

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071519\
 Data File : VN056729.D
 Acq On : 15 Jul 2019 22:38
 Operator : JC/SP
 Sample : VN0715WBS02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0715WBS02

Quant Time: Jul 16 04:26:49 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N071519W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 16 01:25:25 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	326673	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	520371	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	467509	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	206991	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	184633	51.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.20%	
35) Dibromofluoromethane	7.59	113	163182	50.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.78%	
50) Toluene-d8	10.09	98	621484	49.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.38%	
62) 4-Bromofluorobenzene	12.40	95	208885	49.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.04%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	54918	17.904	ug/l	99
3) Chloromethane	2.06	50	75082	18.206	ug/l	99
4) Vinyl Chloride	2.18	62	74206	18.685	ug/l	100
5) Bromomethane	2.57	94	47709	20.429	ug/l	98
6) Chloroethane	2.70	64	43147	18.644	ug/l	96
7) Trichlorofluoromethane	3.01	101	96848	19.005	ug/l	100
8) Diethyl Ether	3.41	74	38390	19.323	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	58332	19.053	ug/l	99
10) Methyl Iodide	3.95	142	63708	15.557	ug/l	98
11) Tert butyl alcohol	4.79	59	57132	94.989	ug/l #	85
12) 1,1-Dichloroethene	3.74	96	58814	19.152	ug/l	98
13) Acrolein	3.61	56	18771	98.145	ug/l	97
14) Allyl chloride	4.32	41	97488	18.357	ug/l	99
15) Acrylonitrile	4.99	53	167809	96.613	ug/l	99
16) Acetone	3.82	43	131420	78.923	ug/l	97
17) Carbon Disulfide	4.05	76	149877	18.469	ug/l	99
18) Methyl Acetate	4.33	43	73123	18.948	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	185970	19.006	ug/l	100
20) Methylene Chloride	4.55	84	69421	19.077	ug/l	93
21) trans-1,2-Dichloroethene	5.04	96	63615	19.597	ug/l	97
22) Diisopropyl ether	5.95	45	207362	19.781	ug/l	93
23) Vinyl Acetate	5.90	43	817382	96.224	ug/l	99
24) 1,1-Dichloroethane	5.85	63	116745	19.209	ug/l	99
25) 2-Butanone	6.84	43	217634	89.396	ug/l	98
26) 2,2-Dichloropropane	6.82	77	69130	15.775	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	74193	19.863	ug/l	97
28) Bromochloromethane	7.20	49	54754	19.161	ug/l	98
29) Tetrahydrofuran	7.22	42	152473	96.025	ug/l	99
30) Chloroform	7.37	83	116218	19.109	ug/l	99
31) Cyclohexane	7.66	56	112311	19.443	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	93007	19.337	ug/l	98
36) 1,1-Dichloropropene	7.79	75	87226	18.114	ug/l	99
37) Ethyl Acetate	6.93	43	90482	19.065	ug/l	98
38) Carbon Tetrachloride	7.77	117	80875	17.909	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071519\
 Data File : VN056729.D
 Acq On : 15 Jul 2019 22:38
 Operator : JC/SP
 Sample : VN0715WBS02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0715WBS02

Quant Time: Jul 16 04:26:49 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N071519W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 16 01:25:25 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	106108	17.846	ug/l	99
40) Benzene	8.04	78	276114	18.714	ug/l	99
41) Methacrylonitrile	7.18	41	38505	18.470	ug/l #	100
42) 1,2-Dichloroethane	8.13	62	88253	18.926	ug/l	100
43) Isopropyl Acetate	8.17	43	136657	18.316	ug/l	98
44) Trichloroethene	8.84	130	74544	18.605	ug/l	97
45) 1,2-Dichloropropane	9.12	63	73342	18.707	ug/l	99
46) Dibromomethane	9.21	93	46308	19.060	ug/l	99
47) Bromodichloromethane	9.40	83	86168	18.664	ug/l	99
48) Methyl methacrylate	9.20	41	66686	18.481	ug/l	98
49) 1,4-Dioxane	9.20	88	25411	343.218	ug/l	99
51) 4-Methyl-2-Pentanone	9.99	43	450600	93.246	ug/l	100
52) Toluene	10.16	92	167909	19.163	ug/l	97
53) t-1,3-Dichloropropene	10.38	75	86318	17.921	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	100892	18.050	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	68310	18.587	ug/l	98
56) Ethyl methacrylate	10.43	69	99372	18.792	ug/l	99
57) 1,3-Dichloropropane	10.71	76	113909	18.977	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	239521	94.192	ug/l	99
59) 2-Hexanone	10.75	43	316271	91.212	ug/l	100
60) Dibromochloromethane	10.90	129	67374	18.640	ug/l	99
61) 1,2-Dibromoethane	11.00	107	70544	19.314	ug/l	98
64) Tetrachloroethene	10.63	164	74426	18.453	ug/l	99
65) Chlorobenzene	11.43	112	176502	18.464	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	64795	18.410	ug/l	99
67) Ethyl Benzene	11.51	91	310886	18.505	ug/l	100
68) m/p-Xylenes	11.62	106	234563	37.360	ug/l	100
69) o-Xylene	11.95	106	113093	18.322	ug/l	100
70) Styrene	11.96	104	190877	19.128	ug/l	100
71) Bromoform	12.12	173	49035	18.310	ug/l #	98
73) Isopropylbenzene	12.25	105	301956	18.092	ug/l	100
74) N-amyl acetate	12.07	43	104750	16.852	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	96600	18.774	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	112522	24.855	ug/l #	100
77) Bromobenzene	12.53	156	79266	18.158	ug/l	96
78) n-propylbenzene	12.59	91	329229	17.769	ug/l	99
79) 2-Chlorotoluene	12.67	91	200116	18.511	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	253435	17.916	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	22449	15.314	ug/l	92
82) 4-Chlorotoluene	12.77	91	196132	18.037	ug/l	100
83) tert-Butylbenzene	12.99	119	215127	18.603	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	252318	18.259	ug/l	98
85) sec-Butylbenzene	13.17	105	281883	17.934	ug/l	100
86) p-Isopropyltoluene	13.29	119	255568	17.949	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	127164	17.775	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	126974	18.246	ug/l	100
89) n-Butylbenzene	13.61	91	208580	18.186	ug/l	100
90) Hexachloroethane	13.87	117	38297	16.632	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	129938	17.759	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	15629	17.463	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071519\
Data File : VN056729.D
Acq On : 15 Jul 2019 22:38
Operator : JC/SP
Sample : VN0715WBS02
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 37 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0715WBS02

Quant Time: Jul 16 04:26:49 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N071519W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 16 01:25:25 2019
Response via : Initial Calibration

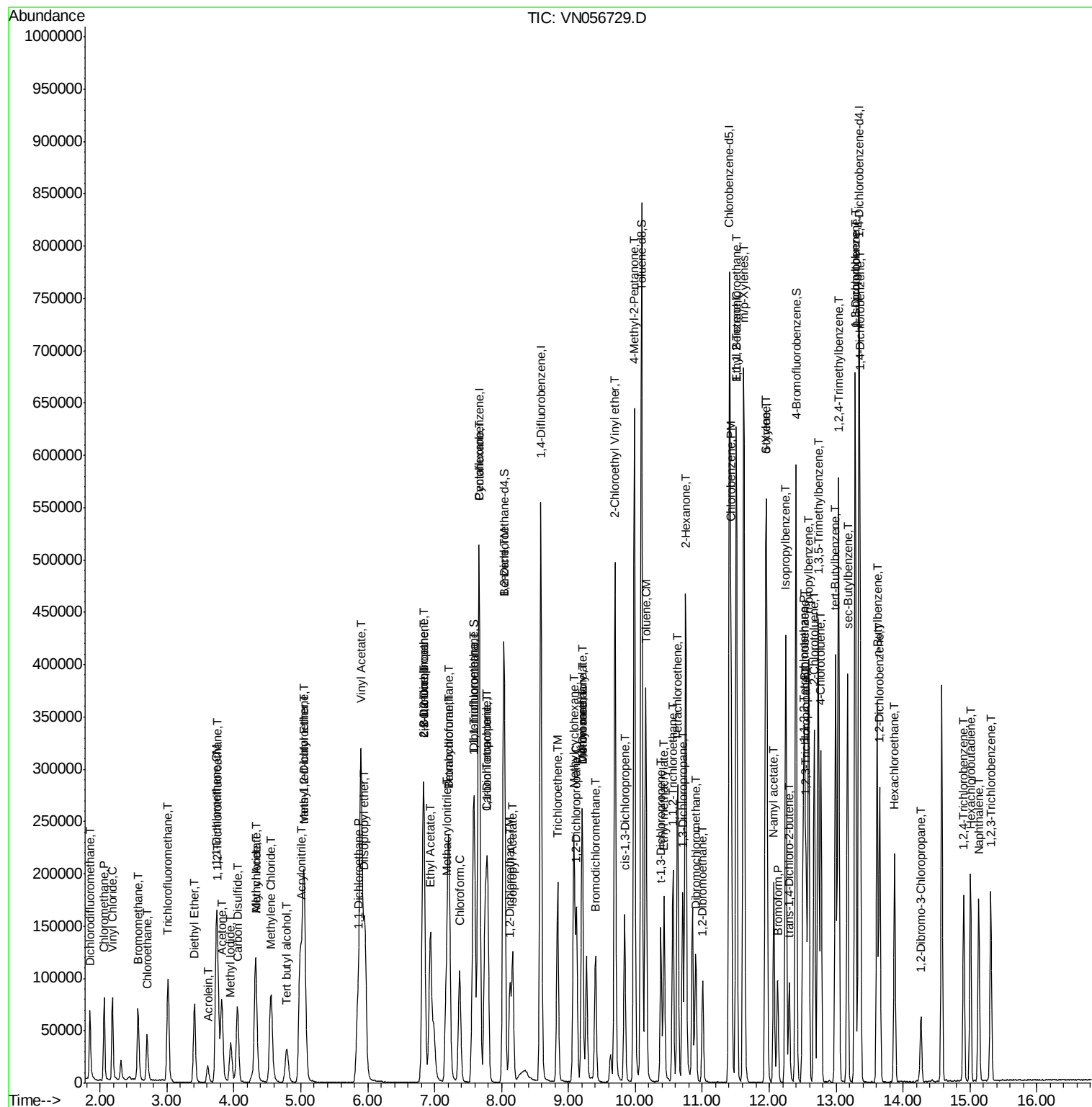
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	62931	18.110	ug/l	97
94) Hexachlorobutadiene	15.01	225	42425	17.619	ug/l	98
95) Naphthalene	15.13	128	158406	17.516	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	68146	19.174	ug/l	98

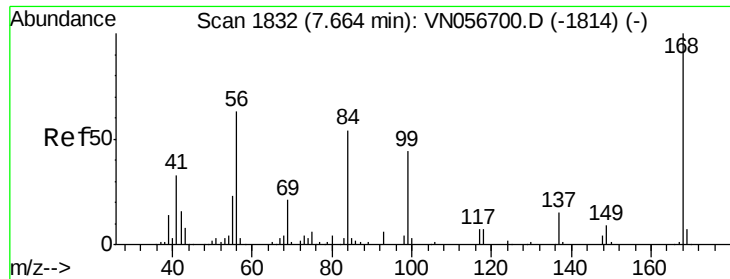
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071519\
Data File : VN056729.D
Acq On : 15 Jul 2019 22:38
Operator : JC/SP
Sample : VN0715WBS02
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 37 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0715WBS02

Quant Time: Jul 16 04:26:49 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N071519W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 16 01:25:25 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN056729.D

Acq: 15 Jul 2019 22:38

Instrument :

MSVOA_N

ClientSampleId :

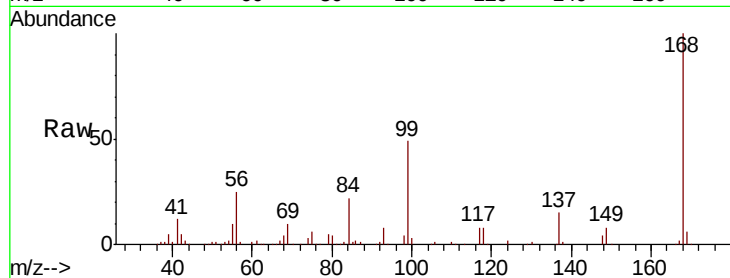
VN0715WBS02

Tot Ion:168 Resp: 326673

Ion Ratio Lower Upper

168 100

99 48.2 39.4 59.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

150000

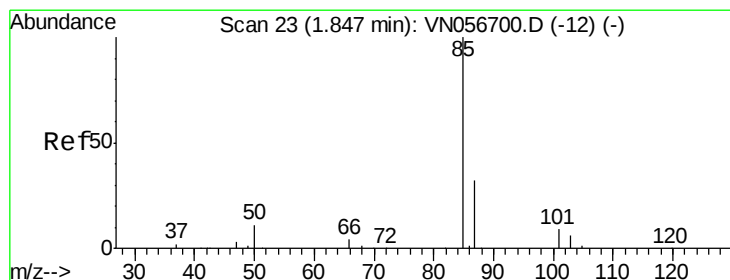
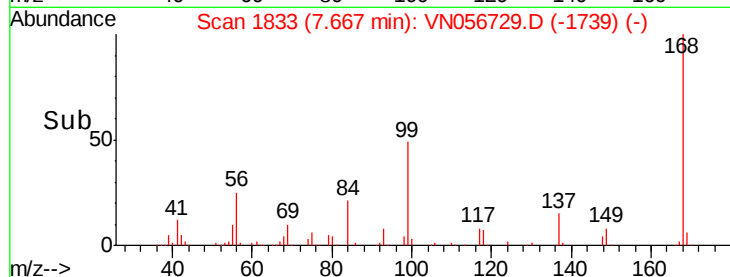
100000

50000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 17.904 ug/l

RT: 1.85 min Scan# 23

Delta R.T. -0.00 min

Lab File: VN056729.D

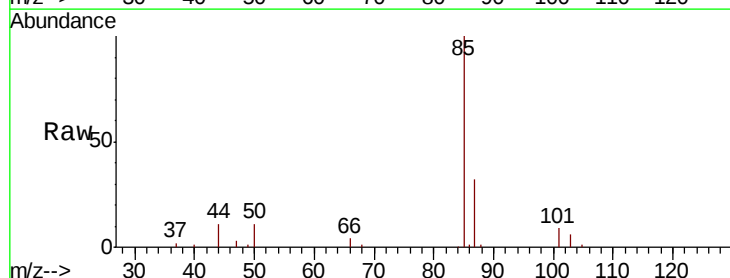
Acq: 15 Jul 2019 22:38

Tgt Ion: 85 Resp: 54918

Ion Ratio Lower Upper

85 100

87 32.3 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

40000

30000

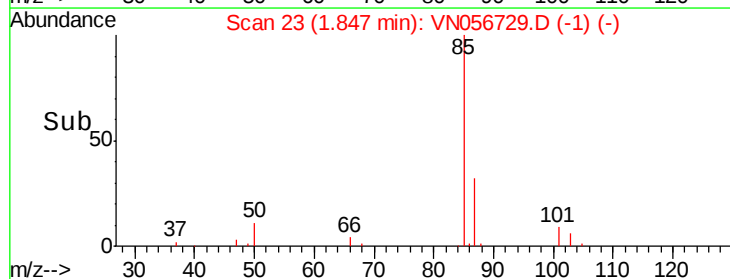
20000

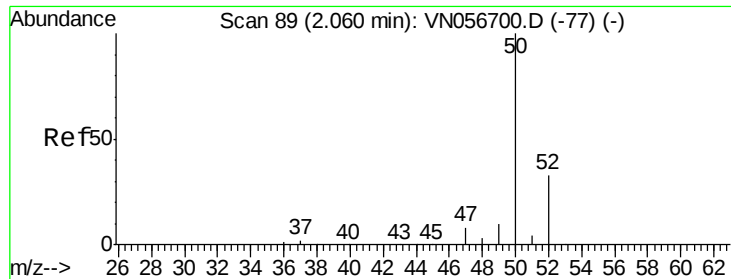
10000

0

1.80 1.85 1.90 1.95

Time-->

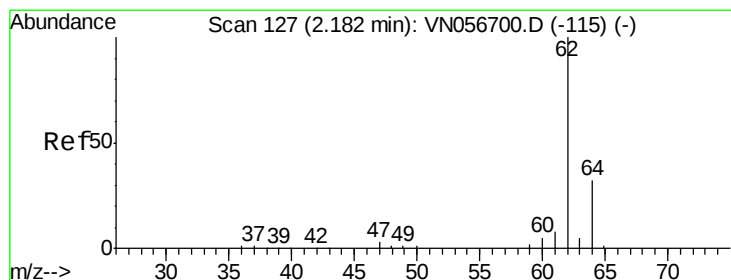
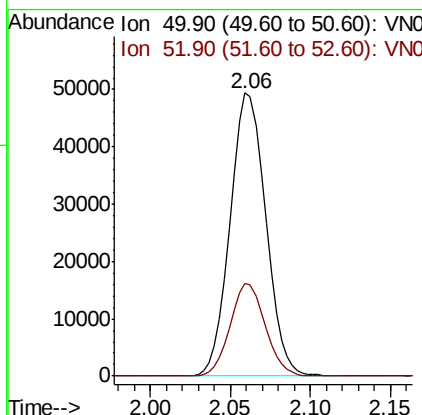
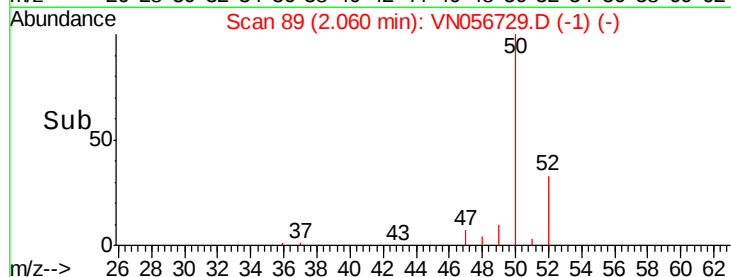
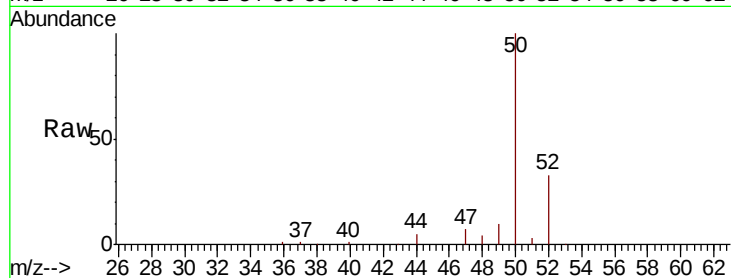




#3
 Chloromethane
 Concen: 18.206 ug/l
 RT: 2.06 min Scan# 89
 Delta R.T. -0.00 min
 Lab File: VN056729.D
 Acq: 15 Jul 2019 22:38

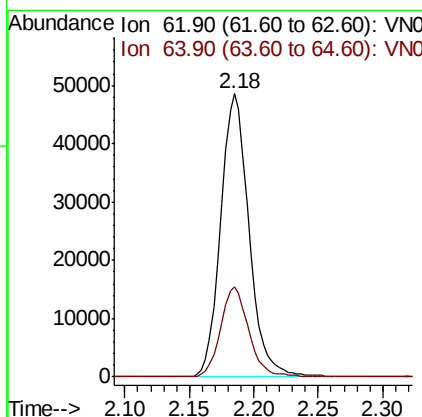
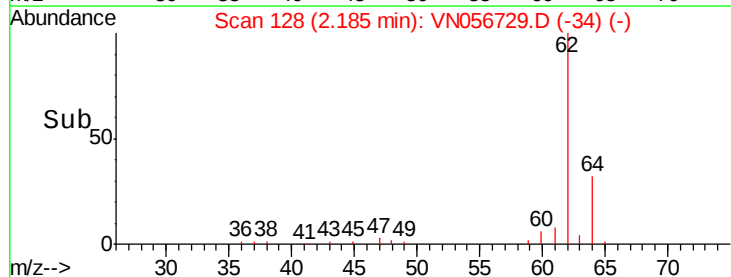
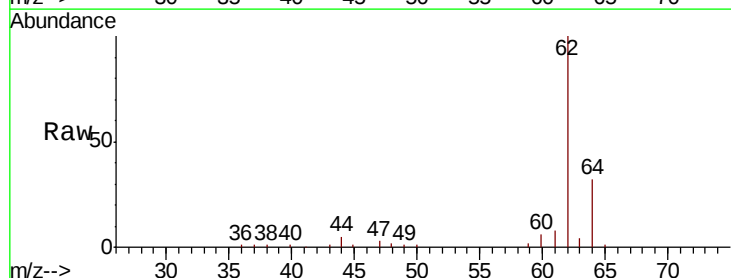
Instrument :
 MSVOA_N
 ClientSampled :
 VN0715WBS02

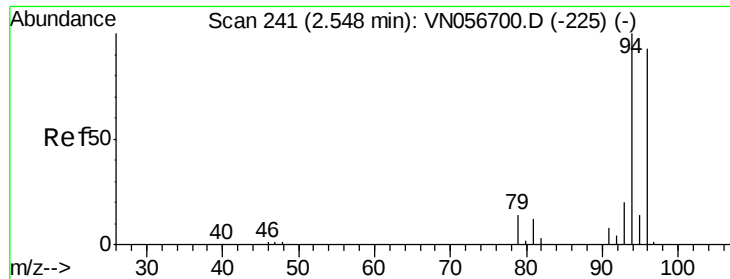
Tot Ion: 50 Resp: 75082
 Ion Ratio Lower Upper
 50 100
 52 32.8 26.5 39.7



#4
 Vinyl Chloride
 Concen: 18.685 ug/l
 RT: 2.18 min Scan# 128
 Delta R.T. 0.00 min
 Lab File: VN056729.D
 Acq: 15 Jul 2019 22:38

Tgt Ion: 62 Resp: 74206
 Ion Ratio Lower Upper
 62 100
 64 31.8 25.6 38.4

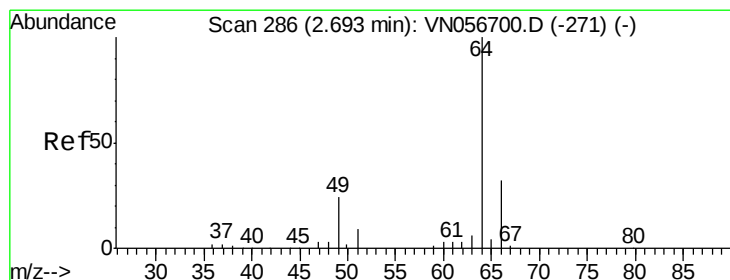
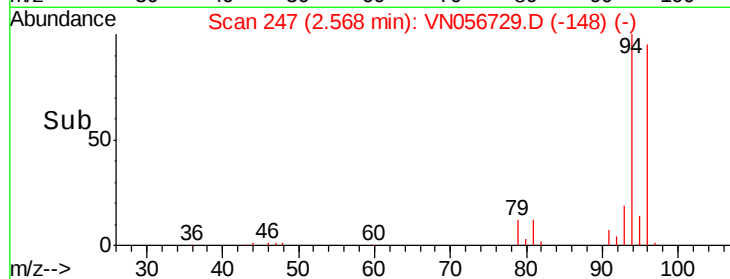
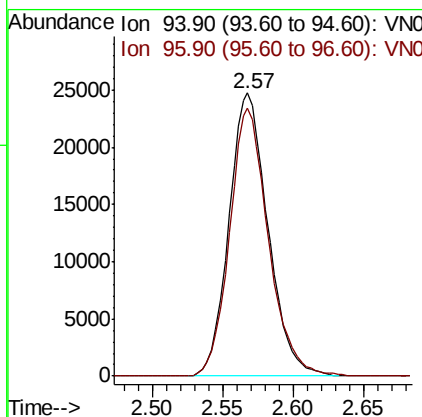
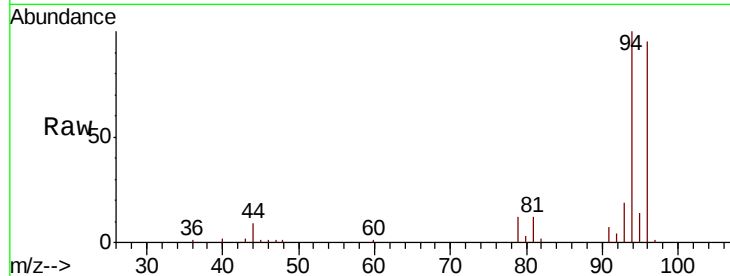




#5
Bromomethane
Concen: 20.429 ug/l
RT: 2.57 min Scan# 247
Delta R.T. 0.02 min
Lab File: VN056729.D
Acq: 15 Jul 2019 22:38

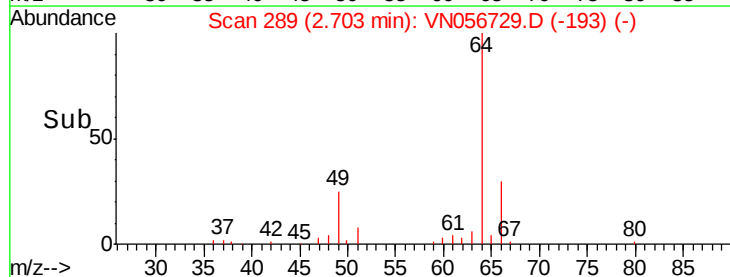
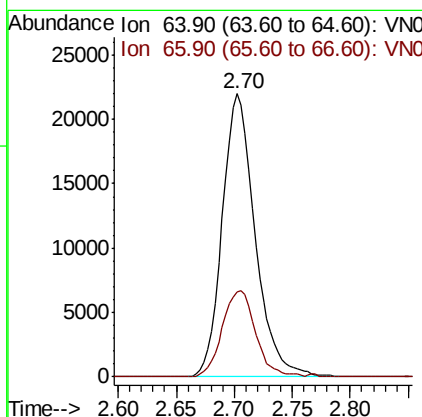
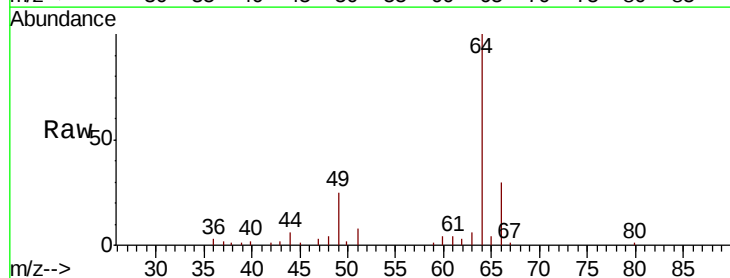
Instrument :
MSVOA_N
ClientSampled :
VN0715WBS02

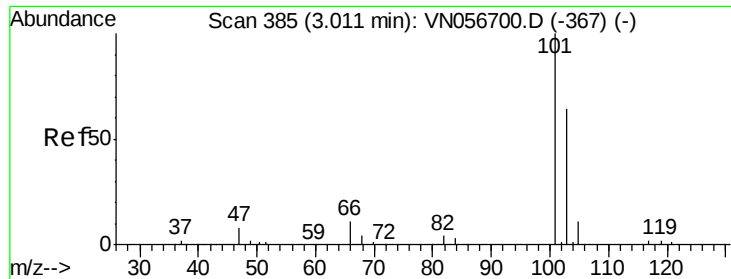
Tot Ion: 94 Resp: 47709
Ion Ratio Lower Upper
94 100
96 94.7 74.0 111.0



#6
Chloroethane
Concen: 18.644 ug/l
RT: 2.70 min Scan# 289
Delta R.T. 0.01 min
Lab File: VN056729.D
Acq: 15 Jul 2019 22:38

Tgt Ion: 64 Resp: 43147
Ion Ratio Lower Upper
64 100
66 30.1 25.8 38.8



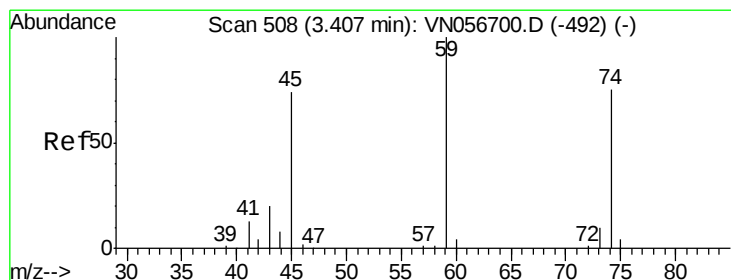
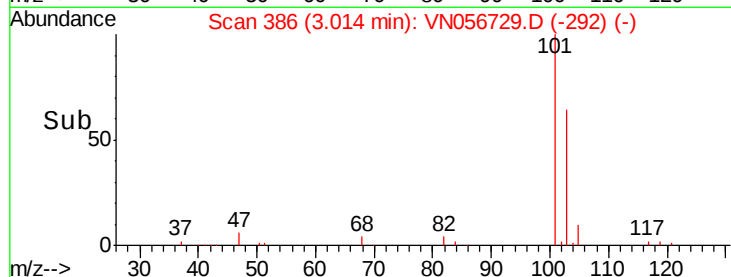
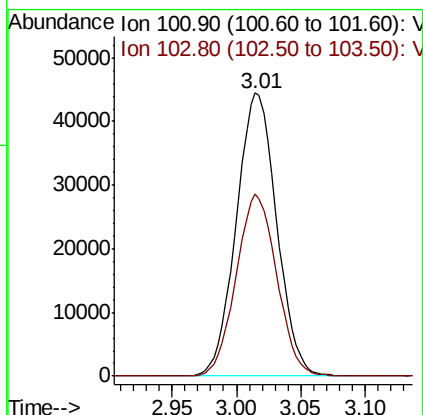
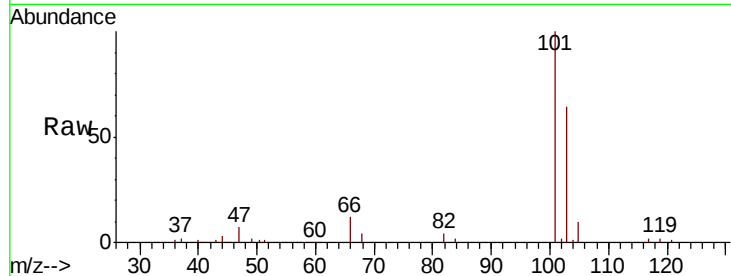


#7

Trichlorofluoromethane
Concen: 19.005 ug/l
RT: 3.01 min Scan# 386
Delta R.T. 0.00 min
Lab File: VN056729.D
Acq: 15 Jul 2019 22:38

Instrument :
MSVOA_N
ClientSampleId :
VN0715WBS02

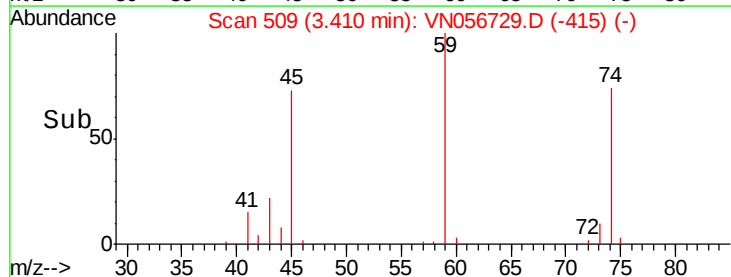
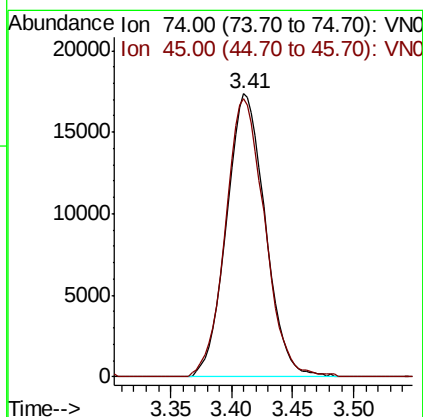
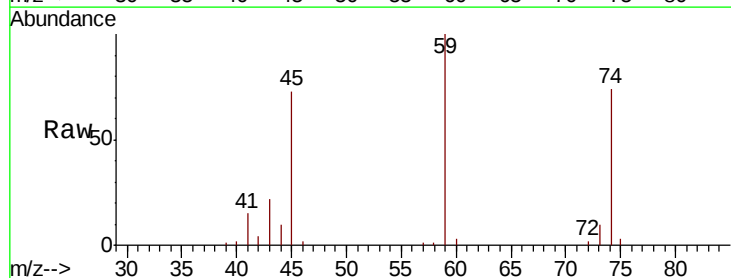
Tot Ion:101 Resp: 96848
Ion Ratio Lower Upper
101 100
103 64.2 51.5 77.3

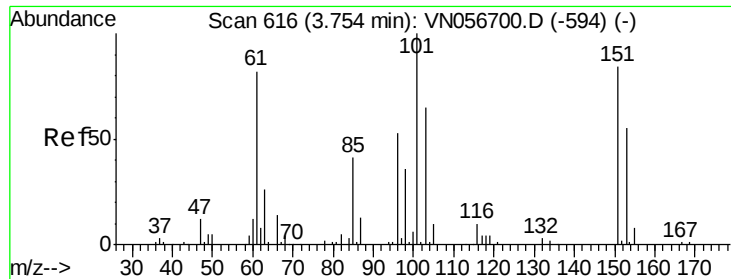


#8

Diethyl Ether
Concen: 19.323 ug/l
RT: 3.41 min Scan# 509
Delta R.T. 0.00 min
Lab File: VN056729.D
Acq: 15 Jul 2019 22:38

Tgt Ion: 74 Resp: 38390
Ion Ratio Lower Upper
74 100
45 99.9 49.4 148.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.053 ug/l

RT: 3.76 min Scan# 619

Delta R.T. 0.01 min

Lab File: VN056729.D

Acq: 15 Jul 2019 22:38

Instrument :

MSVOA_N

ClientSampleId :

