

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071919\
 Data File : VN056832.D
 Acq On : 19 Jul 2019 15:17
 Operator : JC/SP
 Sample : VN0719WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0719WBSD01

Quant Time: Jul 19 23:15:18 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	293147	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	458213	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	403705	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	167737	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	163219	50.34	ug/l	0.00
Spiked Amount			Recovery	=	100.68%	
35) Dibromofluoromethane	7.59	113	143722	50.40	ug/l	0.00
Spiked Amount			Recovery	=	100.80%	
50) Toluene-d8	10.09	98	548778	49.83	ug/l	0.00
Spiked Amount			Recovery	=	99.66%	
62) 4-Bromofluorobenzene	12.40	95	177778	47.87	ug/l	0.00
Spiked Amount			Recovery	=	95.74%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	52736	19.158	ug/l	99
3) Chloromethane	2.06	50	69922	18.894	ug/l	98
4) Vinyl Chloride	2.18	62	69200	19.418	ug/l	98
5) Bromomethane	2.54	94	34438	16.432	ug/l	100
6) Chloroethane	2.69	64	39666	19.100	ug/l	98
7) Trichlorofluoromethane	3.01	101	89687	19.613	ug/l	99
8) Diethyl Ether	3.41	74	36691	20.580	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.75	101	54636	19.887	ug/l	98
10) Methyl Iodide	3.95	142	54168	14.741	ug/l	99
11) Tert butyl alcohol	4.79	59	50674	93.887	ug/l	99
12) 1,1-Dichloroethene	3.73	96	55012	19.963	ug/l	97
13) Acrolein	3.60	56	16689	97.337	ug/l	97
14) Allyl chloride	4.32	41	92416	19.392	ug/l	100
15) Acrylonitrile	4.99	53	159492	102.326	ug/l	100
16) Acetone	3.82	43	124011	82.991	ug/l	97
17) Carbon Disulfide	4.05	76	127948	17.570	ug/l	100
18) Methyl Acetate	4.33	43	76581	22.279	ug/l	99
19) Methyl tert-butyl Ether	5.04	73	181523	20.674	ug/l	96
20) Methylene Chloride	4.55	84	66114	20.246	ug/l	97
21) trans-1,2-Dichloroethene	5.04	96	58818	20.192	ug/l	98
22) Diisopropyl ether	5.95	45	196784	20.919	ug/l	96
23) Vinyl Acetate	5.90	43	795211	104.320	ug/l	100
24) 1,1-Dichloroethane	5.85	63	113806	20.867	ug/l	99
25) 2-Butanone	6.84	43	205856	94.229	ug/l	100
26) 2,2-Dichloropropane	6.82	77	71958	18.298	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	70281	20.968	ug/l	99
28) Bromochloromethane	7.20	49	50023	19.508	ug/l	98
29) Tetrahydrofuran	7.21	42	142399	99.937	ug/l	98
30) Chloroform	7.37	83	111886	20.501	ug/l	98
31) Cyclohexane	7.65	56	103447	19.956	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	90476	20.962	ug/l	100
36) 1,1-Dichloropropene	7.79	75	81772	19.285	ug/l	100
37) Ethyl Acetate	6.93	43	84176	20.142	ug/l	98
38) Carbon Tetrachloride	7.77	117	76711	19.292	ug/l	100

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.08	83	99990	19.098	ug/l	99
40) Benzene	8.04	78	257875	19.849	ug/l	98
41) Methacrylonitrile	7.17	41	38628	21.043	ug/l #	100
42) 1,2-Dichloroethane	8.12	62	83534	20.344	ug/l	99
43) Isopropyl Acetate	8.17	43	135653	20.648	ug/l	99
44) Trichloroethene	8.83	130	69814	19.788	ug/l	97
45) 1,2-Dichloropropane	9.12	63	69459	20.120	ug/l	97
46) Dibromomethane	9.21	93	44086	20.607	ug/l	98
47) Bromodichloromethane	9.40	83	82318	20.249	ug/l	98
48) Methyl methacrylate	9.20	41	62629	19.712	ug/l	98
49) 1,4-Dioxane	9.20	88	21634	331.841	ug/l	95
51) 4-Methyl-2-Pentanone	9.98	43	423940	99.629	ug/l	99
52) Toluene	10.15	92	160505	20.802	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	83617	19.715	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	97664	19.843	ug/l	96
55) 1,1,2-Trichloroethane	10.56	97	65810	20.336	ug/l	99
56) Ethyl methacrylate	10.43	69	97041	20.840	ug/l	99
57) 1,3-Dichloropropane	10.71	76	107823	20.400	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	206227	92.101	ug/l	99
59) 2-Hexanone	10.75	43	296415	97.082	ug/l	100
60) Dibromochloromethane	10.90	129	63606	19.985	ug/l	97
61) 1,2-Dibromoethane	11.00	107	67446	20.971	ug/l	98
64) Tetrachloroethene	10.63	164	70640	20.282	ug/l	98
65) Chlorobenzene	11.43	112	168076	20.361	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.51	131	62874	20.687	ug/l	98
67) Ethyl Benzene	11.51	91	293499	20.232	ug/l	99
68) m/p-Xylenes	11.62	106	220329	40.639	ug/l	99
69) o-Xylene	11.95	106	109336	20.513	ug/l	100
70) Styrene	11.96	104	176884	20.527	ug/l	99
71) Bromoform	12.12	173	46279	20.012	ug/l #	100
73) Isopropylbenzene	12.25	105	284504	21.036	ug/l	100
74) N-amyl acetate	12.07	43	100091	19.871	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	93402	22.791	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	108867	29.675	ug/l #	100
77) Bromobenzene	12.53	156	76248	21.554	ug/l	94
78) n-propylbenzene	12.59	91	307959	20.510	ug/l	100
79) 2-Chlorotoluene	12.67	91	192582	22.302	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	241890	21.102	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	22946	19.316	ug/l	97
82) 4-Chlorotoluene	12.77	91	182513	20.713	ug/l	100
83) tert-Butylbenzene	12.99	119	211021	22.831	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	241828	21.595	ug/l	100
85) sec-Butylbenzene	13.17	105	269270	21.140	ug/l	99
86) p-Isopropyltoluene	13.29	119	241365	20.918	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	117219	20.219	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	112308	19.915	ug/l	99
89) n-Butylbenzene	13.61	91	181227	19.498	ug/l	98
90) Hexachloroethane	13.87	117	38214	20.480	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	121943	20.566	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	14642	20.189	ug/l	98

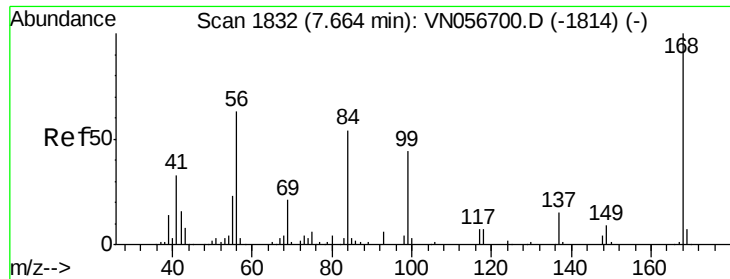
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071919\
Data File : VN056832.D
Acq On : 19 Jul 2019 15:17
Operator : JC/SP
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ClientSampleId :
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Quant Title : SW846 8260
QLast Update : Tue Jul 16 07:03:34 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	52652	18.578	ug/l	100
94) Hexachlorobutadiene	15.01	225	42508	22.098	ug/l	98
95) Naphthalene	15.13	128	139022	18.595	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	56458	19.529	ug/l	99

(#) = 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: VN056832.D

Acq: 19 Jul 2019 15:17

Instrument :

MSVOA_N

ClientSampleId :

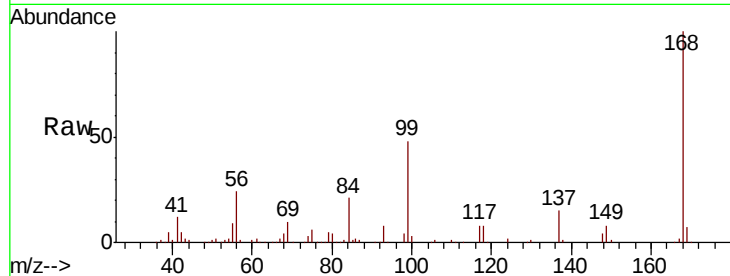
VN0719WBSD01

Tot Ion:168 Resp: 293147

Ion Ratio Lower Upper

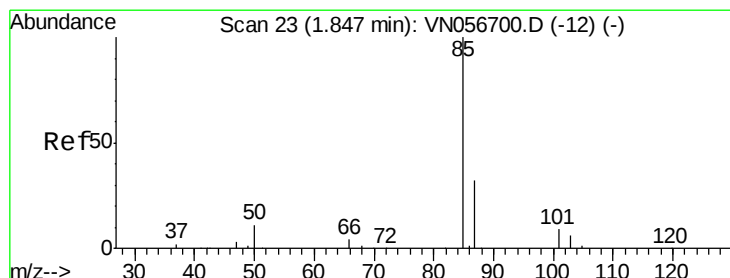
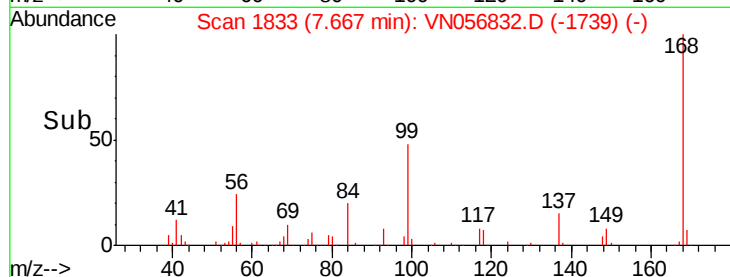
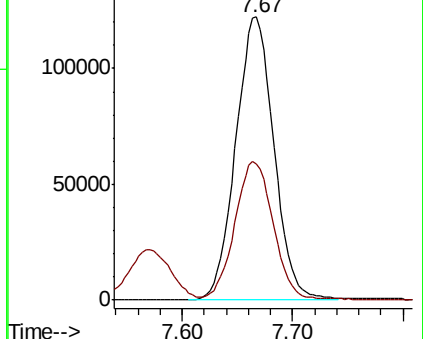
168 100

99 47.8 39.4 59.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 19.158 ug/l

RT: 1.85 min Scan# 23

Delta R.T. -0.00 min

Lab File: VN056832.D

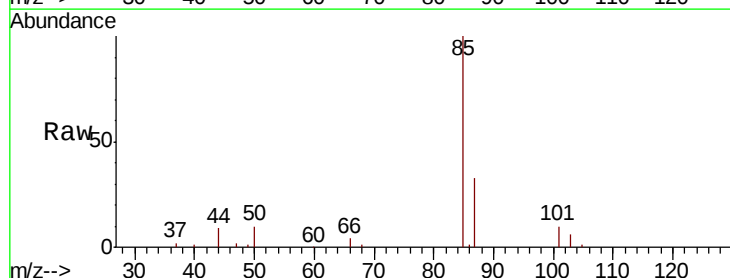
Acq: 19 Jul 2019 15:17

Tgt Ion: 85 Resp: 52736

Ion Ratio Lower Upper

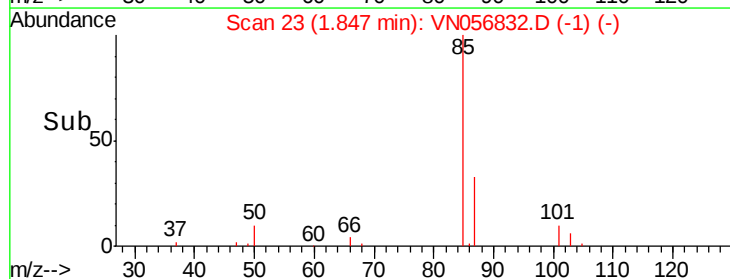
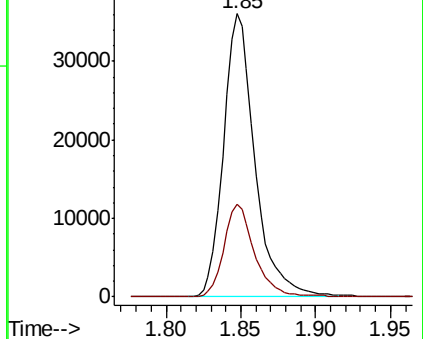
85 100

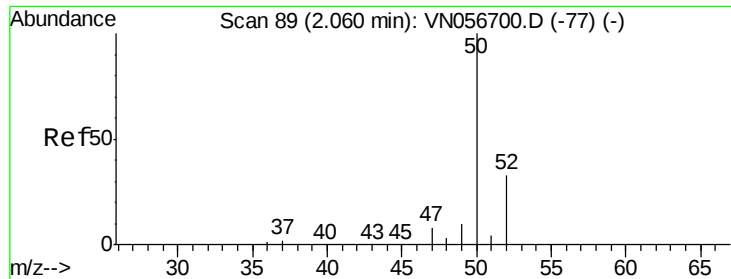
87 32.6 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

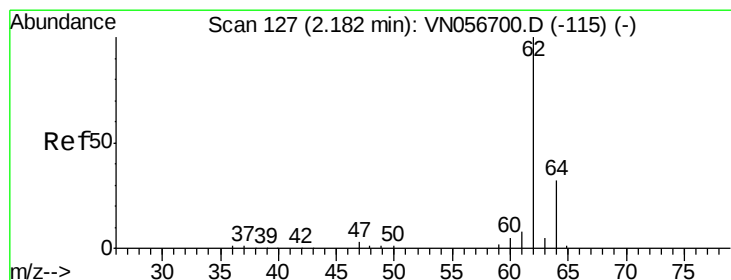
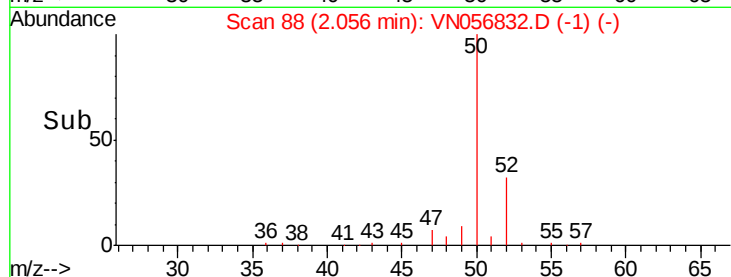
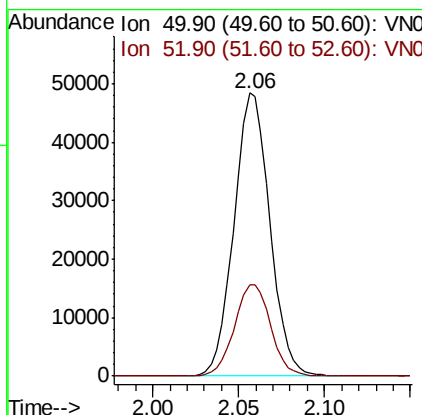
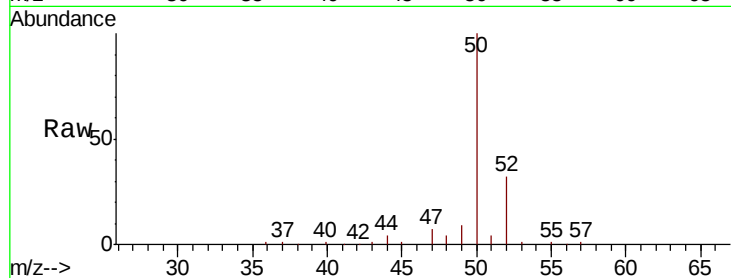




#3
Chloromethane
Concen: 18.894 ug/l
RT: 2.06 min Scan# 88
Delta R.T. -0.00 min
Lab File: VN056832.D
Acq: 19 Jul 2019 15:17

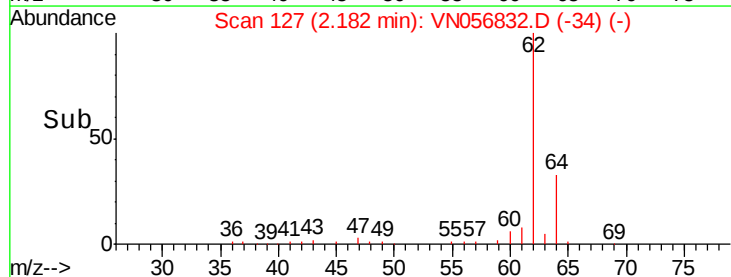
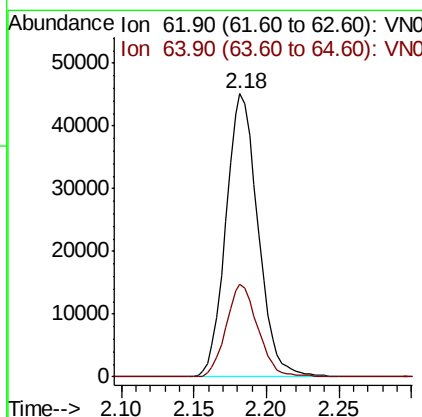
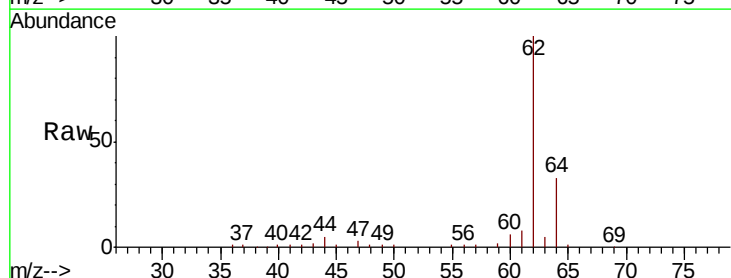
Instrument :
MSVOA_N
ClientSampleId :
VN0719WBSD01

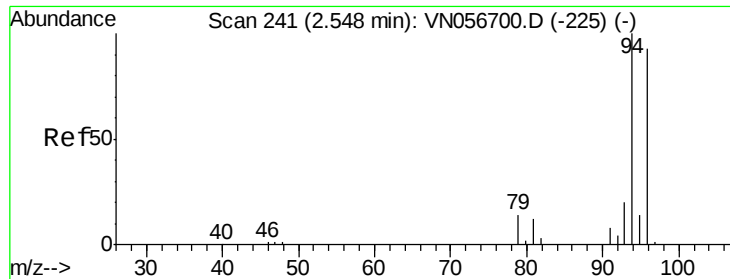
Tot Ion: 50 Resp: 69922
Ion Ratio Lower Upper
50 100
52 32.2 26.5 39.7



#4
Vinyl Chloride
Concen: 19.418 ug/l
RT: 2.18 min Scan# 127
Delta R.T. -0.00 min
Lab File: VN056832.D
Acq: 19 Jul 2019 15:17

Tgt Ion: 62 Resp: 69200
Ion Ratio Lower Upper
62 100
64 33.0 25.6 38.4





#5

Bromomethane

Concen: 16.432 ug/l

RT: 2.54 min Scan# 239

Delta R.T. -0.01 min

Lab File: VN056832.D

Acq: 19 Jul 2019 15:17

Instrument :

MSVOA_N

ClientSampleId :

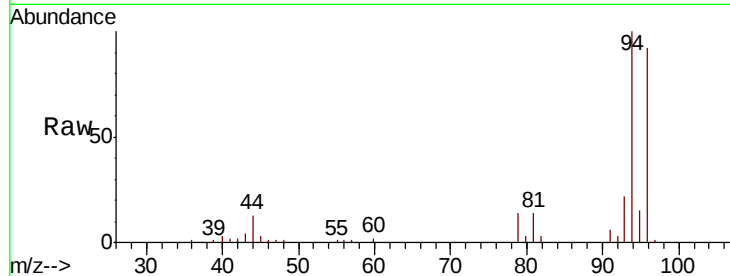
VN0719WBSD01

Tot Ion: 94 Resp: 34438

Ion Ratio Lower Upper

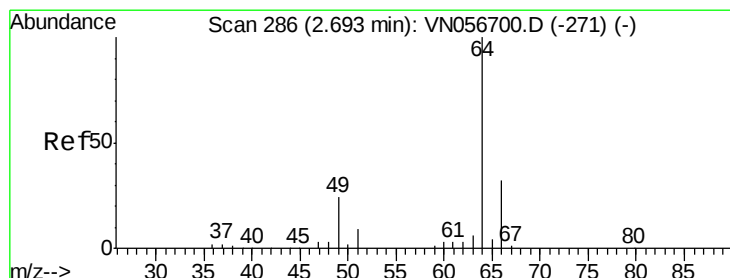
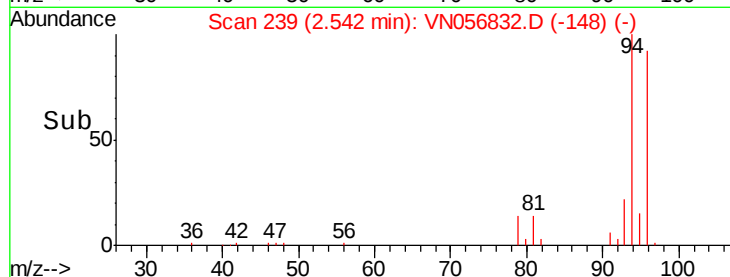
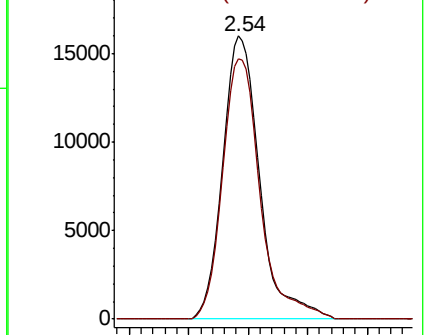
94 100

96 92.2 74.0 111.0



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 19.100 ug/l

RT: 2.69 min Scan# 285

Delta R.T. -0.00 min

Lab File: VN056832.D

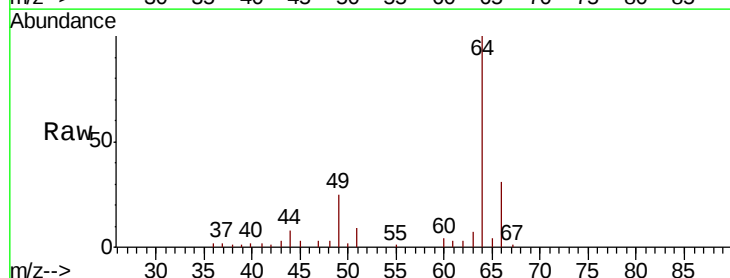
Acq: 19 Jul 2019 15:17

Tgt Ion: 64 Resp: 39666

Ion Ratio Lower Upper

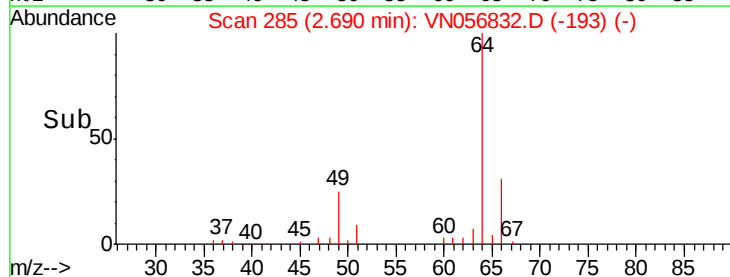
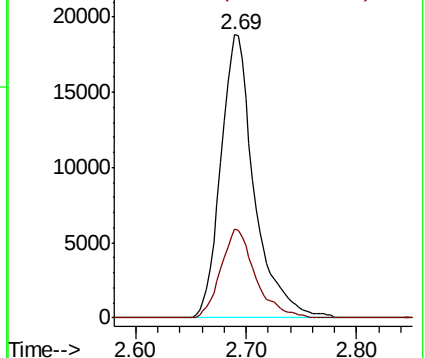
64 100

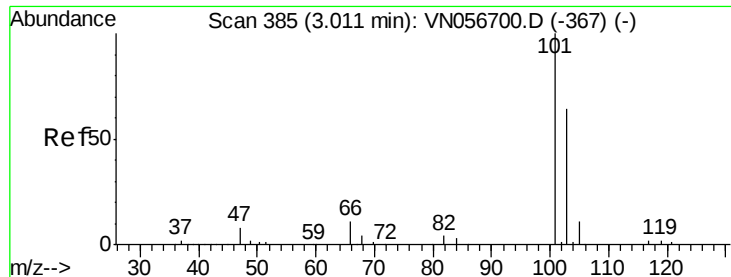
66 31.4 25.8 38.8



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



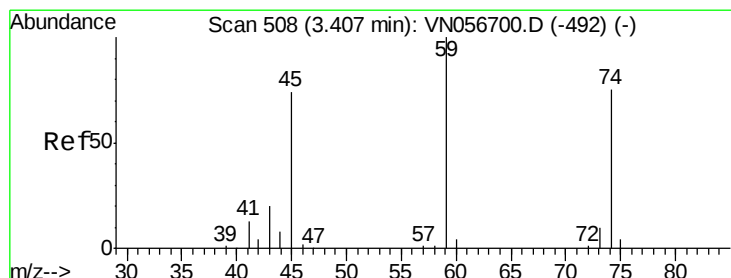
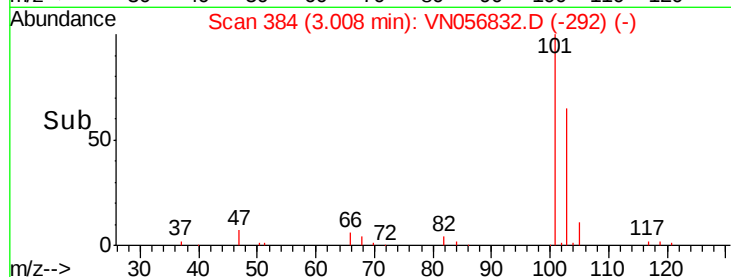
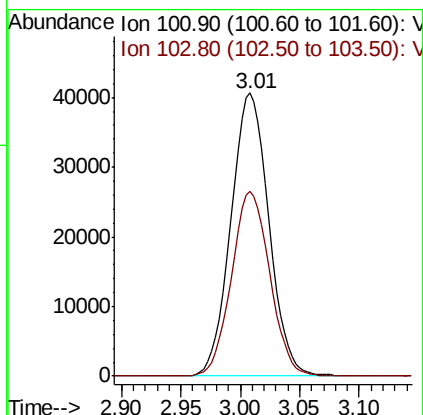
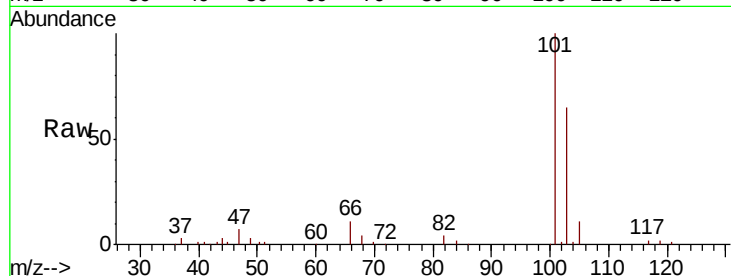


#7

Trichlorofluoromethane
 Concen: 19.613 ug/l
 RT: 3.01 min Scan# 384
 Delta R.T. -0.00 min
 Lab File: VN056832.D
 Acq: 19 Jul 2019 15:17

Instrument :
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 ClientSampleId :
 VN0719WBSD01

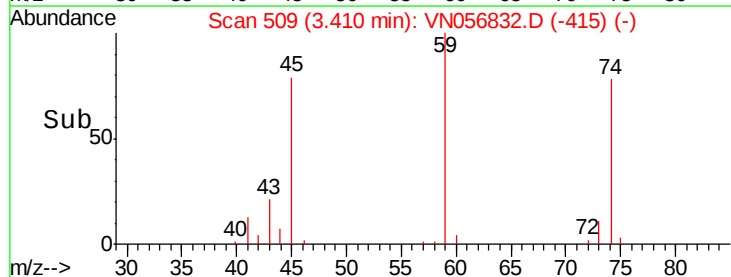
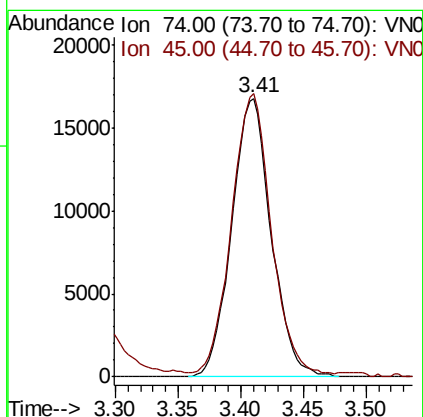
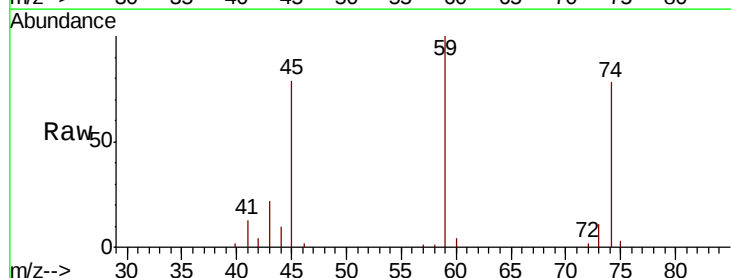
Tot Ion:101 Resp: 89687
 Ion Ratio Lower Upper
 101 100
 103 65.3 51.5 77.3

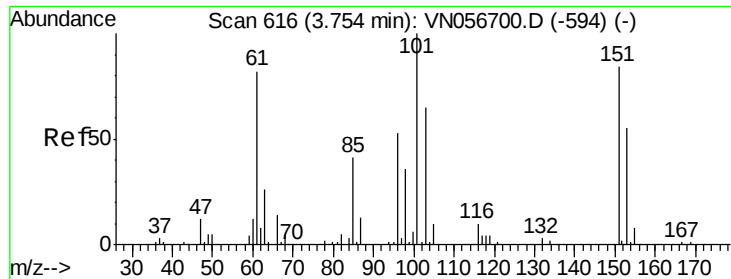


#8

Diethyl Ether
 Concen: 20.580 ug/l
 RT: 3.41 min Scan# 509
 Delta R.T. 0.00 min
 Lab File: VN056832.D
 Acq: 19 Jul 2019 15:17

Tgt Ion: 74 Resp: 36691
 Ion Ratio Lower Upper
 74 100
 45 99.8 49.4 148.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.887 ug/l

RT: 3.75 min Scan# 616

Delta R.T. -0.00 min

Lab File: VN056832.D

Acq: 19 Jul 2019 15:17

Instrument :

MSVOA_N

ClientSampleId :

VN0719WBSD01

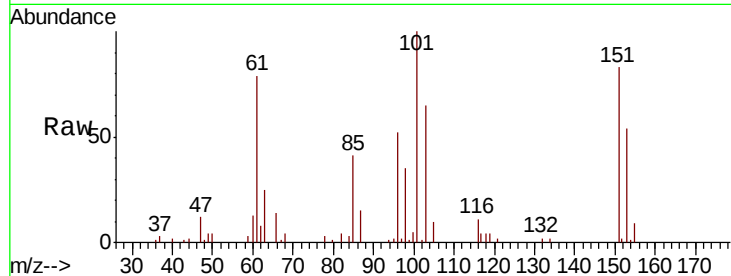
Tot Ion:101 Resp: 54636

Ion Ratio Lower Upper

101 100

85 42.6 33.3 49.9

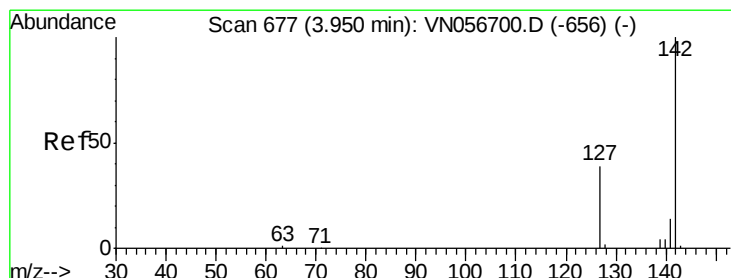
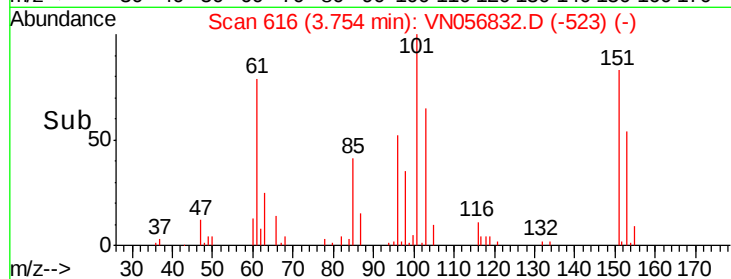
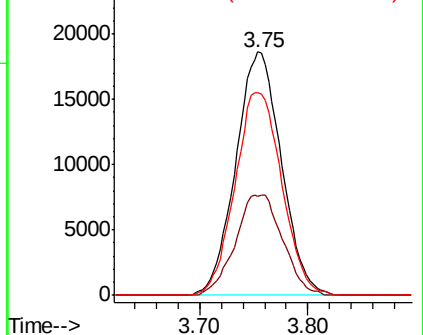
151 85.8 67.0 100.6



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 14.741 ug/l

RT: 3.95 min Scan# 677

Delta R.T. -0.00 min

Lab File: VN056832.D

Acq: 19 Jul 2019 15:17

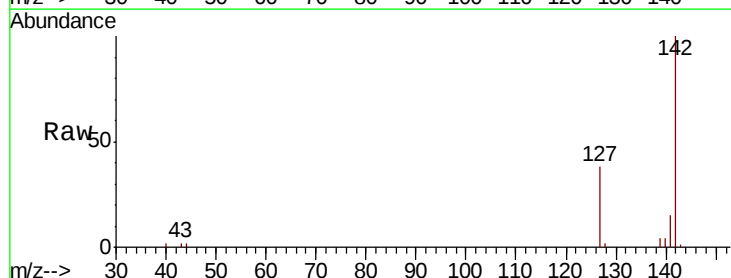
Tgt Ion:142 Resp: 54168

Ion Ratio Lower Upper

142 100

127 38.9 30.7 46.1

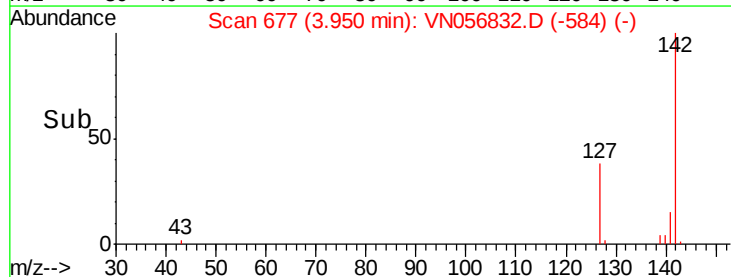
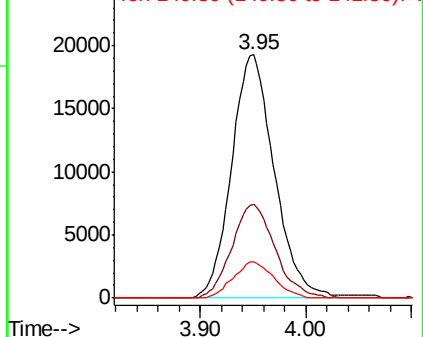
141 14.3 11.3 16.9

