

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071819\
 Data File : VN056815.D
 Acq On : 18 Jul 2019 16:27
 Operator : JC/SP
 Sample : VN0718WBS02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0718WBS02

Quant Time: Jul 19 08:59:49 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N071519W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 16 07:03:34 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	296690	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	456710	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	402325	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	163597	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	164823	50.22	ug/l	0.00
Spiked Amount						
			Recovery	=	100.44%	
35) Dibromofluoromethane	7.59	113	144408	50.81	ug/l	0.00
Spiked Amount						
			Recovery	=	101.62%	
50) Toluene-d8	10.09	98	549003	50.01	ug/l	0.00
Spiked Amount						
			Recovery	=	100.02%	
62) 4-Bromofluorobenzene	12.40	95	177179	47.86	ug/l	0.00
Spiked Amount						
			Recovery	=	95.72%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	51720	18.565	ug/l	100
3) Chloromethane	2.06	50	68151	18.195	ug/l	99
4) Vinyl Chloride	2.18	62	67176	18.625	ug/l	98
5) Bromomethane	2.55	94	41760	19.688	ug/l	96
6) Chloroethane	2.70	64	38528	18.331	ug/l	98
7) Trichlorofluoromethane	3.01	101	89146	19.262	ug/l	97
8) Diethyl Ether	3.41	74	36576	20.270	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.75	101	55154	19.836	ug/l	99
10) Methyl Iodide	3.95	142	67695	18.202	ug/l	99
11) Tert butyl alcohol	4.79	59	55054	100.784	ug/l	97
12) 1,1-Dichloroethene	3.73	96	54256	19.453	ug/l	98
13) Acrolein	3.61	56	12884	76.779	ug/l	95
14) Allyl chloride	4.32	41	90533	18.770	ug/l	98
15) Acrylonitrile	4.99	53	162429	102.966	ug/l	99
16) Acetone	3.82	43	138131	91.336	ug/l	99
17) Carbon Disulfide	4.05	76	127378	17.283	ug/l	99
18) Methyl Acetate	4.33	43	72548	20.790	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	175372	19.735	ug/l	99
20) Methylene Chloride	4.55	84	64339	19.468	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	57241	19.416	ug/l	97
22) Diisopropyl ether	5.95	45	192572	20.227	ug/l	96
23) Vinyl Acetate	5.90	43	782786	101.464	ug/l	100
24) 1,1-Dichloroethane	5.85	63	109872	19.905	ug/l	99
25) 2-Butanone	6.84	43	217962	98.579	ug/l	97
26) 2,2-Dichloropropane	6.82	77	78426	19.705	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	68208	20.106	ug/l	99
28) Bromochloromethane	7.19	49	49878	19.219	ug/l	100
29) Tetrahydrofuran	7.22	42	148085	102.687	ug/l	99
30) Chloroform	7.37	83	108016	19.555	ug/l	98
31) Cyclohexane	7.65	56	102821	19.599	ug/l	96
32) 1,1,1-Trichloroethane	7.57	97	89263	20.434	ug/l	99
36) 1,1-Dichloropropene	7.79	75	78957	18.683	ug/l	100
37) Ethyl Acetate	6.93	43	87823	21.084	ug/l	98
38) Carbon Tetrachloride	7.77	117	75640	19.085	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	98232	18.824	ug/l	99
40) Benzene	8.04	78	253180	19.552	ug/l	99
41) Methacrylonitrile	7.21	41	126061	68.898	ug/l #	100
42) 1,2-Dichloroethane	8.13	62	82400	20.134	ug/l	100
43) Isopropyl Acetate	8.17	43	130213	19.885	ug/l #	92
44) Trichloroethene	8.83	130	69158	19.667	ug/l	100
45) 1,2-Dichloropropane	9.12	63	68142	19.804	ug/l	96
46) Dibromomethane	9.21	93	43676	20.483	ug/l	99
47) Bromodichloromethane	9.40	83	82118	20.266	ug/l	95
48) Methyl methacrylate	9.20	41	64915	20.498	ug/l	99
49) 1,4-Dioxane	9.20	88	26546	408.526	ug/l	96
51) 4-Methyl-2-Pentanone	9.98	43	433185	102.137	ug/l	100
52) Toluene	10.16	92	154958	20.150	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	82289	19.465	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	95534	19.474	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	63645	19.731	ug/l	98
56) Ethyl methacrylate	10.43	69	93966	20.246	ug/l	99
57) 1,3-Dichloropropane	10.71	76	105194	19.968	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	222416	99.657	ug/l	99
59) 2-Hexanone	10.75	43	300191	98.643	ug/l	99
60) Dibromochloromethane	10.90	129	62201	19.608	ug/l	99
61) 1,2-Dibromoethane	11.00	107	64540	20.133	ug/l	99
64) Tetrachloroethene	10.63	164	70213	20.229	ug/l	97
65) Chlorobenzene	11.43	112	162384	19.739	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	61341	20.252	ug/l	100
67) Ethyl Benzene	11.51	91	284293	19.664	ug/l	99
68) m/p-Xylenes	11.62	106	210600	38.978	ug/l	99
69) o-Xylene	11.95	106	105119	19.789	ug/l	100
70) Styrene	11.96	104	167879	19.549	ug/l	98
71) Bromoform	12.13	173	45290	19.652	ug/l #	99
73) Isopropylbenzene	12.25	105	275292	20.870	ug/l	99
74) N-amyl acetate	12.07	43	97462	19.839	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	91522	22.907	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	107750	30.114	ug/l #	100
77) Bromobenzene	12.52	156	72208	20.928	ug/l	97
78) n-propylbenzene	12.59	91	293925	20.071	ug/l	100
79) 2-Chlorotoluene	12.67	91	184512	21.878	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	231038	20.666	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	22957	19.815	ug/l	96
82) 4-Chlorotoluene	12.77	91	172987	20.129	ug/l	100
83) tert-Butylbenzene	12.99	119	200440	22.196	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	231521	21.198	ug/l	99
85) sec-Butylbenzene	13.17	105	256347	20.635	ug/l	99
86) p-Isopropyltoluene	13.29	119	229230	20.369	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	111134	19.655	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	105981	19.269	ug/l	98
89) n-Butylbenzene	13.61	91	174313	19.229	ug/l	99
90) Hexachloroethane	13.87	117	37549	20.633	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	114043	19.720	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.27	75	13850	19.581	ug/l	99

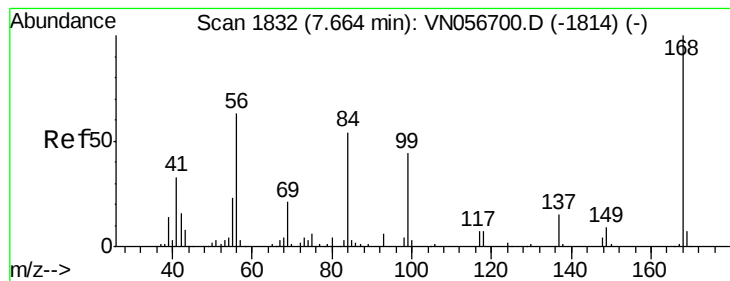
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071819\
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	47625	17.498	ug/l	100
94) Hexachlorobutadiene	15.01	225	40656	21.644	ug/l	99
95) Naphthalene	15.13	128	113257	16.277	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	51622	18.516	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN056815.D

Acq: 18 Jul 2019 16:27

Instrument :

MSVOA_N

ClientSampleId :

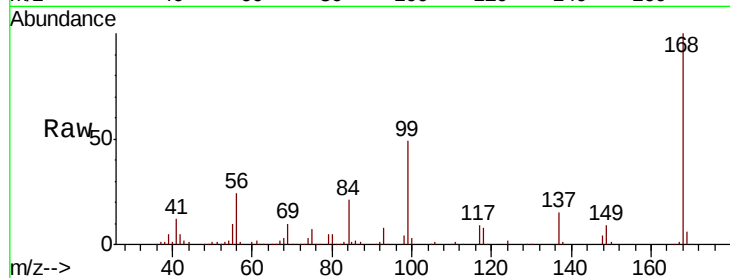
VN0718WBS02

Tot Ion:168 Resp: 296690

Ion Ratio Lower Upper

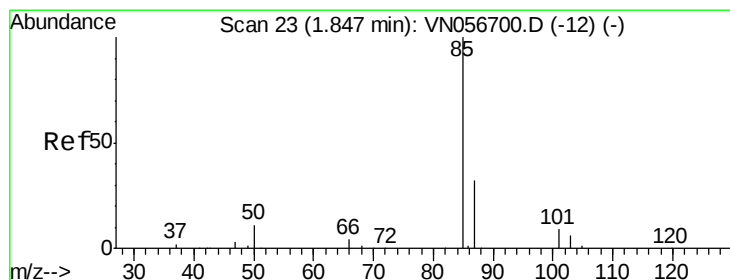
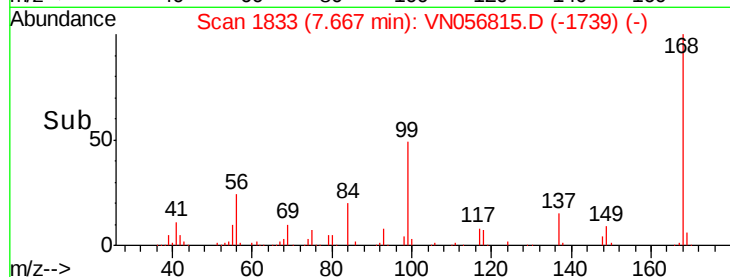
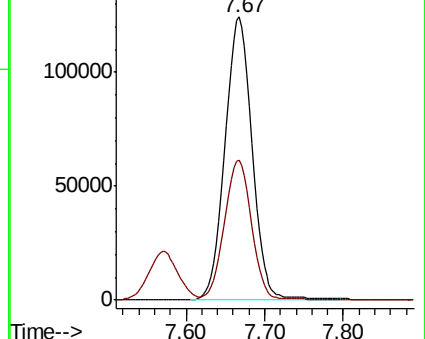
168 100

99 49.1 39.4 59.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#2

Dichlorodifluoromethane

Concen: 18.565 ug/l

RT: 1.85 min Scan# 23

Delta R.T. -0.00 min

Lab File: VN056815.D

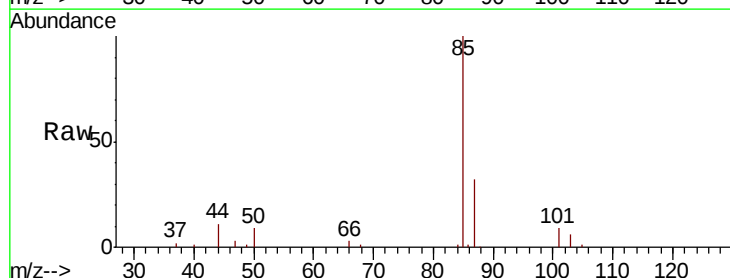
Acq: 18 Jul 2019 16:27

Tgt Ion: 85 Resp: 51720

Ion Ratio Lower Upper

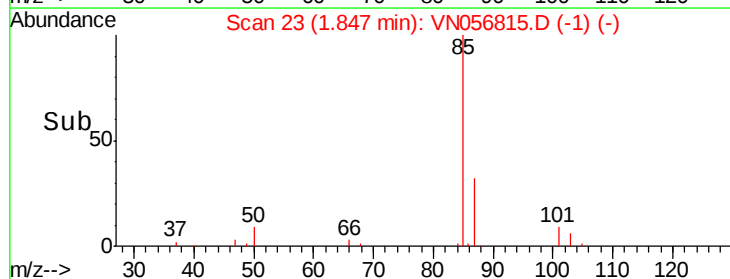
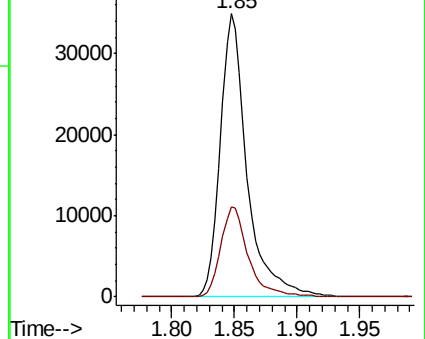
85 100

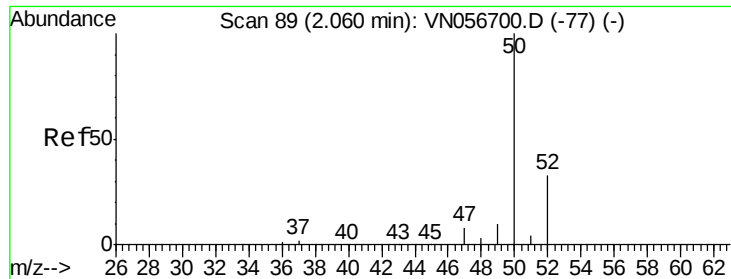
87 31.8 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VN0

Ion 86.90 (86.60 to 87.60): VN0





#3

Chloromethane

Concen: 18.195 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN056815.D

Acq: 18 Jul 2019 16:27

Instrument :

MSVOA_N

ClientSampleId :

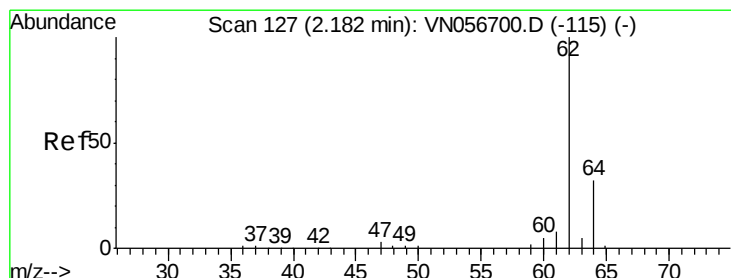
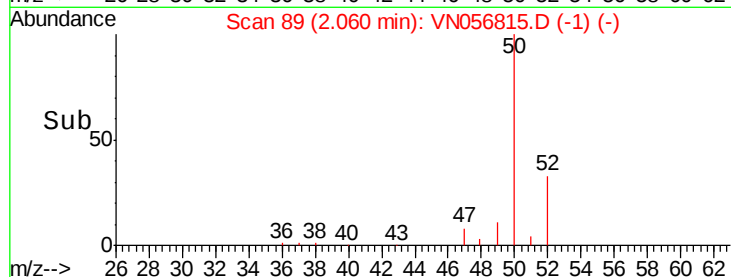
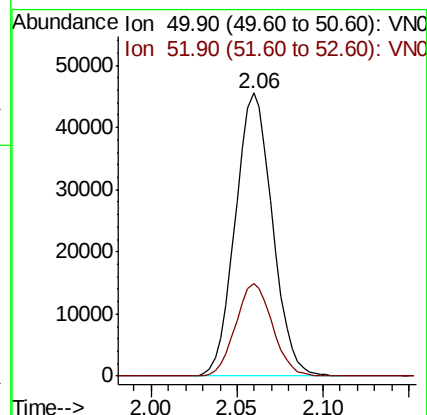
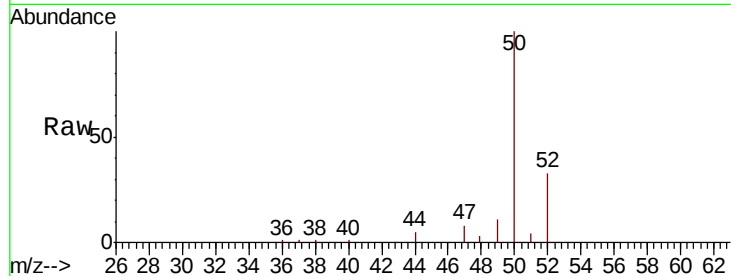
VN0718WBS02

Tot Ion: 50 Resp: 68151

Ion Ratio Lower Upper

50 100

52 32.7 26.5 39.7



#4

Vinyl Chloride

Concen: 18.625 ug/l

RT: 2.18 min Scan# 127

Delta R.T. -0.00 min

Lab File: VN056815.D

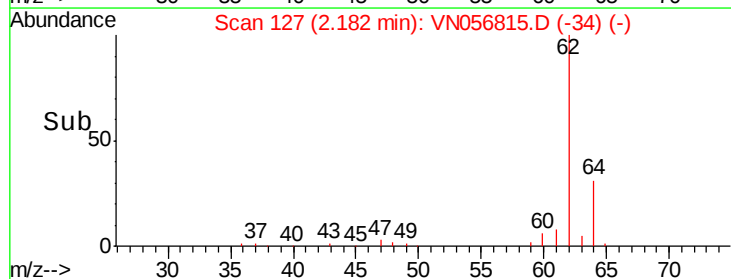
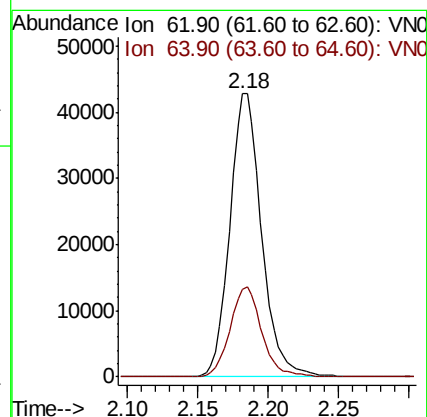
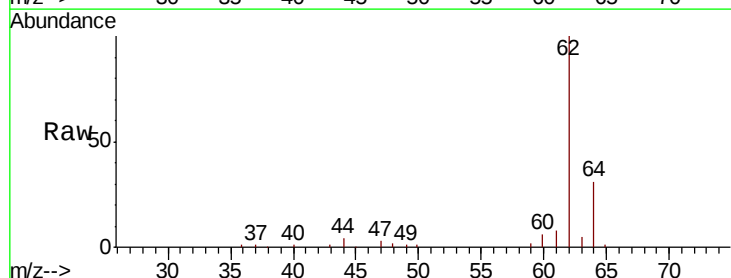
Acq: 18 Jul 2019 16:27

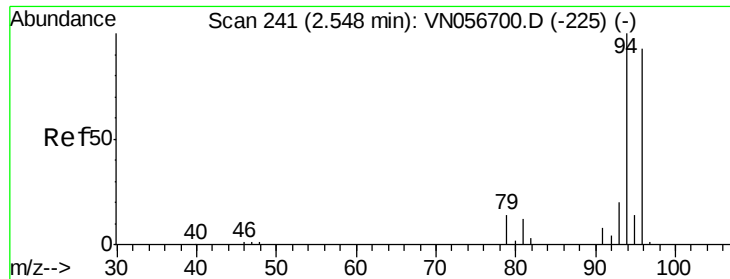
Tgt Ion: 62 Resp: 67176

Ion Ratio Lower Upper

62 100

64 31.1 25.6 38.4

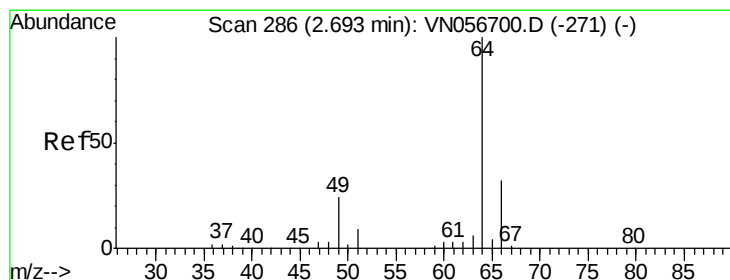
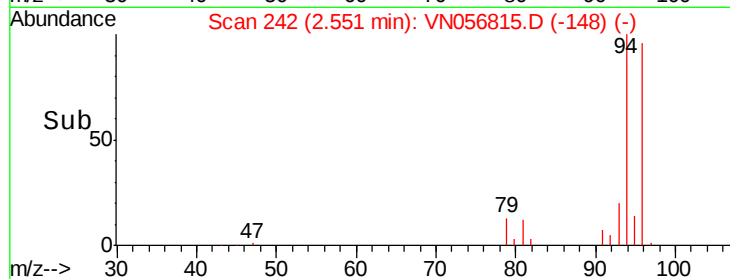
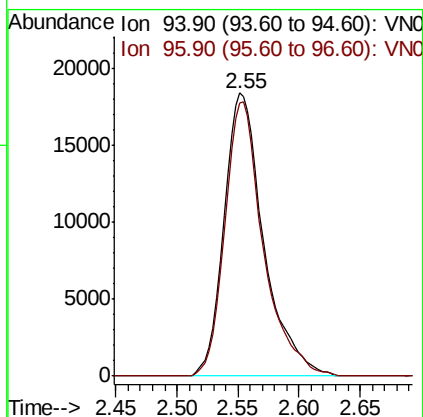
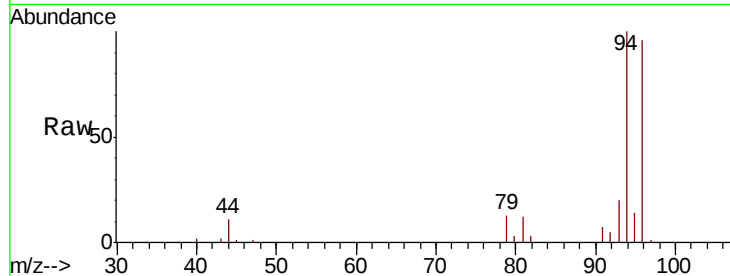




#5
Bromomethane
Concen: 19.688 ug/l
RT: 2.55 min Scan# 242
Delta R.T. 0.00 min
Lab File: VN056815.D
Acq: 18 Jul 2019 16:27

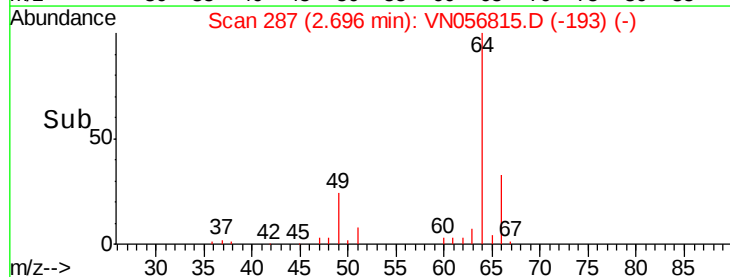
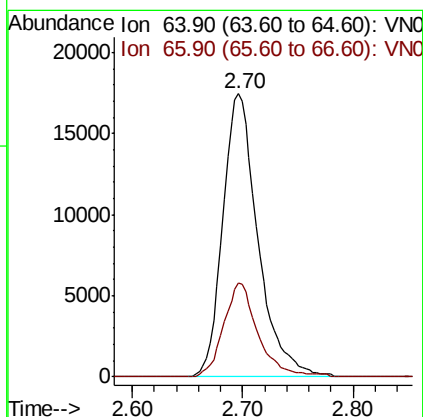
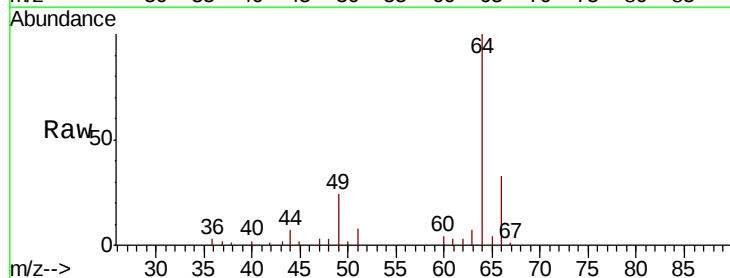
Instrument :
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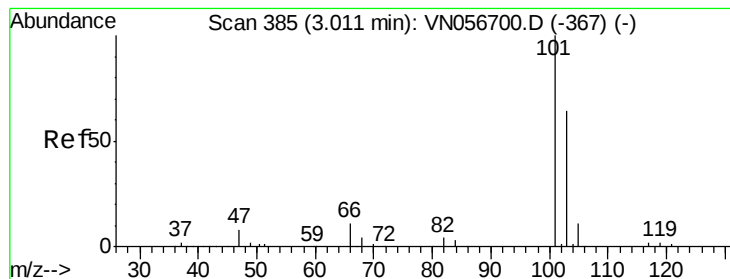
Tot Ion: 94 Resp: 41760
Ion Ratio Lower Upper
94 100
96 96.4 74.0 111.0



#6
Chloroethane
Concen: 18.331 ug/l
RT: 2.70 min Scan# 287
Delta R.T. 0.00 min
Lab File: VN056815.D
Acq: 18 Jul 2019 16:27

Tgt Ion: 64 Resp: 38528
Ion Ratio Lower Upper
64 100
66 33.3 25.8 38.8



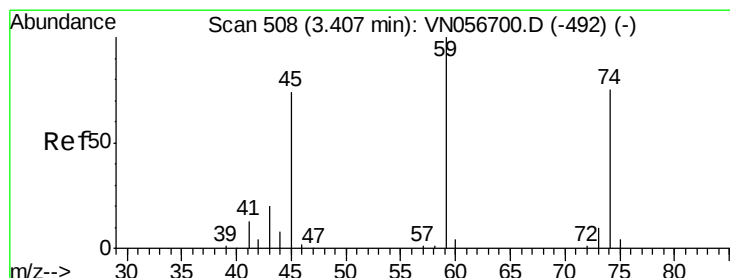
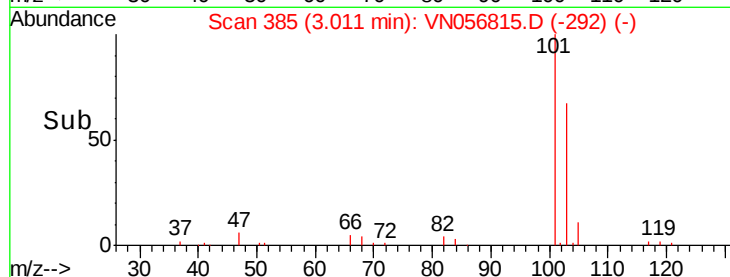
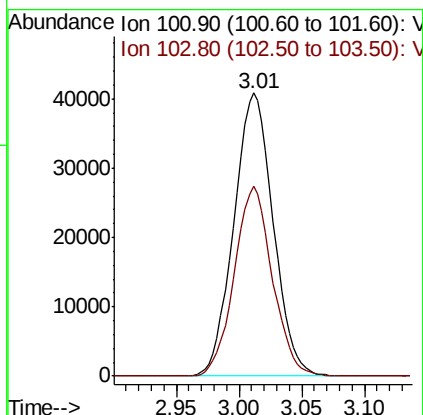
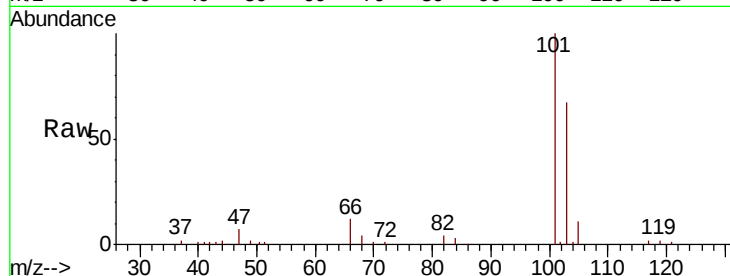


#7

Trichlorofluoromethane
 Concen: 19.262 ug/l
 RT: 3.01 min Scan# 385
 Delta R.T. -0.00 min
 Lab File: VN056815.D
 Acq: 18 Jul 2019 16:27

Instrument :
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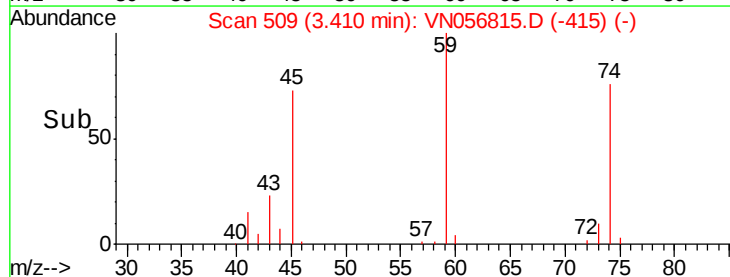
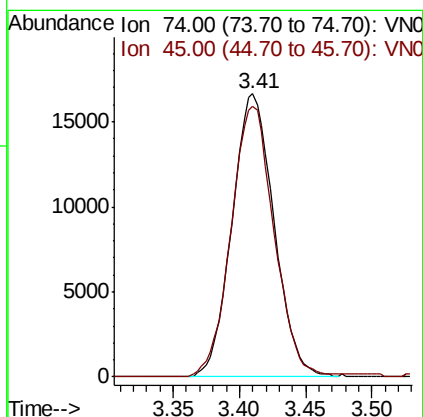
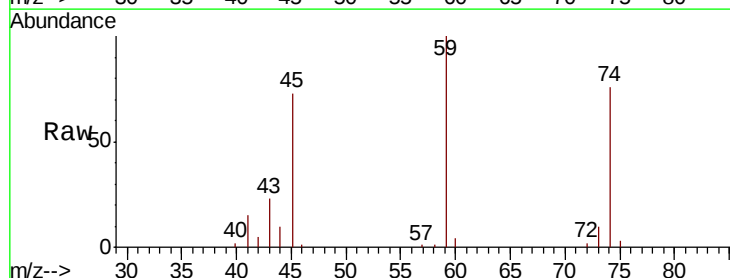
Tot Ion:101 Resp: 89146
 Ion Ratio Lower Upper
 101 100
 103 66.9 51.5 77.3

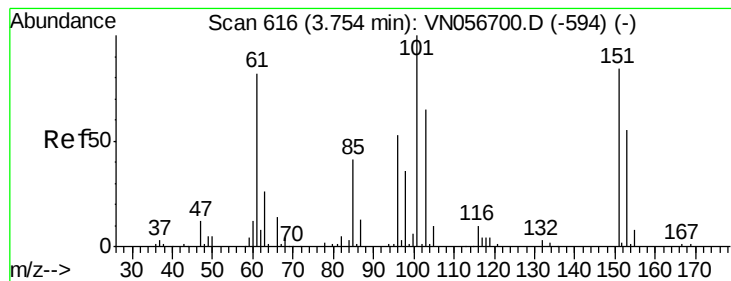


#8

Diethyl Ether
 Concen: 20.270 ug/l
 RT: 3.41 min Scan# 509
 Delta R.T. 0.00 min
 Lab File: VN056815.D
 Acq: 18 Jul 2019 16:27

Tgt Ion: 74 Resp: 36576
 Ion Ratio Lower Upper
 74 100
 45 98.3 49.4 148.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.836 ug/l

RT: 3.75 min Scan# 616

Delta R.T. -0.00 min

Lab File: VN056815.D

Acq: 18 Jul 2019 16:27

Instrument :

MSVOA_N

ClientSampleId :

VN0718WBS02

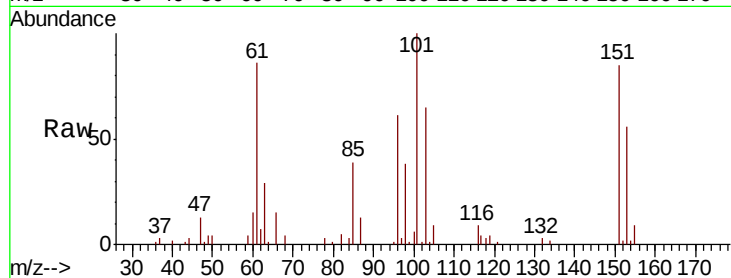
Tot Ion:101 Resp: 55154

Ion Ratio Lower Upper

101 100

85 40.8 33.3 49.9

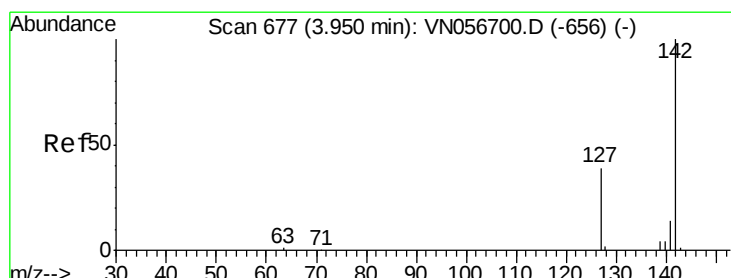
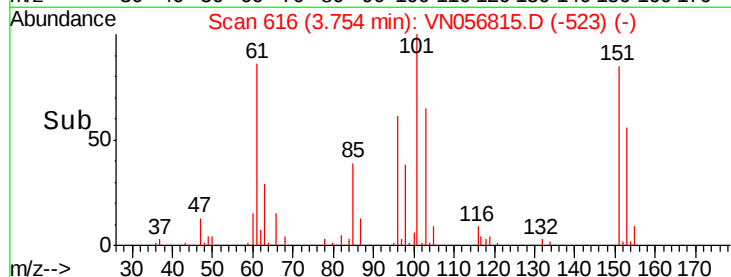
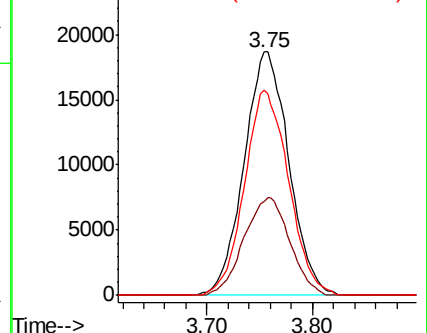
151 83.0 67.0 100.6



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 18.202 ug/l

RT: 3.95 min Scan# 677

Delta R.T. -0.00 min

Lab File: VN056815.D

Acq: 18 Jul 2019 16:27

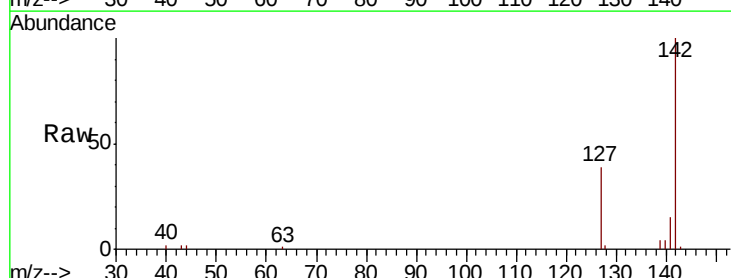
Tgt Ion:142 Resp: 67695

Ion Ratio Lower Upper

142 100

127 37.7 30.7 46.1

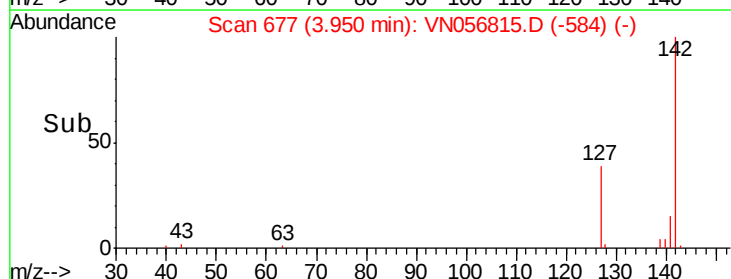
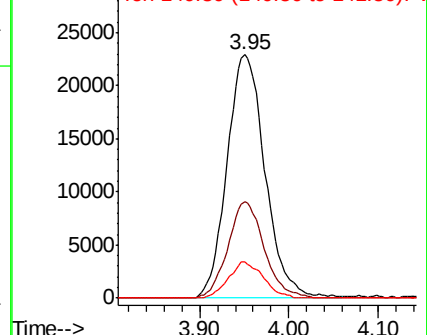
141 13.7 11.3 16.9

