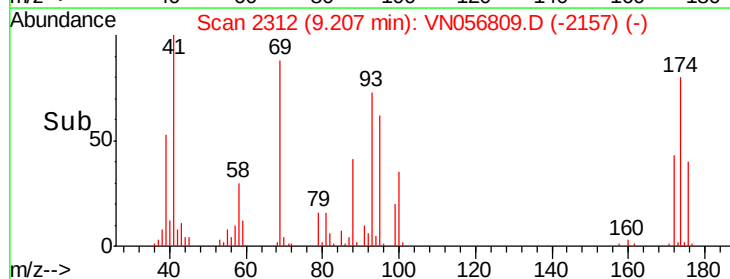
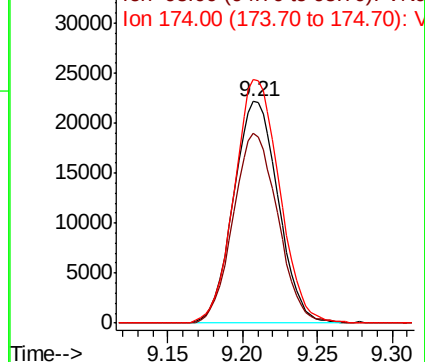
93 100

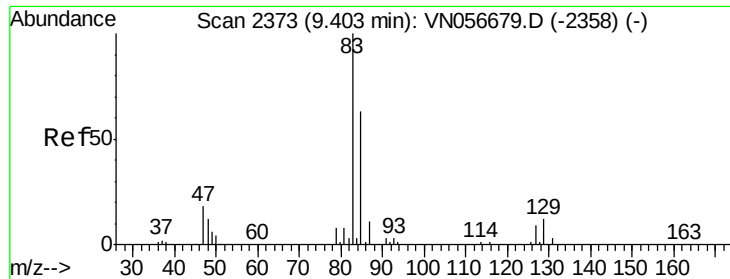
95 85.1 0.0 167.0

174 110.8 0.0 224.2



Abundance Ion 93.00 (92.70 to 93.70): VN056809.D (-2157) (-)





#41

Bromodichloromethane

Concen: 20.399 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN056809.D

Acq: 18 Jul 2019 12:52

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

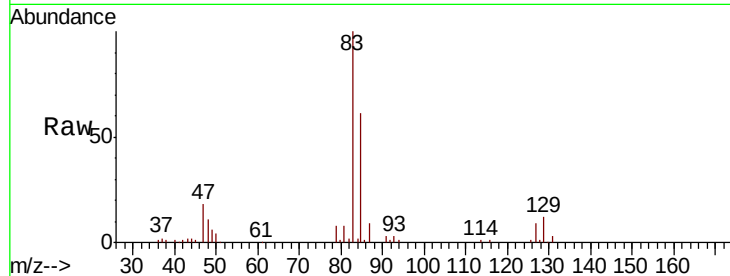
Tot Ion: 83 Resp: 84045

Ion Ratio Lower Upper

83 100

85 61.5 50.1 75.1

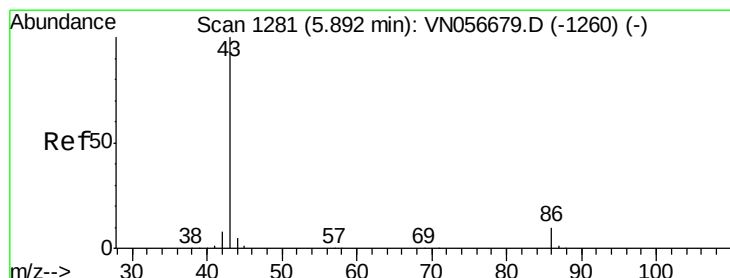
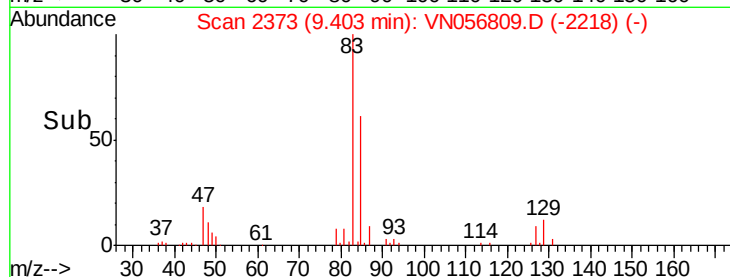
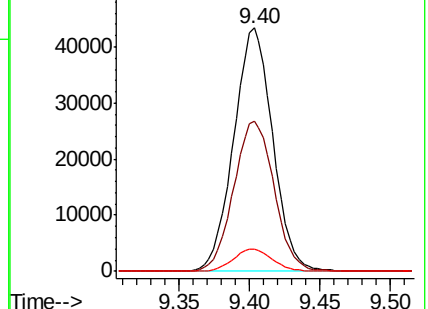
127 9.0 7.0 10.4



Abundance Ion 83.00 (82.70 to 83.70): VN056809.D (-2218) (-)

Ion 85.00 (84.70 to 85.70): VN056809.D (-2218) (-)

Ion 127.00 (126.70 to 127.70): VN056809.D (-2218) (-)



#42

Vinyl Acetate

Concen: 102.904 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VN056809.D

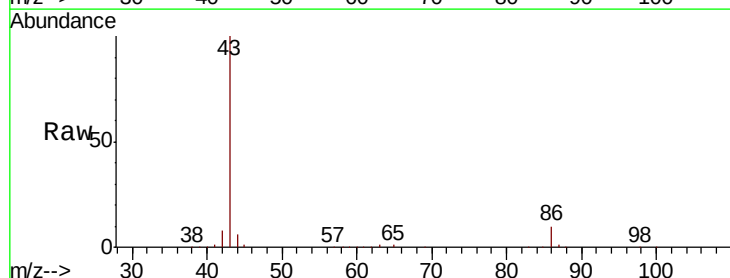
Acq: 18 Jul 2019 12:52

Tgt Ion: 43 Resp: 843862

Ion Ratio Lower Upper

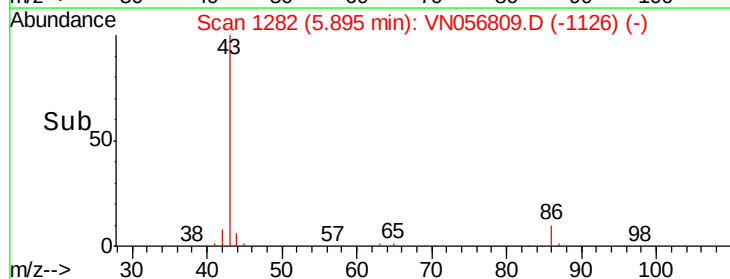
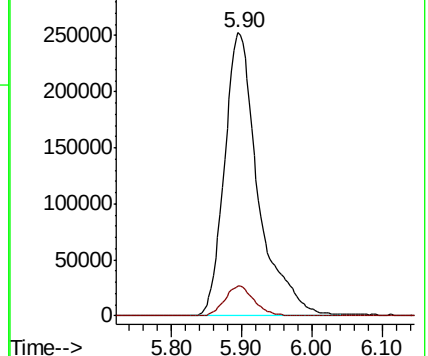
43 100

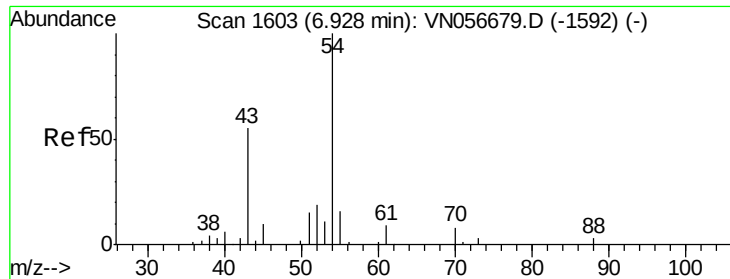
86 9.2 7.4 11.2



Abundance Ion 43.00 (42.70 to 43.70): VN056809.D (-1126) (-)

Ion 86.00 (85.70 to 86.70): VN056809.D (-1126) (-)

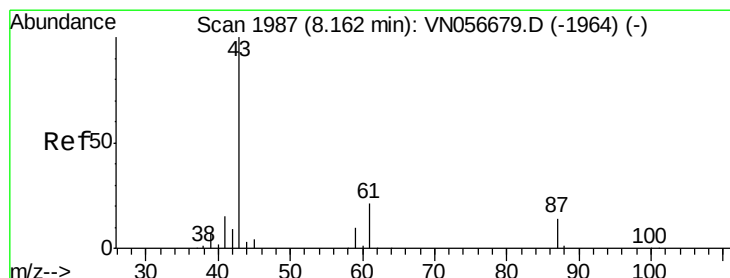
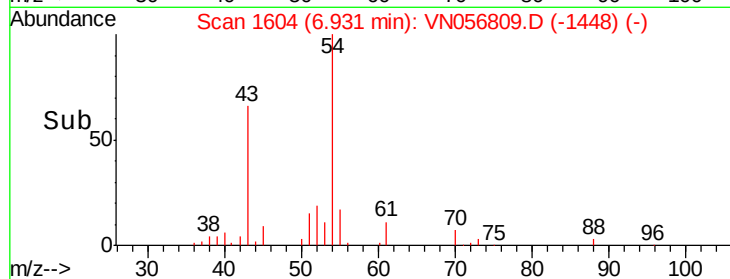
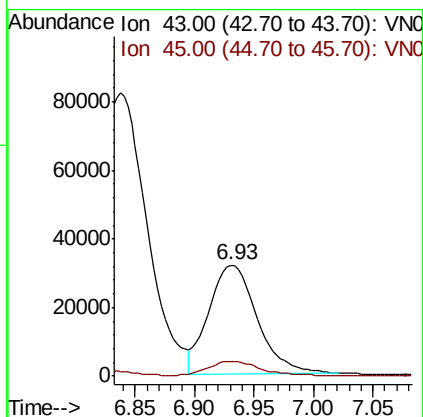
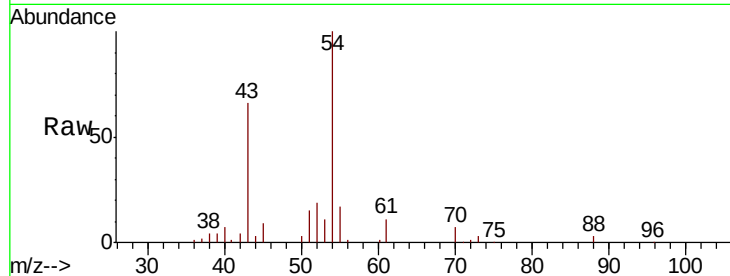




#43
Ethyl Acetate
Concen: 20.168 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VN056809.D
Acq: 18 Jul 2019 12:52

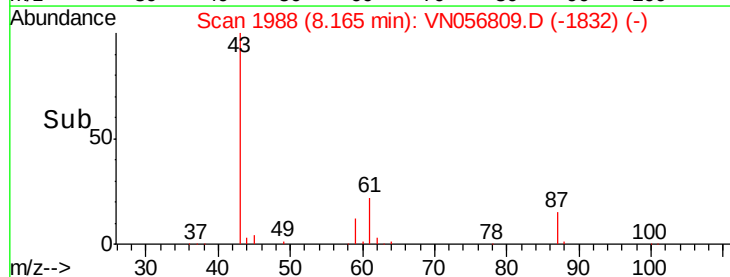
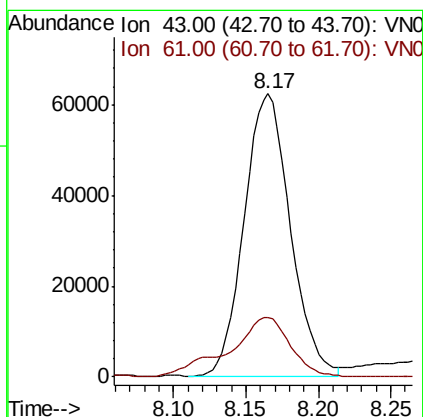
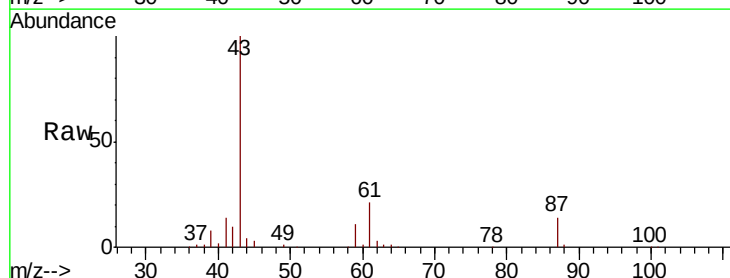
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

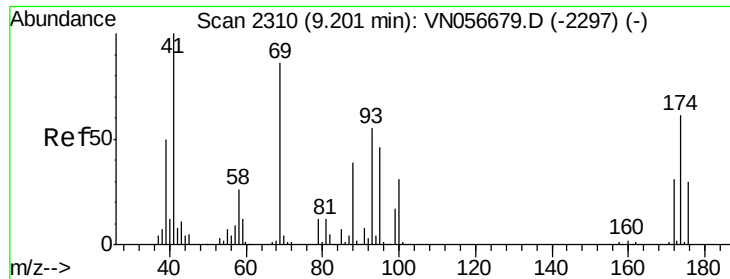
Tot Ion: 43 Resp: 89801
Ion Ratio Lower Upper
43 100
45 12.4 11.2 16.8



#44
Isopropyl Acetate
Concen: 19.801 ug/l
RT: 8.17 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VN056809.D
Acq: 18 Jul 2019 12:52

Tgt Ion: 43 Resp: 137509
Ion Ratio Lower Upper
43 100
61 21.3 22.6 33.8#

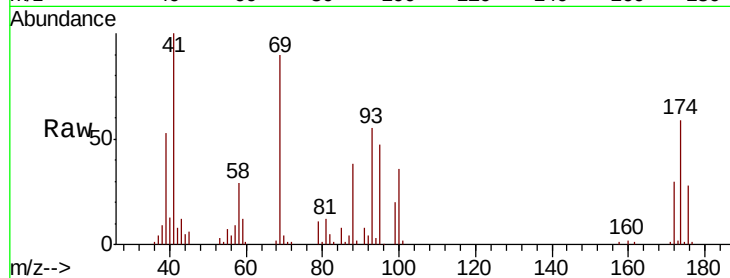




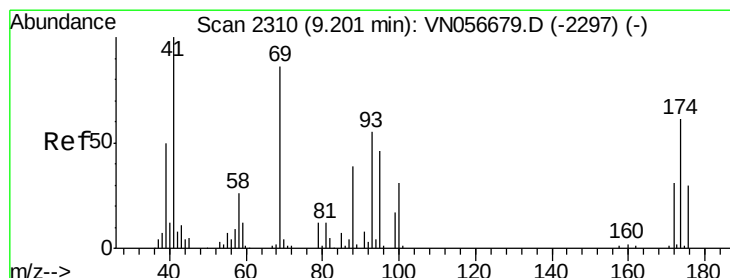
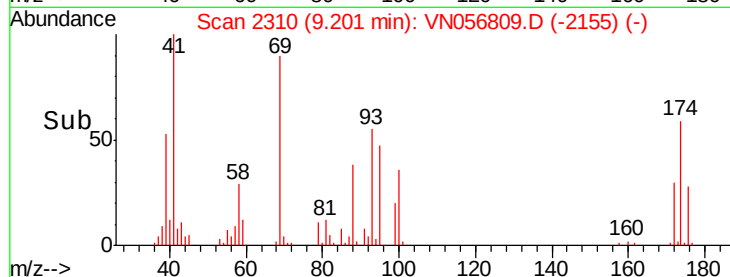
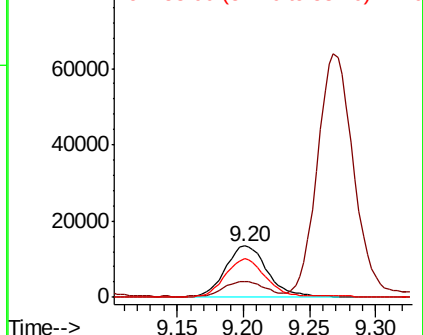
#45
 1,4-Dioxane
 Concen: 427.481 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. -0.00 min
 Lab File: VN056809.D
 Acq: 18 Jul 2019 12:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion: 88 Resp: 30034
 Ion Ratio Lower Upper
 88 100
 43 27.2 23.0 34.6
 58 72.5 54.6 81.8

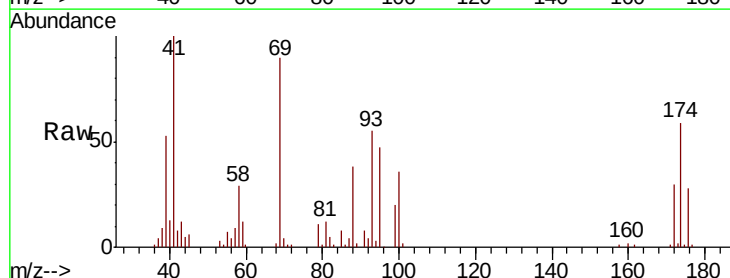


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

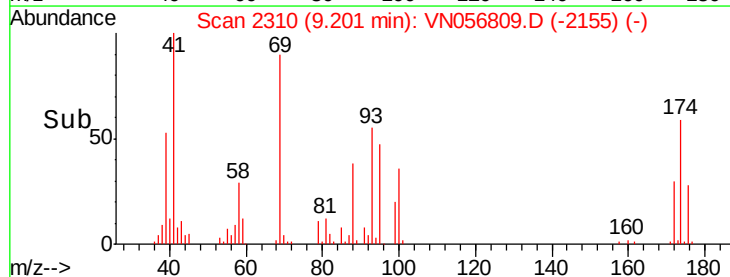
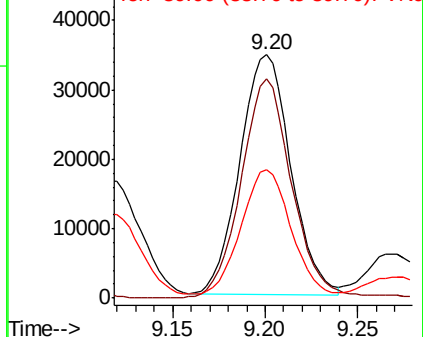


