

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN042720\
 Data File : VN061150.D
 Acq On : 27 Apr 2020 15:39
 Operator : JC/MD
 Sample : VSTDIC001
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Quant Time: Apr 28 01:32:53 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042720W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 28 01:31:08 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	103946	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	181712	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	167256	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	73220	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.99	65	1605	1.13	ug/l	0.00
Spiked Amount			Recovery	=	2.26%	
35) Dibromofluoromethane	7.54	113	1093	1.05	ug/l	0.00
Spiked Amount			Recovery	=	2.10%	
50) Toluene-d8	10.06	98	4371	0.99	ug/l	0.00
Spiked Amount			Recovery	=	1.98%	
62) 4-Bromofluorobenzene	12.37	95	1661	1.00	ug/l	0.00
Spiked Amount			Recovery	=	2.00%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	940	0.951	ug/l	94
3) Chloromethane	2.03	50	1180	0.979	ug/l	96
4) Vinyl Chloride	2.16	62	1388	0.958	ug/l	98
5) Bromomethane	2.54	94	787	1.117	ug/l	89
6) Chloroethane	2.67	64	935	1.182	ug/l #	81
7) Trichlorofluoromethane	2.98	101	1558	0.998	ug/l	90
8) Diethyl Ether	3.37	74	512	0.717	ug/l	71
9) 1,1,2-Trichlorotrifluoroet	3.72	101	1064	1.034	ug/l #	66
10) Methyl Iodide	3.91	142	1197	0.821	ug/l #	83
11) Tert butyl alcohol	4.72	59	739	4.033	ug/l #	72
12) 1,1-Dichloroethene	3.70	96	1062	1.011	ug/l	93
13) Acrolein	3.56	56	436	3.196	ug/l	97
14) Allyl chloride	4.27	41	1425	0.838	ug/l #	62
15) Acrylonitrile	4.92	53	1567	2.750	ug/l #	85
16) Acetone	3.77	43	7876	11.493	ug/l	96
17) Carbon Disulfide	4.01	76	2679	0.864	ug/l #	75
18) Methyl Acetate	4.28	43	2982	1.607	ug/l #	59
19) Methyl tert-butyl Ether	4.99	73	4205	1.122	ug/l	98
20) Methylene Chloride	4.49	84	1276	1.046	ug/l #	84
21) trans-1,2-Dichloroethene	4.98	96	531	0.424	ug/l #	76
22) Diisopropyl ether	5.90	45	4228	1.071	ug/l #	93
23) Vinyl Acetate	5.84	43	15985	5.047	ug/l	97
24) 1,1-Dichloroethane	5.79	63	2255	1.047	ug/l #	84
25) 2-Butanone	6.78	43	4210	5.361	ug/l	98
26) 2,2-Dichloropropane	6.77	77	2343	1.233	ug/l #	67
27) cis-1,2-Dichloroethene	6.77	96	699	0.502	ug/l	18
28) Bromochloromethane	7.14	49	1033	1.106	ug/l #	56
29) Tetrahydrofuran	7.17	42	2674	4.949	ug/l	96
30) Chloroform	7.33	83	2368	1.087	ug/l	93
31) Cyclohexane	7.62	56	4421	2.045	ug/l #	35
32) 1,1,1-Trichloroethane	7.52	97	2101	1.082	ug/l #	50
36) 1,1-Dichloropropene	7.75	75	1571	0.882	ug/l #	79
37) Ethyl Acetate	6.87	43	1960	1.071	ug/l #	71
38) Carbon Tetrachloride	7.72	117	1005	0.649	ug/l #	86

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.04	83	1894	0.882	ug/l	95
40) Benzene	8.00	78	5334	1.013	ug/l	98
41) Methacrylonitrile	7.11	41	560	0.668	ug/l #	100
42) 1,2-Dichloroethane	8.09	62	1863	0.978	ug/l #	76
43) Isopropyl Acetate	8.12	43	3302	1.065	ug/l #	80
44) Trichloroethene	8.80	130	1552	1.025	ug/l	95
45) 1,2-Dichloropropane	9.09	63	1356	0.968	ug/l	96
46) Dibromomethane	9.17	93	728	0.816	ug/l	88
47) Bromodichloromethane	9.37	83	1713	0.965	ug/l #	92
48) Methyl methacrylate	9.16	41	1373	0.945	ug/l	98
49) 1,4-Dioxane	9.16	88	445	20.934	ug/l #	65
51) 4-Methyl-2-Pentanone	9.95	43	8795	4.844	ug/l	100
52) Toluene	10.12	92	2933	0.891	ug/l	93
53) t-1,3-Dichloropropene	10.35	75	2038	0.946	ug/l	100
54) cis-1,3-Dichloropropene	9.81	75	2221	0.994	ug/l	95
55) 1,1,2-Trichloroethane	10.53	97	1198	0.944	ug/l #	81
56) Ethyl methacrylate	10.40	69	1388	0.714	ug/l #	86
57) 1,3-Dichloropropane	10.67	76	1963	0.901	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.66	63	4675	4.662	ug/l	98
59) 2-Hexanone	10.72	43	6125	4.572	ug/l	93
60) Dibromochloromethane	10.87	129	1216	0.917	ug/l	91
61) 1,2-Dibromoethane	10.98	107	1068	0.818	ug/l	91
64) Tetrachloroethene	10.60	164	1377	0.826	ug/l	92
65) Chlorobenzene	11.41	112	3143	0.932	ug/l	93
66) 1,1,1,2-Tetrachloroethane	11.48	131	1077	0.900	ug/l #	65
67) Ethyl Benzene	11.48	91	5663	0.898	ug/l	96
68) m/p-Xylenes	11.59	106	4126	1.757	ug/l	94
69) o-Xylene	11.92	106	1960	0.865	ug/l	94
70) Styrene	11.94	104	3123	0.848	ug/l	95
71) Bromoform	12.10	173	680	0.758	ug/l #	62
73) Isopropylbenzene	12.22	105	5051	0.918	ug/l	97
74) N-amyl acetate	12.04	43	2423	0.960	ug/l #	89
75) 1,1,2,2-Tetrachloroethane	12.48	83	1566	1.037	ug/l #	90
76) 1,2,3-Trichloropropane	12.53	75	2054	1.240	ug/l #	100
77) Bromobenzene	12.50	156	1125	0.847	ug/l	88
78) n-propylbenzene	12.56	91	6007	0.928	ug/l	99
79) 2-Chlorotoluene	12.65	91	3532	0.939	ug/l	96
80) 1,3,5-Trimethylbenzene	12.71	105	3984	0.860	ug/l	96
81) trans-1,4-Dichloro-2-buten	12.27	75	482	0.762	ug/l #	80
82) 4-Chlorotoluene	12.75	91	3792	0.949	ug/l	94
83) tert-Butylbenzene	12.97	119	3433	0.884	ug/l	95
84) 1,2,4-Trimethylbenzene	13.01	105	4434	0.958	ug/l	89
85) sec-Butylbenzene	13.15	105	4552	0.863	ug/l	98
86) p-Isopropyltoluene	13.26	119	4180	0.874	ug/l	93
87) 1,3-Dichlorobenzene	13.26	146	2160	0.911	ug/l	94
88) 1,4-Dichlorobenzene	13.26	146	2160	0.899	ug/l	94
89) n-Butylbenzene	13.59	91	3777	0.865	ug/l	97
91) 1,2-Dichlorobenzene	13.63	146	2101	0.951	ug/l	94
92) 1,2-Dibromo-3-Chloropropan	14.24	75	269	0.820	ug/l #	27
93) 1,2,4-Trichlorobenzene	14.88	180	1257	0.858	ug/l	94

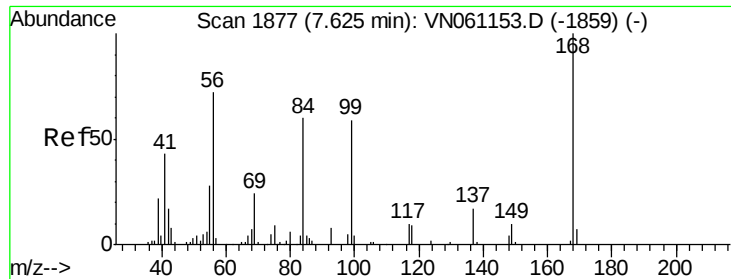
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN042720\
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Acq On : 27 Apr 2020 15:39
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	14.99	225	492	0.775	ug/l	86
95) Naphthalene	15.10	128	3860	0.846	ug/l #	94
96) 1,2,3-Trichlorobenzene	15.28	180	1231	0.872	ug/l	89

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1876

Delta R.T. -0.00 min

Lab File: VN061150.D

Acq: 27 Apr 2020 15:39

Instrument :

MSVOA_N

ClientSampleId :

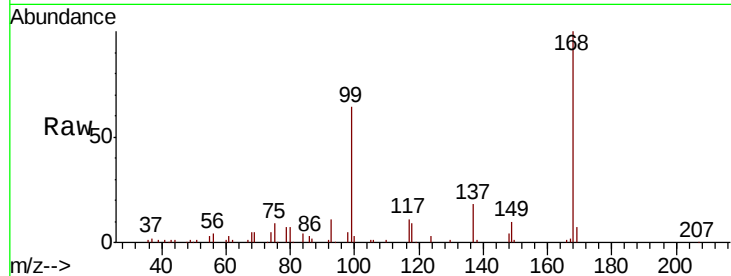
VSTDIC001

Tot Ion:168 Resp: 103946

Ion Ratio Lower Upper

168 100

99 63.9 51.2 76.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.62

40000

30000

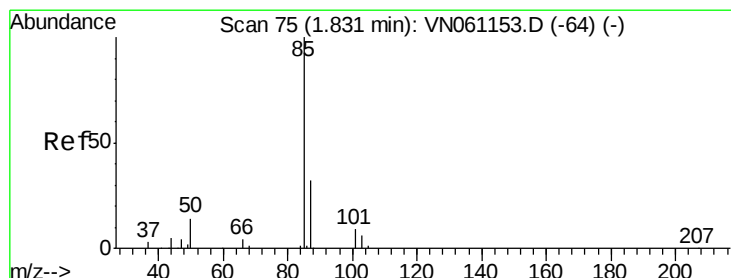
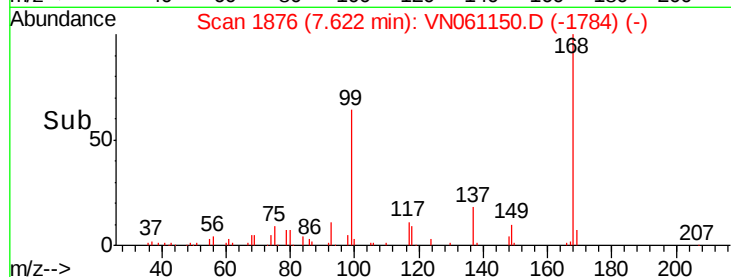
20000

10000

0

7.55 7.60 7.65 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 0.951 ug/l

RT: 1.83 min Scan# 74

Delta R.T. -0.00 min

Lab File: VN061150.D

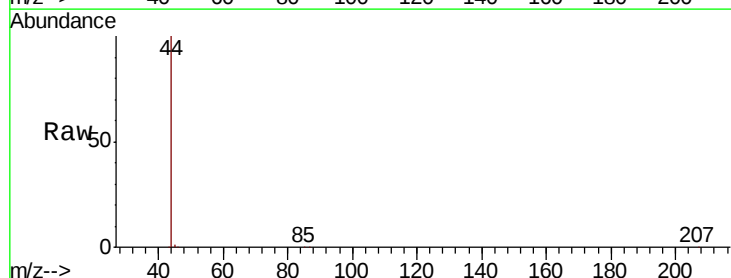
Acq: 27 Apr 2020 15:39

Tgt Ion: 85 Resp: 940

Ion Ratio Lower Upper

85 100

87 28.9 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.83

800

600

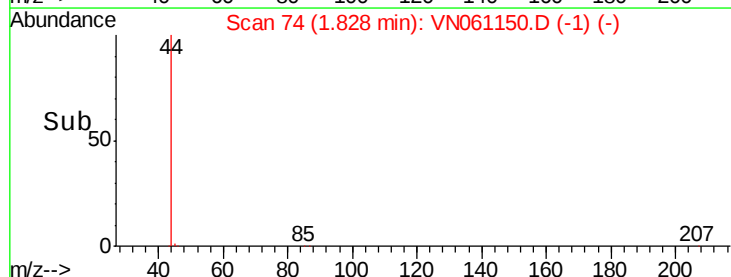
400

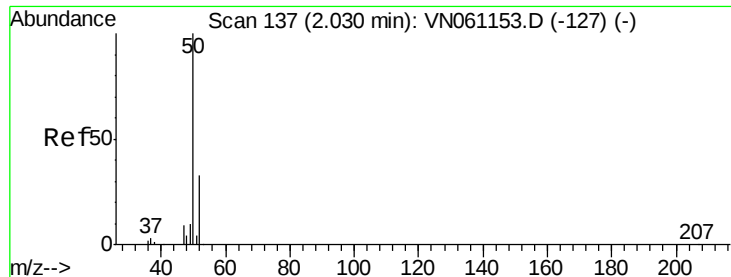
200

0

1.80 1.82 1.84 1.86

Time-->





#3

Chloromethane

Concen: 0.979 ug/l

RT: 2.03 min Scan# 137

Delta R.T. 0.00 min

Lab File: VN061150.D

Acq: 27 Apr 2020 15:39

Instrument :

MSVOA_N

ClientSampleId :

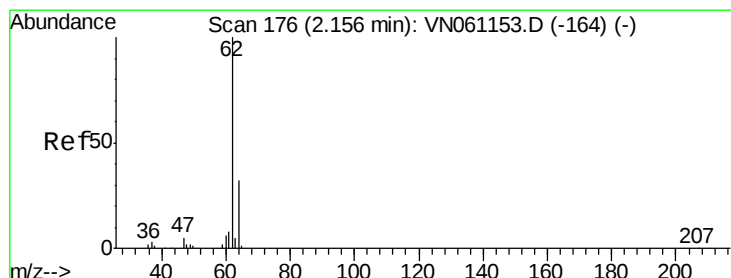
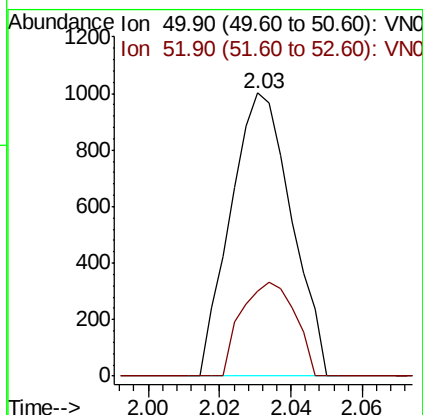
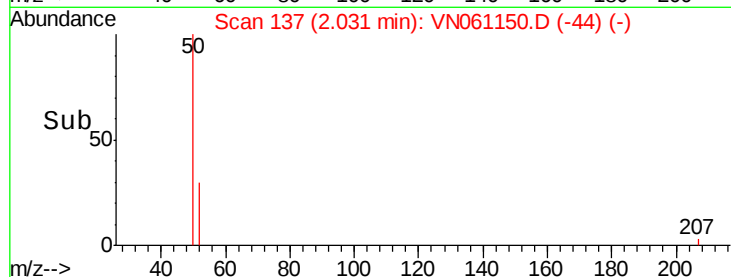
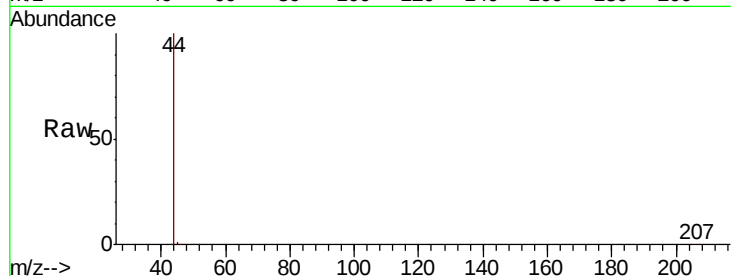
VSTDIC001

Tot Ion: 50 Resp: 1180

Ion Ratio Lower Upper

50 100

52 30.1 26.0 39.0



#4

Vinyl Chloride

Concen: 0.958 ug/l

RT: 2.16 min Scan# 176

Delta R.T. 0.00 min

Lab File: VN061150.D

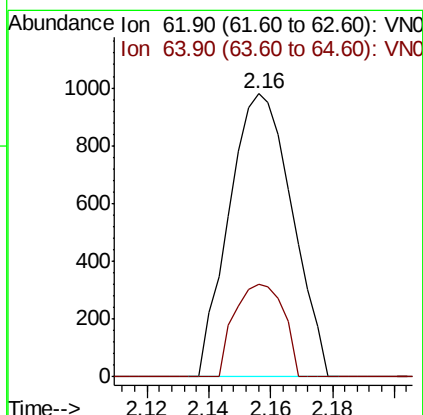
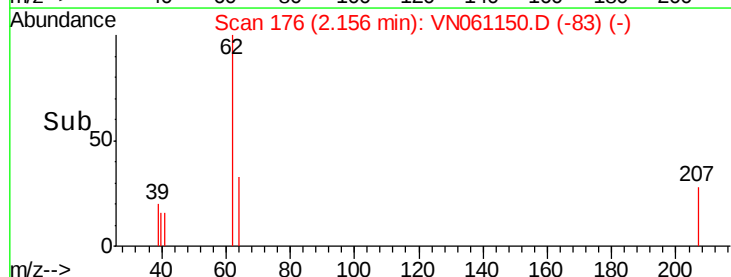
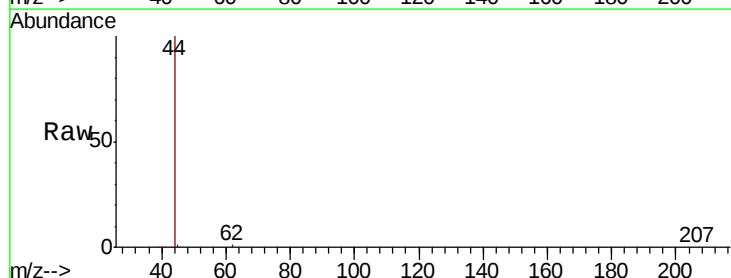
Acq: 27 Apr 2020 15:39

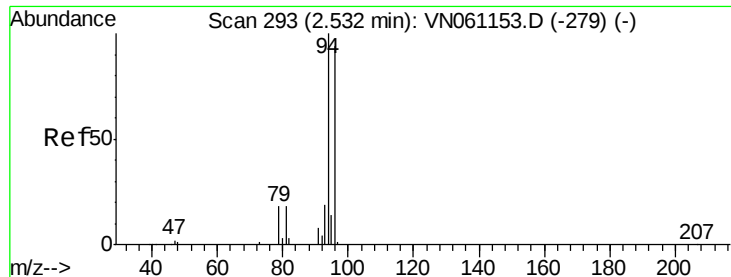
Tgt Ion: 62 Resp: 1388

Ion Ratio Lower Upper

62 100

64 32.8 25.2 37.8





#5

Bromomethane

Concen: 1.117 ug/l

RT: 2.54 min Scan# 296

Delta R.T. 0.01 min

Lab File: VN061150.D

Acq: 27 Apr 2020 15:39

Instrument :

MSVOA_N

ClientSampleId :

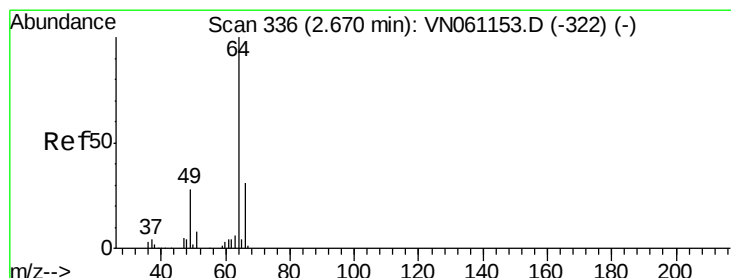
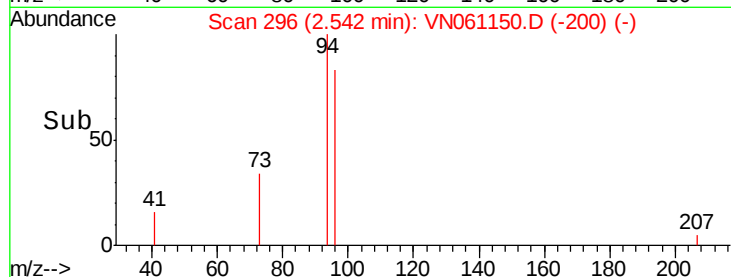
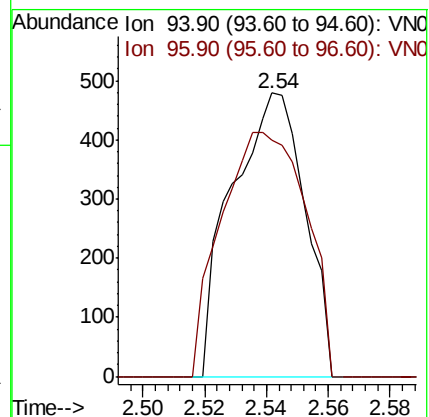
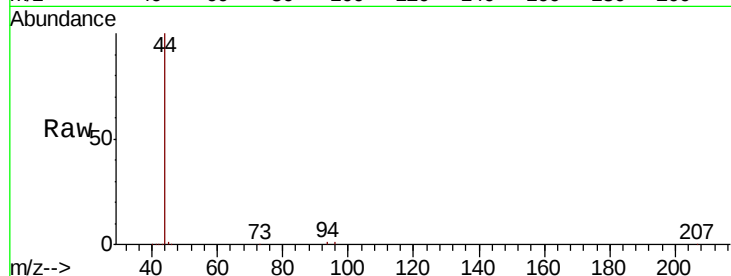
VSTDIC001

Tot Ion: 94 Resp: 787

Ion Ratio Lower Upper

94 100

96 83.3 75.1 112.7



#6

Chloroethane

Concen: 1.182 ug/l

RT: 2.67 min Scan# 336

Delta R.T. 0.00 min

Lab File: VN061150.D

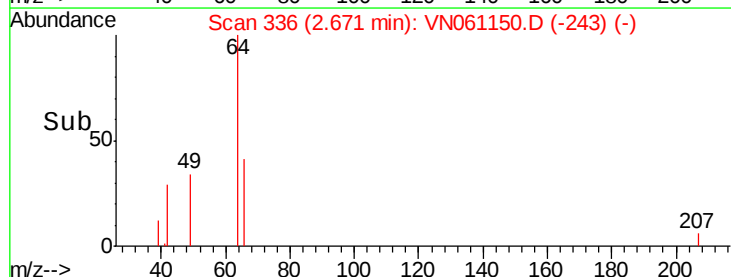
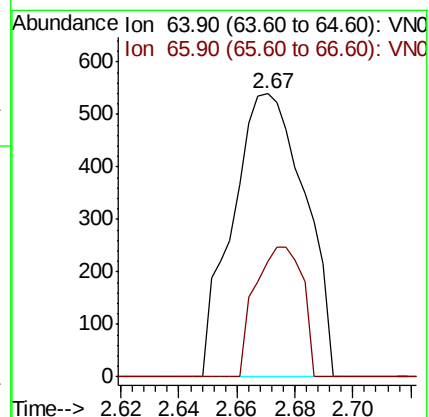
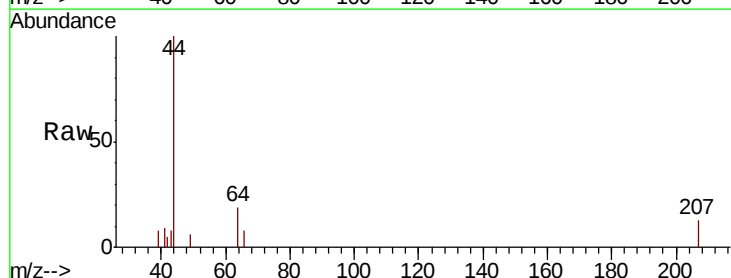
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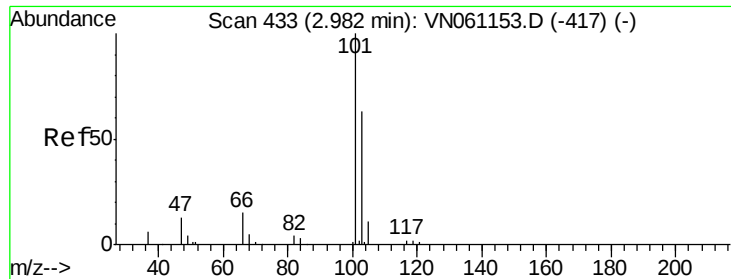
Tgt Ion: 64 Resp: 935