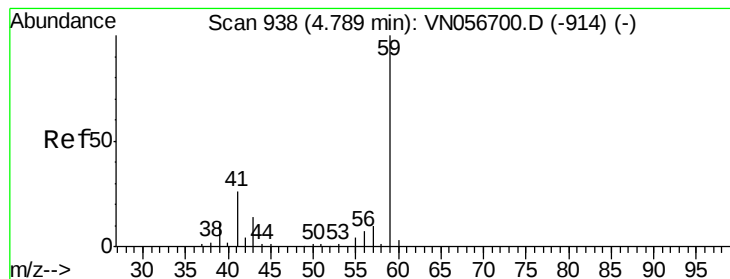


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



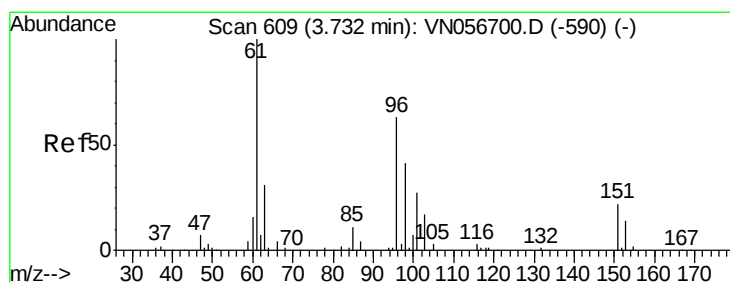
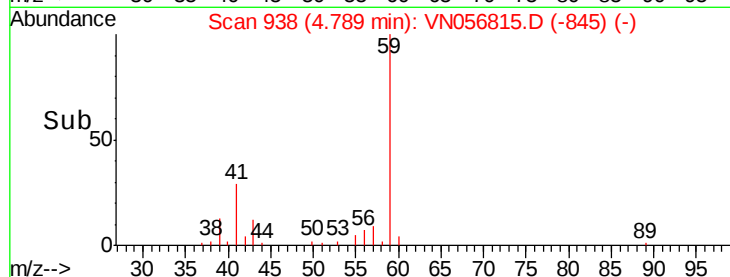
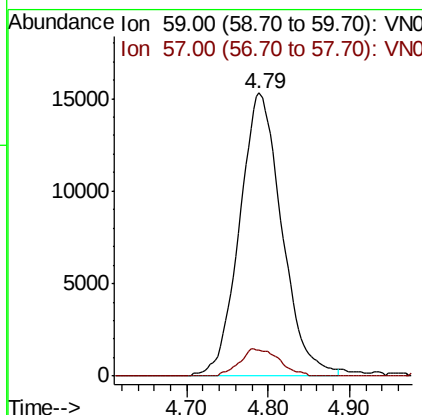
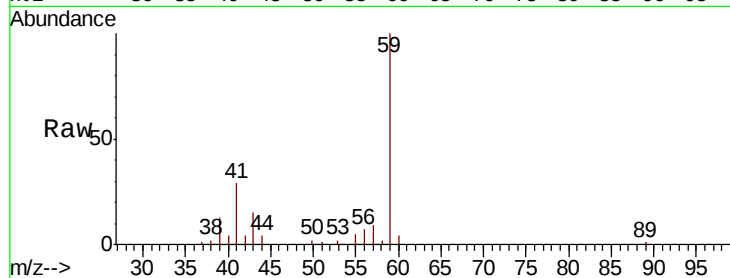


#11

Tert butyl alcohol
 Concen: 100.784 ug/l
 RT: 4.79 min Scan# 938
 Delta R.T. -0.00 min
 Lab File: VN056815.D
 Acq: 18 Jul 2019 16:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0718WBS02

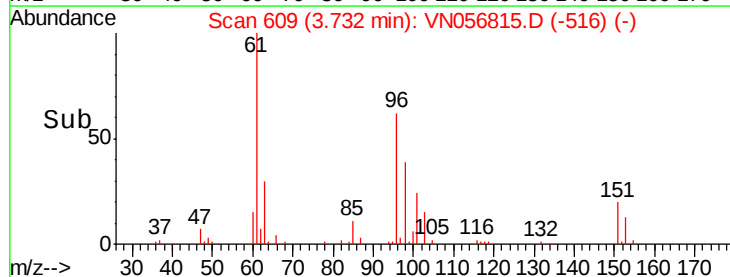
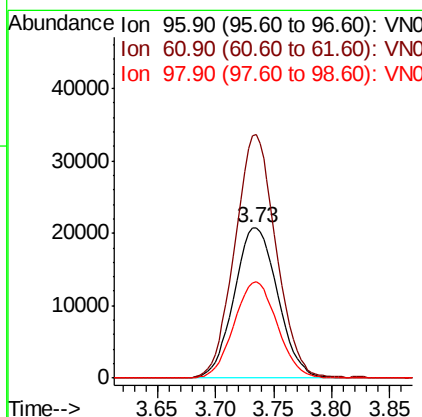
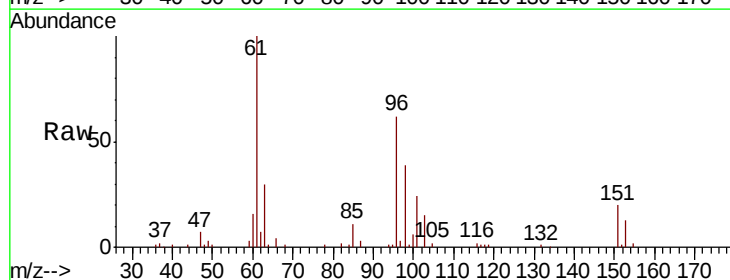
Tot Ion: 59 Resp: 55054
 Ion Ratio Lower Upper
 59 100
 57 9.0 8.0 12.0

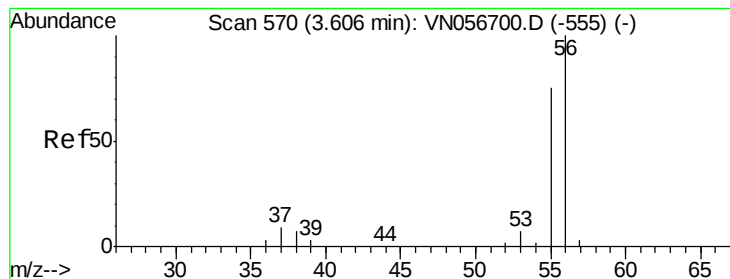


#12

1,1-Dichloroethene
 Concen: 19.453 ug/l
 RT: 3.73 min Scan# 609
 Delta R.T. -0.00 min
 Lab File: VN056815.D
 Acq: 18 Jul 2019 16:27

Tgt Ion: 96 Resp: 54256
 Ion Ratio Lower Upper
 96 100
 61 160.9 126.6 189.8
 98 63.0 51.4 77.2





#13

Acrolein

Concen: 76.779 ug/l

RT: 3.61 min Scan# 570

Delta R.T. 0.00 min

Lab File: VN056815.D

Acq: 18 Jul 2019 16:27

Instrument :

MSVOA_N

ClientSampleId :

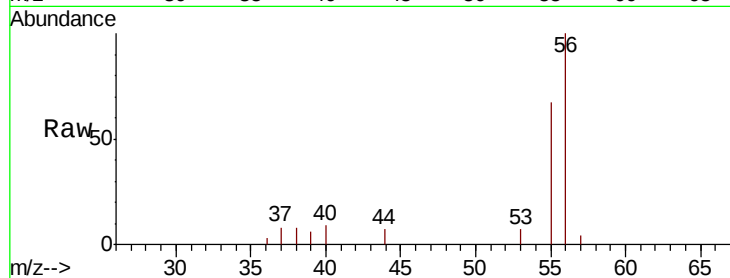
VN0718WBS02

Tot Ion: 56 Resp: 12884

Ion Ratio Lower Upper

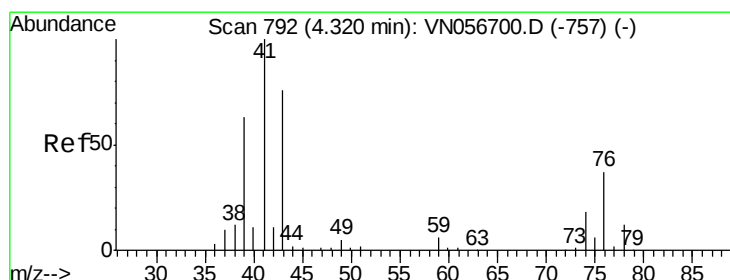
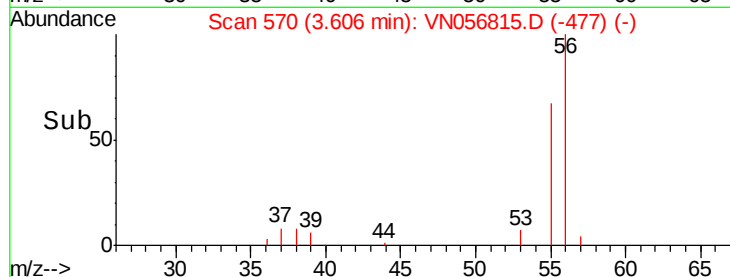
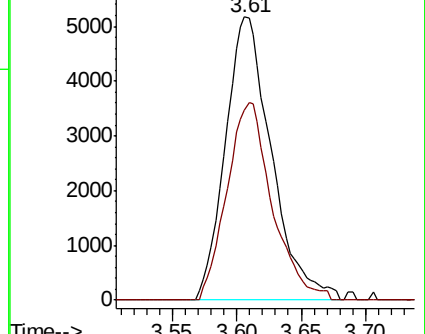
56 100

55 68.6 58.0 87.0



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 18.770 ug/l

RT: 4.32 min Scan# 793

Delta R.T. 0.00 min

Lab File: VN056815.D

Acq: 18 Jul 2019 16:27

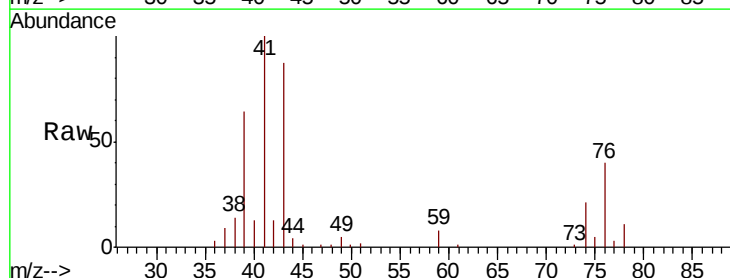
Tgt Ion: 41 Resp: 90533

Ion Ratio Lower Upper

41 100

39 60.4 46.9 70.3

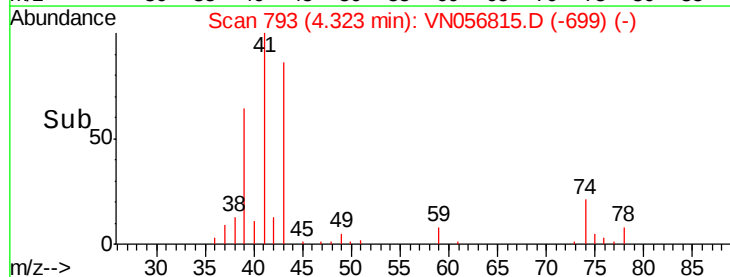
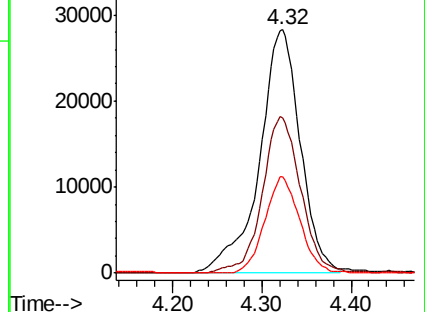
76 33.8 26.5 39.7

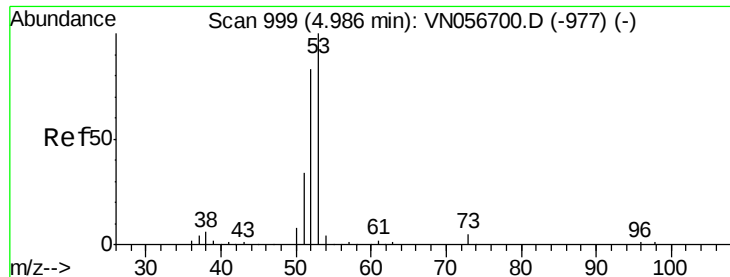


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 102.966 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN056815.D

Acq: 18 Jul 2019 16:27

Instrument :

MSVOA_N

ClientSampleId :

VN0718WBS02

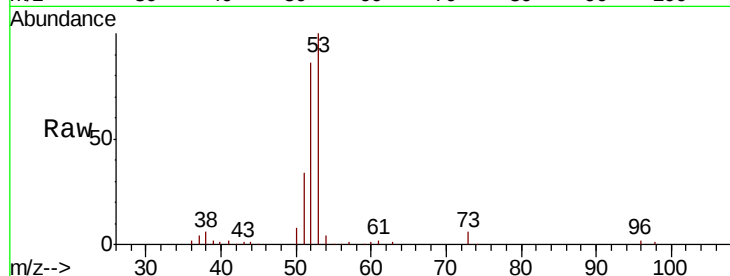
Tot Ion: 53 Resp: 162429

Ion Ratio Lower Upper

53 100

52 82.5 66.6 99.8

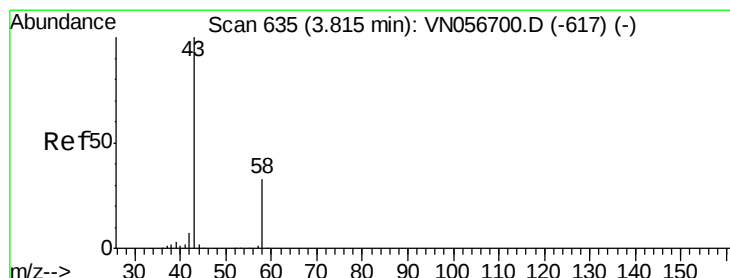
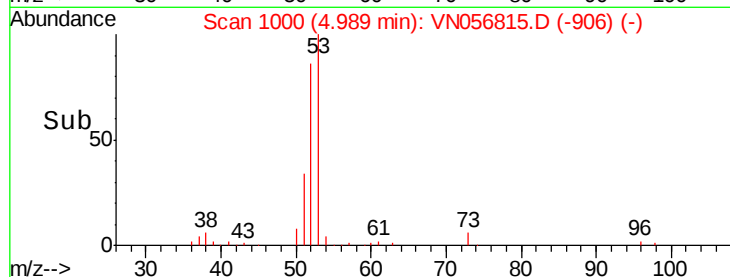
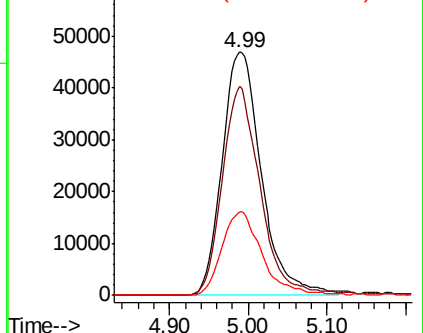
51 34.6 28.4 42.6



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 91.336 ug/l

RT: 3.82 min Scan# 636

Delta R.T. 0.00 min

Lab File: VN056815.D

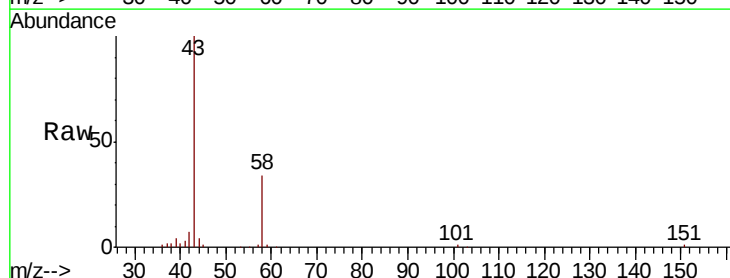
Acq: 18 Jul 2019 16:27

Tgt Ion: 43 Resp: 138131

Ion Ratio Lower Upper

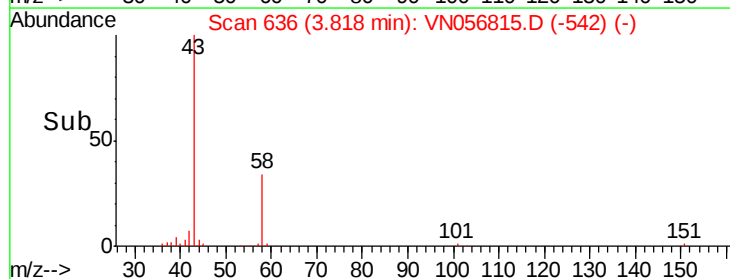
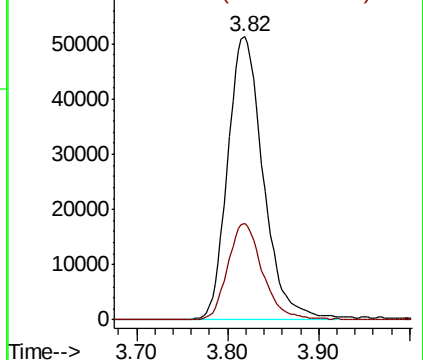
43 100

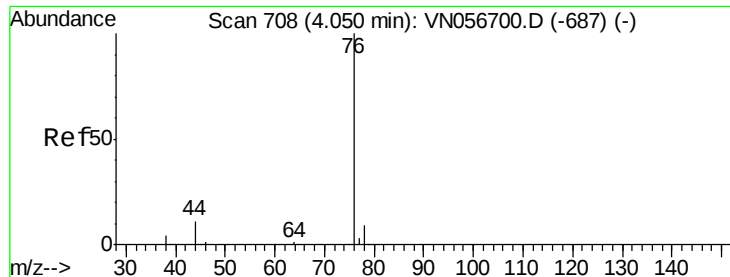
58 34.0 26.7 40.1



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

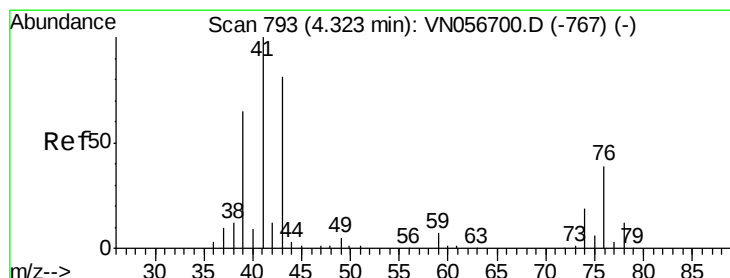
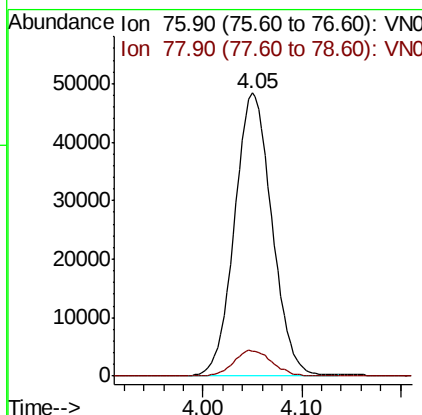
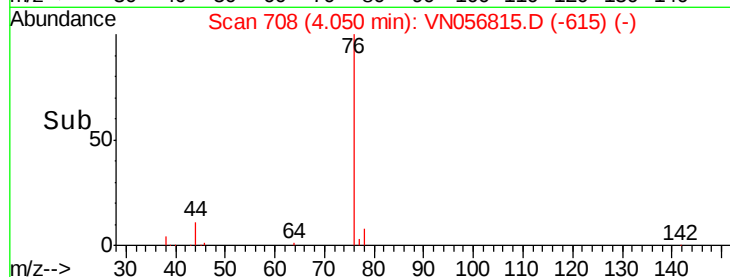
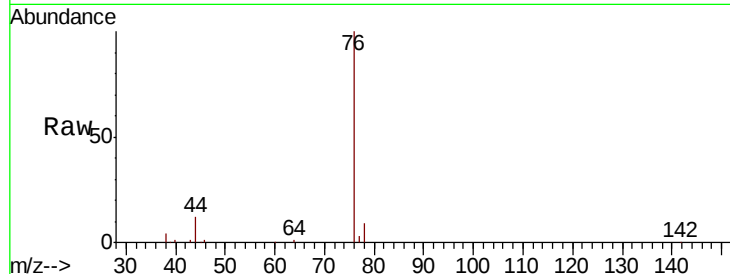




#17
Carbon Disulfide
Concen: 17.283 ug/l
RT: 4.05 min Scan# 708
Delta R.T. -0.00 min
Lab File: VN056815.D
Acq: 18 Jul 2019 16:27

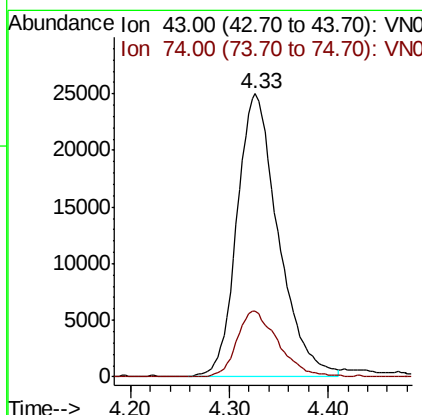
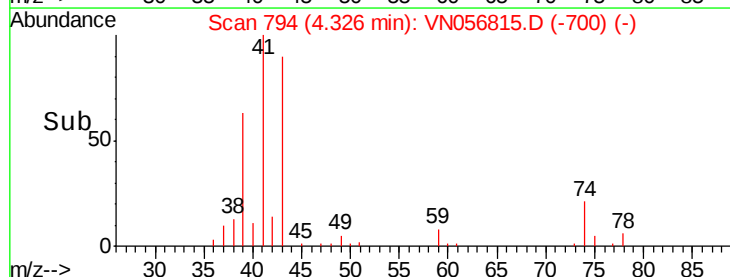
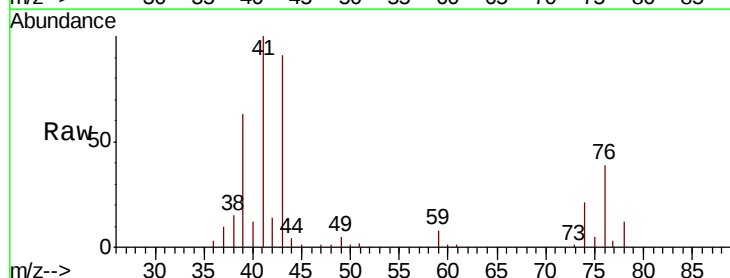
Instrument :
MSVOA_N
ClientSampleId :
VN0718WBS02

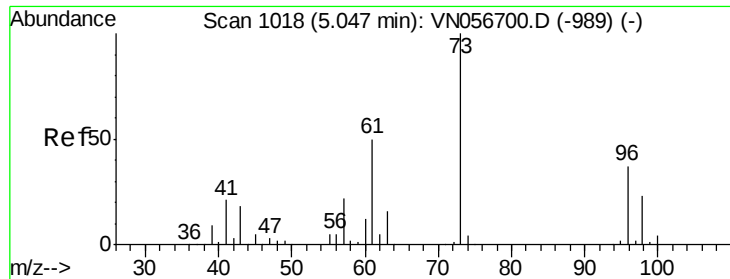
Tot Ion: 76 Resp: 127378
Ion Ratio Lower Upper
76 100
78 9.0 7.4 11.0



#18
Methyl Acetate
Concen: 20.790 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN056815.D
Acq: 18 Jul 2019 16:27

Tgt Ion: 43 Resp: 72548
Ion Ratio Lower Upper
43 100
74 23.3 18.9 28.3

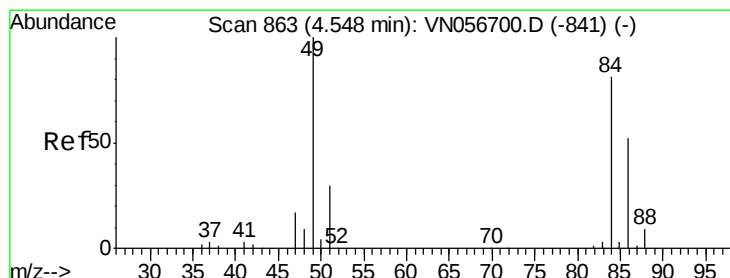
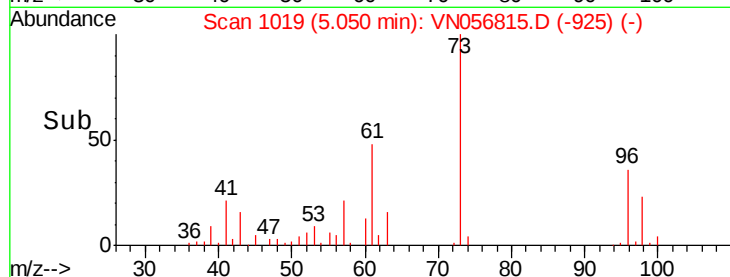
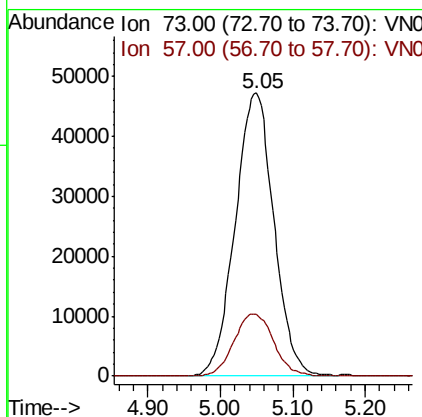
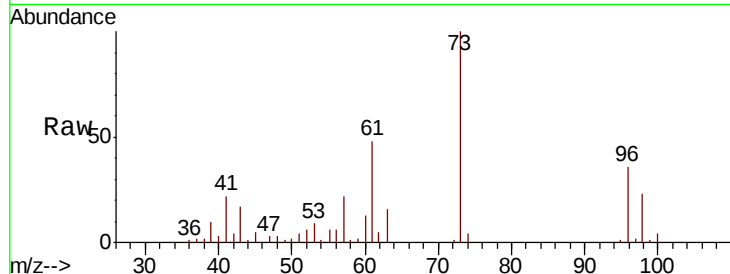




#19
Methvl tert-butvl Ether
Concen: 19.735 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VN056815.D
Acq: 18 Jul 2019 16:27

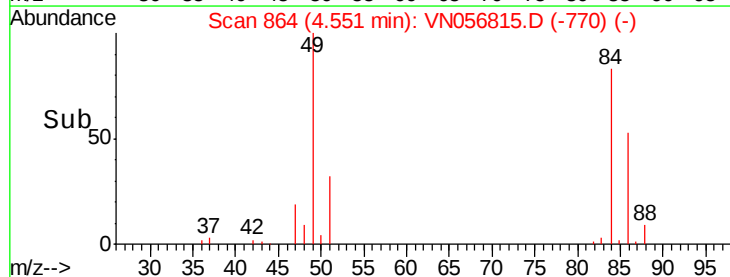
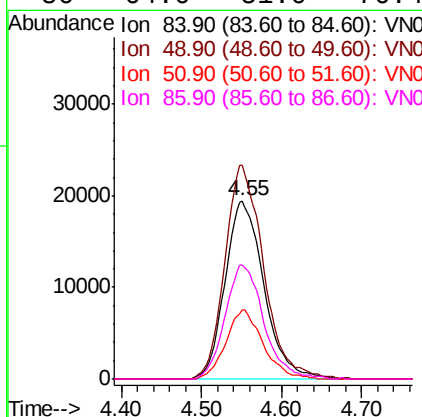
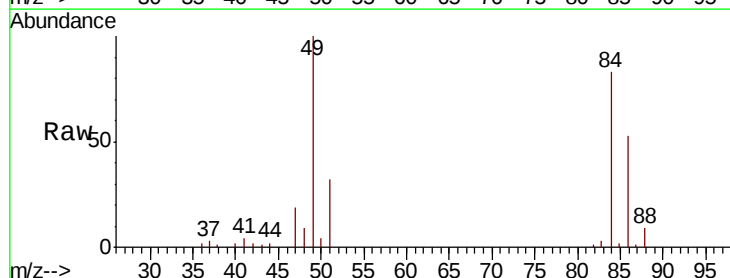
Instrument :
MSVOA_N
ClientSampleId :
VN0718WBS02

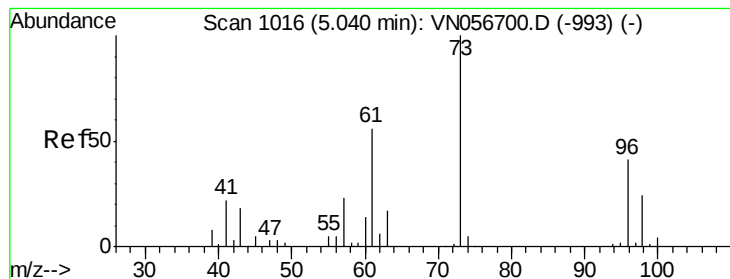
Tot Ion: 73 Resp: 175372
Ion Ratio Lower Upper
73 100
57 21.8 17.9 26.9



#20
Methylene Chloride
Concen: 19.468 ug/l
RT: 4.55 min Scan# 864
Delta R.T. 0.00 min
Lab File: VN056815.D
Acq: 18 Jul 2019 16:27

Tgt Ion: 84 Resp: 64339
Ion Ratio Lower Upper
84 100
49 119.8 98.2 147.4
51 38.5 29.6 44.4
86 64.0 51.0 76.4





#21

trans-1,2-Dichloroethene

Concen: 19.416 ug/l

RT: 5.04 min Scan# 1016

Delta R.T. -0.00 min

Lab File: VN056815.D

Acq: 18 Jul 2019 16:27

Instrument :

MSVOA_N

ClientSampleId :

VN0718WBS02

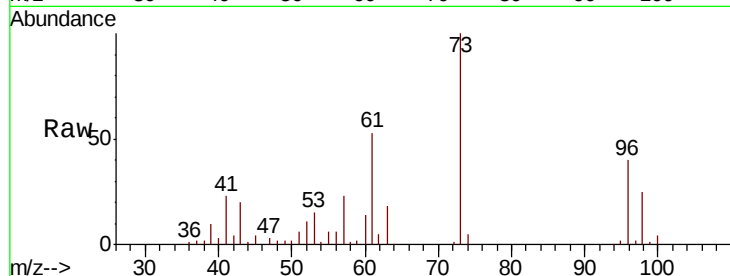
Tot Ion: 96 Resp: 57241

Ion Ratio Lower Upper

96 100

61 133.7 109.4 164.2

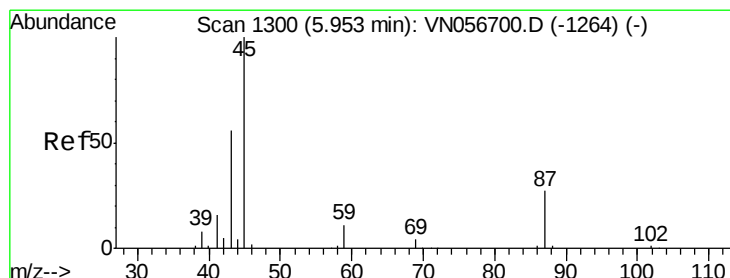
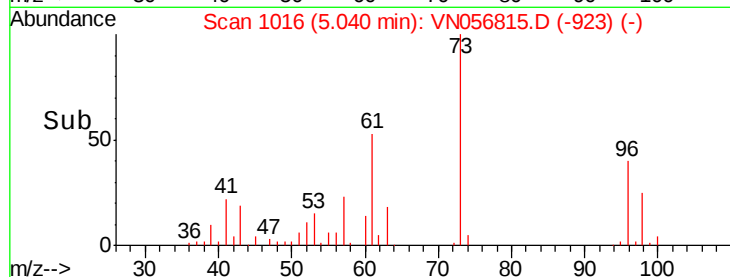
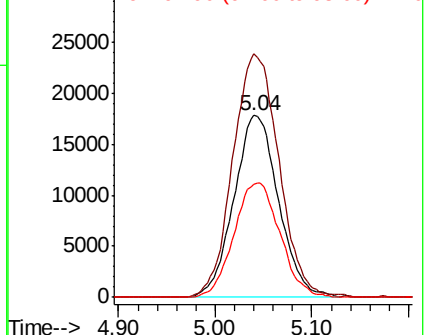
98 62.1 48.0 72.0



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 20.227 ug/l

RT: 5.95 min Scan# 1300

Delta R.T. -0.00 min

Lab File: VN056815.D

Acq: 18 Jul 2019 16:27

Tgt Ion: 45 Resp: 192572

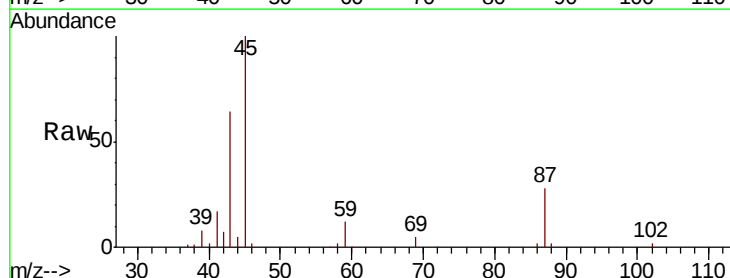
Ion Ratio Lower Upper

45 100

43 61.8 45.6 68.4

87 27.8 22.0 33.0

59 11.5 9.3 13.9

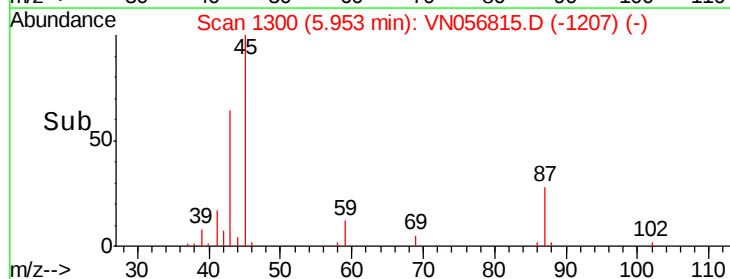
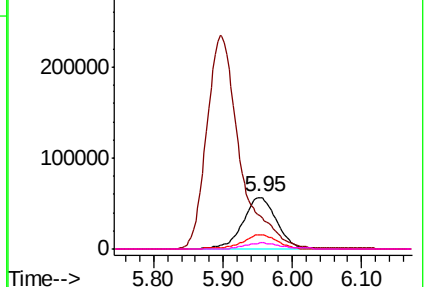


