

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN091619\
 Data File : VN058130.D
 Acq On : 16 Sep 2019 19:25
 Operator : JC/SP
 Sample : K4871-02MS
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VE-4-11MS

Quant Time: Sep 17 03:54:57 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091019W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 10 03:02:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	319449	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	520045	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	502788	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	310964	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	341718	52.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.62%	
35) Dibromofluoromethane	7.58	113	251114	52.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.64%	
50) Toluene-d8	10.08	98	972539	52.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.38%	
62) 4-Bromofluorobenzene	12.40	95	363132	51.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.26%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	222154	50.285	ug/l	97
3) Chloromethane	2.04	50	190658	42.343	ug/l	100
4) Vinyl Chloride	2.17	62	198455	41.644	ug/l	99
5) Bromomethane	2.54	94	105400	39.942	ug/l	100
6) Chloroethane	2.68	64	129984	42.805	ug/l	98
7) Trichlorofluoromethane	3.00	101	277444	46.262	ug/l	100
8) Diethyl Ether	3.39	74	132288	52.887	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.74	101	199731	52.794	ug/l	99
10) Methyl Iodide	3.93	142	207140	49.202	ug/l	99
11) Tert butyl alcohol	4.76	59	204689	261.383	ug/l	99
12) 1,1-Dichloroethene	3.72	96	166883	49.061	ug/l	98
13) Acrolein	3.59	56	42762	64.364	ug/l	100
14) Allyl chloride	4.30	41	330495	49.647	ug/l	99
15) Acrylonitrile	4.96	53	612985	284.788	ug/l	99
16) Acetone	3.79	43	549392	259.019	ug/l	97
17) Carbon Disulfide	4.03	76	228528	43.188	ug/l	99
18) Methyl Acetate	4.30	43	333633	58.994	ug/l	99
19) Methyl tert-butyl Ether	5.02	73	802887	56.717	ug/l	98
20) Methylene Chloride	4.53	84	230807	57.341	ug/l	99
21) trans-1,2-Dichloroethene	5.02	96	186689	50.771	ug/l	99
22) Diisopropyl ether	5.93	45	878662	56.285	ug/l	100
23) Vinyl Acetate	5.87	43	3149181	284.645	ug/l	99
24) 1,1-Dichloroethane	5.83	63	461373	54.077	ug/l	99
25) 2-Butanone	6.81	43	847167	275.959	ug/l	99
26) 2,2-Dichloropropane	6.81	77	292984	43.393	ug/l	100
27) cis-1,2-Dichloroethene	6.81	96	261823	53.132	ug/l	99
28) Bromochloromethane	7.17	49	228842	53.689	ug/l	98
29) Tetrahydrofuran	7.19	42	538563	284.700	ug/l	99
30) Chloroform	7.36	83	487729	54.673	ug/l	100
31) Cyclohexane	7.64	56	306293	52.807	ug/l	99
32) 1,1,1-Trichloroethane	7.55	97	382533	54.068	ug/l	100
36) 1,1-Dichloropropene	7.78	75	301352	49.966	ug/l	99
37) Ethyl Acetate	6.91	43	337453	54.155	ug/l	100
38) Carbon Tetrachloride	7.76	117	305208	55.428	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	297544	46.930	ug/l	96
40) Benzene	8.03	78	959202	52.826	ug/l	99
41) Methacrylonitrile	7.16	41	169309	59.856	ug/l	95
42) 1,2-Dichloroethane	8.11	62	402758	55.462	ug/l	100
43) Isopropyl Acetate	8.15	43	633897	60.492	ug/l	98
44) Trichloroethene	8.82	130	231067	51.884	ug/l	98
45) 1,2-Dichloropropane	9.11	63	292479	55.356	ug/l	99
46) Dibromomethane	9.20	93	181428	56.824	ug/l	99
47) Bromodichloromethane	9.40	83	374056	58.669	ug/l	98
48) Methyl methacrylate	9.19	41	294053	55.318	ug/l	99
49) 1,4-Dioxane	9.19	88	84567	940.761	ug/l	97
51) 4-Methyl-2-Pentanone	9.98	43	1891469	305.019	ug/l	100
52) Toluene	10.15	92	602959	52.723	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	386050	57.500	ug/l	100
54) cis-1,3-Dichloropropene	9.83	75	408854	55.156	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	280491	57.901	ug/l	99
56) Ethyl methacrylate	10.43	69	420857	57.691	ug/l	99
57) 1,3-Dichloropropane	10.71	76	469925	56.288	ug/l	99
59) 2-Hexanone	10.75	43	1375572	295.949	ug/l	100
60) Dibromochloromethane	10.90	129	271804	60.422	ug/l	100
61) 1,2-Dibromoethane	11.00	107	264745	57.807	ug/l	98
64) Tetrachloroethene	10.63	164	182781	49.236	ug/l	99
65) Chlorobenzene	11.43	112	700110	53.207	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	265124	58.067	ug/l	99
67) Ethyl Benzene	11.51	91	1255523	54.445	ug/l	99
68) m/p-Xylenes	11.62	106	919166	108.815	ug/l	100
69) o-Xylene	11.95	106	462425	55.066	ug/l	99
70) Styrene	11.97	104	801109	55.432	ug/l	99
71) Bromoform	12.13	173	172689	60.664	ug/l #	98
73) Isopropylbenzene	12.25	105	1282314	53.142	ug/l	100
74) N-amyl acetate	12.07	43	583253	55.541	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	432729	53.262	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	518555	73.716	ug/l #	100
77) Bromobenzene	12.53	156	304525	50.619	ug/l	99
78) n-propylbenzene	12.59	91	1505677	54.340	ug/l	99
79) 2-Chlorotoluene	12.68	91	906022	51.735	ug/l	99
80) 1,3,5-Trimethylbenzene	12.74	105	1108386	54.364	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	104505	52.278	ug/l	96
82) 4-Chlorotoluene	12.78	91	955131	53.110	ug/l	100
83) tert-Butylbenzene	13.00	119	963908	53.186	ug/l	98
84) 1,2,4-Trimethylbenzene	13.05	105	1130309	54.547	ug/l	99
85) sec-Butylbenzene	13.18	105	1309390	54.510	ug/l	100
86) p-Isopropyltoluene	13.29	119	1162234	54.913	ug/l	99
87) 1,3-Dichlorobenzene	13.29	146	586504	53.113	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	587238	52.391	ug/l	100
89) n-Butylbenzene	13.62	91	1064688	53.268	ug/l	100
90) Hexachloroethane	13.88	117	178475	56.701	ug/l	100
91) 1,2-Dichlorobenzene	13.66	146	588948	53.386	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.28	75	81881	61.027	ug/l	99
93) 1,2,4-Trichlorobenzene	14.92	180	374303	51.909	ug/l	99

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Quant Title : SW846 8260
QLast Update : Tue Sep 10 03:02:13 2019
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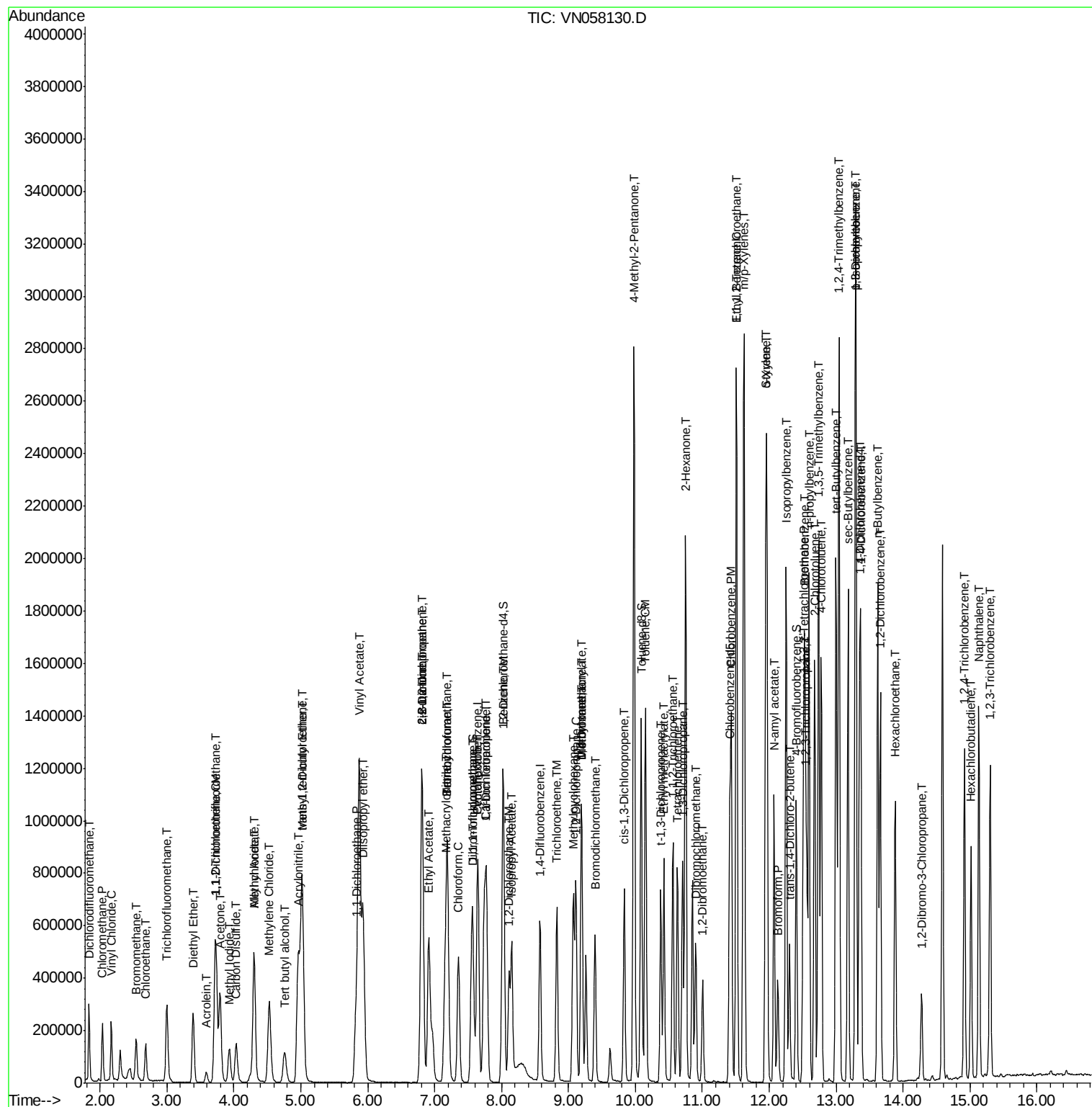
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	15.02	225	157898	51.657	ug/l	99
95) Naphthalene	15.13	128	1100590	60.798	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	357223	56.613	ug/l	98

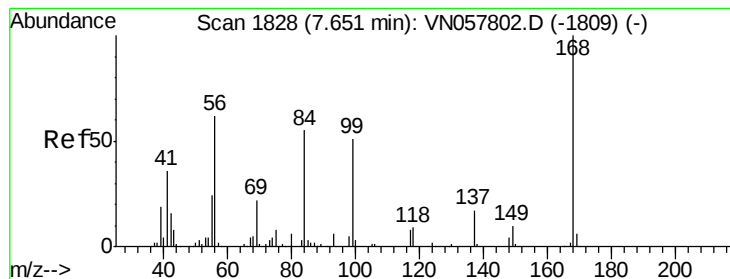
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Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_N\DATA\VN091619\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN058130.D

Acq: 16 Sep 2019 19:25

Instrument :

MSVOA_N

ClientSampled :

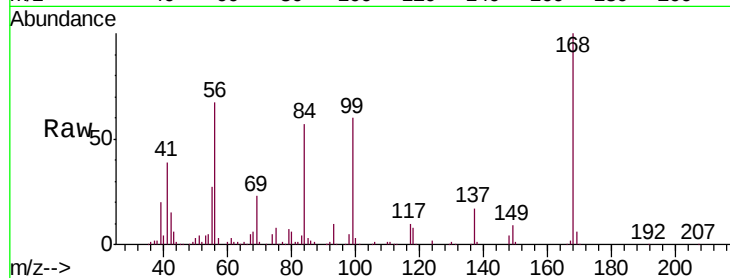
VE-4-11MS

Tgt Ion:168 Resp: 319449

Ion Ratio Lower Upper

168 100

99 59.8 48.0 72.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.65

150000

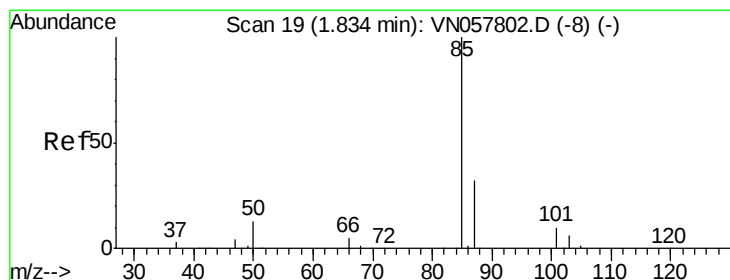
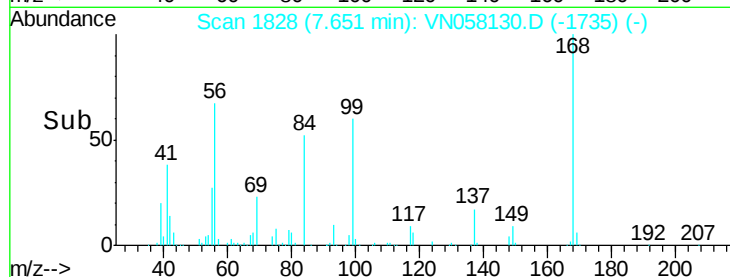
100000

50000

0

7.55 7.60 7.65 7.70 7.75

Time-->



#2

Dichlorodifluoromethane

Concen: 50.285 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN058130.D

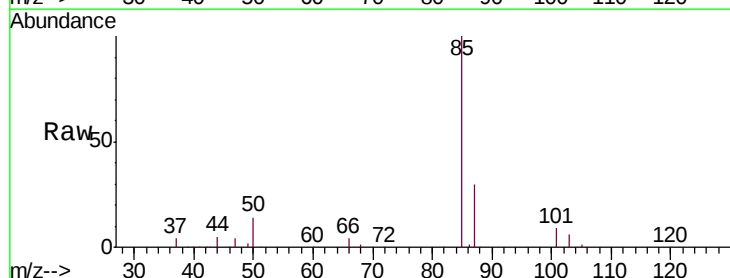
Acq: 16 Sep 2019 19:25

Tgt Ion: 85 Resp: 222154

Ion Ratio Lower Upper

85 100

87 30.5 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

150000

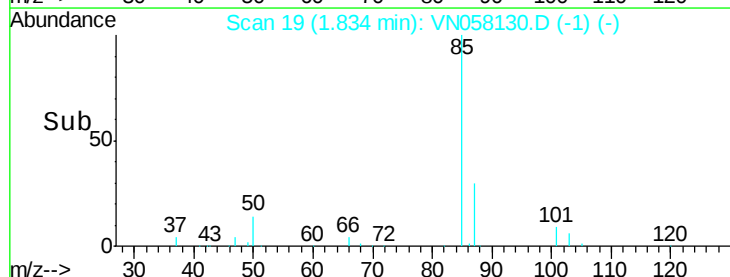
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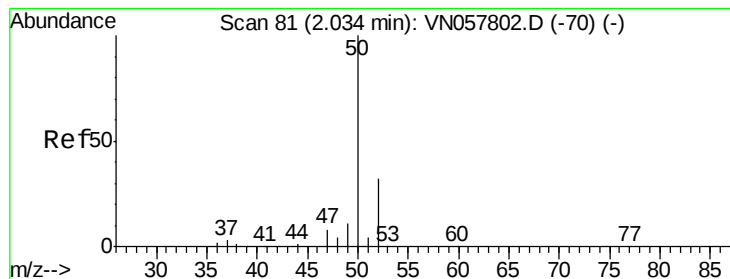
50000

0

1.80 1.90

Time-->





#3

Chloromethane

Concen: 42.343 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN058130.D

Acq: 16 Sep 2019 19:25

Instrument :

MSVOA_N

ClientSampleId :

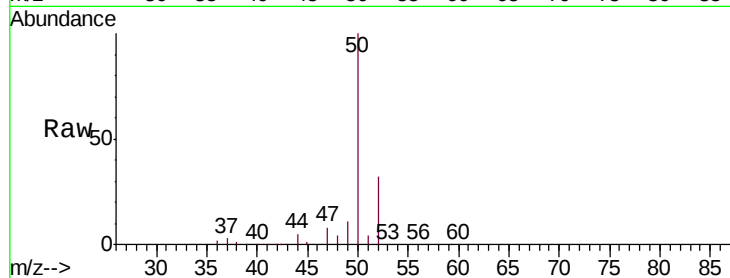
VE-4-11MS

Tgt Ion: 50 Resp: 190658

Ion Ratio Lower Upper

50 100

52 31.6 25.5 38.3



Abundance Ion 49.90 (49.60 to 50.60): VN058130.D (-1) (-)

Ion 51.90 (51.60 to 52.60): VN058130.D (-1) (-)

2.04

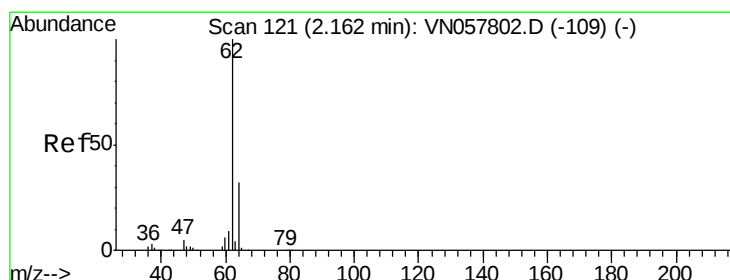
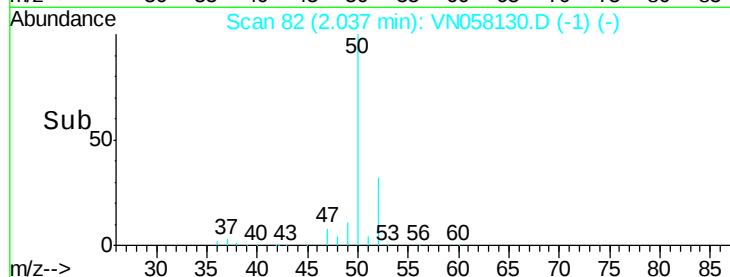
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 41.644 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.01 min

Lab File: VN058130.D

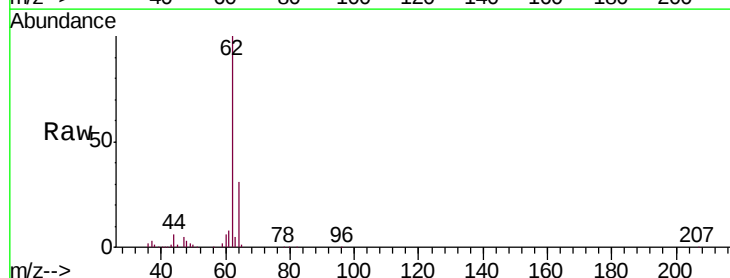
Acq: 16 Sep 2019 19:25

Tgt Ion: 62 Resp: 198455

Ion Ratio Lower Upper

62 100

64 31.3 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VN058130.D (-28) (-)

Ion 63.90 (63.60 to 64.60): VN058130.D (-28) (-)

2.17

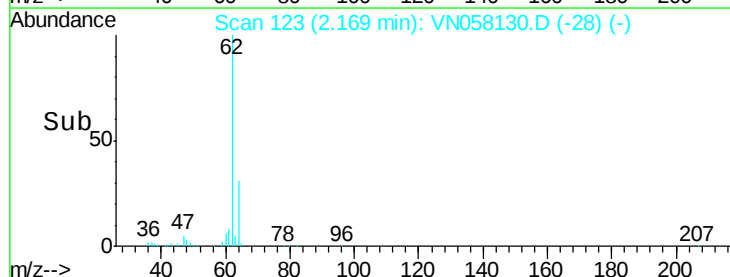
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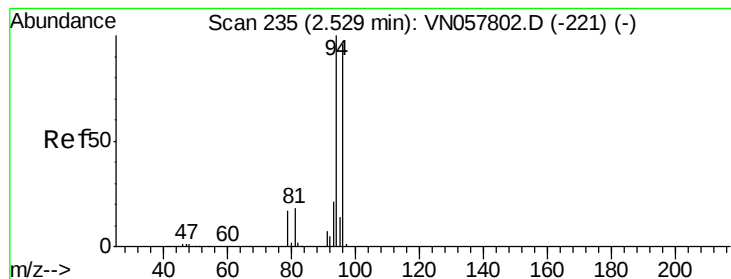
100000

50000

0

Time-->





#5

Bromomethane

Concen: 39.942 ug/l

RT: 2.54 min Scan# 238

Delta R.T. 0.01 min

Lab File: VN058130.D

Acq: 16 Sep 2019 19:25

Instrument :

MSVOA_N

ClientSampleId :

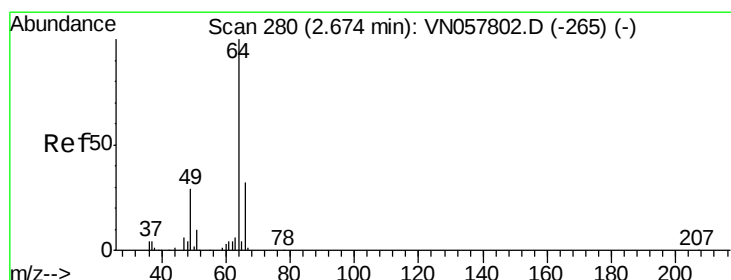
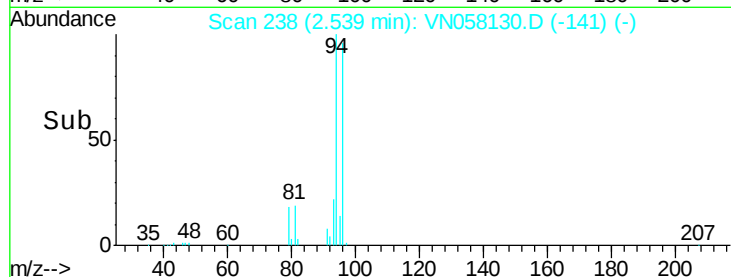
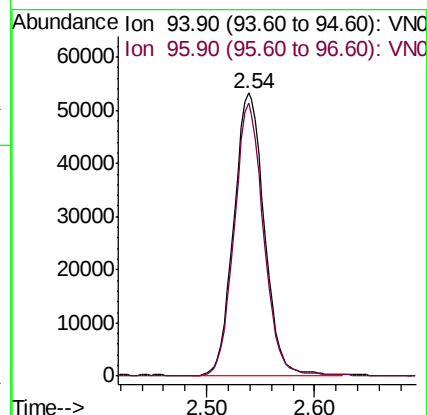
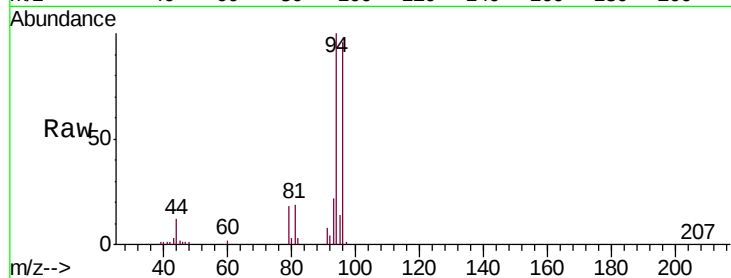
VE-4-11MS

Tgt Ion: 94 Resp: 105400

Ion Ratio Lower Upper

94 100

96 96.4 77.0 115.4



#6

Chloroethane

Concen: 42.805 ug/l

RT: 2.68 min Scan# 282

Delta R.T. 0.01 min

Lab File: VN058130.D

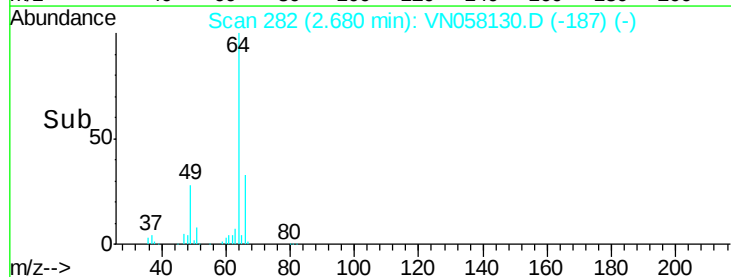
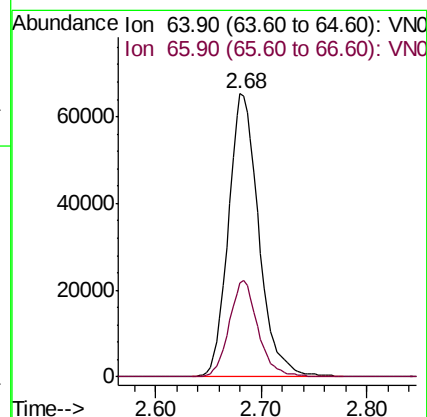
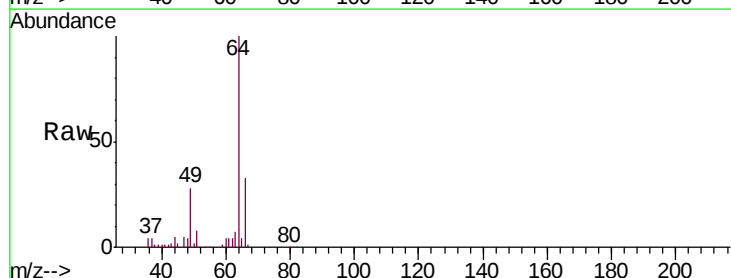
Acq: 16 Sep 2019 19:25

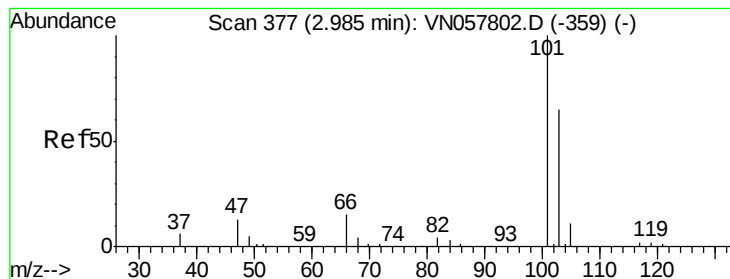
Tgt Ion: 64 Resp: 129984

Ion Ratio Lower Upper

64 100

66 33.0 25.5 38.3



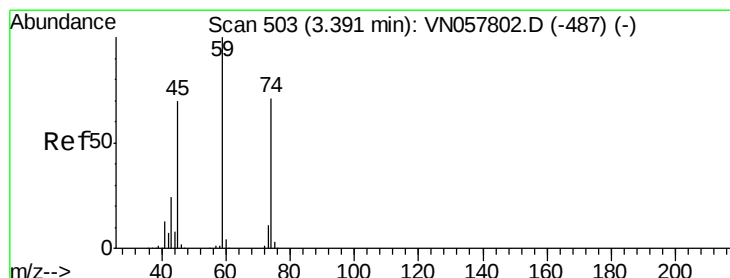
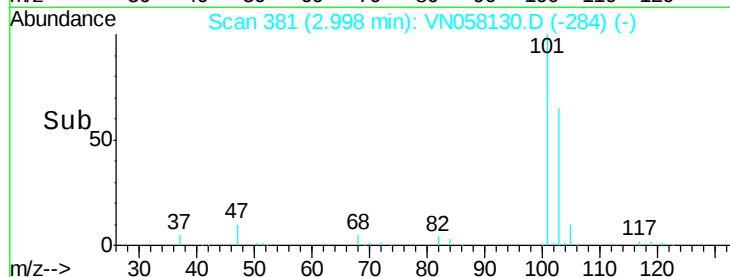
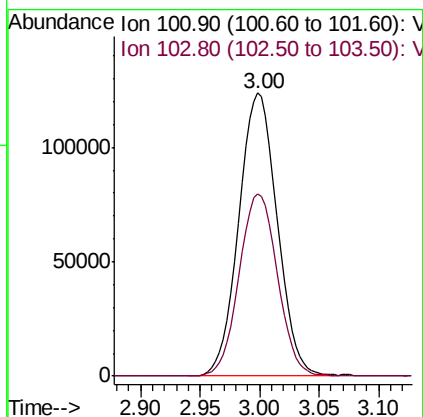
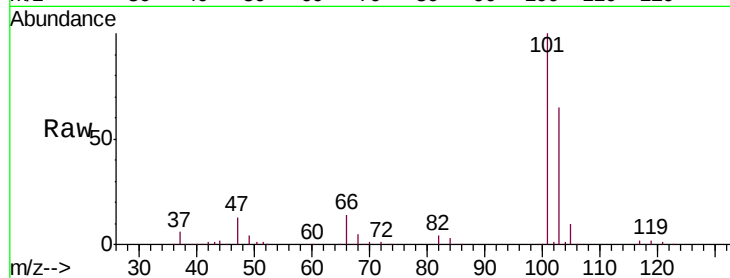


#7

Trichlorofluoromethane
 Concen: 46.262 ug/l
 RT: 3.00 min Scan# 381
 Delta R.T. 0.01 min
 Lab File: VN058130.D
 Acq: 16 Sep 2019 19:25

Instrument :
 MSVOA_N
 ClientSampled :
 VE-4-11MS

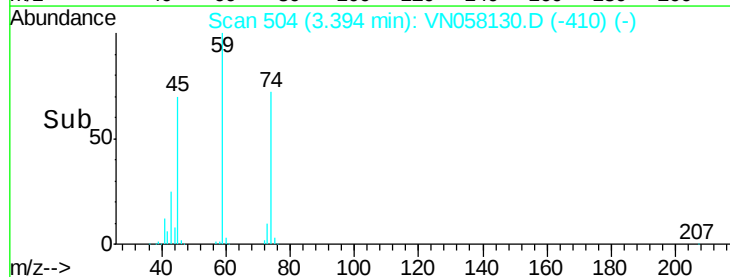
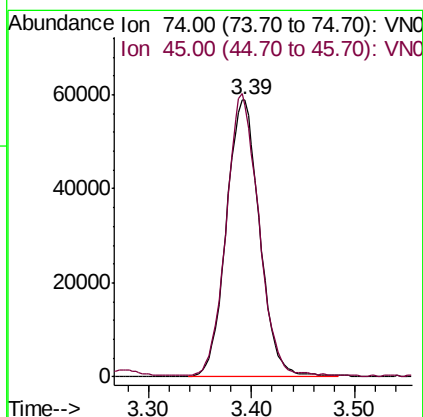
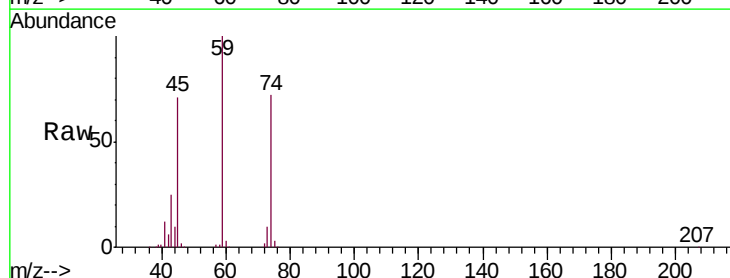
Tgt Ion:101 Resp: 277444
 Ion Ratio Lower Upper
 101 100
 103 64.6 51.9 77.9

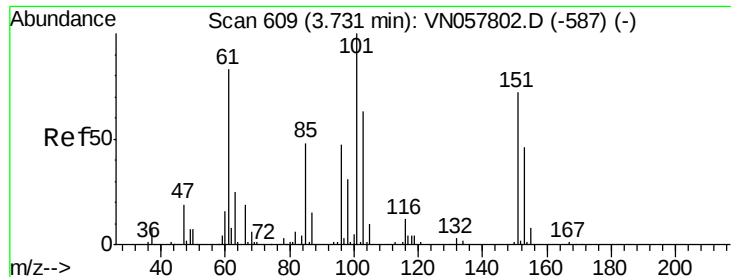


#8

Diethyl Ether
 Concen: 52.887 ug/l
 RT: 3.39 min Scan# 504
 Delta R.T. 0.00 min
 Lab File: VN058130.D
 Acq: 16 Sep 2019 19:25

Tgt Ion: 74 Resp: 132288
 Ion Ratio Lower Upper
 74 100
 45 99.4 50.3 151.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 52.794 ug/l

RT: 3.74 min Scan# 611

Delta R.T. 0.01 min

Lab File: VN058130.D

Acq: 16 Sep 2019 19:25

Instrument :

MSVOA_N

ClientSampleId :

VE-4-11MS

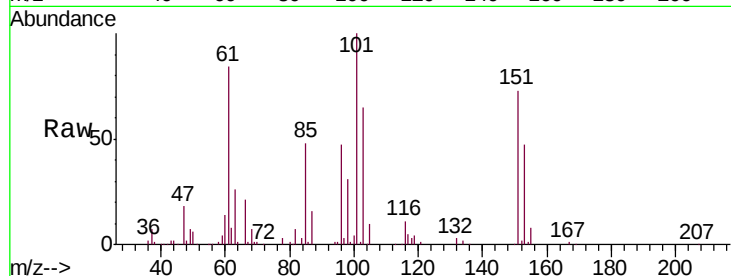
Tgt Ion:101 Resp: 199731

Ion Ratio Lower Upper

101 100

85 46.7 38.1 57.1

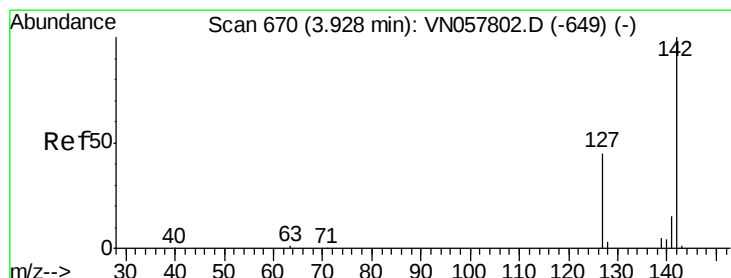
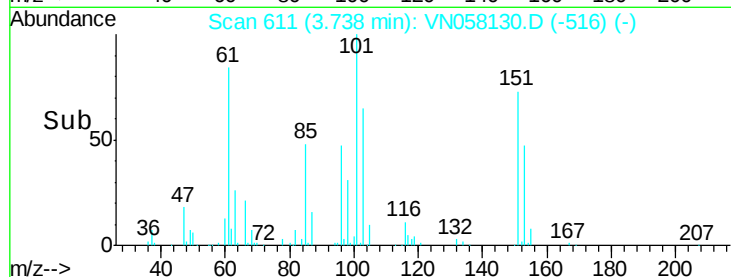
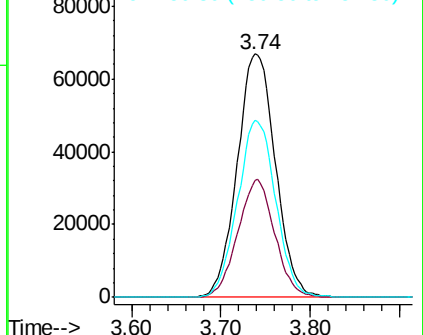
151 72.6 58.4 87.6



