

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101319\
 Data File : VN058730.D
 Acq On : 12 Oct 2019 2:39
 Operator : JC/SP
 Sample : VN1013WBSD02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1013WBSD02

Quant Time: Oct 12 05:48:09 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101319W.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 12 00:00:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	394098	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	650611	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	607397	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	285178	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.01	65	290985	52.74	ug/l	0.00
Spiked Amount			Recovery	=	105.48%	
35) Dibromofluoromethane	7.57	113	209452	52.12	ug/l	0.00
Spiked Amount			Recovery	=	104.24%	
50) Toluene-d8	10.09	98	810878	50.46	ug/l	0.00
Spiked Amount			Recovery	=	100.92%	
62) 4-Bromofluorobenzene	12.40	95	293664	48.28	ug/l	0.00
Spiked Amount			Recovery	=	96.56%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	106055	21.607	ug/l	100
3) Chloromethane	2.04	50	120240	20.601	ug/l	100
4) Vinyl Chloride	2.17	62	119904	20.627	ug/l	100
5) Bromomethane	2.55	94	74782	21.147	ug/l	100
6) Chloroethane	2.68	64	75313	21.004	ug/l	100
7) Trichlorofluoromethane	3.00	101	145172	20.867	ug/l	98
8) Diethyl Ether	3.39	74	51045	19.858	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.74	101	80369	20.261	ug/l	98
10) Methyl Iodide	3.93	142	108188	19.986	ug/l	100
11) Tert butyl alcohol	4.76	59	88884	99.474	ug/l	100
12) 1,1-Dichloroethene	3.72	96	77247	20.410	ug/l	97
13) Acrolein	3.58	56	62822	87.419	ug/l	96
14) Allyl chloride	4.30	41	147287	19.284	ug/l	98
15) Acrylonitrile	4.96	53	231956	102.938	ug/l	99
16) Acetone	3.80	43	209744	91.826	ug/l	100
17) Carbon Disulfide	4.03	76	242241	20.023	ug/l	100
18) Methyl Acetate	4.30	43	121964	21.050	ug/l	99
19) Methyl tert-butyl Ether	5.02	73	281913	20.860	ug/l	97
20) Methylene Chloride	4.53	84	94385	19.772	ug/l	97
21) trans-1,2-Dichloroethene	5.02	96	87457	20.658	ug/l	95
22) Diisopropyl ether	5.93	45	310340	20.898	ug/l	96
23) Vinyl Acetate	5.87	43	1278859	106.723	ug/l	99
24) 1,1-Dichloroethane	5.82	63	179094	21.175	ug/l	98
25) 2-Butanone	6.82	43	321447	97.365	ug/l	99
26) 2,2-Dichloropropane	6.81	77	118037	15.288	ug/l	99
27) cis-1,2-Dichloroethene	6.81	96	98081	19.867	ug/l	98
28) Bromochloromethane	7.18	49	62581	21.268	ug/l	99
29) Tetrahydrofuran	7.19	42	217795	102.083	ug/l	99
30) Chloroform	7.35	83	174869	20.578	ug/l	97
31) Cyclohexane	7.64	56	157640	19.479	ug/l	98
32) 1,1,1-Trichloroethane	7.55	97	150309	20.741	ug/l	99
36) 1,1-Dichloropropene	7.78	75	130527	19.843	ug/l	98
37) Ethyl Acetate	6.91	43	137771	20.709	ug/l	99
38) Carbon Tetrachloride	7.76	117	131894	20.573	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.07	83	143028	18.738	ug/l	99
40) Benzene	8.02	78	380060	20.117	ug/l	100
41) Methacrylonitrile	7.19	41	200441	64.364	ug/l #	25
42) 1,2-Dichloroethane	8.11	62	150178	20.691	ug/l	99
43) Isopropyl Acetate	8.15	43	221041	19.504	ug/l	99
44) Trichloroethene	8.82	130	95133	20.277	ug/l	97
45) 1,2-Dichloropropane	9.11	63	105696	20.899	ug/l	95
46) Dibromomethane	9.20	93	66372	20.699	ug/l	100
47) Bromodichloromethane	9.39	83	134263	20.562	ug/l	95
48) Methyl methacrylate	9.19	41	100345	19.533	ug/l	99
49) 1,4-Dioxane	9.19	88	31981	402.402	ug/l	95
51) 4-Methyl-2-Pentanone	9.98	43	678981	106.677	ug/l	99
52) Toluene	10.15	92	233073	20.171	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	142974	19.091	ug/l	100
54) cis-1,3-Dichloropropene	9.83	75	154482	19.428	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	92655	19.591	ug/l	98
56) Ethyl methacrylate	10.43	69	137084	19.841	ug/l	99
57) 1,3-Dichloropropane	10.71	76	163397	20.275	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	336557	101.077	ug/l	99
59) 2-Hexanone	10.75	43	496354	100.910	ug/l	98
60) Dibromochloromethane	10.90	129	99157	20.325	ug/l	99
61) 1,2-Dibromoethane	11.00	107	93482	19.730	ug/l	99
64) Tetrachloroethene	10.63	164	83875	19.732	ug/l	95
65) Chlorobenzene	11.43	112	247668	20.079	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	92828	20.352	ug/l	99
67) Ethyl Benzene	11.51	91	447526	20.353	ug/l	100
68) m/p-Xylenes	11.62	106	329896	39.980	ug/l	99
69) o-Xylene	11.95	106	158390	19.840	ug/l	99
70) Styrene	11.97	104	255140	19.499	ug/l	99
71) Bromoform	12.13	173	65767	19.671	ug/l #	99
73) Isopropylbenzene	12.25	105	427134	20.681	ug/l	100
74) N-amyl acetate	12.07	43	187097	20.170	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	139493	20.502	ug/l	98
76) 1,2,3-Trichloropropane	12.56	75	182997	29.251	ug/l #	100
77) Bromobenzene	12.53	156	102622	20.428	ug/l	98
78) n-propylbenzene	12.59	91	502030	20.860	ug/l	100
79) 2-Chlorotoluene	12.68	91	300062	20.088	ug/l	100
80) 1,3,5-Trimethylbenzene	12.74	105	366591	20.791	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	40975	17.544	ug/l	92
82) 4-Chlorotoluene	12.78	91	311468	20.320	ug/l	99
83) tert-Butylbenzene	13.00	119	309557	20.493	ug/l	99
84) 1,2,4-Trimethylbenzene	13.05	105	367212	20.978	ug/l	100
85) sec-Butylbenzene	13.18	105	409758	20.587	ug/l	99
86) p-Isopropyltoluene	13.29	119	369951	20.451	ug/l	98
87) 1,3-Dichlorobenzene	13.29	146	186343	20.114	ug/l	100
88) 1,4-Dichlorobenzene	13.37	146	185825	19.728	ug/l	98
89) n-Butylbenzene	13.62	91	320749	19.176	ug/l	100
90) Hexachloroethane	13.88	117	66963	20.688	ug/l	98
91) 1,2-Dichlorobenzene	13.66	146	185209	20.512	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.28	75	30293	19.058	ug/l	97

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Quant Title : SW846 8260
QLast Update : Sat Oct 12 00:00:30 2019
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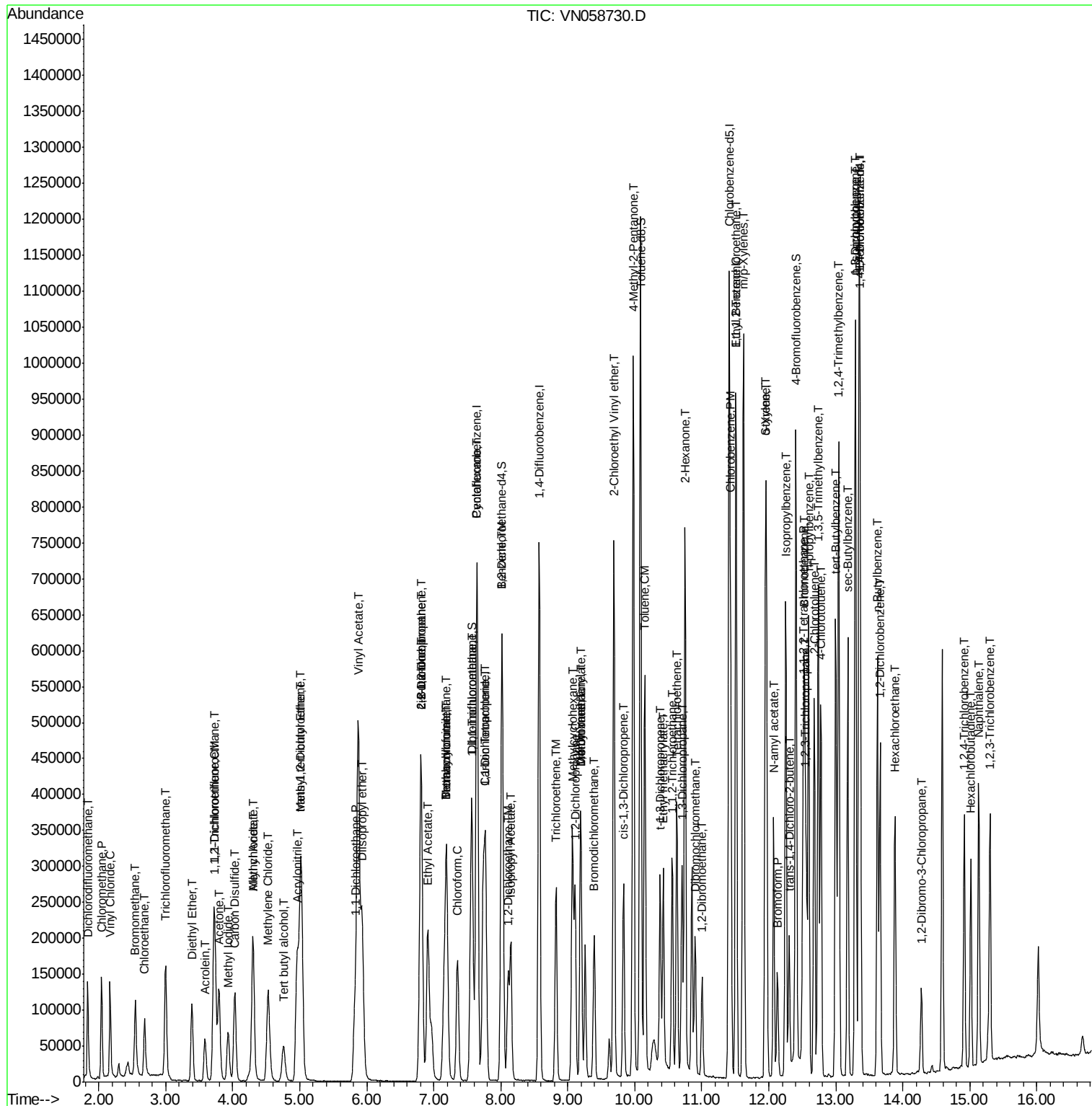
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	105689	19.188	ug/l	100
94) Hexachlorobutadiene	15.02	225	53057	18.292	ug/l	99
95) Naphthalene	15.13	128	305969	19.328	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	103267	19.203	ug/l	99

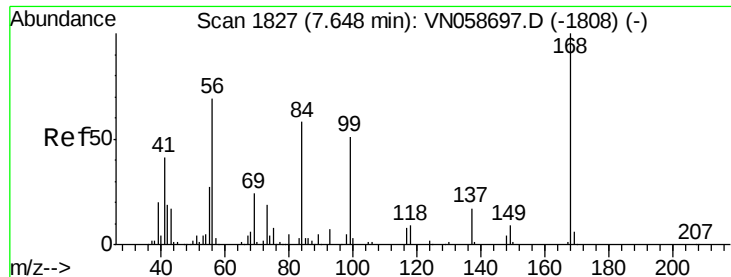
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. 0.00 min

Lab File: VN058730.D

Acq: 12 Oct 2019 2:39

Instrument :

MSVOA_N

ClientSampleId :

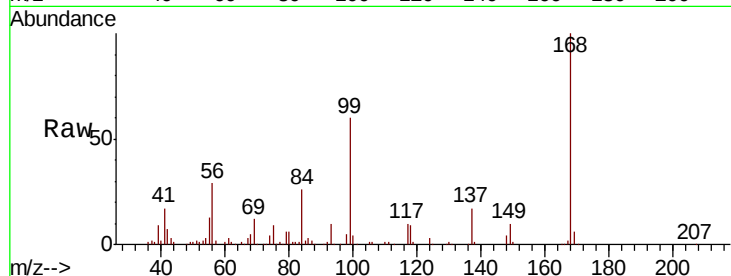
VN1013WBSD02

Tot Ion:168 Resp: 394098

Ion Ratio Lower Upper

168 100

99 60.0 47.5 71.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.65

150000

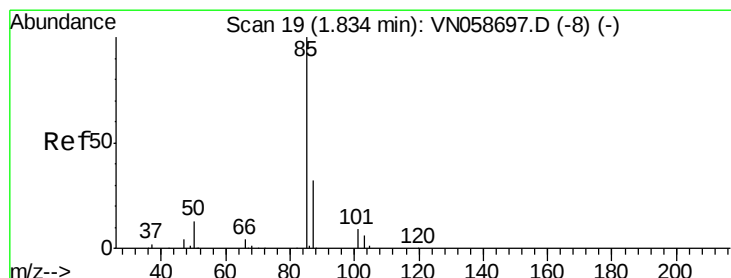
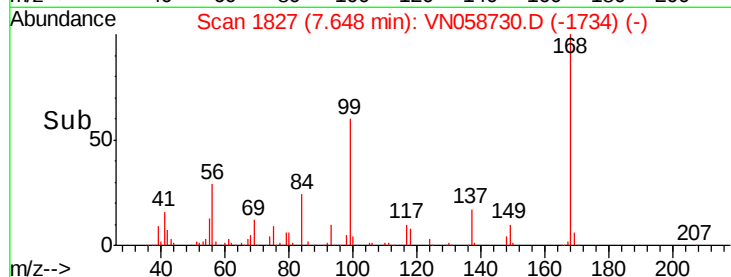
100000

50000

0

7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 21.607 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN058730.D

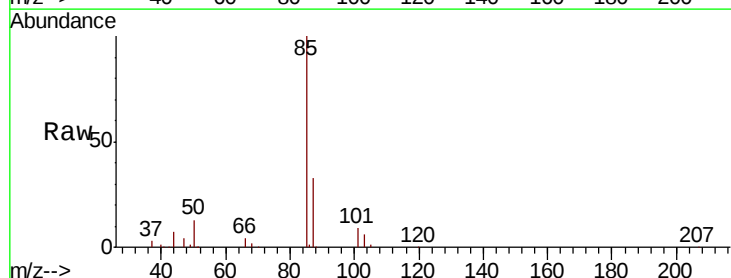
Acq: 12 Oct 2019 2:39

Tgt Ion: 85 Resp: 106055

Ion Ratio Lower Upper

85 100

87 32.5 16.2 48.6



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.83

80000

60000

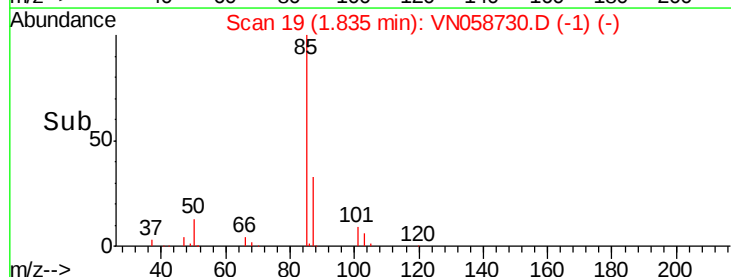
40000

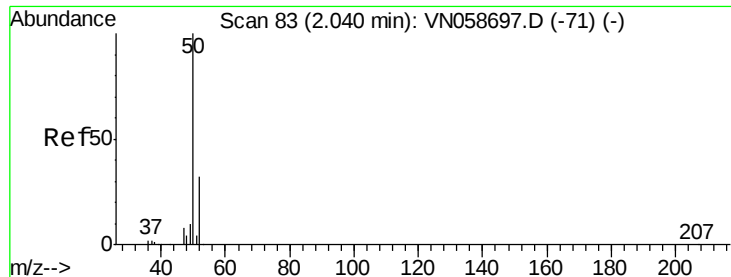
20000

0

1.75 1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 20.601 ug/l

RT: 2.04 min Scan# 84

Delta R.T. 0.00 min

Lab File: VN058730.D

Acq: 12 Oct 2019 2:39

Instrument :

MSVOA_N

ClientSampleId :

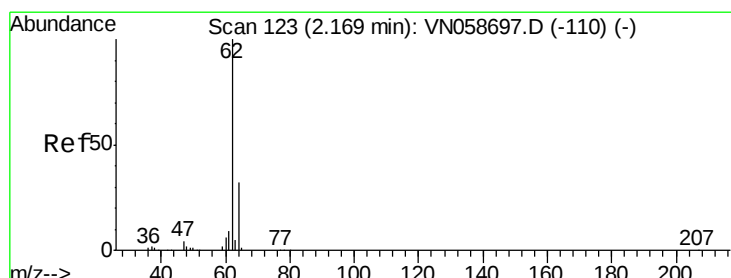
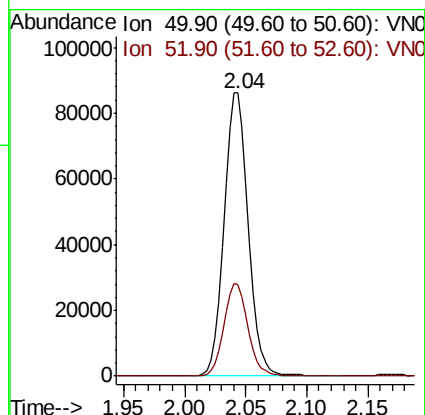
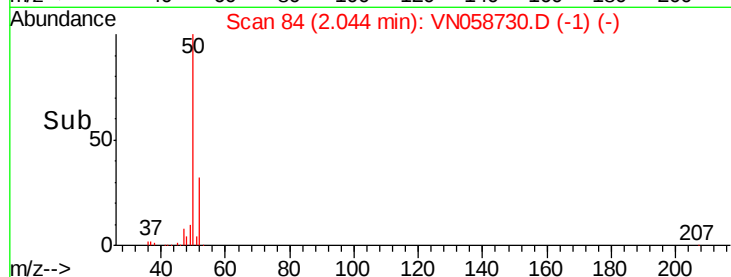
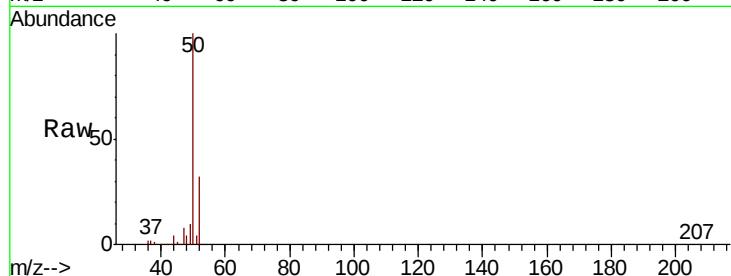
VN1013WBSD02

Tot Ion: 50 Resp: 120240

Ion Ratio Lower Upper

50 100

52 32.2 25.8 38.6



#4

Vinyl Chloride

Concen: 20.627 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN058730.D

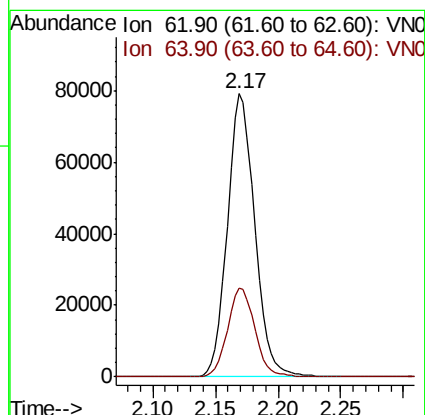
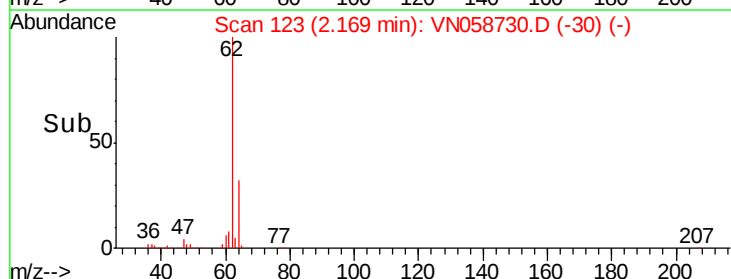
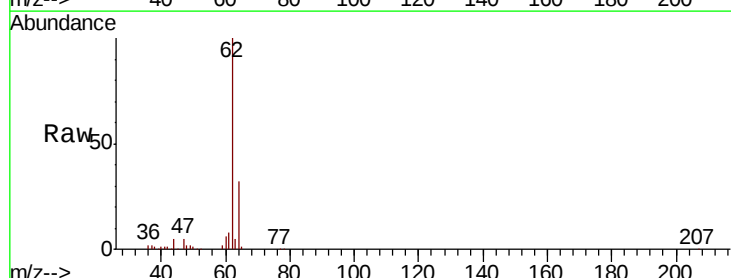
Acq: 12 Oct 2019 2:39

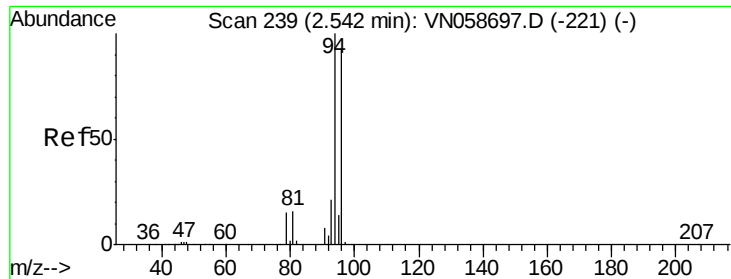
Tgt Ion: 62 Resp: 119904

Ion Ratio Lower Upper

62 100

64 31.6 25.3 37.9





#5

Bromomethane

Concen: 21.147 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.00 min

Lab File: VN058730.D

Acq: 12 Oct 2019 2:39

Instrument :

MSVOA_N

ClientSampleId :

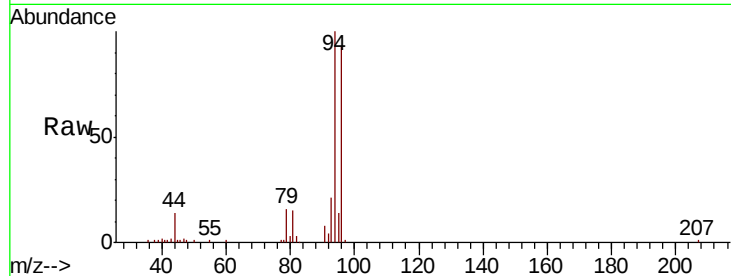
VN1013WBSD02

Tot Ion: 94 Resp: 74782

Ion Ratio Lower Upper

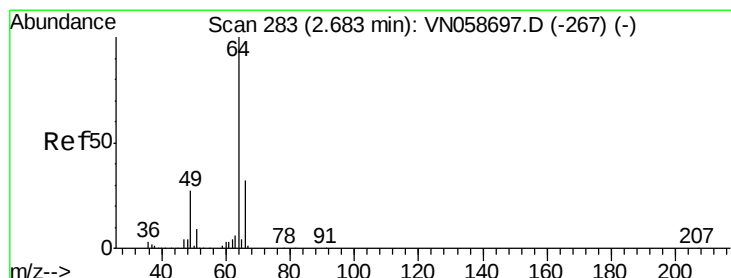
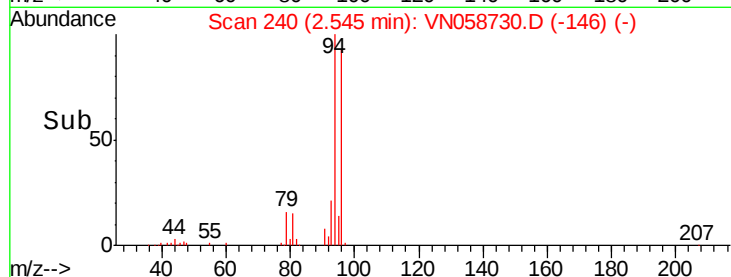
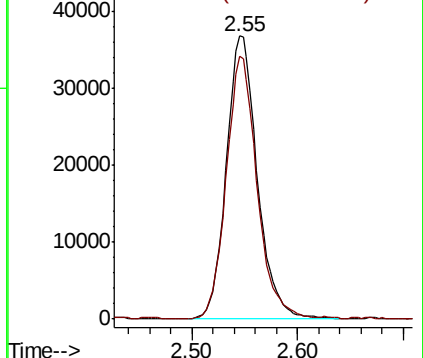
94 100

96 93.0 74.5 111.7



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 21.004 ug/l

RT: 2.68 min Scan# 283

Delta R.T. 0.00 min

Lab File: VN058730.D

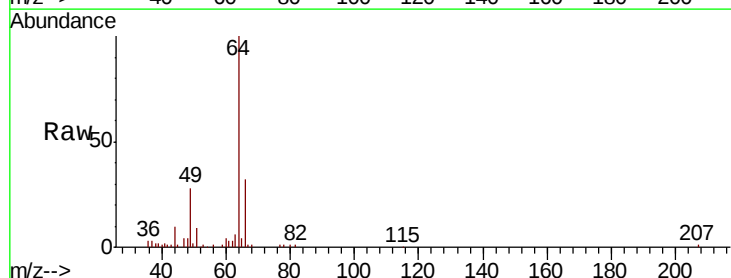
Acq: 12 Oct 2019 2:39

Tgt Ion: 64 Resp: 75313

Ion Ratio Lower Upper

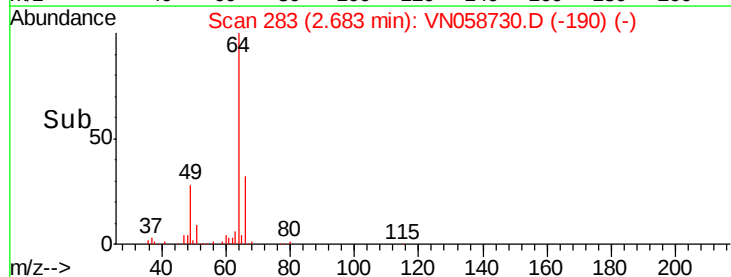
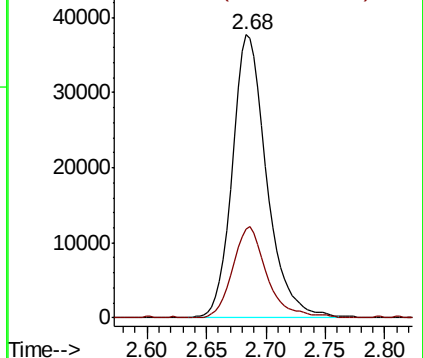
64 100

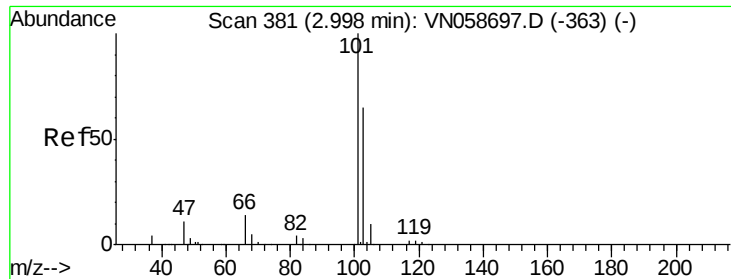
66 31.5 25.4 38.2



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



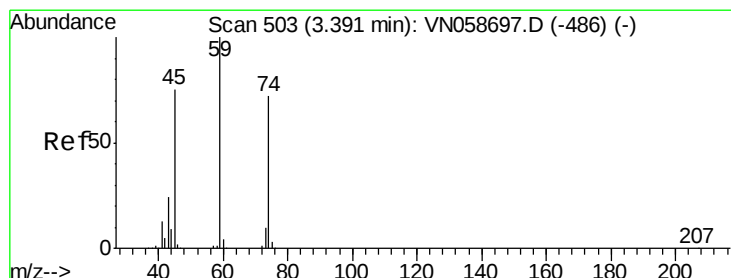
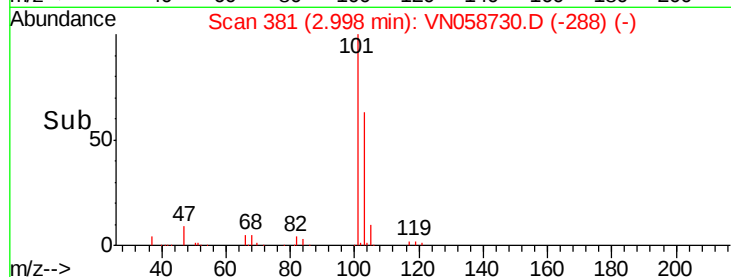
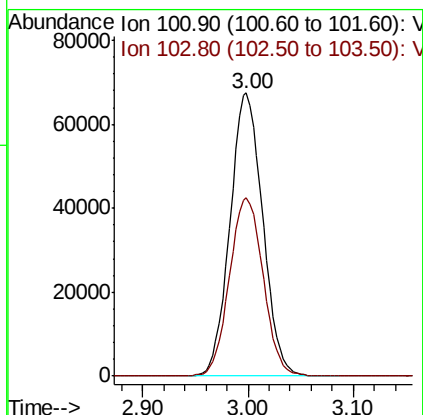
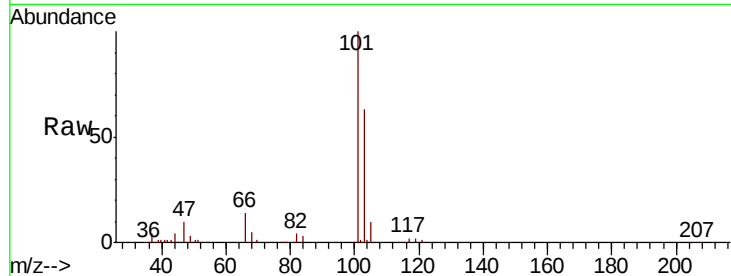


#7

Trichlorofluoromethane
Concen: 20.867 ug/l
RT: 3.00 min Scan# 381
Delta R.T. 0.00 min
Lab File: VN058730.D
Acq: 12 Oct 2019 2:39

Instrument :
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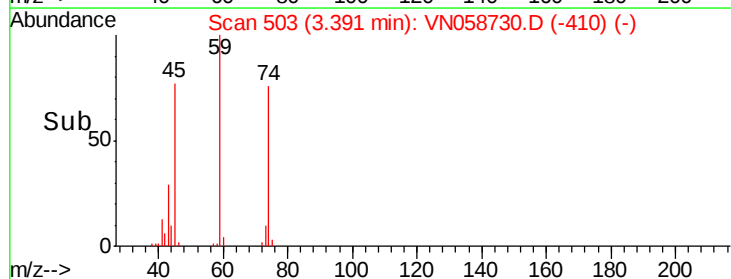
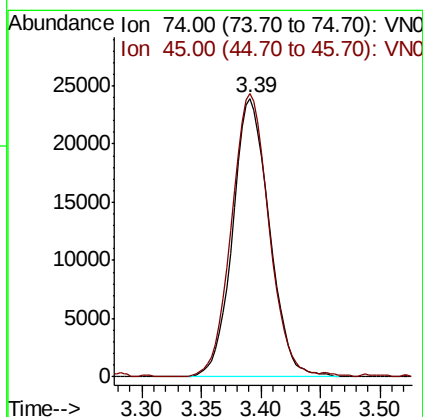
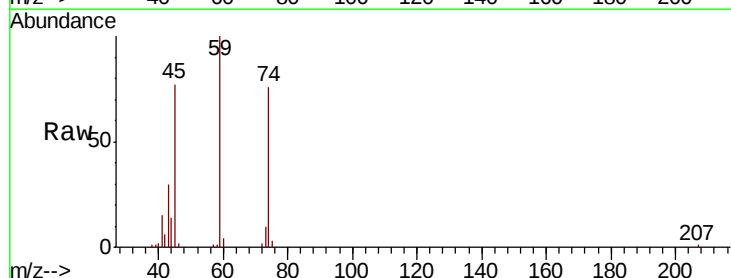
Tot Ion:101 Resp: 145172
Ion Ratio Lower Upper
101 100
103 62.9 51.8 77.6

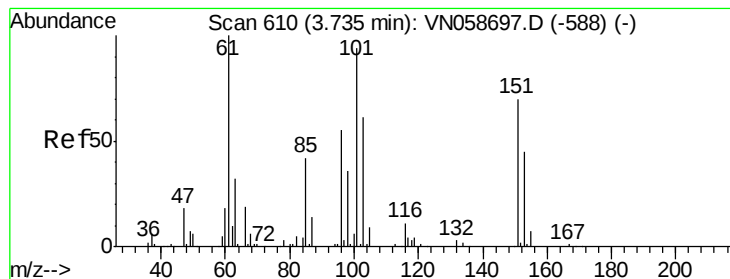


#8

Diethyl Ether
Concen: 19.858 ug/l
RT: 3.39 min Scan# 503
Delta R.T. 0.00 min
Lab File: VN058730.D
Acq: 12 Oct 2019 2:39

Tgt Ion: 74 Resp: 51045
Ion Ratio Lower Upper
74 100
45 103.9 51.3 154.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.261 ug/l

RT: 3.74 min Scan# 612

Delta R.T. 0.01 min

Lab File: VN058730.D

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VN1013WBSD02

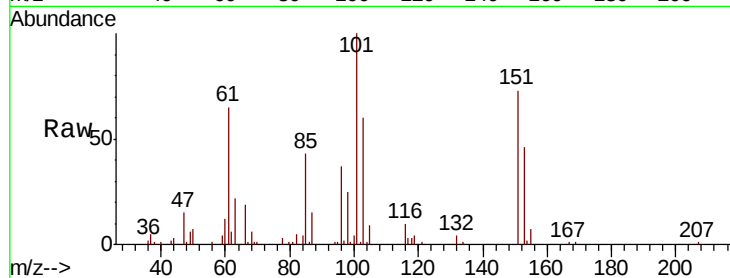
Tot Ion:101 Resp: 80369

Ion Ratio Lower Upper

101 100

85 45.3 37.0 55.6

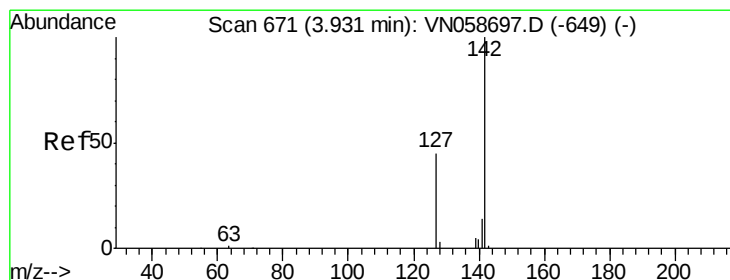
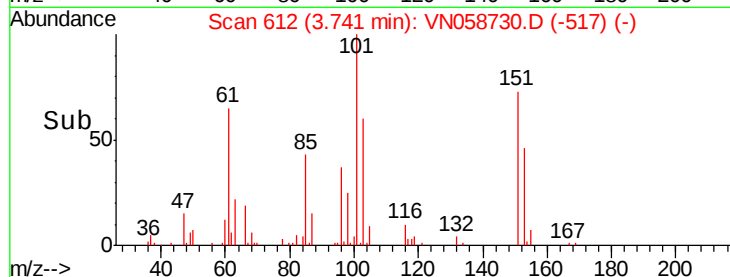
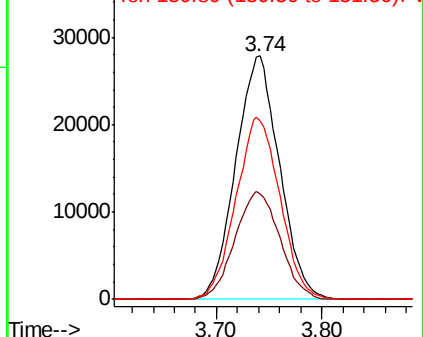
151 75.2 61.8 92.6