Ion Ratio Lower Upper

64 100

66 41.0 24.6 36.8#



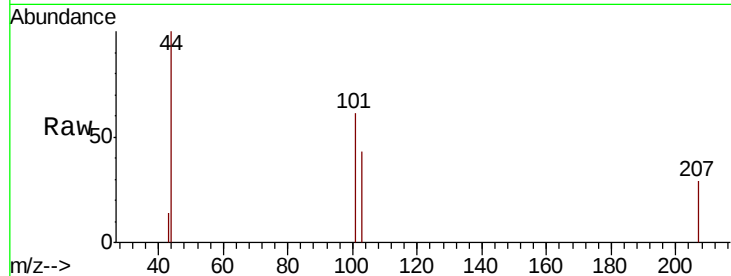


#7

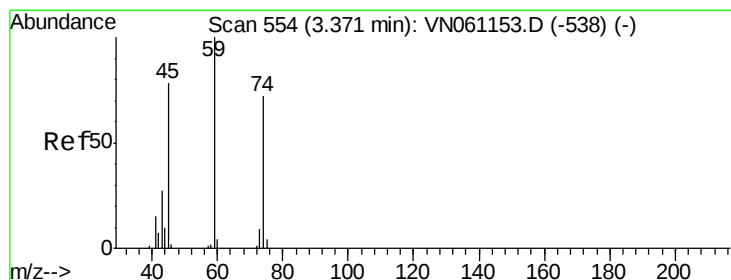
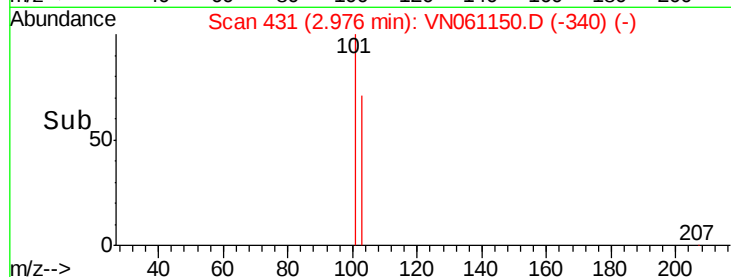
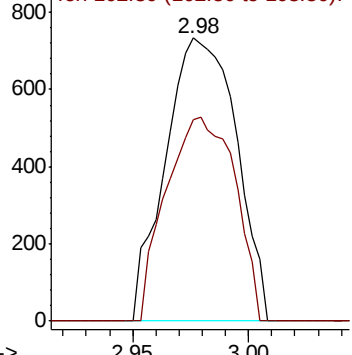
Trichlorofluoromethane
 Concen: 0.998 ug/l
 RT: 2.98 min Scan# 431
 Delta R.T. -0.01 min
 Lab File: VN061150.D
 Acq: 27 Apr 2020 15:39

Instrument :
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 VSTDIC001

Tot Ion:101 Resp: 1558
 Ion Ratio Lower Upper
 101 100
 103 71.1 50.6 76.0



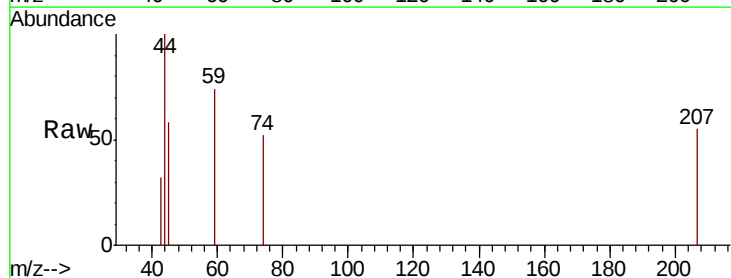
Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 102.80 (102.50 to 103.50): V



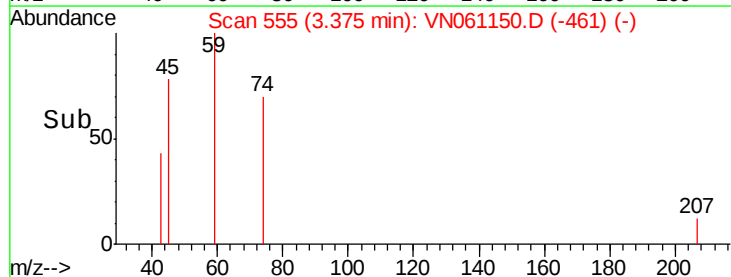
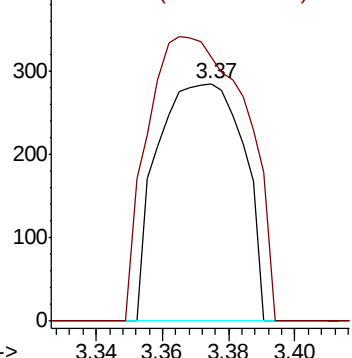
#8

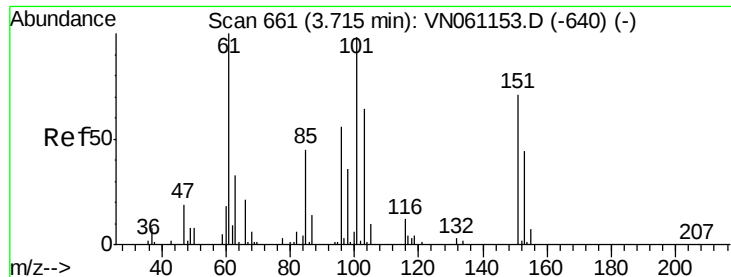
Diethyl Ether
 Concen: 0.717 ug/l
 RT: 3.37 min Scan# 555
 Delta R.T. 0.00 min
 Lab File: VN061150.D
 Acq: 27 Apr 2020 15:39

Tgt Ion: 74 Resp: 512
 Ion Ratio Lower Upper
 74 100
 45 136.3 53.3 160.0



Abundance Ion 74.00 (73.70 to 74.70): VNO
 Ion 45.00 (44.70 to 45.70): VNO





#9

1,1,2-Trichlorotrifluoroethane

Concen: 1.034 ug/l

RT: 3.72 min Scan# 661

Delta R.T. 0.00 min

Lab File: VN061150.D

Acq: 27 Apr 2020 15:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

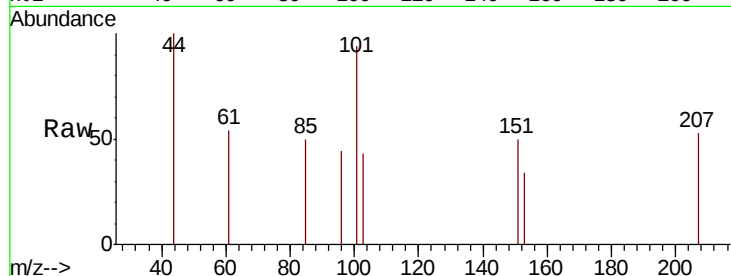
Tot Ion:101 Resp: 1064

Ion Ratio Lower Upper

101 100

85 32.2 37.2 55.8#

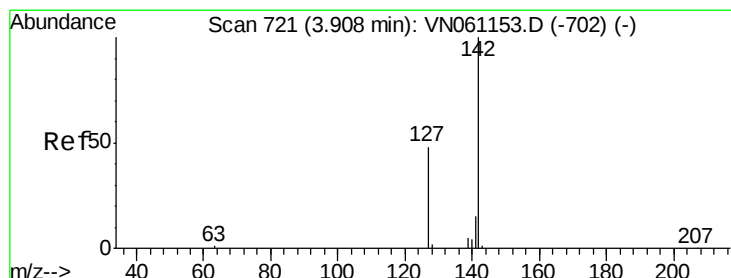
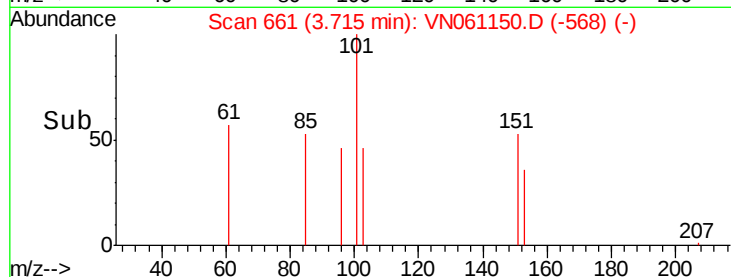
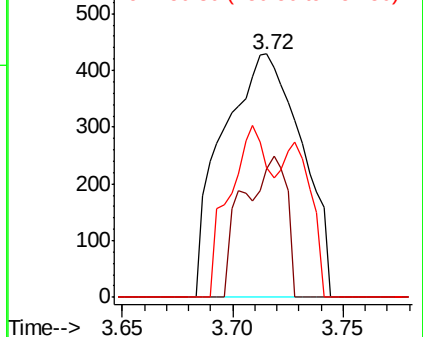
151 36.6 57.7 86.5#



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 0.821 ug/l

RT: 3.91 min Scan# 720

Delta R.T. -0.00 min

Lab File: VN061150.D

Acq: 27 Apr 2020 15:39

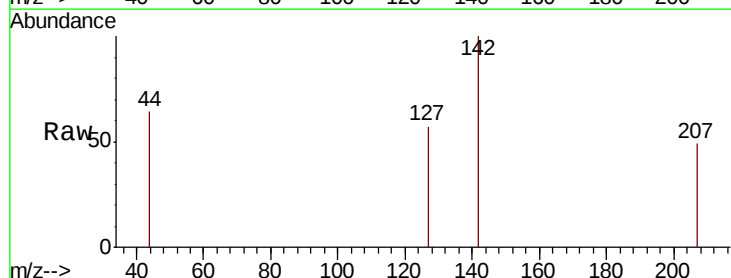
Tgt Ion:142 Resp: 1197

Ion Ratio Lower Upper

142 100

127 39.7 38.0 57.0

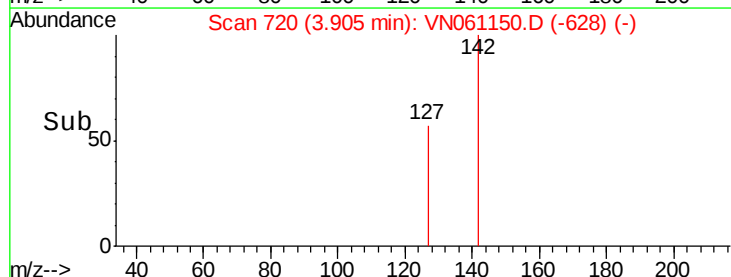
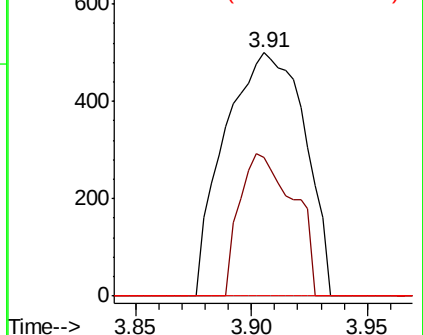
141 0.0 11.7 17.5#

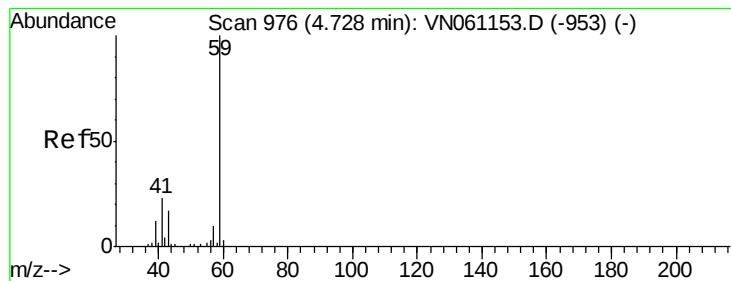


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



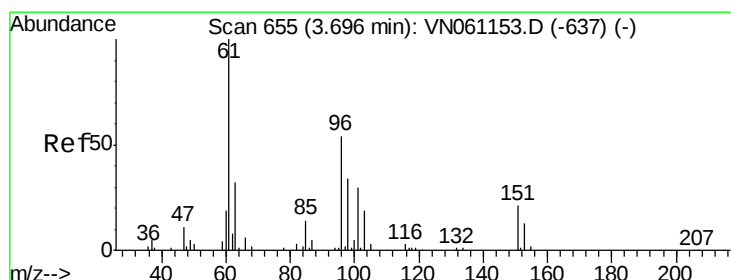
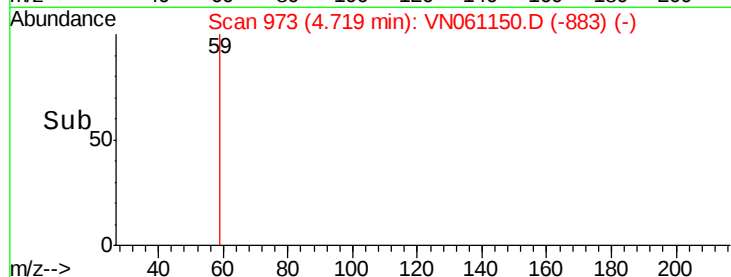
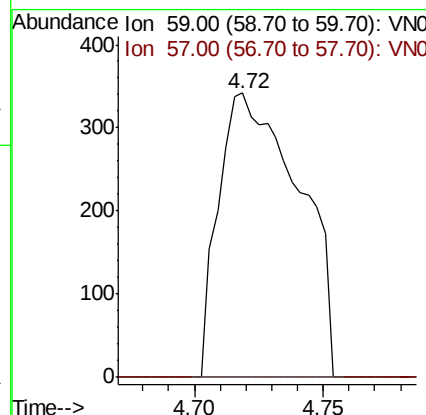
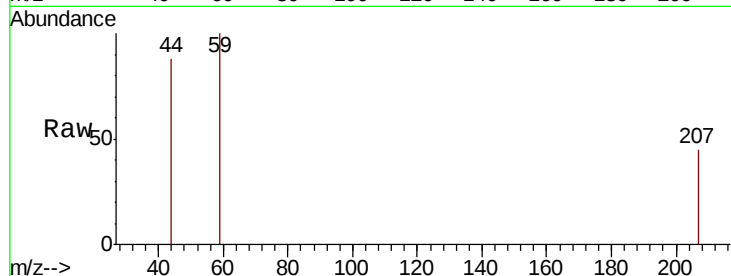


#11

Tert butyl alcohol
Concen: 4.033 ug/l
RT: 4.72 min Scan# 973
Delta R.T. -0.01 min
Lab File: VN061150.D
Acq: 27 Apr 2020 15:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

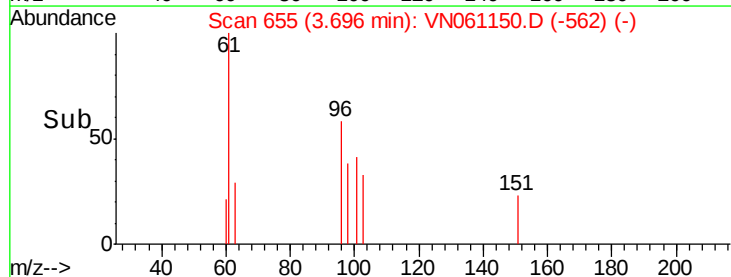
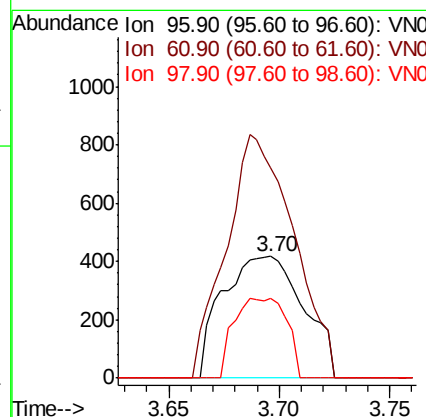
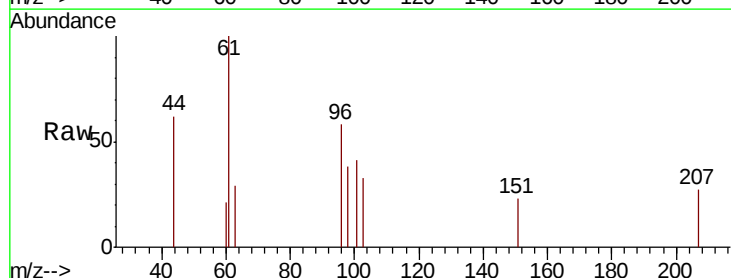
Tot Ion: 59 Resp: 739
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

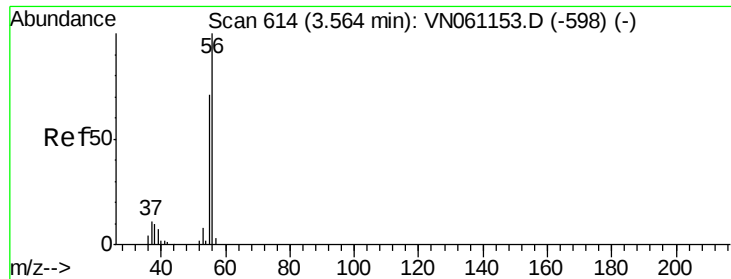


#12

1,1-Dichloroethene
Concen: 1.011 ug/l
RT: 3.70 min Scan# 655
Delta R.T. 0.00 min
Lab File: VN061150.D
Acq: 27 Apr 2020 15:39

Tgt Ion: 96 Resp: 1062
Ion Ratio Lower Upper
96 100
61 172.2 147.0 220.6
98 65.6 49.8 74.6





#13

Acrolein

Concen: 3.196 ug/l

RT: 3.56 min Scan# 614

Delta R.T. 0.00 min

Lab File: VN061150.D

Acq: 27 Apr 2020 15:39

Instrument :

MSVOA_N

ClientSampleId :

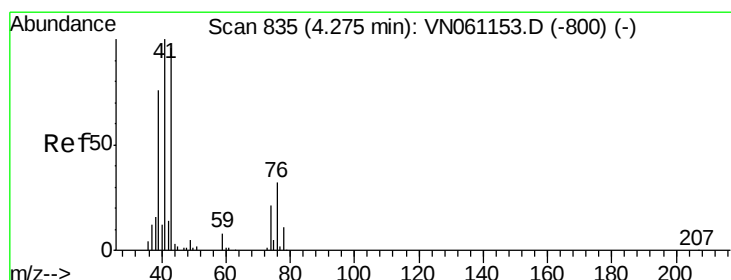
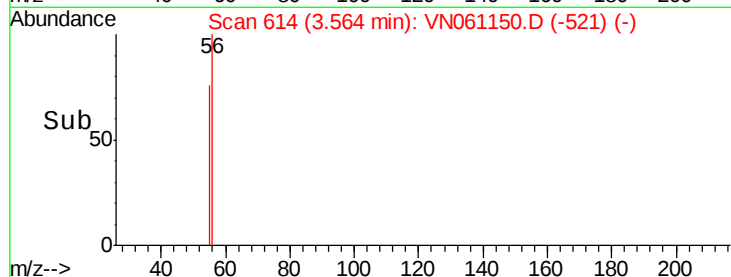
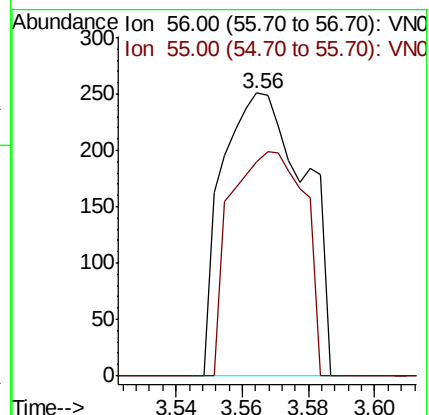
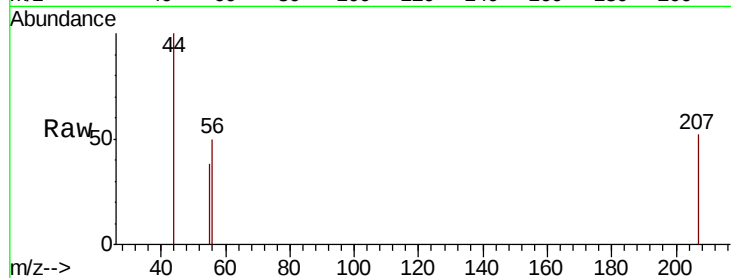
VSTDIC001

Tot Ion: 56 Resp: 436

Ion Ratio Lower Upper

56 100

55 70.4 58.5 87.7



#14

Allyl chloride

Concen: 0.838 ug/l

RT: 4.27 min Scan# 832

Delta R.T. -0.01 min

Lab File: VN061150.D

Acq: 27 Apr 2020 15:39

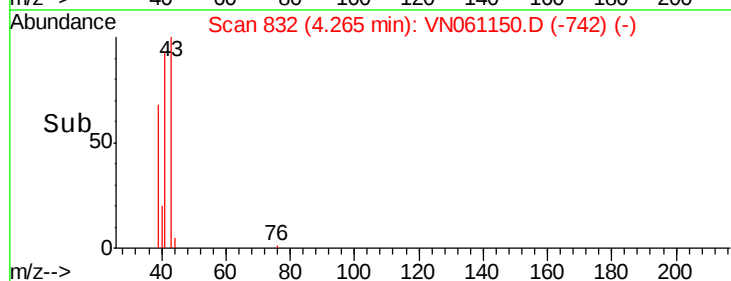
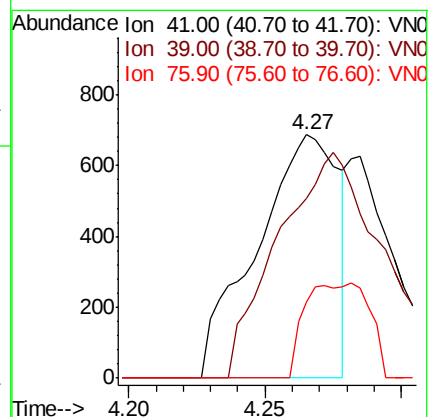
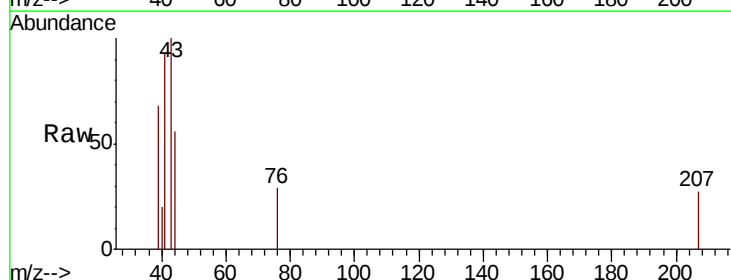
Tgt Ion: 41 Resp: 1425