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 49.202 ug/l

RT: 3.93 min Scan# 672

Delta R.T. 0.01 min

Lab File: VN058130.D

Acq: 16 Sep 2019 19:25

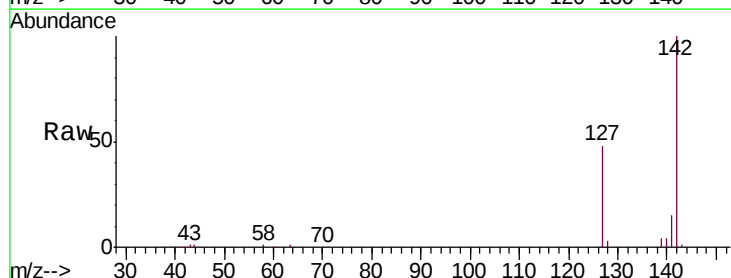
Tgt Ion:142 Resp: 207140

Ion Ratio Lower Upper

142 100

127 46.8 36.7 55.1

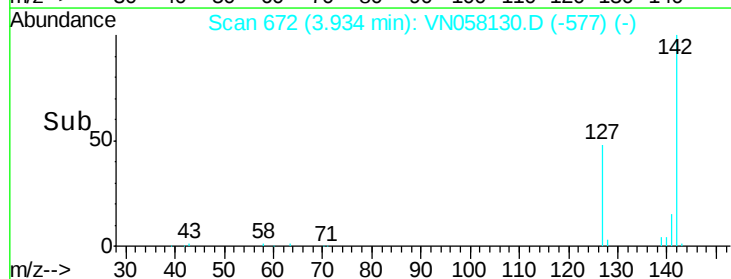
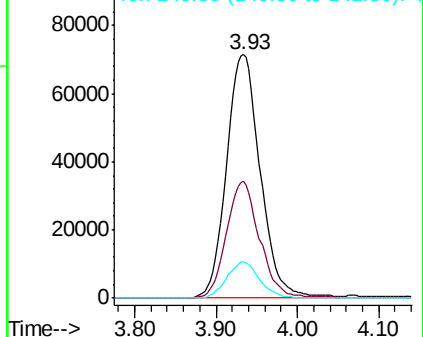
141 14.5 11.4 17.0

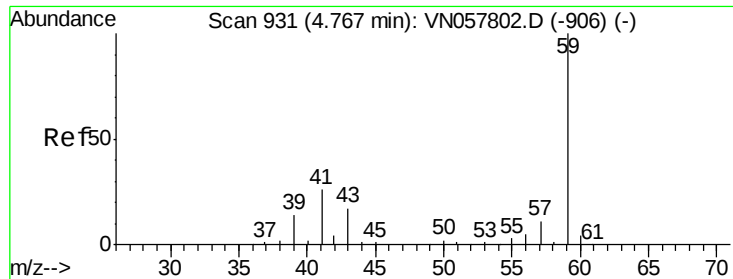


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



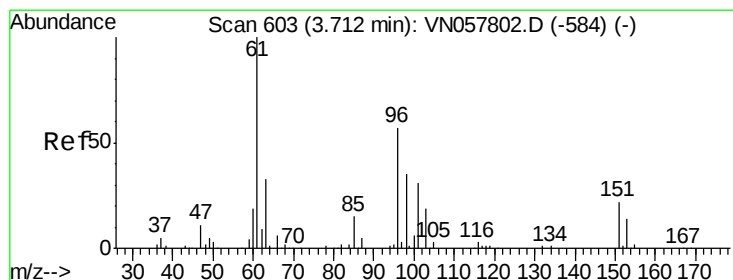
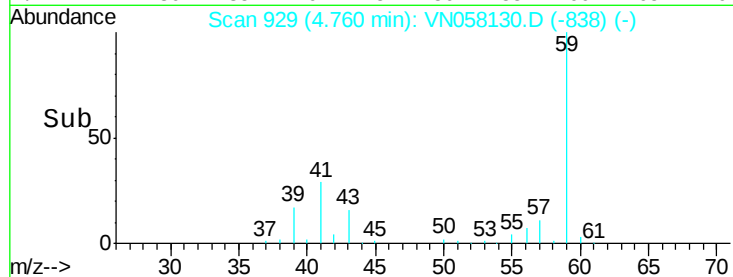
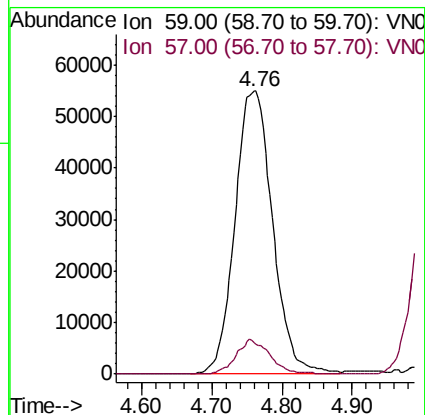
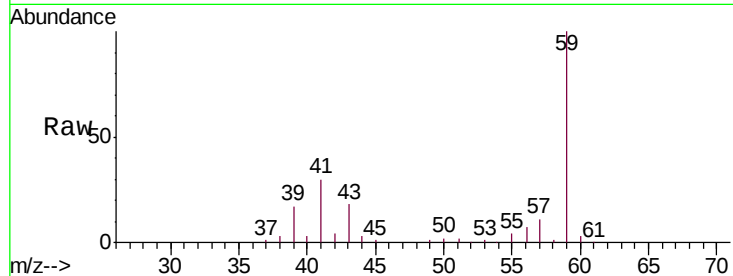


#11

Tert butyl alcohol
Concen: 261.383 ug/l
RT: 4.76 min Scan# 929
Delta R.T. -0.01 min
Lab File: VN058130.D
Acq: 16 Sep 2019 19:25

Instrument :
MSVOA_N
ClientSampled :
VE-4-11MS

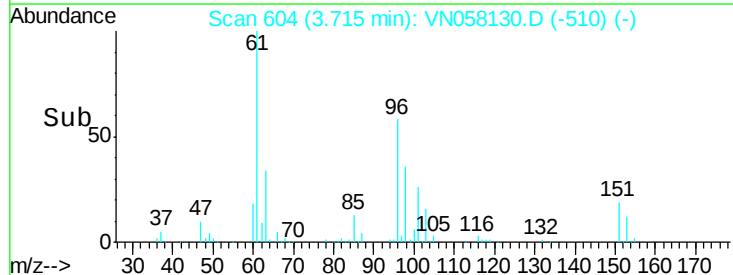
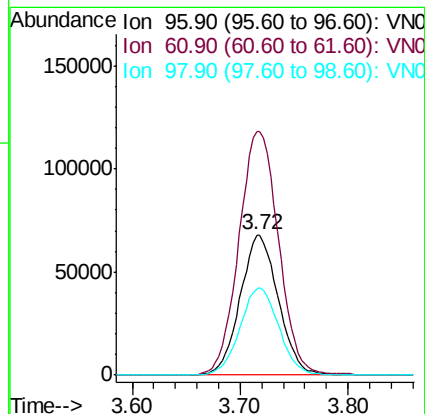
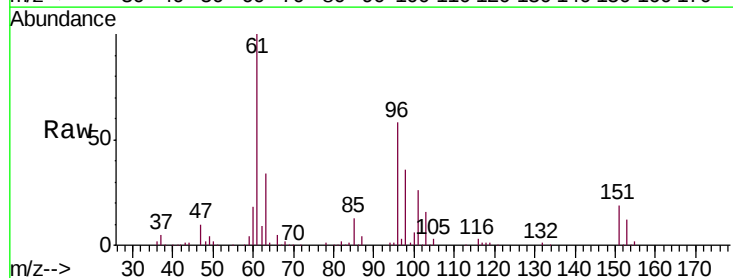
Tgt Ion: 59 Resp: 204689
Ion Ratio Lower Upper
59 100
57 10.9 8.4 12.6

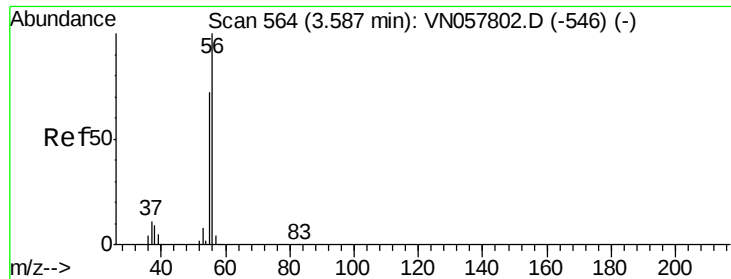


#12

1,1-Dichloroethene
Concen: 49.061 ug/l
RT: 3.72 min Scan# 604
Delta R.T. 0.00 min
Lab File: VN058130.D
Acq: 16 Sep 2019 19:25

Tgt Ion: 96 Resp: 166883
Ion Ratio Lower Upper
96 100
61 173.6 141.2 211.8
98 61.7 49.9 74.9





#13

Acrolein

Concen: 64.364 ug/l

RT: 3.59 min Scan# 564

Delta R.T. 0.00 min

Lab File: VN058130.D

Acq: 16 Sep 2019 19:25

Instrument :

MSVOA_N

ClientSampleId :

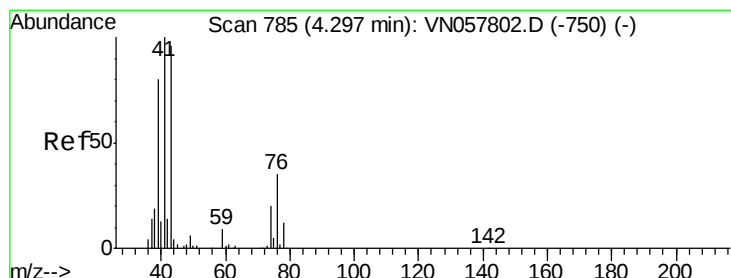
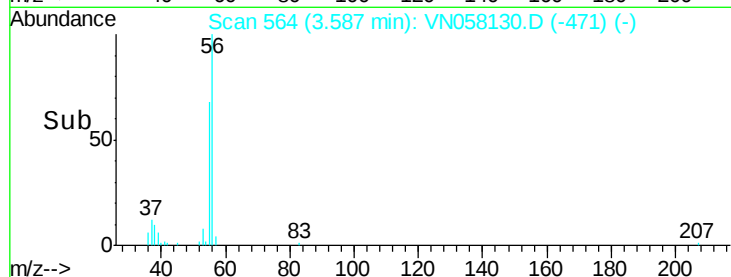
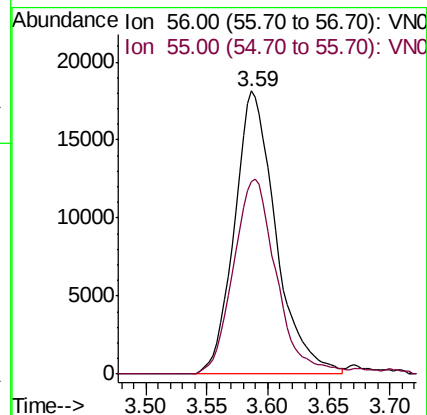
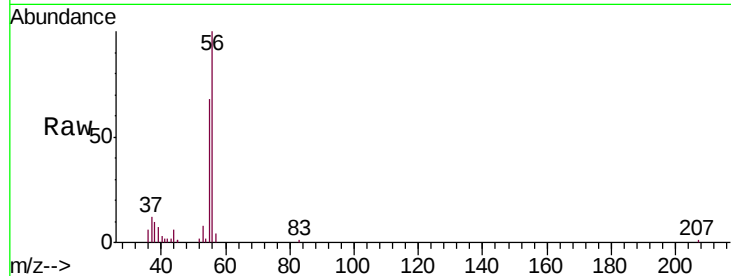
VE-4-11MS

Tgt Ion: 56 Resp: 42762

Ion Ratio Lower Upper

56 100

55 71.3 57.3 85.9



#14

Allyl chloride

Concen: 49.647 ug/l

RT: 4.30 min Scan# 786

Delta R.T. 0.00 min

Lab File: VN058130.D

Acq: 16 Sep 2019 19:25

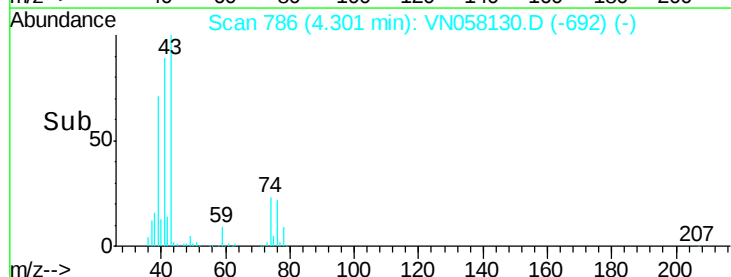
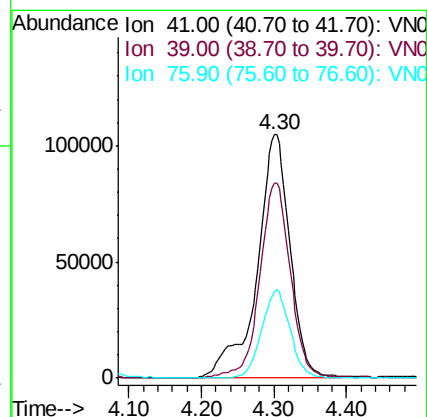
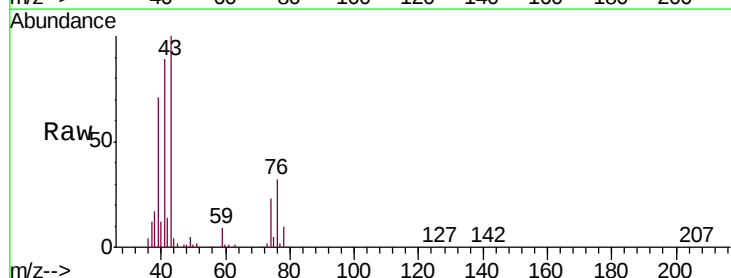
Tgt Ion: 41 Resp: 330495

Ion Ratio Lower Upper

41 100

39 74.4 59.4 89.2

76 31.4 26.0 39.0





#15

Acrylonitrile

Concen: 284.788 ug/l

RT: 4.96 min Scan# 991

Delta R.T. -0.00 min

Lab File: VN058130.D

Acq: 16 Sep 2019 19:25

Instrument :

MSVOA_N

ClientSampleId :

VE-4-11MS

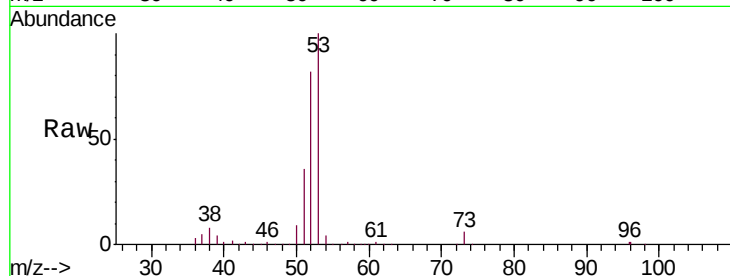
Tgt Ion: 53 Resp: 612985

Ion Ratio Lower Upper

53 100

52 83.4 66.6 100.0

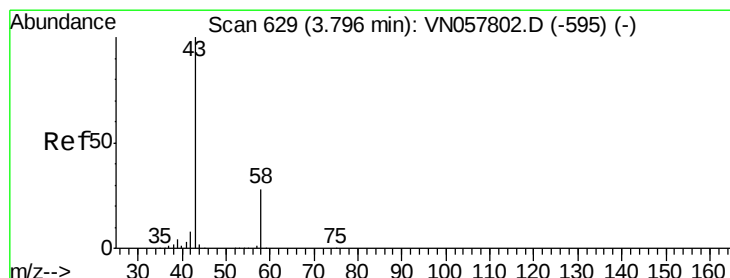
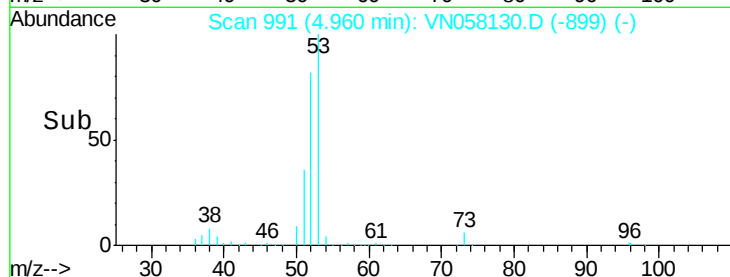
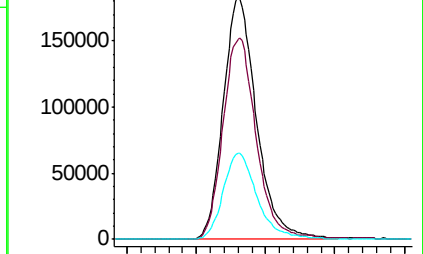
51 36.4 29.8 44.8



Abundance Ion 53.00 (52.70 to 53.70): VN057802.D (-969) (-)

Ion 52.00 (51.70 to 52.70): VN057802.D (-969) (-)

Ion 51.00 (50.70 to 51.70): VN057802.D (-969) (-)



#16

Acetone

Concen: 259.019 ug/l

RT: 3.79 min Scan# 628

Delta R.T. -0.00 min

Lab File: VN058130.D

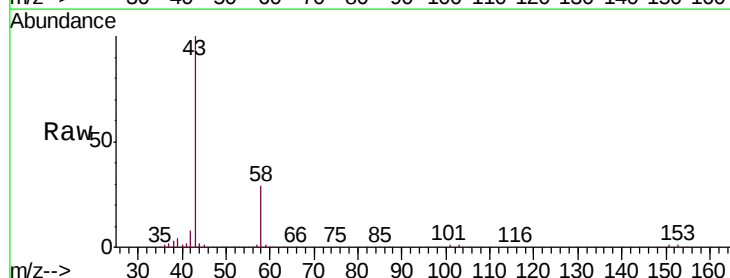
Acq: 16 Sep 2019 19:25

Tgt Ion: 43 Resp: 549392

Ion Ratio Lower Upper

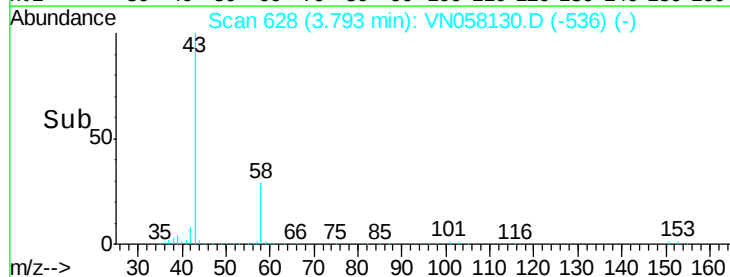
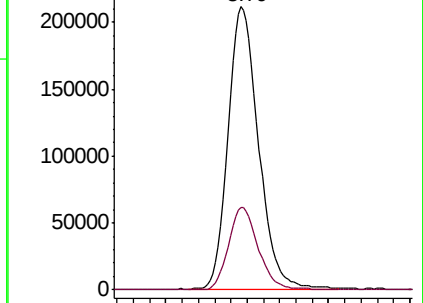
43 100

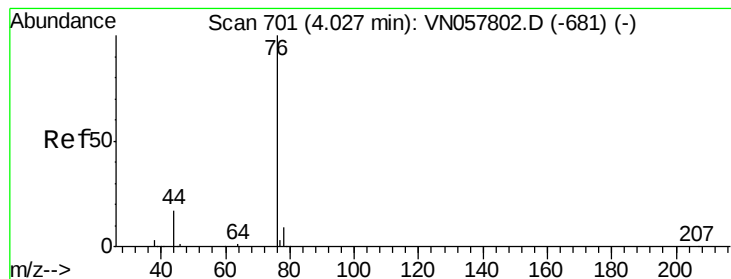
58 29.1 22.2 33.2



Abundance Ion 43.00 (42.70 to 43.70): VN057802.D (-595) (-)

Ion 58.00 (57.70 to 58.70): VN057802.D (-595) (-)





#17

Carbon Disulfide

Concen: 43.188 ug/l

RT: 4.03 min Scan# 703

Delta R.T. 0.01 min

Lab File: VN058130.D

Acq: 16 Sep 2019 19:25

Instrument :

MSVOA_N

ClientSampleId :

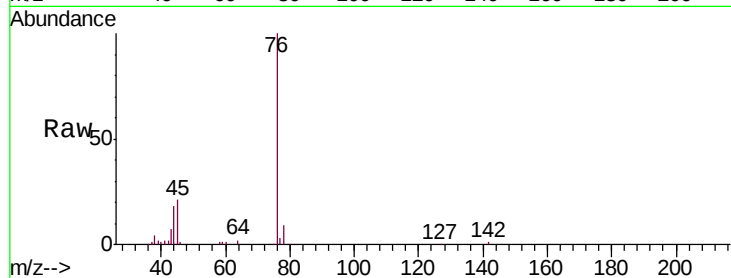
VE-4-11MS

Tgt Ion: 76 Resp: 228528

Ion Ratio Lower Upper

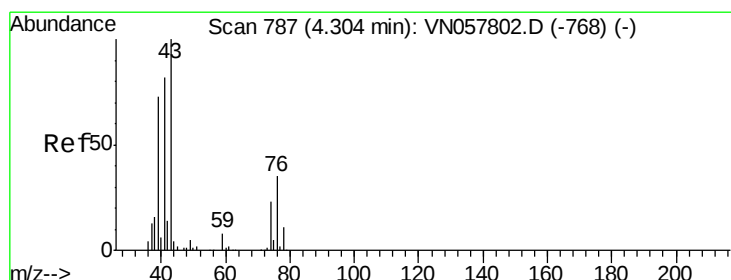
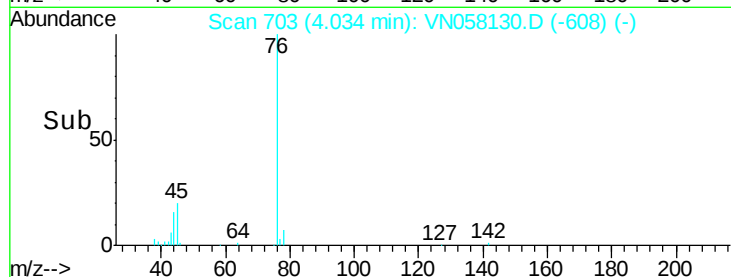
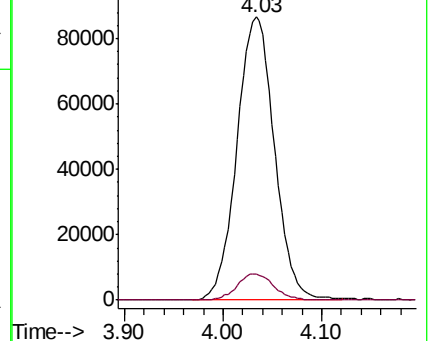
76 100

78 9.2 7.1 10.7



Abundance Ion 75.90 (75.60 to 76.60): VN058130.D (-608) (-)

Ion 77.90 (77.60 to 78.60): VN058130.D (-608) (-)



#18

Methyl Acetate

Concen: 58.994 ug/l

RT: 4.30 min Scan# 786

Delta R.T. -0.00 min

Lab File: VN058130.D

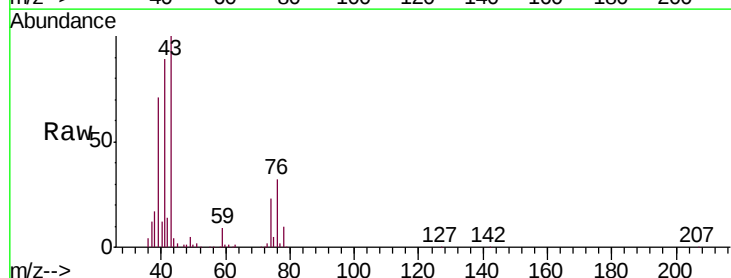
Acq: 16 Sep 2019 19:25

Tgt Ion: 43 Resp: 333633

Ion Ratio Lower Upper

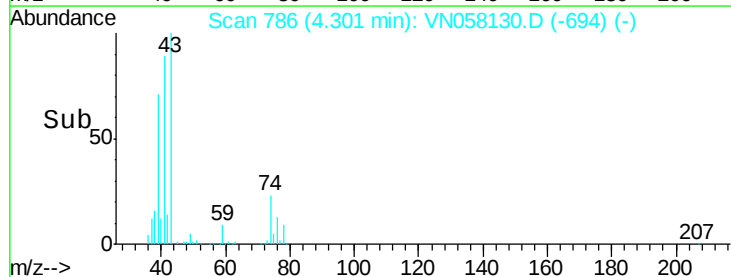
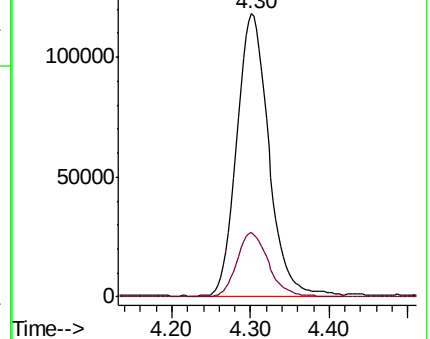
43 100

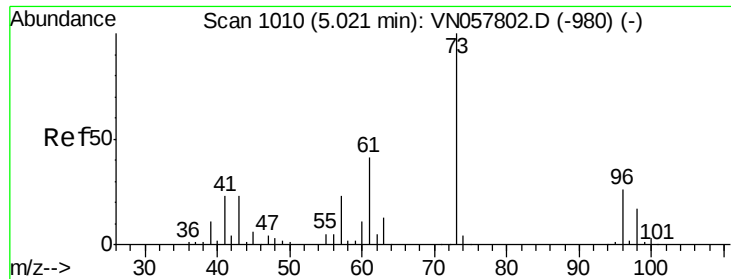
74 22.8 17.9 26.9



Abundance Ion 43.00 (42.70 to 43.70): VN058130.D (-694) (-)

Ion 74.00 (73.70 to 74.70): VN058130.D (-694) (-)

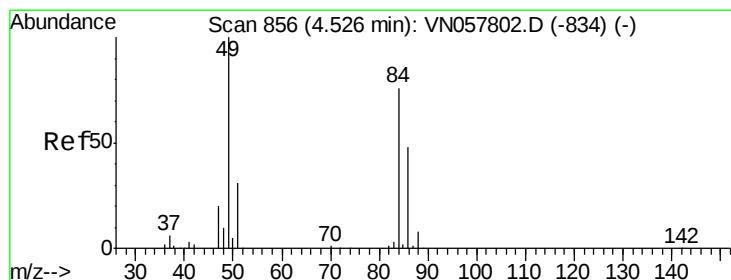
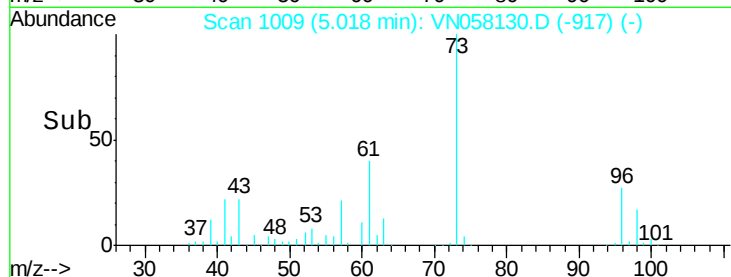
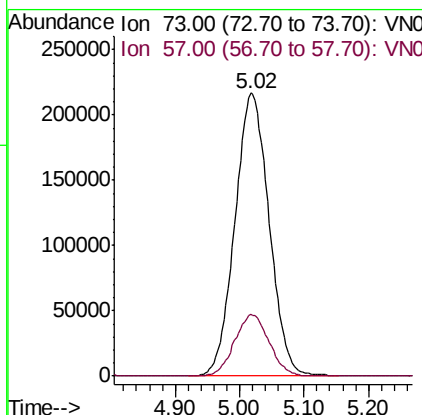
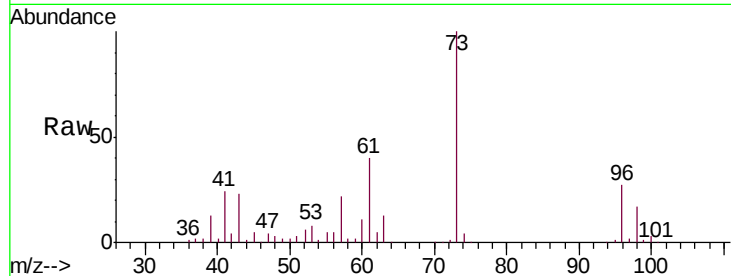




#19
Methyl tert-butyl Ether
Concen: 56.717 ug/l
RT: 5.02 min Scan# 1009
Delta R.T. -0.00 min
Lab File: VN058130.D
Acq: 16 Sep 2019 19:25

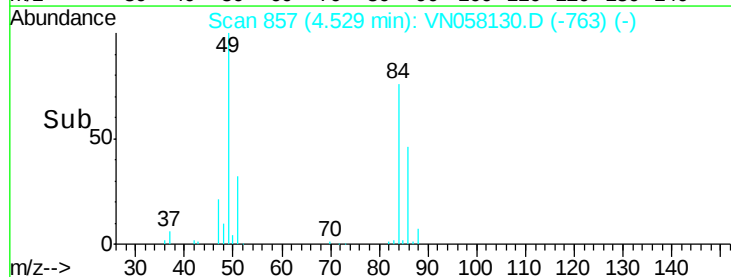
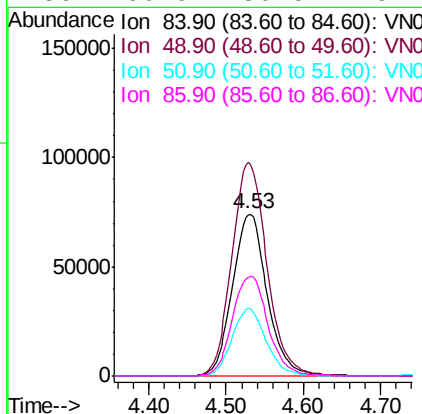
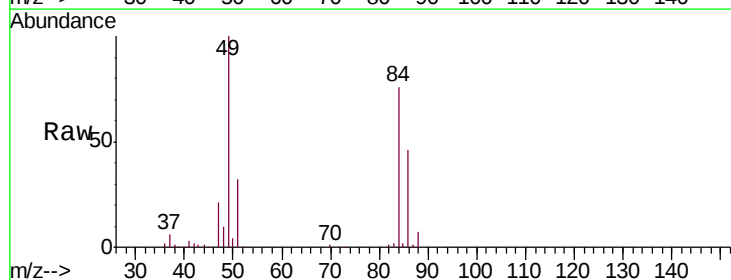
Instrument :
MSVOA_N
ClientSampleId :
VE-4-11MS

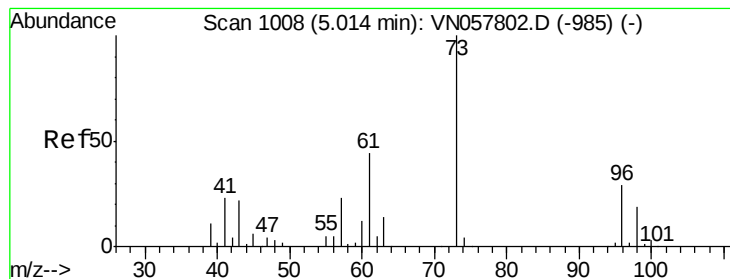
Tgt Ion: 73 Resp: 802887
Ion Ratio Lower Upper
73 100
57 21.8 18.2 27.2



#20
Methylene Chloride
Concen: 57.341 ug/l
RT: 4.53 min Scan# 857
Delta R.T. 0.00 min
Lab File: VN058130.D
Acq: 16 Sep 2019 19:25

Tgt Ion: 84 Resp: 230807
Ion Ratio Lower Upper
84 100
49 131.9 104.8 157.2
51 42.1 33.0 49.4
86 60.9 50.5 75.7





#21

trans-1,2-Dichloroethene

Concen: 50.771 ug/l

RT: 5.02 min Scan# 1009

Delta R.T. 0.00 min

Lab File: VN058130.D

Acq: 16 Sep 2019 19:25

Instrument :

MSVOA_N

ClientSampleId :

VE-4-11MS

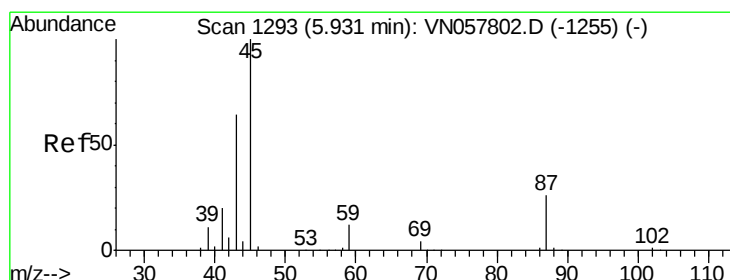
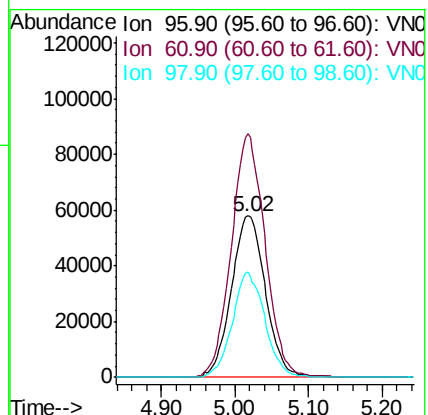
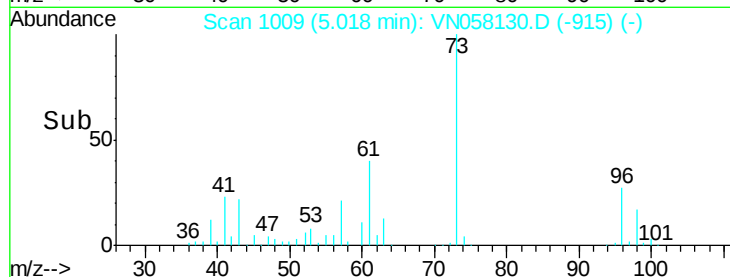
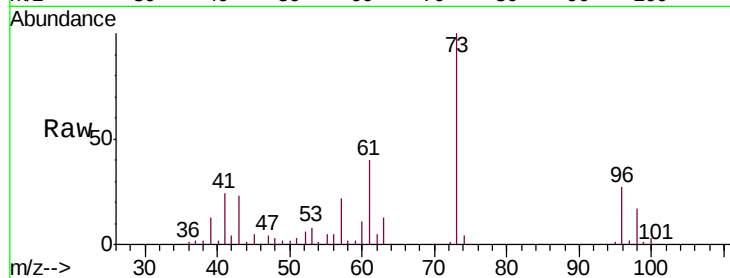
Tgt Ion: 96 Resp: 186689