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 19.986 ug/l

RT: 3.93 min Scan# 671

Delta R.T. 0.00 min

Lab File: VN058730.D

Acq: 12 Oct 2019 2:39

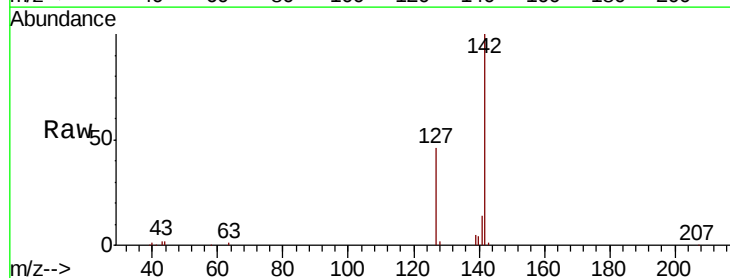
Tgt Ion:142 Resp: 108188

Ion Ratio Lower Upper

142 100

127 45.5 36.4 54.6

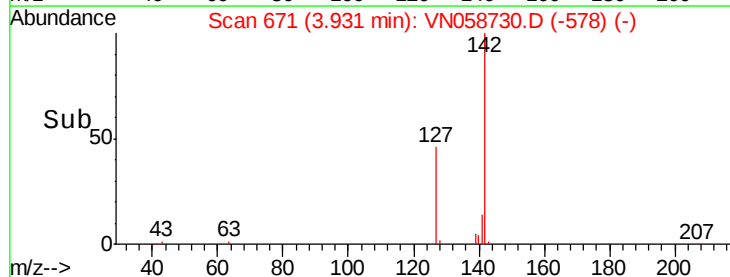
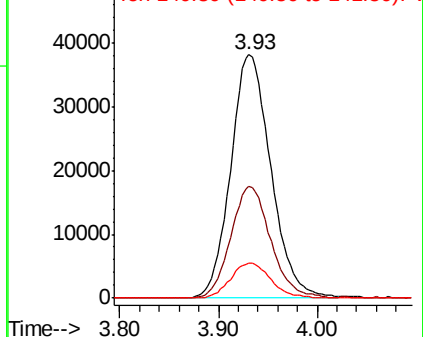
141 14.3 11.1 16.7

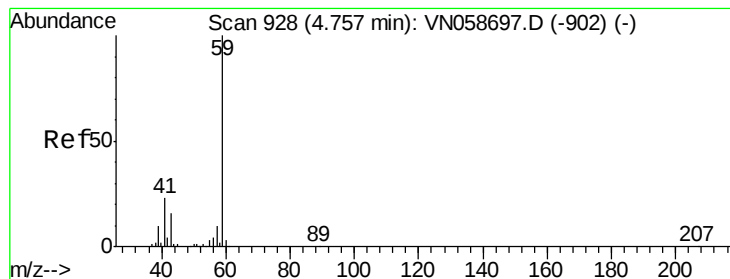


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



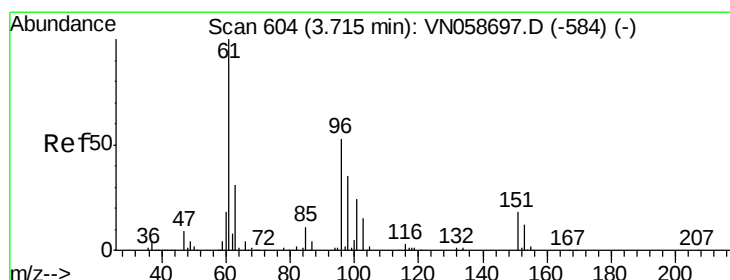
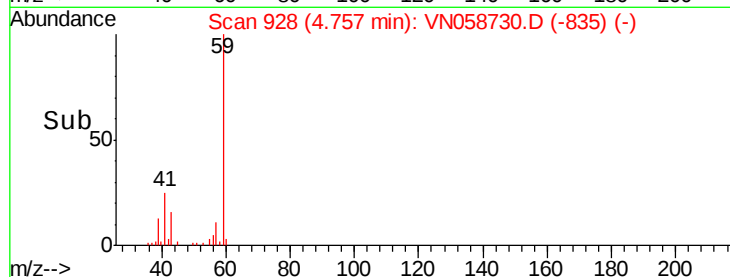
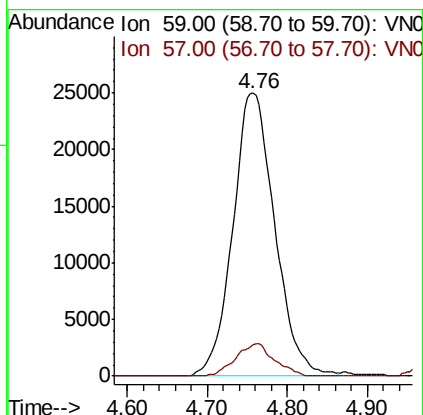
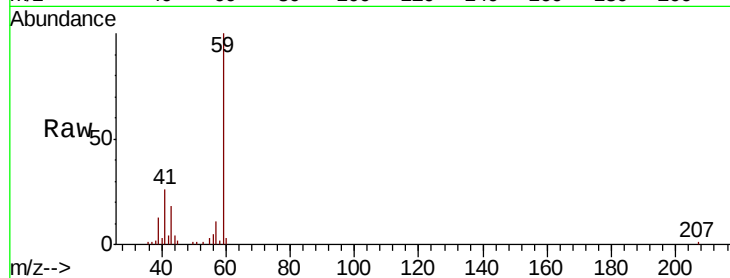


#11

Tert butyl alcohol
 Concen: 99.474 ug/l
 RT: 4.76 min Scan# 928
 Delta R.T. 0.00 min
 Lab File: VN058730.D
 Acq: 12 Oct 2019 2:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1013WBSD02

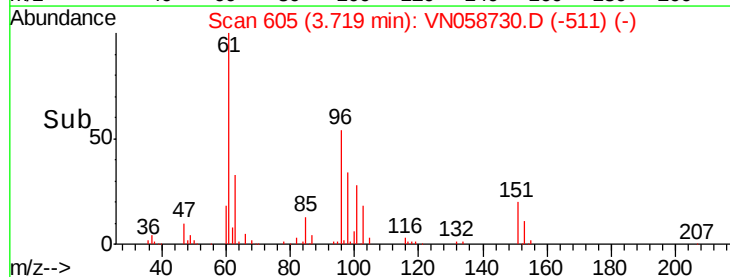
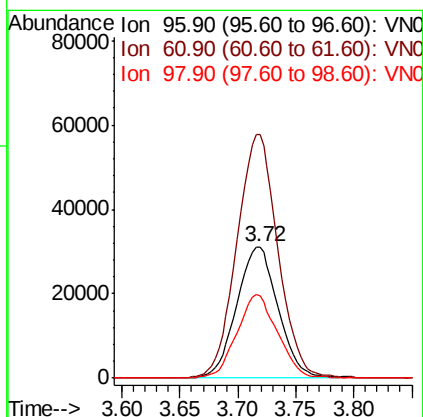
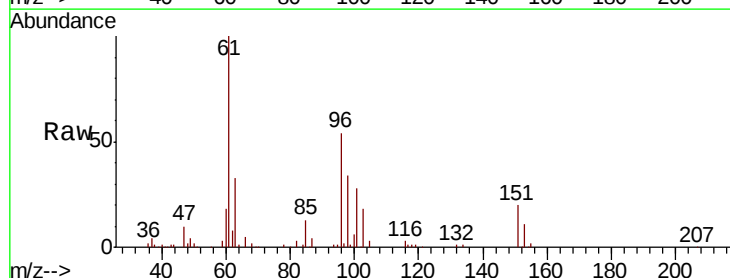
Tot Ion: 59 Resp: 88884
 Ion Ratio Lower Upper
 59 100
 57 10.6 8.4 12.6

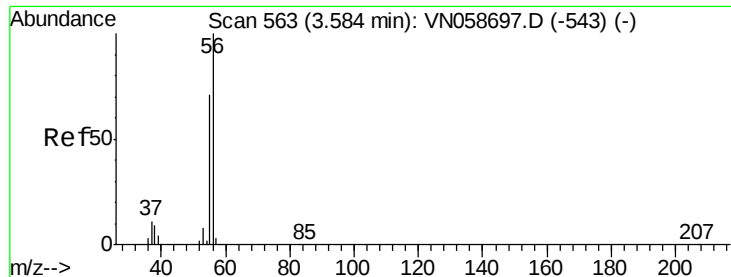


#12

1,1-Dichloroethene
 Concen: 20.410 ug/l
 RT: 3.72 min Scan# 605
 Delta R.T. 0.00 min
 Lab File: VN058730.D
 Acq: 12 Oct 2019 2:39

Tgt Ion: 96 Resp: 77247
 Ion Ratio Lower Upper
 96 100
 61 185.2 151.3 226.9
 98 62.4 52.6 78.8





#13

Acrolein

Concen: 87.419 ug/l

RT: 3.58 min Scan# 563

Delta R.T. 0.00 min

Lab File: VN058730.D

Acq: 12 Oct 2019 2:39

Instrument :

MSVOA_N

ClientSampleId :

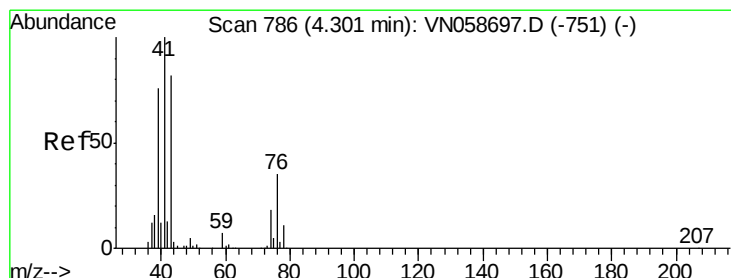
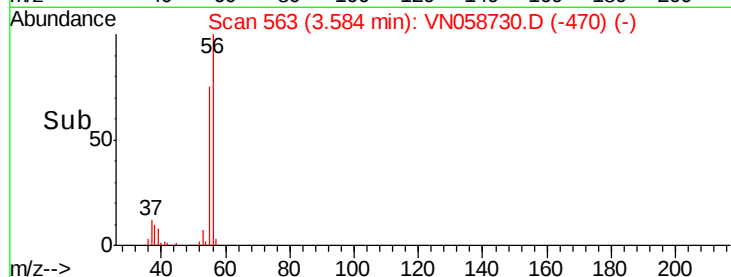
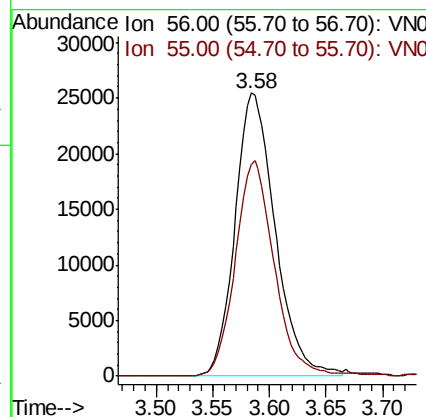
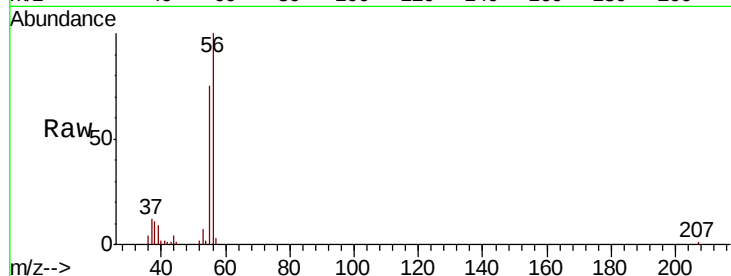
VN1013WBSD02

Tot Ion: 56 Resp: 62822

Ion Ratio Lower Upper

56 100

55 74.3 56.7 85.1



#14

Allyl chloride

Concen: 19.284 ug/l

RT: 4.30 min Scan# 786

Delta R.T. 0.00 min

Lab File: VN058730.D

Acq: 12 Oct 2019 2:39

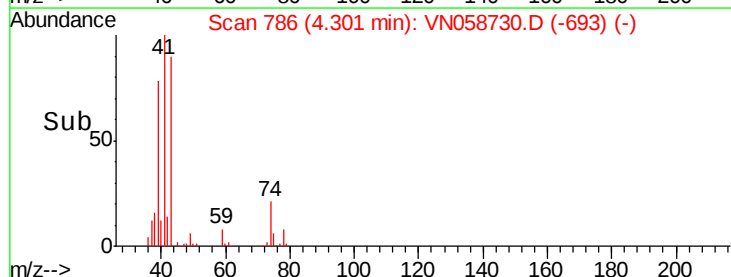
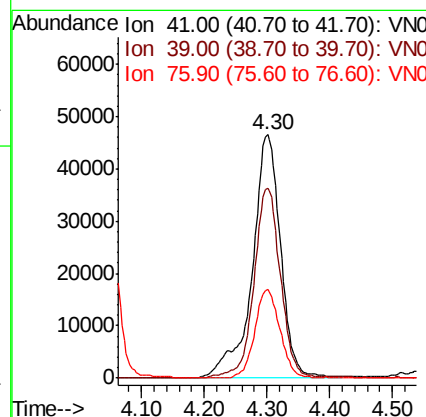
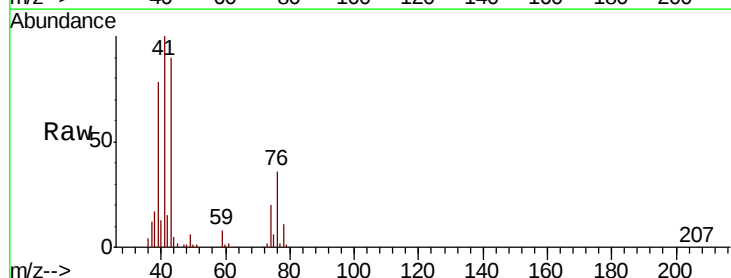
Tgt Ion: 41 Resp: 147287

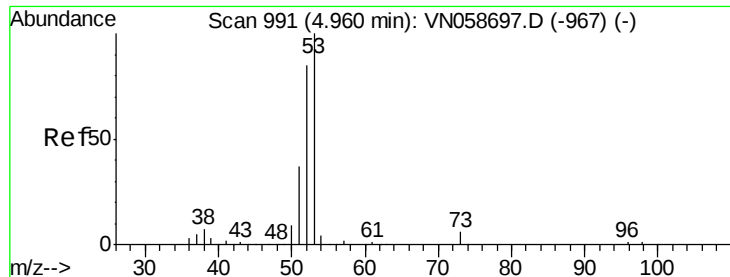
Ion Ratio Lower Upper

41 100

39 73.0 57.2 85.8

76 32.1 25.0 37.6





#15

Acrylonitrile

Concen: 102.938 ug/l

RT: 4.96 min Scan# 991

Delta R.T. 0.00 min

Lab File: VN058730.D

Acq: 12 Oct 2019 2:39

Instrument :

MSVOA_N

ClientSampleId :

VN1013WBSD02

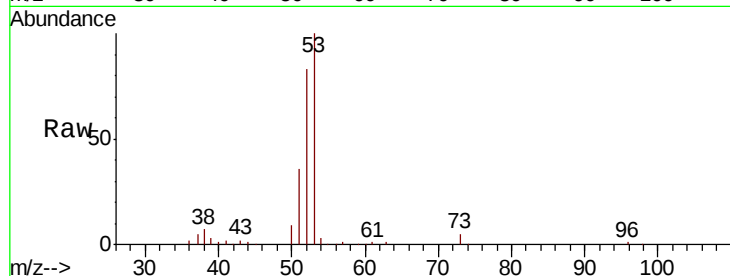
Tot Ion: 53 Resp: 231956

Ion Ratio Lower Upper

53 100

52 83.6 66.2 99.2

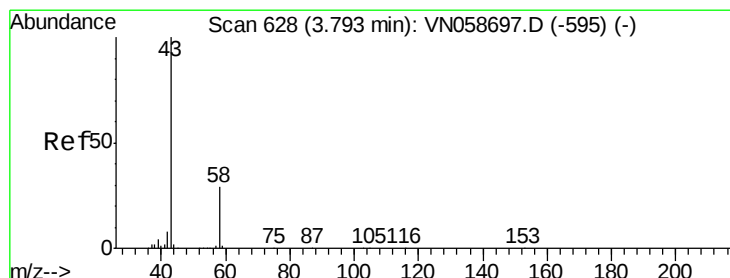
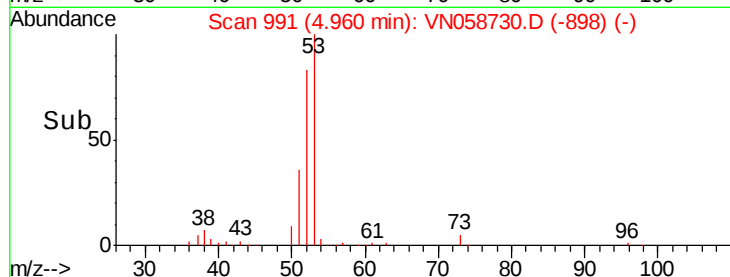
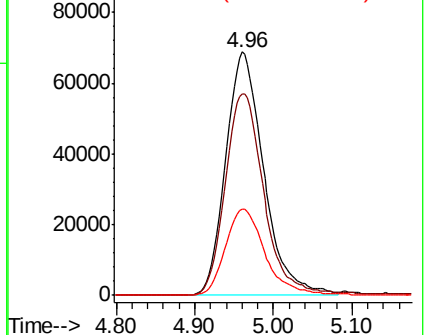
51 36.8 29.4 44.2



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 91.826 ug/l

RT: 3.80 min Scan# 629

Delta R.T. 0.00 min

Lab File: VN058730.D

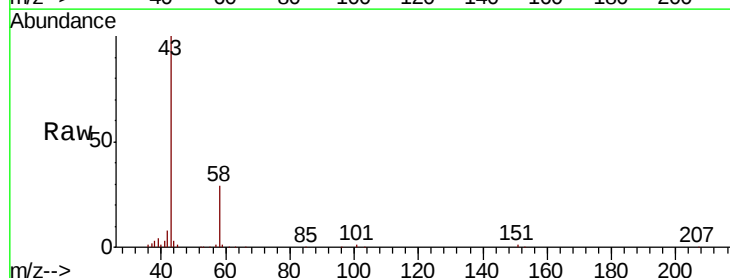
Acq: 12 Oct 2019 2:39

Tgt Ion: 43 Resp: 209744

Ion Ratio Lower Upper

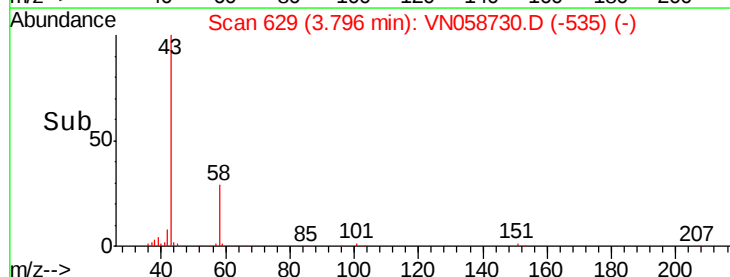
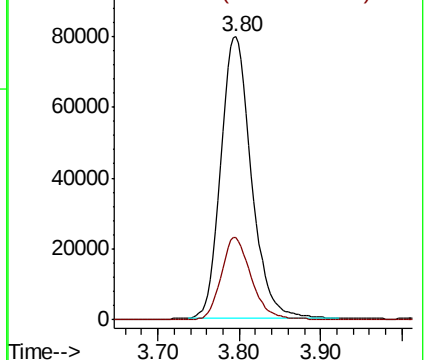
43 100

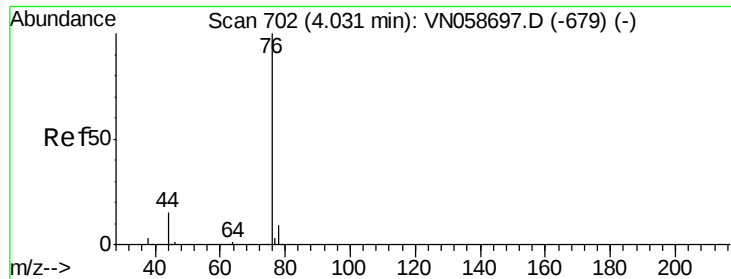
58 29.1 23.3 34.9



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

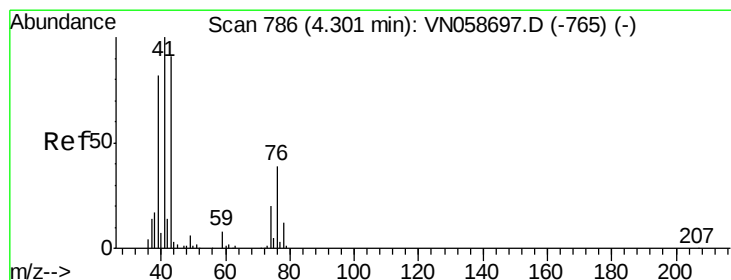
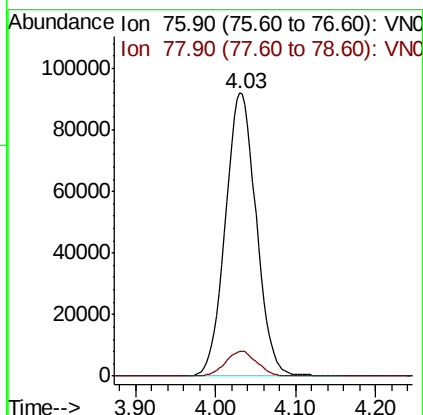
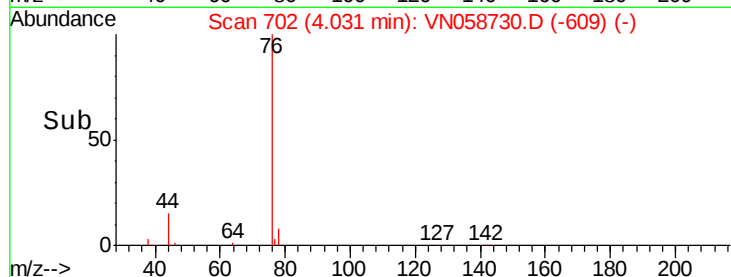
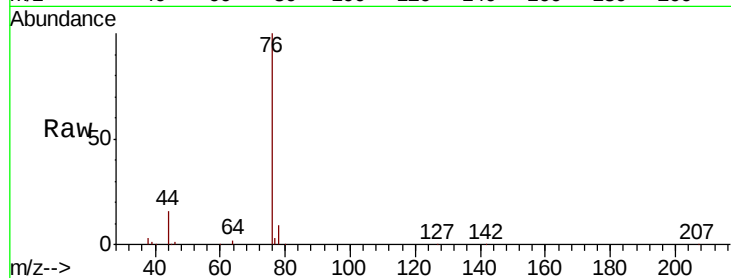




#17
Carbon Disulfide
Concen: 20.023 ug/l
RT: 4.03 min Scan# 702
Delta R.T. 0.00 min
Lab File: VN058730.D
Acq: 12 Oct 2019 2:39

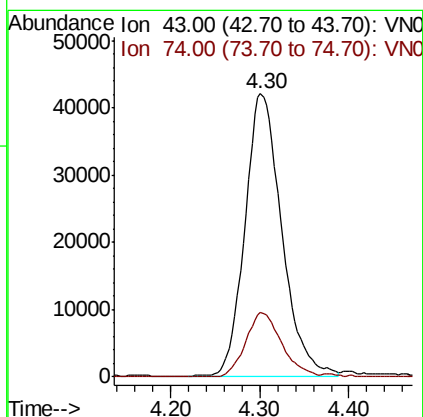
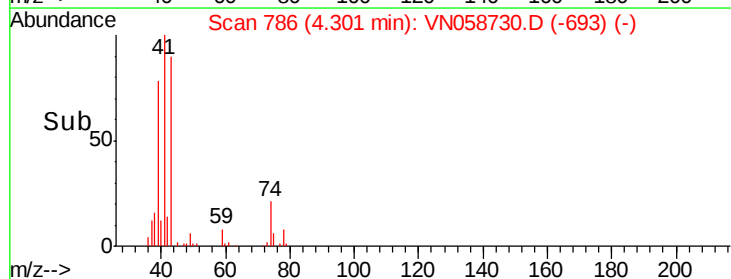
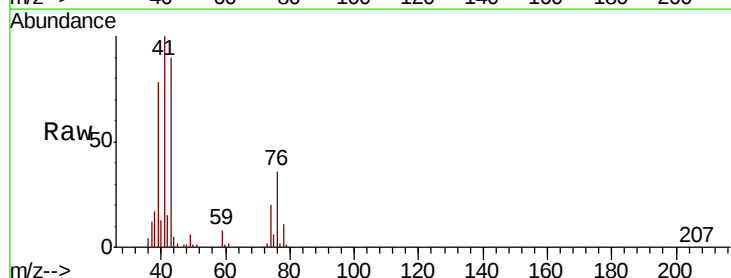
Instrument :
MSVOA_N
ClientSampleId :
VN1013WBSD02

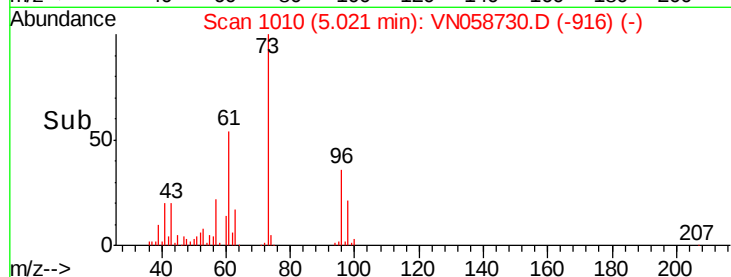
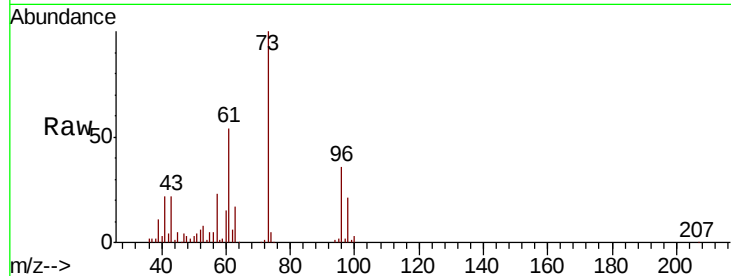
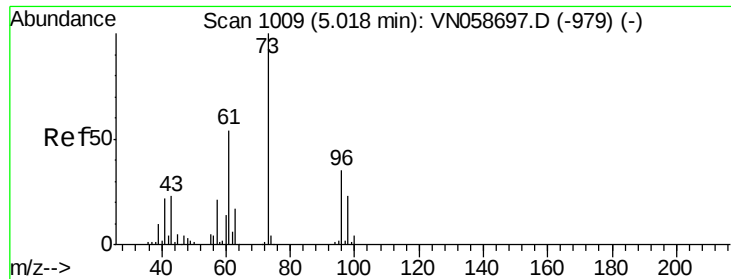
Tot Ion: 76 Resp: 242241
Ion Ratio Lower Upper
76 100
78 8.8 7.1 10.7



#18
Methyl Acetate
Concen: 21.050 ug/l
RT: 4.30 min Scan# 786
Delta R.T. 0.00 min
Lab File: VN058730.D
Acq: 12 Oct 2019 2:39

Tgt Ion: 43 Resp: 121964
Ion Ratio Lower Upper
43 100
74 22.1 17.2 25.8





#19

Methyl tert-butyl Ether

Concen: 20.860 ug/l

RT: 5.02 min Scan# 1010

Delta R.T. 0.00 min

Lab File: VN058730.D

Acq: 12 Oct 2019 2:39

Instrument :

MSVOA_N

ClientSampleId :

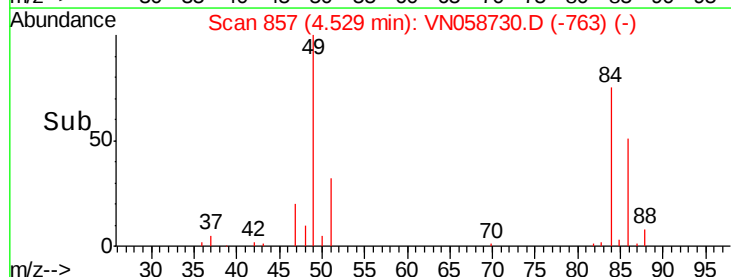
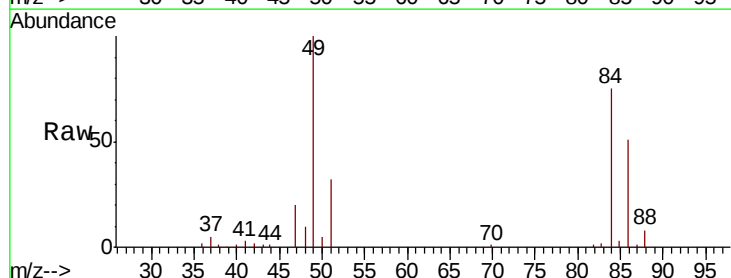
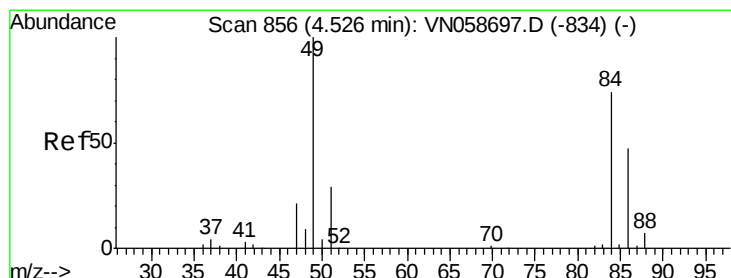
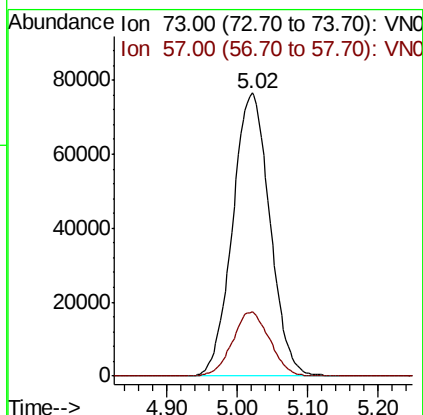
VN1013WBSD02

Tot Ion: 73 Resp: 281913

Ion Ratio Lower Upper

73 100

57 22.7 17.0 25.6



#20

Methylene Chloride

Concen: 19.772 ug/l

RT: 4.53 min Scan# 857

Delta R.T. 0.00 min

Lab File: VN058730.D

Acq: 12 Oct 2019 2:39

Tgt Ion: 84 Resp: 94385

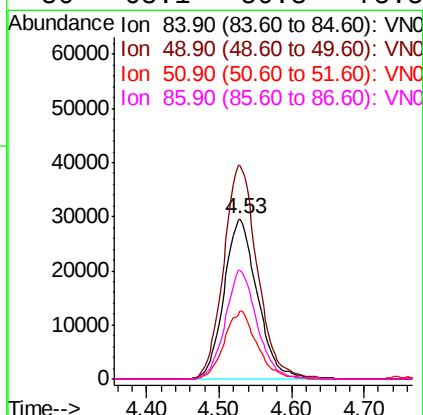
Ion Ratio Lower Upper

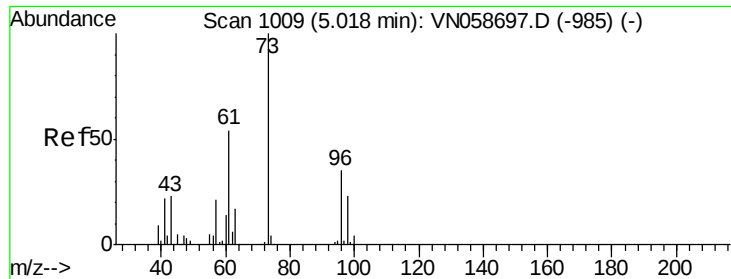
84 100

49 133.3 107.6 161.4

51 42.3 31.4 47.0

86 68.1 50.3 75.5

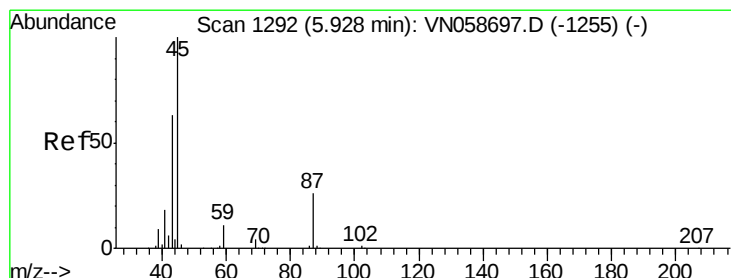
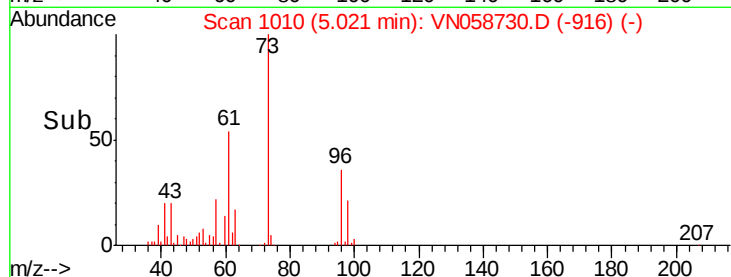
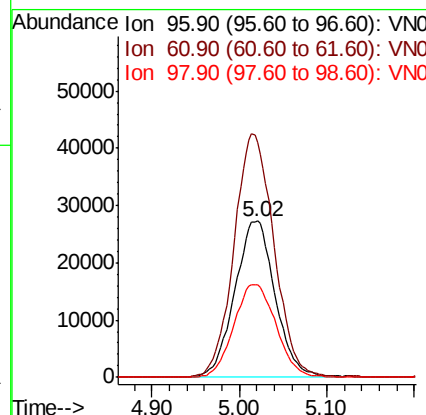
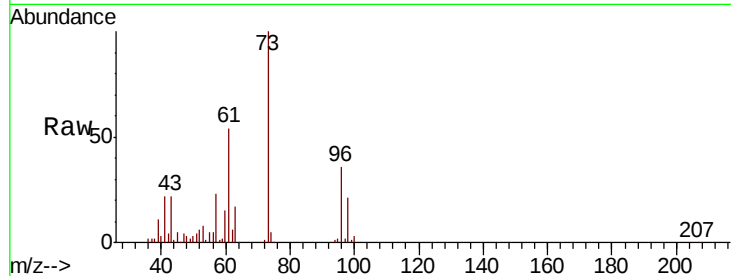