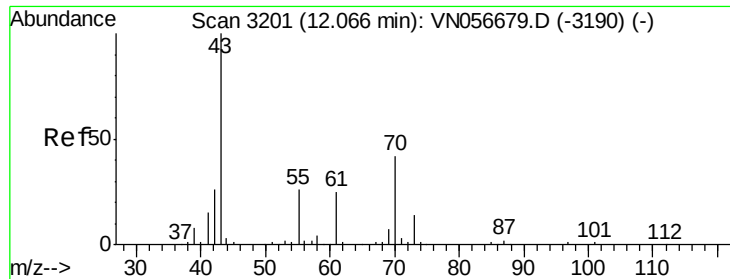
#46
 Methyl methacrylate
 Concen: 19.805 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. -0.00 min
 Lab File: VN056809.D
 Acq: 18 Jul 2019 12:52

Tgt Ion: 41 Resp: 66077
 Ion Ratio Lower Upper
 41 100
 69 91.3 43.0 129.0
 39 52.5 25.1 75.4



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





#47

n-amvl Acetate

Concen: 18.837 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN056809.D

Acq: 18 Jul 2019 12:52

Instrument :

MSVOA_N

ClientSampleId :

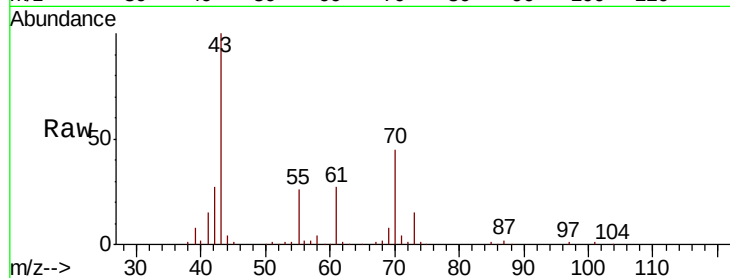
VSTDCCC020EC

Tot Ion: 43 Resp: 106987

Ion Ratio Lower Upper

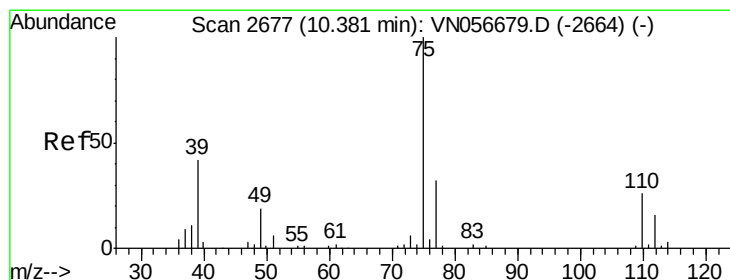
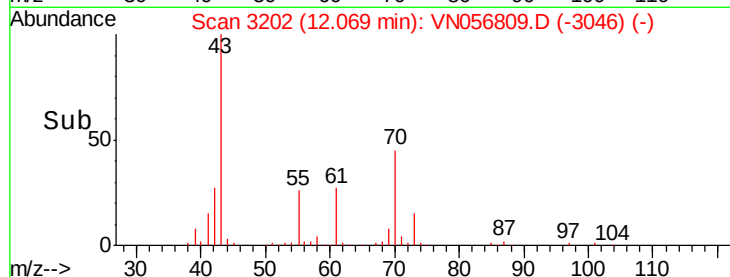
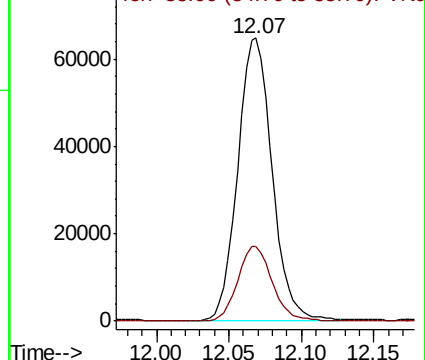
43 100

55 26.3 20.7 31.1



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#48

t-1,3-Dichloropropene

Concen: 19.684 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. -0.00 min

Lab File: VN056809.D

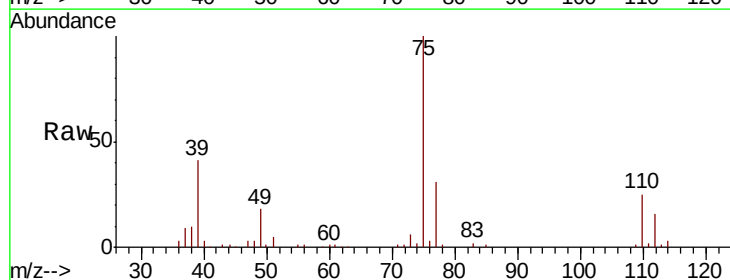
Acq: 18 Jul 2019 12:52

Tgt Ion: 75 Resp: 89207

Ion Ratio Lower Upper

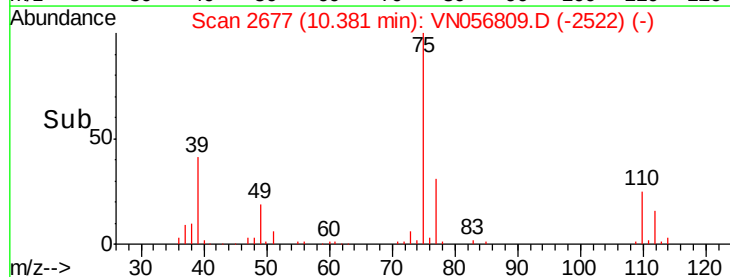
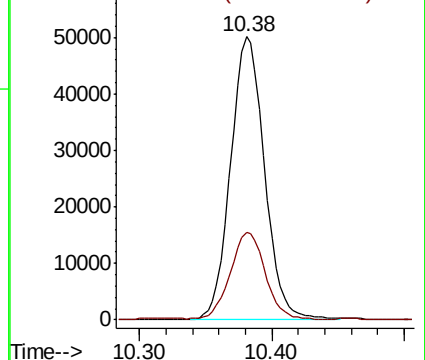
75 100

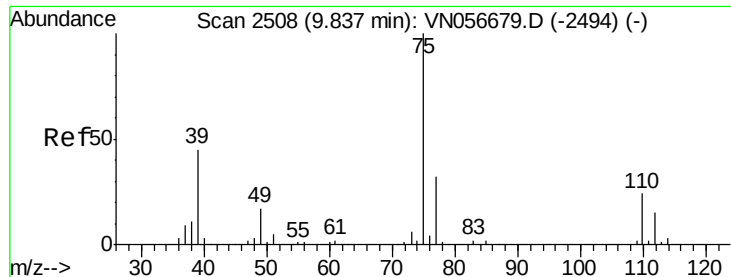
77 30.4 25.7 38.5



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 77.00 (76.70 to 77.70): VN0



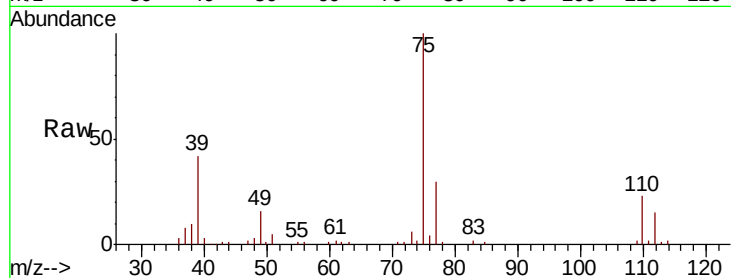


#49

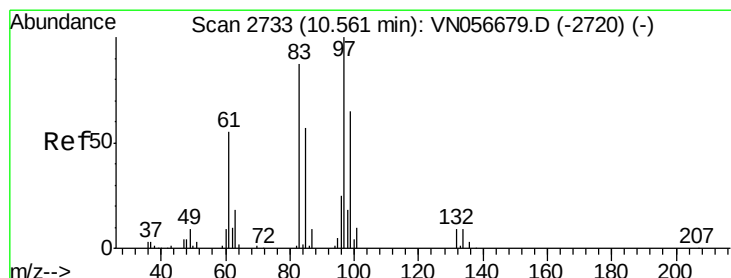
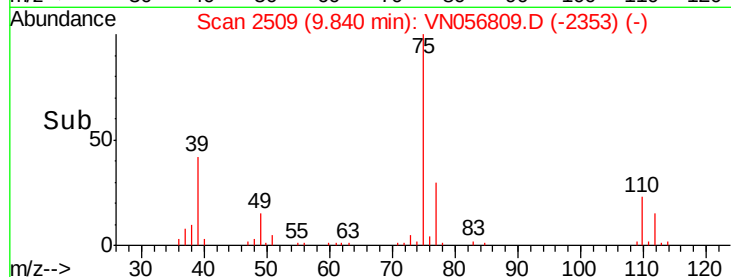
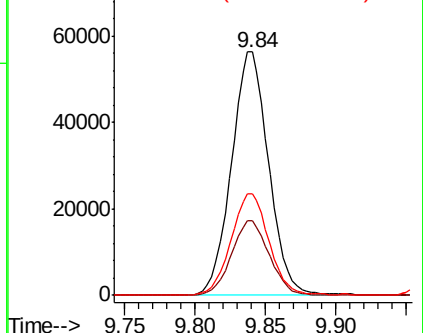
cis-1,3-Dichloropropene
 Concen: 20.320 ug/l
 RT: 9.84 min Scan# 2509
 Delta R.T. 0.00 min
 Lab File: VN056809.D
 Acq: 18 Jul 2019 12:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion: 75 Resp: 103890
 Ion Ratio Lower Upper
 75 100
 77 30.5 26.0 39.0
 39 41.7 36.2 54.4



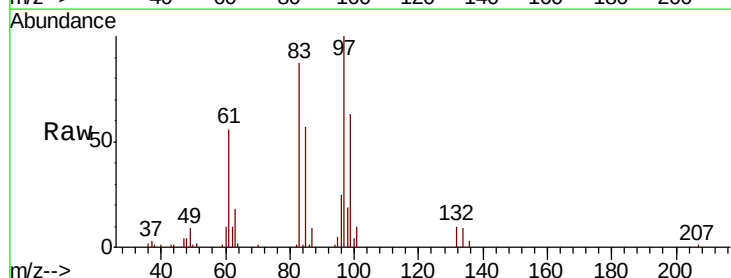
Abundance Ion 75.00 (74.70 to 75.70): VNO
 Ion 77.00 (76.70 to 77.70): VNO
 Ion 39.00 (38.70 to 39.70): VNO



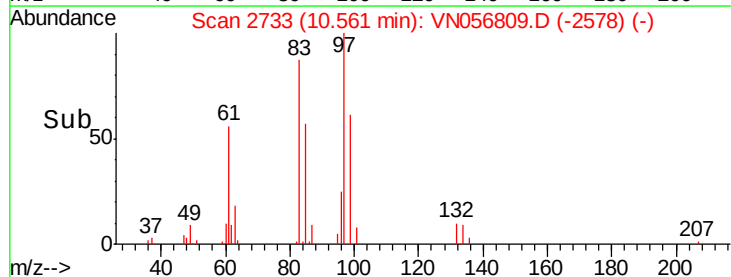
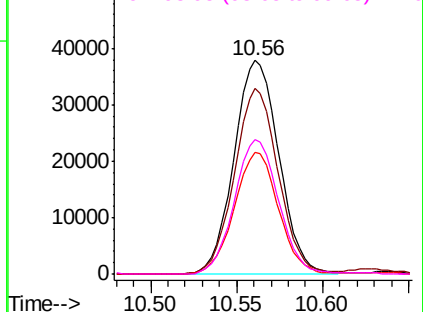
#50

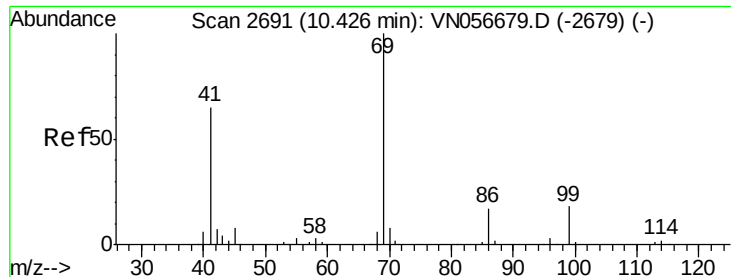
1,1,2-Trichloroethane
 Concen: 21.127 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN056809.D
 Acq: 18 Jul 2019 12:52

Tgt Ion: 97 Resp: 68811
 Ion Ratio Lower Upper
 97 100
 83 86.2 69.2 103.8
 85 57.1 45.3 67.9
 99 63.2 51.6 77.4



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





#51

Ethyl methacrylate

Concen: 19.899 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN056809.D

Acq: 18 Jul 2019 12:52

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

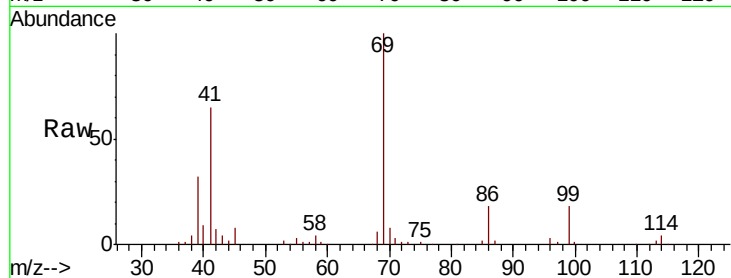
Tot Ion: 69 Resp: 99687

Ion Ratio Lower Upper

69 100

41 64.2 32.8 98.3

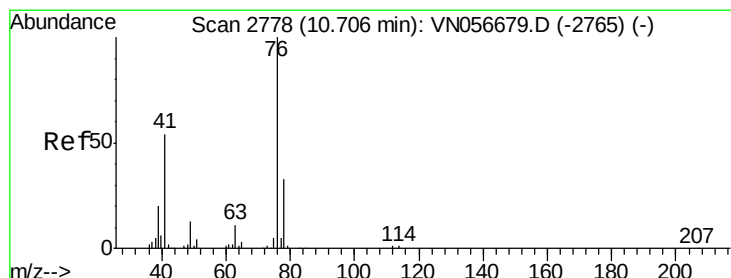
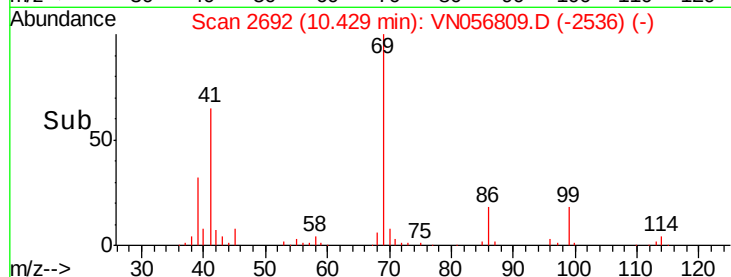
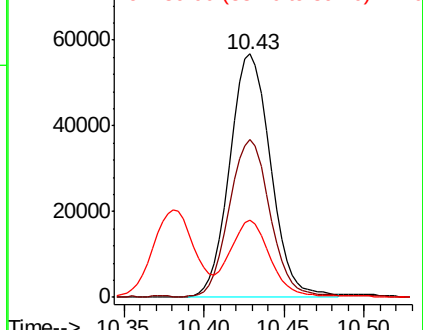
39 31.2 15.4 46.2



Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0



#52

1,3-Dichloropropane

Concen: 21.097 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. -0.00 min

Lab File: VN056809.D

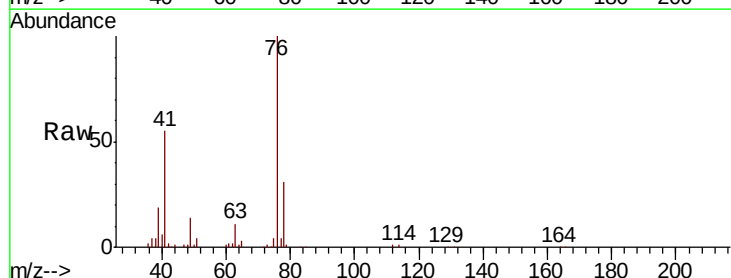
Acq: 18 Jul 2019 12:52

Tgt Ion: 76 Resp: 114970

Ion Ratio Lower Upper

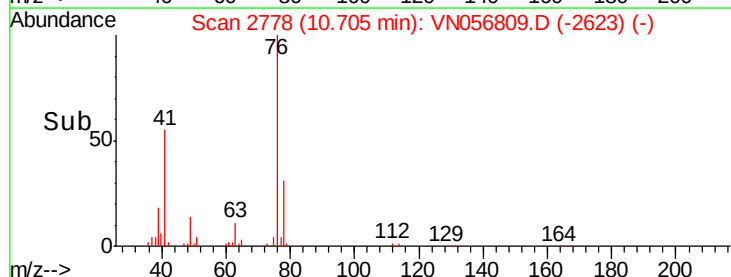
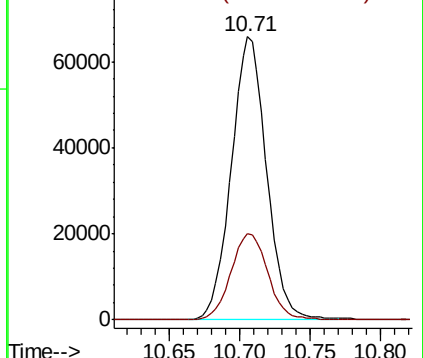
76 100