Ion Ratio Lower Upper

96 100

61 150.7 121.9 182.9

98 65.1 52.2 78.4



#22

Diisopropyl ether

Concen: 56.285 ug/l

RT: 5.93 min Scan# 1293

Delta R.T. 0.00 min

Lab File: VN058130.D

Acq: 16 Sep 2019 19:25

Tgt Ion: 45 Resp: 878662

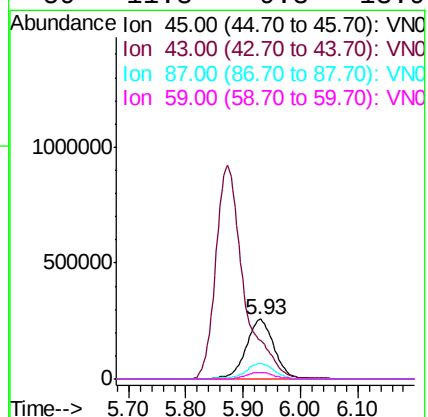
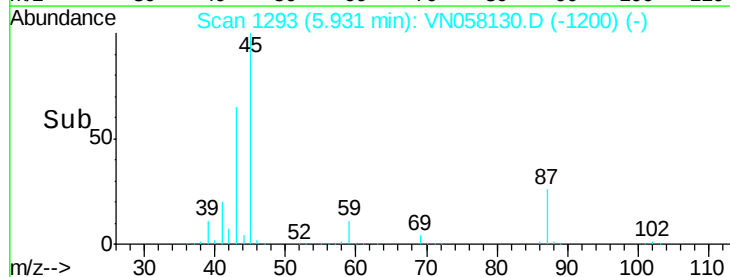
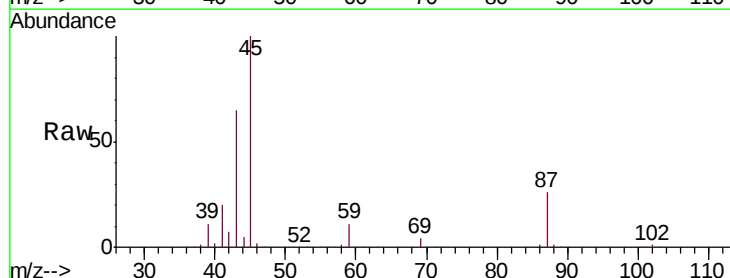
Ion Ratio Lower Upper

45 100

43 64.3 51.4 77.2

87 26.3 21.3 31.9

59 11.3 9.3 13.9





#23

Vinyl Acetate

Concen: 284.645 ug/l

RT: 5.87 min Scan# 1275

Delta R.T. 0.00 min

Lab File: VN058130.D

Acq: 16 Sep 2019 19:25

Instrument :

MSVOA_N

ClientSampled :

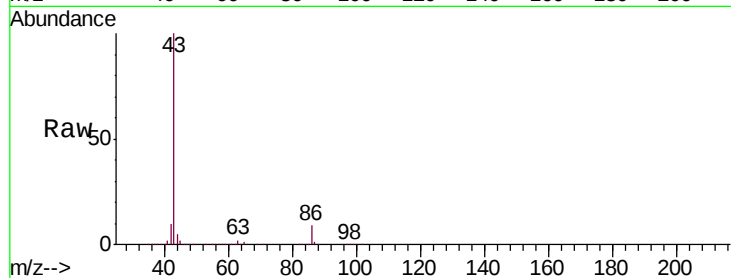
VE-4-11MS

Tgt Ion: 43 Resp: 3149181

Ion Ratio Lower Upper

43 100

86 9.4 7.7 11.5



Abundance Ion 43.00 (42.70 to 43.70): VN058130.D (-1182) (-)

Ion 86.00 (85.70 to 86.70): VN058130.D (-1182) (-)

5.87

1000000

800000

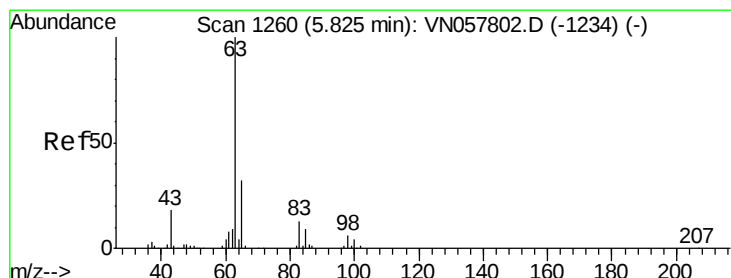
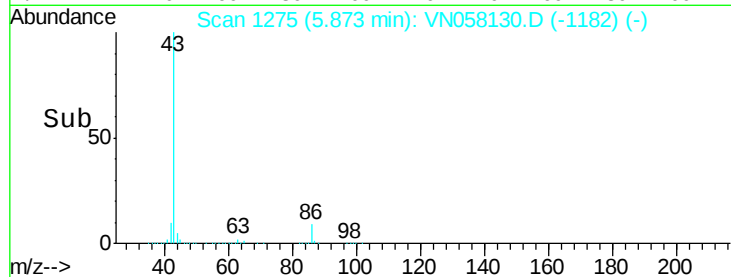
600000

400000

200000

0

Time-->



#24

1,1-Dichloroethane

Concen: 54.077 ug/l

RT: 5.83 min Scan# 1261

Delta R.T. 0.00 min

Lab File: VN058130.D

Acq: 16 Sep 2019 19:25

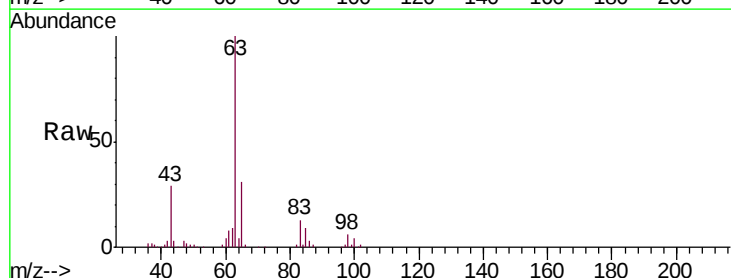
Tgt Ion: 63 Resp: 461373

Ion Ratio Lower Upper

63 100

98 6.4 3.0 9.2

100 3.7 2.0 5.8



Abundance Ion 62.90 (62.60 to 63.60): VN058130.D (-1167) (-)

Ion 97.90 (97.60 to 98.60): VN058130.D (-1167) (-)

Ion 99.90 (99.60 to 100.60): VN058130.D (-1167) (-)

5.83

200000

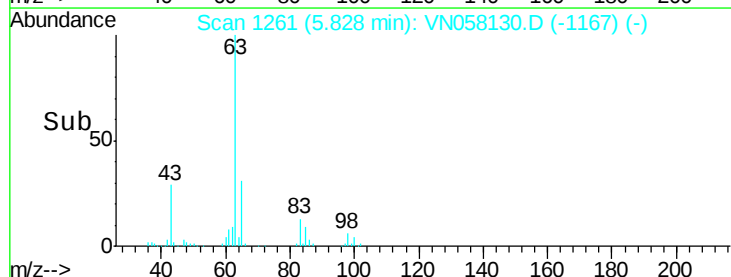
150000

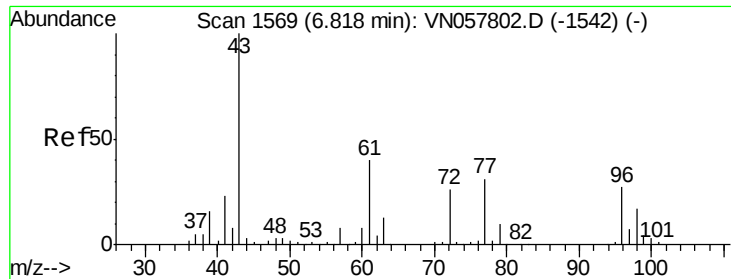
100000

50000

0

Time-->





#25

2-Butanone

Concen: 275.959 ug/l

RT: 6.81 min Scan# 1568

Delta R.T. -0.00 min

Lab File: VN058130.D

Acq: 16 Sep 2019 19:25

Instrument :

MSVOA_N

ClientSampled :

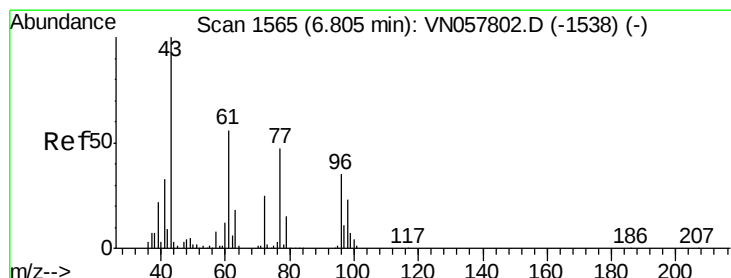
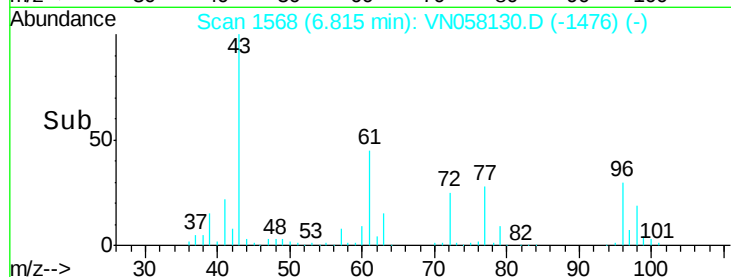
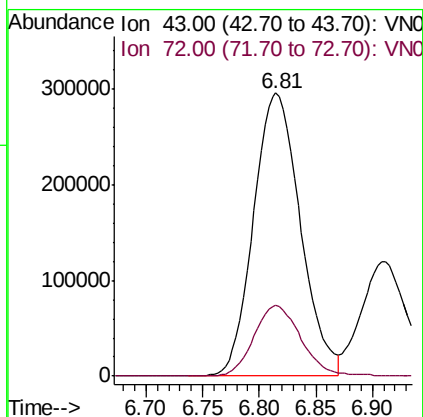
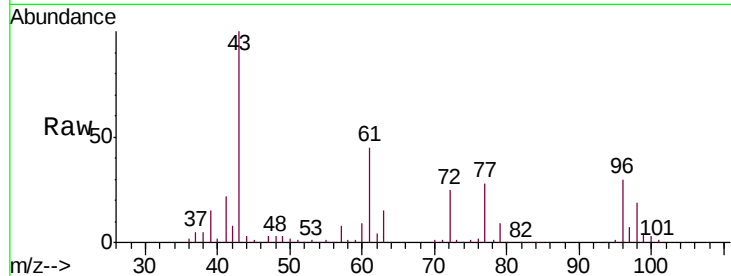
VE-4-11MS

Tgt Ion: 43 Resp: 847167

Ion Ratio Lower Upper

43 100

72 25.1 20.6 30.8



#26

2,2-Dichloropropane

Concen: 43.393 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VN058130.D

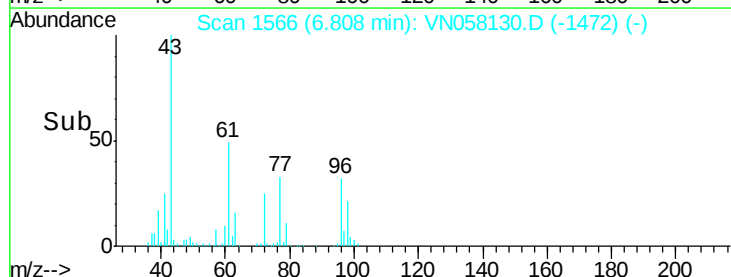
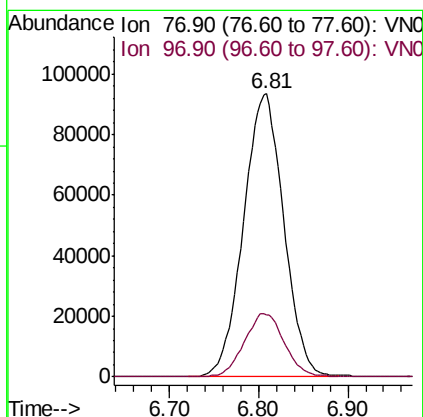
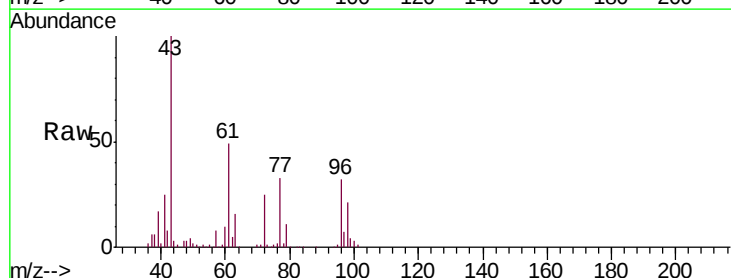
Acq: 16 Sep 2019 19:25

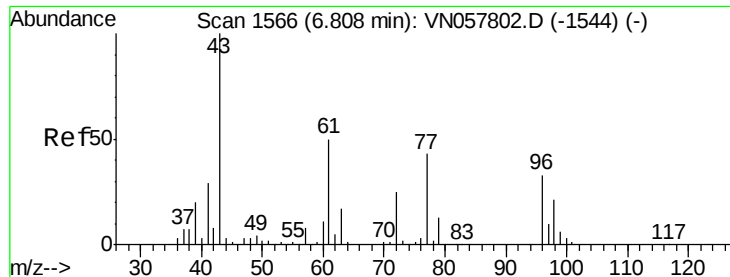
Tgt Ion: 77 Resp: 292984

Ion Ratio Lower Upper

77 100

97 22.1 11.1 33.3





#27

cis-1,2-Dichloroethene

Concen: 53.132 ug/l

RT: 6.81 min Scan# 1567

Delta R.T. 0.00 min

Lab File: VN058130.D

Acq: 16 Sep 2019 19:25

Instrument :

MSVOA_N

ClientSampleId :

VE-4-11MS

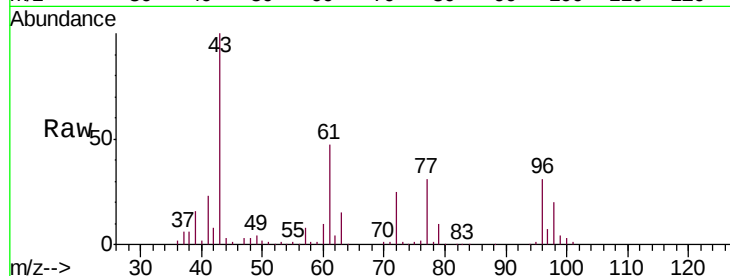
Tgt Ion: 96 Resp: 261823

Ion Ratio Lower Upper

96 100

61 155.5 0.0 314.0

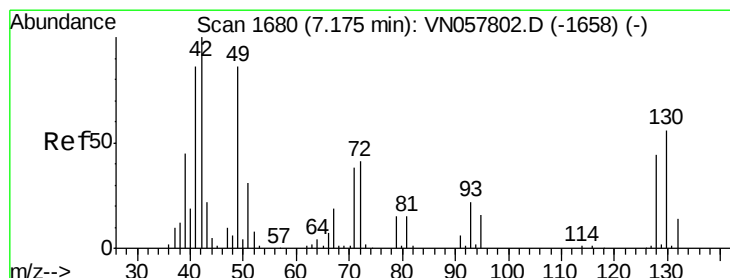
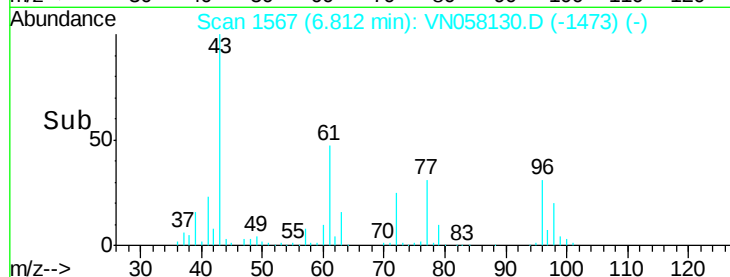
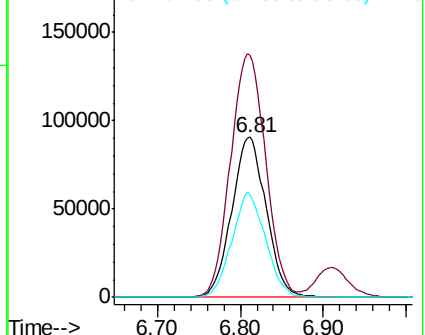
98 64.1 0.0 128.6



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 53.689 ug/l

RT: 7.17 min Scan# 1680

Delta R.T. 0.00 min

Lab File: VN058130.D

Acq: 16 Sep 2019 19:25

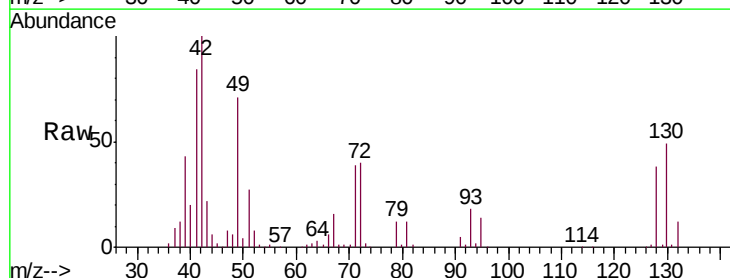
Tgt Ion: 49 Resp: 228842

Ion Ratio Lower Upper

49 100

129 1.1 0.0 3.8

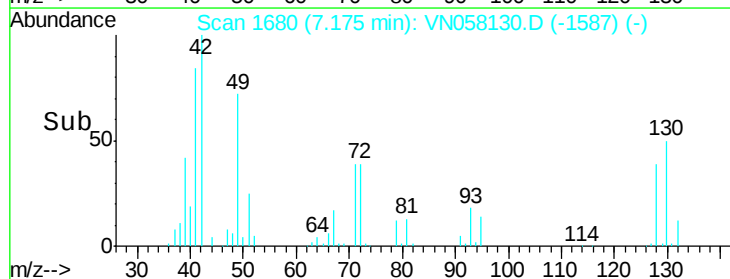
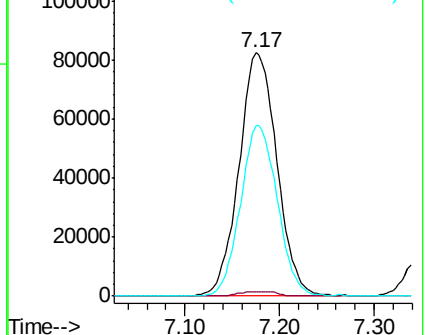
130 68.1 53.0 79.6

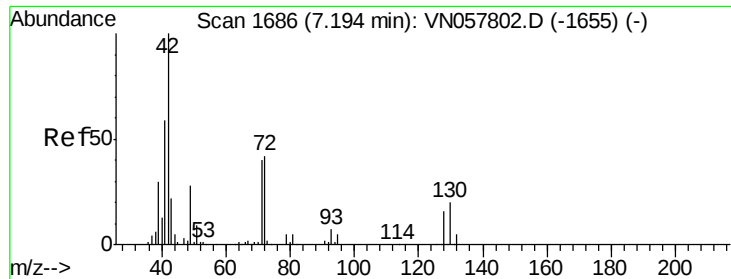


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

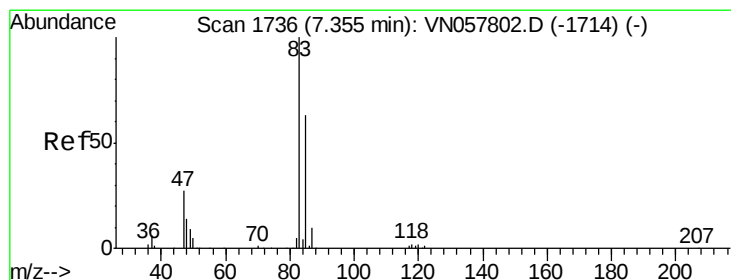
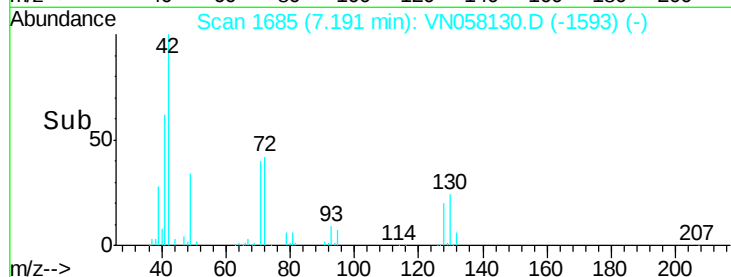
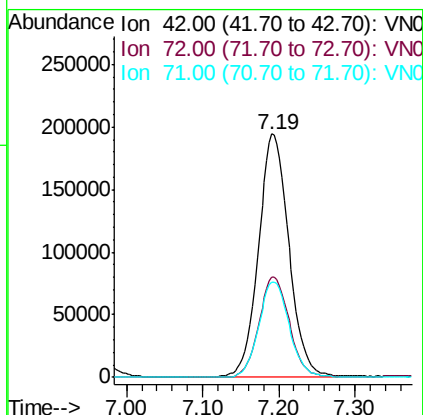
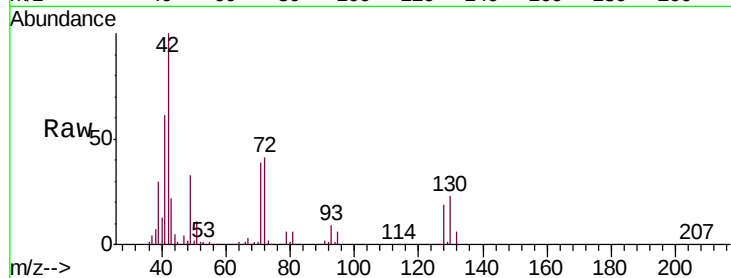




#29
Tetrahydrofuran
Concen: 284.700 ug/l
RT: 7.19 min Scan# 1685
Delta R.T. -0.00 min
Lab File: VN058130.D
Acq: 16 Sep 2019 19:25

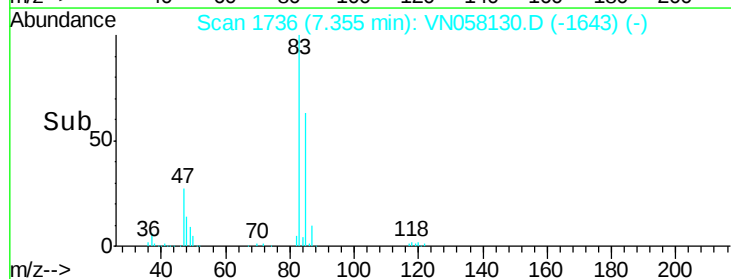
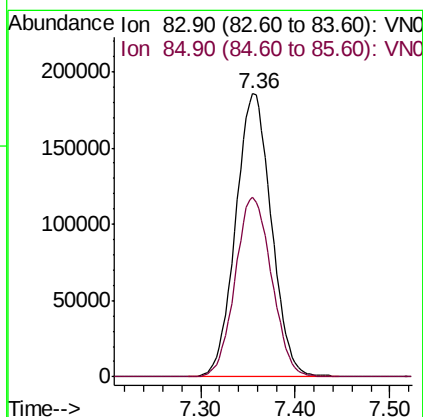
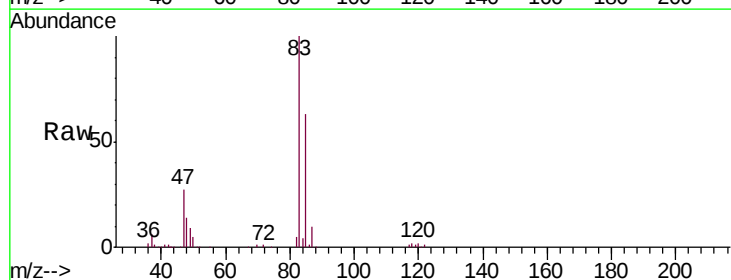
Instrument :
MSVOA_N
ClientSampled :
VE-4-11MS

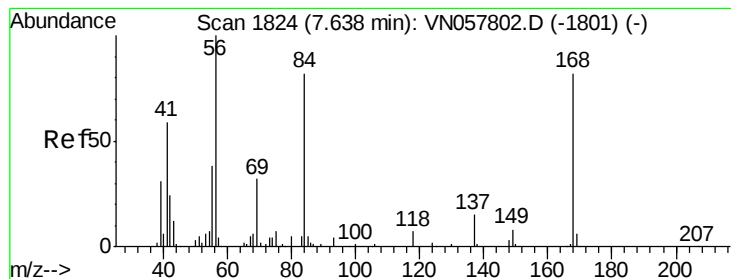
Tgt Ion: 42 Resp: 538563
Ion Ratio Lower Upper
42 100
72 41.1 33.7 50.5
71 39.5 31.9 47.9



#30
Chloroform
Concen: 54.673 ug/l
RT: 7.36 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VN058130.D
Acq: 16 Sep 2019 19:25

Tgt Ion: 83 Resp: 487729
Ion Ratio Lower Upper
83 100
85 63.3 50.6 75.8





#31

Cyclohexane

Concen: 52.807 ug/l

RT: 7.64 min Scan# 1824

Delta R.T. 0.00 min

Lab File: VN058130.D

Acq: 16 Sep 2019 19:25

Instrument :

MSVOA_N

ClientSampleId :

VE-4-11MS

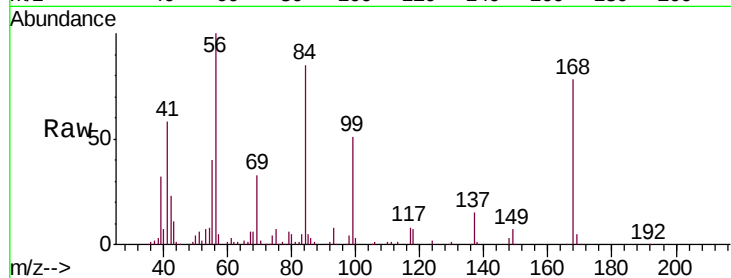
Tgt Ion: 56 Resp: 306293

Ion Ratio Lower Upper

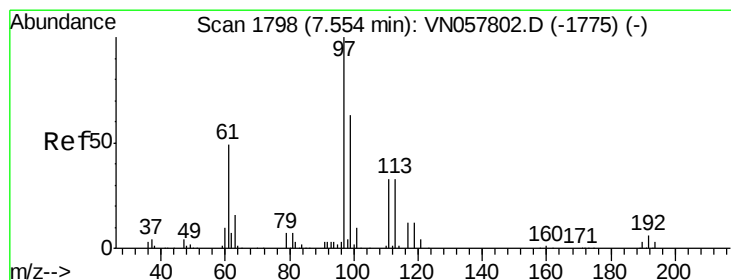
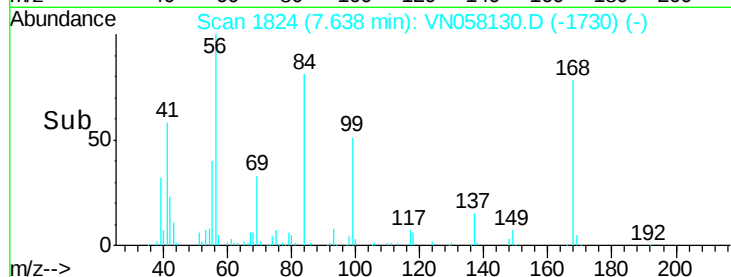
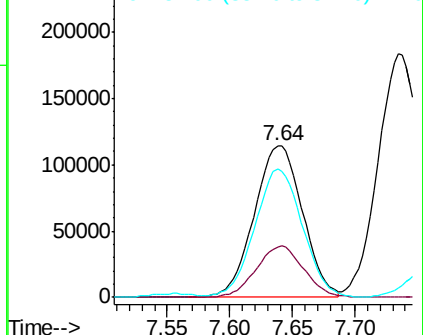
56 100

69 33.1 25.9 38.9

84 82.6 65.6 98.4



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: 54.068 ug/l

RT: 7.55 min Scan# 1798

Delta R.T. 0.00 min

Lab File: VN058130.D

Acq: 16 Sep 2019 19:25

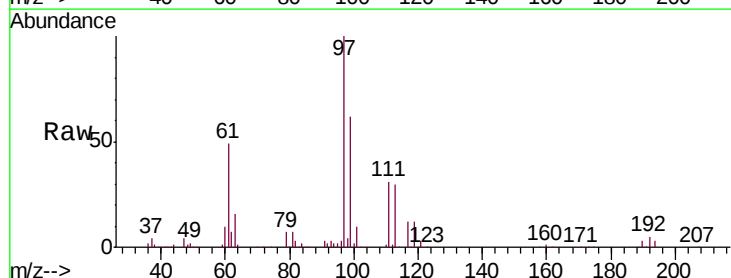
Tgt Ion: 97 Resp: 382533

Ion Ratio Lower Upper

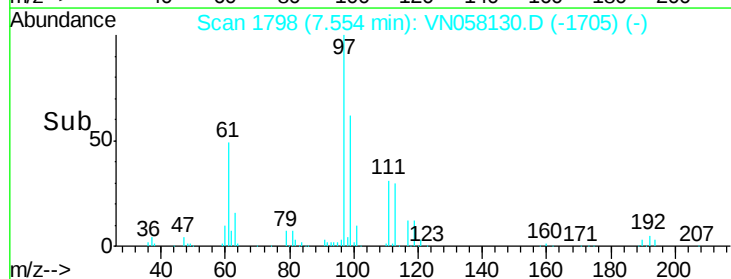
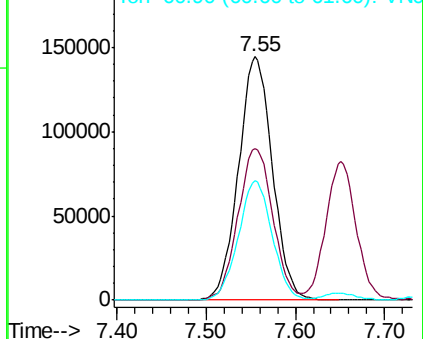
97 100

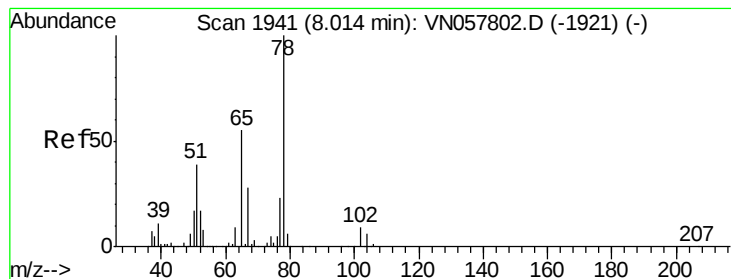
99 63.8 51.0 76.4

61 48.9 39.0 58.6



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: 52.814 ug/l

RT: 8.01 min Scan# 1940

Delta R.T. -0.00 min

Lab File: VN058130.D

Acq: 16 Sep 2019 19:25

Instrument :

MSVOA_N

ClientSampleId :

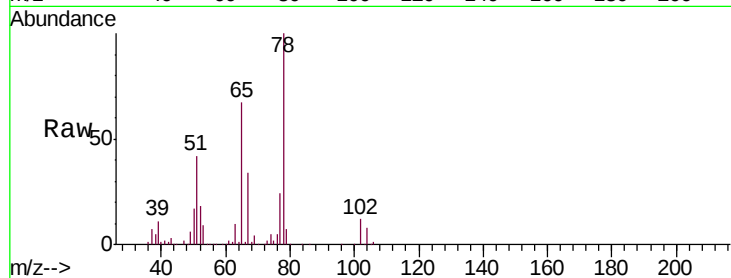
VE-4-11MS

Tgt Ion: 65 Resp: 341718

Ion Ratio Lower Upper

65 100

67 51.1 0.0 104.0



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

8.01

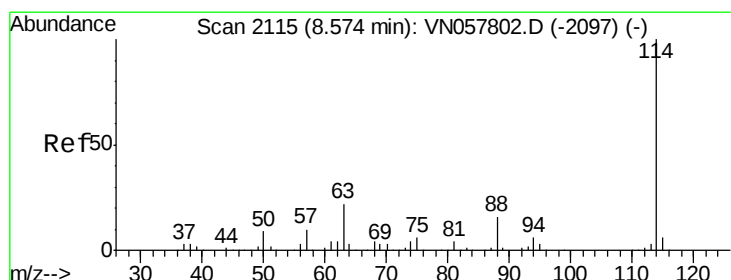
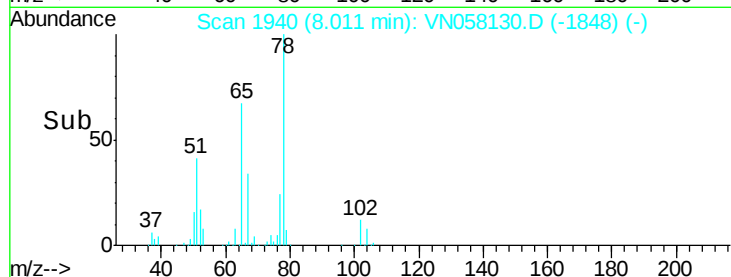
150000

100000

50000

0

Time--> 7.90 7.95 8.00 8.05 8.10



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2115

Delta R.T. 0.00 min

Lab File: VN058130.D

Acq: 16 Sep 2019 19:25

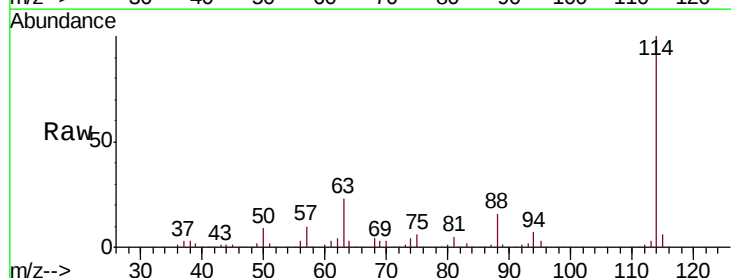
Tgt Ion: 114 Resp: 520045

Ion Ratio Lower Upper

114 100

63 22.6 0.0 44.0

88 16.1 0.0 31.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 87.90 (87.60 to 88.60): VN0