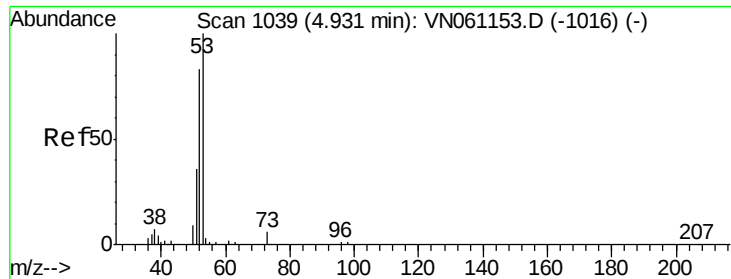
Ion Ratio Lower Upper

41 100

39 115.9 57.1 85.7#

76 30.9 24.3 36.5

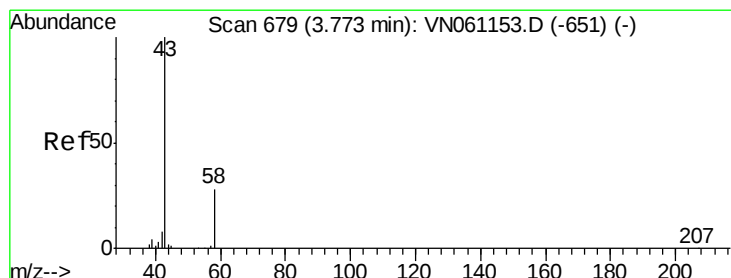
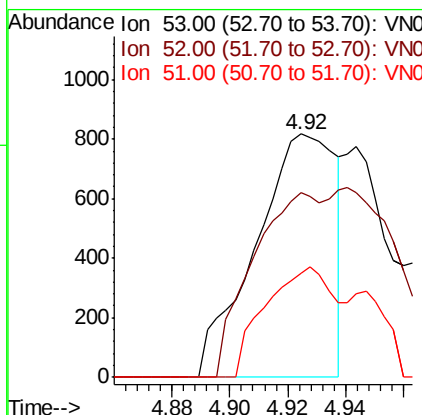
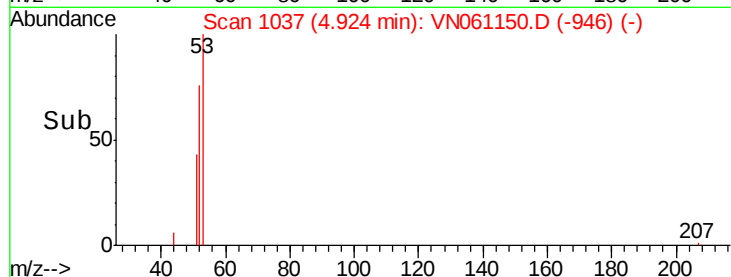
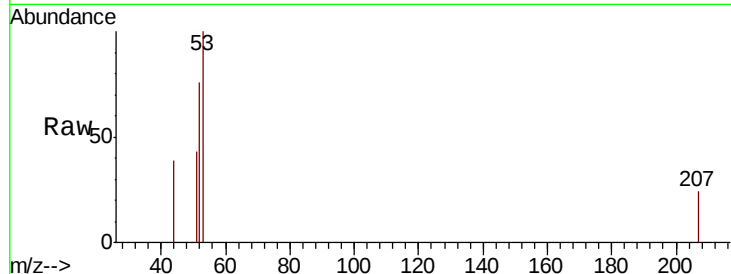




#15
 Acrylonitrile
 Concen: 2.750 ug/l
 RT: 4.92 min Scan# 1037
 Delta R.T. -0.01 min
 Lab File: VN061150.D
 Acq: 27 Apr 2020 15:39

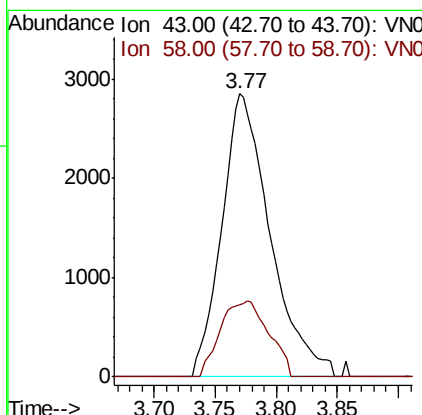
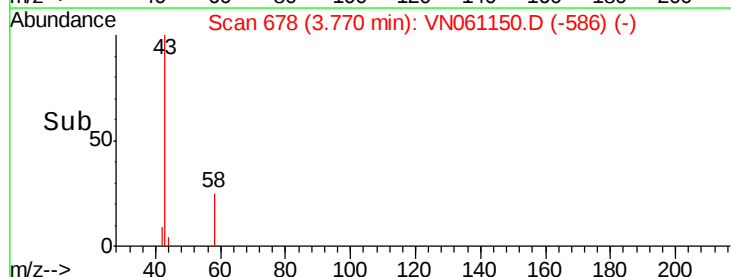
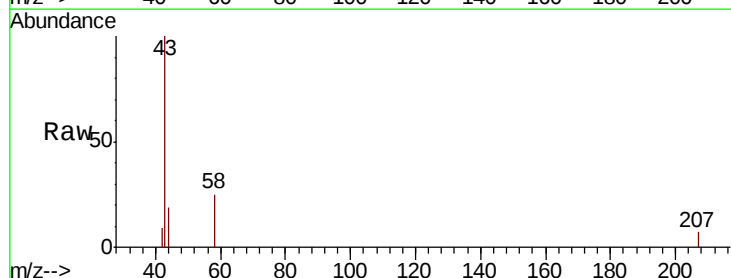
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC001

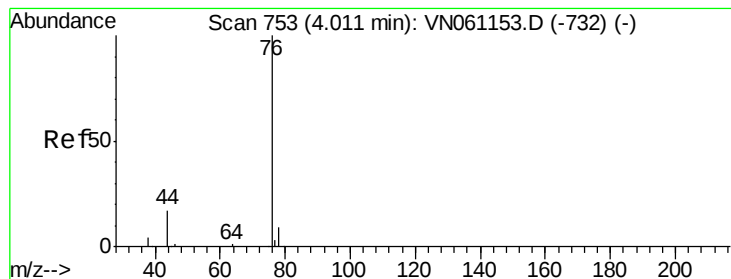
Tot Ion: 53 Resp: 1567
 Ion Ratio Lower Upper
 53 100
 52 63.5 65.4 98.0#
 51 38.0 29.5 44.3



#16
 Acetone
 Concen: 11.493 ug/l
 RT: 3.77 min Scan# 678
 Delta R.T. -0.00 min
 Lab File: VN061150.D
 Acq: 27 Apr 2020 15:39

Tgt Ion: 43 Resp: 7876
 Ion Ratio Lower Upper
 43 100
 58 25.4 22.2 33.2





#17

Carbon Disulfide

Concen: 0.864 ug/l

RT: 4.01 min Scan# 753

Delta R.T. 0.00 min

Lab File: VN061150.D

Acq: 27 Apr 2020 15:39

Instrument :

MSVOA_N

ClientSampleId :

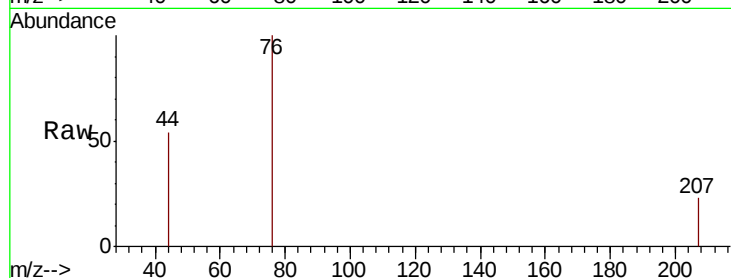
VSTDIC001

Tot Ion: 76 Resp: 2679

Ion Ratio Lower Upper

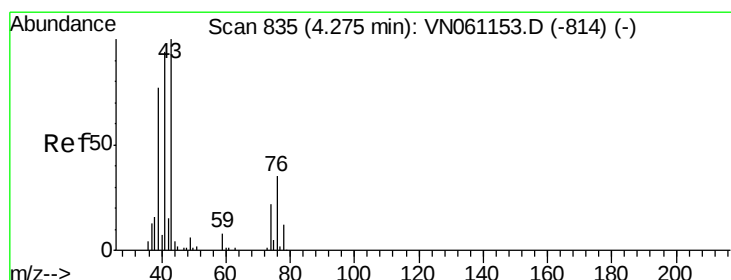
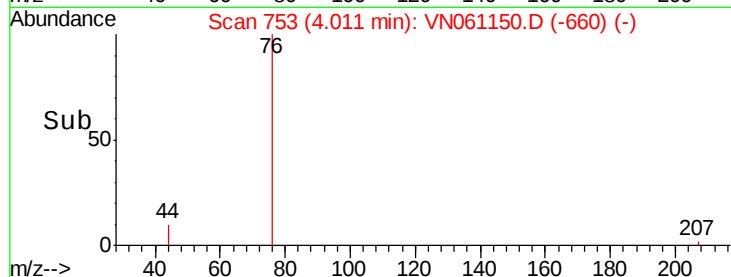
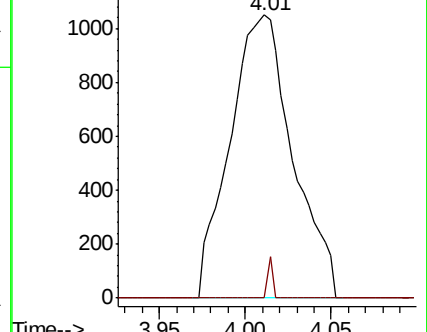
76 100

78 0.0 7.2 10.8#



Abundance Ion 75.90 (75.60 to 76.60): VN061150.D (-732) (-)

Ion 77.90 (77.60 to 78.60): VN061150.D (-732) (-)



#18

Methyl Acetate

Concen: 1.607 ug/l

RT: 4.28 min Scan# 836

Delta R.T. 0.00 min

Lab File: VN061150.D

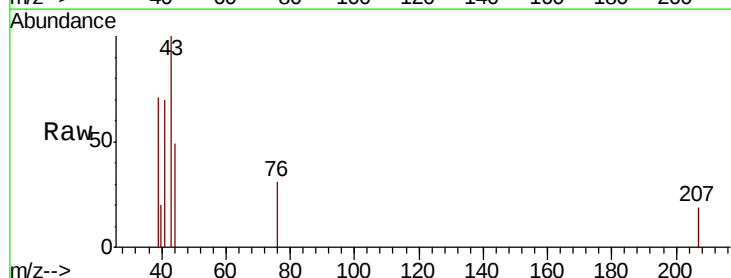
Acq: 27 Apr 2020 15:39

Tgt Ion: 43 Resp: 2982

Ion Ratio Lower Upper

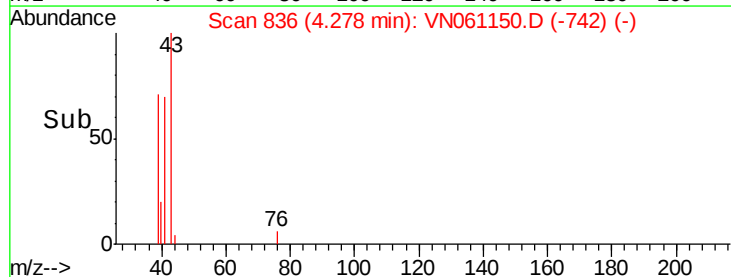
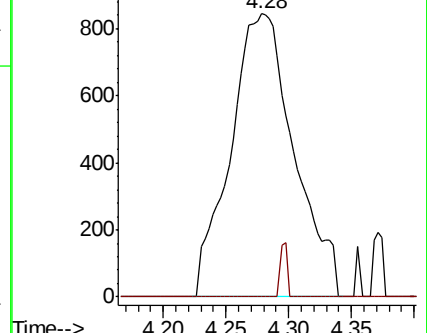
43 100

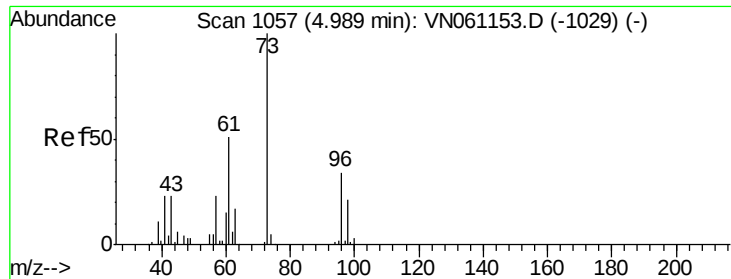
74 2.0 17.0 25.4#



Abundance Ion 43.00 (42.70 to 43.70): VN061150.D (-814) (-)

Ion 74.00 (73.70 to 74.70): VN061150.D (-814) (-)

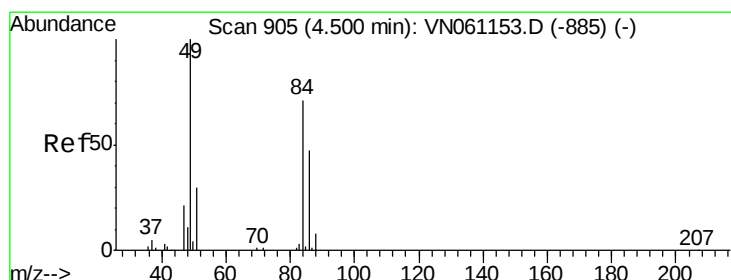
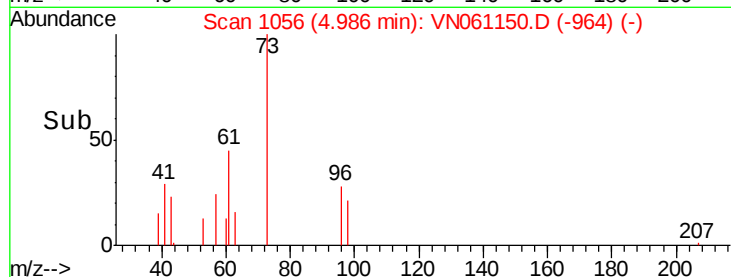
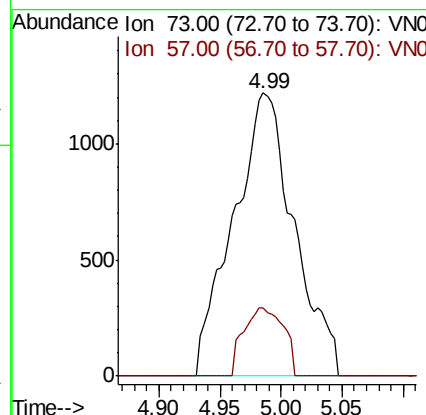
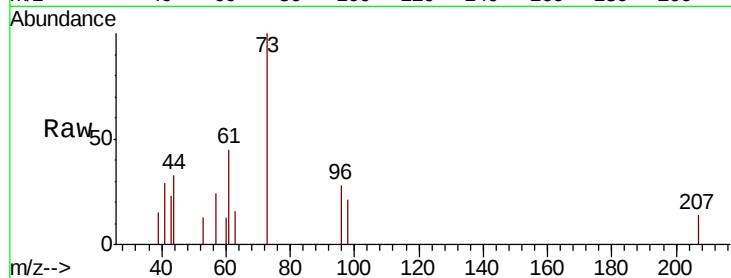




#19
Methvl tert-butvl Ether
Concen: 1.122 ug/l
RT: 4.99 min Scan# 1056
Delta R.T. -0.00 min
Lab File: VN061150.D
Acq: 27 Apr 2020 15:39

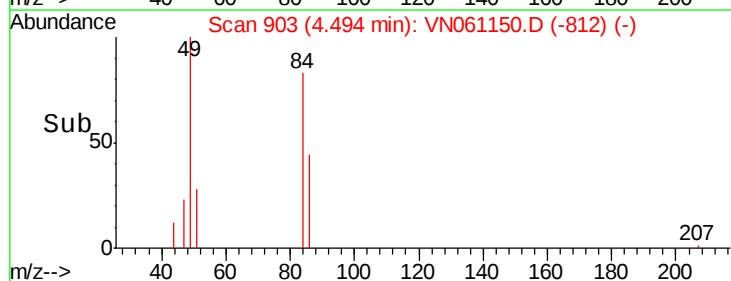
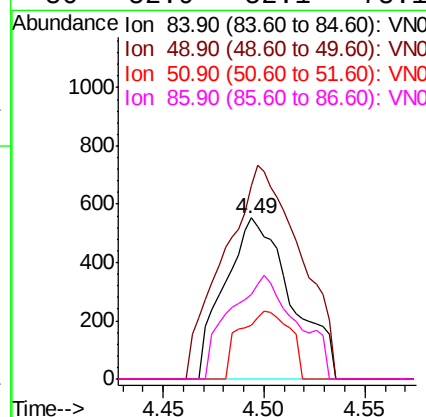
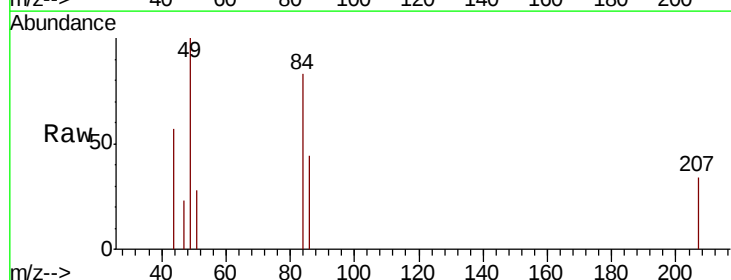
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

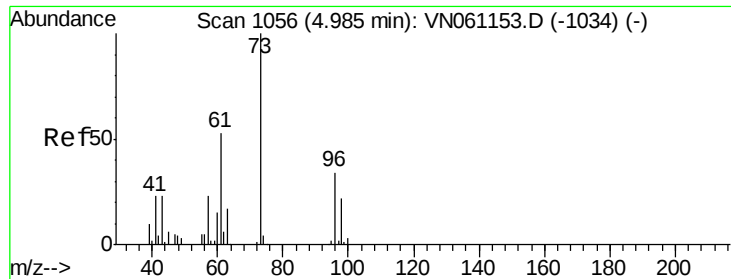
Tot Ion: 73 Resp: 4205
Ion Ratio Lower Upper
73 100
57 24.1 18.3 27.5



#20
Methylene Chloride
Concen: 1.046 ug/l
RT: 4.49 min Scan# 903
Delta R.T. -0.01 min
Lab File: VN061150.D
Acq: 27 Apr 2020 15:39

Tgt Ion: 84 Resp: 1276
Ion Ratio Lower Upper
84 100
49 120.5 112.0 168.0
51 33.2 33.6 50.4#
86 52.9 52.1 78.1

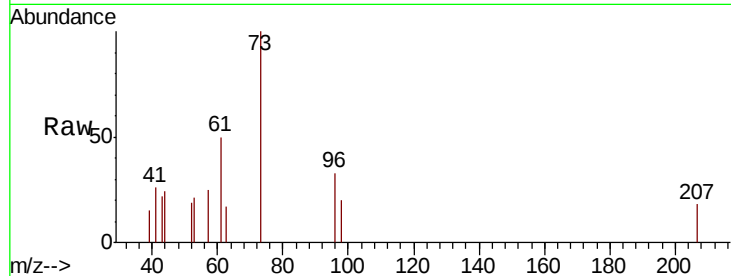




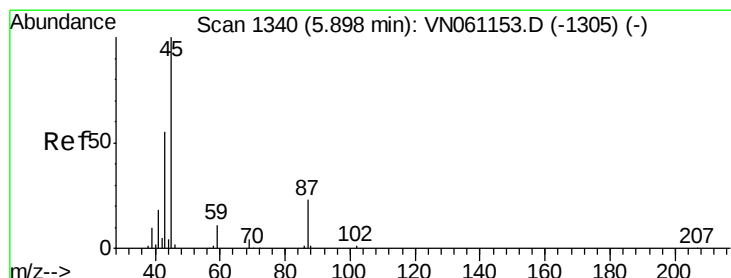
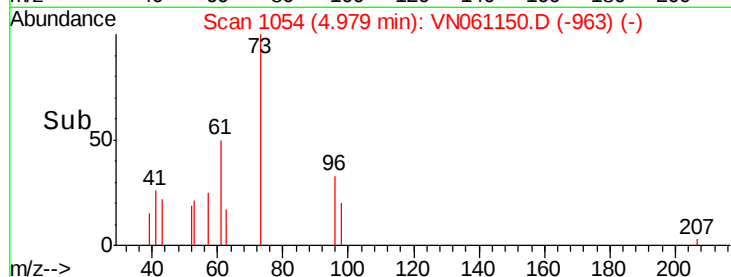
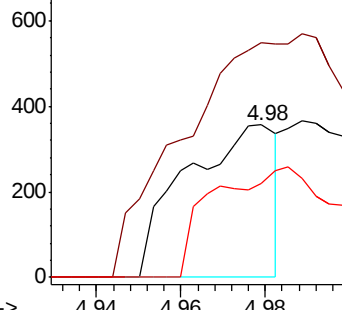
#21
trans-1,2-Dichloroethene
Concen: 0.424 ug/l
RT: 4.98 min Scan# 1054
Delta R.T. -0.01 min
Lab File: VN061150.D
Acq: 27 Apr 2020 15:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion: 96 Resp: 531
Ion Ratio Lower Upper
96 100
61 111.2 123.0 184.4#
98 61.9 50.1 75.1

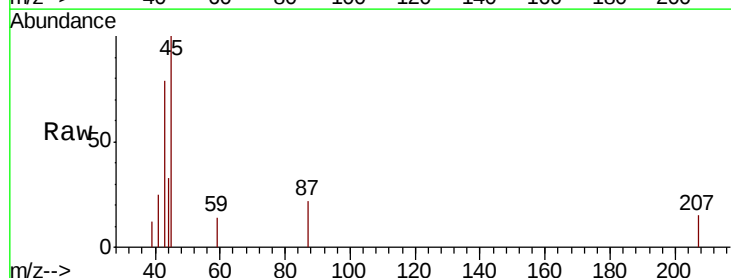


Abundance Ion 95.90 (95.60 to 96.60): VNO
Ion 60.90 (60.60 to 61.60): VNO
Ion 97.90 (97.60 to 98.60): VNO

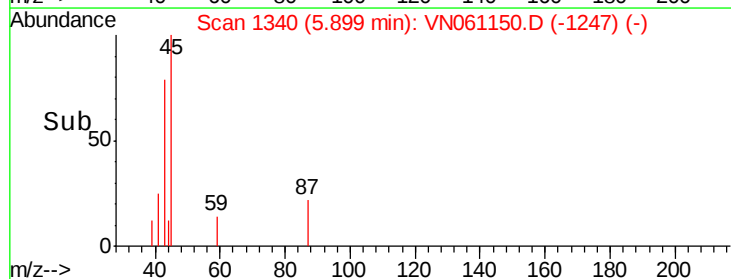
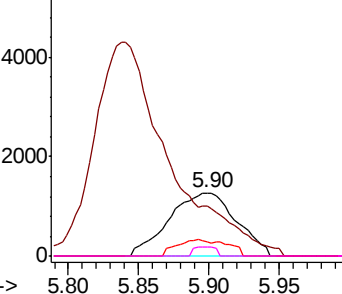


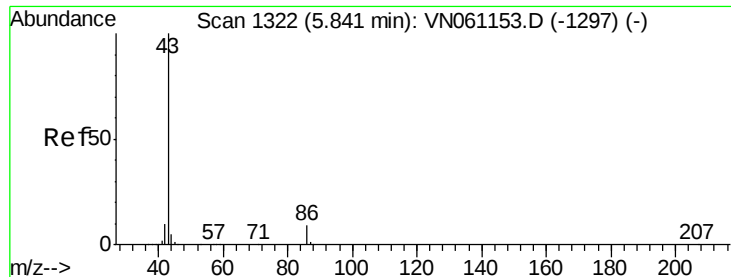
#22
Diisopropyl ether
Concen: 1.071 ug/l
RT: 5.90 min Scan# 1340
Delta R.T. 0.00 min
Lab File: VN061150.D
Acq: 27 Apr 2020 15:39

Tgt Ion: 45 Resp: 4228
Ion Ratio Lower Upper
45 100
43 66.2 47.9 71.9
87 22.3 19.2 28.8
59 14.1 9.0 13.4#



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





#23

Vinyl Acetate

Concen: 5.047 ug/l

RT: 5.84 min Scan# 1321

Delta R.T. -0.00 min

Lab File: VN061150.D

Acq: 27 Apr 2020 15:39

Instrument :

MSVOA_N

ClientSampleId :