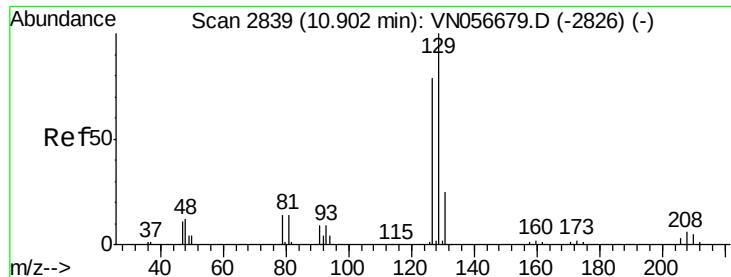
78 31.9 0.0 63.6



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0

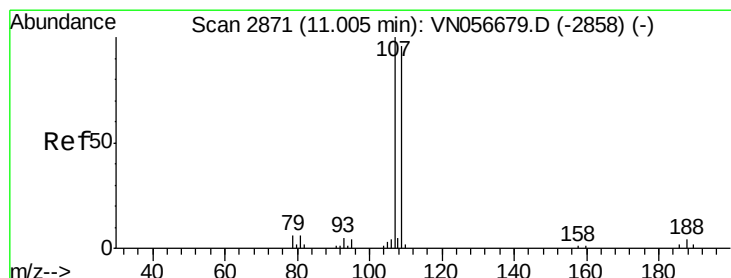
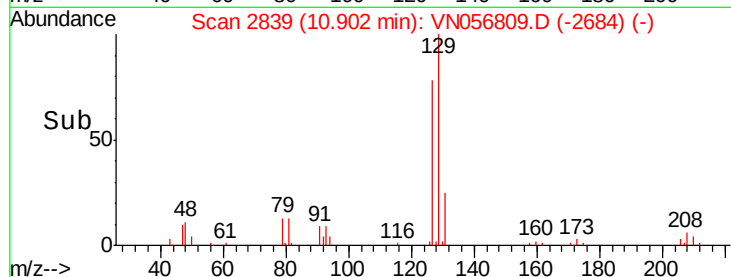
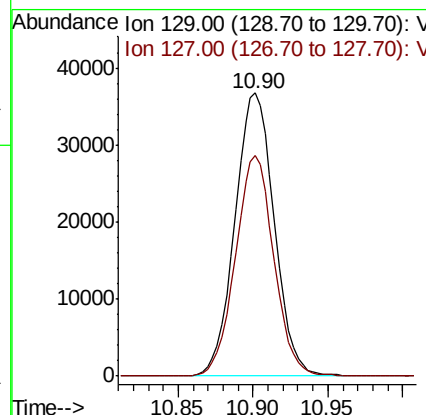
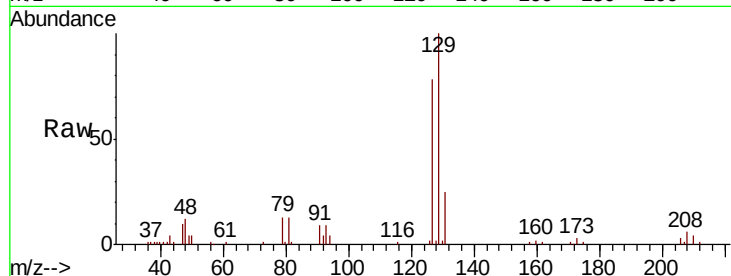




#53
Dibromochloromethane
Concen: 20.383 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN056809.D
Acq: 18 Jul 2019 12:52

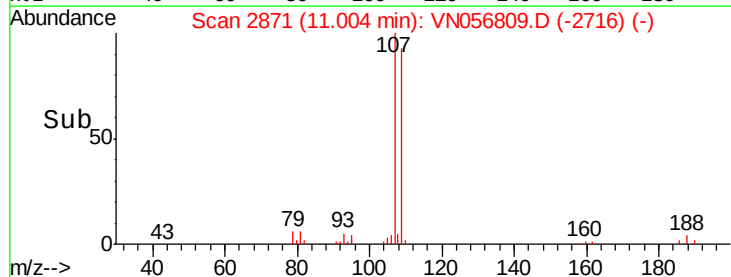
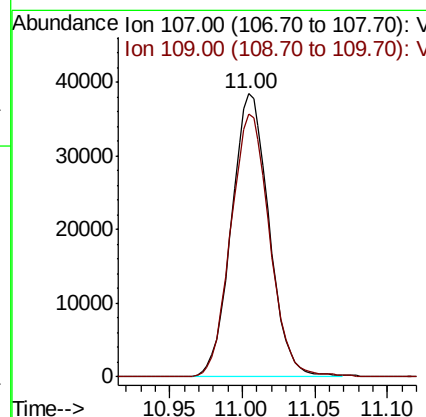
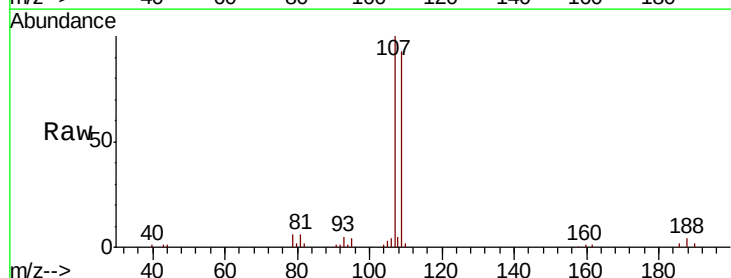
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

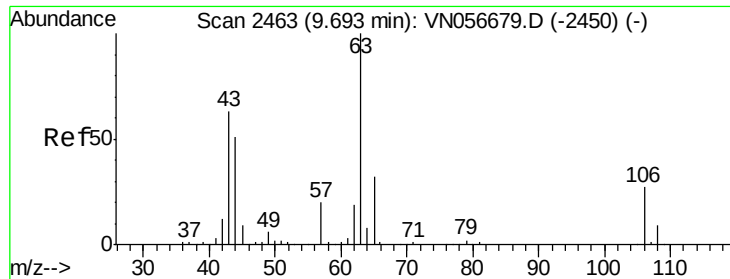
Tot Ion:129 Resp: 67094
Ion Ratio Lower Upper
129 100
127 76.1 38.7 116.1



#54
1,2-Dibromoethane
Concen: 20.447 ug/l
RT: 11.00 min Scan# 2871
Delta R.T. -0.00 min
Lab File: VN056809.D
Acq: 18 Jul 2019 12:52

Tgt Ion:107 Resp: 69212
Ion Ratio Lower Upper
107 100
109 95.3 77.9 116.9

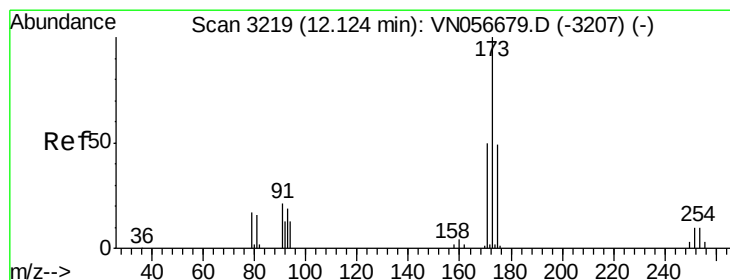
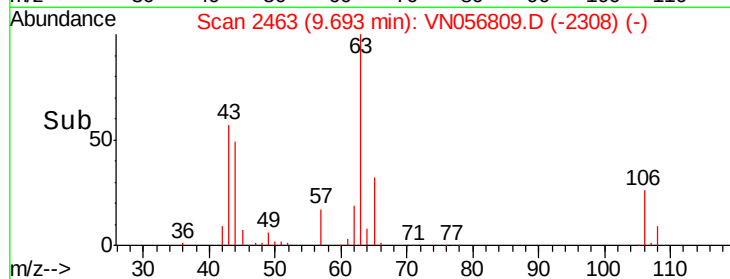
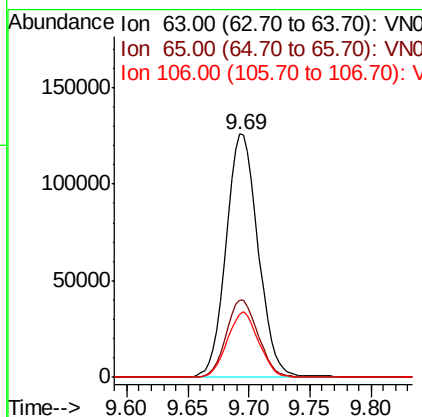
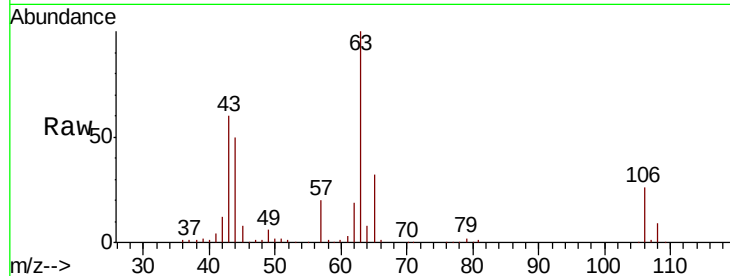




#55
2-Chloroethyl vinyl ether
Concen: 95.581 ug/l
RT: 9.69 min Scan# 2463
Delta R.T. -0.00 min
Lab File: VN056809.D
Acq: 18 Jul 2019 12:52

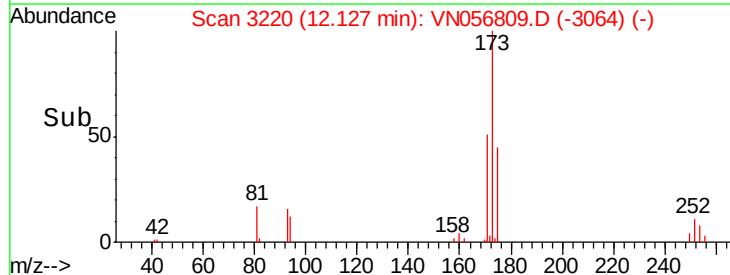
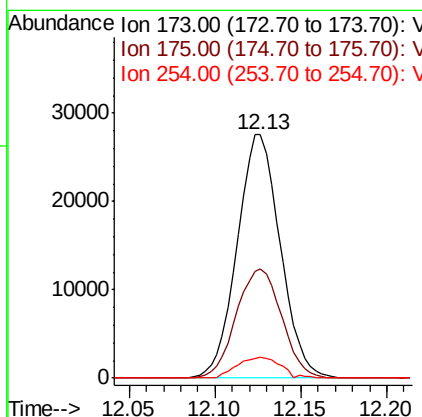
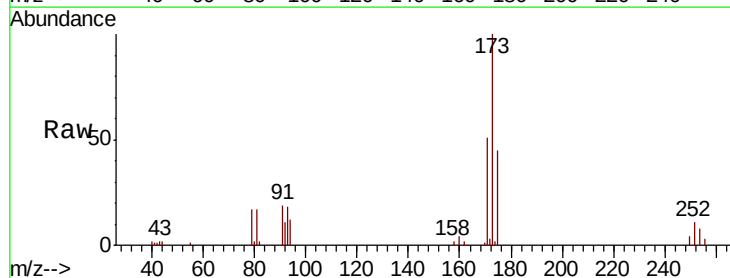
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

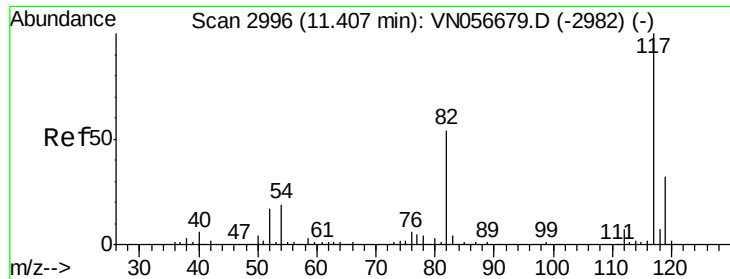
Tot Ion: 63 Resp: 231553
Ion Ratio Lower Upper
63 100
65 31.7 25.2 37.8
106 26.5 21.6 32.4



#56
Bromoform
Concen: 19.728 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN056809.D
Acq: 18 Jul 2019 12:52

Tgt Ion: 173 Resp: 48072
Ion Ratio Lower Upper
173 100
175 47.2 39.7 59.5
254 8.4 7.8 11.8

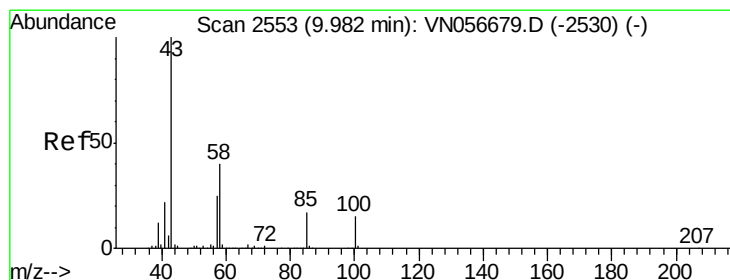
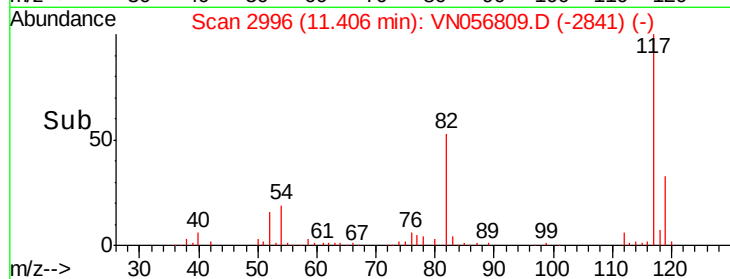
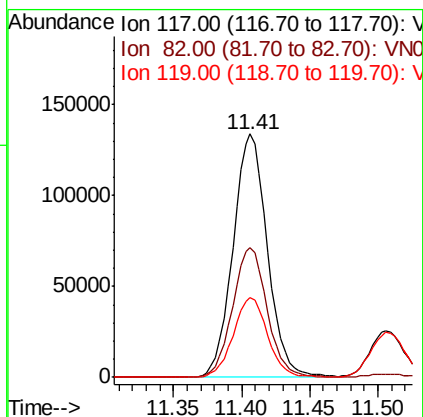
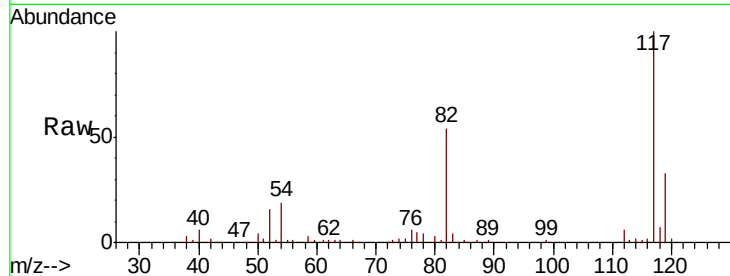




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN056809.D
Acq: 18 Jul 2019 12:52

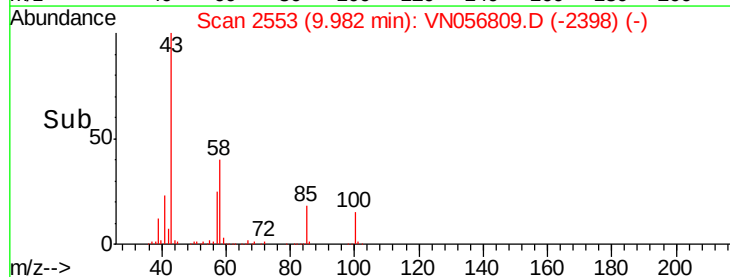
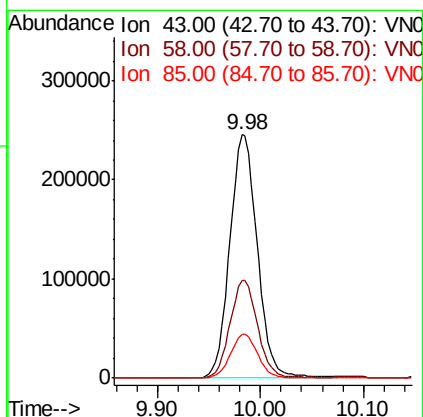
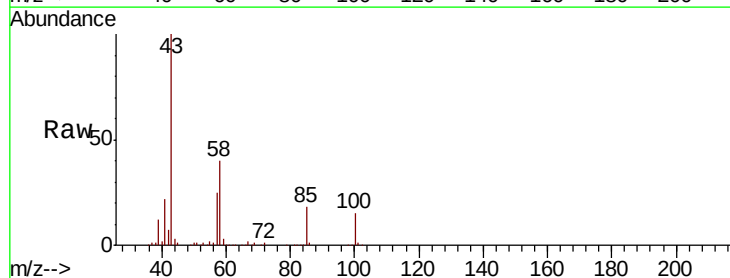
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

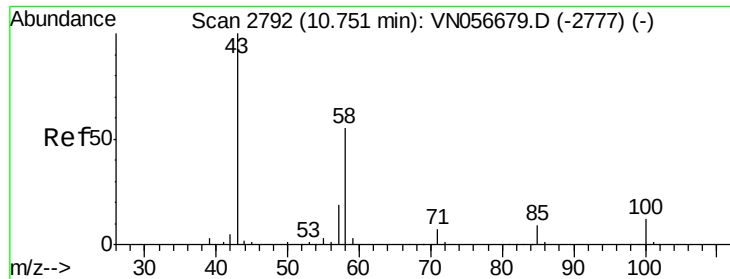
Tot Ion:117 Resp: 233638
Ion Ratio Lower Upper
117 100
82 53.7 43.0 64.4
119 32.8 26.0 39.0



#58
4-Methyl-2-Pentanone
Concen: 103.757 ug/l
RT: 9.98 min Scan# 2553
Delta R.T. -0.00 min
Lab File: VN056809.D
Acq: 18 Jul 2019 12:52

Tgt Ion: 43 Resp: 456261
Ion Ratio Lower Upper
43 100
58 40.0 31.9 47.9
85 17.9 14.2 21.4