8.57

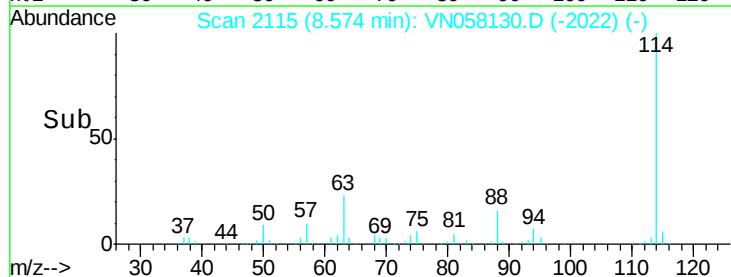
300000

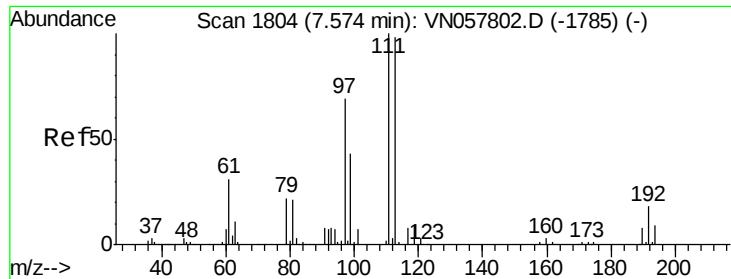
200000

100000

0

Time--> 8.50 8.60 8.70

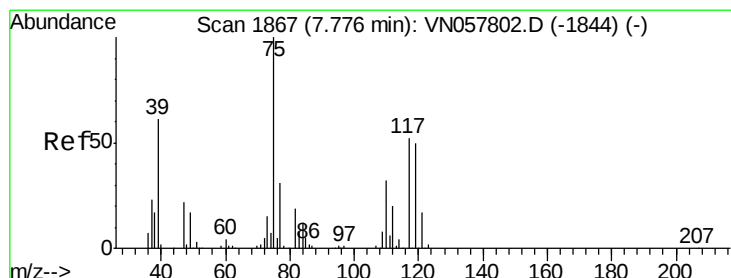
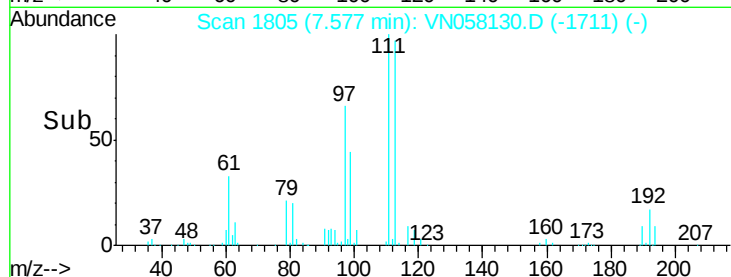
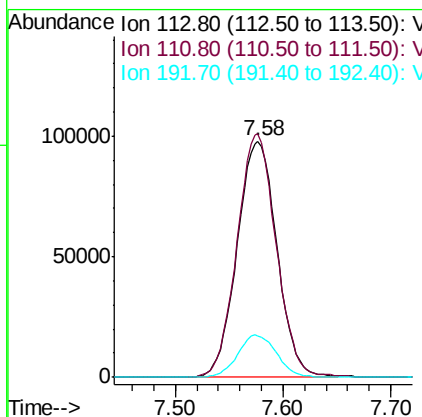
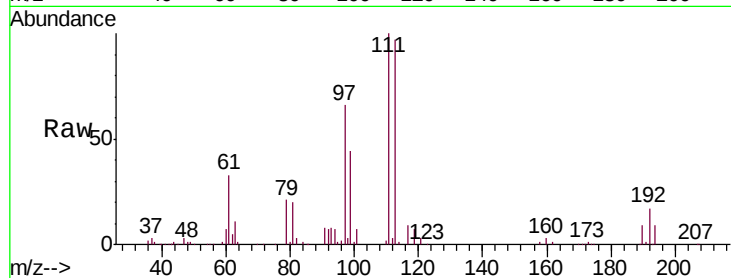




#35
 Dibromofluoromethane
 Concen: 52.318 ug/l
 RT: 7.58 min Scan# 1805
 Delta R.T. 0.00 min
 Lab File: VN058130.D
 Acq: 16 Sep 2019 19:25

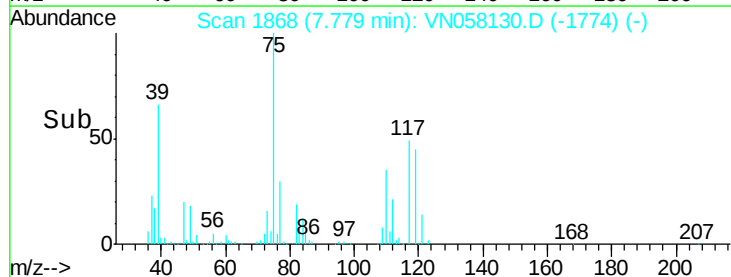
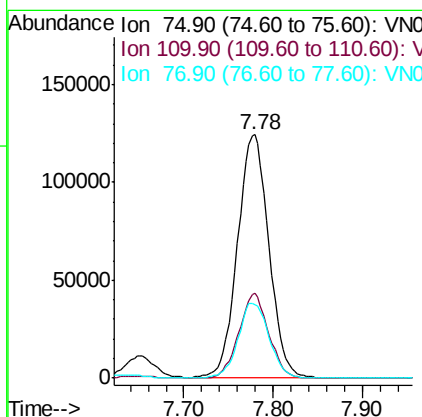
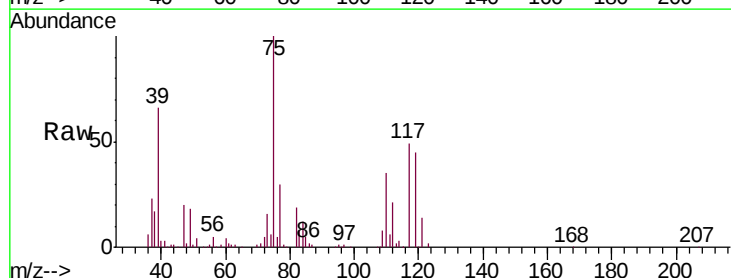
Instrument :
 MSVOA_N
 ClientSampled :
 VE-4-11MS

Tgt Ion: 113 Resp: 251114
 Ion Ratio Lower Upper
 113 100
 111 101.9 81.3 121.9
 192 17.7 14.6 22.0



#36
 1,1-Dichloropropene
 Concen: 49.966 ug/l
 RT: 7.78 min Scan# 1868
 Delta R.T. 0.00 min
 Lab File: VN058130.D
 Acq: 16 Sep 2019 19:25

Tgt Ion: 75 Resp: 301352
 Ion Ratio Lower Upper
 75 100
 110 33.1 16.3 48.9
 77 30.7 25.0 37.4

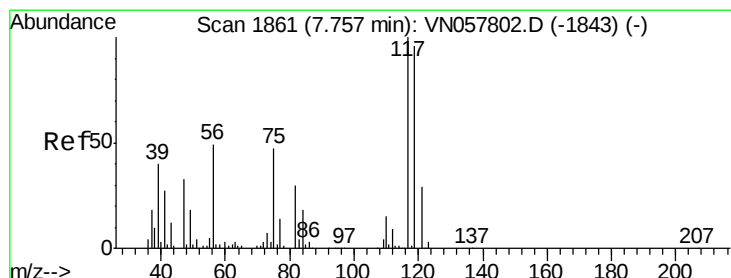
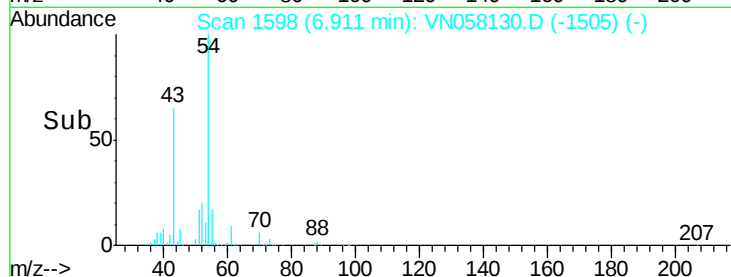
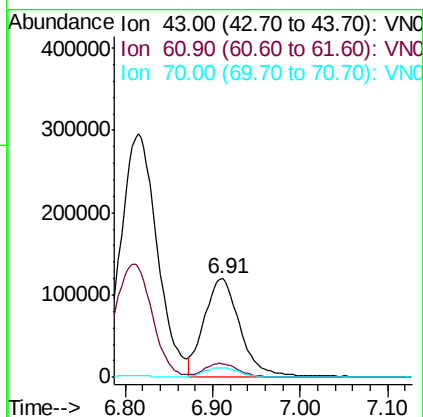
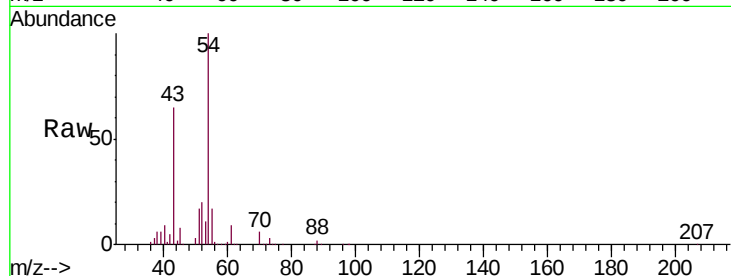




#37
 Ethyl Acetate
 Concen: 54.155 ug/l
 RT: 6.91 min Scan# 1598
 Delta R.T. 0.00 min
 Lab File: VN058130.D
 Acq: 16 Sep 2019 19:25

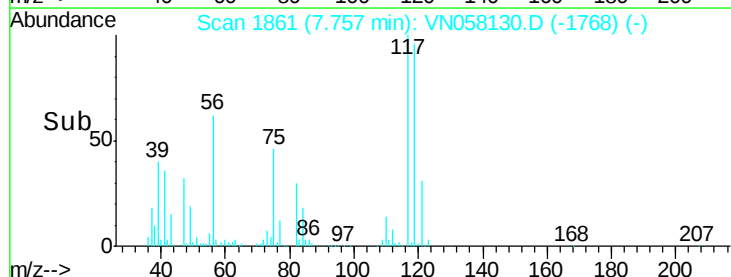
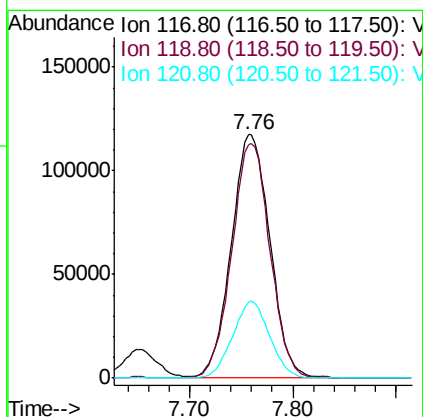
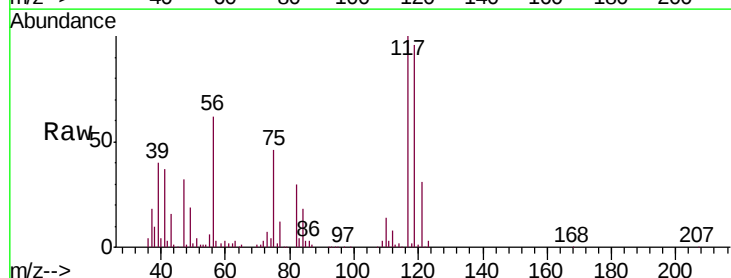
Instrument :
 MSVOA_N
 ClientSampleId :
 VE-4-11MS

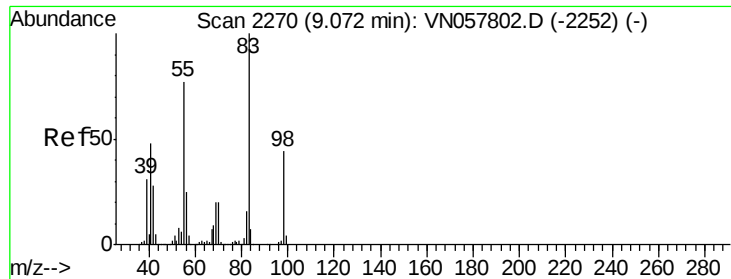
Tgt Ion: 43 Resp: 337453
 Ion Ratio Lower Upper
 43 100
 61 13.2 10.5 15.7
 70 9.5 7.4 11.0



#38
 Carbon Tetrachloride
 Concen: 55.428 ug/l
 RT: 7.76 min Scan# 1861
 Delta R.T. 0.00 min
 Lab File: VN058130.D
 Acq: 16 Sep 2019 19:25

Tgt Ion: 117 Resp: 305208
 Ion Ratio Lower Upper
 117 100
 119 95.9 76.9 115.3
 121 31.1 23.4 35.2

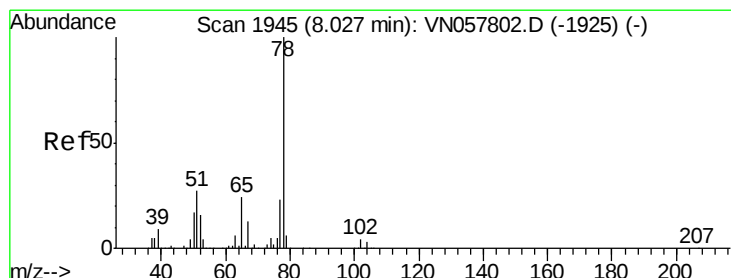
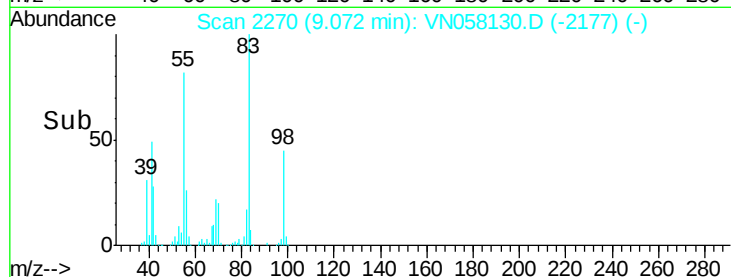
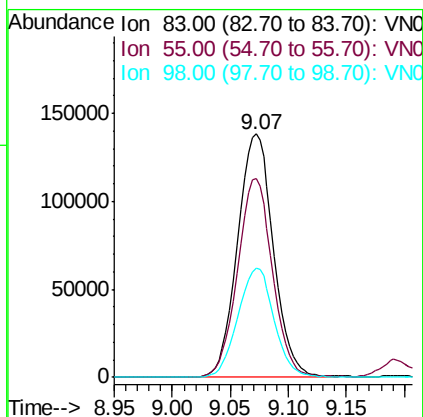
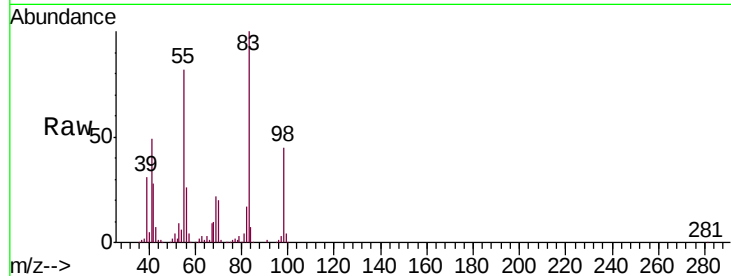




#39
Methylcyclohexane
Concen: 46.930 ug/l
RT: 9.07 min Scan# 2270
Delta R.T. 0.00 min
Lab File: VN058130.D
Acq: 16 Sep 2019 19:25

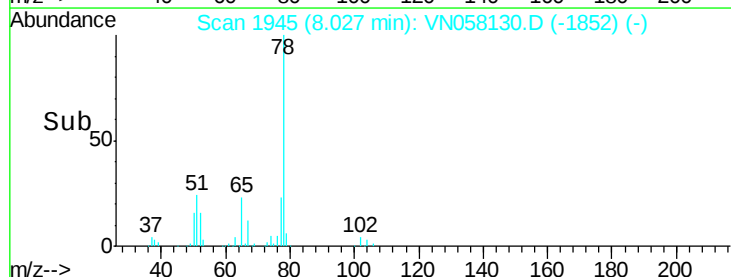
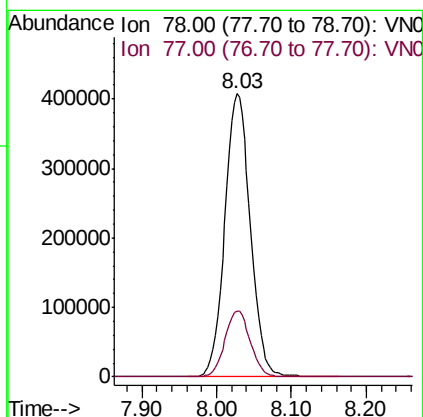
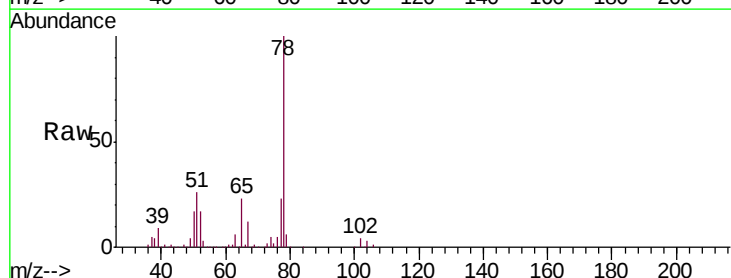
Instrument :
MSVOA_N
ClientSampleId :
VE-4-11MS

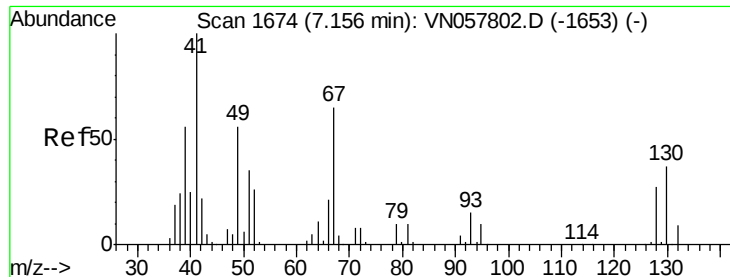
Tgt Ion: 83 Resp: 297544
Ion Ratio Lower Upper
83 100
55 81.7 61.6 92.4
98 44.9 34.9 52.3



#40
Benzene
Concen: 52.826 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN058130.D
Acq: 16 Sep 2019 19:25

Tgt Ion: 78 Resp: 959202
Ion Ratio Lower Upper
78 100
77 23.4 18.3 27.5

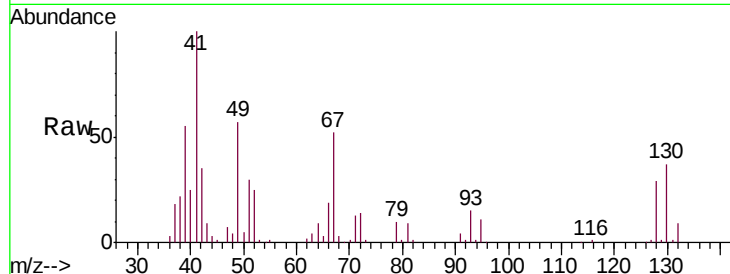




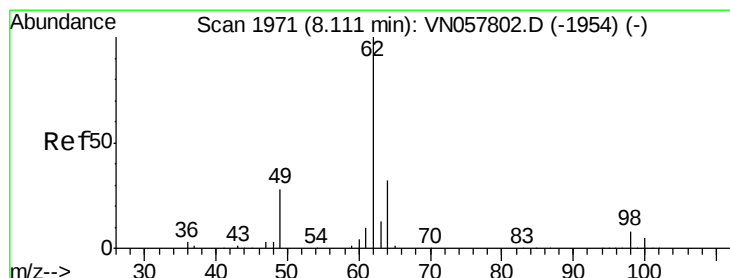
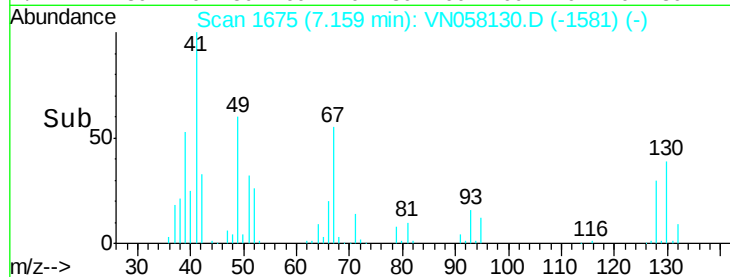
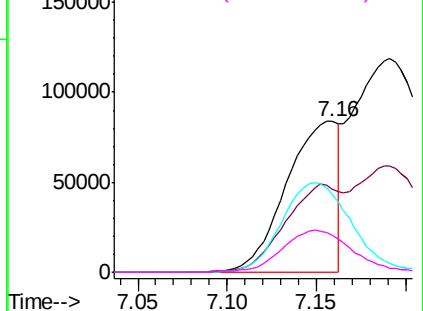
#41
Methacrylonitrile
Concen: 59.856 ug/l
RT: 7.16 min Scan# 1675
Delta R.T. 0.00 min
Lab File: VN058130.D
Acq: 16 Sep 2019 19:25

Instrument :
MSVOA_N
ClientSampled :
VE-4-11MS

Tgt Ion: 41 Resp: 169309
Ion Ratio Lower Upper
41 100
39 62.2 51.0 76.6
67 80.6 70.7 106.1
52 37.0 30.8 46.2

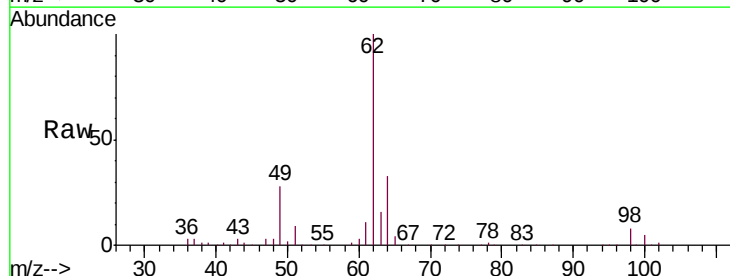


Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 39.00 (38.70 to 39.70): VNC
Ion 67.00 (66.70 to 67.70): VNC
Ion 52.00 (51.70 to 52.70): VNC

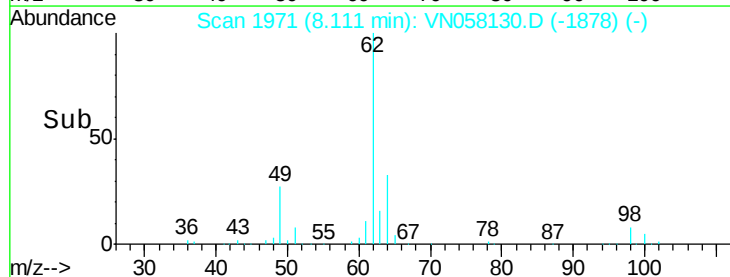
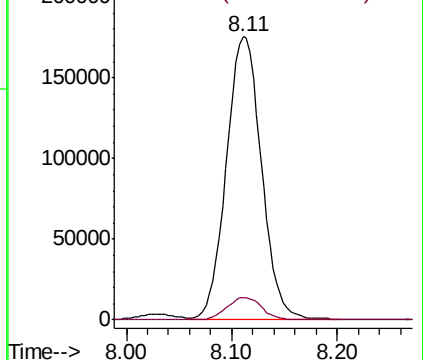


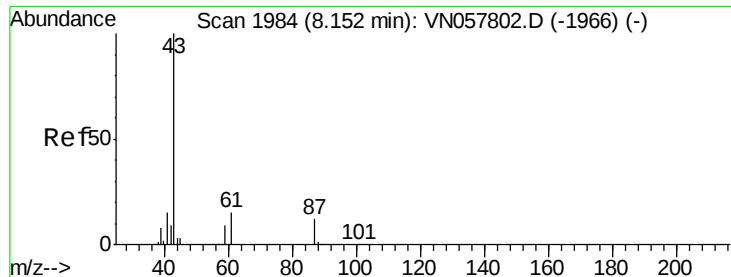
#42
1,2-Dichloroethane
Concen: 55.462 ug/l
RT: 8.11 min Scan# 1971
Delta R.T. 0.00 min
Lab File: VN058130.D
Acq: 16 Sep 2019 19:25

Tgt Ion: 62 Resp: 402758
Ion Ratio Lower Upper
62 100
98 8.0 0.0 15.8



Abundance Ion 61.90 (61.60 to 62.60): VNC
Ion 97.90 (97.60 to 98.60): VNC

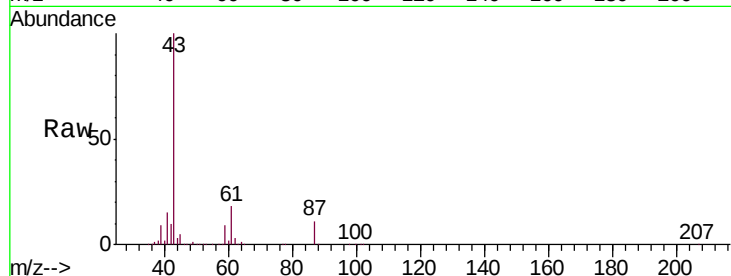




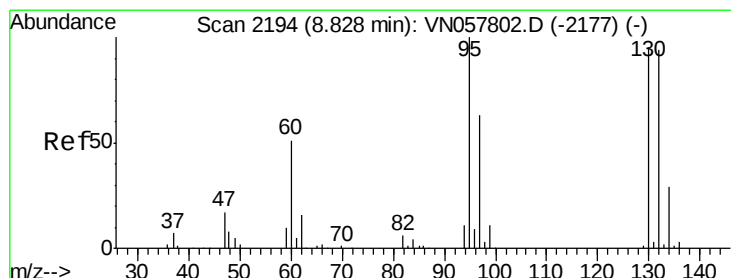
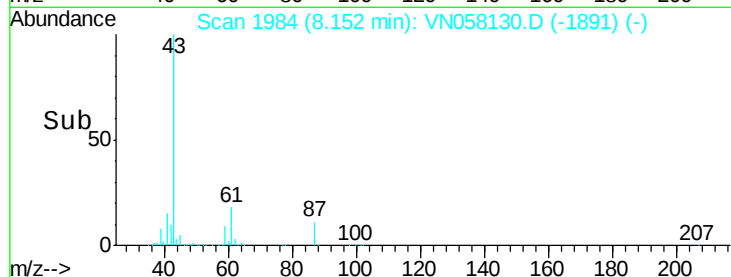
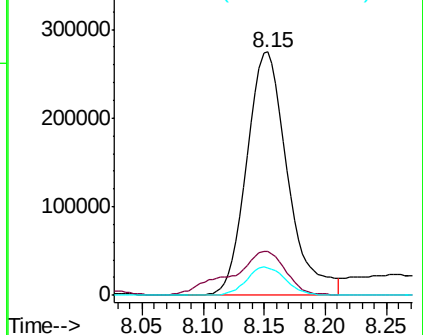
#43
Isopropyl Acetate
Concen: 60.492 ug/l
RT: 8.15 min Scan# 1984
Delta R.T. 0.00 min
Lab File: VN058130.D
Acq: 16 Sep 2019 19:25

Instrument :
MSVOA_N
ClientSampleId :
VE-4-11MS

Tgt Ion: 43 Resp: 633897
Ion Ratio Lower Upper
43 100
61 24.0 20.1 30.1
87 11.1 9.5 14.3

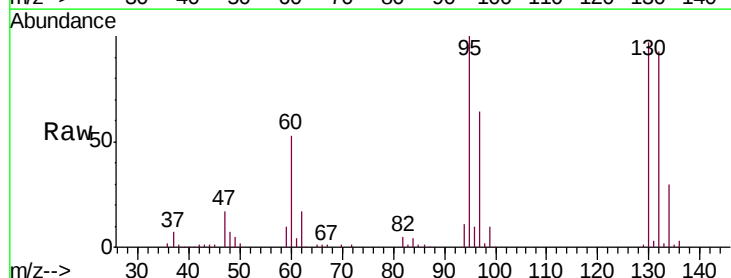


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 61.00 (60.70 to 61.70): VN0
Ion 87.00 (86.70 to 87.70): VN0

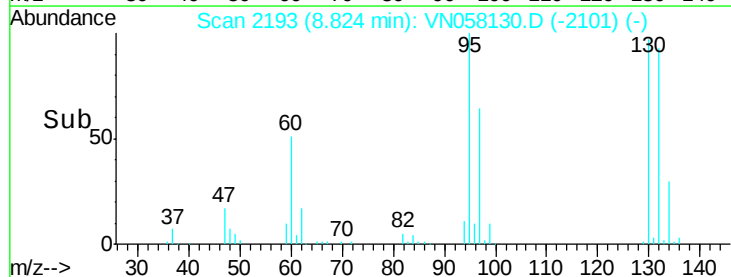
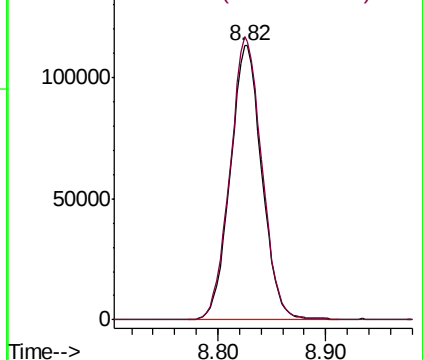


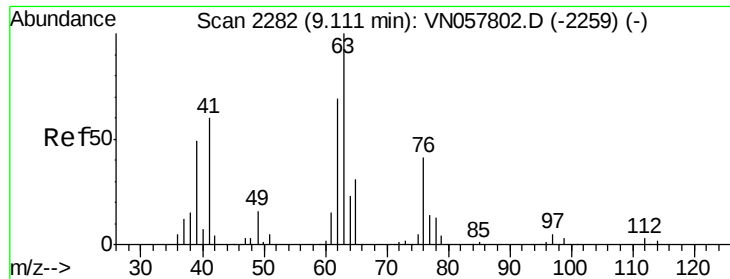
#44
Trichloroethene
Concen: 51.884 ug/l
RT: 8.82 min Scan# 2193
Delta R.T. -0.00 min
Lab File: VN058130.D
Acq: 16 Sep 2019 19:25

Tgt Ion: 130 Resp: 231067
Ion Ratio Lower Upper
130 100
95 103.2 0.0 211.4



Abundance Ion 129.80 (129.50 to 130.50): V
Ion 94.90 (94.60 to 95.60): VN0

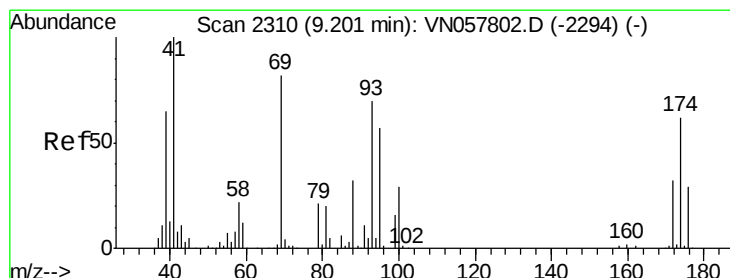
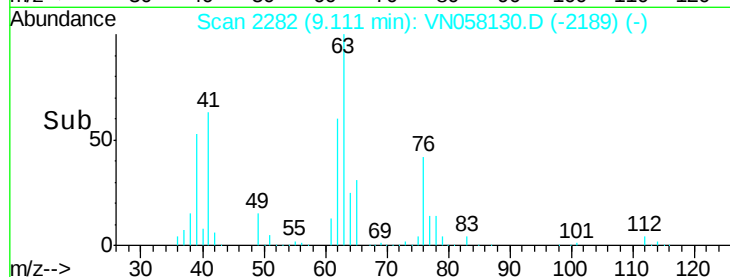
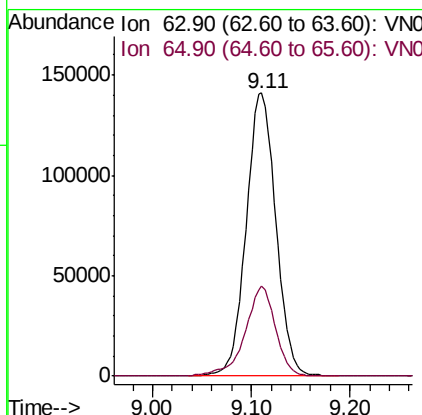
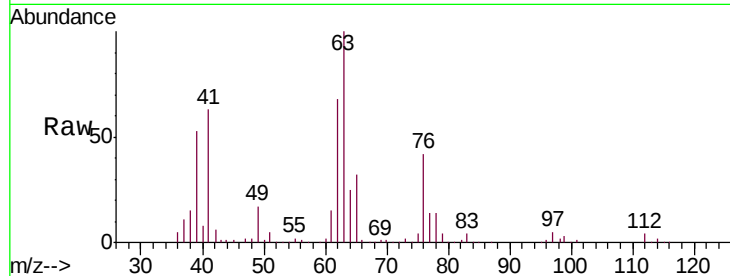




#45
 1,2-Dichloropropane
 Concen: 55.356 ug/l
 RT: 9.11 min Scan# 2282
 Delta R.T. 0.00 min
 Lab File: VN058130.D
 Acq: 16 Sep 2019 19:25

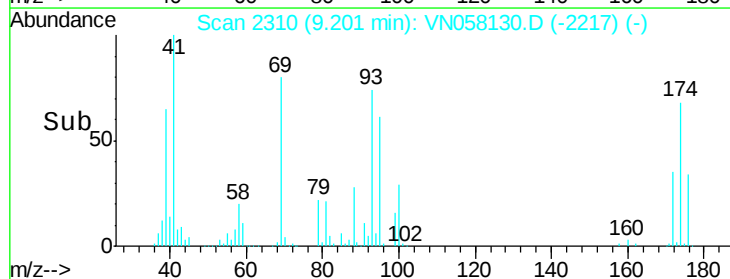
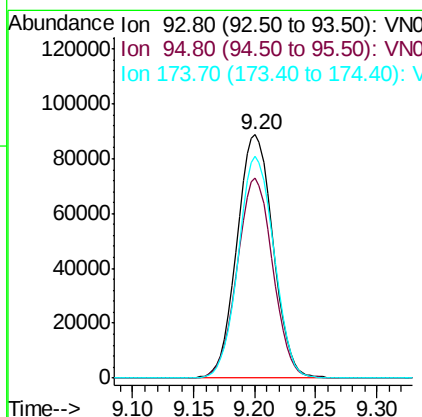
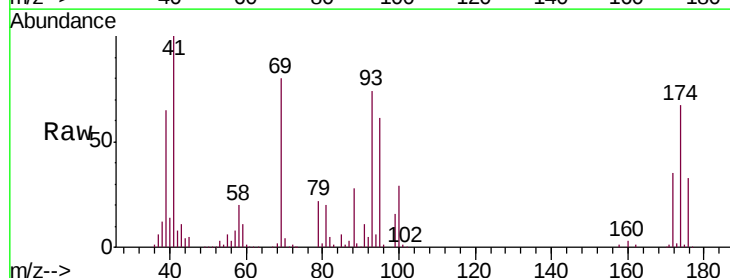
Instrument :
 MSVOA_N
 ClientSampleId :
 VE-4-11MS