VN0715WBS02

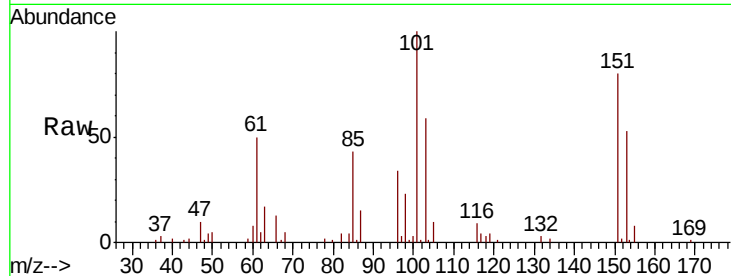
Tot Ion:101 Resp: 58332

Ion Ratio Lower Upper

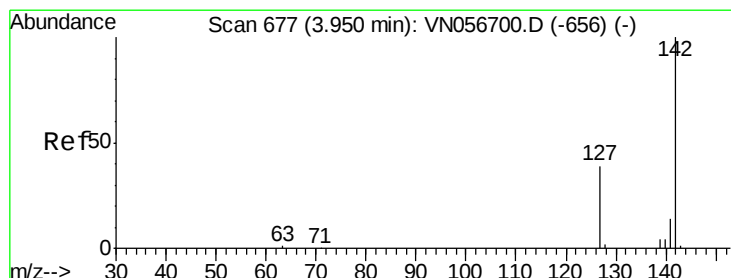
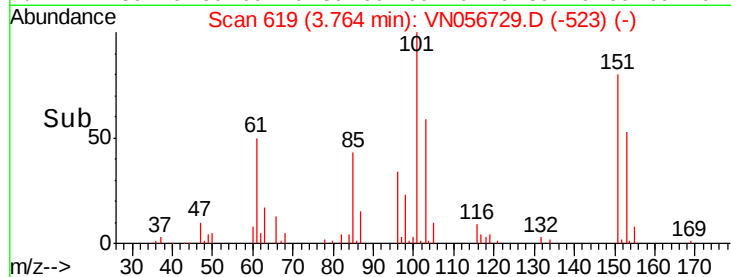
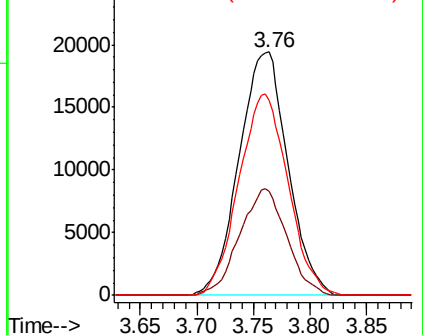
101 100

85 42.0 33.3 49.9

151 83.1 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: 15.557 ug/l

RT: 3.95 min Scan# 678

Delta R.T. 0.00 min

Lab File: VN056729.D

Acq: 15 Jul 2019 22:38

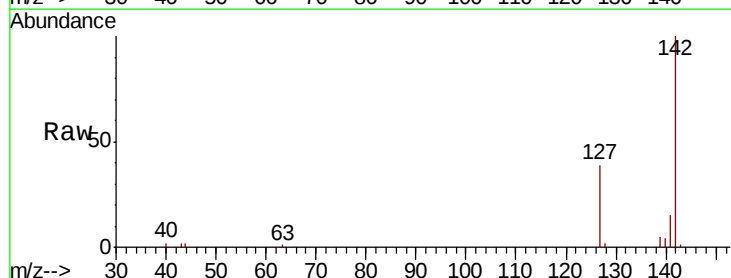
Tgt Ion:142 Resp: 63708

Ion Ratio Lower Upper

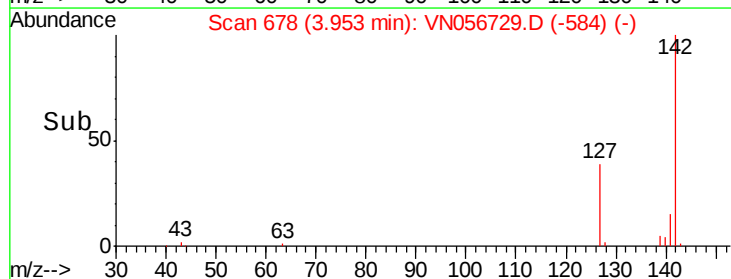
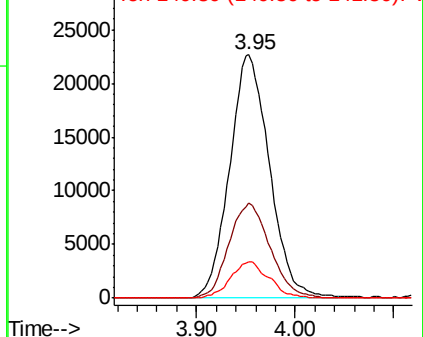
142 100

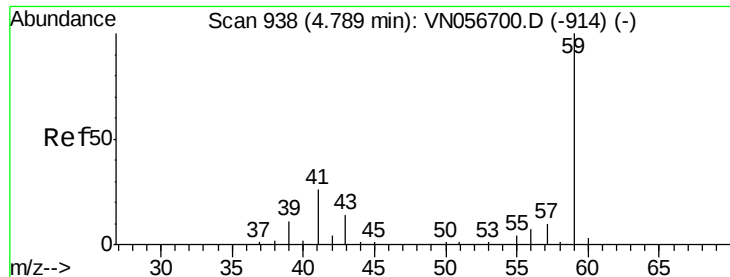
127 40.2 30.7 46.1

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

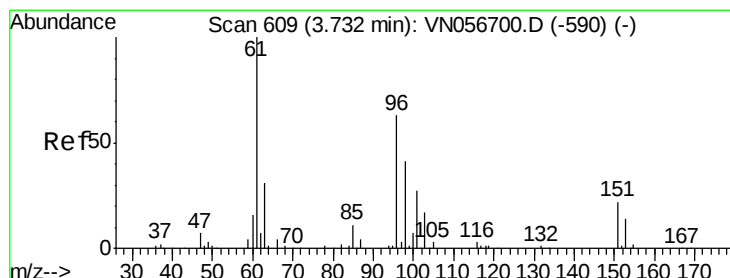
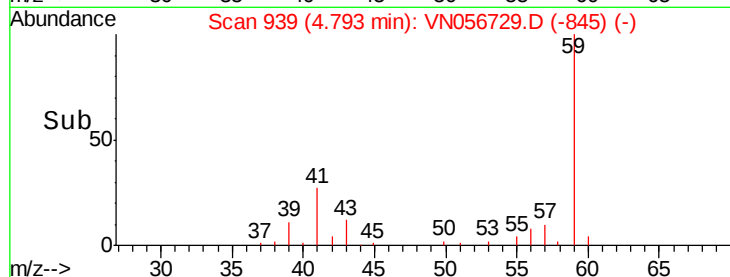
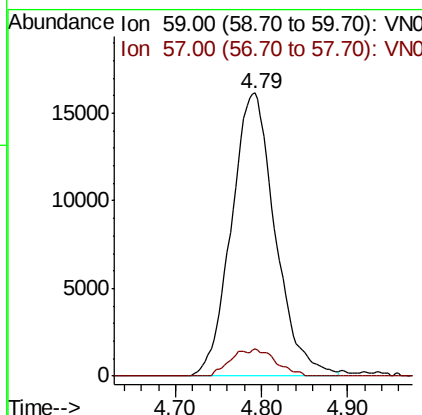
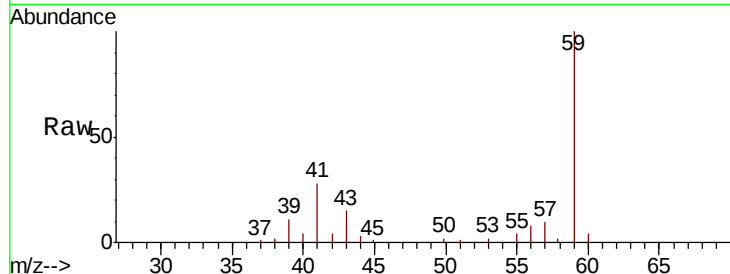




#11
Tert butyl alcohol
Concen: 94.989 ug/l
RT: 4.79 min Scan# 939
Delta R.T. 0.00 min
Lab File: VN056729.D
Acq: 15 Jul 2019 22:38

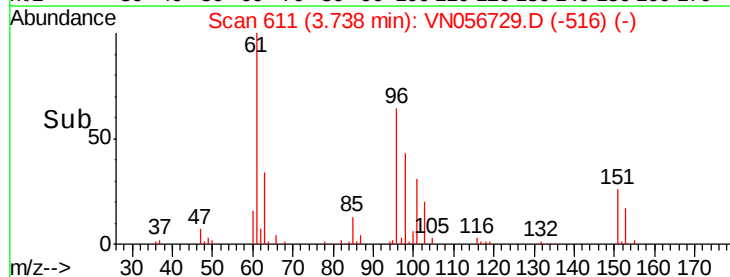
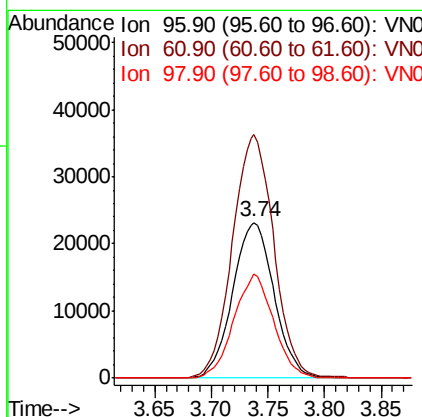
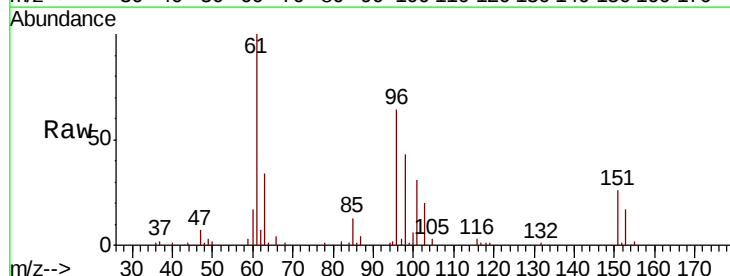
Instrument :
MSVOA_N
ClientSampleId :
VN0715WBS02

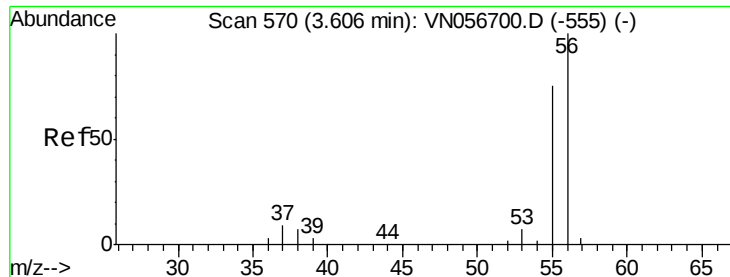
Tot Ion: 59 Resp: 57132
Ion Ratio Lower Upper
59 100
57 4.4 8.0 12.0#



#12
1,1-Dichloroethene
Concen: 19.152 ug/l
RT: 3.74 min Scan# 611
Delta R.T. 0.01 min
Lab File: VN056729.D
Acq: 15 Jul 2019 22:38

Tgt Ion: 96 Resp: 58814
Ion Ratio Lower Upper
96 100
61 156.8 126.6 189.8
98 66.9 51.4 77.2





#13

Acrolein

Concen: 98.145 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN056729.D

Acq: 15 Jul 2019 22:38

Instrument :

MSVOA_N

ClientSampleId :

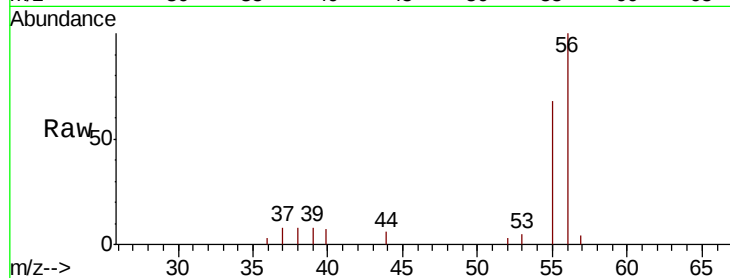
VN0715WBS02

Tot Ion: 56 Resp: 18771

Ion Ratio Lower Upper

56 100

55 70.3 58.0 87.0



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

8000

6000

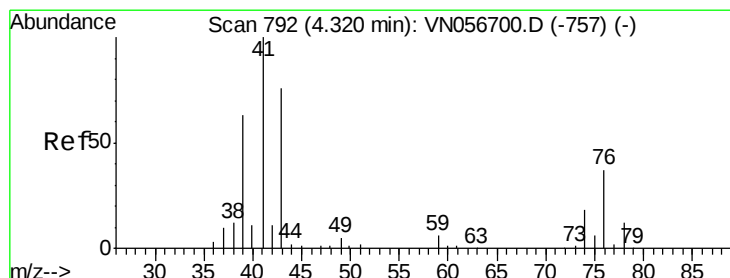
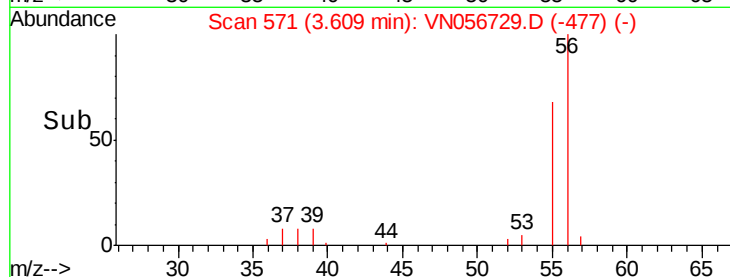
4000

2000

0

Time--> 3.50 3.55 3.60 3.65 3.70

3.61



#14

Allyl chloride

Concen: 18.357 ug/l

RT: 4.32 min Scan# 793

Delta R.T. 0.00 min

Lab File: VN056729.D

Acq: 15 Jul 2019 22:38

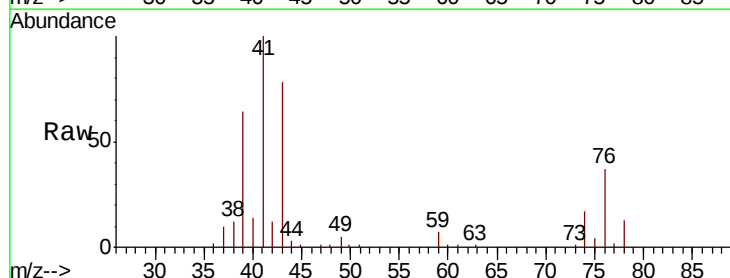
Tgt Ion: 41 Resp: 97488

Ion Ratio Lower Upper

41 100

39 59.5 46.9 70.3

76 33.6 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

40000

30000

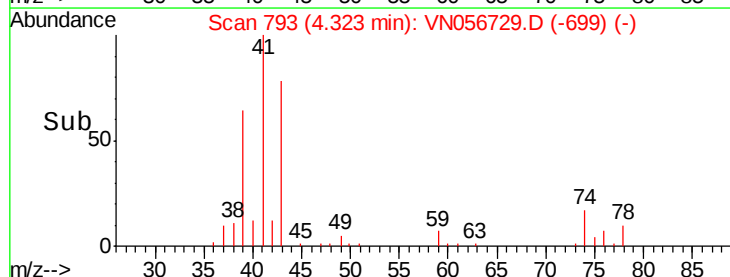
20000

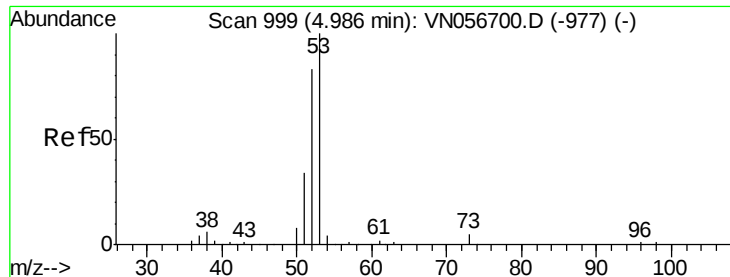
10000

0

Time--> 4.20 4.30 4.40

4.32





#15

Acrylonitrile

Concen: 96.613 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. 0.01 min

Lab File: VN056729.D

Acq: 15 Jul 2019 22:38

Instrument :

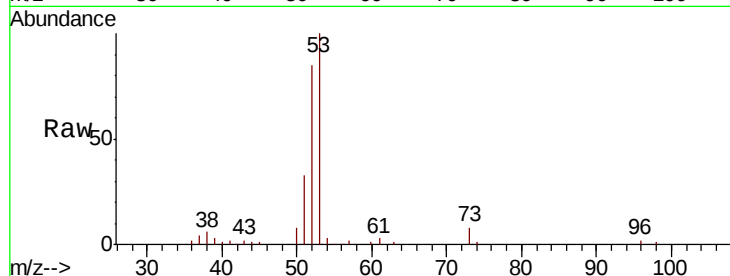
MSVOA_N

ClientSampleId :

VN0715WBS02

Tot Ion: 53 Resp: 167809

Ion	Ratio	Lower	Upper
53	100		
52	82.8	66.6	99.8
51	34.5	28.4	42.6

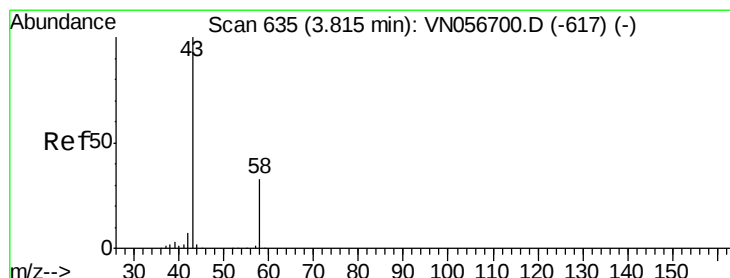
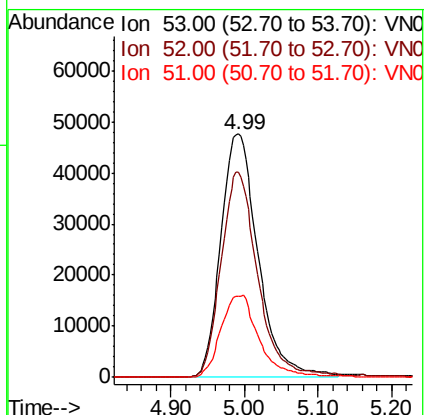
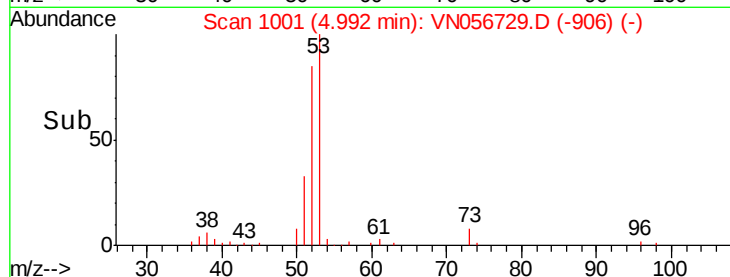


Abundance

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: 78.923 ug/l

RT: 3.82 min Scan# 636

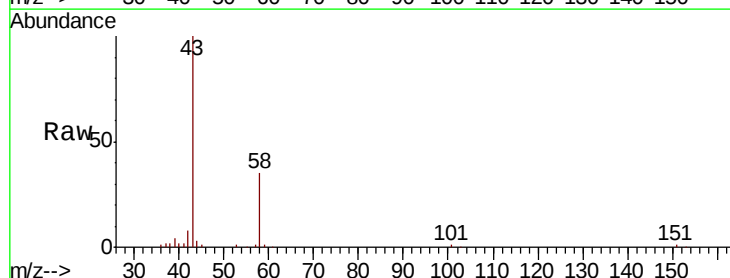
Delta R.T. 0.00 min

Lab File: VN056729.D

Acq: 15 Jul 2019 22:38

Tgt Ion: 43 Resp: 131420

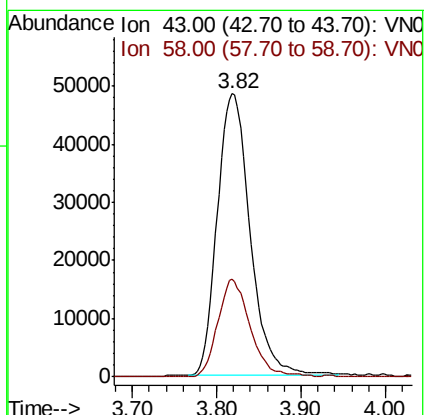
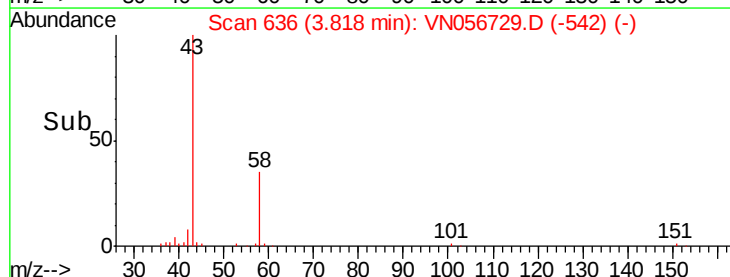
Ion	Ratio	Lower	Upper
43	100		
58	34.8	26.7	40.1

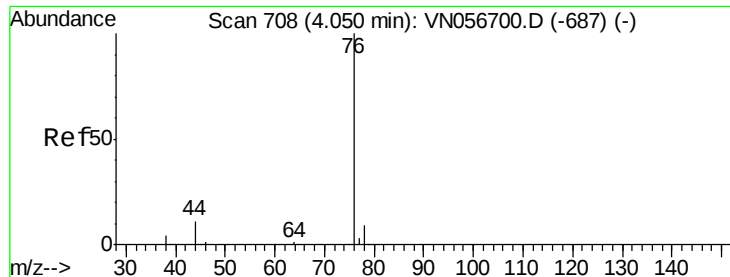


Abundance

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#17

Carbon Disulfide

Concen: 18.469 ug/l

RT: 4.05 min Scan# 709

Delta R.T. 0.00 min

Lab File: VN056729.D

Acq: 15 Jul 2019 22:38

Instrument :

MSVOA_N

ClientSampleId :

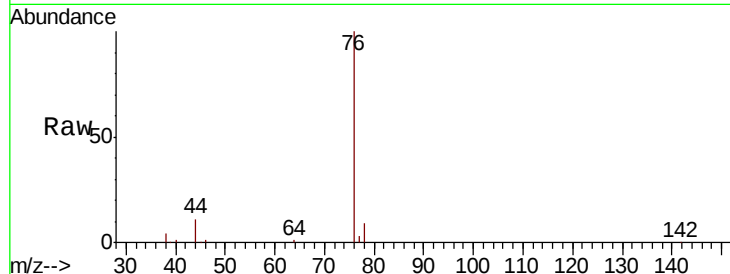
VN0715WBS02

Tot Ion: 76 Resp: 149877

Ion Ratio Lower Upper

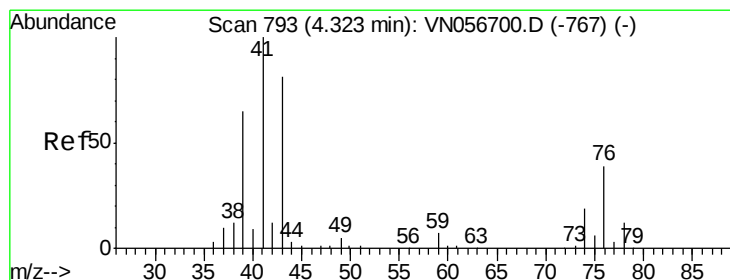
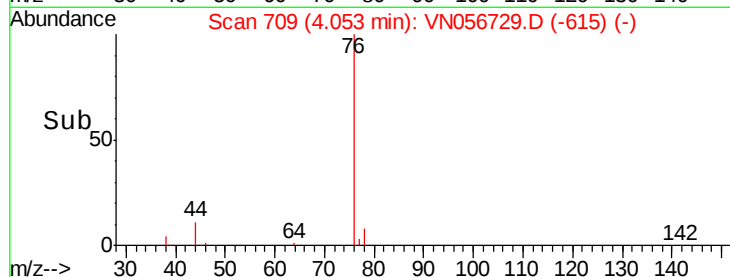
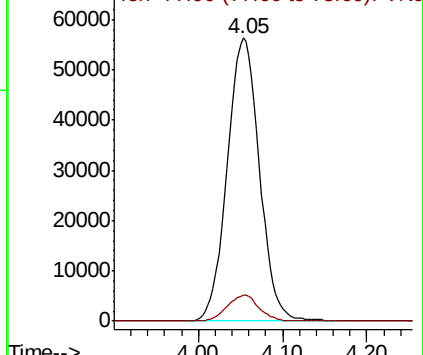
76 100

78 9.0 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: 18.948 ug/l

RT: 4.33 min Scan# 796

Delta R.T. 0.01 min

Lab File: VN056729.D

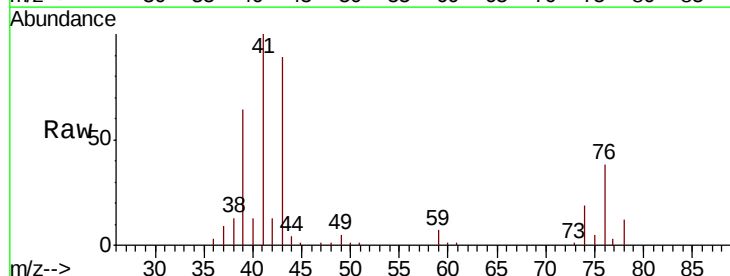
Acq: 15 Jul 2019 22:38

Tgt Ion: 43 Resp: 73123

Ion Ratio Lower Upper

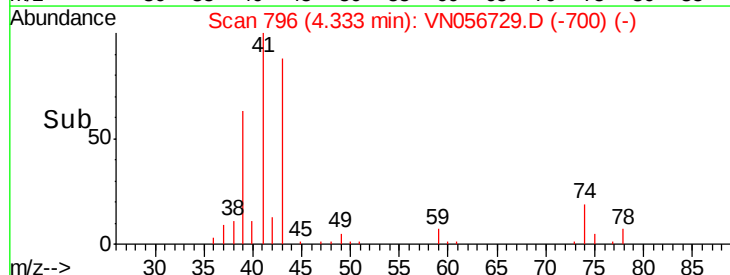
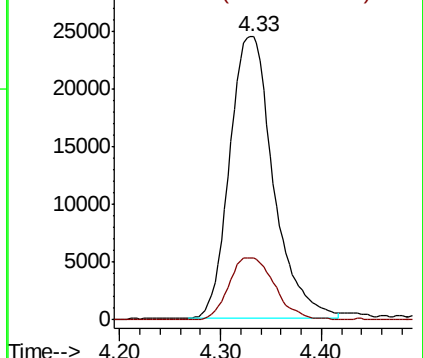
43 100

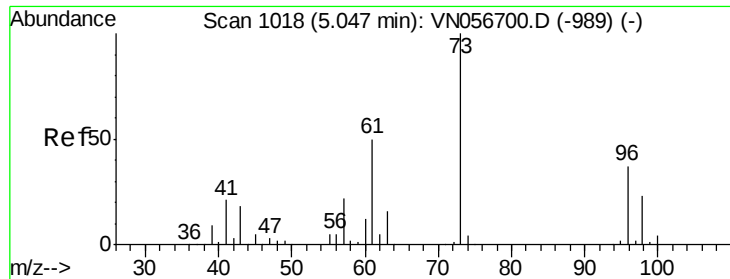
74 22.9 18.9 28.3



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

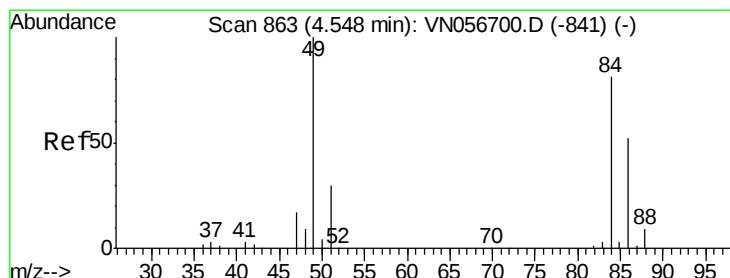
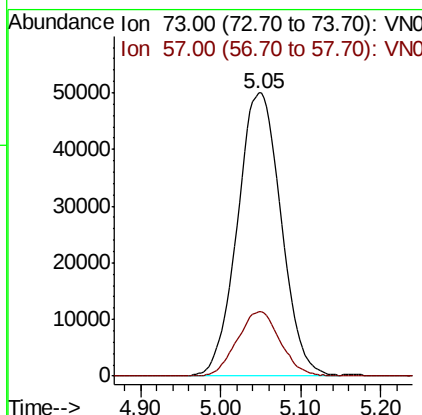
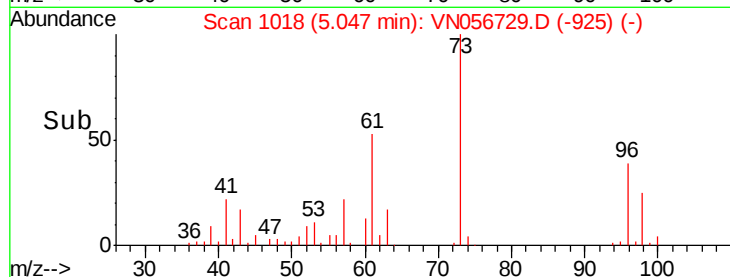
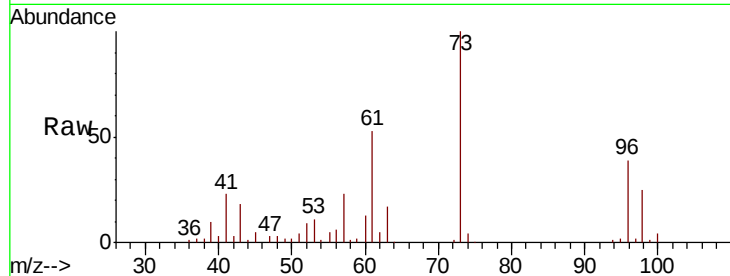




#19
Methvl tert-butvl Ether
Concen: 19.006 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VN056729.D
Acq: 15 Jul 2019 22:38

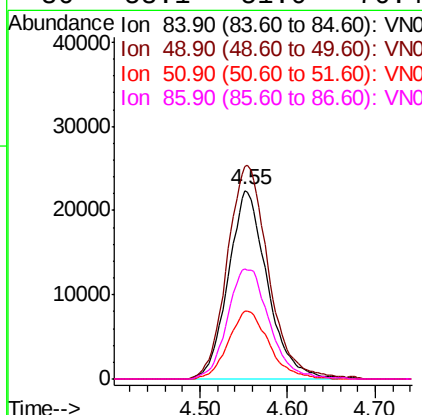
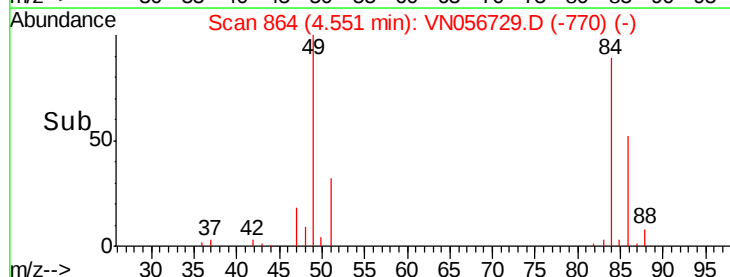
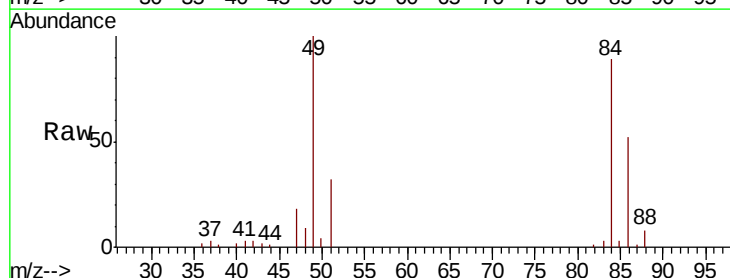
Instrument :
MSVOA_N
ClientSampleId :
VN0715WBS02

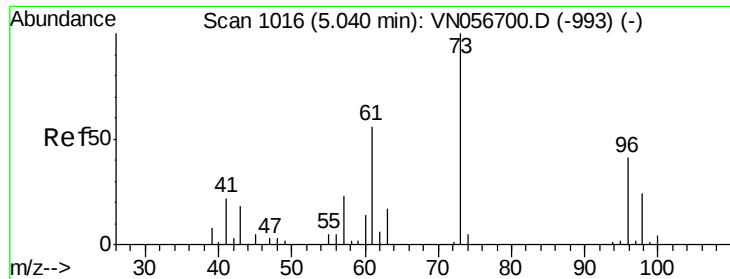
Tot Ion: 73 Resp: 185970
Ion Ratio Lower Upper
73 100
57 22.6 17.9 26.9



#20
Methylene Chloride
Concen: 19.077 ug/l
RT: 4.55 min Scan# 864
Delta R.T. 0.00 min
Lab File: VN056729.D
Acq: 15 Jul 2019 22:38

Tgt Ion: 84 Resp: 69421
Ion Ratio Lower Upper
84 100
49 112.5 98.2 147.4
51 35.9 29.6 44.4
86 58.1 51.0 76.4

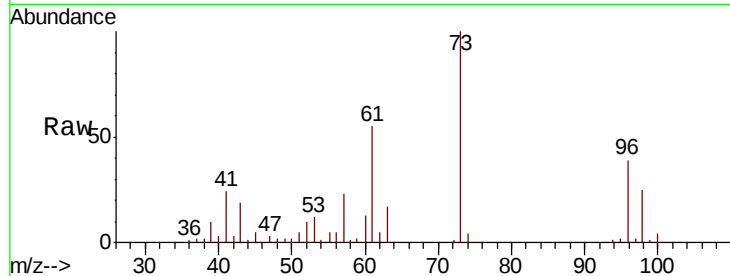




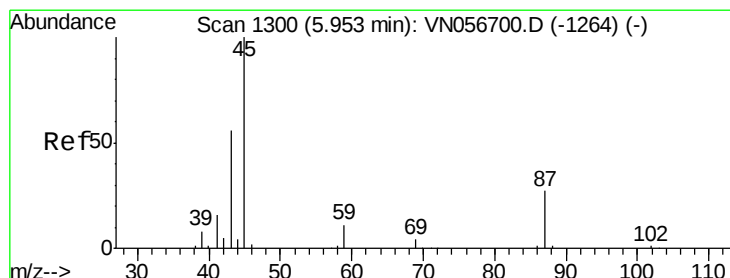
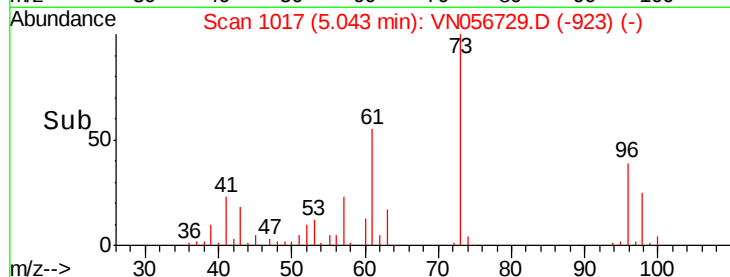
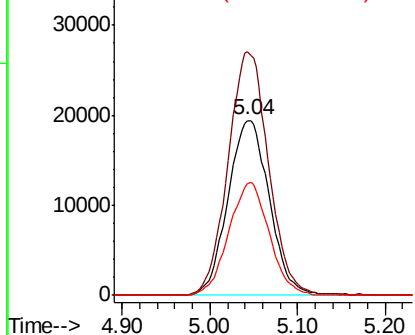
#21
trans-1,2-Dichloroethene
Concen: 19.597 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. 0.00 min
Lab File: VN056729.D
Acq: 15 Jul 2019 22:38