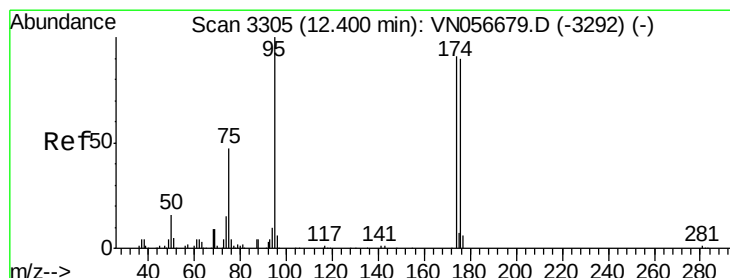
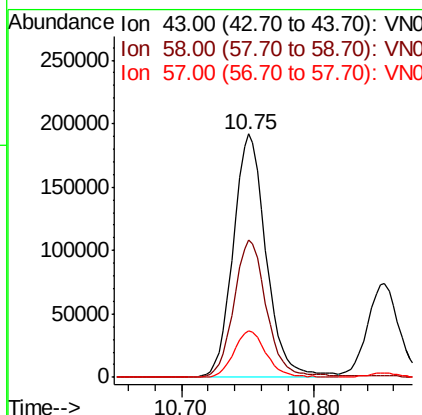
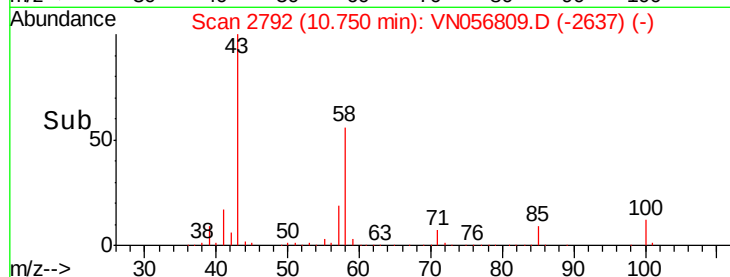
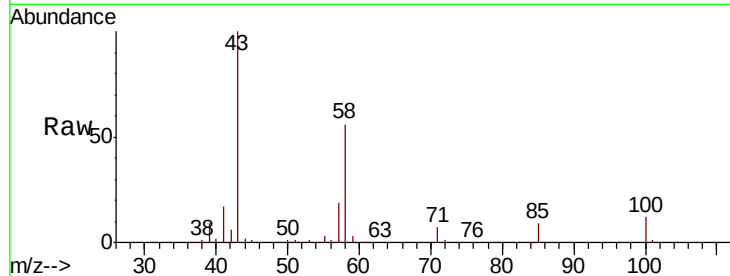




#59
2-Hexanone
Concen: 98.860 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN056809.D
Acq: 18 Jul 2019 12:52

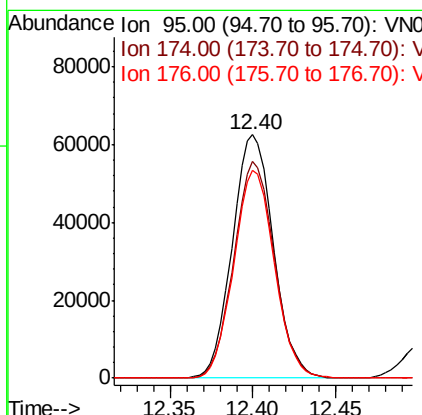
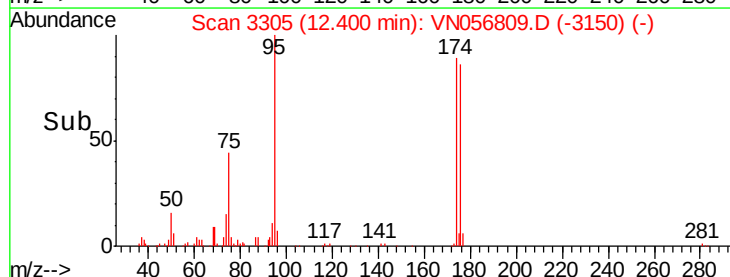
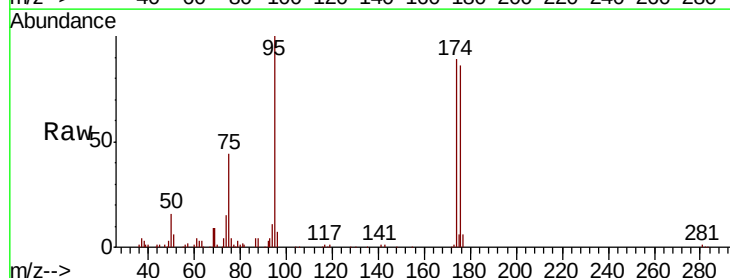
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

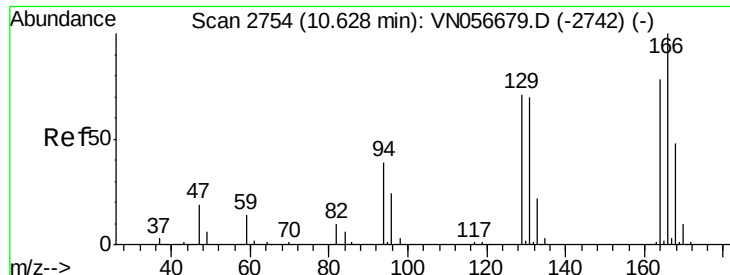
Tot Ion: 43 Resp: 329993
Ion Ratio Lower Upper
43 100
58 56.4 44.4 66.6
57 18.8 15.2 22.8



#60
4-Bromofluorobenzene
Concen: 30.102 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN056809.D
Acq: 18 Jul 2019 12:52

Tgt Ion: 95 Resp: 107635
Ion Ratio Lower Upper
95 100
174 88.2 72.6 108.8
176 84.6 71.0 106.6





#61

Tetrachloroethene

Concen: 22.034 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. 0.00 min

Lab File: VN056809.D

Acq: 18 Jul 2019 12:52

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion:164 Resp: 73973

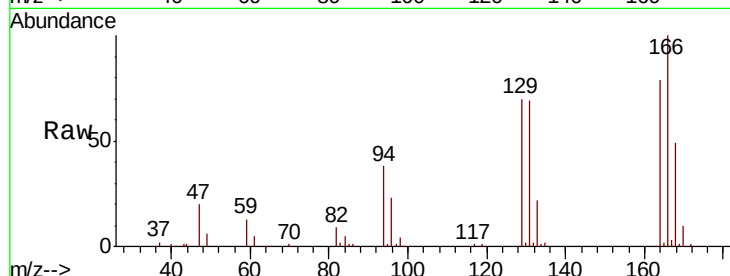
Ion Ratio Lower Upper

164 100

166 126.6 102.3 153.5

129 88.9 72.6 108.8

131 86.8 71.4 107.2

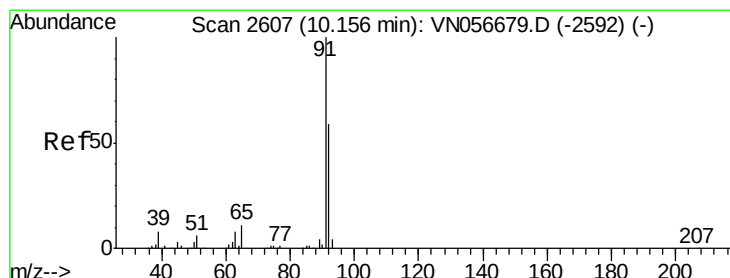
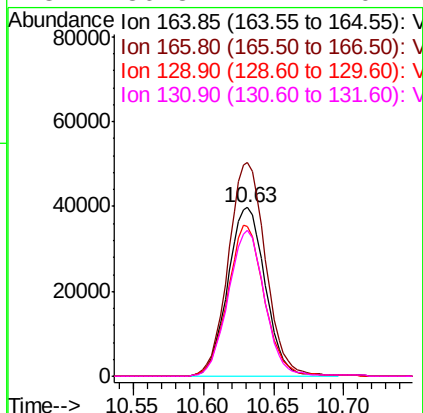
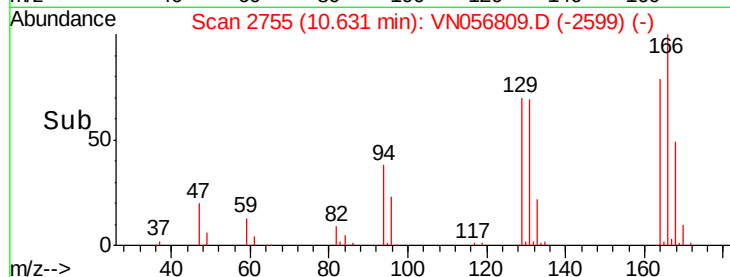


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 20.825 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN056809.D

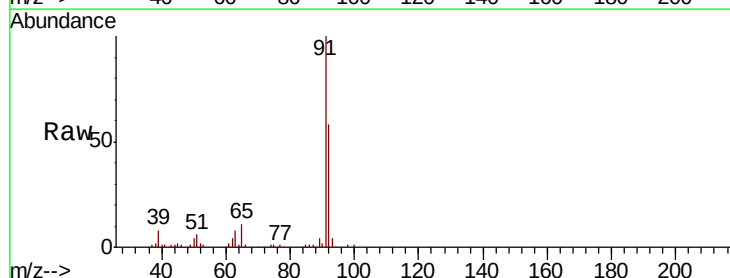
Acq: 18 Jul 2019 12:52

Tgt Ion: 91 Resp: 285772

Ion Ratio Lower Upper

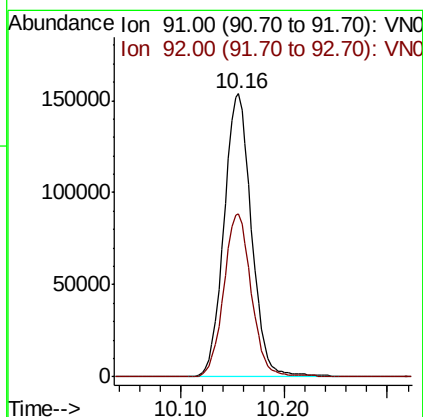
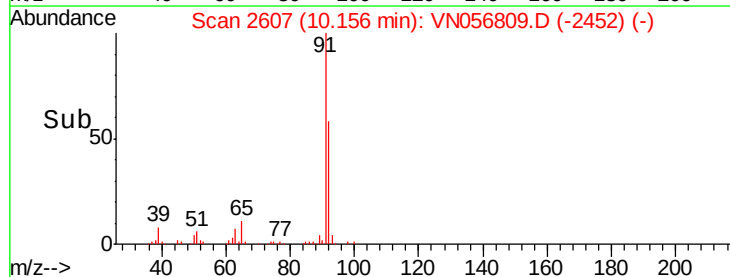
91 100

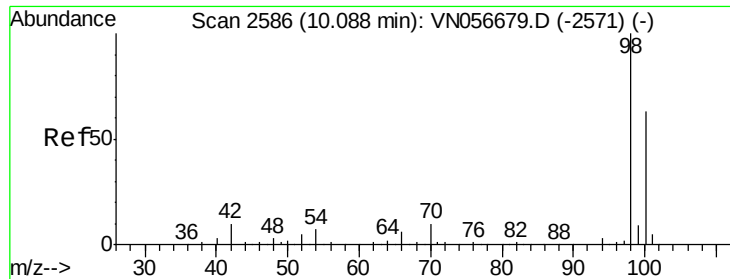
92 57.8 46.7 70.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 92.00 (91.70 to 92.70): VN0





#63

Toluene-d8

Concen: 30.367 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN056809.D

Acq: 18 Jul 2019 12:52

Instrument :

MSVOA_N

ClientSampleId :

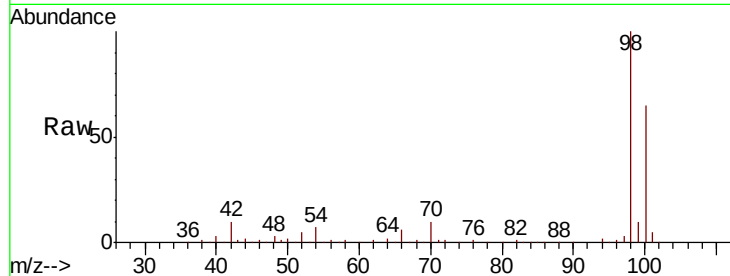
VSTDCCC020EC

Tot Ion: 98 Resp: 324174

Ion Ratio Lower Upper

98 100

100 64.0 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VN056679.D (-2571) (-)

Ion 100.00 (99.70 to 100.70): VN056679.D (-2571) (-)

10.09

150000

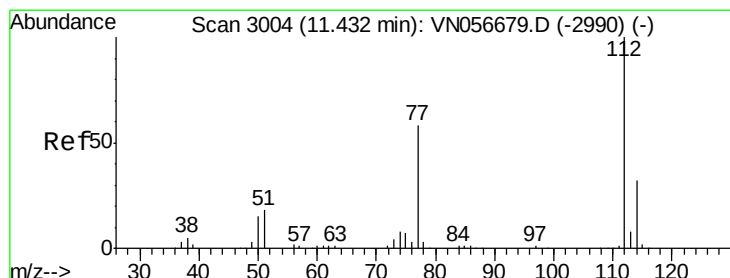
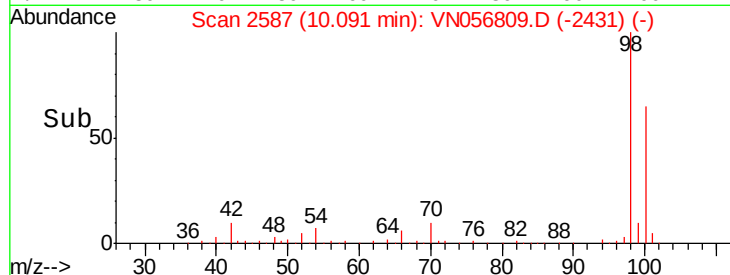
100000

50000

0

10.00 10.10 10.20

Time-->



#64

Chlorobenzene

Concen: 20.485 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN056809.D

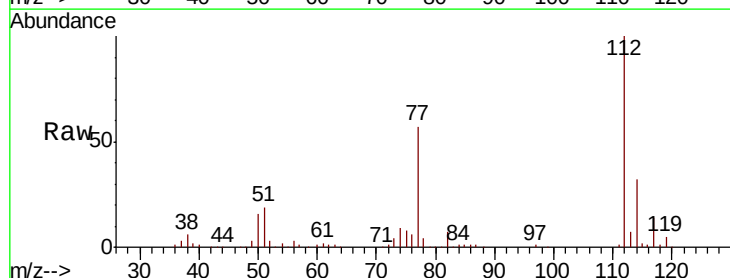
Acq: 18 Jul 2019 12:52

Tgt Ion: 112 Resp: 171450

Ion Ratio Lower Upper

112 100

114 32.2 25.3 37.9



Abundance Ion 112.00 (111.70 to 112.70): VN056679.D (-2990) (-)

Ion 114.00 (113.70 to 114.70): VN056679.D (-2990) (-)

11.43

100000

80000

60000

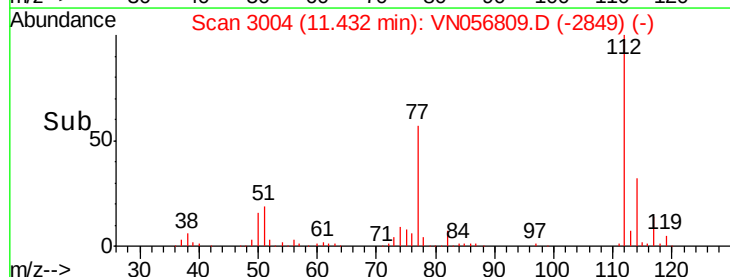
40000

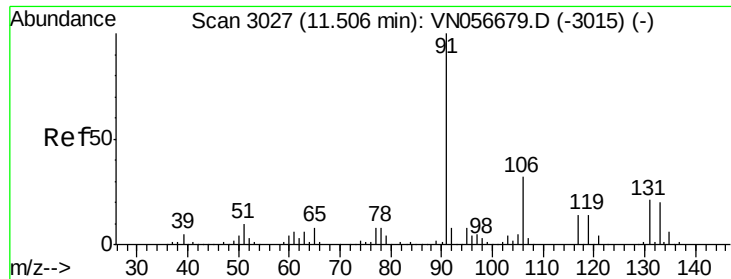
20000

0

11.35 11.40 11.45 11.50

Time-->





#65

1,1,1,2-Tetrachloroethane

Concen: 21.288 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN056809.D

Acq: 18 Jul 2019 12:52

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

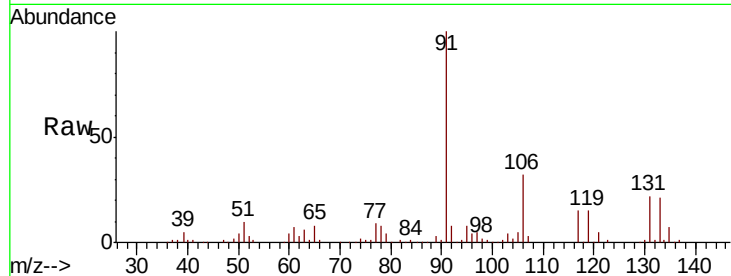
Tot Ion:131 Resp: 65323

Ion Ratio Lower Upper

131 100

133 94.3 0.0 191.4

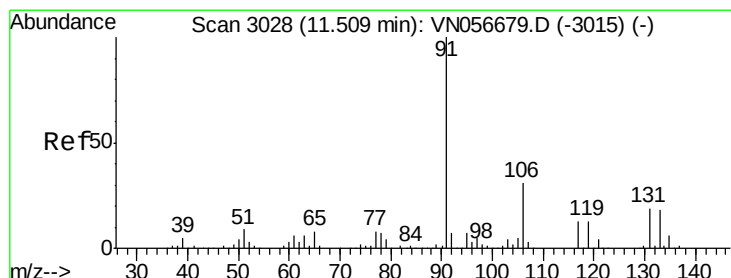
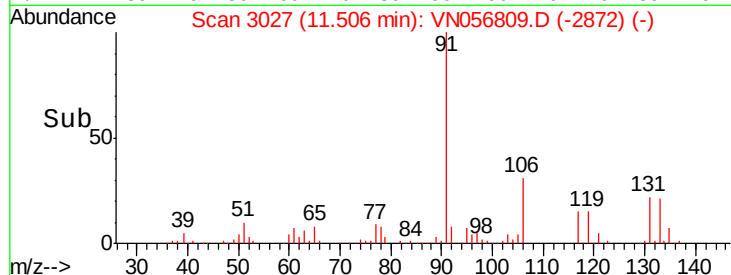
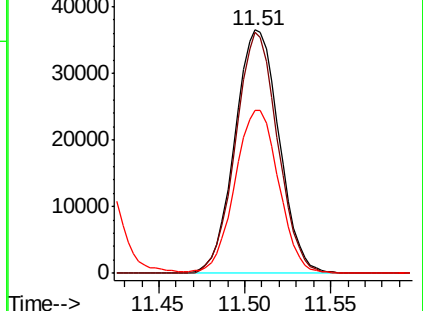
119 66.3 0.0 133.4



Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V



#66

Ethyl Benzene

Concen: 20.210 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN056809.D

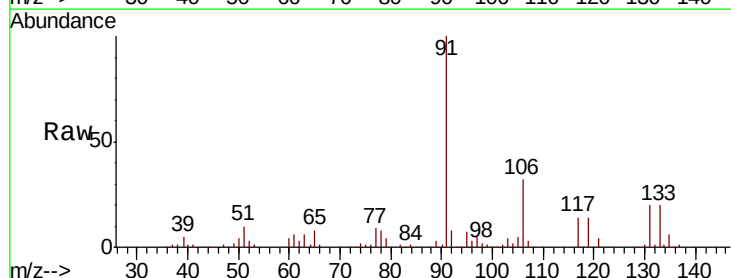
Acq: 18 Jul 2019 12:52

Tgt Ion: 91 Resp: 299783

Ion Ratio Lower Upper

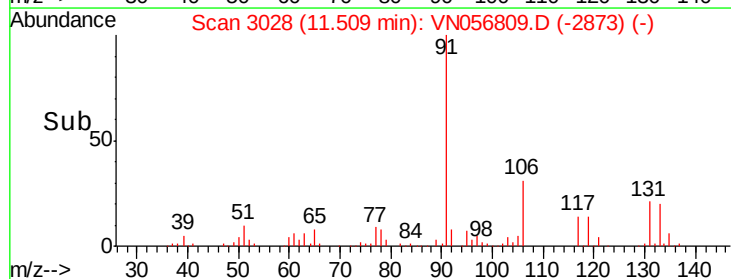
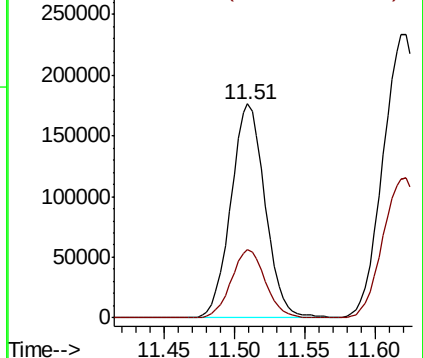
91 100

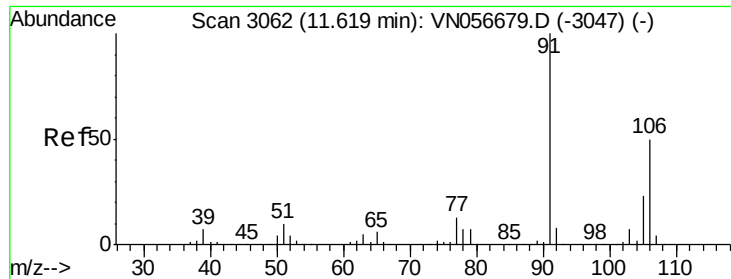
106 32.0 25.1 37.7



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 106.00 (105.70 to 106.70): V

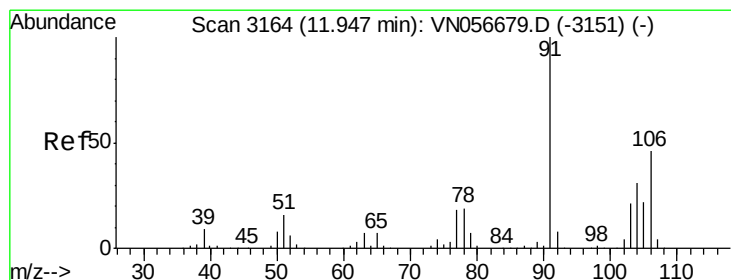
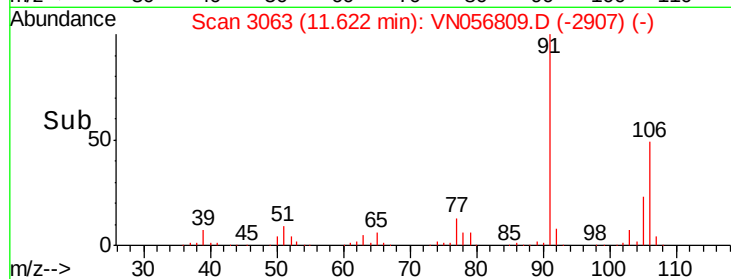
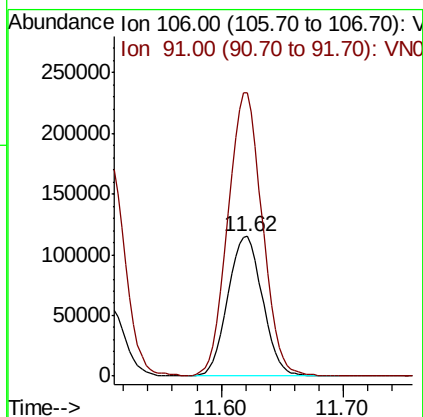
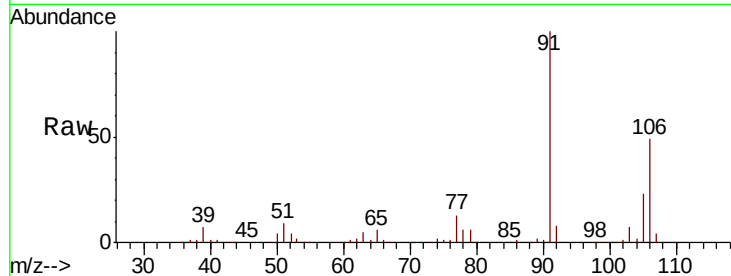




#67
m/p-Xylenes
Concen: 40.802 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN056809.D
Acq: 18 Jul 2019 12:52

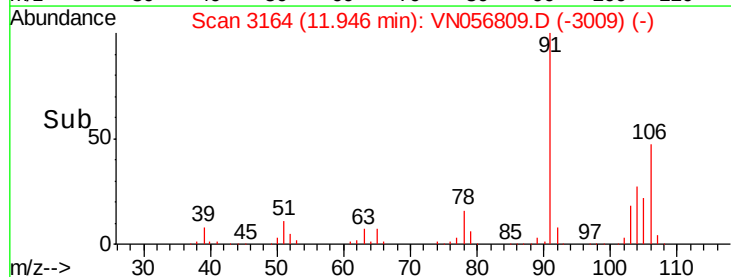
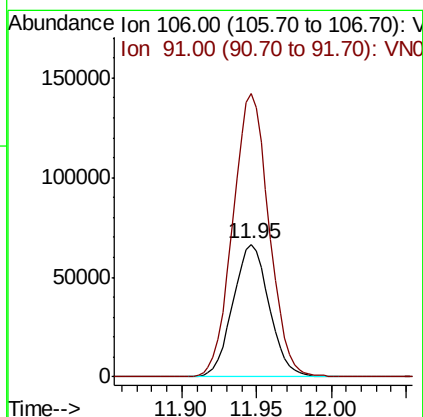
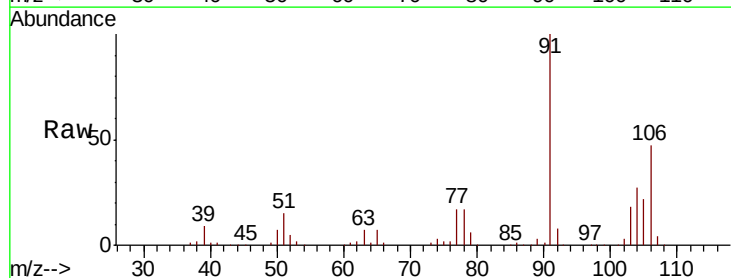
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

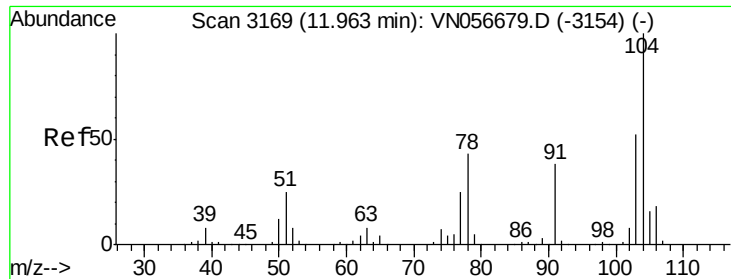
Tot Ion:106 Resp: 228406
Ion Ratio Lower Upper
106 100
91 200.3 161.8 242.8



#68
o-Xylene
Concen: 20.580 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN056809.D
Acq: 18 Jul 2019 12:52

Tgt Ion:106 Resp: 112369
Ion Ratio Lower Upper
106 100
91 212.9 108.1 324.2

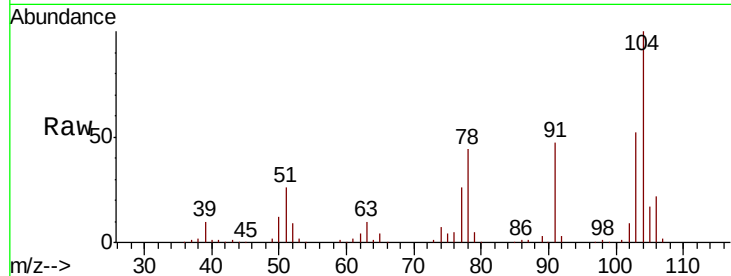




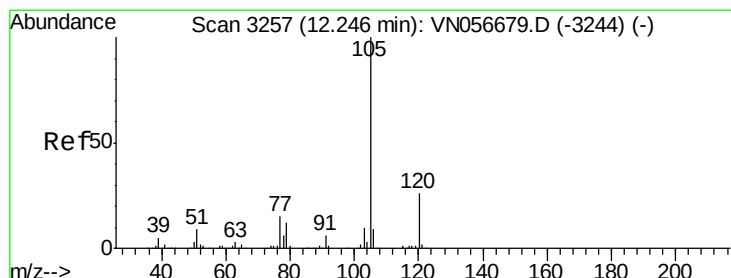
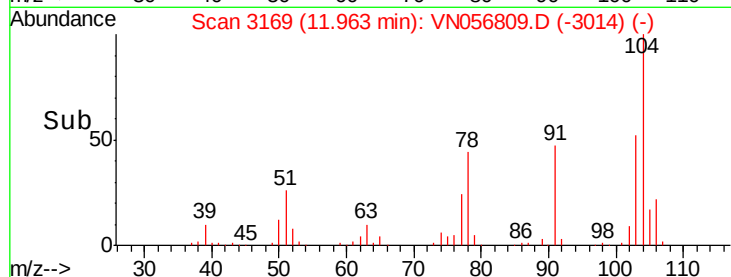
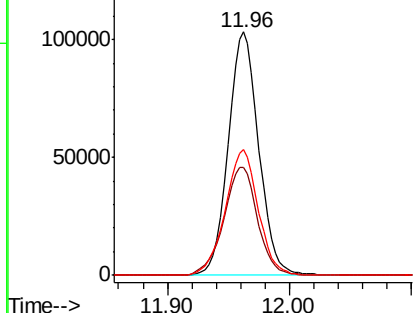
#69
Stvrene
Concen: 19.842 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN056809.D
Acq: 18 Jul 2019 12:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion:104 Resp: 179520
Ion Ratio Lower Upper
104 100
78 49.2 38.7 58.1
103 56.0 45.0 67.4

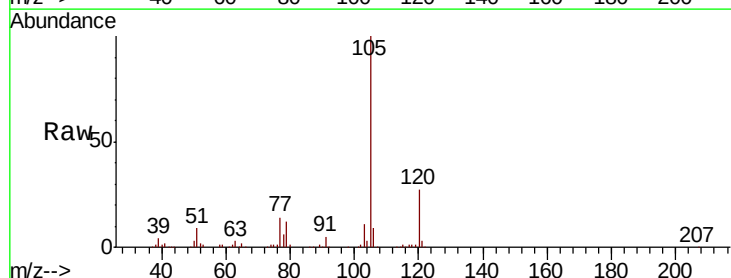


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): V
Ion 103.00 (102.70 to 103.70): V

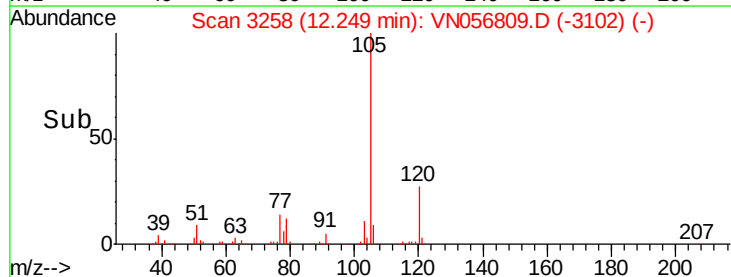
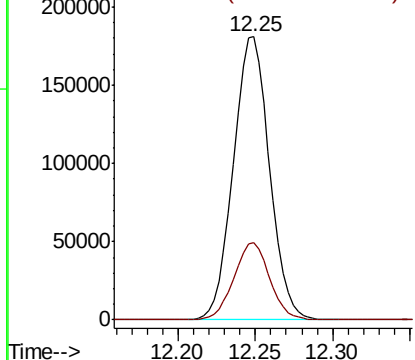


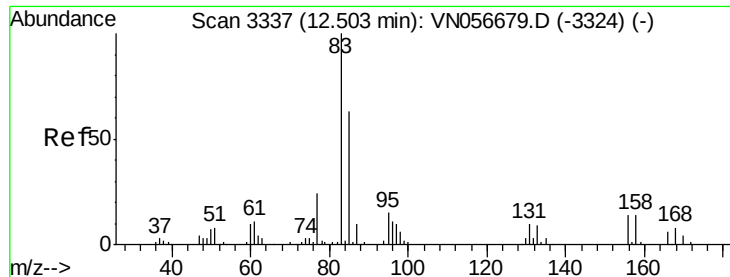
#70
Isopropylbenzene
Concen: 20.501 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN056809.D
Acq: 18 Jul 2019 12:52

Tgt Ion:105 Resp: 293405
Ion Ratio Lower Upper
105 100
120 27.0 18.6 34.5



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V

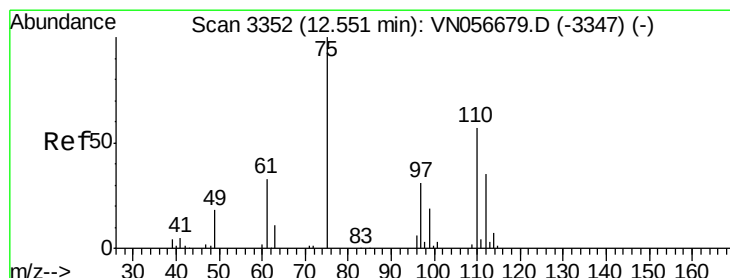
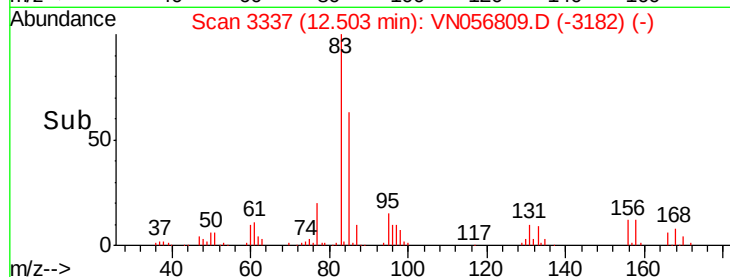
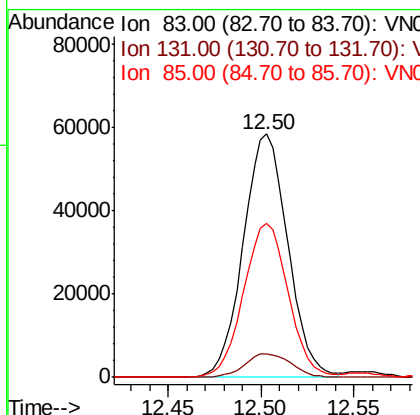
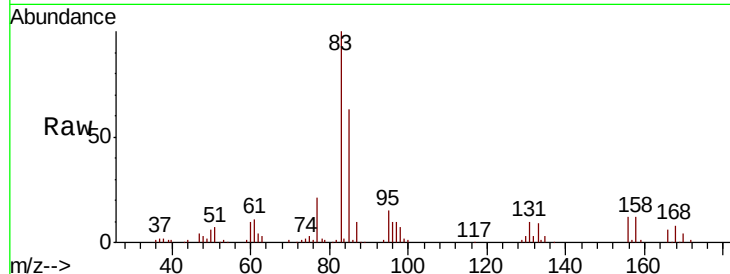




#71
 1,1,2,2-Tetrachloroethane
 Concen: 20.966 ug/l
 RT: 12.50 min Scan# 3337
 Delta R.T. -0.00 min
 Lab File: VN056809.D
 Acq: 18 Jul 2019 12:52

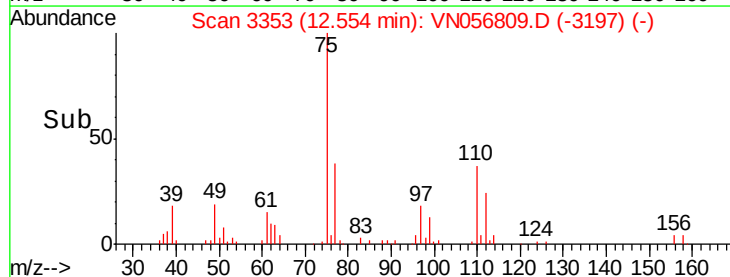
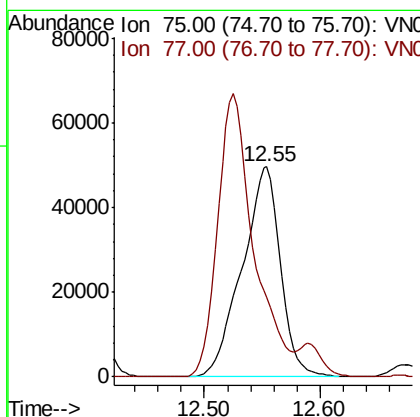
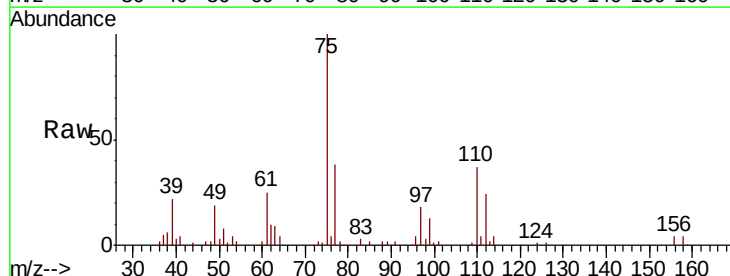
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