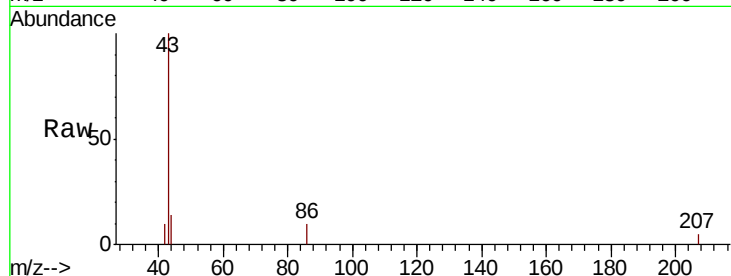
VSTDIC001

Tot Ion: 43 Resp: 15985

Ion Ratio Lower Upper

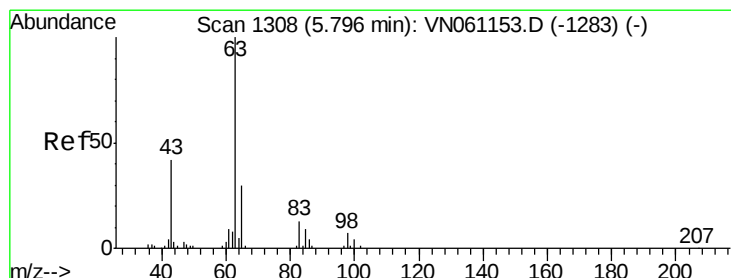
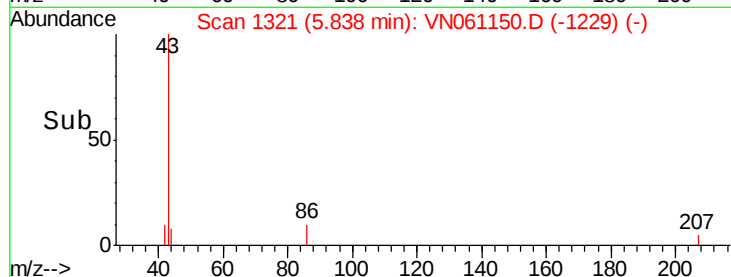
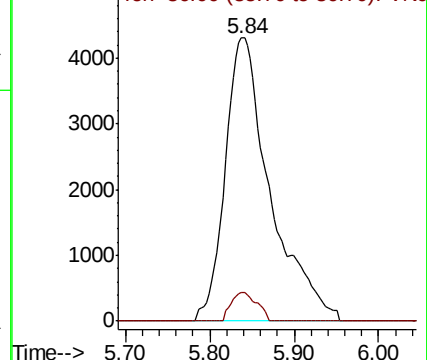
43 100

86 10.0 7.2 10.8



Abundance Ion 43.00 (42.70 to 43.70): VN061153.D (-1297) (-)

Ion 86.00 (85.70 to 86.70): VN061153.D (-1297) (-)



#24

1,1-Dichloroethane

Concen: 1.047 ug/l

RT: 5.79 min Scan# 1307

Delta R.T. -0.00 min

Lab File: VN061150.D

Acq: 27 Apr 2020 15:39

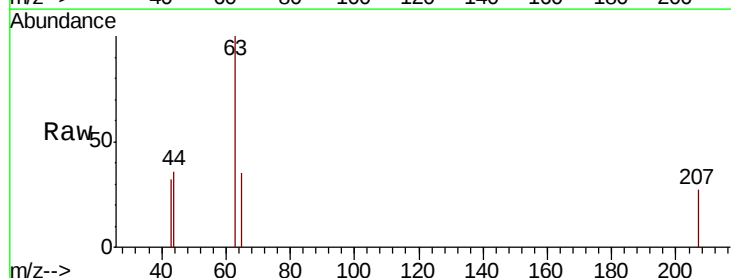
Tgt Ion: 63 Resp: 2255

Ion Ratio Lower Upper

63 100

98 0.0 3.3 9.9#

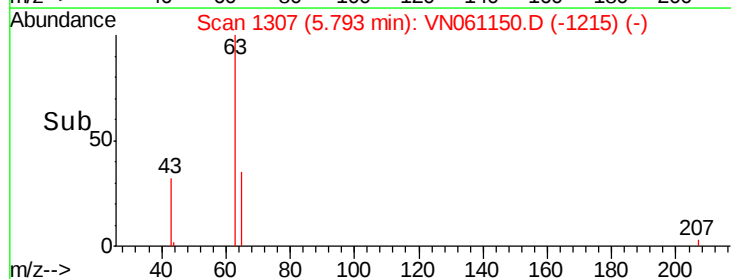
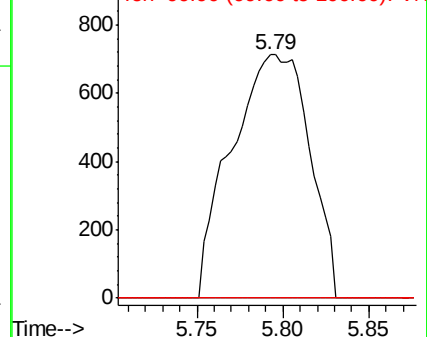
100 0.0 1.9 5.7#

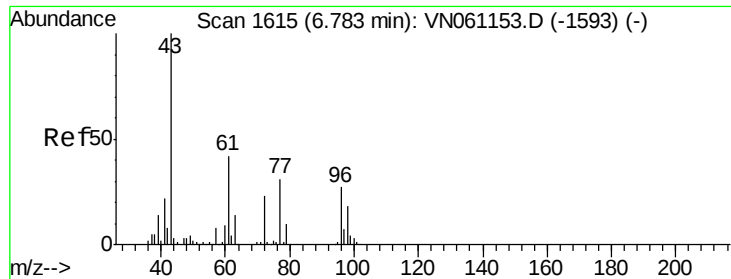


Abundance Ion 62.90 (62.60 to 63.60): VN061153.D (-1283) (-)

Ion 97.90 (97.60 to 98.60): VN061153.D (-1283) (-)

Ion 99.90 (99.60 to 100.60): VN061153.D (-1283) (-)





#25

2-Butanone

Concen: 5.361 ug/l

RT: 6.78 min Scan# 1615

Delta R.T. 0.00 min

Lab File: VN061150.D

Acq: 27 Apr 2020 15:39

Instrument :

MSVOA_N

ClientSampleId :

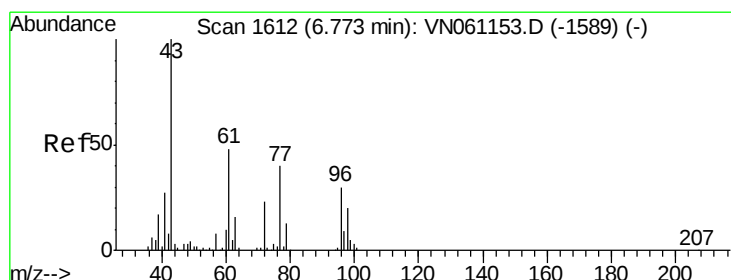
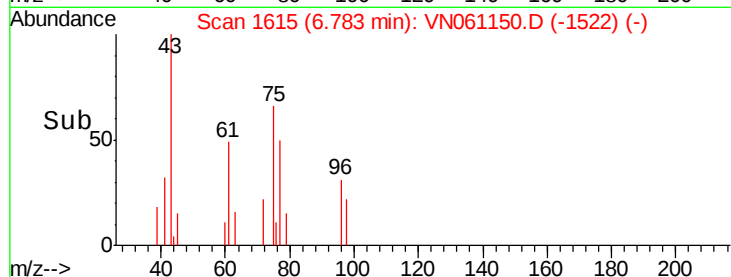
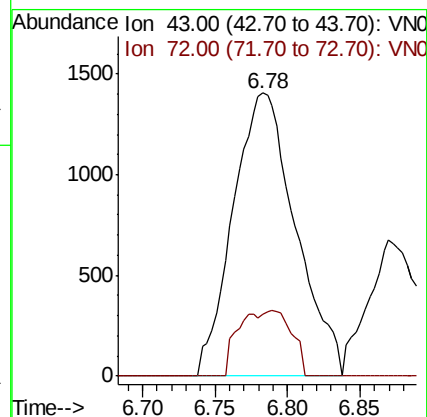
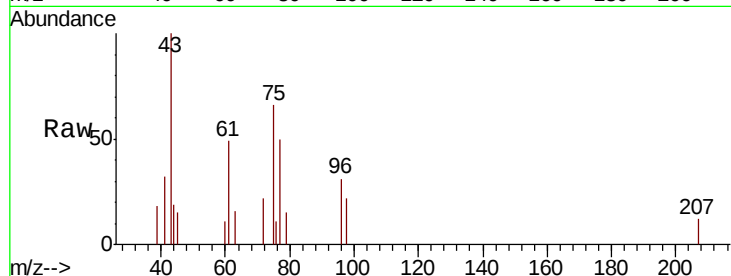
VSTDIC001

Tot Ion: 43 Resp: 4210

Ion Ratio Lower Upper

43 100

72 21.7 18.2 27.4



#26

2,2-Dichloropropane

Concen: 1.233 ug/l

RT: 6.77 min Scan# 1610

Delta R.T. -0.01 min

Lab File: VN061150.D

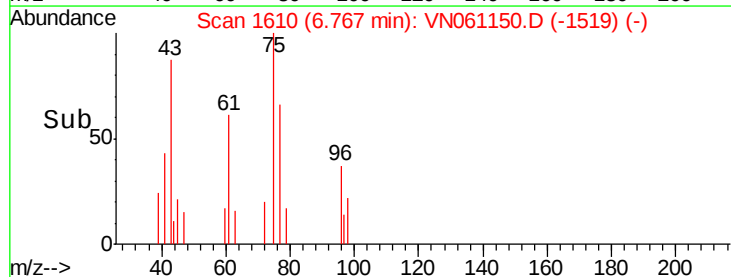
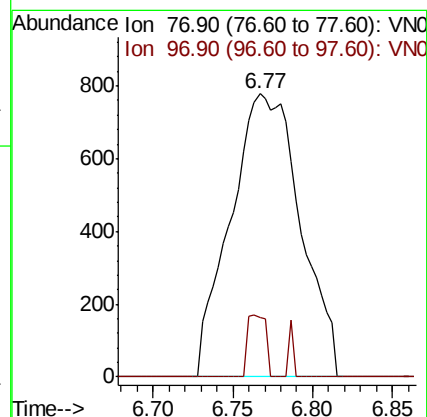
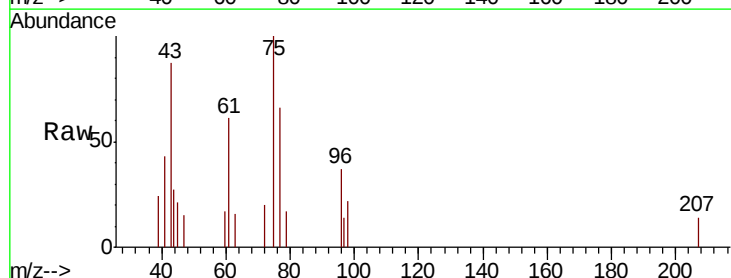
Acq: 27 Apr 2020 15:39

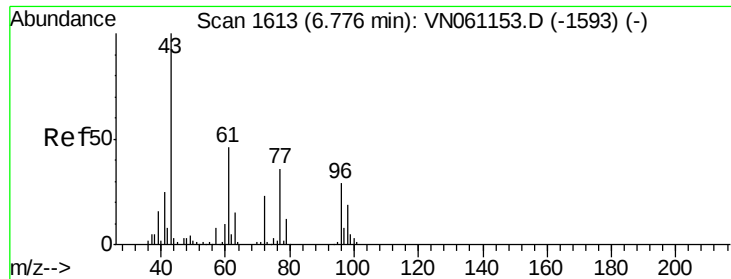
Tgt Ion: 77 Resp: 2343

Ion Ratio Lower Upper

77 100

97 5.5 10.5 31.5#





#27

cis-1,2-Dichloroethene

Concen: 0.502 ug/l

RT: 6.77 min Scan# 1611

Delta R.T. -0.01 min

Lab File: VN061150.D

Acq: 27 Apr 2020 15:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

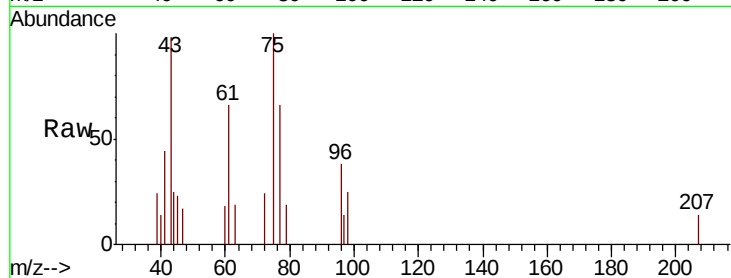
Tot Ion: 96 Resp: 699

Ion Ratio Lower Upper

96 100

61 283.7 0.0 322.0

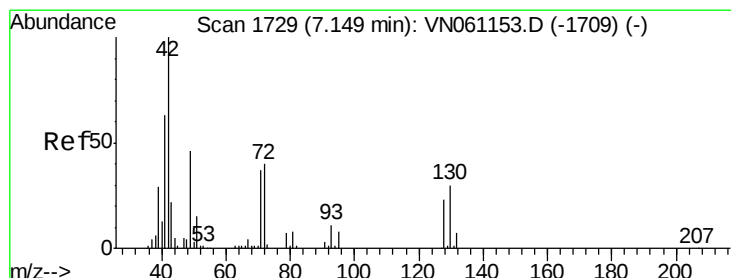
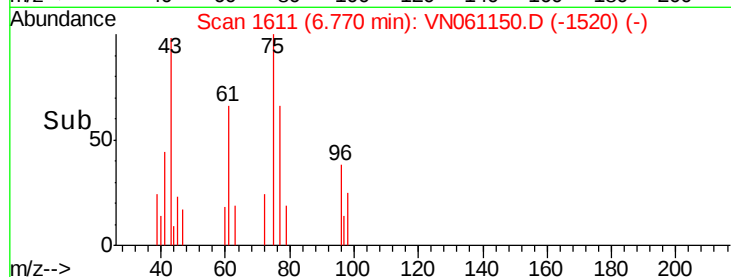
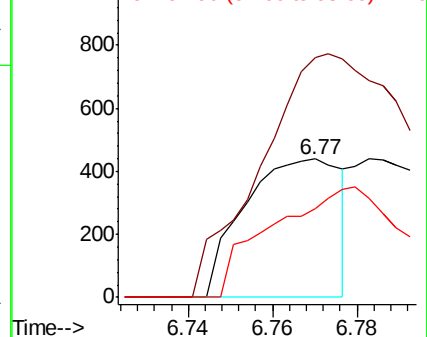
98 108.4 0.0 129.6



Abundance Ion 95.90 (95.60 to 96.60): VN061150.D (-1593) (-)

Ion 60.90 (60.60 to 61.60): VN061150.D (-1593) (-)

Ion 97.90 (97.60 to 98.60): VN061150.D (-1593) (-)



#28

Bromochloromethane

Concen: 1.106 ug/l

RT: 7.14 min Scan# 1727

Delta R.T. -0.01 min

Lab File: VN061150.D

Acq: 27 Apr 2020 15:39

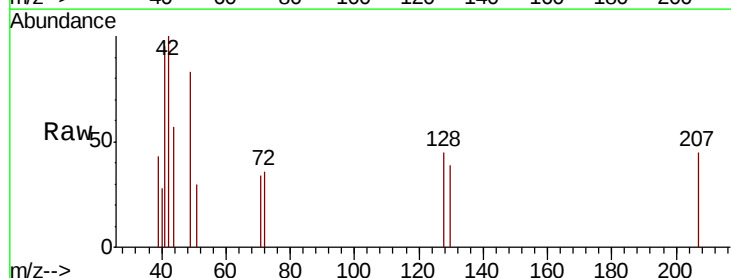
Tgt Ion: 49 Resp: 1033

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.0

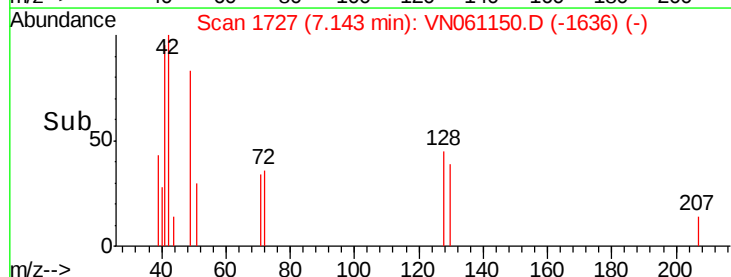
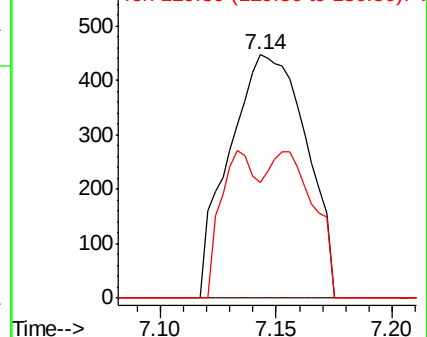
130 29.0 51.4 77.2#

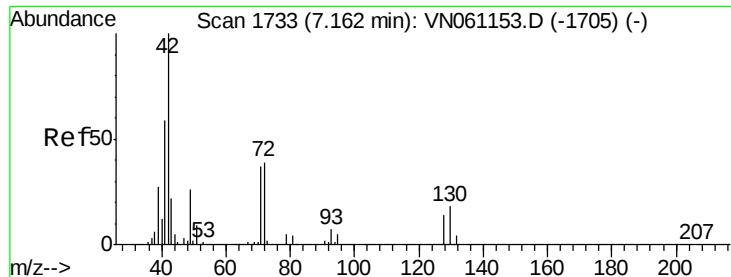


Abundance Ion 48.90 (48.60 to 49.60): VN061150.D (-1709) (-)

Ion 128.80 (128.50 to 129.50): VN061150.D (-1709) (-)

Ion 129.80 (129.50 to 130.50): VN061150.D (-1709) (-)





#29

Tetrahydrofuran

Concen: 4.949 ug/l

RT: 7.17 min Scan# 1734

Delta R.T. 0.00 min

Lab File: VN061150.D

Acq: 27 Apr 2020 15:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

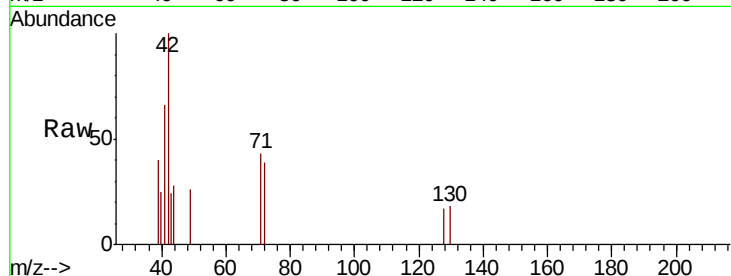
Tot Ion: 42 Resp: 2674

Ion Ratio Lower Upper

42 100

72 36.4 31.4 47.0

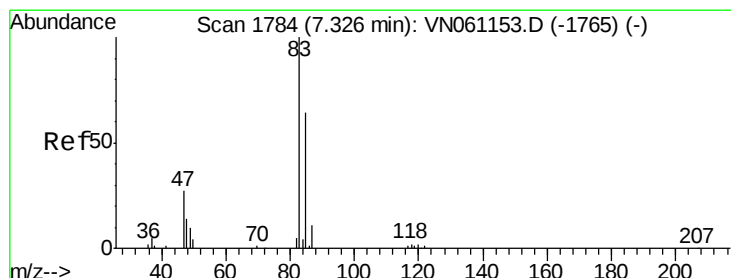
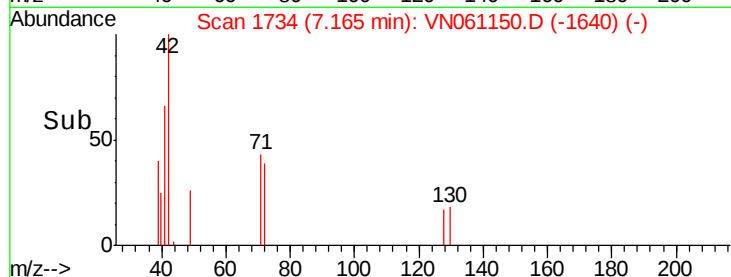
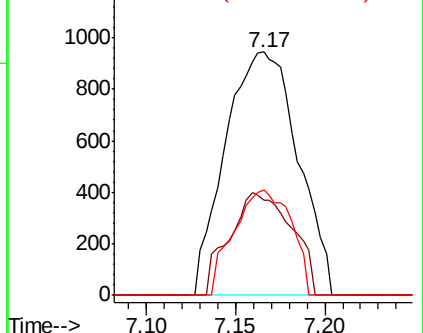
71 34.4 29.5 44.3



Abundance Ion 42.00 (41.70 to 42.70): VN061153.D (-1705) (-)

Ion 72.00 (71.70 to 72.70): VN061153.D (-1705) (-)

Ion 71.00 (70.70 to 71.70): VN061153.D (-1705) (-)



#30

Chloroform

Concen: 1.087 ug/l

RT: 7.33 min Scan# 1785

Delta R.T. 0.00 min

Lab File: VN061150.D

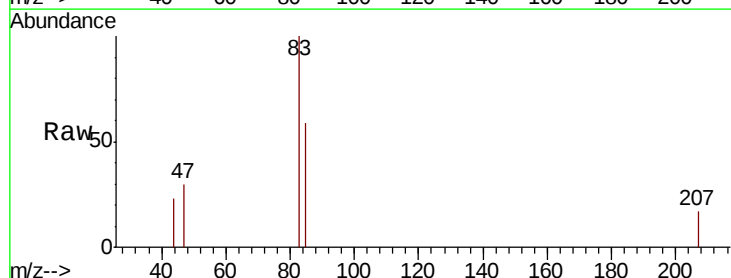
Acq: 27 Apr 2020 15:39

Tgt Ion: 83 Resp: 2368

Ion Ratio Lower Upper

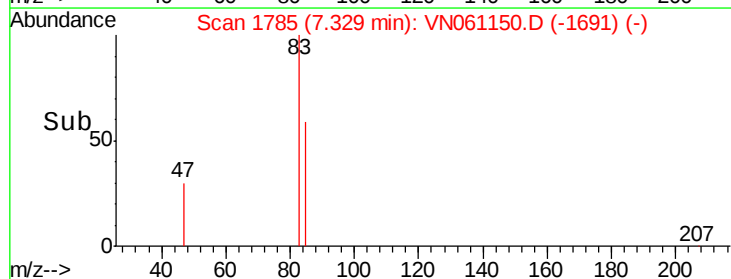
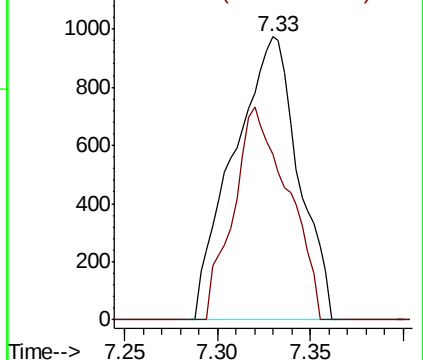
83 100

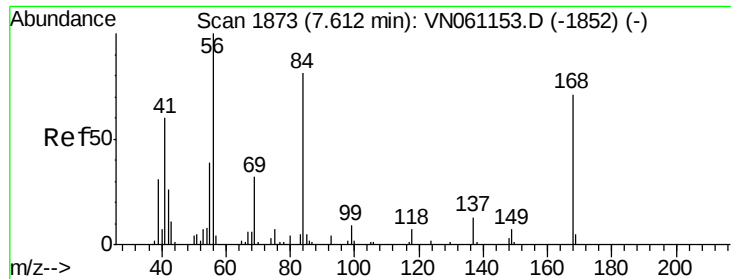
85 58.6 51.1 76.7



Abundance Ion 82.90 (82.60 to 83.60): VN061153.D (-1765) (-)