#21
trans-1,2-Dichloroethene
Concen: 20.658 ug/l
RT: 5.02 min Scan# 1010
Delta R.T. 0.00 min
Lab File: VN058730.D
Acq: 12 Oct 2019 2:39

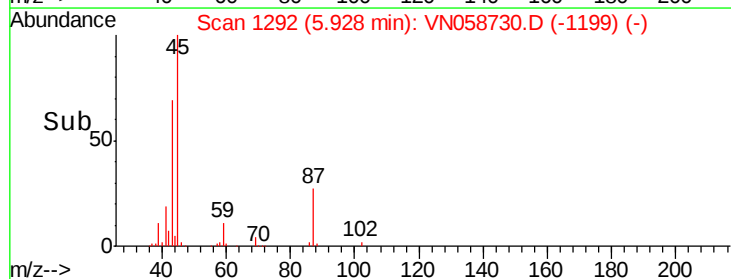
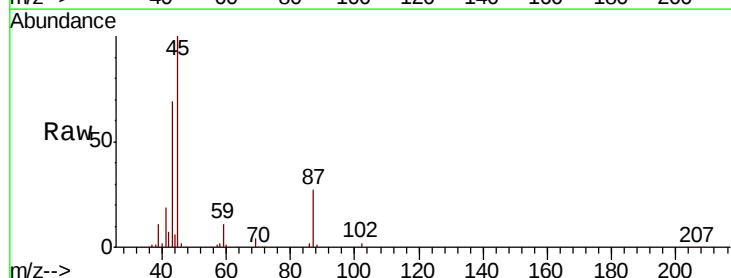
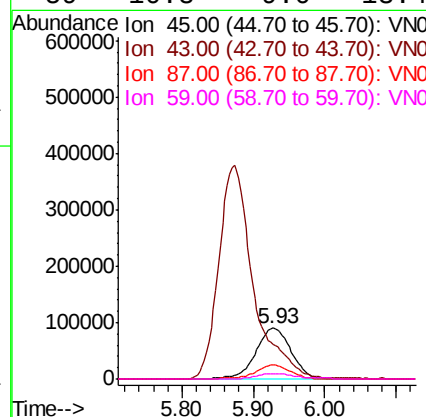
Instrument :
MSVOA_N
ClientSampleId :
VN1013WBSD02

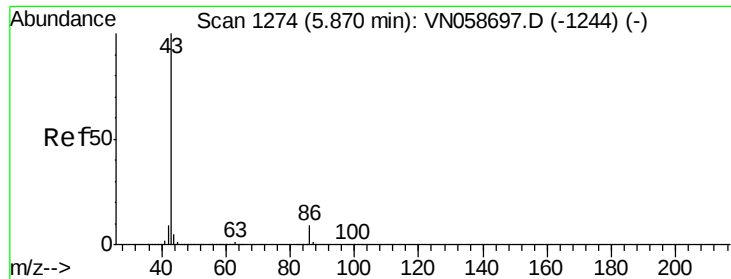
Tot Ion: 96 Resp: 87457
Ion Ratio Lower Upper
96 100
61 150.0 123.6 185.4
98 59.4 52.1 78.1



#22
Diisopropyl ether
Concen: 20.898 ug/l
RT: 5.93 min Scan# 1292
Delta R.T. 0.00 min
Lab File: VN058730.D
Acq: 12 Oct 2019 2:39

Tgt Ion: 45 Resp: 310340
Ion Ratio Lower Upper
45 100
43 67.5 50.6 75.8
87 27.2 21.1 31.7
59 10.8 9.0 13.4





#23

Vinyl Acetate

Concen: 106.723 ug/l

RT: 5.87 min Scan# 1275

Delta R.T. 0.00 min

Lab File: VN058730.D

Acq: 12 Oct 2019 2:39

Instrument :

MSVOA_N

ClientSampleId :

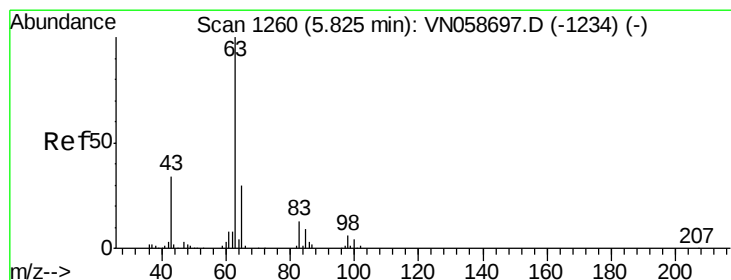
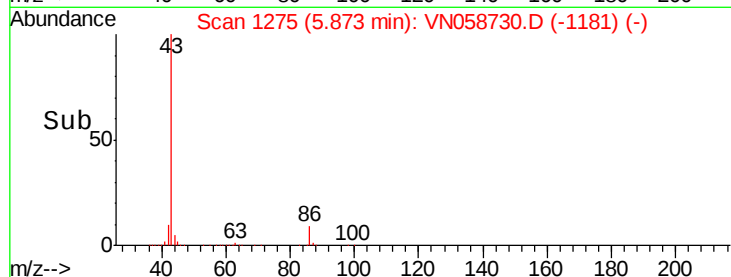
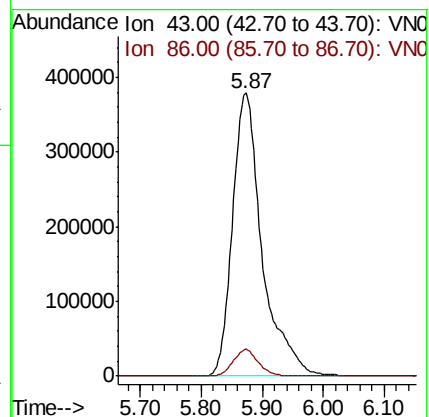
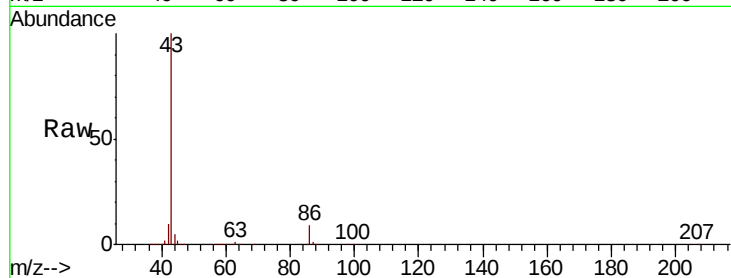
VN1013WBSD02

Tot Ion: 43 Resp: 1278859

Ion Ratio Lower Upper

43 100

86 9.5 7.4 11.0



#24

1,1-Dichloroethane

Concen: 21.175 ug/l

RT: 5.82 min Scan# 1260

Delta R.T. 0.00 min

Lab File: VN058730.D

Acq: 12 Oct 2019 2:39

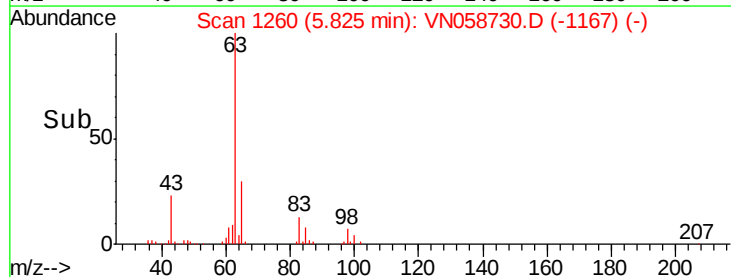
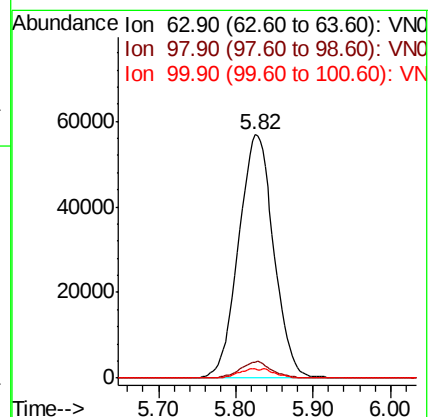
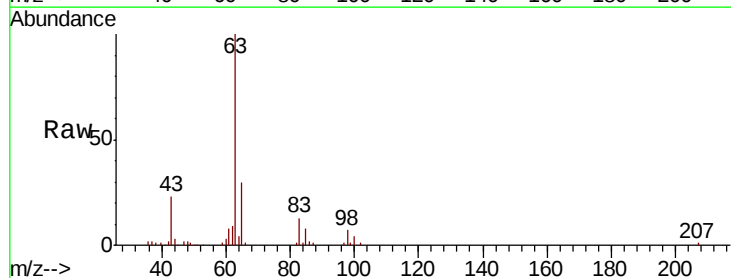
Tgt Ion: 63 Resp: 179094

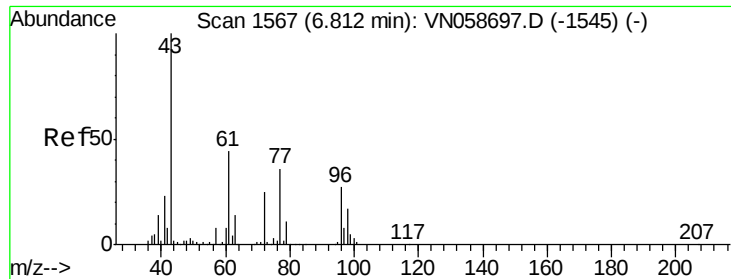
Ion Ratio Lower Upper

63 100

98 6.7 2.9 8.6

100 3.8 1.8 5.5





#25

2-Butanone

Concen: 97.365 ug/l

RT: 6.82 min Scan# 1568

Delta R.T. 0.00 min

Lab File: VN058730.D

Acq: 12 Oct 2019 2:39

Instrument :

MSVOA_N

ClientSampleId :

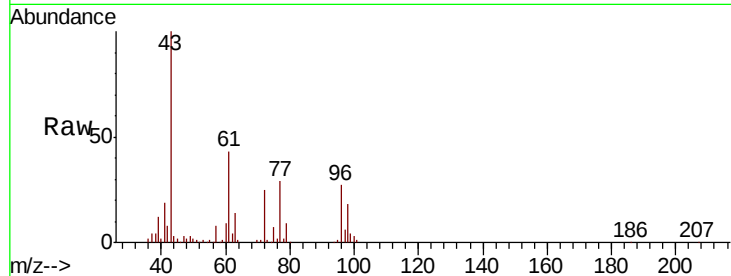
VN1013WBSD02

Tot Ion: 43 Resp: 321447

Ion Ratio Lower Upper

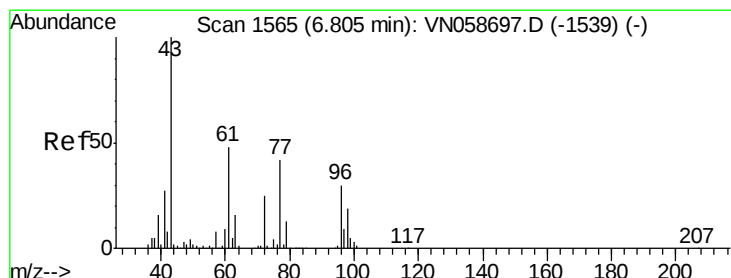
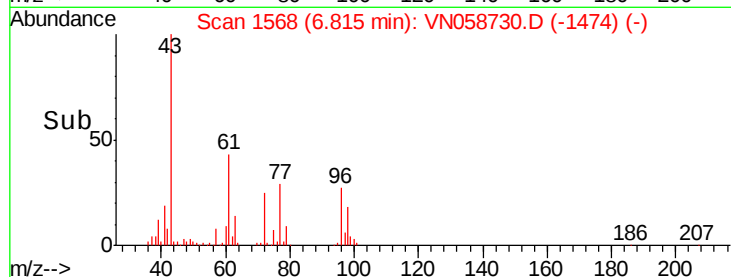
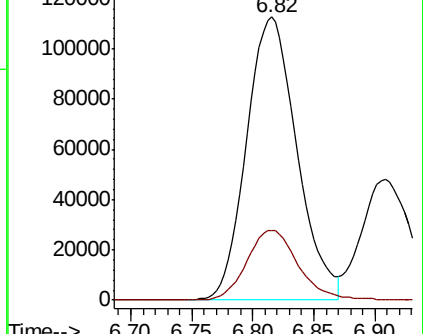
43 100

72 24.8 20.2 30.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#26

2,2-Dichloropropane

Concen: 15.288 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. 0.00 min

Lab File: VN058730.D

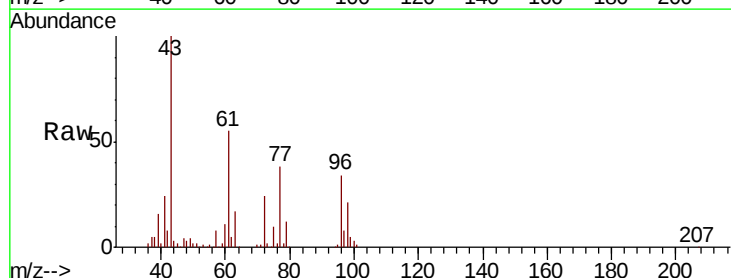
Acq: 12 Oct 2019 2:39

Tgt Ion: 77 Resp: 118037

Ion Ratio Lower Upper

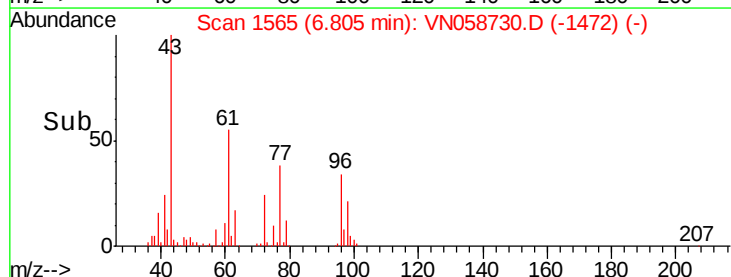
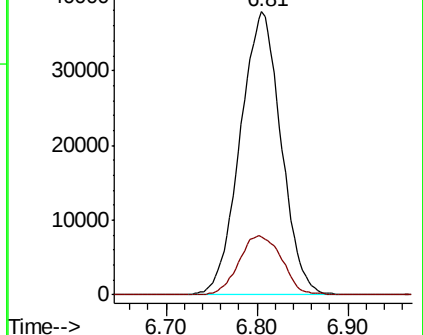
77 100

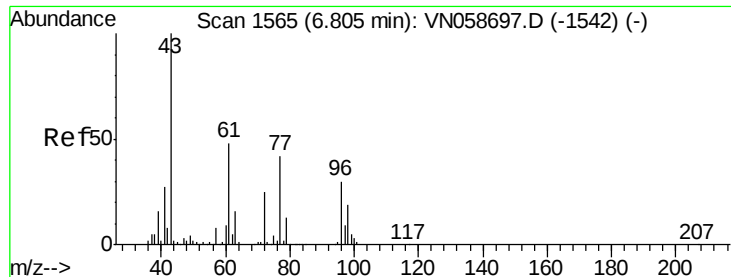
97 21.9 10.7 31.9



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: 19.867 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. 0.00 min

Lab File: VN058730.D

Acq: 12 Oct 2019 2:39

Instrument :

MSVOA_N

ClientSampleId :

VN1013WBSD02

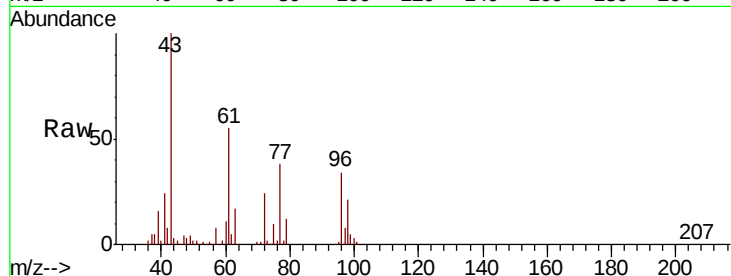
Tot Ion: 96 Resp: 98081

Ion Ratio Lower Upper

96 100

61 158.4 0.0 324.8

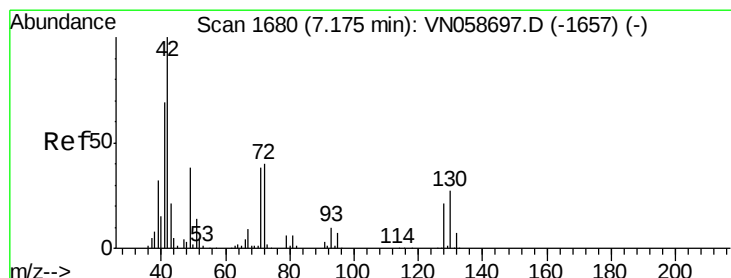
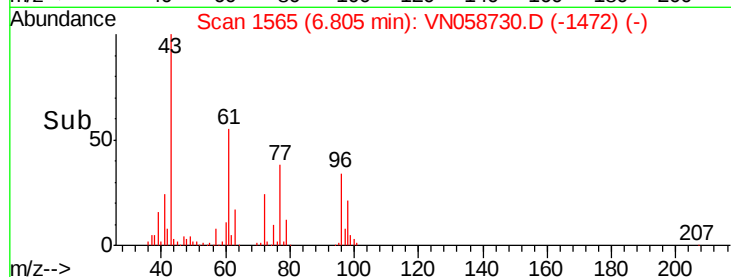
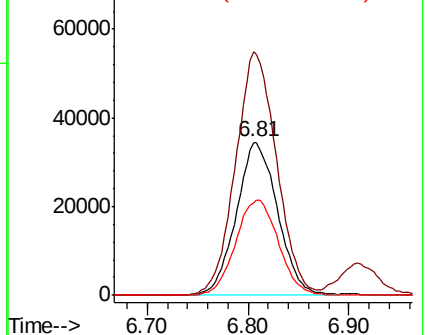
98 64.4 0.0 129.2



Abundance Ion 95.90 (95.60 to 96.60): VN058730.D (-1472) (-)

Ion 60.90 (60.60 to 61.60): VN058730.D (-1472) (-)

Ion 97.90 (97.60 to 98.60): VN058730.D (-1472) (-)



#28

Bromochloromethane

Concen: 21.268 ug/l

RT: 7.18 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VN058730.D

Acq: 12 Oct 2019 2:39

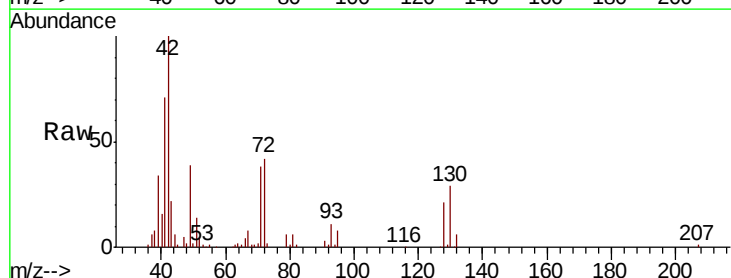
Tgt Ion: 49 Resp: 62581

Ion Ratio Lower Upper

49 100

129 0.5 0.0 3.6

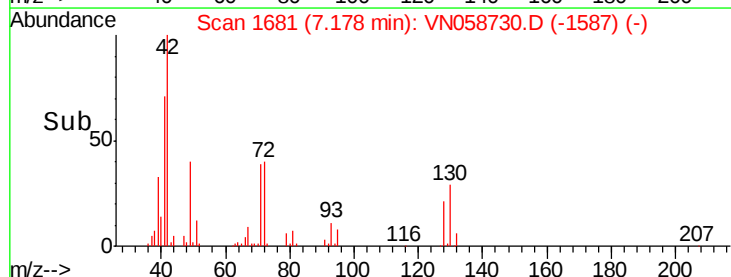
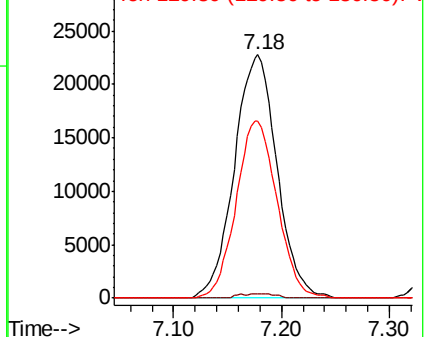
130 69.9 55.0 82.4

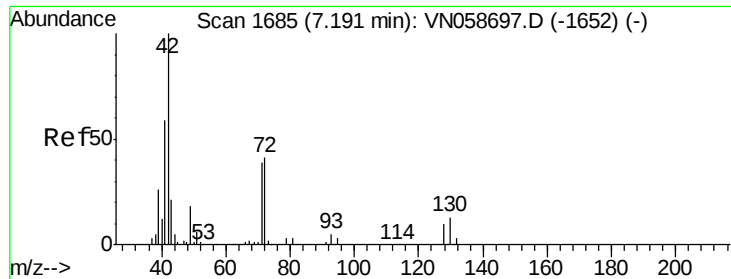


Abundance Ion 48.90 (48.60 to 49.60): VN058730.D (-1587) (-)

Ion 128.80 (128.50 to 129.50): VN058730.D (-1587) (-)

Ion 129.80 (129.50 to 130.50): VN058730.D (-1587) (-)

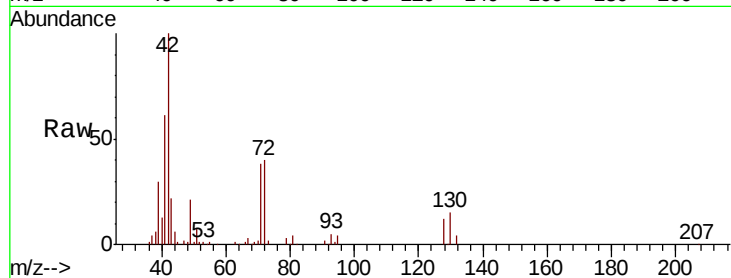




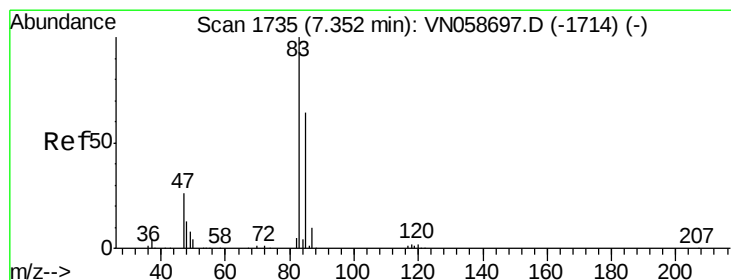
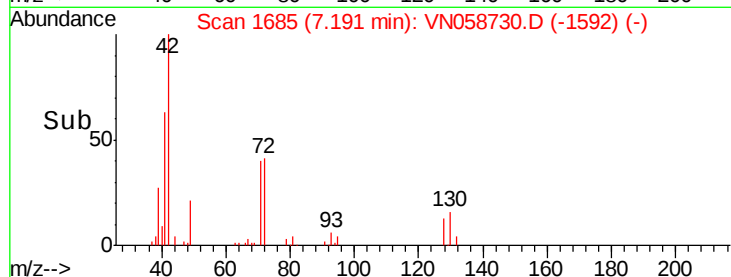
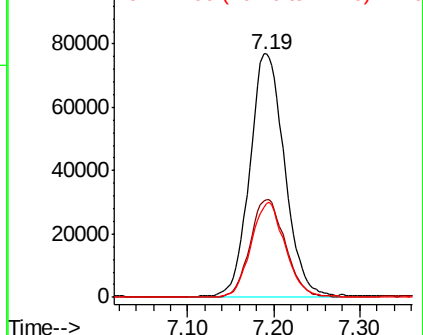
#29
Tetrahydrofuran
Concen: 102.083 ug/l
RT: 7.19 min Scan# 1685
Delta R.T. 0.00 min
Lab File: VN058730.D
Acq: 12 Oct 2019 2:39

Instrument :
MSVOA_N
ClientSampleId :
VN1013WBSD02

Tot Ion: 42 Resp: 217795
Ion Ratio Lower Upper
42 100
72 40.6 32.8 49.2
71 38.3 31.1 46.7

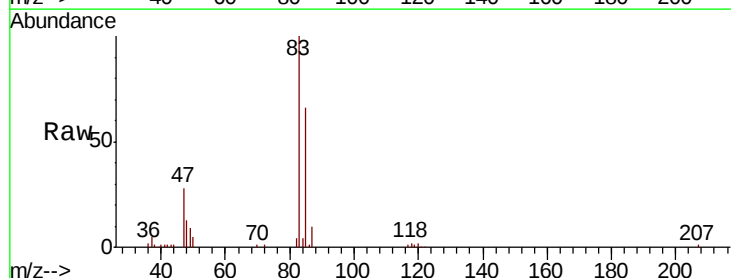


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

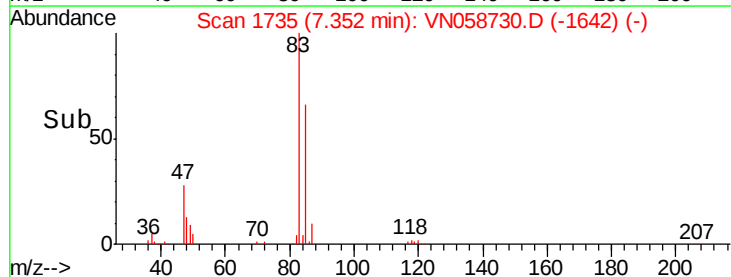
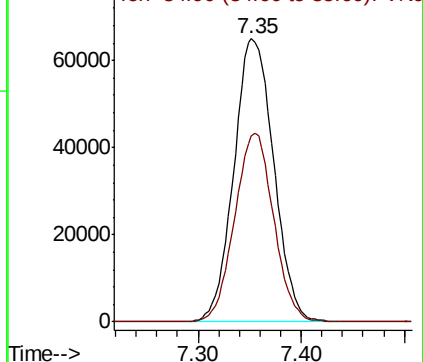


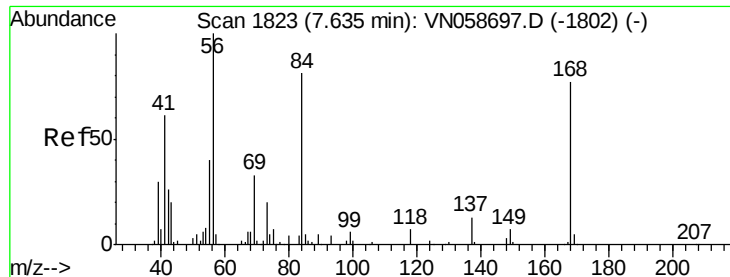
#30
Chloroform
Concen: 20.578 ug/l
RT: 7.35 min Scan# 1735
Delta R.T. 0.00 min
Lab File: VN058730.D
Acq: 12 Oct 2019 2:39

Tgt Ion: 83 Resp: 174869
Ion Ratio Lower Upper
83 100
85 65.9 51.0 76.6



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0

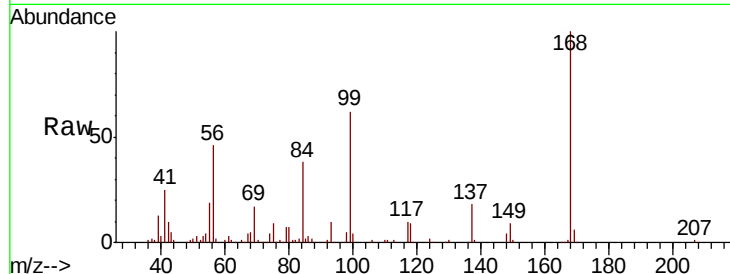




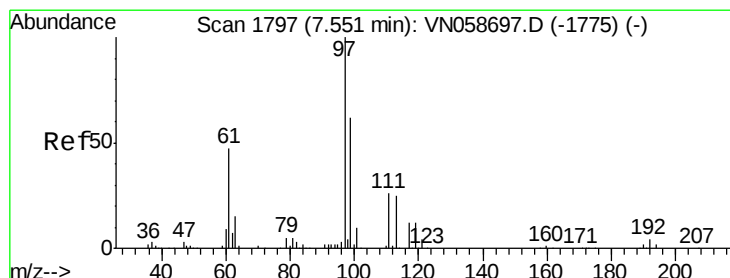
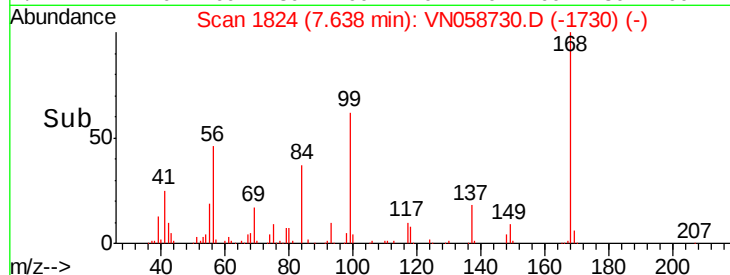
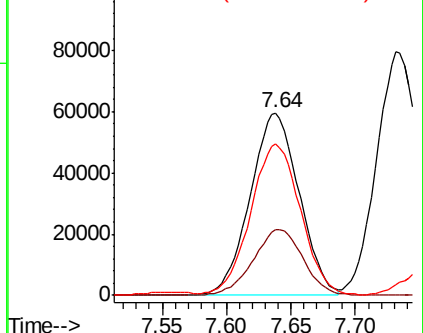
#31
Cyclohexane
Concen: 19.479 ug/l
RT: 7.64 min Scan# 1824
Delta R.T. 0.00 min
Lab File: VN058730.D
Acq: 12 Oct 2019 2:39

Instrument :
MSVOA_N
ClientSampleId :
VN1013WBSD02

Tot Ion: 56 Resp: 157640
Ion Ratio Lower Upper
56 100
69 36.2 26.2 39.4
84 81.4 64.9 97.3

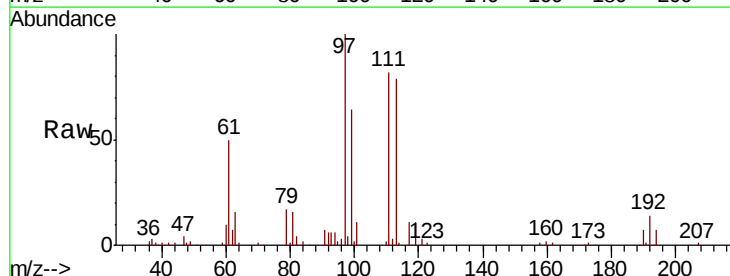


Abundance Ion 56.00 (55.70 to 56.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 84.00 (83.70 to 84.70): VNO

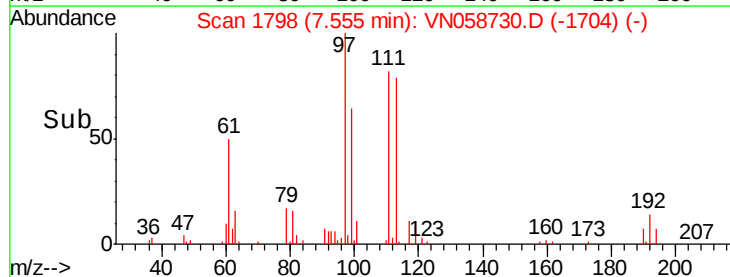
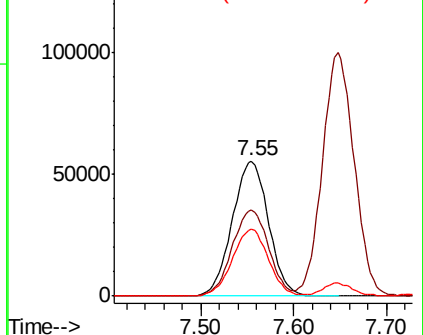


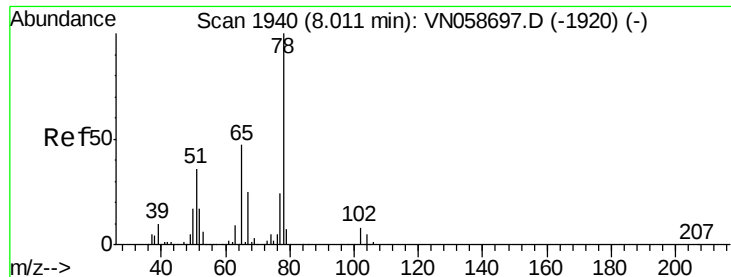
#32
1,1,1-Trichloroethane
Concen: 20.741 ug/l
RT: 7.55 min Scan# 1798
Delta R.T. 0.00 min
Lab File: VN058730.D
Acq: 12 Oct 2019 2:39

Tgt Ion: 97 Resp: 150309
Ion Ratio Lower Upper
97 100
99 63.8 50.8 76.2
61 49.1 38.1 57.1



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





#33

1,2-Dichloroethane-d4

Concen: 52.740 ug/l

RT: 8.01 min Scan# 1940

Delta R.T. 0.00 min

Lab File: VN058730.D

Acq: 12 Oct 2019 2:39

Instrument :

MSVOA_N

ClientSampleId :

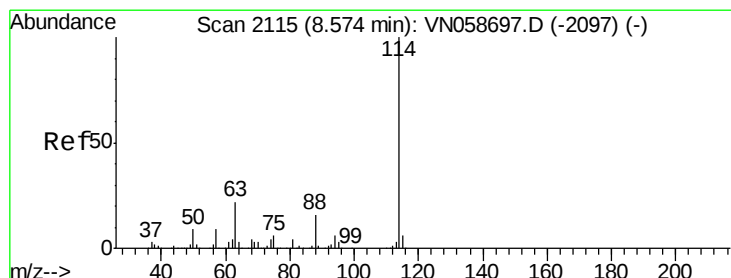
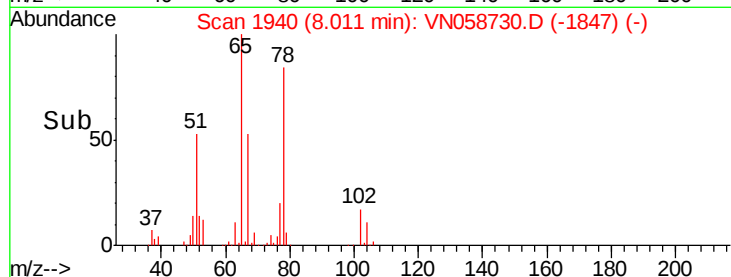
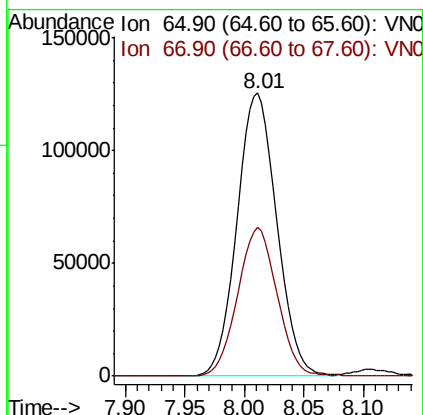
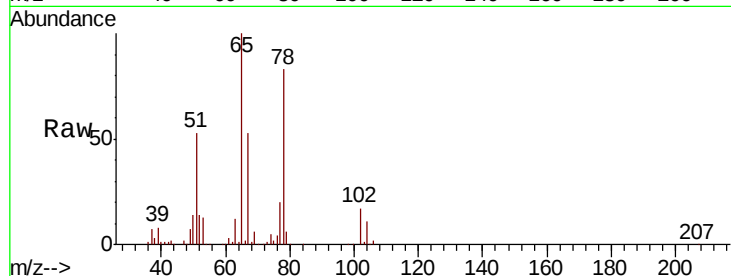
VN1013WBSD02