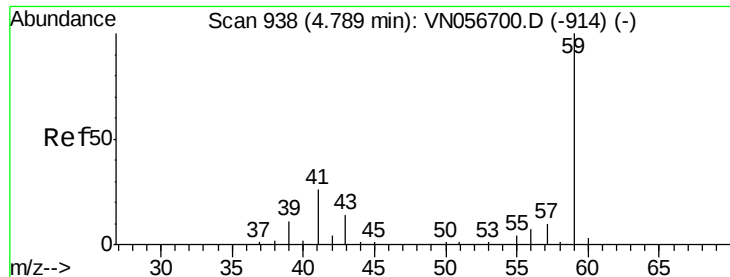


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

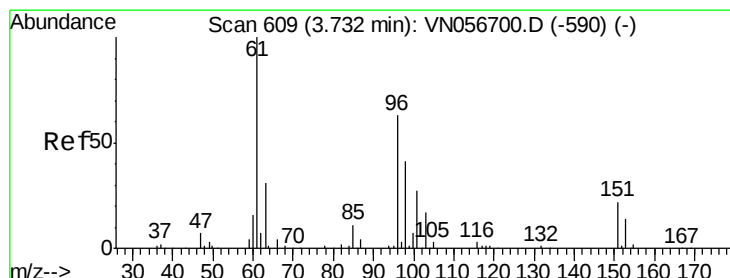
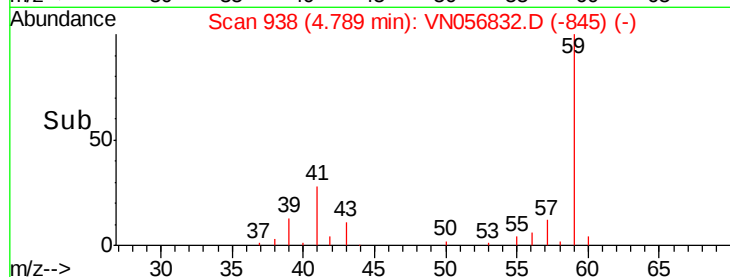
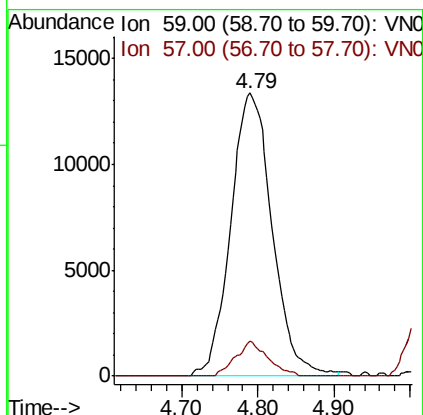
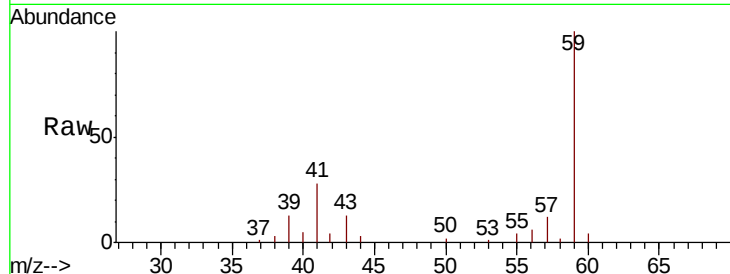




#11
Tert butyl alcohol
Concen: 93.887 ug/l
RT: 4.79 min Scan# 938
Delta R.T. -0.00 min
Lab File: VN056832.D
Acq: 19 Jul 2019 15:17

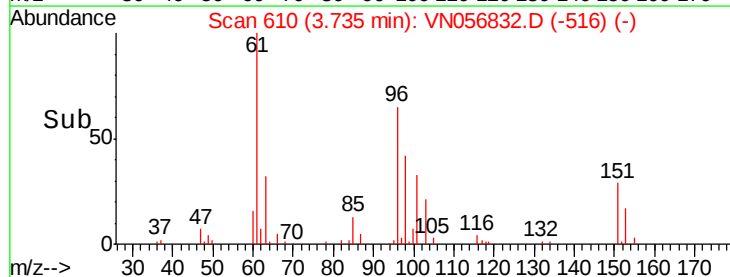
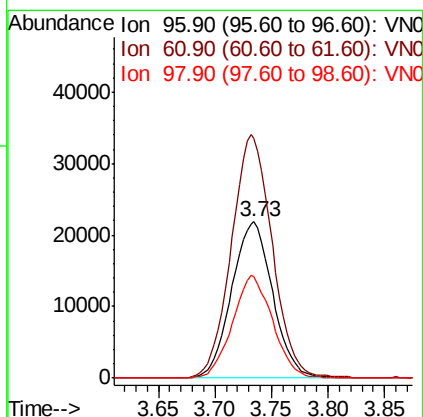
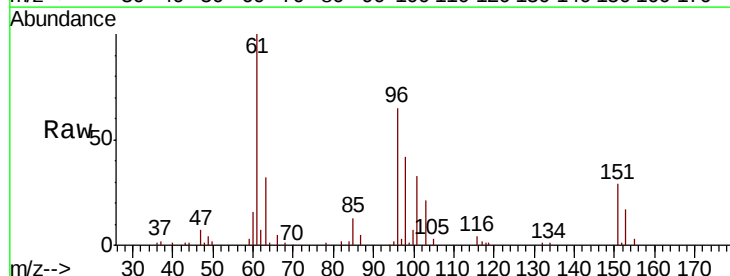
Instrument :
MSVOA_N
ClientSampleId :
VN0719WBSD01

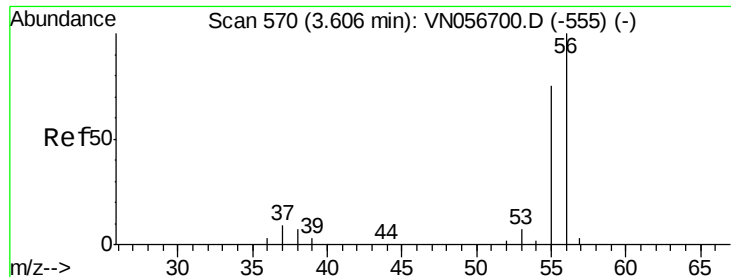
Tot Ion: 59 Resp: 50674
Ion Ratio Lower Upper
59 100
57 9.6 8.0 12.0



#12
1,1-Dichloroethene
Concen: 19.963 ug/l
RT: 3.73 min Scan# 610
Delta R.T. 0.00 min
Lab File: VN056832.D
Acq: 19 Jul 2019 15:17

Tgt Ion: 96 Resp: 55012
Ion Ratio Lower Upper
96 100
61 153.8 126.6 189.8
98 64.8 51.4 77.2





#13

Acrolein

Concen: 97.337 ug/l

RT: 3.60 min Scan# 569

Delta R.T. -0.00 min

Lab File: VN056832.D

Acq: 19 Jul 2019 15:17

Instrument :

MSVOA_N

ClientSampleId :

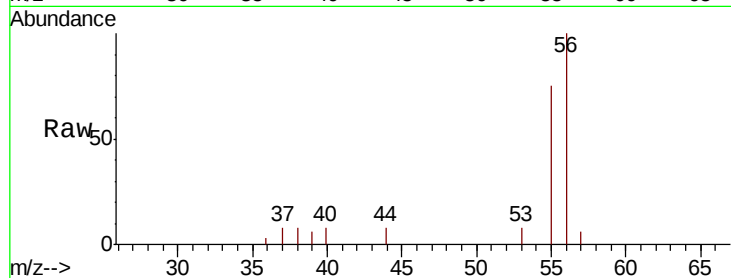
VN0719WBSD01

Tot Ion: 56 Resp: 16689

Ion Ratio Lower Upper

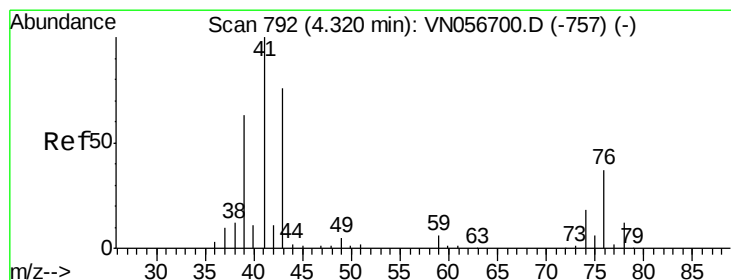
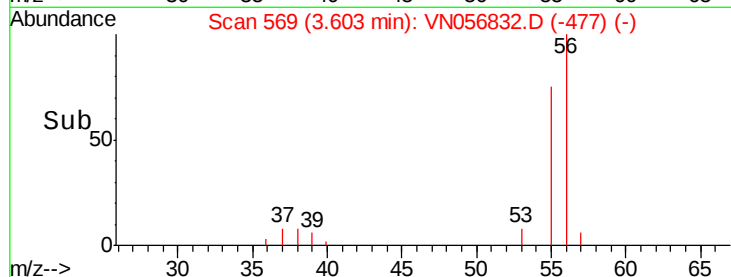
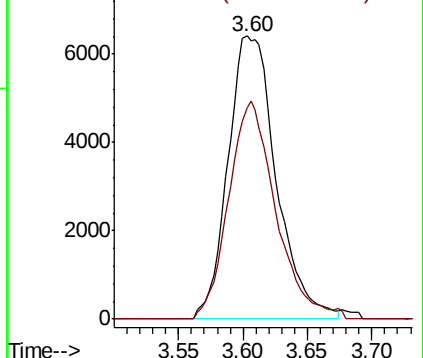
56 100

55 75.4 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: 19.392 ug/l

RT: 4.32 min Scan# 792

Delta R.T. -0.00 min

Lab File: VN056832.D

Acq: 19 Jul 2019 15:17

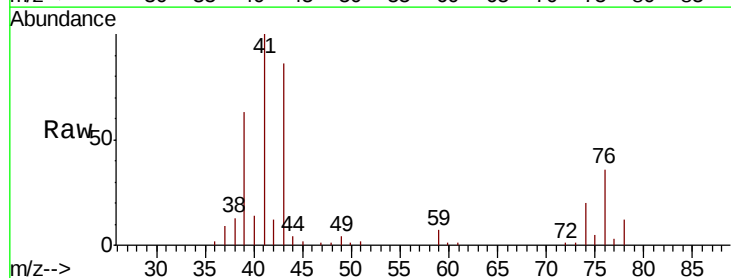
Tgt Ion: 41 Resp: 92416

Ion Ratio Lower Upper

41 100

39 59.1 46.9 70.3

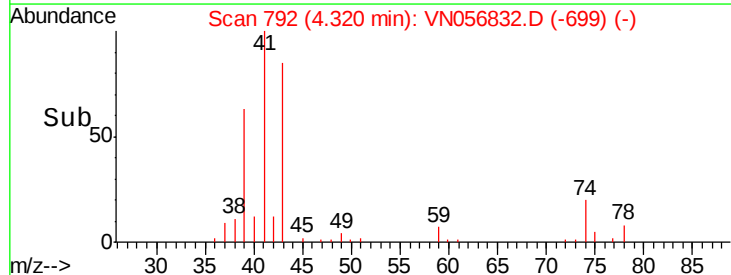
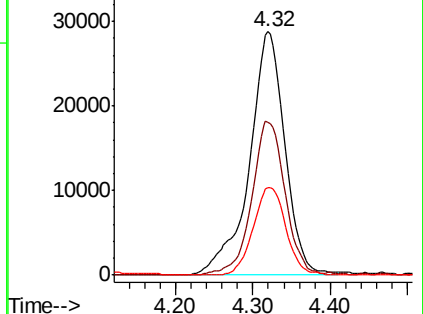
76 33.1 26.5 39.7

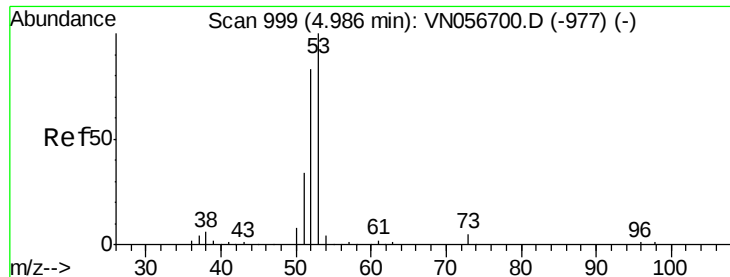


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 102.326 ug/l

RT: 4.99 min Scan# 999

Delta R.T. -0.00 min

Lab File: VN056832.D

Acq: 19 Jul 2019 15:17

Instrument :

MSVOA_N

ClientSampleId :

VN0719WBSD01

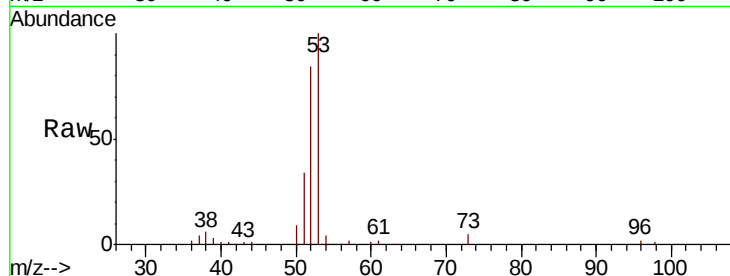
Tot Ion: 53 Resp: 159492

Ion Ratio Lower Upper

53 100

52 82.9 66.6 99.8

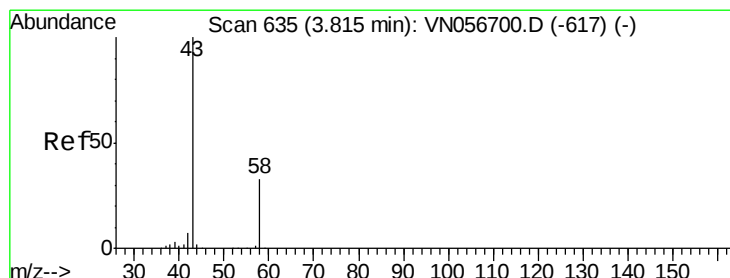
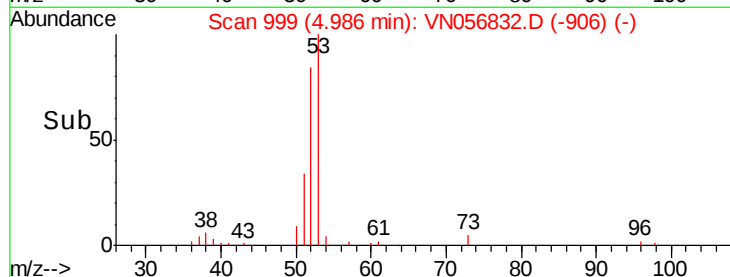
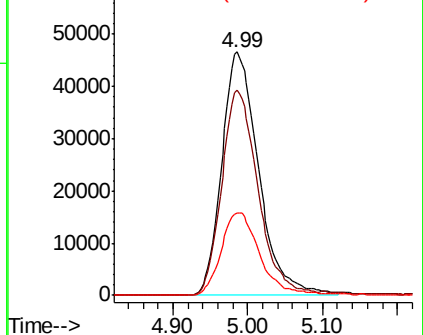
51 35.5 28.4 42.6



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: 82.991 ug/l

RT: 3.82 min Scan# 635

Delta R.T. -0.00 min

Lab File: VN056832.D

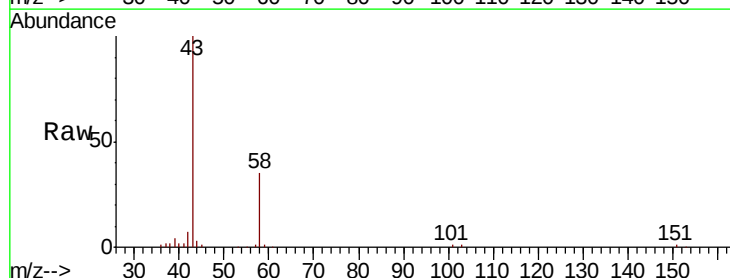
Acq: 19 Jul 2019 15:17

Tgt Ion: 43 Resp: 124011

Ion Ratio Lower Upper

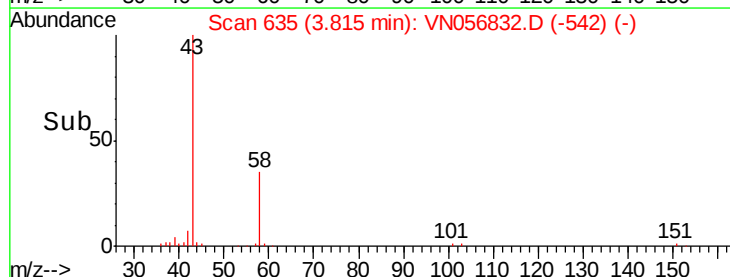
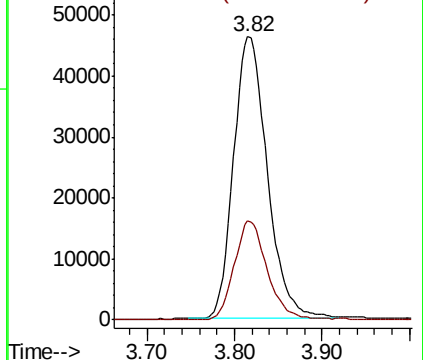
43 100

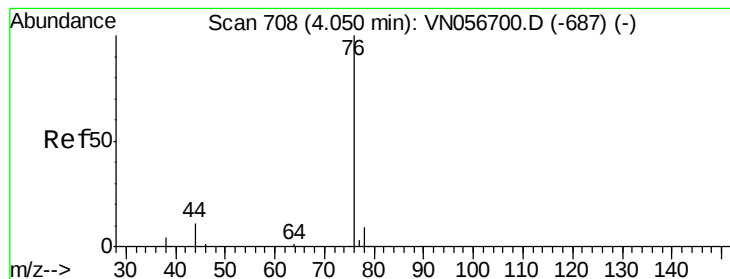
58 35.0 26.7 40.1



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#17

Carbon Disulfide

Concen: 17.570 ug/l

RT: 4.05 min Scan# 708

Delta R.T. -0.00 min

Lab File: VN056832.D

Acq: 19 Jul 2019 15:17

Instrument :

MSVOA_N

ClientSampleId :

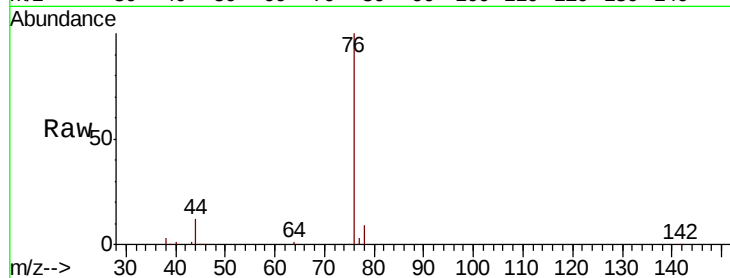
VN0719WBSD01

Tot Ion: 76 Resp: 127948

Ion Ratio Lower Upper

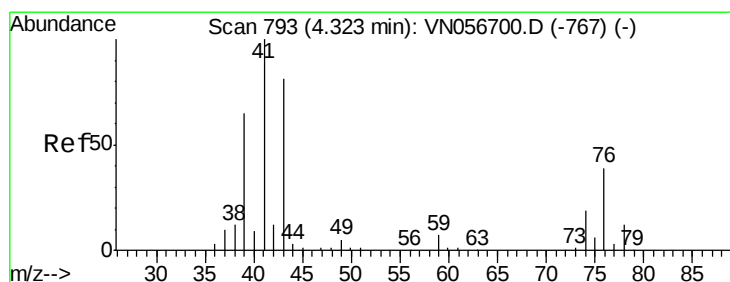
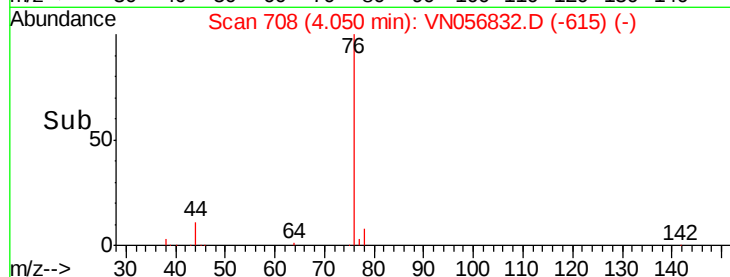
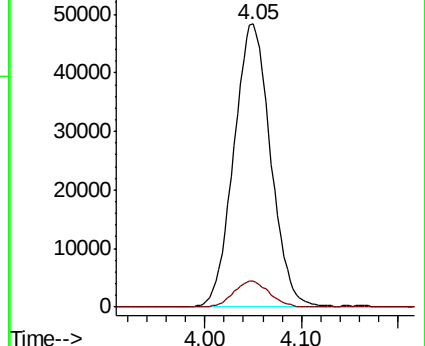
76 100

78 9.1 7.4 11.0



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 22.279 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN056832.D

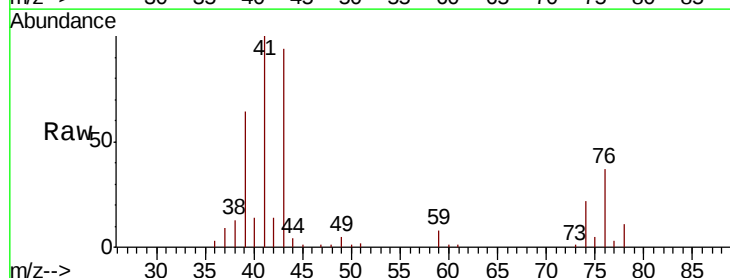
Acq: 19 Jul 2019 15:17

Tgt Ion: 43 Resp: 76581

Ion Ratio Lower Upper

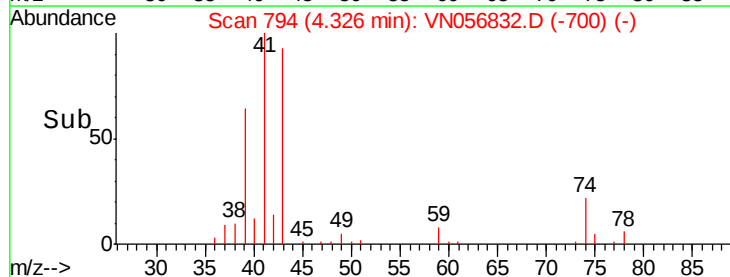
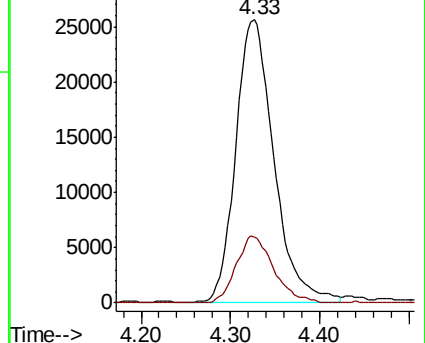
43 100

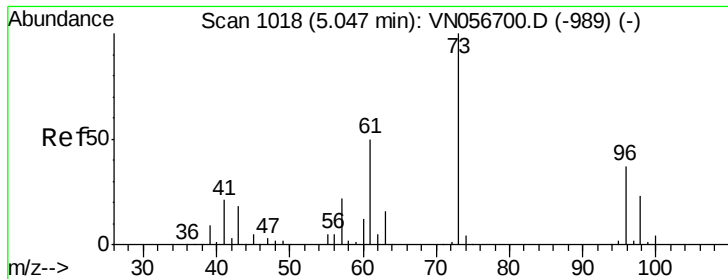
74 23.1 18.9 28.3



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

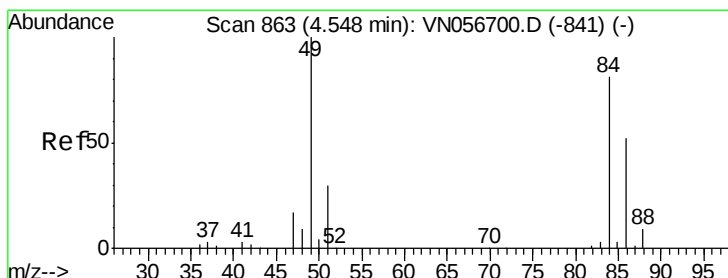
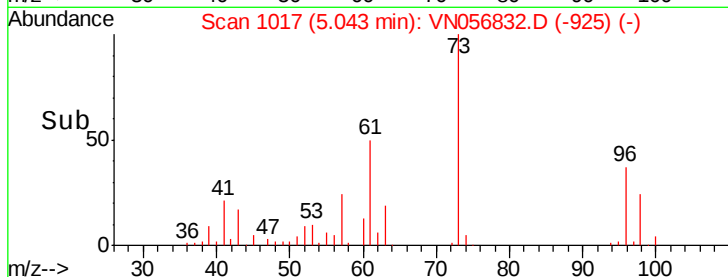
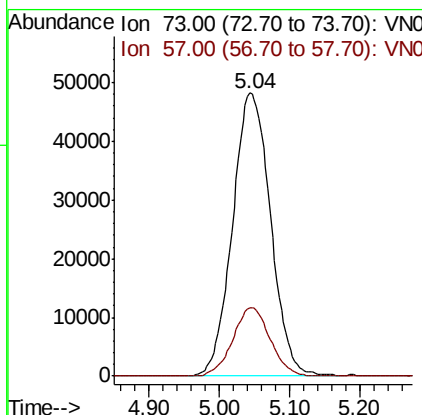
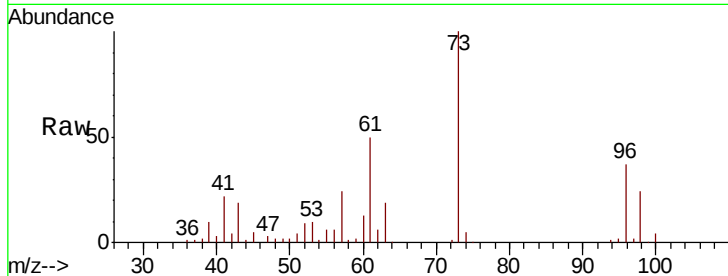




#19
Methyl tert-butyl Ether
Concen: 20.674 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VN056832.D
Acq: 19 Jul 2019 15:17

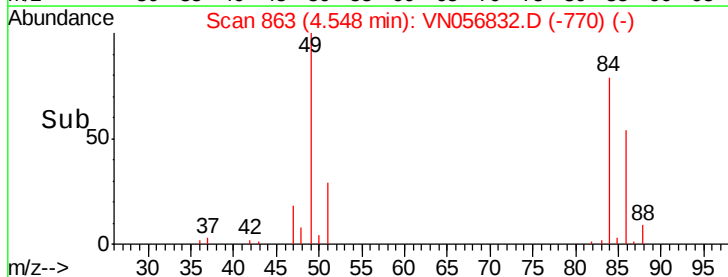
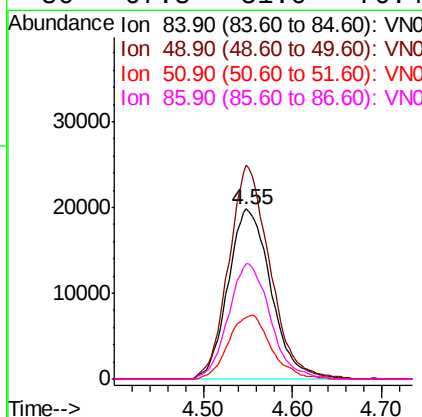
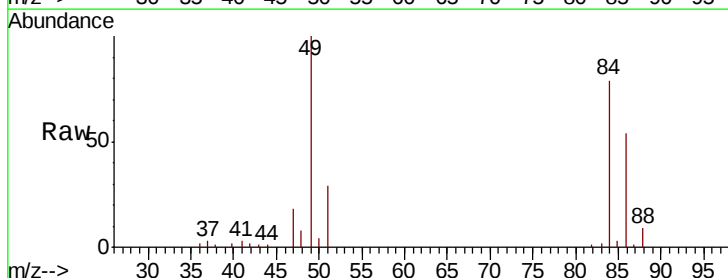
Instrument :
MSVOA_N
ClientSampleID :
VN0719WBSD01

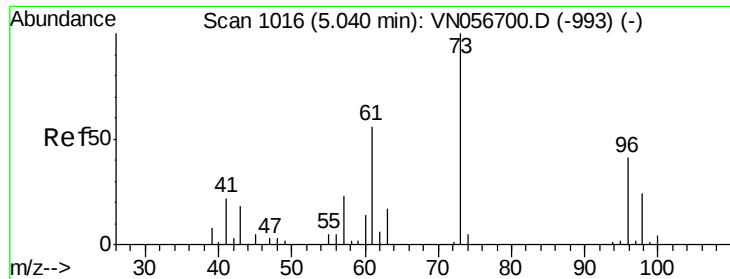
Tot Ion: 73 Resp: 181523
Ion Ratio Lower Upper
73 100
57 24.1 17.9 26.9



#20
Methylene Chloride
Concen: 20.246 ug/l
RT: 4.55 min Scan# 863
Delta R.T. -0.00 min
Lab File: VN056832.D
Acq: 19 Jul 2019 15:17

Tgt Ion: 84 Resp: 66114
Ion Ratio Lower Upper
84 100
49 125.9 98.2 147.4
51 36.3 29.6 44.4
86 67.8 51.0 76.4

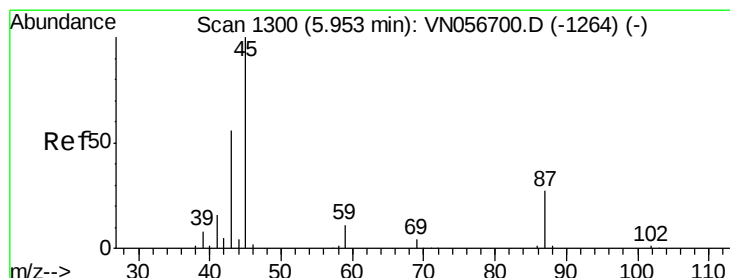
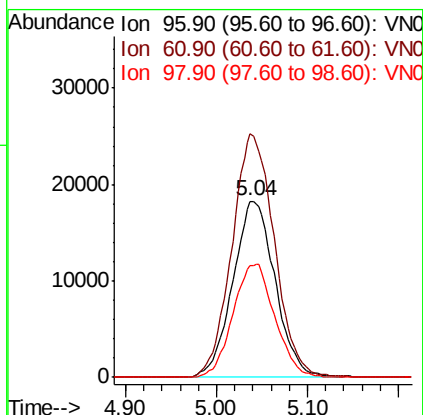
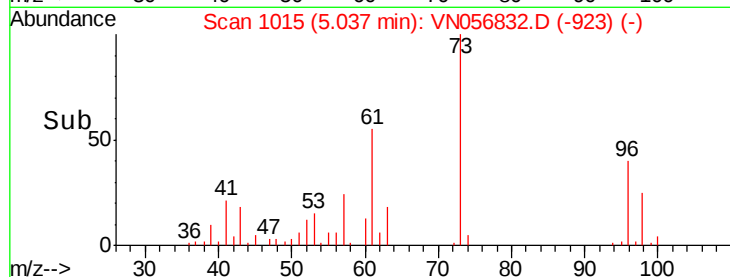
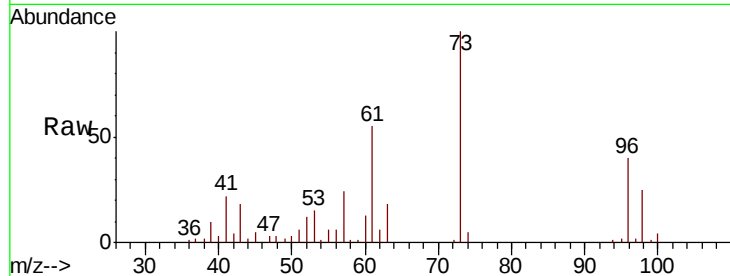




#21
trans-1,2-Dichloroethene
Concen: 20.192 ug/l
RT: 5.04 min Scan# 1015
Delta R.T. -0.00 min
Lab File: VN056832.D
Acq: 19 Jul 2019 15:17

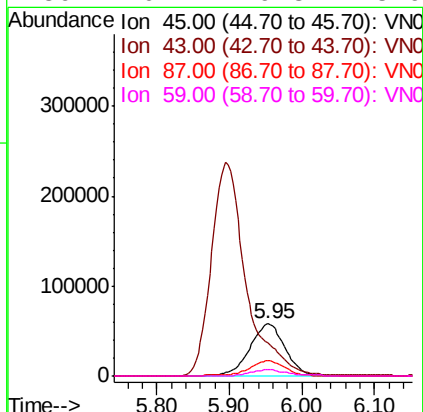
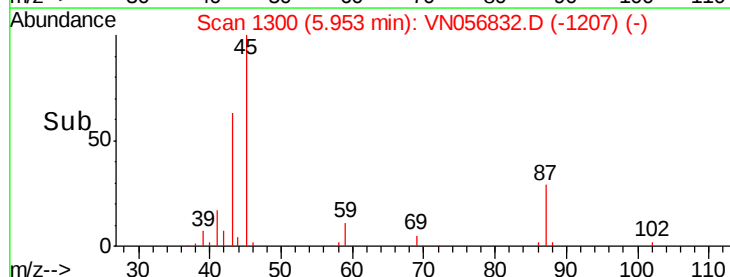
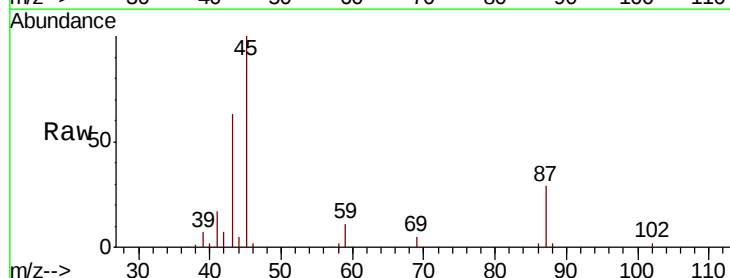
Instrument :
MSVOA_N
ClientSampleId :
VN0719WBSD01