Instrument :
MSVOA_N
ClientSampleId :
VN0715WBS02

Tot Ion: 96 Resp: 63615
Ion Ratio Lower Upper
96 100
61 139.5 109.4 164.2
98 64.2 48.0 72.0

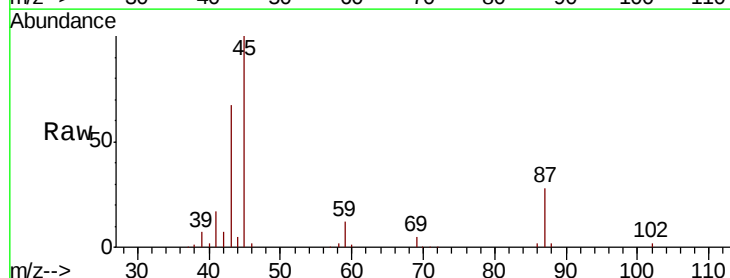


Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0

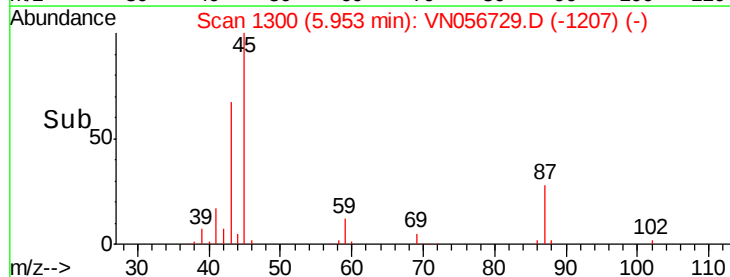
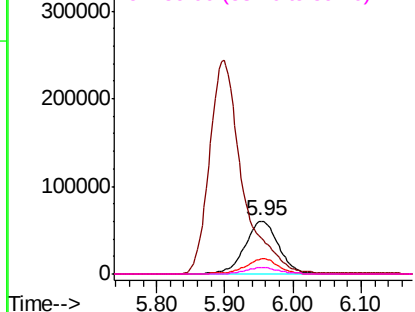


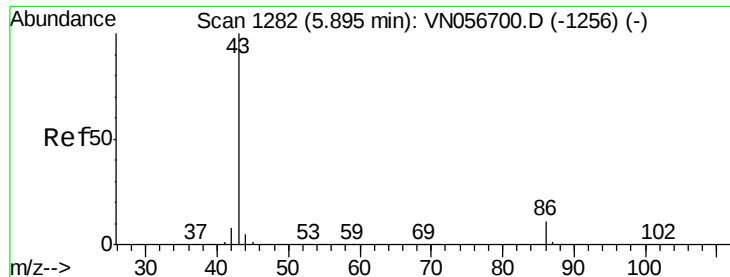
#22
Diisopropyl ether
Concen: 19.781 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. -0.00 min
Lab File: VN056729.D
Acq: 15 Jul 2019 22:38

Tgt Ion: 45 Resp: 207362
Ion Ratio Lower Upper
45 100
43 64.8 45.6 68.4
87 28.2 22.0 33.0
59 12.3 9.3 13.9



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





#23

Vinyl Acetate

Concen: 96.224 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VN056729.D

Acq: 15 Jul 2019 22:38

Instrument :

MSVOA_N

ClientSampled :

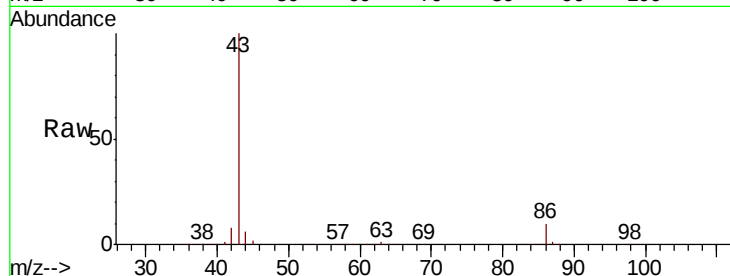
VN0715WBS02

Tot Ion: 43 Resp: 817382

Ion Ratio Lower Upper

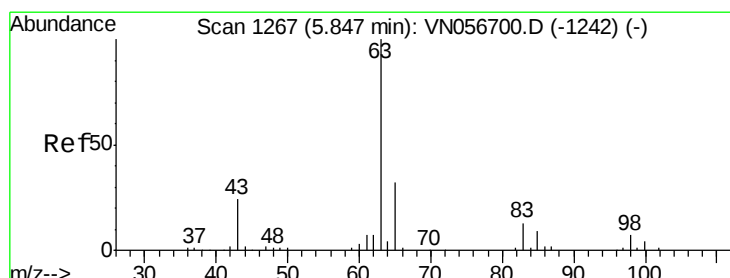
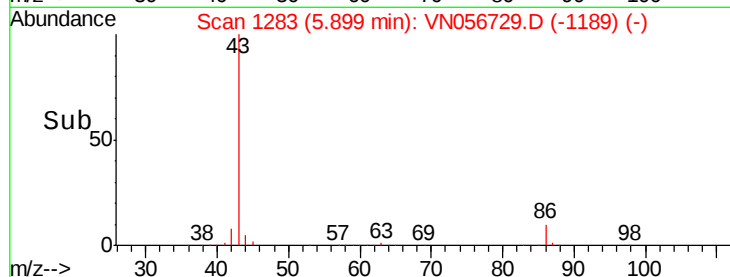
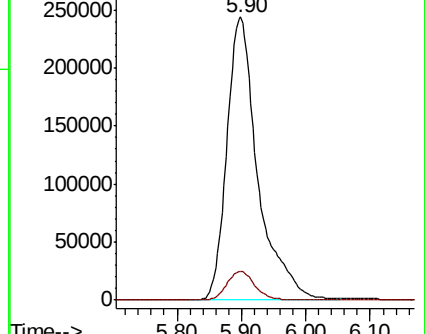
43 100

86 10.2 8.5 12.7



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 19.209 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. 0.00 min

Lab File: VN056729.D

Acq: 15 Jul 2019 22:38

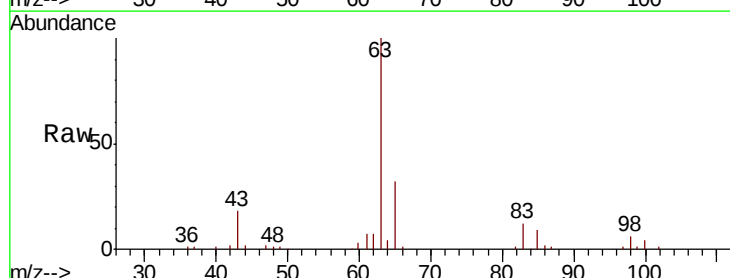
Tgt Ion: 63 Resp: 116745

Ion Ratio Lower Upper

63 100

98 6.4 3.3 9.9

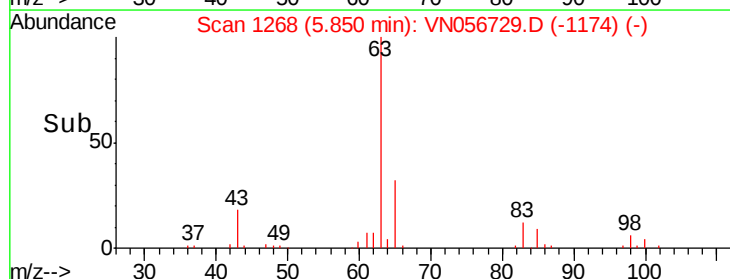
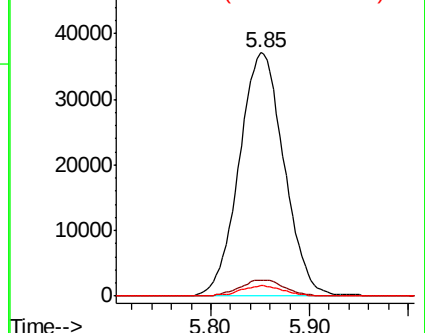
100 4.2 2.0 5.8

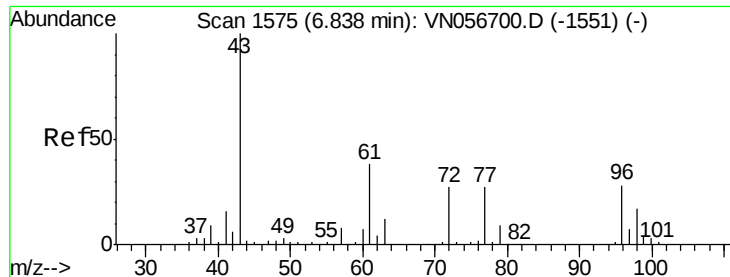


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 89.396 ug/l

RT: 6.84 min Scan# 1576

Delta R.T. 0.00 min

Lab File: VN056729.D

Acq: 15 Jul 2019 22:38

Instrument :

MSVOA_N

ClientSampleId :

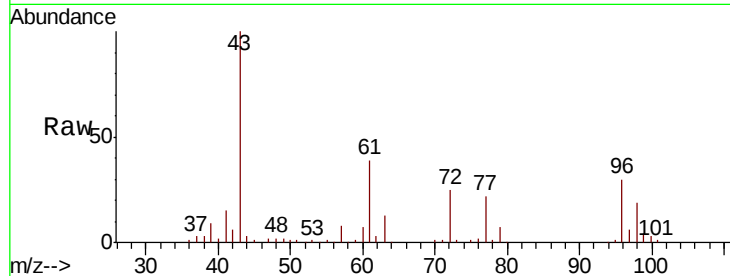
VN0715WBS02

Tot Ion: 43 Resp: 217634

Ion Ratio Lower Upper

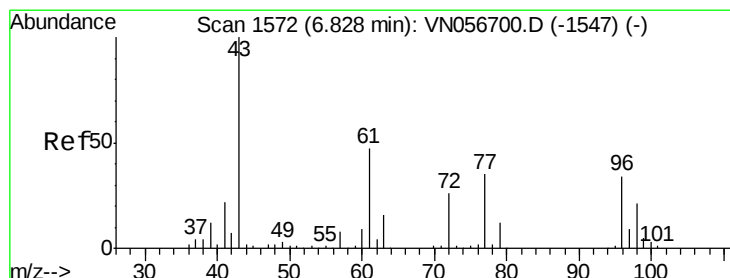
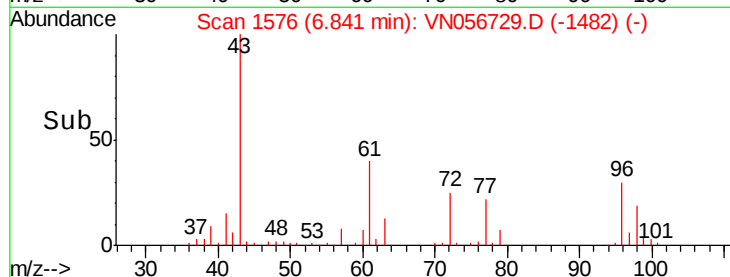
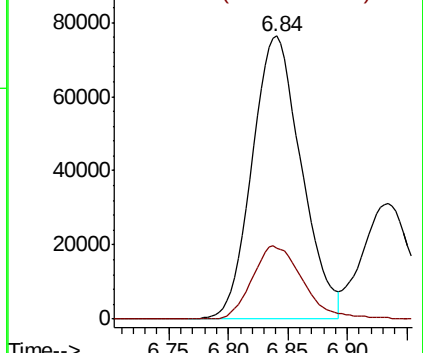
43 100

72 25.3 21.2 31.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#26

2,2-Dichloropropane

Concen: 15.775 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. -0.00 min

Lab File: VN056729.D

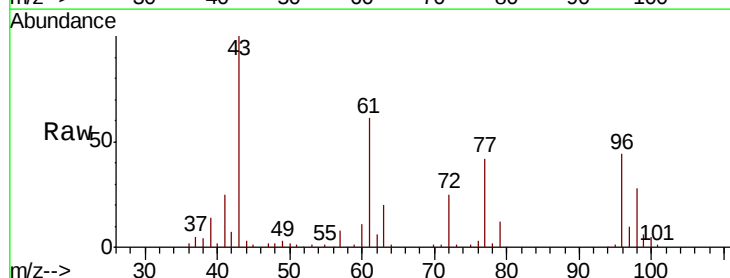
Acq: 15 Jul 2019 22:38

Tgt Ion: 77 Resp: 69130

Ion Ratio Lower Upper

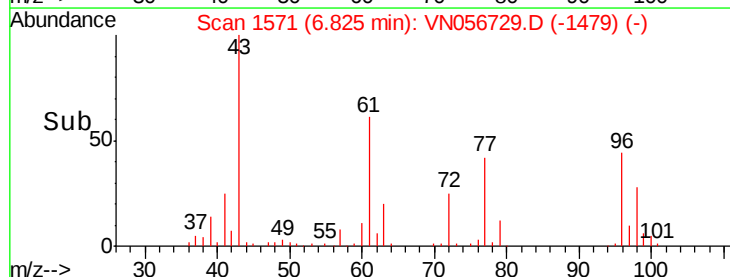
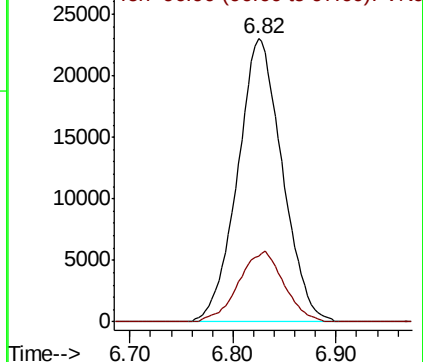
77 100

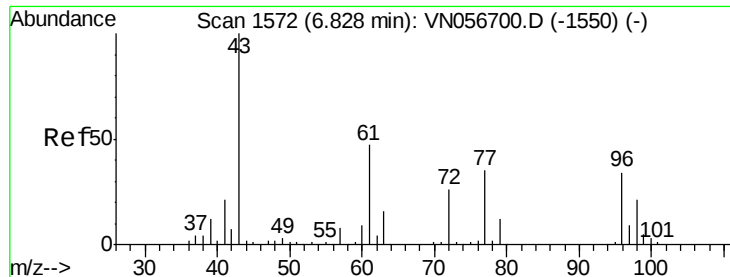
97 25.3 12.2 36.6



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0





#27

cis-1,2-Dichloroethene

Concen: 19.863 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN056729.D

Acq: 15 Jul 2019 22:38

Instrument :

MSVOA_N

ClientSampleId :

VN0715WBS02

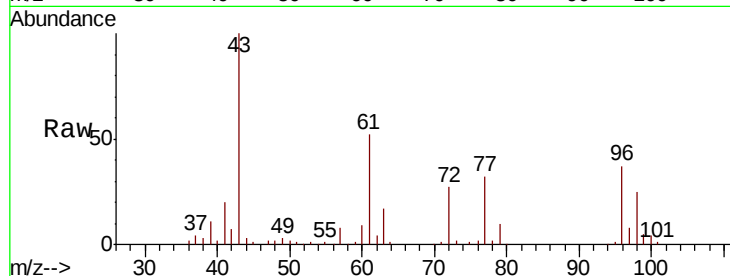
Tot Ion: 96 Resp: 74193

Ion Ratio Lower Upper

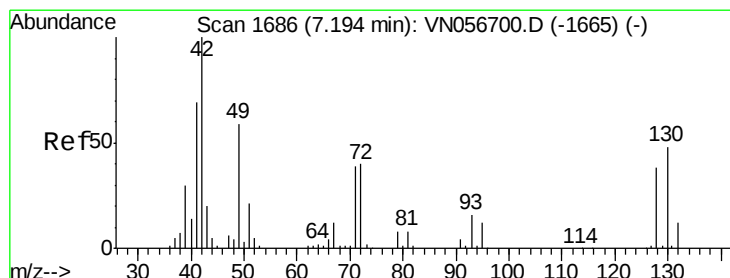
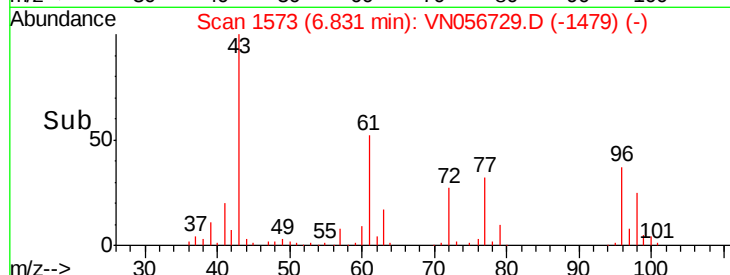
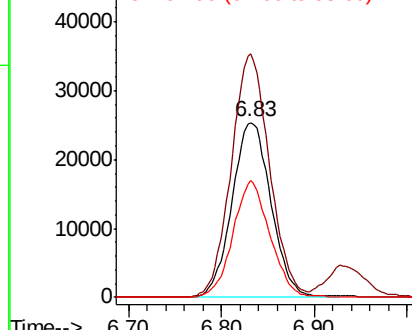
96 100

61 136.3 0.0 281.4

98 63.3 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: 19.161 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. 0.00 min

Lab File: VN056729.D

Acq: 15 Jul 2019 22:38

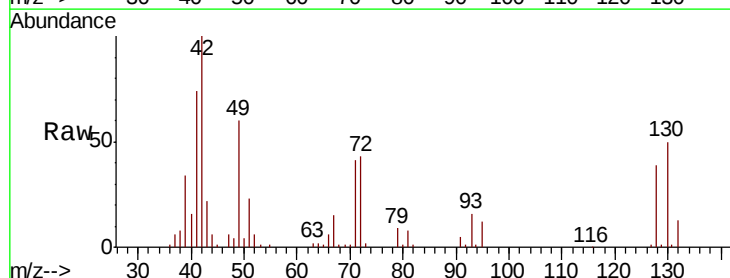
Tgt Ion: 49 Resp: 54754

Ion Ratio Lower Upper

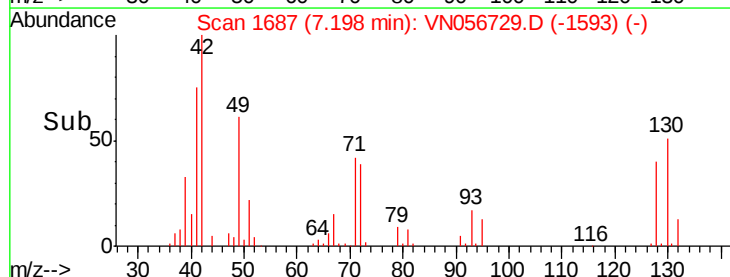
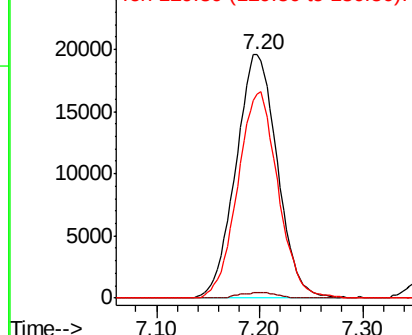
49 100

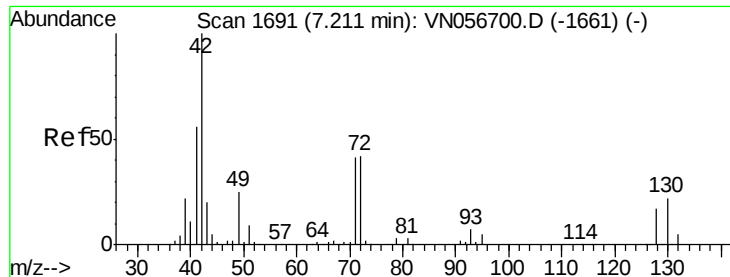
129 2.0 0.0 4.0

130 82.3 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

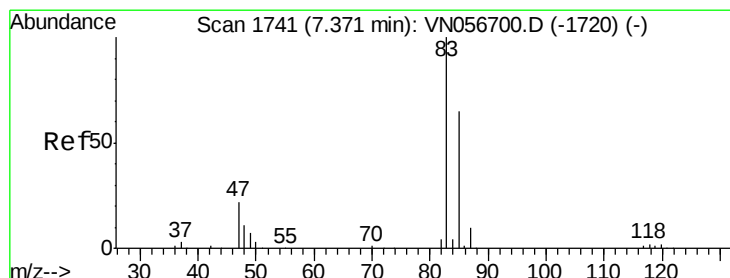
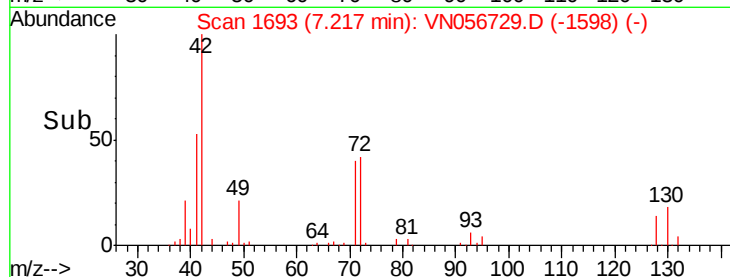
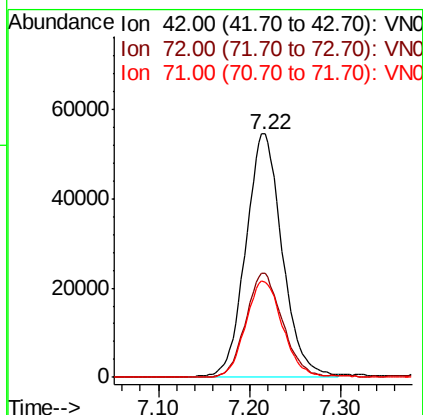
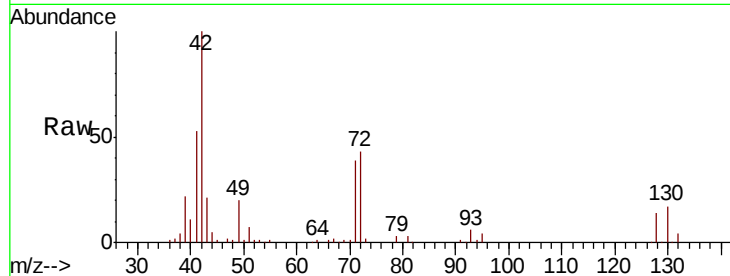




#29
Tetrahydrofuran
Concen: 96.025 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. 0.01 min
Lab File: VN056729.D
Acq: 15 Jul 2019 22:38

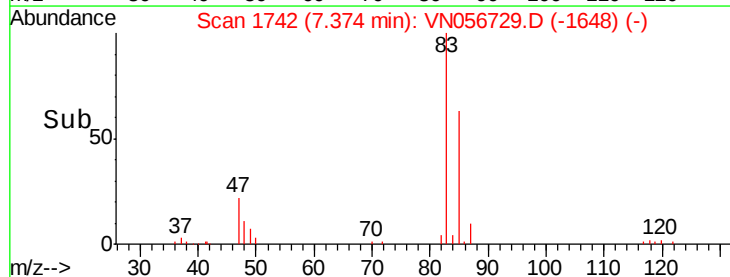
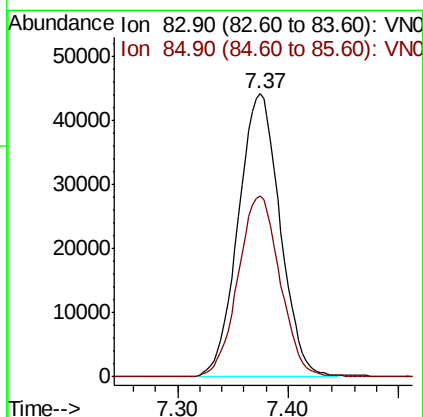
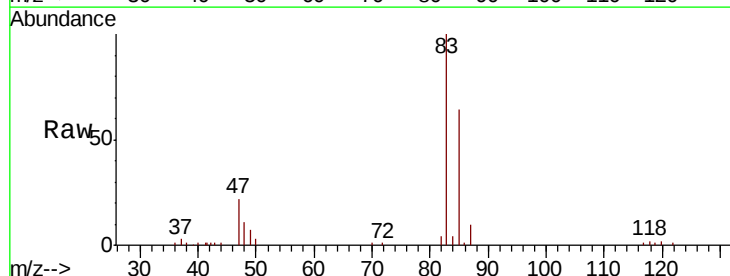
Instrument :
MSVOA_N
ClientSampleId :
VN0715WBS02

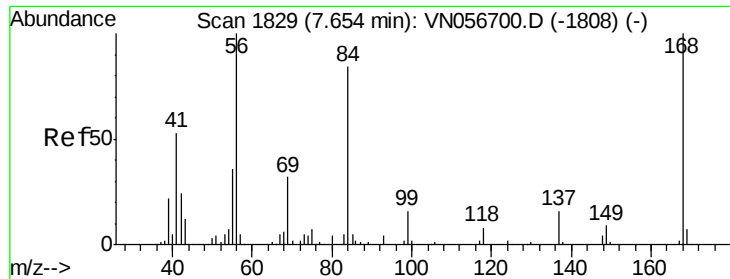
Tot Ion: 42 Resp: 152473
Ion Ratio Lower Upper
42 100
72 42.8 33.5 50.3
71 40.3 31.8 47.8



#30
Chloroform
Concen: 19.109 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN056729.D
Acq: 15 Jul 2019 22:38

Tgt Ion: 83 Resp: 116218
Ion Ratio Lower Upper
83 100
85 63.8 51.9 77.9

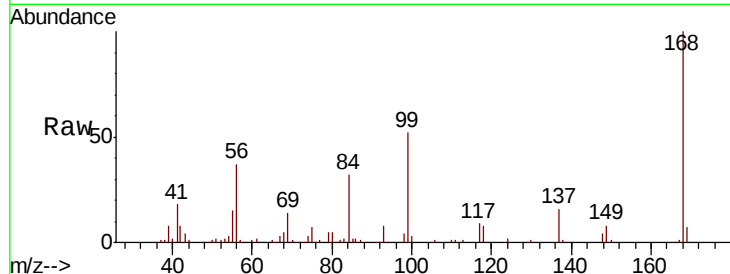




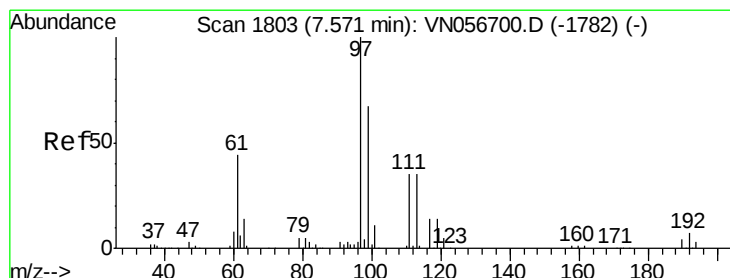
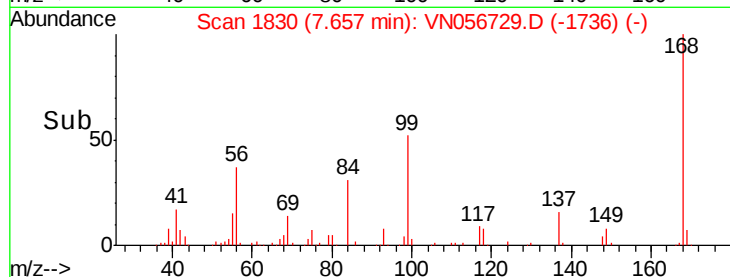
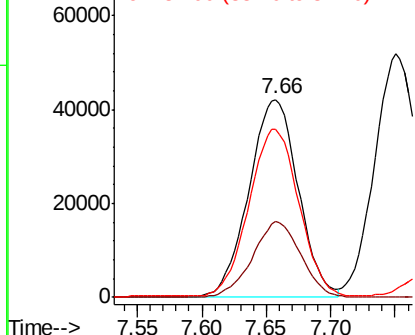
#31
Cyclohexane
Concen: 19.443 ug/l
RT: 7.66 min Scan# 1830
Delta R.T. 0.00 min
Lab File: VN056729.D
Acq: 15 Jul 2019 22:38

Instrument :
MSVOA_N
ClientSampleId :
VN0715WBS02

Tot Ion: 56 Resp: 112311
Ion Ratio Lower Upper
56 100
69 38.2 25.8 38.8
84 84.3 67.4 101.0

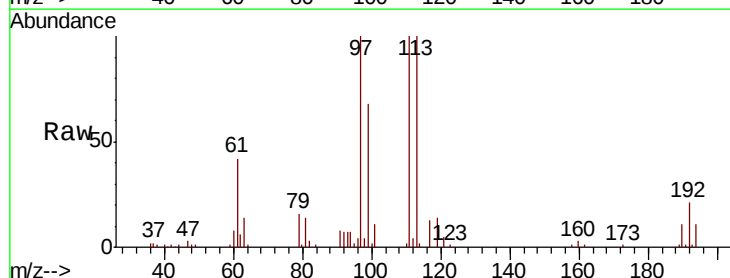


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

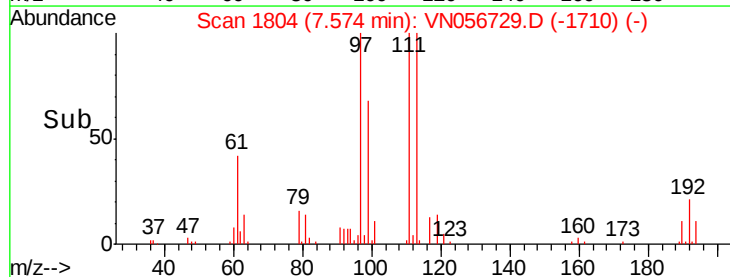
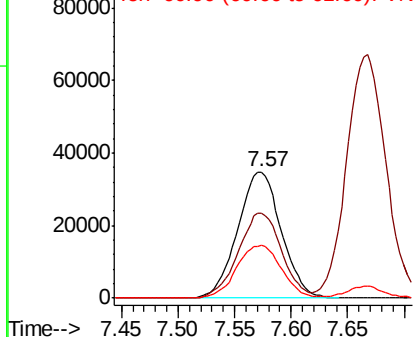


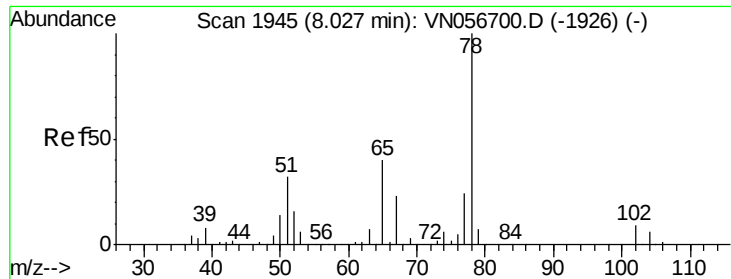
#32
1,1,1-Trichloroethane
Concen: 19.337 ug/l
RT: 7.57 min Scan# 1804
Delta R.T. 0.00 min
Lab File: VN056729.D
Acq: 15 Jul 2019 22:38

Tgt Ion: 97 Resp: 93007
Ion Ratio Lower Upper
97 100
99 67.4 52.0 78.0
61 43.0 34.3 51.5



Abundance Ion 96.90 (96.60 to 97.60): VN0
Ion 98.90 (98.60 to 99.60): VN0
Ion 60.90 (60.60 to 61.60): VN0

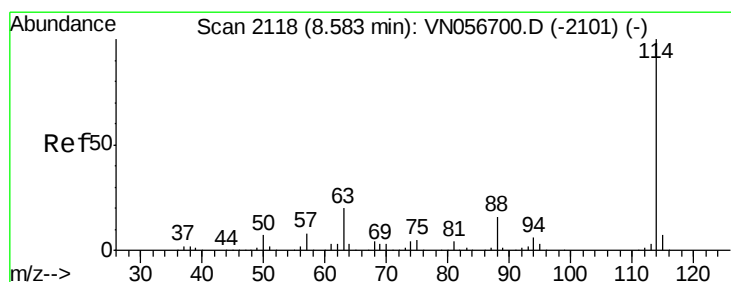
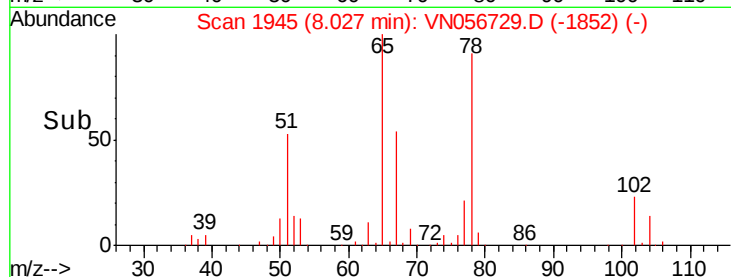
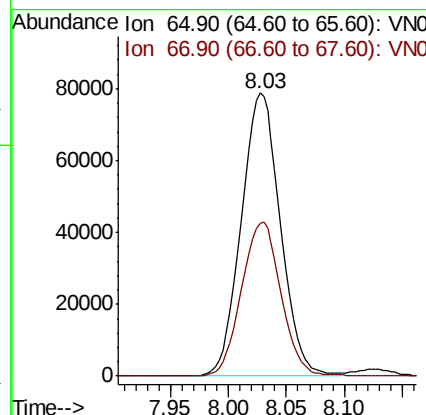
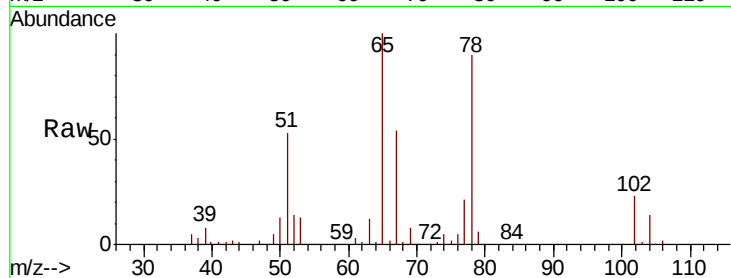




#33
 1,2-Dichloroethane-d4
 Concen: 51.096 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN056729.D
 Acq: 15 Jul 2019 22:38