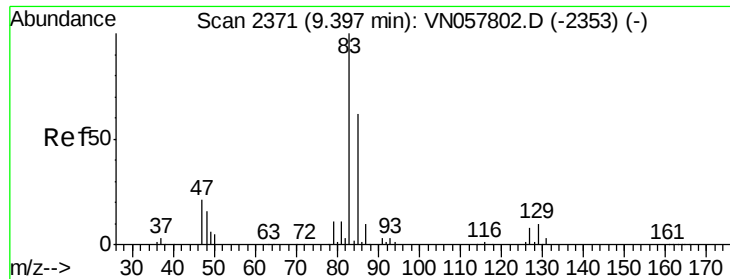
Tgt Ion: 63 Resp: 292479
 Ion Ratio Lower Upper
 63 100
 65 31.8 24.8 37.2



#46
 Dibromomethane
 Concen: 56.824 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN058130.D
 Acq: 16 Sep 2019 19:25

Tgt Ion: 93 Resp: 181428
 Ion Ratio Lower Upper
 93 100
 95 81.5 65.9 98.9
 174 89.9 71.8 107.6





#47

Bromodichloromethane

Concen: 58.669 ug/l

RT: 9.40 min Scan# 2371

Delta R.T. 0.00 min

Lab File: VN058130.D

Acq: 16 Sep 2019 19:25

Instrument :

MSVOA_N

ClientSampleId :

VE-4-11MS

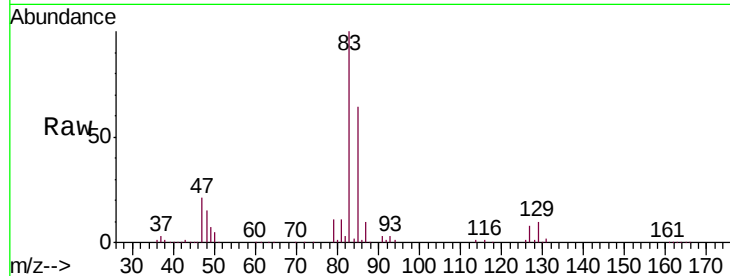
Tgt Ion: 83 Resp: 374056

Ion Ratio Lower Upper

83 100

85 63.7 49.9 74.9

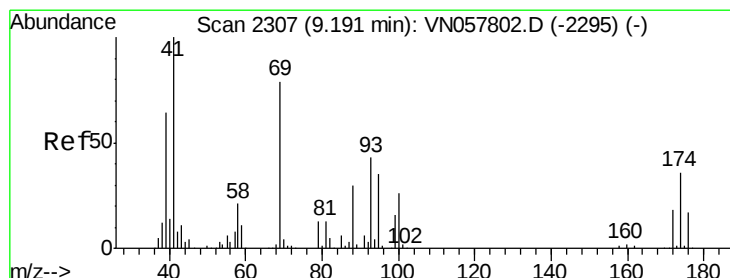
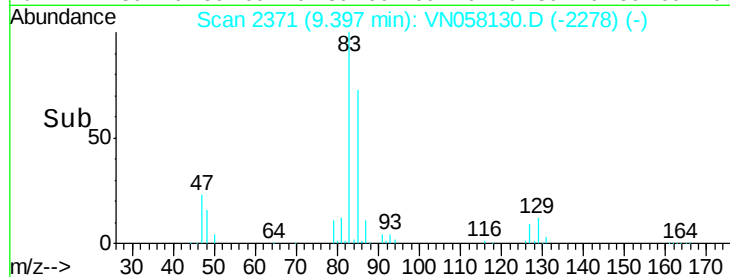
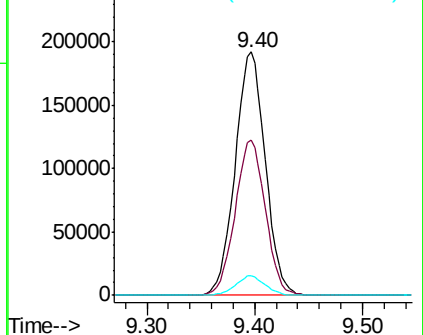
127 8.1 6.5 9.7



Abundance Ion 82.90 (82.60 to 83.60): VN058130.D (-2278) (-)

Ion 84.90 (84.60 to 85.60): VN058130.D (-2278) (-)

Ion 126.80 (126.50 to 127.50): VN058130.D (-2278) (-)



#48

Methyl methacrylate

Concen: 55.318 ug/l

RT: 9.19 min Scan# 2307

Delta R.T. 0.00 min

Lab File: VN058130.D

Acq: 16 Sep 2019 19:25

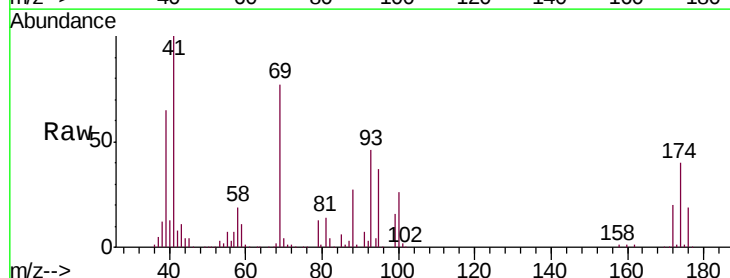
Tgt Ion: 41 Resp: 294053

Ion Ratio Lower Upper

41 100

69 78.4 62.7 94.1

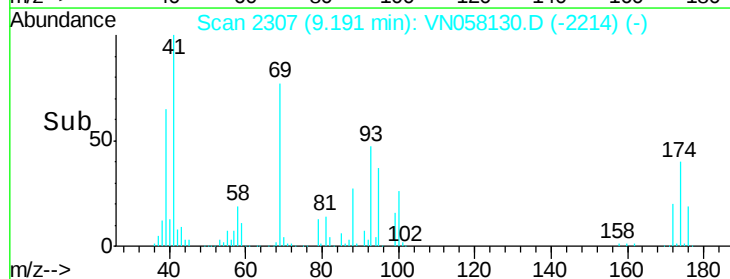
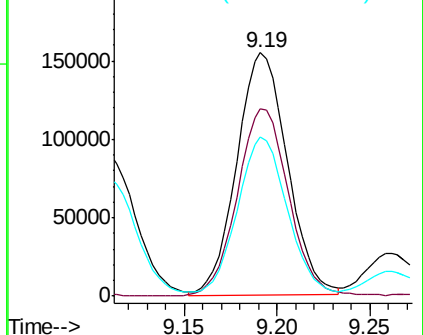
39 65.0 52.7 79.1

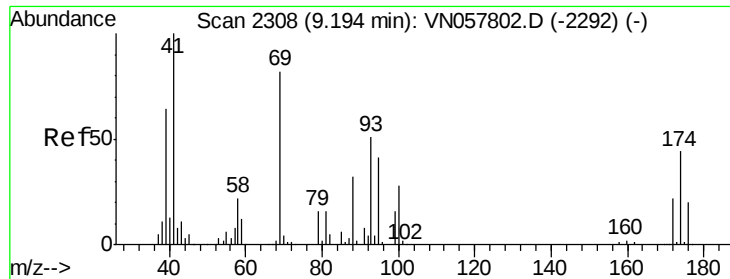


Abundance Ion 41.00 (40.70 to 41.70): VN058130.D (-2214) (-)

Ion 69.00 (68.70 to 69.70): VN058130.D (-2214) (-)

Ion 39.00 (38.70 to 39.70): VN058130.D (-2214) (-)

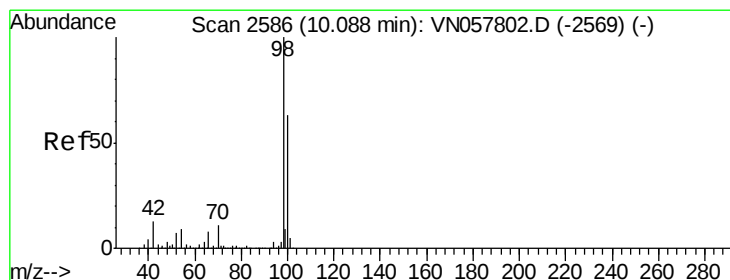
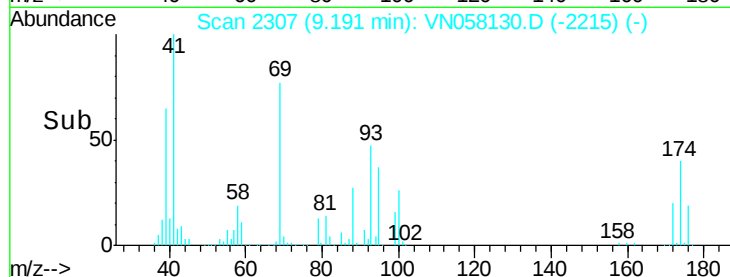
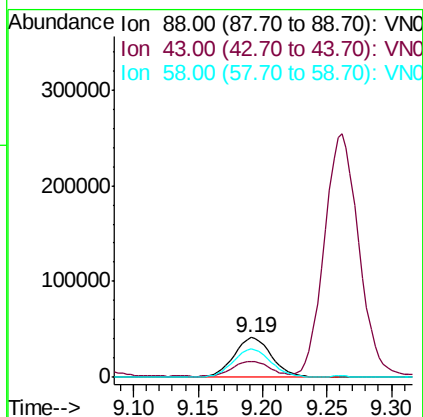
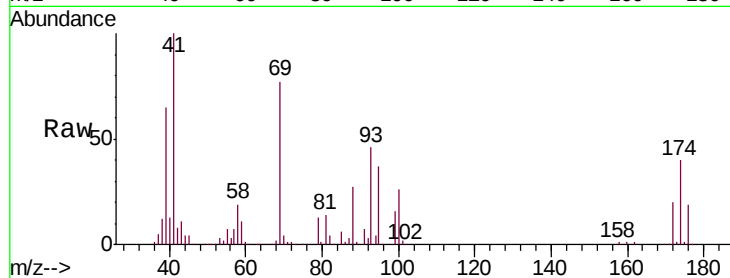




#49
 1,4-Dioxane
 Concen: 940.761 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. -0.00 min
 Lab File: VN058130.D
 Acq: 16 Sep 2019 19:25

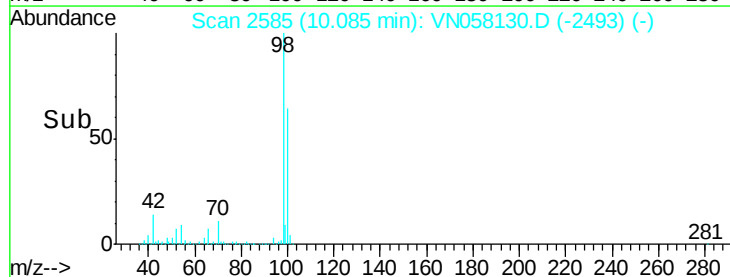
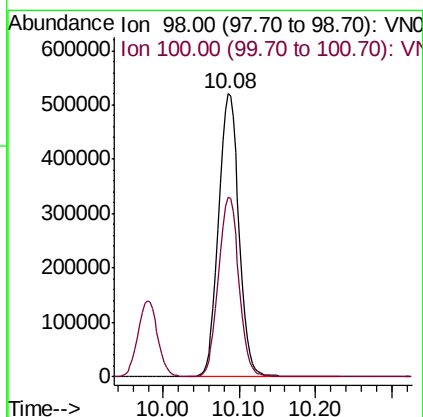
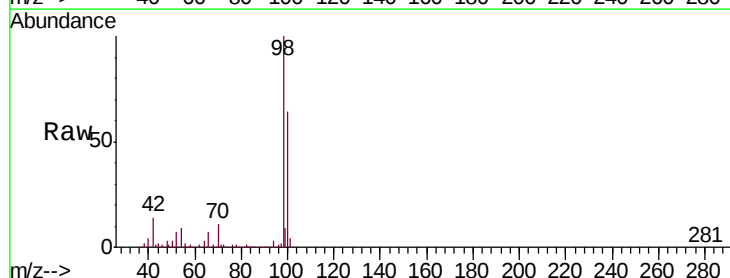
Instrument :
 MSVOA_N
 ClientSampleId :
 VE-4-11MS

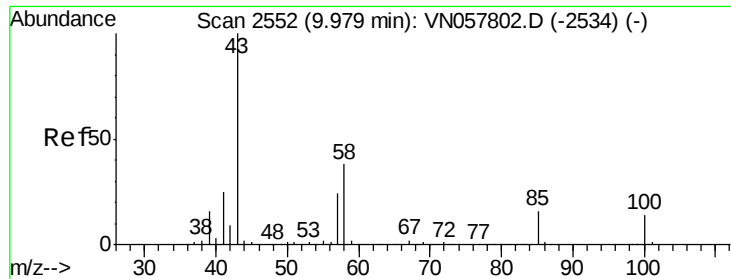
Tgt Ion: 88 Resp: 84567
 Ion Ratio Lower Upper
 88 100
 43 37.2 28.5 42.7
 58 72.2 55.8 83.6



#50
 Toluene-d8
 Concen: 52.188 ug/l
 RT: 10.08 min Scan# 2585
 Delta R.T. -0.00 min
 Lab File: VN058130.D
 Acq: 16 Sep 2019 19:25

Tgt Ion: 98 Resp: 972539
 Ion Ratio Lower Upper
 98 100
 100 63.6 50.3 75.5





#51

4-Methyl-2-Pentanone

Concen: 305.019 ug/l

RT: 9.98 min Scan# 2552

Delta R.T. 0.00 min

Lab File: VN058130.D

Acq: 16 Sep 2019 19:25

Instrument :

MSVOA_N

ClientSampled :

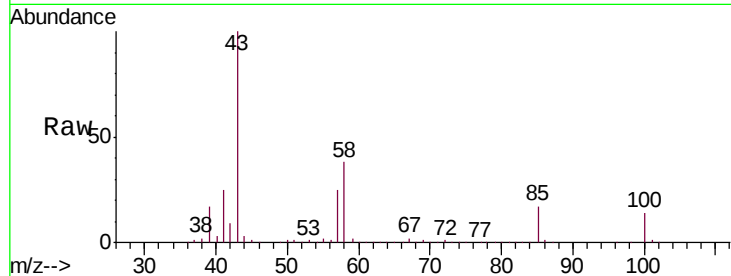
VE-4-11MS

Tgt Ion: 43 Resp: 1891469

Ion Ratio Lower Upper

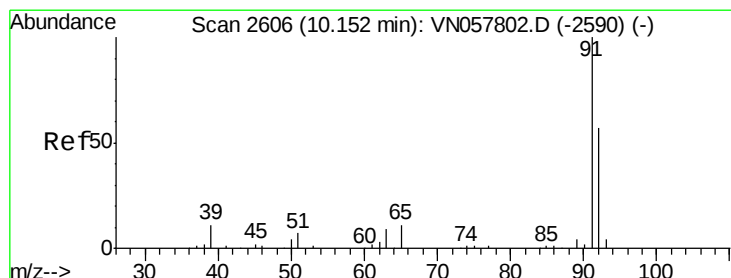
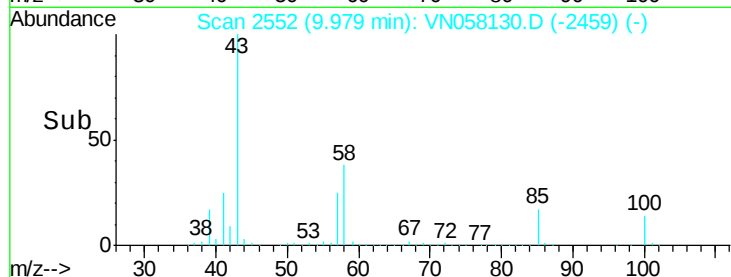
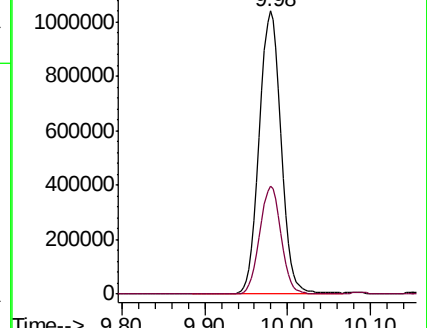
43 100

58 37.5 29.8 44.6



Abundance Ion 43.00 (42.70 to 43.70): VN057802.D (-2534) (-)

Ion 58.00 (57.70 to 58.70): VN057802.D (-2534) (-)



#52

Toluene

Concen: 52.723 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. 0.00 min

Lab File: VN058130.D

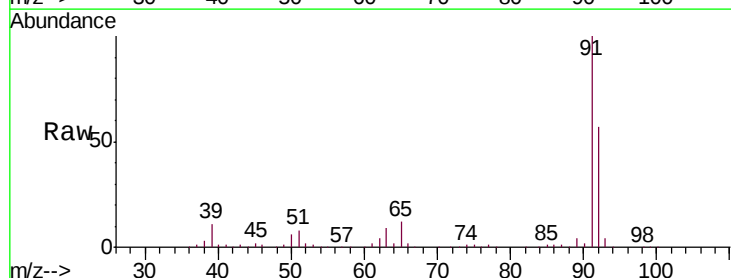
Acq: 16 Sep 2019 19:25

Tgt Ion: 92 Resp: 602959

Ion Ratio Lower Upper

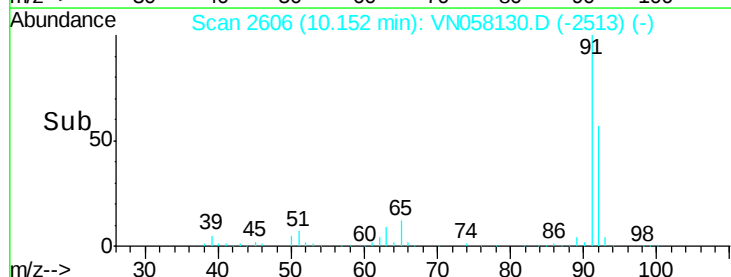
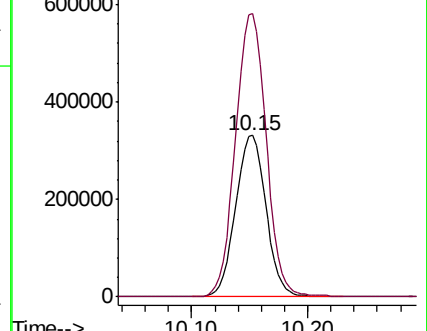
92 100

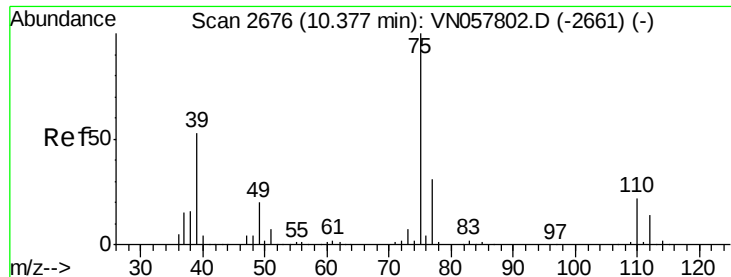
91 177.6 141.0 211.6



Abundance Ion 92.00 (91.70 to 92.70): VN057802.D (-2590) (-)

Ion 91.00 (90.70 to 91.70): VN057802.D (-2590) (-)

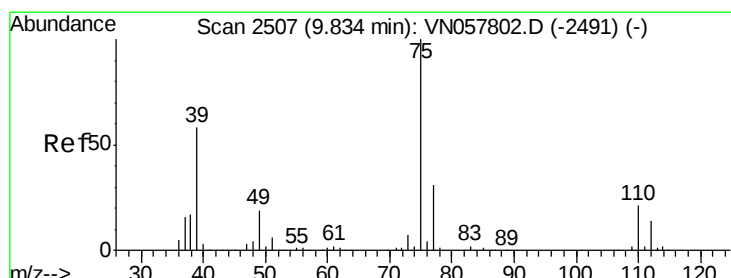
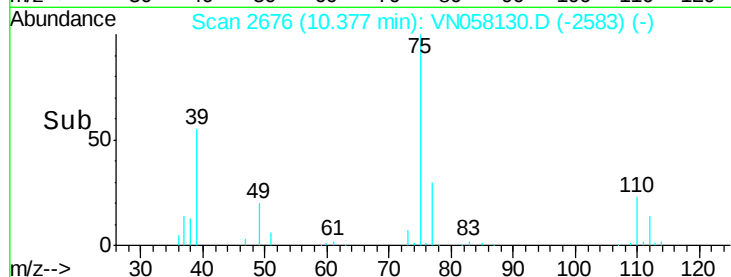
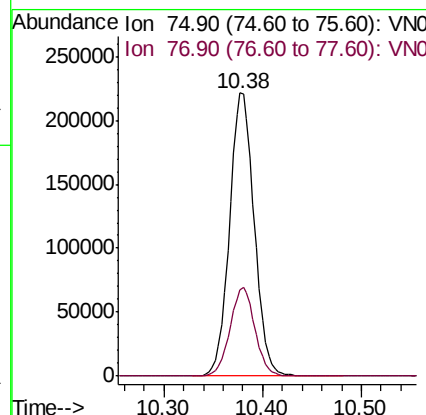
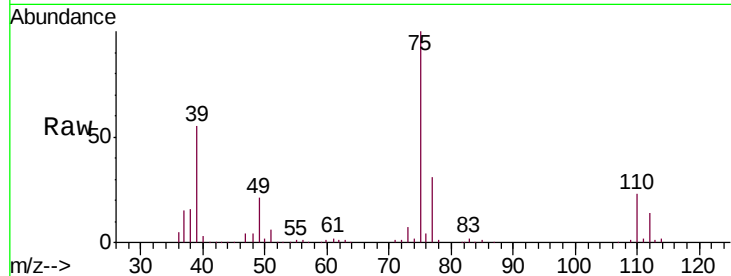




#53
 t-1,3-Dichloropropene
 Concen: 57.500 ug/l
 RT: 10.38 min Scan# 2676
 Delta R.T. 0.00 min
 Lab File: VN058130.D
 Acq: 16 Sep 2019 19:25

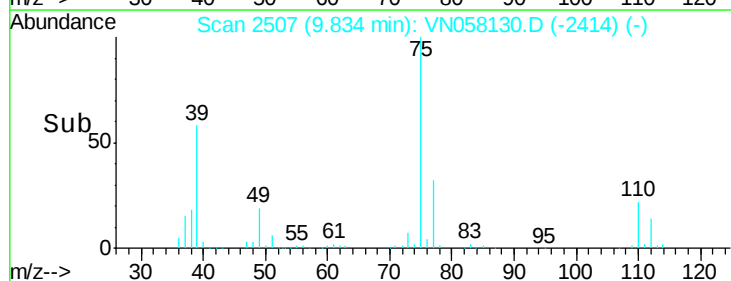
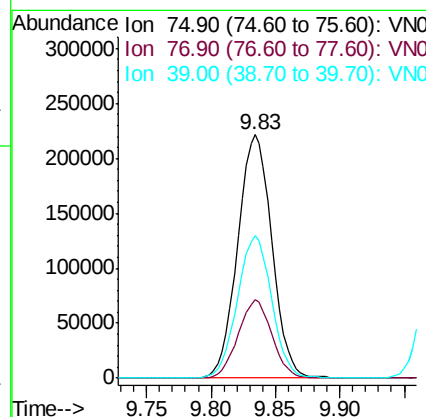
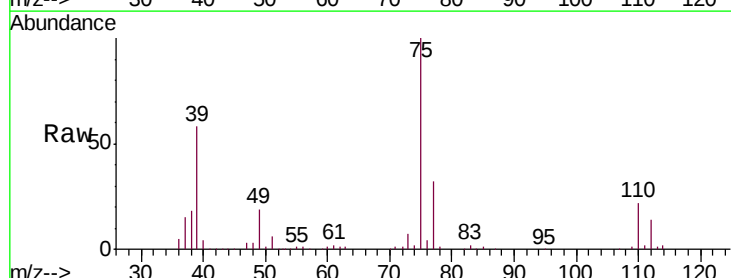
Instrument :
 MSVOA_N
 ClientSampleId :
 VE-4-11MS

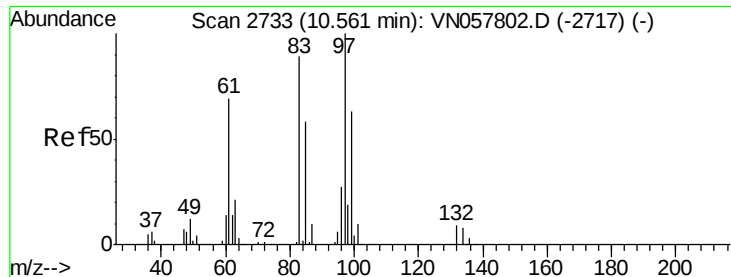
Tgt Ion: 75 Resp: 386050
 Ion Ratio Lower Upper
 75 100
 77 30.5 24.5 36.7



#54
 cis-1,3-Dichloropropene
 Concen: 55.156 ug/l
 RT: 9.83 min Scan# 2507
 Delta R.T. 0.00 min
 Lab File: VN058130.D
 Acq: 16 Sep 2019 19:25

Tgt Ion: 75 Resp: 408854
 Ion Ratio Lower Upper
 75 100
 77 32.1 24.8 37.2
 39 58.3 46.2 69.4





#55

1,1,2-Trichloroethane

Concen: 57.901 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VN058130.D

Acq: 16 Sep 2019 19:25

Instrument :

MSVOA_N

ClientSampleId :

VE-4-11MS

Tgt Ion: 97 Resp: 280491

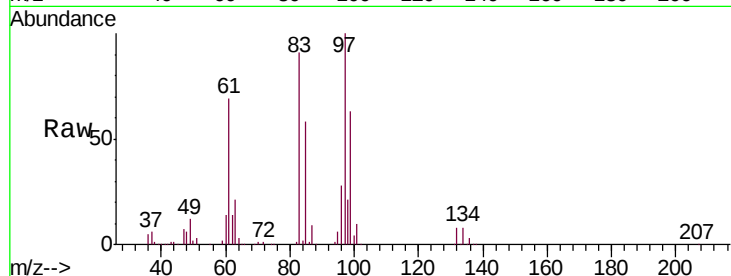
Ion Ratio Lower Upper

97 100

83 90.7 70.8 106.2

85 57.9 46.0 69.0

99 62.6 50.6 76.0

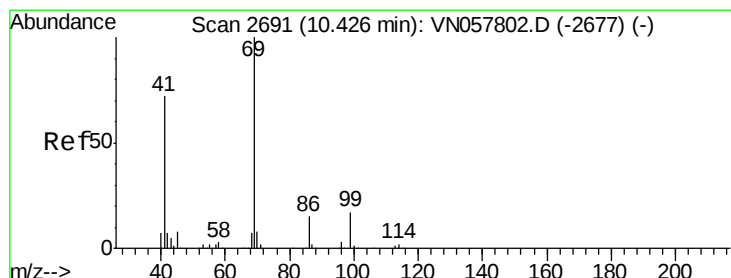
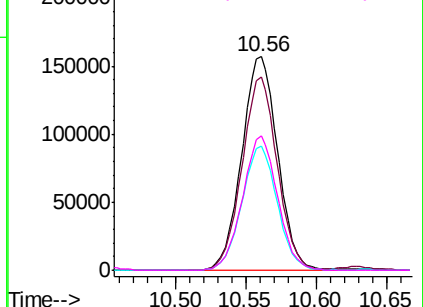
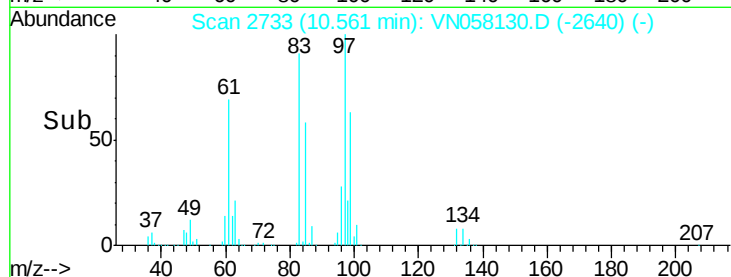


Abundance Ion 96.90 (96.60 to 97.60): VN058130.D (-2640) (-)

Ion 82.90 (82.60 to 83.60): VN058130.D (-2640) (-)

Ion 84.90 (84.60 to 85.60): VN058130.D (-2640) (-)

Ion 98.90 (98.60 to 99.60): VN058130.D (-2640) (-)



#56

Ethyl methacrylate

Concen: 57.691 ug/l

RT: 10.43 min Scan# 2691

Delta R.T. 0.00 min

Lab File: VN058130.D

Acq: 16 Sep 2019 19:25

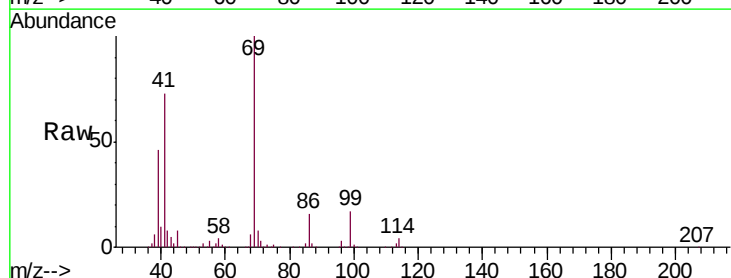
Tgt Ion: 69 Resp: 420857

Ion Ratio Lower Upper

69 100

41 71.6 56.7 85.1

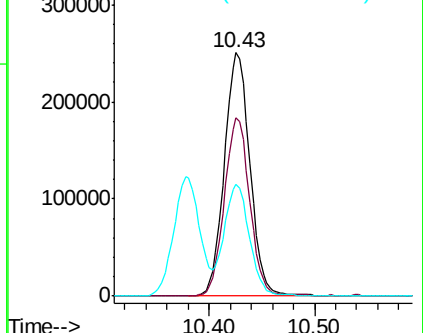
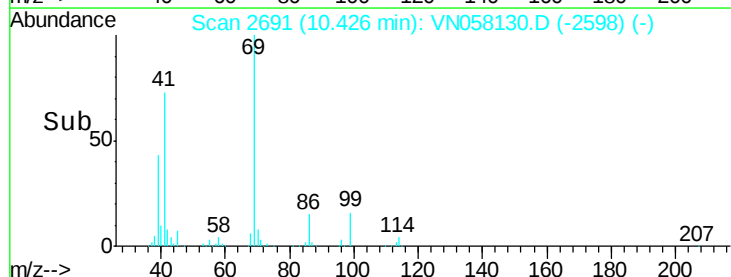
39 45.3 36.3 54.5



Abundance Ion 69.00 (68.70 to 69.70): VN058130.D (-2598) (-)

Ion 41.00 (40.70 to 41.70): VN058130.D (-2598) (-)

Ion 39.00 (38.70 to 39.70): VN058130.D (-2598) (-)





#57

1,3-Dichloropropane

Concen: 56.288 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN058130.D

Acq: 16 Sep 2019 19:25

Instrument :

MSVOA_N

ClientSampleId :

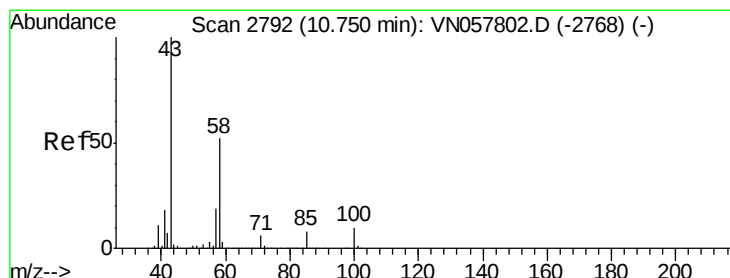
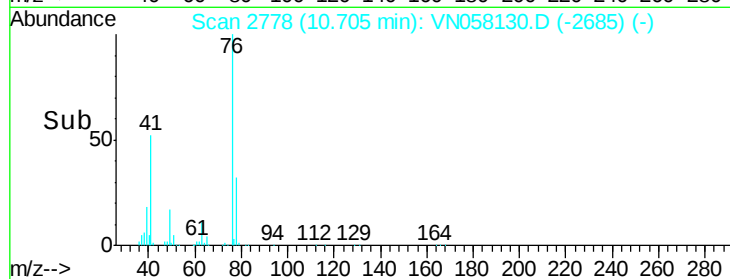
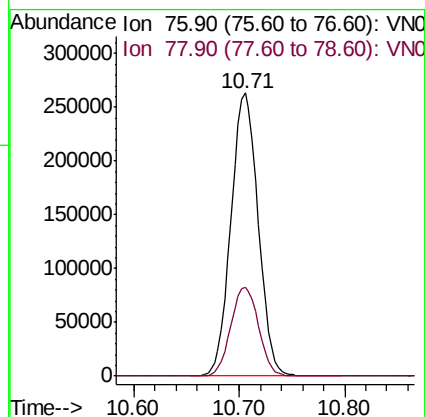
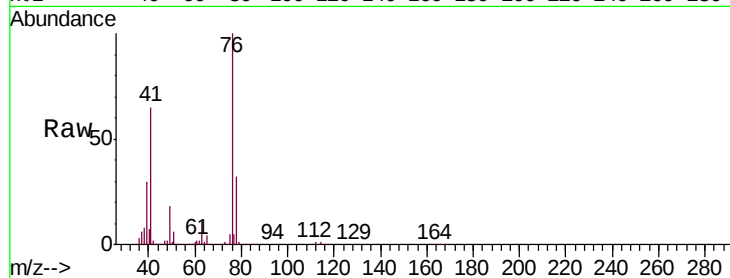
VE-4-11MS

Tgt Ion: 76 Resp: 469925

Ion Ratio Lower Upper

76 100

78 32.2 25.4 38.2



#59

2-Hexanone

Concen: 295.949 ug/l

RT: 10.75 min Scan# 2792

Delta R.T. 0.00 min

Lab File: VN058130.D

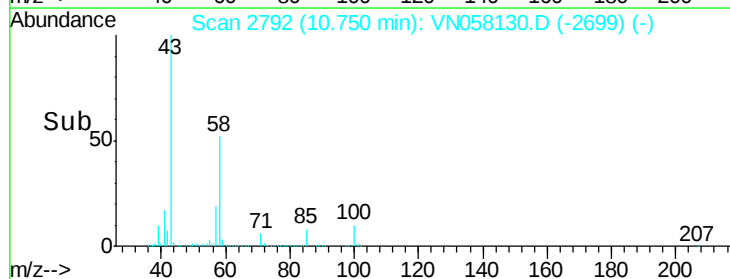
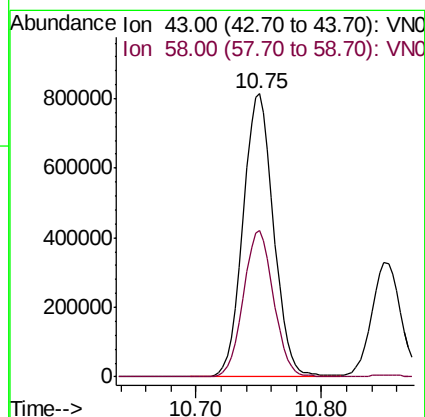
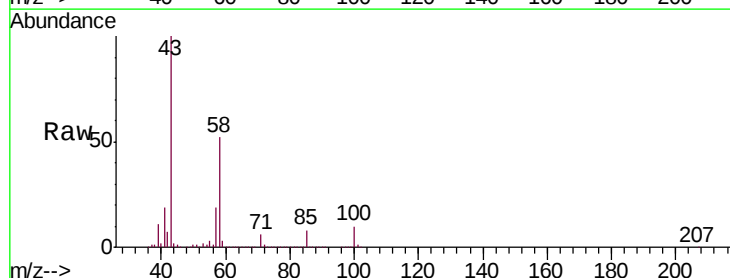
Acq: 16 Sep 2019 19:25