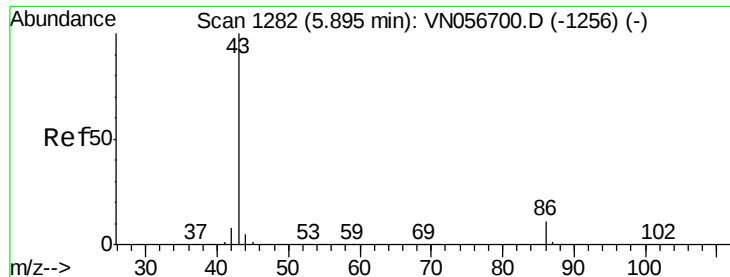
Tot Ion: 96 Resp: 58818
Ion Ratio Lower Upper
96 100
61 138.3 109.4 164.2
98 63.3 48.0 72.0



#22
Diisopropyl ether
Concen: 20.919 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. -0.00 min
Lab File: VN056832.D
Acq: 19 Jul 2019 15:17

Tgt Ion: 45 Resp: 196784
Ion Ratio Lower Upper
45 100
43 60.5 45.6 68.4
87 28.9 22.0 33.0
59 10.7 9.3 13.9





#23

Vinyl Acetate

Concen: 104.320 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. -0.00 min

Lab File: VN056832.D

Acq: 19 Jul 2019 15:17

Instrument :

MSVOA_N

ClientSampleID :

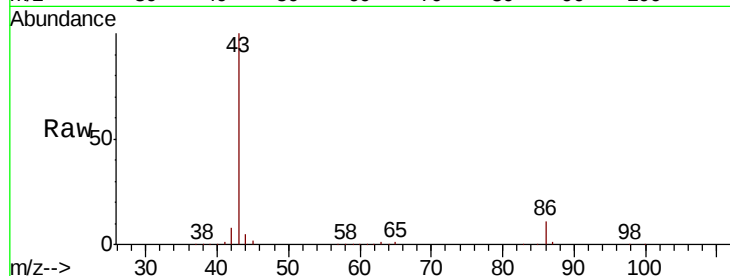
VN0719WBSD01

Tot Ion: 43 Resp: 795211

Ion Ratio Lower Upper

43 100

86 10.6 8.5 12.7



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

250000

200000

150000

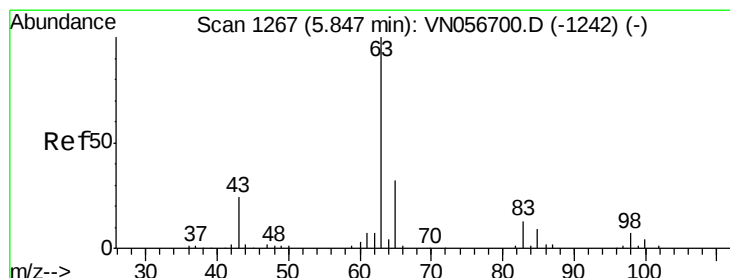
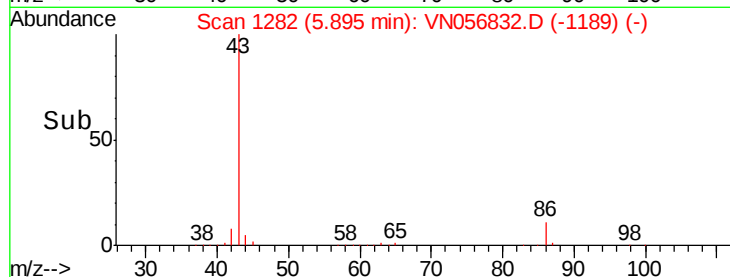
100000

50000

0

5.70 5.80 5.90 6.00 6.10

Time-->



#24

1,1-Dichloroethane

Concen: 20.867 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. 0.00 min

Lab File: VN056832.D

Acq: 19 Jul 2019 15:17

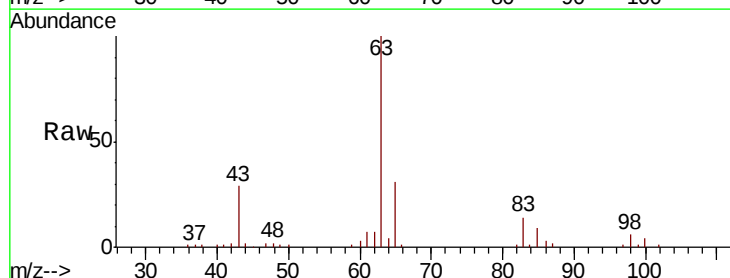
Tgt Ion: 63 Resp: 113806

Ion Ratio Lower Upper

63 100

98 6.4 3.3 9.9

100 4.3 2.0 5.8



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

50000

40000

30000

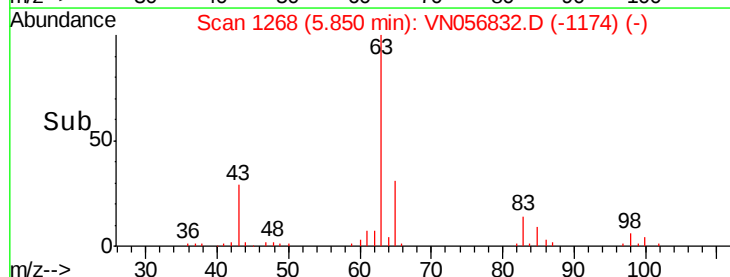
20000

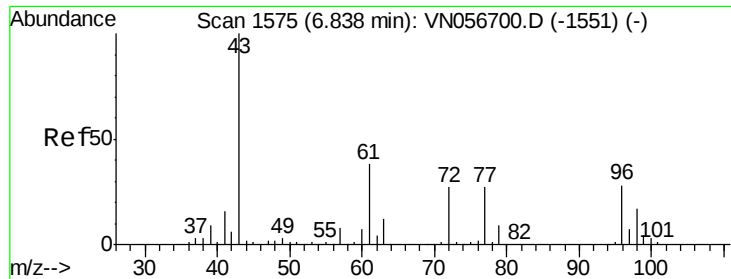
10000

0

5.70 5.80 5.90 6.00

Time-->

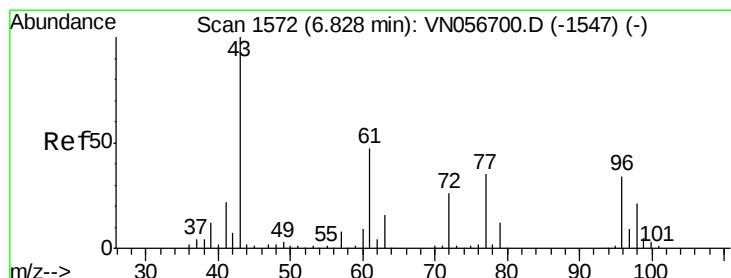
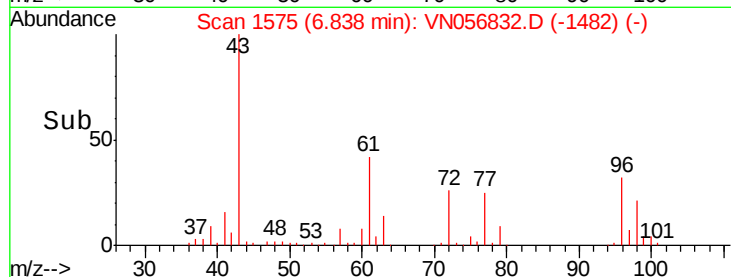
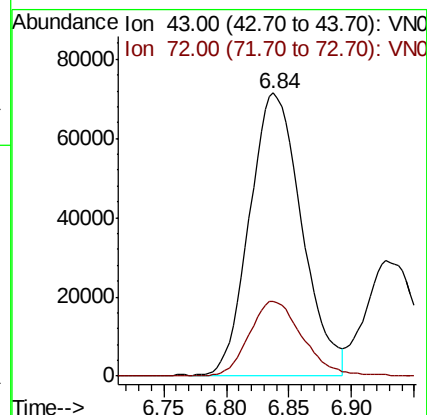
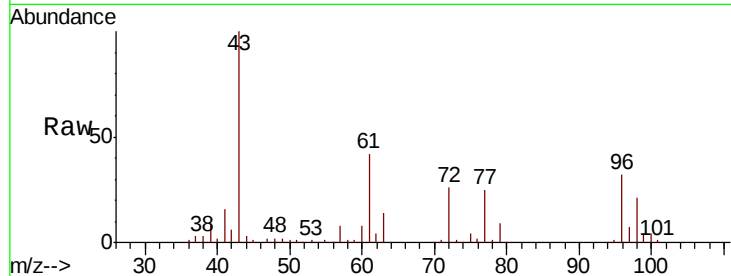




#25
2-Butanone
Concen: 94.229 ug/l
RT: 6.84 min Scan# 1575
Delta R.T. -0.00 min
Lab File: VN056832.D
Acq: 19 Jul 2019 15:17

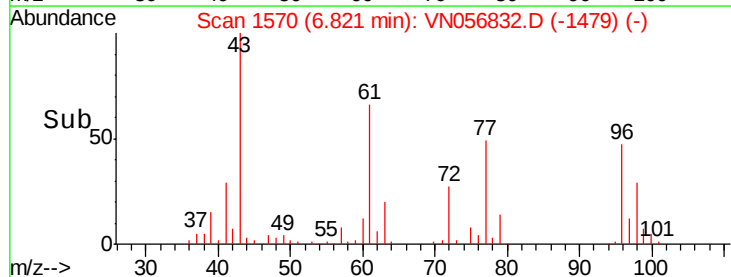
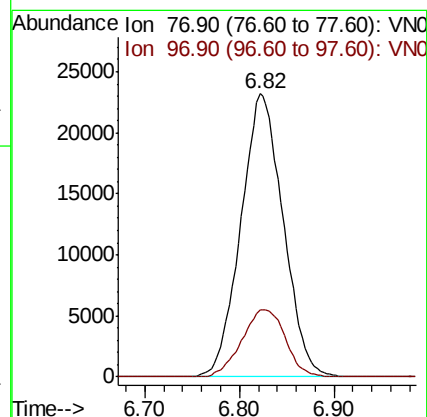
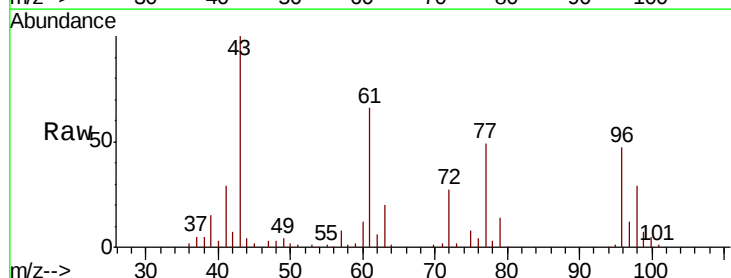
Instrument :
MSVOA_N
ClientSampleId :
VN0719WBSD01

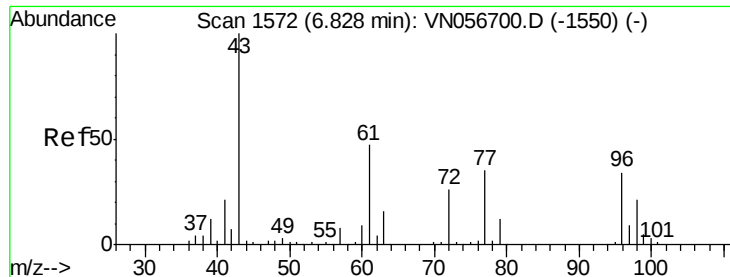
Tot Ion: 43 Resp: 205856
Ion Ratio Lower Upper
43 100
72 26.3 21.2 31.8



#26
2,2-Dichloropropane
Concen: 18.298 ug/l
RT: 6.82 min Scan# 1570
Delta R.T. -0.01 min
Lab File: VN056832.D
Acq: 19 Jul 2019 15:17

Tgt Ion: 77 Resp: 71958
Ion Ratio Lower Upper
77 100
97 24.5 12.2 36.6





#27

cis-1,2-Dichloroethene

Concen: 20.968 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VN056832.D

Acq: 19 Jul 2019 15:17

Instrument :

MSVOA_N

ClientSampleId :

VN0719WBSD01

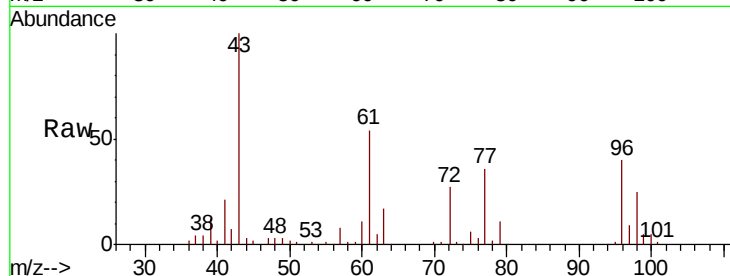
Tot Ion: 96 Resp: 70281

Ion Ratio Lower Upper

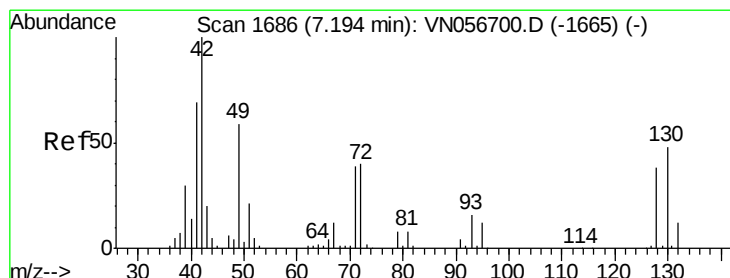
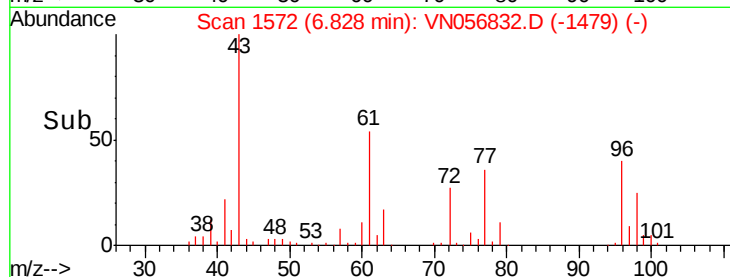
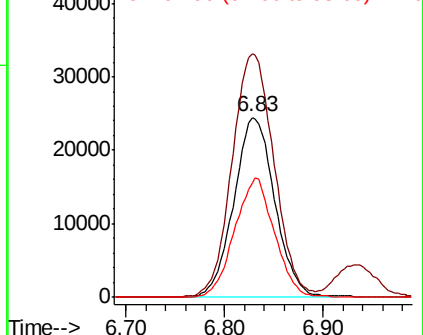
96 100

61 138.8 0.0 281.4

98 64.1 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: 19.508 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. 0.00 min

Lab File: VN056832.D

Acq: 19 Jul 2019 15:17

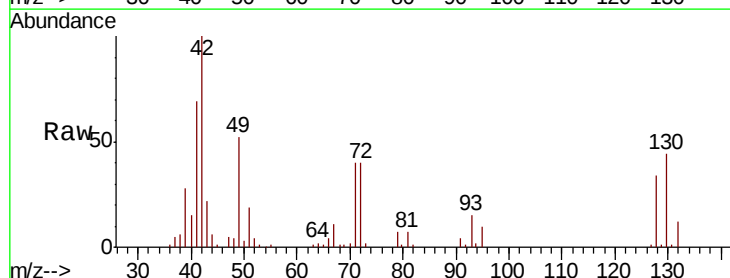
Tgt Ion: 49 Resp: 50023

Ion Ratio Lower Upper

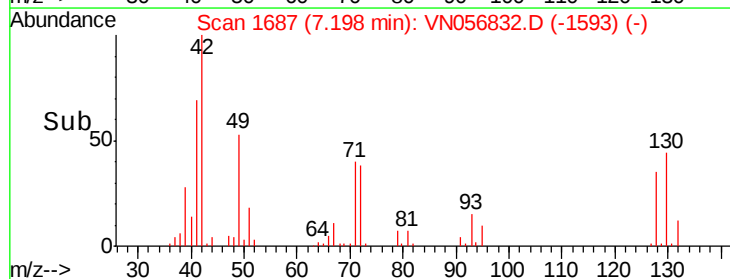
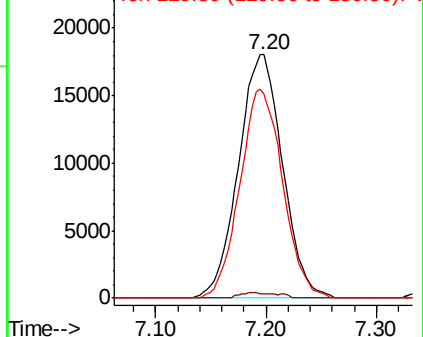
49 100

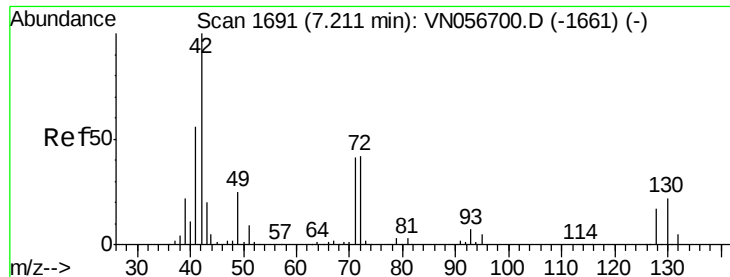
129 1.6 0.0 4.0

130 83.1 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

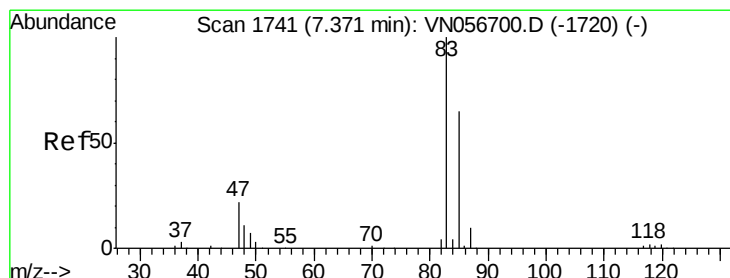
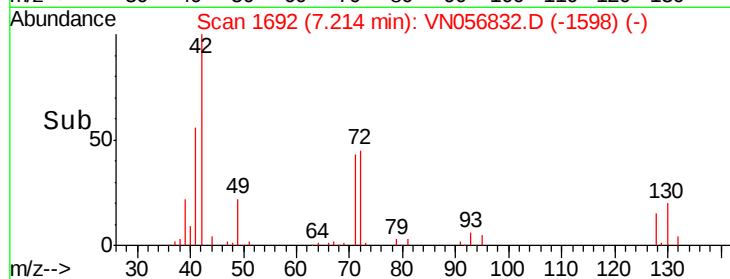
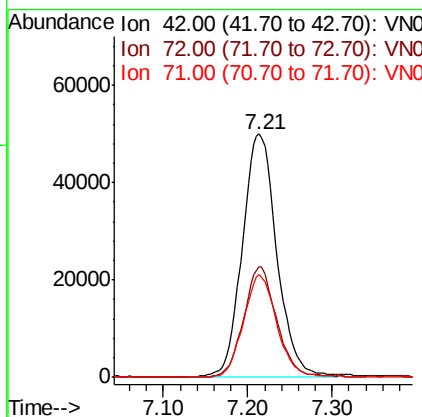
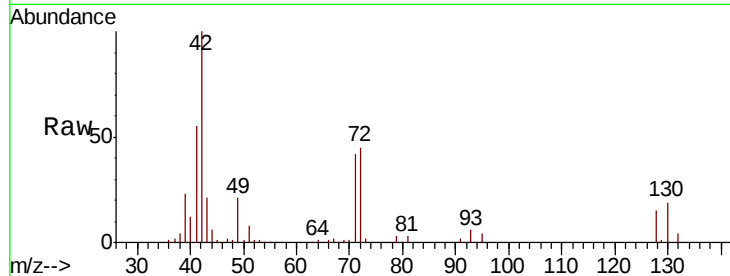




#29
Tetrahydrofuran
Concen: 99.937 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VN056832.D
Acq: 19 Jul 2019 15:17

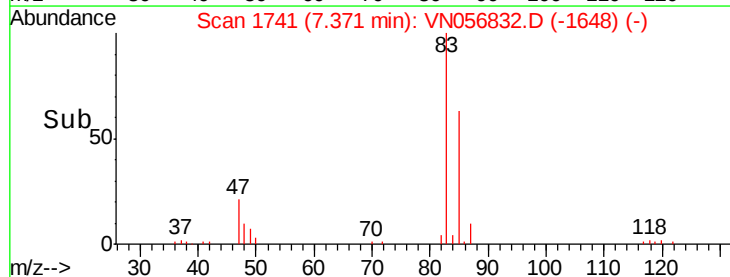
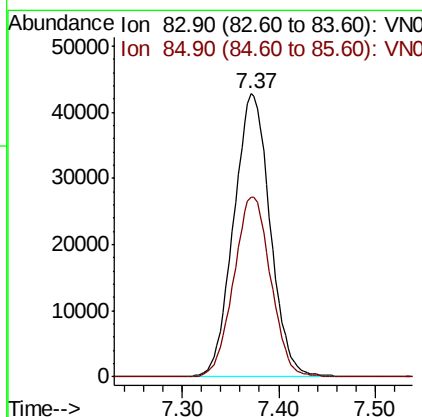
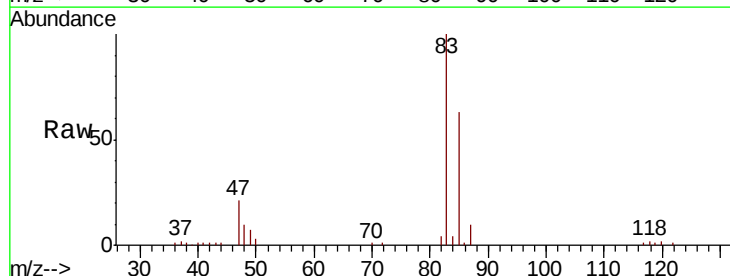
Instrument :
MSVOA_N
ClientSampleId :
VN0719WBSD01

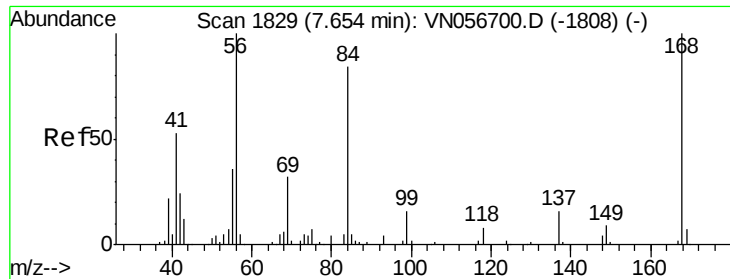
Tot Ion: 42 Resp: 142399
Ion Ratio Lower Upper
42 100
72 43.3 33.5 50.3
71 40.6 31.8 47.8



#30
Chloroform
Concen: 20.501 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN056832.D
Acq: 19 Jul 2019 15:17

Tgt Ion: 83 Resp: 111886
Ion Ratio Lower Upper
83 100
85 63.4 51.9 77.9

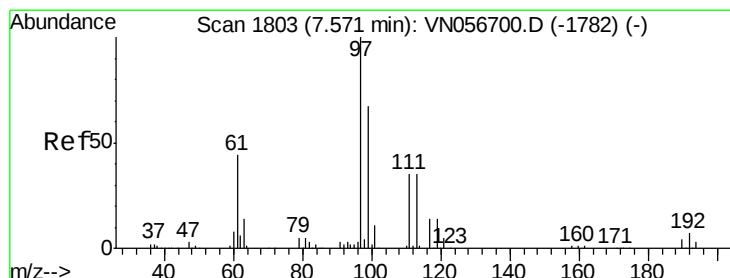
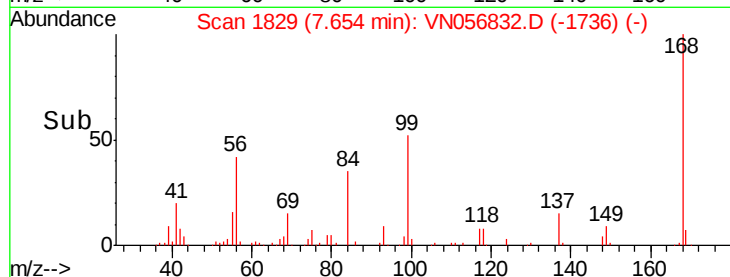
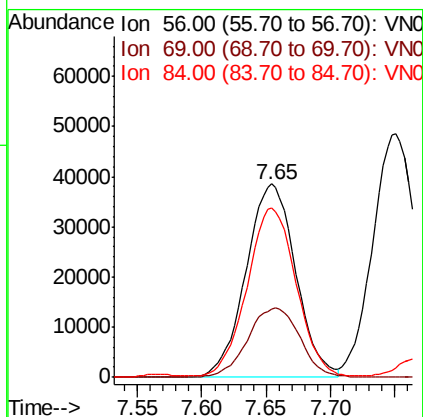
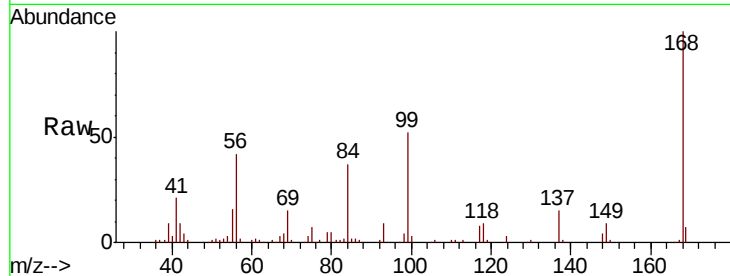




#31
Cyclohexane
Concen: 19.956 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. -0.00 min
Lab File: VN056832.D
Acq: 19 Jul 2019 15:17

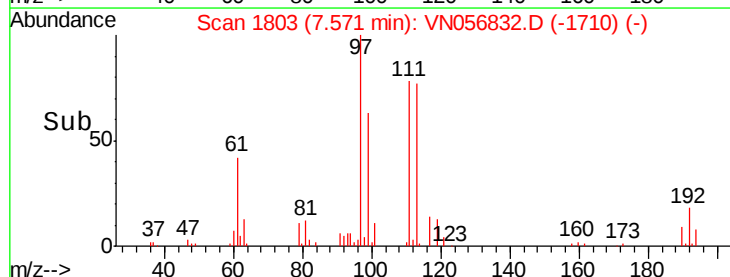
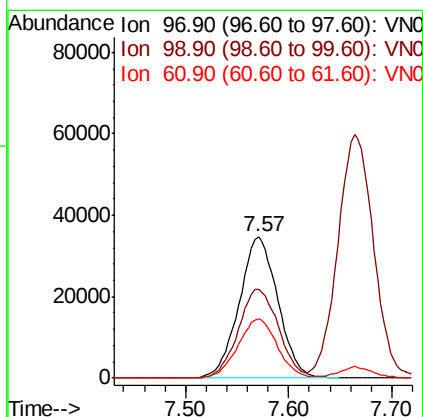
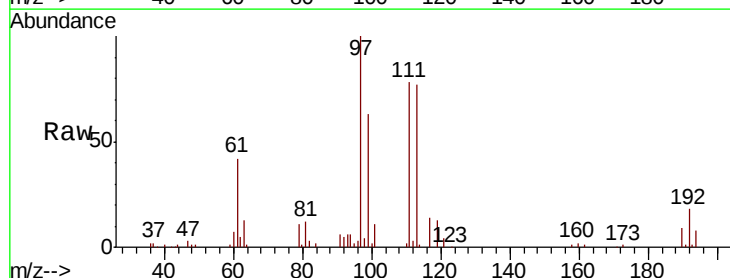
Instrument :
MSVOA_N
ClientSampleId :
VN0719WBSD01

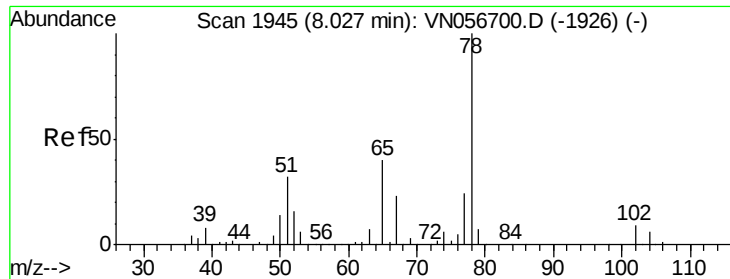
Tot Ion: 56 Resp: 103447
Ion Ratio Lower Upper
56 100
69 35.2 25.8 38.8
84 86.3 67.4 101.0



#32
1,1,1-Trichloroethane
Concen: 20.962 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. -0.00 min
Lab File: VN056832.D
Acq: 19 Jul 2019 15:17

Tgt Ion: 97 Resp: 90476
Ion Ratio Lower Upper
97 100
99 64.8 52.0 78.0
61 42.5 34.3 51.5

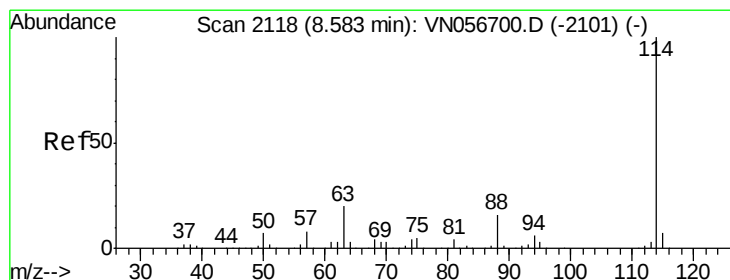
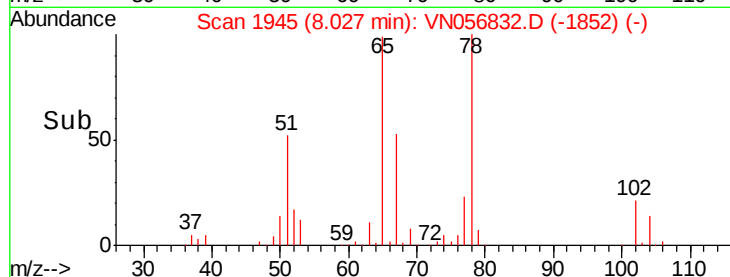
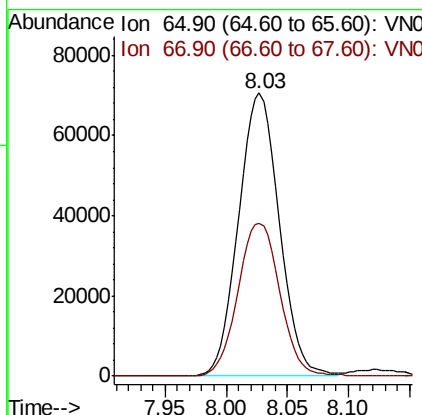
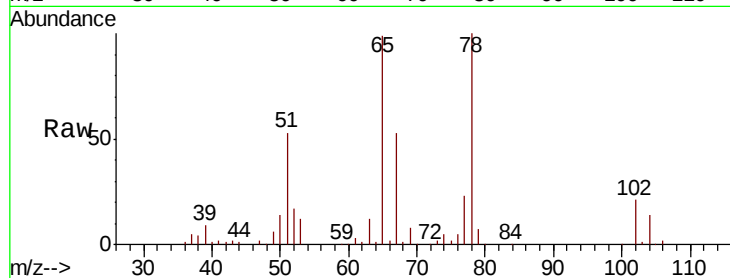




#33
 1,2-Dichloroethane-d4
 Concen: 50.336 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN056832.D
 Acq: 19 Jul 2019 15:17

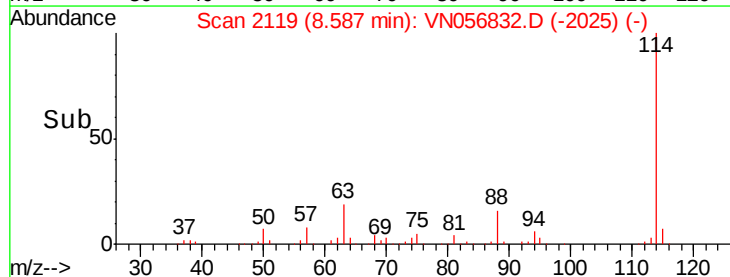
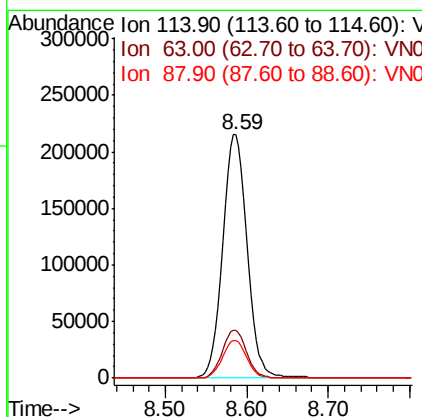
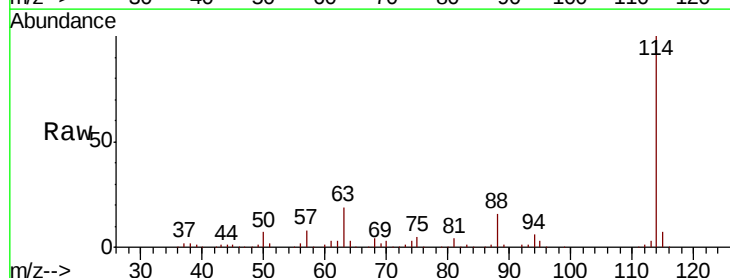
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0719WBSD01

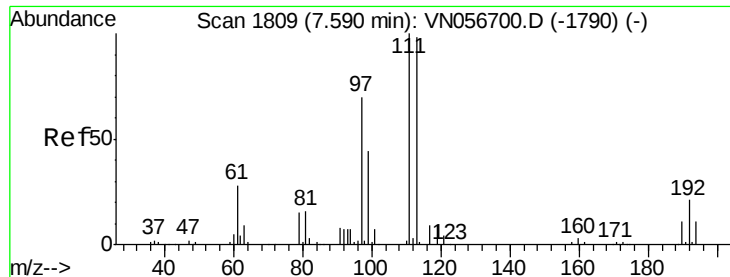
Tot Ion: 65 Resp: 163219
 Ion Ratio Lower Upper
 65 100
 67 55.7 0.0 109.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN056832.D
 Acq: 19 Jul 2019 15:17