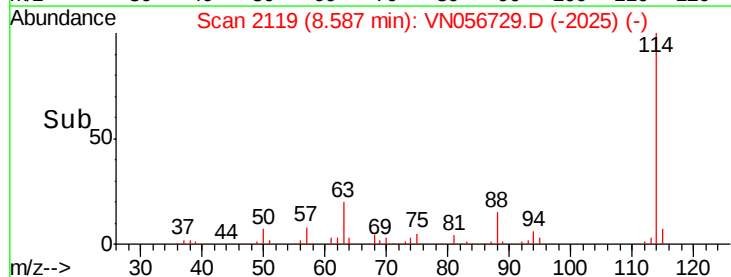
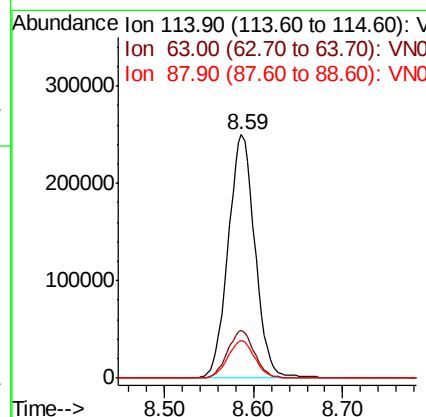
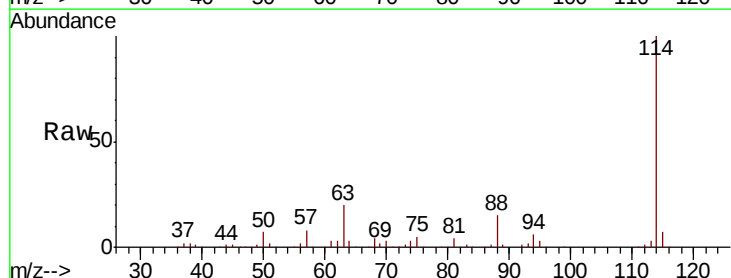
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0715WBS02

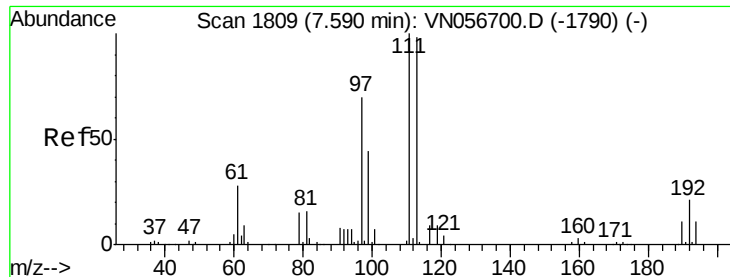
Tot Ion: 65 Resp: 184633
 Ion Ratio Lower Upper
 65 100
 67 55.0 0.0 109.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN056729.D
 Acq: 15 Jul 2019 22:38

Tgt Ion: 114 Resp: 520371
 Ion Ratio Lower Upper
 114 100
 63 19.6 0.0 39.4
 88 15.2 0.0 31.2

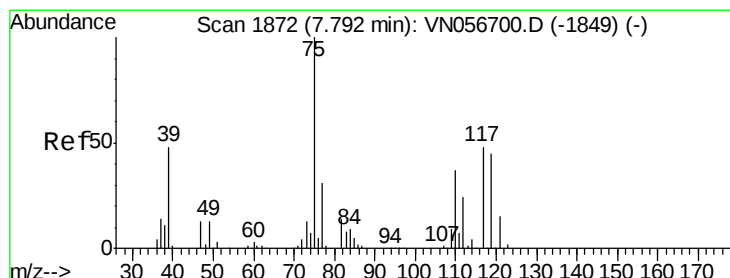
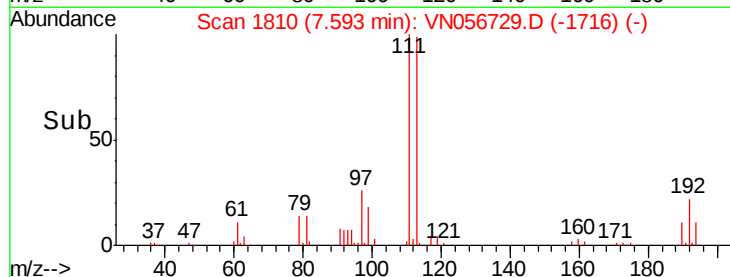
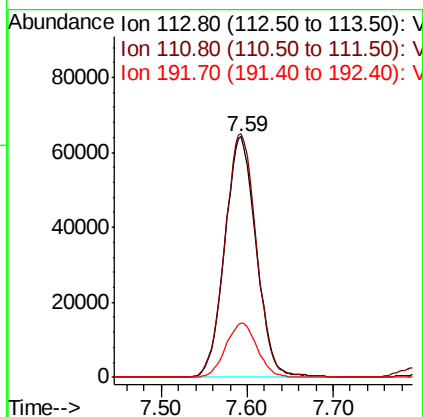
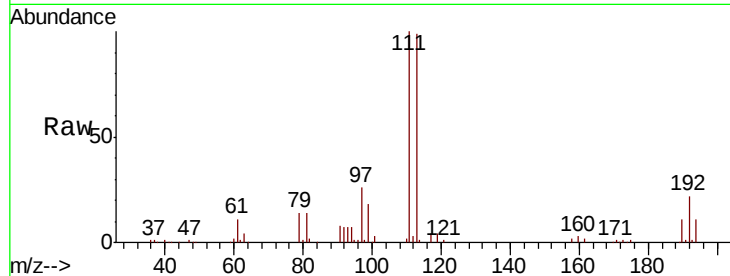




#35
 Dibromofluoromethane
 Concen: 50.390 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN056729.D
 Acq: 15 Jul 2019 22:38

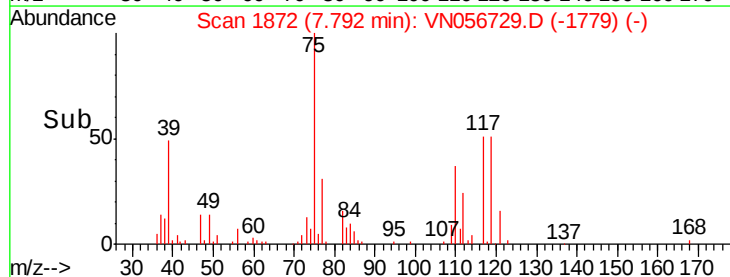
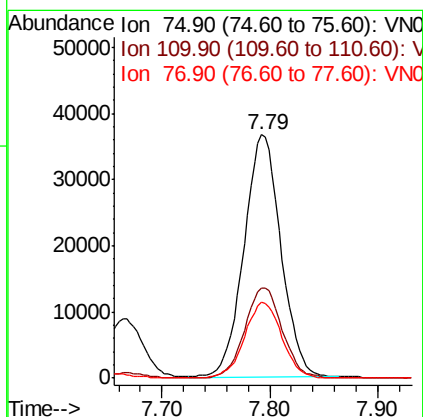
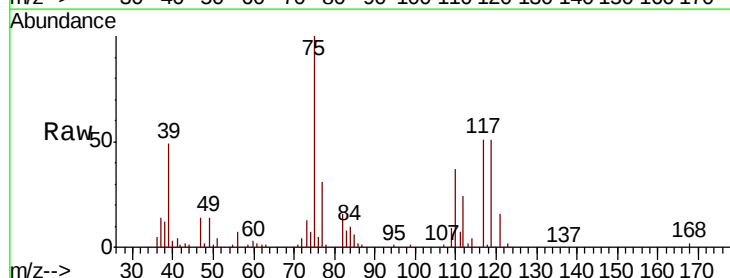
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0715WBS02

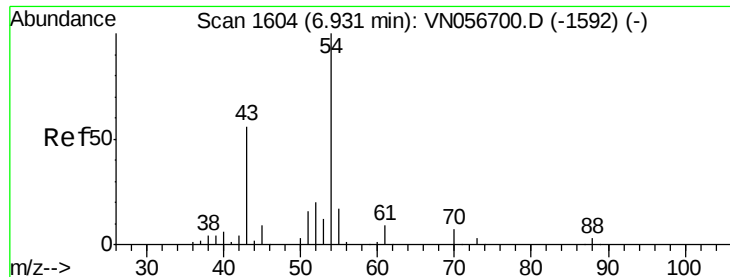
Tot Ion:113 Resp: 163182
 Ion Ratio Lower Upper
 113 100
 111 101.8 81.8 122.6
 192 22.3 17.5 26.3



#36
 1,1-Dichloropropene
 Concen: 18.114 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. -0.00 min
 Lab File: VN056729.D
 Acq: 15 Jul 2019 22:38

Tgt Ion: 75 Resp: 87226
 Ion Ratio Lower Upper
 75 100
 110 37.7 18.4 55.4
 77 31.5 24.6 36.8

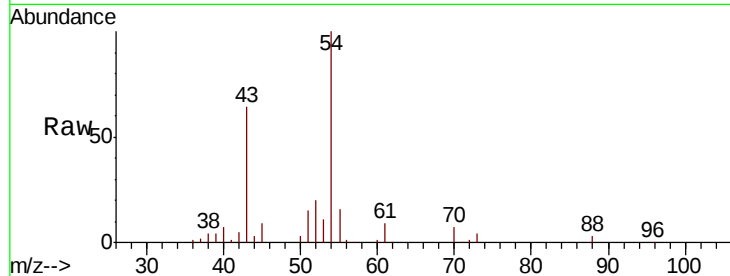




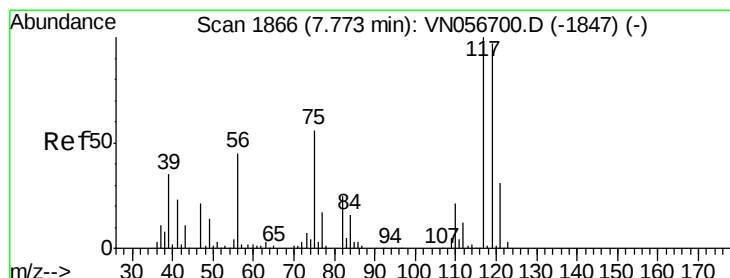
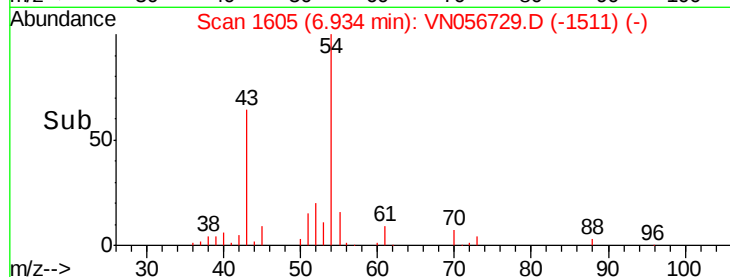
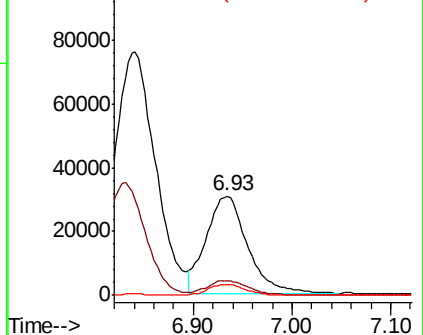
#37
Ethyl Acetate
Concen: 19.065 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. 0.00 min
Lab File: VN056729.D
Acq: 15 Jul 2019 22:38

Instrument :
MSVOA_N
ClientSampleId :
VN0715WBS02

Tot Ion: 43 Resp: 90482
Ion Ratio Lower Upper
43 100
61 15.4 11.3 16.9
70 10.3 8.5 12.7

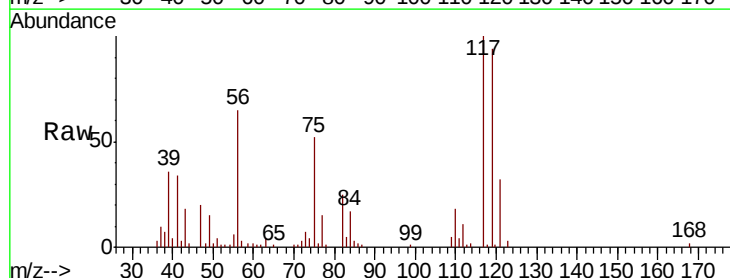


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

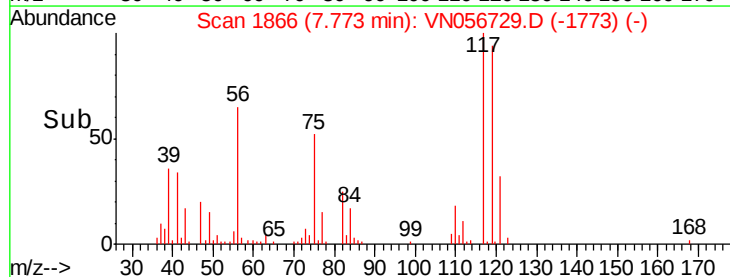
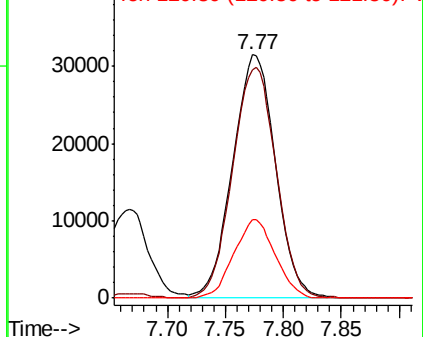


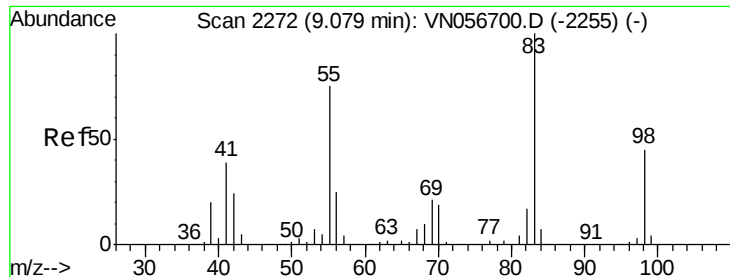
#38
Carbon Tetrachloride
Concen: 17.909 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN056729.D
Acq: 15 Jul 2019 22:38

Tgt Ion: 117 Resp: 80875
Ion Ratio Lower Upper
117 100
119 93.8 77.5 116.3
121 32.2 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

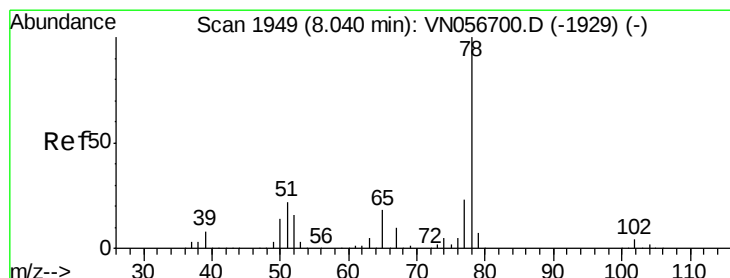
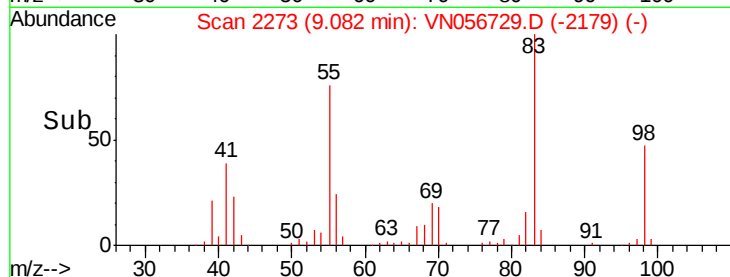
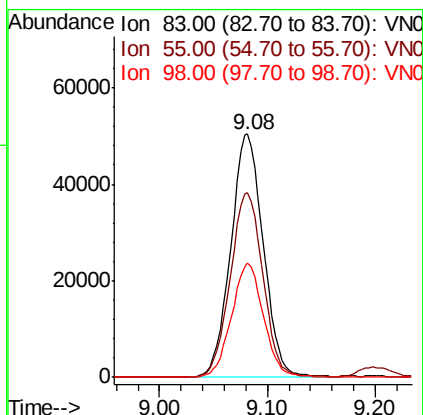
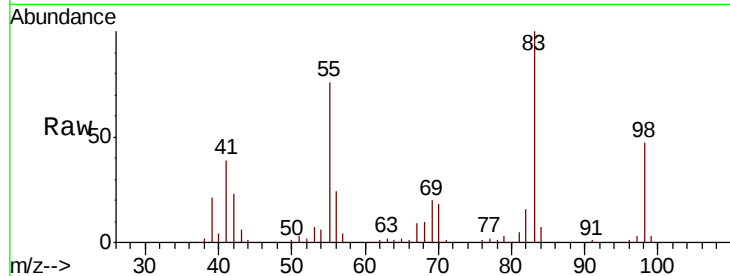




#39
Methvlcvclohexane
Concen: 17.846 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN056729.D
Acq: 15 Jul 2019 22:38

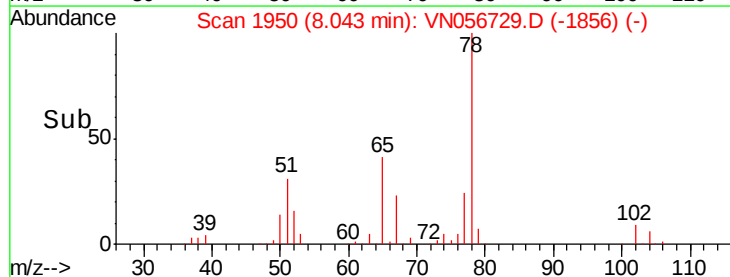
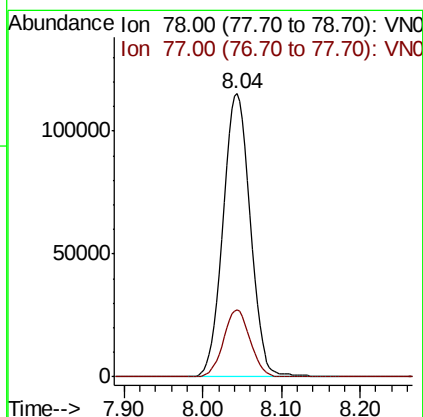
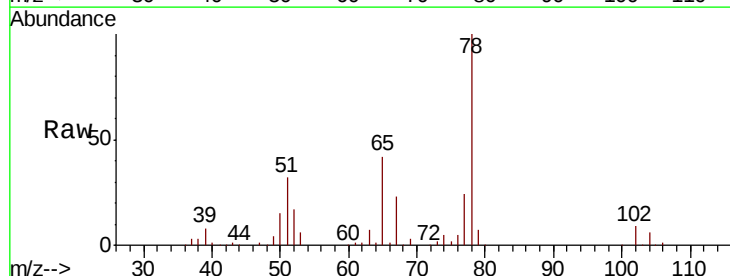
Instrument :
MSVOA_N
ClientSampleId :
VN0715WBS02

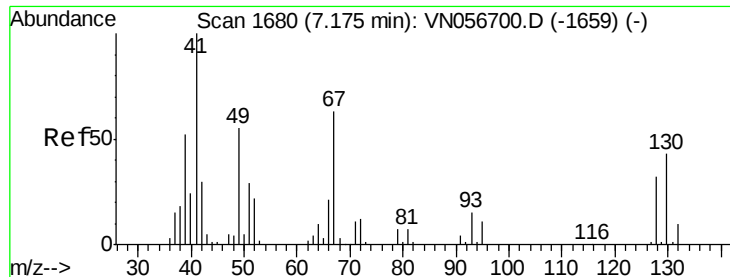
Tot Ion: 83 Resp: 106108
Ion Ratio Lower Upper
83 100
55 75.8 60.4 90.6
98 46.7 35.8 53.8



#40
Benzene
Concen: 18.714 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN056729.D
Acq: 15 Jul 2019 22:38

Tgt Ion: 78 Resp: 276114
Ion Ratio Lower Upper
78 100
77 23.7 18.6 27.8

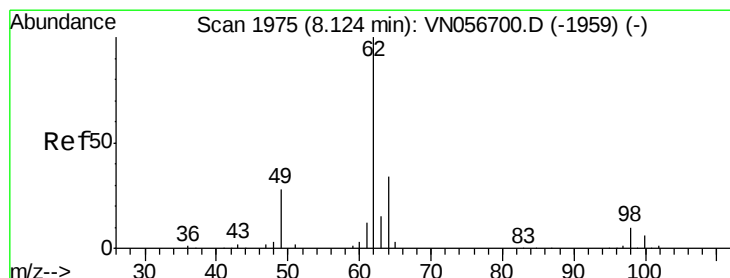
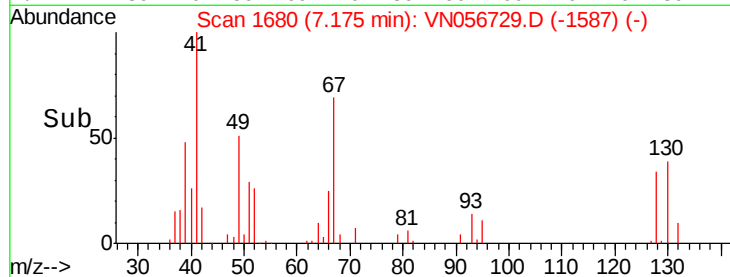
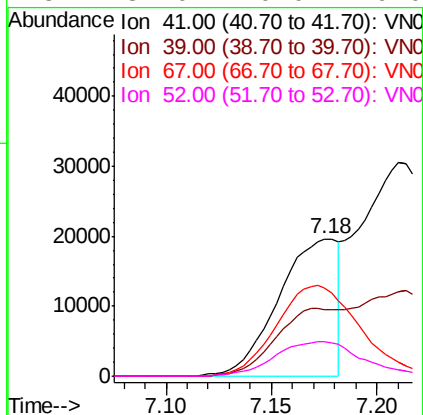
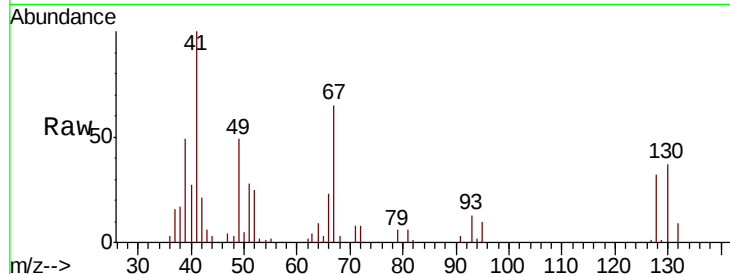




#41
Methacrylonitrile
Concen: 18.470 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. -0.00 min
Lab File: VN056729.D
Acq: 15 Jul 2019 22:38

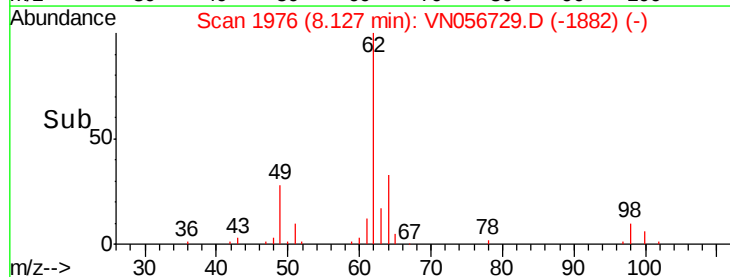
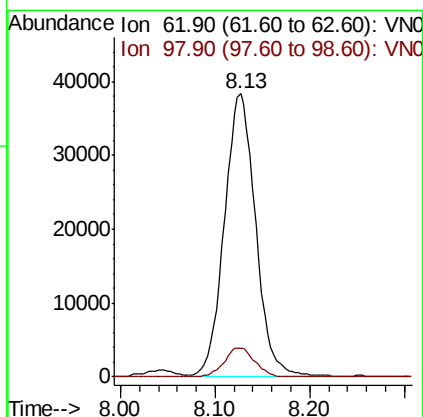
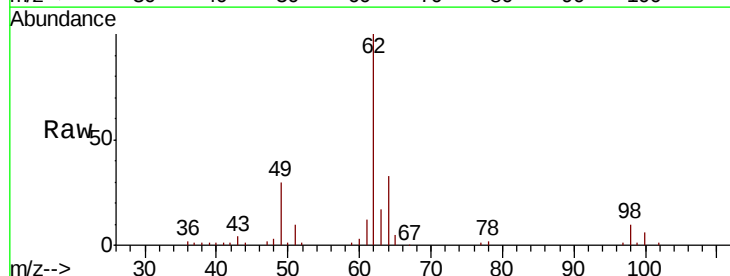
Instrument :
MSVOA_N
ClientSampleId :
VN0715WBS02

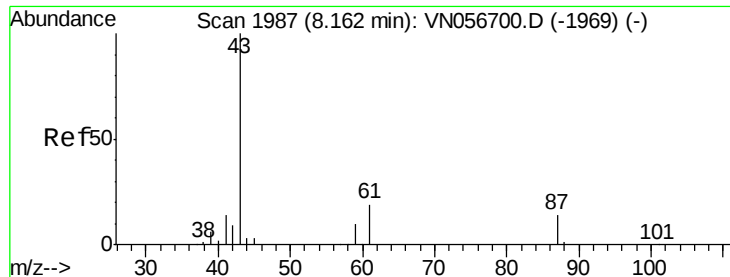
Tot Ion:	41	Resp:	38505
Ion	Ratio	Lower	Upper
41	100		
39	50.5	0.0	0.0#
67	93.8	0.0	0.0#
52	37.0	0.0	0.0#



#42
1,2-Dichloroethane
Concen: 18.926 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN056729.D
Acq: 15 Jul 2019 22:38

Tgt Ion:	62	Resp:	88253
Ion	Ratio	Lower	Upper
62	100		
98	9.9	0.0	19.8





#43

Isopropyl Acetate

Concen: 18.316 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN056729.D

Acq: 15 Jul 2019 22:38

Instrument :

MSVOA_N

ClientSampleId :

VN0715WBS02

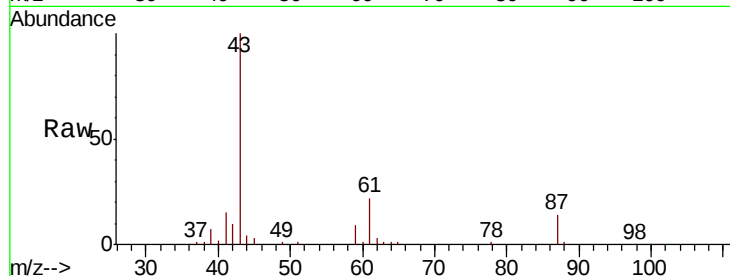
Tot Ion: 43 Resp: 136657

Ion Ratio Lower Upper

43 100

61 28.8 22.3 33.5

87 13.3 11.1 16.7



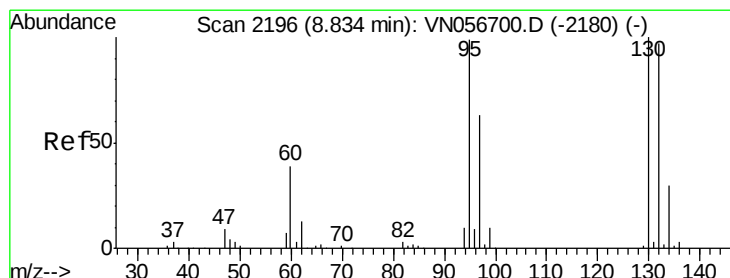
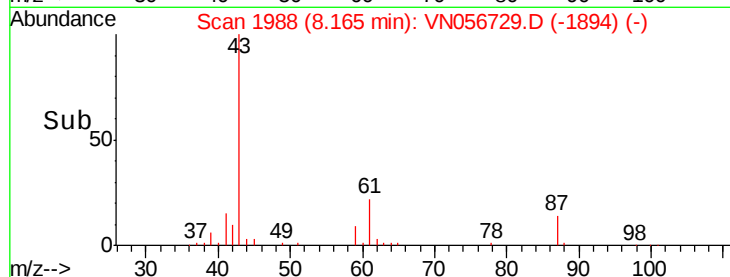
Abundance Ion 43.00 (42.70 to 43.70): VN056729.D (-1988) (-)

Ion 61.00 (60.70 to 61.70): VN056729.D (-1988) (-)

Ion 87.00 (86.70 to 87.70): VN056729.D (-1988) (-)

8.17

Time--> 8.05 8.10 8.15 8.20 8.25



#44

Trichloroethene

Concen: 18.605 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN056729.D

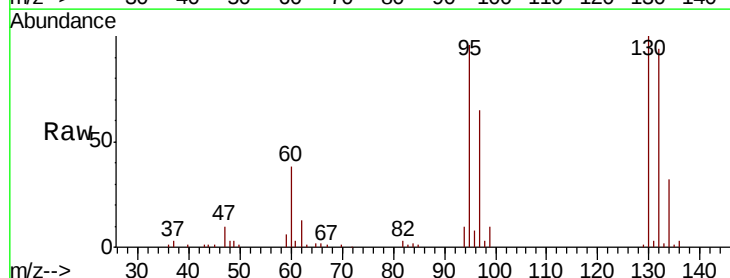
Acq: 15 Jul 2019 22:38

Tgt Ion:130 Resp: 74544

Ion Ratio Lower Upper

130 100

95 95.6 0.0 197.2

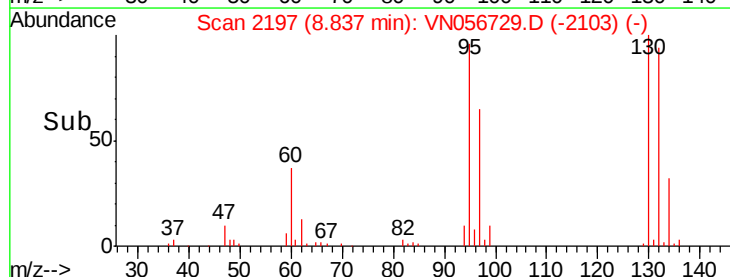


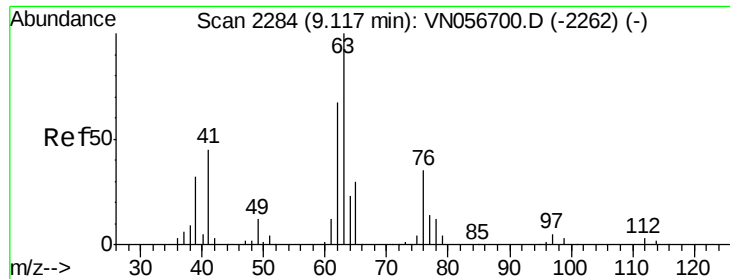
Abundance Ion 129.80 (129.50 to 130.50): VN056729.D (-2197) (-)

Ion 94.90 (94.60 to 95.60): VN056729.D (-2197) (-)

8.84

Time--> 8.75 8.80 8.85 8.90

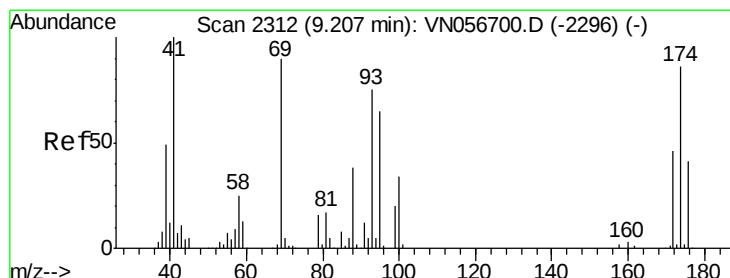
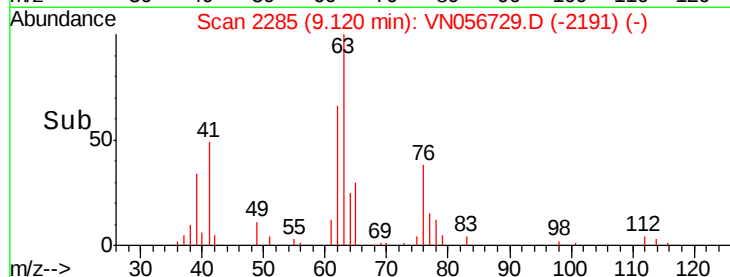
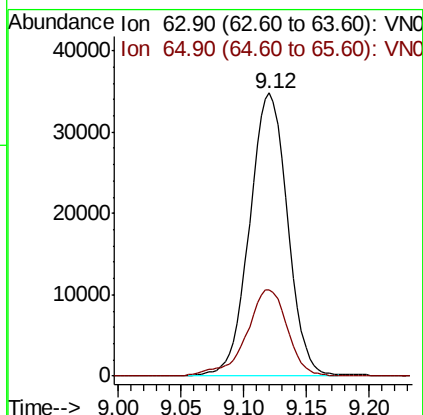
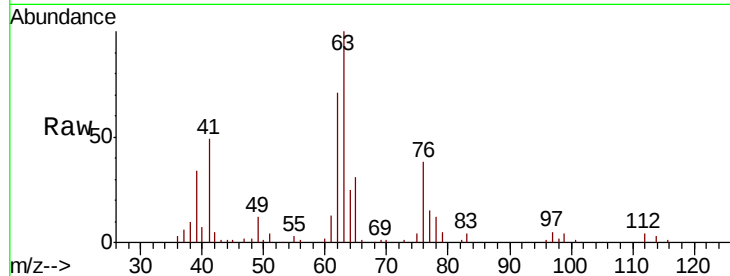




#45
 1,2-Dichloropropane
 Concen: 18.707 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN056729.D
 Acq: 15 Jul 2019 22:38

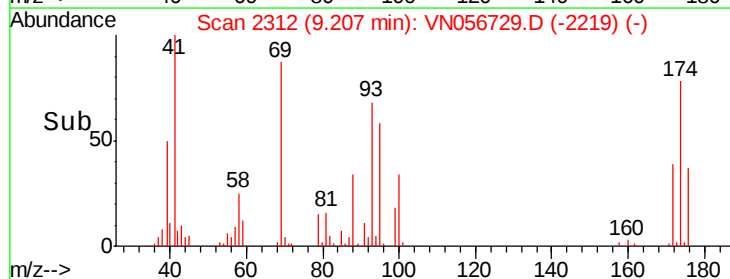
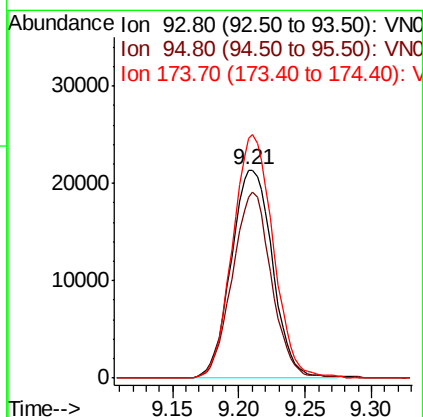
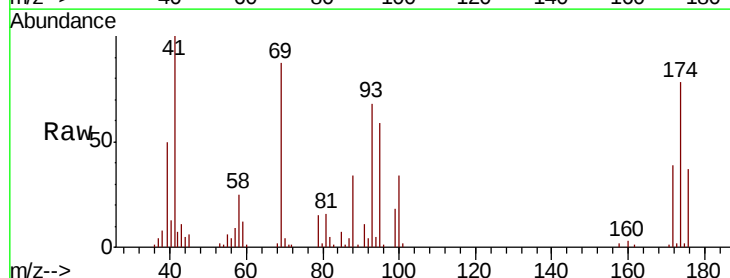
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0715WBS02