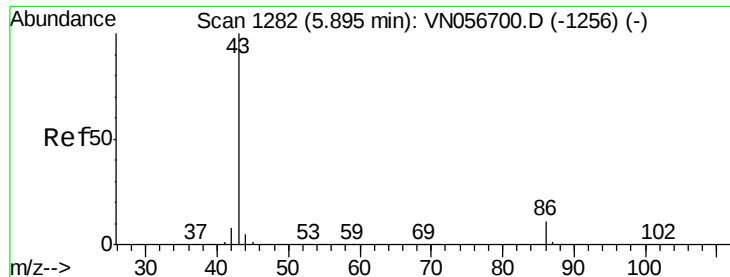
Abundance Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0

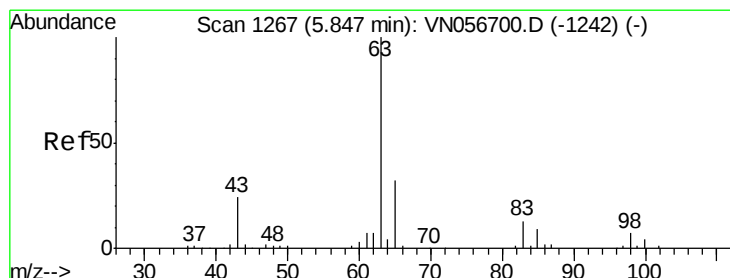
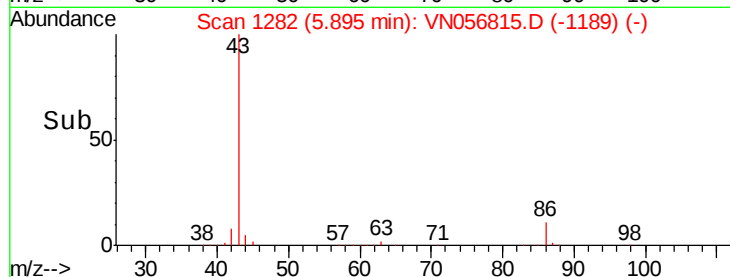
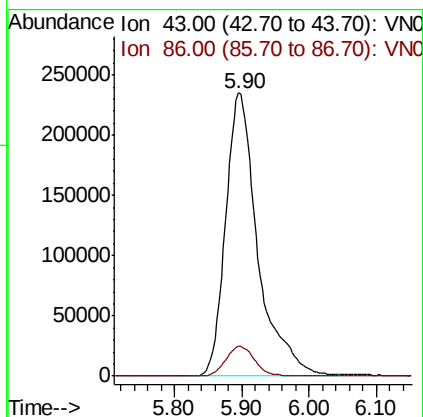
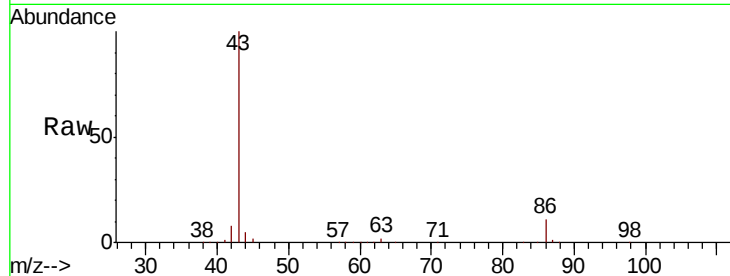




#23
 Vinyl Acetate
 Concen: 101.464 ug/l
 RT: 5.90 min Scan# 1282
 Delta R.T. -0.00 min
 Lab File: VN056815.D
 Acq: 18 Jul 2019 16:27

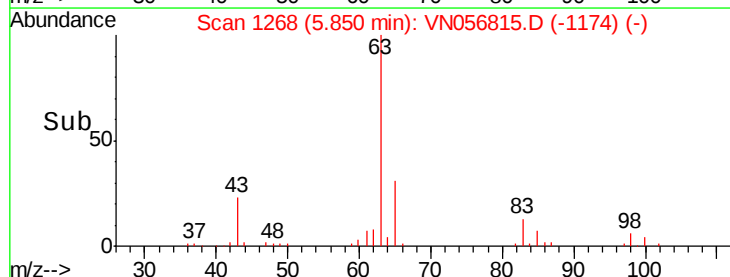
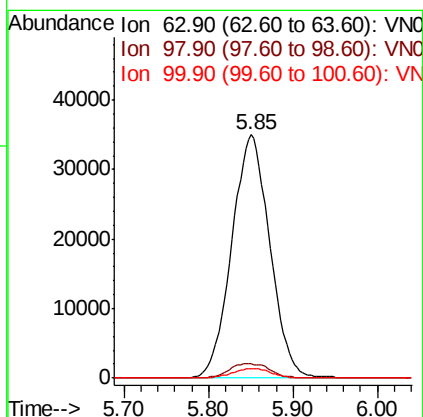
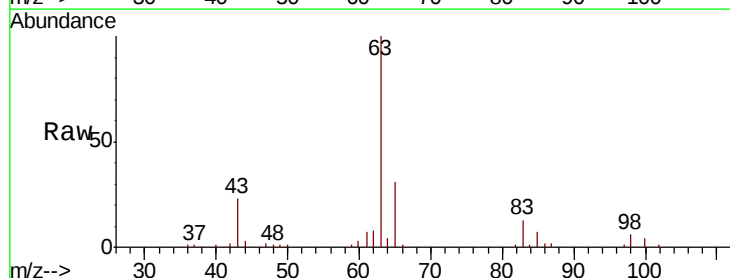
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0718WBS02

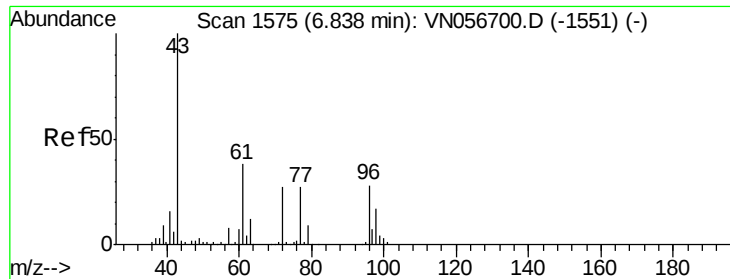
Tot Ion: 43 Resp: 782786
 Ion Ratio Lower Upper
 43 100
 86 10.5 8.5 12.7



#24
 1,1-Dichloroethane
 Concen: 19.905 ug/l
 RT: 5.85 min Scan# 1268
 Delta R.T. 0.00 min
 Lab File: VN056815.D
 Acq: 18 Jul 2019 16:27

Tgt Ion: 63 Resp: 109872
 Ion Ratio Lower Upper
 63 100
 98 6.1 3.3 9.9
 100 3.9 2.0 5.8

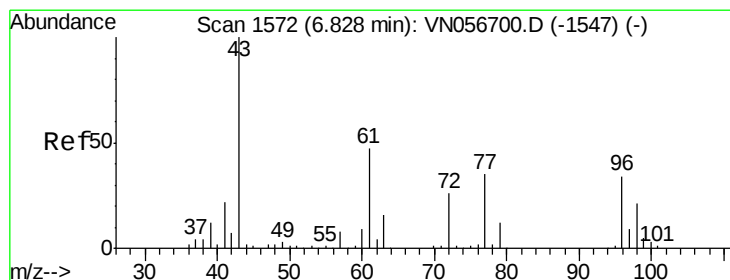
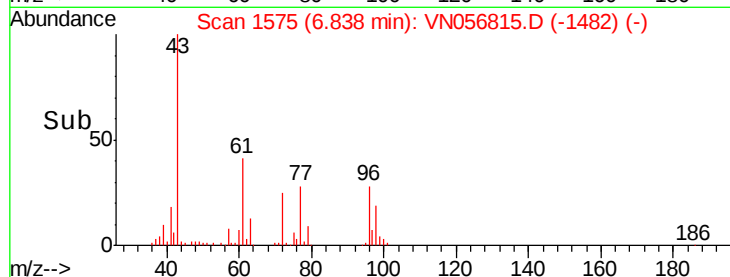
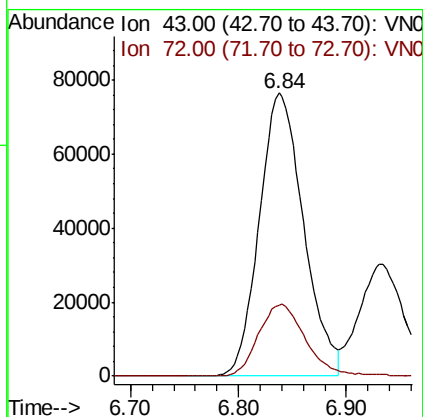
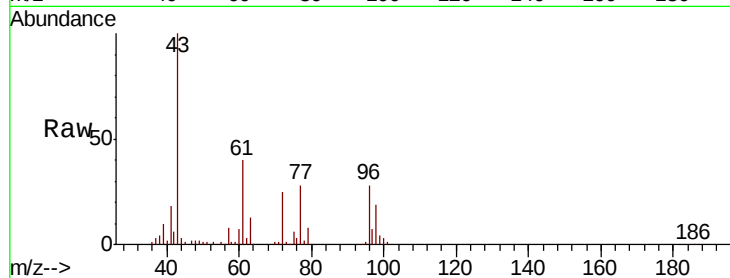




#25
2-Butanone
Concen: 98.579 ug/l
RT: 6.84 min Scan# 1575
Delta R.T. -0.00 min
Lab File: VN056815.D
Acq: 18 Jul 2019 16:27

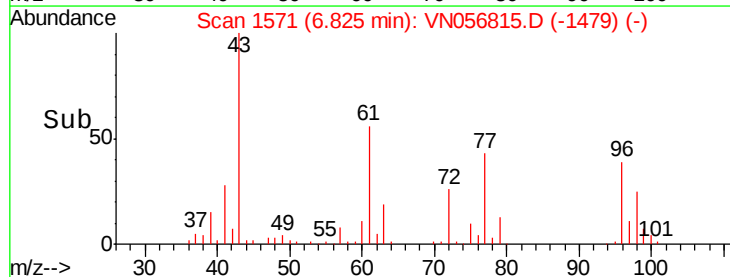
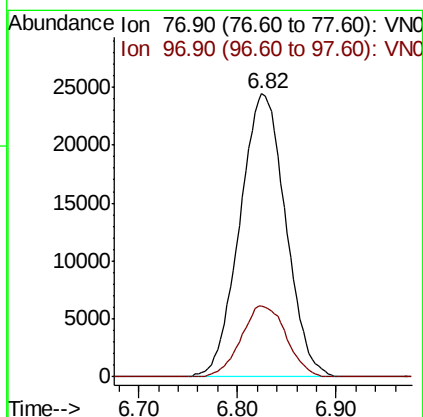
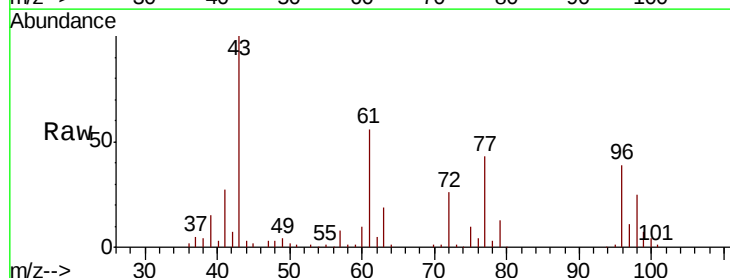
Instrument :
MSVOA_N
ClientSampleId :
VN0718WBS02

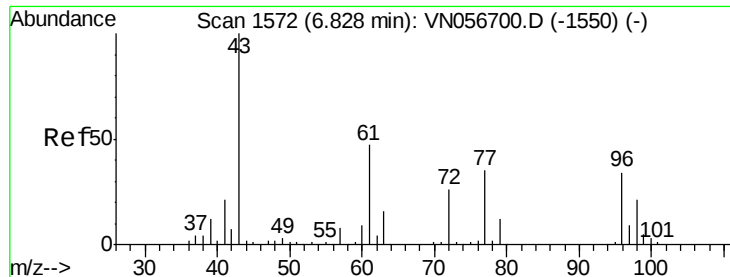
Tot Ion: 43 Resp: 217962
Ion Ratio Lower Upper
43 100
72 25.0 21.2 31.8



#26
2,2-Dichloropropane
Concen: 19.705 ug/l
RT: 6.82 min Scan# 1571
Delta R.T. -0.00 min
Lab File: VN056815.D
Acq: 18 Jul 2019 16:27

Tgt Ion: 77 Resp: 78426
Ion Ratio Lower Upper
77 100
97 24.7 12.2 36.6





#27

cis-1,2-Dichloroethene

Concen: 20.106 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN056815.D

Acq: 18 Jul 2019 16:27

Instrument :

MSVOA_N

ClientSampleId :

VN0718WBS02

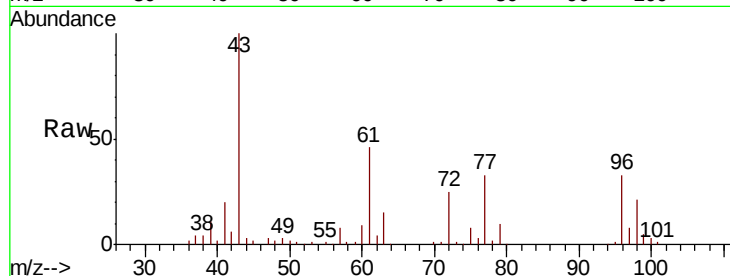
Tot Ion: 96 Resp: 68208

Ion Ratio Lower Upper

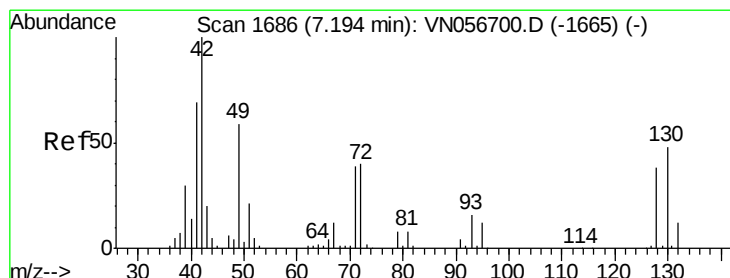
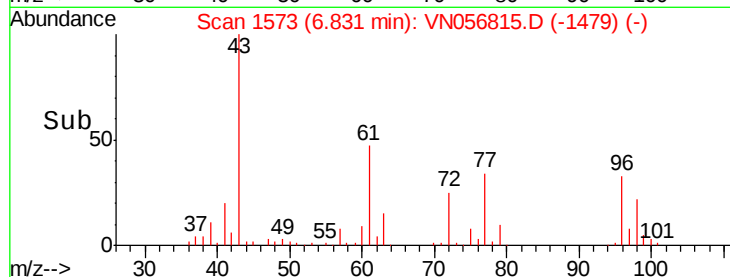
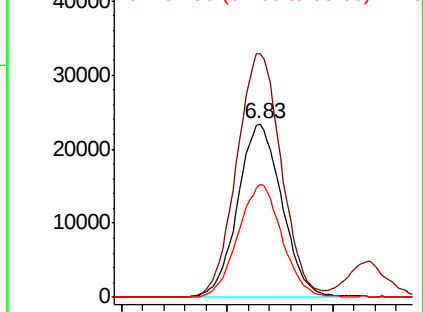
96 100

61 141.8 0.0 281.4

98 64.7 0.0 127.8



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



#28

Bromochloromethane

Concen: 19.219 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VN056815.D

Acq: 18 Jul 2019 16:27

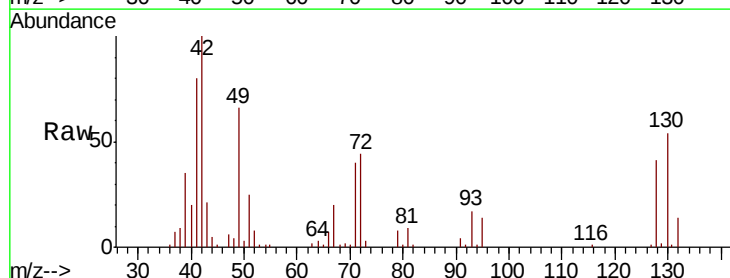
Tgt Ion: 49 Resp: 49878

Ion Ratio Lower Upper

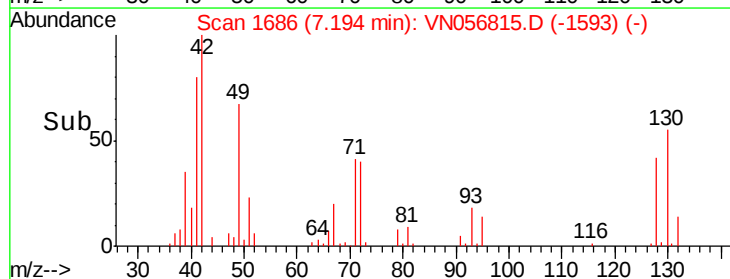
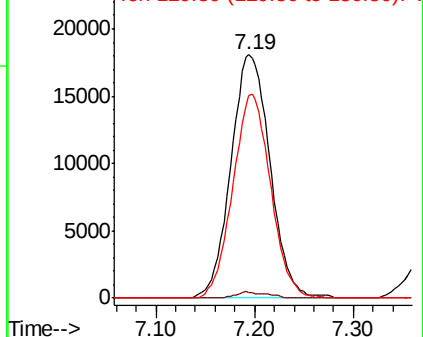
49 100

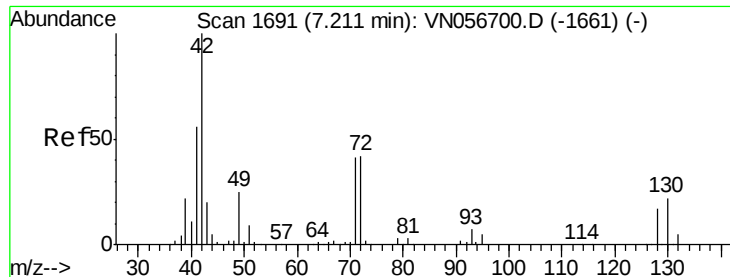
129 2.0 0.0 4.0

130 80.7 64.7 97.1



Abundance Ion 48.90 (48.60 to 49.60): VN0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V

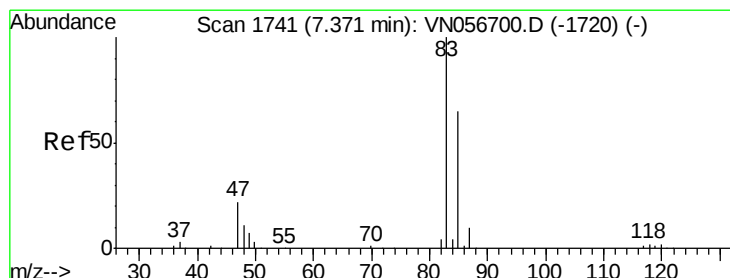
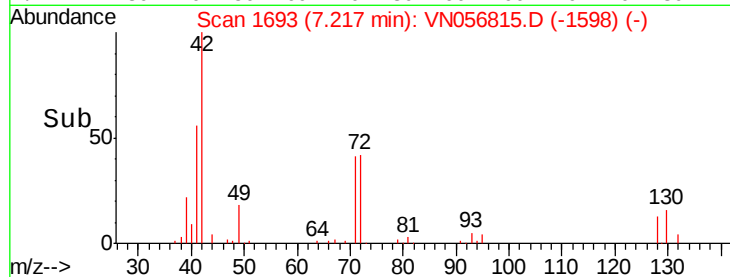
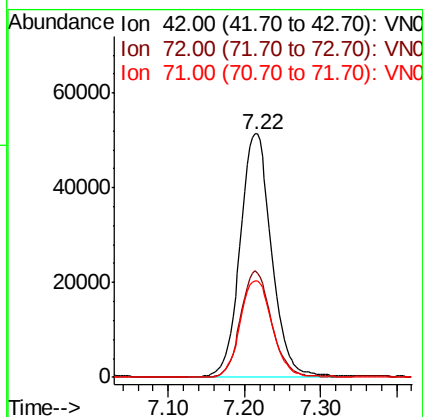
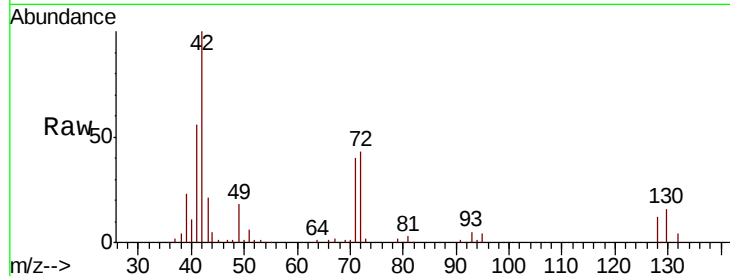




#29
Tetrahydrofuran
Concen: 102.687 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. 0.01 min
Lab File: VN056815.D
Acq: 18 Jul 2019 16:27

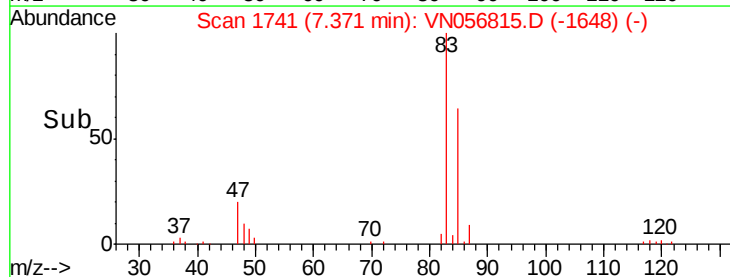
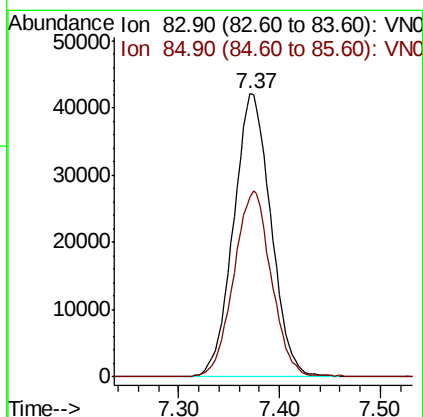
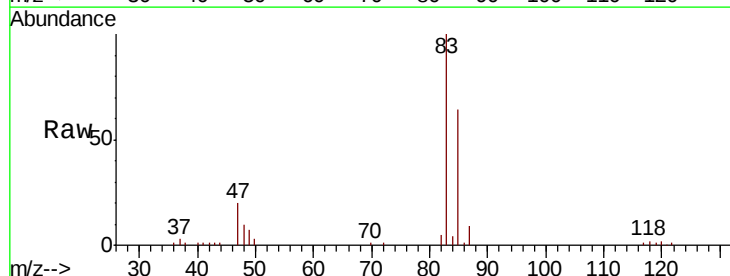
Instrument :
MSVOA_N
ClientSampleId :
VN0718WBS02

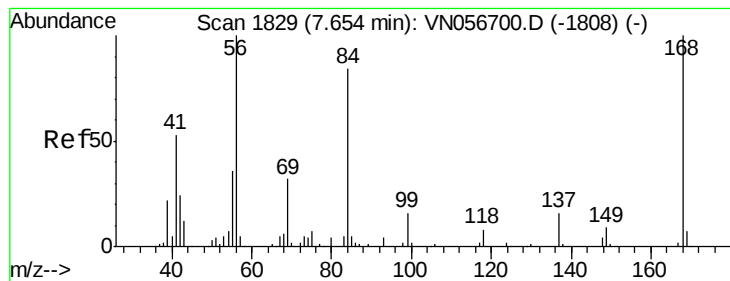
Tot Ion: 42 Resp: 148085
Ion Ratio Lower Upper
42 100
72 42.9 33.5 50.3
71 40.4 31.8 47.8



#30
Chloroform
Concen: 19.555 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN056815.D
Acq: 18 Jul 2019 16:27

Tgt Ion: 83 Resp: 108016
Ion Ratio Lower Upper
83 100
85 63.6 51.9 77.9





#31

Cyclohexane

Concen: 19.599 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. -0.00 min

Lab File: VN056815.D

Acq: 18 Jul 2019 16:27

Instrument :

MSVOA_N

ClientSampleId :

VN0718WBS02

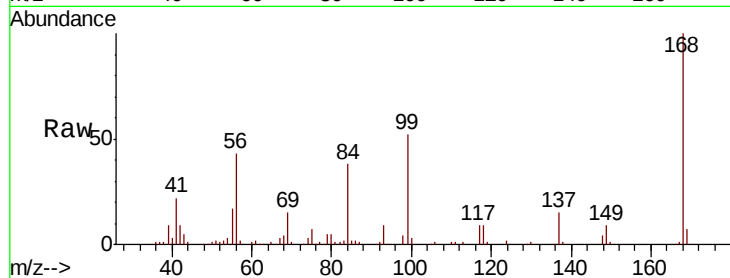
Tot Ion: 56 Resp: 102821

Ion Ratio Lower Upper

56 100

69 35.2 25.8 38.8

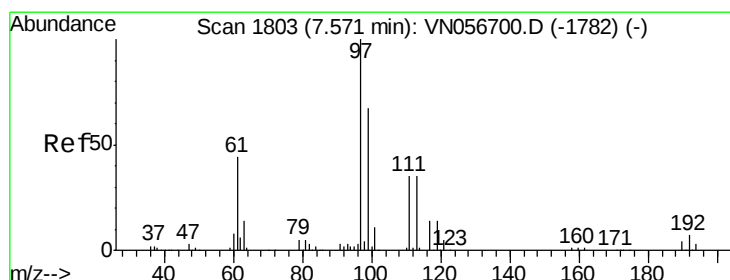
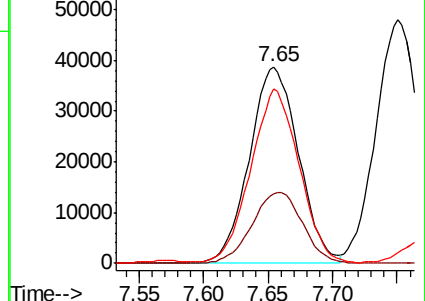
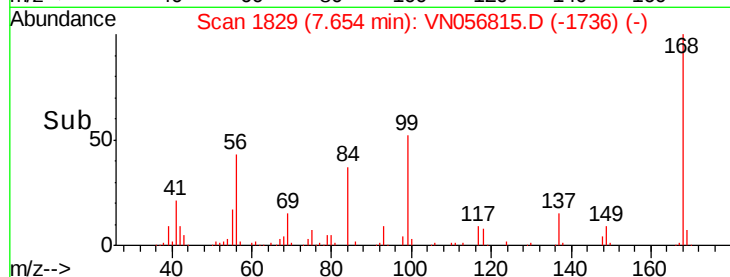
84 87.8 67.4 101.0



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 20.434 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VN056815.D

Acq: 18 Jul 2019 16:27

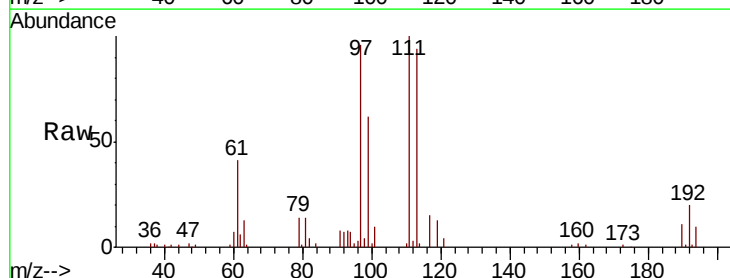
Tgt Ion: 97 Resp: 89263

Ion Ratio Lower Upper

97 100

99 63.8 52.0 78.0

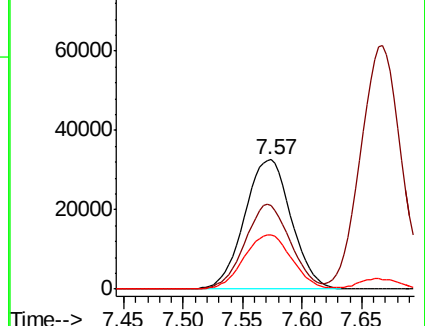
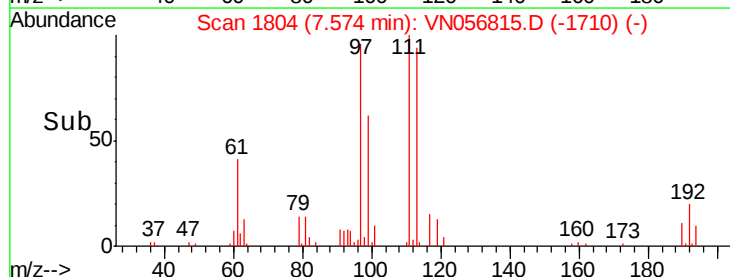
61 42.7 34.3 51.5

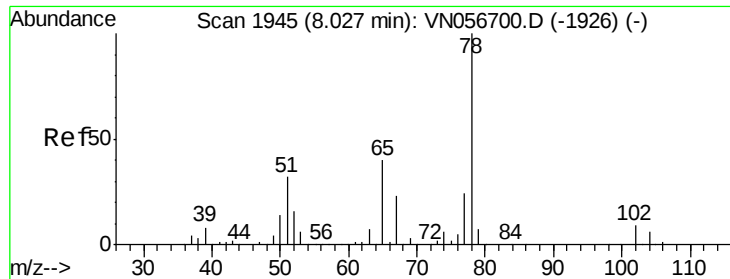


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

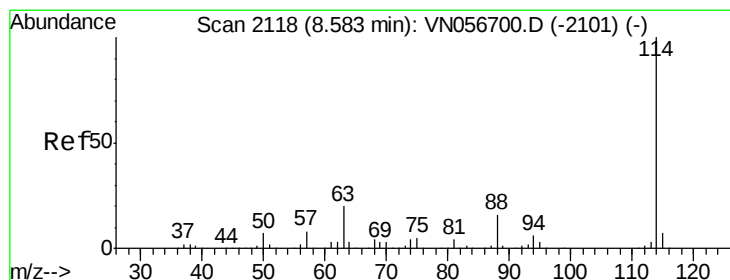
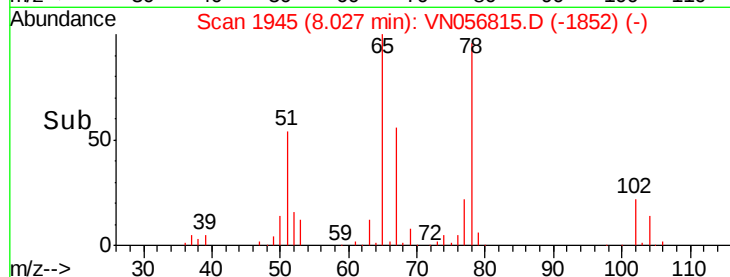
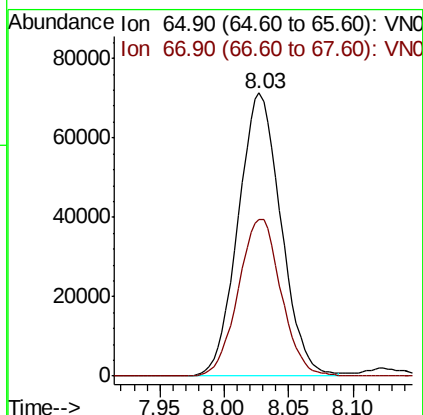
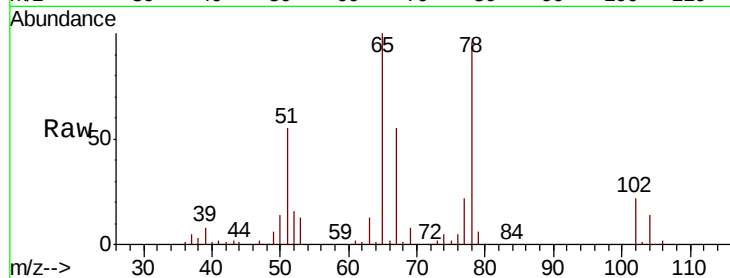




#33
 1,2-Dichloroethane-d4
 Concen: 50.223 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN056815.D
 Acq: 18 Jul 2019 16:27

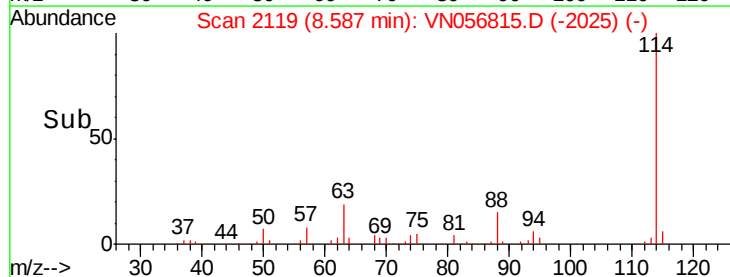
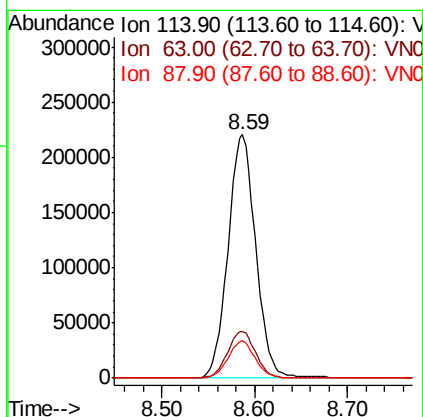
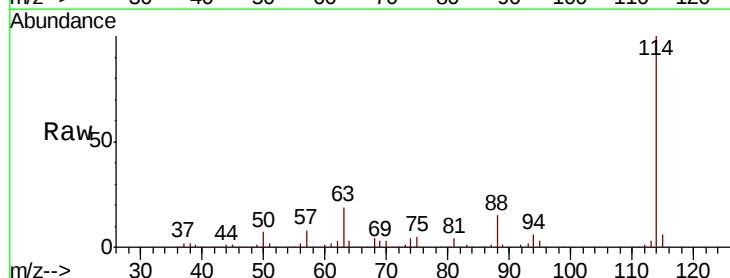
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0718WBS02