Tot Ion: 65 Resp: 290985

Ion Ratio Lower Upper

65 100

67 52.1 0.0 103.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2115

Delta R.T. 0.00 min

Lab File: VN058730.D

Acq: 12 Oct 2019 2:39

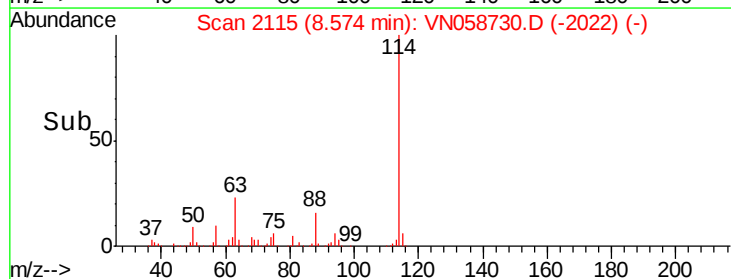
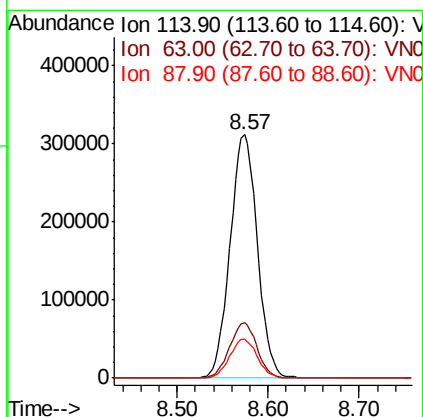
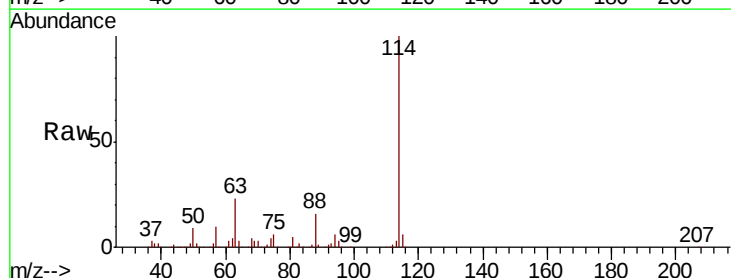
Tgt Ion: 114 Resp: 650611

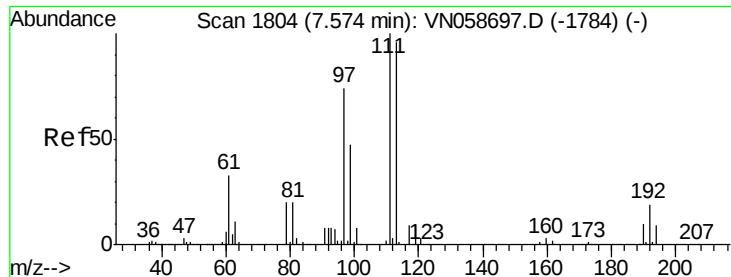
Ion Ratio Lower Upper

114 100

63 22.6 0.0 43.8

88 15.8 0.0 32.0

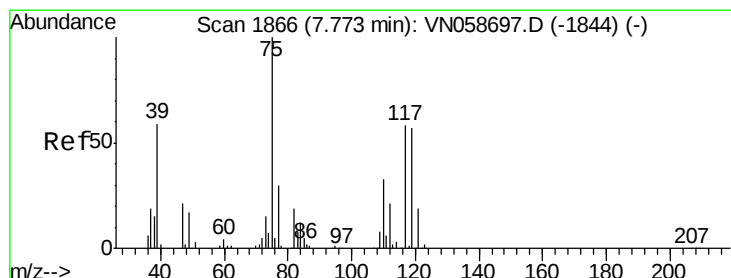
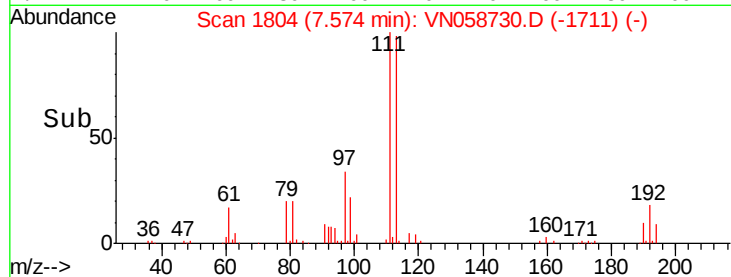
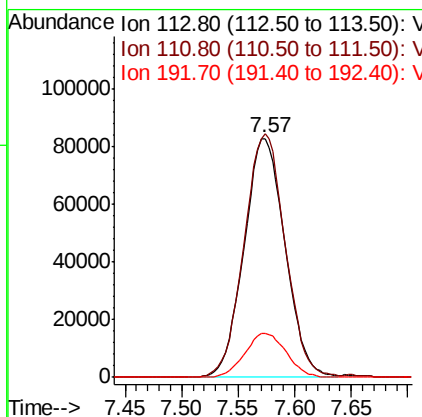
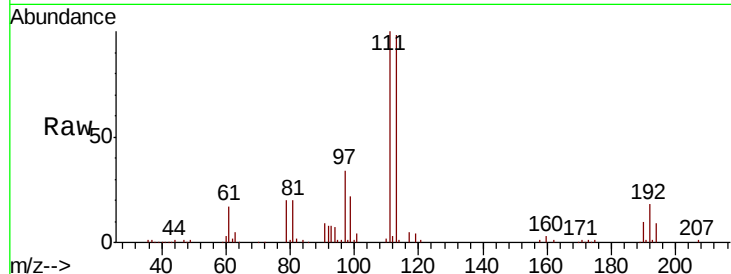




#35
 Dibromofluoromethane
 Concen: 52.120 ug/l
 RT: 7.57 min Scan# 1804
 Delta R.T. 0.00 min
 Lab File: VN058730.D
 Acq: 12 Oct 2019 2:39

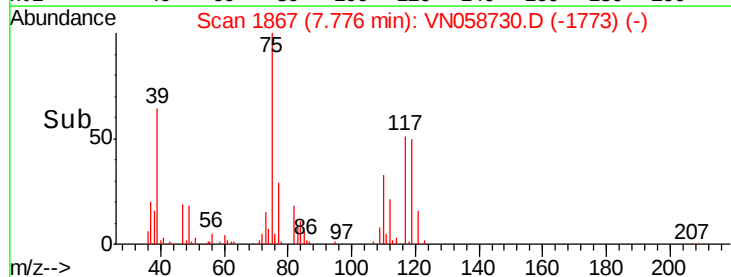
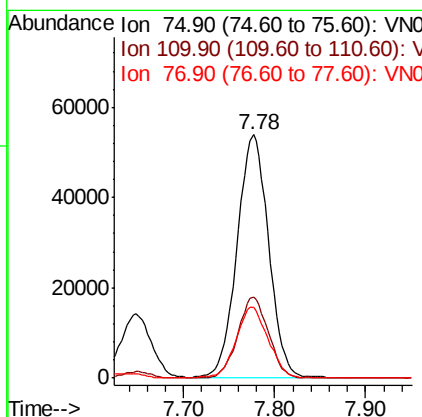
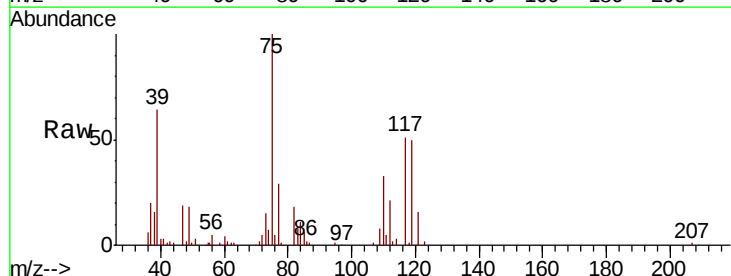
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1013WBSD02

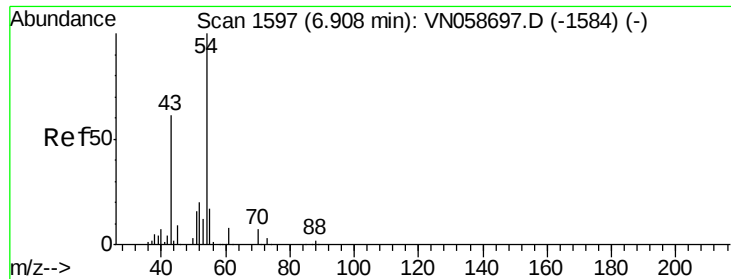
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.3	82.3	123.5
192	18.6	15.0	22.6



#36
 1,1-Dichloropropene
 Concen: 19.843 ug/l
 RT: 7.78 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN058730.D
 Acq: 12 Oct 2019 2:39

Tgt Ion	Ratio	Lower	Upper
75	100		
110	32.2	16.6	49.8
77	29.6	24.6	37.0

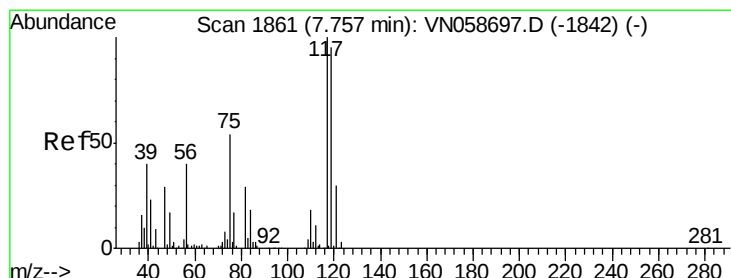
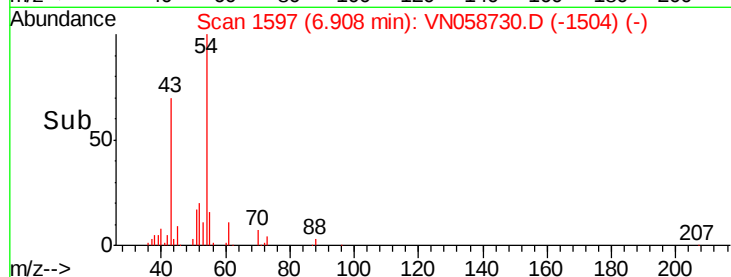
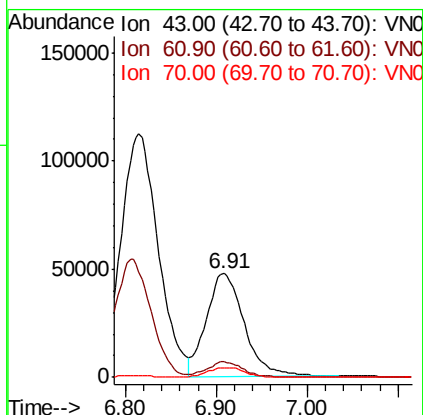
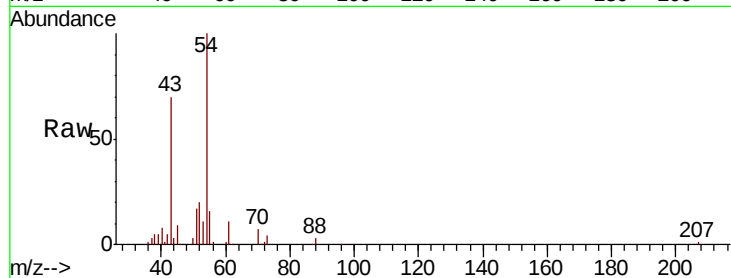




#37
Ethyl Acetate
Concen: 20.709 ug/l
RT: 6.91 min Scan# 1597
Delta R.T. 0.00 min
Lab File: VN058730.D
Acq: 12 Oct 2019 2:39

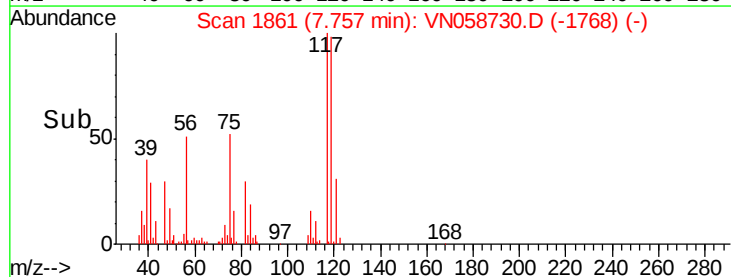
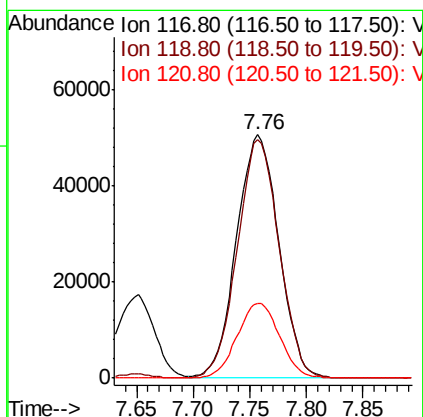
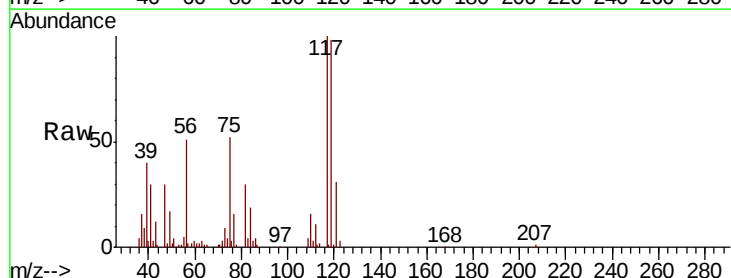
Instrument :
MSVOA_N
ClientSampled :
VN1013WBSD02

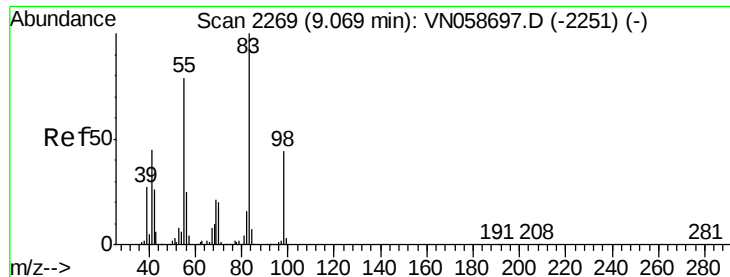
Tot Ion: 43 Resp: 137771
Ion Ratio Lower Upper
43 100
61 13.9 11.3 16.9
70 9.6 7.2 10.8



#38
Carbon Tetrachloride
Concen: 20.573 ug/l
RT: 7.76 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VN058730.D
Acq: 12 Oct 2019 2:39

Tgt Ion: 117 Resp: 131894
Ion Ratio Lower Upper
117 100
119 98.0 75.7 113.5
121 30.6 23.9 35.9

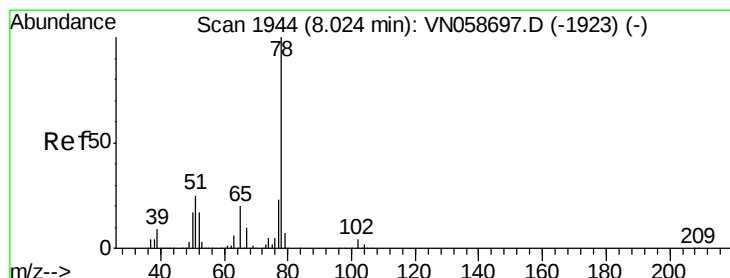
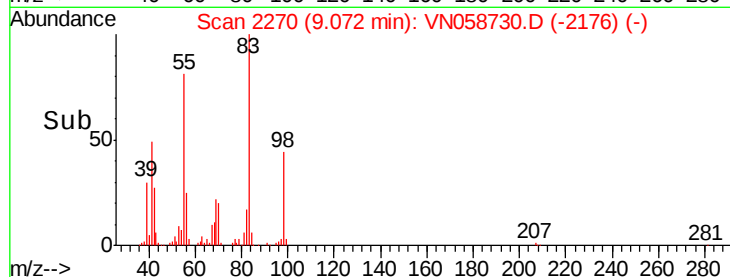
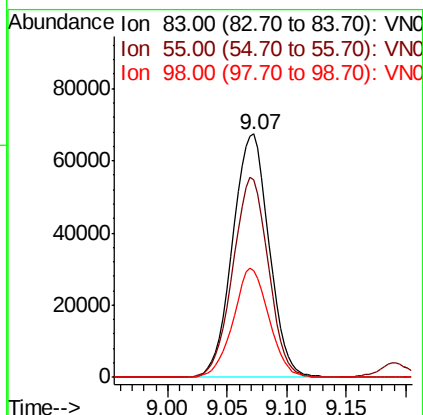
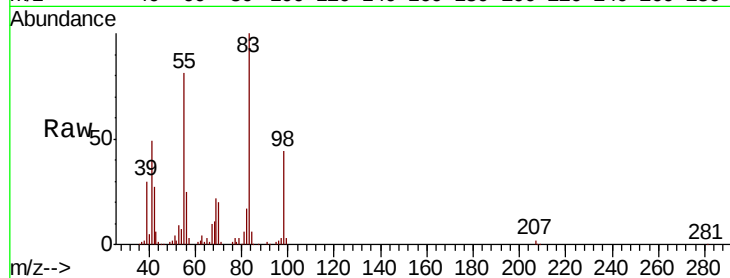




#39
Methvlcvclohexane
Concen: 18.738 ug/l
RT: 9.07 min Scan# 2270
Delta R.T. 0.00 min
Lab File: VN058730.D
Acq: 12 Oct 2019 2:39

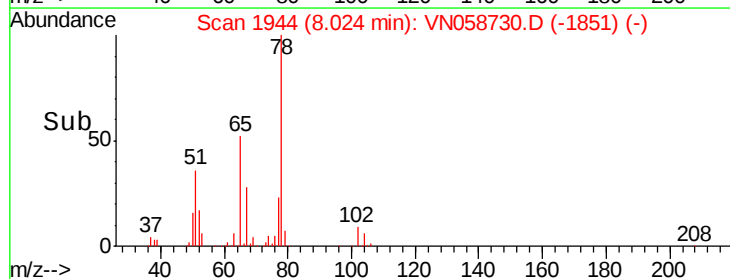
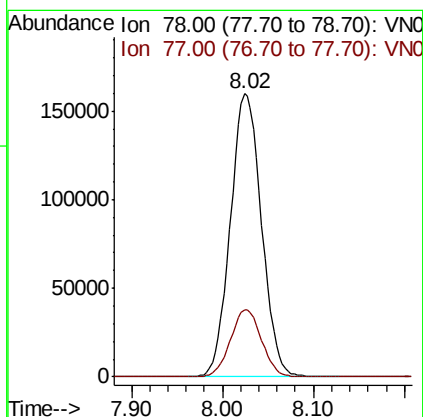
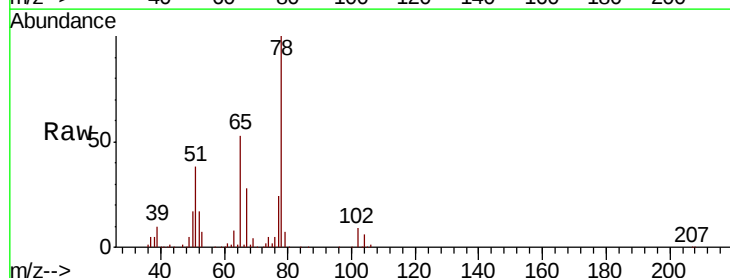
Instrument :
MSVOA_N
ClientSampleId :
VN1013WBSD02

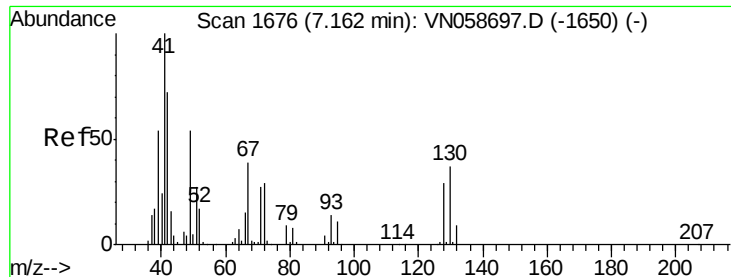
Tot Ion: 83 Resp: 143028
Ion Ratio Lower Upper
83 100
55 81.0 63.4 95.0
98 43.6 35.1 52.7



#40
Benzene
Concen: 20.117 ug/l
RT: 8.02 min Scan# 1944
Delta R.T. 0.00 min
Lab File: VN058730.D
Acq: 12 Oct 2019 2:39

Tgt Ion: 78 Resp: 380060
Ion Ratio Lower Upper
78 100
77 23.7 18.8 28.2

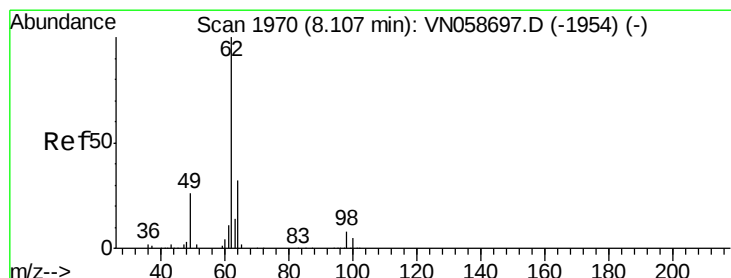
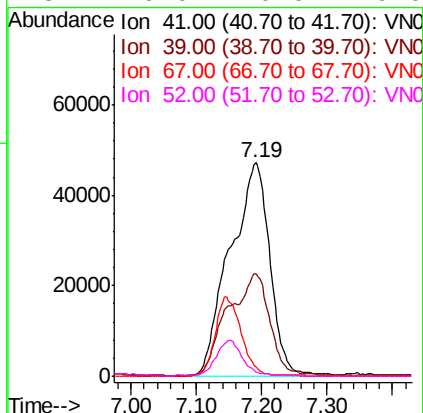
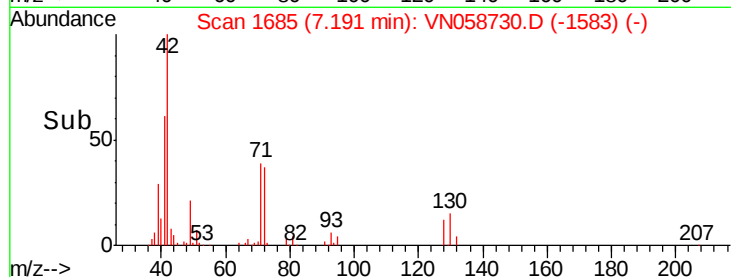
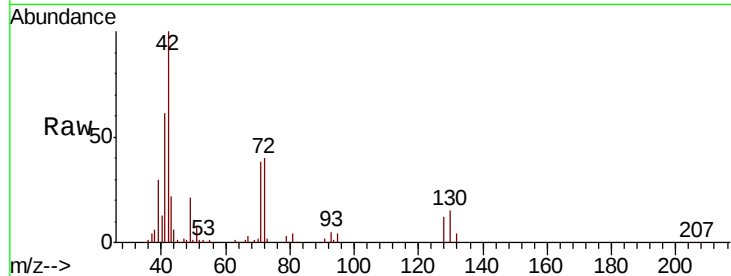




#41
Methacrylonitrile
Concen: 64.364 ug/l
RT: 7.19 min Scan# 1685
Delta R.T. 0.03 min
Lab File: VN058730.D
Acq: 12 Oct 2019 2:39

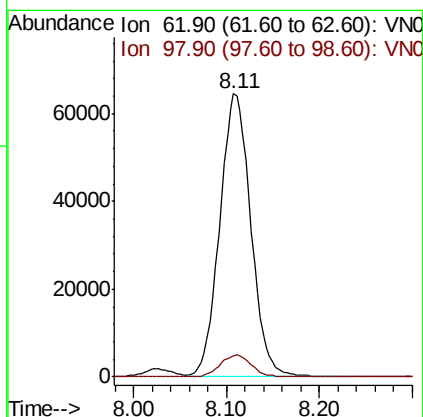
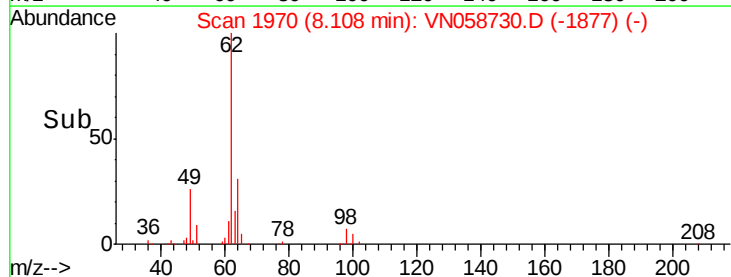
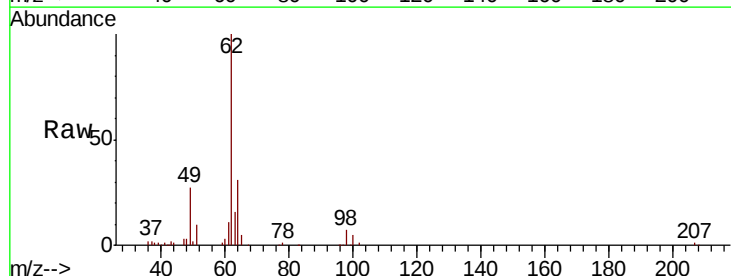
Instrument :
MSVOA_N
ClientSampleId :
VN1013WBSD02

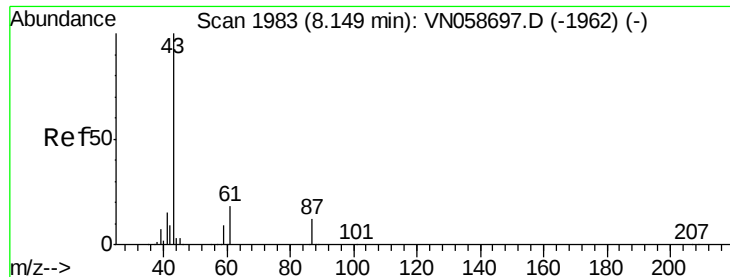
Tot Ion: 41 Resp: 200441
Ion Ratio Lower Upper
41 100
39 51.1 115.4 173.2#
67 0.0 0.0 0.0
52 0.0 0.0 0.0



#42
1,2-Dichloroethane
Concen: 20.691 ug/l
RT: 8.11 min Scan# 1970
Delta R.T. 0.00 min
Lab File: VN058730.D
Acq: 12 Oct 2019 2:39

Tgt Ion: 62 Resp: 150178
Ion Ratio Lower Upper
62 100
98 7.7 0.0 15.8





#43

Isopropyl Acetate

Concen: 19.504 ug/l

RT: 8.15 min Scan# 1983

Delta R.T. 0.00 min

Lab File: VN058730.D

Acq: 12 Oct 2019 2:39

Instrument :

MSVOA_N

ClientSampleId :

VN1013WBSD02

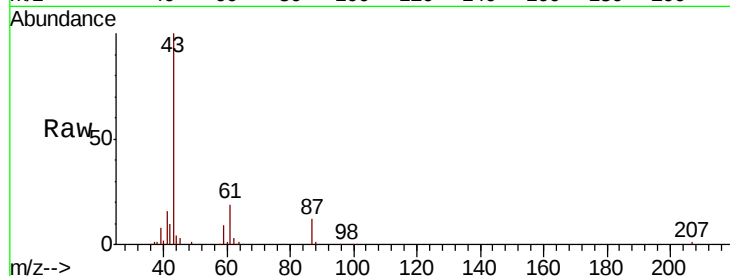
Tot Ion: 43 Resp: 221041

Ion Ratio Lower Upper

43 100

61 26.2 20.3 30.5

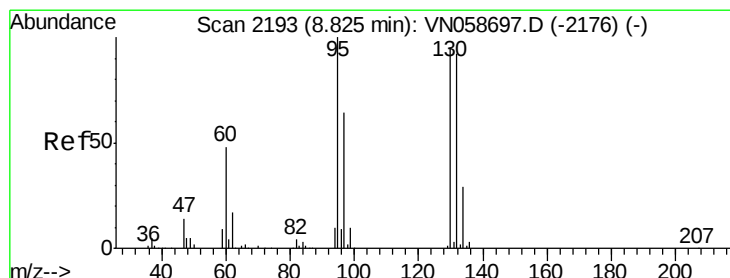
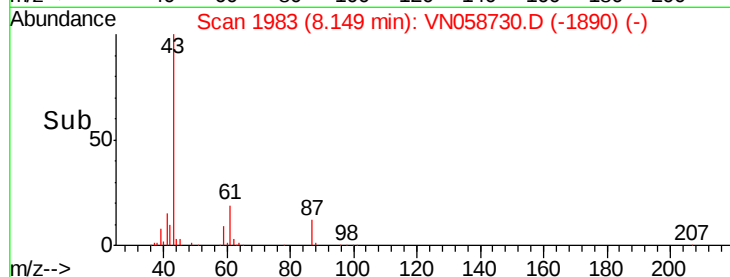
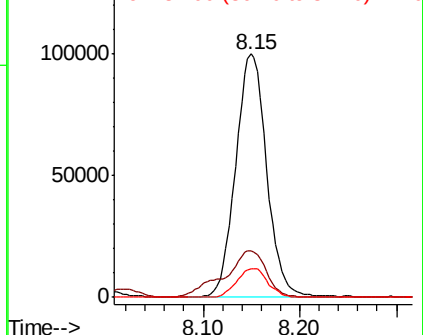
87 11.9 9.8 14.6



Abundance Ion 43.00 (42.70 to 43.70): VN058730.D (-2100) (-)

Ion 61.00 (60.70 to 61.70): VN058730.D (-2100) (-)

Ion 87.00 (86.70 to 87.70): VN058730.D (-2100) (-)



#44

Trichloroethene

Concen: 20.277 ug/l

RT: 8.82 min Scan# 2193

Delta R.T. 0.00 min

Lab File: VN058730.D

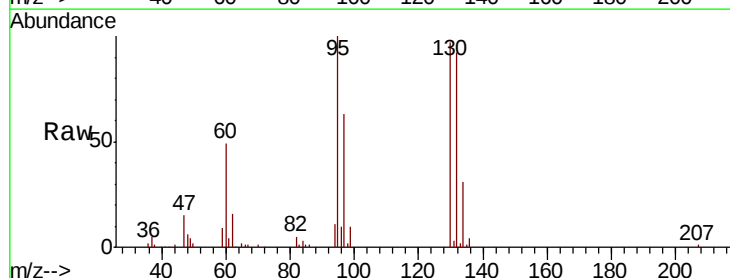
Acq: 12 Oct 2019 2:39

Tgt Ion: 130 Resp: 95133

Ion Ratio Lower Upper

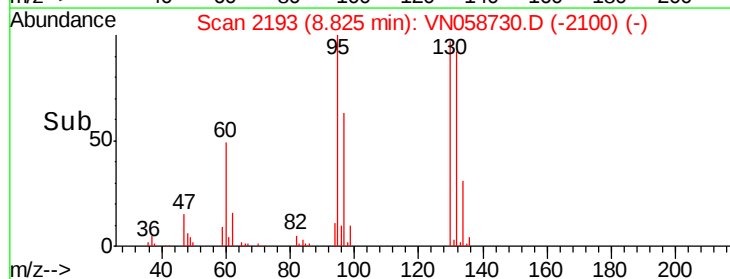
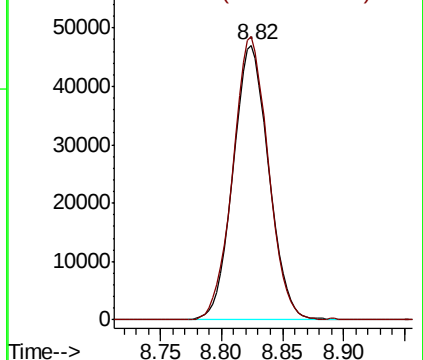
130 100

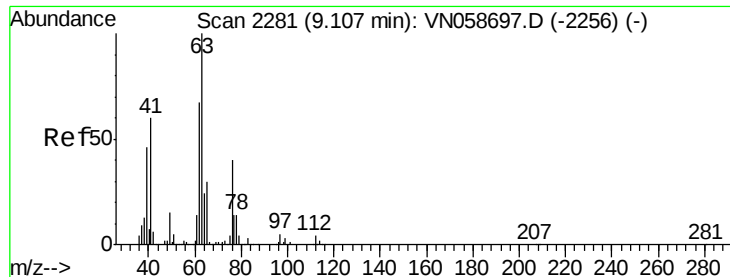
95 103.0 0.0 211.2



Abundance Ion 129.80 (129.50 to 130.50): VN058730.D (-2100) (-)

Ion 94.90 (94.60 to 95.60): VN058730.D (-2100) (-)