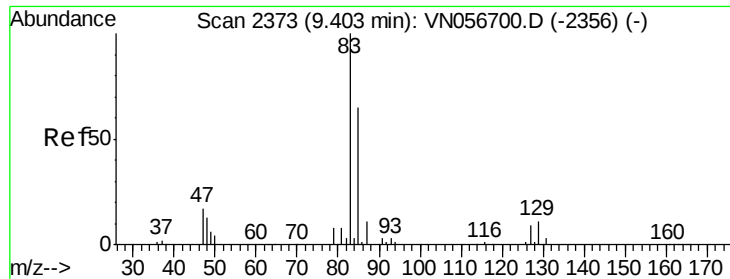
Tot Ion: 63 Resp: 73342
 Ion Ratio Lower Upper
 63 100
 65 30.6 24.0 36.0



#46
 Dibromomethane
 Concen: 19.060 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN056729.D
 Acq: 15 Jul 2019 22:38

Tgt Ion: 93 Resp: 46308
 Ion Ratio Lower Upper
 93 100
 95 84.5 67.4 101.0
 174 114.5 90.3 135.5





#47

Bromodichloromethane

Concen: 18.664 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN056729.D

Acq: 15 Jul 2019 22:38

Instrument :

MSVOA_N

ClientSampleId :

VN0715WBS02

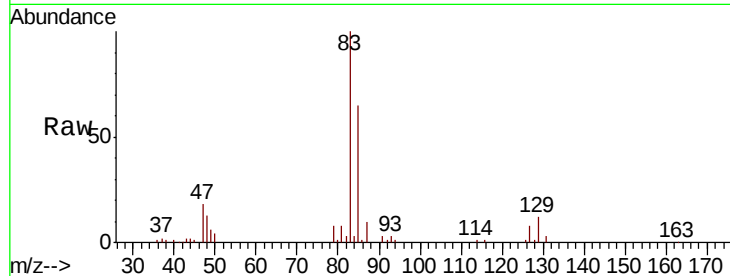
Tot Ion: 83 Resp: 86168

Ion Ratio Lower Upper

83 100

85 65.2 52.3 78.5

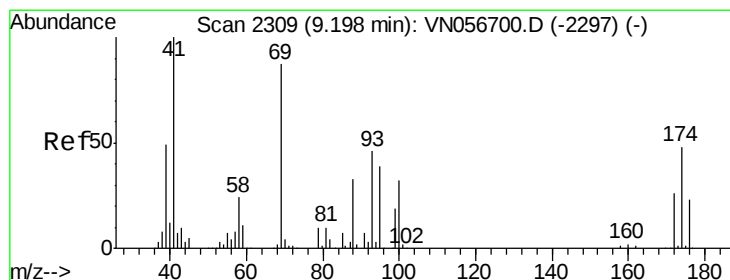
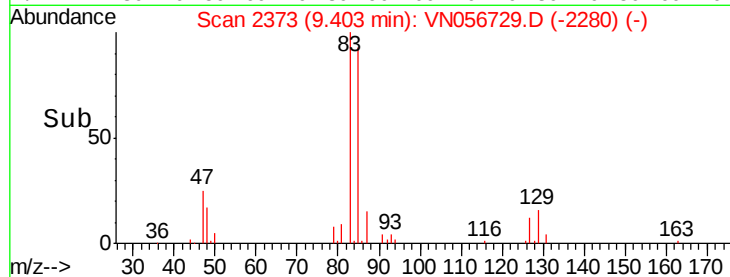
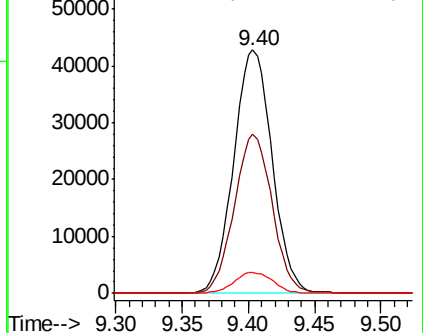
127 8.4 7.6 11.4



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): V



#48

Methyl methacrylate

Concen: 18.481 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN056729.D

Acq: 15 Jul 2019 22:38

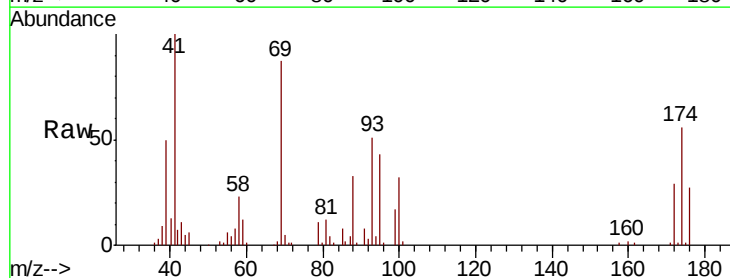
Tgt Ion: 41 Resp: 66686

Ion Ratio Lower Upper

41 100

69 92.4 71.4 107.0

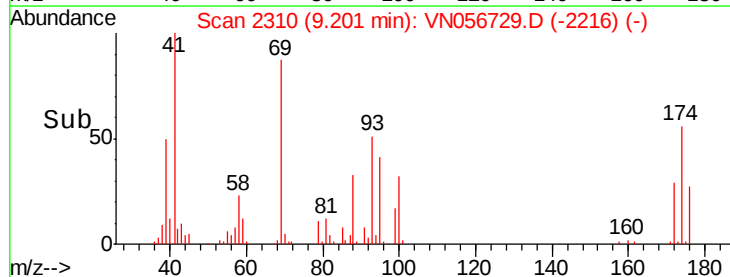
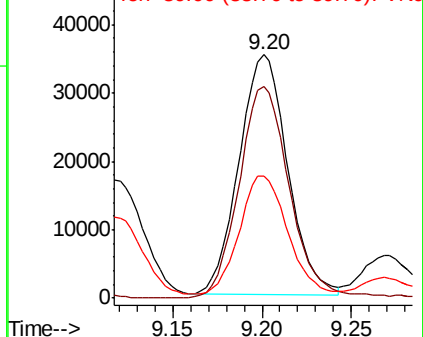
39 51.8 41.2 61.8

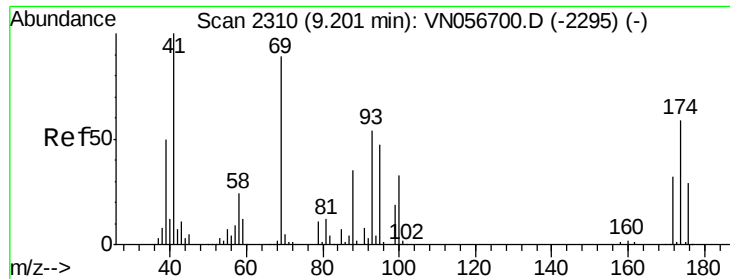


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

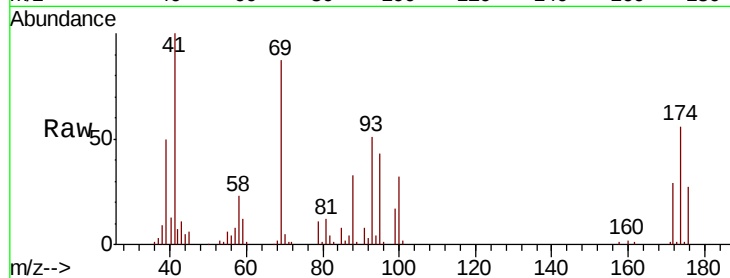




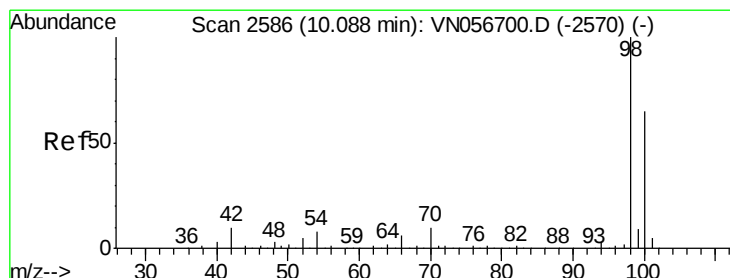
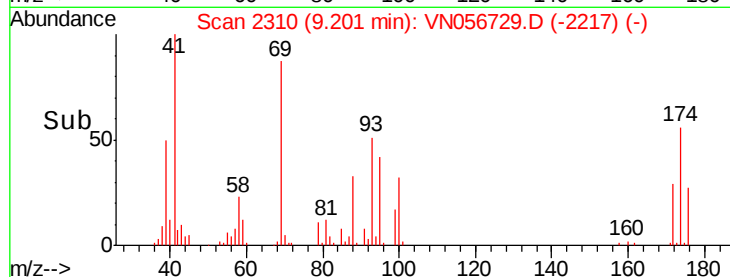
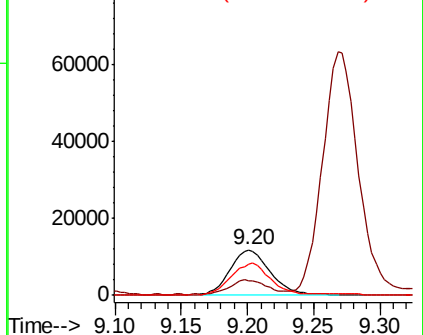
#49
 1,4-Dioxane
 Concen: 343.218 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. -0.00 min
 Lab File: VN056729.D
 Acq: 15 Jul 2019 22:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0715WBS02

Tot Ion: 88 Resp: 25411
 Ion Ratio Lower Upper
 88 100
 43 28.5 23.7 35.5
 58 68.7 55.6 83.4

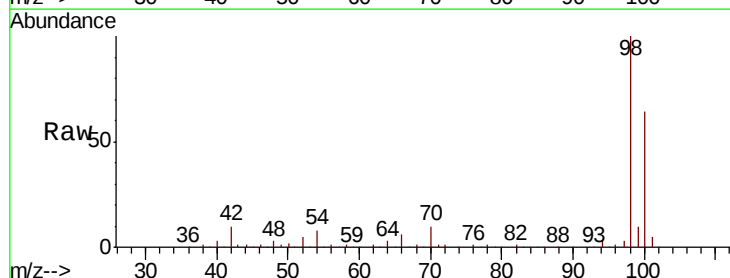


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

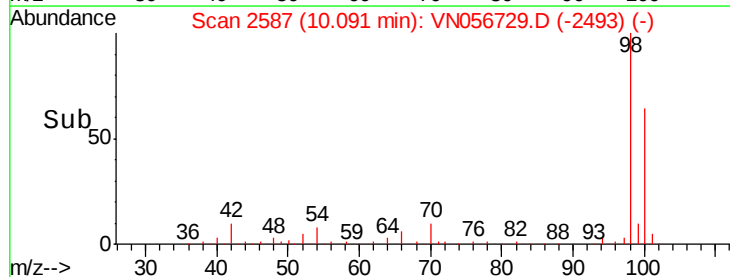
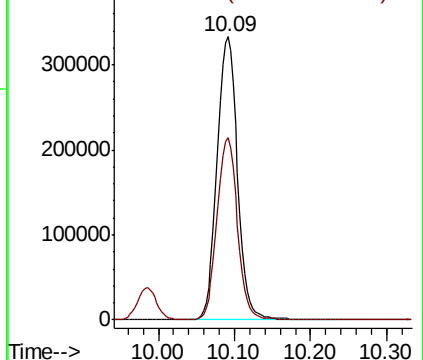


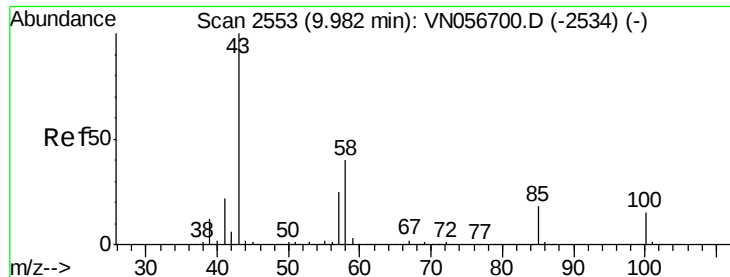
#50
 Toluene-d8
 Concen: 49.689 ug/l
 RT: 10.09 min Scan# 2587
 Delta R.T. 0.00 min
 Lab File: VN056729.D
 Acq: 15 Jul 2019 22:38

Tgt Ion: 98 Resp: 621484
 Ion Ratio Lower Upper
 98 100
 100 64.6 52.0 78.0



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





#51

4-Methyl-2-Pentanone

Concen: 93.246 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN056729.D

Acq: 15 Jul 2019 22:38

Instrument :

MSVOA_N

ClientSampled :

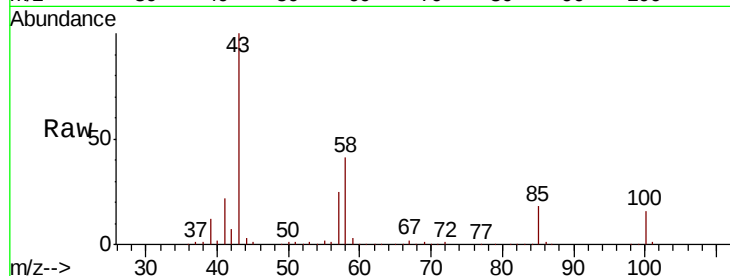
VN0715WBS02

Tot Ion: 43 Resp: 450600

Ion Ratio Lower Upper

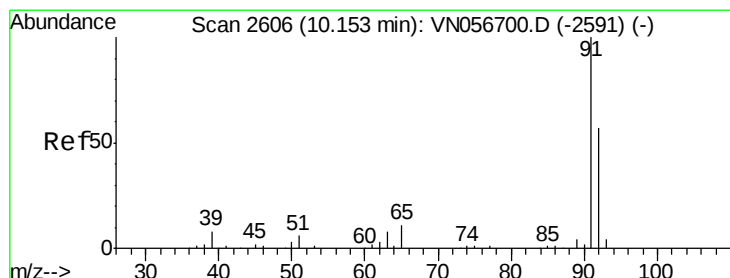
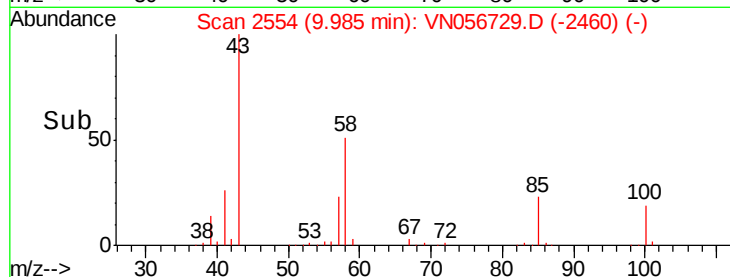
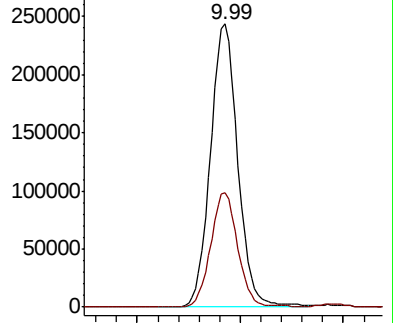
43 100

58 40.1 32.0 48.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 19.163 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN056729.D

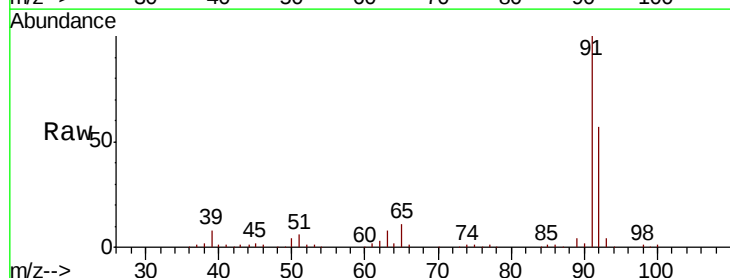
Acq: 15 Jul 2019 22:38

Tgt Ion: 92 Resp: 167909

Ion Ratio Lower Upper

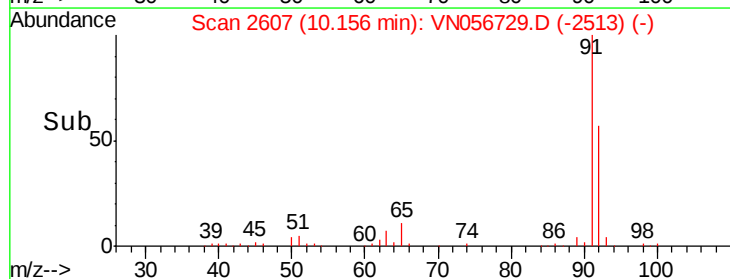
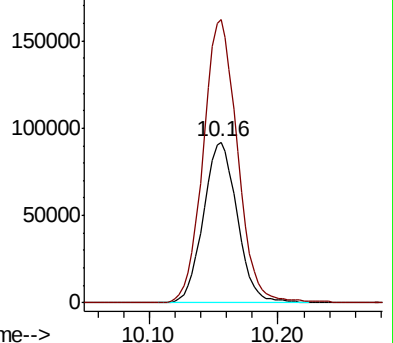
92 100

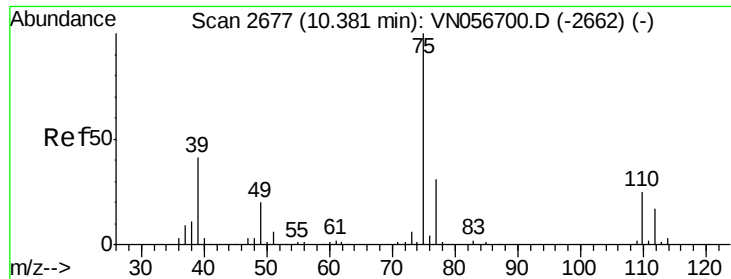
91 178.8 139.9 209.9



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: 17.921 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. -0.00 min

Lab File: VN056729.D

Acq: 15 Jul 2019 22:38

Instrument :

MSVOA_N

ClientSampleId :

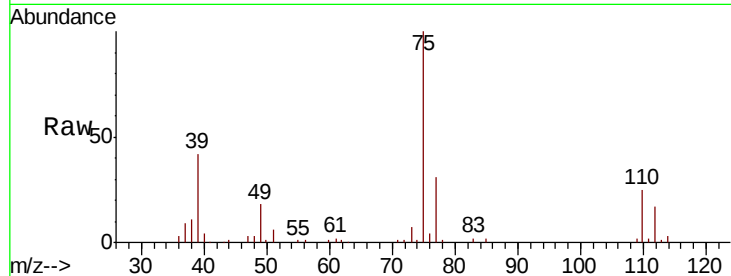
VN0715WBS02

Tot Ion: 75 Resp: 86318

Ion Ratio Lower Upper

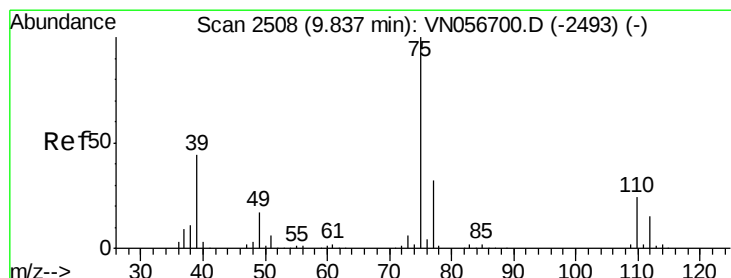
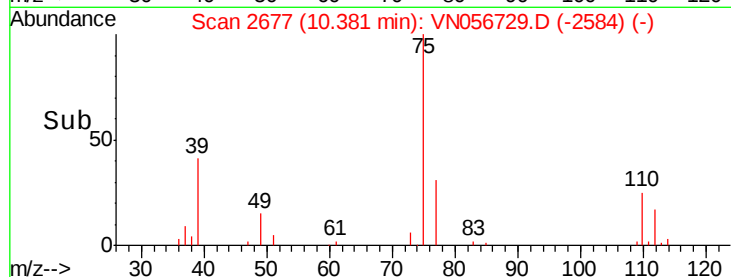
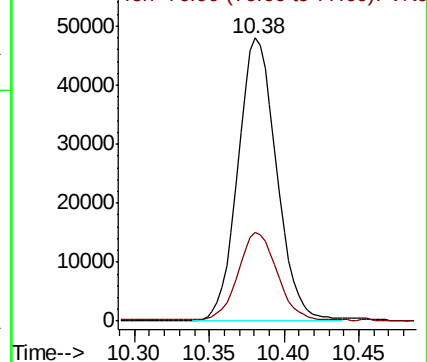
75 100

77 30.8 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: 18.050 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN056729.D

Acq: 15 Jul 2019 22:38

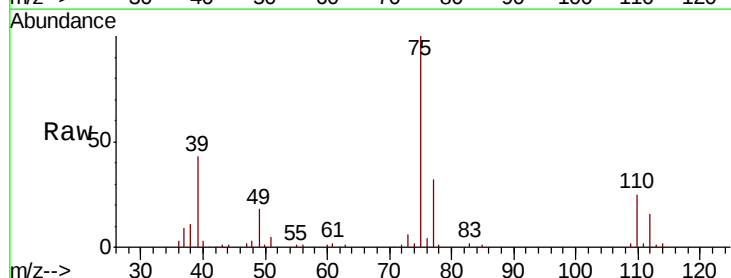
Tgt Ion: 75 Resp: 100892

Ion Ratio Lower Upper

75 100

77 31.9 26.0 39.0

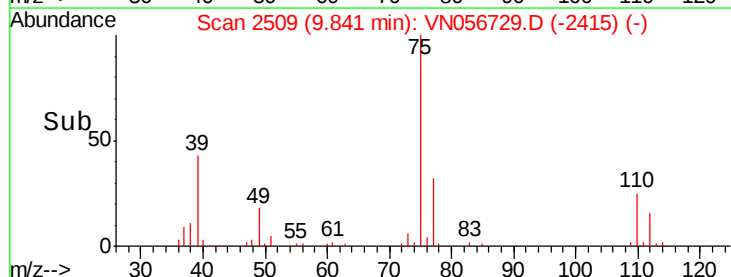
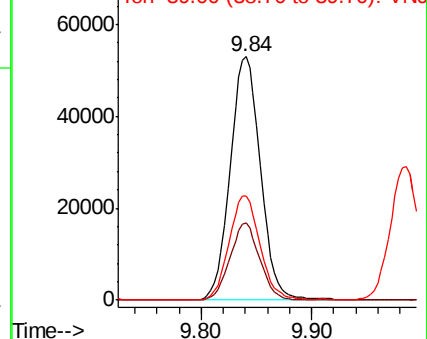
39 42.7 35.1 52.7

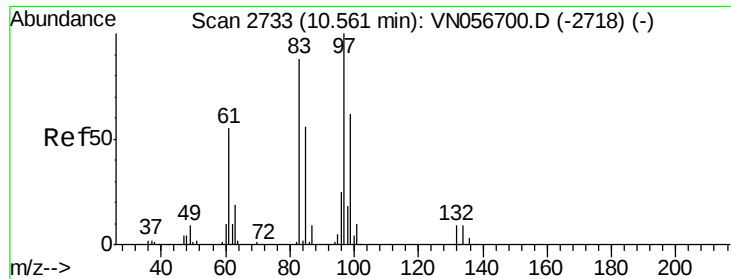


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0





#55

1,1,2-Trichloroethane

Concen: 18.587 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. -0.00 min

Lab File: VN056729.D

Acq: 15 Jul 2019 22:38

Instrument :

MSVOA_N

ClientSampleId :

VN0715WBS02

Tot Ion: 97 Resp: 68310

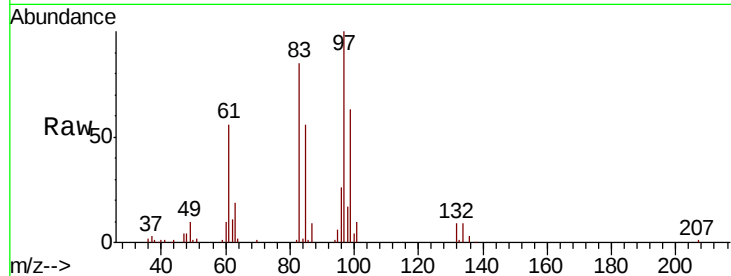
Ion Ratio Lower Upper

97 100

83 85.3 70.3 105.5

85 56.4 44.8 67.2

99 62.5 49.6 74.4

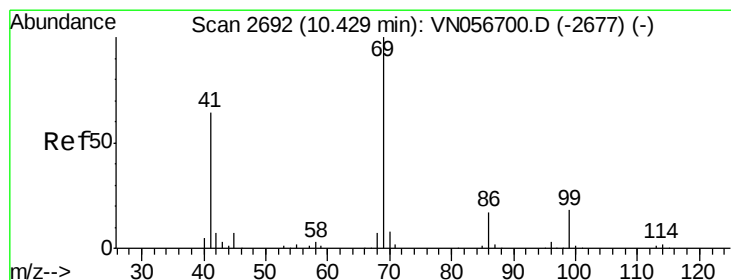
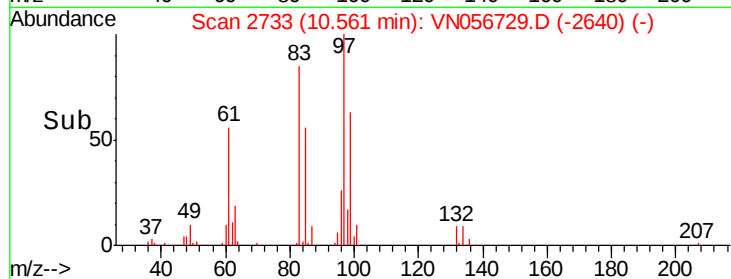
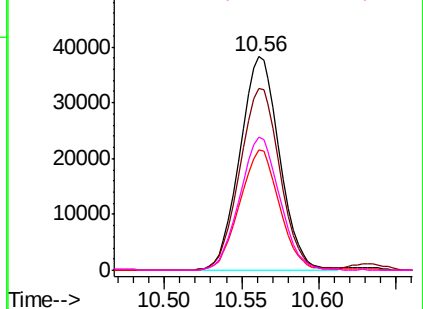


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 18.792 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. -0.00 min

Lab File: VN056729.D

Acq: 15 Jul 2019 22:38

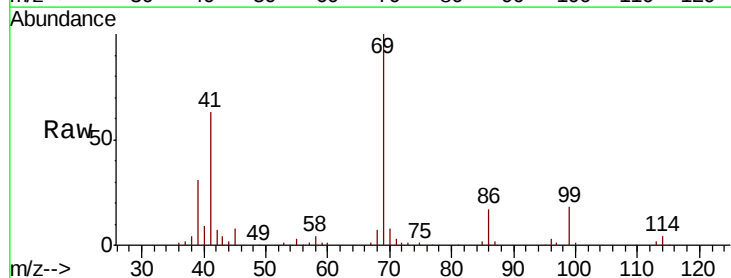
Tgt Ion: 69 Resp: 99372

Ion Ratio Lower Upper

69 100

41 64.0 51.0 76.4

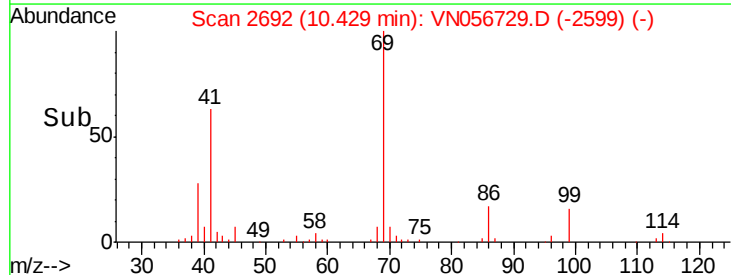
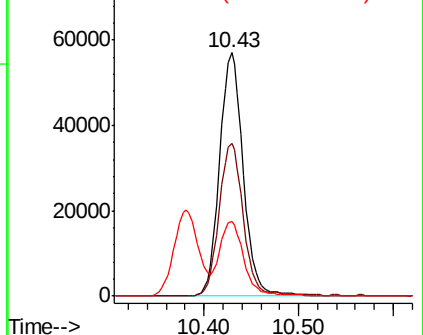
39 30.3 24.6 36.8

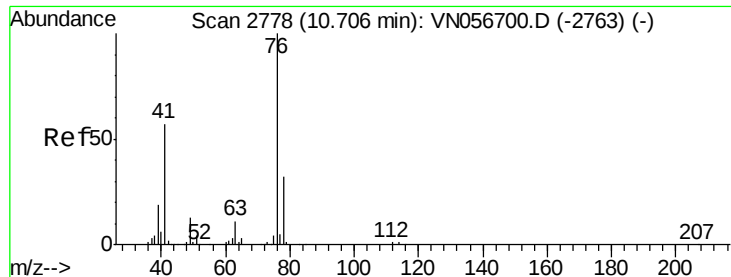


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 18.977 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. -0.00 min

Lab File: VN056729.D

Acq: 15 Jul 2019 22:38

Instrument :

MSVOA_N

ClientSampleId :

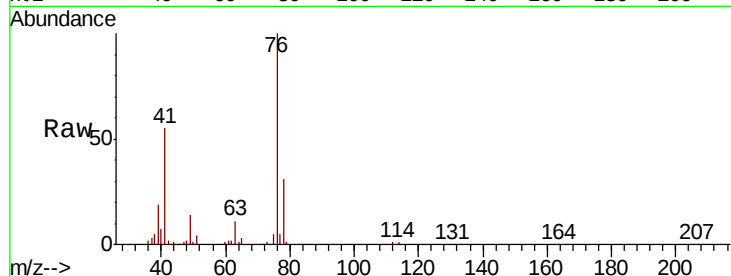
VN0715WBS02

Tot Ion: 76 Resp: 113909

Ion Ratio Lower Upper

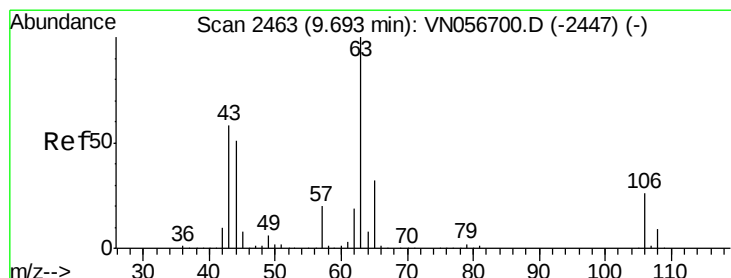
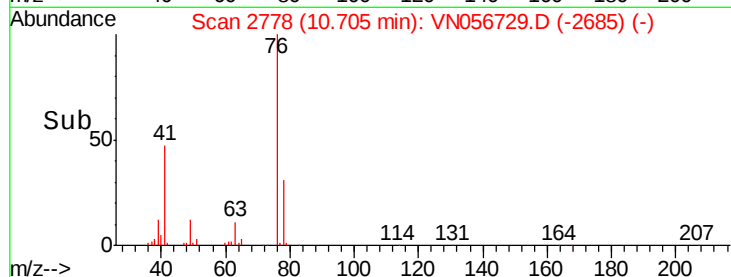
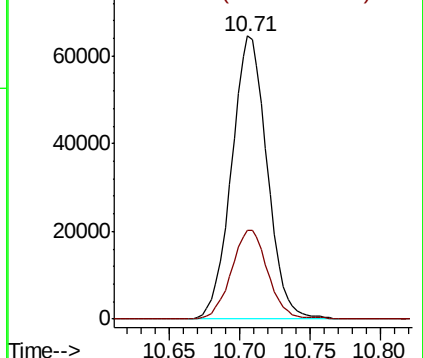
76 100

78 32.2 26.0 39.0



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 94.192 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN056729.D

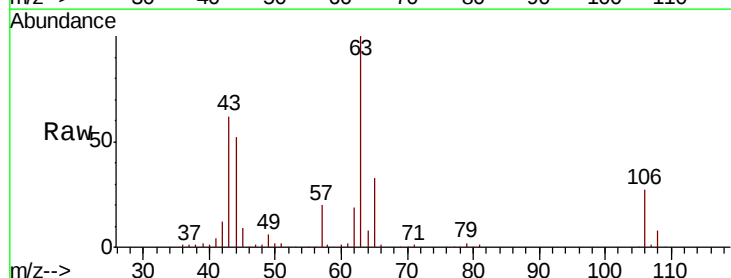
Acq: 15 Jul 2019 22:38

Tgt Ion: 63 Resp: 239521

Ion Ratio Lower Upper

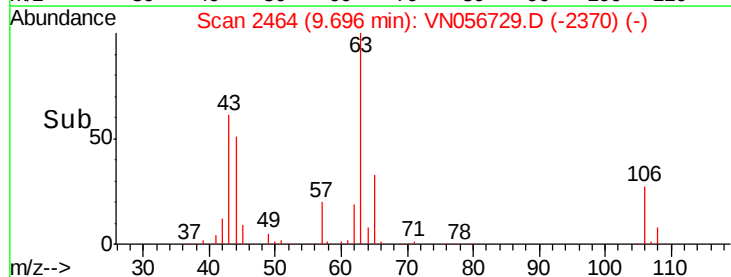
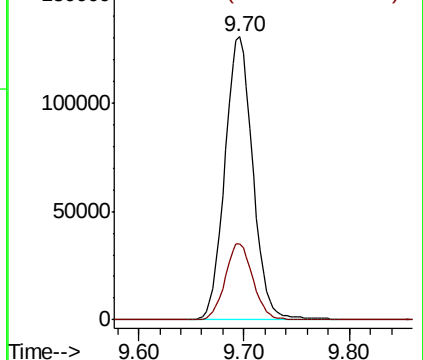
63 100