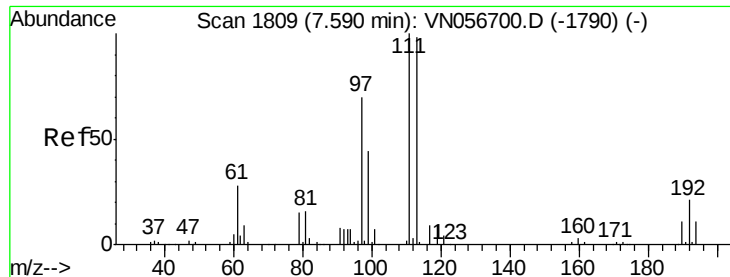
Tot Ion: 65 Resp: 164823
 Ion Ratio Lower Upper
 65 100
 67 55.6 0.0 109.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN056815.D
 Acq: 18 Jul 2019 16:27

Tgt Ion: 114 Resp: 456710
 Ion Ratio Lower Upper
 114 100
 63 19.3 0.0 39.4
 88 15.2 0.0 31.2

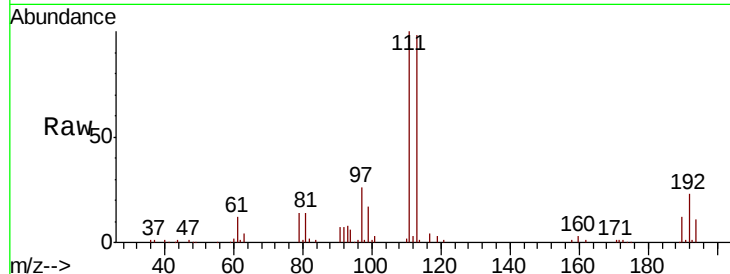




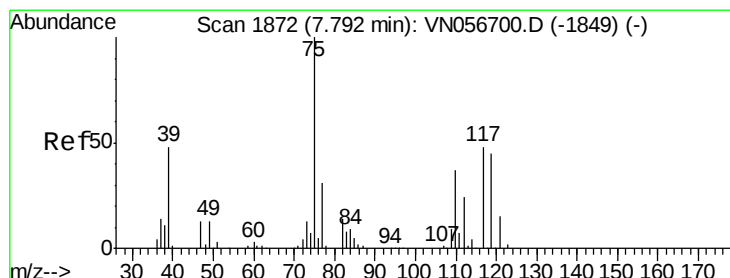
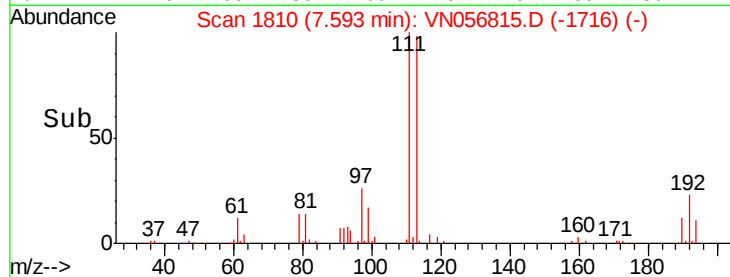
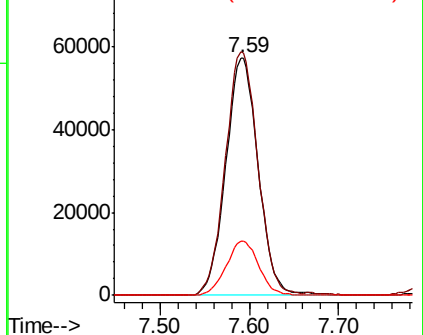
#35
 Dibromofluoromethane
 Concen: 50.809 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN056815.D
 Acq: 18 Jul 2019 16:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0718WBS02

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.7	81.8	122.6
192	22.8	17.5	26.3

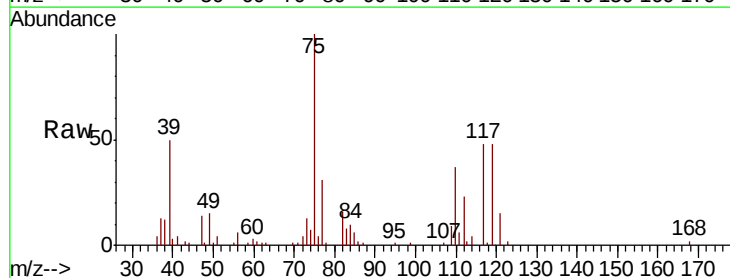


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

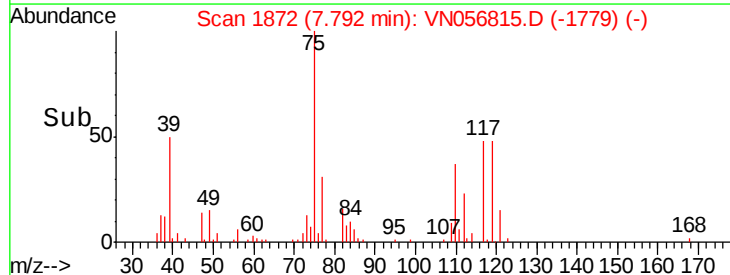
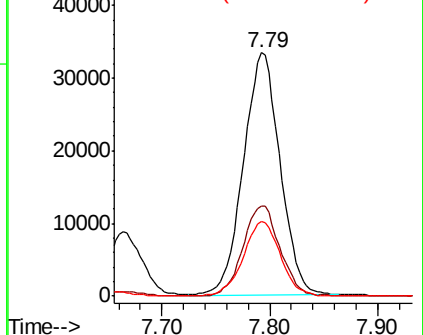


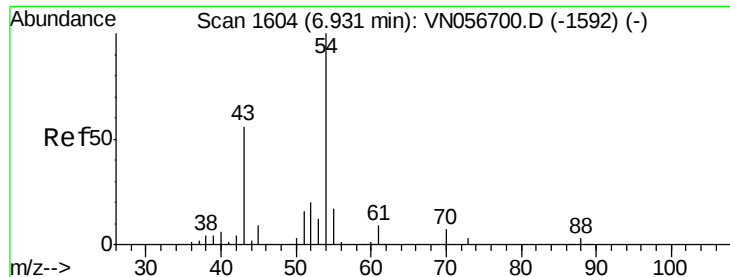
#36
 1,1-Dichloropropene
 Concen: 18.683 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. -0.00 min
 Lab File: VN056815.D
 Acq: 18 Jul 2019 16:27

Tgt Ion	Ratio	Lower	Upper
75	100		
110	37.2	18.4	55.4
77	30.9	24.6	36.8



Abundance Ion 74.90 (74.60 to 75.60): V
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): V

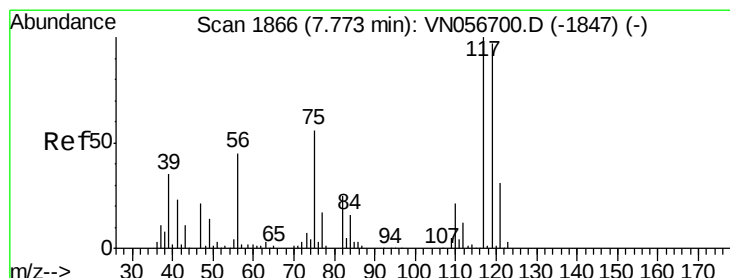
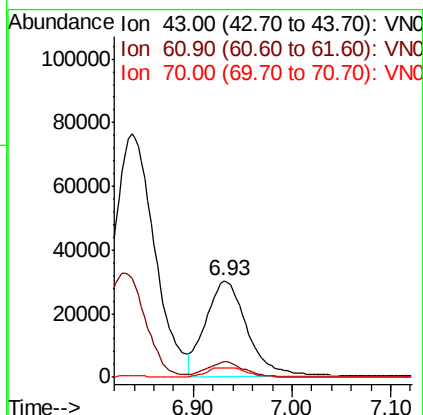
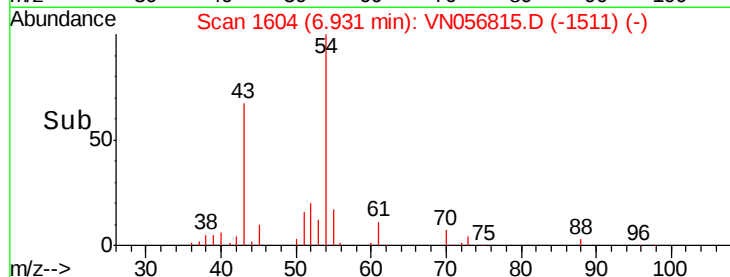
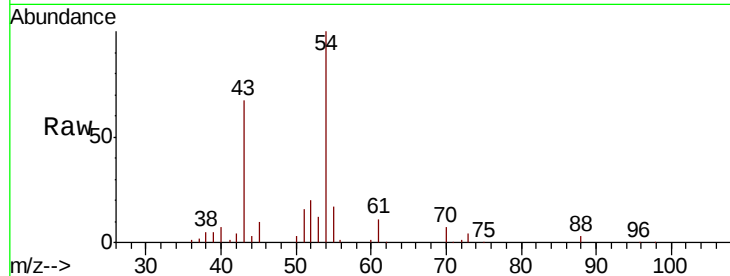




#37
Ethyl Acetate
Concen: 21.084 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. -0.00 min
Lab File: VN056815.D
Acq: 18 Jul 2019 16:27

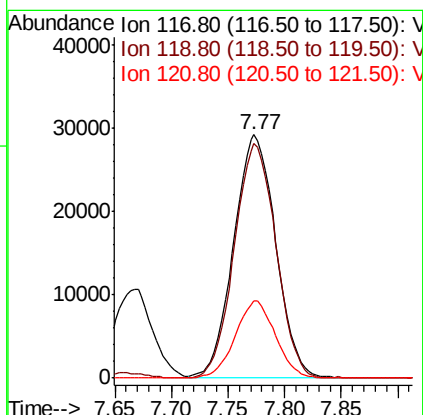
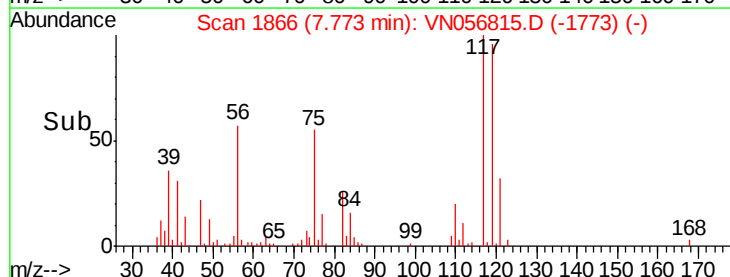
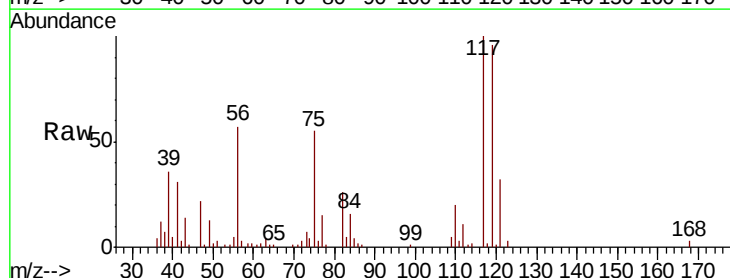
Instrument :
MSVOA_N
ClientSampled :
VN0718WBS02

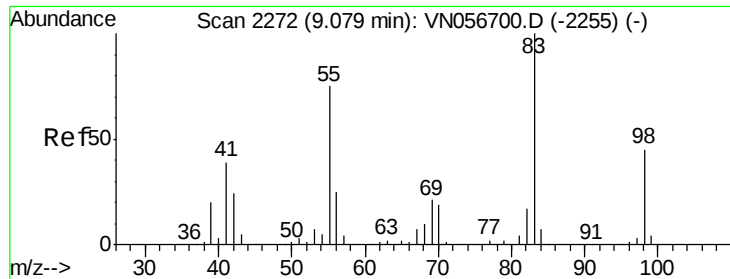
Tot Ion: 43 Resp: 87823
Ion Ratio Lower Upper
43 100
61 14.9 11.3 16.9
70 10.3 8.5 12.7



#38
Carbon Tetrachloride
Concen: 19.085 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN056815.D
Acq: 18 Jul 2019 16:27

Tgt Ion: 117 Resp: 75640
Ion Ratio Lower Upper
117 100
119 96.3 77.5 116.3
121 31.7 24.7 37.1

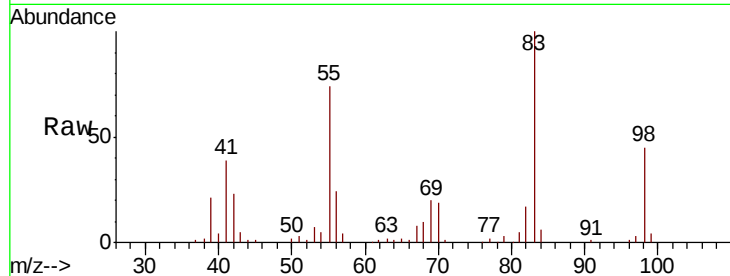




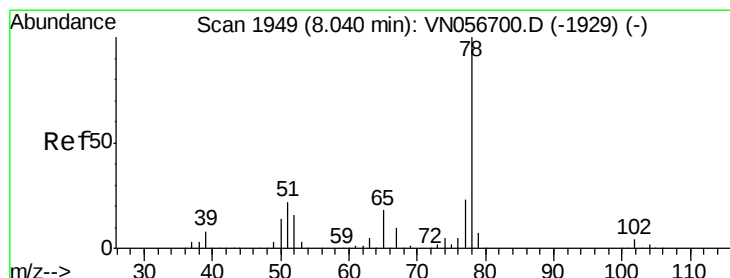
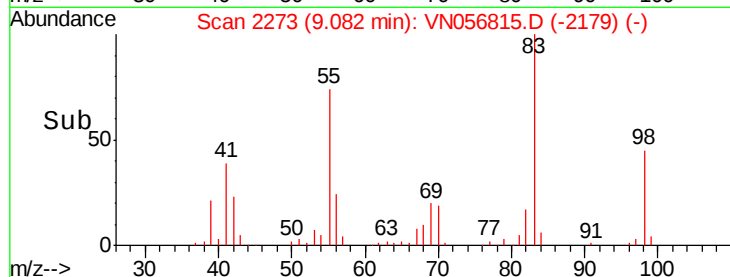
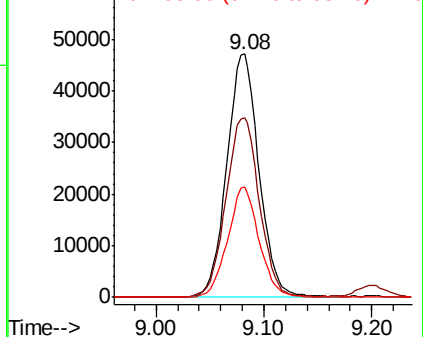
#39
Methvlcvclohexane
Concen: 18.824 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN056815.D
Acq: 18 Jul 2019 16:27

Instrument :
MSVOA_N
ClientSampleId :
VN0718WBS02

Tot Ion: 83 Resp: 98232
Ion Ratio Lower Upper
83 100
55 74.0 60.4 90.6
98 45.3 35.8 53.8

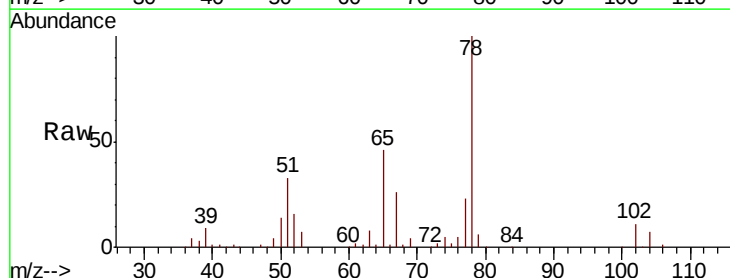


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

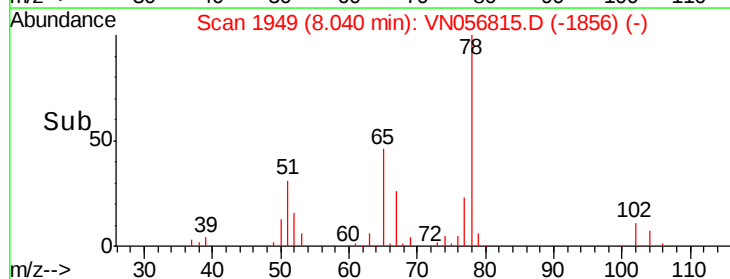
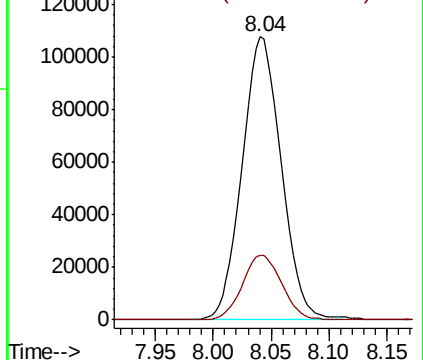


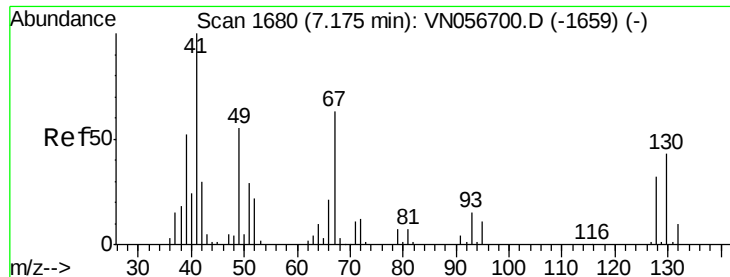
#40
Benzene
Concen: 19.552 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN056815.D
Acq: 18 Jul 2019 16:27

Tgt Ion: 78 Resp: 253180
Ion Ratio Lower Upper
78 100
77 22.9 18.6 27.8



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

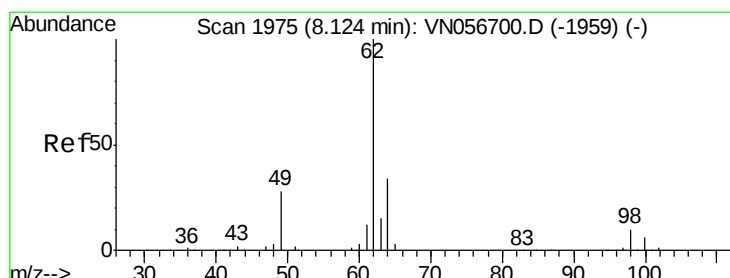
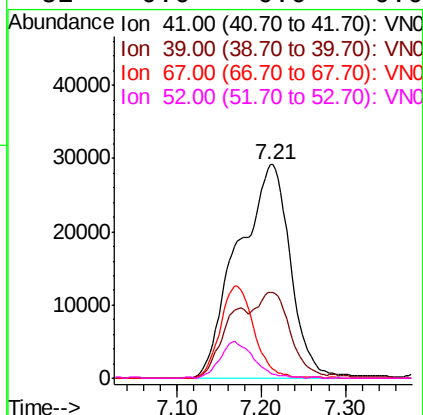
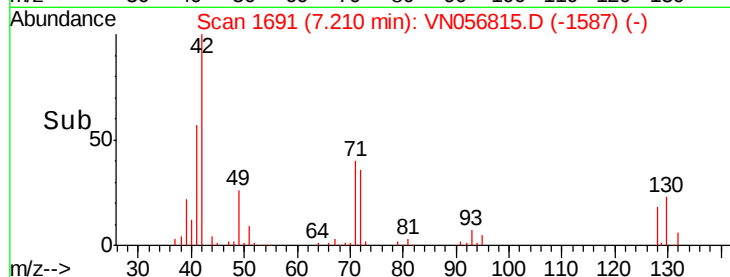
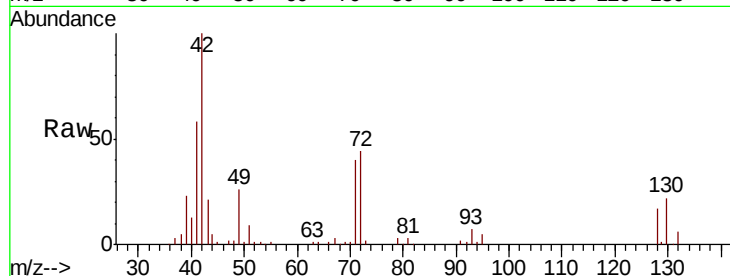




#41
Methacrylonitrile
Concen: 68.898 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. 0.04 min
Lab File: VN056815.D
Acq: 18 Jul 2019 16:27

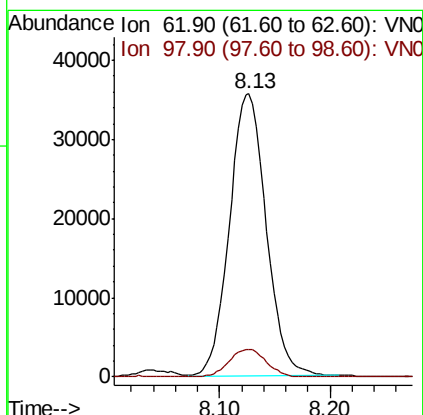
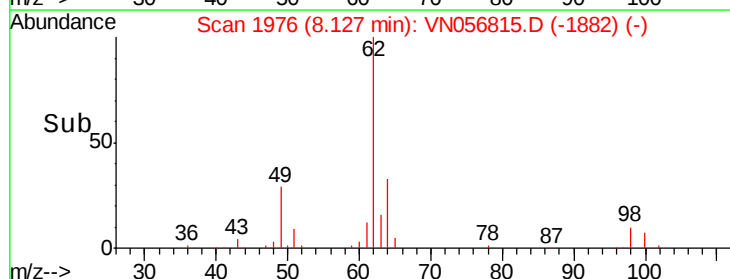
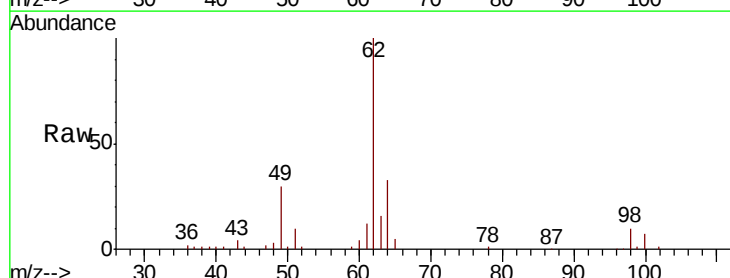
Instrument :
MSVOA_N
ClientSampleId :
VN0718WBS02

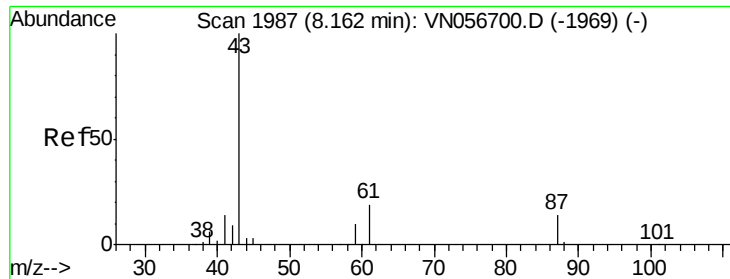
Tot Ion:	41	Resp:	126061
Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0



#42
1,2-Dichloroethane
Concen: 20.134 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN056815.D
Acq: 18 Jul 2019 16:27

Tgt Ion:	62	Resp:	82400
Ion	Ratio	Lower	Upper
62	100		
98	9.8	0.0	19.8





#43

Isopropyl Acetate

Concen: 19.885 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN056815.D

Acq: 18 Jul 2019 16:27

Instrument :

MSVOA_N

ClientSampleId :

VN0718WBS02

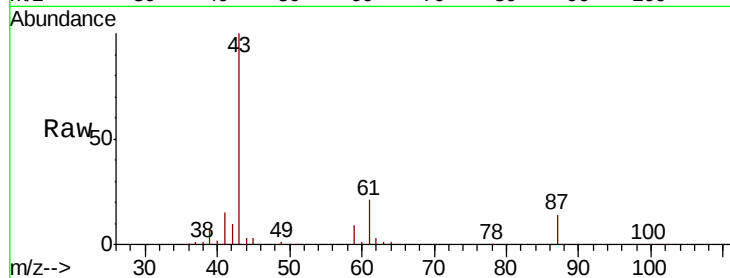
Tot Ion: 43 Resp: 130213

Ion Ratio Lower Upper

43 100

61 21.9 22.3 33.5#

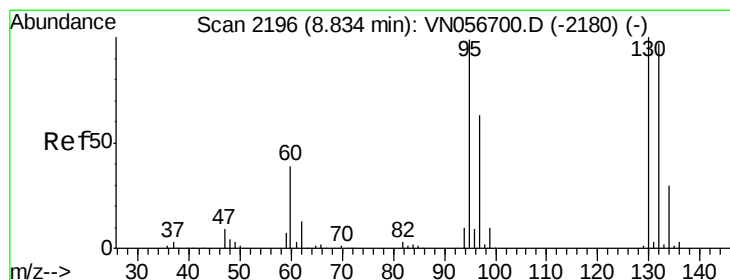
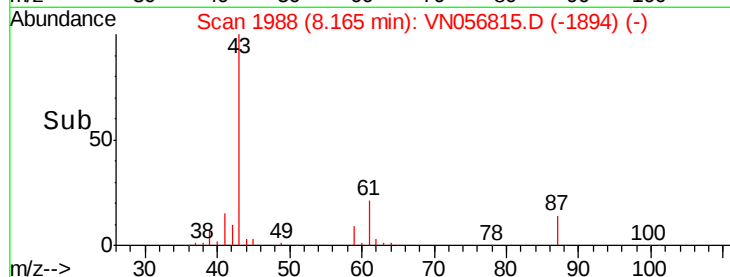
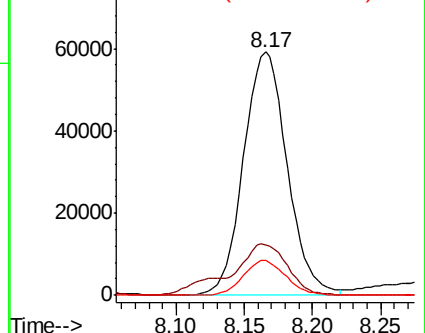
87 14.1 11.1 16.7



Abundance Ion 43.00 (42.70 to 43.70): VN056700.D (-1969) (-)

Ion 61.00 (60.70 to 61.70): VN056700.D (-1969) (-)

Ion 87.00 (86.70 to 87.70): VN056700.D (-1969) (-)



#44

Trichloroethene

Concen: 19.667 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. -0.00 min

Lab File: VN056815.D

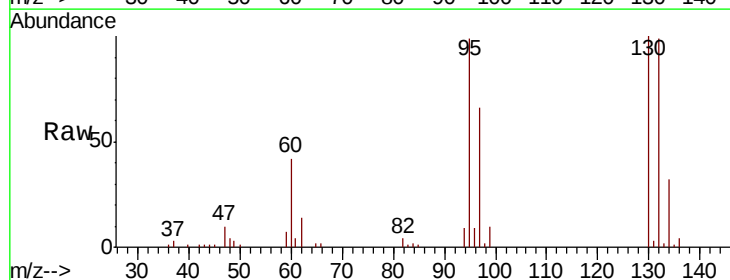
Acq: 18 Jul 2019 16:27

Tgt Ion:130 Resp: 69158

Ion Ratio Lower Upper

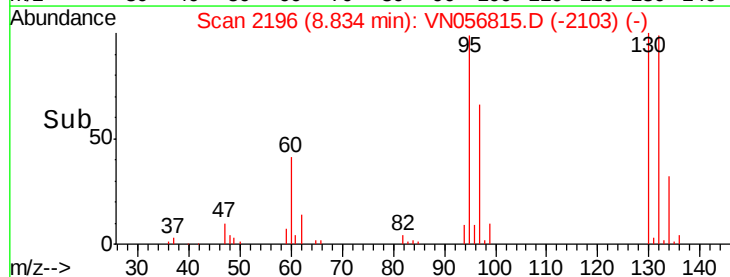
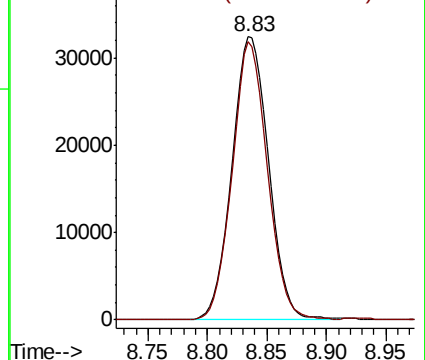
130 100

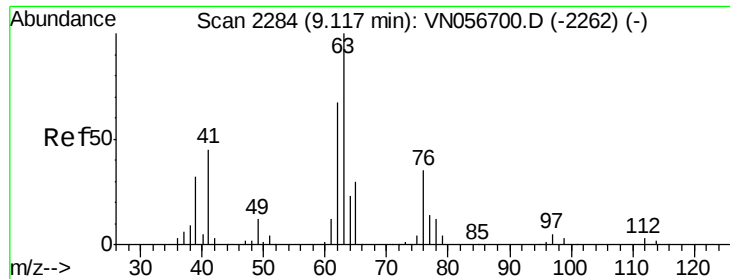
95 98.5 0.0 197.2



Abundance Ion 129.80 (129.50 to 130.50): VN056700.D (-2180) (-)

Ion 94.90 (94.60 to 95.60): VN056700.D (-2180) (-)





#45

1,2-Dichloropropane

Concen: 19.804 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN056815.D

Acq: 18 Jul 2019 16:27

Instrument :

MSVOA_N

ClientSampled :

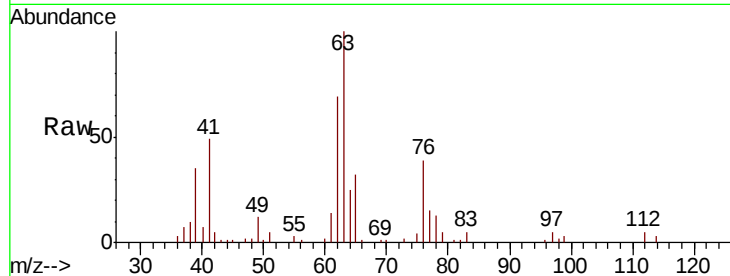
VN0718WBS02

Tot Ion: 63 Resp: 68142

Ion Ratio Lower Upper

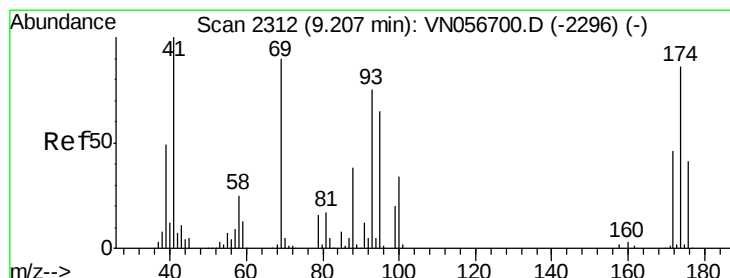
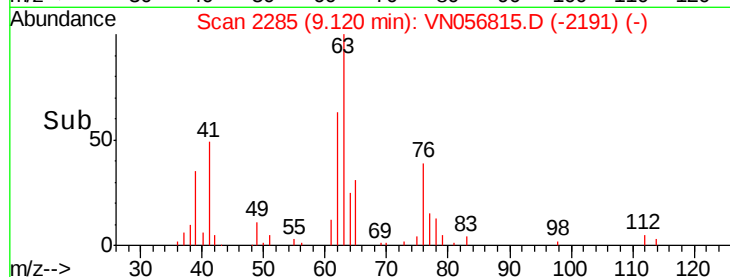
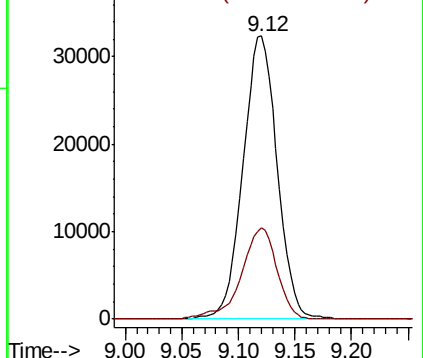
63 100

65 32.1 24.0 36.0



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 20.483 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. -0.00 min

Lab File: VN056815.D

Acq: 18 Jul 2019 16:27

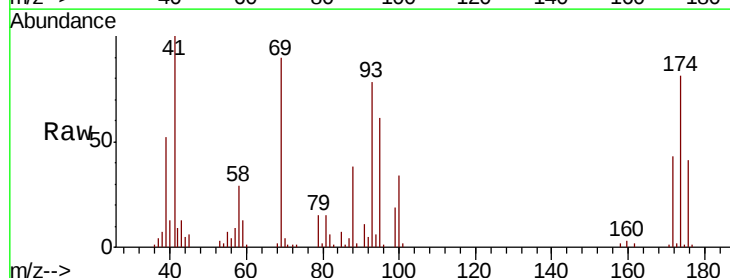
Tgt Ion: 93 Resp: 43676

Ion Ratio Lower Upper

93 100

95 82.2 67.4 101.0

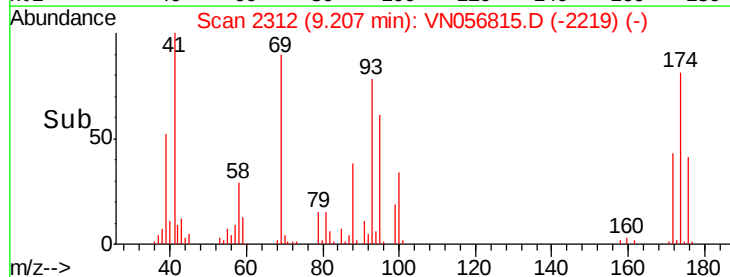
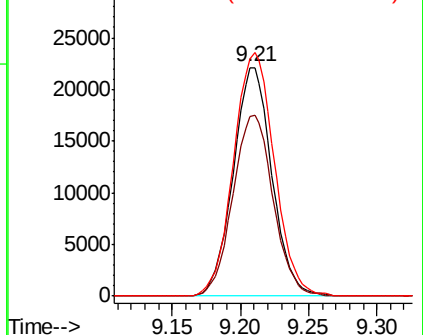
174 112.5 90.3 135.5