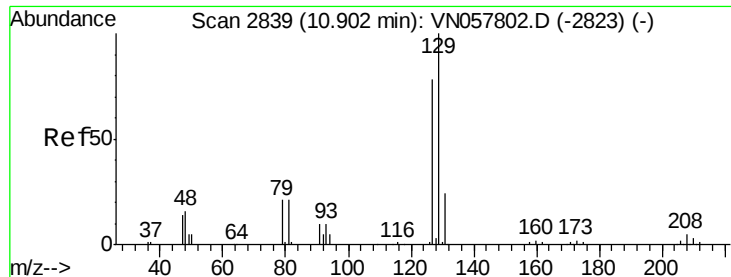
Tgt Ion: 43 Resp: 1375572

Ion Ratio Lower Upper

43 100

58 51.4 25.6 76.8





#60

Dibromochloromethane

Concen: 60.422 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. 0.00 min

Lab File: VN058130.D

Acq: 16 Sep 2019 19:25

Instrument :

MSVOA_N

ClientSampleId :

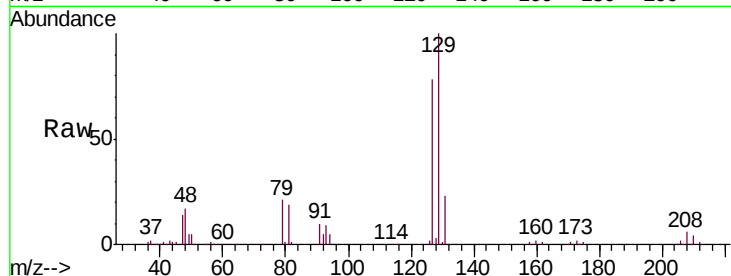
VE-4-11MS

Tgt Ion:129 Resp: 271804

Ion Ratio Lower Upper

129 100

127 77.5 38.6 116.0



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

10.90

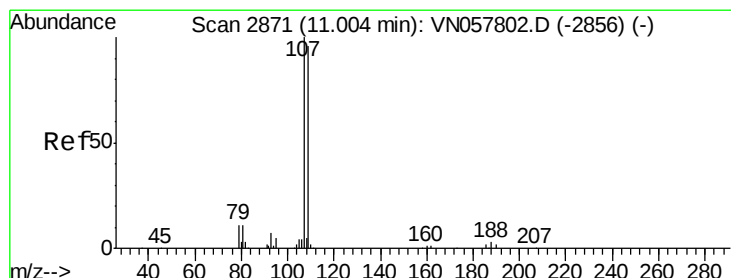
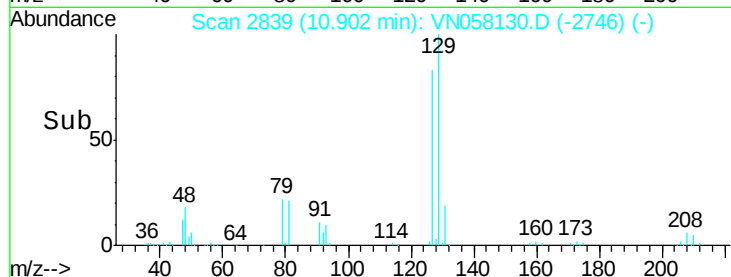
150000

100000

50000

0

Time--> 10.80 10.90 11.00



#61

1,2-Dibromoethane

Concen: 57.807 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN058130.D

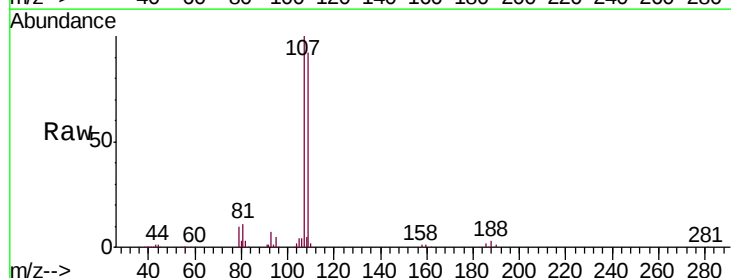
Acq: 16 Sep 2019 19:25

Tgt Ion:107 Resp: 264745

Ion Ratio Lower Upper

107 100

109 91.7 75.3 112.9



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.00

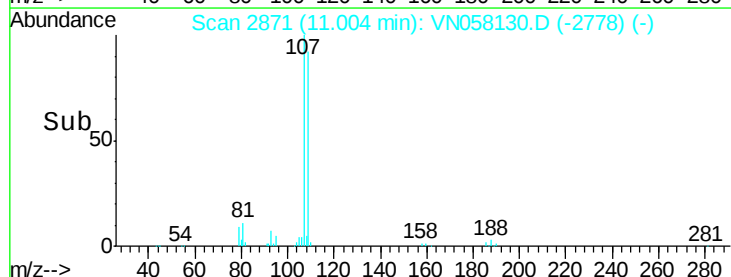
150000

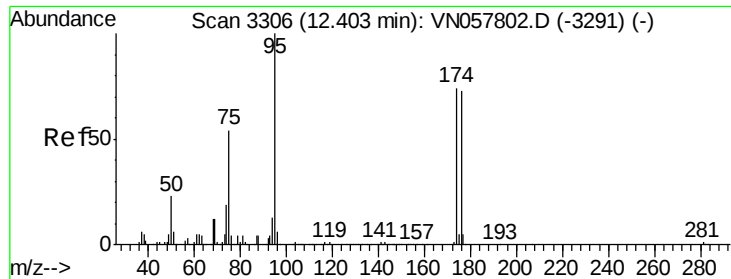
100000

50000

0

Time--> 10.90 11.00 11.10





#62

4-Bromofluorobenzene

Concen: 51.133 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN058130.D

Acq: 16 Sep 2019 19:25

Instrument :

MSVOA_N

ClientSampleId :

VE-4-11MS

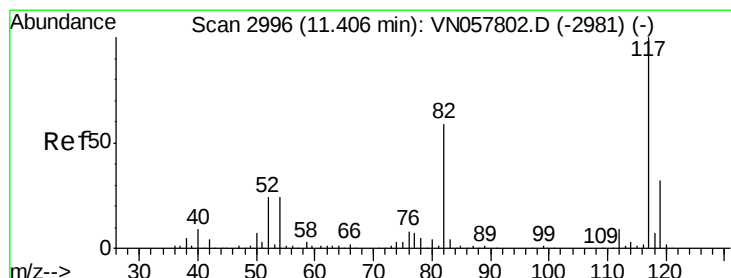
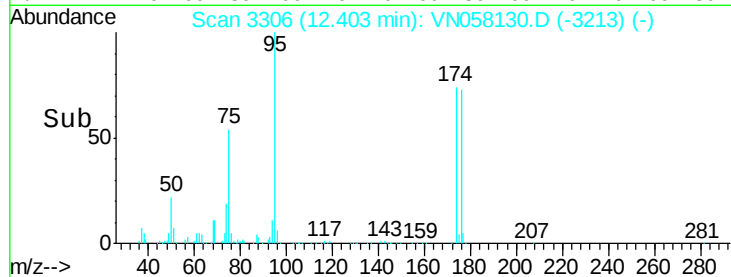
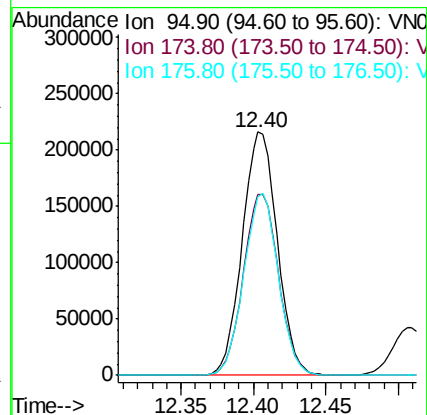
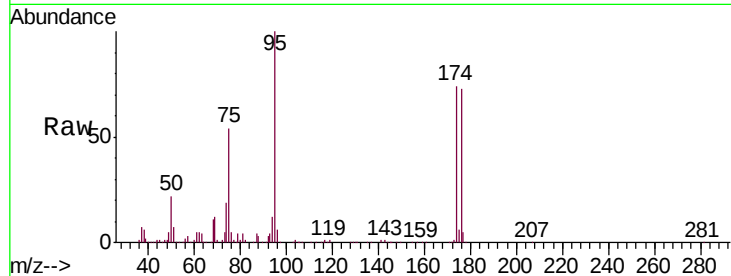
Tgt Ion: 95 Resp: 363132

Ion Ratio Lower Upper

95 100

174 75.1 0.0 150.2

176 73.8 0.0 146.0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN058130.D

Acq: 16 Sep 2019 19:25

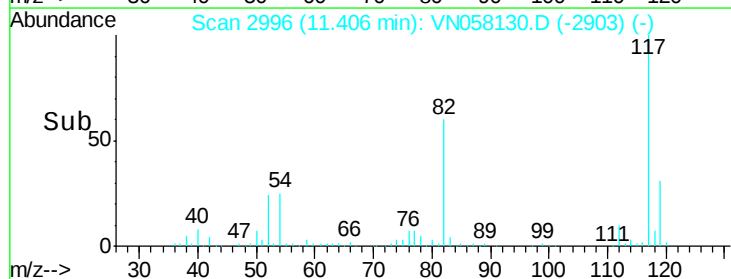
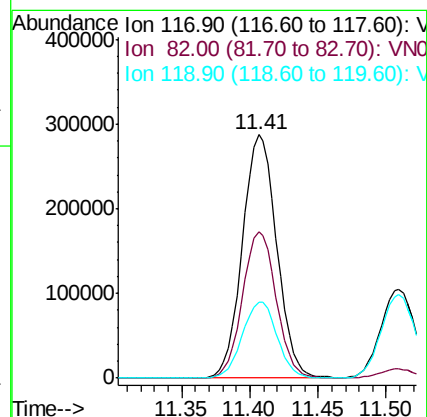
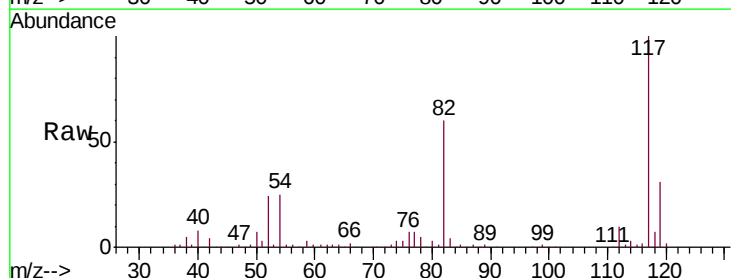
Tgt Ion: 117 Resp: 502788

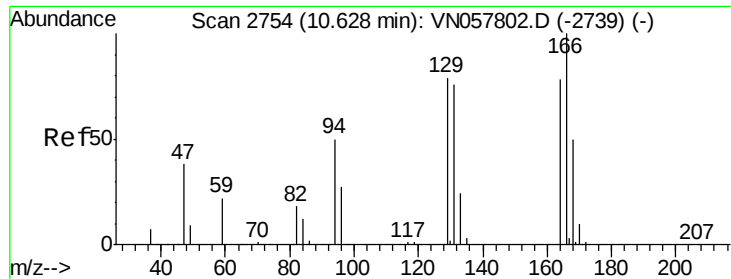
Ion Ratio Lower Upper

117 100

82 60.1 47.2 70.8

119 31.3 25.3 37.9





#64

Tetrachloroethene

Concen: 49.236 ug/l

RT: 10.63 min Scan# 2754

Delta R.T. 0.00 min

Lab File: VN058130.D

Acq: 16 Sep 2019 19:25

Instrument :

MSVOA_N

ClientSampleId :

VE-4-11MS

Tgt Ion:164 Resp: 182781

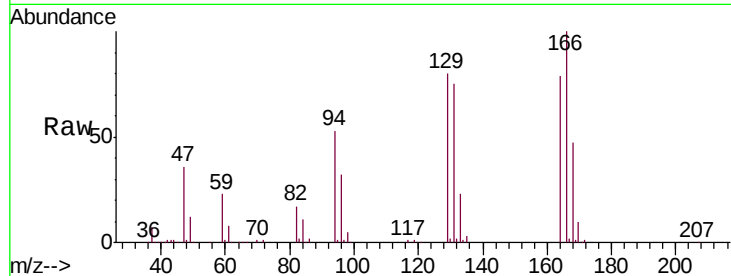
Ion Ratio Lower Upper

164 100

166 126.3 102.2 153.2

129 100.8 80.8 121.2

131 95.2 77.4 116.2

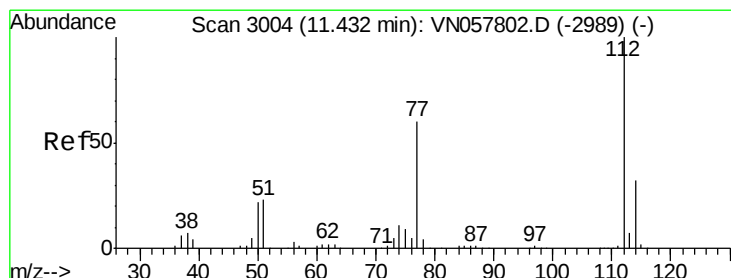
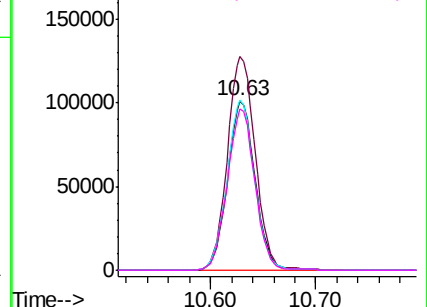
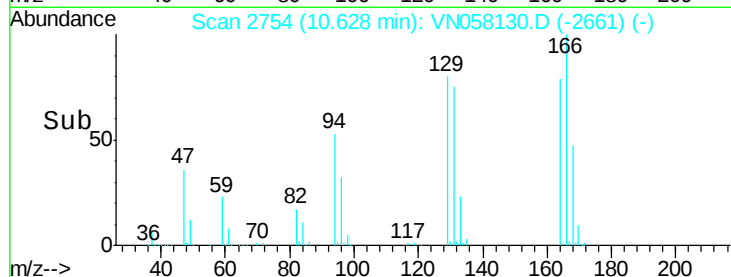


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#65

Chlorobenzene

Concen: 53.207 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN058130.D

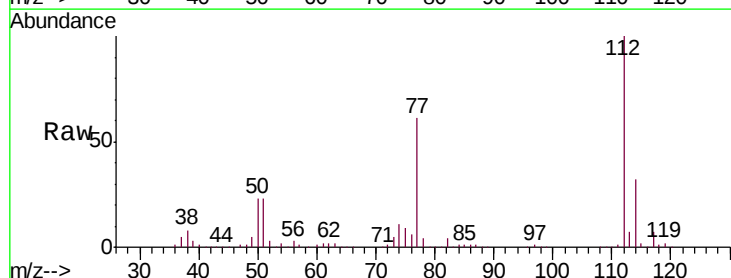
Acq: 16 Sep 2019 19:25

Tgt Ion:112 Resp: 700110

Ion Ratio Lower Upper

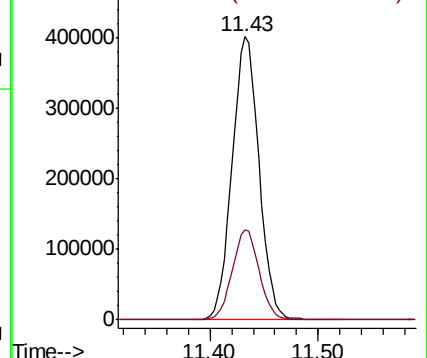
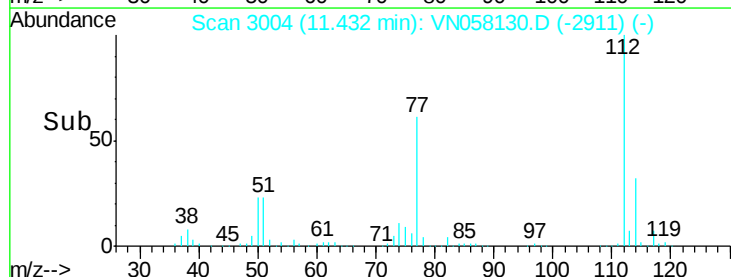
112 100

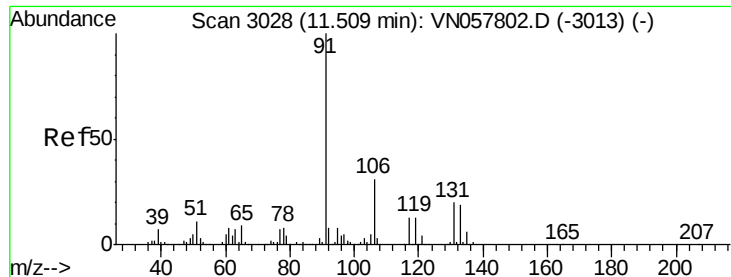
114 31.9 25.2 37.8



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V





#66

1,1,1,2-Tetrachloroethane

Concen: 58.067 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN058130.D

Acq: 16 Sep 2019 19:25

Instrument :

MSVOA_N

ClientSampleId :

VE-4-11MS

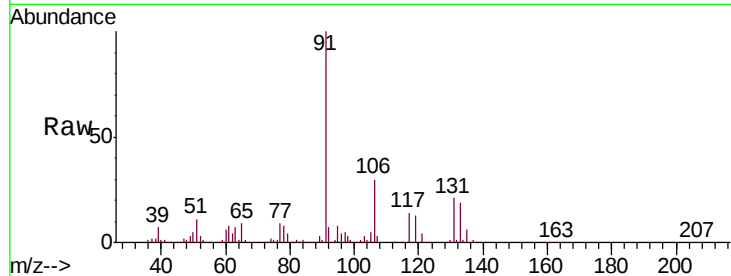
Tgt Ion:131 Resp: 265124

Ion Ratio Lower Upper

131 100

133 94.5 47.1 141.3

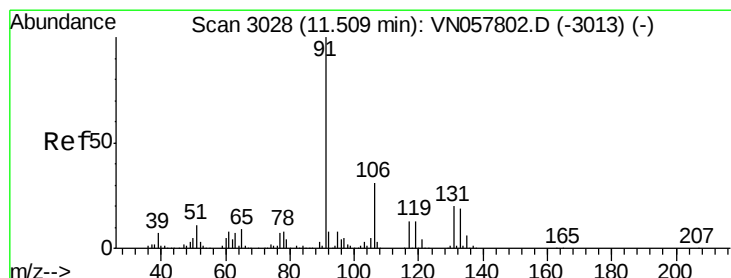
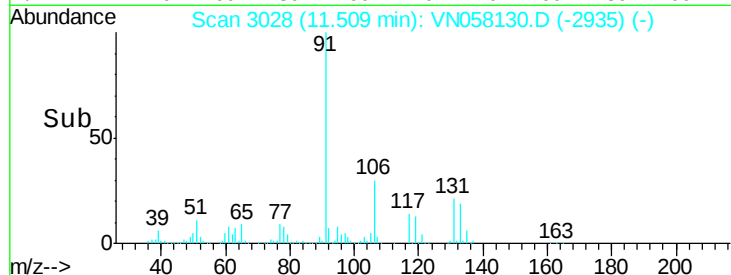
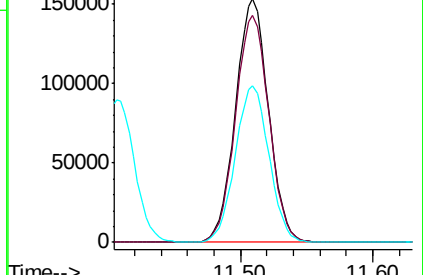
119 65.6 33.3 99.8



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V



#67

Ethyl Benzene

Concen: 54.445 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN058130.D

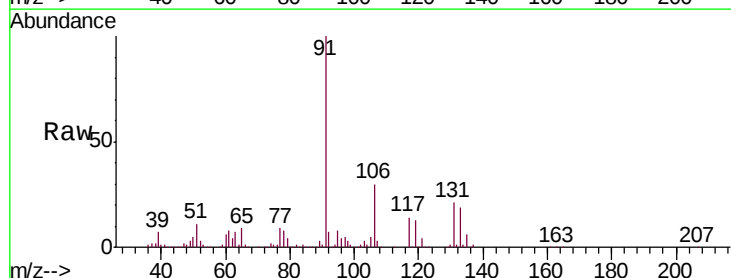
Acq: 16 Sep 2019 19:25

Tgt Ion: 91 Resp: 1255523

Ion Ratio Lower Upper

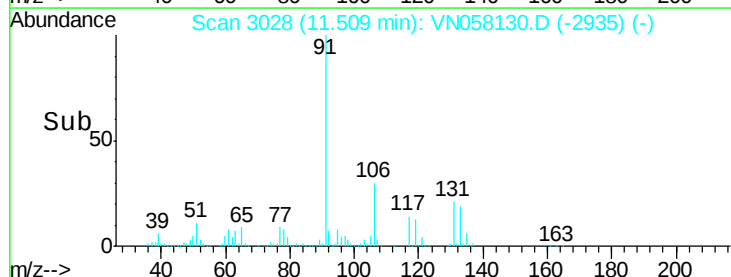
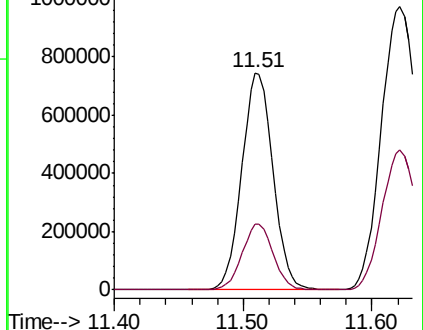
91 100

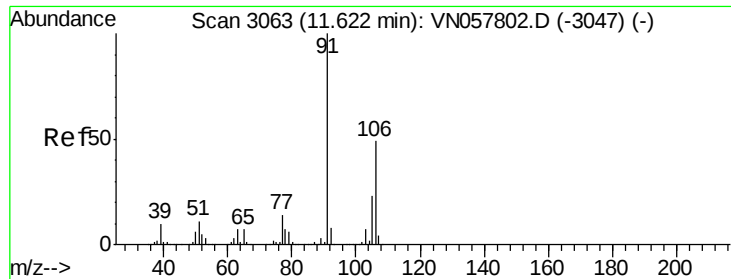
106 30.2 24.4 36.6



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V

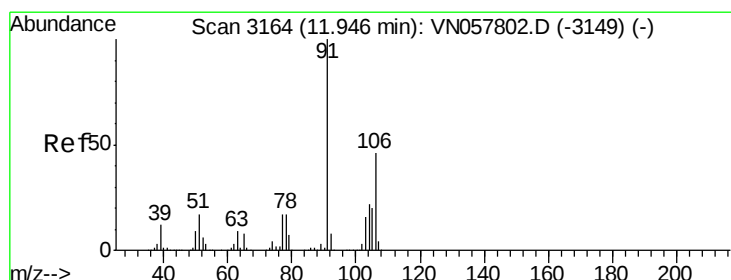
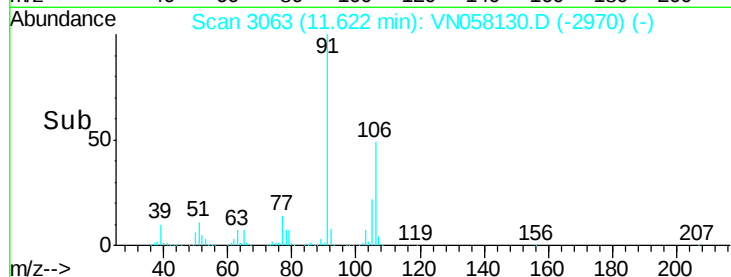
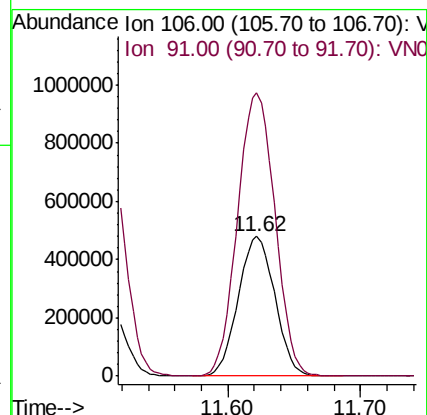
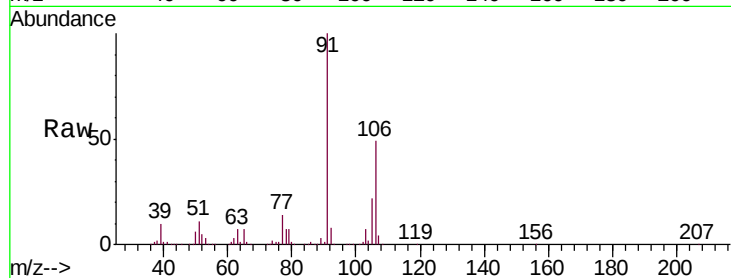




#68
m/p-Xylenes
Concen: 108.815 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN058130.D
Acq: 16 Sep 2019 19:25

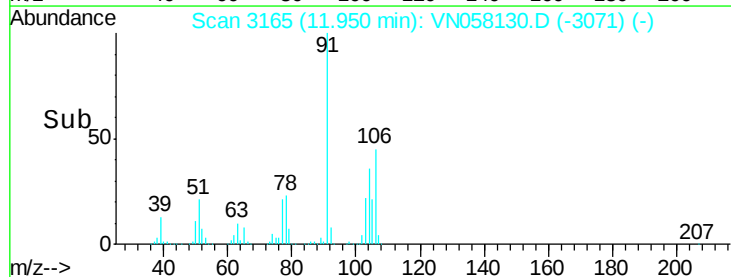
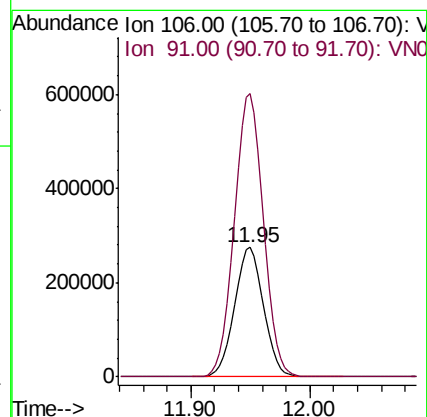
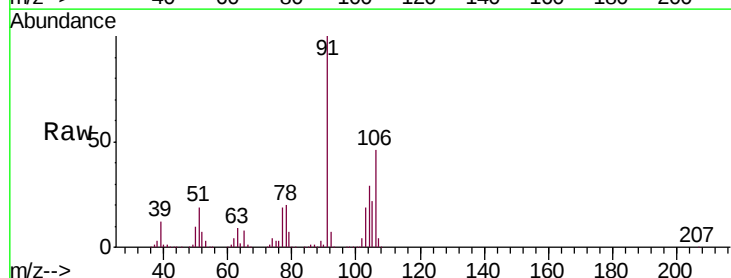
Instrument :
MSVOA_N
ClientSampled :
VE-4-11MS

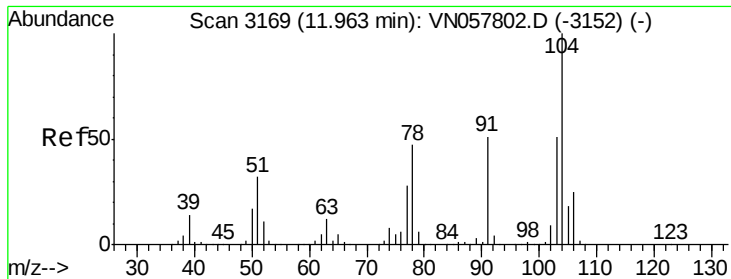
Tgt Ion:106 Resp: 919166
Ion Ratio Lower Upper
106 100
91 207.8 165.8 248.6



#69
o-Xylene
Concen: 55.066 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN058130.D
Acq: 16 Sep 2019 19:25

Tgt Ion:106 Resp: 462425
Ion Ratio Lower Upper
106 100
91 219.7 108.7 326.1

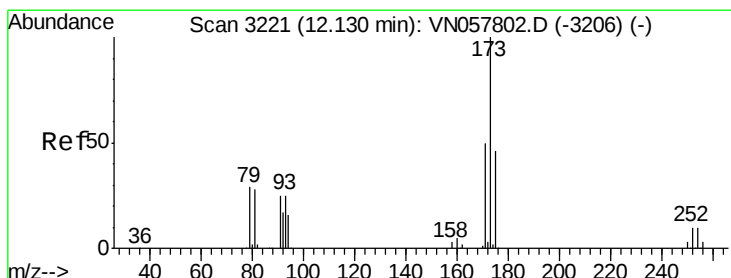
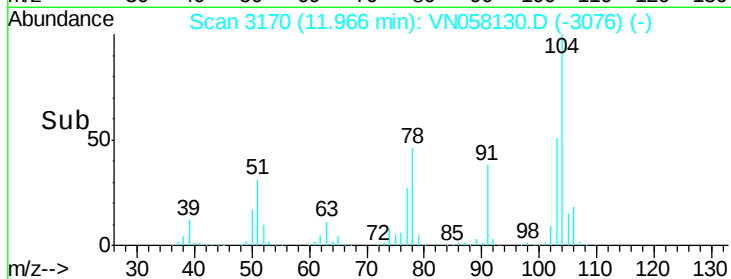
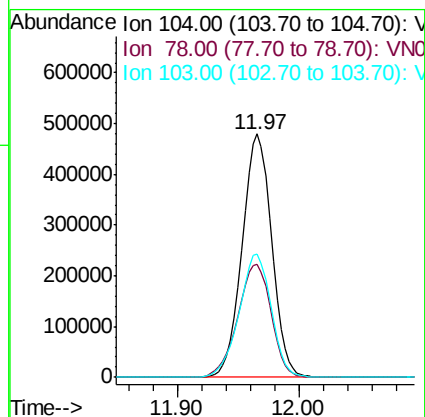
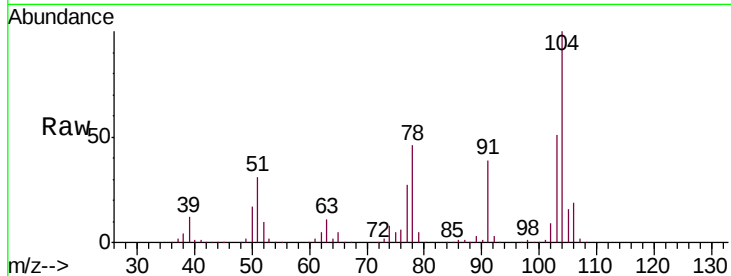




#70
Styrene
Concen: 55.432 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN058130.D
Acq: 16 Sep 2019 19:25

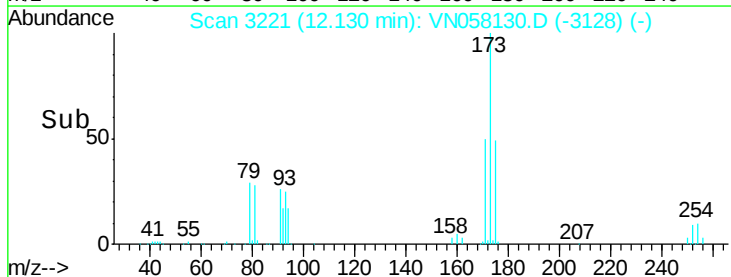
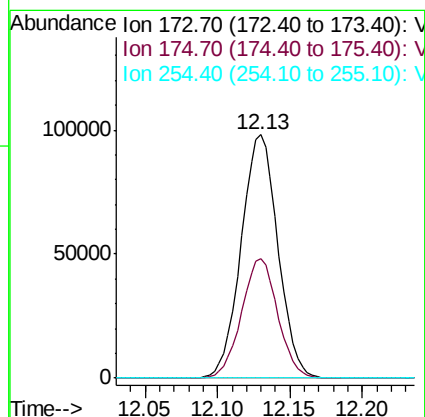
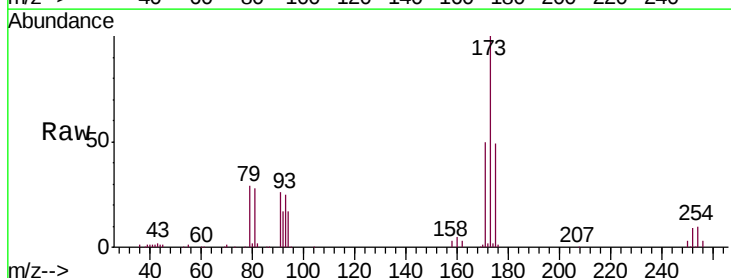
Instrument :
MSVOA_N
ClientSampled :
VE-4-11MS

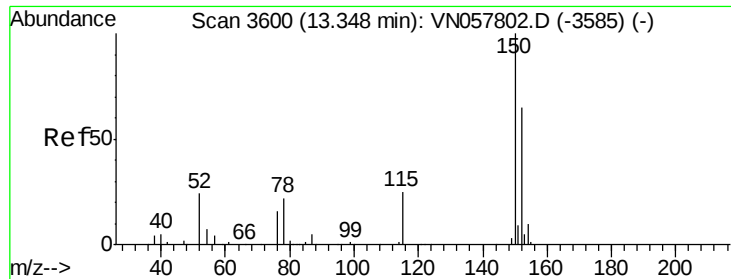
Tgt Ion:104 Resp: 801109
Ion Ratio Lower Upper
104 100
78 52.6 41.3 61.9
103 55.0 43.7 65.5



#71
Bromoform
Concen: 60.664 ug/l
RT: 12.13 min Scan# 3221
Delta R.T. 0.00 min
Lab File: VN058130.D
Acq: 16 Sep 2019 19:25

Tgt Ion:173 Resp: 172689
Ion Ratio Lower Upper
173 100
175 48.3 23.5 70.6
254 0.0 0.1 0.1#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3600

Delta R.T. 0.00 min

Lab File: VN058130.D

Acq: 16 Sep 2019 19:25

Instrument :

MSVOA_N

ClientSampleId :