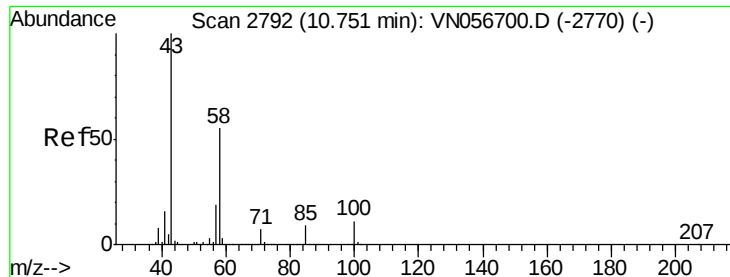
106 26.8 21.2 31.8



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

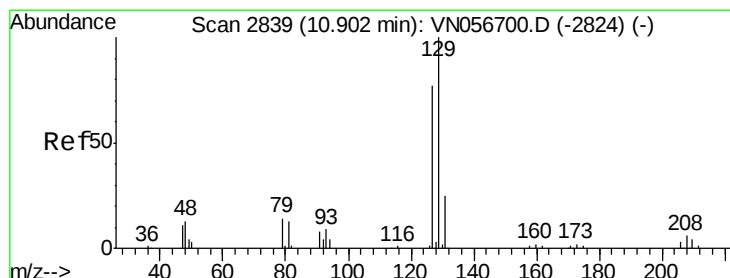
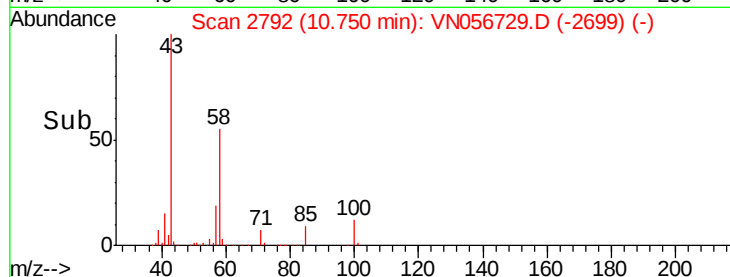
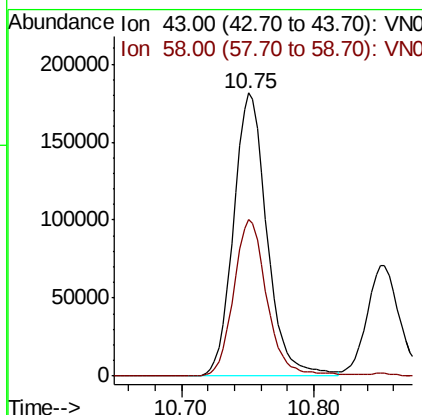
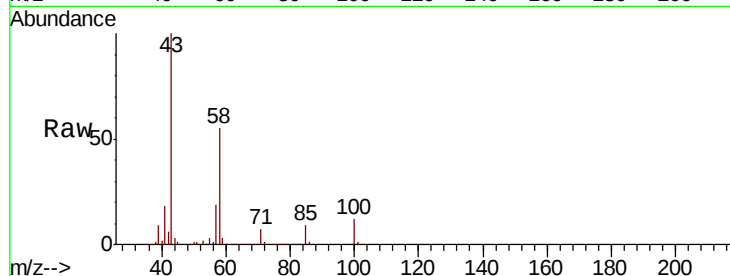




#59
2-Hexanone
Concen: 91.212 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN056729.D
Acq: 15 Jul 2019 22:38

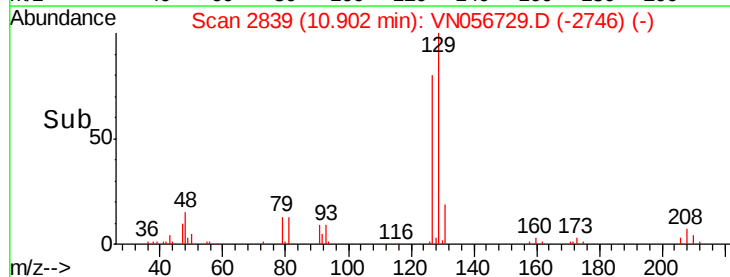
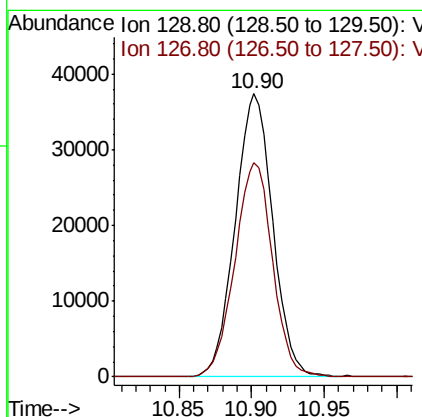
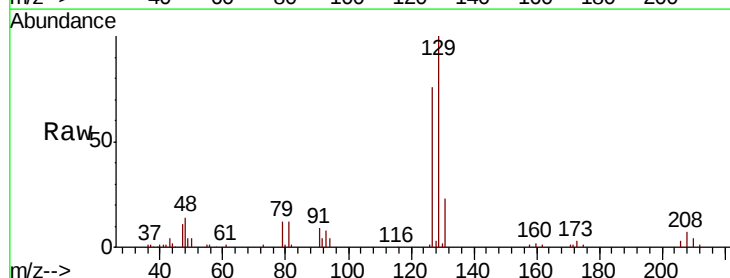
Instrument :
MSVOA_N
ClientSampleId :
VN0715WBS02

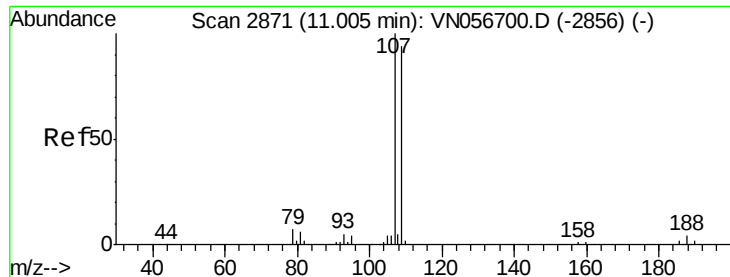
Tot Ion: 43 Resp: 316271
Ion Ratio Lower Upper
43 100
58 55.4 27.9 83.6



#60
Dibromochloromethane
Concen: 18.640 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN056729.D
Acq: 15 Jul 2019 22:38

Tgt Ion: 129 Resp: 67374
Ion Ratio Lower Upper
129 100
127 75.8 38.2 114.6





#61

1,2-Dibromoethane

Concen: 19.314 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. -0.00 min

Lab File: VN056729.D

Acq: 15 Jul 2019 22:38

Instrument :

MSVOA_N

ClientSampleId :

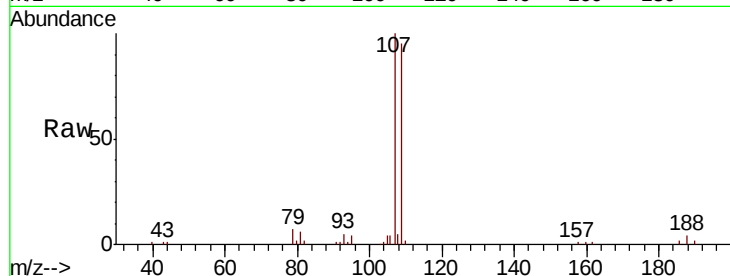
VN0715WBS02

Tot Ion:107 Resp: 70544

Ion Ratio Lower Upper

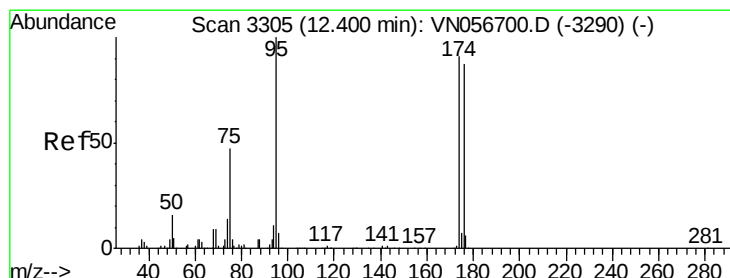
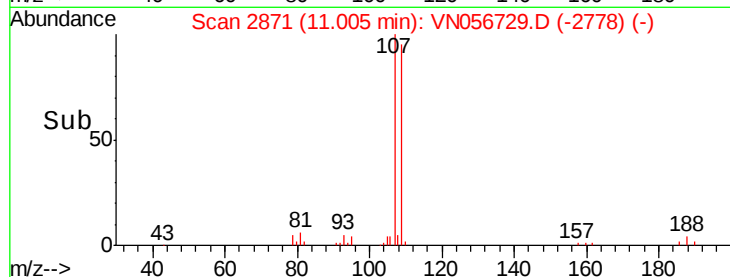
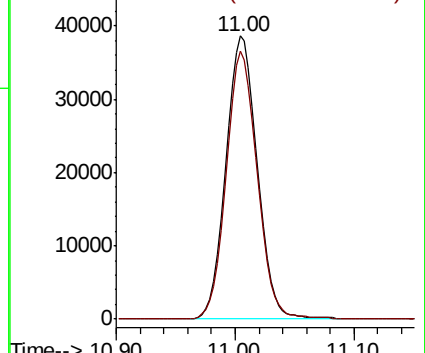
107 100

109 93.3 76.2 114.4



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 49.523 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN056729.D

Acq: 15 Jul 2019 22:38

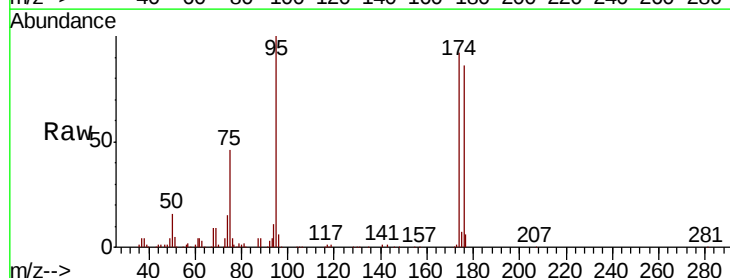
Tgt Ion: 95 Resp: 208885

Ion Ratio Lower Upper

95 100

174 90.7 0.0 180.0

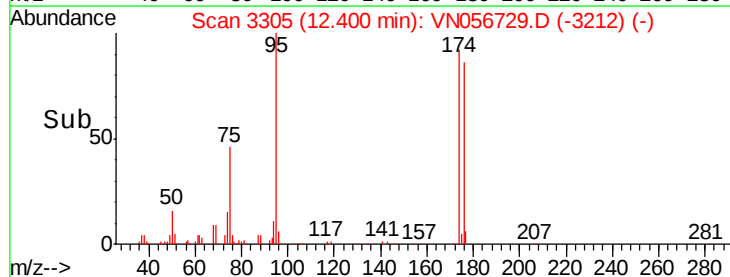
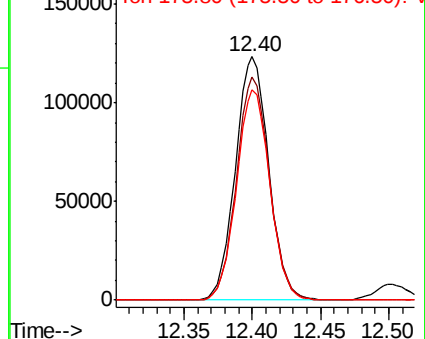
176 86.6 0.0 173.2

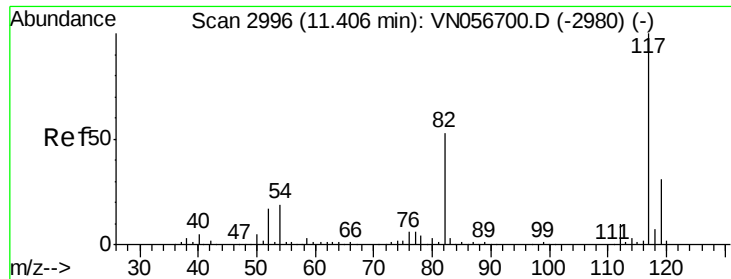


Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

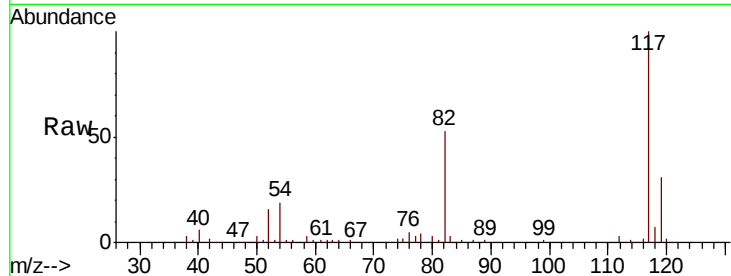




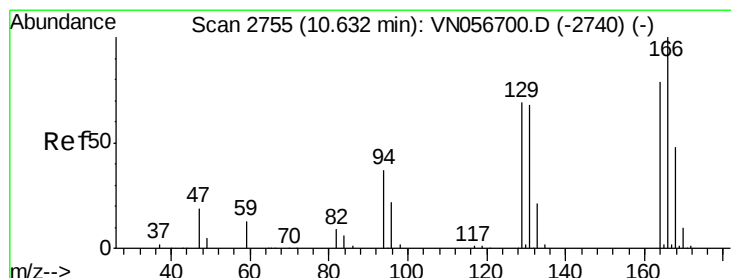
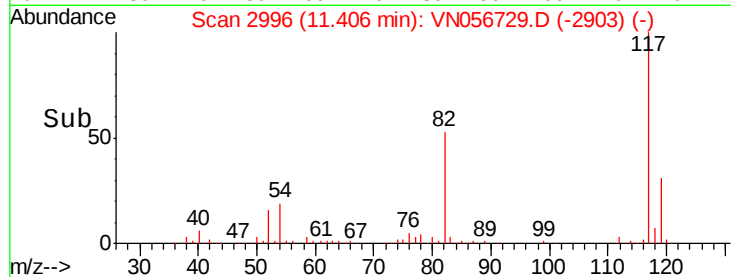
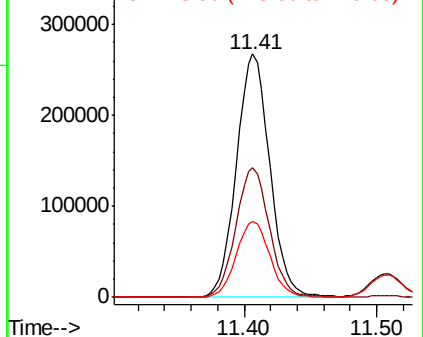
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN056729.D
Acq: 15 Jul 2019 22:38

Instrument :
MSVOA_N
ClientSampleId :
VN0715WBS02

Tot Ion:117 Resp: 467509
Ion Ratio Lower Upper
117 100
82 53.1 42.2 63.2
119 31.2 25.2 37.8

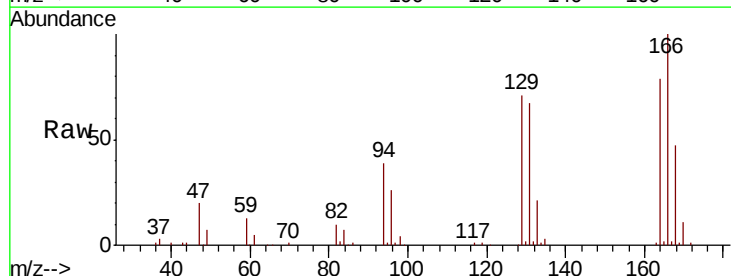


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

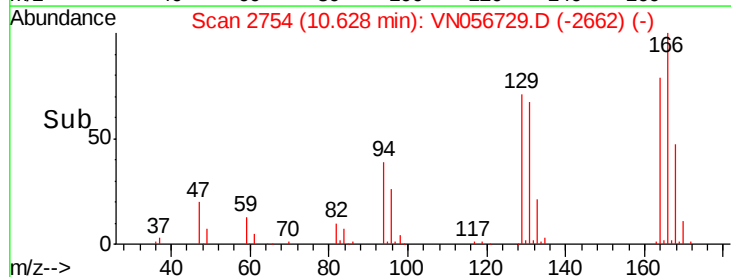
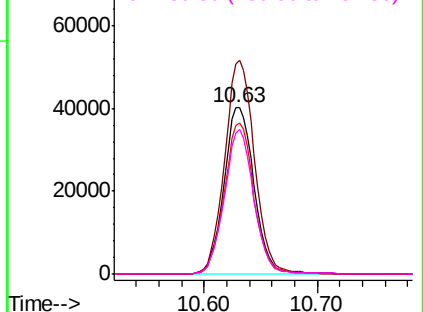


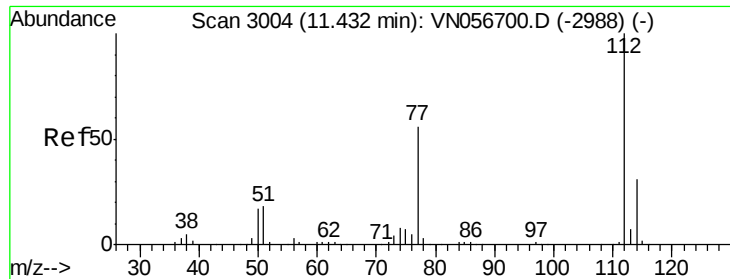
#64
Tetrachloroethene
Concen: 18.453 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. -0.00 min
Lab File: VN056729.D
Acq: 15 Jul 2019 22:38

Tgt Ion:164 Resp: 74426
Ion Ratio Lower Upper
164 100
166 126.2 101.4 152.2
129 89.6 69.6 104.4
131 85.0 69.0 103.4



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

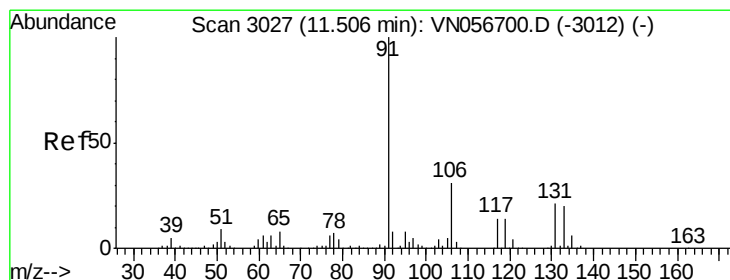
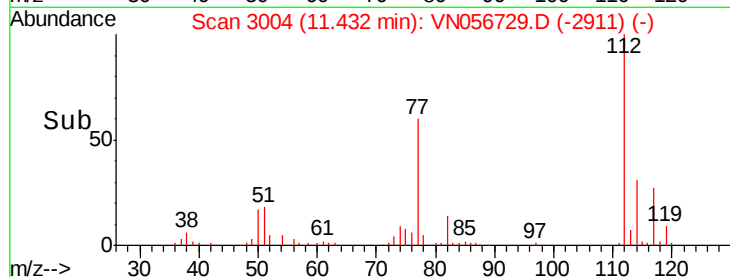
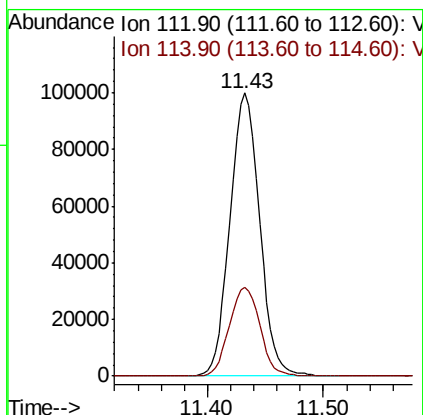
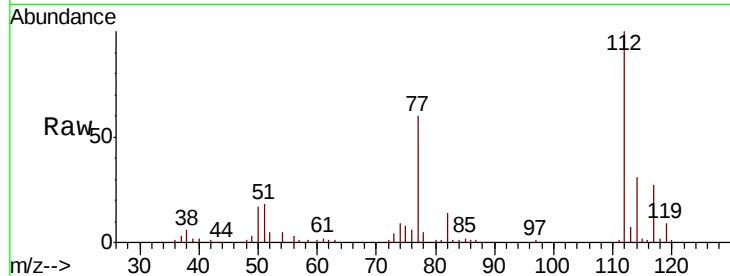




#65
Chlorobenzene
Concen: 18.464 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN056729.D
Acq: 15 Jul 2019 22:38

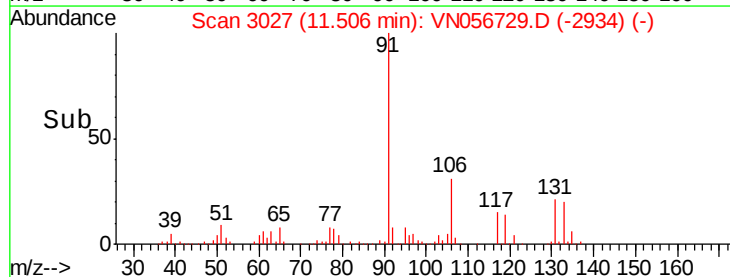
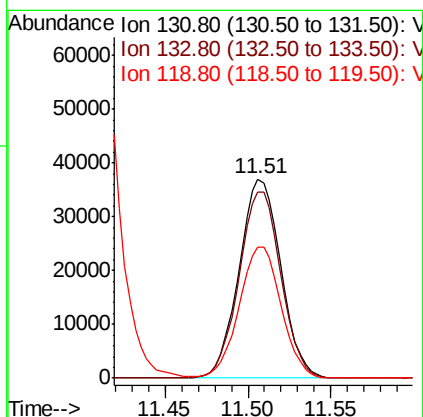
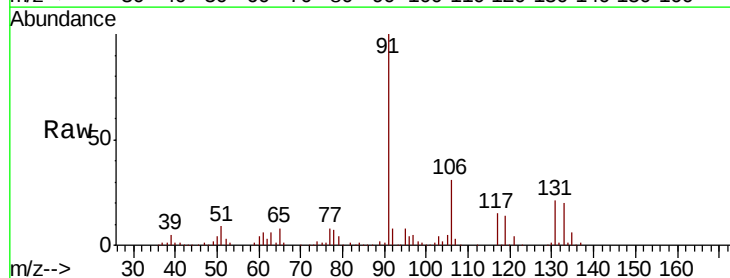
Instrument :
MSVOA_N
ClientSampled :
VN0715WBS02

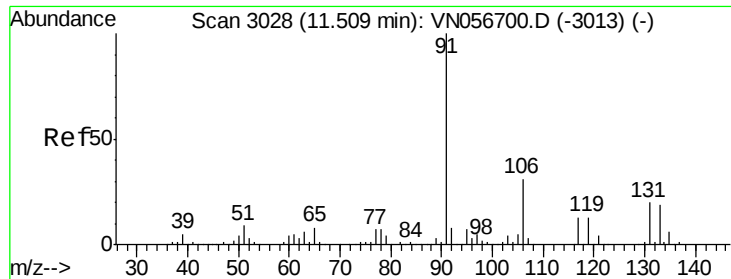
Tot Ion:112 Resp: 176502
Ion Ratio Lower Upper
112 100
114 31.3 25.2 37.8



#66
1,1,1,2-Tetrachloroethane
Concen: 18.410 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN056729.D
Acq: 15 Jul 2019 22:38

Tgt Ion:131 Resp: 64795
Ion Ratio Lower Upper
131 100
133 94.1 46.9 140.7
119 66.5 32.8 98.3

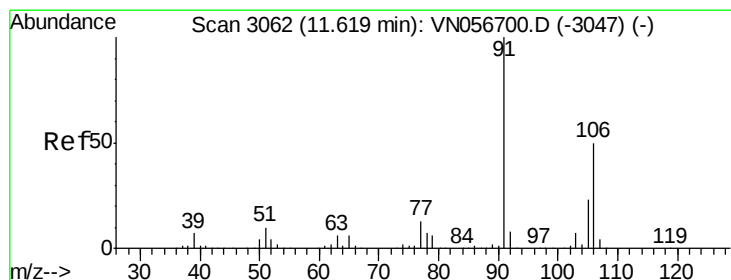
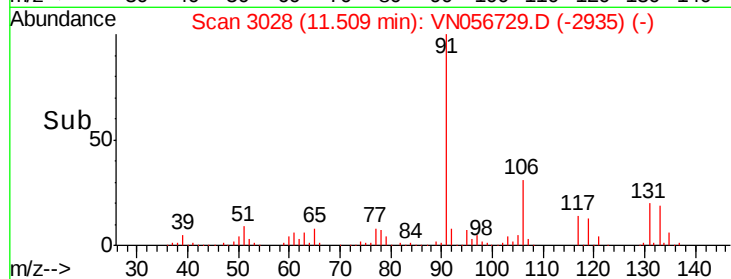
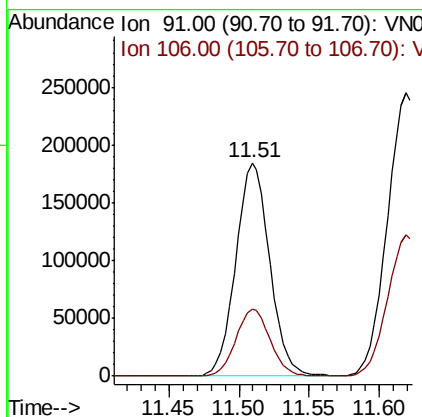
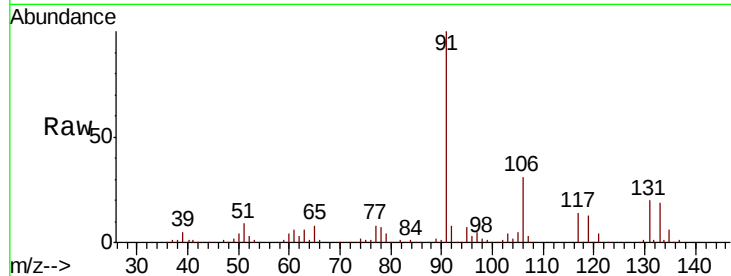




#67
Ethyl Benzene
Concen: 18.505 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN056729.D
Acq: 15 Jul 2019 22:38

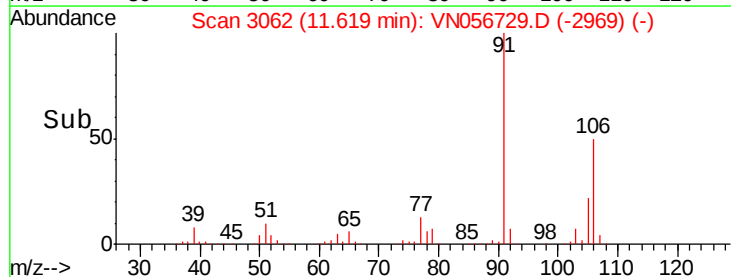
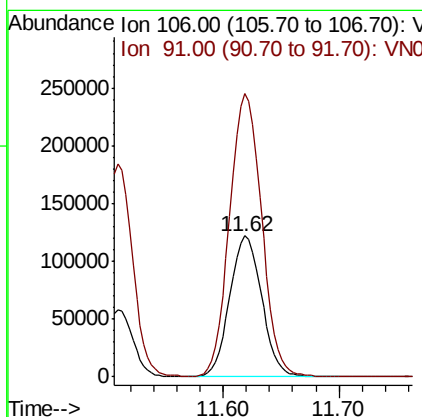
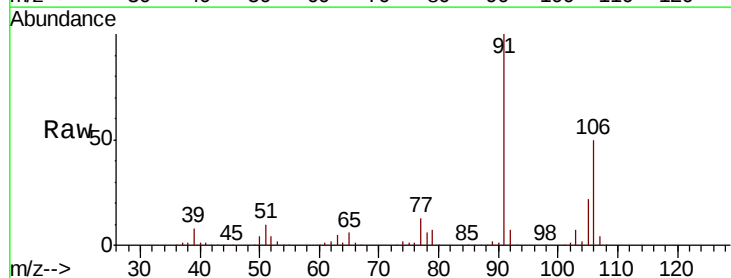
Instrument :
MSVOA_N
ClientSampled :
VN0715WBS02

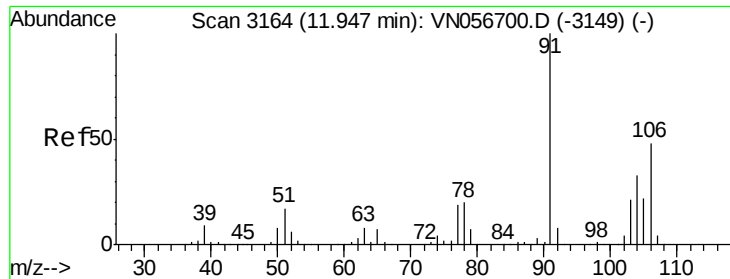
Tot Ion: 91 Resp: 310886
Ion Ratio Lower Upper
91 100
106 31.2 24.8 37.2



#68
m/p-Xylenes
Concen: 37.360 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN056729.D
Acq: 15 Jul 2019 22:38

Tgt Ion: 106 Resp: 234563
Ion Ratio Lower Upper
106 100
91 201.0 160.5 240.7

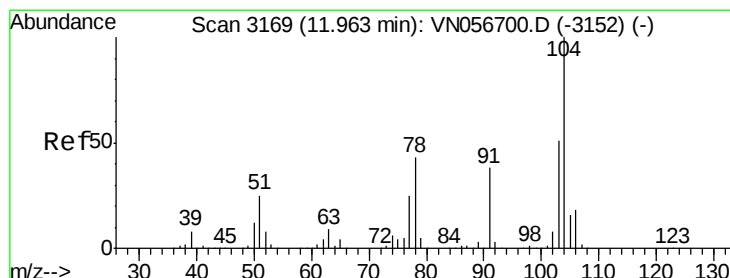
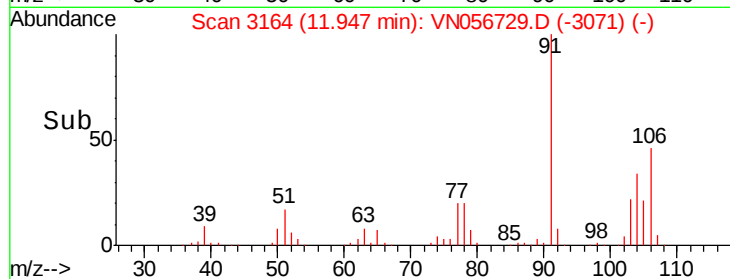
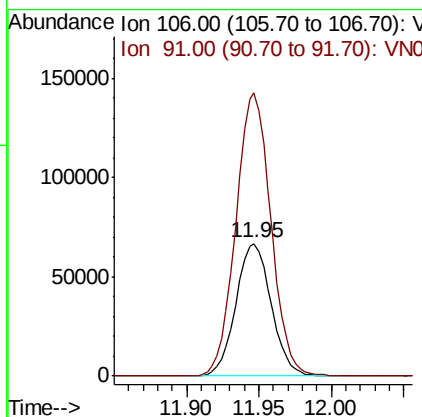
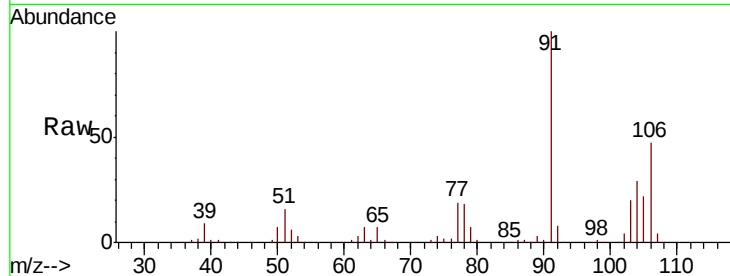




#69
o-Xylene
Concen: 18.322 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN056729.D
Acq: 15 Jul 2019 22:38

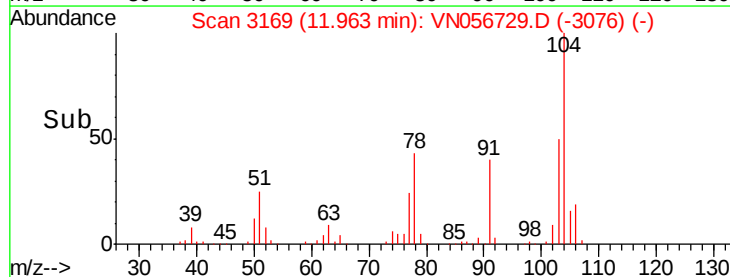
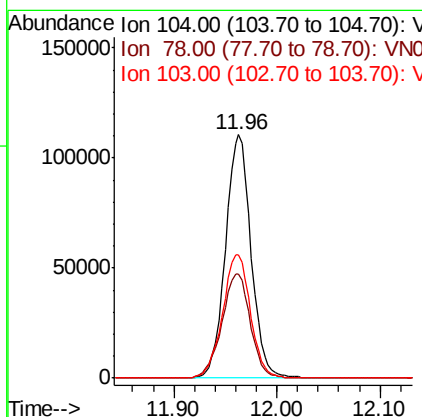
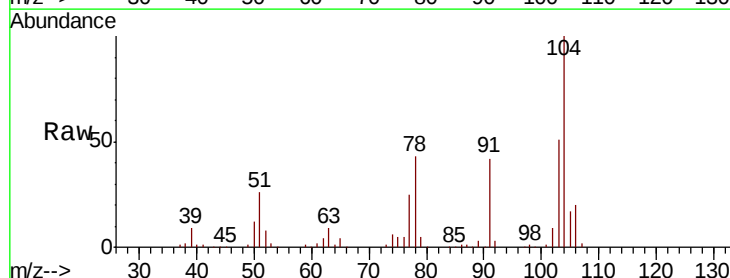
Instrument :
MSVOA_N
ClientSampleId :
VN0715WBS02

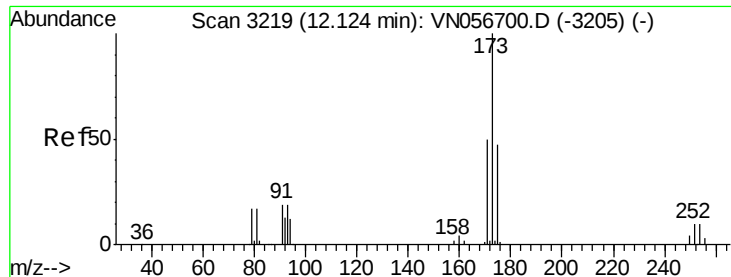
Tot Ion:106 Resp: 113093
Ion Ratio Lower Upper
106 100
91 211.6 105.6 316.8



#70
Styrene
Concen: 19.128 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN056729.D
Acq: 15 Jul 2019 22:38

Tgt Ion:104 Resp: 190877
Ion Ratio Lower Upper
104 100
78 47.7 38.6 57.8
103 55.3 44.2 66.4





#71

Bromoform

Concen: 18.310 ug/l

RT: 12.12 min Scan# 3219

Delta R.T. -0.00 min

Lab File: VN056729.D

Acq: 15 Jul 2019 22:38

Instrument :

MSVOA_N

ClientSampleId :