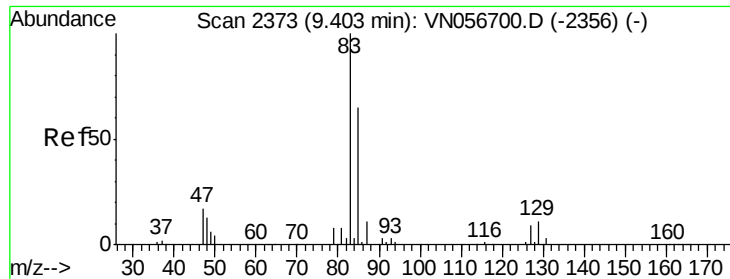


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 20.266 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN056815.D

Acq: 18 Jul 2019 16:27

Instrument :

MSVOA_N

ClientSampleId :

VN0718WBS02

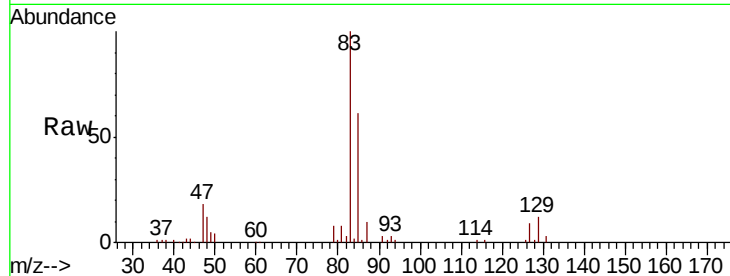
Tot Ion: 83 Resp: 82118

Ion Ratio Lower Upper

83 100

85 61.1 52.3 78.5

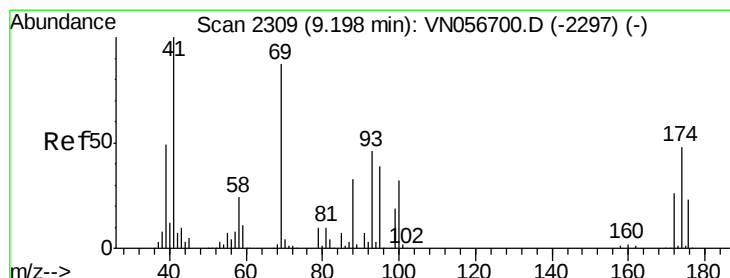
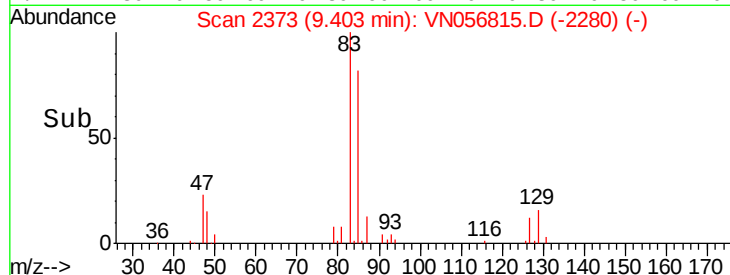
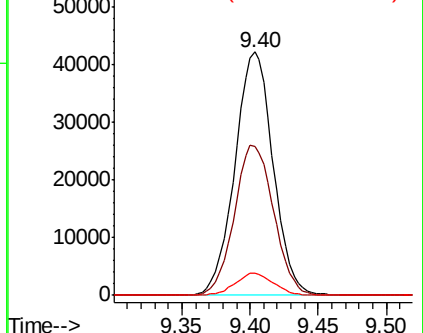
127 9.0 7.6 11.4



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 126.80 (126.50 to 127.50): VN0



#48

Methyl methacrylate

Concen: 20.498 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN056815.D

Acq: 18 Jul 2019 16:27

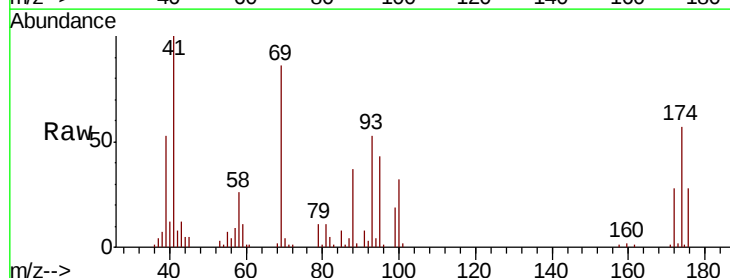
Tgt Ion: 41 Resp: 64915

Ion Ratio Lower Upper

41 100

69 88.0 71.4 107.0

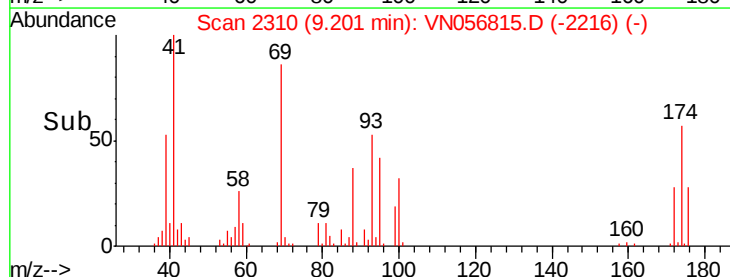
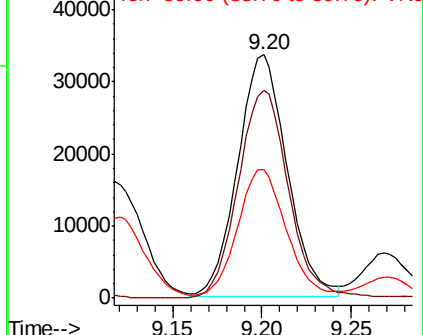
39 52.4 41.2 61.8

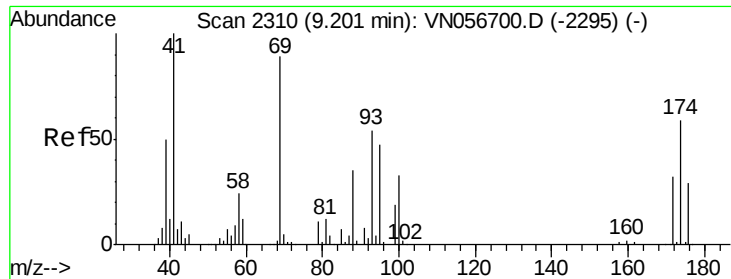


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

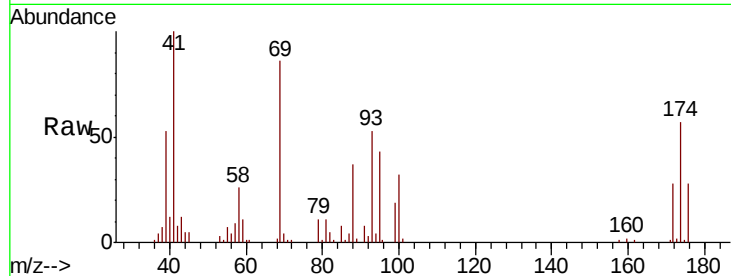




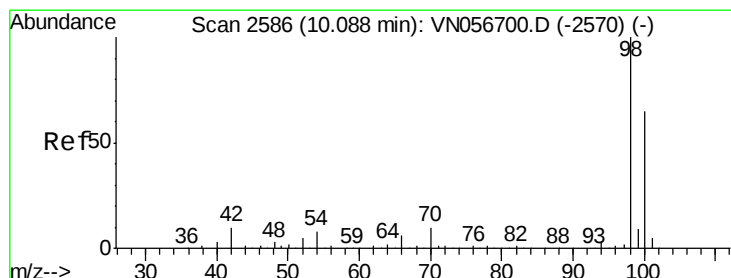
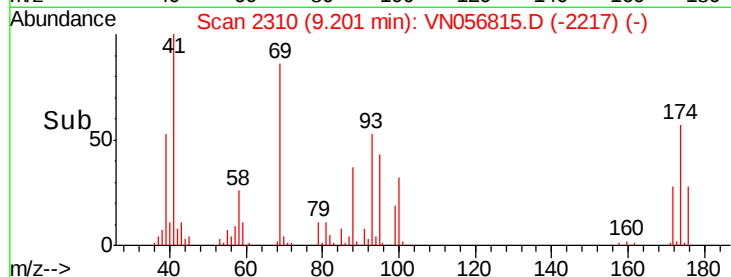
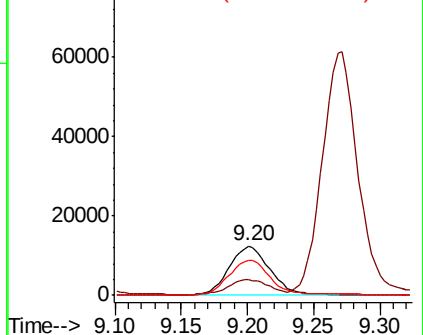
#49
 1,4-Dioxane
 Concen: 408.526 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. -0.00 min
 Lab File: VN056815.D
 Acq: 18 Jul 2019 16:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0718WBS02

Tot Ion: 88 Resp: 26546
 Ion Ratio Lower Upper
 88 100
 43 29.9 23.7 35.5
 58 73.4 55.6 83.4

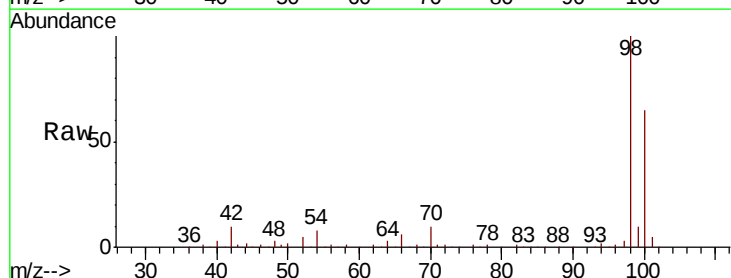


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

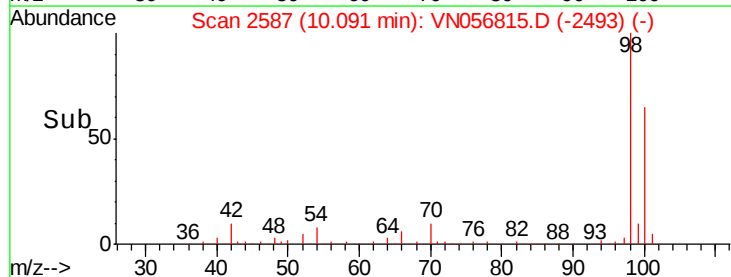
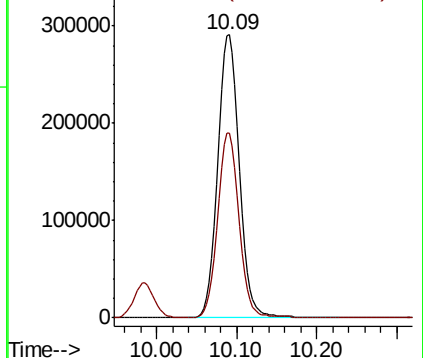


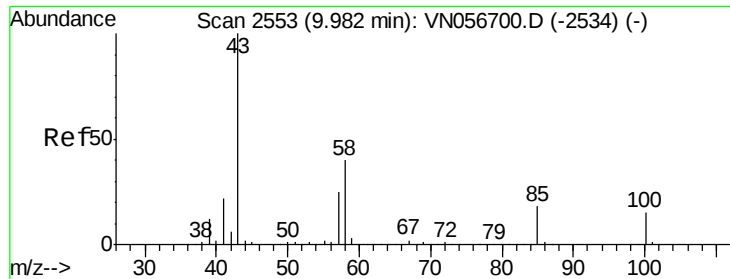
#50
 Toluene-d8
 Concen: 50.013 ug/l
 RT: 10.09 min Scan# 2587
 Delta R.T. 0.00 min
 Lab File: VN056815.D
 Acq: 18 Jul 2019 16:27

Tgt Ion: 98 Resp: 549003
 Ion Ratio Lower Upper
 98 100
 100 65.0 52.0 78.0



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





#51

4-Methyl-2-Pentanone

Concen: 102.137 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. -0.00 min

Lab File: VN056815.D

Acq: 18 Jul 2019 16:27

Instrument :

MSVOA_N

ClientSampled :

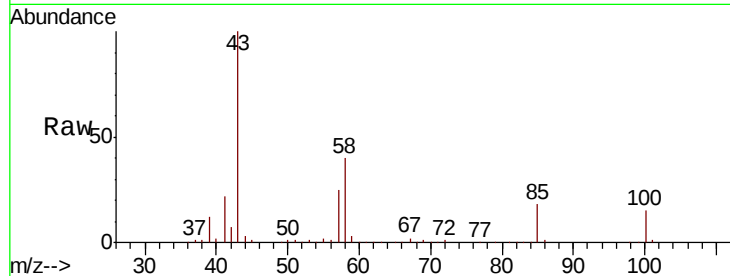
VN0718WBS02

Tot Ion: 43 Resp: 433185

Ion Ratio Lower Upper

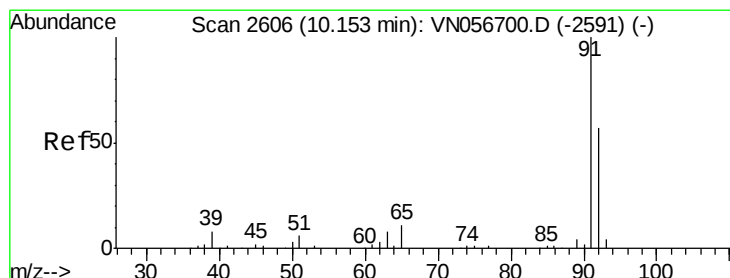
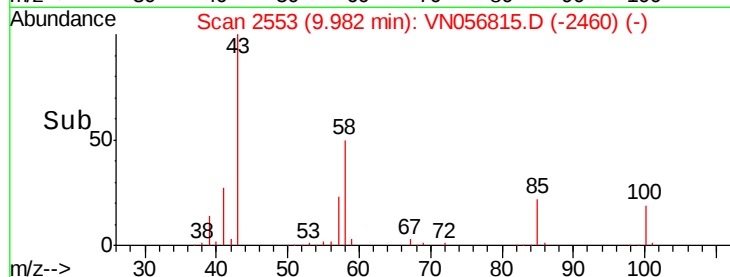
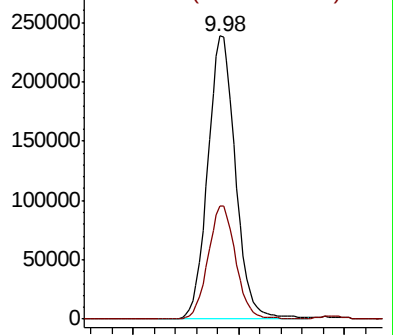
43 100

58 40.1 32.0 48.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 20.150 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN056815.D

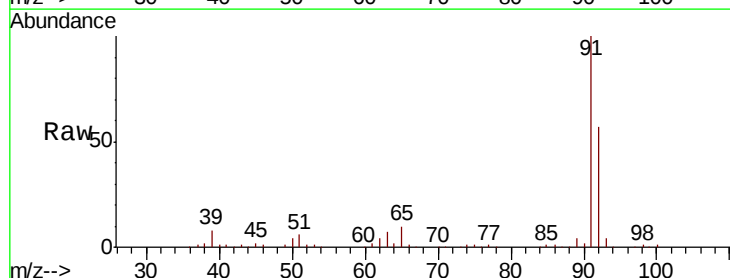
Acq: 18 Jul 2019 16:27

Tgt Ion: 92 Resp: 154958

Ion Ratio Lower Upper

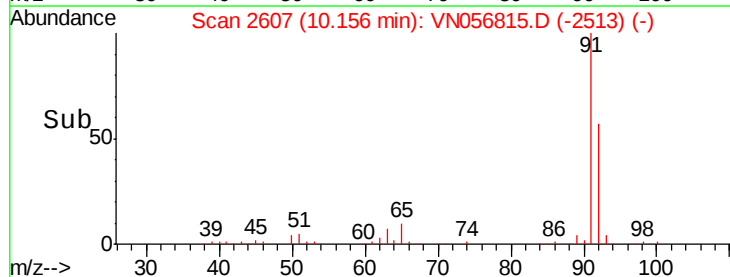
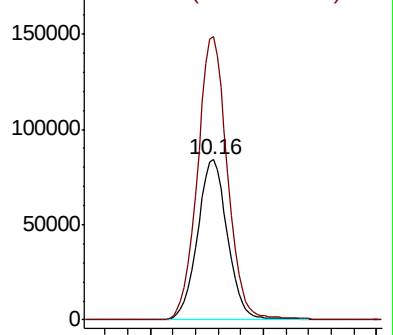
92 100

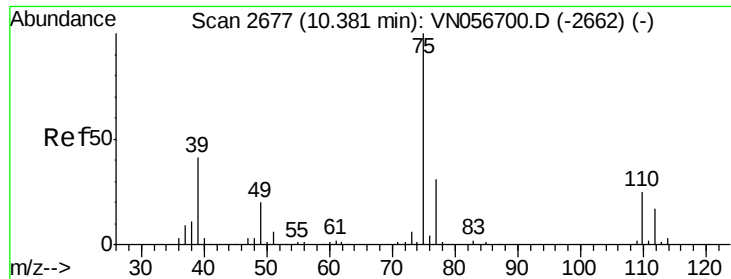
91 176.9 139.9 209.9



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





#53

t-1,3-Dichloropropene

Concen: 19.465 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. -0.00 min

Lab File: VN056815.D

Acq: 18 Jul 2019 16:27

Instrument :

MSVOA_N

ClientSampleId :

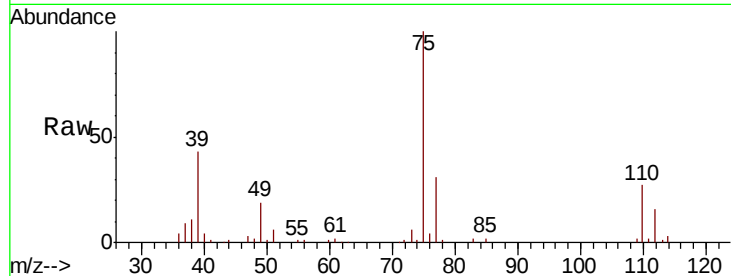
VN0718WBS02

Tot Ion: 75 Resp: 82289

Ion Ratio Lower Upper

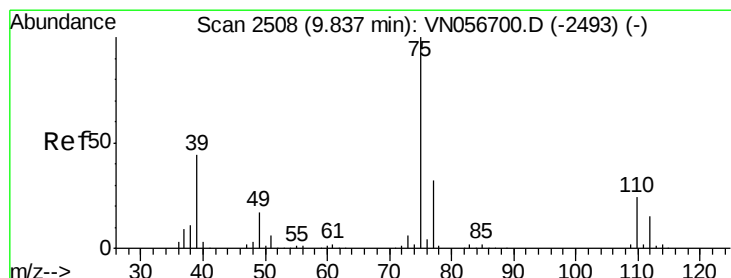
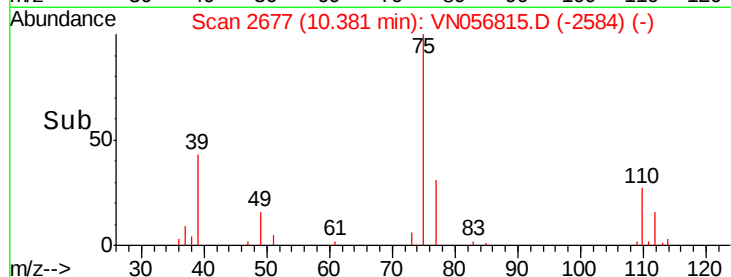
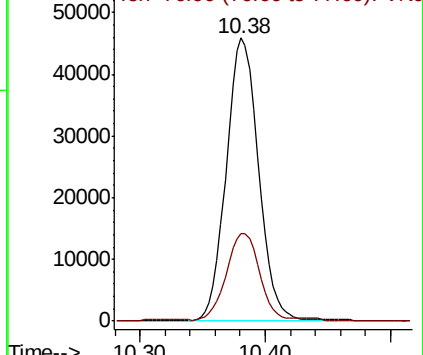
75 100

77 31.0 25.0 37.6



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 19.474 ug/l

RT: 9.84 min Scan# 2508

Delta R.T. -0.00 min

Lab File: VN056815.D

Acq: 18 Jul 2019 16:27

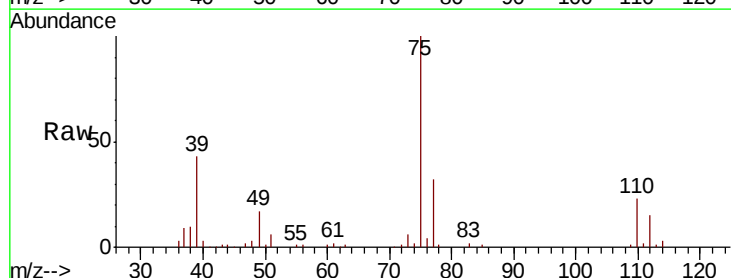
Tgt Ion: 75 Resp: 95534

Ion Ratio Lower Upper

75 100

77 32.0 26.0 39.0

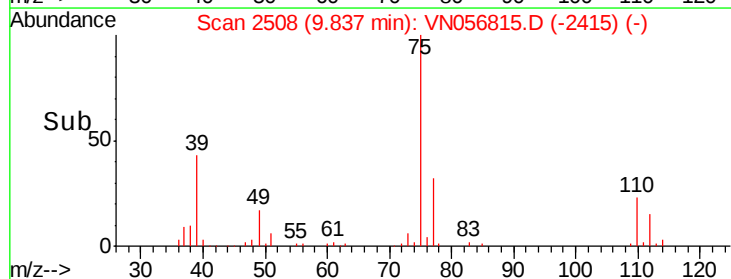
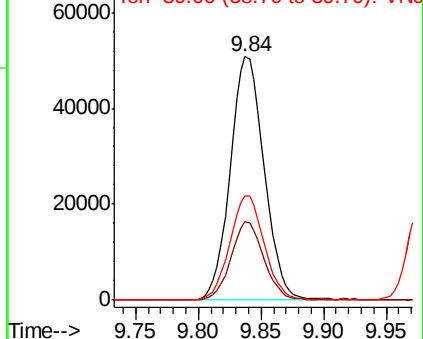
39 42.9 35.1 52.7

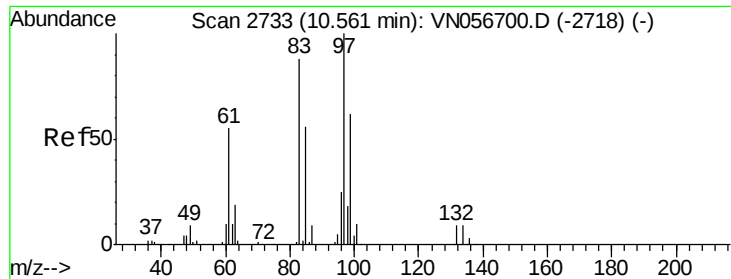


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0





#55

1,1,2-Trichloroethane

Concen: 19.731 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. -0.00 min

Lab File: VN056815.D

Acq: 18 Jul 2019 16:27

Instrument :

MSVOA_N

ClientSampled :

VN0718WBS02

Tot Ion: 97 Resp: 63645

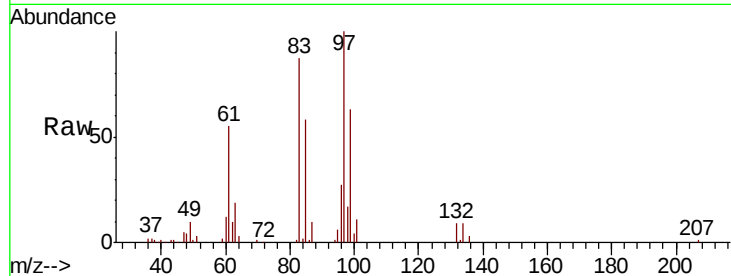
Ion Ratio Lower Upper

97 100

83 86.9 70.3 105.5

85 57.9 44.8 67.2

99 63.2 49.6 74.4

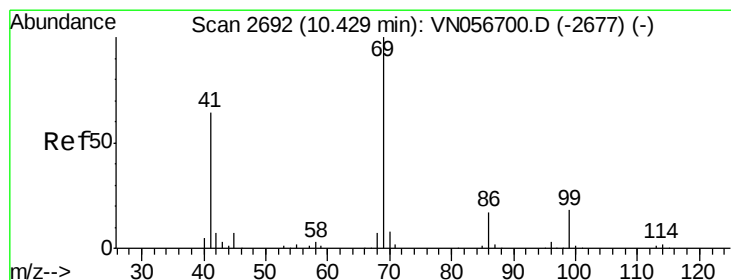
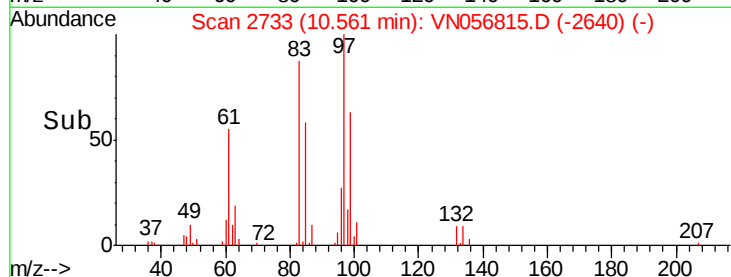
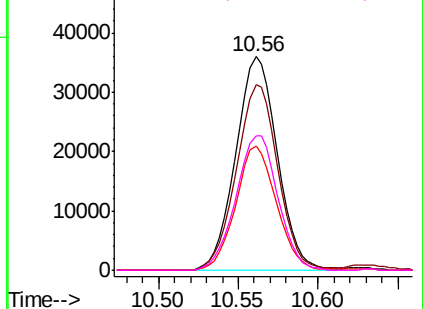


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 20.246 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. -0.00 min

Lab File: VN056815.D

Acq: 18 Jul 2019 16:27

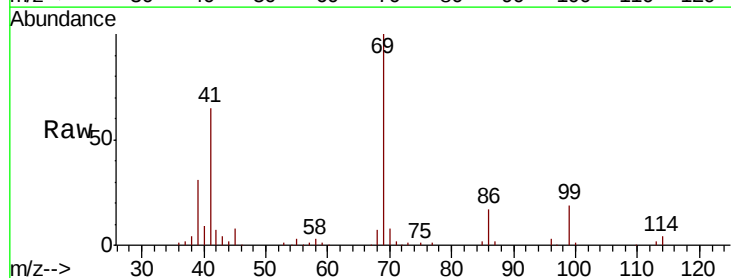
Tgt Ion: 69 Resp: 93966

Ion Ratio Lower Upper

69 100

41 62.7 51.0 76.4

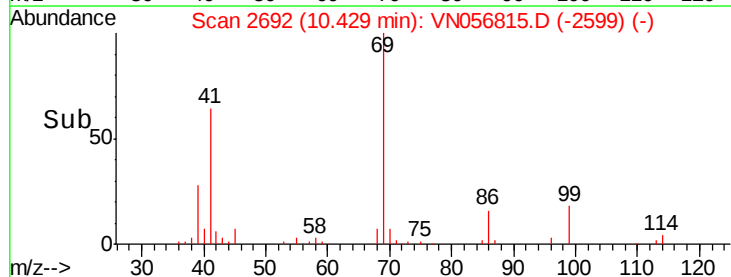
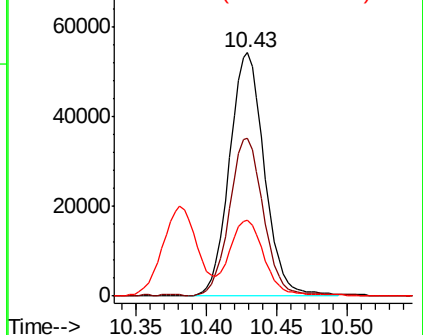
39 30.5 24.6 36.8

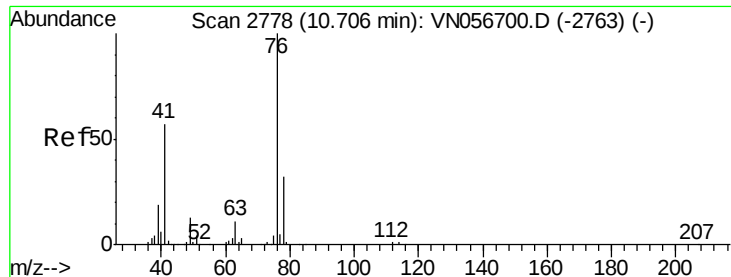


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

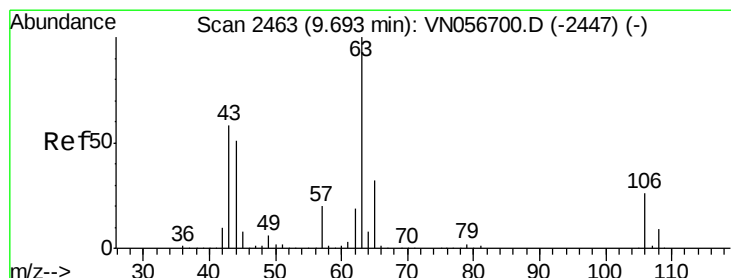
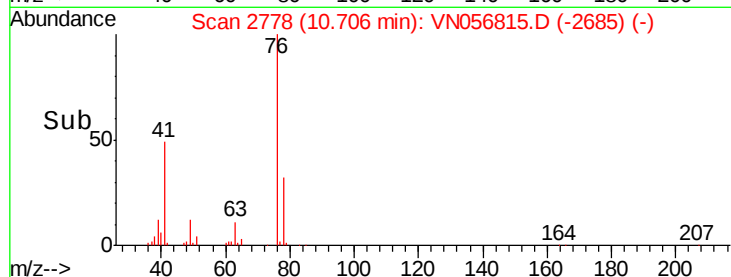
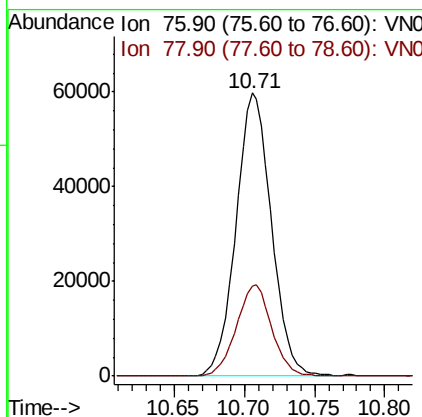
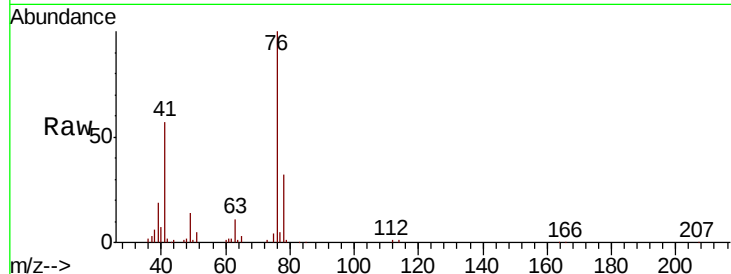




#57
 1,3-Dichloropropane
 Concen: 19.968 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. -0.00 min
 Lab File: VN056815.D
 Acq: 18 Jul 2019 16:27

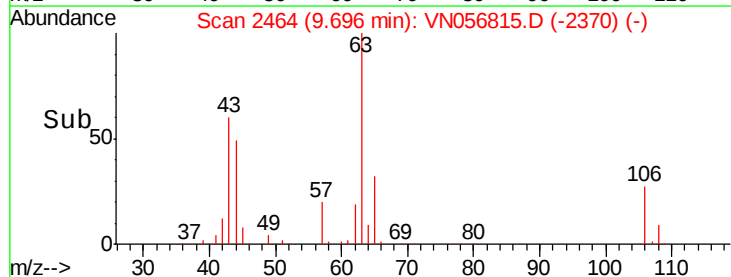
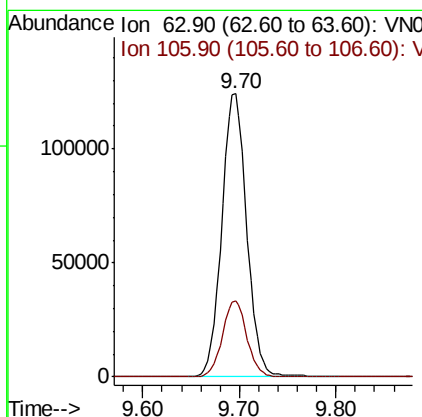
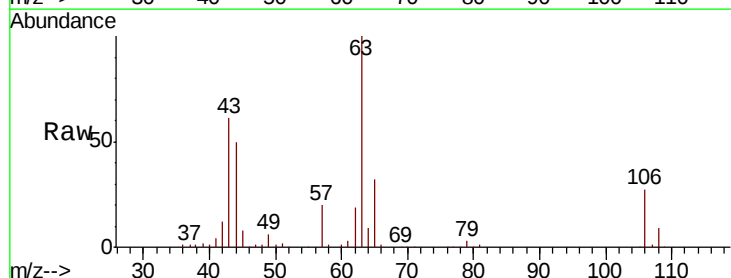
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0718WBS02

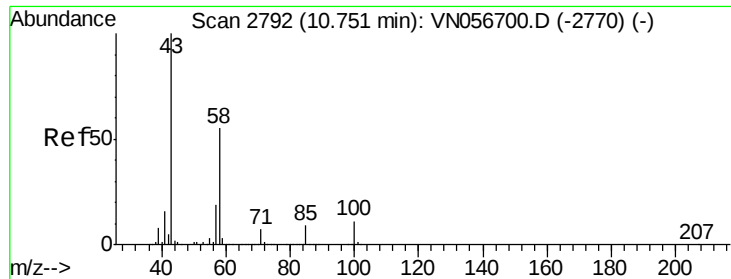
Tot Ion: 76 Resp: 105194
 Ion Ratio Lower Upper
 76 100
 78 32.3 26.0 39.0



#58
 2-Chloroethyl Vinyl ether
 Concen: 99.657 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN056815.D
 Acq: 18 Jul 2019 16:27