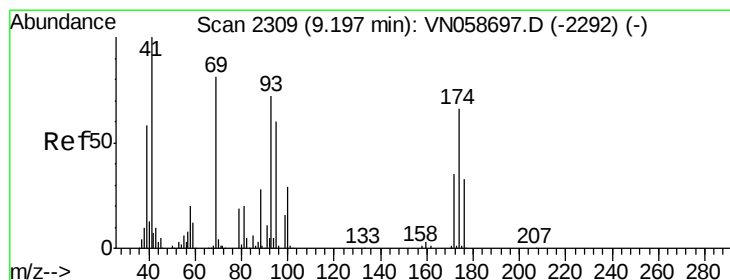
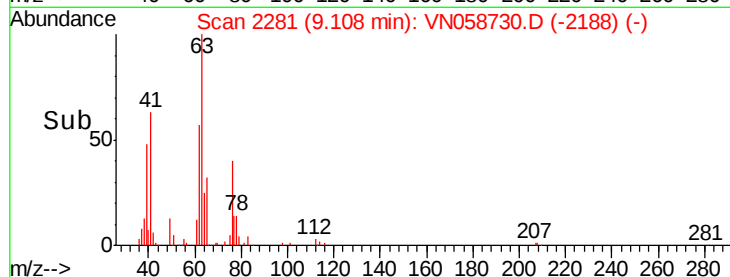
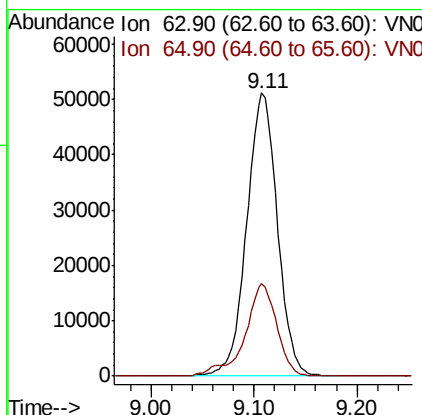
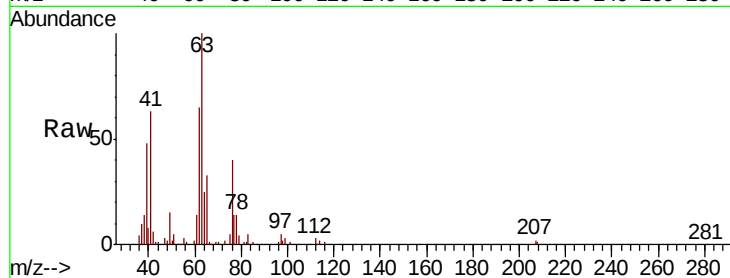




#45
 1,2-Dichloropropane
 Concen: 20.899 ug/l
 RT: 9.11 min Scan# 2281
 Delta R.T. 0.00 min
 Lab File: VN058730.D
 Acq: 12 Oct 2019 2:39

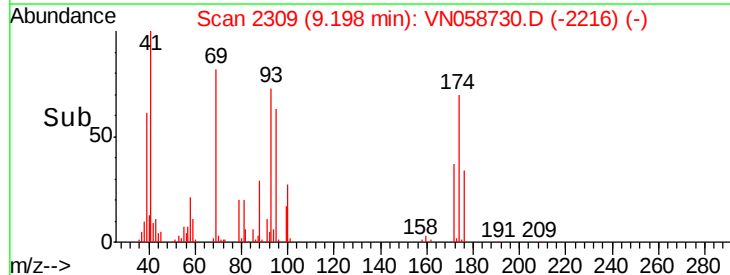
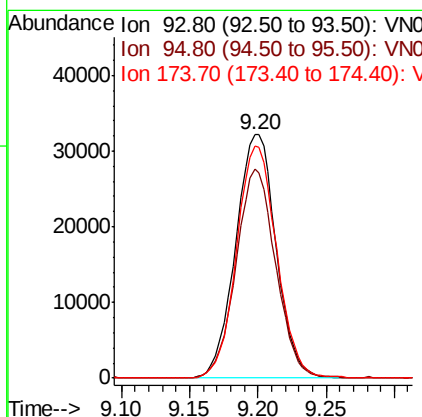
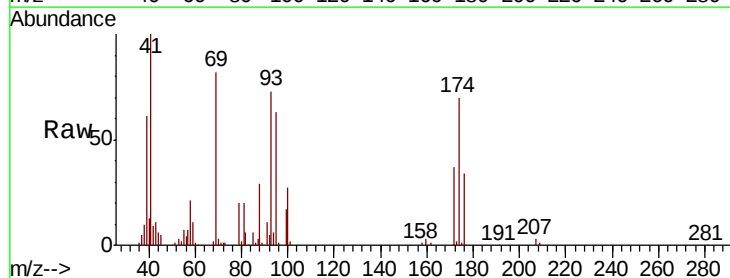
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1013WBSD02

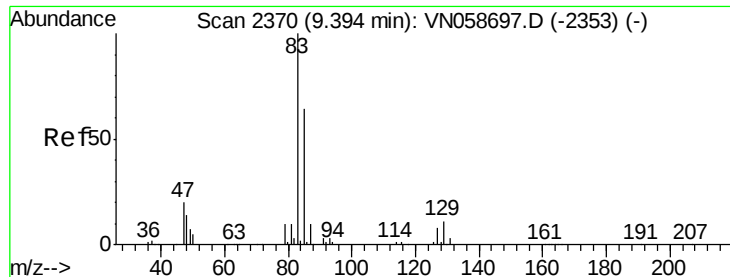
Tot Ion: 63 Resp: 105696
 Ion Ratio Lower Upper
 63 100
 65 32.7 24.1 36.1



#46
 Dibromomethane
 Concen: 20.699 ug/l
 RT: 9.20 min Scan# 2309
 Delta R.T. 0.00 min
 Lab File: VN058730.D
 Acq: 12 Oct 2019 2:39

Tgt Ion: 93 Resp: 66372
 Ion Ratio Lower Upper
 93 100
 95 84.1 66.6 100.0
 174 94.1 75.2 112.8

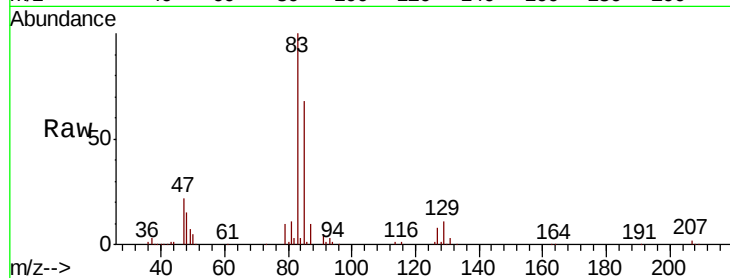




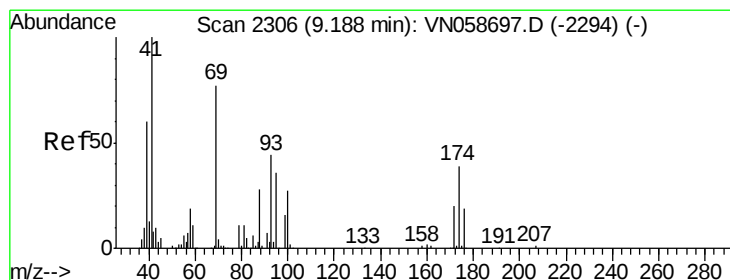
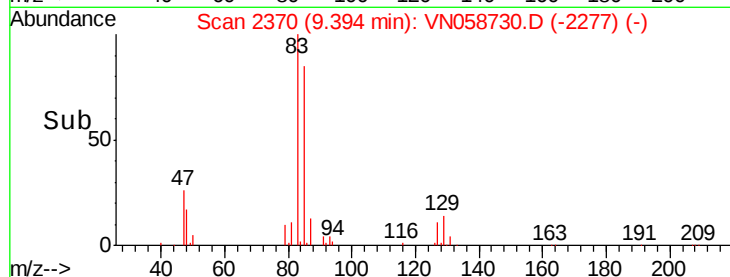
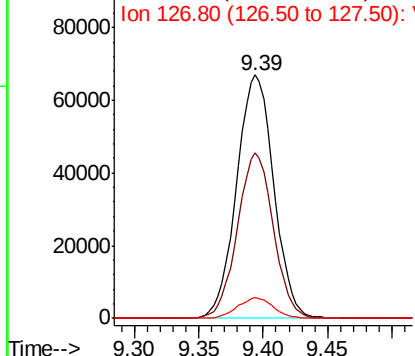
#47
Bromodichloromethane
Concen: 20.562 ug/l
RT: 9.39 min Scan# 2370
Delta R.T. 0.00 min
Lab File: VN058730.D
Acq: 12 Oct 2019 2:39

Instrument :
MSVOA_N
ClientSampleId :
VN1013WBSD02

Tot Ion: 83 Resp: 134263
Ion Ratio Lower Upper
83 100
85 68.1 50.9 76.3
127 8.4 6.3 9.5

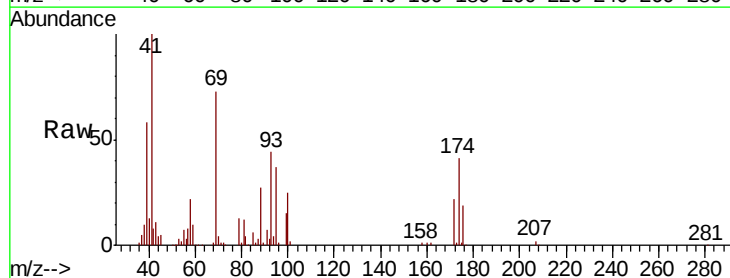


Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 84.90 (84.60 to 85.60): VNO
Ion 126.80 (126.50 to 127.50): VNO

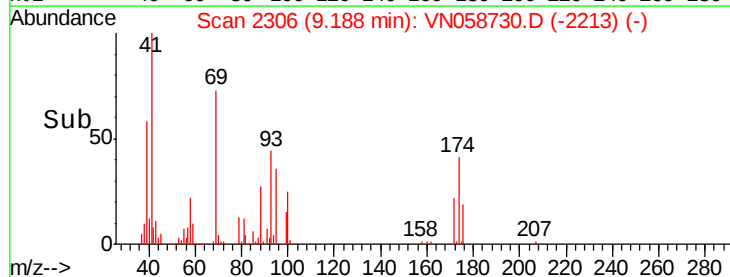
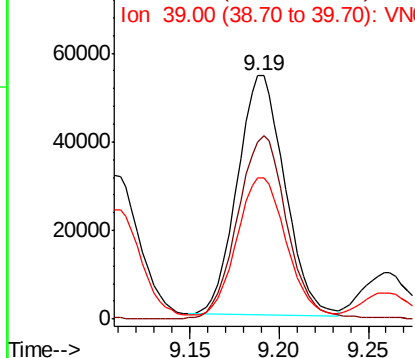


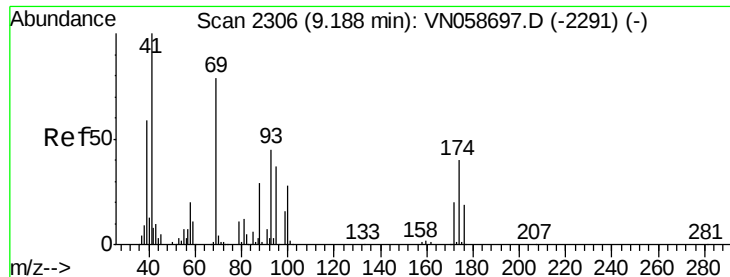
#48
Methyl methacrylate
Concen: 19.533 ug/l
RT: 9.19 min Scan# 2306
Delta R.T. 0.00 min
Lab File: VN058730.D
Acq: 12 Oct 2019 2:39

Tgt Ion: 41 Resp: 100345
Ion Ratio Lower Upper
41 100
69 80.2 63.4 95.2
39 62.1 48.9 73.3



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

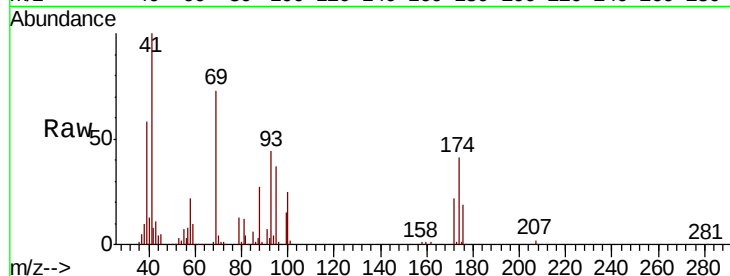




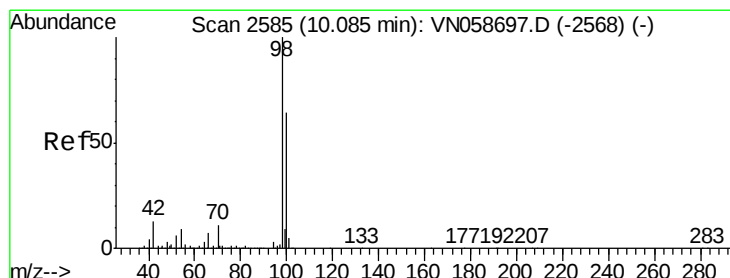
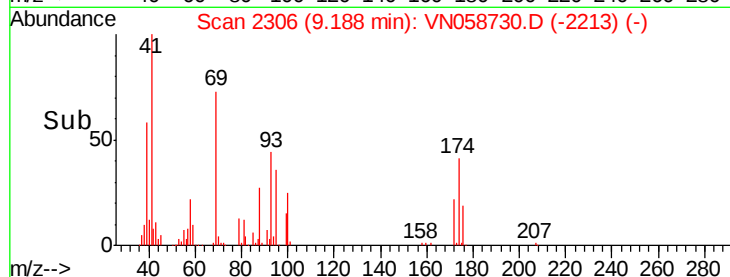
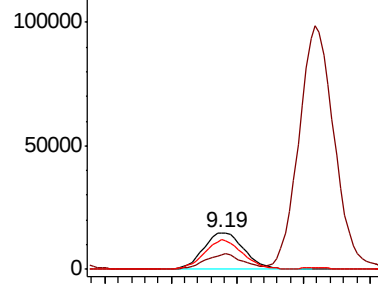
#49
1,4-Dioxane
Concen: 402.402 ug/l
RT: 9.19 min Scan# 2306
Delta R.T. 0.00 min
Lab File: VN058730.D
Acq: 12 Oct 2019 2:39

Instrument :
MSVOA_N
ClientSampleId :
VN1013WBSD02

Tot Ion: 88 Resp: 31981
Ion Ratio Lower Upper
88 100
43 39.4 28.6 43.0
58 75.6 57.2 85.8

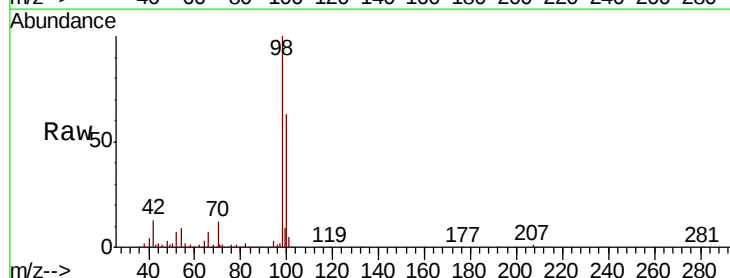


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

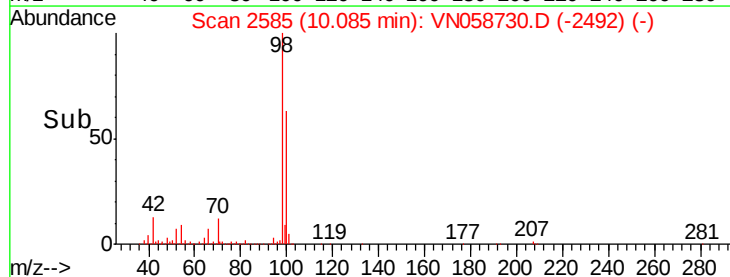
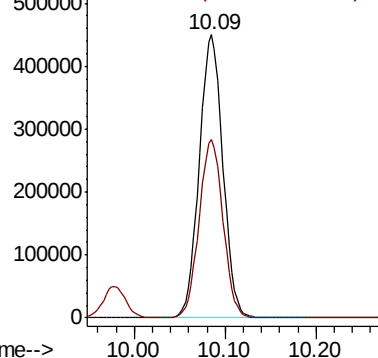


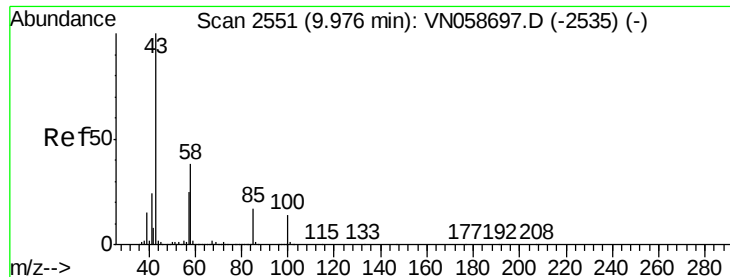
#50
Toluene-d8
Concen: 50.459 ug/l
RT: 10.09 min Scan# 2585
Delta R.T. 0.00 min
Lab File: VN058730.D
Acq: 12 Oct 2019 2:39

Tgt Ion: 98 Resp: 810878
Ion Ratio Lower Upper
98 100
100 63.6 51.1 76.7



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: 106.677 ug/l

RT: 9.98 min Scan# 2552

Delta R.T. 0.00 min

Lab File: VN058730.D

Acq: 12 Oct 2019 2:39

Instrument :

MSVOA_N

ClientSampleId :

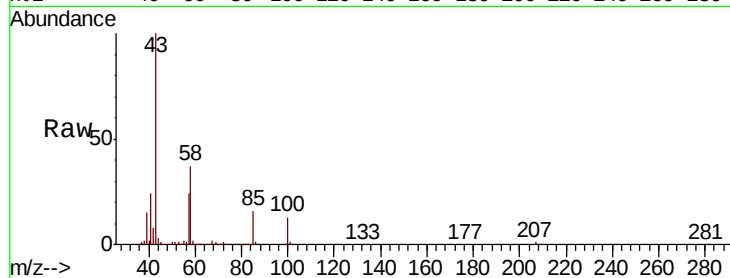
VN1013WBSD02

Tot Ion: 43 Resp: 678981

Ion Ratio Lower Upper

43 100

58 37.2 30.3 45.5



Abundance Ion 43.00 (42.70 to 43.70): VN058697.D

Ion 58.00 (57.70 to 58.70): VN058697.D

9.98

400000

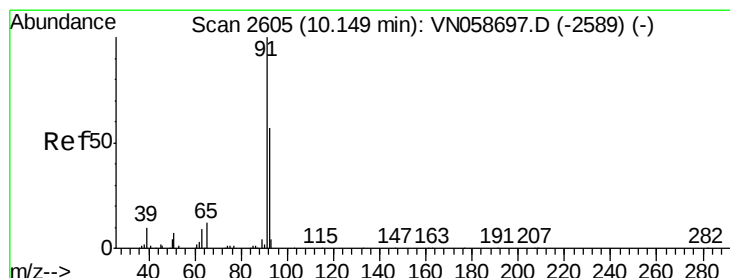
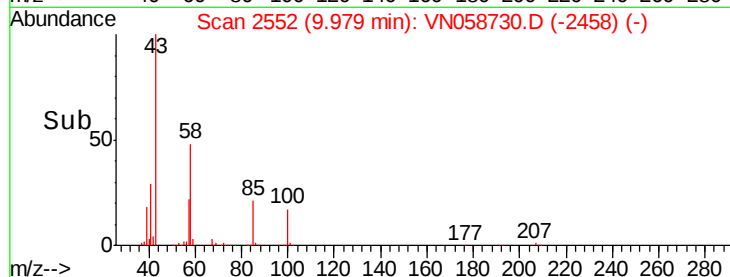
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 20.171 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. 0.00 min

Lab File: VN058730.D

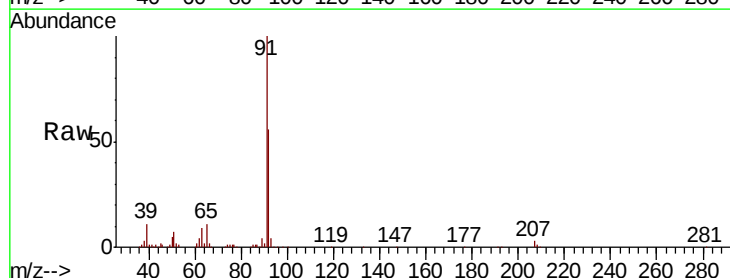
Acq: 12 Oct 2019 2:39

Tgt Ion: 92 Resp: 233073

Ion Ratio Lower Upper

92 100

91 176.7 139.1 208.7



Abundance Ion 92.00 (91.70 to 92.70): VN058697.D

Ion 91.00 (90.70 to 91.70): VN058697.D

10.15

250000

200000

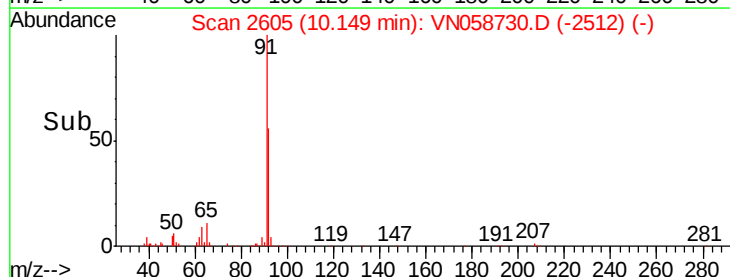
150000

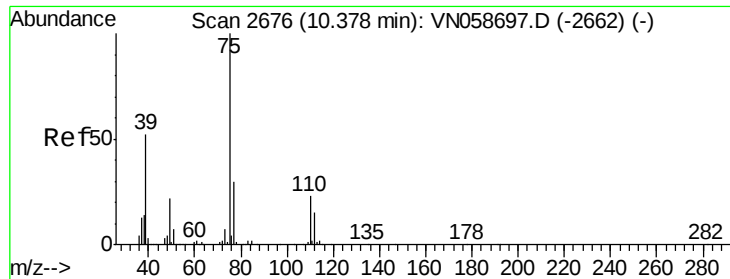
100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 19.091 ug/l

RT: 10.38 min Scan# 2676

Delta R.T. 0.00 min

Lab File: VN058730.D

Acq: 12 Oct 2019 2:39

Instrument :

MSVOA_N

ClientSampleId :

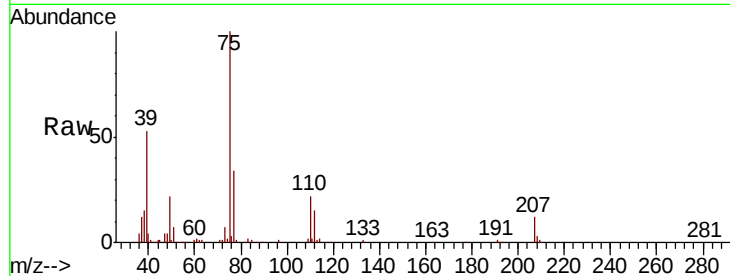
VN1013WBSD02

Tot Ion: 75 Resp: 142974

Ion Ratio Lower Upper

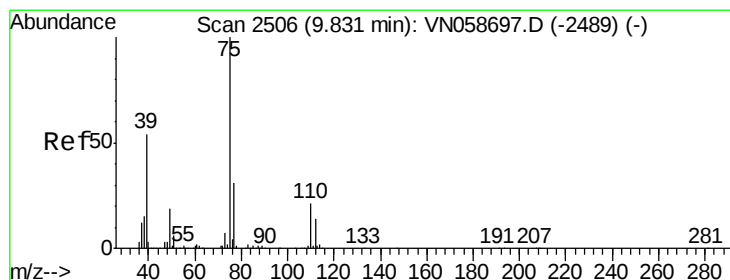
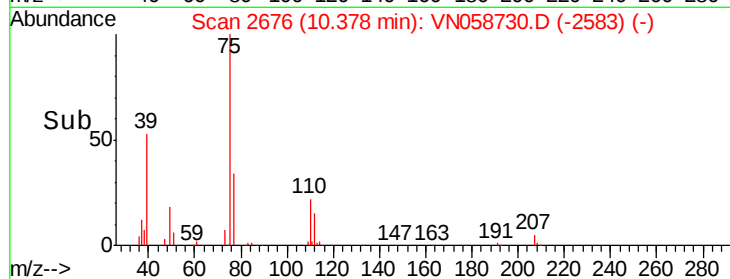
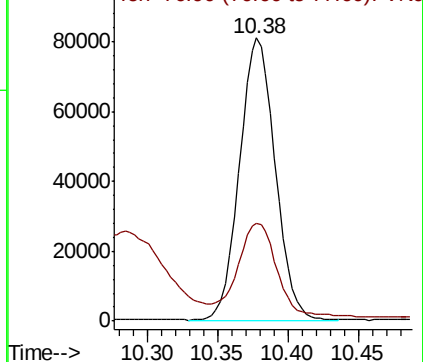
75 100

77 32.8 26.2 39.4



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 19.428 ug/l

RT: 9.83 min Scan# 2507

Delta R.T. 0.00 min

Lab File: VN058730.D

Acq: 12 Oct 2019 2:39

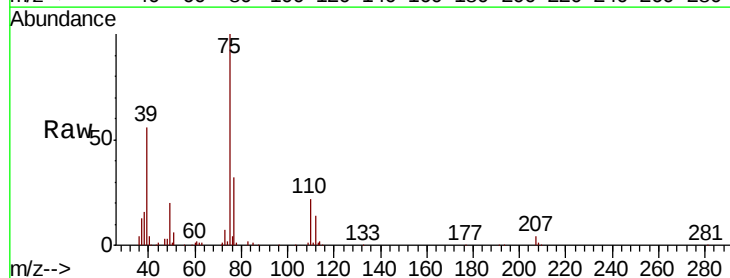
Tgt Ion: 75 Resp: 154482

Ion Ratio Lower Upper

75 100

77 31.8 24.4 36.6

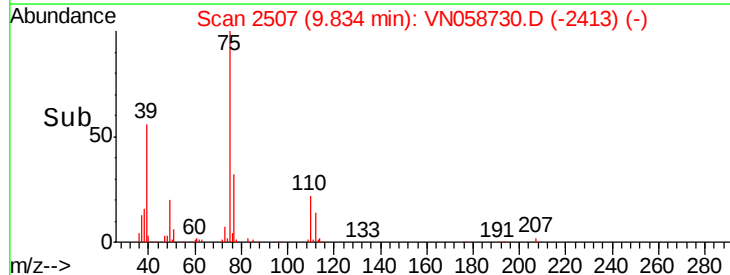
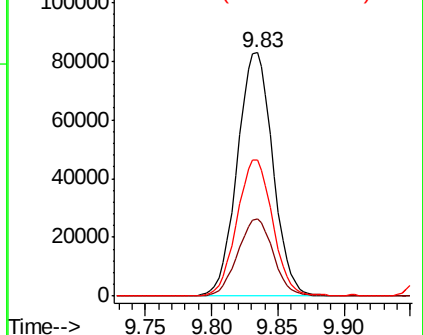
39 55.7 43.1 64.7

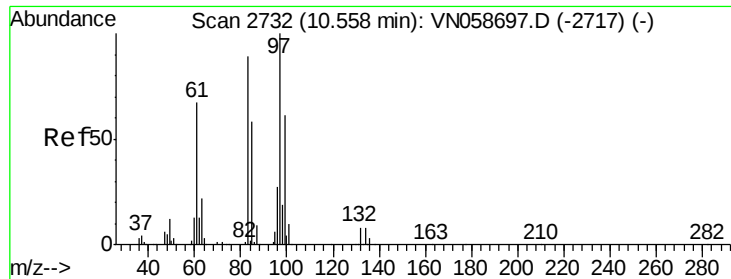


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0





#55

1,1,2-Trichloroethane

Concen: 19.591 ug/l

RT: 10.56 min Scan# 2732

Delta R.T. 0.00 min

Lab File: VN058730.D

Acq: 12 Oct 2019 2:39

Instrument :

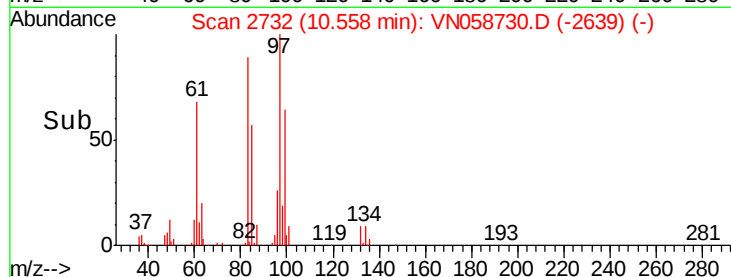
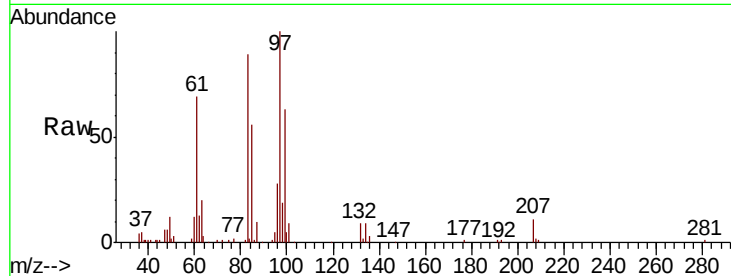
MSVOA_N

ClientSampleId :

VN1013WBSD02

Tot Ion: 97 Resp: 92655

Ion	Ratio	Lower	Upper
97	100		
83	88.8	71.2	106.8
85	56.4	46.7	70.1
99	63.4	49.0	73.6

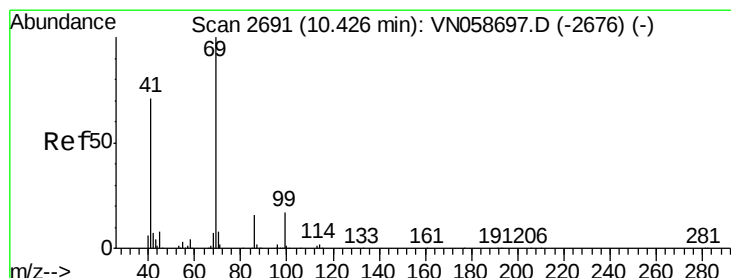


Abundance Ion 96.90 (96.60 to 97.60): VN0

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: 19.841 ug/l

RT: 10.43 min Scan# 2691

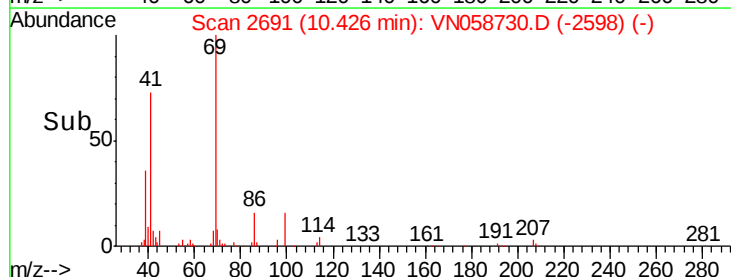
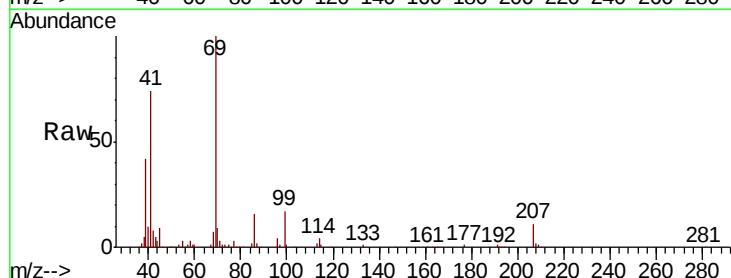
Delta R.T. 0.00 min

Lab File: VN058730.D

Acq: 12 Oct 2019 2:39

Tgt Ion: 69 Resp: 137084

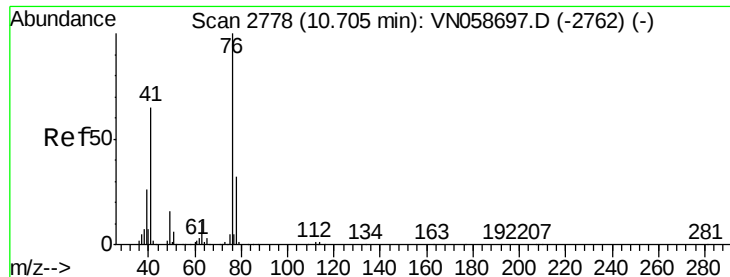
Ion	Ratio	Lower	Upper
69	100		
41	71.5	56.8	85.2
39	41.9	32.5	48.7



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: 20.275 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN058730.D

Acq: 12 Oct 2019 2:39

Instrument :

MSVOA_N

ClientSampleId :

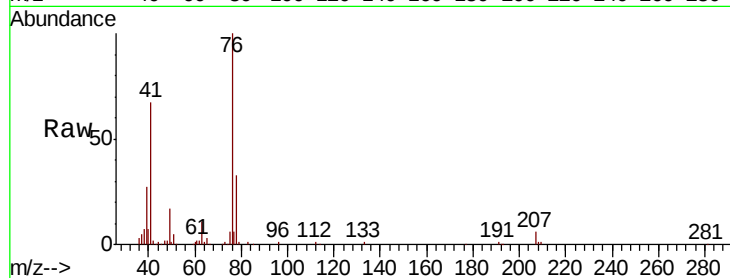
VN1013WBSD02

Tot Ion: 76 Resp: 163397

Ion Ratio Lower Upper

76 100

78 32.8 25.9 38.9



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

10.71

80000

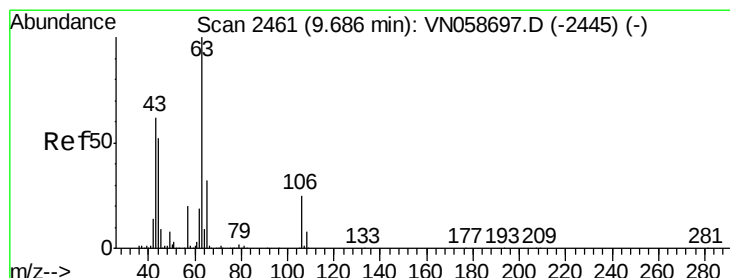
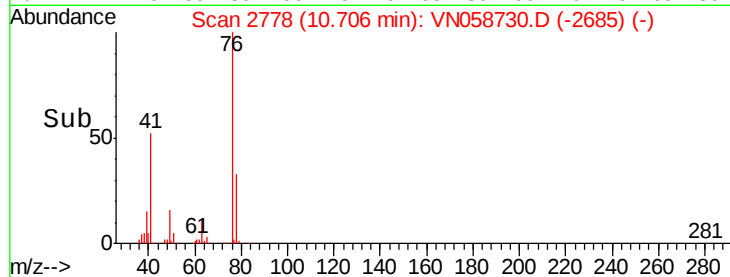
60000