VN0715WBS02

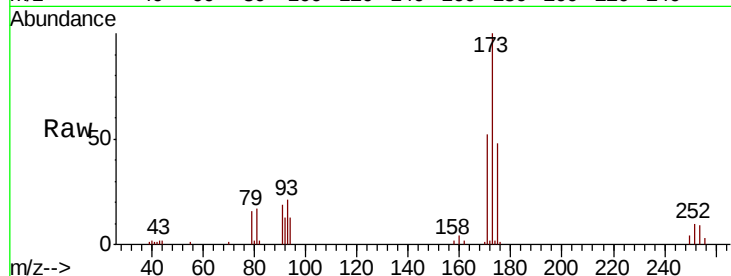
Tot Ion:173 Resp: 49035

Ion Ratio Lower Upper

173 100

175 49.1 23.8 71.4

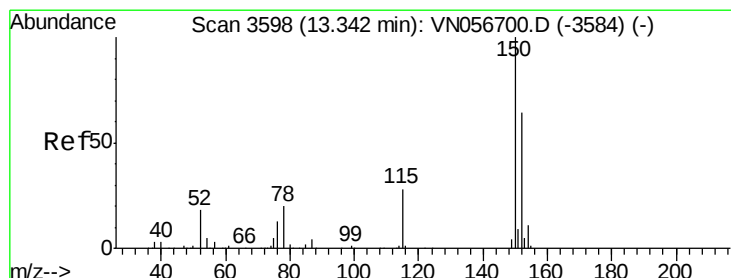
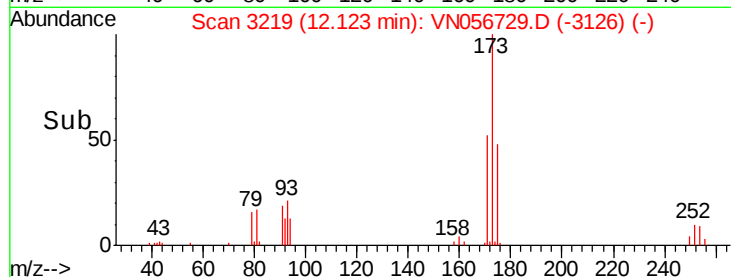
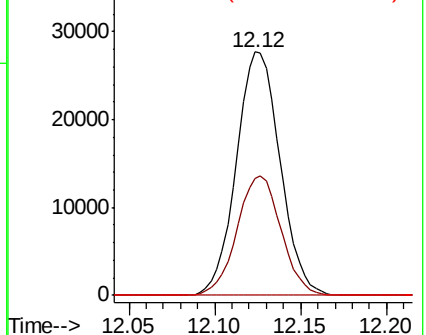
254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN056729.D

Acq: 15 Jul 2019 22:38

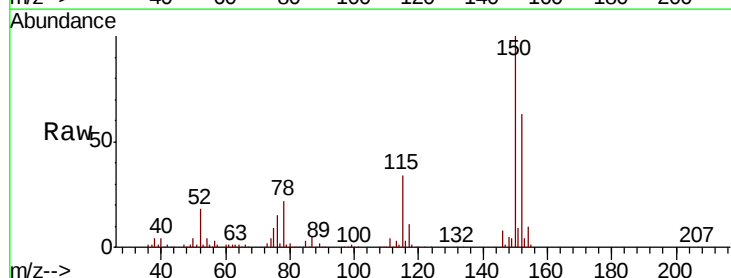
Tgt Ion:152 Resp: 206991

Ion Ratio Lower Upper

152 100

115 55.5 28.2 84.7

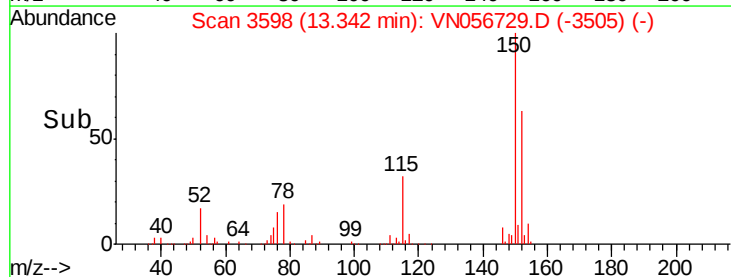
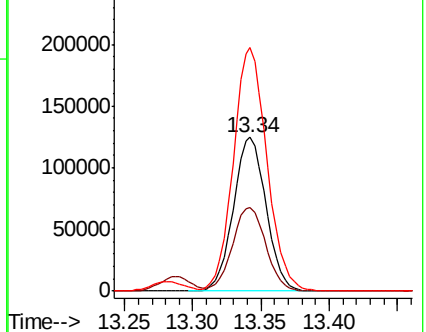
150 162.5 0.0 345.8

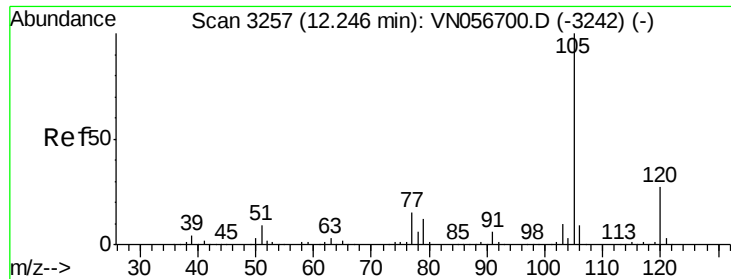


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 18.092 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. -0.00 min

Lab File: VN056729.D

Acq: 15 Jul 2019 22:38

Instrument :

MSVOA_N

ClientSampleId :

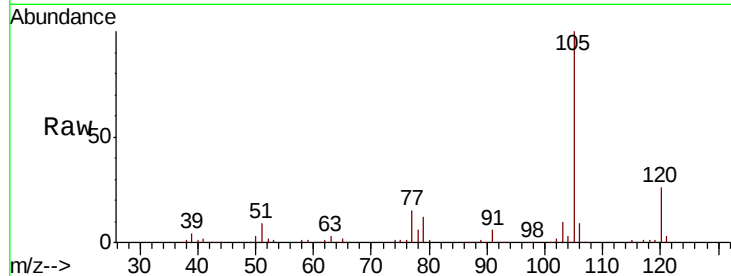
VN0715WBS02

Tot Ion:105 Resp: 301956

Ion Ratio Lower Upper

105 100

120 27.0 13.4 40.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

200000

150000

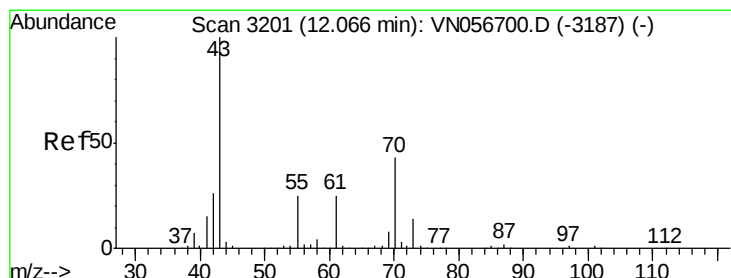
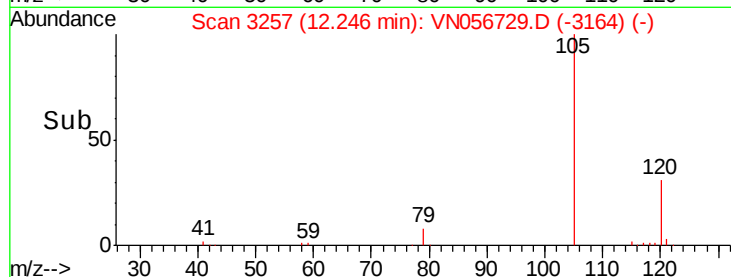
100000

50000

0

12.20 12.25 12.30

Time-->



#74

N-ethyl acetate

Concen: 16.852 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN056729.D

Acq: 15 Jul 2019 22:38

Tgt Ion: 43 Resp: 104750

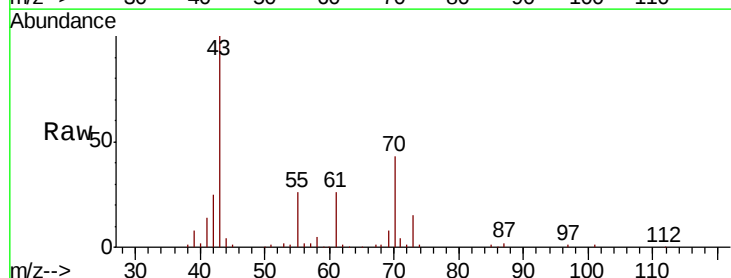
Ion Ratio Lower Upper

43 100

70 43.3 34.5 51.7

55 25.7 20.2 30.2

61 24.7 19.9 29.9



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

100000

80000

60000

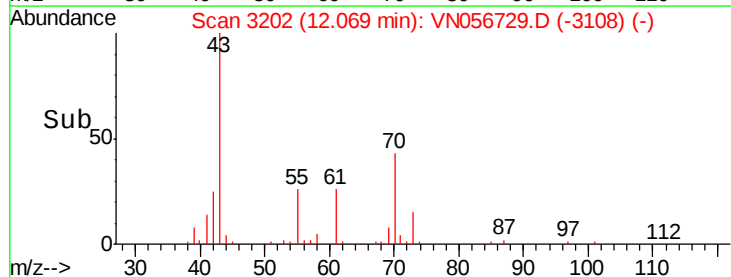
40000

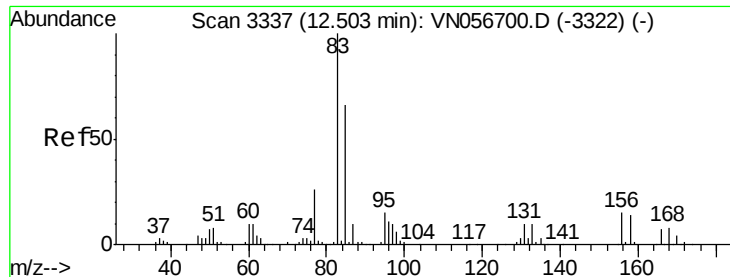
20000

0

12.00 12.05 12.10 12.15

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 18.774 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN056729.D

Acq: 15 Jul 2019 22:38

Instrument :

MSVOA_N

ClientSampleId :

VN0715WBS02

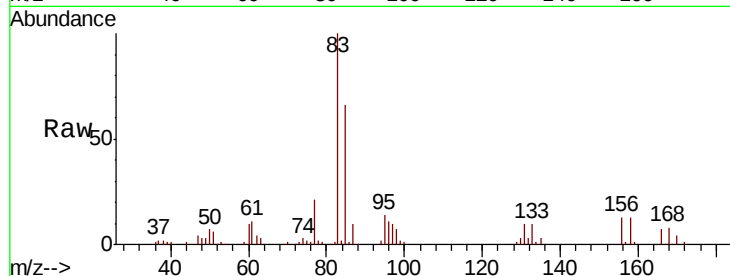
Tot Ion: 83 Resp: 96600

Ion Ratio Lower Upper

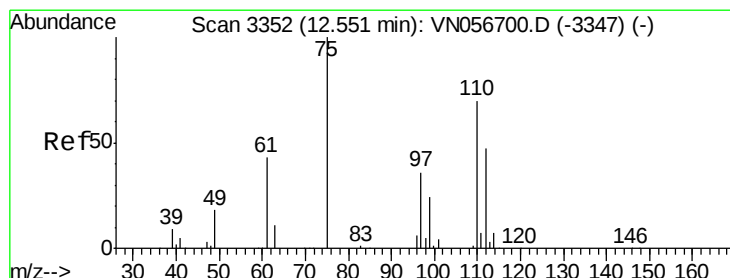
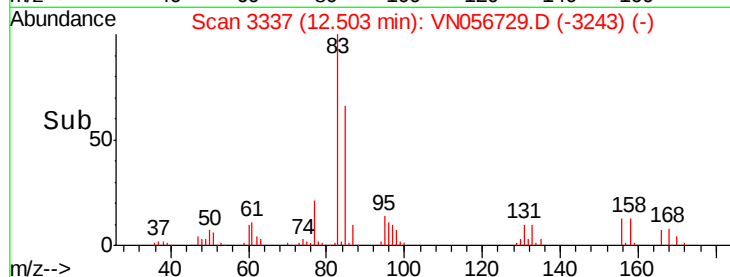
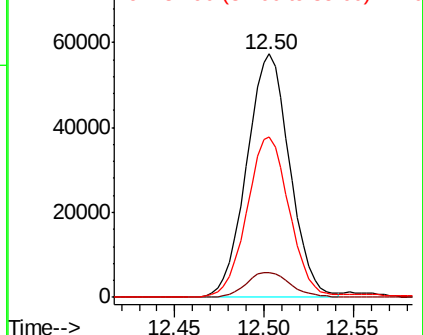
83 100

131 10.6 5.3 15.8

85 65.1 32.6 97.8



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



#76

1,2,3-Trichloropropane

Concen: 24.855 ug/l

RT: 12.55 min Scan# 3352

Delta R.T. -0.00 min

Lab File: VN056729.D

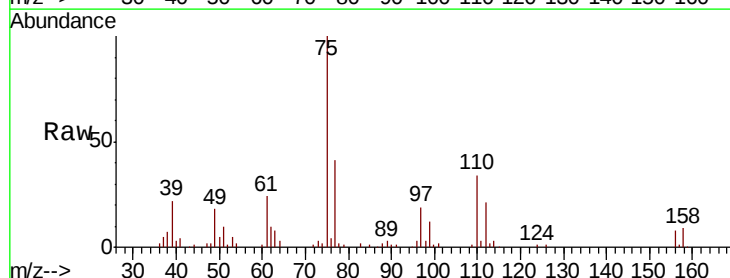
Acq: 15 Jul 2019 22:38

Tgt Ion: 75 Resp: 112522

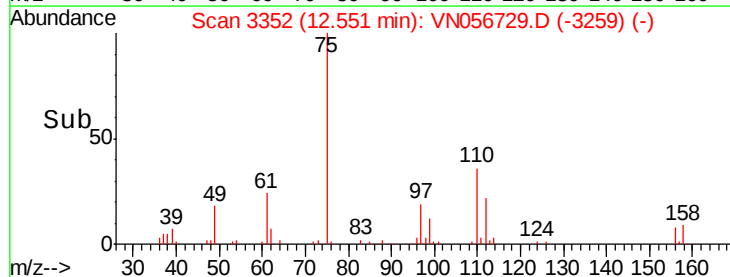
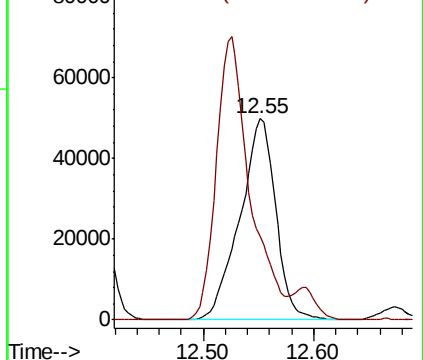
Ion Ratio Lower Upper

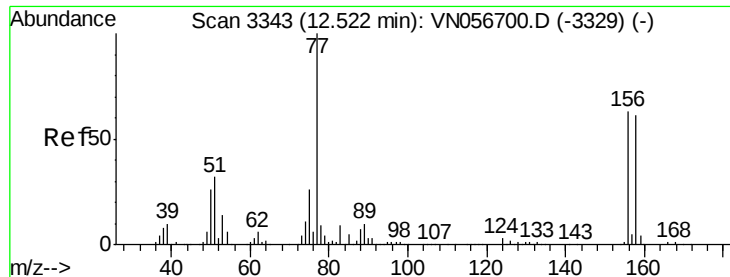
75 100

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: 18.158 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN056729.D

Acq: 15 Jul 2019 22:38

Instrument :

MSVOA_N

ClientSampleId :

VN0715WBS02

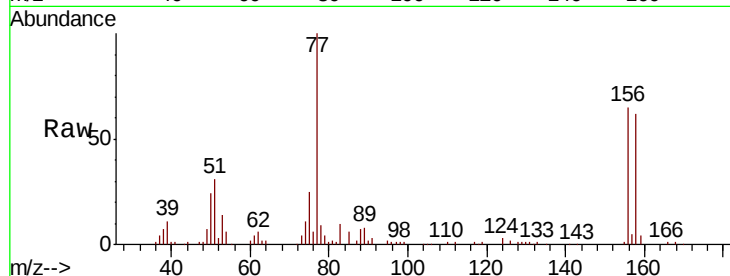
Tot Ion:156 Resp: 79266

Ion Ratio Lower Upper

156 100

77 187.4 97.2 291.6

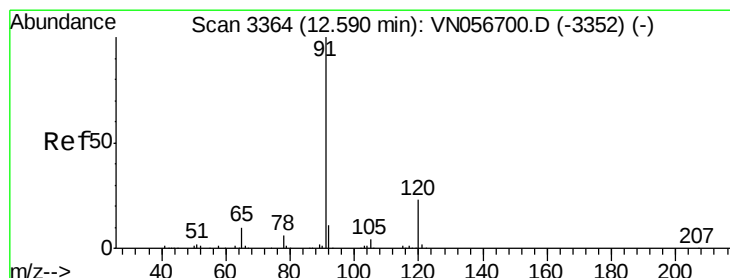
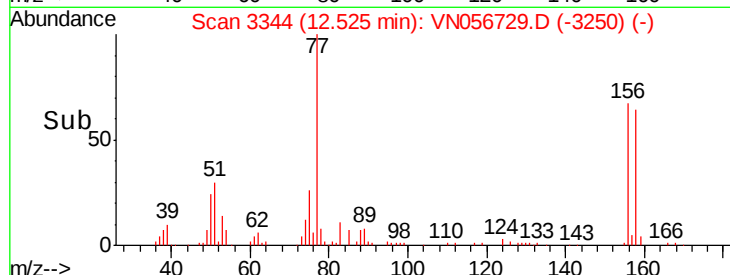
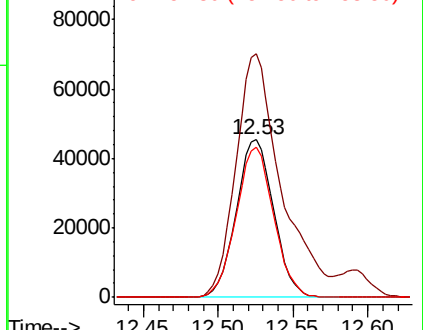
158 95.4 48.9 146.8



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: 17.769 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN056729.D

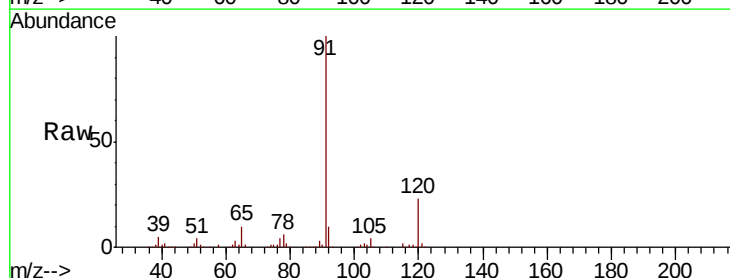
Acq: 15 Jul 2019 22:38

Tgt Ion: 91 Resp: 329229

Ion Ratio Lower Upper

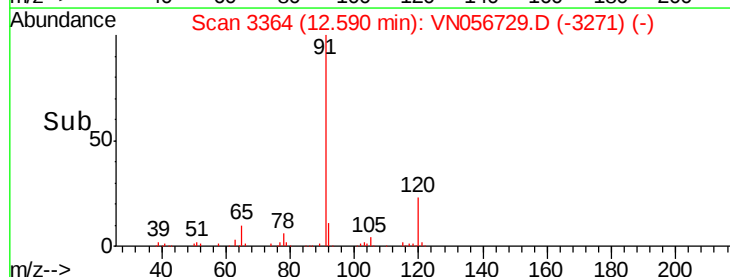
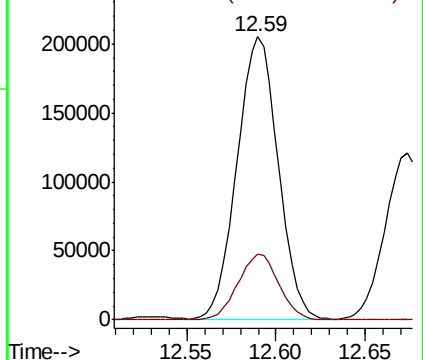
91 100

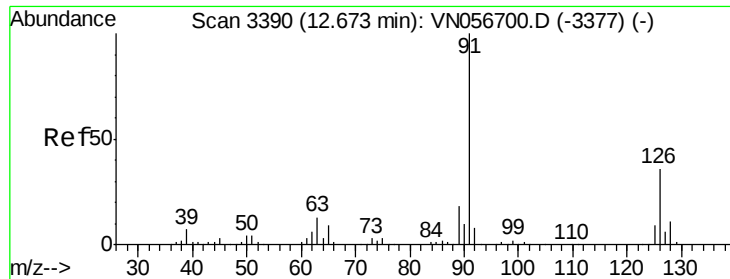
120 23.2 11.8 35.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

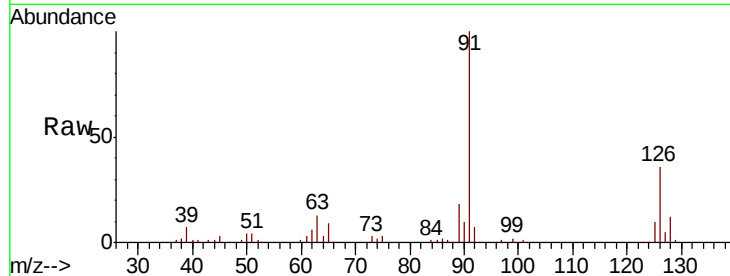




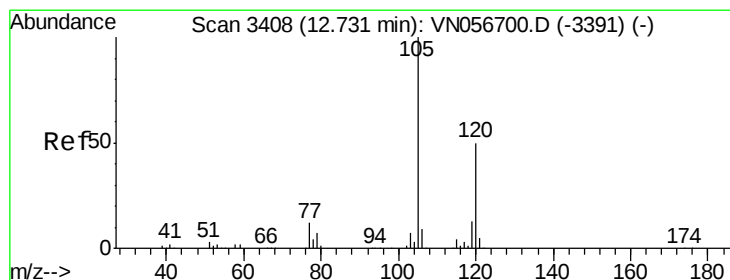
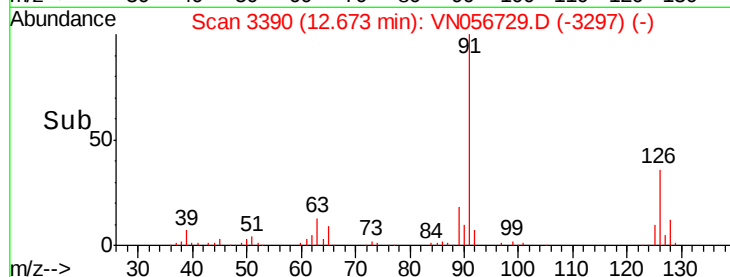
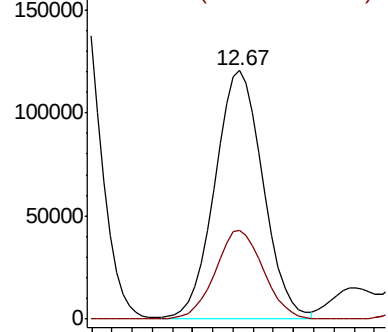
#79
 2-Chlorotoluene
 Concen: 18.511 ug/l
 RT: 12.67 min Scan# 3390
 Delta R.T. 0.00 min
 Lab File: VN056729.D
 Acq: 15 Jul 2019 22:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0715WBS02

Tot Ion: 91 Resp: 200116
 Ion Ratio Lower Upper
 91 100
 126 35.9 17.9 53.7

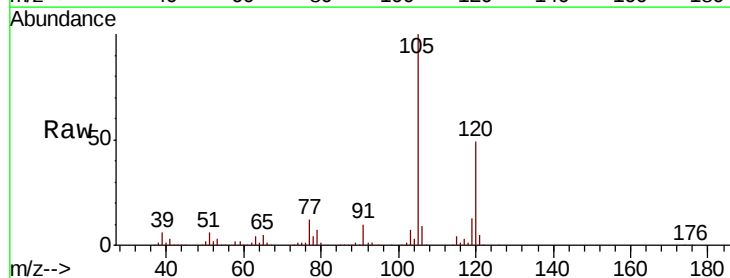


Abundance Ion 91.00 (90.70 to 91.70): VN056700.D (-3377) (-)
 Ion 125.90 (125.60 to 126.60): VN056700.D (-3377) (-)

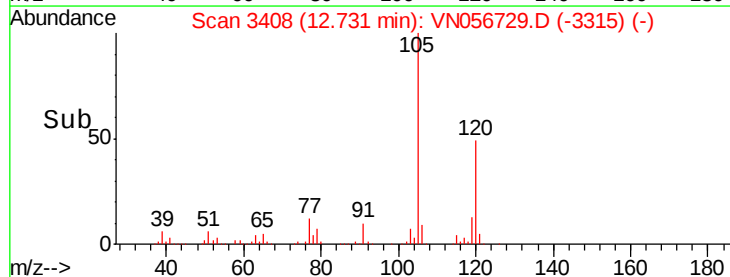
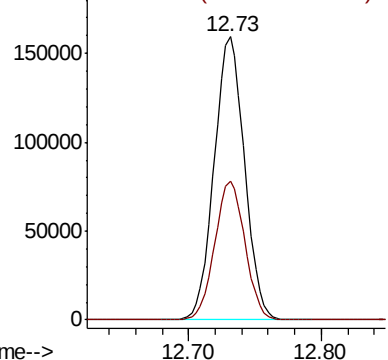


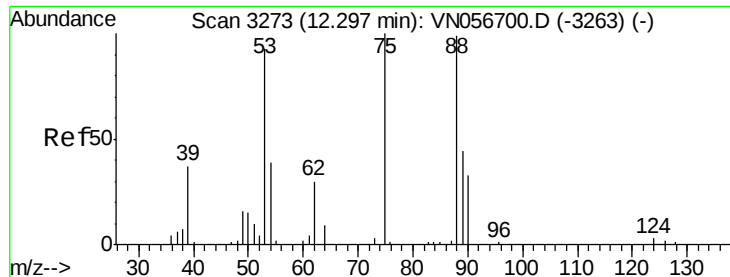
#80
 1,3,5-Trimethylbenzene
 Concen: 17.916 ug/l
 RT: 12.73 min Scan# 3408
 Delta R.T. -0.00 min
 Lab File: VN056729.D
 Acq: 15 Jul 2019 22:38

Tgt Ion: 105 Resp: 253435
 Ion Ratio Lower Upper
 105 100
 120 48.6 24.8 74.3



Abundance Ion 105.00 (104.70 to 105.70): VN056700.D (-3391) (-)
 Ion 120.00 (119.70 to 120.70): VN056700.D (-3391) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 15.314 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN056729.D

Acq: 15 Jul 2019 22:38

Instrument :

MSVOA_N

ClientSampleId :

VN0715WBS02

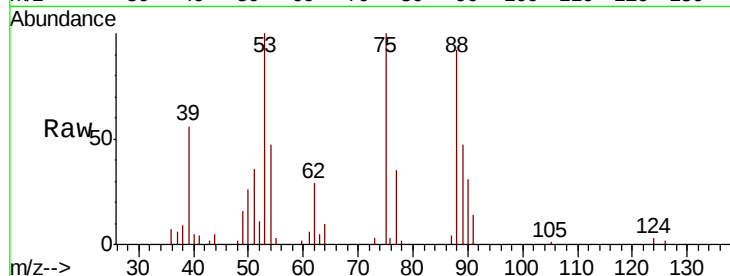
Tot Ion: 75 Resp: 22449

Ion Ratio Lower Upper

75 100

53 102.5 73.7 110.5

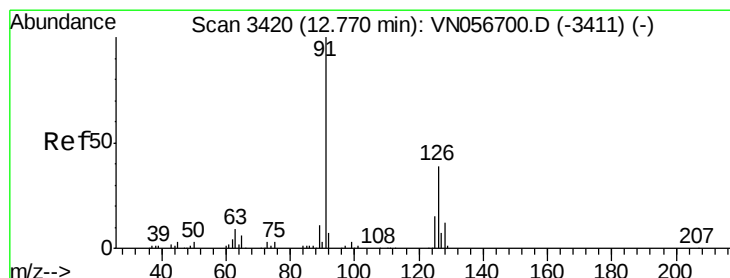
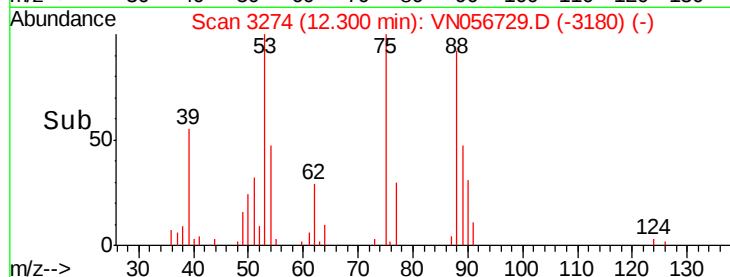
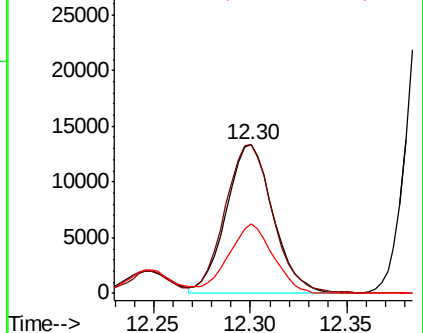
89 44.5 36.2 54.2



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: 18.037 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN056729.D

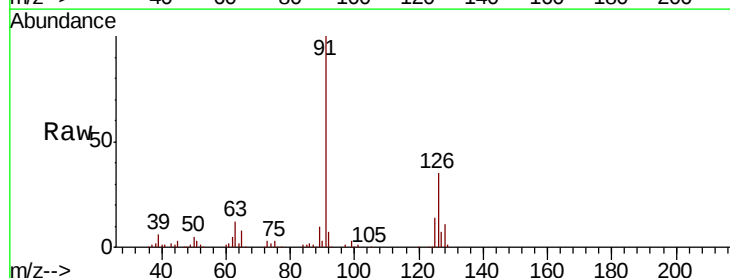
Acq: 15 Jul 2019 22:38

Tgt Ion: 91 Resp: 196132

Ion Ratio Lower Upper

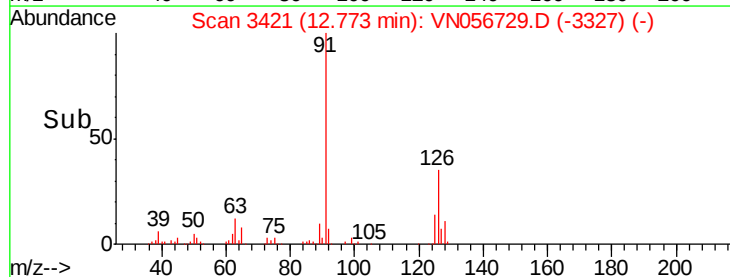
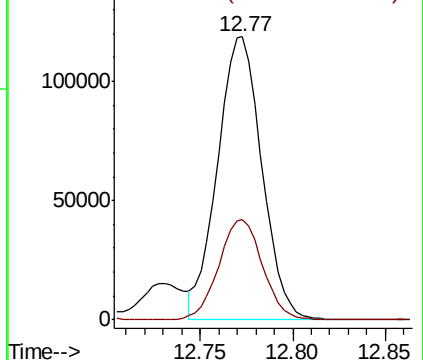
91 100

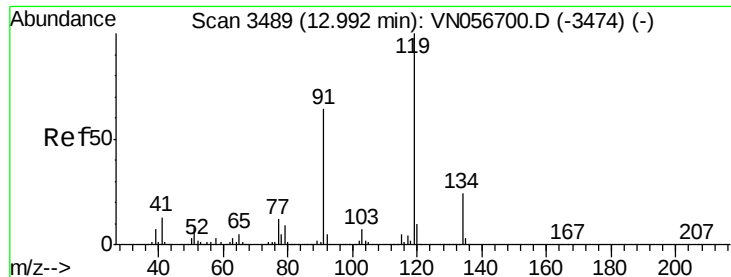
126 35.1 17.6 52.8



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

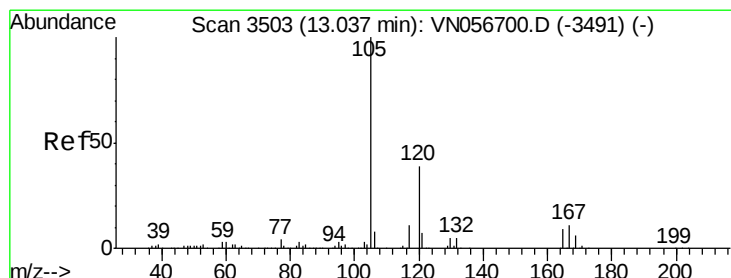
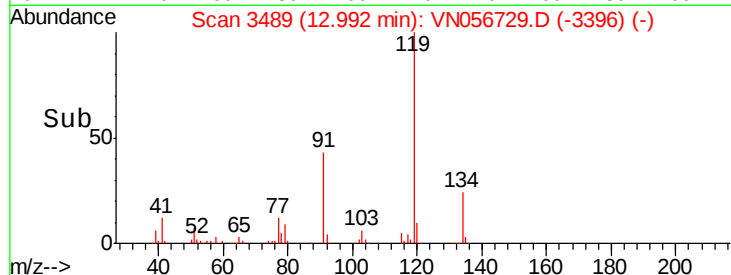
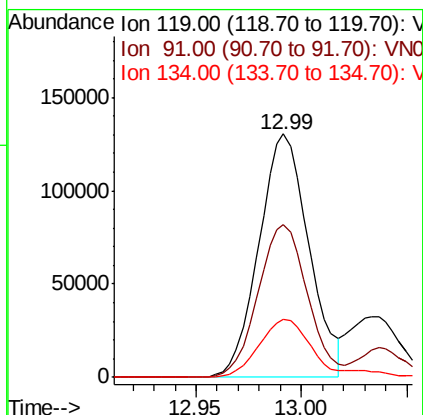
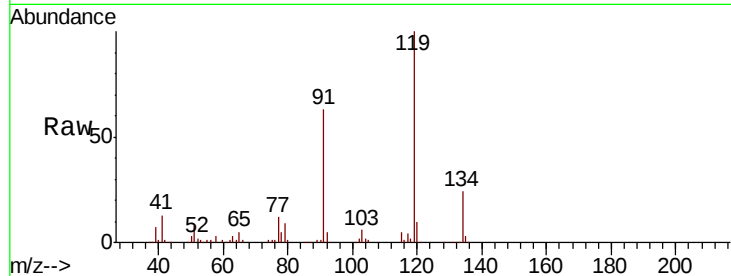