Tgt Ion: 63 Resp: 222416
 Ion Ratio Lower Upper
 63 100
 106 26.2 21.2 31.8

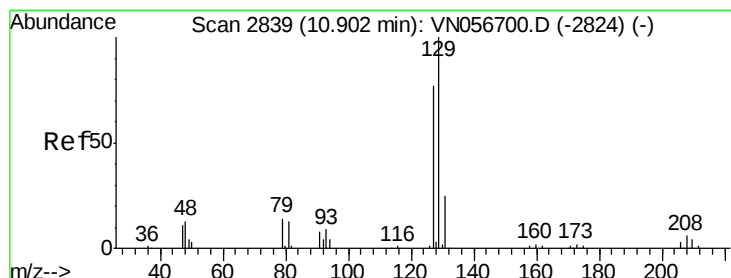
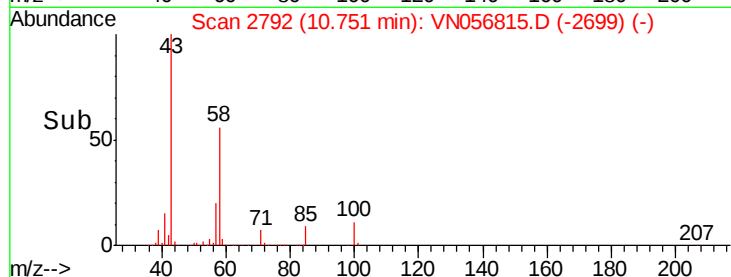
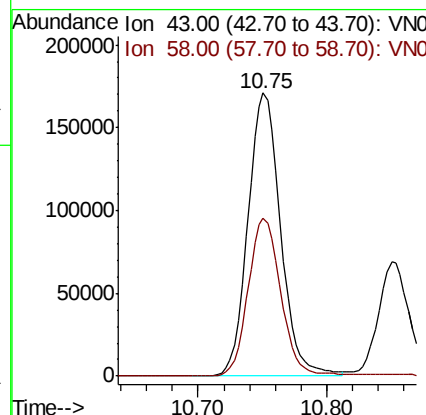
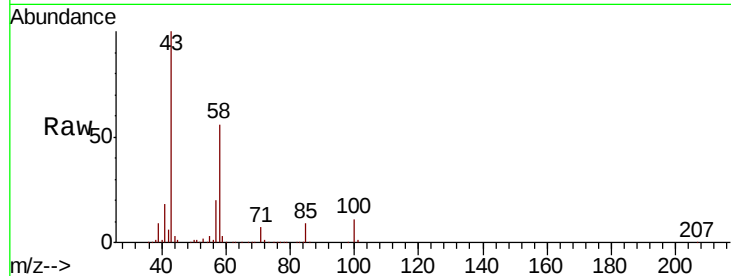




#59
2-Hexanone
Concen: 98.643 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN056815.D
Acq: 18 Jul 2019 16:27

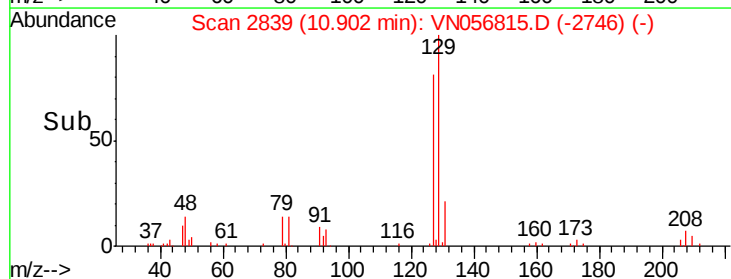
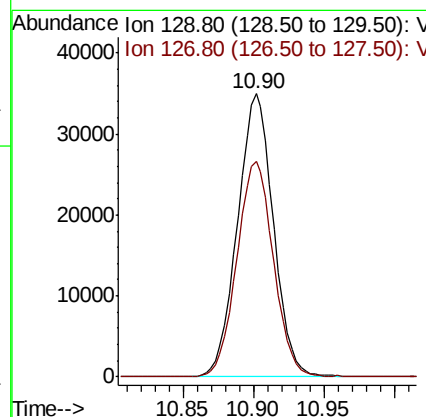
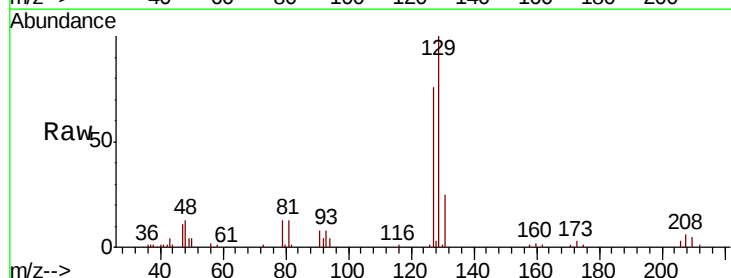
Instrument :
MSVOA_N
ClientSampleId :
VN0718WBS02

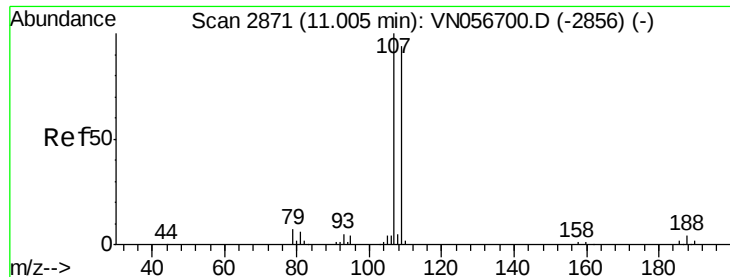
Tot Ion: 43 Resp: 300191
Ion Ratio Lower Upper
43 100
58 56.2 27.9 83.6



#60
Dibromochloromethane
Concen: 19.608 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN056815.D
Acq: 18 Jul 2019 16:27

Tgt Ion: 129 Resp: 62201
Ion Ratio Lower Upper
129 100
127 77.5 38.2 114.6

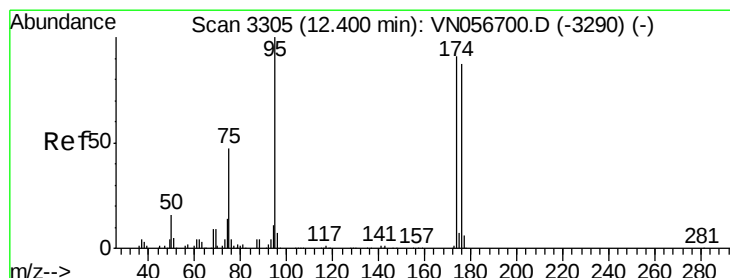
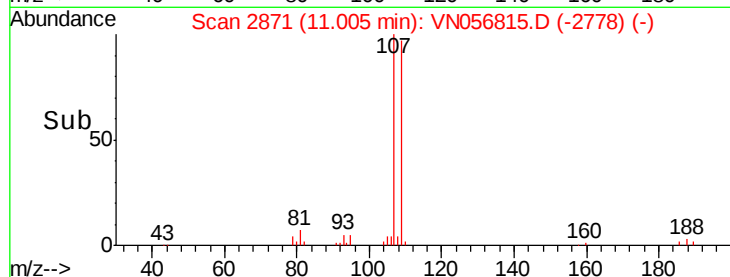
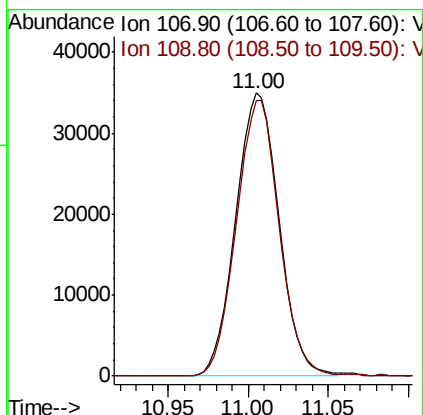
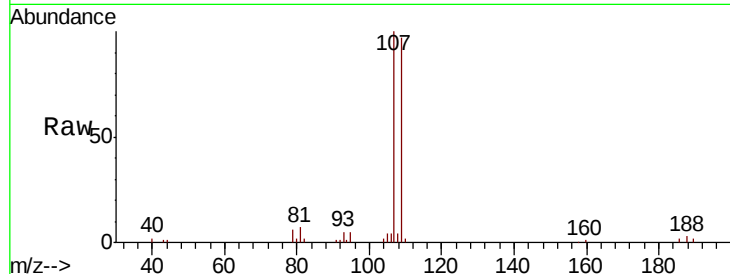




#61
 1,2-Dibromoethane
 Concen: 20.133 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN056815.D
 Acq: 18 Jul 2019 16:27

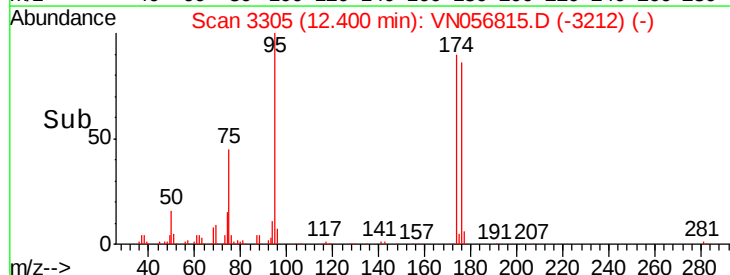
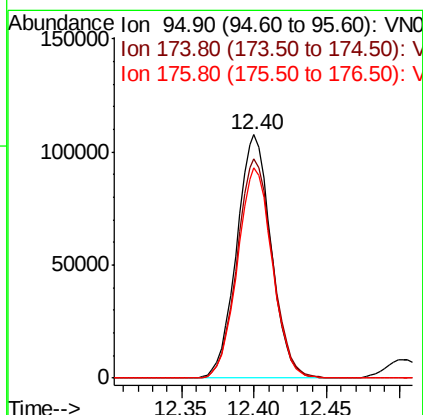
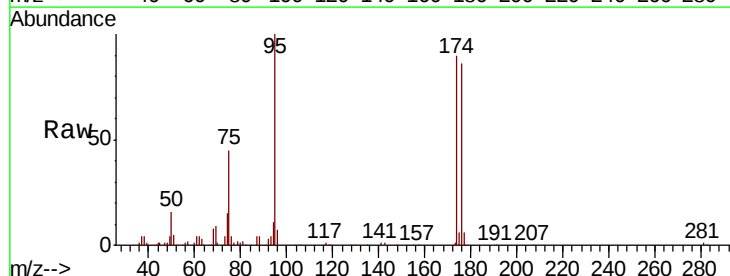
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0718WBS02

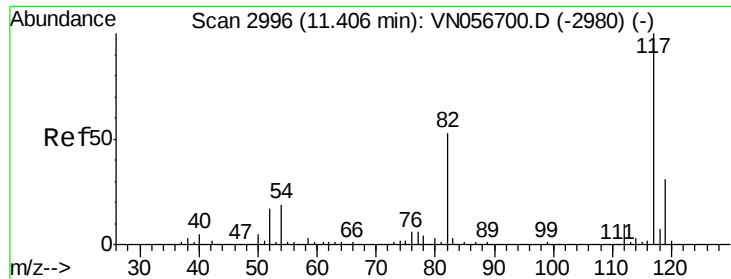
Tot Ion:107 Resp: 64540
 Ion Ratio Lower Upper
 107 100
 109 96.5 76.2 114.4



#62
 4-Bromofluorobenzene
 Concen: 47.862 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN056815.D
 Acq: 18 Jul 2019 16:27

Tgt Ion: 95 Resp: 177179
 Ion Ratio Lower Upper
 95 100
 174 92.5 0.0 180.0
 176 87.6 0.0 173.2

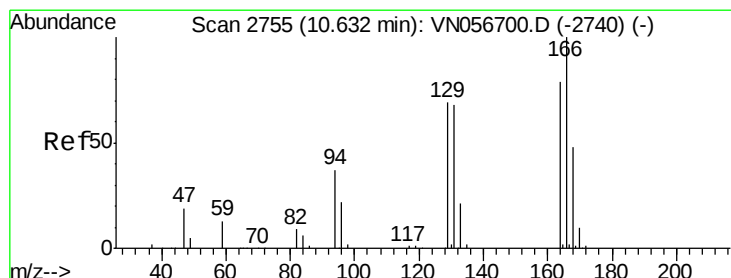
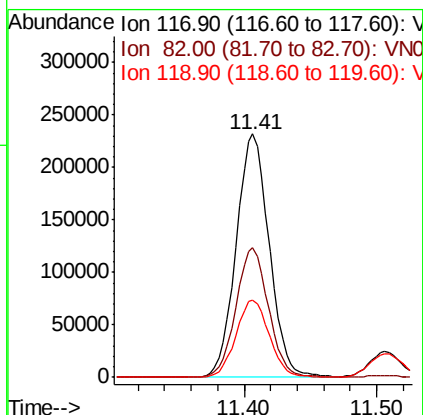
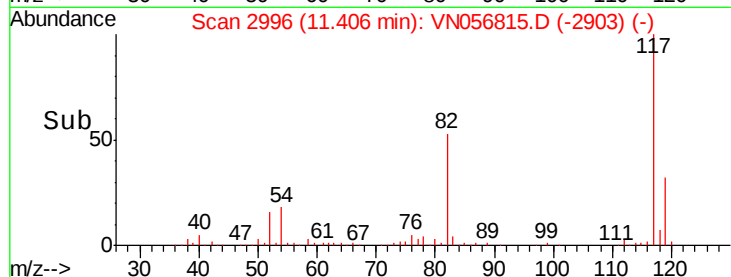
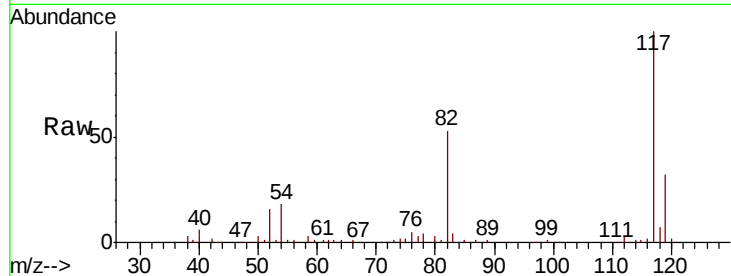




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN056815.D
Acq: 18 Jul 2019 16:27

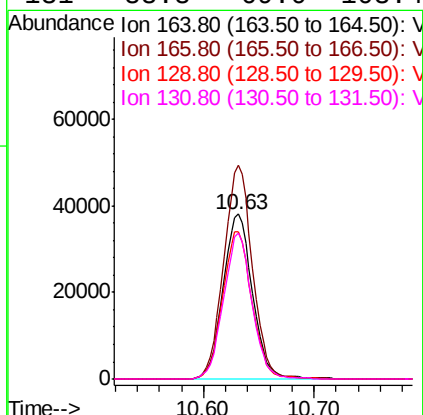
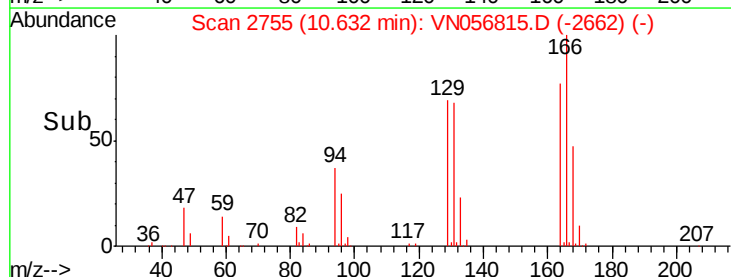
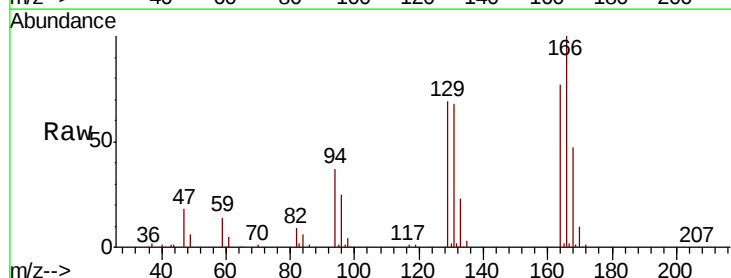
Instrument :
MSVOA_N
ClientSampleId :
VN0718WBS02

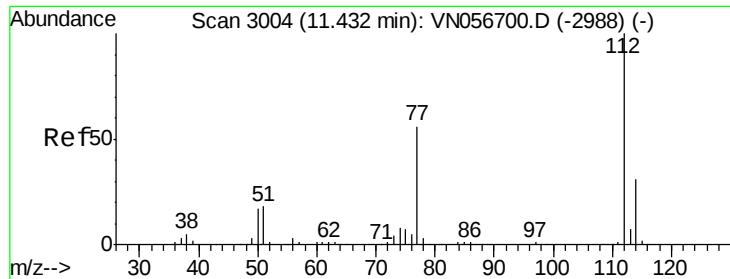
Tot Ion:117 Resp: 402325
Ion Ratio Lower Upper
117 100
82 53.1 42.2 63.2
119 31.8 25.2 37.8



#64
Tetrachloroethene
Concen: 20.229 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN056815.D
Acq: 18 Jul 2019 16:27

Tgt Ion:164 Resp: 70213
Ion Ratio Lower Upper
164 100
166 129.7 101.4 152.2
129 89.6 69.6 104.4
131 88.8 69.0 103.4





#65

Chlorobenzene

Concen: 19.739 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN056815.D

Acq: 18 Jul 2019 16:27

Instrument :

MSVOA_N

ClientSampled :

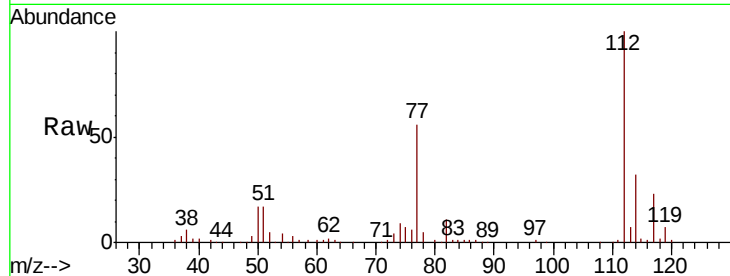
VN0718WBS02

Tot Ion:112 Resp: 162384

Ion Ratio Lower Upper

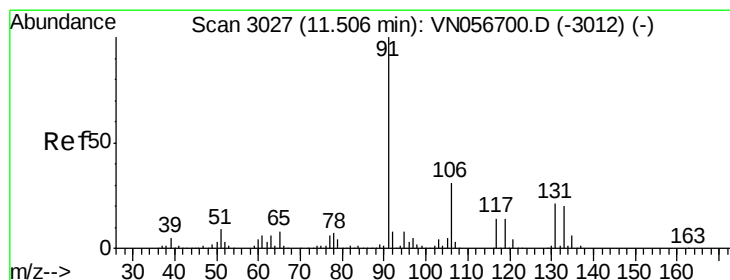
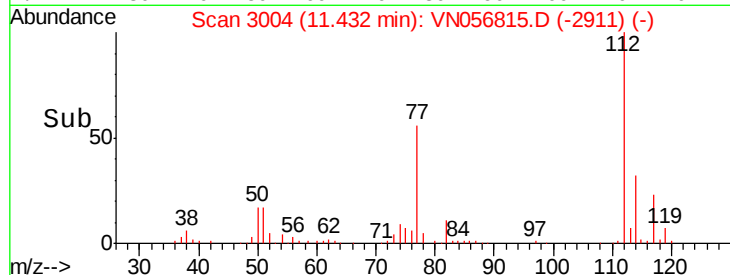
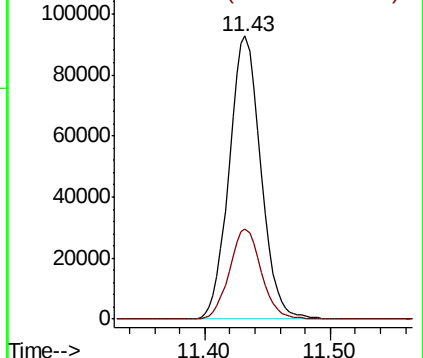
112 100

114 32.0 25.2 37.8



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 20.252 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN056815.D

Acq: 18 Jul 2019 16:27

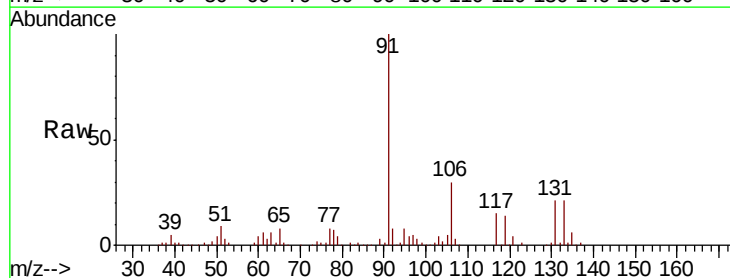
Tgt Ion:131 Resp: 61341

Ion Ratio Lower Upper

131 100

133 94.4 46.9 140.7

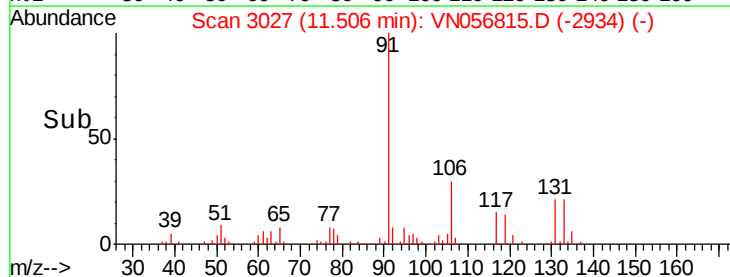
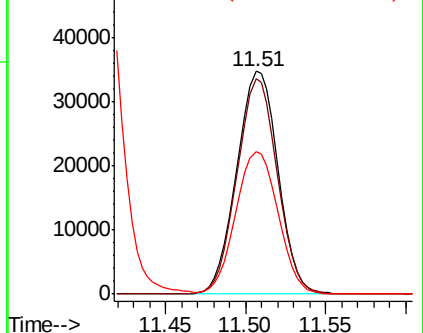
119 65.6 32.8 98.3

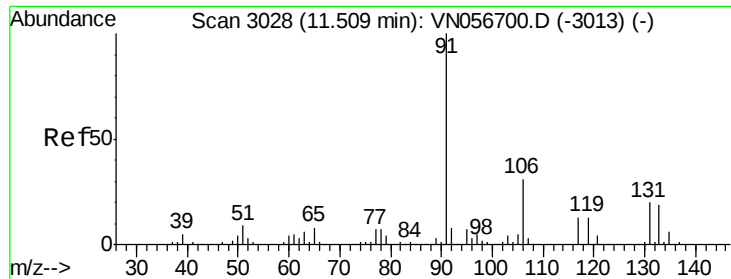


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

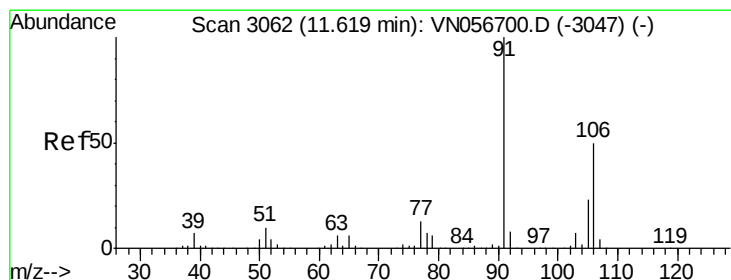
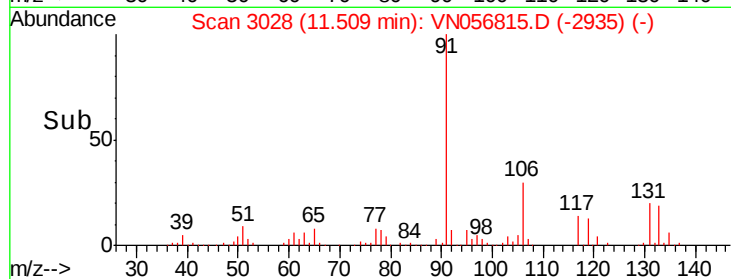
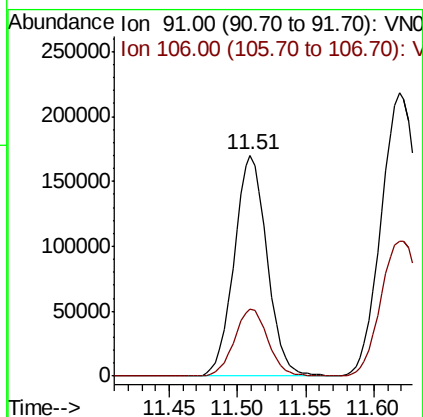
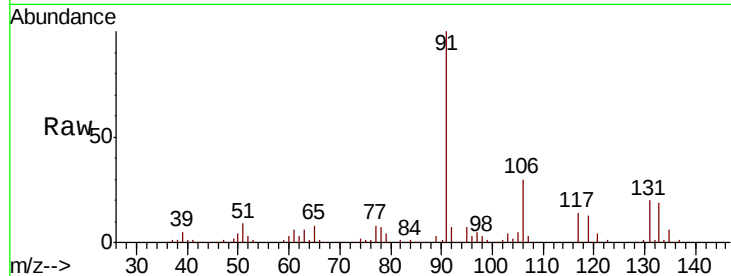




#67
Ethyl Benzene
Concen: 19.664 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN056815.D
Acq: 18 Jul 2019 16:27

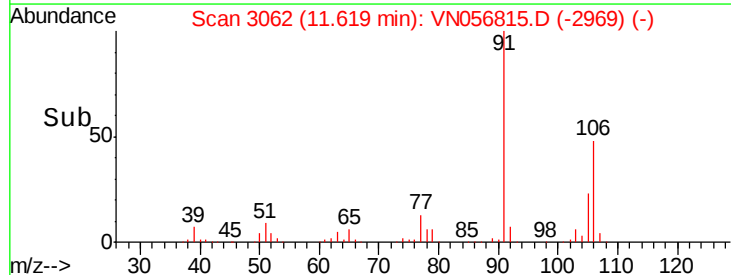
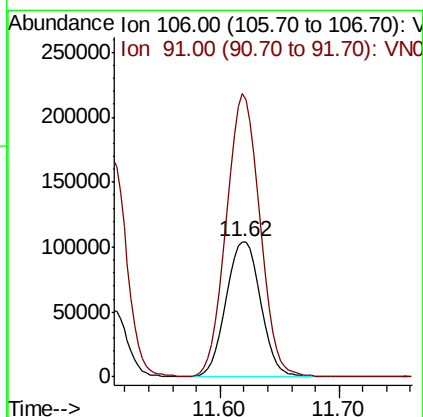
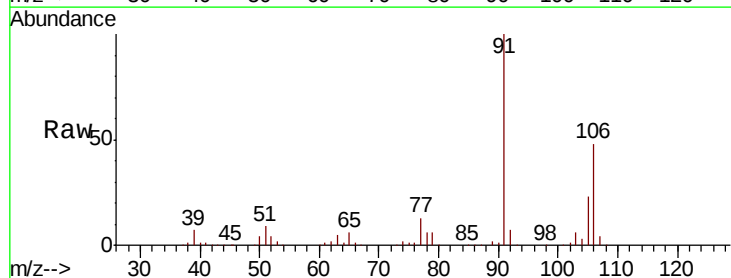
Instrument :
MSVOA_N
ClientSampled :
VN0718WBS02

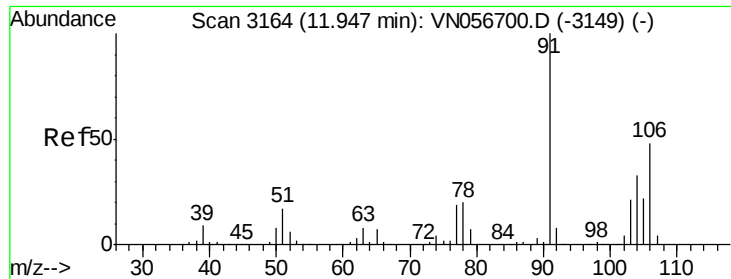
Tot Ion: 91 Resp: 284293
Ion Ratio Lower Upper
91 100
106 30.4 24.8 37.2



#68
m/p-Xylenes
Concen: 38.978 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN056815.D
Acq: 18 Jul 2019 16:27

Tgt Ion: 106 Resp: 210600
Ion Ratio Lower Upper
106 100
91 202.6 160.5 240.7

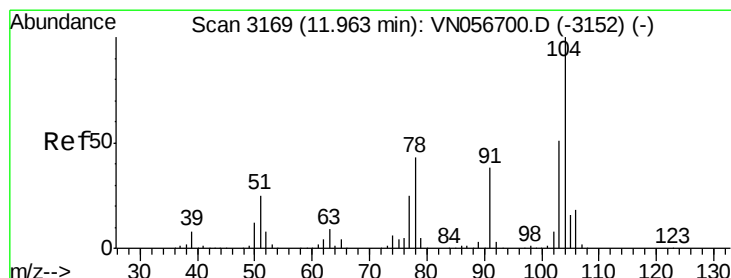
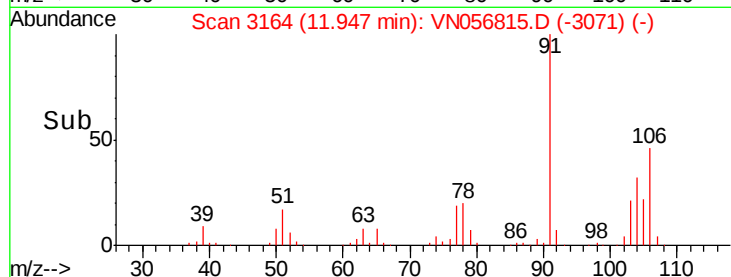
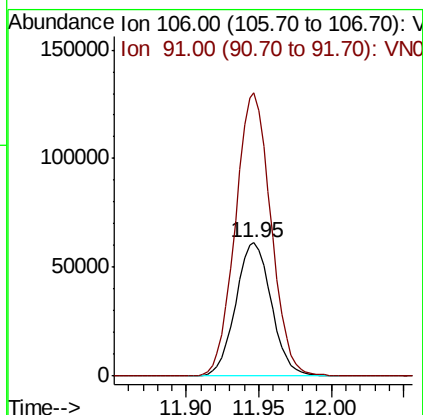
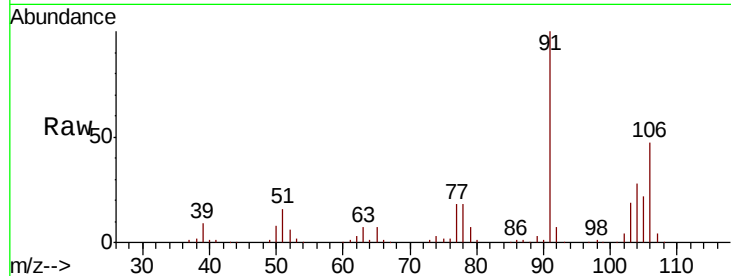




#69
o-Xylene
Concen: 19.789 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN056815.D
Acq: 18 Jul 2019 16:27

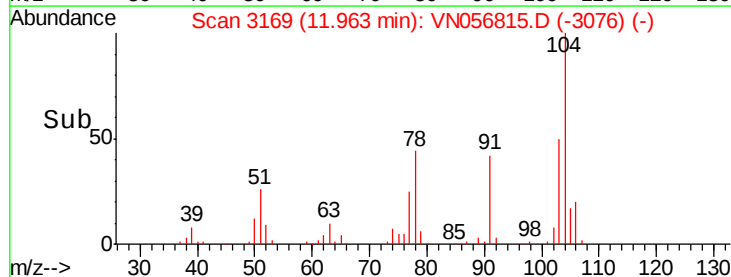
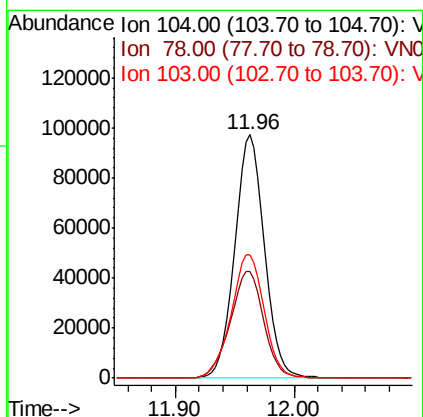
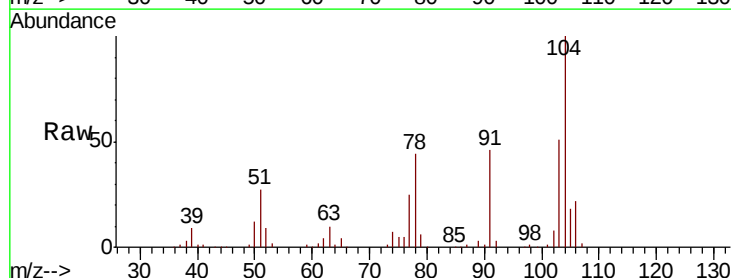
Instrument :
MSVOA_N
ClientSampled :
VN0718WBS02

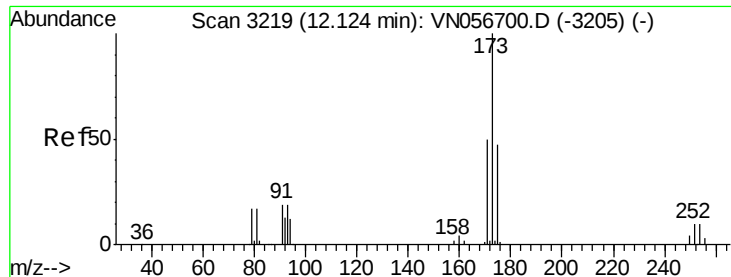
Tot Ion:106 Resp: 105119
Ion Ratio Lower Upper
106 100
91 211.5 105.6 316.8



#70
Styrene
Concen: 19.549 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN056815.D
Acq: 18 Jul 2019 16:27

Tgt Ion:104 Resp: 167879
Ion Ratio Lower Upper
104 100
78 49.4 38.6 57.8
103 56.4 44.2 66.4





#71

Bromoform

Concen: 19.652 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN056815.D

Acq: 18 Jul 2019 16:27

Instrument :

MSVOA_N

ClientSampleId :