VE-4-11MS

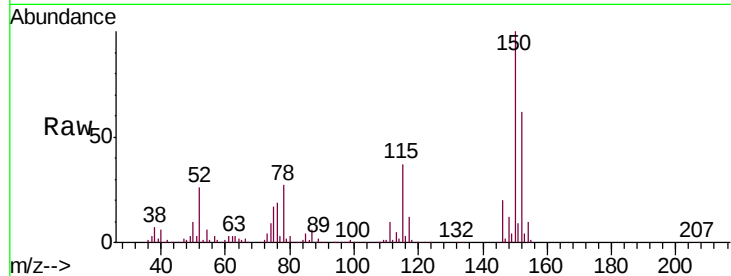
Tgt Ion:152 Resp: 310964

Ion Ratio Lower Upper

152 100

115 61.1 30.3 91.0

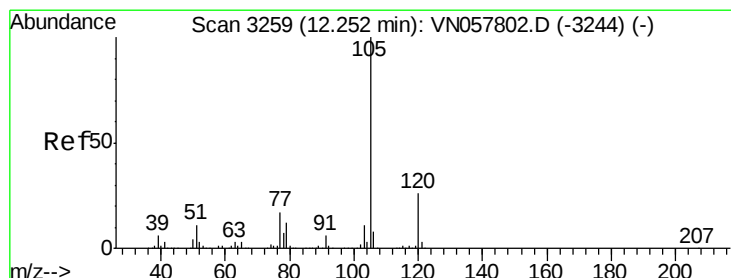
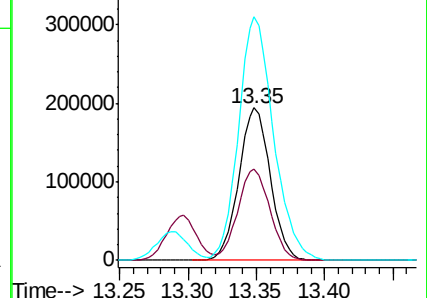
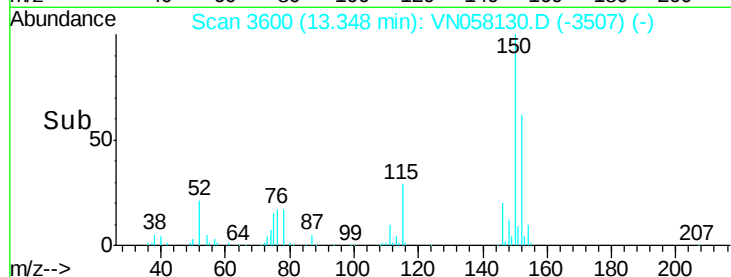
150 177.3 0.0 352.4



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: 53.142 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN058130.D

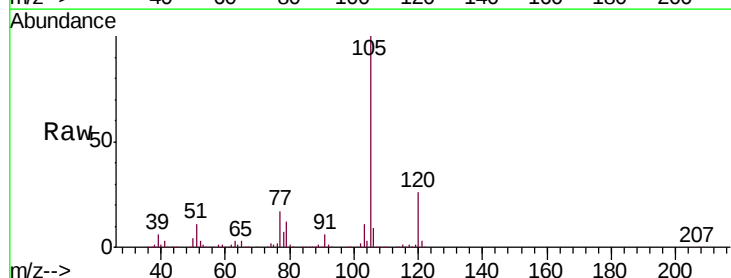
Acq: 16 Sep 2019 19:25

Tgt Ion:105 Resp: 1282314

Ion Ratio Lower Upper

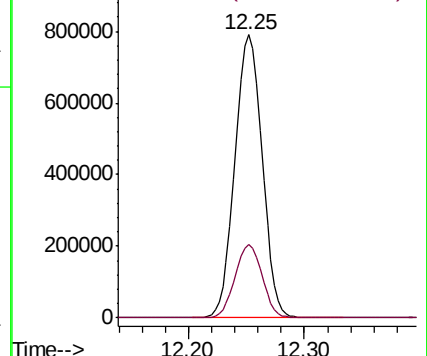
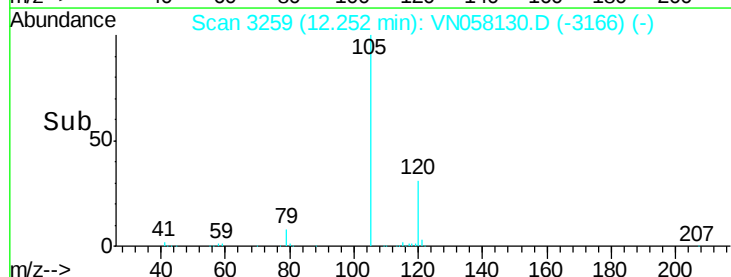
105 100

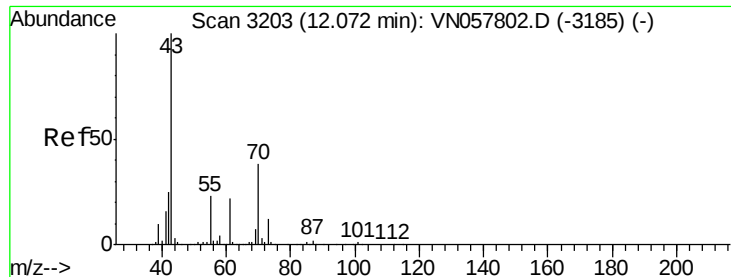
120 25.7 12.8 38.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amy1 acetate

Concen: 55.541 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN058130.D

Acq: 16 Sep 2019 19:25

Instrument :

MSVOA_N

ClientSampleId :

VE-4-11MS

Tgt Ion: 43 Resp: 583253

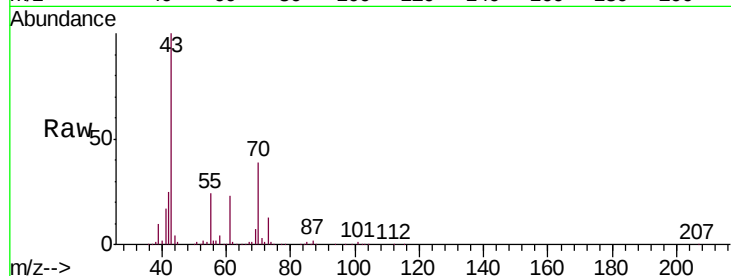
Ion Ratio Lower Upper

43 100

70 39.1 30.6 45.8

55 23.9 18.6 27.8

61 22.5 17.4 26.2

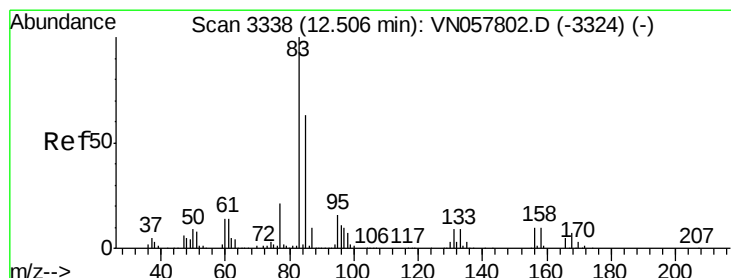
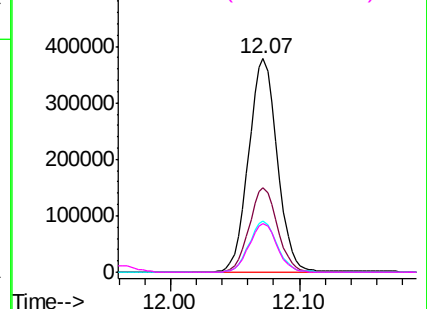
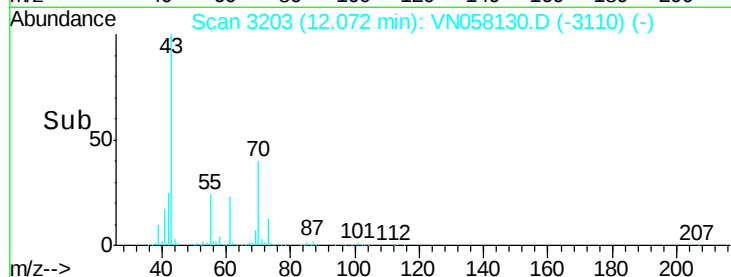


Abundance Ion 43.00 (42.70 to 43.70): VN057802.D (-3185) (-)

Ion 70.00 (69.70 to 70.70): VN057802.D (-3185) (-)

Ion 55.00 (54.70 to 55.70): VN057802.D (-3185) (-)

Ion 61.00 (60.70 to 61.70): VN057802.D (-3185) (-)



#75

1,1,2,2-Tetrachloroethane

Concen: 53.262 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN058130.D

Acq: 16 Sep 2019 19:25

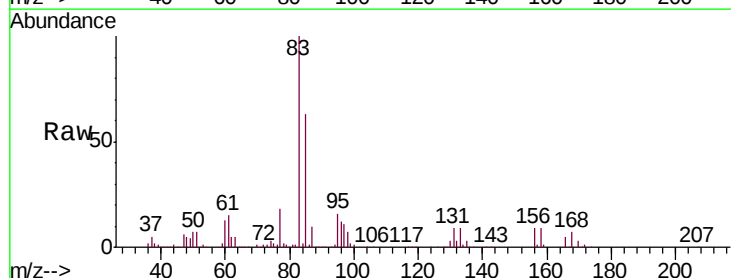
Tgt Ion: 83 Resp: 432729

Ion Ratio Lower Upper

83 100

131 9.6 4.8 14.3

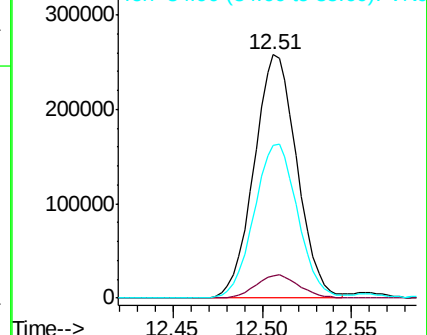
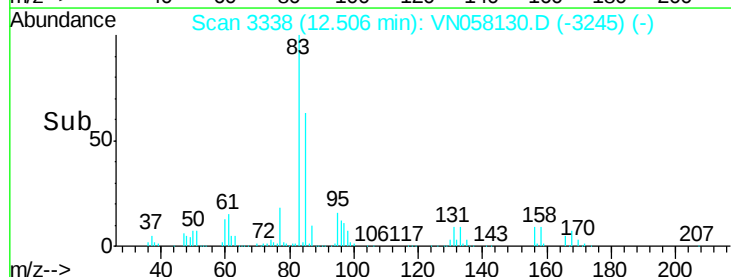
85 64.2 31.6 94.7

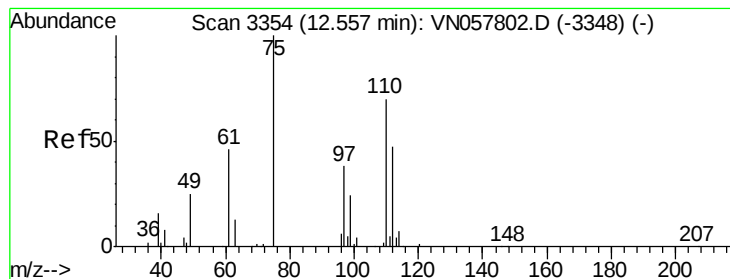


Abundance Ion 82.90 (82.60 to 83.60): VN057802.D (-3324) (-)

Ion 130.80 (130.50 to 131.50): VN057802.D (-3324) (-)

Ion 84.90 (84.60 to 85.60): VN057802.D (-3324) (-)





#76

1,2,3-Trichloropropane

Concen: 73.716 ug/l

RT: 12.56 min Scan# 3354

Delta R.T. 0.00 min

Lab File: VN058130.D

Acq: 16 Sep 2019 19:25

Instrument :

MSVOA_N

ClientSampleId :

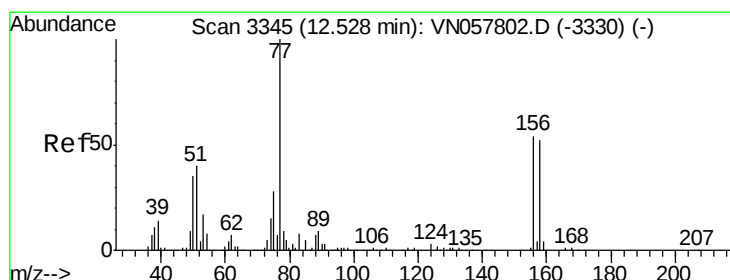
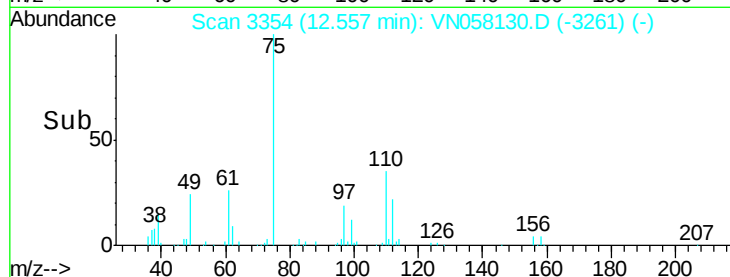
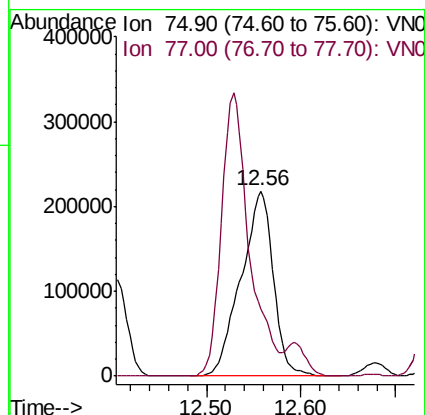
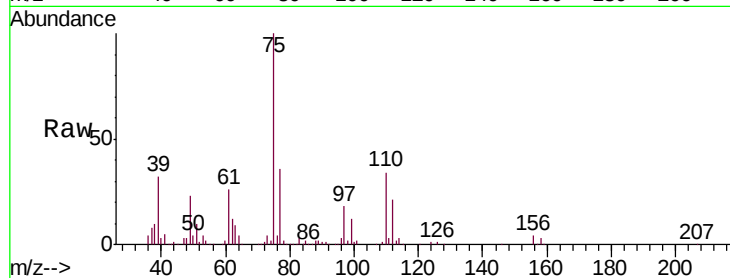
VE-4-11MS

Tgt Ion: 75 Resp: 518555

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0



#77

Bromobenzene

Concen: 50.619 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN058130.D

Acq: 16 Sep 2019 19:25

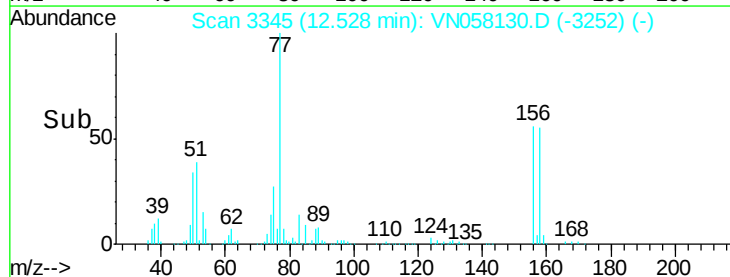
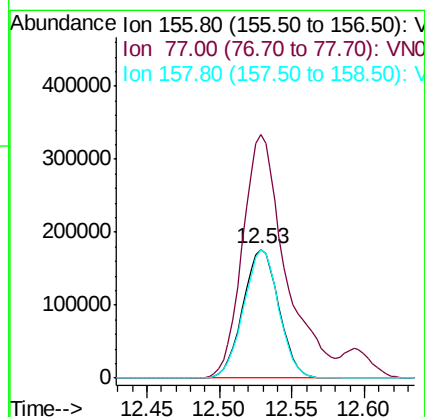
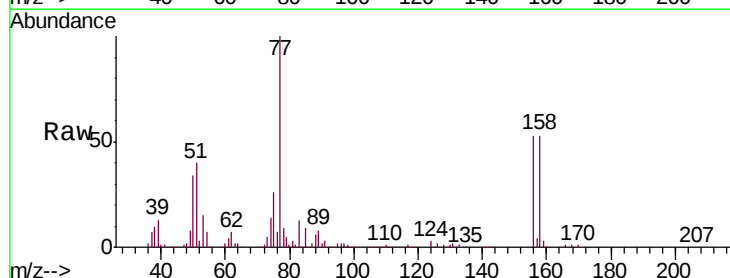
Tgt Ion: 156 Resp: 304525

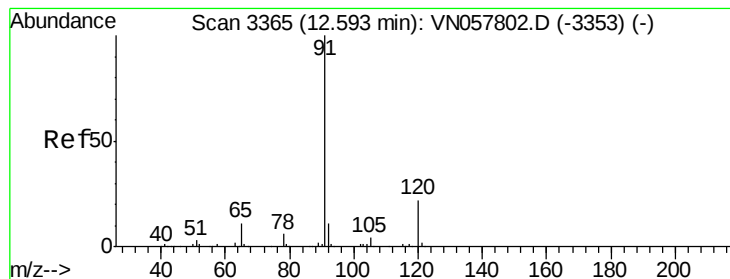
Ion Ratio Lower Upper

156 100

77 225.9 113.7 341.1

158 97.3 48.5 145.6





#78

n-propylbenzene

Concen: 54.340 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN058130.D

Acq: 16 Sep 2019 19:25

Instrument :

MSVOA_N

ClientSampled :

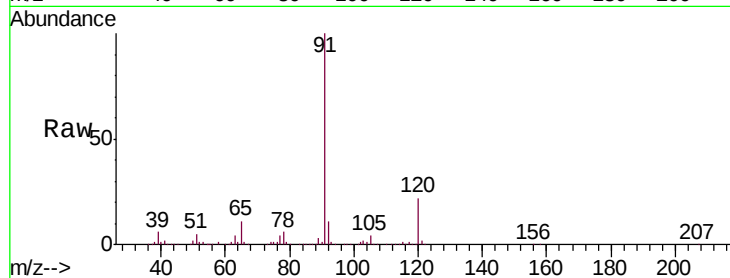
VE-4-11MS

Tgt Ion: 91 Resp: 1505677

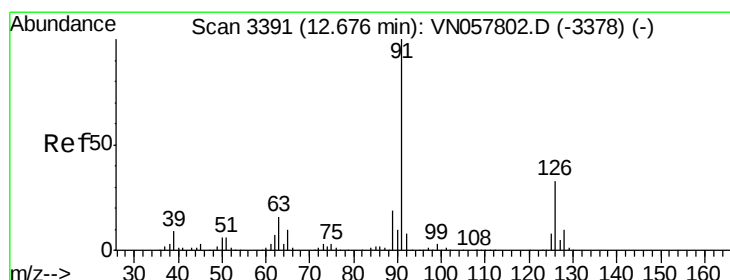
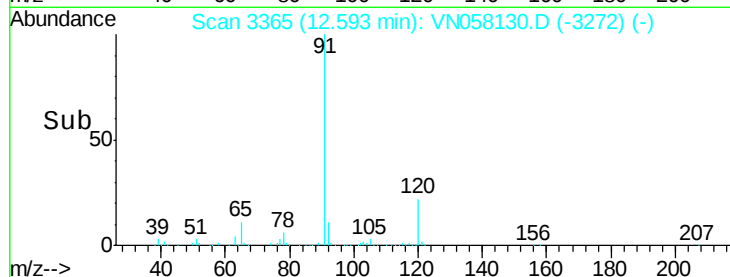
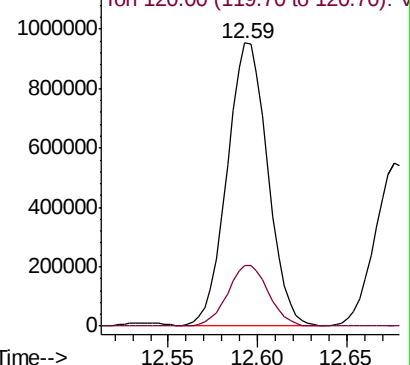
Ion Ratio Lower Upper

91 100

120 21.7 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): VN058130.D (-3272) (-)



#79

2-Chlorotoluene

Concen: 51.735 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN058130.D

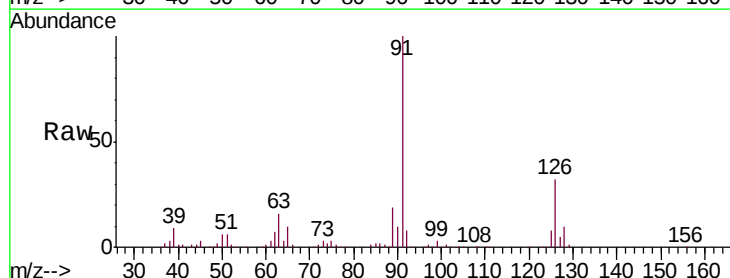
Acq: 16 Sep 2019 19:25

Tgt Ion: 91 Resp: 906022

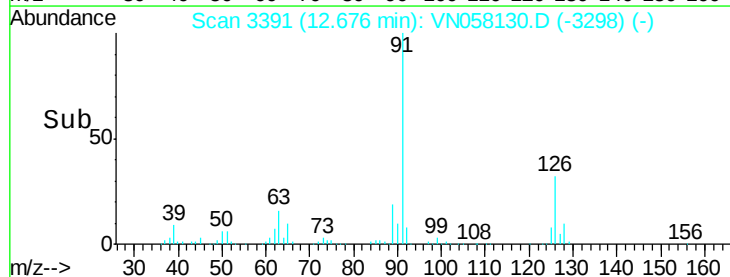
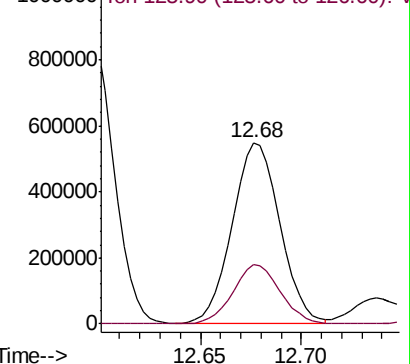
Ion Ratio Lower Upper

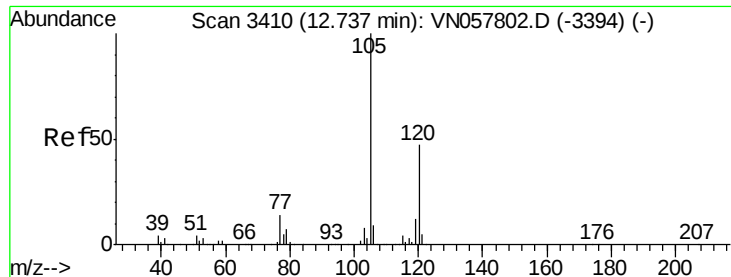
91 100

126 32.4 16.4 49.2



Abundance Ion 91.00 (90.70 to 91.70): VN058130.D (-3298) (-)

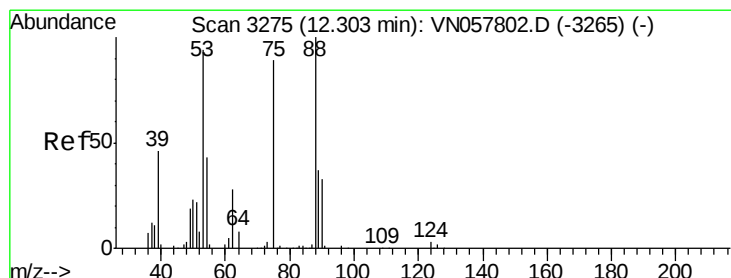
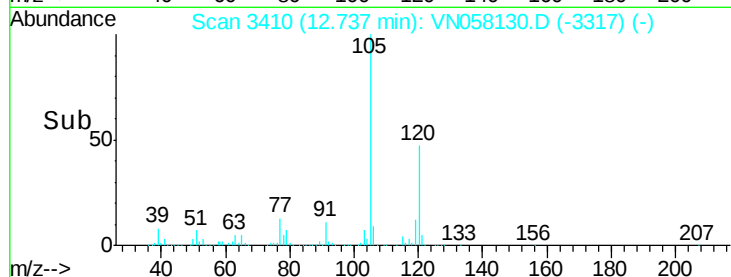
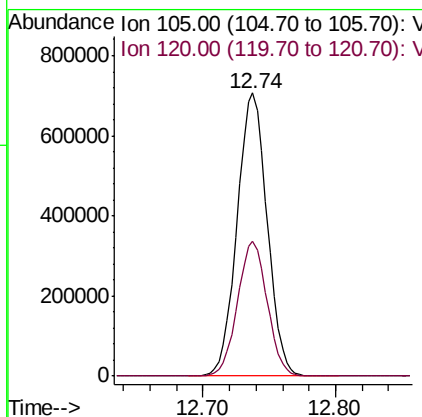
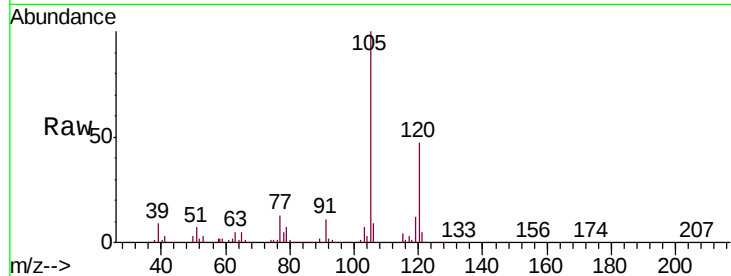




#80
 1,3,5-Trimethylbenzene
 Concen: 54.364 ug/l
 RT: 12.74 min Scan# 3410
 Delta R.T. 0.00 min
 Lab File: VN058130.D
 Acq: 16 Sep 2019 19:25

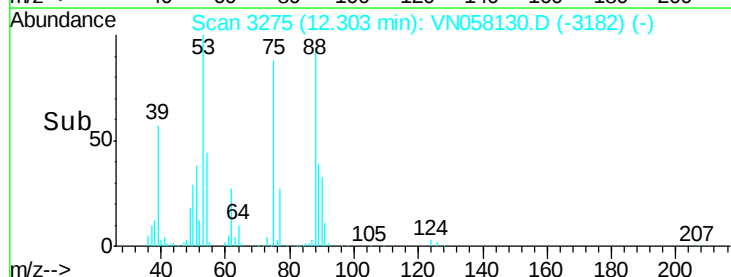
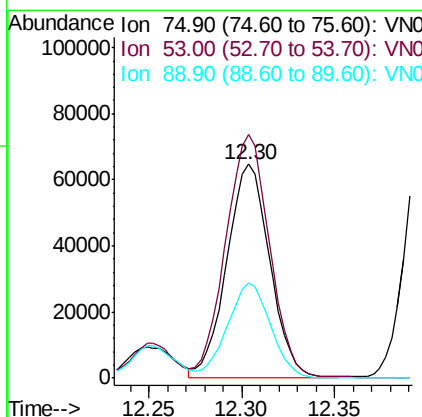
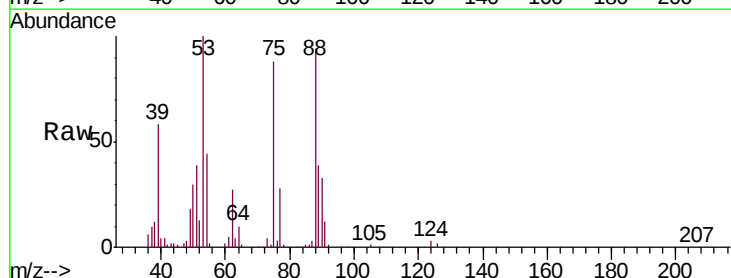
Instrument :
 MSVOA_N
 ClientSampled :
 VE-4-11MS

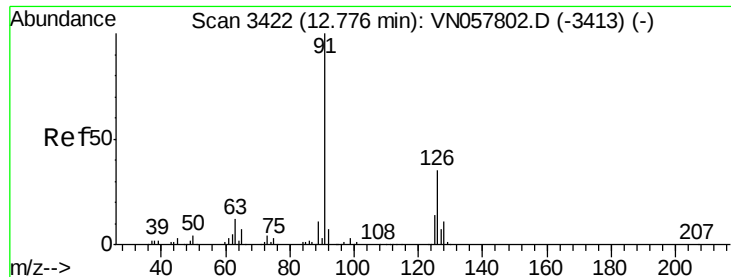
Tgt Ion: 105 Resp: 1108386
 Ion Ratio Lower Upper
 105 100
 120 47.2 23.7 71.1



#81
 trans-1,4-Dichloro-2-butene
 Concen: 52.278 ug/l
 RT: 12.30 min Scan# 3275
 Delta R.T. 0.00 min
 Lab File: VN058130.D
 Acq: 16 Sep 2019 19:25

Tgt Ion: 75 Resp: 104505
 Ion Ratio Lower Upper
 75 100
 53 116.5 88.4 132.6
 89 44.6 35.3 52.9





#82

4-Chlorotoluene

Concen: 53.110 ug/l

RT: 12.78 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN058130.D

Acq: 16 Sep 2019 19:25

Instrument :

MSVOA_N

ClientSampleId :

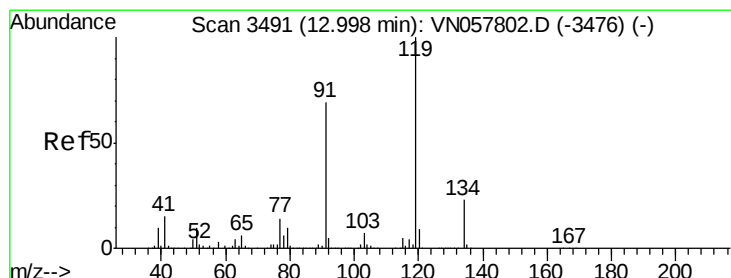
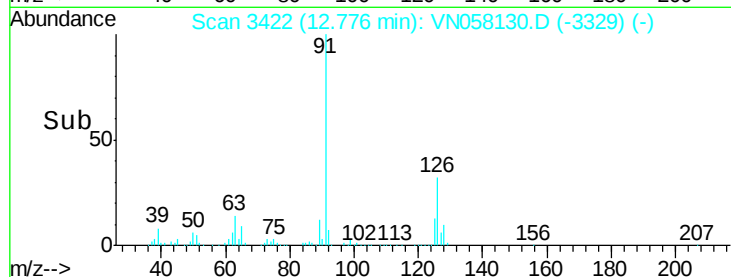
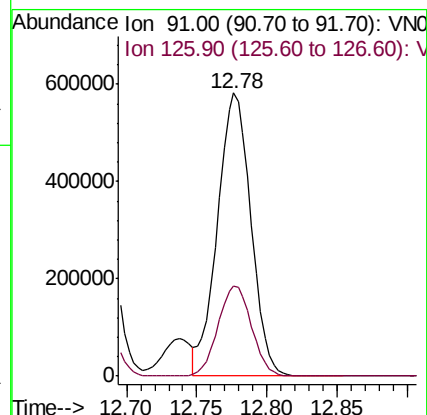
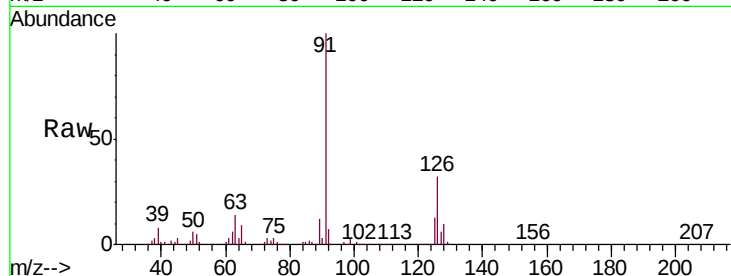
VE-4-11MS

Tgt Ion: 91 Resp: 955131

Ion Ratio Lower Upper

91 100

126 31.9 16.0 48.0



#83

tert-Butylbenzene

Concen: 53.186 ug/l

RT: 13.00 min Scan# 3491

Delta R.T. 0.00 min

Lab File: VN058130.D

Acq: 16 Sep 2019 19:25

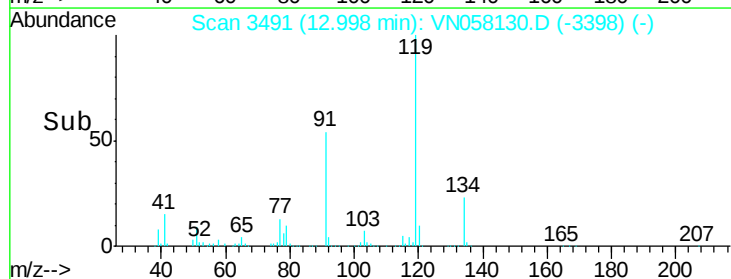
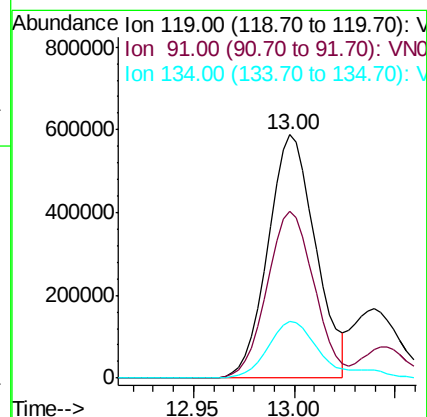
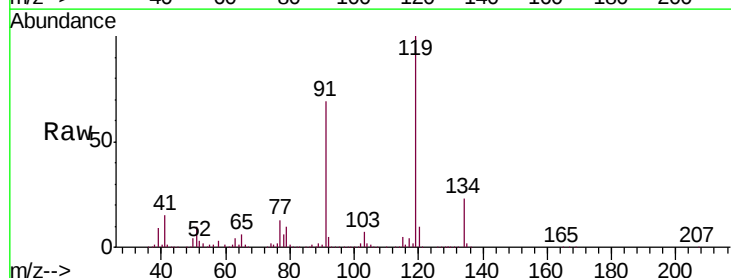
Tgt Ion: 119 Resp: 963908

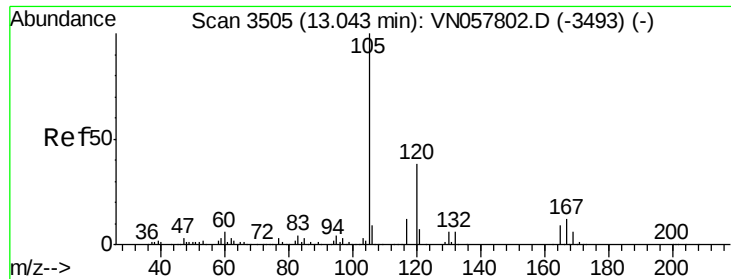
Ion Ratio Lower Upper

119 100

91 67.9 33.6 100.8

134 26.3 11.7 35.0

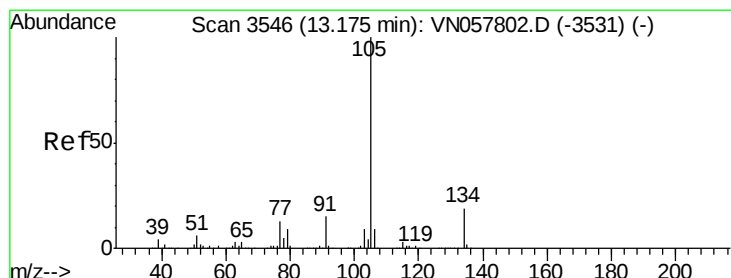
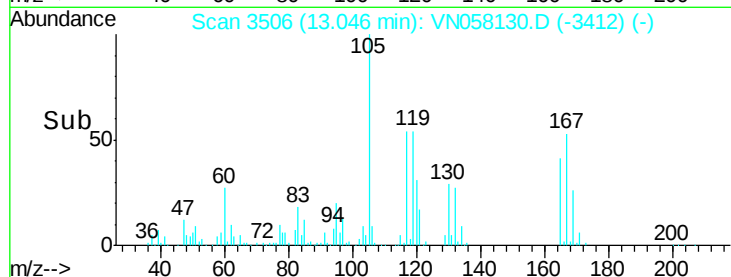
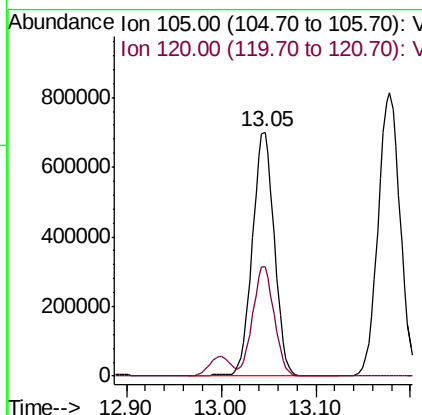
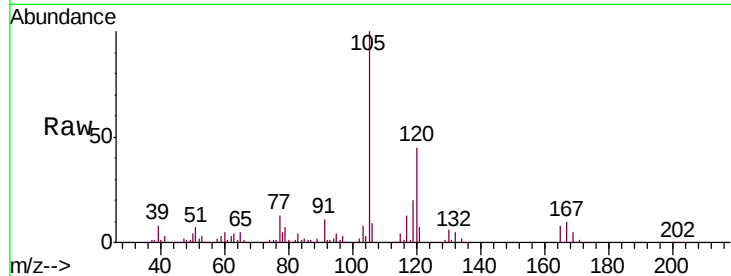