Tgt Ion: 114 Resp: 458213
 Ion Ratio Lower Upper
 114 100
 63 19.4 0.0 39.4
 88 15.6 0.0 31.2

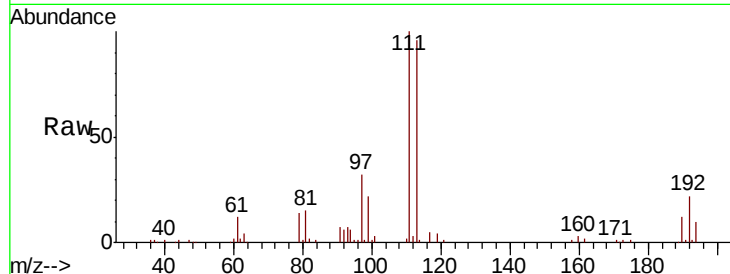




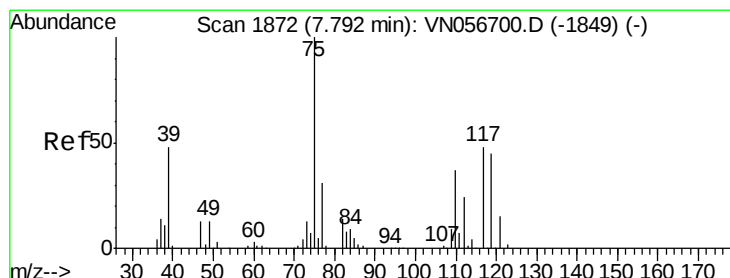
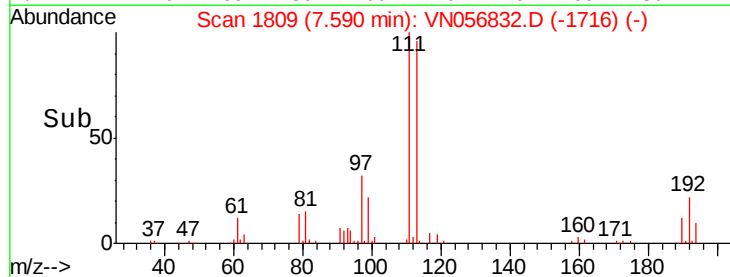
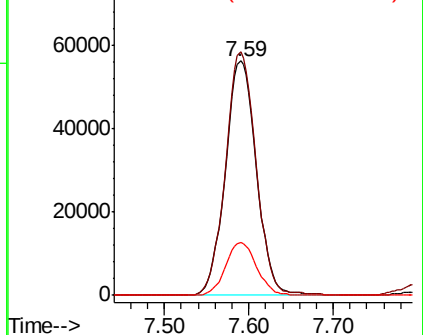
#35
 Dibromofluoromethane
 Concen: 50.401 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN056832.D
 Acq: 19 Jul 2019 15:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0719WBSD01

Tot Ion	Ratio	Lower	Upper
113	100		
111	101.4	81.8	122.6
192	22.5	17.5	26.3

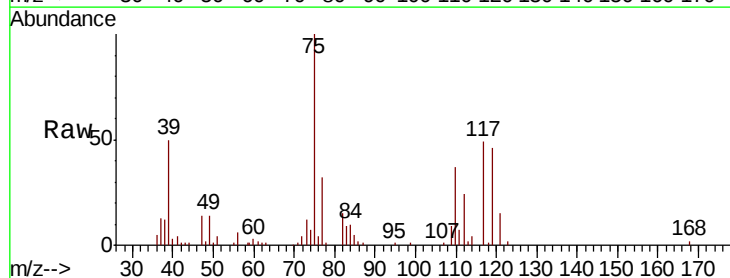


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

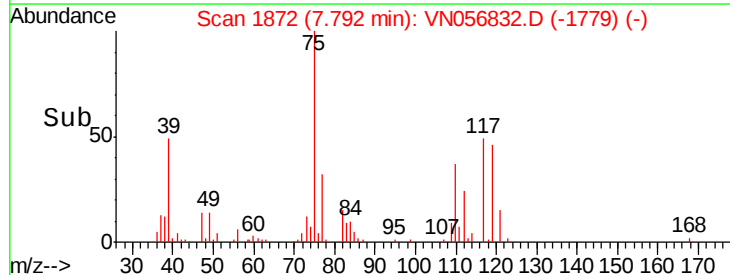
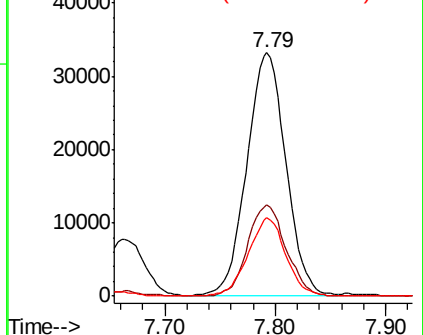


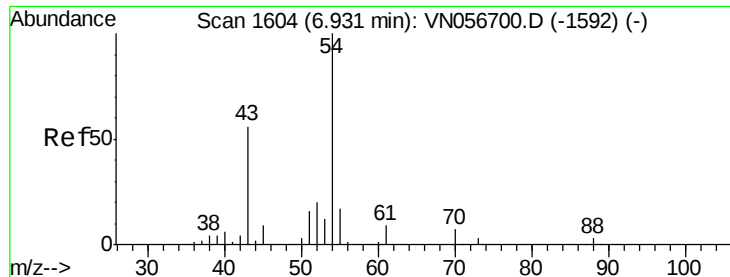
#36
 1,1-Dichloropropene
 Concen: 19.285 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. -0.00 min
 Lab File: VN056832.D
 Acq: 19 Jul 2019 15:17

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.5	18.4	55.4
77	30.8	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

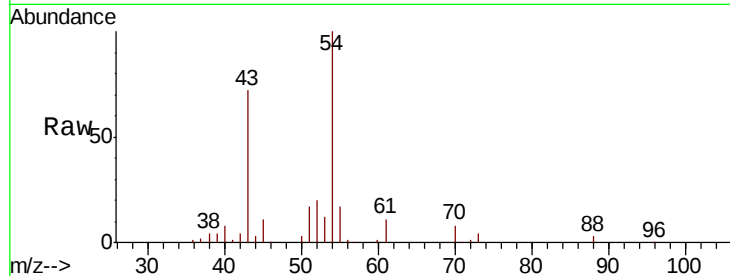




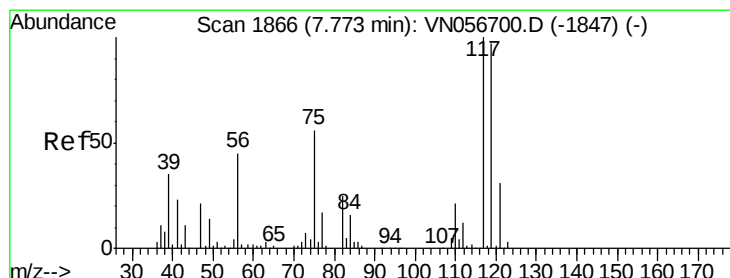
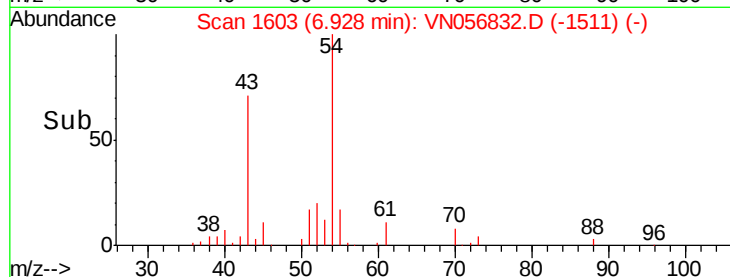
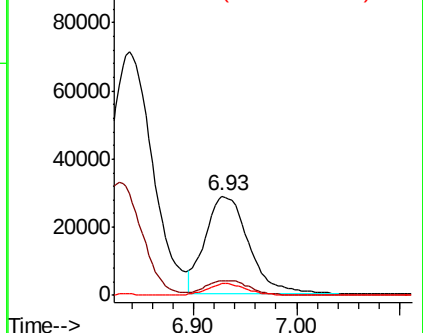
#37
Ethyl Acetate
Concen: 20.142 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. -0.00 min
Lab File: VN056832.D
Acq: 19 Jul 2019 15:17

Instrument :
MSVOA_N
ClientSampleID :
VN0719WBSD01

Tot Ion: 43 Resp: 84176
Ion Ratio Lower Upper
43 100
61 15.5 11.3 16.9
70 10.8 8.5 12.7

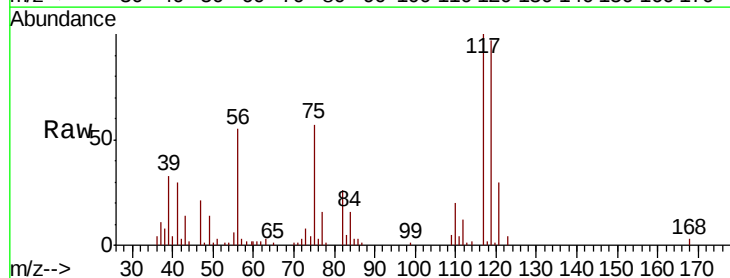


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

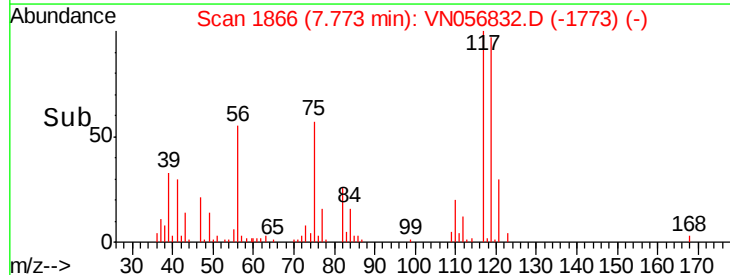
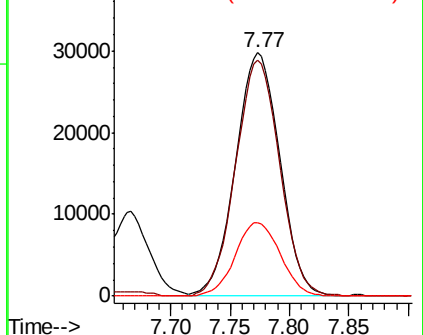


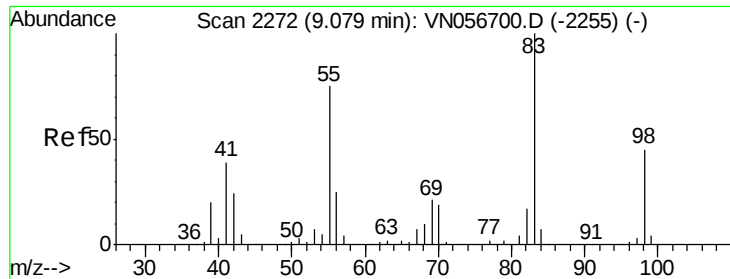
#38
Carbon Tetrachloride
Concen: 19.292 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN056832.D
Acq: 19 Jul 2019 15:17

Tgt Ion: 117 Resp: 76711
Ion Ratio Lower Upper
117 100
119 97.0 77.5 116.3
121 30.3 24.7 37.1



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

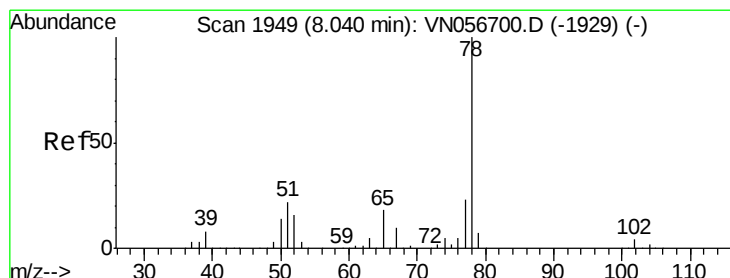
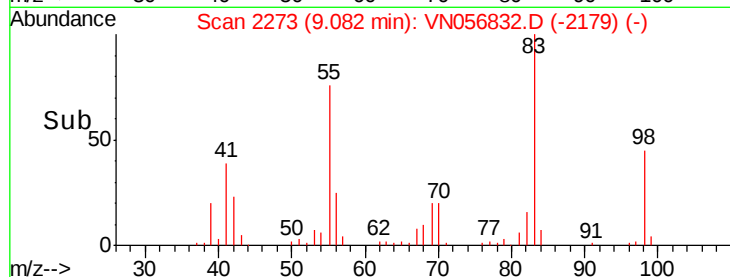
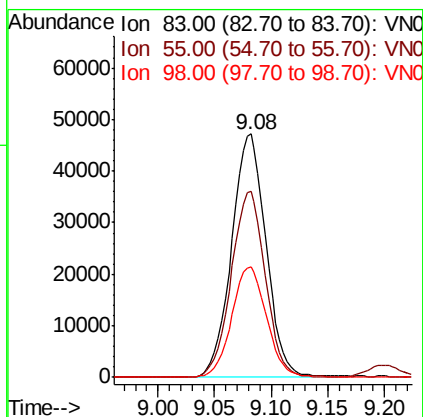
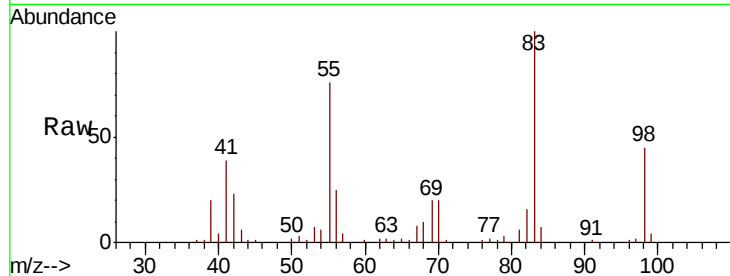




#39
Methvlcvclohexane
Concen: 19.098 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN056832.D
Acq: 19 Jul 2019 15:17

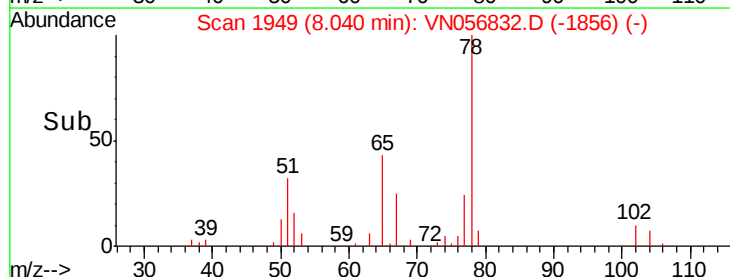
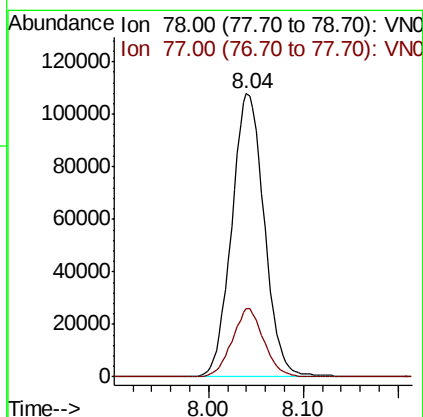
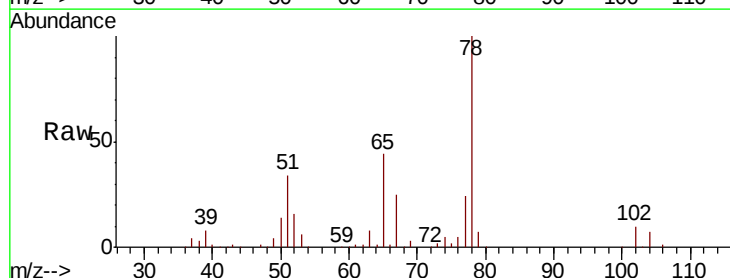
Instrument :
MSVOA_N
ClientSampleId :
VN0719WBSD01

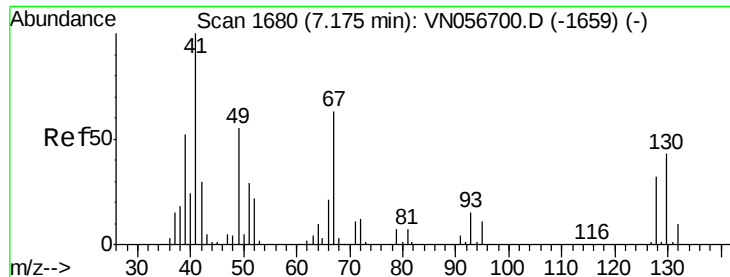
Tot Ion: 83 Resp: 99990
Ion Ratio Lower Upper
83 100
55 76.2 60.4 90.6
98 45.3 35.8 53.8



#40
Benzene
Concen: 19.849 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN056832.D
Acq: 19 Jul 2019 15:17

Tgt Ion: 78 Resp: 257875
Ion Ratio Lower Upper
78 100
77 24.0 18.6 27.8

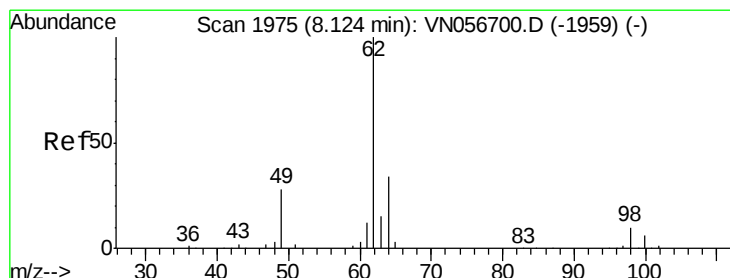
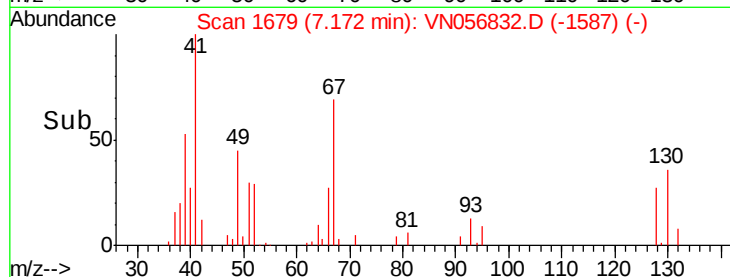
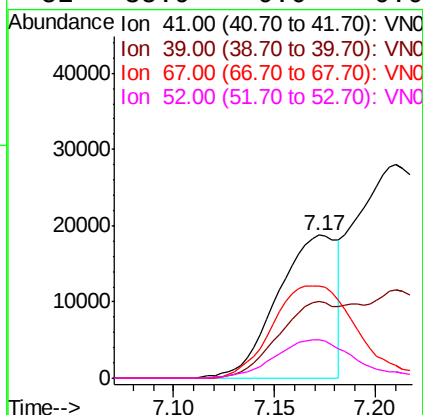
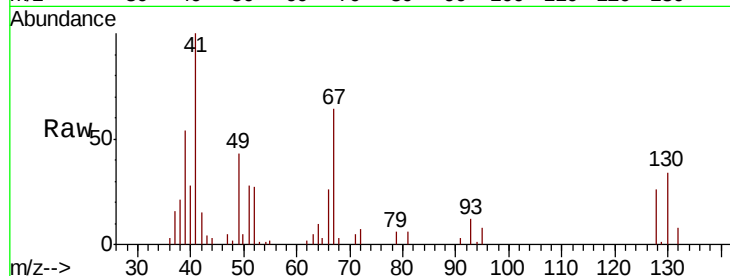




#41
Methacrylonitrile
Concen: 21.043 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. -0.00 min
Lab File: VN056832.D
Acq: 19 Jul 2019 15:17

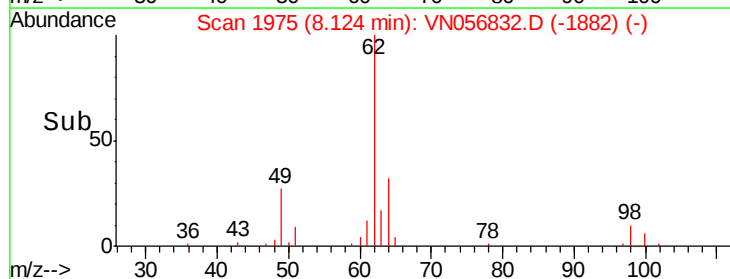
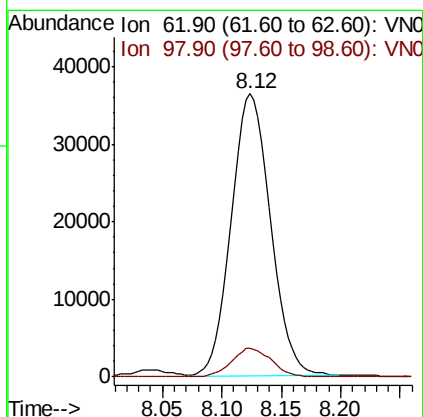
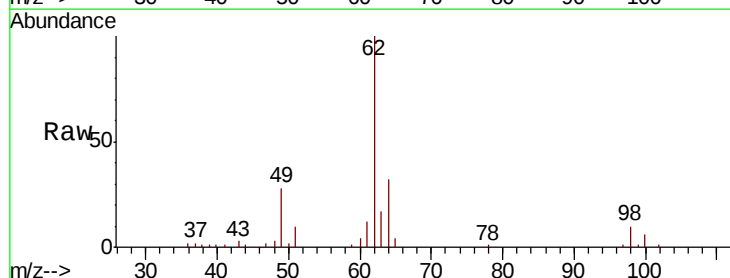
Instrument :
MSVOA_N
ClientSampleId :
VN0719WBSD01

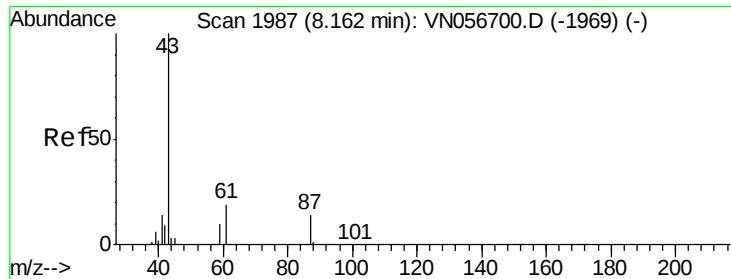
Tot Ion: 41 Resp: 38628
Ion Ratio Lower Upper
41 100
39 51.9 0.0 0.0#
67 91.4 0.0 0.0#
52 35.9 0.0 0.0#



#42
1,2-Dichloroethane
Concen: 20.344 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN056832.D
Acq: 19 Jul 2019 15:17

Tgt Ion: 62 Resp: 83534
Ion Ratio Lower Upper
62 100
98 10.2 0.0 19.8





#43

Isopropyl Acetate

Concen: 20.648 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN056832.D

Acq: 19 Jul 2019 15:17

Instrument :

MSVOA_N

ClientSampleId :

VN0719WBSD01

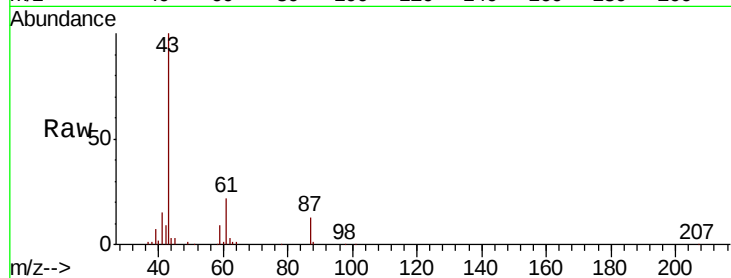
Tot Ion: 43 Resp: 135653

Ion Ratio Lower Upper

43 100

61 28.4 22.3 33.5

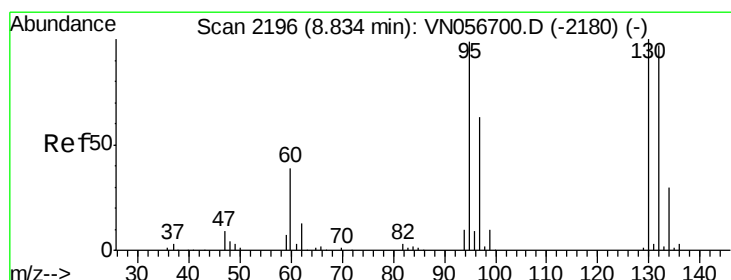
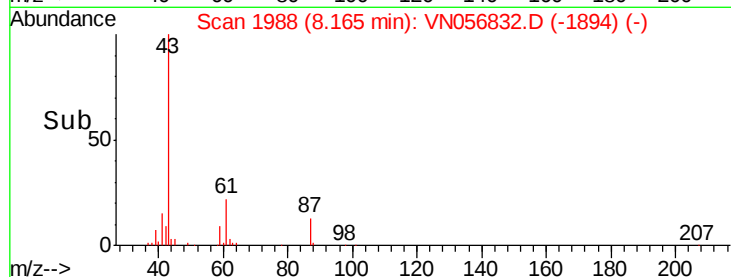
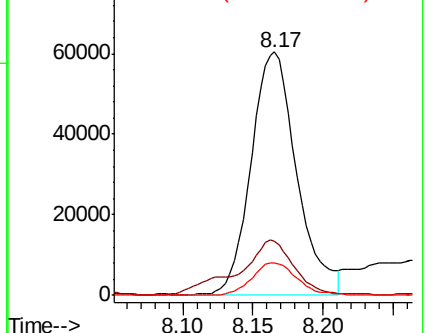
87 13.2 11.1 16.7



Abundance Ion 43.00 (42.70 to 43.70): VN056832.D (-1894) (-)

Ion 61.00 (60.70 to 61.70): VN056832.D (-1894) (-)

Ion 87.00 (86.70 to 87.70): VN056832.D (-1894) (-)



#44

Trichloroethene

Concen: 19.788 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. -0.00 min

Lab File: VN056832.D

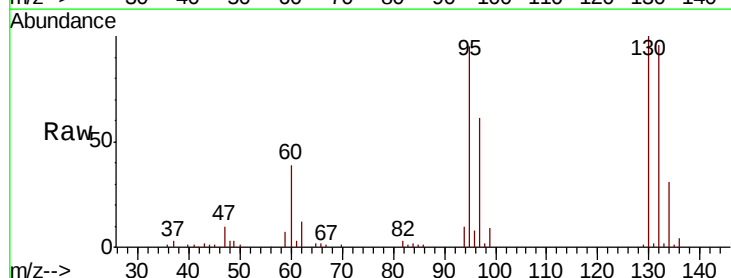
Acq: 19 Jul 2019 15:17

Tgt Ion:130 Resp: 69814

Ion Ratio Lower Upper

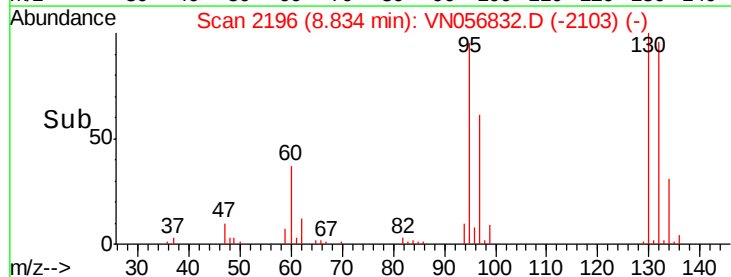
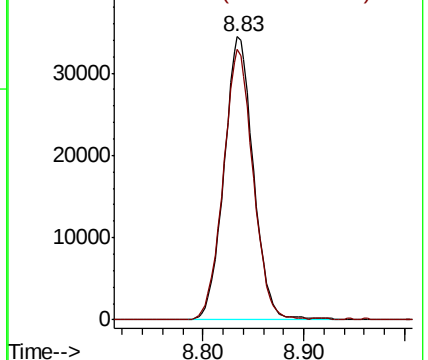
130 100

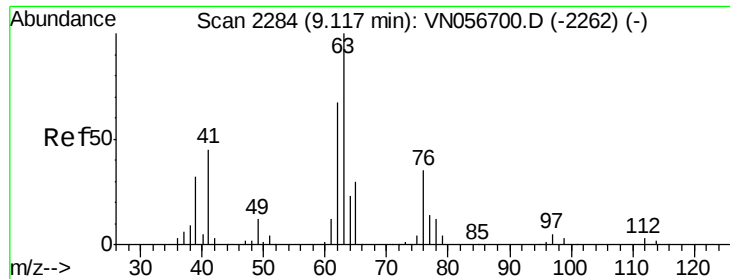
95 95.4 0.0 197.2



Abundance Ion 129.80 (129.50 to 130.50): VN056832.D (-2103) (-)

Ion 94.90 (94.60 to 95.60): VN056832.D (-2103) (-)

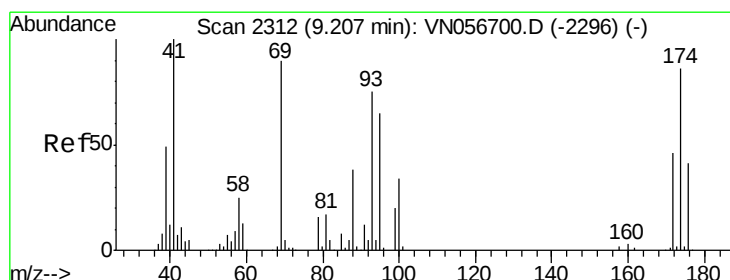
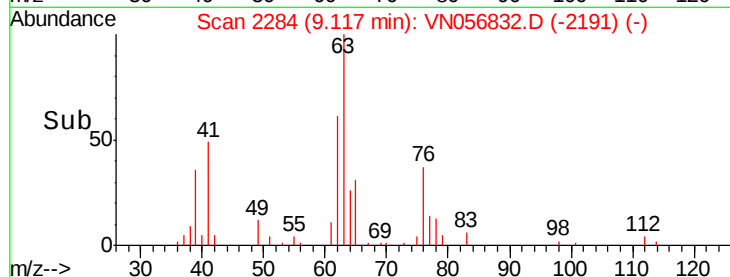
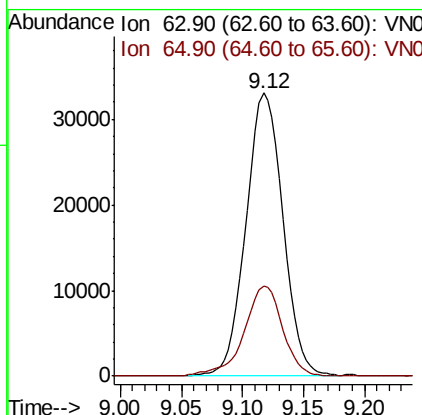
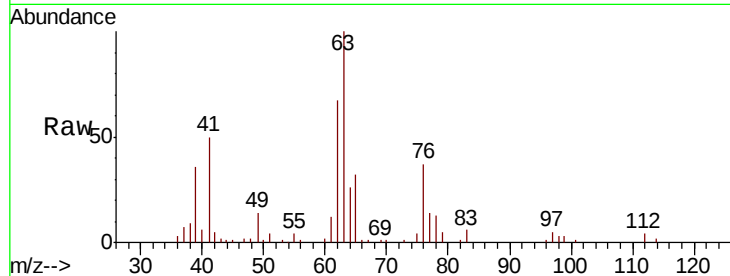




#45
 1,2-Dichloropropane
 Concen: 20.120 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN056832.D
 Acq: 19 Jul 2019 15:17

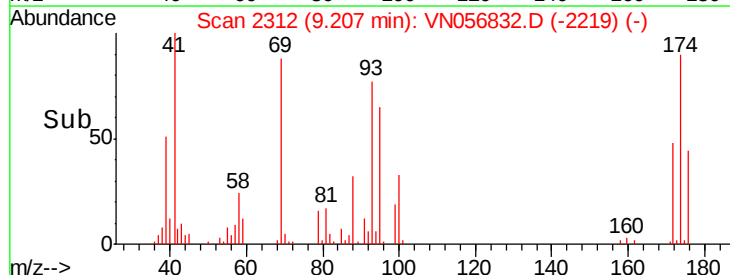
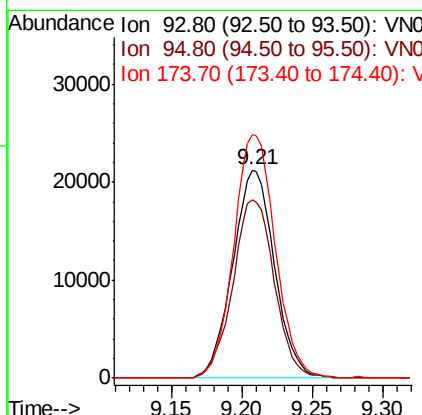
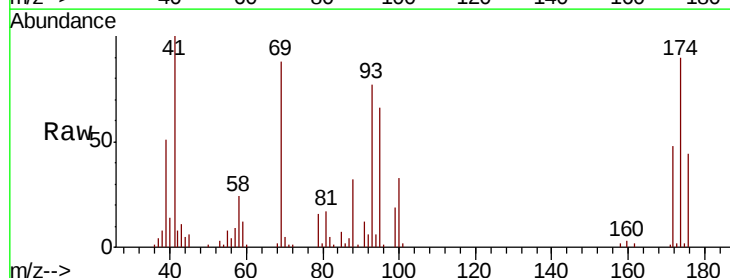
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0719WBSD01

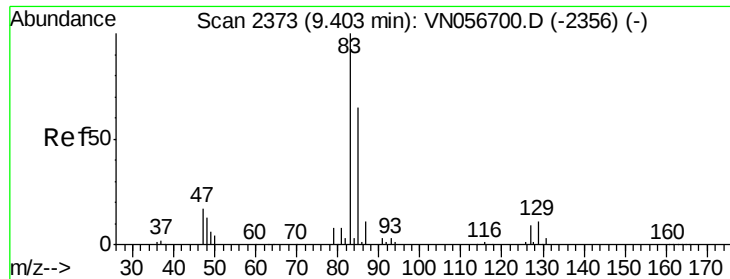
Tot Ion: 63 Resp: 69459
 Ion Ratio Lower Upper
 63 100
 65 31.9 24.0 36.0



#46
 Dibromomethane
 Concen: 20.607 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN056832.D
 Acq: 19 Jul 2019 15:17

Tgt Ion: 93 Resp: 44086
 Ion Ratio Lower Upper
 93 100
 95 84.9 67.4 101.0
 174 116.2 90.3 135.5