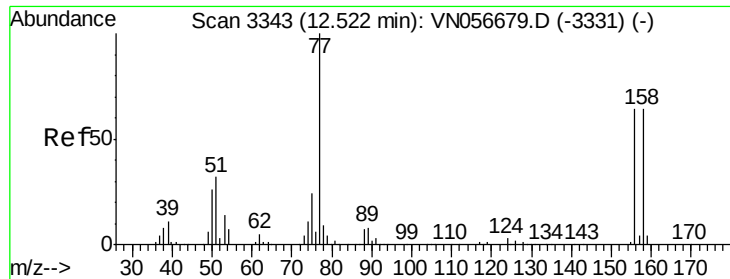
Tot Ion	83	Resp	97393
Ion Ratio	Lower	Upper	
83	100		
131	10.1	5.1	15.3
85	63.4	31.9	95.7



#72
 1,2,3-Trichloropropane
 Concen: 28.867 ug/l
 RT: 12.55 min Scan# 3353
 Delta R.T. 0.00 min
 Lab File: VN056809.D
 Acq: 18 Jul 2019 12:52

Tgt Ion	75	Resp	114609
Ion Ratio	Lower	Upper	
75	100		
77	126.7	0.0	352.2





#73

Bromobenzene

Concen: 20.223 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN056809.D

Acq: 18 Jul 2019 12:52

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

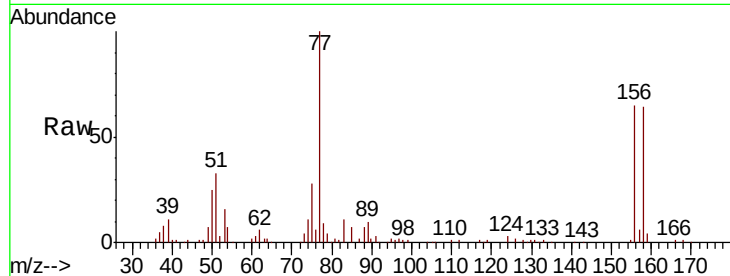
Tot Ion:156 Resp: 75633

Ion Ratio Lower Upper

156 100

77 191.9 0.0 381.8

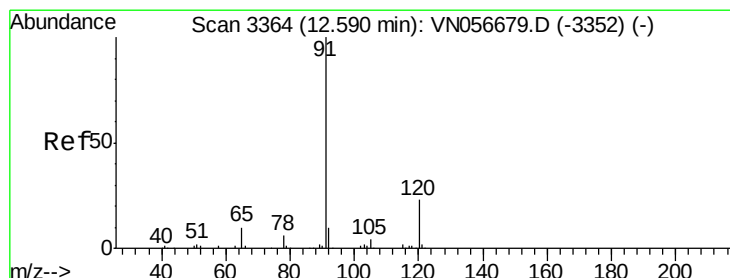
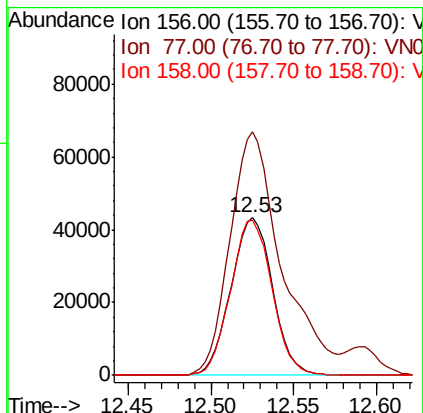
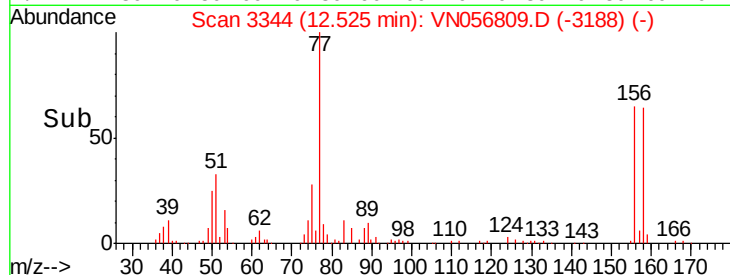
158 98.2 0.0 195.8



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: 19.881 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN056809.D

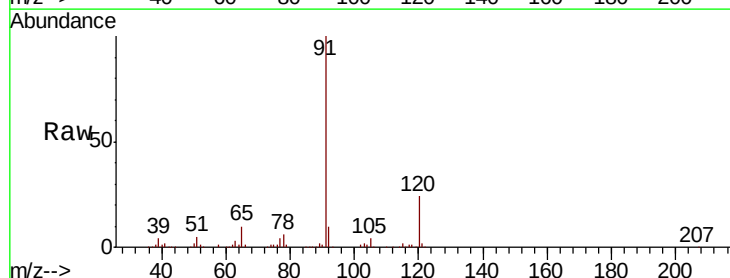
Acq: 18 Jul 2019 12:52

Tgt Ion: 91 Resp: 321009

Ion Ratio Lower Upper

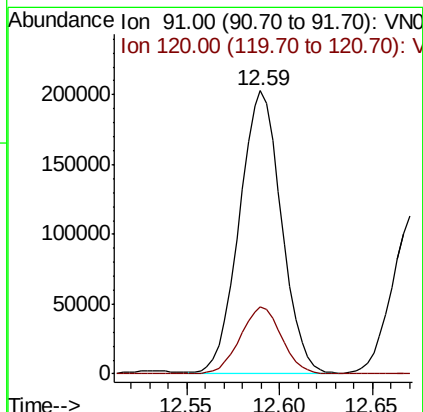
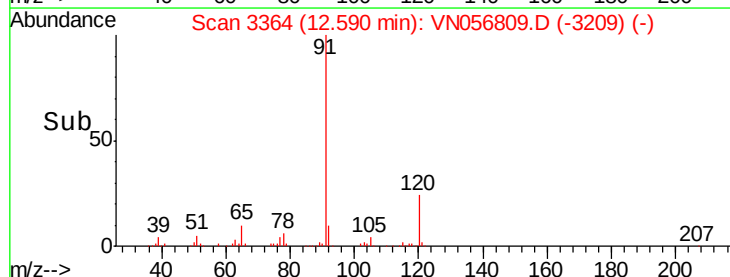
91 100

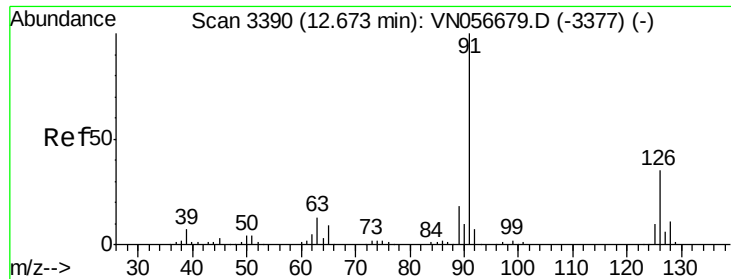
120 23.2 0.0 45.6



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 19.965 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN056809.D

Acq: 18 Jul 2019 12:52

Instrument :

MSVOA_N

ClientSampleId :

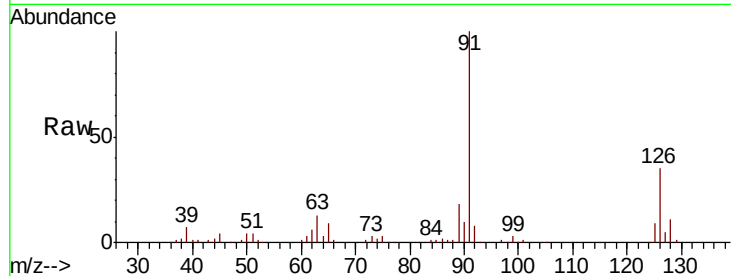
VSTDCCC020EC

Tot Ion: 91 Resp: 194153

Ion Ratio Lower Upper

91 100

126 35.5 0.0 69.8



Abundance Ion 91.00 (90.70 to 91.70): VN056679.D (-3377) (-)

Ion 126.00 (125.70 to 126.70): VN056679.D (-3377) (-)

200000

150000

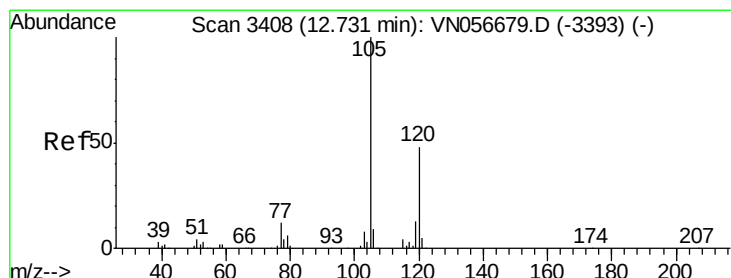
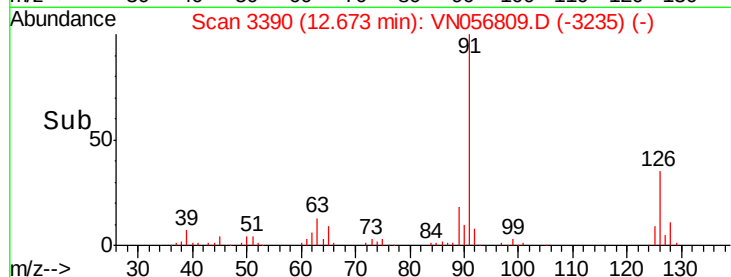
100000

50000

0

12.60 12.65 12.70

Time-->



#76

1,3,5-Trimethylbenzene

Concen: 20.388 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN056809.D

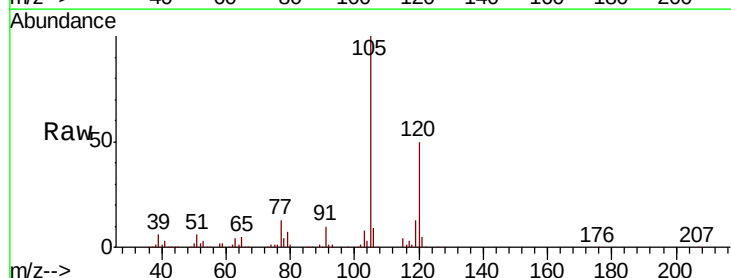
Acq: 18 Jul 2019 12:52

Tgt Ion: 105 Resp: 248884

Ion Ratio Lower Upper

105 100

120 49.0 0.0 97.6



Abundance Ion 105.00 (104.70 to 105.70): VN056679.D (-3393) (-)

Ion 120.00 (119.70 to 120.70): VN056679.D (-3393) (-)

150000

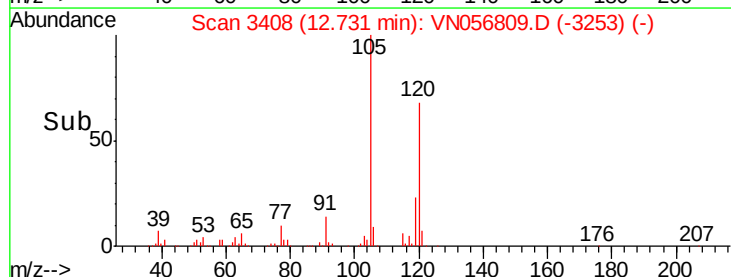
100000

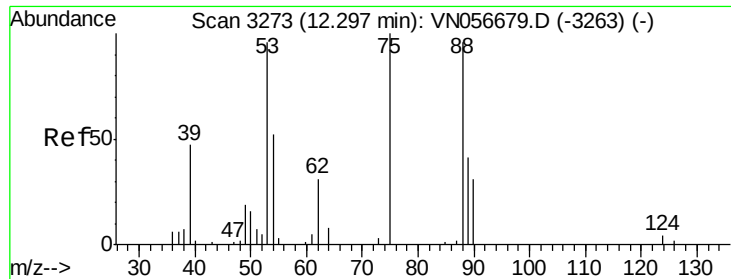
50000

0

12.65 12.70 12.75 12.80

Time-->





#77

t-1,4-Dichloro-2-butene

Concen: 18.293 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN056809.D

Acq: 18 Jul 2019 12:52

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

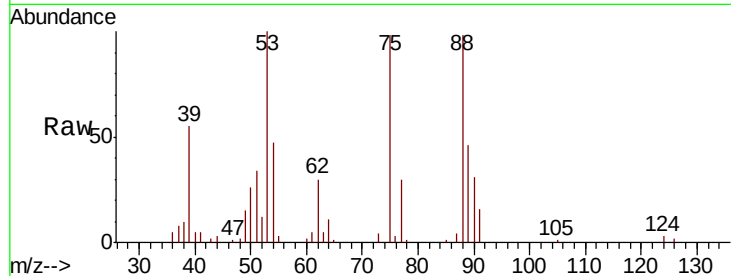
Tot Ion: 75 Resp: 24143

Ion Ratio Lower Upper

75 100

53 100.6 48.6 145.8

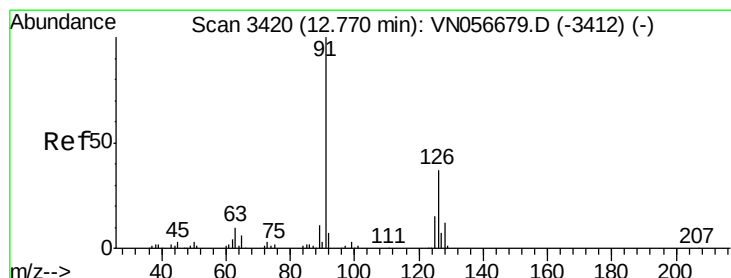
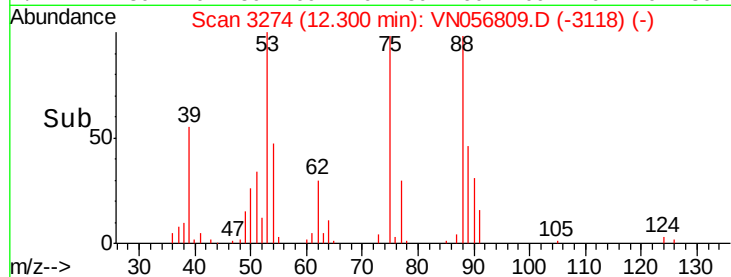
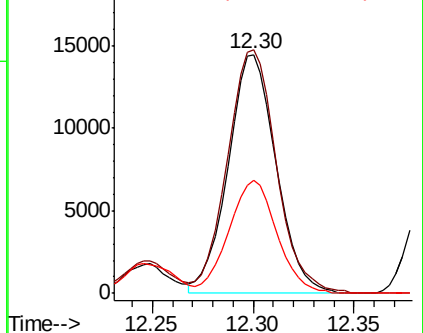
89 47.1 21.3 64.0



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 89.00 (88.70 to 89.70): VN0



#78

4-Chlorotoluene

Concen: 19.432 ug/l

RT: 12.77 min Scan# 3420

Delta R.T. -0.00 min

Lab File: VN056809.D

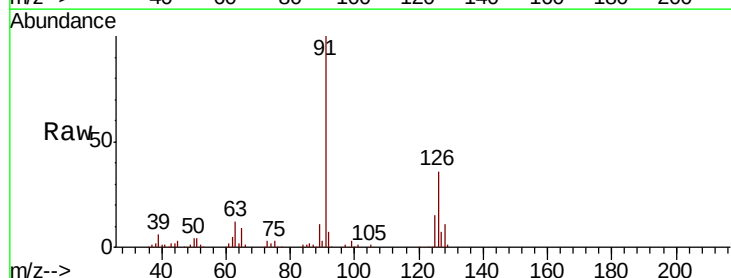
Acq: 18 Jul 2019 12:52

Tgt Ion: 91 Resp: 183245

Ion Ratio Lower Upper

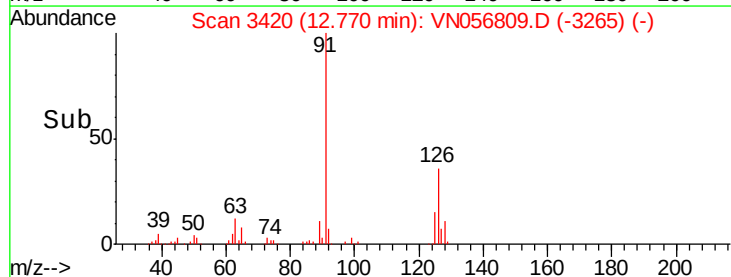
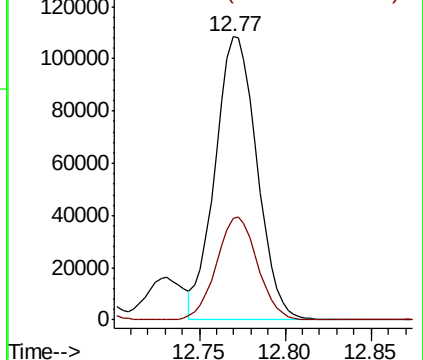
91 100

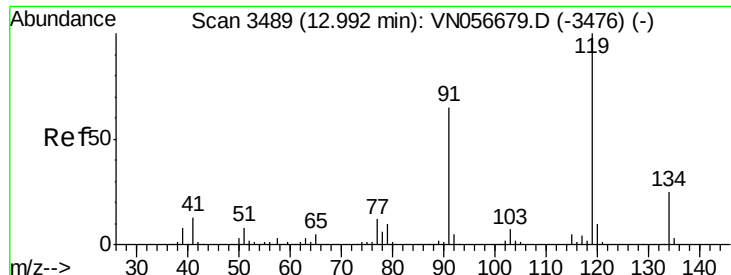
126 35.8 0.0 69.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 126.00 (125.70 to 126.70): V