40000

20000

0

Time--> 10.60 10.70 10.80



#58

2-Chloroethyl Vinyl ether

Concen: 101.077 ug/l

RT: 9.69 min Scan# 2461

Delta R.T. 0.00 min

Lab File: VN058730.D

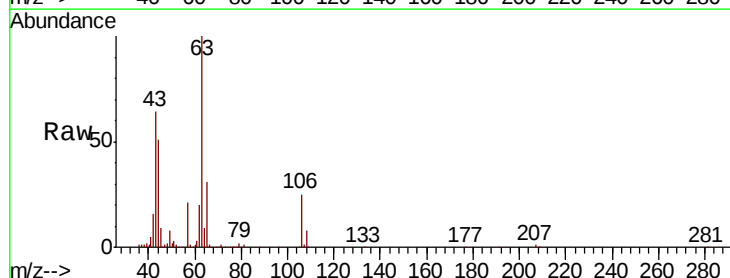
Acq: 12 Oct 2019 2:39

Tgt Ion: 63 Resp: 336557

Ion Ratio Lower Upper

63 100

106 25.3 20.0 30.0



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

9.69

200000

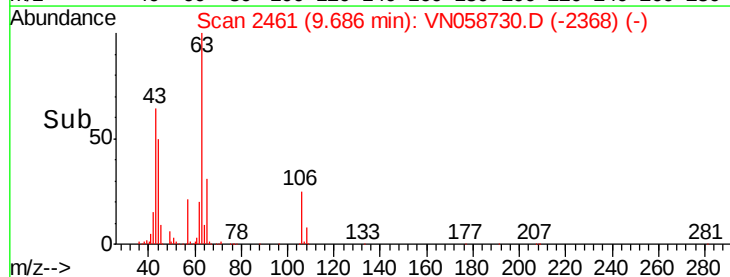
150000

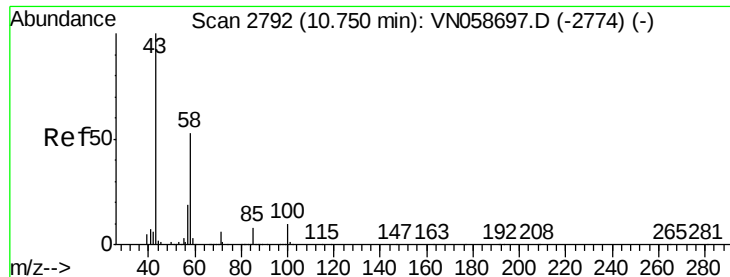
100000

50000

0

Time--> 9.60 9.70 9.80

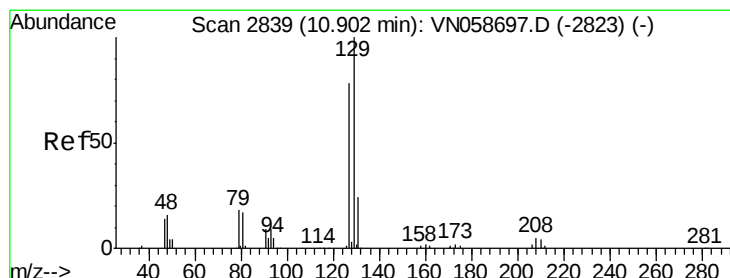
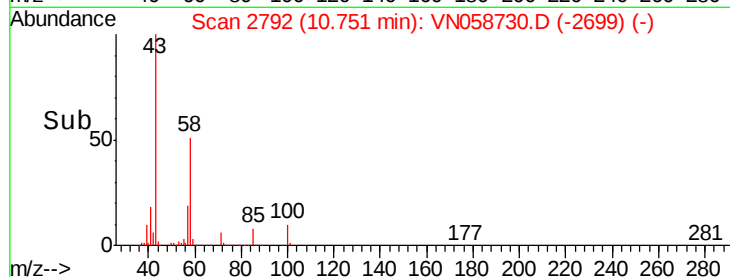
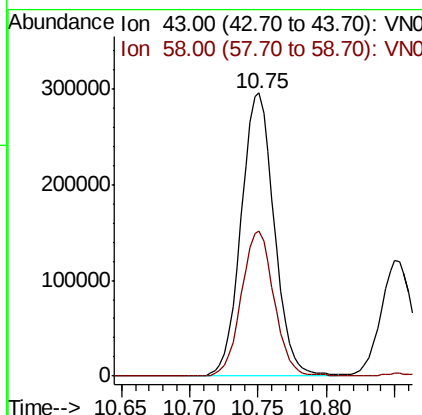
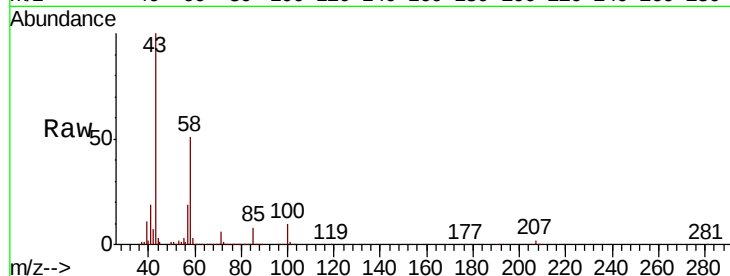




#59
2-Hexanone
Concen: 100.910 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN058730.D
Acq: 12 Oct 2019 2:39

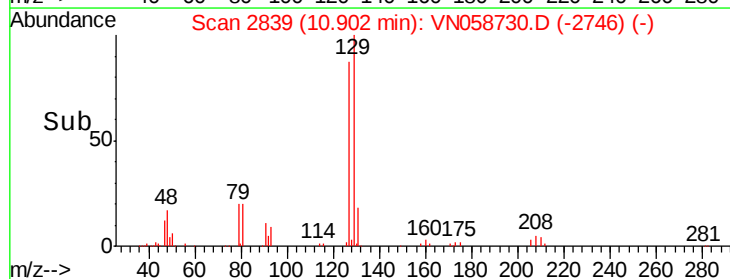
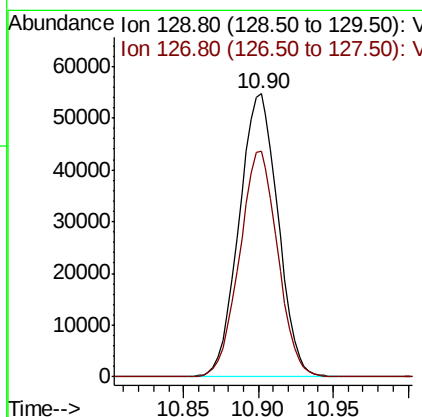
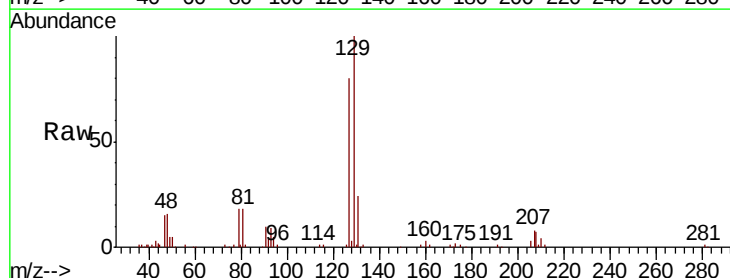
Instrument :
MSVOA_N
ClientSampleId :
VN1013WBSD02

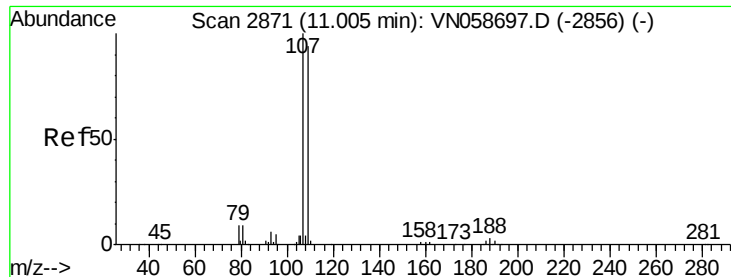
Tot Ion: 43 Resp: 496354
Ion Ratio Lower Upper
43 100
58 50.9 26.1 78.3



#60
Dibromochloromethane
Concen: 20.325 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN058730.D
Acq: 12 Oct 2019 2:39

Tgt Ion: 129 Resp: 99157
Ion Ratio Lower Upper
129 100
127 77.9 38.5 115.3





#61

1,2-Dibromoethane

Concen: 19.730 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN058730.D

Acq: 12 Oct 2019 2:39

Instrument :

MSVOA_N

ClientSampleId :

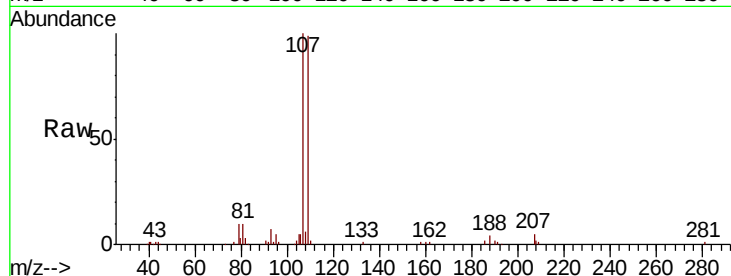
VN1013WBSD02

Tot Ion: 107 Resp: 93482

Ion Ratio Lower Upper

107 100

109 95.0 75.4 113.0



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.00

60000

50000

40000

30000

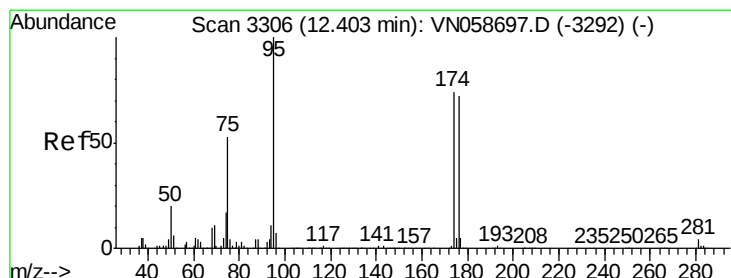
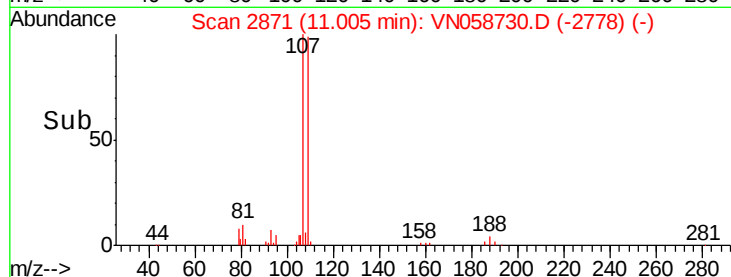
20000

10000

0

Time-->

10.95 11.00 11.05 11.10



#62

4-Bromofluorobenzene

Concen: 48.276 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN058730.D

Acq: 12 Oct 2019 2:39

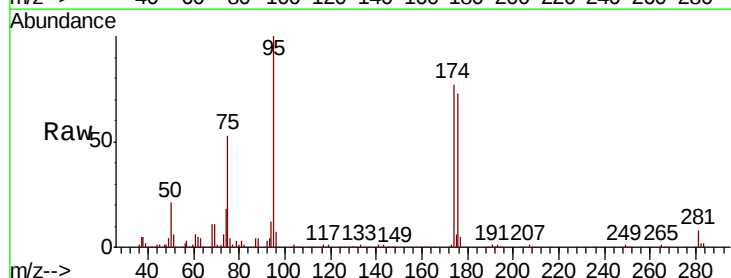
Tgt Ion: 95 Resp: 293664

Ion Ratio Lower Upper

95 100

174 77.4 0.0 150.4

176 74.0 0.0 146.8



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

200000

150000

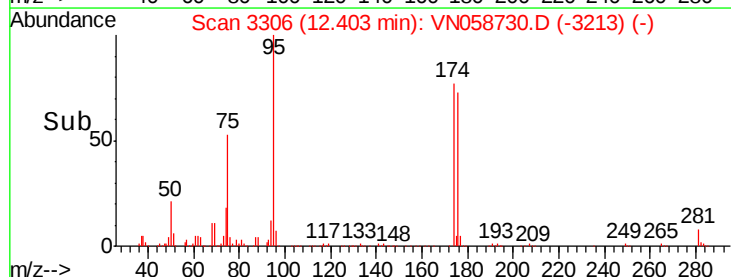
100000

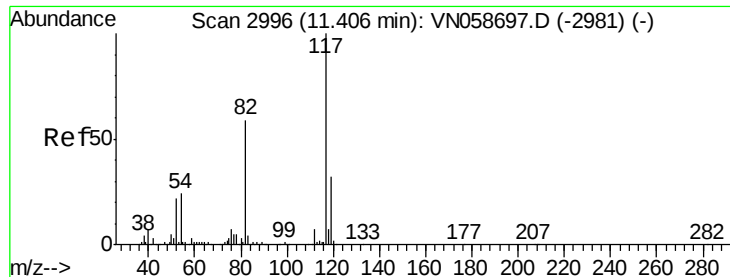
50000

0

Time-->

12.40 12.50

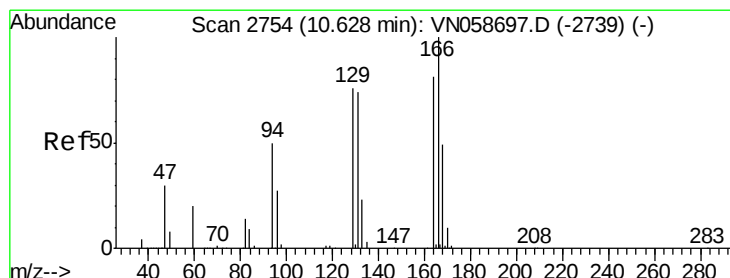
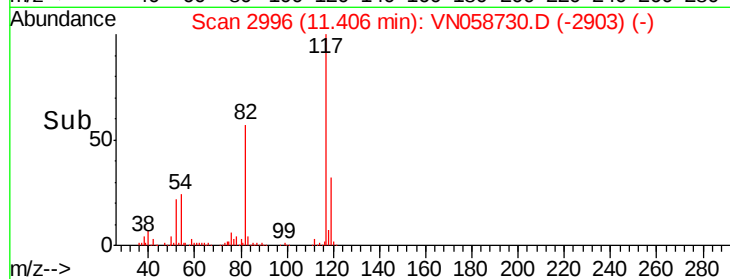
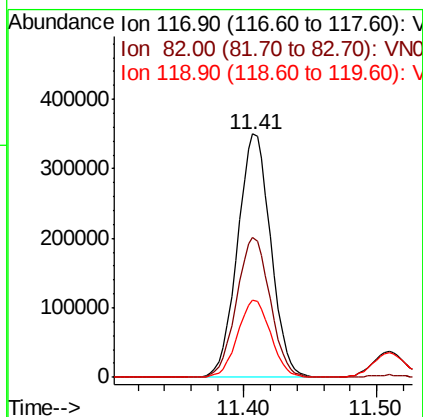
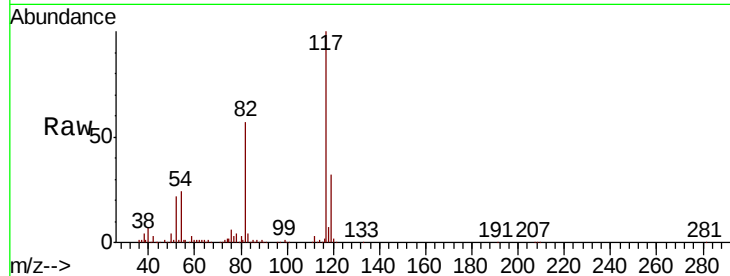




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN058730.D
Acq: 12 Oct 2019 2:39

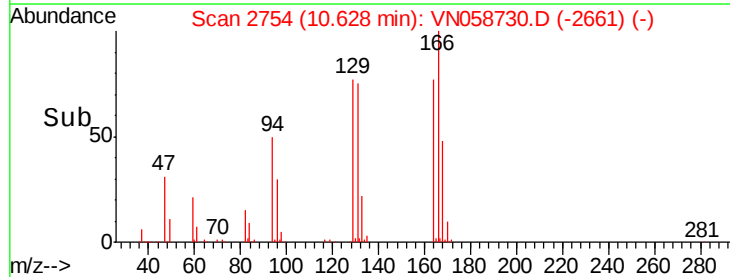
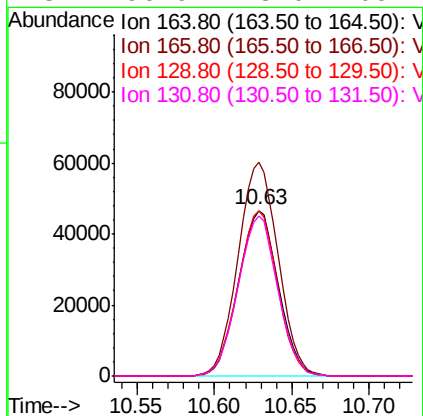
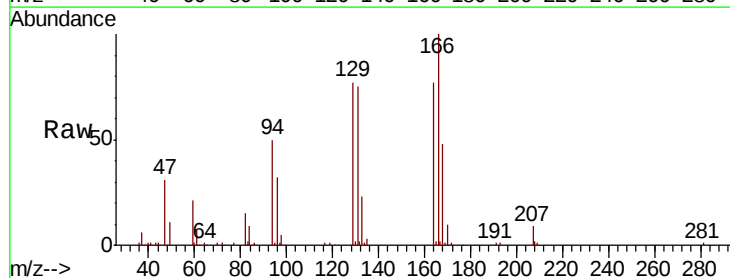
Instrument :
MSVOA_N
ClientSampleId :
VN1013WBSD02

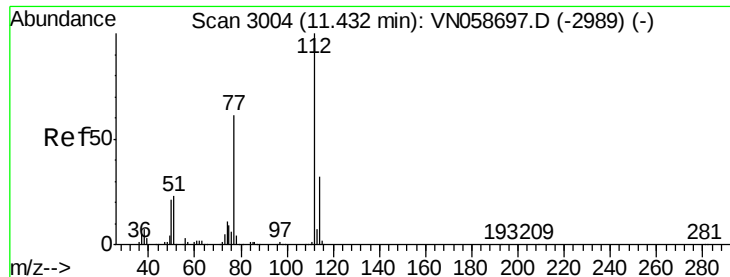
Tot Ion:117 Resp: 607397
Ion Ratio Lower Upper
117 100
82 57.4 47.0 70.4
119 31.6 25.4 38.2



#64
Tetrachloroethene
Concen: 19.732 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN058730.D
Acq: 12 Oct 2019 2:39

Tgt Ion:164 Resp: 83875
Ion Ratio Lower Upper
164 100
166 129.3 99.3 148.9
129 99.6 75.2 112.8
131 96.9 73.0 109.4

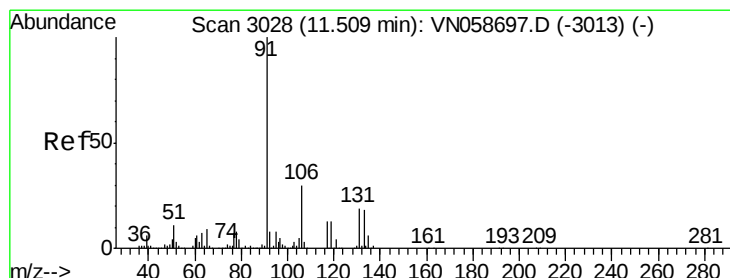
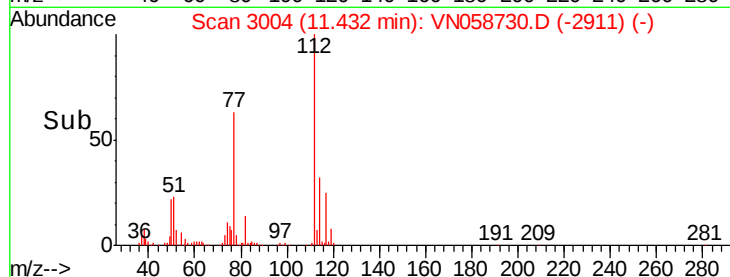
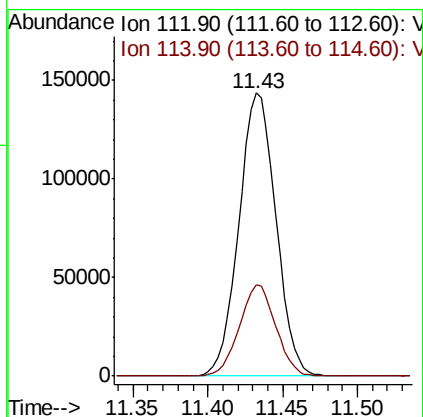
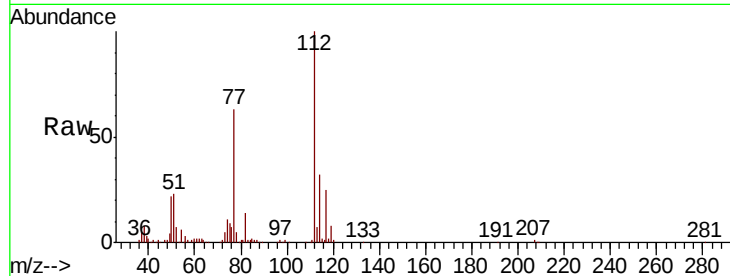




#65
Chlorobenzene
Concen: 20.079 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN058730.D
Acq: 12 Oct 2019 2:39

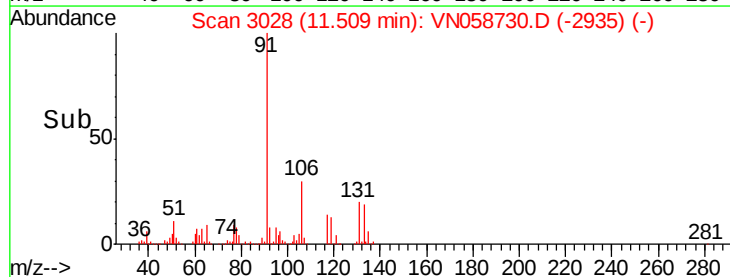
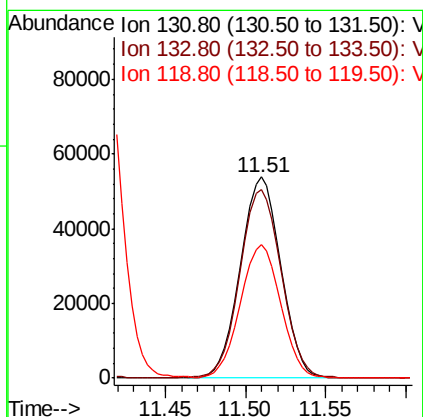
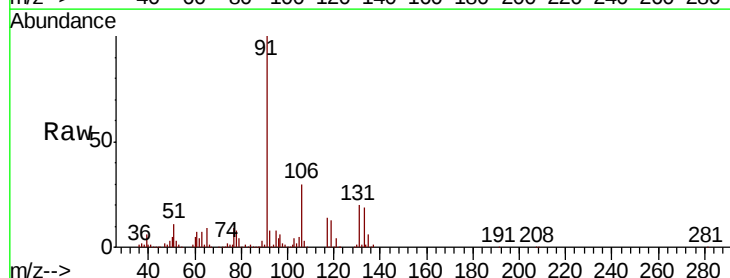
Instrument :
MSVOA_N
ClientSampleId :
VN1013WBSD02

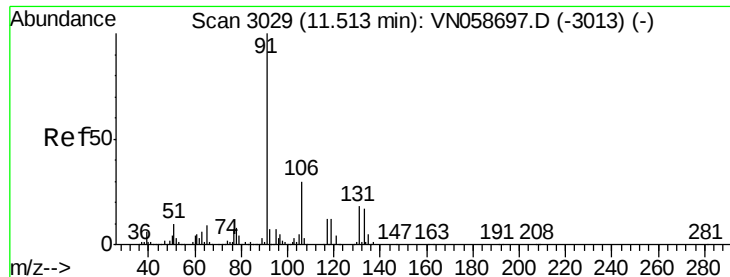
Tot Ion:112 Resp: 247668
Ion Ratio Lower Upper
112 100
114 32.3 25.2 37.8



#66
1,1,1,2-Tetrachloroethane
Concen: 20.352 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN058730.D
Acq: 12 Oct 2019 2:39

Tgt Ion:131 Resp: 92828
Ion Ratio Lower Upper
131 100
133 96.4 47.6 142.9
119 66.5 33.0 98.9





#67

Ethyl Benzene

Concen: 20.353 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. 0.00 min

Lab File: VN058730.D

Acq: 12 Oct 2019 2:39

Instrument :

MSVOA_N

ClientSampleId :

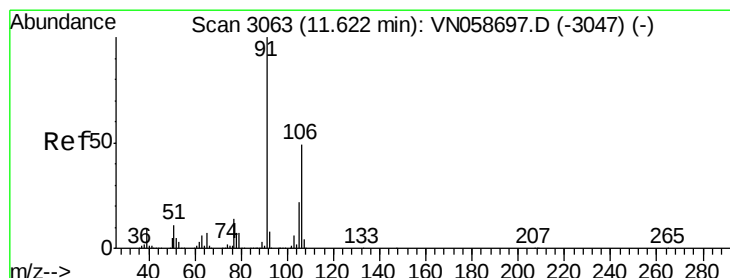
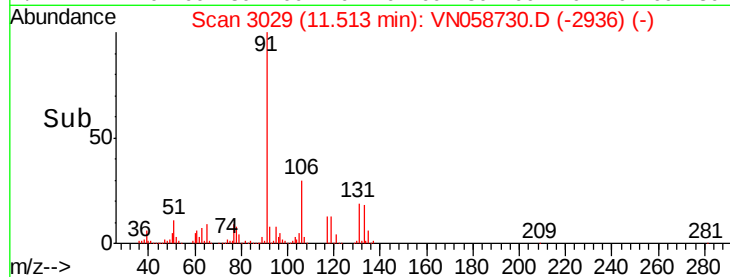
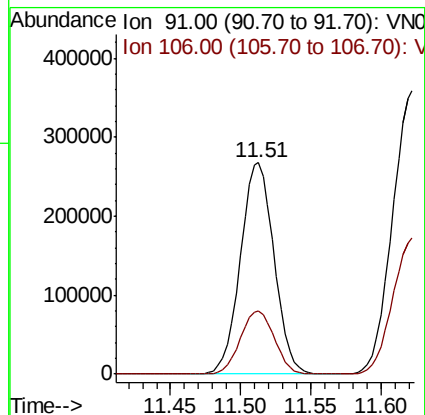
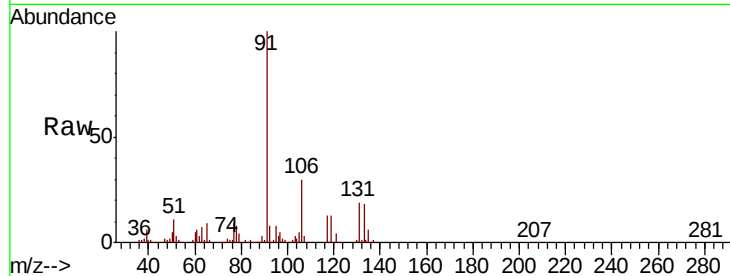
VN1013WBSD02

Tot Ion: 91 Resp: 447526

Ion Ratio Lower Upper

91 100

106 29.9 24.1 36.1



#68

m/p-Xylenes

Concen: 39.980 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN058730.D

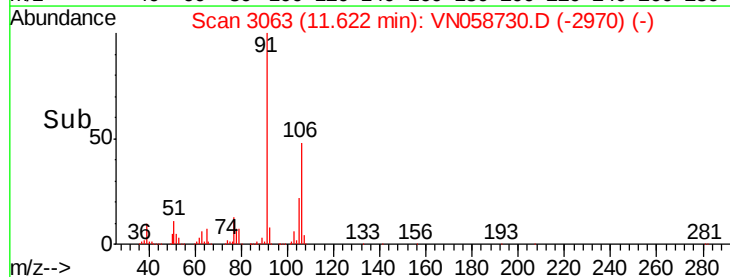
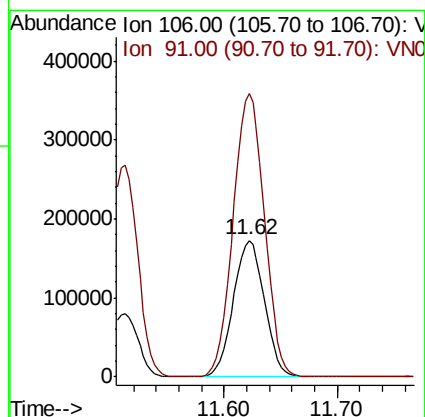
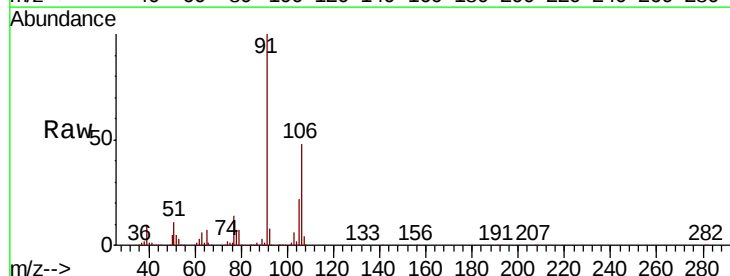
Acq: 12 Oct 2019 2:39

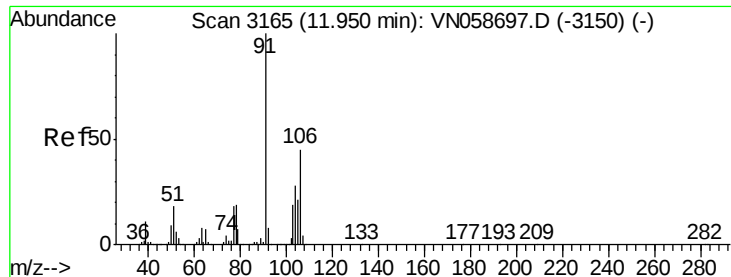
Tgt Ion: 106 Resp: 329896

Ion Ratio Lower Upper

106 100

91 209.0 165.7 248.5

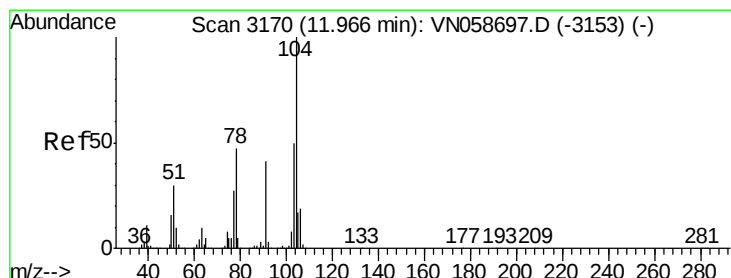
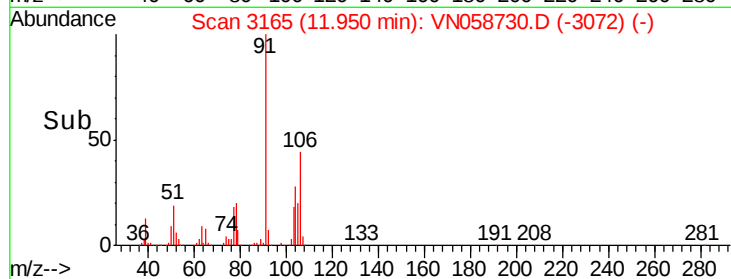
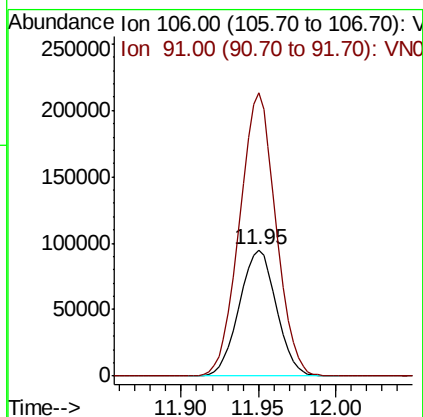
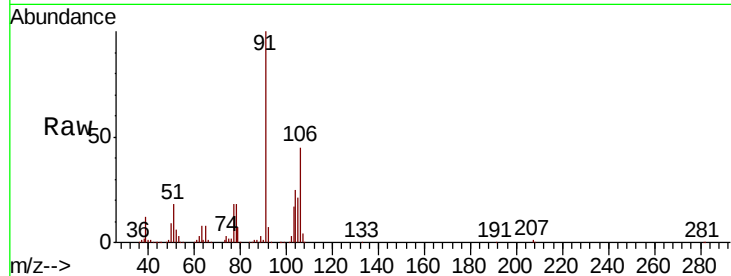




#69
o-Xylene
Concen: 19.840 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN058730.D
Acq: 12 Oct 2019 2:39

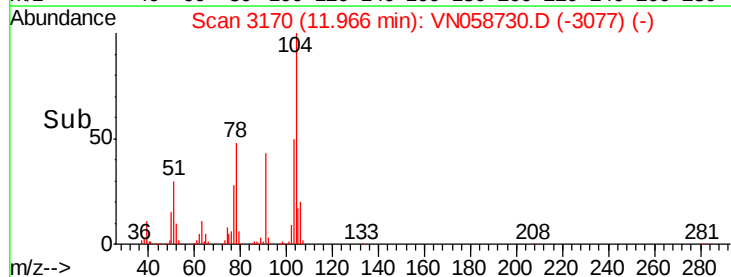
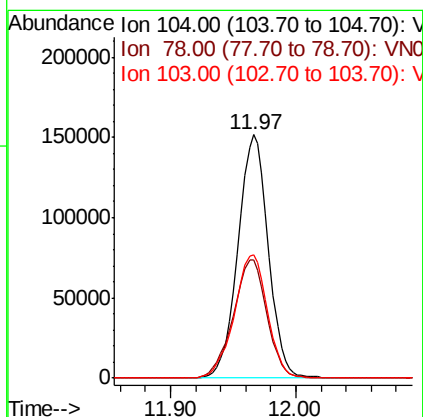
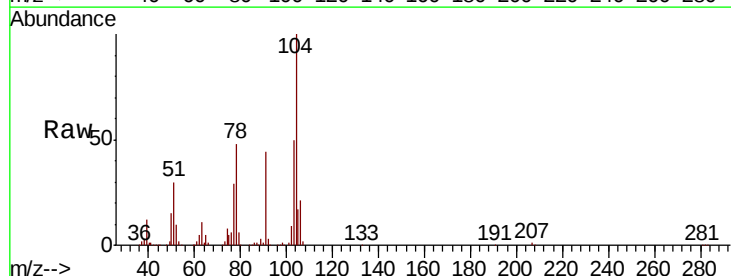
Instrument :
MSVOA_N
ClientSampleId :
VN1013WBSD02

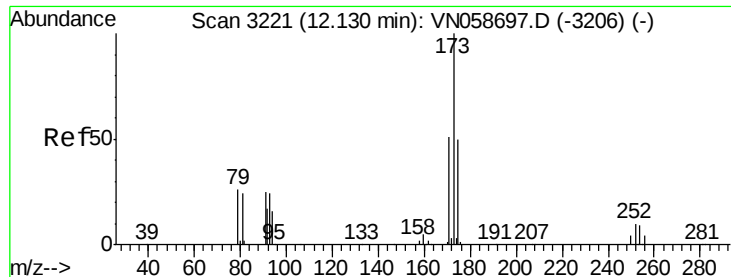
Tot Ion:106 Resp: 158390
Ion Ratio Lower Upper
106 100
91 219.9 110.9 332.9



#70
Styrene
Concen: 19.499 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN058730.D
Acq: 12 Oct 2019 2:39

Tgt Ion:104 Resp: 255140
Ion Ratio Lower Upper
104 100
78 54.1 42.2 63.2
103 55.2 43.7 65.5





#71

Bromoform

Concen: 19.671 ug/l

RT: 12.13 min Scan# 3221

Delta R.T. 0.00 min

Lab File: VN058730.D

Acq: 12 Oct 2019 2:39

Instrument :

MSVOA_N

ClientSampleId :