#47

Bromodichloromethane

Concen: 20.249 ug/l

RT: 9.40 min Scan# 2372

Delta R.T. -0.00 min

Lab File: VN056832.D

Acq: 19 Jul 2019 15:17

Instrument :

MSVOA_N

ClientSampleId :

VN0719WBSD01

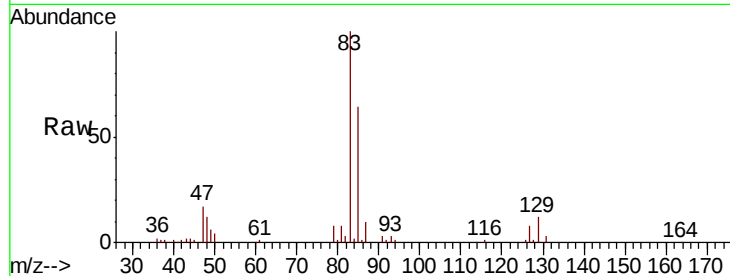
Tot Ion: 83 Resp: 82318

Ion Ratio Lower Upper

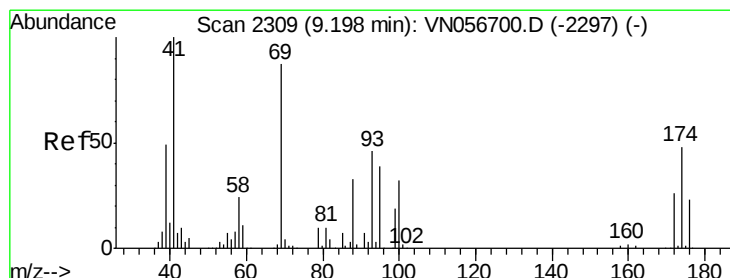
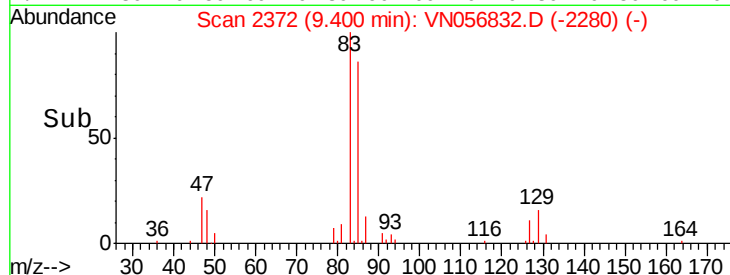
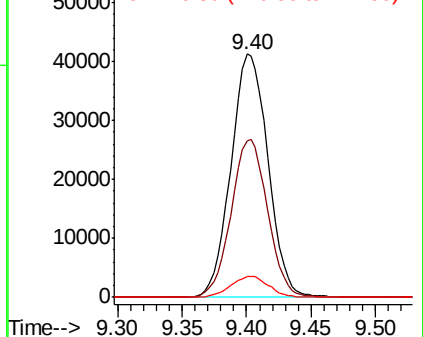
83 100

85 64.4 52.3 78.5

127 8.4 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: 19.712 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN056832.D

Acq: 19 Jul 2019 15:17

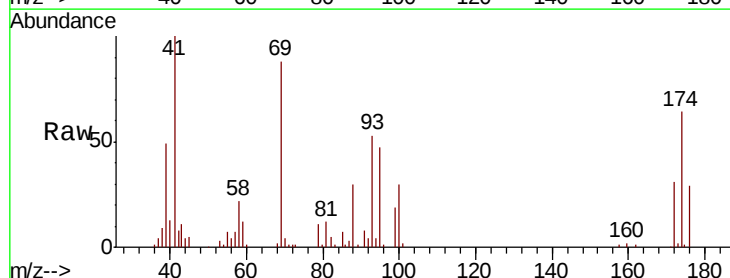
Tgt Ion: 41 Resp: 62629

Ion Ratio Lower Upper

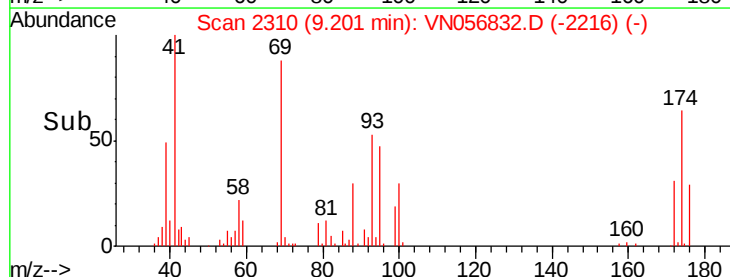
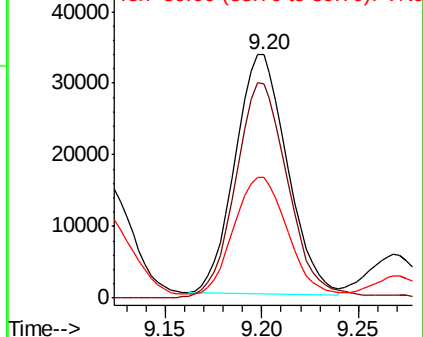
41 100

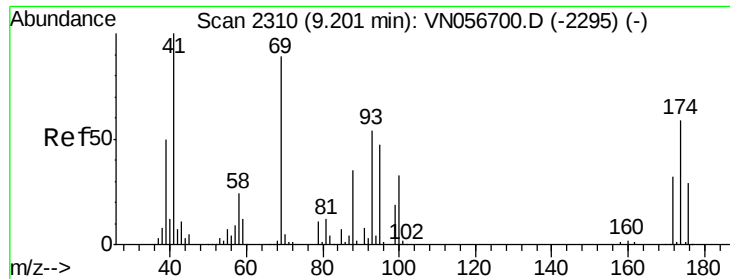
69 90.7 71.4 107.0

39 52.7 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: 331.841 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. -0.00 min

Lab File: VN056832.D

Acq: 19 Jul 2019 15:17

Instrument :

MSVOA_N

ClientSampleId :

VN0719WBSD01

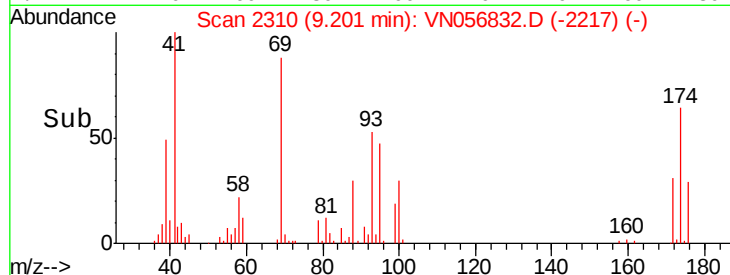
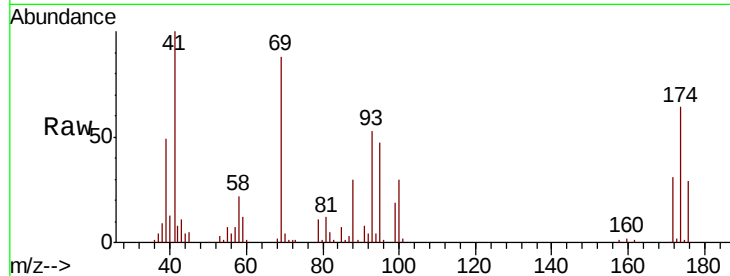
Tot Ion: 88 Resp: 21634

Ion Ratio Lower Upper

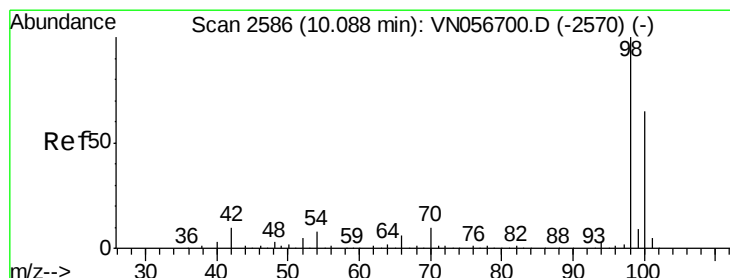
88 100

43 31.5 23.7 35.5

58 74.2 55.6 83.4



Time-->



#50

Toluene-d8

Concen: 49.828 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. -0.00 min

Lab File: VN056832.D

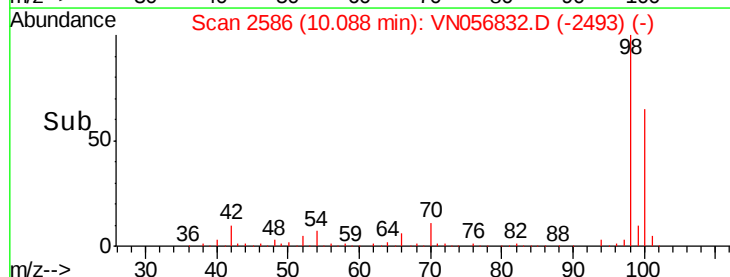
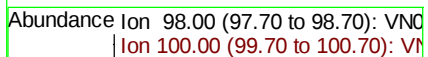
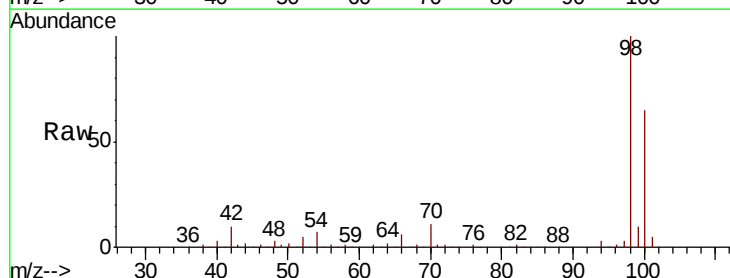
Acq: 19 Jul 2019 15:17

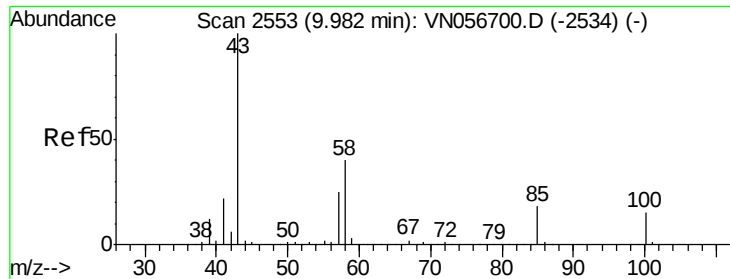
Tgt Ion: 98 Resp: 548778

Ion Ratio Lower Upper

98 100

100 64.5 52.0 78.0





#51

4-Methyl-2-Pentanone

Concen: 99.629 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. -0.00 min

Lab File: VN056832.D

Acq: 19 Jul 2019 15:17

Instrument :

MSVOA_N

ClientSampled :

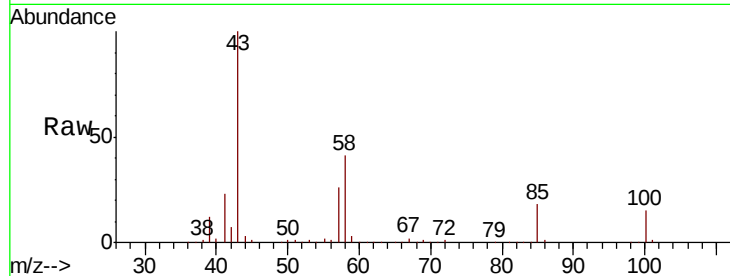
VN0719WBSD01

Tot Ion: 43 Resp: 423940

Ion Ratio Lower Upper

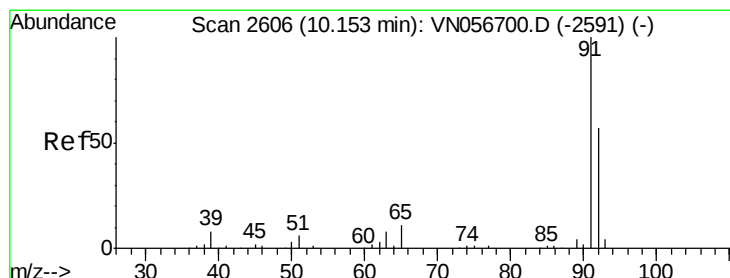
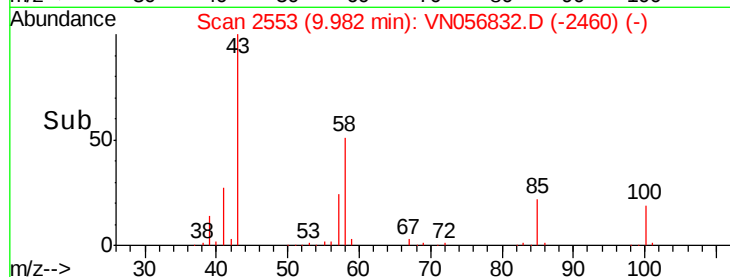
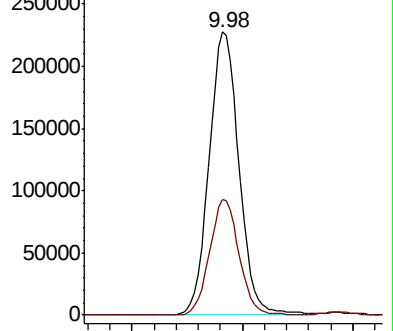
43 100

58 40.6 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: 20.802 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. -0.00 min

Lab File: VN056832.D

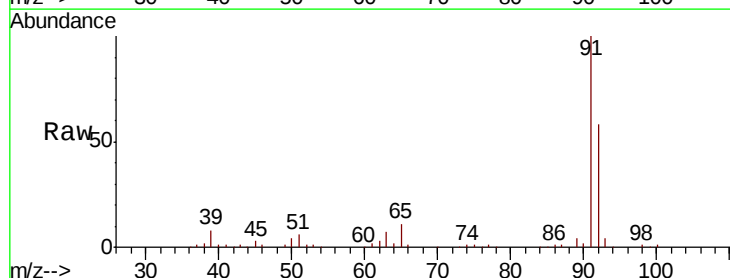
Acq: 19 Jul 2019 15:17

Tgt Ion: 92 Resp: 160505

Ion Ratio Lower Upper

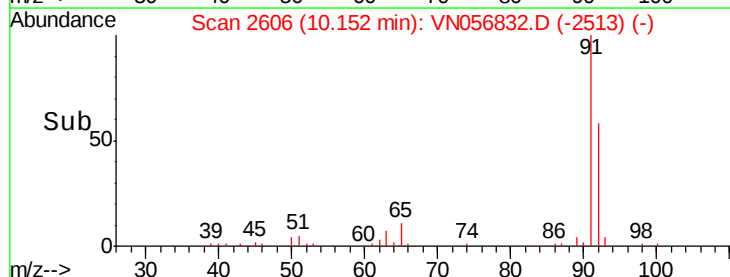
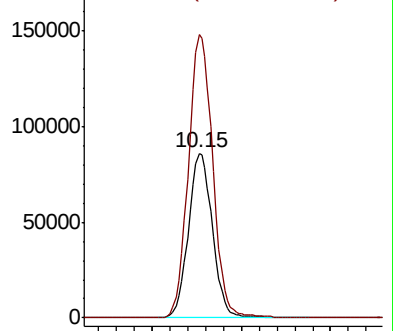
92 100

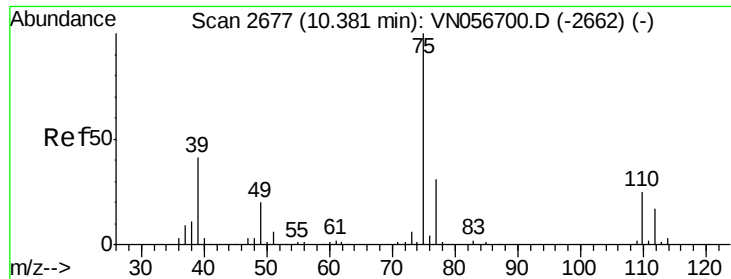
91 174.2 139.9 209.9



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: 19.715 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. -0.00 min

Lab File: VN056832.D

Acq: 19 Jul 2019 15:17

Instrument :

MSVOA_N

ClientSampleId :

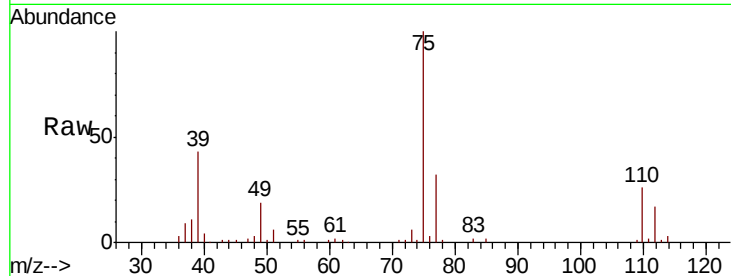
VN0719WBSD01

Tot Ion: 75 Resp: 83617

Ion Ratio Lower Upper

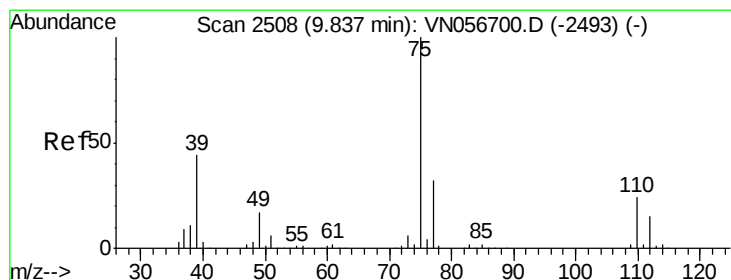
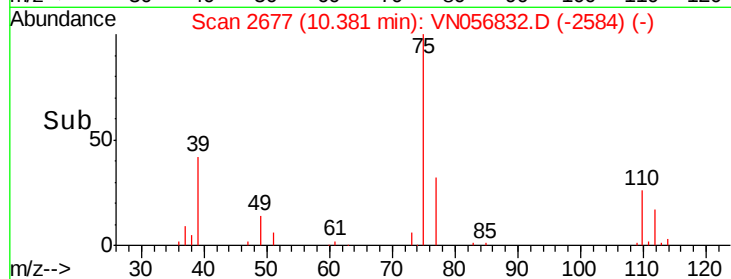
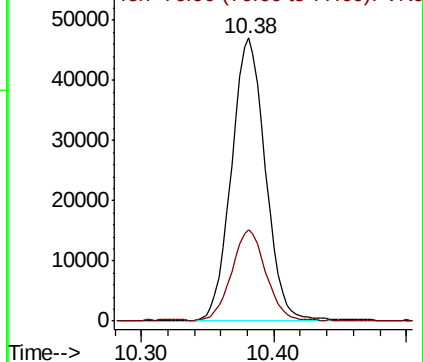
75 100

77 32.2 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: 19.843 ug/l

RT: 9.84 min Scan# 2508

Delta R.T. -0.00 min

Lab File: VN056832.D

Acq: 19 Jul 2019 15:17

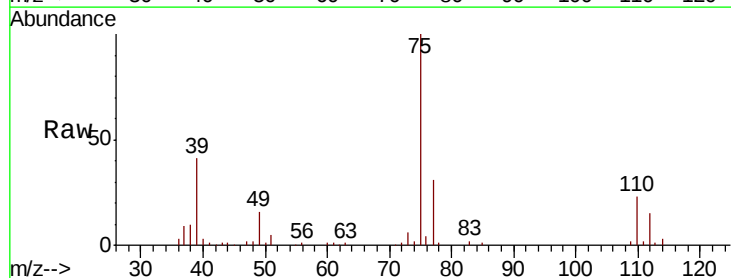
Tgt Ion: 75 Resp: 97664

Ion Ratio Lower Upper

75 100

77 30.7 26.0 39.0

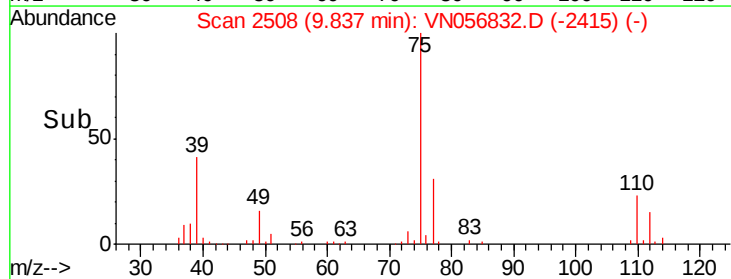
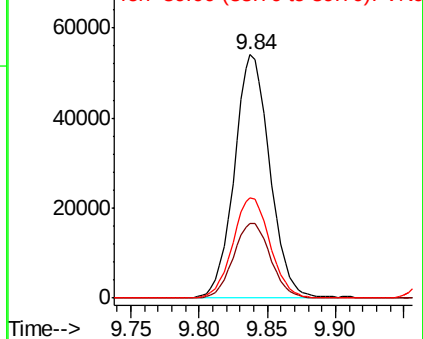
39 41.4 35.1 52.7

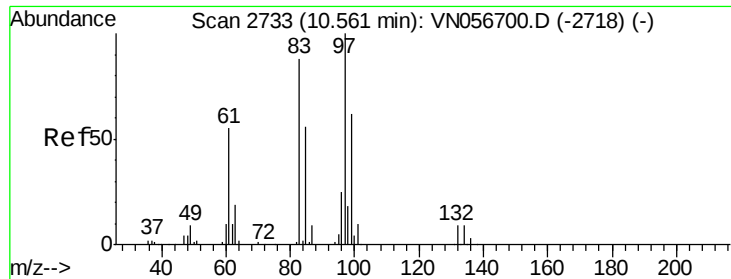


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0





#55

1,1,2-Trichloroethane

Concen: 20.336 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. -0.00 min

Lab File: VN056832.D

Acq: 19 Jul 2019 15:17

Instrument :

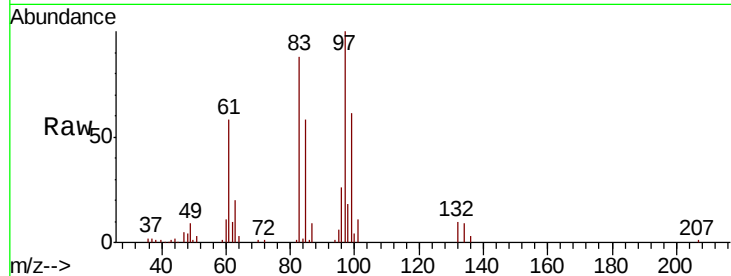
MSVOA_N

ClientSampleId :

VN0719WBSD01

Tot Ion: 97 Resp: 65810

Ion	Ratio	Lower	Upper
97	100		
83	88.1	70.3	105.5
85	58.3	44.8	67.2
99	61.1	49.6	74.4



Abundance

Ion 96.90 (96.60 to 97.60): VN0

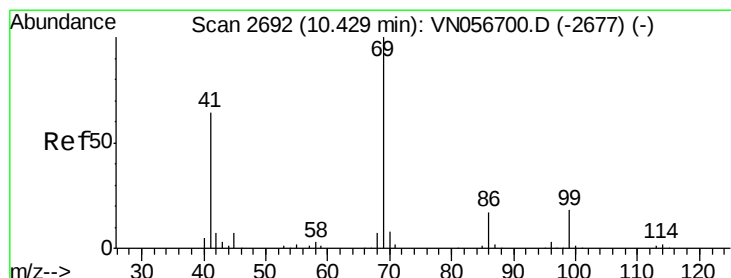
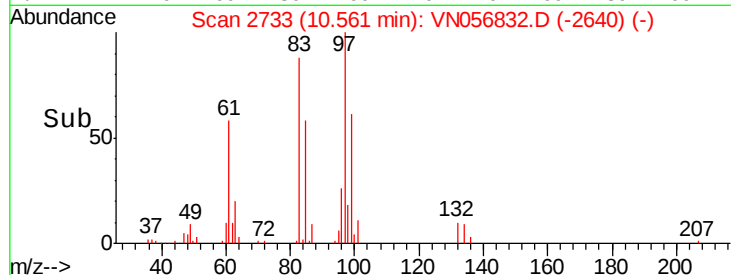
Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

10.56

Time-->



#56

Ethyl methacrylate

Concen: 20.840 ug/l

RT: 10.43 min Scan# 2691

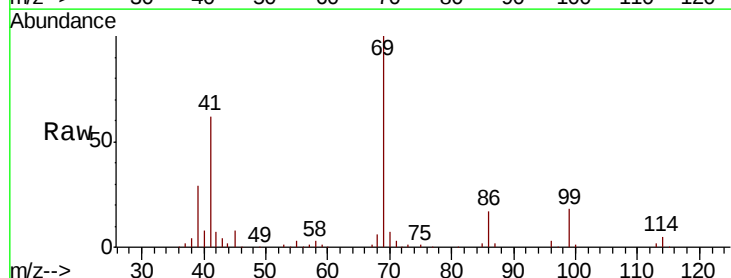
Delta R.T. -0.00 min

Lab File: VN056832.D

Acq: 19 Jul 2019 15:17

Tgt Ion: 69 Resp: 97041

Ion	Ratio	Lower	Upper
69	100		
41	63.2	51.0	76.4
39	29.8	24.6	36.8



Abundance

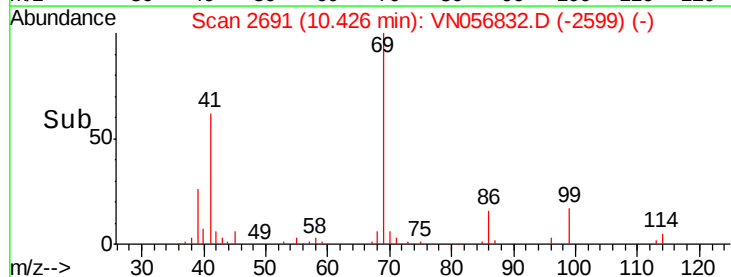
Ion 69.00 (68.70 to 69.70): VN0

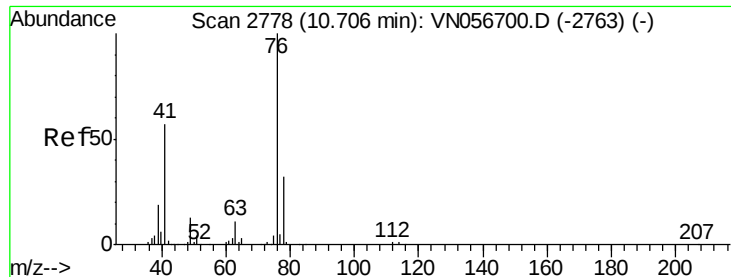
Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

10.43

Time-->





#57

1,3-Dichloropropane

Concen: 20.400 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. -0.00 min

Lab File: VN056832.D

Acq: 19 Jul 2019 15:17

Instrument :

MSVOA_N

ClientSampleId :

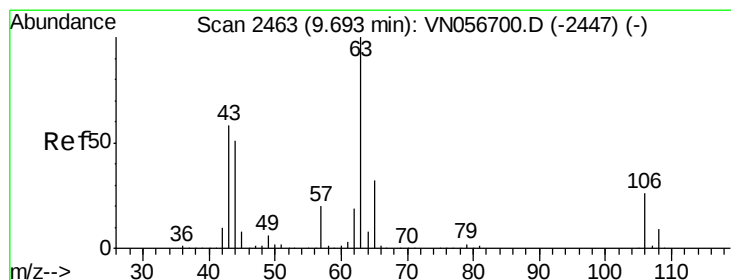
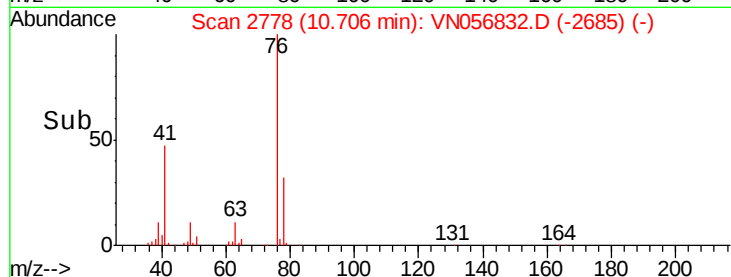
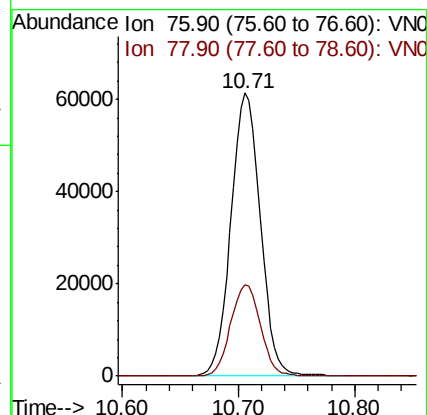
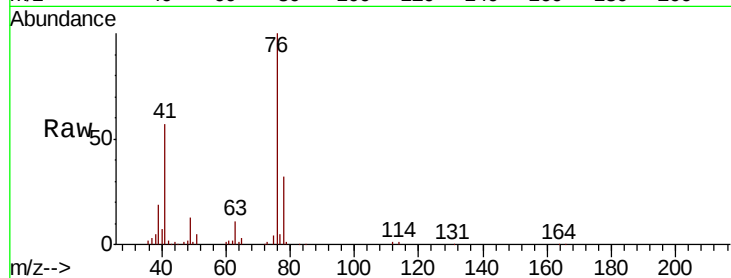
VN0719WBSD01

Tot Ion: 76 Resp: 107823

Ion Ratio Lower Upper

76 100

78 32.8 26.0 39.0



#58

2-Chloroethyl Vinyl ether

Concen: 92.101 ug/l

RT: 9.69 min Scan# 2463

Delta R.T. -0.00 min

Lab File: VN056832.D

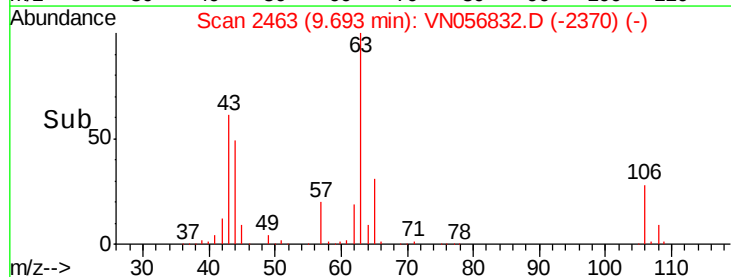
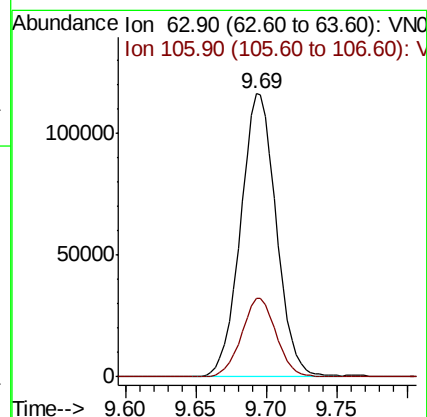
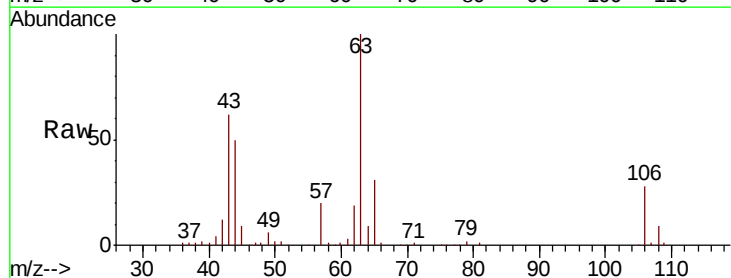
Acq: 19 Jul 2019 15:17

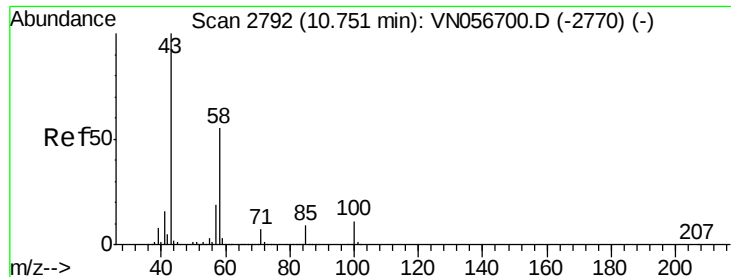
Tgt Ion: 63 Resp: 206227

Ion Ratio Lower Upper

63 100

106 27.0 21.2 31.8

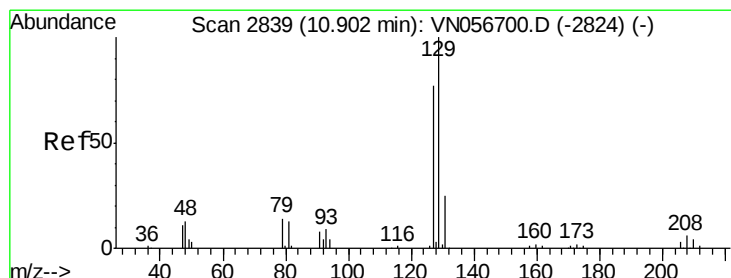
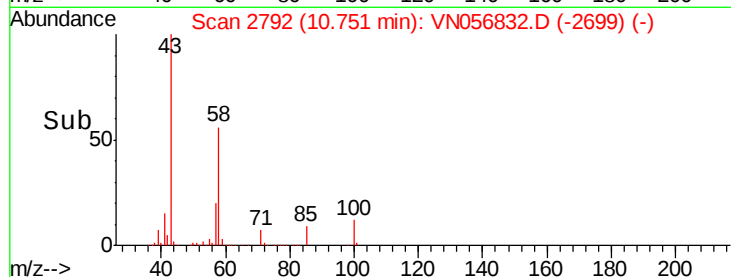
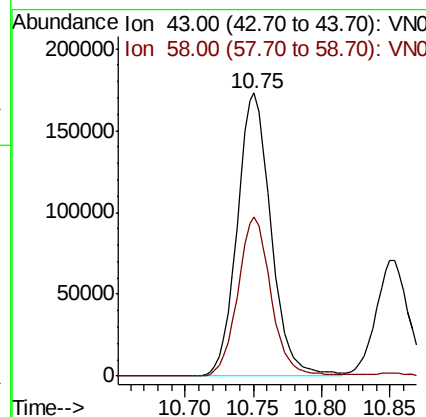
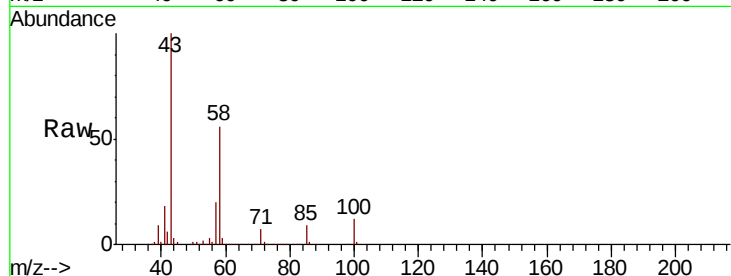