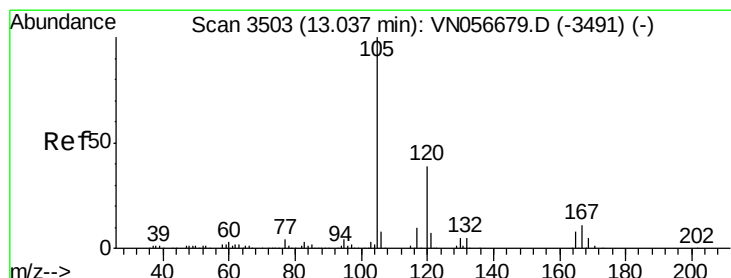
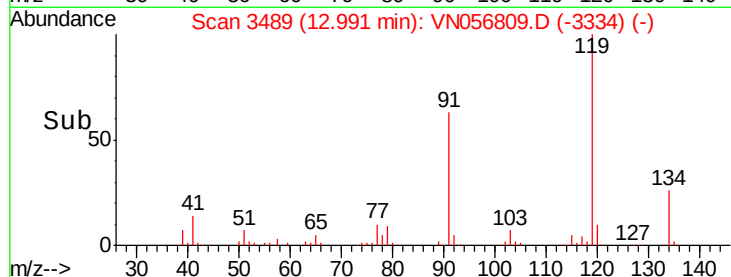
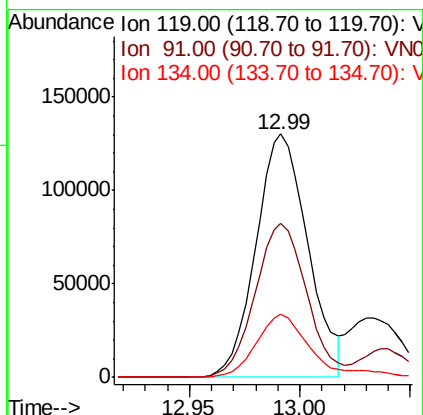
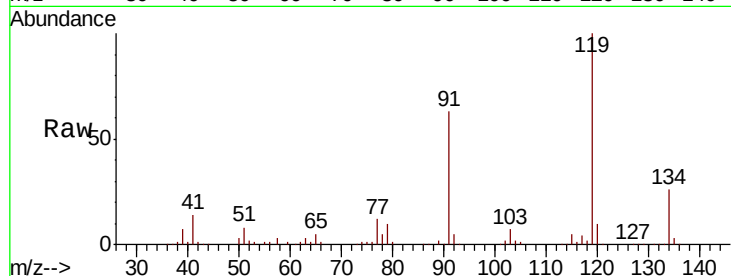




#79
tert-butylbenzene
Concen: 20.506 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. -0.00 min
Lab File: VN056809.D
Acq: 18 Jul 2019 12:52

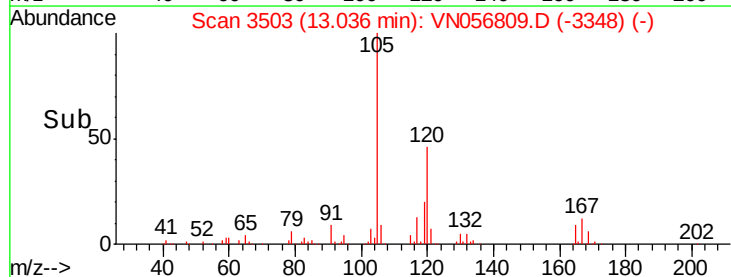
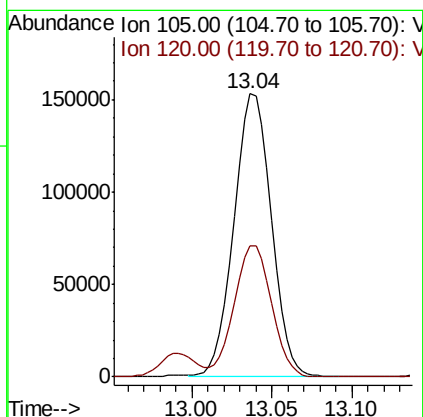
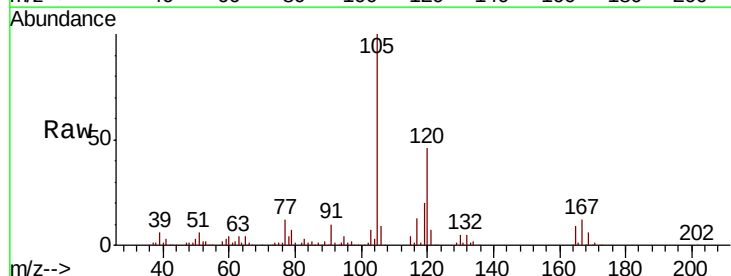
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

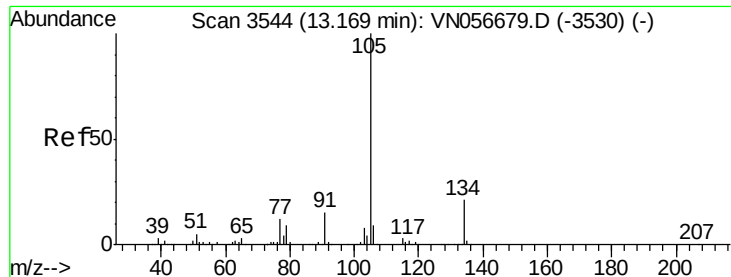
Tot Ion:119 Resp: 212945
Ion Ratio Lower Upper
119 100
91 62.9 0.0 125.4
134 26.0 0.0 48.4



#80
1,2,4-Trimethylbenzene
Concen: 20.162 ug/l
RT: 13.04 min Scan# 3503
Delta R.T. -0.00 min
Lab File: VN056809.D
Acq: 18 Jul 2019 12:52

Tgt Ion:105 Resp: 244098
Ion Ratio Lower Upper
105 100
120 46.1 0.0 91.2





#81

sec-Butylbenzene

Concen: 19.982 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. -0.00 min

Lab File: VN056809.D

Acq: 18 Jul 2019 12:52

Instrument :

MSVOA_N

ClientSampleId :

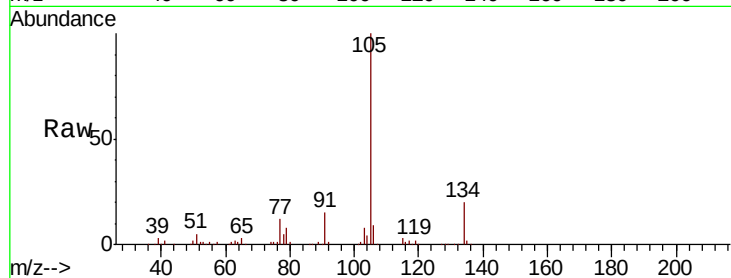
VSTDCCC020EC

Tot Ion:105 Resp: 274664

Ion Ratio Lower Upper

105 100

134 20.3 0.0 40.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

200000

150000

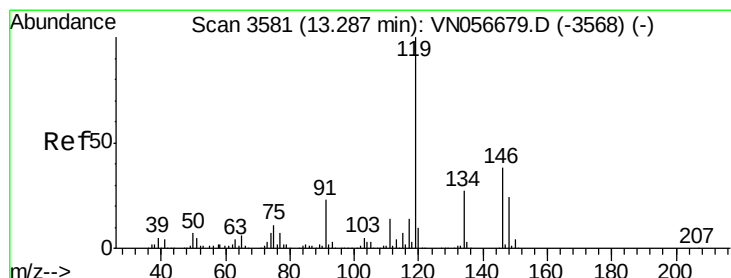
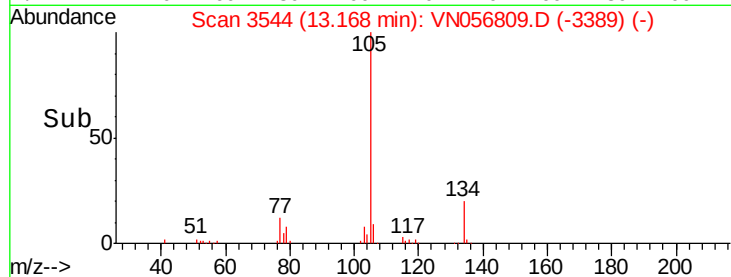
100000

50000

0

13.10 13.15 13.20

Time-->



#82

p-Isopropyltoluene

Concen: 20.009 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN056809.D

Acq: 18 Jul 2019 12:52

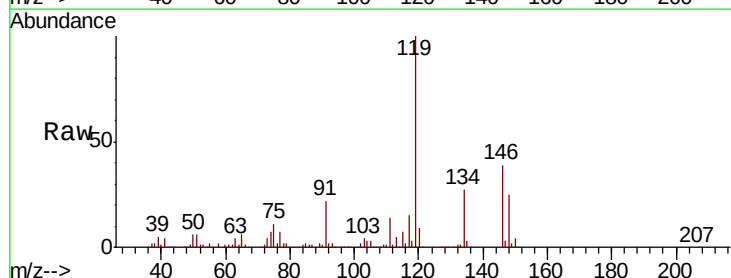
Tgt Ion:119 Resp: 250128

Ion Ratio Lower Upper

119 100

134 26.8 0.0 52.8

91 22.4 0.0 45.4



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

200000

150000

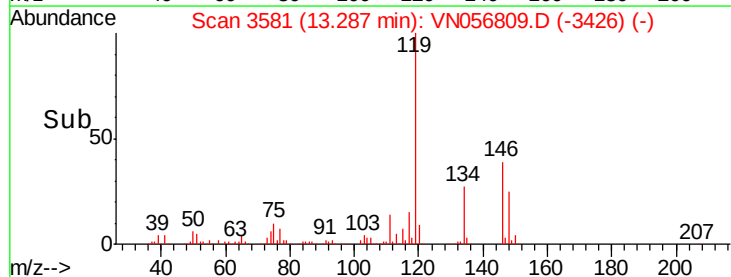
100000

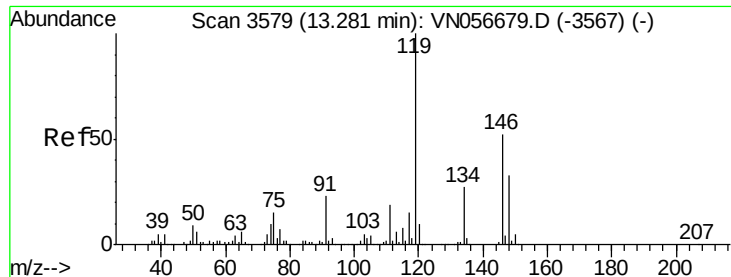
50000

0

13.20 13.25 13.30 13.35

Time-->



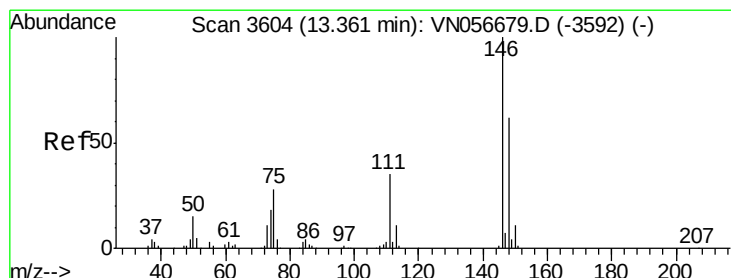
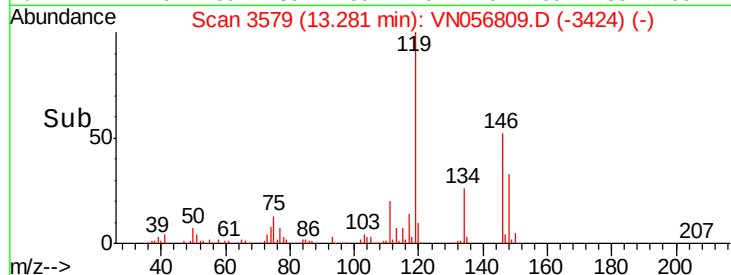
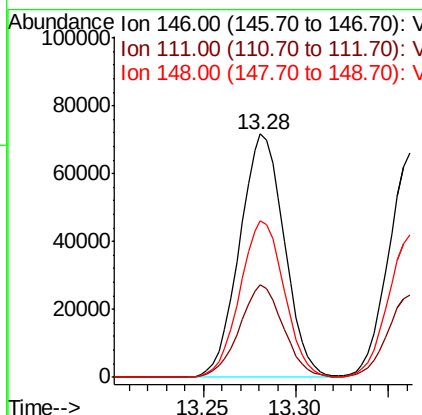
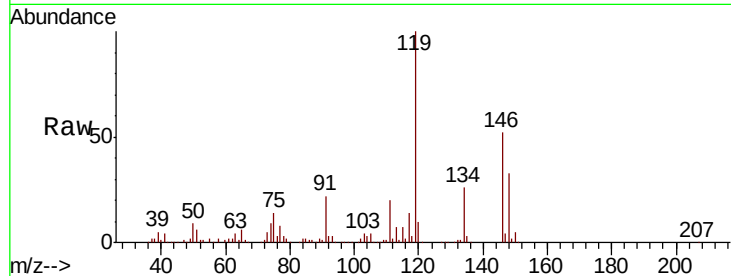


#83
 1,3-Dichlorobenzene
 Concen: 19.264 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN056809.D
 Acq: 18 Jul 2019 12:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion:146 Resp: 120083

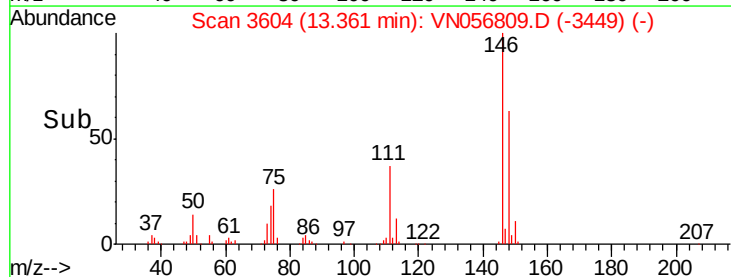
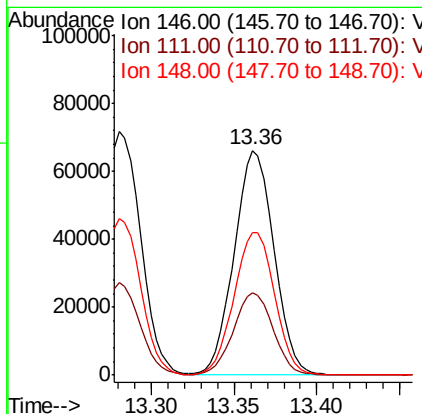
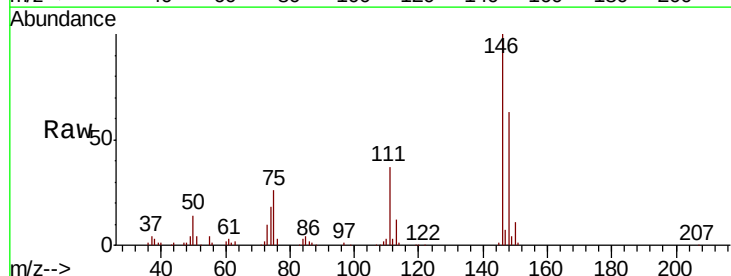
Ion	Ratio	Lower	Upper
146	100		
111	37.2	18.7	56.1
148	63.5	31.8	95.4

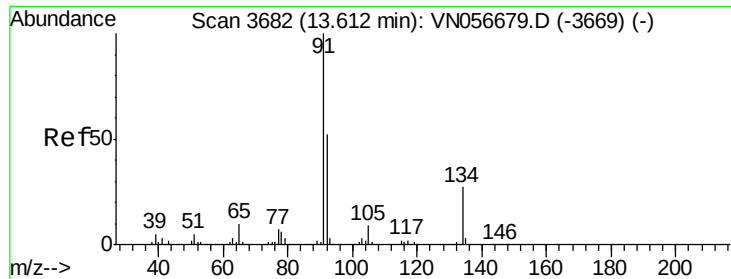


#84
 1,4-Dichlorobenzene
 Concen: 18.563 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. -0.00 min
 Lab File: VN056809.D
 Acq: 18 Jul 2019 12:52

Tgt Ion:146 Resp: 110915

Ion	Ratio	Lower	Upper
146	100		
111	36.5	17.8	53.4
148	64.7	31.9	95.5





#85

n-Butylbenzene

Concen: 18.277 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. -0.00 min

Lab File: VN056809.D

Acq: 18 Jul 2019 12:52

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

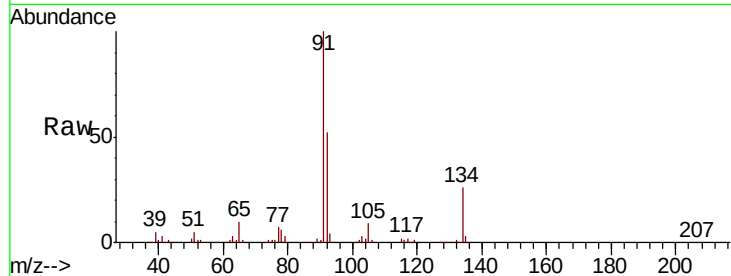
Tot Ion: 91 Resp: 188459

Ion Ratio Lower Upper

91 100

92 51.2 0.0 104.0

134 26.4 0.0 53.2



Abundance Ion 91.00 (90.70 to 91.70): VN056679.D (-3669) (-)

Ion 92.00 (91.70 to 92.70): VN056679.D (-3669) (-)

Ion 134.00 (133.70 to 134.70): VN056679.D (-3669) (-)