VN1013WBSD02

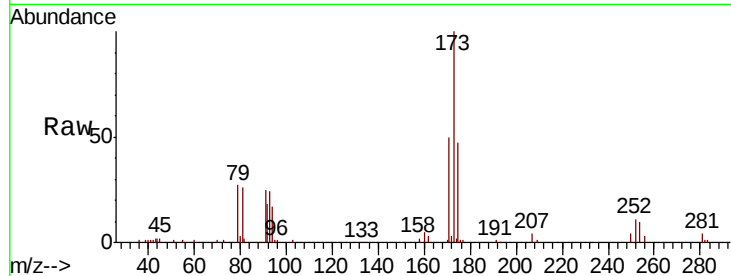
Tot Ion:173 Resp: 65767

Ion Ratio Lower Upper

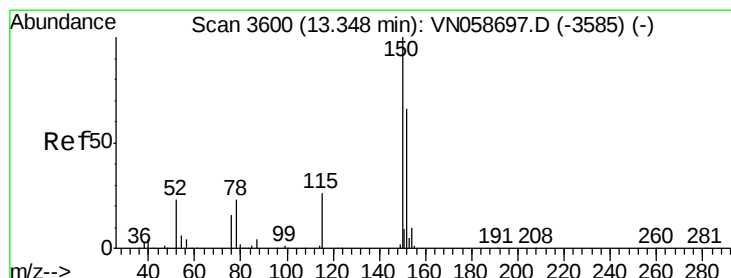
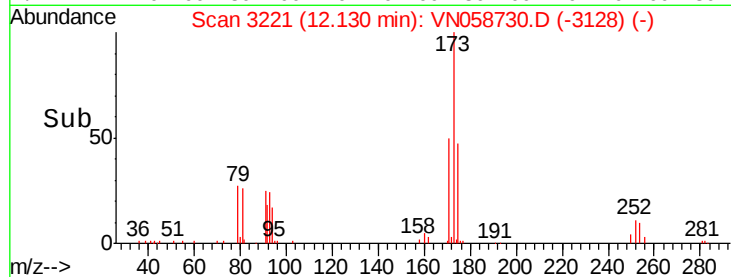
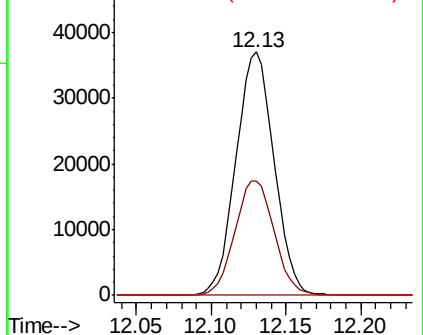
173 100

175 48.5 24.6 73.8

254 0.0 0.1 0.1#



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: 13.35 min Scan# 3600

Delta R.T. 0.00 min

Lab File: VN058730.D

Acq: 12 Oct 2019 2:39

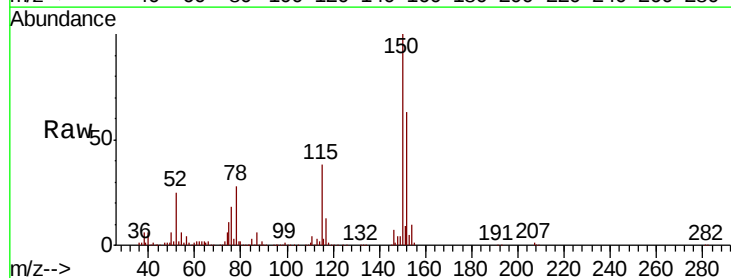
Tgt Ion:152 Resp: 285178

Ion Ratio Lower Upper

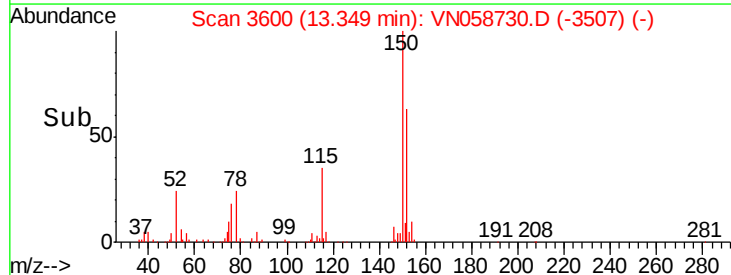
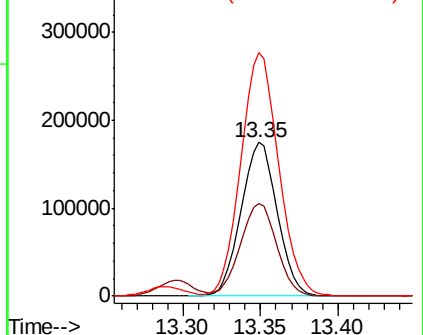
152 100

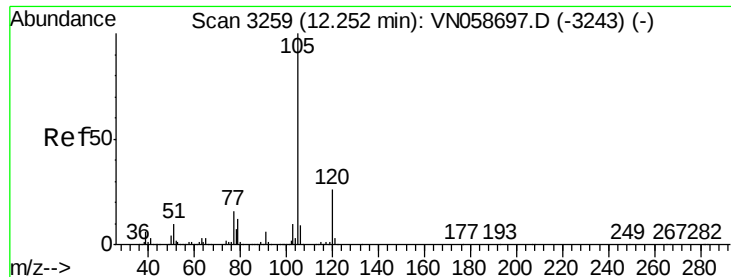
115 60.7 30.4 91.2

150 165.3 0.0 345.4



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.681 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN058730.D

Acq: 12 Oct 2019 2:39

Instrument :

MSVOA_N

ClientSampleId :

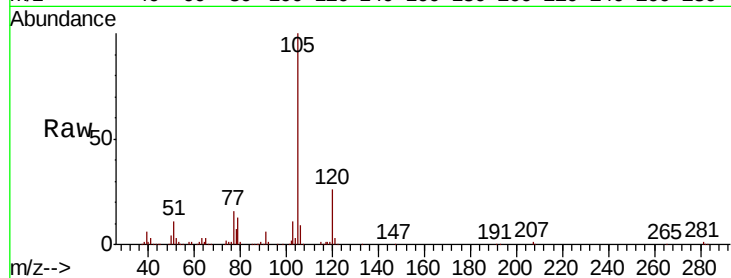
VN1013WBSD02

Tot Ion:105 Resp: 427134

Ion Ratio Lower Upper

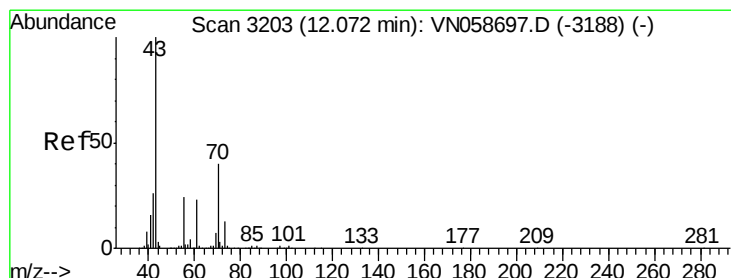
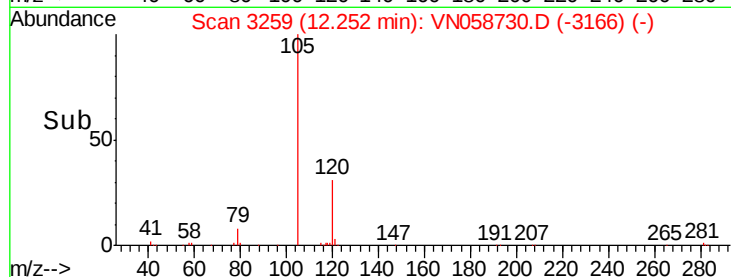
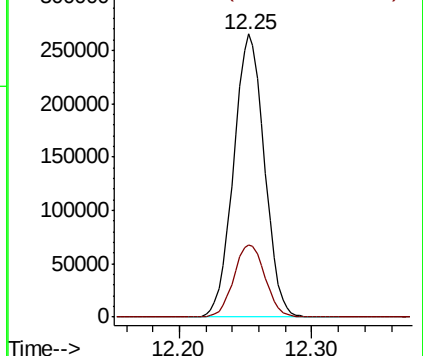
105 100

120 26.0 13.1 39.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 20.170 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN058730.D

Acq: 12 Oct 2019 2:39

Tgt Ion: 43 Resp: 187097

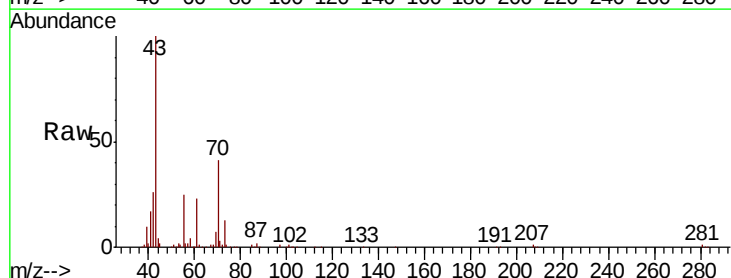
Ion Ratio Lower Upper

43 100

70 39.9 32.2 48.4

55 26.0 19.6 29.4

61 23.0 18.6 28.0

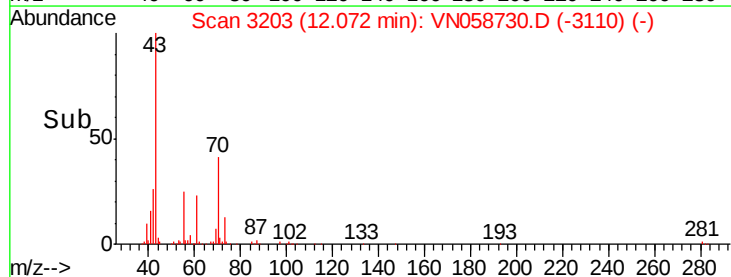
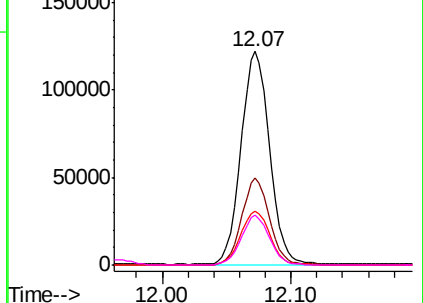


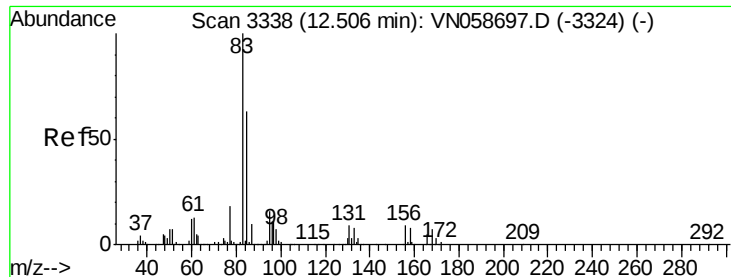
Abundance Ion 43.00 (42.70 to 43.70): V

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





#75

1,1,2,2-Tetrachloroethane

Concen: 20.502 ug/l

RT: 12.51 min Scan# 3339

Delta R.T. 0.00 min

Lab File: VN058730.D

Acq: 12 Oct 2019 2:39

Instrument :

MSVOA_N

ClientSampleId :

VN1013WBSD02

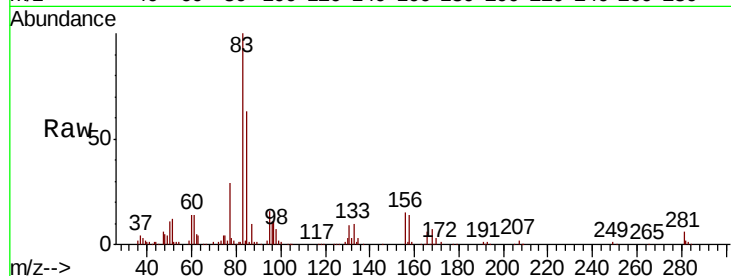
Tot Ion: 83 Resp: 139493

Ion Ratio Lower Upper

83 100

131 9.7 4.8 14.4

85 65.0 31.9 95.5



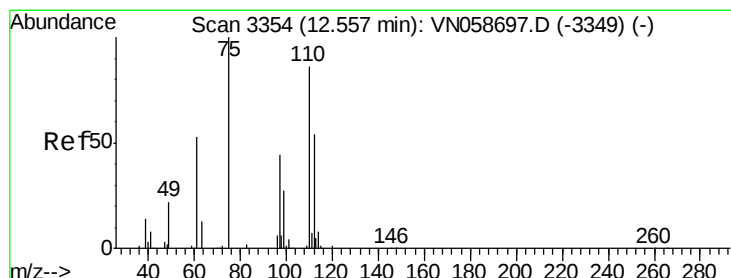
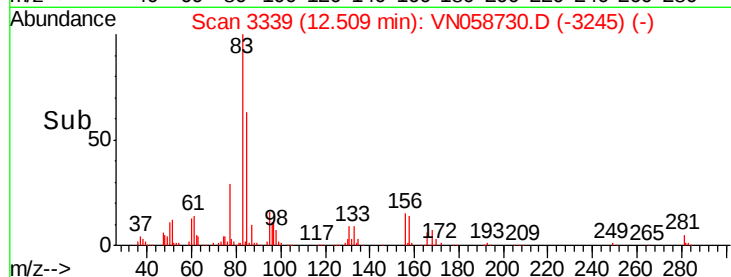
Abundance Ion 82.90 (82.60 to 83.60): VN058730.D (-3339) (-)

Ion 130.80 (130.50 to 131.50): VN058730.D (-3339) (-)

Ion 84.90 (84.60 to 85.60): VN058730.D (-3339) (-)

12.51

Time-->



#76

1,2,3-Trichloropropane

Concen: 29.251 ug/l

RT: 12.56 min Scan# 3354

Delta R.T. 0.00 min

Lab File: VN058730.D

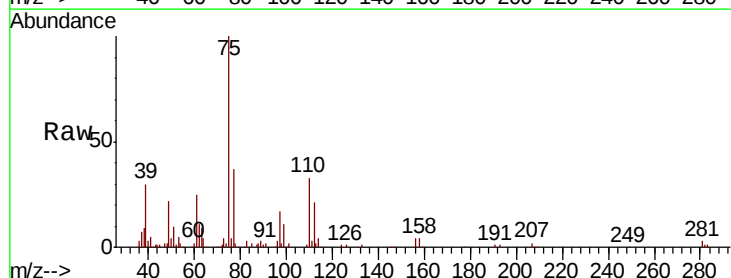
Acq: 12 Oct 2019 2:39

Tgt Ion: 75 Resp: 182997

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0

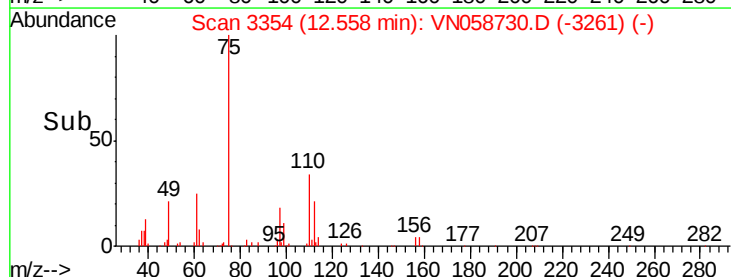


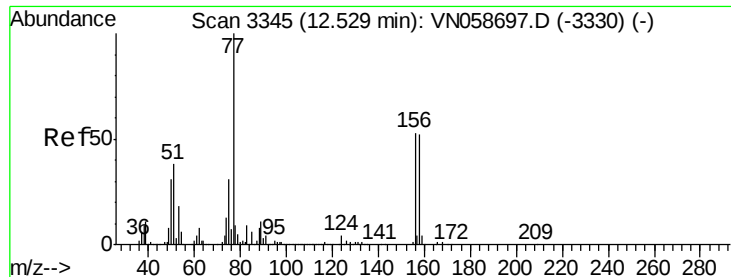
Abundance Ion 74.90 (74.60 to 75.60): VN058730.D (-3354) (-)

Ion 77.00 (76.70 to 77.70): VN058730.D (-3354) (-)

12.56

Time-->





#77

Bromobenzene

Concen: 20.428 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN058730.D

Acq: 12 Oct 2019 2:39

Instrument :

MSVOA_N

ClientSampleId :

VN1013WBSD02

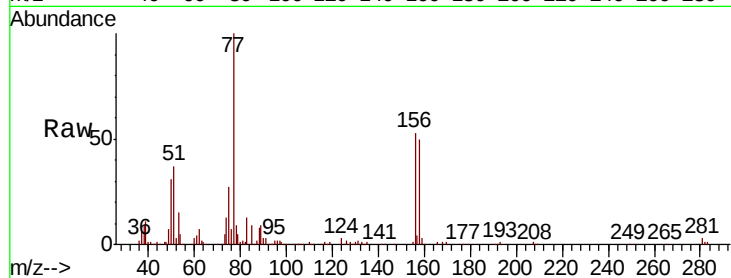
Tot Ion:156 Resp: 102622

Ion Ratio Lower Upper

156 100

77 228.0 115.8 347.3

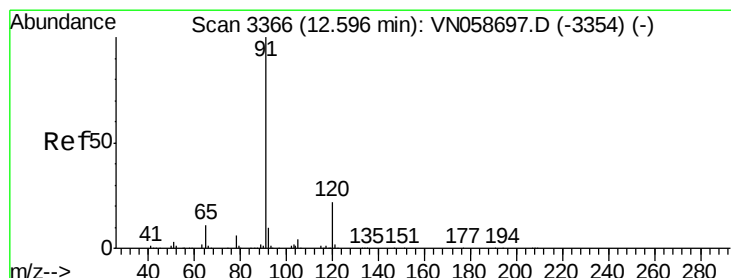
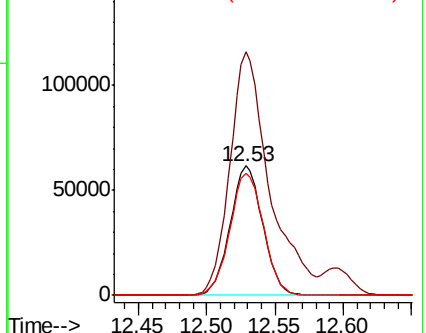
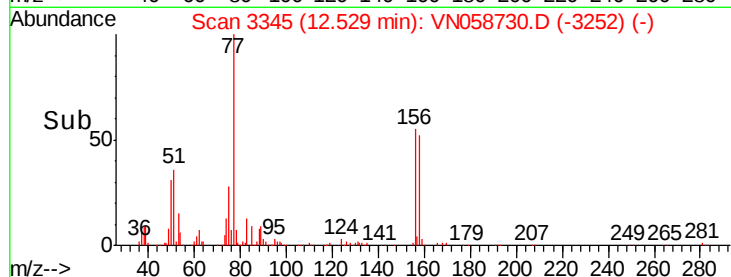
158 97.0 48.9 146.6



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.860 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. -0.00 min

Lab File: VN058730.D

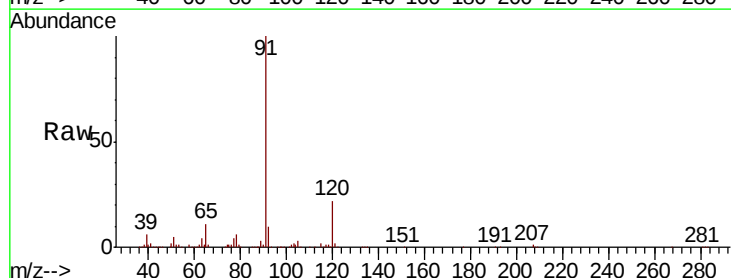
Acq: 12 Oct 2019 2:39

Tgt Ion: 91 Resp: 502030

Ion Ratio Lower Upper

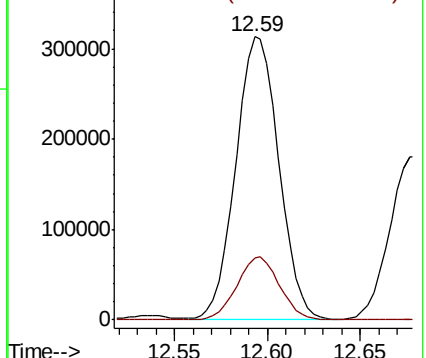
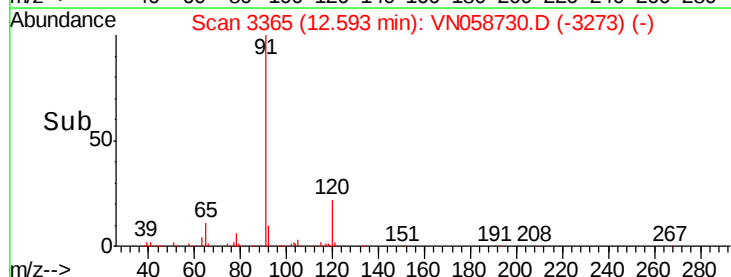
91 100

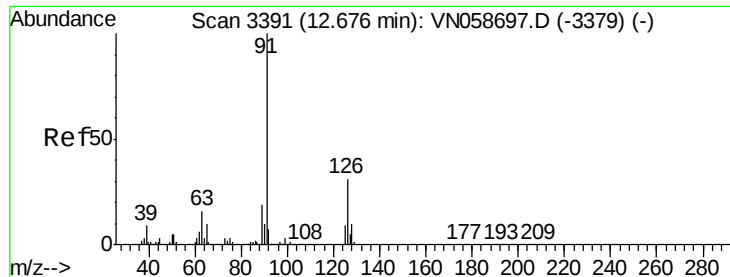
120 22.1 11.1 33.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

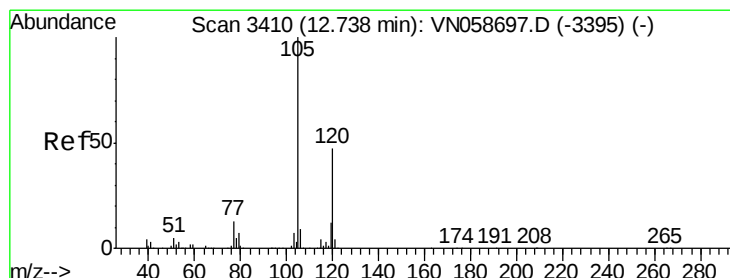
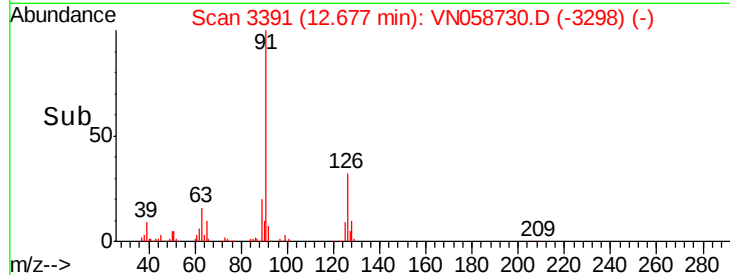
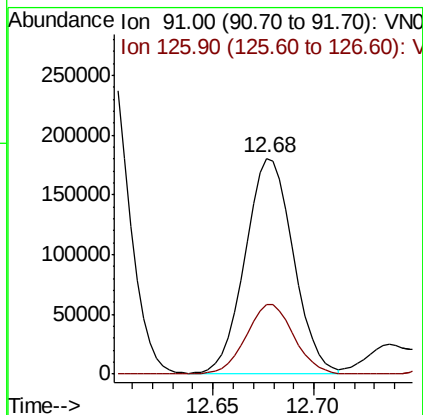
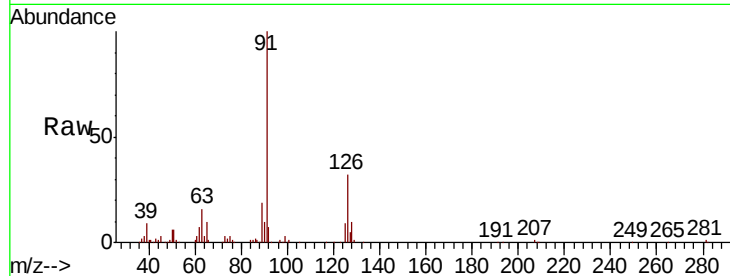




#79
 2-Chlorotoluene
 Concen: 20.088 ug/l
 RT: 12.68 min Scan# 3391
 Delta R.T. 0.00 min
 Lab File: VN058730.D
 Acq: 12 Oct 2019 2:39

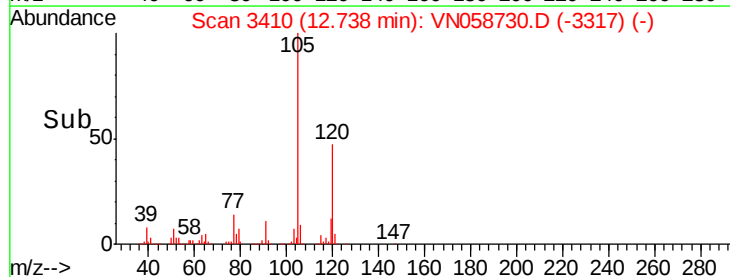
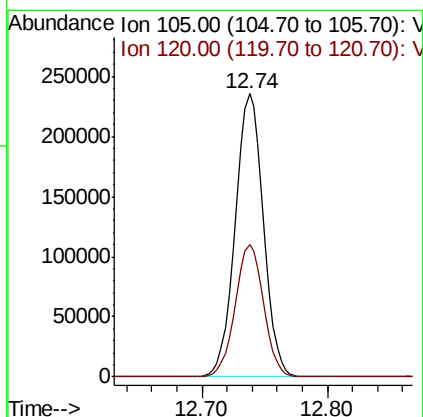
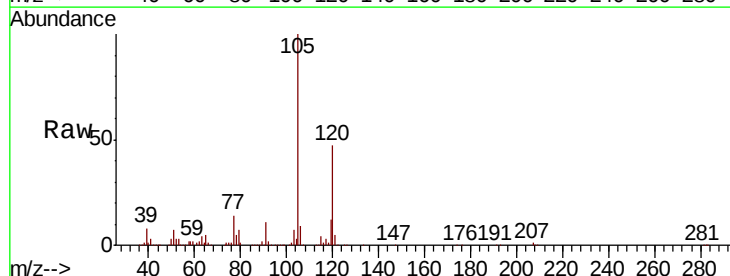
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1013WBSD02

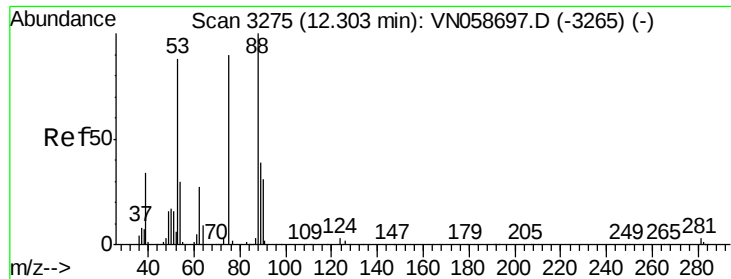
Tot Ion: 91 Resp: 300062
 Ion Ratio Lower Upper
 91 100
 126 32.3 16.2 48.5



#80
 1,3,5-Trimethylbenzene
 Concen: 20.791 ug/l
 RT: 12.74 min Scan# 3410
 Delta R.T. 0.00 min
 Lab File: VN058730.D
 Acq: 12 Oct 2019 2:39

Tgt Ion: 105 Resp: 366591
 Ion Ratio Lower Upper
 105 100
 120 47.2 23.4 70.2





#81

trans-1,4-Dichloro-2-butene

Concen: 17.544 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. 0.00 min

Lab File: VN058730.D

Acq: 12 Oct 2019 2:39

Instrument :

MSVOA_N

ClientSampleId :

VN1013WBSD02

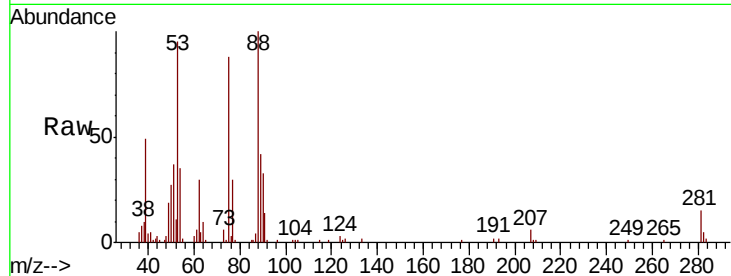
Tot Ion: 75 Resp: 40975

Ion Ratio Lower Upper

75 100

53 107.5 78.4 117.6

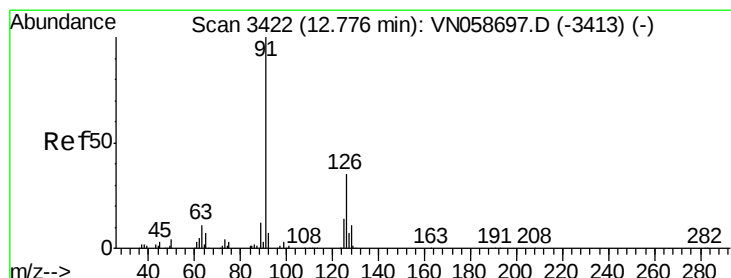
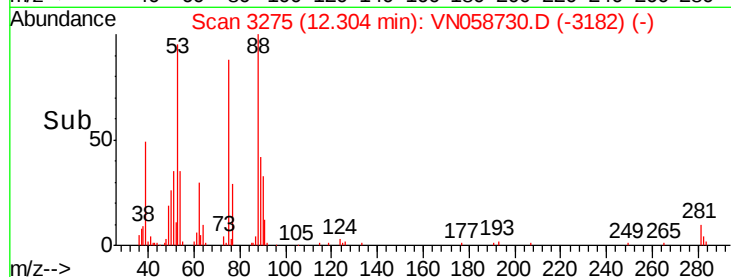
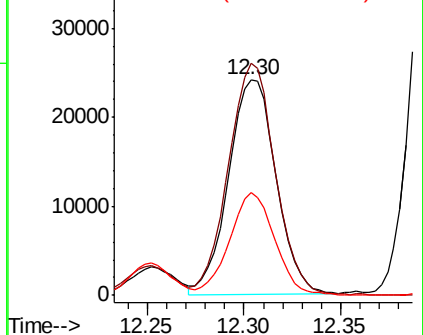
89 45.7 34.9 52.3



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 20.320 ug/l

RT: 12.78 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN058730.D

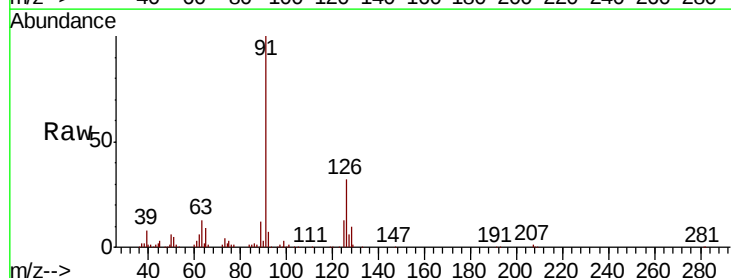
Acq: 12 Oct 2019 2:39

Tgt Ion: 91 Resp: 311468

Ion Ratio Lower Upper

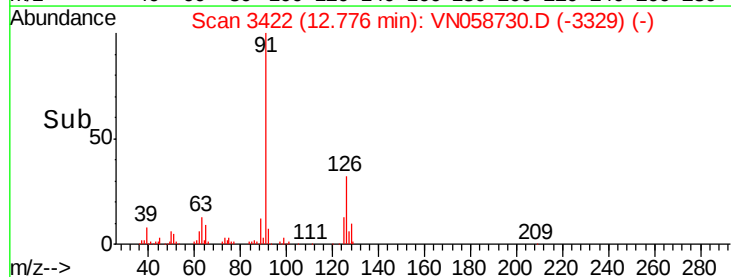
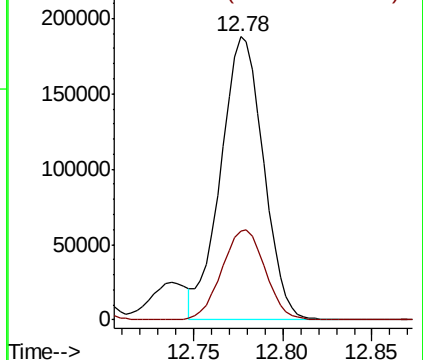
91 100

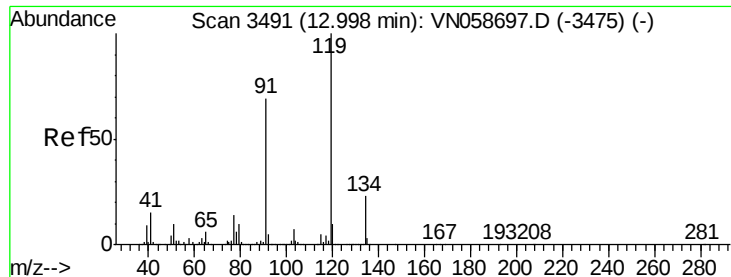
126 32.3 15.9 47.6



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

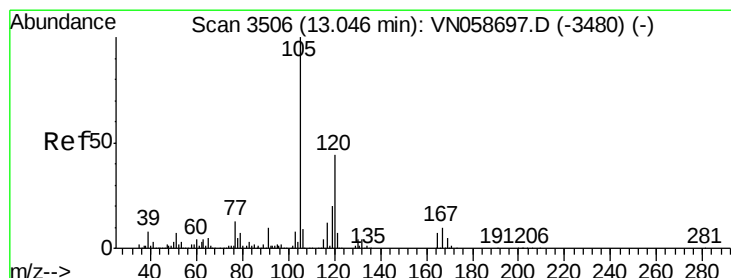
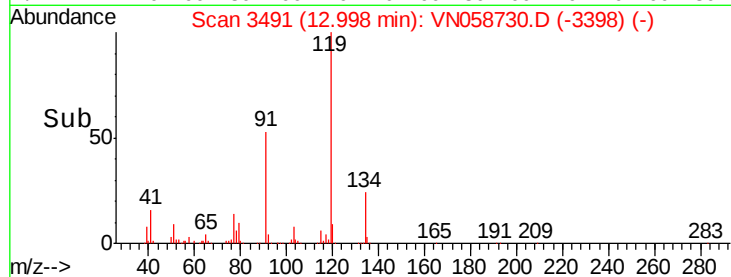
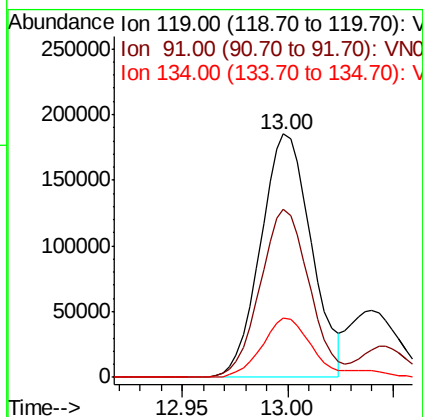
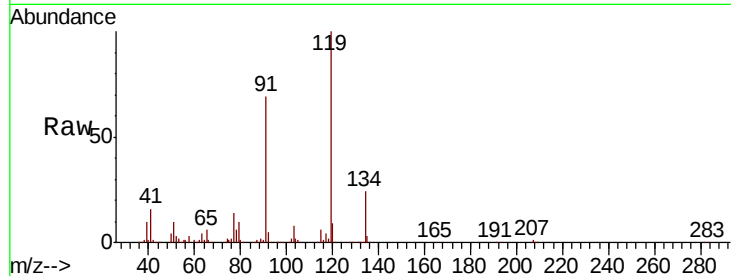