#83
tert-Butylbenzene
Concen: 18.603 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN056729.D
Acq: 15 Jul 2019 22:38

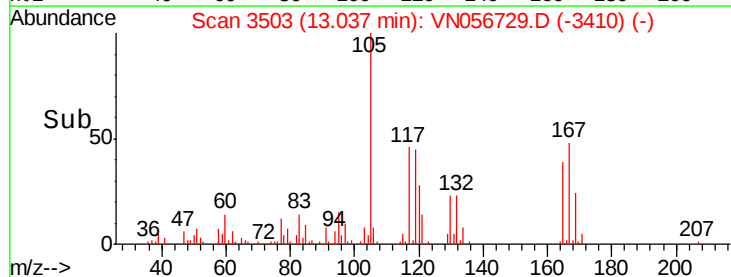
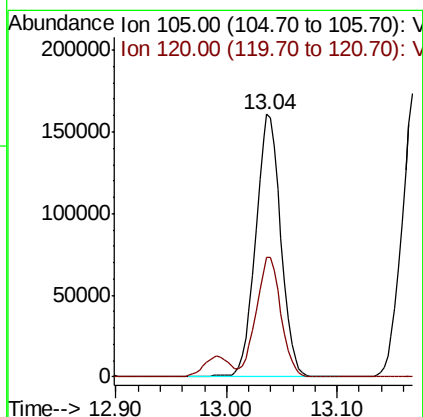
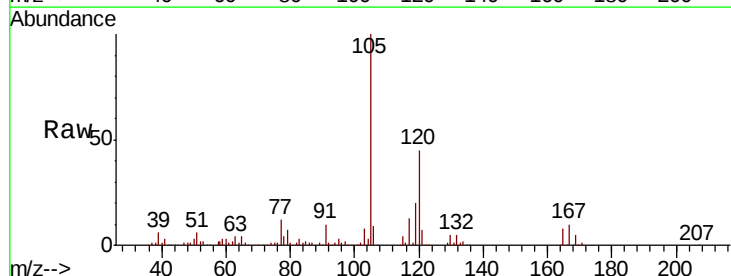
Instrument :
MSVOA_N
ClientSampleId :
VN0715WBS02

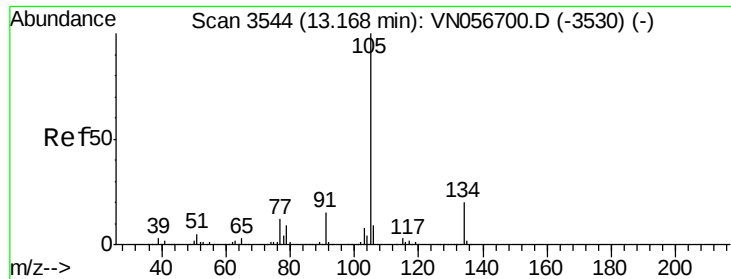
Tot Ion:119 Resp: 215127
Ion Ratio Lower Upper
119 100
91 62.2 31.8 95.4
134 24.3 13.0 38.9



#84
1,2,4-Trimethylbenzene
Concen: 18.259 ug/l
RT: 13.04 min Scan# 3503
Delta R.T. -0.00 min
Lab File: VN056729.D
Acq: 15 Jul 2019 22:38

Tgt Ion:105 Resp: 252318
Ion Ratio Lower Upper
105 100
120 44.8 22.9 68.8





#85

sec-Butylbenzene

Concen: 17.934 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN056729.D

Acq: 15 Jul 2019 22:38

Instrument :

MSVOA_N

ClientSampleId :

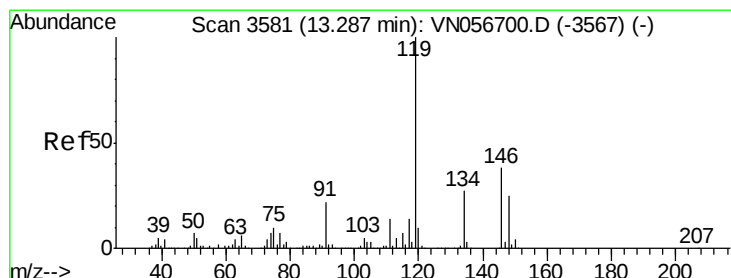
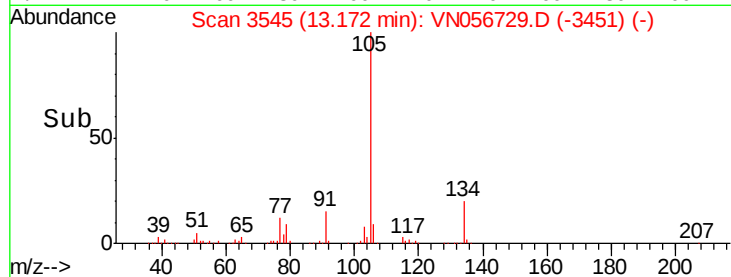
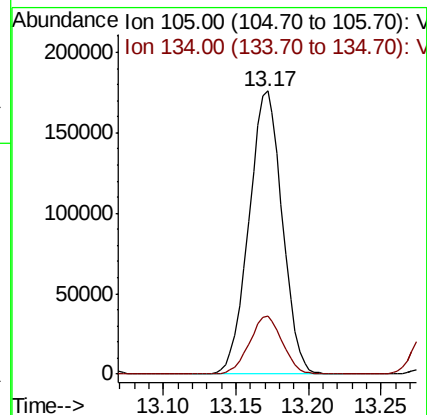
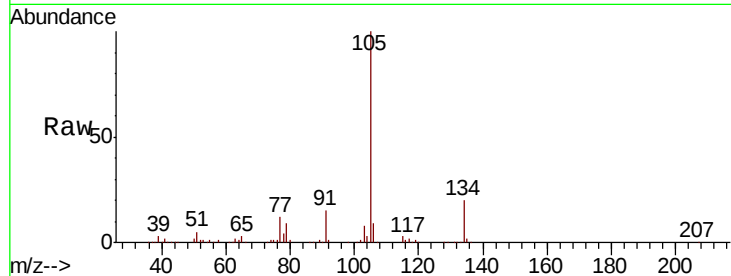
VN0715WBS02

Tot Ion:105 Resp: 281883

Ion Ratio Lower Upper

105 100

134 20.3 10.1 30.1



#86

p-Isopropyltoluene

Concen: 17.949 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN056729.D

Acq: 15 Jul 2019 22:38

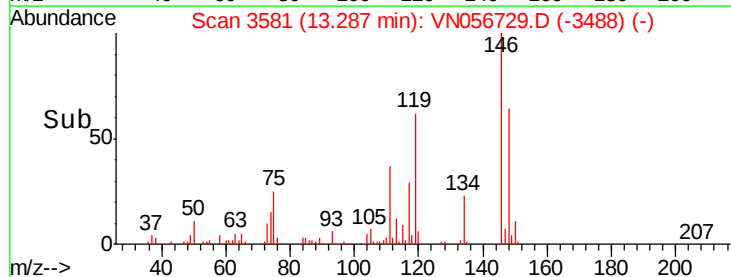
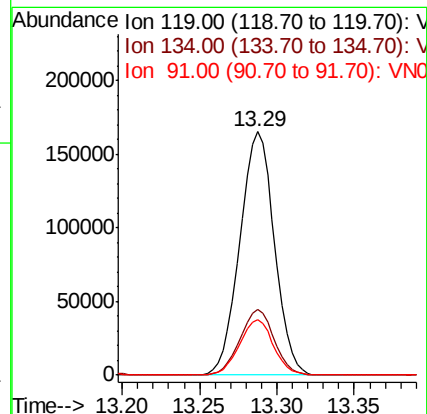
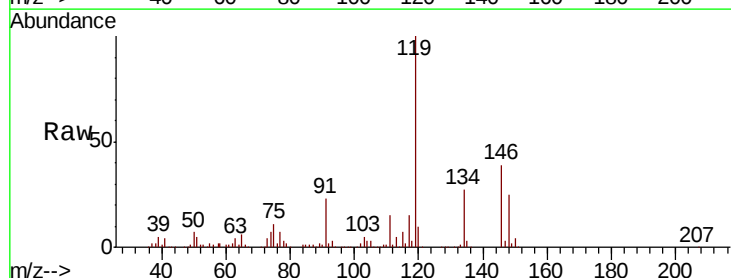
Tgt Ion:119 Resp: 255568

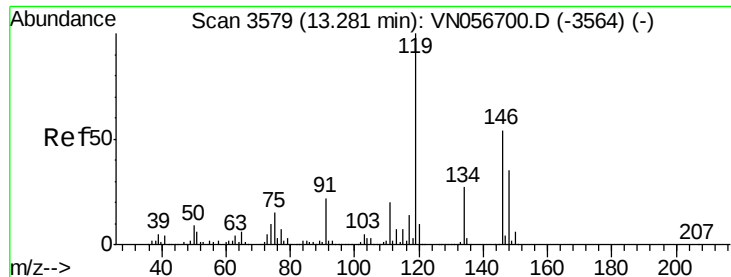
Ion Ratio Lower Upper

119 100

134 26.8 13.6 40.7

91 22.4 11.2 33.5

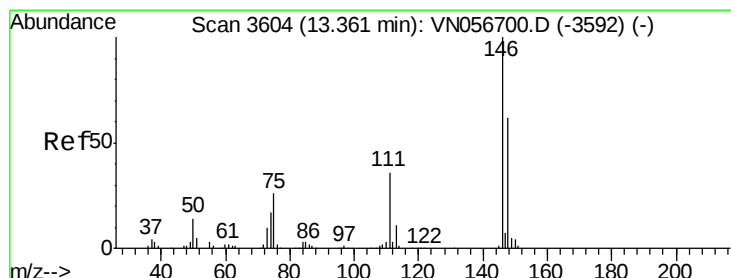
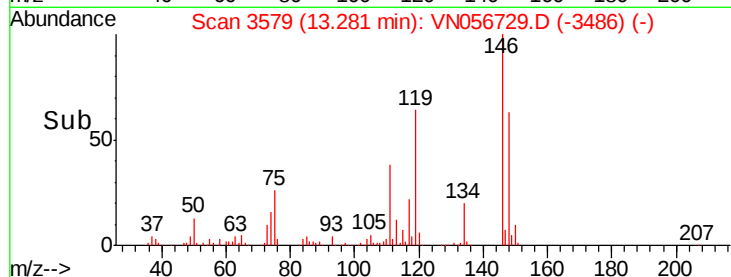
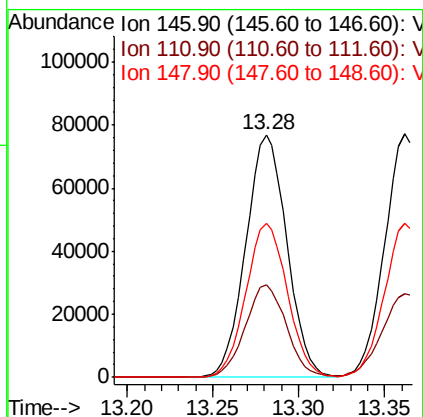
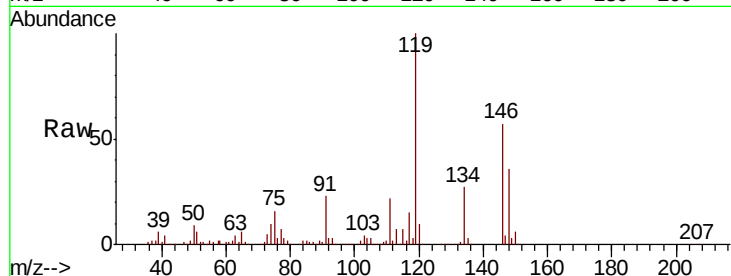




#87
 1,3-Dichlorobenzene
 Concen: 17.775 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN056729.D
 Acq: 15 Jul 2019 22:38

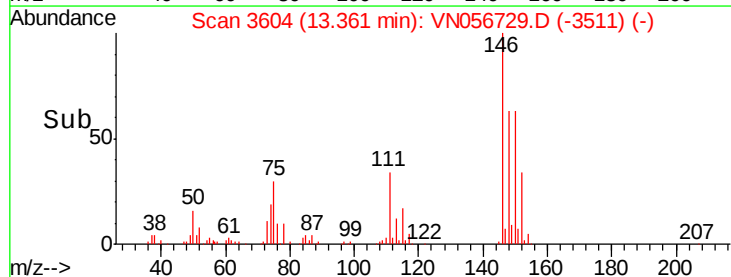
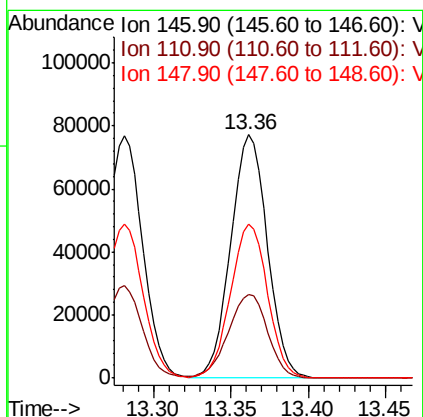
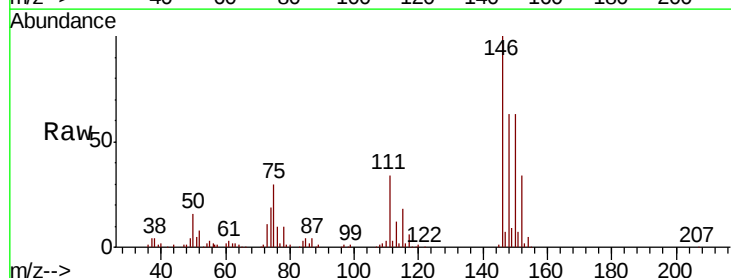
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0715WBS02

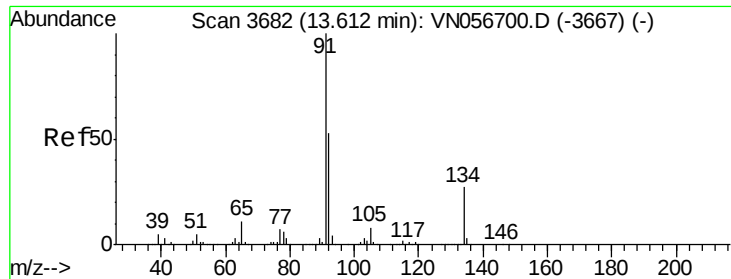
Tot Ion:146 Resp: 127164
 Ion Ratio Lower Upper
 146 100
 111 38.3 18.8 56.3
 148 64.2 32.3 96.8



#88
 1,4-Dichlorobenzene
 Concen: 18.246 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. -0.00 min
 Lab File: VN056729.D
 Acq: 15 Jul 2019 22:38

Tgt Ion:146 Resp: 126974
 Ion Ratio Lower Upper
 146 100
 111 37.0 18.6 55.8
 148 63.8 31.9 95.7





#89

n-Butylbenzene

Concen: 18.186 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. -0.00 min

Lab File: VN056729.D

Acq: 15 Jul 2019 22:38

Instrument :

MSVOA_N

ClientSampleId :

VN0715WBS02

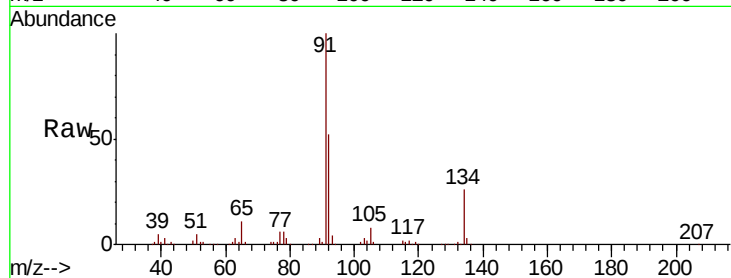
Tot Ion: 91 Resp: 208580

Ion Ratio Lower Upper

91 100

92 51.9 26.0 78.0

134 26.6 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) (-)

13.61

150000

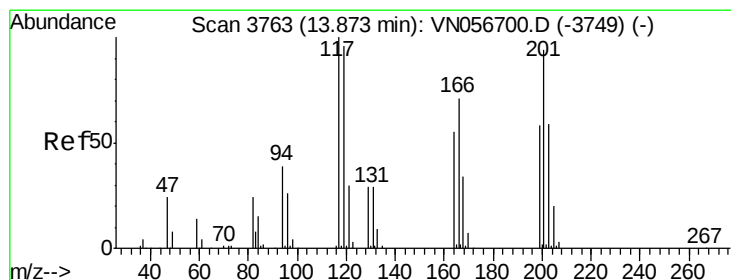
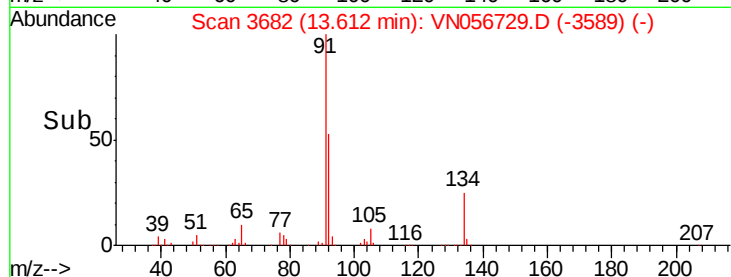
100000

50000

0

13.60 13.70

Time-->



#90

Hexachloroethane

Concen: 16.632 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. -0.00 min

Lab File: VN056729.D

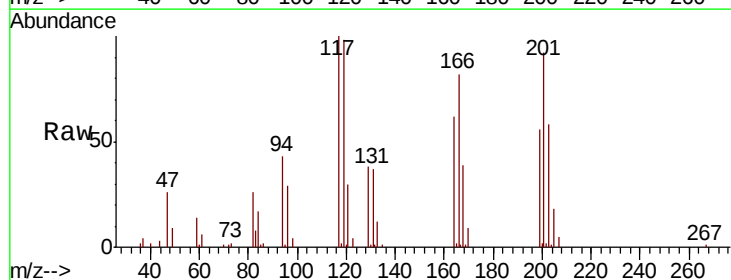
Acq: 15 Jul 2019 22:38

Tgt Ion: 117 Resp: 38297

Ion Ratio Lower Upper

117 100

201 93.5 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) (-)

13.87

25000

20000

15000

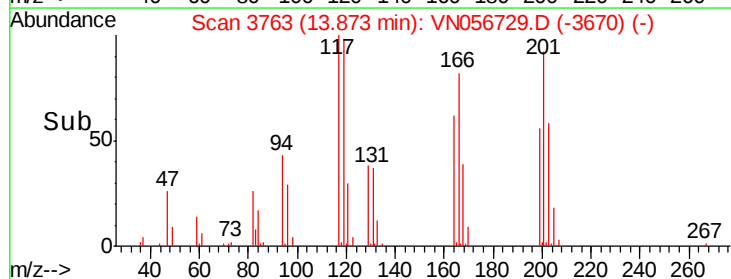
10000

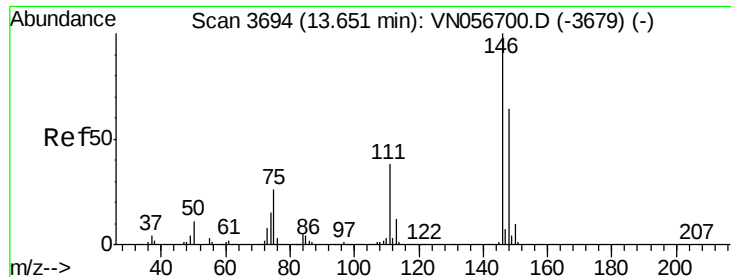
5000

0

13.80 13.85 13.90

Time-->





#91

1,2-Dichlorobenzene

Concen: 17.759 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. -0.00 min

Lab File: VN056729.D

Acq: 15 Jul 2019 22:38

Instrument :

MSVOA_N

ClientSampleId :

VN0715WBS02

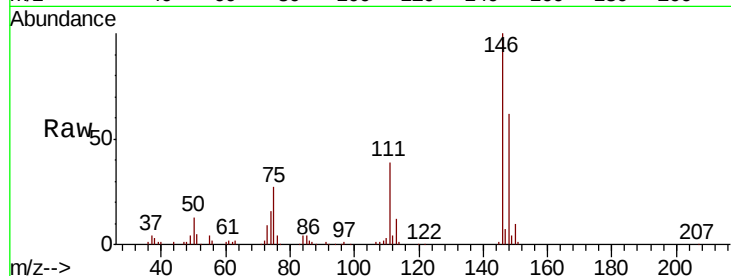
Tot Ion:146 Resp: 129938

Ion Ratio Lower Upper

146 100

111 38.7 19.1 57.1

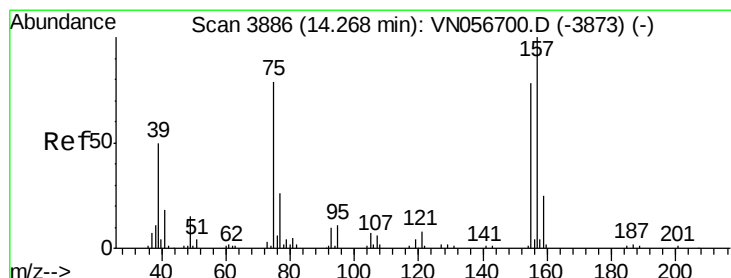
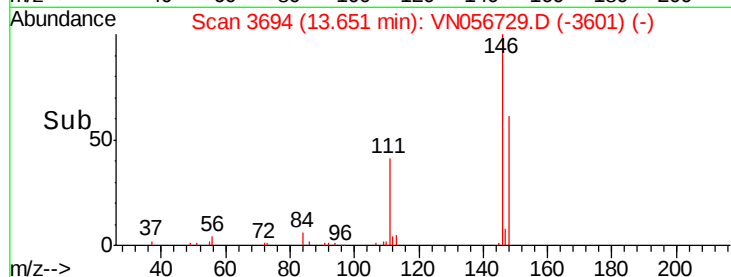
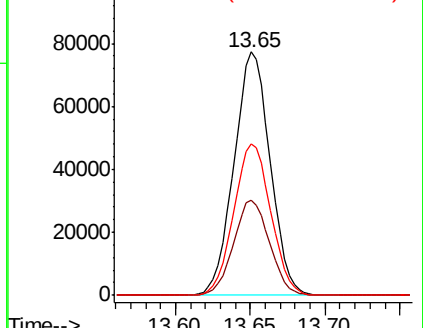
148 63.8 31.7 95.1



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: 17.463 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. -0.00 min

Lab File: VN056729.D

Acq: 15 Jul 2019 22:38

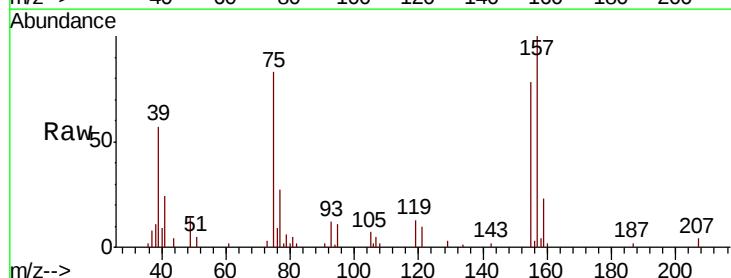
Tgt Ion: 75 Resp: 15629

Ion Ratio Lower Upper

75 100

155 95.1 49.3 147.9

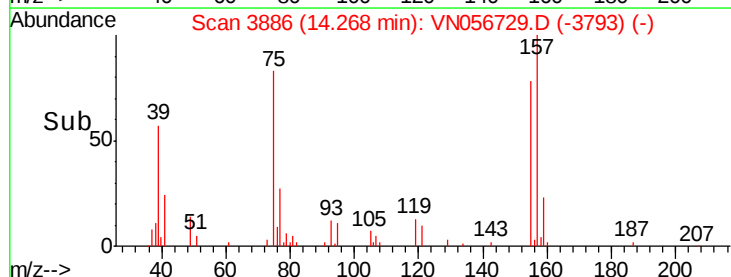
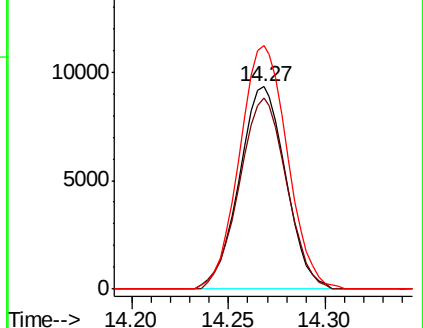
157 124.0 62.4 187.1

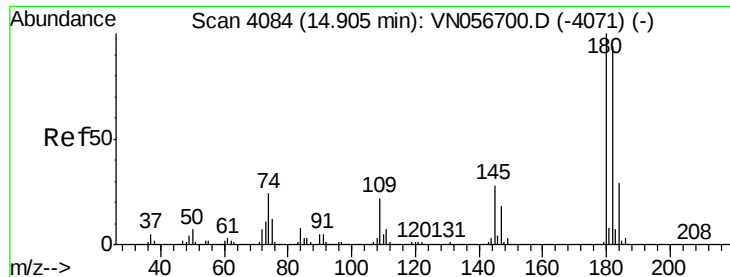


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

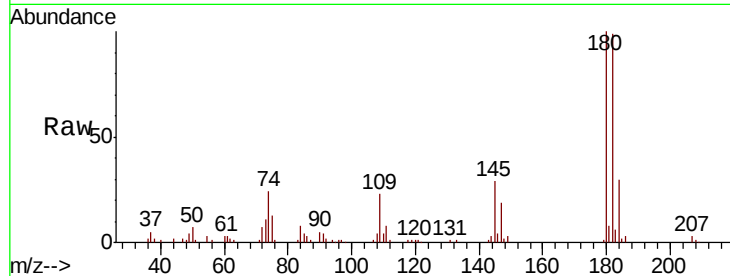




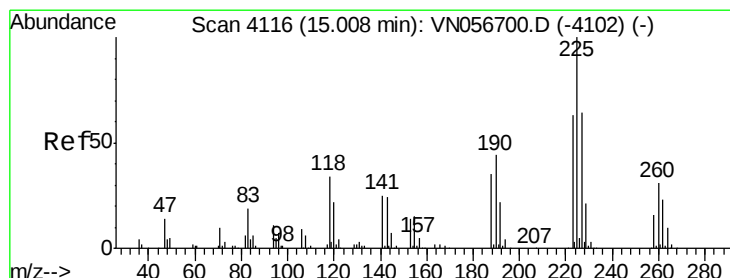
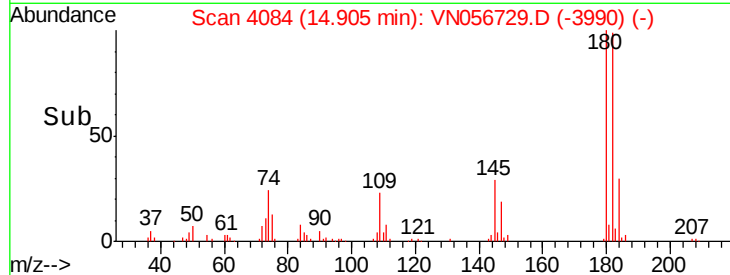
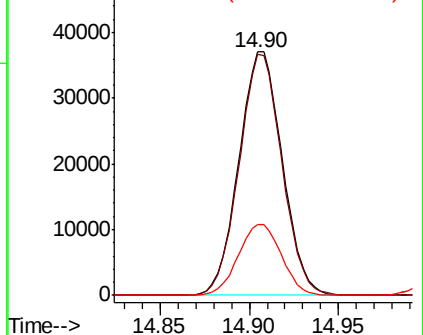
#93
 1,2,4-Trichlorobenzene
 Concen: 18.110 ug/l
 RT: 14.90 min Scan# 4084
 Delta R.T. 0.00 min
 Lab File: VN056729.D
 Acq: 15 Jul 2019 22:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0715WBS02

Tot Ion:180 Resp: 62931
 Ion Ratio Lower Upper
 180 100
 182 97.5 47.2 141.6
 145 28.9 14.2 42.8

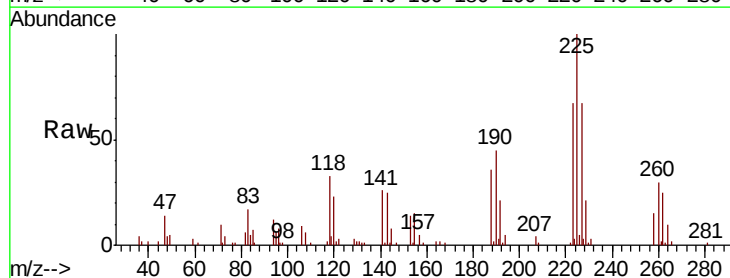


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

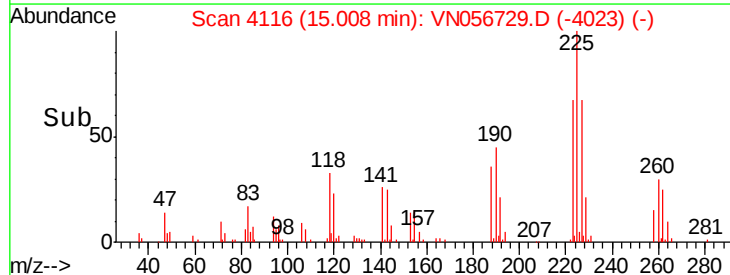
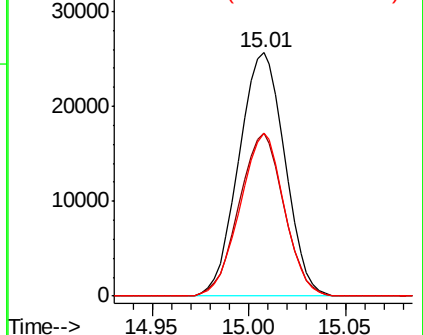


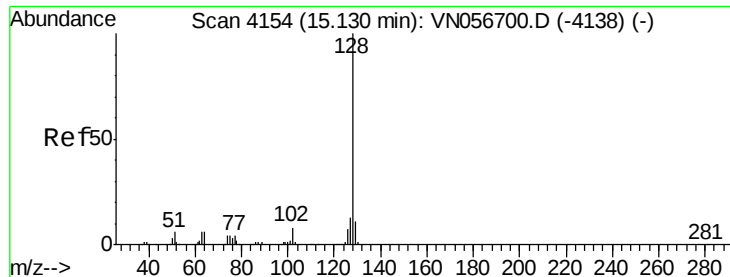
#94
 Hexachlorobutadiene
 Concen: 17.619 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN056729.D
 Acq: 15 Jul 2019 22:38

Tgt Ion:225 Resp: 42425
 Ion Ratio Lower Upper
 225 100
 223 65.4 31.5 94.5
 227 64.3 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: 17.516 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN056729.D

Acq: 15 Jul 2019 22:38

Instrument :

MSVOA_N

ClientSampleId :

VN0715WBS02

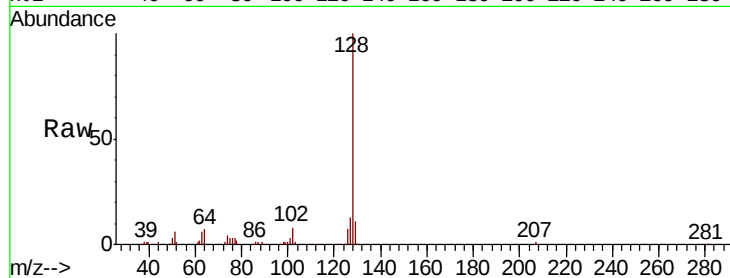
Tot Ion:128 Resp: 158406

Ion Ratio Lower Upper

128 100

127 12.9 10.3 15.5

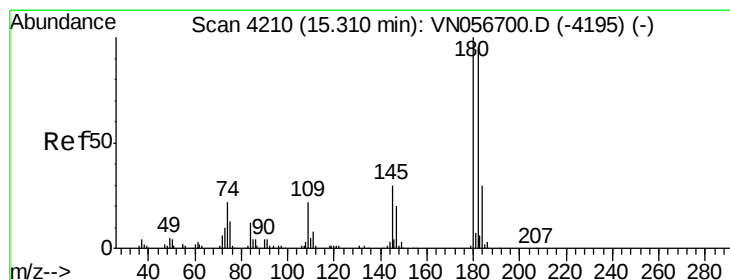
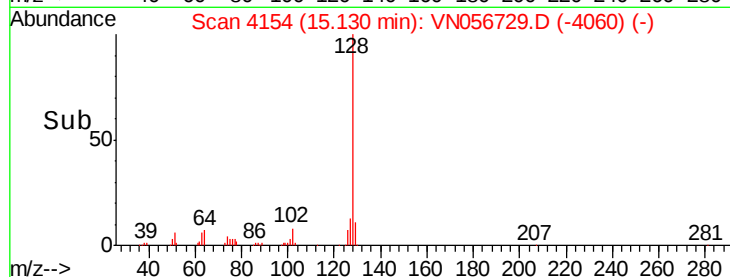
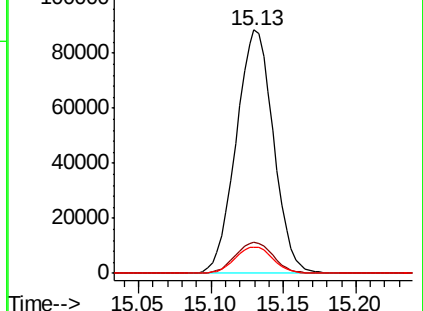
129 10.9 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 19.174 ug/l

RT: 15.31 min Scan# 4210

Delta R.T. 0.00 min

Lab File: VN056729.D

Acq: 15 Jul 2019 22:38

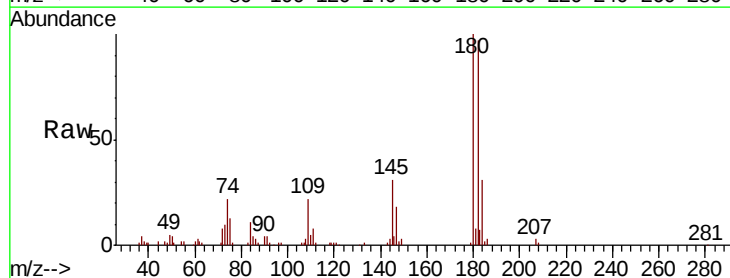
Tgt Ion:180 Resp: 68146

Ion Ratio Lower Upper

180 100

182 96.8 47.1 141.3

145 30.5 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