Ion 84.90 (84.60 to 85.60): VN061153.D (-1765) (-)

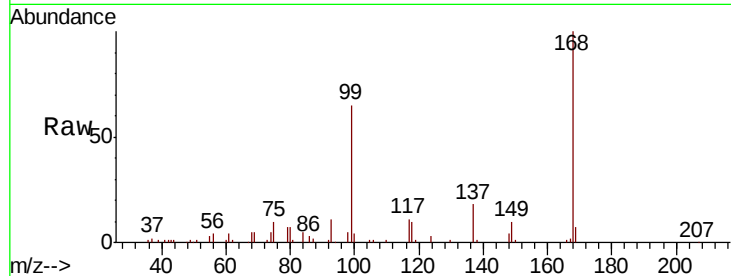




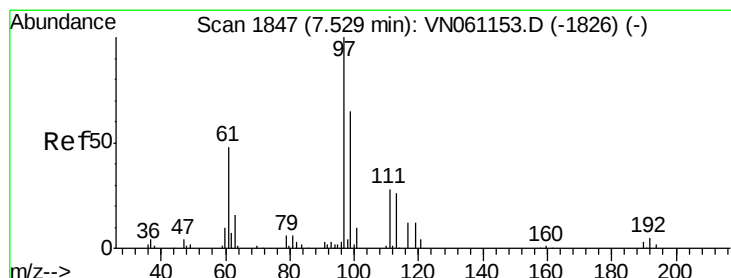
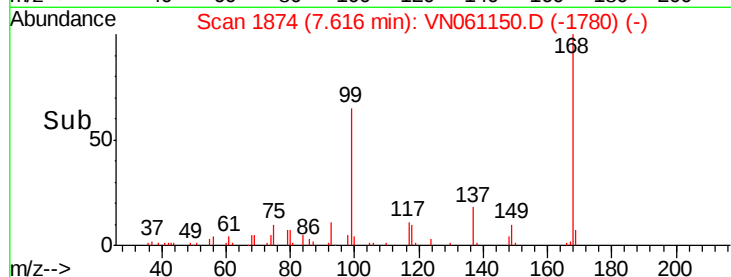
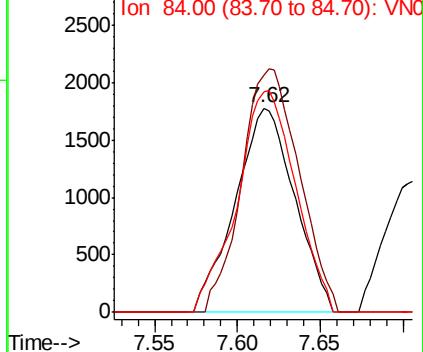
#31
Cvclohexane
Concen: 2.045 ug/l
RT: 7.62 min Scan# 1874
Delta R.T. 0.00 min
Lab File: VN061150.D
Acq: 27 Apr 2020 15:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion: 56 Resp: 4421
Ion Ratio Lower Upper
56 100
69 115.8 25.7 38.5#
84 108.0 64.6 97.0#

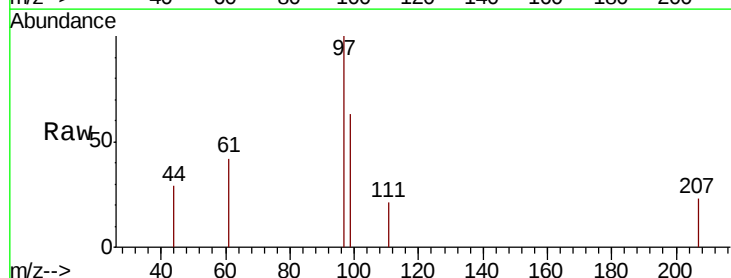


Abundance Ion 56.00 (55.70 to 56.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 84.00 (83.70 to 84.70): VNO

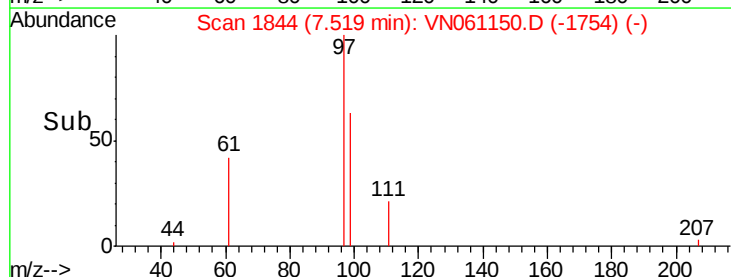
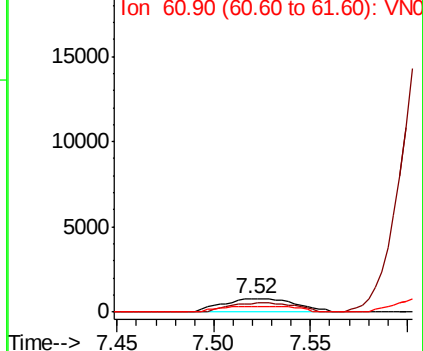


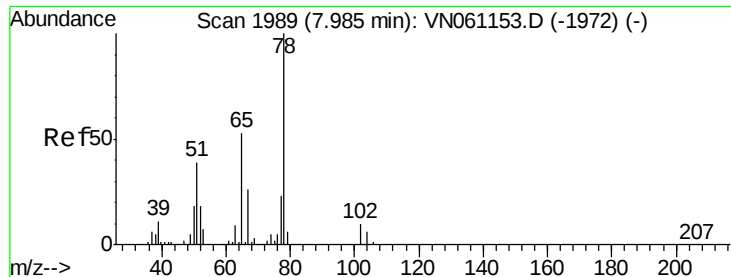
#32
1,1,1-Trichloroethane
Concen: 1.082 ug/l
RT: 7.52 min Scan# 1844
Delta R.T. -0.01 min
Lab File: VN061150.D
Acq: 27 Apr 2020 15:39

Tgt Ion: 97 Resp: 2101
Ion Ratio Lower Upper
97 100
99 0.0 51.3 76.9#
61 43.1 38.6 57.8



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

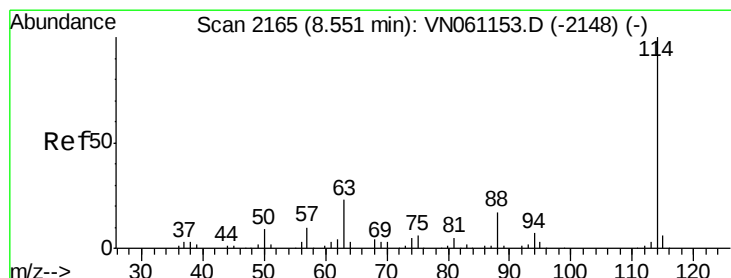
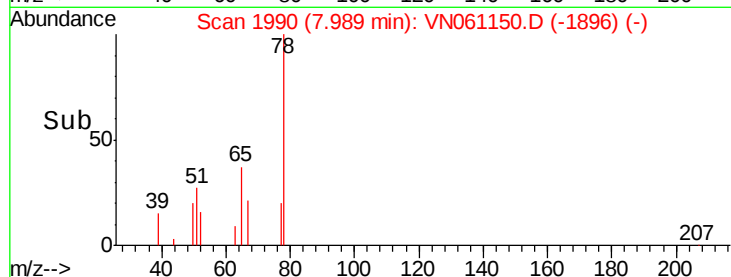
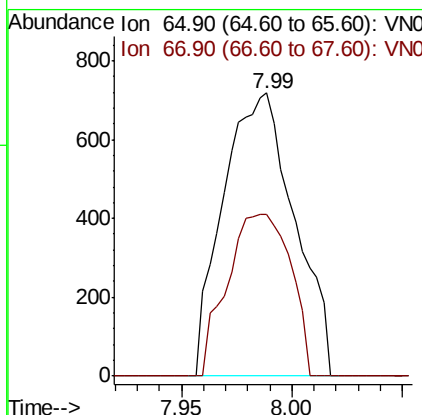
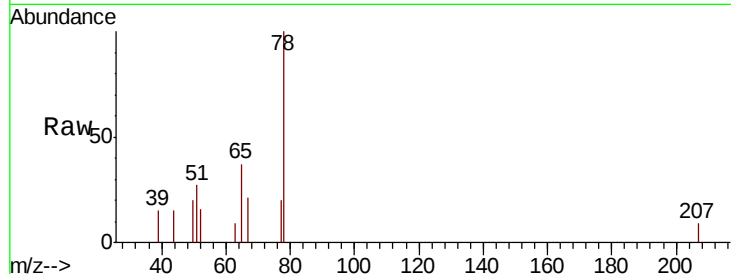




#33
 1,2-Dichloroethane-d4
 Concen: 1.126 ug/l
 RT: 7.99 min Scan# 1990
 Delta R.T. 0.00 min
 Lab File: VN061150.D
 Acq: 27 Apr 2020 15:39

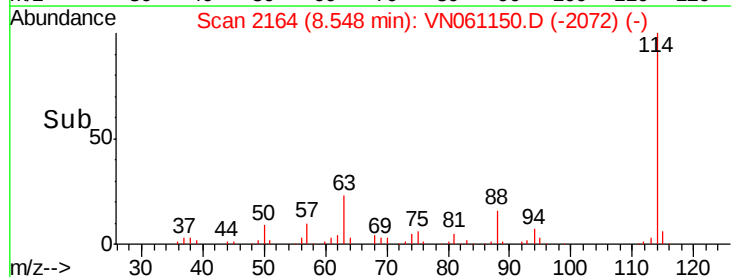
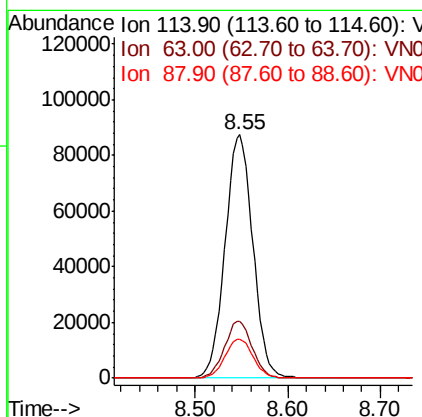
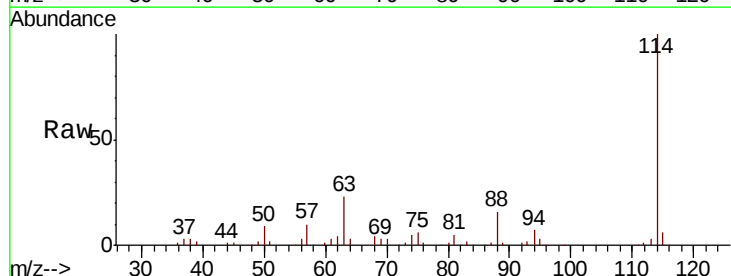
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

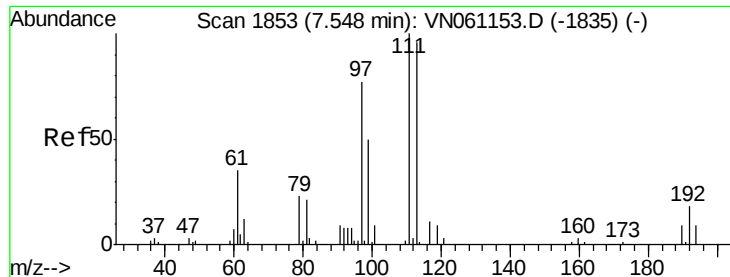
Tot Ion: 65 Resp: 1605
 Ion Ratio Lower Upper
 65 100
 67 50.8 0.0 101.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2164
 Delta R.T. -0.00 min
 Lab File: VN061150.D
 Acq: 27 Apr 2020 15:39

Tgt Ion: 114 Resp: 181712
 Ion Ratio Lower Upper
 114 100
 63 23.3 0.0 46.6
 88 16.2 0.0 33.4





#35

Dibromofluoromethane

Concen: 1.050 ug/l

RT: 7.54 min Scan# 1852

Delta R.T. -0.00 min

Lab File: VN061150.D

Acq: 27 Apr 2020 15:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

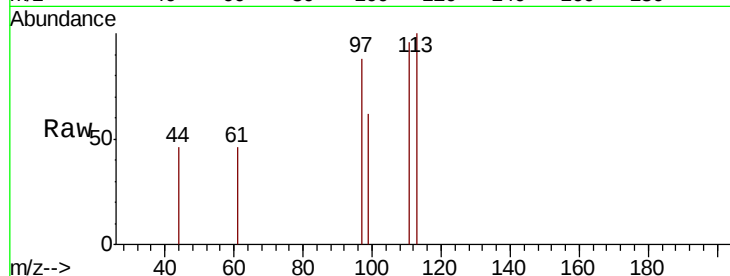
Tot Ion:113 Resp: 1093

Ion Ratio Lower Upper

113 100

111 95.0 82.9 124.3

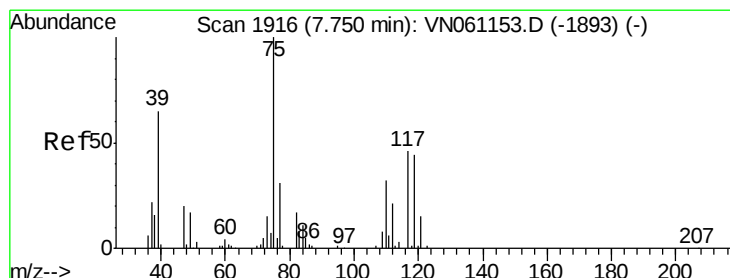
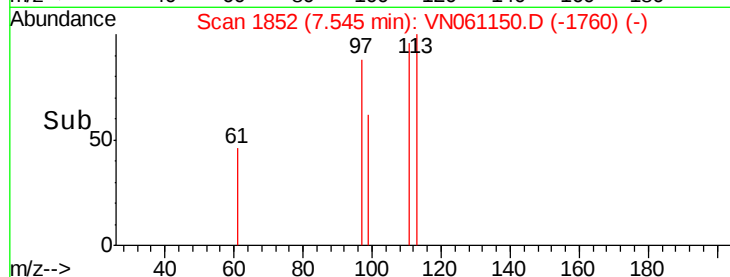
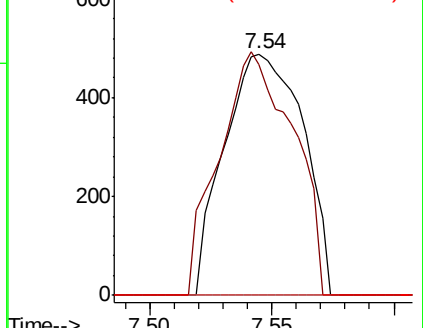
192 0.0 14.7 22.1#



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 0.882 ug/l

RT: 7.75 min Scan# 1916

Delta R.T. 0.00 min

Lab File: VN061150.D

Acq: 27 Apr 2020 15:39

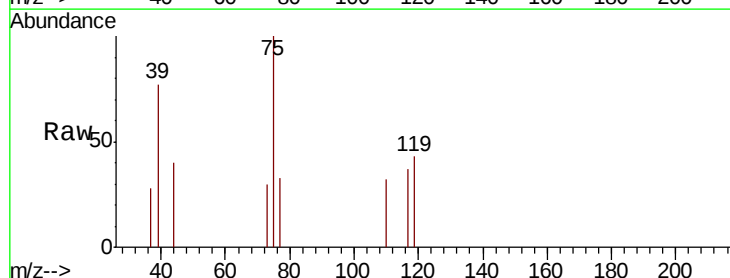
Tgt Ion: 75 Resp: 1571

Ion Ratio Lower Upper

75 100

110 23.7 16.0 48.0

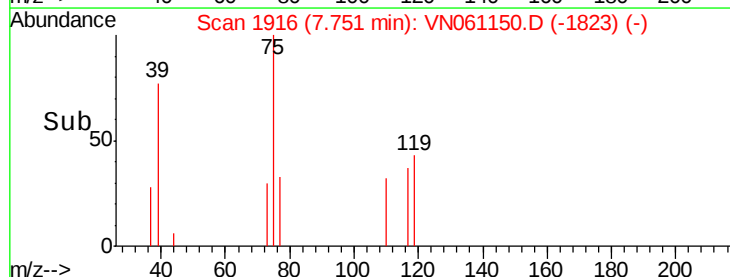
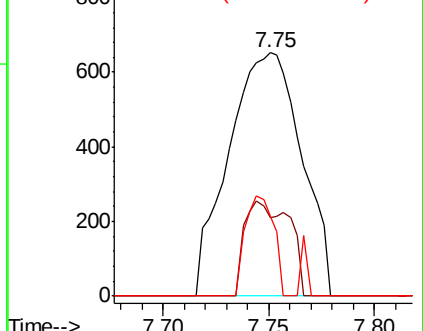
77 16.1 24.6 37.0#

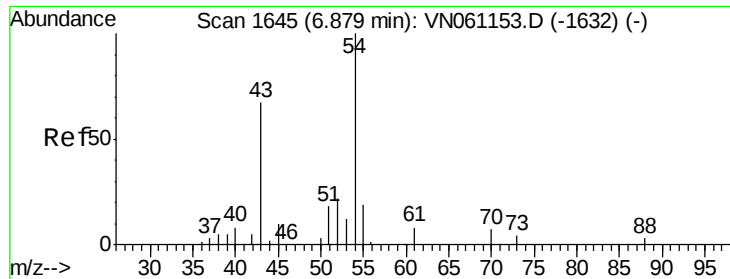


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

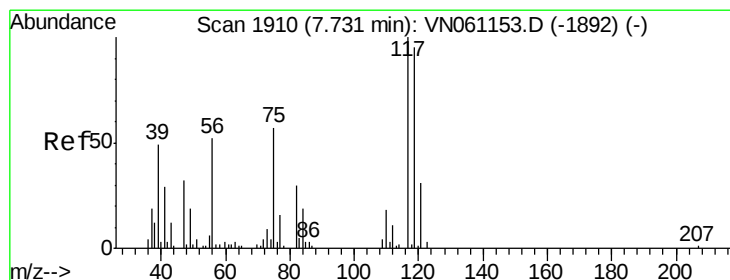
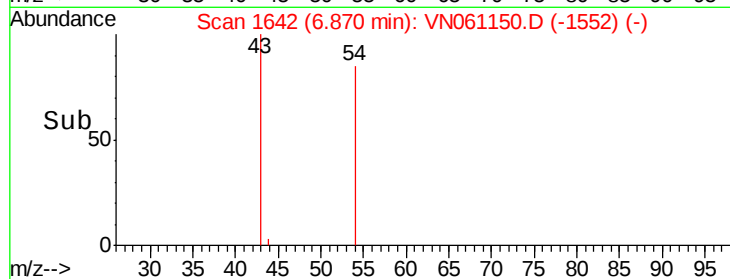
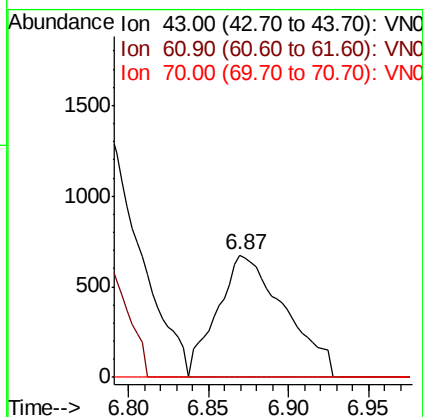
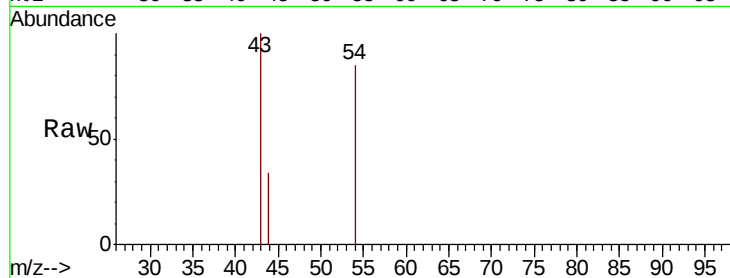




#37
Ethyl Acetate
Concen: 1.071 ug/l
RT: 6.87 min Scan# 1642
Delta R.T. -0.01 min
Lab File: VN061150.D
Acq: 27 Apr 2020 15:39

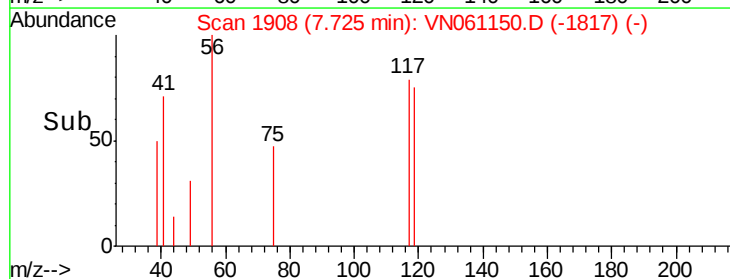
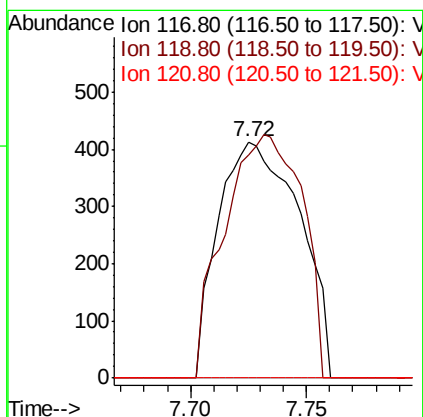
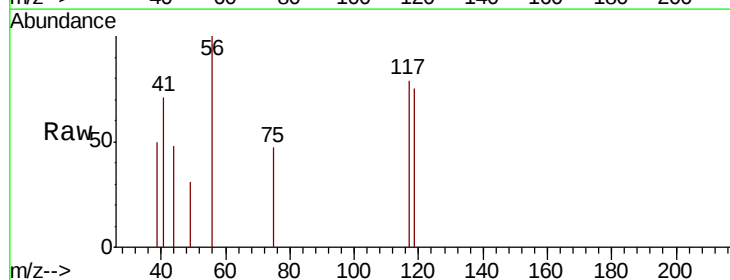
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

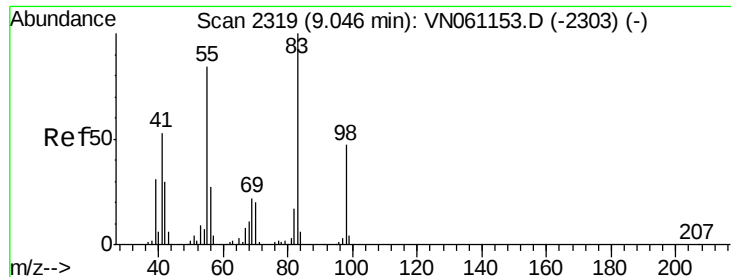
Tot Ion: 43 Resp: 1960
Ion Ratio Lower Upper
43 100
61 0.0 10.2 15.2#
70 0.0 7.2 10.8#



#38
Carbon Tetrachloride
Concen: 0.649 ug/l
RT: 7.72 min Scan# 1908
Delta R.T. -0.01 min
Lab File: VN061150.D
Acq: 27 Apr 2020 15:39

Tgt Ion: 117 Resp: 1005
Ion Ratio Lower Upper
117 100
119 94.7 75.8 113.6
121 0.0 24.7 37.1#