13.61

150000

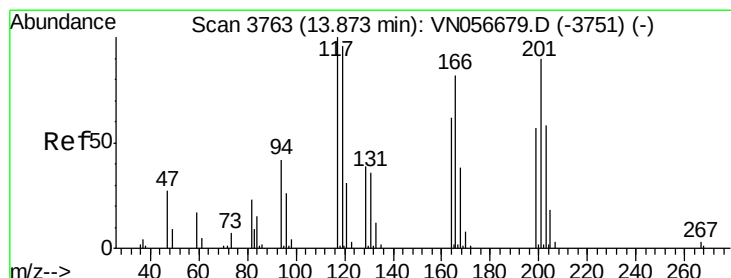
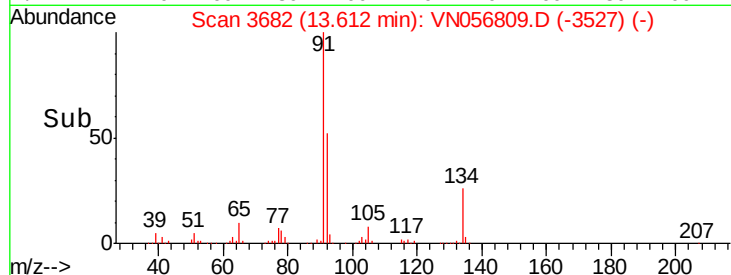
100000

50000

0

13.55 13.60 13.65

Time-->



#86

Hexachloroethane

Concen: 20.298 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. -0.00 min

Lab File: VN056809.D

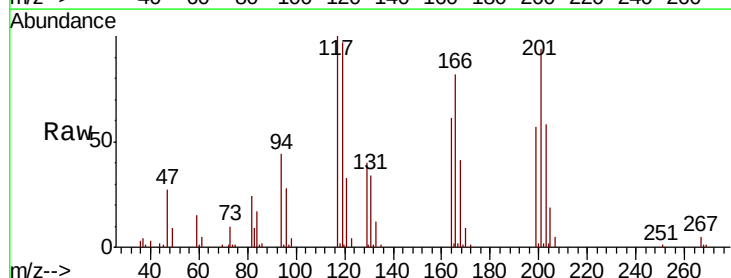
Acq: 18 Jul 2019 12:52

Tgt Ion: 117 Resp: 39812

Ion Ratio Lower Upper

117 100

201 92.1 45.6 136.7



Abundance Ion 117.00 (116.70 to 117.70): VN056679.D (-3751) (-)

Ion 201.00 (200.70 to 201.70): VN056679.D (-3751) (-)

13.87

25000

20000

15000

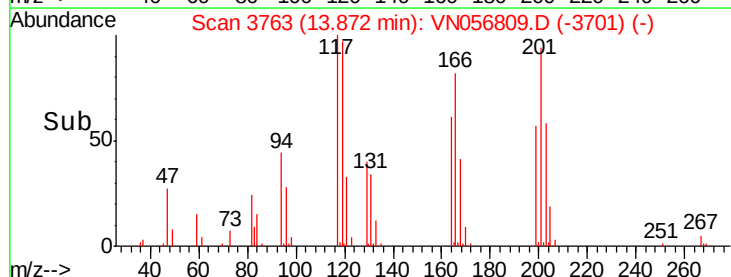
10000

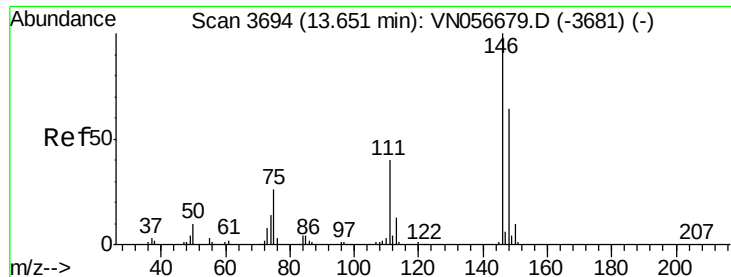
5000

0

13.80 13.85 13.90

Time-->

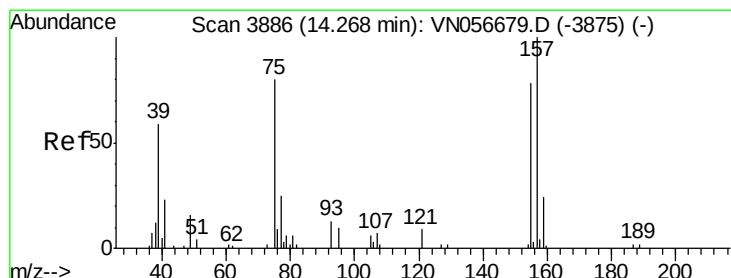
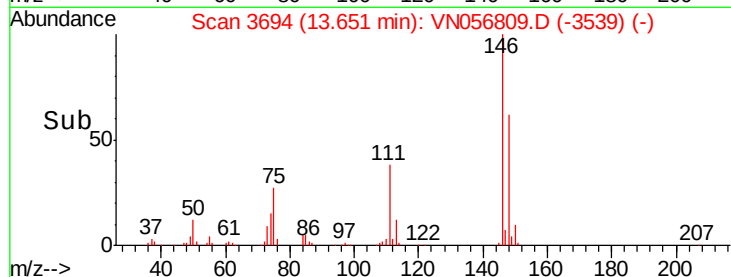
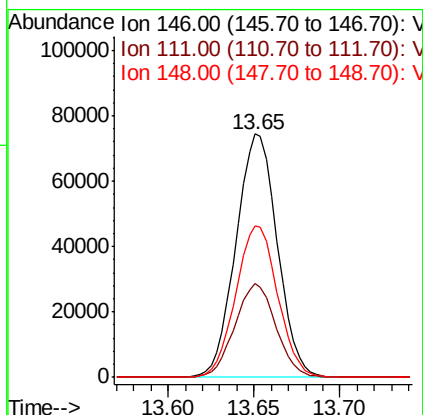
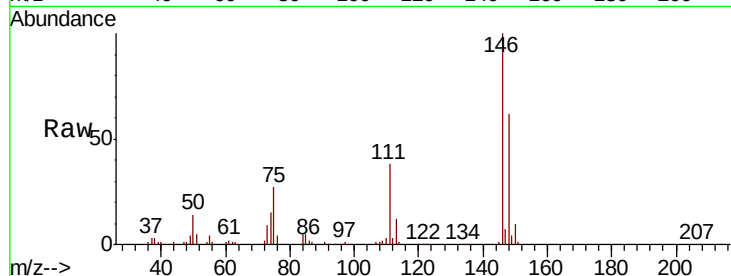




#87
 1,2-Dichlorobenzene
 Concen: 19.782 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. -0.00 min
 Lab File: VN056809.D
 Acq: 18 Jul 2019 12:52

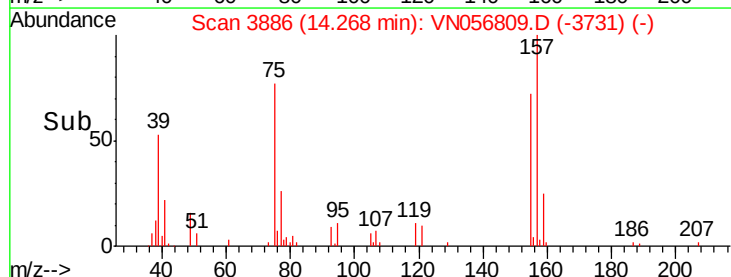
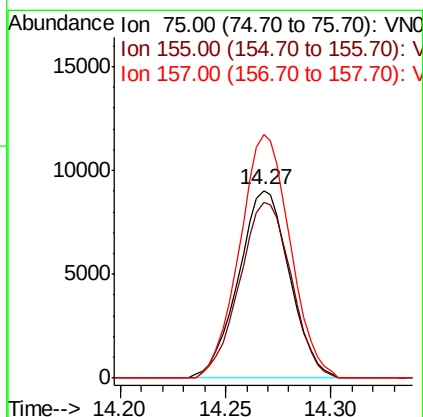
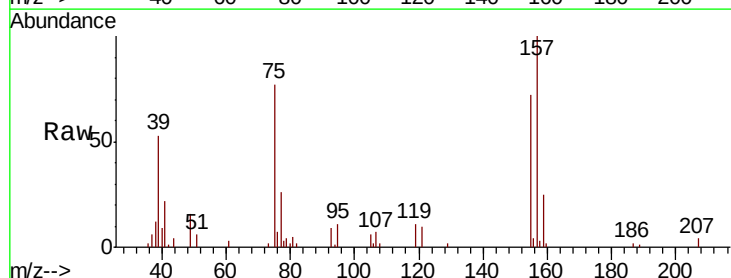
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

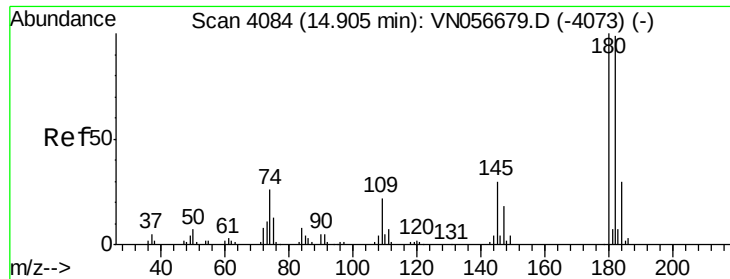
Tot Ion:146 Resp: 123921
 Ion Ratio Lower Upper
 146 100
 111 38.3 19.7 59.0
 148 63.2 32.7 98.1



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 18.994 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN056809.D
 Acq: 18 Jul 2019 12:52

Tgt Ion: 75 Resp: 15223
 Ion Ratio Lower Upper
 75 100
 155 94.6 78.6 117.8
 157 128.1 99.3 148.9





#89

1,2,4-Trichlorobenzene

Concen: 15.545 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. 0.00 min

Lab File: VN056809.D

Acq: 18 Jul 2019 12:52

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

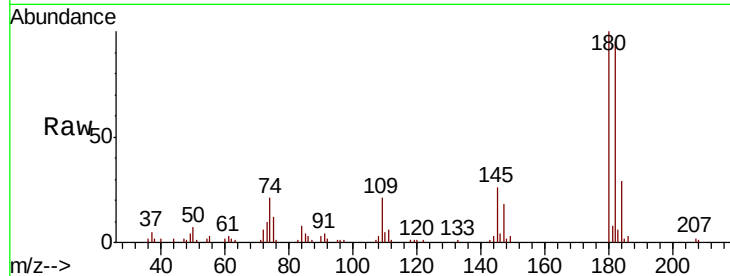
Tot Ion:180 Resp: 52379

Ion Ratio Lower Upper

180 100

182 94.3 78.2 117.4

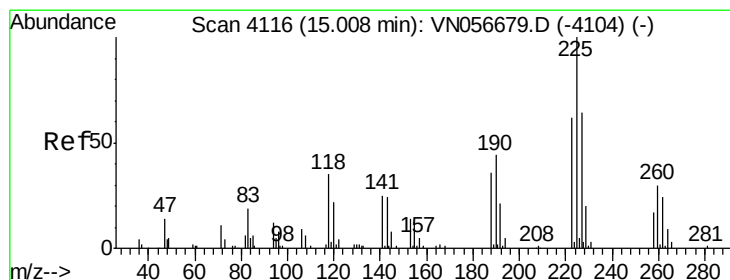
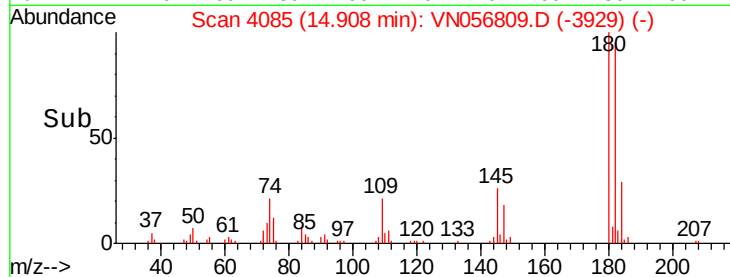
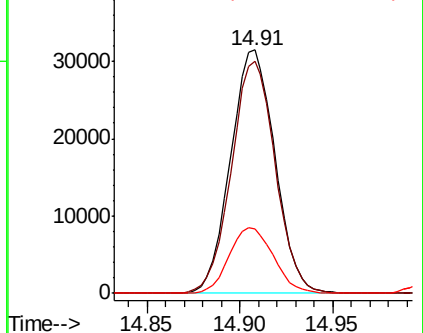
145 26.8 23.2 34.8



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



#90

Hexachlorobutadiene

Concen: 20.236 ug/l

RT: 15.01 min Scan# 4116

Delta R.T. -0.00 min

Lab File: VN056809.D

Acq: 18 Jul 2019 12:52

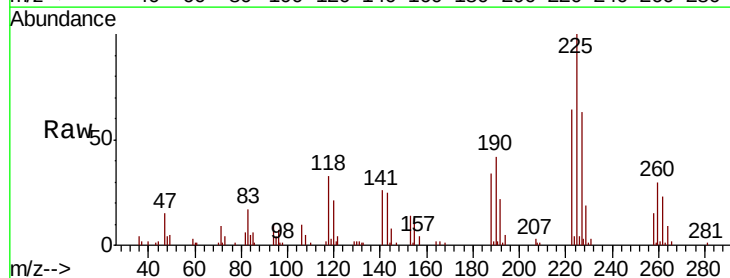
Tgt Ion:225 Resp: 44330

Ion Ratio Lower Upper

225 100

223 63.0 0.0 124.6

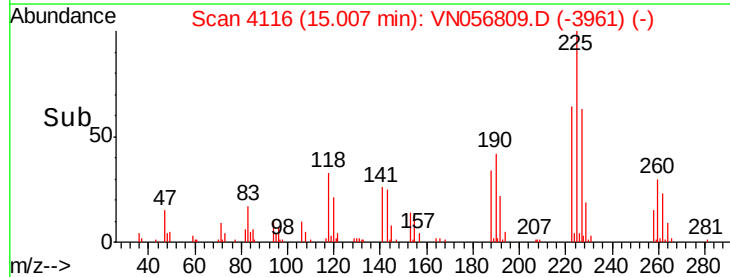
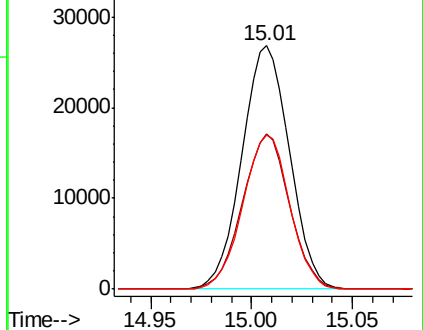
227 62.1 0.0 128.6

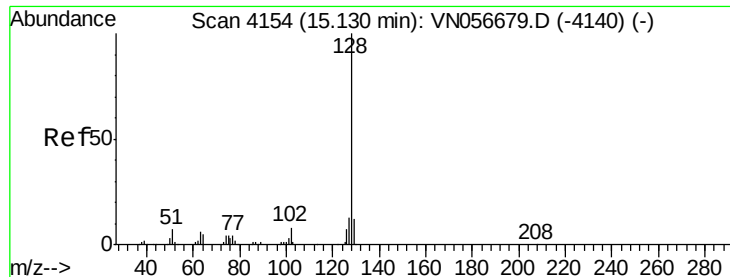


Abundance Ion 225.00 (224.70 to 225.70): V

Ion 223.00 (222.70 to 223.70): V

Ion 227.00 (226.70 to 227.70): V

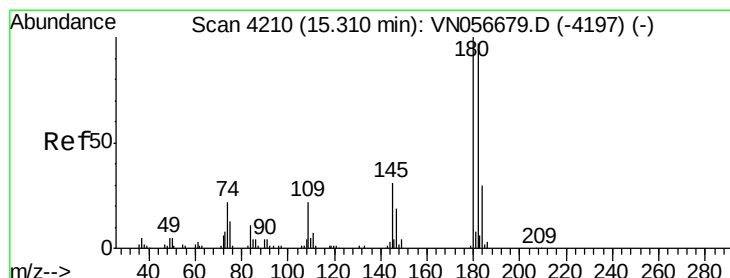
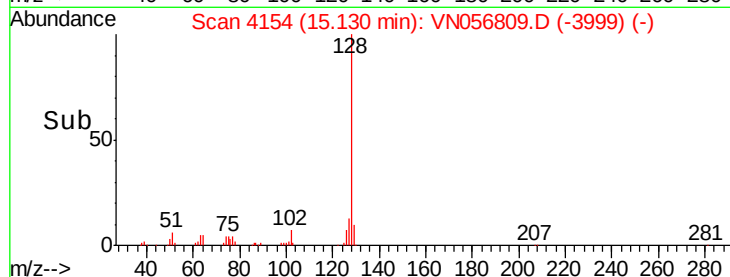
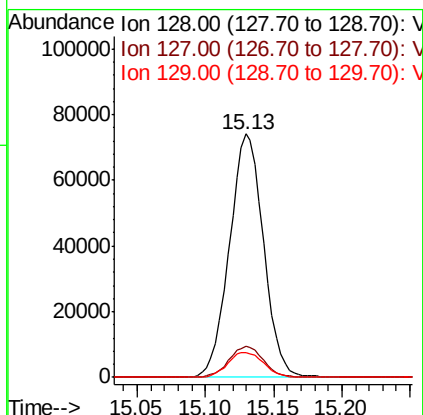
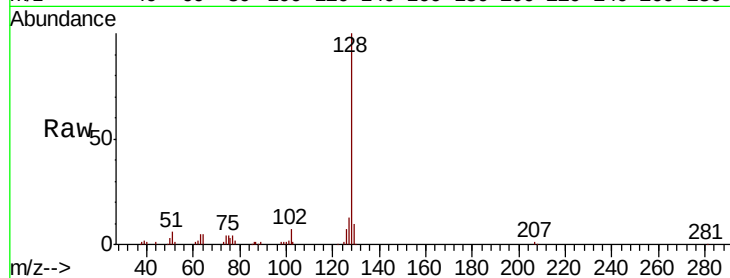




#91
Naphthalene
Concen: 14.190 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. -0.00 min
Lab File: VN056809.D
Acq: 18 Jul 2019 12:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion:128 Resp: 128593
Ion Ratio Lower Upper
128 100
127 12.9 10.4 15.6
129 10.8 8.8 13.2



#92
1,2,3-Trichlorobenzene
Concen: 16.015 ug/l
RT: 15.31 min Scan# 4210
Delta R.T. -0.00 min
Lab File: VN056809.D
Acq: 18 Jul 2019 12:52

Tgt Ion:180 Resp: 56583
Ion Ratio Lower Upper
180 100
182 95.0 0.0 192.4
145 30.9 0.0 60.4