#59
2-Hexanone
Concen: 97.082 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN056832.D
Acq: 19 Jul 2019 15:17

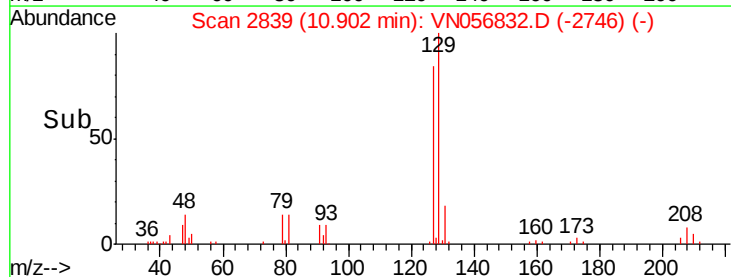
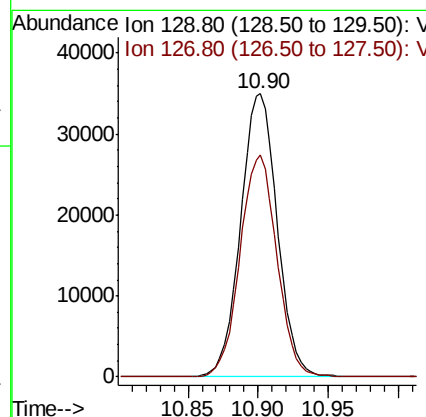
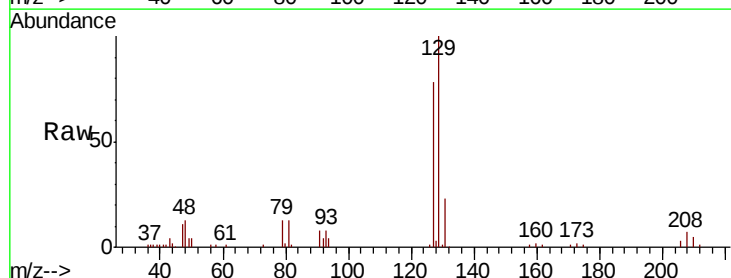
Instrument :
MSVOA_N
ClientSampleId :
VN0719WBSD01

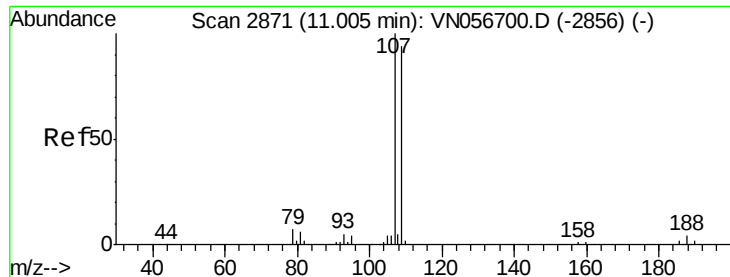
Tot Ion: 43 Resp: 296415
Ion Ratio Lower Upper
43 100
58 55.6 27.9 83.6



#60
Dibromochloromethane
Concen: 19.985 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN056832.D
Acq: 19 Jul 2019 15:17

Tgt Ion: 129 Resp: 63606
Ion Ratio Lower Upper
129 100
127 78.8 38.2 114.6





#61

1,2-Dibromoethane

Concen: 20.971 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. -0.00 min

Lab File: VN056832.D

Acq: 19 Jul 2019 15:17

Instrument :

MSVOA_N

ClientSampleId :

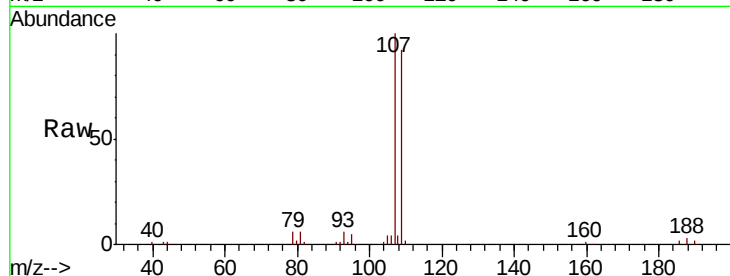
VN0719WBSD01

Tot Ion:107 Resp: 67446

Ion Ratio Lower Upper

107 100

109 93.5 76.2 114.4



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.00

40000

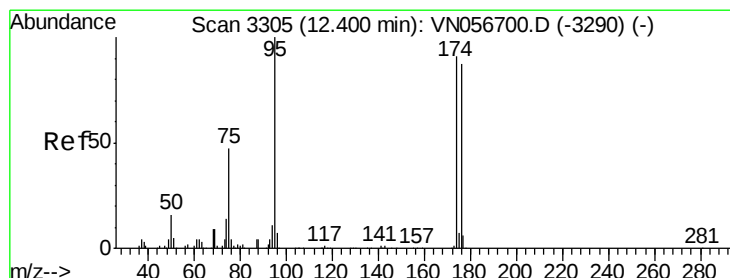
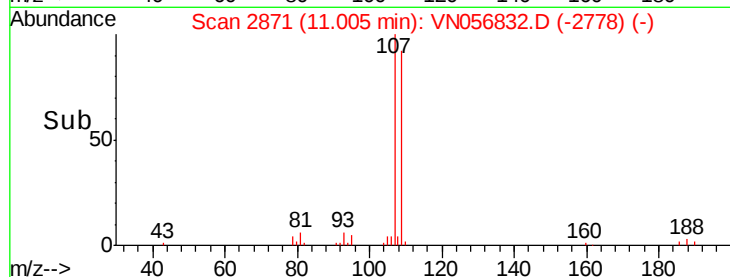
30000

20000

10000

0

Time--> 10.90 11.00 11.10



#62

4-Bromofluorobenzene

Concen: 47.866 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN056832.D

Acq: 19 Jul 2019 15:17

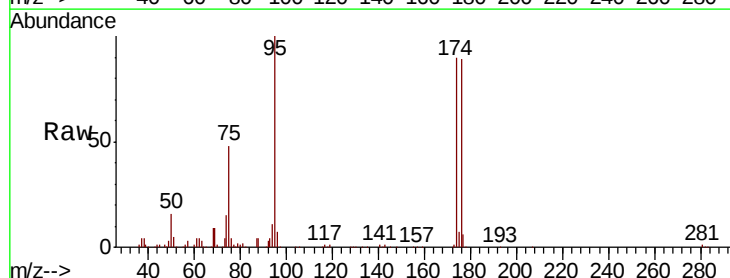
Tgt Ion: 95 Resp: 177778

Ion Ratio Lower Upper

95 100

174 90.8 0.0 180.0

176 88.3 0.0 173.2



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

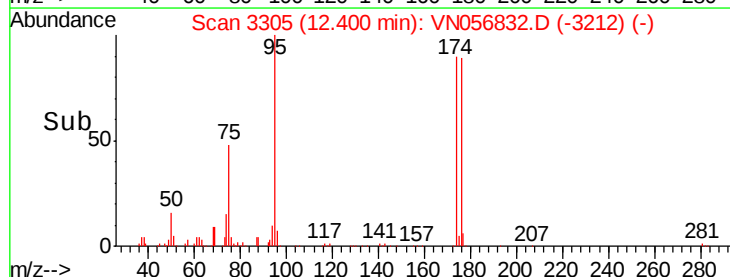
12.40

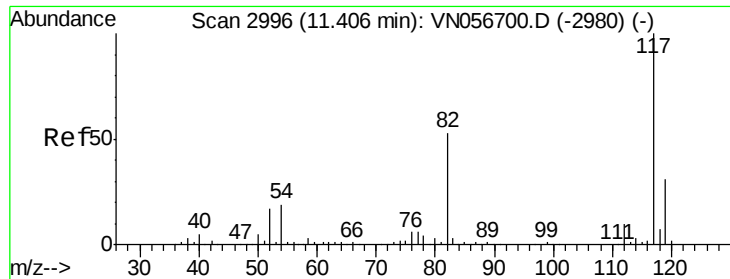
100000

50000

0

Time--> 12.35 12.40 12.45 12.50

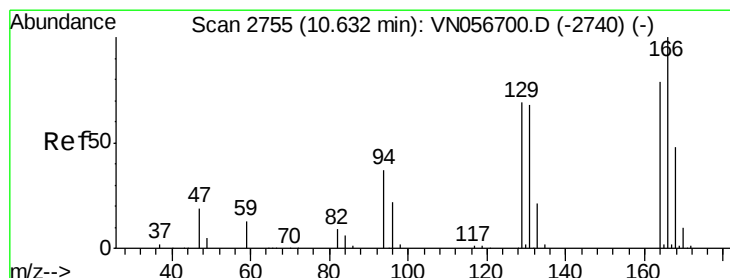
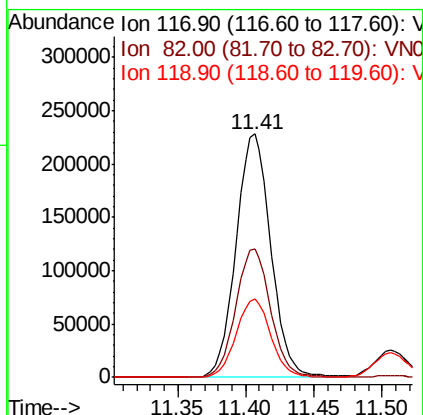
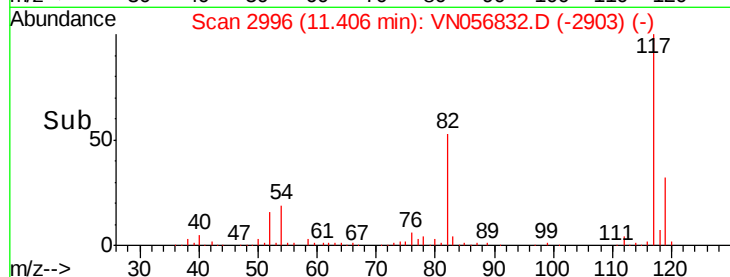
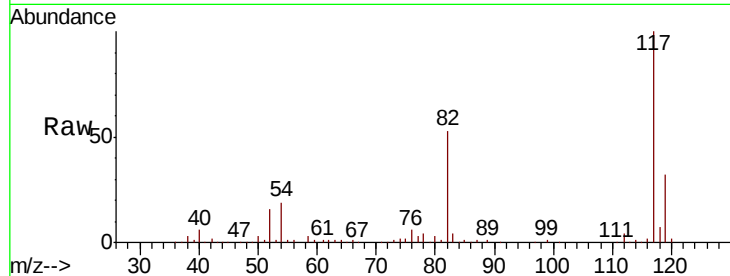




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN056832.D
Acq: 19 Jul 2019 15:17

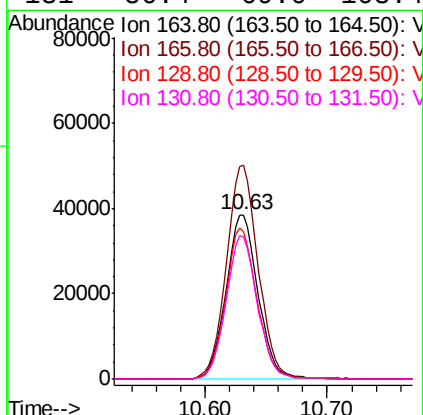
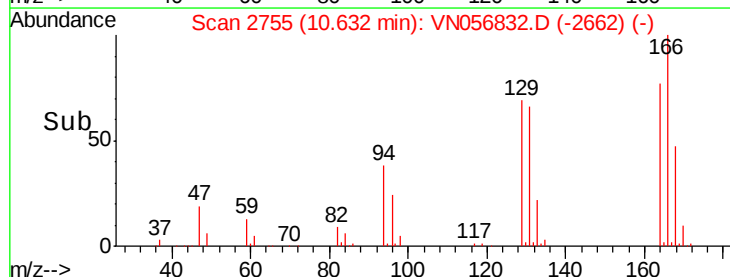
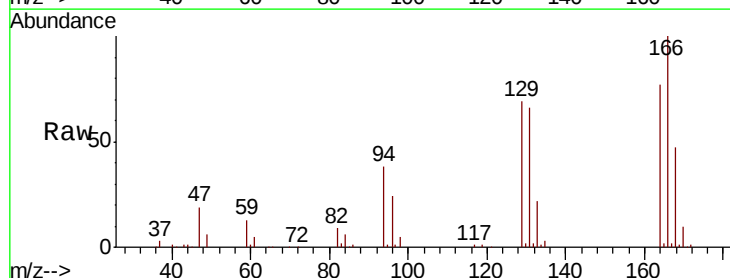
Instrument :
MSVOA_N
ClientSampleId :
VN0719WBSD01

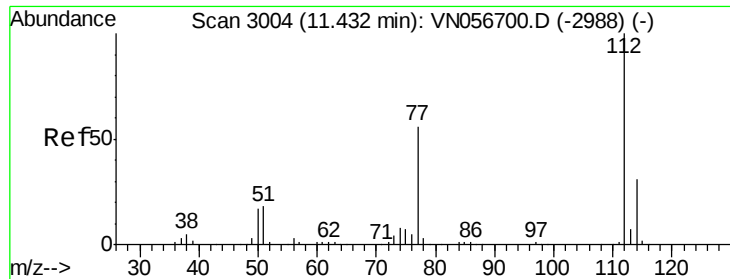
Tot Ion:117 Resp: 403705
Ion Ratio Lower Upper
117 100
82 52.8 42.2 63.2
119 32.2 25.2 37.8



#64
Tetrachloroethene
Concen: 20.282 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN056832.D
Acq: 19 Jul 2019 15:17

Tgt Ion:164 Resp: 70640
Ion Ratio Lower Upper
164 100
166 130.4 101.4 152.2
129 90.0 69.6 104.4
131 86.4 69.0 103.4

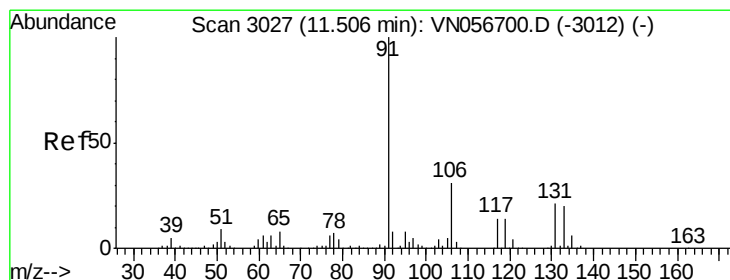
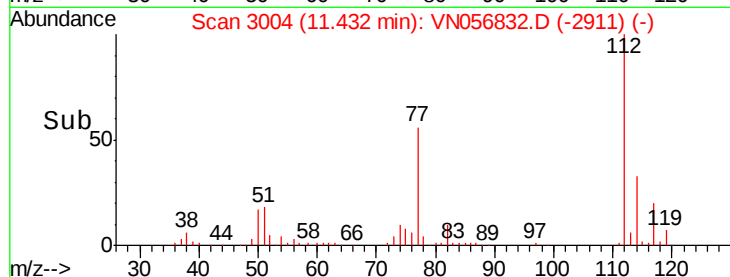
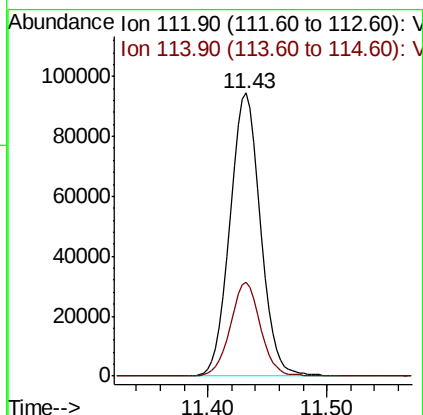
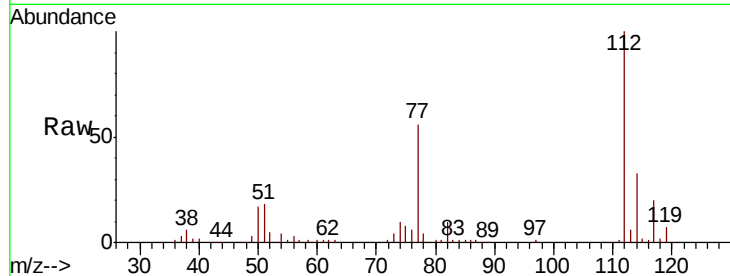




#65
Chlorobenzene
Concen: 20.361 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN056832.D
Acq: 19 Jul 2019 15:17

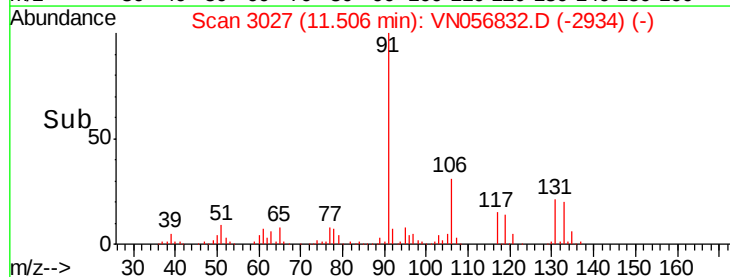
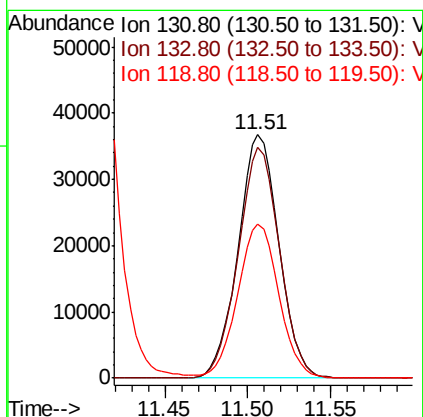
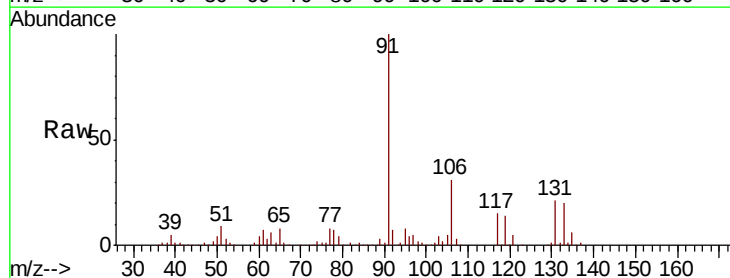
Instrument :
MSVOA_N
ClientSampled :
VN0719WBSD01

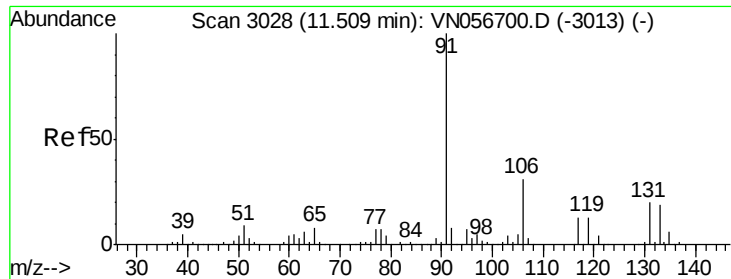
Tot Ion:112 Resp: 168076
Ion Ratio Lower Upper
112 100
114 33.3 25.2 37.8



#66
1,1,1,2-Tetrachloroethane
Concen: 20.687 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN056832.D
Acq: 19 Jul 2019 15:17

Tgt Ion:131 Resp: 62874
Ion Ratio Lower Upper
131 100
133 96.0 46.9 140.7
119 64.1 32.8 98.3

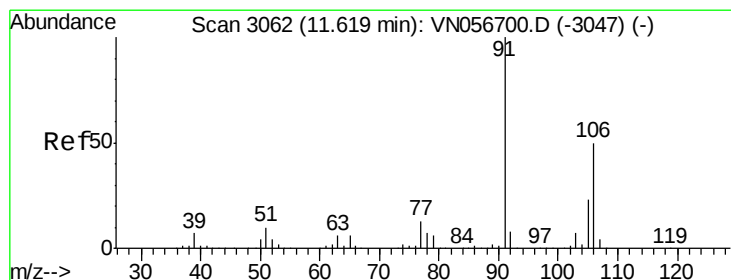
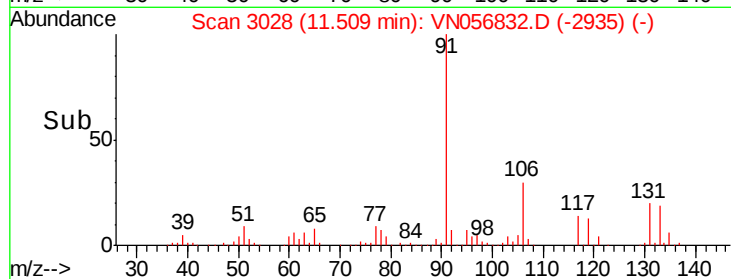
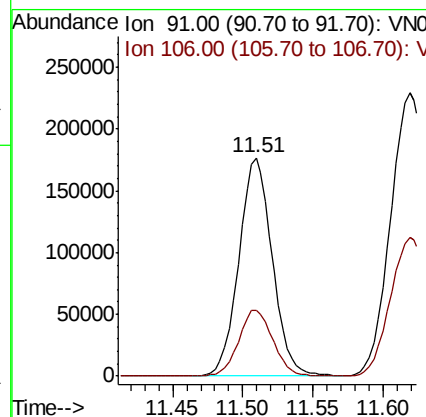
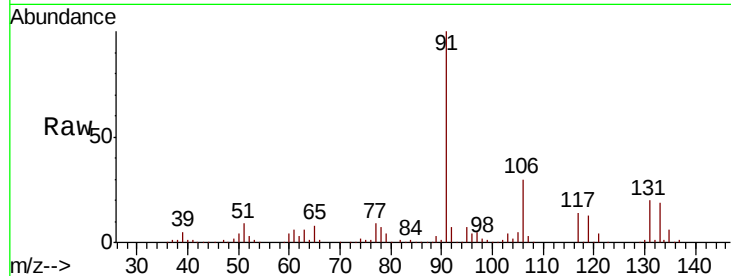




#67
Ethyl Benzene
Concen: 20.232 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN056832.D
Acq: 19 Jul 2019 15:17

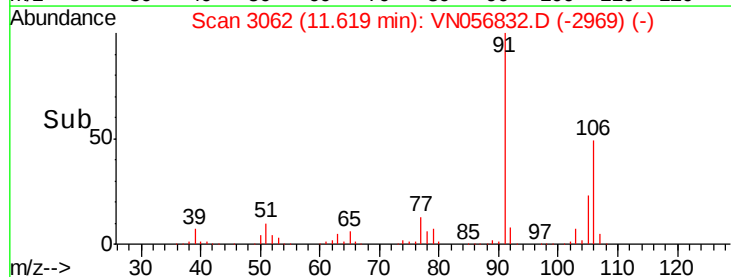
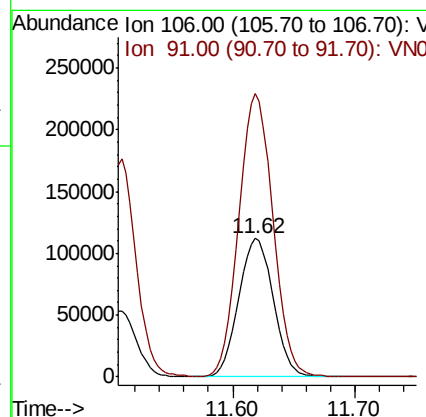
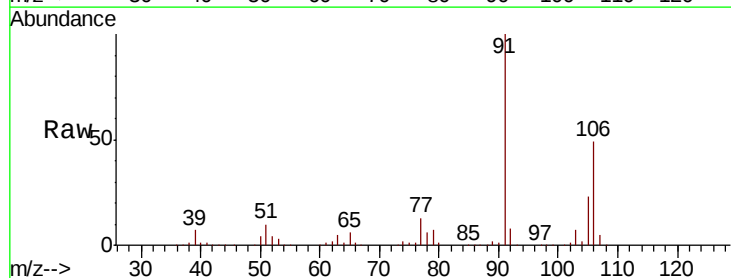
Instrument :
MSVOA_N
ClientSampled :
VN0719WBSD01

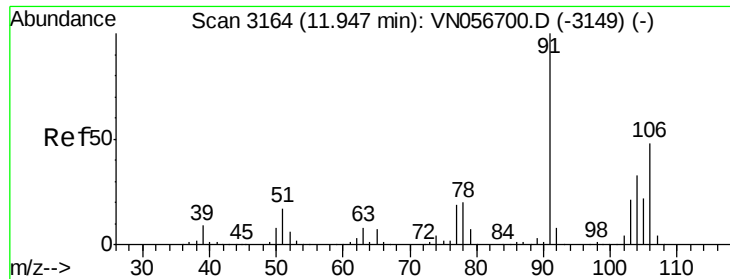
Tot Ion: 91 Resp: 293499
Ion Ratio Lower Upper
91 100
106 30.4 24.8 37.2



#68
m/p-Xylenes
Concen: 40.639 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN056832.D
Acq: 19 Jul 2019 15:17

Tgt Ion: 106 Resp: 220329
Ion Ratio Lower Upper
106 100
91 201.4 160.5 240.7

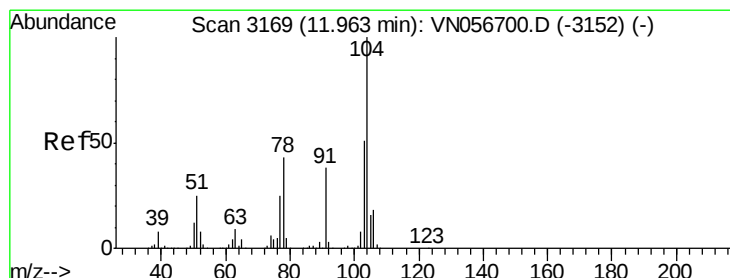
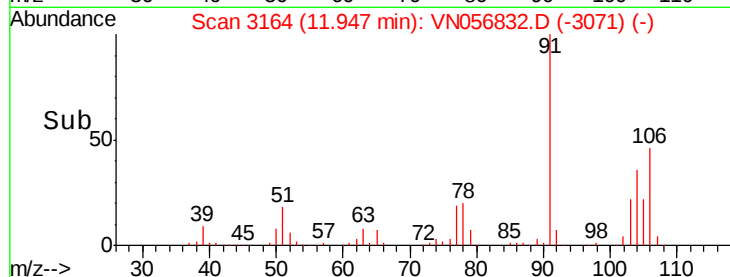
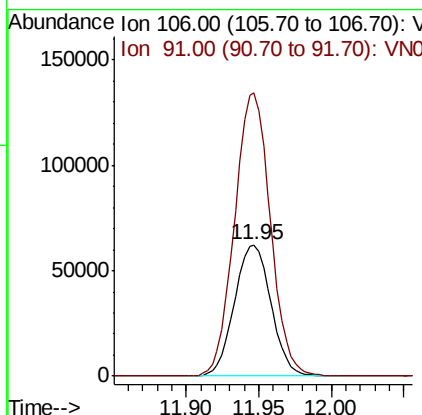
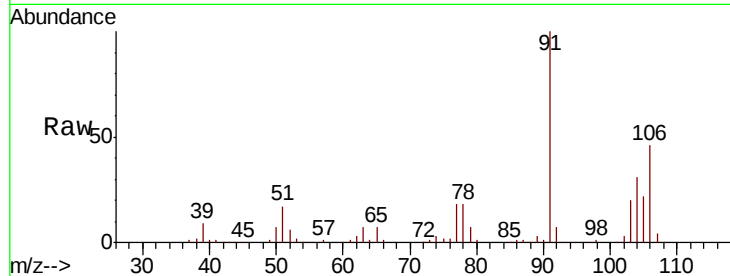




#69
o-Xylene
Concen: 20.513 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN056832.D
Acq: 19 Jul 2019 15:17

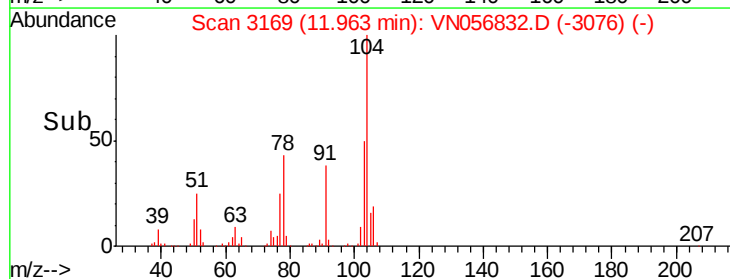
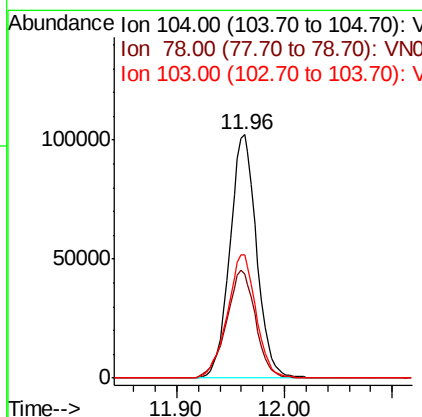
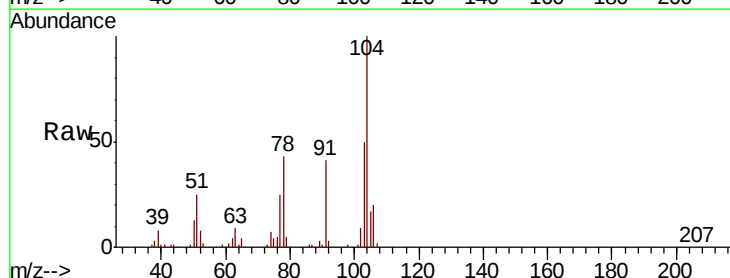
Instrument :
MSVOA_N
ClientSampled :
VN0719WBSD01

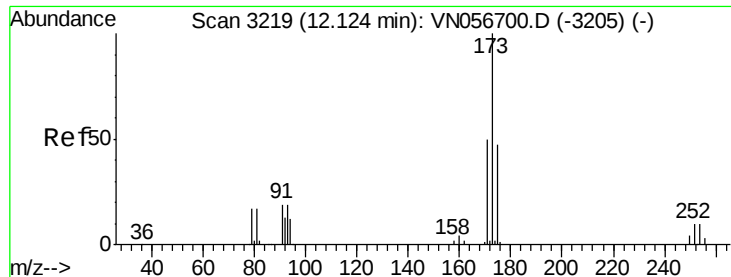
Tot Ion:106 Resp: 109336
Ion Ratio Lower Upper
106 100
91 211.5 105.6 316.8



#70
Styrene
Concen: 20.527 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN056832.D
Acq: 19 Jul 2019 15:17

Tgt Ion:104 Resp: 176884
Ion Ratio Lower Upper
104 100
78 48.1 38.6 57.8
103 54.5 44.2 66.4

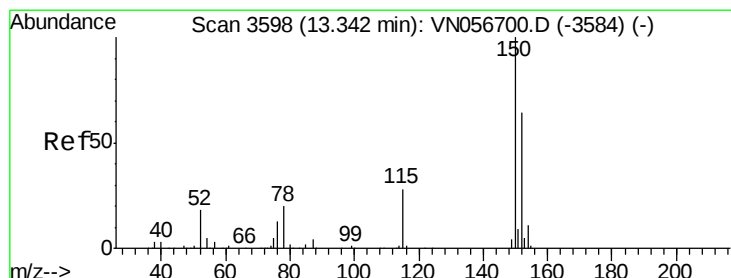
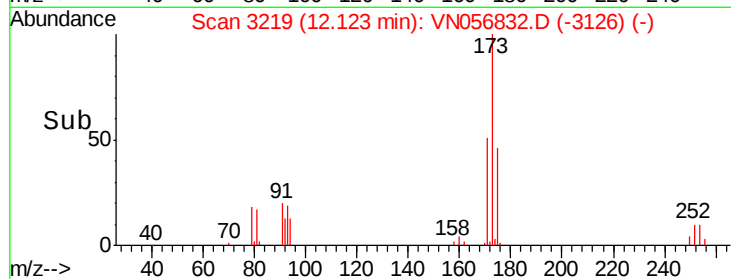
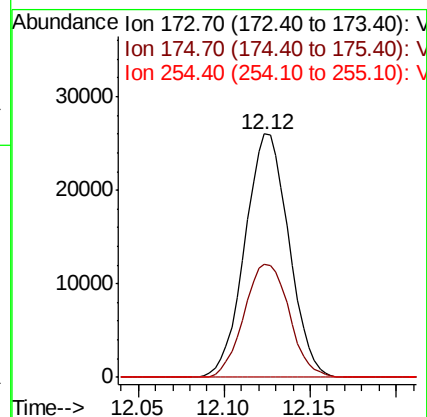
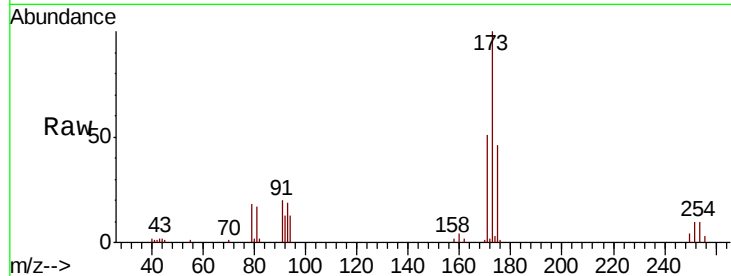




#71
Bromoform
Concen: 20.012 ug/l
RT: 12.12 min Scan# 3219
Delta R.T. -0.00 min
Lab File: VN056832.D
Acq: 19 Jul 2019 15:17