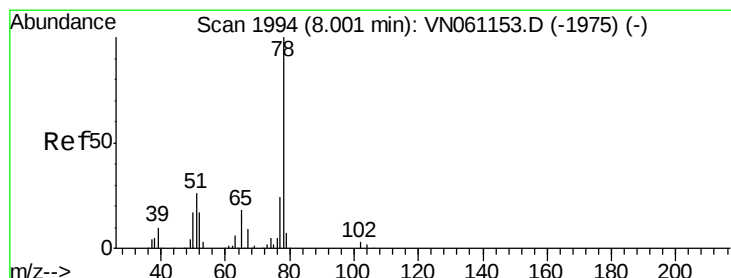
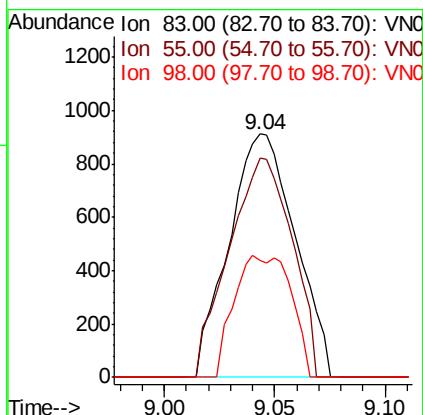
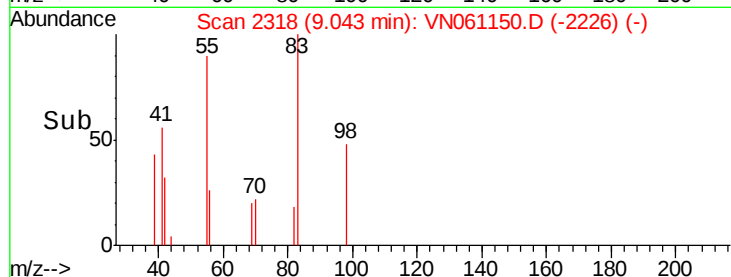
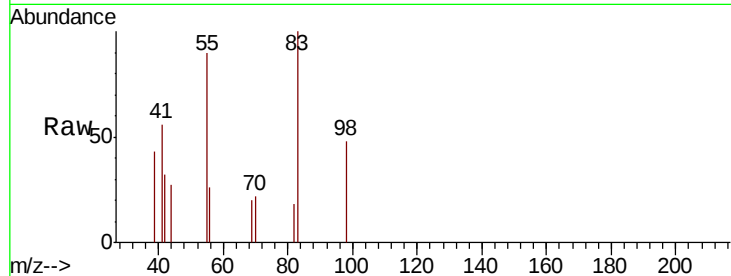




#39
Methvlcvclohexane
Concen: 0.882 ug/l
RT: 9.04 min Scan# 2318
Delta R.T. -0.00 min
Lab File: VN061150.D
Acq: 27 Apr 2020 15:39

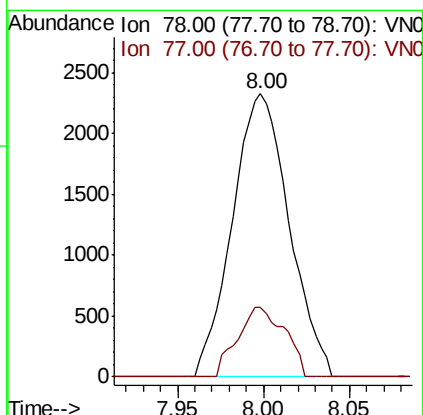
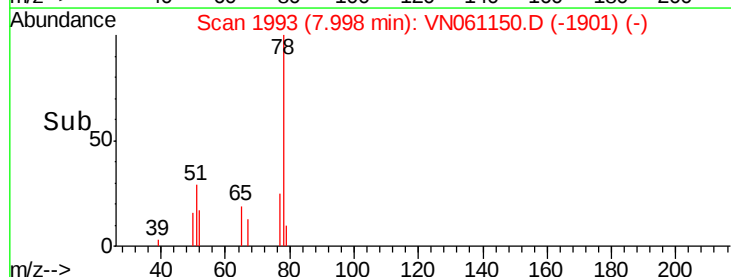
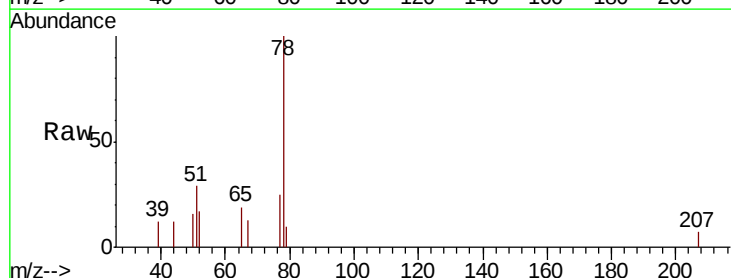
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

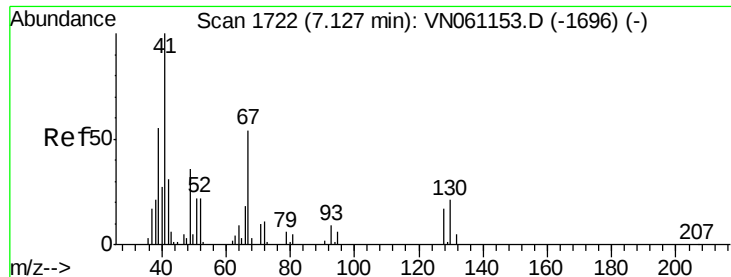
Tot Ion: 83 Resp: 1894
Ion Ratio Lower Upper
83 100
55 90.0 67.3 100.9
98 48.2 37.7 56.5



#40
Benzene
Concen: 1.013 ug/l
RT: 8.00 min Scan# 1993
Delta R.T. -0.00 min
Lab File: VN061150.D
Acq: 27 Apr 2020 15:39

Tgt Ion: 78 Resp: 5334
Ion Ratio Lower Upper
78 100
77 24.7 19.0 28.6

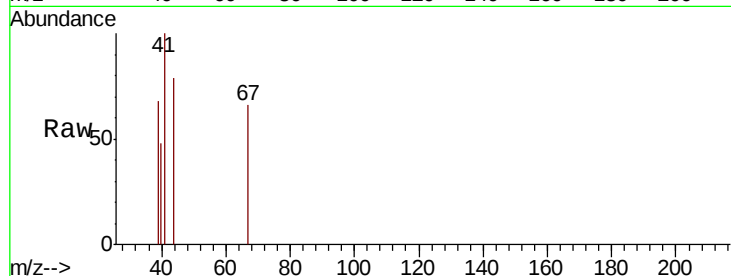




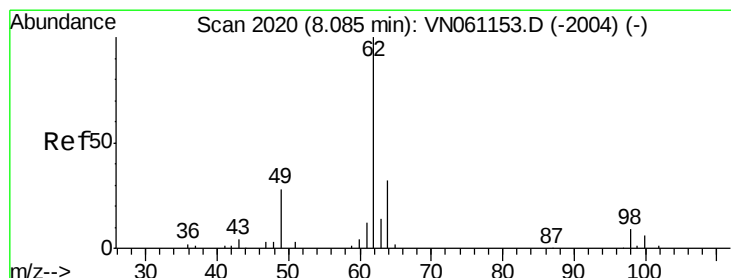
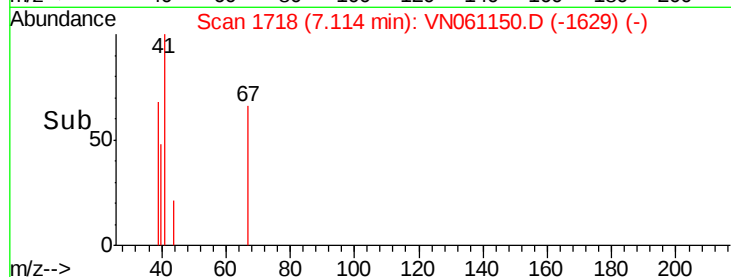
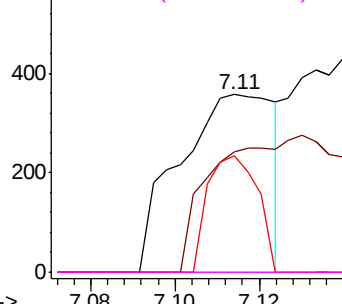
#41
Methacrylonitrile
Concen: 0.668 ug/l
RT: 7.11 min Scan# 1718
Delta R.T. -0.01 min
Lab File: VN061150.D
Acq: 27 Apr 2020 15:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion:	41	Resp:	560
Ion	Ratio	Lower	Upper
41	100		
39	113.0	0.0	0.0#
67	34.1	0.0	0.0#
52	0.0	0.0	0.0

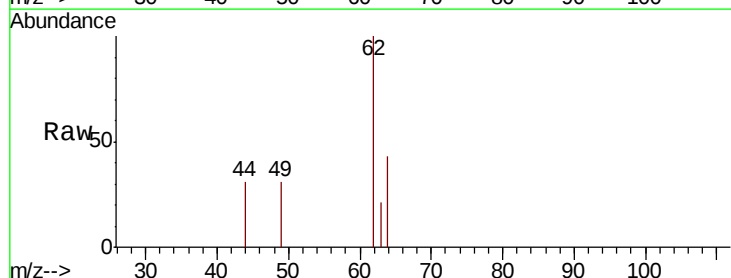


Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 67.00 (66.70 to 67.70): VNO
Ion 52.00 (51.70 to 52.70): VNO

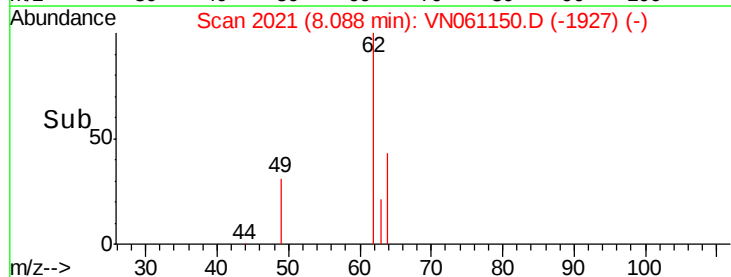
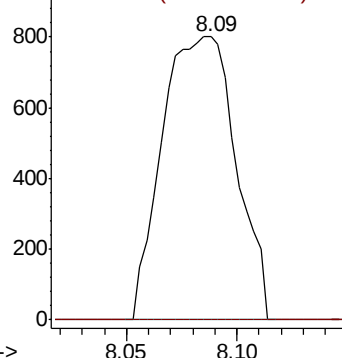


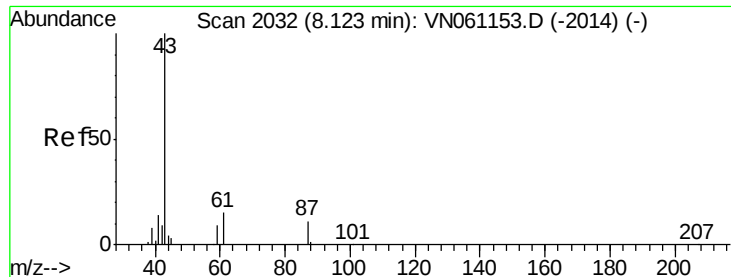
#42
1,2-Dichloroethane
Concen: 0.978 ug/l
RT: 8.09 min Scan# 2021
Delta R.T. 0.00 min
Lab File: VN061150.D
Acq: 27 Apr 2020 15:39

Tgt Ion:	62	Resp:	1863
Ion	Ratio	Lower	Upper
62	100		
98	0.0	0.0	16.8



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





#43

Isopropyl Acetate

Concen: 1.065 ug/l

RT: 8.12 min Scan# 2031

Delta R.T. -0.00 min

Lab File: VN061150.D

Acq: 27 Apr 2020 15:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

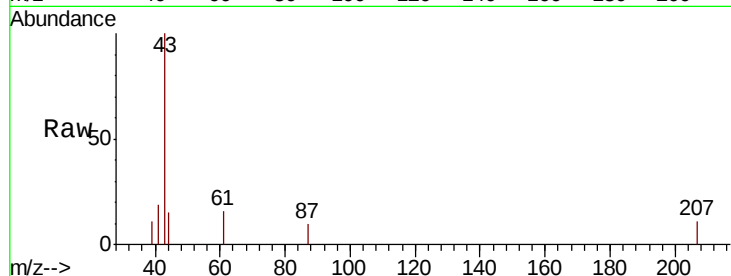
Tot Ion: 43 Resp: 3302

Ion Ratio Lower Upper

43 100

61 14.9 19.5 29.3#

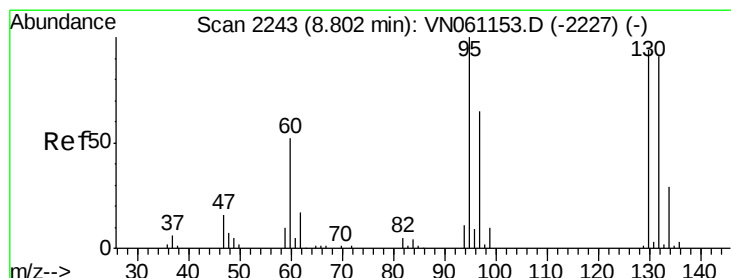
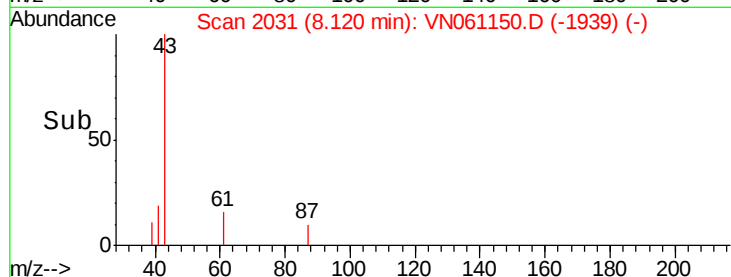
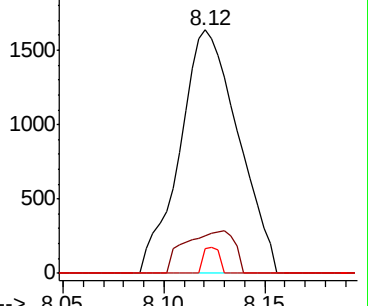
87 2.9 8.9 13.3#



Abundance Ion 43.00 (42.70 to 43.70): VN061153.D (-2014) (-)

Ion 61.00 (60.70 to 61.70): VN061153.D (-2014) (-)

Ion 87.00 (86.70 to 87.70): VN061153.D (-2014) (-)



#44

Trichloroethene

Concen: 1.025 ug/l

RT: 8.80 min Scan# 2242

Delta R.T. -0.00 min

Lab File: VN061150.D

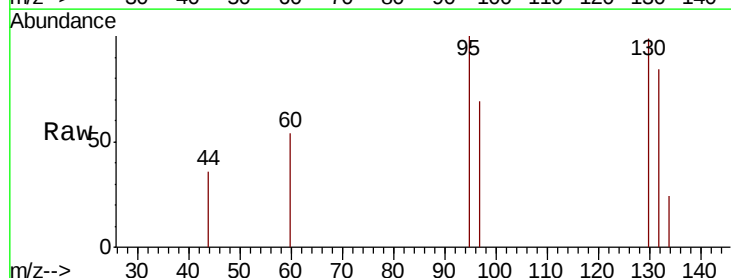
Acq: 27 Apr 2020 15:39

Tgt Ion: 130 Resp: 1552

Ion Ratio Lower Upper

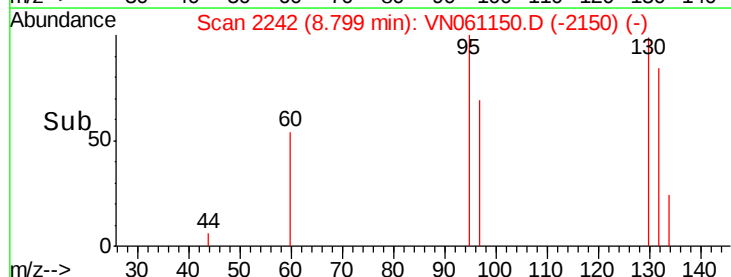
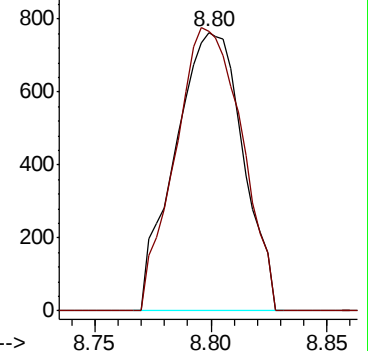
130 100

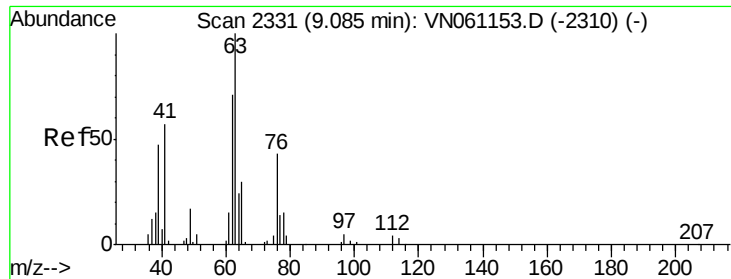
95 100.5 0.0 212.4



Abundance Ion 129.80 (129.50 to 130.50): VN061153.D (-2227) (-)

Ion 94.90 (94.60 to 95.60): VN061153.D (-2227) (-)

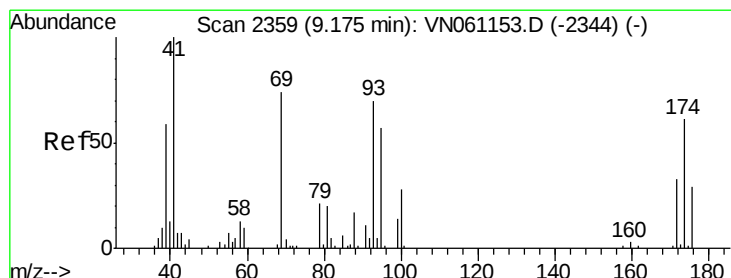
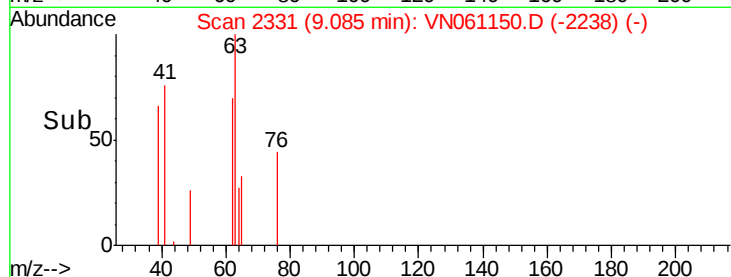
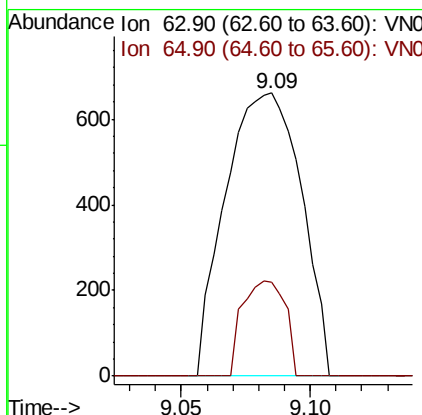
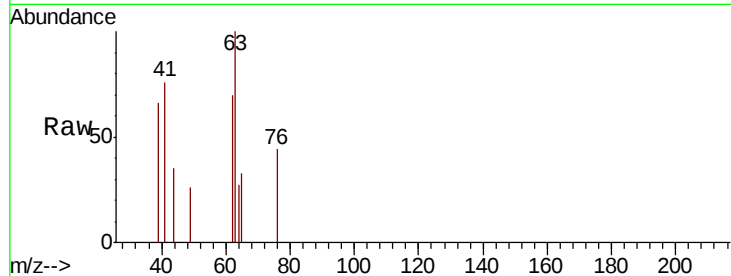




#45
 1,2-Dichloropropane
 Concen: 0.968 ug/l
 RT: 9.09 min Scan# 2331
 Delta R.T. 0.00 min
 Lab File: VN061150.D
 Acq: 27 Apr 2020 15:39

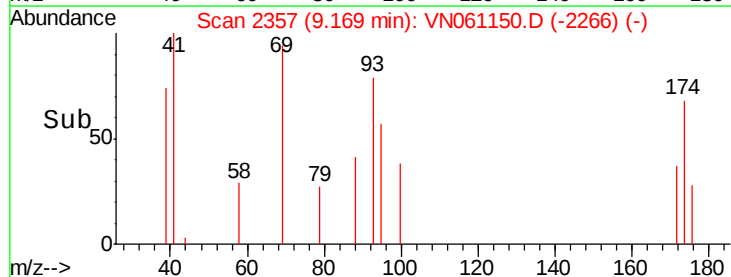
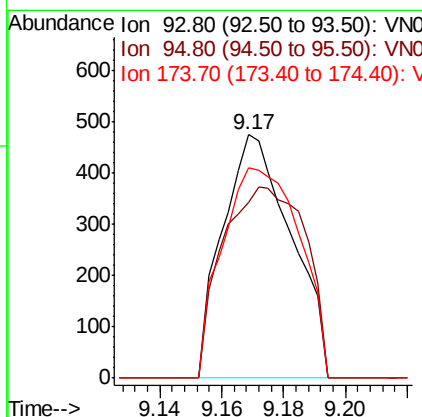
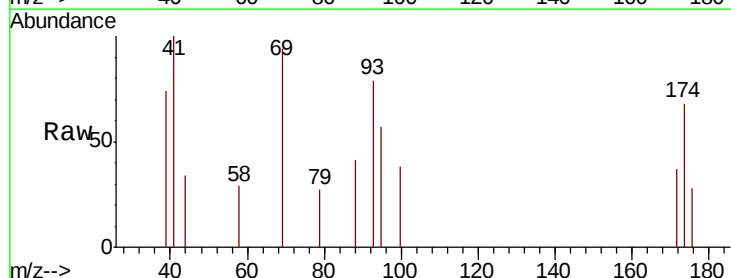
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

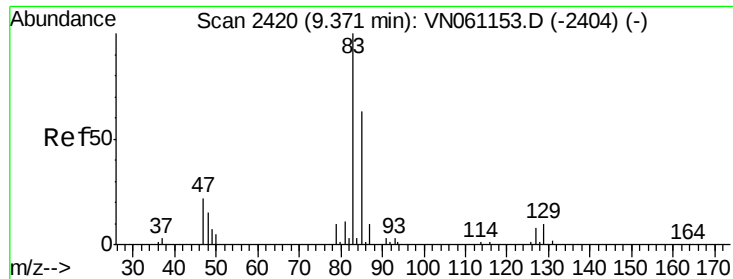
Tot Ion: 63 Resp: 1356
 Ion Ratio Lower Upper
 63 100
 65 33.3 24.7 37.1



#46
 Dibromomethane
 Concen: 0.816 ug/l
 RT: 9.17 min Scan# 2357
 Delta R.T. -0.01 min
 Lab File: VN061150.D
 Acq: 27 Apr 2020 15:39

Tgt Ion: 93 Resp: 728
 Ion Ratio Lower Upper
 93 100
 95 95.1 66.6 99.8
 174 97.7 70.2 105.2