VN0718WBS02

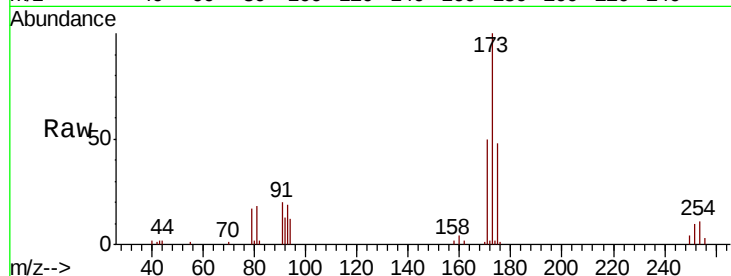
Tot Ion:173 Resp: 45290

Ion Ratio Lower Upper

173 100

175 48.5 23.8 71.4

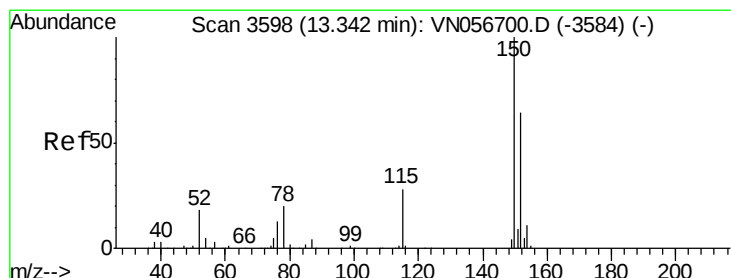
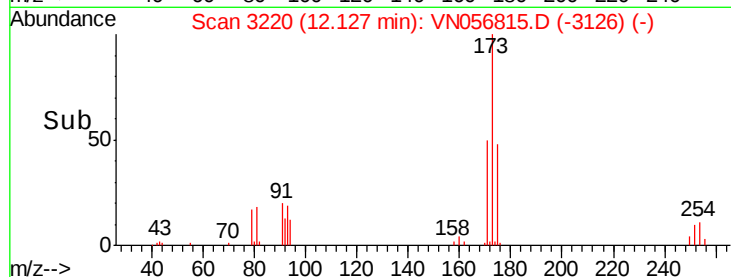
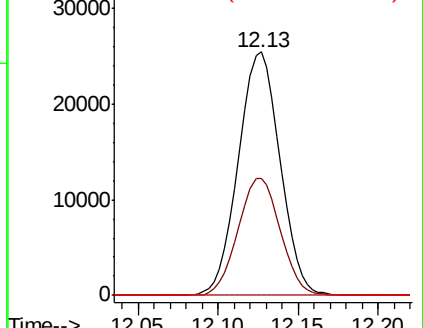
254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN056815.D

Acq: 18 Jul 2019 16:27

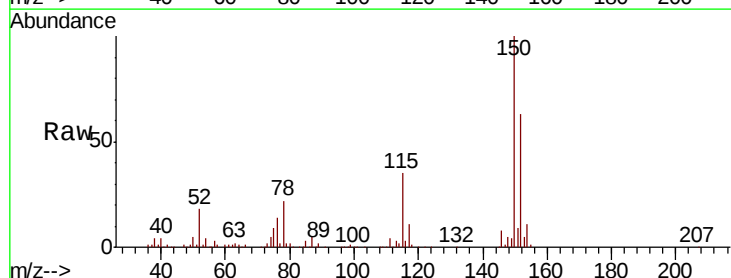
Tgt Ion:152 Resp: 163597

Ion Ratio Lower Upper

152 100

115 55.4 28.2 84.7

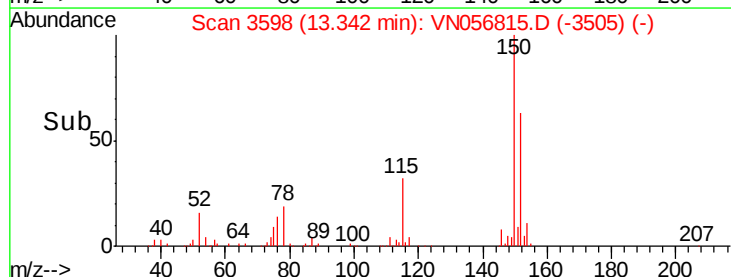
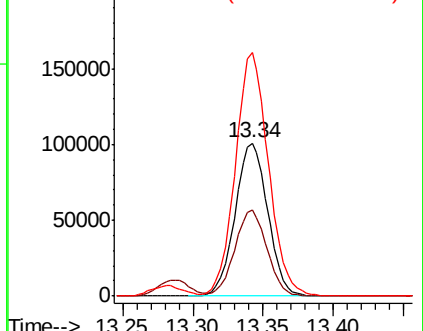
150 161.7 0.0 345.8

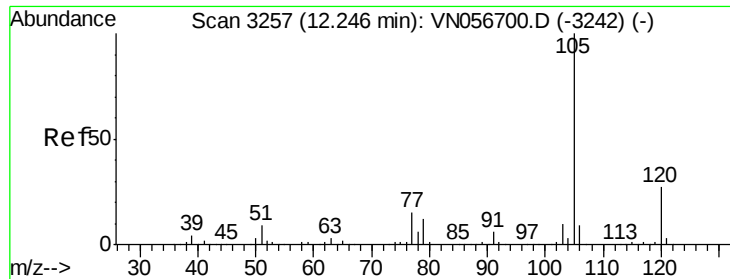


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.870 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN056815.D

Acq: 18 Jul 2019 16:27

Instrument :

MSVOA_N

ClientSampleId :

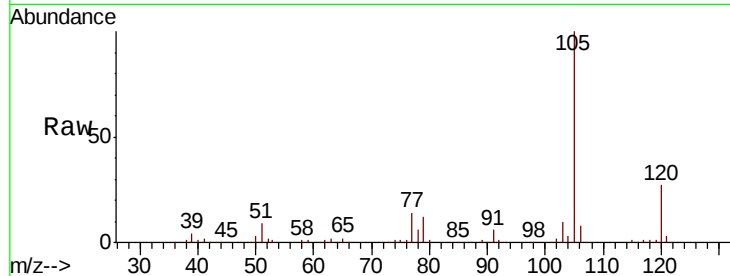
VN0718WBS02

Tot Ion:105 Resp: 275292

Ion Ratio Lower Upper

105 100

120 27.1 13.4 40.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

200000

150000

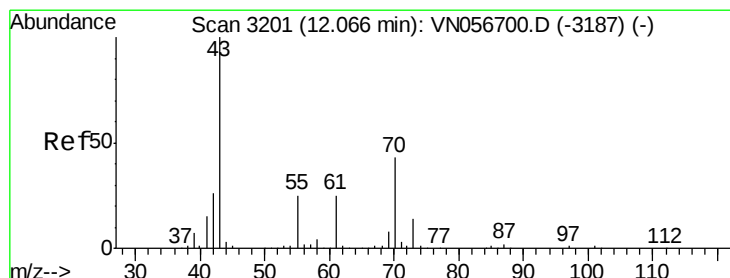
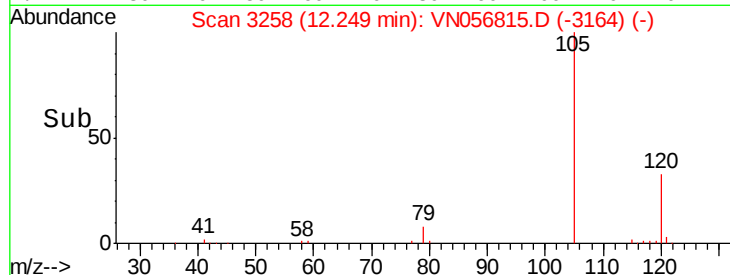
100000

50000

0

12.20 12.25 12.30

Time-->



#74

N-ethyl acetate

Concen: 19.839 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN056815.D

Acq: 18 Jul 2019 16:27

Tgt Ion: 43 Resp: 97462

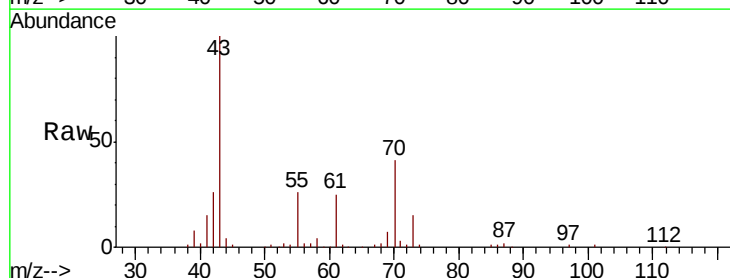
Ion Ratio Lower Upper

43 100

70 43.3 34.5 51.7

55 26.6 20.2 30.2

61 23.8 19.9 29.9



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

80000

60000

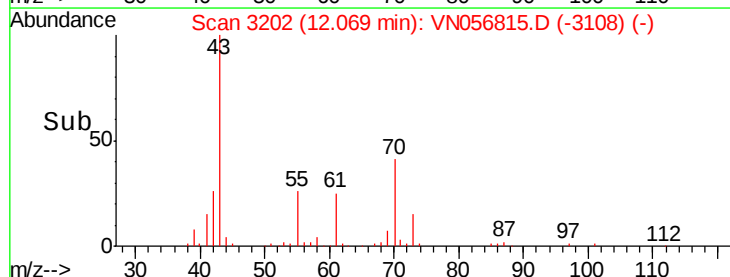
40000

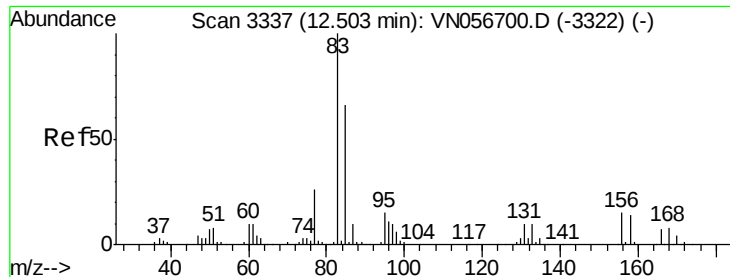
20000

0

12.00 12.05 12.10 12.15

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 22.907 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN056815.D

Acq: 18 Jul 2019 16:27

Instrument :

MSVOA_N

ClientSampleId :

VN0718WBS02

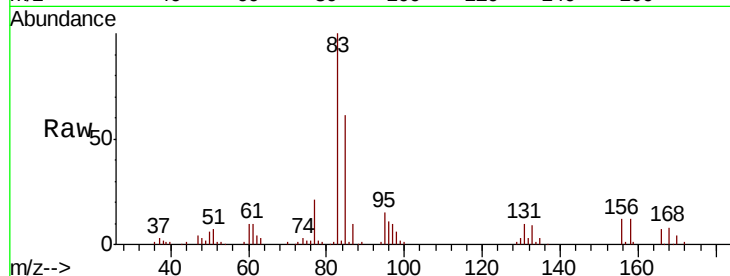
Tot Ion: 83 Resp: 91522

Ion Ratio Lower Upper

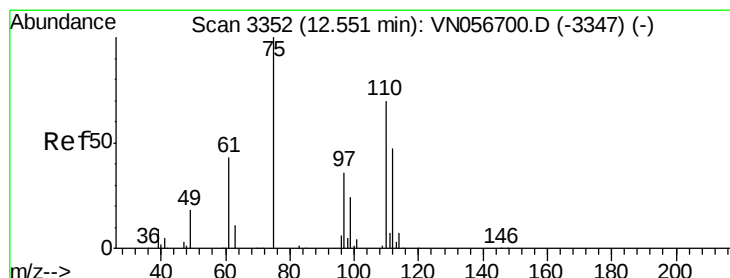
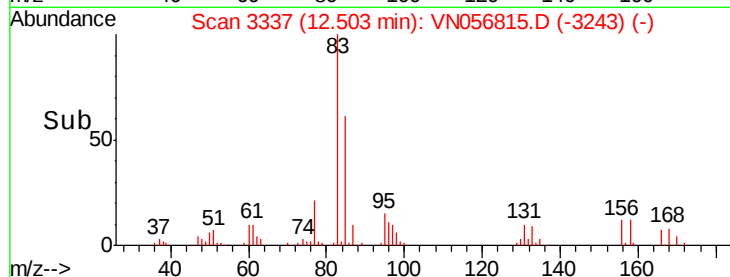
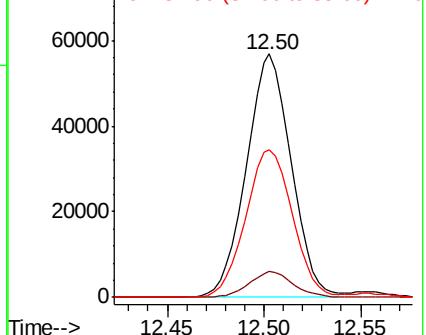
83 100

131 10.2 5.3 15.8

85 63.4 32.6 97.8



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 130.80 (130.50 to 131.50): V
Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 30.114 ug/l

RT: 12.55 min Scan# 3352

Delta R.T. -0.00 min

Lab File: VN056815.D

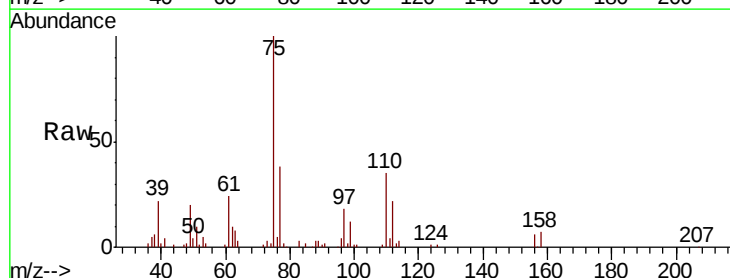
Acq: 18 Jul 2019 16:27

Tgt Ion: 75 Resp: 107750

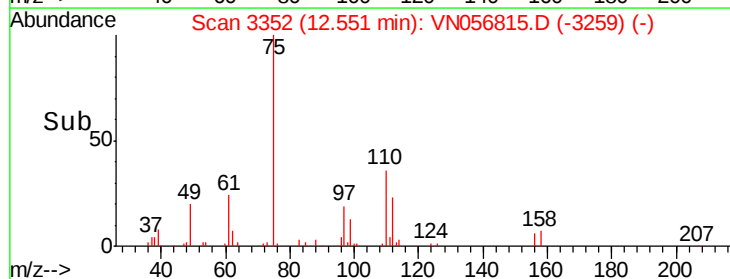
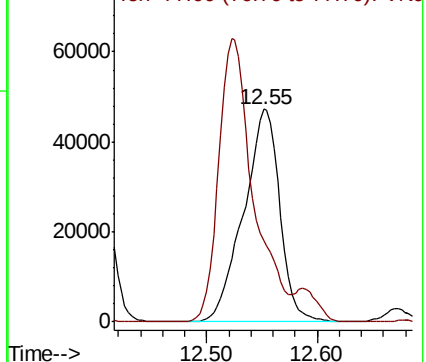
Ion Ratio Lower Upper

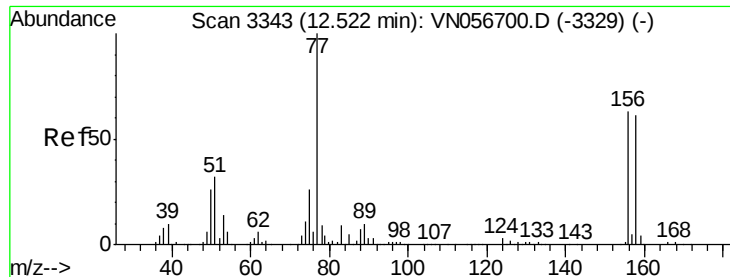
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0
Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 20.928 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. -0.00 min

Lab File: VN056815.D

Acq: 18 Jul 2019 16:27

Instrument :

MSVOA_N

ClientSampleId :

VN0718WBS02

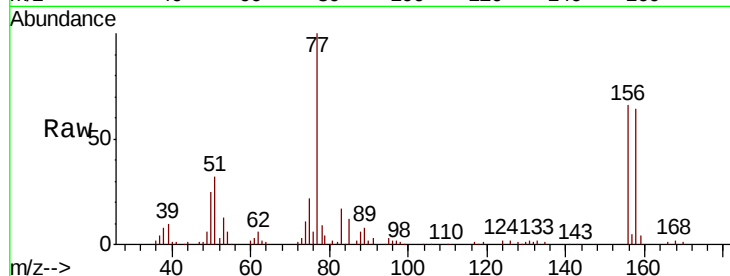
Tot Ion:156 Resp: 72208

Ion Ratio Lower Upper

156 100

77 190.4 97.2 291.6

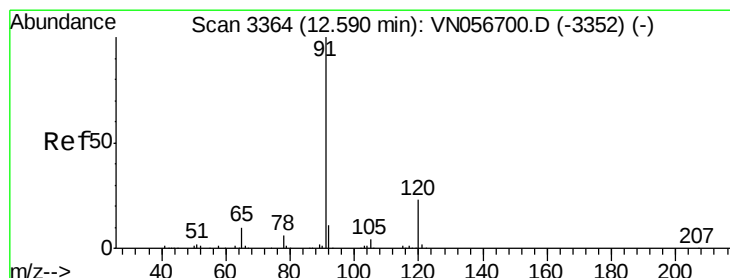
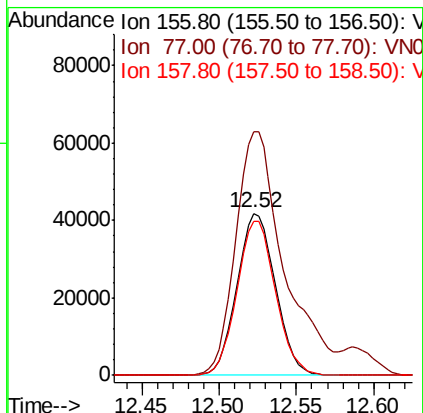
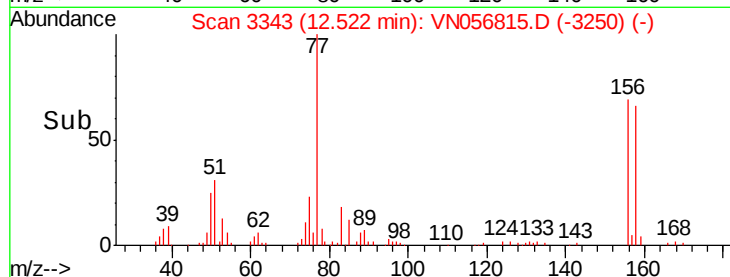
158 95.6 48.9 146.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.071 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN056815.D

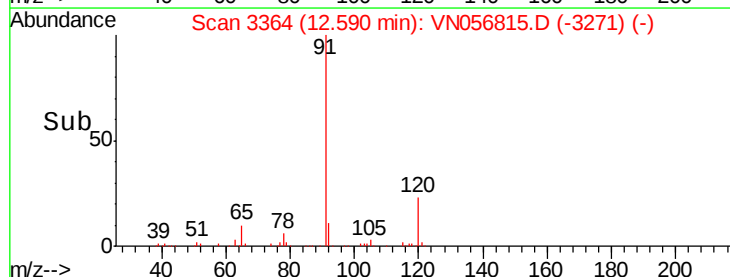
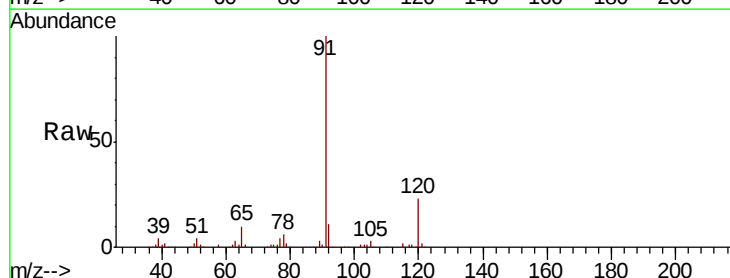
Acq: 18 Jul 2019 16:27

Tgt Ion: 91 Resp: 293925

Ion Ratio Lower Upper

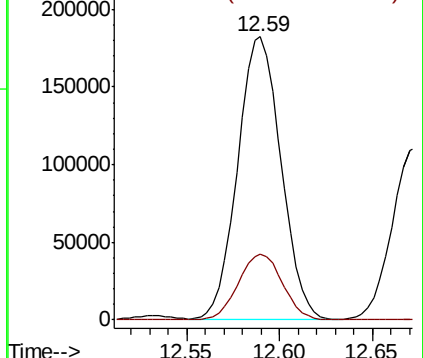
91 100

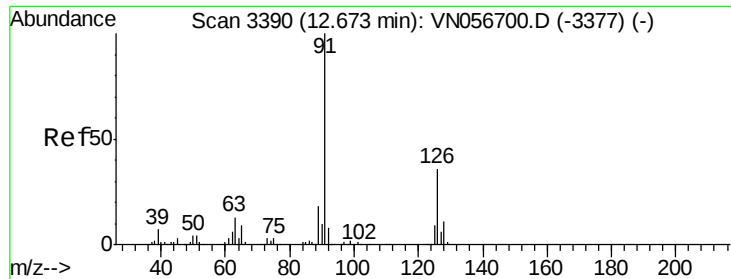
120 23.7 11.8 35.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.878 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN056815.D

Acq: 18 Jul 2019 16:27

Instrument :

MSVOA_N

ClientSampleId :

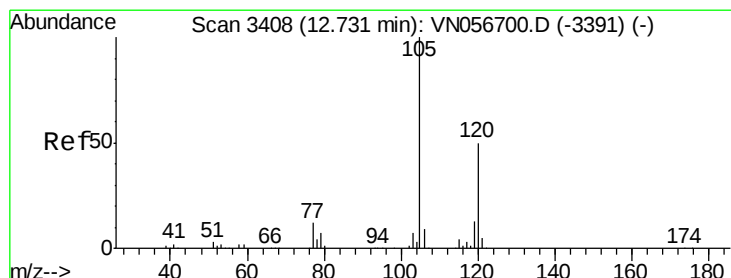
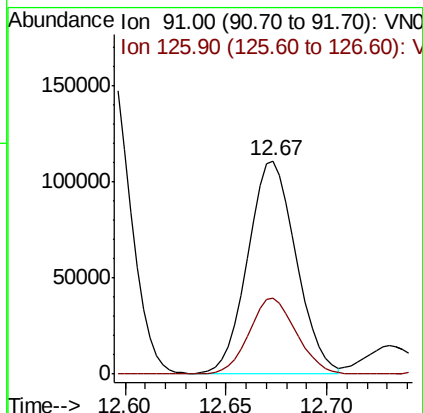
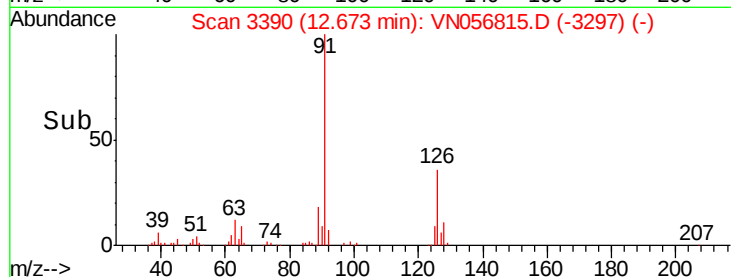
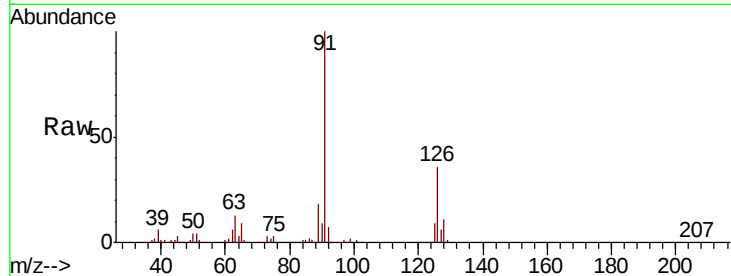
VN0718WBS02

Tot Ion: 91 Resp: 184512

Ion Ratio Lower Upper

91 100

126 35.4 17.9 53.7



#80

1,3,5-Trimethylbenzene

Concen: 20.666 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN056815.D

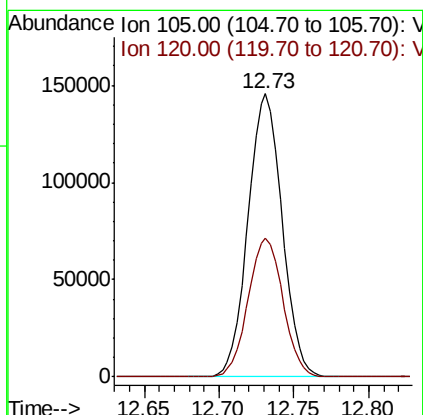
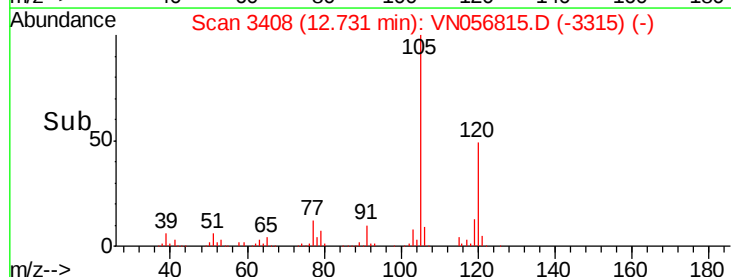
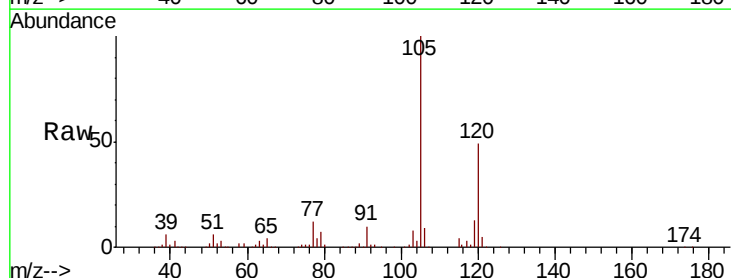
Acq: 18 Jul 2019 16:27

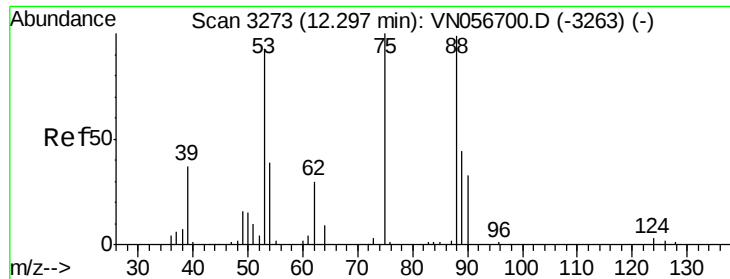
Tgt Ion:105 Resp: 231038

Ion Ratio Lower Upper

105 100

120 50.2 24.8 74.3





#81

trans-1,4-Dichloro-2-butene

Concen: 19.815 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN056815.D

Acq: 18 Jul 2019 16:27

Instrument :

MSVOA_N

ClientSampleId :

VN0718WBS02

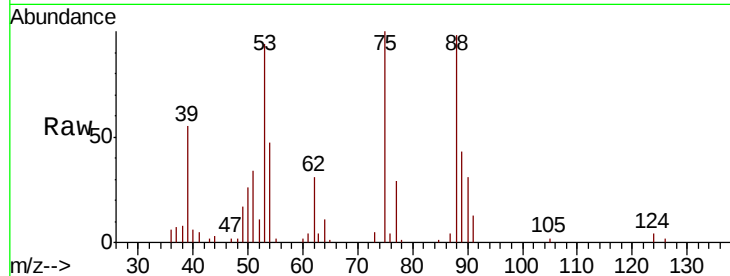
Tot Ion: 75 Resp: 22957

Ion Ratio Lower Upper

75 100

53 97.1 73.7 110.5

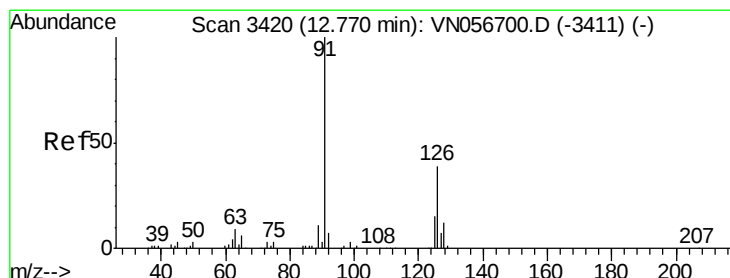
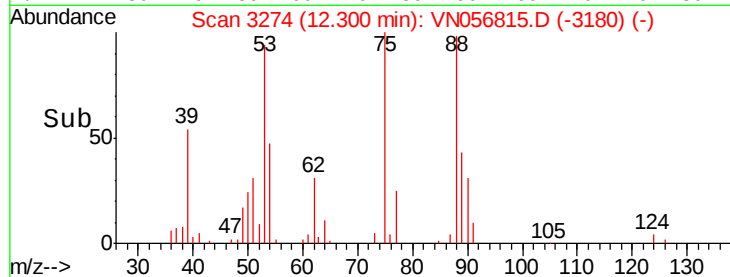
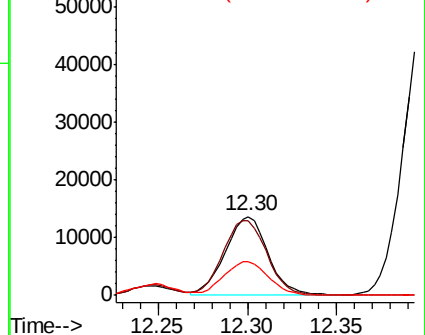
89 44.3 36.2 54.2



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 20.129 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN056815.D

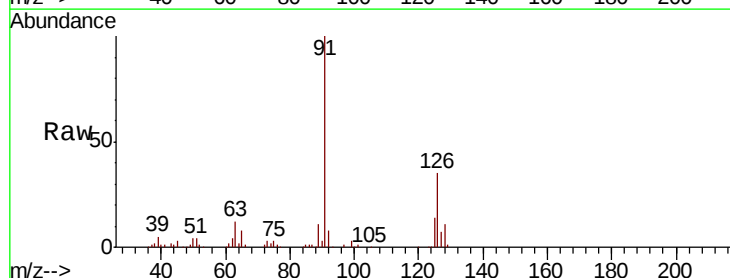
Acq: 18 Jul 2019 16:27

Tgt Ion: 91 Resp: 172987

Ion Ratio Lower Upper

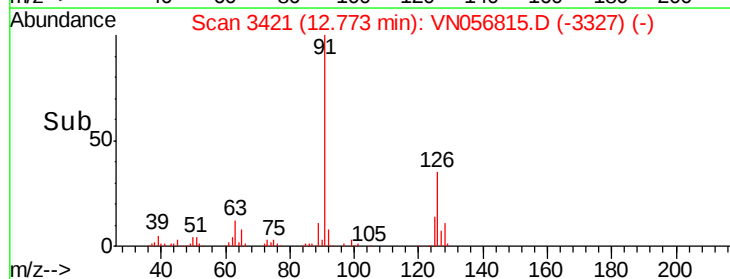
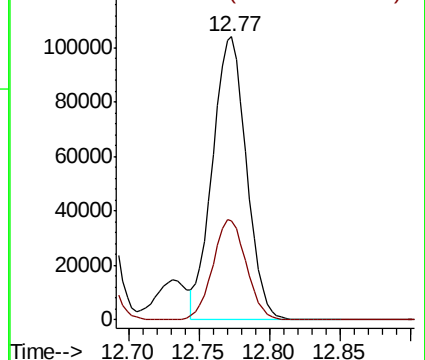
91 100

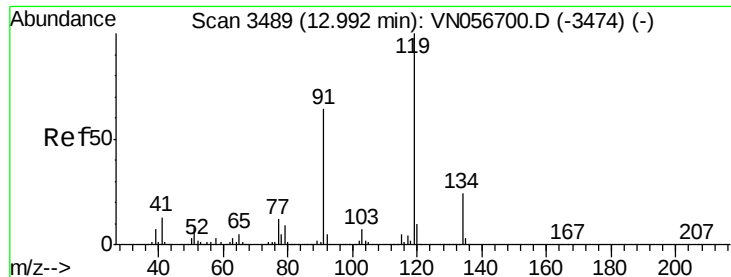
126 35.0 17.6 52.8



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

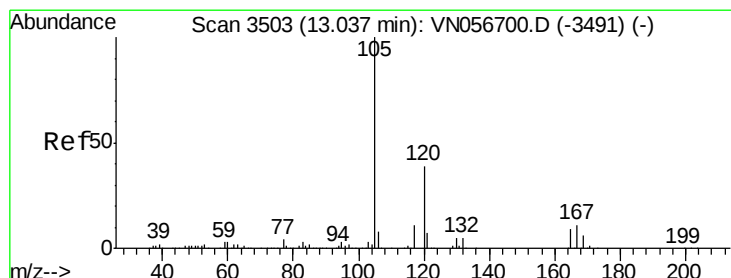
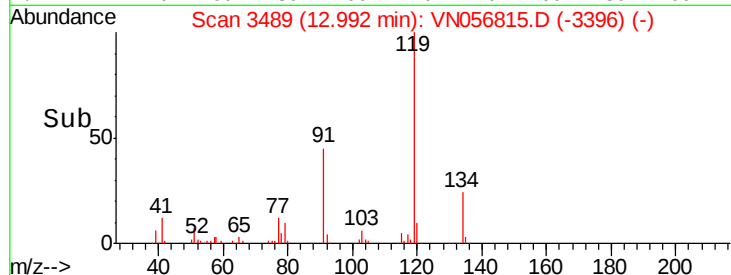
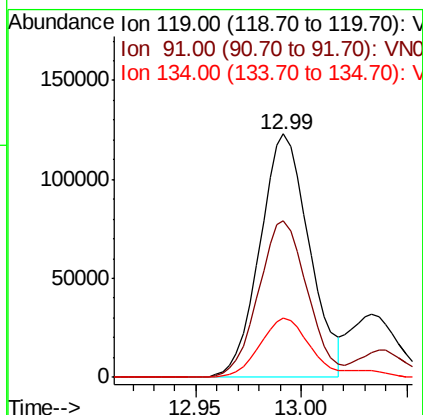
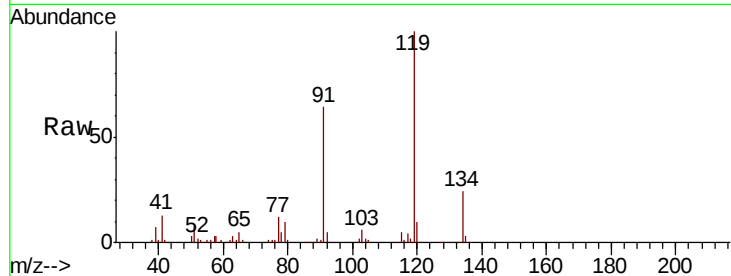




#83
tert-Butylbenzene
Concen: 22.196 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN056815.D
Acq: 18 Jul 2019 16:27