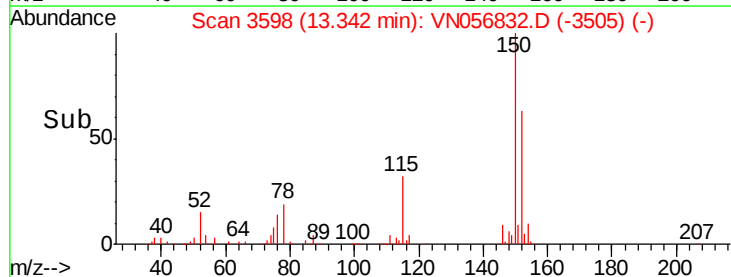
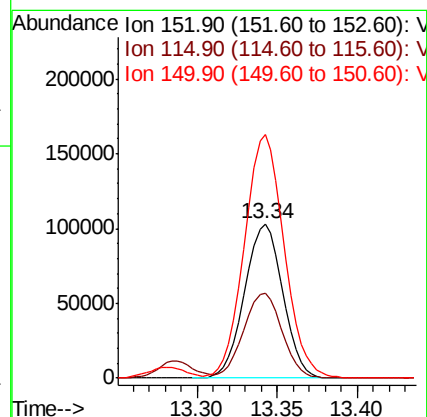
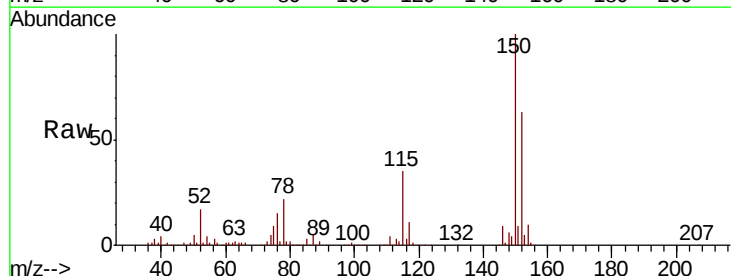
Instrument :
MSVOA_N
ClientSampleId :
VN0719WBSD01

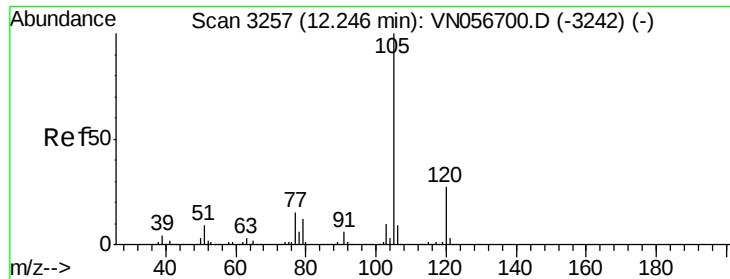
Tot Ion:173 Resp: 46279
Ion Ratio Lower Upper
173 100
175 47.6 23.8 71.4
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN056832.D
Acq: 19 Jul 2019 15:17

Tgt Ion:152 Resp: 167737
Ion Ratio Lower Upper
152 100
115 55.5 28.2 84.7
150 163.8 0.0 345.8





#73

Isopropylbenzene

Concen: 21.036 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. -0.00 min

Lab File: VN056832.D

Acq: 19 Jul 2019 15:17

Instrument :

MSVOA_N

ClientSampleId :

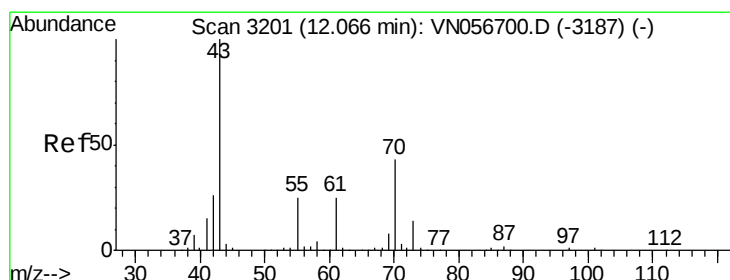
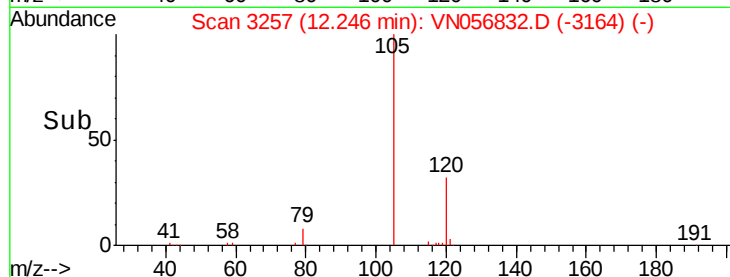
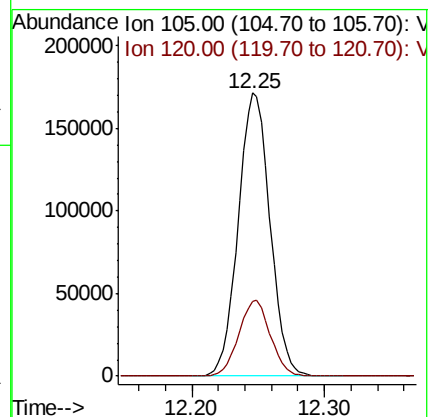
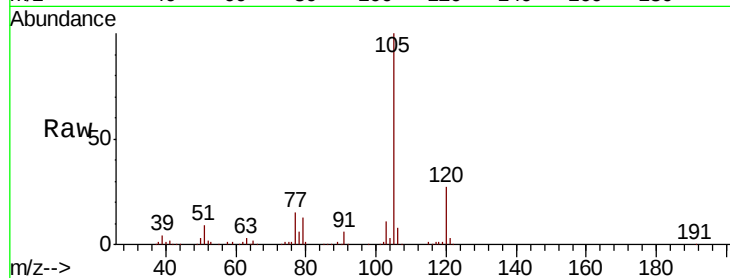
VN0719WBSD01

Tot Ion:105 Resp: 284504

Ion Ratio Lower Upper

105 100

120 26.7 13.4 40.2



#74

N-ethyl acetate

Concen: 19.871 ug/l

RT: 12.07 min Scan# 3201

Delta R.T. -0.00 min

Lab File: VN056832.D

Acq: 19 Jul 2019 15:17

Tgt Ion: 43 Resp: 100091

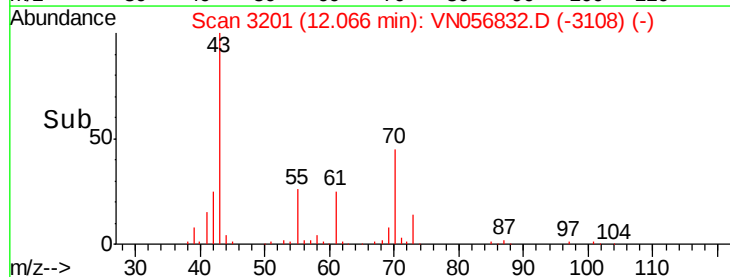
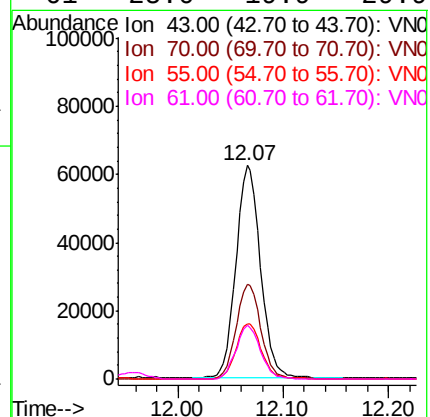
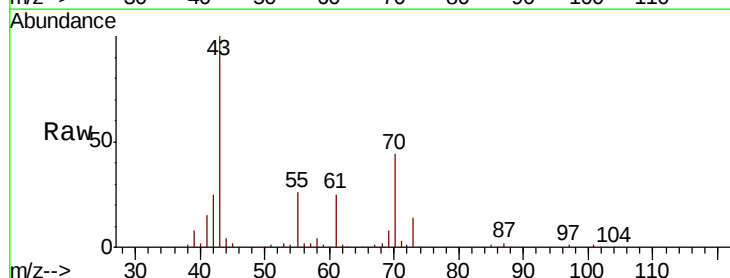
Ion Ratio Lower Upper

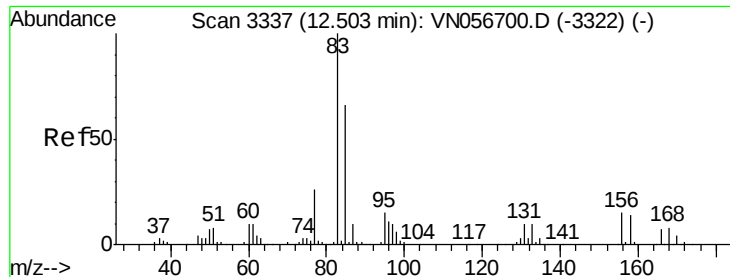
43 100

70 44.9 34.5 51.7

55 27.1 20.2 30.2

61 25.0 19.9 29.9





#75

1,1,2,2-Tetrachloroethane

Concen: 22.791 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VN056832.D

Acq: 19 Jul 2019 15:17

Instrument :

MSVOA_N

ClientSampled :

VN0719WBSD01

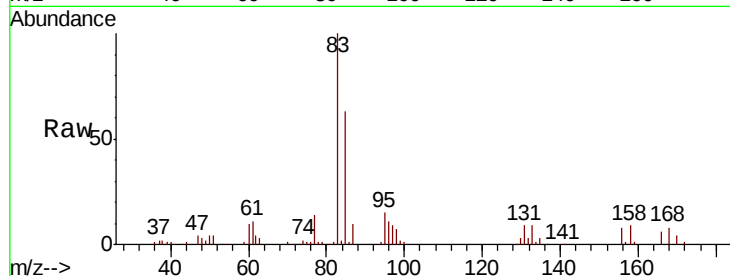
Tot Ion: 83 Resp: 93402

Ion Ratio Lower Upper

83 100

131 10.0 5.3 15.8

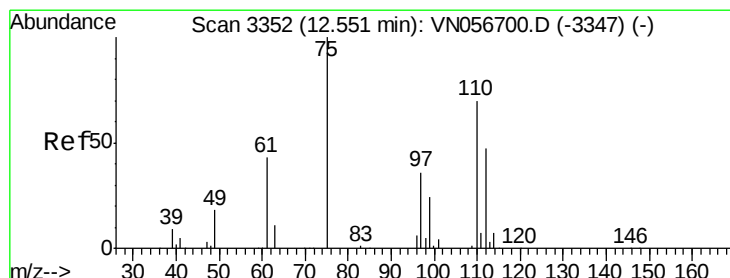
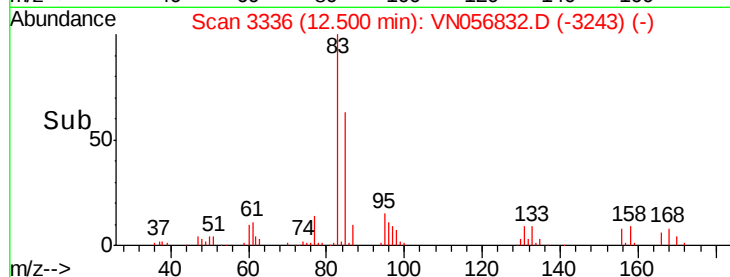
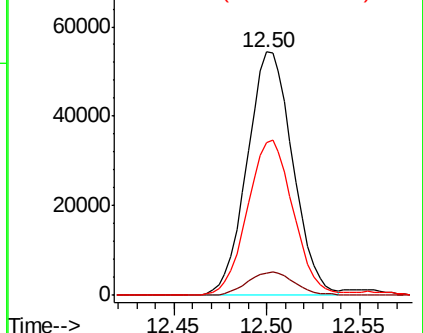
85 63.8 32.6 97.8



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 29.675 ug/l

RT: 12.55 min Scan# 3352

Delta R.T. -0.00 min

Lab File: VN056832.D

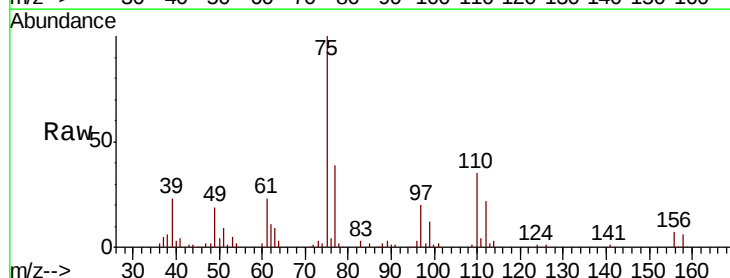
Acq: 19 Jul 2019 15:17

Tgt Ion: 75 Resp: 108867

Ion Ratio Lower Upper

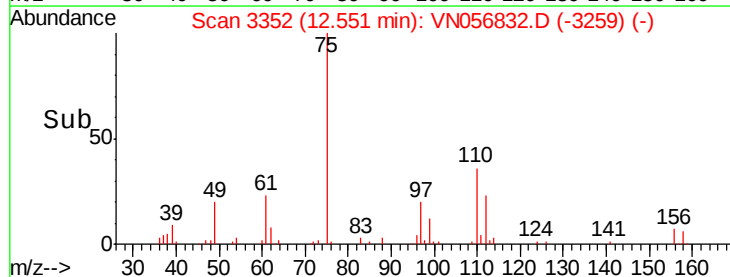
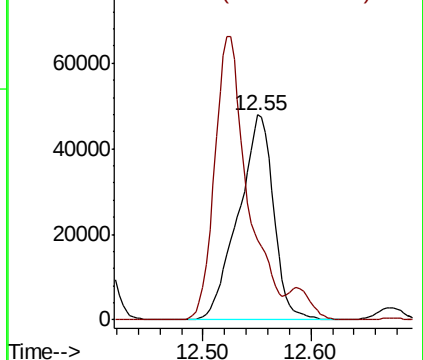
75 100

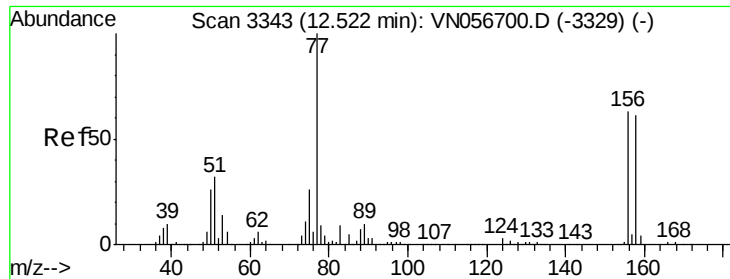
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 21.554 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN056832.D

Acq: 19 Jul 2019 15:17

Instrument :

MSVOA_N

ClientSampleId :

VN0719WBSD01

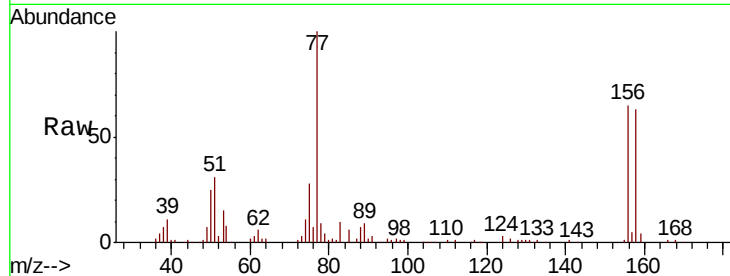
Tot Ion:156 Resp: 76248

Ion Ratio Lower Upper

156 100

77 183.3 97.2 291.6

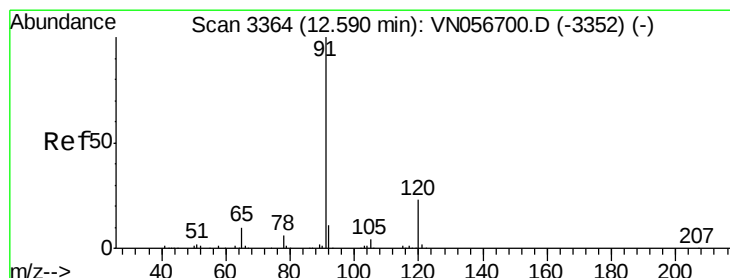
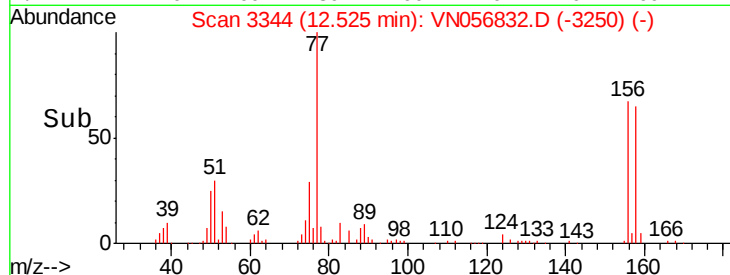
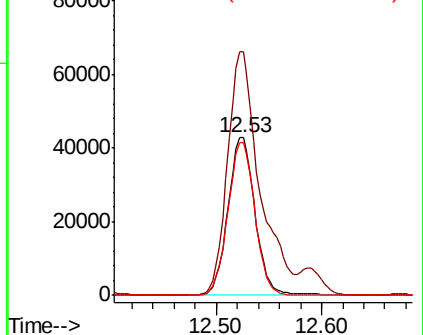
158 95.8 48.9 146.8



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: 20.510 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN056832.D

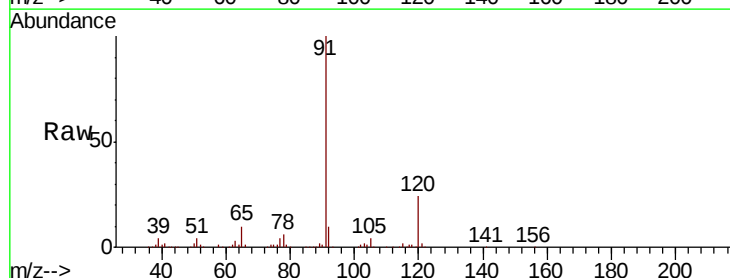
Acq: 19 Jul 2019 15:17

Tgt Ion: 91 Resp: 307959

Ion Ratio Lower Upper

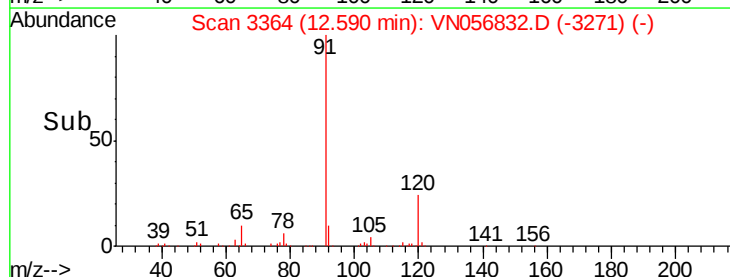
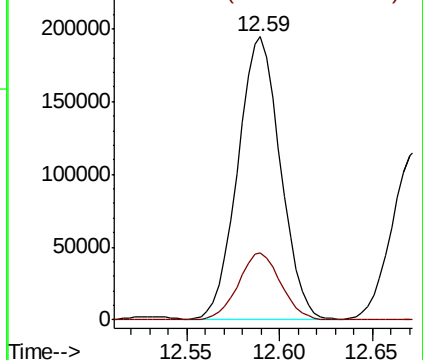
91 100

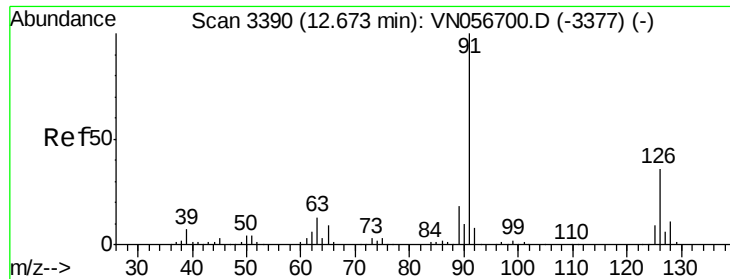
120 23.7 11.8 35.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

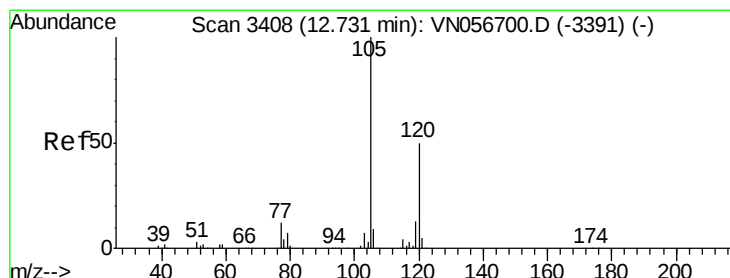
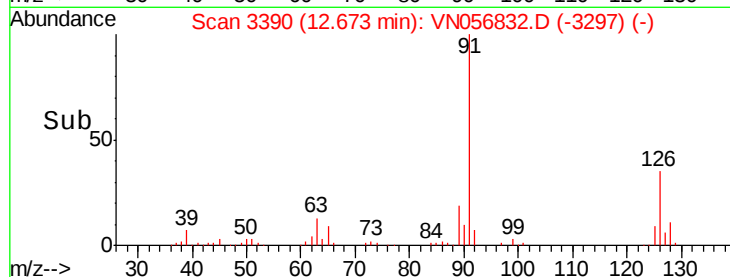
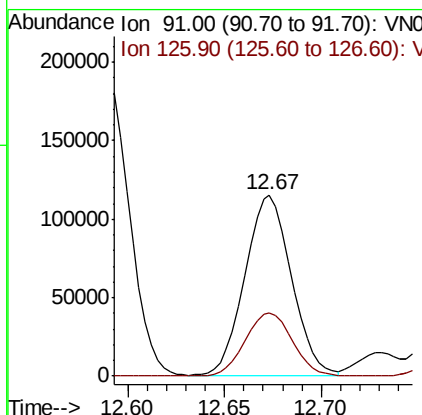
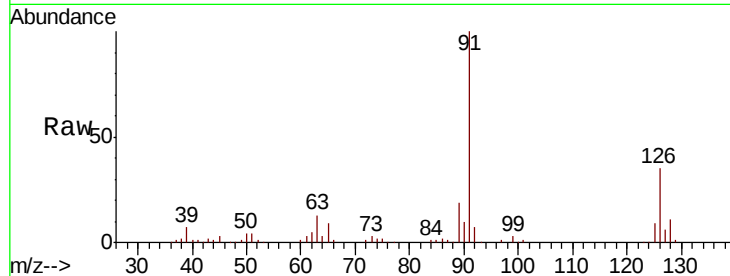




#79
 2-Chlorotoluene
 Concen: 22.302 ug/l
 RT: 12.67 min Scan# 3390
 Delta R.T. 0.00 min
 Lab File: VN056832.D
 Acq: 19 Jul 2019 15:17

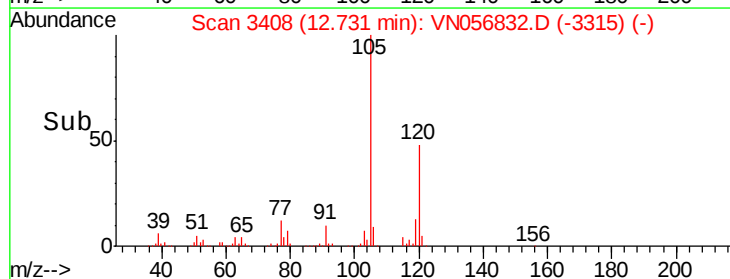
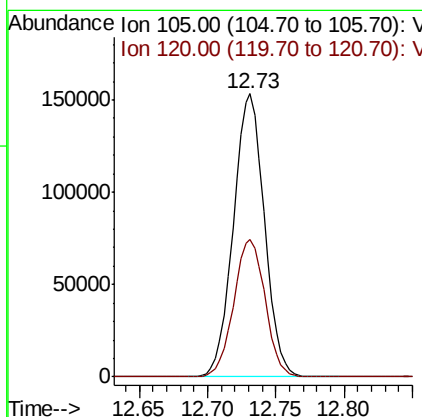
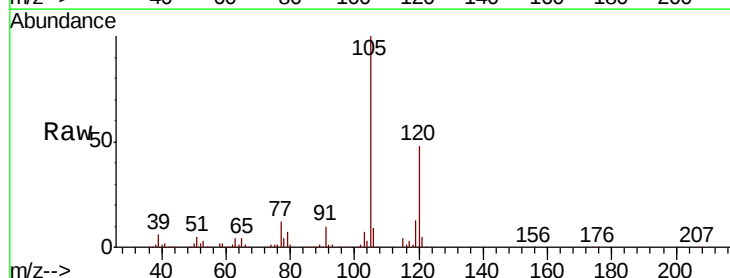
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0719WBSD01

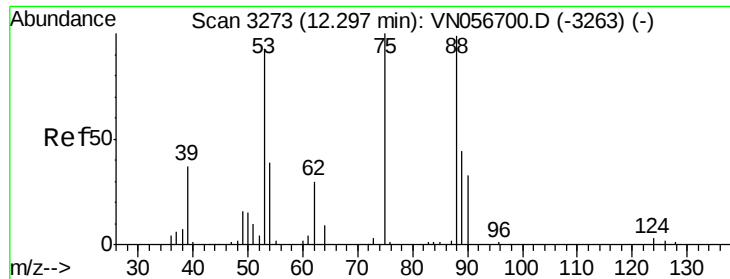
Tot Ion: 91 Resp: 192582
 Ion Ratio Lower Upper
 91 100
 126 35.6 17.9 53.7



#80
 1,3,5-Trimethylbenzene
 Concen: 21.102 ug/l
 RT: 12.73 min Scan# 3408
 Delta R.T. -0.00 min
 Lab File: VN056832.D
 Acq: 19 Jul 2019 15:17

Tgt Ion: 105 Resp: 241890
 Ion Ratio Lower Upper
 105 100
 120 49.1 24.8 74.3





#81

trans-1,4-Dichloro-2-butene

Concen: 19.316 ug/l

RT: 12.30 min Scan# 3273

Delta R.T. -0.00 min

Lab File: VN056832.D

Acq: 19 Jul 2019 15:17

Instrument :

MSVOA_N

ClientSampleId :

VN0719WBSD01

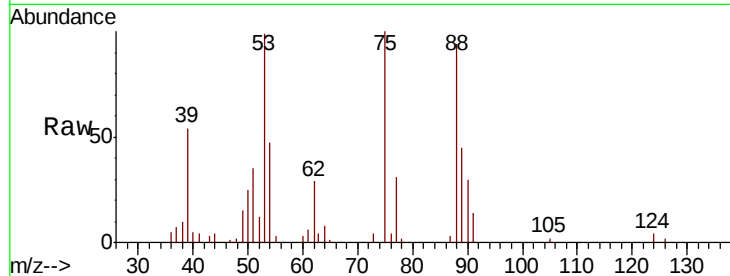
Tot Ion: 75 Resp: 22946

Ion Ratio Lower Upper

75 100

53 96.3 73.7 110.5

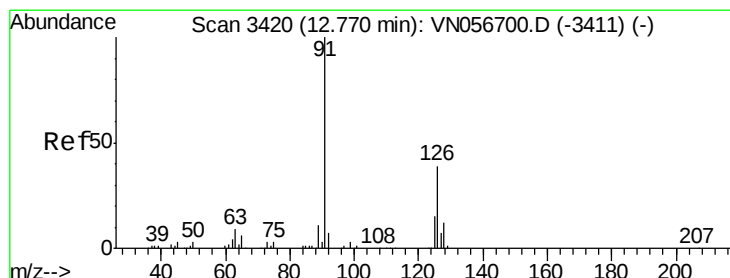
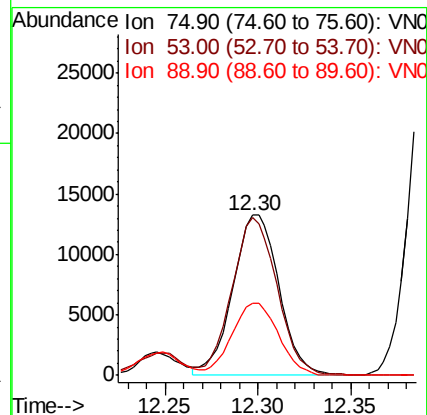
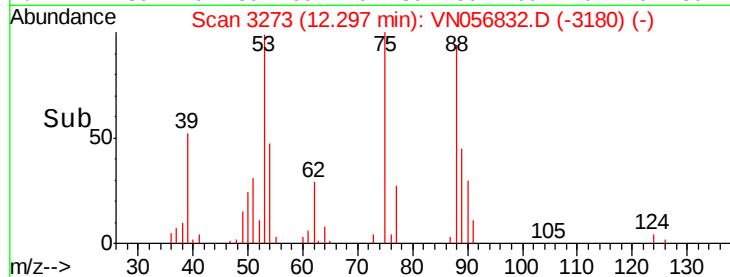
89 45.5 36.2 54.2



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: 20.713 ug/l

RT: 12.77 min Scan# 3420

Delta R.T. -0.00 min

Lab File: VN056832.D

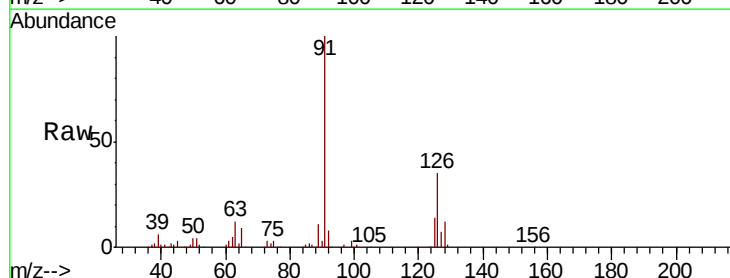
Acq: 19 Jul 2019 15:17

Tgt Ion: 91 Resp: 182513

Ion Ratio Lower Upper

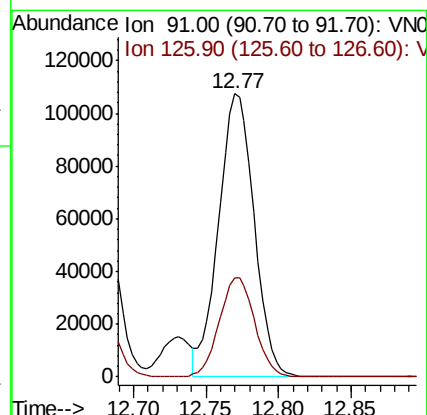
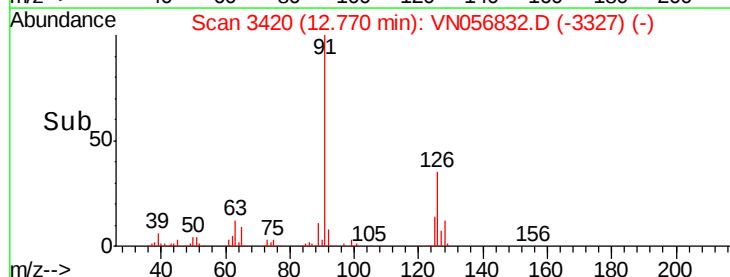
91 100

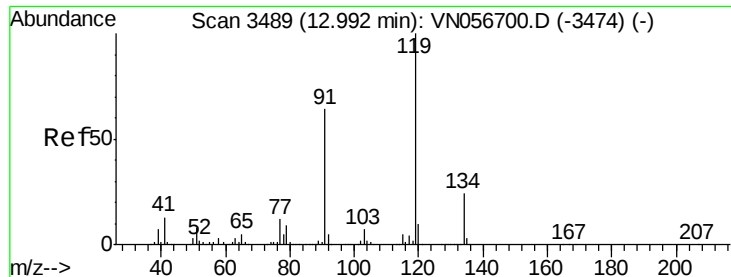
126 35.0 17.6 52.8



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

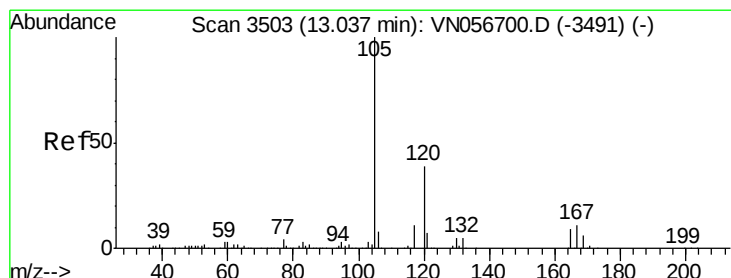
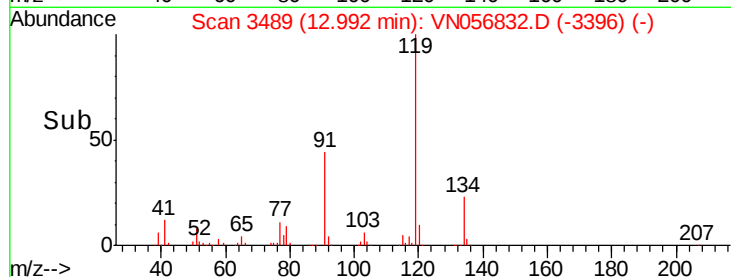
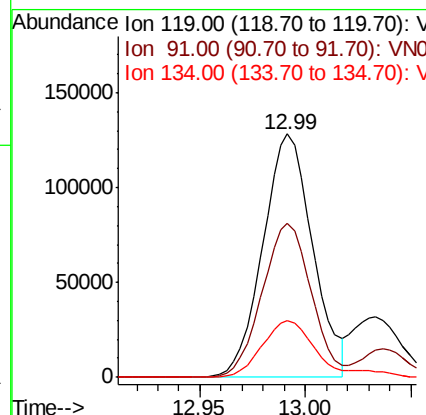
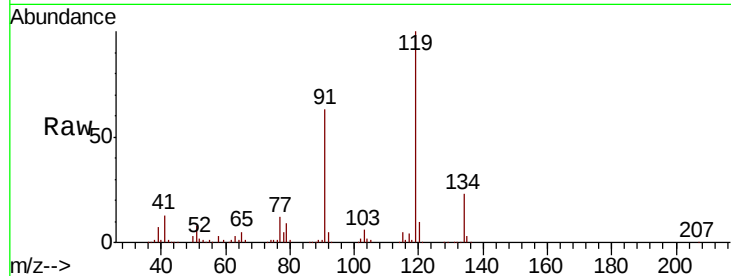




#83
tert-Butylbenzene
Concen: 22.831 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN056832.D
Acq: 19 Jul 2019 15:17

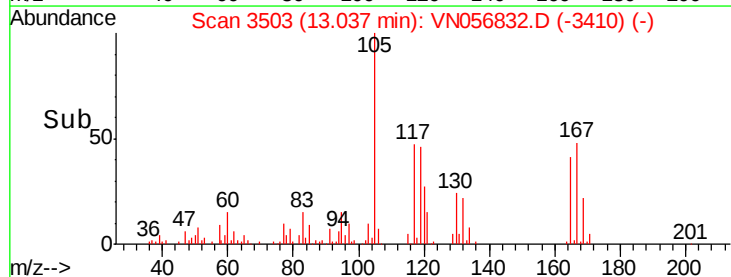
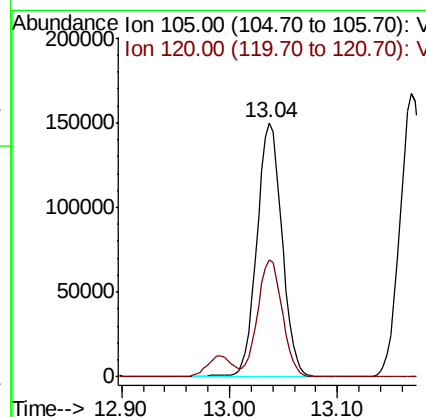
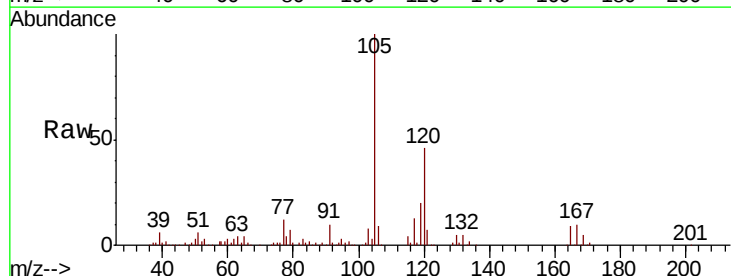
Instrument :
MSVOA_N
ClientSampleId :
VN0719WBSD01