#47

Bromodichloromethane

Concen: 0.965 ug/l

RT: 9.37 min Scan# 2419

Delta R.T. -0.00 min

Lab File: VN061150.D

Acq: 27 Apr 2020 15:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

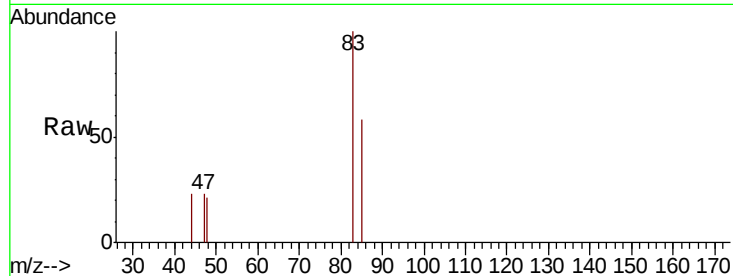
Tot Ion: 83 Resp: 1713

Ion Ratio Lower Upper

83 100

85 58.2 50.4 75.6

127 0.0 6.2 9.2#

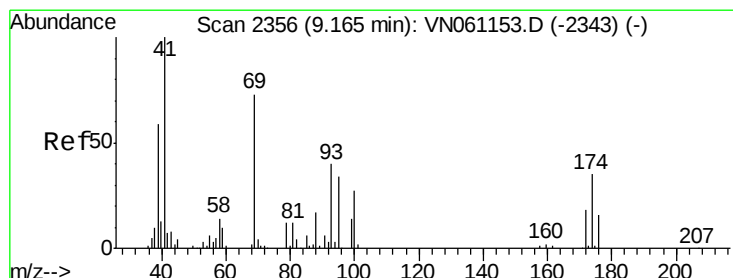
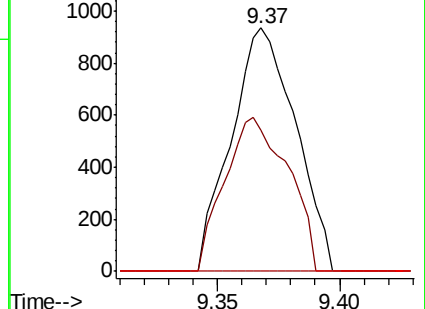
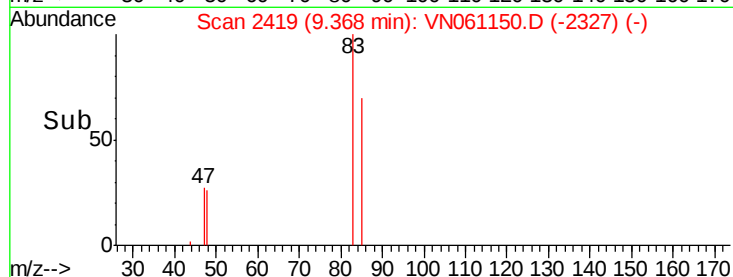


Abundance Ion 82.90 (82.60 to 83.60): VN061150.D (-2404) (-)

Ion 84.90 (84.60 to 85.60): VN061150.D (-2404) (-)

Ion 126.80 (126.50 to 127.50): VN061150.D (-2404) (-)

Time-->



#48

Methyl methacrylate

Concen: 0.945 ug/l

RT: 9.16 min Scan# 2355

Delta R.T. -0.00 min

Lab File: VN061150.D

Acq: 27 Apr 2020 15:39

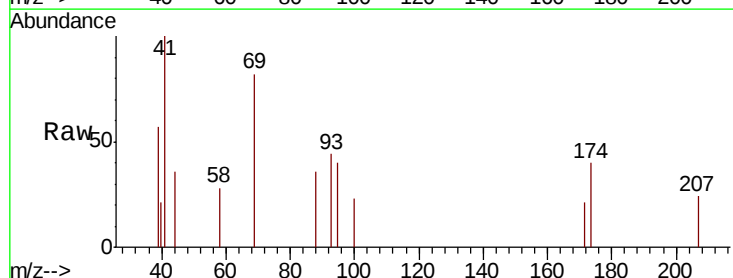
Tgt Ion: 41 Resp: 1373

Ion Ratio Lower Upper

41 100

69 73.0 60.3 90.5

39 59.4 47.4 71.0

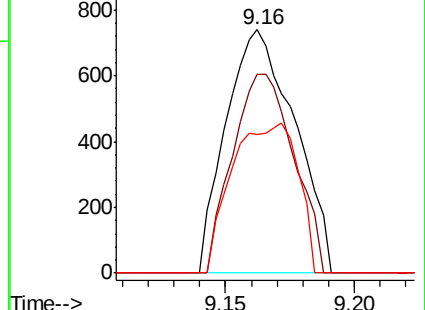
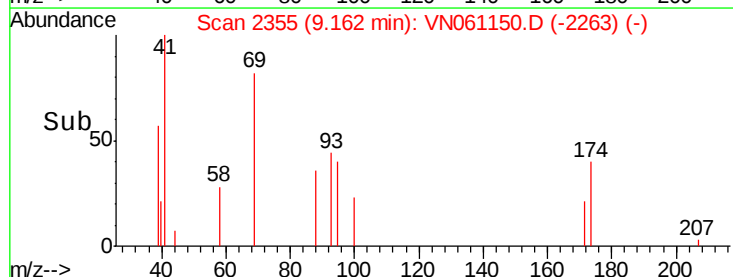


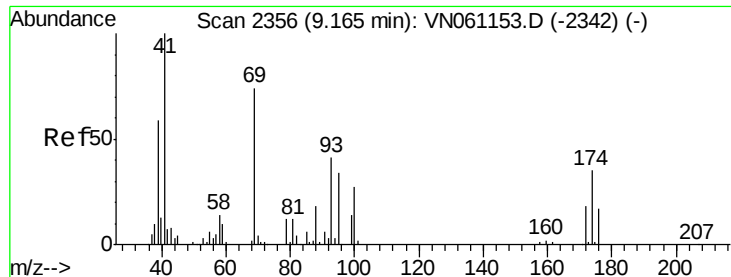
Abundance Ion 41.00 (40.70 to 41.70): VN061150.D (-2263) (-)

Ion 69.00 (68.70 to 69.70): VN061150.D (-2263) (-)

Ion 39.00 (38.70 to 39.70): VN061150.D (-2263) (-)

Time-->

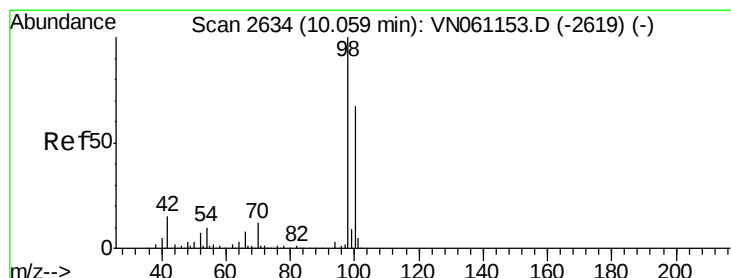
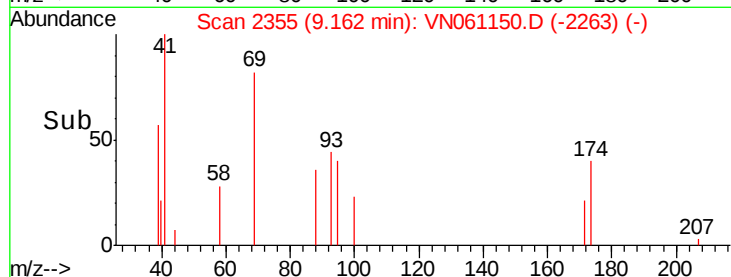
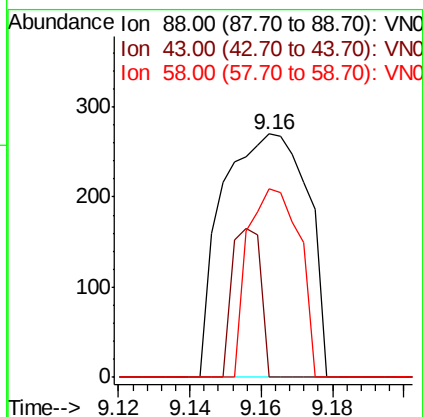
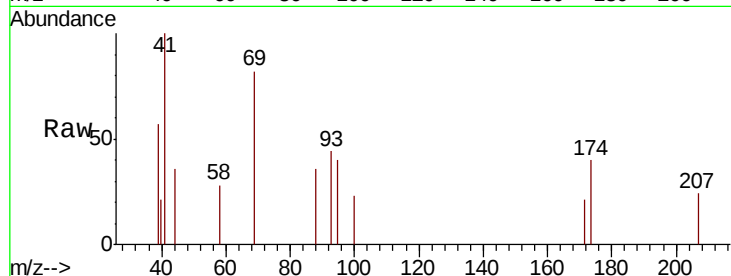




#49
1,4-Dioxane
Concen: 20.934 ug/l
RT: 9.16 min Scan# 2355
Delta R.T. -0.00 min
Lab File: VN061150.D
Acq: 27 Apr 2020 15:39

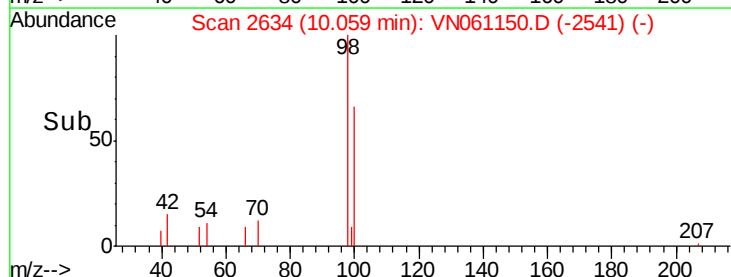
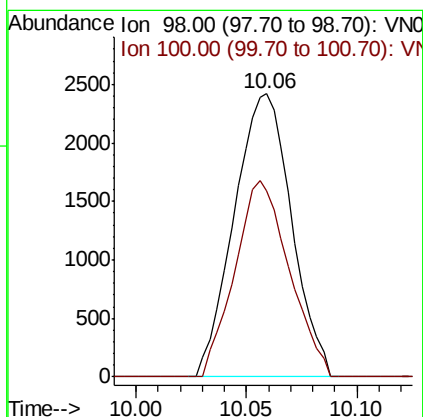
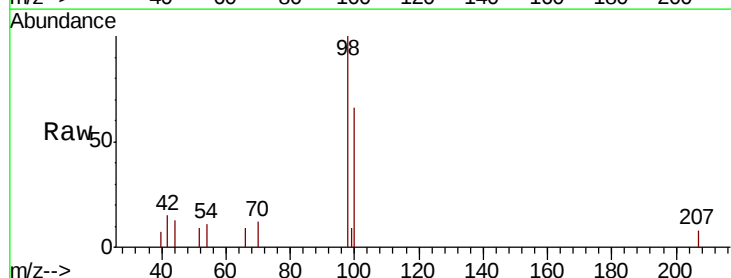
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

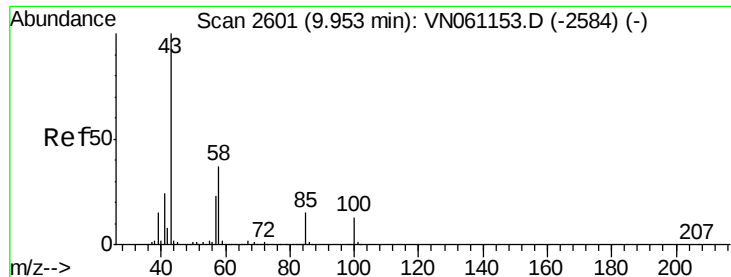
Tot Ion: 88 Resp: 445
Ion Ratio Lower Upper
88 100
43 20.7 35.3 52.9#
58 47.0 61.5 92.3#



#50
Toluene-d8
Concen: 0.988 ug/l
RT: 10.06 min Scan# 2634
Delta R.T. 0.00 min
Lab File: VN061150.D
Acq: 27 Apr 2020 15:39

Tgt Ion: 98 Resp: 4371
Ion Ratio Lower Upper
98 100
100 65.8 53.4 80.0





#51

4-Methyl-2-Pentanone

Concen: 4.844 ug/l

RT: 9.95 min Scan# 2600

Delta R.T. -0.00 min

Lab File: VN061150.D

Acq: 27 Apr 2020 15:39

Instrument :

MSVOA_N

ClientSampleId :

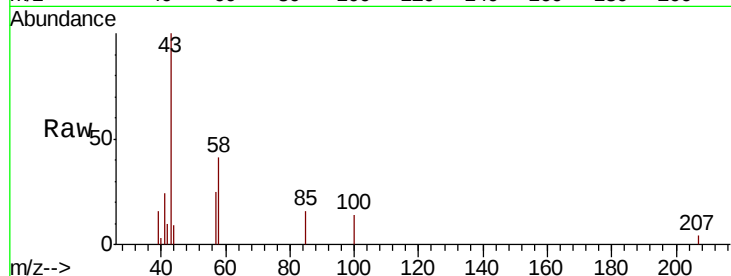
VSTDIC001

Tot Ion: 43 Resp: 8795

Ion Ratio Lower Upper

43 100

58 36.5 29.1 43.7



Abundance Ion 43.00 (42.70 to 43.70): VN061153.D (-2584) (-)

Ion 58.00 (57.70 to 58.70): VN061153.D (-2584) (-)

9.95

5000

4000

3000

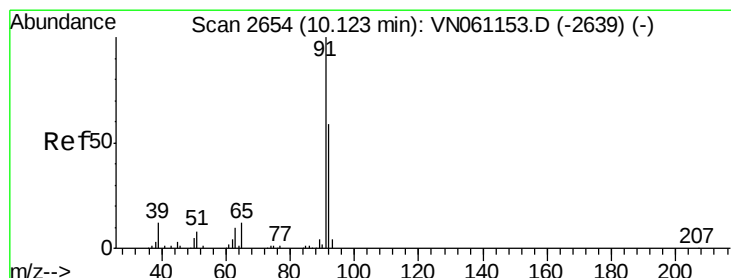
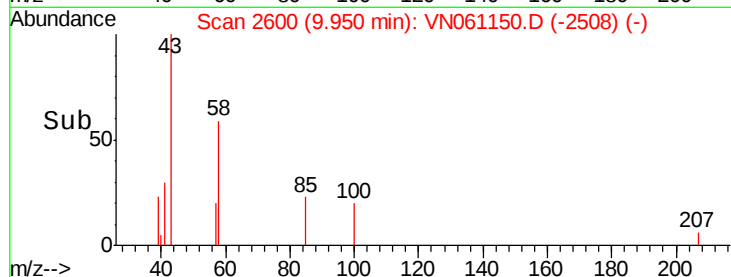
2000

1000

0

Time-->

9.90 9.95 10.00



#52

Toluene

Concen: 0.891 ug/l

RT: 10.12 min Scan# 2654

Delta R.T. 0.00 min

Lab File: VN061150.D

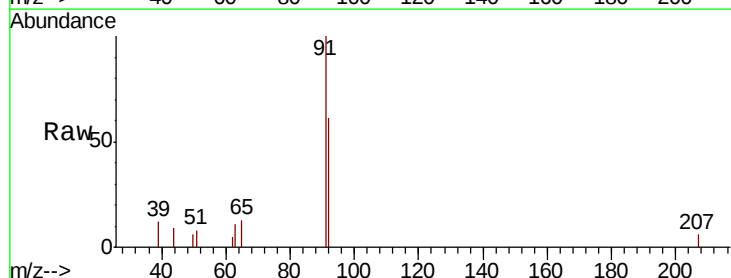
Acq: 27 Apr 2020 15:39

Tgt Ion: 92 Resp: 2933

Ion Ratio Lower Upper

92 100

91 179.6 136.2 204.2



Abundance Ion 92.00 (91.70 to 92.70): VN061153.D (-2639) (-)

Ion 91.00 (90.70 to 91.70): VN061153.D (-2639) (-)

10.12

3000

2500

2000

1500

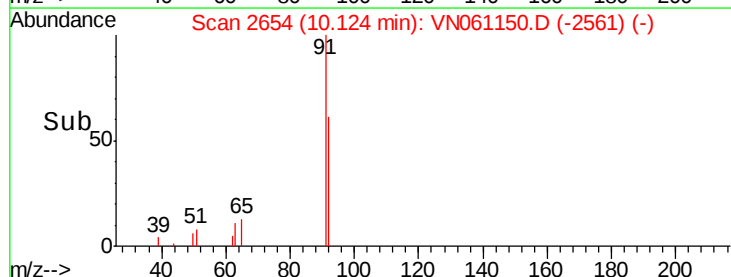
1000

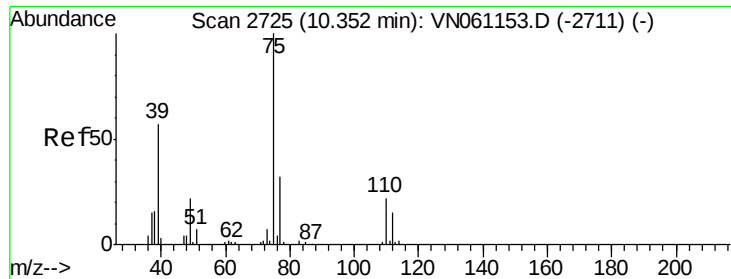
500

0

Time-->

10.10 10.12 10.15

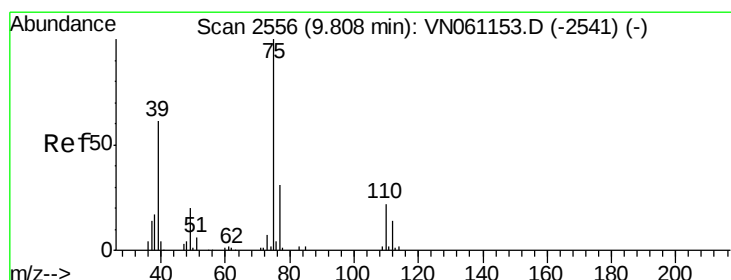
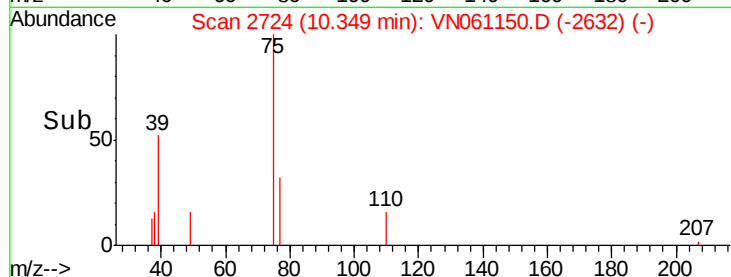
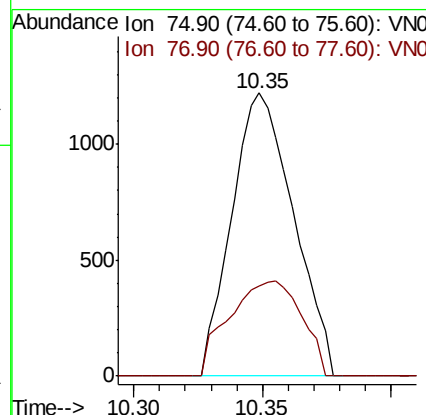
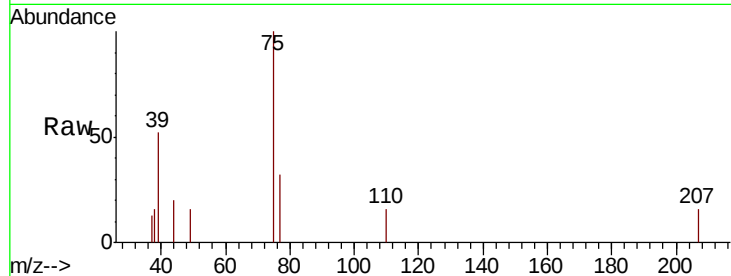




#53
t-1,3-Dichloropropene
Concen: 0.946 ug/l
RT: 10.35 min Scan# 2724
Delta R.T. -0.00 min
Lab File: VN061150.D
Acq: 27 Apr 2020 15:39

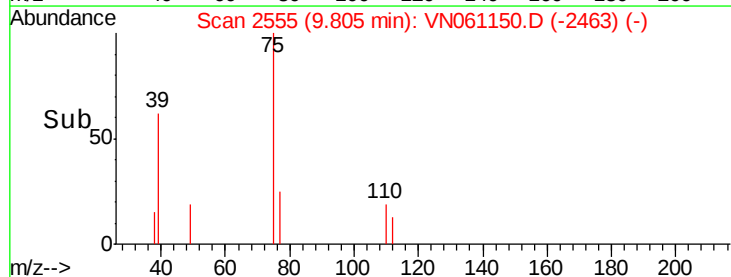
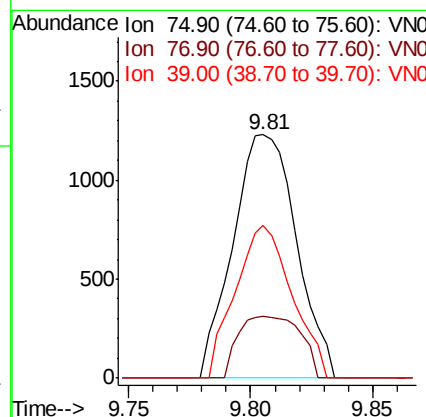
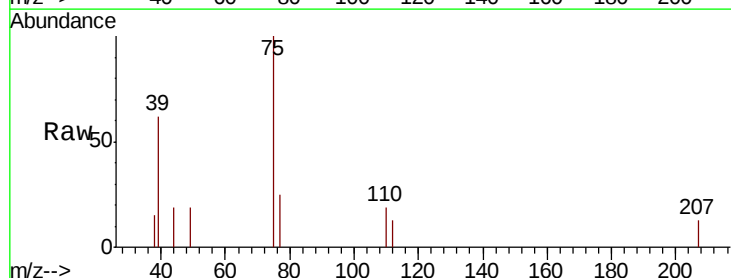
Instrument :
MSVOA_N
ClientSampled :
VSTDIC001

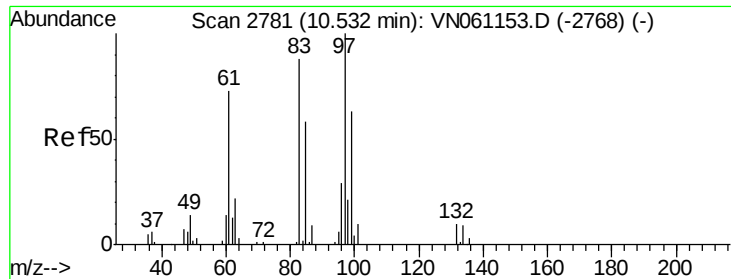
Tot Ion: 75 Resp: 2038
Ion Ratio Lower Upper
75 100
77 31.9 25.5 38.3



#54
cis-1,3-Dichloropropene
Concen: 0.994 ug/l
RT: 9.81 min Scan# 2555
Delta R.T. -0.00 min
Lab File: VN061150.D
Acq: 27 Apr 2020 15:39

Tgt Ion: 75 Resp: 2221
Ion Ratio Lower Upper
75 100
77 25.4 25.0 37.4
39 62.5 48.7 73.1

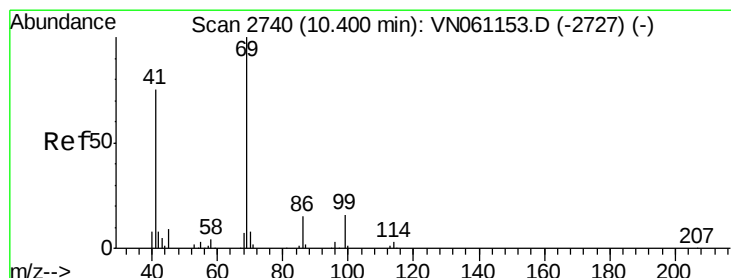
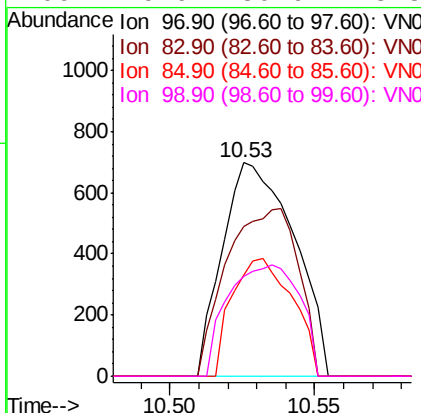
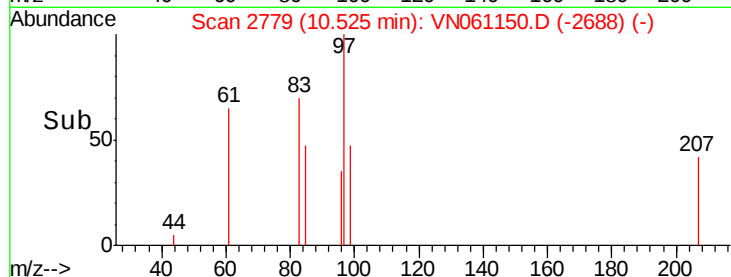
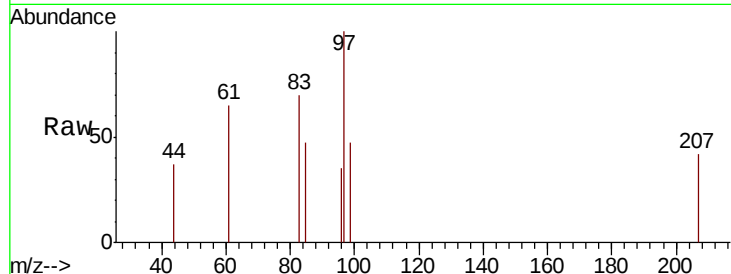