#83
tert-Butylbenzene
Concen: 20.493 ug/l
RT: 13.00 min Scan# 3491
Delta R.T. 0.00 min
Lab File: VN058730.D
Acq: 12 Oct 2019 2:39

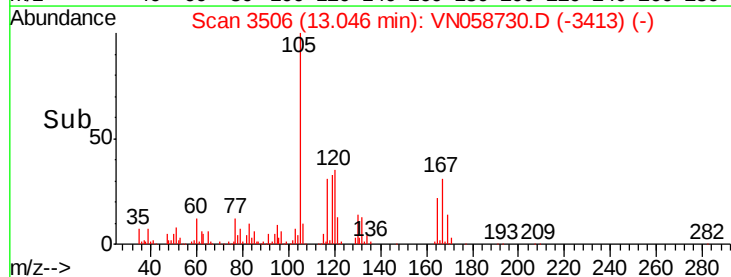
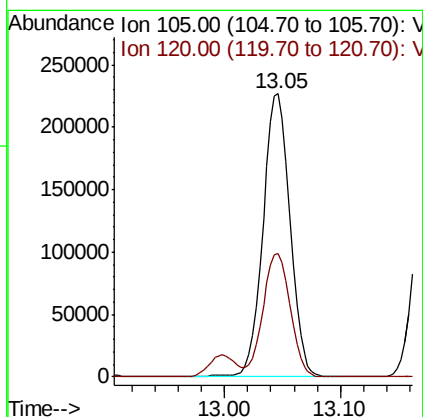
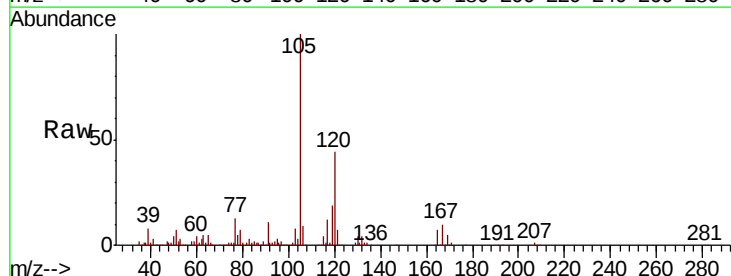
Instrument :
MSVOA_N
ClientSampleId :
VN1013WBSD02

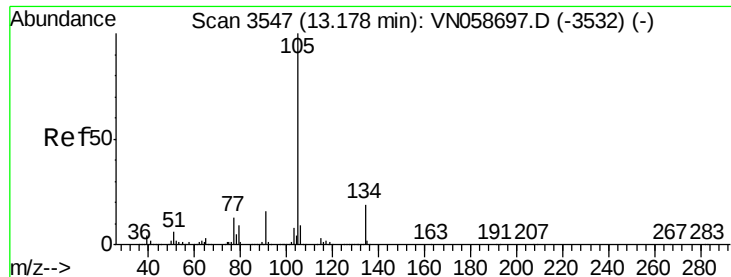
Tot Ion:119 Resp: 309557
Ion Ratio Lower Upper
119 100
91 67.0 33.8 101.3
134 25.6 12.6 37.6



#84
1,2,4-Trimethylbenzene
Concen: 20.978 ug/l
RT: 13.05 min Scan# 3506
Delta R.T. 0.00 min
Lab File: VN058730.D
Acq: 12 Oct 2019 2:39

Tgt Ion:105 Resp: 367212
Ion Ratio Lower Upper
105 100
120 43.9 21.9 65.7





#85

sec-Butylbenzene

Concen: 20.587 ug/l

RT: 13.18 min Scan# 3547

Delta R.T. 0.00 min

Lab File: VN058730.D

Acq: 12 Oct 2019 2:39

Instrument :

MSVOA_N

ClientSampleId :

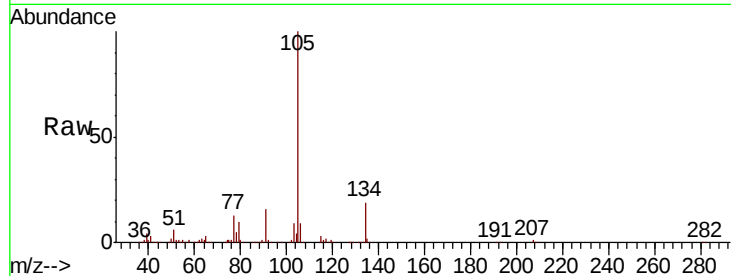
VN1013WBSD02

Tot Ion:105 Resp: 409758

Ion Ratio Lower Upper

105 100

134 19.0 9.7 29.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.18

250000

200000

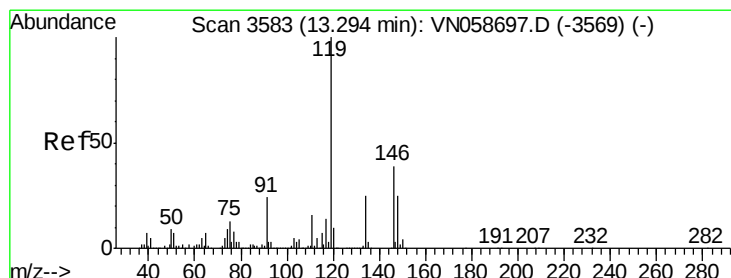
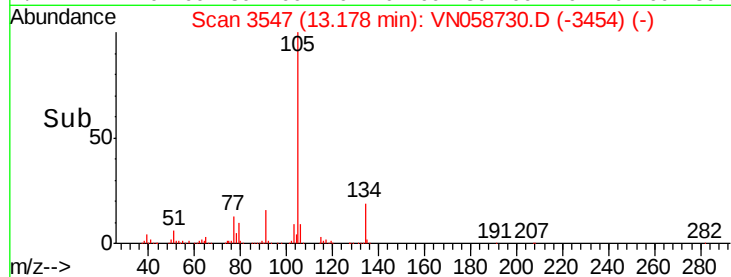
150000

100000

50000

0

Time-->



#86

p-Isopropyltoluene

Concen: 20.451 ug/l

RT: 13.29 min Scan# 3583

Delta R.T. 0.00 min

Lab File: VN058730.D

Acq: 12 Oct 2019 2:39

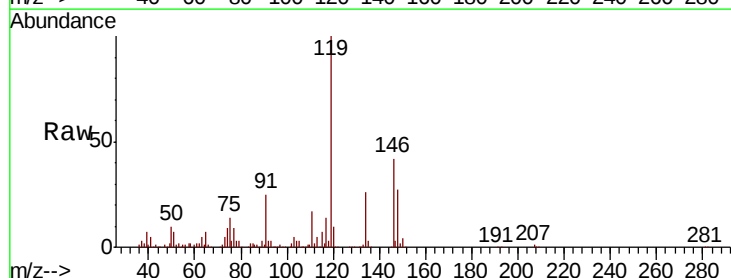
Tgt Ion:119 Resp: 369951

Ion Ratio Lower Upper

119 100

134 25.7 12.7 38.1

91 25.1 11.9 35.5



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.29

250000

200000

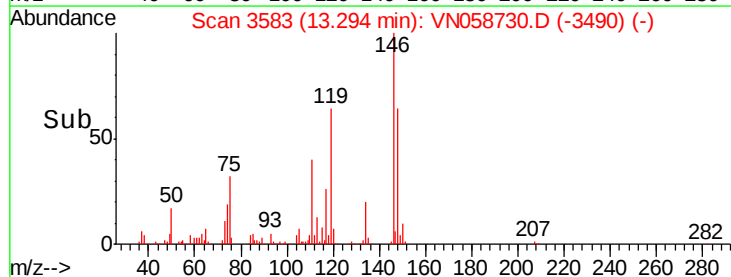
150000

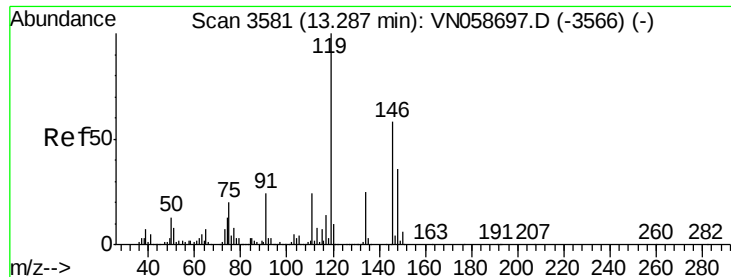
100000

50000

0

Time-->





#87

1,3-Dichlorobenzene

Concen: 20.114 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN058730.D

Acq: 12 Oct 2019 2:39

Instrument :

MSVOA_N

ClientSampleId :

VN1013WBSD02

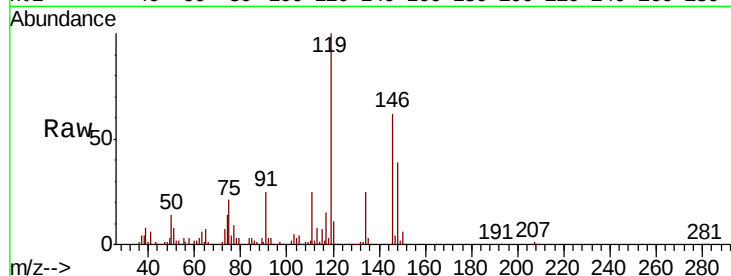
Tot Ion:146 Resp: 186343

Ion Ratio Lower Upper

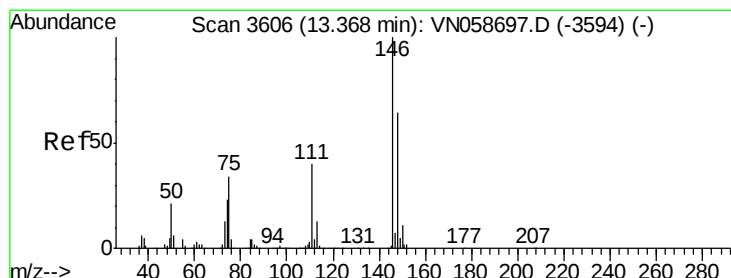
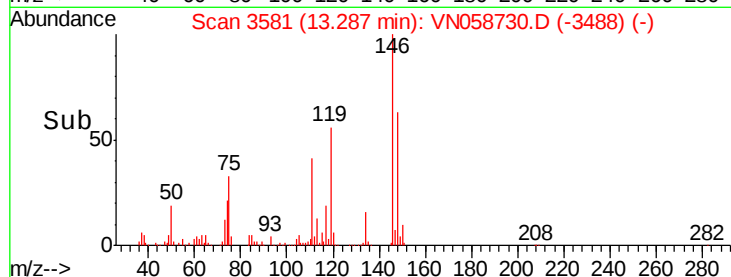
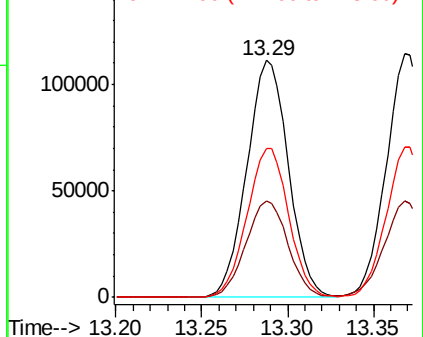
146 100

111 41.2 20.5 61.6

148 63.0 31.3 93.9



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



#88

1,4-Dichlorobenzene

Concen: 19.728 ug/l

RT: 13.37 min Scan# 3606

Delta R.T. 0.00 min

Lab File: VN058730.D

Acq: 12 Oct 2019 2:39

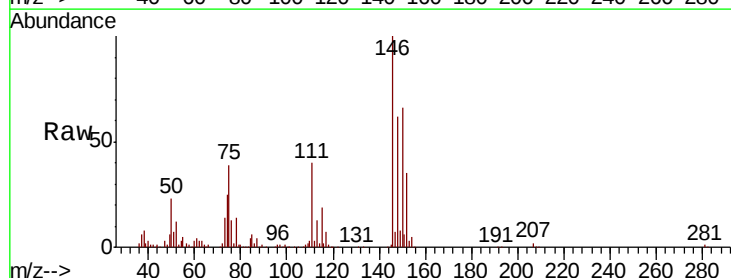
Tgt Ion:146 Resp: 185825

Ion Ratio Lower Upper

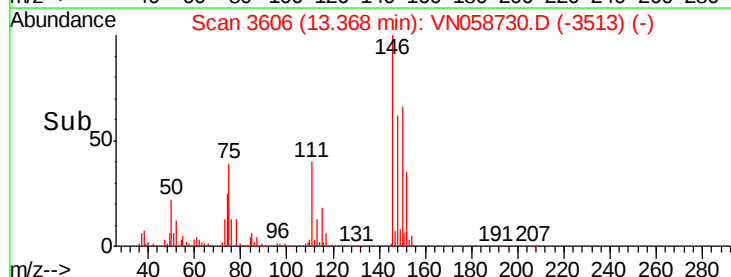
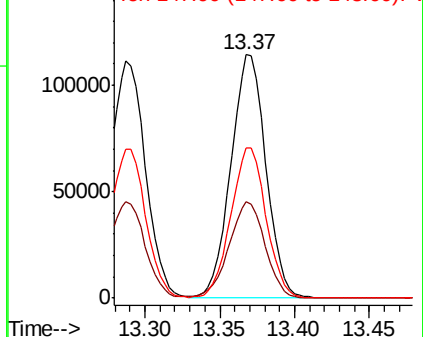
146 100

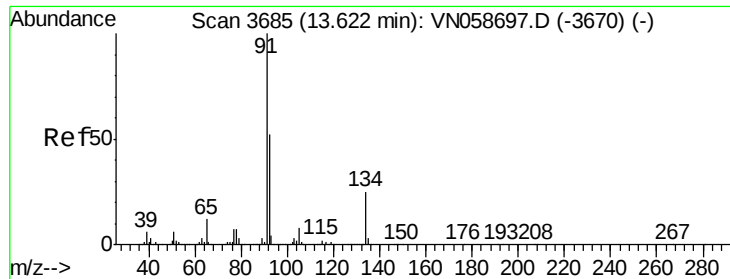
111 41.0 20.1 60.2

148 62.1 31.9 95.7



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





#89

n-Butylbenzene

Concen: 19.176 ug/l

RT: 13.62 min Scan# 3685

Delta R.T. 0.00 min

Lab File: VN058730.D

Acq: 12 Oct 2019 2:39

Instrument :

MSVOA_N

ClientSampled :

VN1013WBSD02

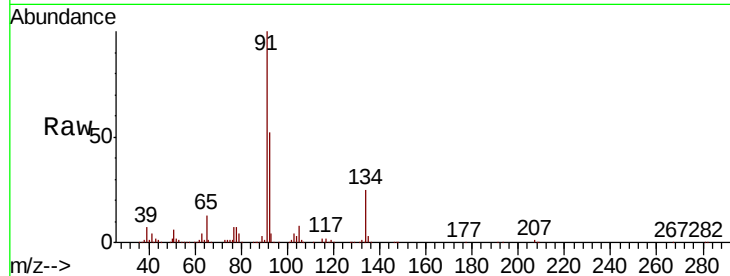
Tot Ion: 91 Resp: 320749

Ion Ratio Lower Upper

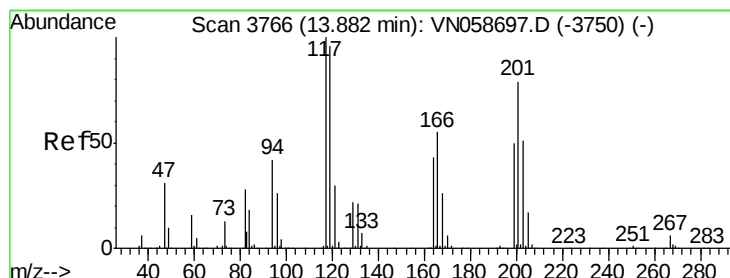
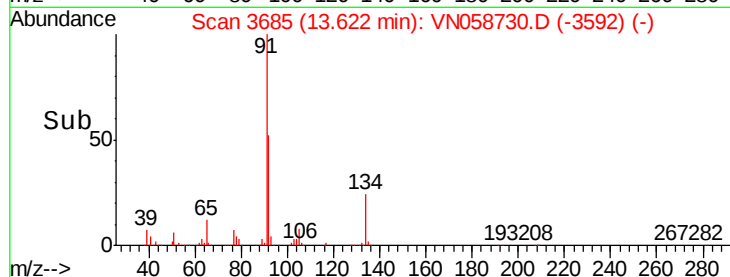
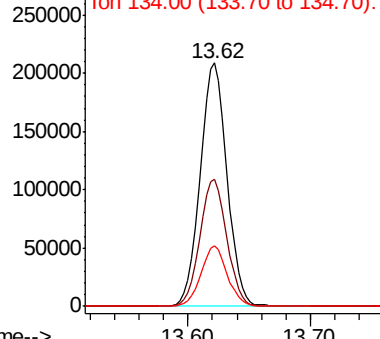
91 100

92 52.3 26.0 78.0

134 24.1 12.2 36.6



Abundance Ion 91.00 (90.70 to 91.70): VN058697.D (-3670) (-)



#90

Hexachloroethane

Concen: 20.688 ug/l

RT: 13.88 min Scan# 3766

Delta R.T. 0.00 min

Lab File: VN058730.D

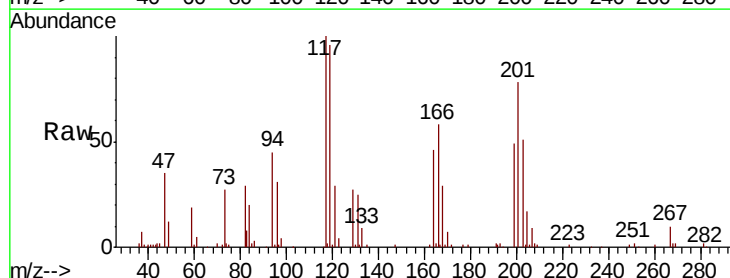
Acq: 12 Oct 2019 2:39

Tgt Ion: 117 Resp: 66963

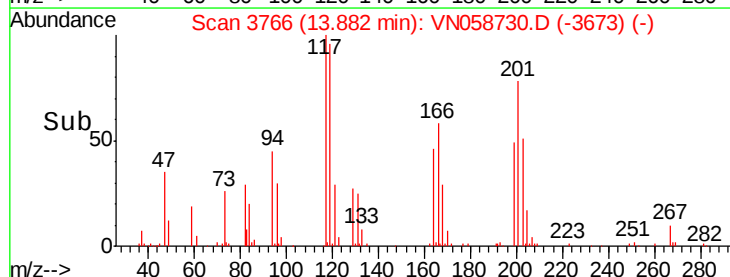
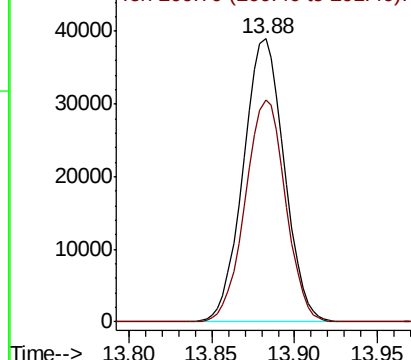
Ion Ratio Lower Upper

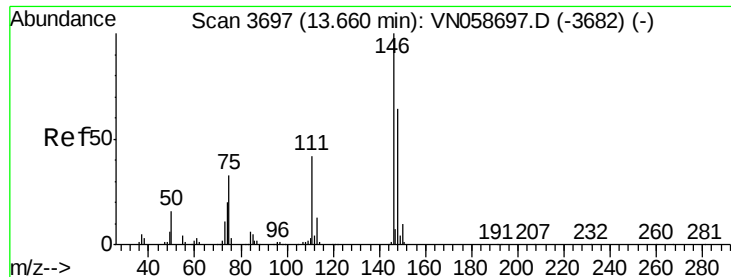
117 100

201 77.1 39.6 118.7



Abundance Ion 116.80 (116.50 to 117.50): VN058697.D (-3750) (-)





#91

1,2-Dichlorobenzene

Concen: 20.512 ug/l

RT: 13.66 min Scan# 3697

Delta R.T. 0.00 min

Lab File: VN058730.D

Acq: 12 Oct 2019 2:39

Instrument :

MSVOA_N

ClientSampleId :

VN1013WBSD02

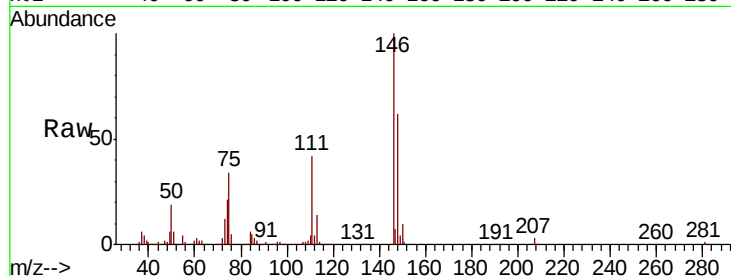
Tot Ion:146 Resp: 185209

Ion Ratio Lower Upper

146 100

111 42.5 21.1 63.4

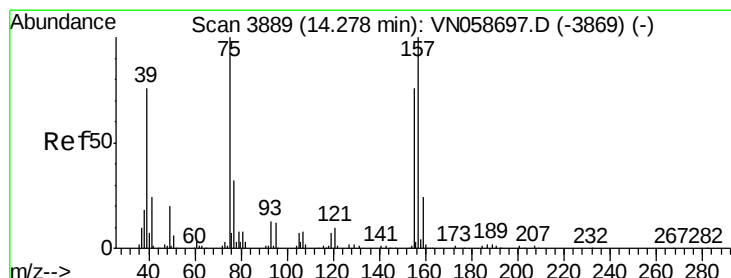
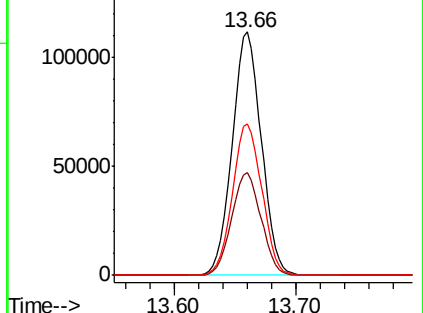
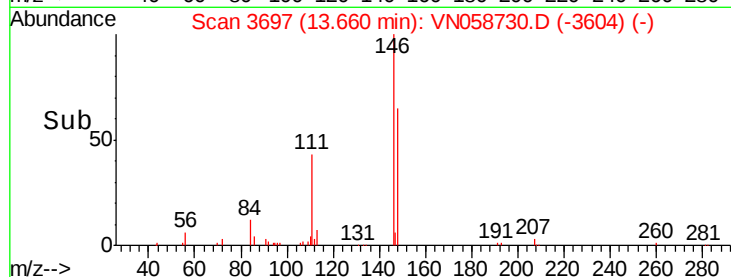
148 62.7 31.8 95.3



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 19.058 ug/l

RT: 14.28 min Scan# 3889

Delta R.T. 0.00 min

Lab File: VN058730.D

Acq: 12 Oct 2019 2:39

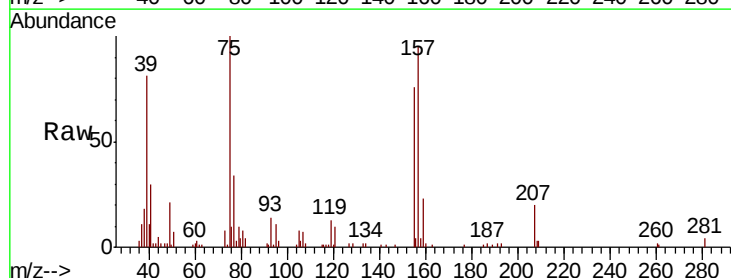
Tgt Ion: 75 Resp: 30293

Ion Ratio Lower Upper

75 100

155 73.2 37.9 113.6

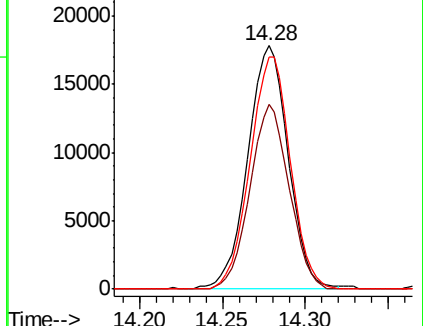
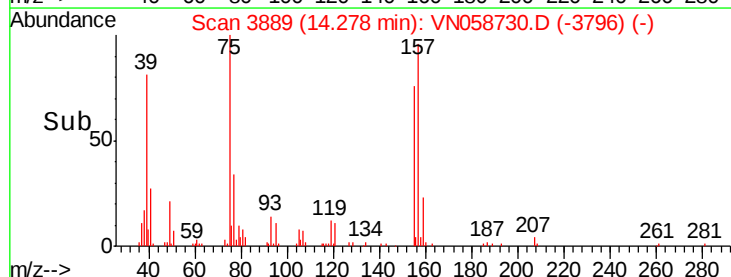
157 95.0 49.4 148.2

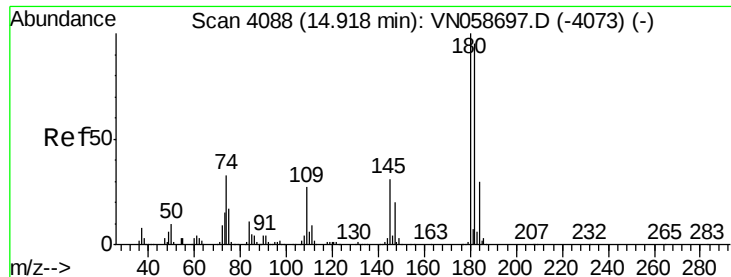


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

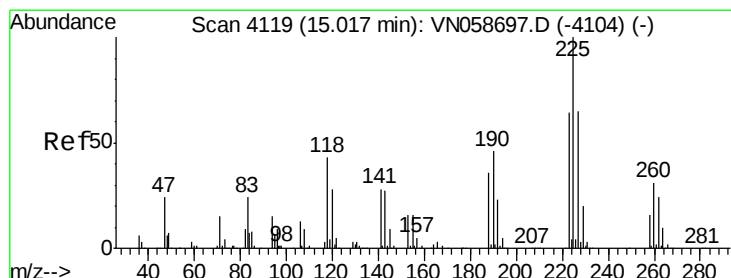
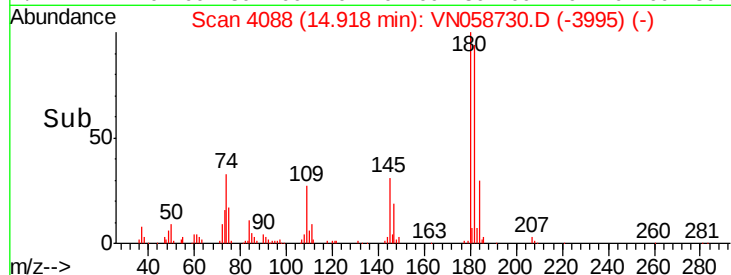
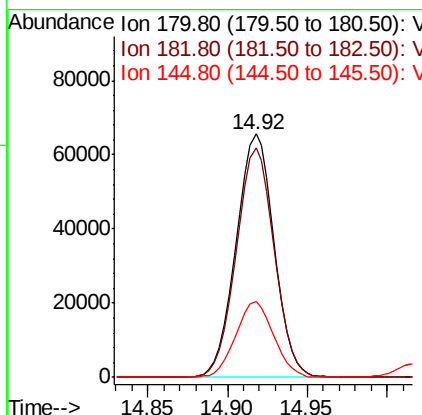
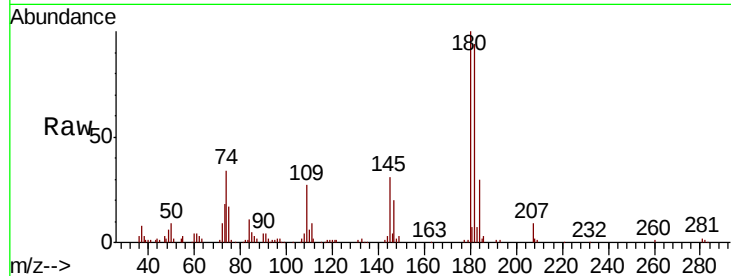




#93
 1,2,4-Trichlorobenzene
 Concen: 19.188 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN058730.D
 Acq: 12 Oct 2019 2:39

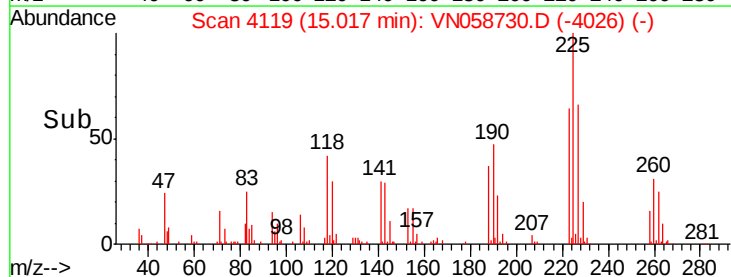
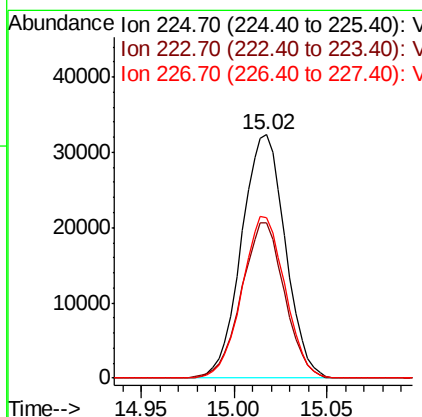
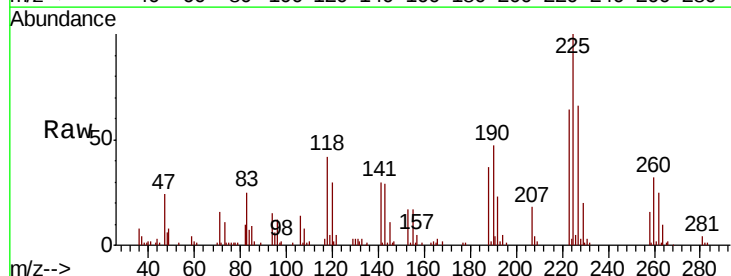
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1013WBSD02

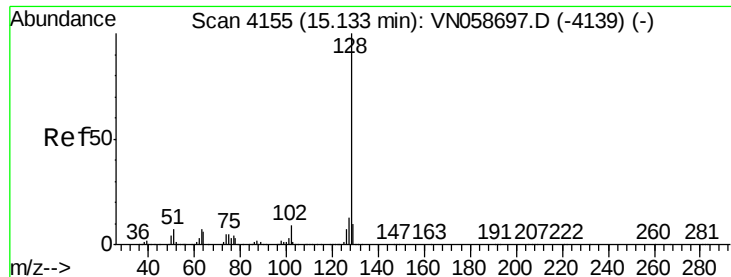
Tot Ion	Ratio	Lower	Upper
180	100		
182	94.5	47.4	142.2
145	31.1	15.4	46.2



#94
 Hexachlorobutadiene
 Concen: 18.292 ug/l
 RT: 15.02 min Scan# 4119
 Delta R.T. 0.00 min
 Lab File: VN058730.D
 Acq: 12 Oct 2019 2:39

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.0	32.3	96.8
227	65.4	32.4	97.0

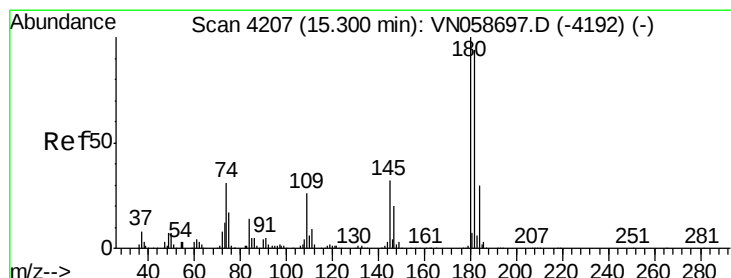
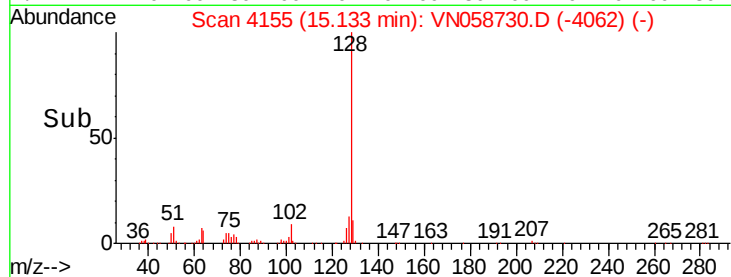
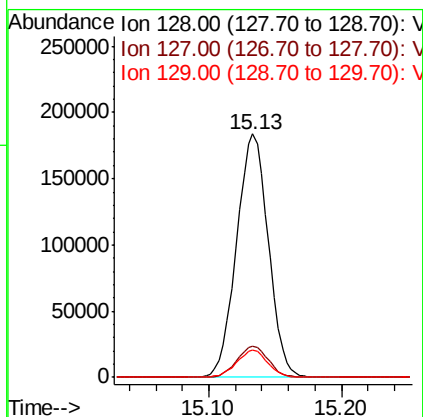
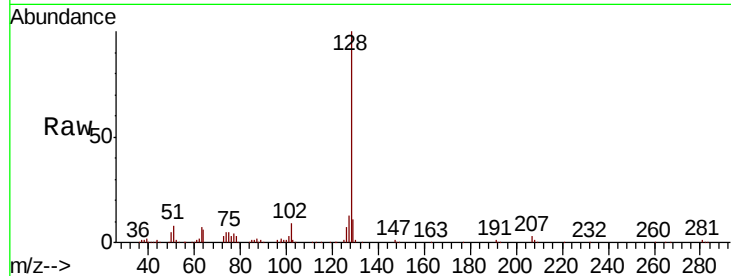




#95
Naphthalene
Concen: 19.328 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN058730.D
Acq: 12 Oct 2019 2:39

Instrument :
MSVOA_N
ClientSampleId :
VN1013WBSD02

Tot Ion:128 Resp: 305969
Ion Ratio Lower Upper
128 100
127 12.7 10.2 15.4
129 10.9 8.5 12.7



#96
1,2,3-Trichlorobenzene
Concen: 19.203 ug/l
RT: 15.30 min Scan# 4207
Delta R.T. 0.00 min
Lab File: VN058730.D
Acq: 12 Oct 2019 2:39

Tgt Ion:180 Resp: 103267
Ion Ratio Lower Upper
180 100
182 95.0 47.3 142.0
145 33.2 16.2 48.6