#84
 1,2,4-Trimethylbenzene
 Concen: 54.547 ug/l
 RT: 13.05 min Scan# 3506
 Delta R.T. 0.00 min
 Lab File: VN058130.D
 Acq: 16 Sep 2019 19:25

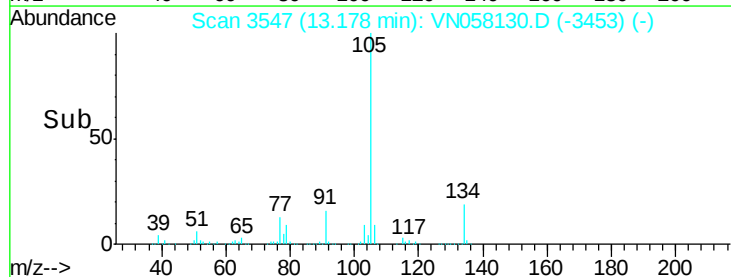
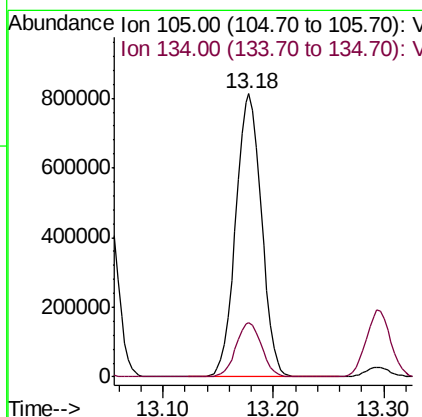
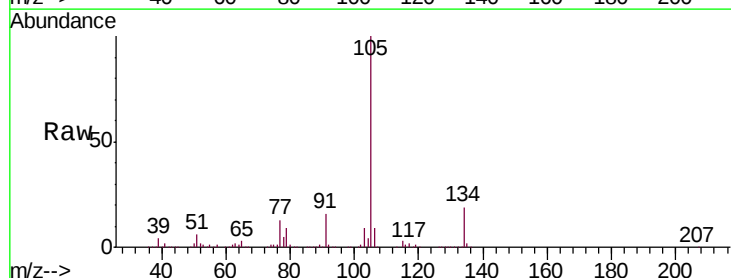
Instrument :
 MSVOA_N
 ClientSampleId :
 VE-4-11MS

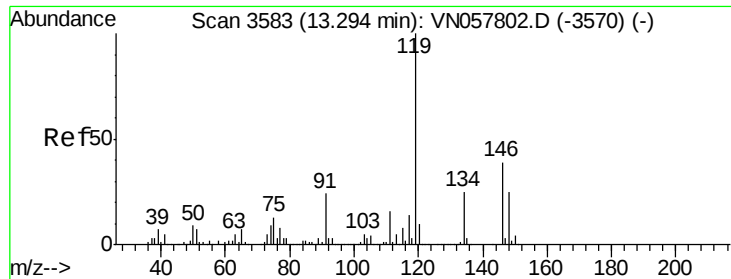
Tgt Ion:105 Resp: 1130309
 Ion Ratio Lower Upper
 105 100
 120 44.0 22.4 67.2



#85
 sec-Butylbenzene
 Concen: 54.510 ug/l
 RT: 13.18 min Scan# 3547
 Delta R.T. 0.00 min
 Lab File: VN058130.D
 Acq: 16 Sep 2019 19:25

Tgt Ion:105 Resp: 1309390
 Ion Ratio Lower Upper
 105 100
 134 19.0 9.6 28.6

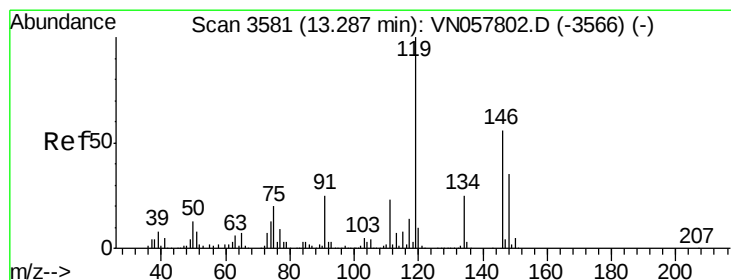
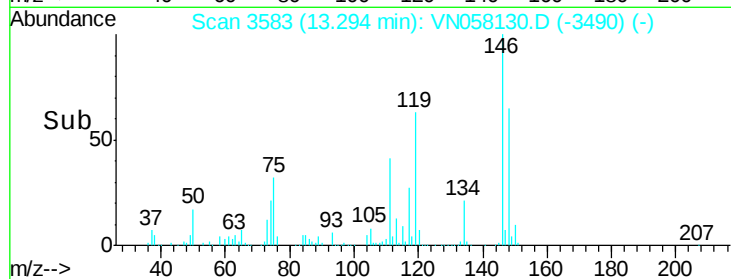
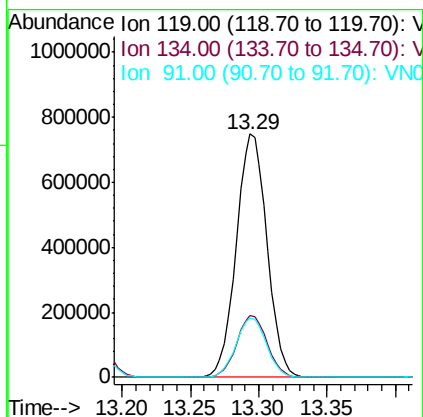
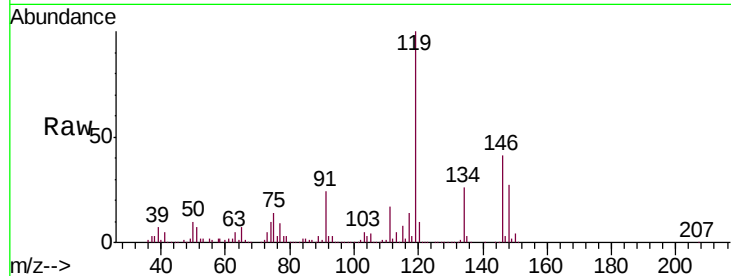




#86
 p-Isopropyltoluene
 Concen: 54.913 ug/l
 RT: 13.29 min Scan# 3583
 Delta R.T. 0.00 min
 Lab File: VN058130.D
 Acq: 16 Sep 2019 19:25

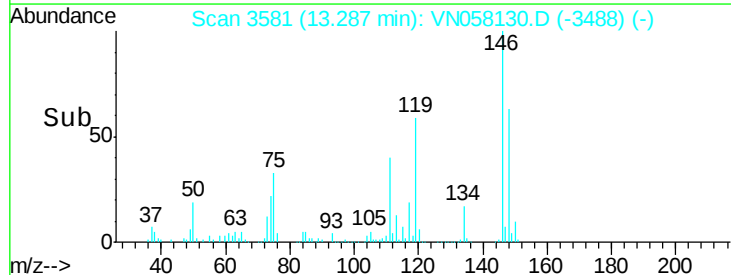
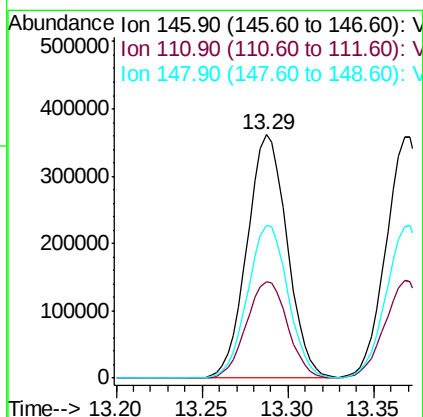
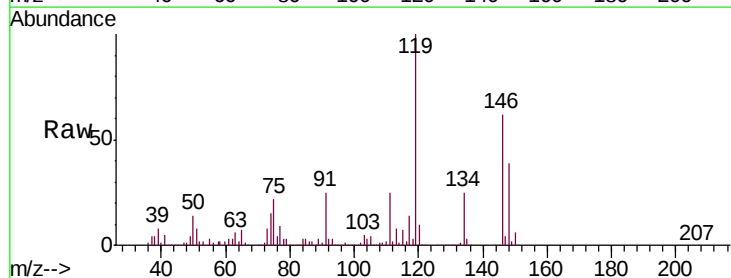
Instrument :
 MSVOA_N
 ClientSampleId :
 VE-4-11MS

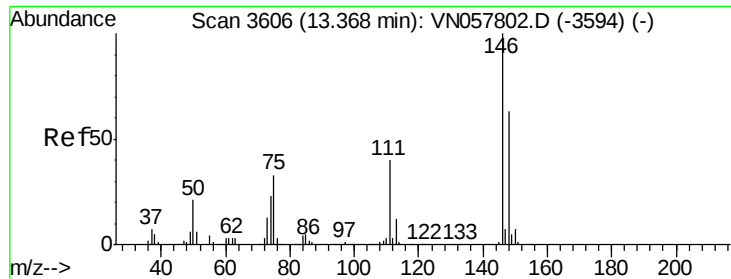
Tgt Ion:119 Resp: 1162234
 Ion Ratio Lower Upper
 119 100
 134 25.4 12.5 37.5
 91 24.4 12.3 36.8



#87
 1,3-Dichlorobenzene
 Concen: 53.113 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN058130.D
 Acq: 16 Sep 2019 19:25

Tgt Ion:146 Resp: 586504
 Ion Ratio Lower Upper
 146 100
 111 40.8 20.5 61.6
 148 63.4 31.5 94.5

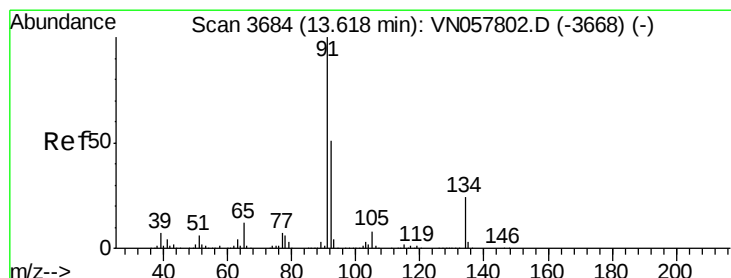
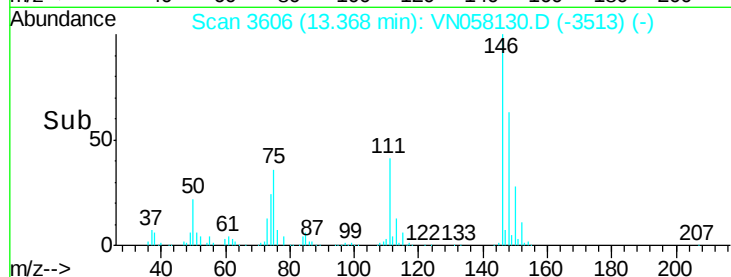
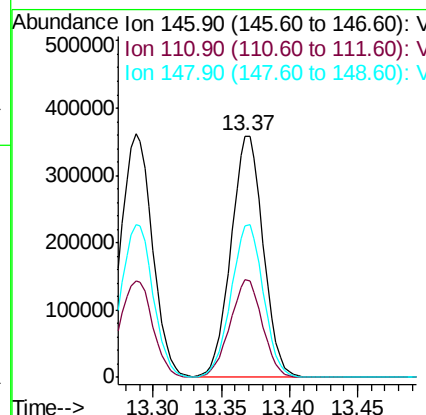
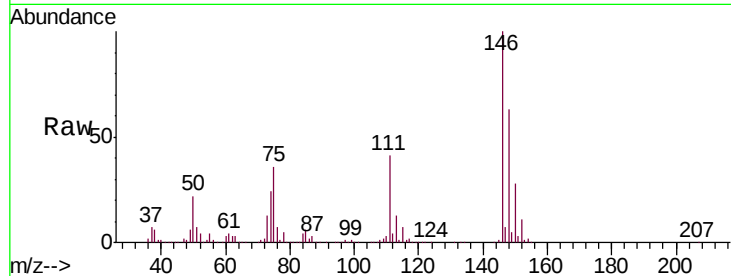




#88
 1,4-Dichlorobenzene
 Concen: 52.391 ug/l
 RT: 13.37 min Scan# 3606
 Delta R.T. 0.00 min
 Lab File: VN058130.D
 Acq: 16 Sep 2019 19:25

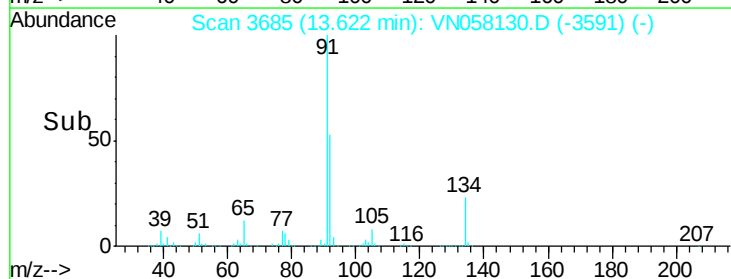
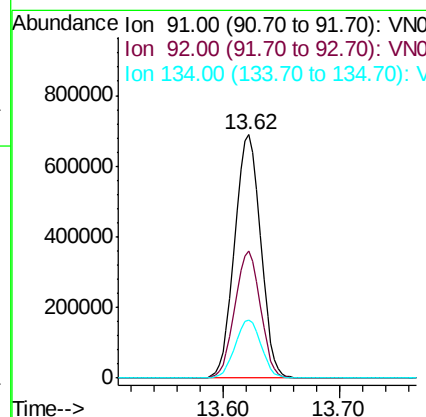
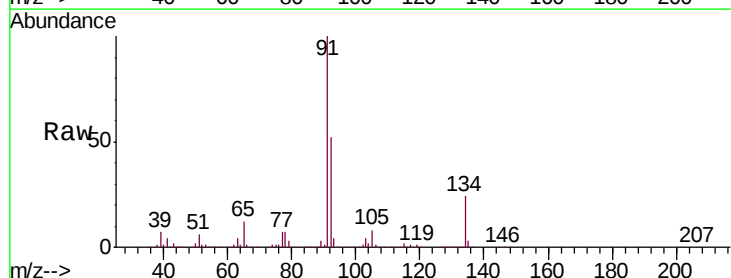
Instrument :
 MSVOA_N
 ClientSampleId :
 VE-4-11MS

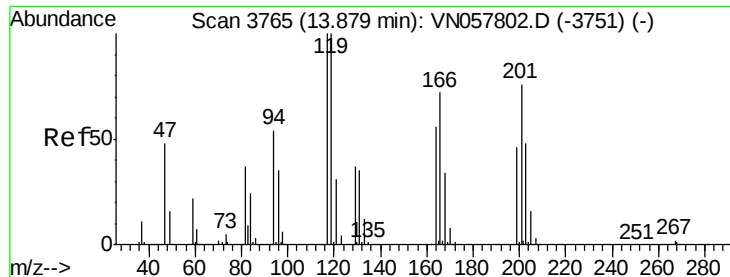
Tgt Ion: 146 Resp: 587238
 Ion Ratio Lower Upper
 146 100
 111 40.6 20.4 61.2
 148 63.4 31.8 95.4



#89
 n-Butylbenzene
 Concen: 53.268 ug/l
 RT: 13.62 min Scan# 3685
 Delta R.T. 0.00 min
 Lab File: VN058130.D
 Acq: 16 Sep 2019 19:25

Tgt Ion: 91 Resp: 1064688
 Ion Ratio Lower Upper
 91 100
 92 51.4 25.7 77.0
 134 23.9 11.9 35.7





#90

Hexachloroethane

Concen: 56.701 ug/l

RT: 13.88 min Scan# 3766

Delta R.T. 0.00 min

Lab File: VN058130.D

Acq: 16 Sep 2019 19:25

Instrument :

MSVOA_N

ClientSampleId :

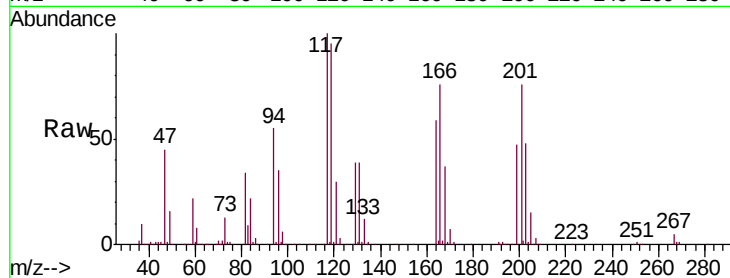
VE-4-11MS

Tgt Ion:117 Resp: 178475

Ion Ratio Lower Upper

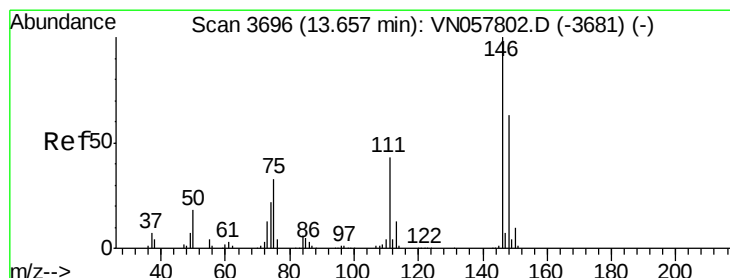
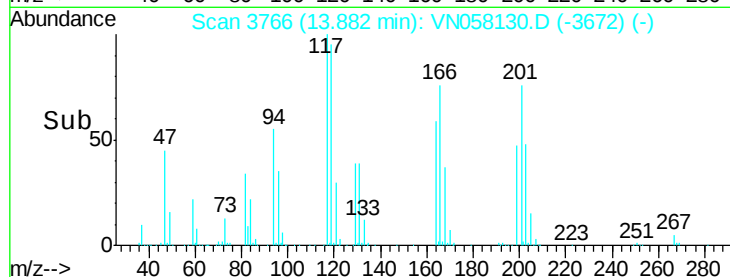
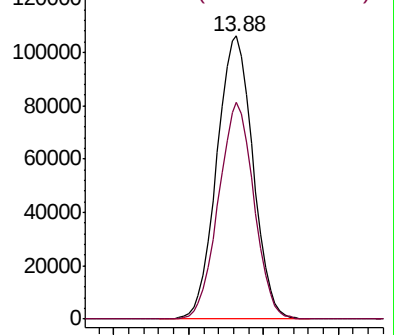
117 100

201 75.0 37.5 112.7



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#91

1,2-Dichlorobenzene

Concen: 53.386 ug/l

RT: 13.66 min Scan# 3697

Delta R.T. 0.00 min

Lab File: VN058130.D

Acq: 16 Sep 2019 19:25

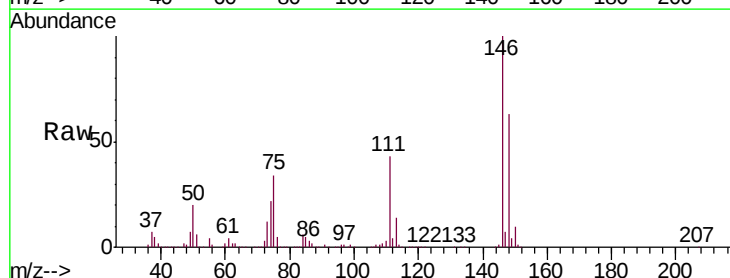
Tgt Ion:146 Resp: 588948

Ion Ratio Lower Upper

146 100

111 42.9 21.3 63.9

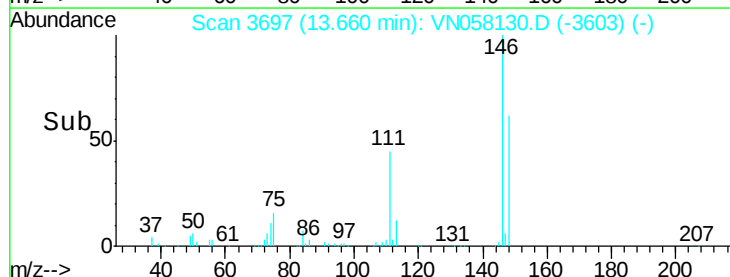
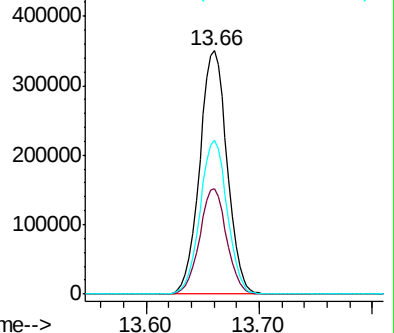
148 63.0 31.4 94.3

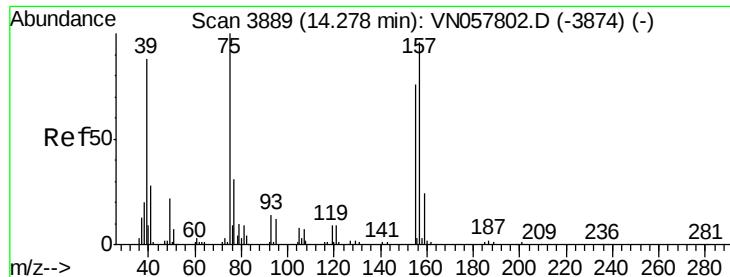


Abundance Ion 145.90 (145.60 to 146.60): V

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: 61.027 ug/l

RT: 14.28 min Scan# 3889

Delta R.T. 0.00 min

Lab File: VN058130.D

Acq: 16 Sep 2019 19:25

Instrument :

MSVOA_N

ClientSampleId :

VE-4-11MS

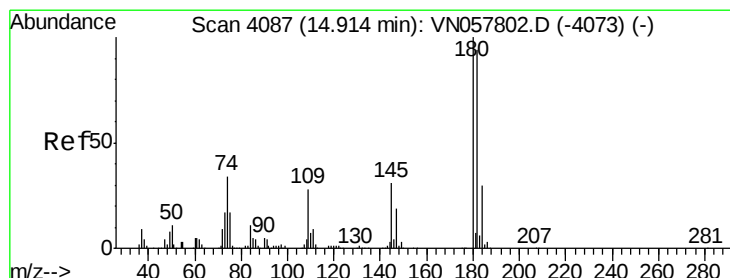
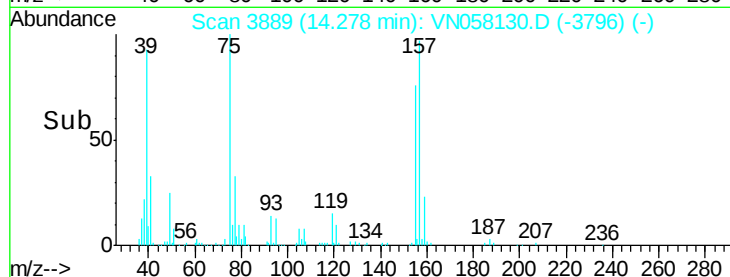
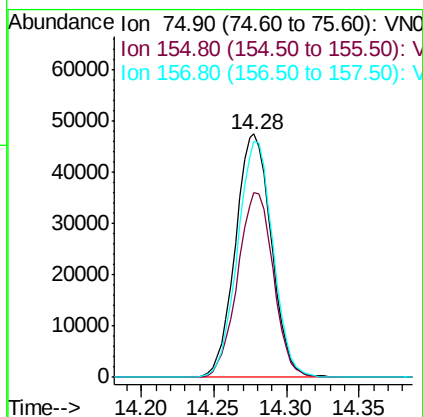
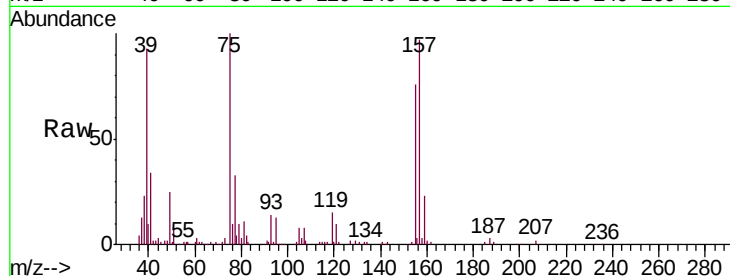
Tgt Ion: 75 Resp: 81881

Ion Ratio Lower Upper

75 100

155 75.6 37.3 111.8

157 95.2 47.9 143.8



#93

1,2,4-Trichlorobenzene

Concen: 51.909 ug/l

RT: 14.92 min Scan# 4088

Delta R.T. 0.00 min

Lab File: VN058130.D

Acq: 16 Sep 2019 19:25

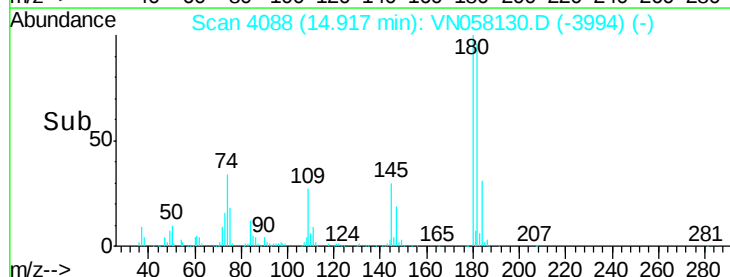
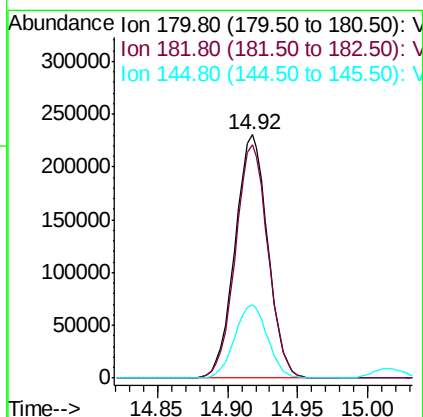
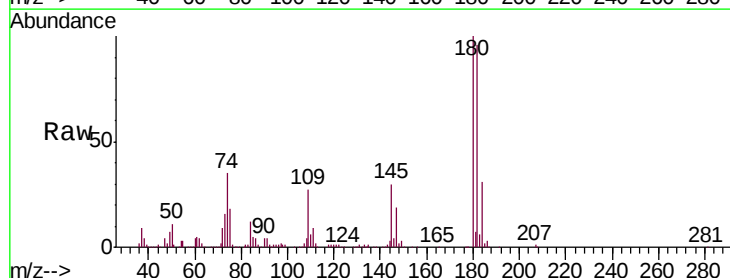
Tgt Ion: 180 Resp: 374303

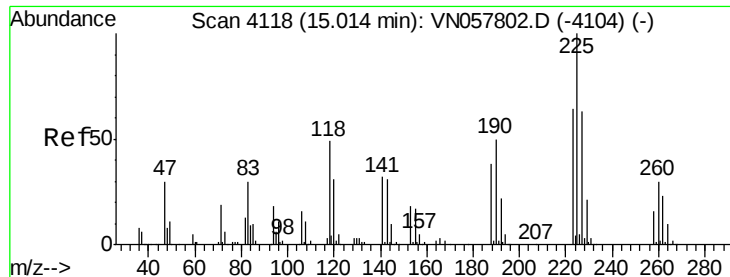
Ion Ratio Lower Upper

180 100

182 95.4 46.9 140.8

145 30.3 14.9 44.7





#94

Hexachlorobutadiene

Concen: 51.657 ug/l

RT: 15.02 min Scan# 4119

Delta R.T. 0.00 min

Lab File: VN058130.D

Acq: 16 Sep 2019 19:25

Instrument :

MSVOA_N

ClientSampled :

VE-4-11MS

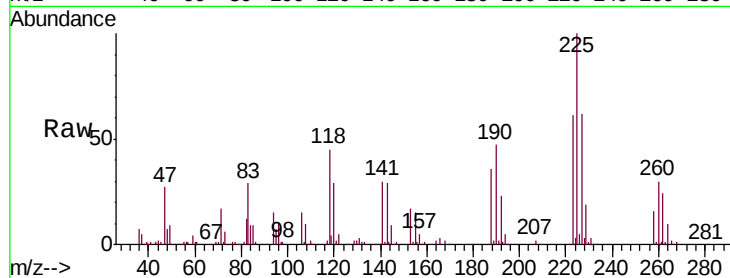
Tgt Ion:225 Resp: 157898

Ion Ratio Lower Upper

225 100

223 63.2 32.4 97.2

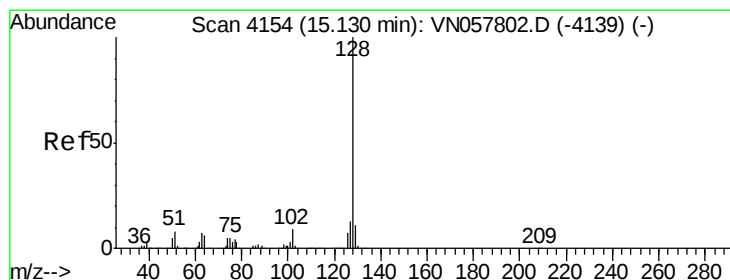
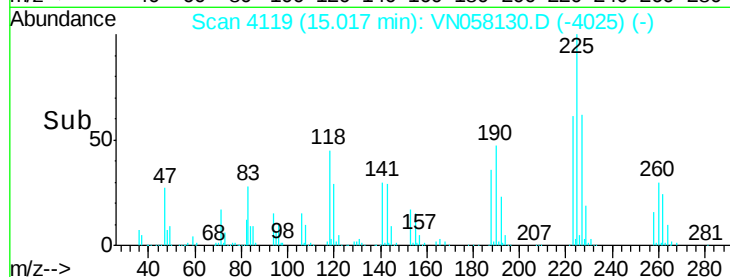
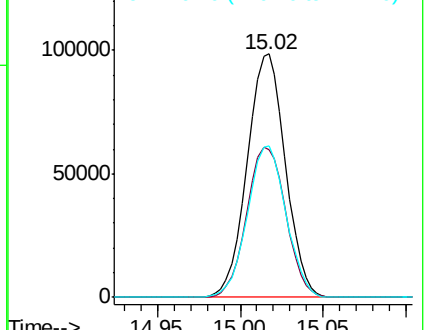
227 62.9 31.8 95.4



Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V



#95

Naphthalene

Concen: 60.798 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN058130.D

Acq: 16 Sep 2019 19:25

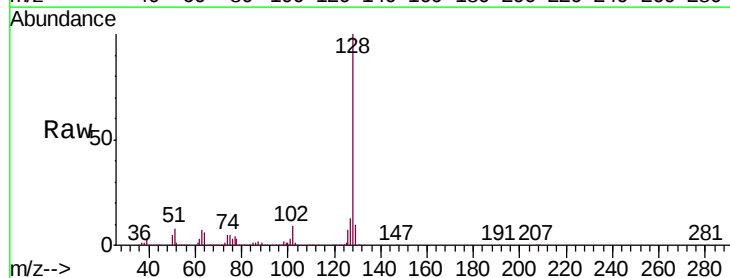
Tgt Ion:128 Resp: 1100590

Ion Ratio Lower Upper

128 100

127 12.9 10.3 15.5

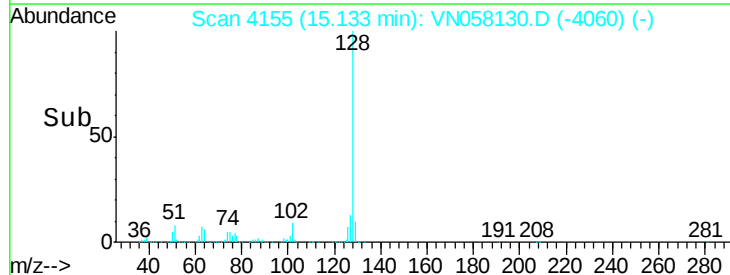
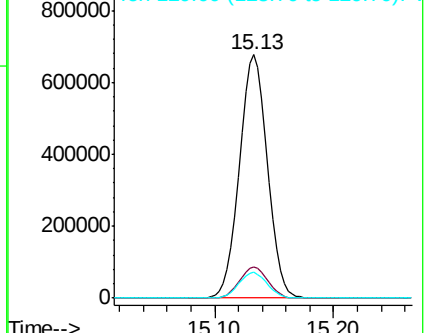
129 10.7 8.6 12.8

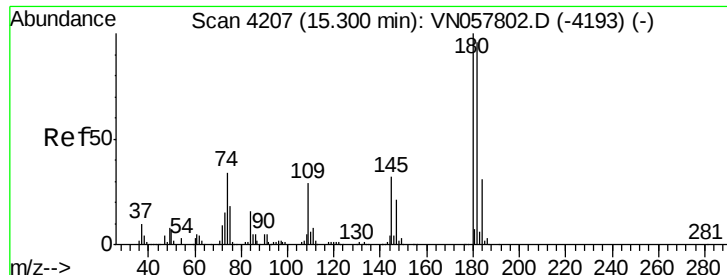


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

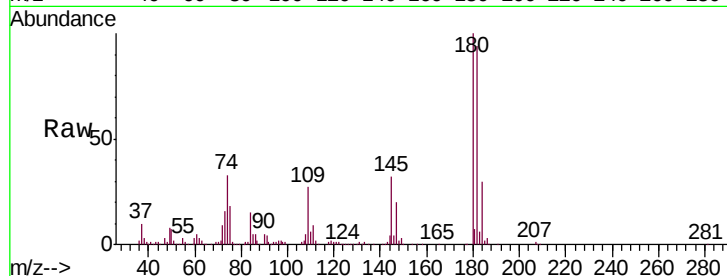




#96
 1,2,3-Trichlorobenzene
 Concen: 56.613 ug/l
 RT: 15.30 min Scan# 4208
 Delta R.T. 0.00 min
 Lab File: VN058130.D
 Acq: 16 Sep 2019 19:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VE-4-11MS

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.7	48.3	144.8
145	33.0	16.3	48.8



Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.90 (144.60 to 145.60): V