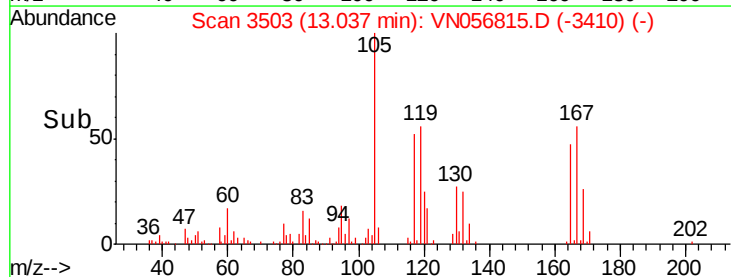
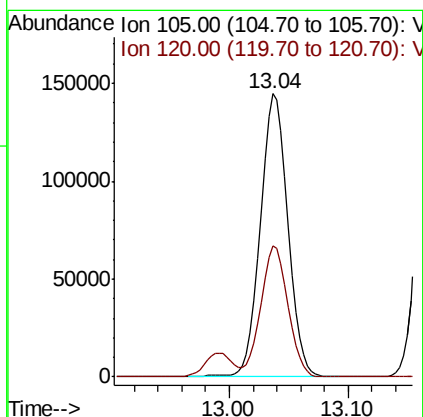
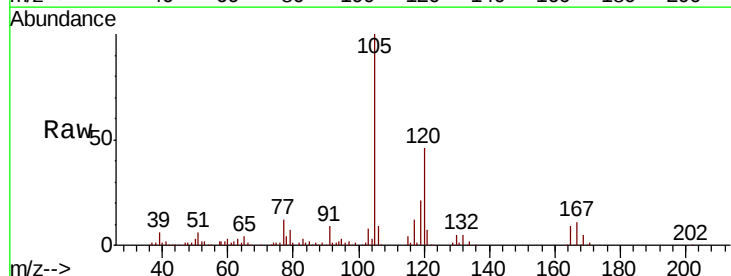
Instrument :
MSVOA_N
ClientSampleId :
VN0718WBS02

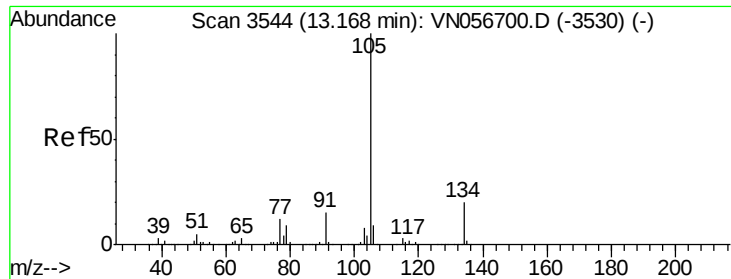
Tot Ion:119 Resp: 200440
Ion Ratio Lower Upper
119 100
91 64.2 31.8 95.4
134 24.7 13.0 38.9



#84
1,2,4-Trimethylbenzene
Concen: 21.198 ug/l
RT: 13.04 min Scan# 3503
Delta R.T. -0.00 min
Lab File: VN056815.D
Acq: 18 Jul 2019 16:27

Tgt Ion:105 Resp: 231521
Ion Ratio Lower Upper
105 100
120 45.4 22.9 68.8





#85

sec-Butylbenzene

Concen: 20.635 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. -0.00 min

Lab File: VN056815.D

Acq: 18 Jul 2019 16:27

Instrument :

MSVOA_N

ClientSampled :

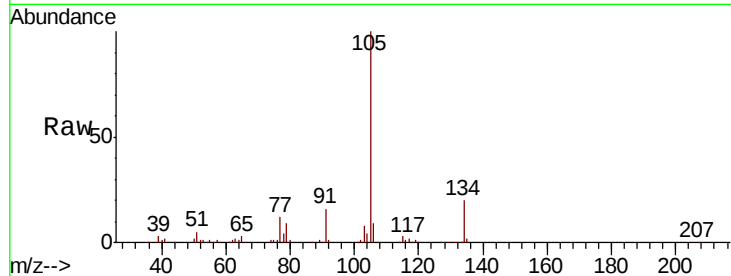
VN0718WBS02

Tot Ion:105 Resp: 256347

Ion Ratio Lower Upper

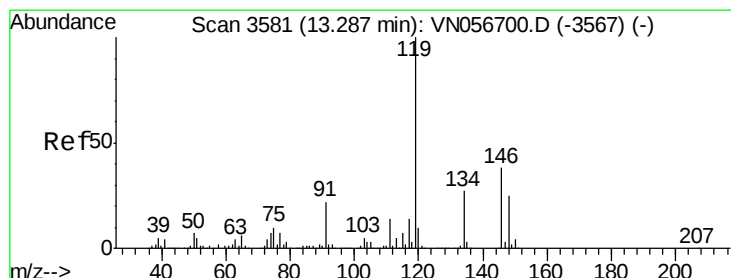
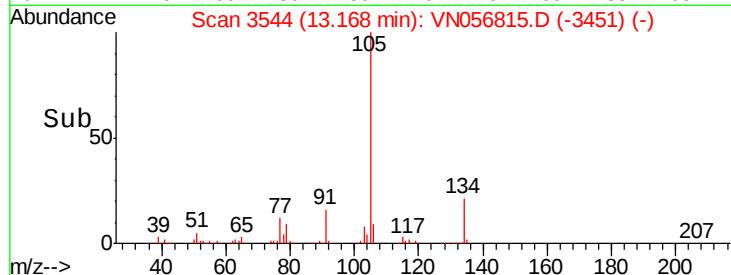
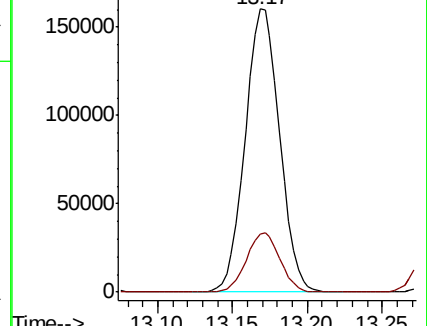
105 100

134 20.6 10.1 30.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 20.369 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN056815.D

Acq: 18 Jul 2019 16:27

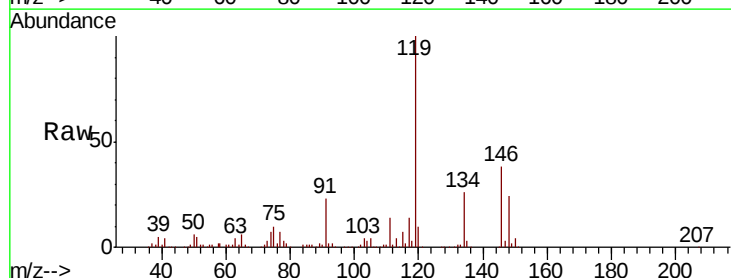
Tgt Ion:119 Resp: 229230

Ion Ratio Lower Upper

119 100

134 26.7 13.6 40.7

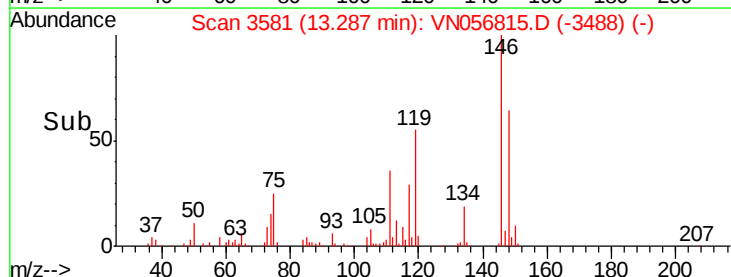
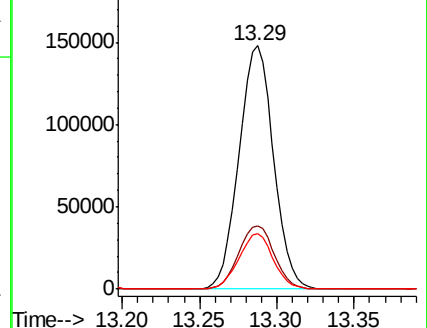
91 22.7 11.2 33.5

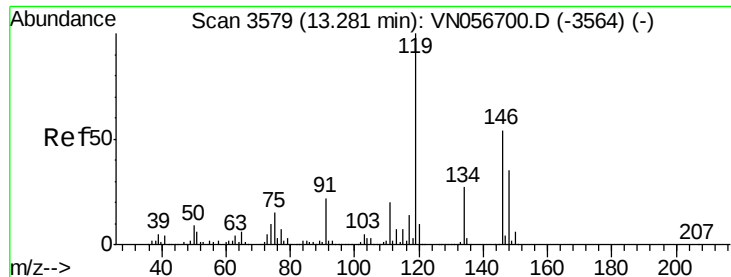


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 19.655 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. -0.00 min

Lab File: VN056815.D

Acq: 18 Jul 2019 16:27

Instrument :

MSVOA_N

ClientSampleId :

VN0718WBS02

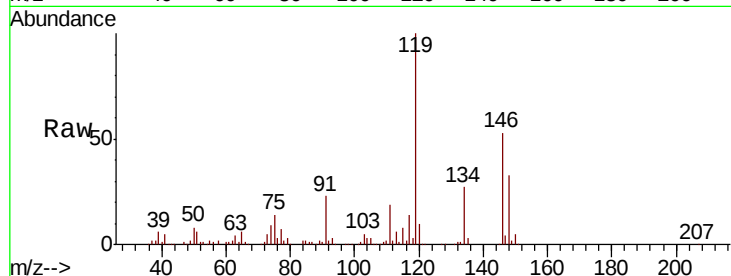
Tot Ion:146 Resp: 111134

Ion Ratio Lower Upper

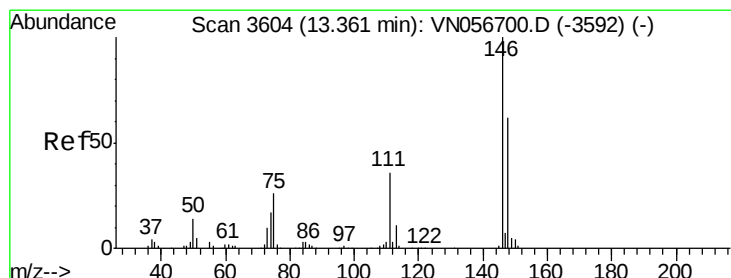
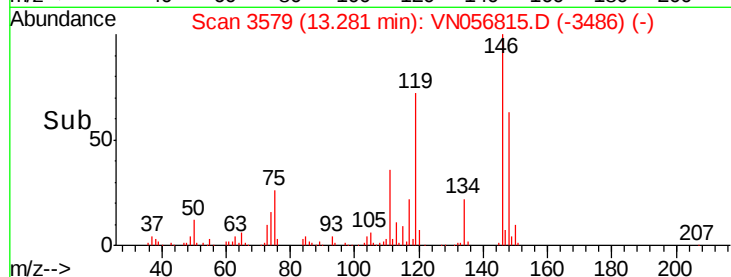
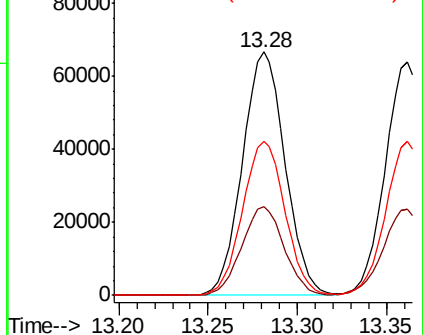
146 100

111 36.3 18.8 56.3

148 63.1 32.3 96.8



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 19.269 ug/l

RT: 13.36 min Scan# 3604

Delta R.T. -0.00 min

Lab File: VN056815.D

Acq: 18 Jul 2019 16:27

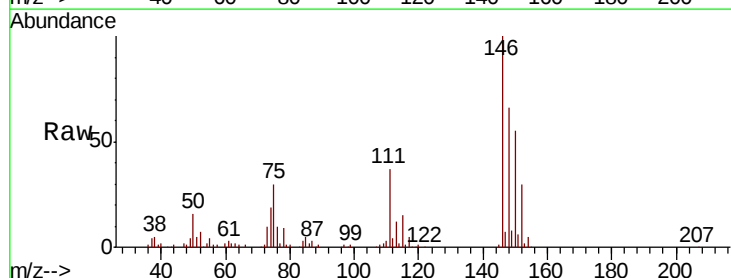
Tgt Ion:146 Resp: 105981

Ion Ratio Lower Upper

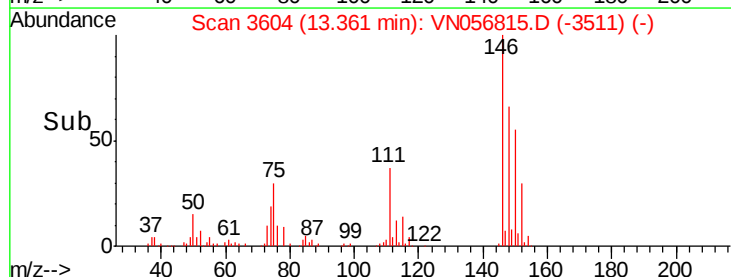
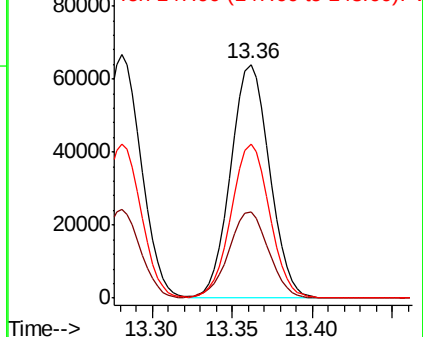
146 100

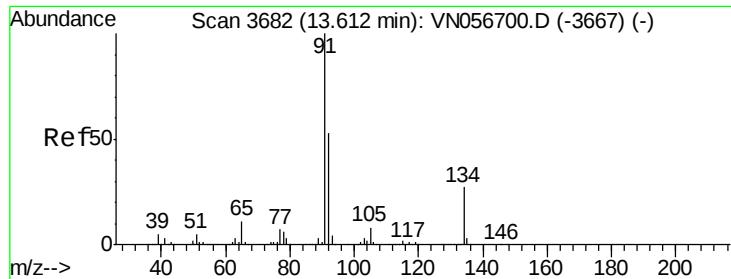
111 38.0 18.6 55.8

148 65.3 31.9 95.7



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V

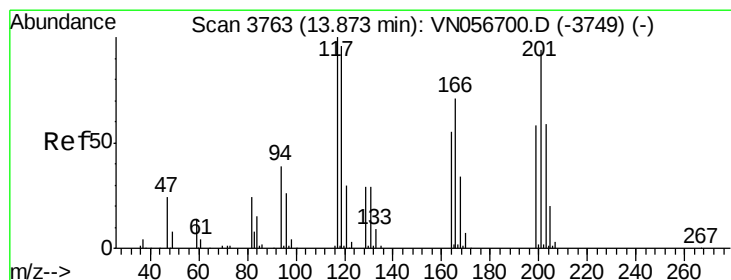
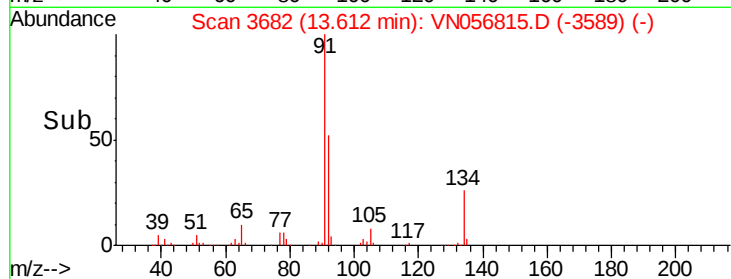
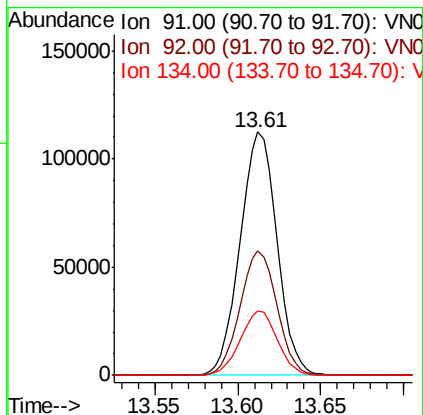
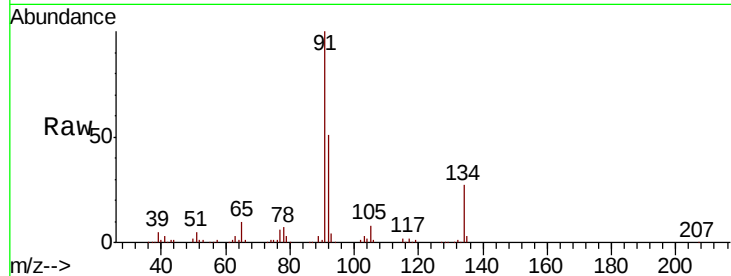




#89
n-Butylbenzene
Concen: 19.229 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN056815.D
Acq: 18 Jul 2019 16:27

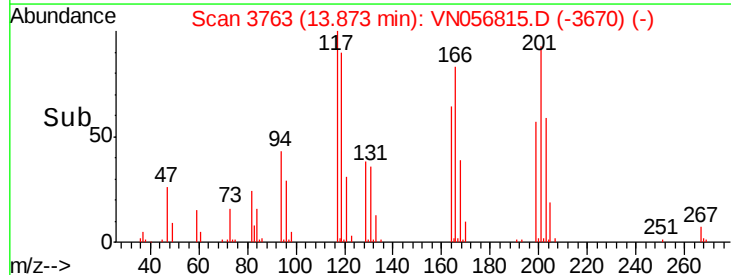
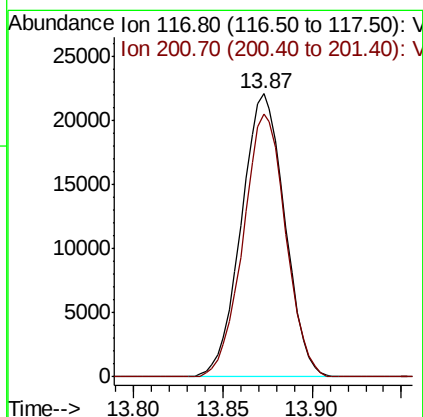
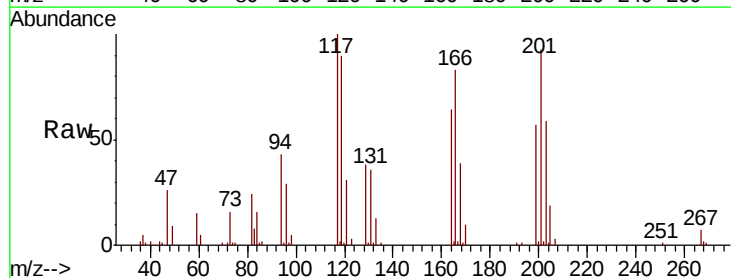
Instrument :
MSVOA_N
ClientSampled :
VN0718WBS02

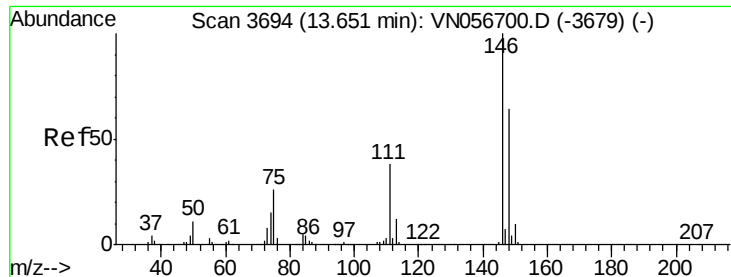
Tot Ion: 91 Resp: 174313
Ion Ratio Lower Upper
91 100
92 51.1 26.0 78.0
134 26.7 13.4 40.2



#90
Hexachloroethane
Concen: 20.633 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN056815.D
Acq: 18 Jul 2019 16:27

Tgt Ion: 117 Resp: 37549
Ion Ratio Lower Upper
117 100
201 91.0 46.5 139.5





#91

1,2-Dichlorobenzene

Concen: 19.720 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. -0.00 min

Lab File: VN056815.D

Acq: 18 Jul 2019 16:27

Instrument :

MSVOA_N

ClientSampleId :

VN0718WBS02

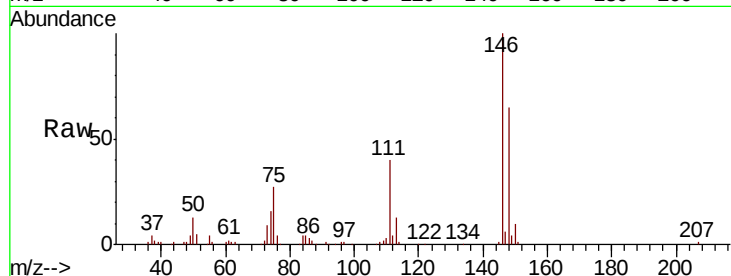
Tot Ion:146 Resp: 114043

Ion Ratio Lower Upper

146 100

111 39.8 19.1 57.1

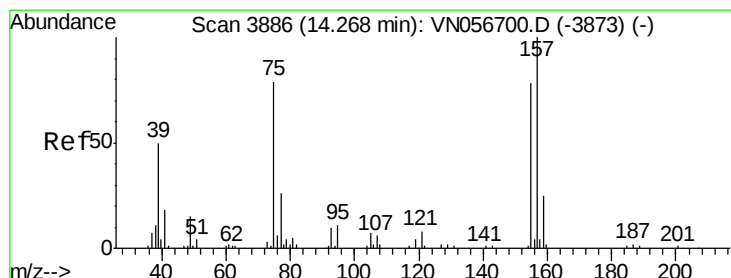
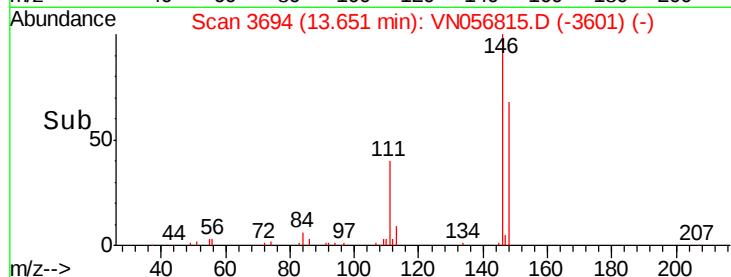
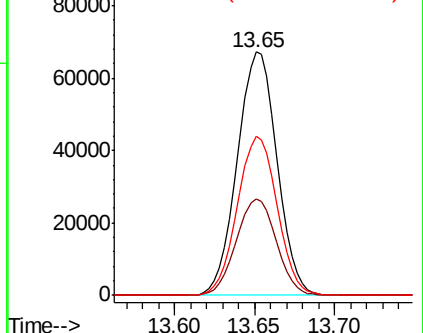
148 65.6 31.7 95.1



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 19.581 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. -0.00 min

Lab File: VN056815.D

Acq: 18 Jul 2019 16:27

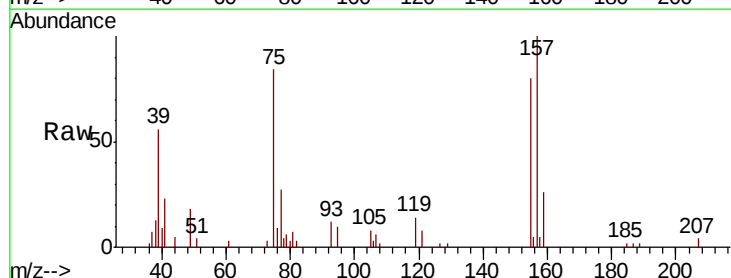
Tgt Ion: 75 Resp: 13850

Ion Ratio Lower Upper

75 100

155 97.6 49.3 147.9

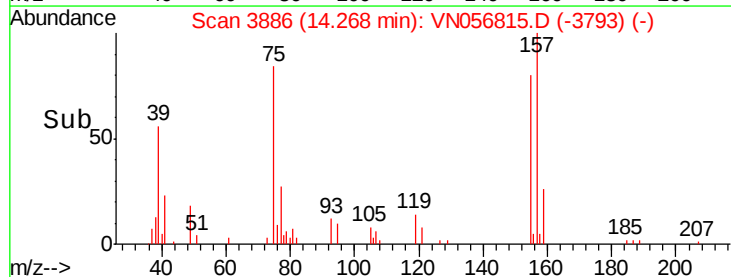
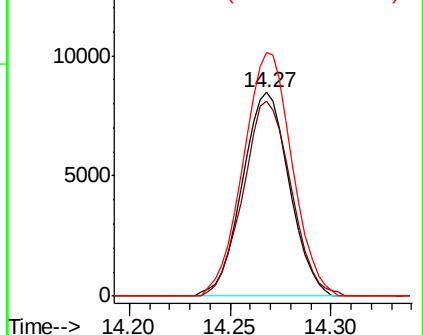
157 124.1 62.4 187.1

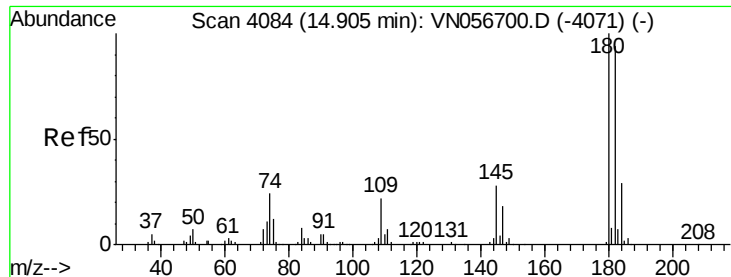


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

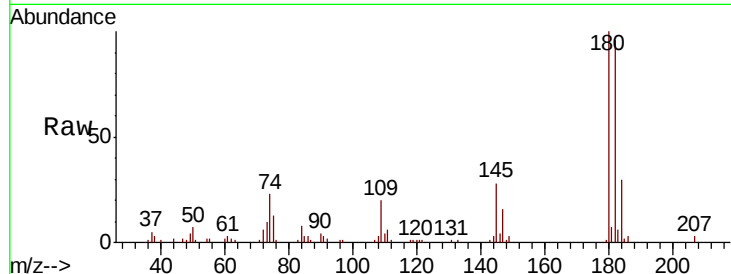




#93
 1,2,4-Trichlorobenzene
 Concen: 17.498 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN056815.D
 Acq: 18 Jul 2019 16:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0718WBS02

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.7	47.2	141.6
145	27.9	14.2	42.8

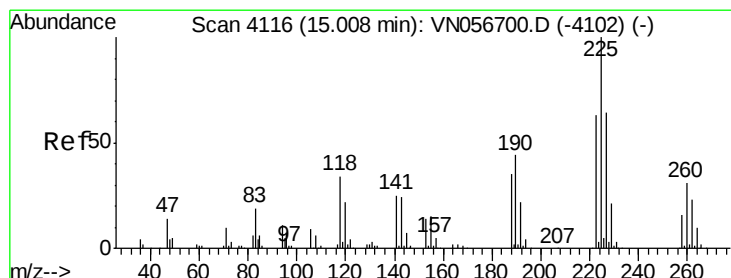
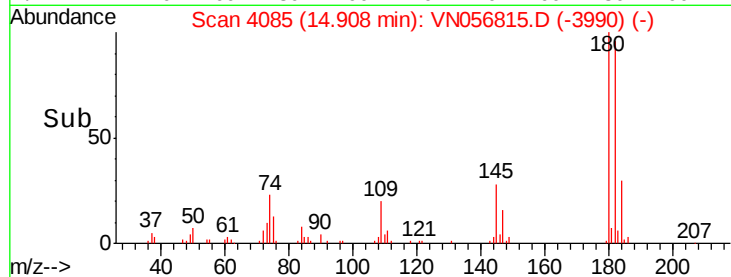
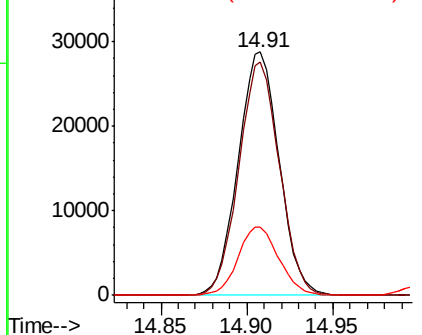


Abundance

Ion 179.80 (179.50 to 180.50): V

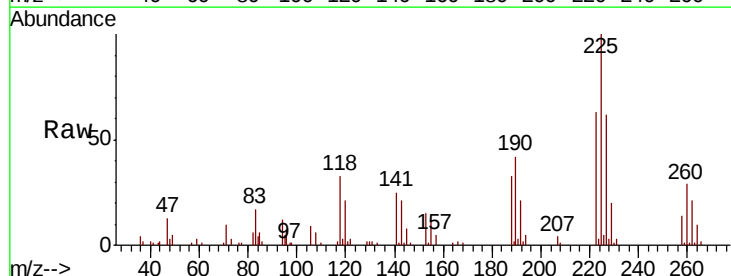
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 21.644 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN056815.D
 Acq: 18 Jul 2019 16:27

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.1	31.5	94.5
227	62.6	32.0	96.2

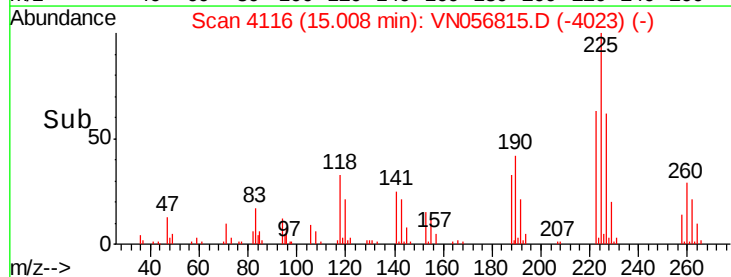
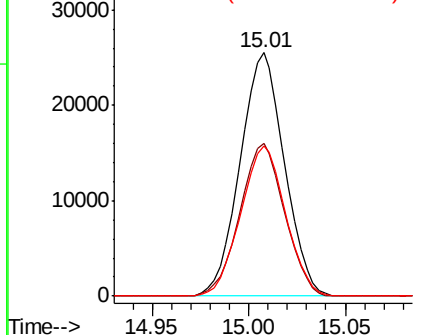


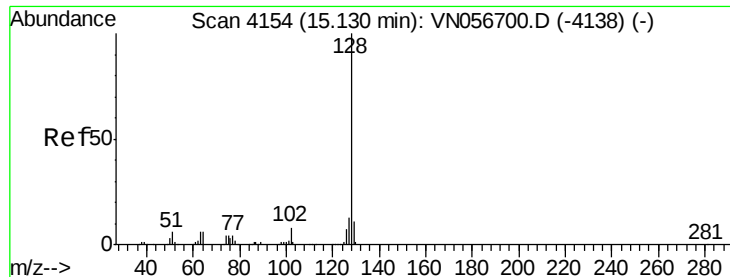
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 16.277 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN056815.D

Acq: 18 Jul 2019 16:27

Instrument :

MSVOA_N

ClientSampleId :

VN0718WBS02

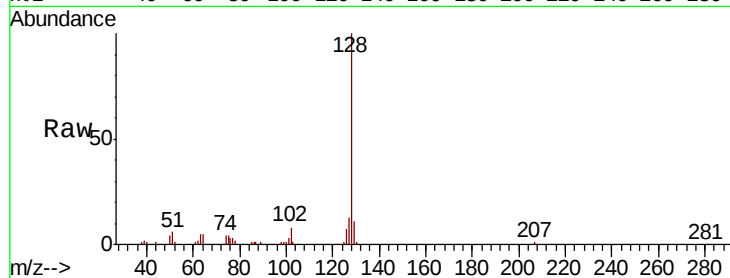
Tot Ion:128 Resp: 113257

Ion Ratio Lower Upper

128 100

127 13.1 10.3 15.5

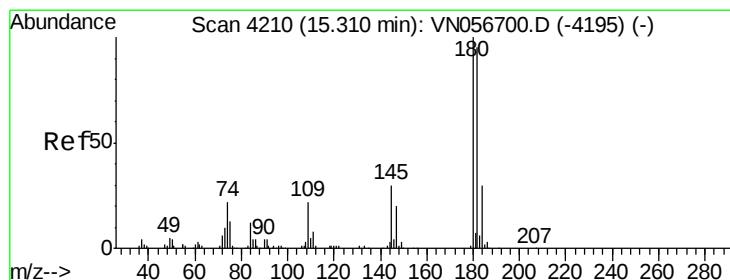
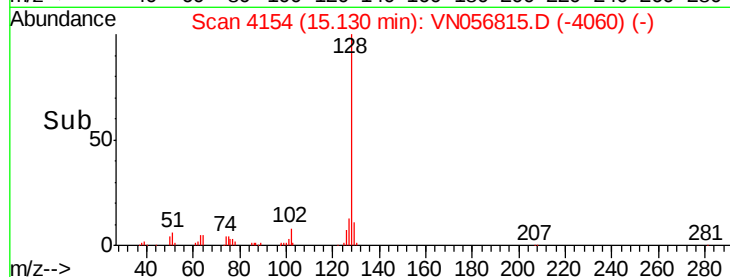
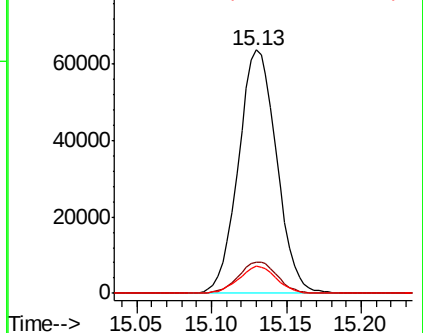
129 10.8 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 18.516 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN056815.D

Acq: 18 Jul 2019 16:27

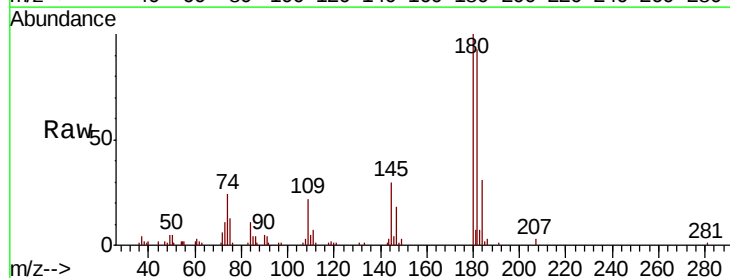
Tgt Ion:180 Resp: 51622

Ion Ratio Lower Upper

180 100

182 92.0 47.1 141.3

145 29.4 15.0 45.1



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