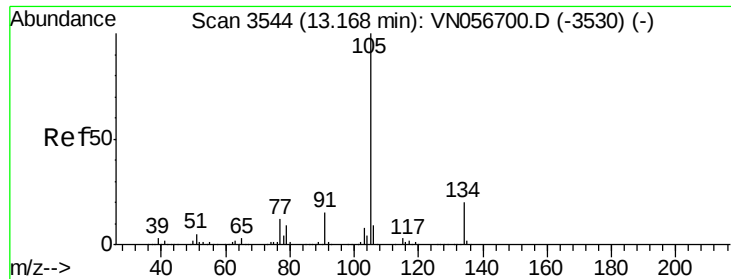
Tot Ion:119 Resp: 211021
Ion Ratio Lower Upper
119 100
91 62.6 31.8 95.4
134 24.0 13.0 38.9



#84
1,2,4-Trimethylbenzene
Concen: 21.595 ug/l
RT: 13.04 min Scan# 3503
Delta R.T. -0.00 min
Lab File: VN056832.D
Acq: 19 Jul 2019 15:17

Tgt Ion:105 Resp: 241828
Ion Ratio Lower Upper
105 100
120 45.8 22.9 68.8





#85

sec-Butylbenzene

Concen: 21.140 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. -0.00 min

Lab File: VN056832.D

Acq: 19 Jul 2019 15:17

Instrument :

MSVOA_N

ClientSampleId :

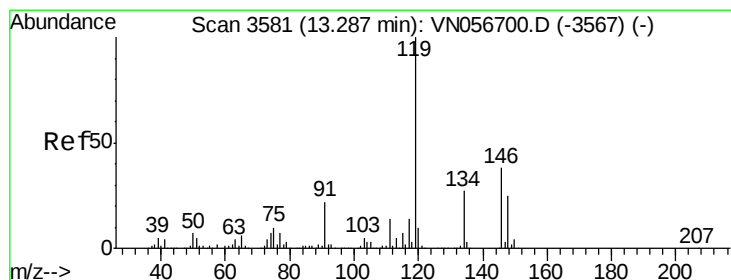
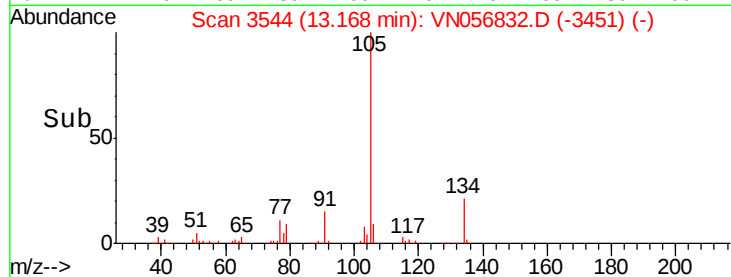
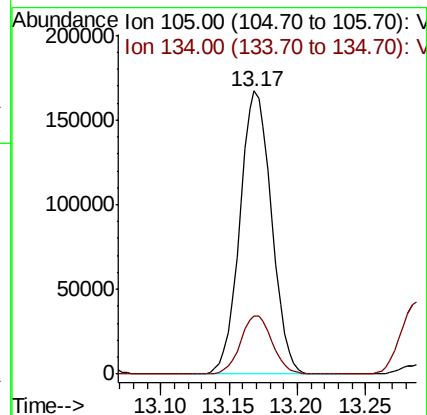
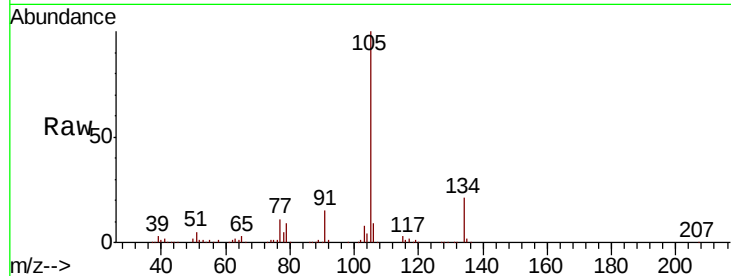
VN0719WBSD01

Tot Ion:105 Resp: 269270

Ion Ratio Lower Upper

105 100

134 20.5 10.1 30.1



#86

p-Isopropyltoluene

Concen: 20.918 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN056832.D

Acq: 19 Jul 2019 15:17

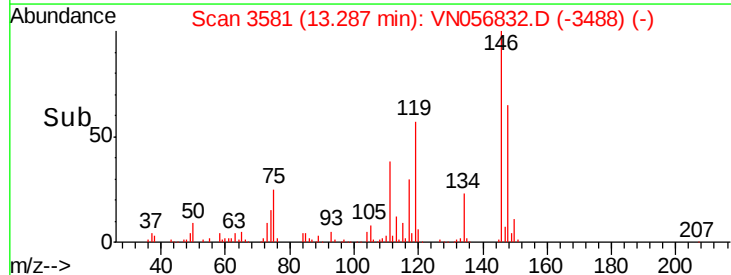
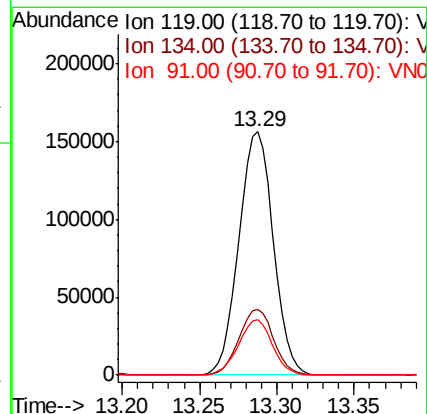
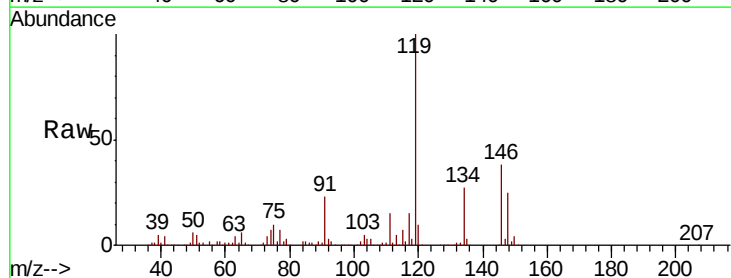
Tgt Ion:119 Resp: 241365

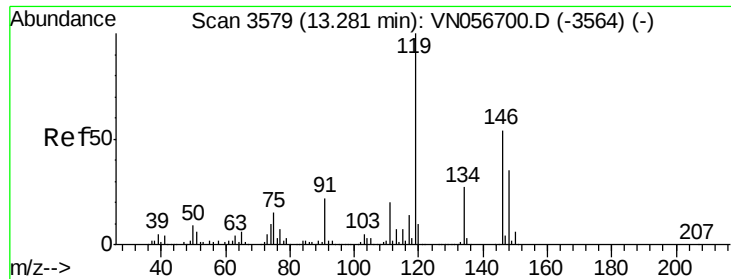
Ion Ratio Lower Upper

119 100

134 27.1 13.6 40.7

91 22.4 11.2 33.5

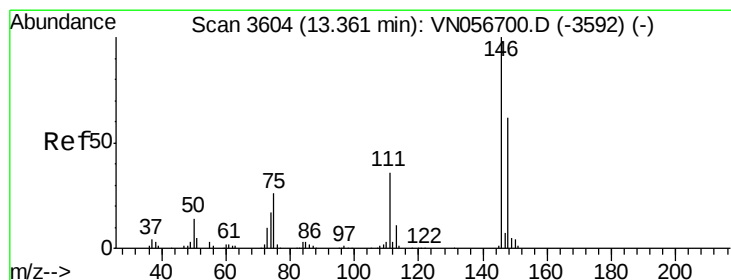
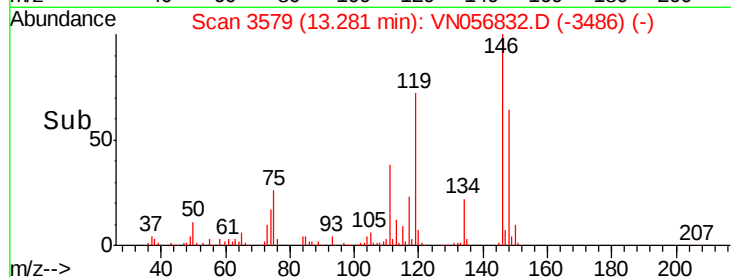
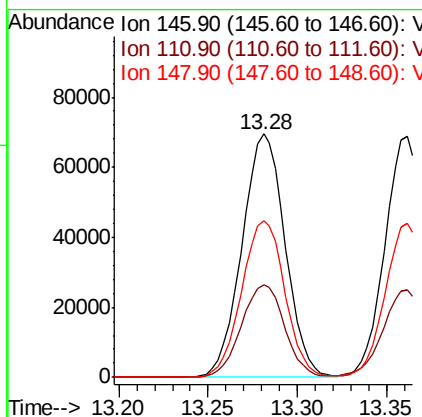
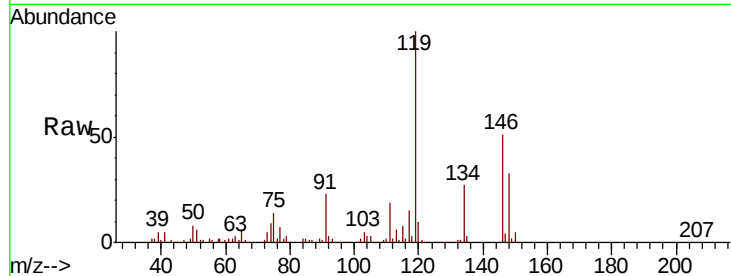




#87
 1,3-Dichlorobenzene
 Concen: 20.219 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN056832.D
 Acq: 19 Jul 2019 15:17

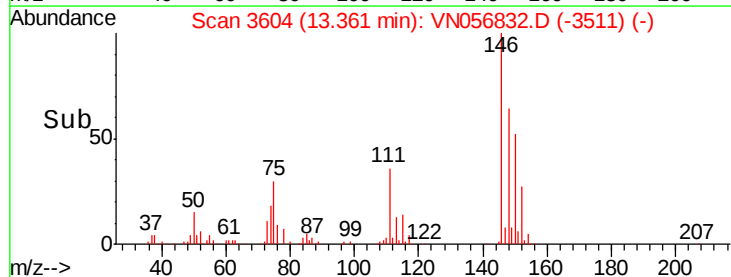
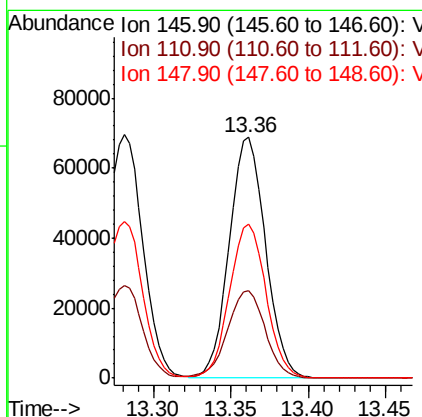
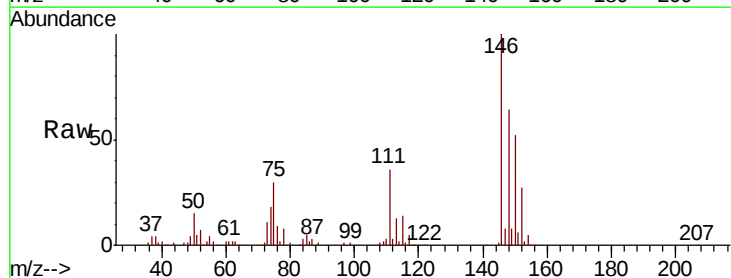
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0719WBSD01

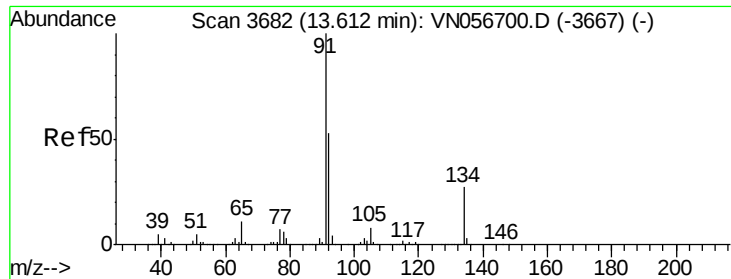
Tot Ion:146 Resp: 117219
 Ion Ratio Lower Upper
 146 100
 111 38.0 18.8 56.3
 148 64.5 32.3 96.8



#88
 1,4-Dichlorobenzene
 Concen: 19.915 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. -0.00 min
 Lab File: VN056832.D
 Acq: 19 Jul 2019 15:17

Tgt Ion:146 Resp: 112308
 Ion Ratio Lower Upper
 146 100
 111 37.8 18.6 55.8
 148 64.4 31.9 95.7





#89

n-Butylbenzene

Concen: 19.498 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. -0.00 min

Lab File: VN056832.D

Acq: 19 Jul 2019 15:17

Instrument :

MSVOA_N

ClientSampleId :

VN0719WBSD01

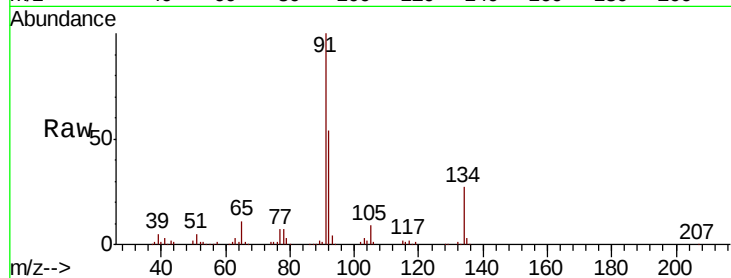
Tot Ion: 91 Resp: 181227

Ion Ratio Lower Upper

91 100

92 53.7 26.0 78.0

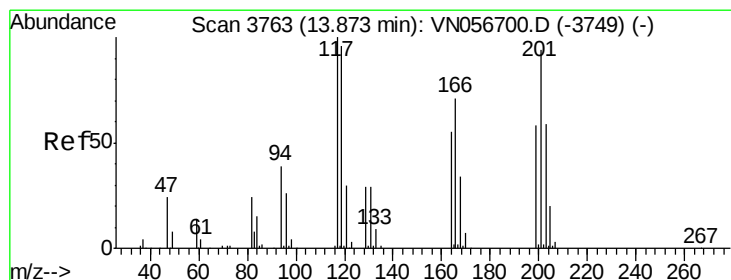
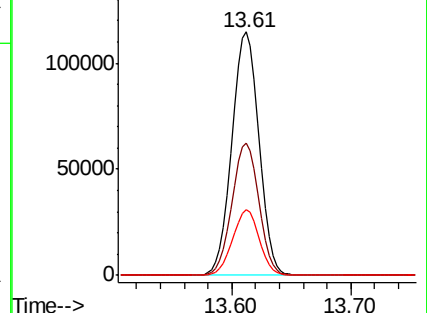
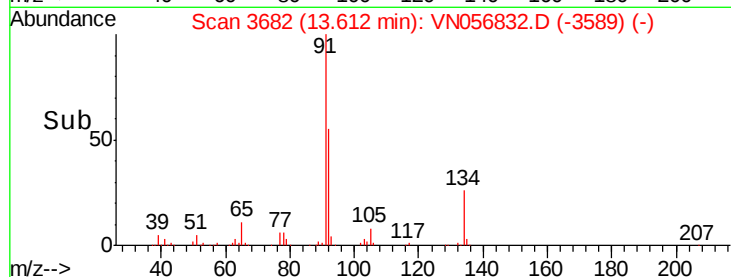
134 26.5 13.4 40.2



Abundance Ion 91.00 (90.70 to 91.70): VN056700.D (-3667) (-)

Ion 92.00 (91.70 to 92.70): VN056700.D (-3667) (-)

Ion 134.00 (133.70 to 134.70): VN056700.D (-3667) (-)



#90

Hexachloroethane

Concen: 20.480 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. -0.00 min

Lab File: VN056832.D

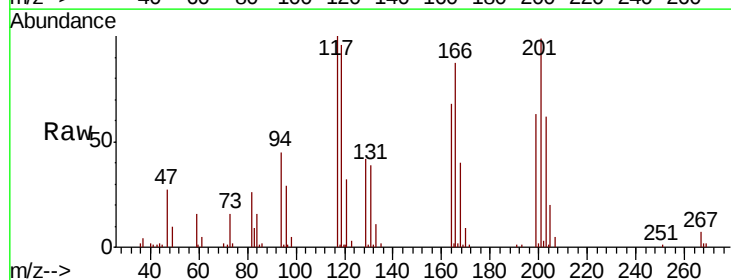
Acq: 19 Jul 2019 15:17

Tgt Ion: 117 Resp: 38214

Ion Ratio Lower Upper

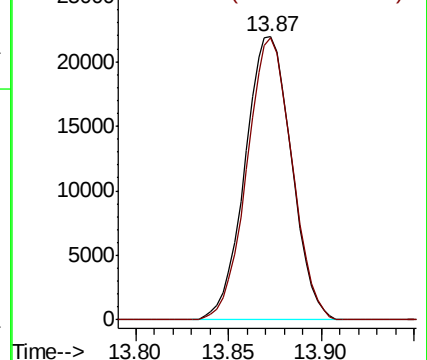
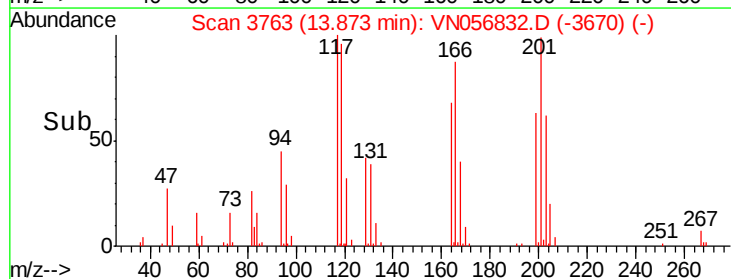
117 100

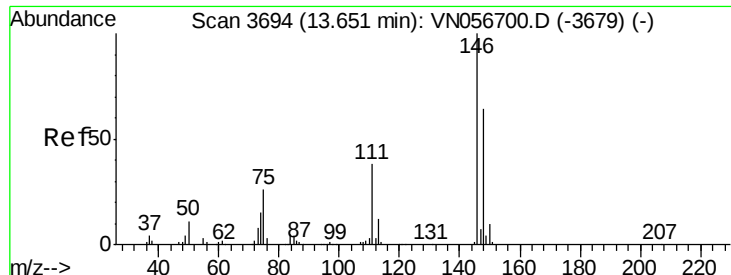
201 96.0 46.5 139.5



Abundance Ion 116.80 (116.50 to 117.50): VN056700.D (-3749) (-)

Ion 200.70 (200.40 to 201.40): VN056700.D (-3749) (-)





#91

1,2-Dichlorobenzene

Concen: 20.566 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. -0.00 min

Lab File: VN056832.D

Acq: 19 Jul 2019 15:17

Instrument :

MSVOA_N

ClientSampleId :

VN0719WBSD01

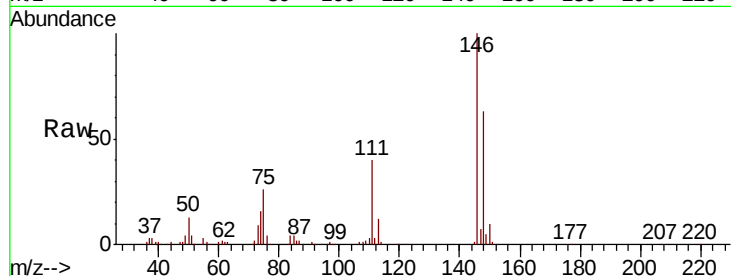
Tot Ion:146 Resp: 121943

Ion Ratio Lower Upper

146 100

111 39.8 19.1 57.1

148 64.2 31.7 95.1

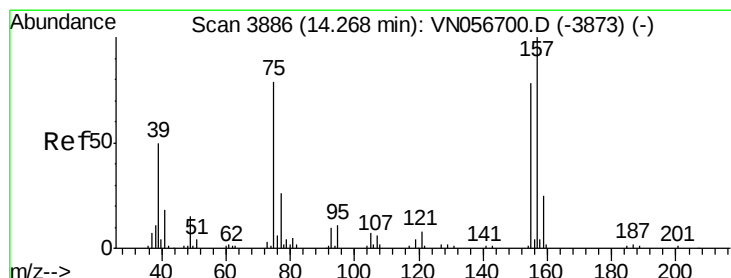
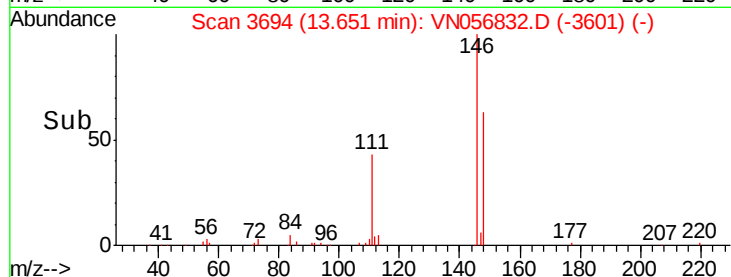
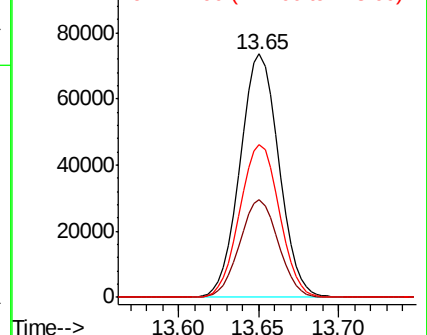


Abundance

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: 20.189 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. -0.00 min

Lab File: VN056832.D

Acq: 19 Jul 2019 15:17

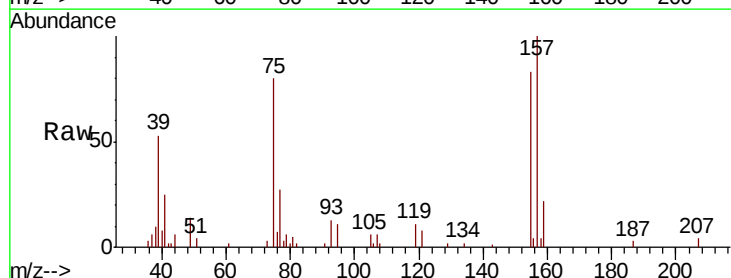
Tgt Ion: 75 Resp: 14642

Ion Ratio Lower Upper

75 100

155 101.8 49.3 147.9

157 124.2 62.4 187.1

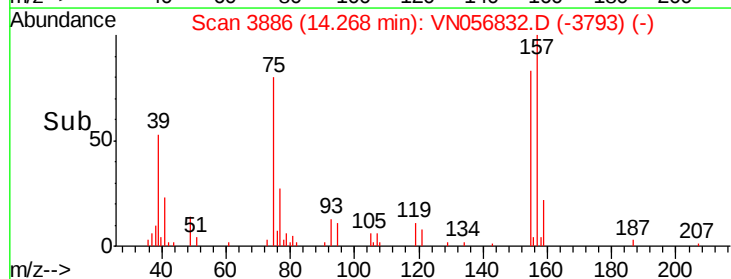
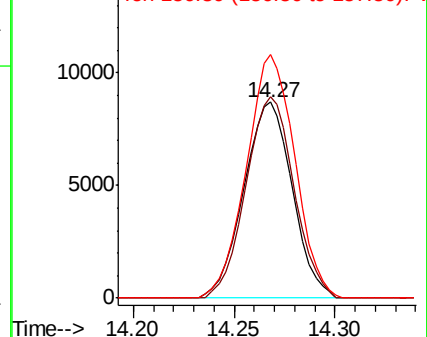


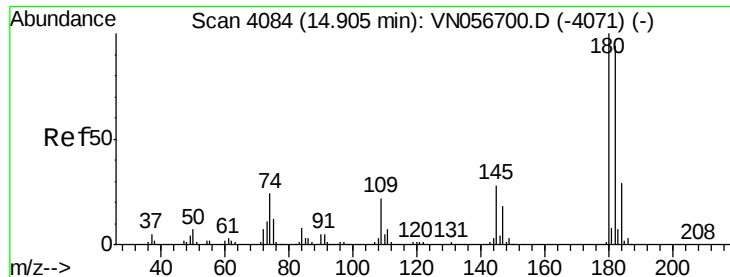
Abundance

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

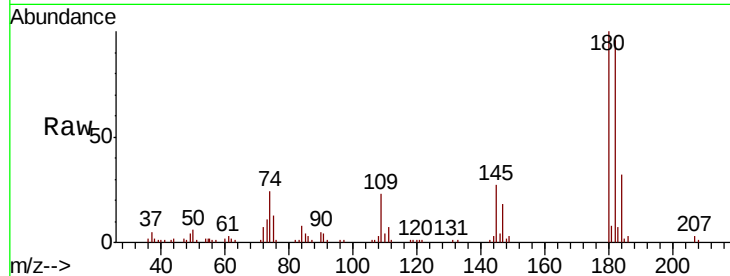




#93
 1,2,4-Trichlorobenzene
 Concen: 18.578 ug/l
 RT: 14.90 min Scan# 4084
 Delta R.T. 0.00 min
 Lab File: VN056832.D
 Acq: 19 Jul 2019 15:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0719WBSD01

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.3	47.2	141.6
145	27.9	14.2	42.8

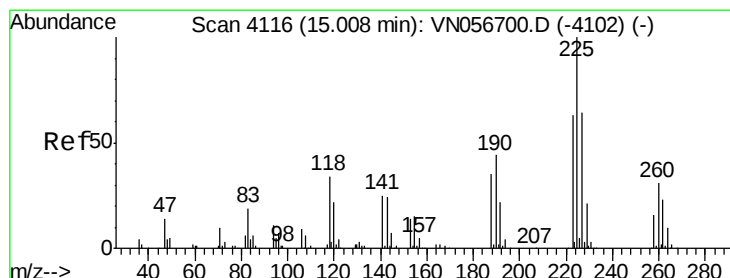
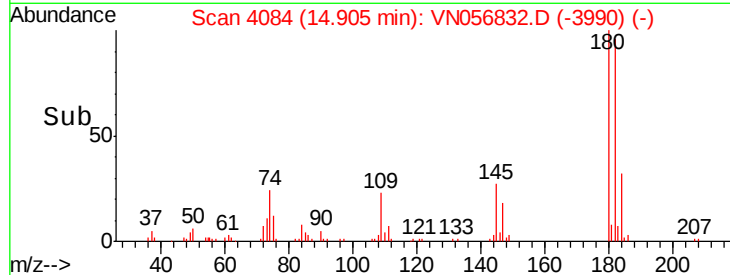
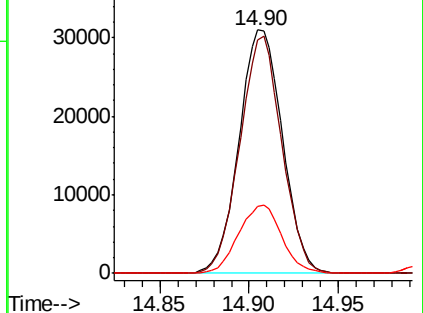


Abundance

Ion 179.80 (179.50 to 180.50): V

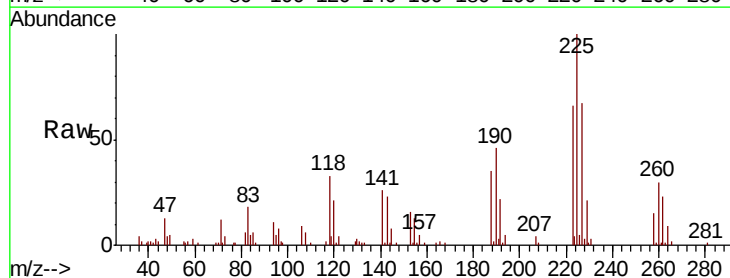
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 22.098 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN056832.D
 Acq: 19 Jul 2019 15:17

Tgt Ion	Ratio	Lower	Upper
225	100		
223	65.7	31.5	94.5
227	64.9	32.0	96.2

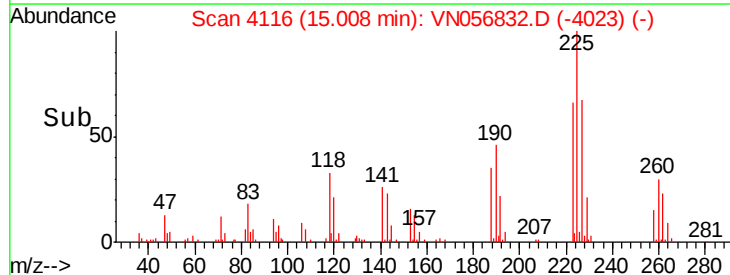
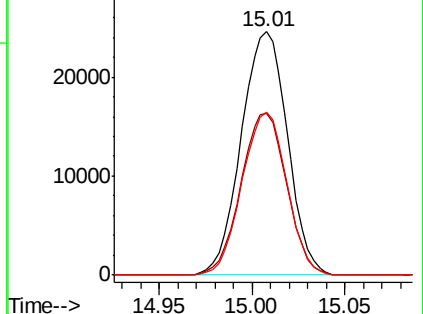


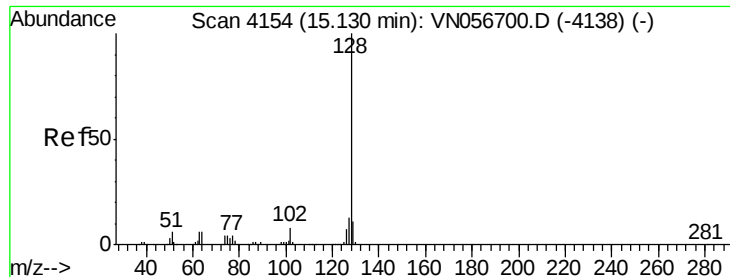
Abundance

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: 18.595 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN056832.D

Acq: 19 Jul 2019 15:17

Instrument :

MSVOA_N

ClientSampleId :

VN0719WBSD01

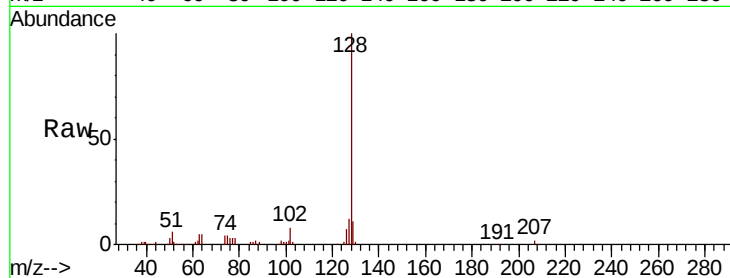
Tot Ion:128 Resp: 139022

Ion Ratio Lower Upper

128 100

127 12.9 10.3 15.5

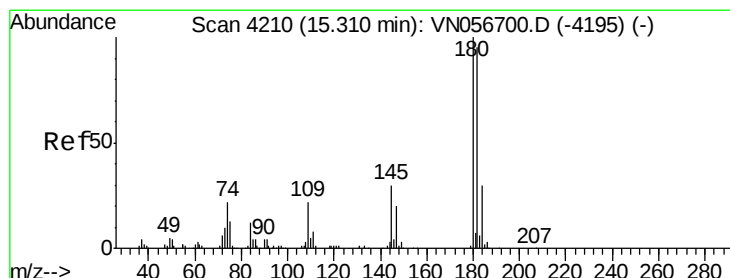
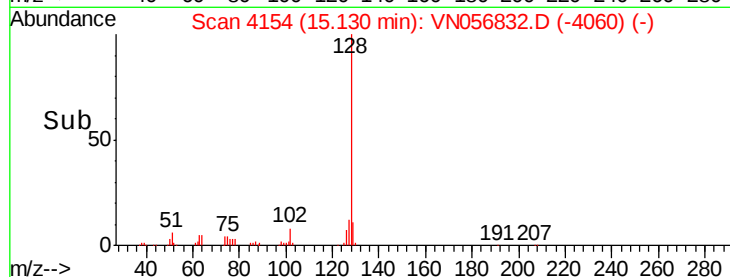
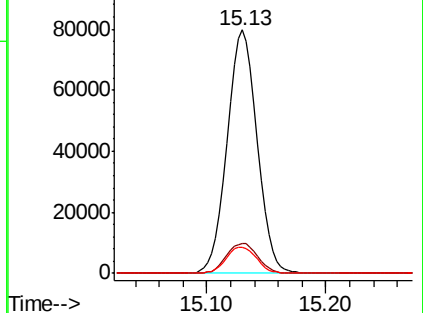
129 11.0 8.7 13.1



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: 19.529 ug/l

RT: 15.31 min Scan# 4210

Delta R.T. 0.00 min

Lab File: VN056832.D

Acq: 19 Jul 2019 15:17

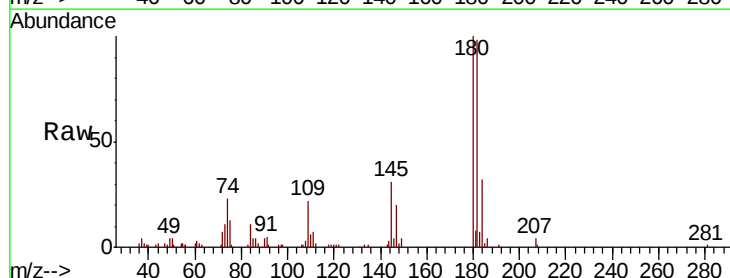
Tgt Ion:180 Resp: 56458

Ion Ratio Lower Upper

180 100

182 94.9 47.1 141.3

145 30.0 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