#55
 1,1,2-Trichloroethane
 Concen: 0.944 ug/l
 RT: 10.53 min Scan# 2779
 Delta R.T. -0.01 min
 Lab File: VN061150.D
 Acq: 27 Apr 2020 15:39

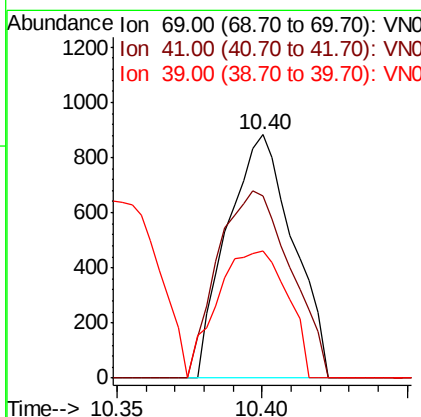
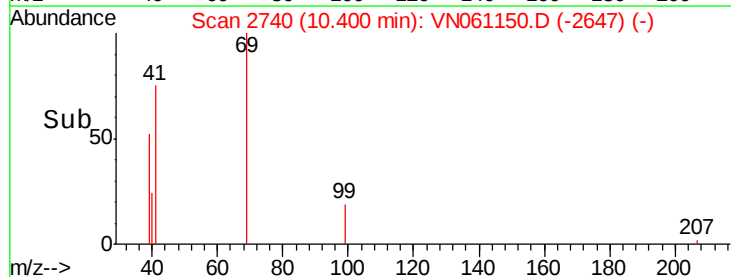
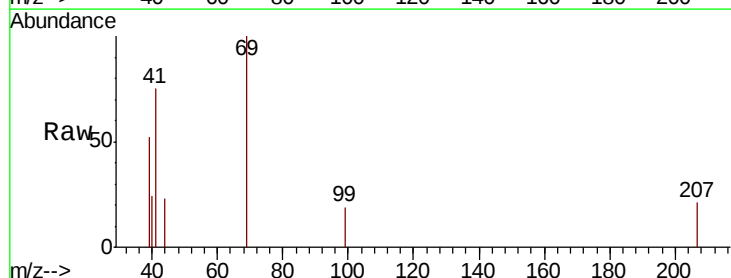
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC001

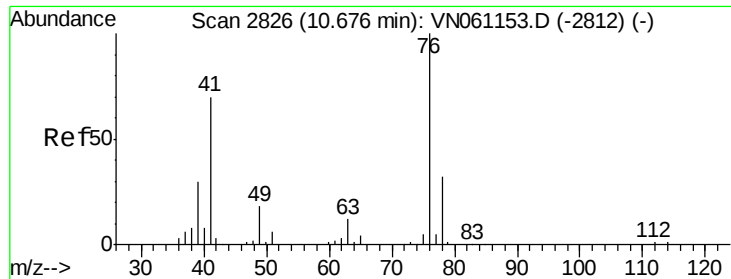
Tot Ion: 97 Resp: 1198
 Ion Ratio Lower Upper
 97 100
 83 70.1 70.6 106.0#
 85 47.1 46.4 69.6
 99 46.6 50.6 75.8#



#56
 Ethyl methacrylate
 Concen: 0.714 ug/l
 RT: 10.40 min Scan# 2740
 Delta R.T. 0.00 min
 Lab File: VN061150.D
 Acq: 27 Apr 2020 15:39

Tgt Ion: 69 Resp: 1388
 Ion Ratio Lower Upper
 69 100
 41 85.4 60.3 90.5
 39 55.8 35.9 53.9#





#57

1,3-Dichloropropane

Concen: 0.901 ug/l

RT: 10.67 min Scan# 2825

Delta R.T. -0.00 min

Lab File: VN061150.D

Acq: 27 Apr 2020 15:39

Instrument :

MSVOA_N

ClientSampled :

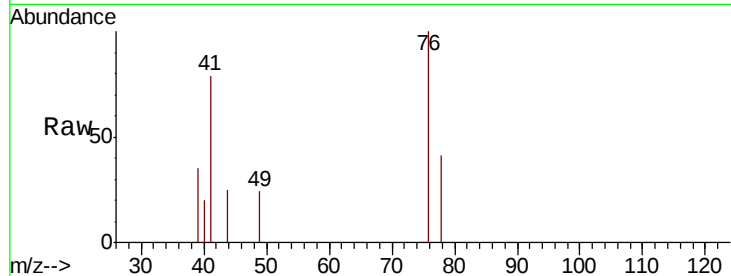
VSTDIC001

Tot Ion: 76 Resp: 1963

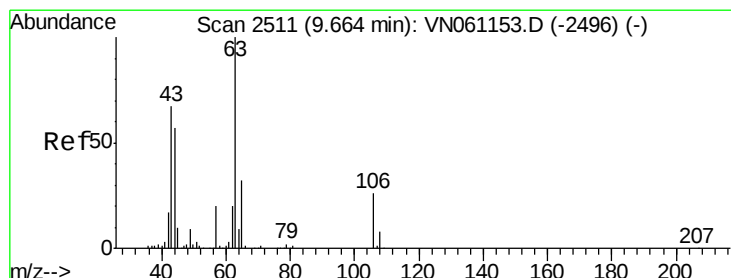
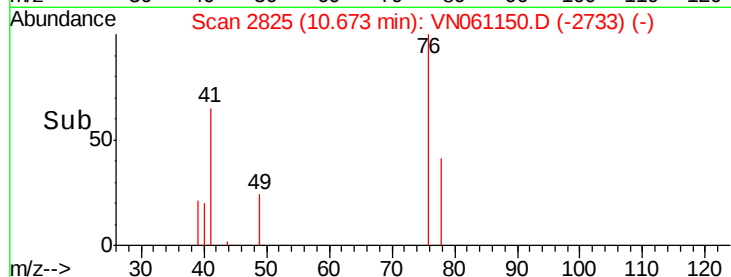
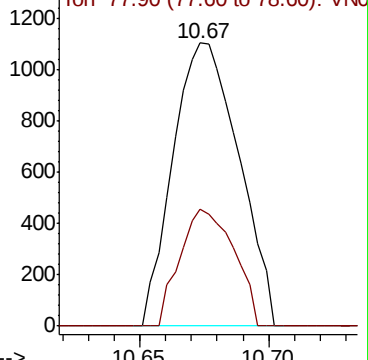
Ion Ratio Lower Upper

76 100

78 34.1 25.5 38.3



Abundance Ion 75.90 (75.60 to 76.60): VN061150.D (-2812) (-)



#58

2-Chloroethyl Vinyl ether

Concen: 4.662 ug/l

RT: 9.66 min Scan# 2511

Delta R.T. 0.00 min

Lab File: VN061150.D

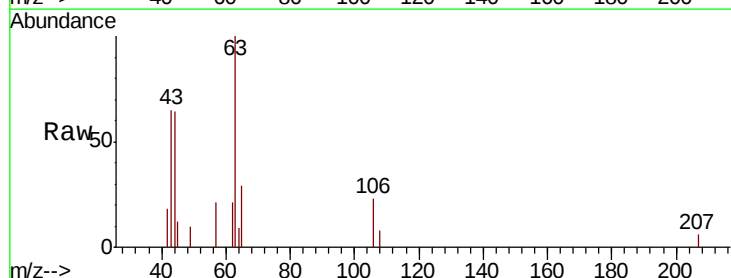
Acq: 27 Apr 2020 15:39

Tgt Ion: 63 Resp: 4675

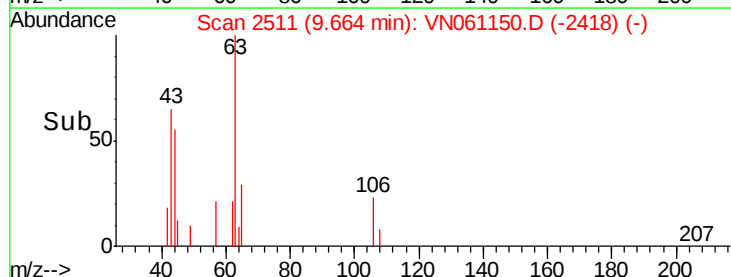
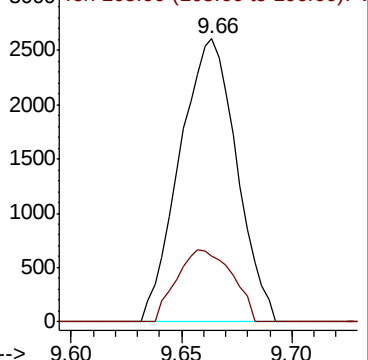
Ion Ratio Lower Upper

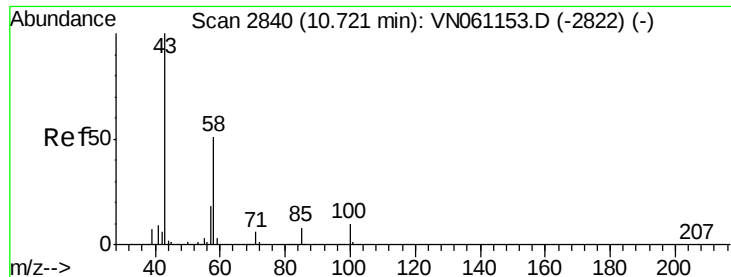
63 100

106 24.6 20.6 30.8



Abundance Ion 62.90 (62.60 to 63.60): VN061150.D (-2496) (-)

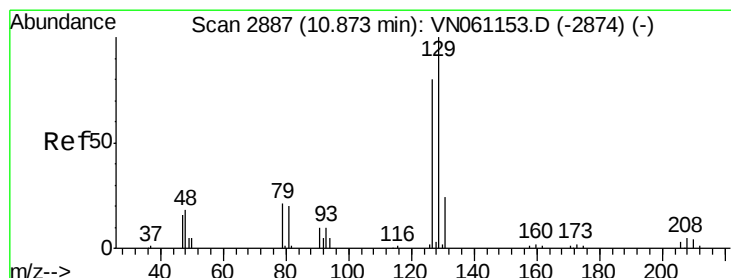
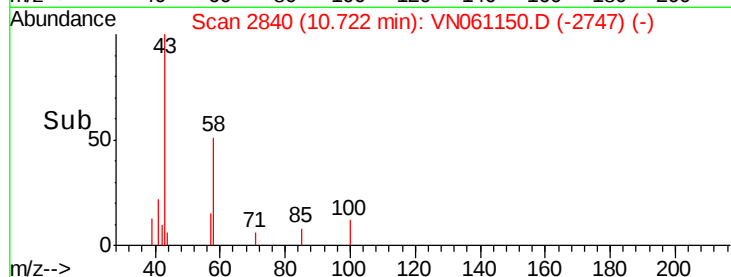
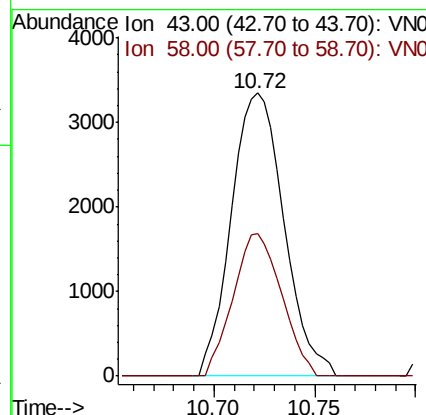
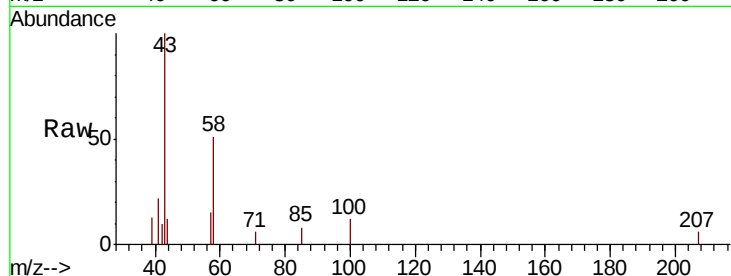




#59
2-Hexanone
Concen: 4.572 ug/l
RT: 10.72 min Scan# 2840
Delta R.T. 0.00 min
Lab File: VN061150.D
Acq: 27 Apr 2020 15:39

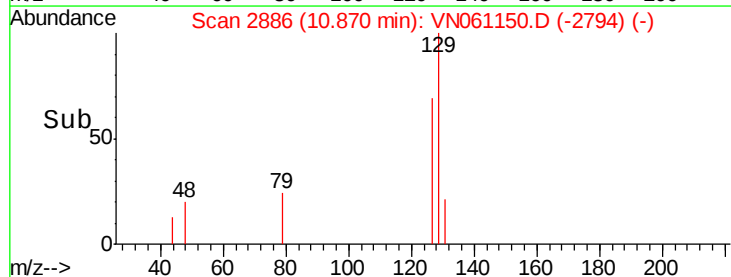
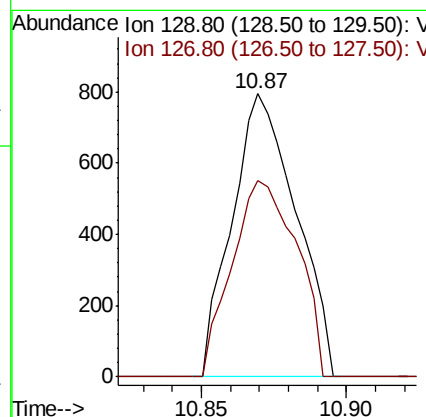
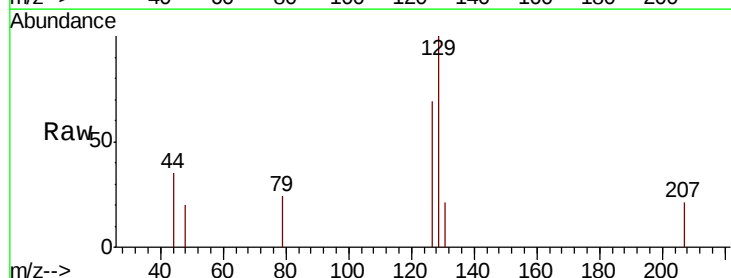
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

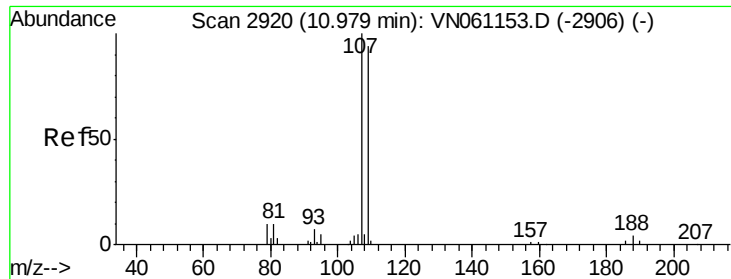
Tot Ion: 43 Resp: 6125
Ion Ratio Lower Upper
43 100
58 46.3 25.4 76.4



#60
Dibromochloromethane
Concen: 0.917 ug/l
RT: 10.87 min Scan# 2886
Delta R.T. -0.00 min
Lab File: VN061150.D
Acq: 27 Apr 2020 15:39

Tgt Ion: 129 Resp: 1216
Ion Ratio Lower Upper
129 100
127 70.6 39.3 117.8

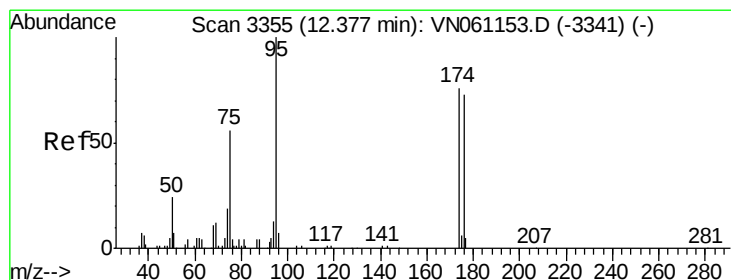
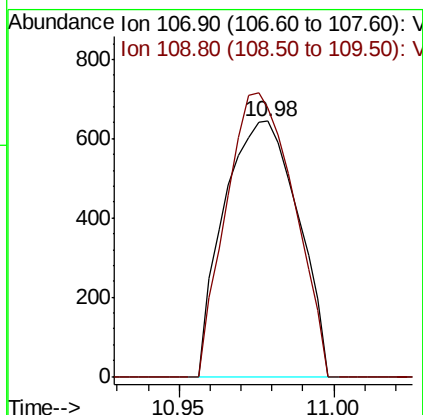
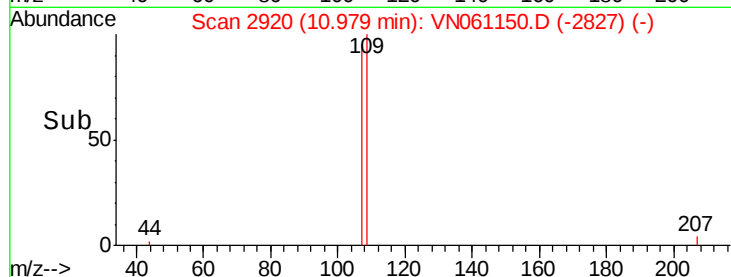
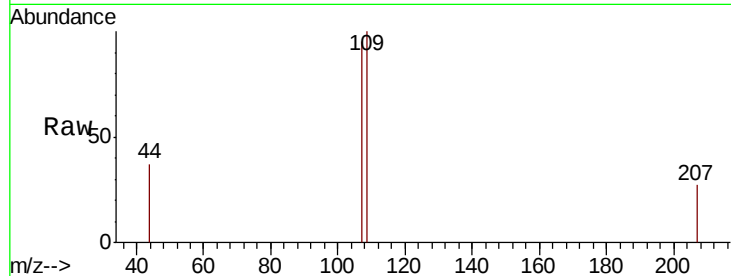




#61
 1,2-Dibromoethane
 Concen: 0.818 ug/l
 RT: 10.98 min Scan# 2920
 Delta R.T. 0.00 min
 Lab File: VN061150.D
 Acq: 27 Apr 2020 15:39

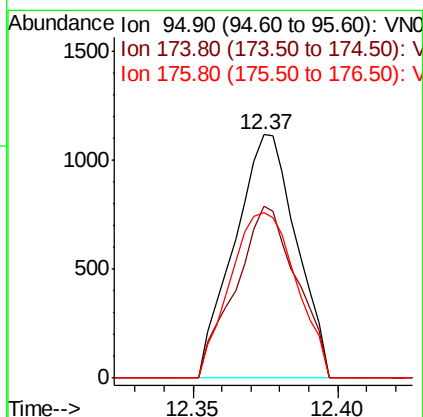
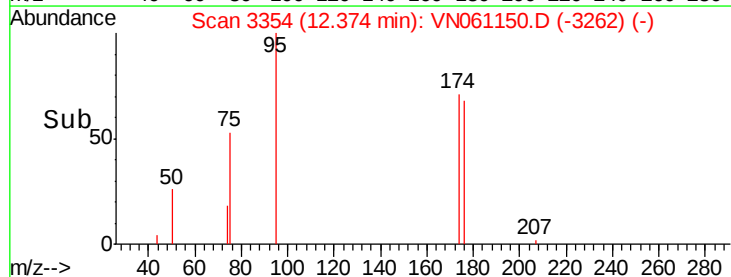
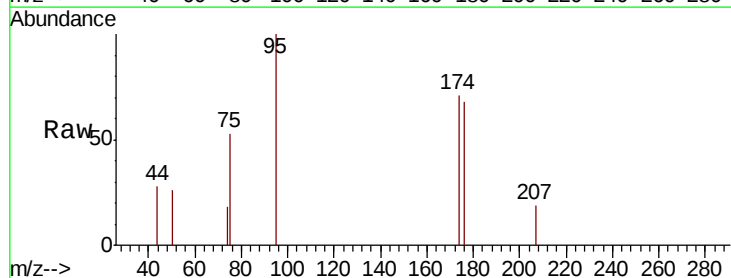
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

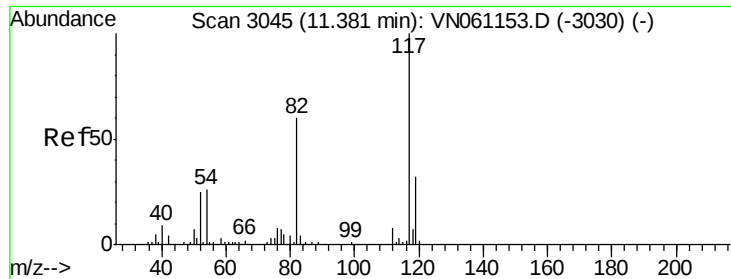
Tot Ion:107 Resp: 1068
 Ion Ratio Lower Upper
 107 100
 109 101.7 74.8 112.2



#62
 4-Bromofluorobenzene
 Concen: 1.002 ug/l
 RT: 12.37 min Scan# 3354
 Delta R.T. -0.00 min
 Lab File: VN061150.D
 Acq: 27 Apr 2020 15:39

Tgt Ion: 95 Resp: 1661
 Ion Ratio Lower Upper
 95 100
 174 69.6 0.0 149.4
 176 72.5 0.0 144.8

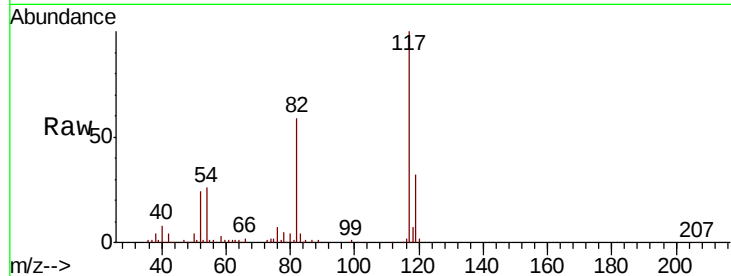




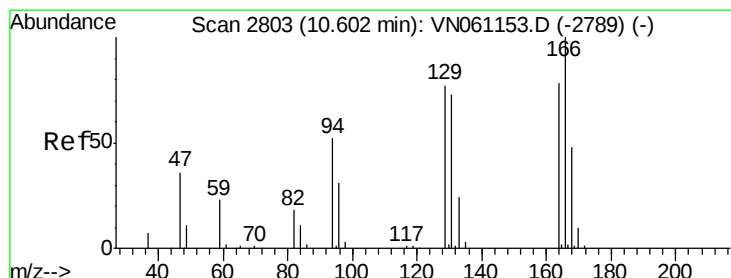
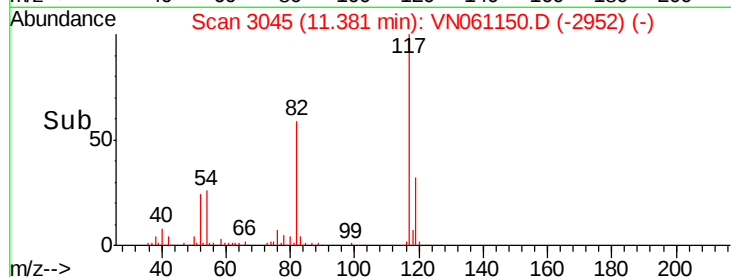
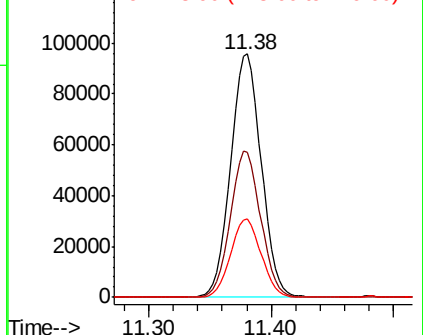
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 3045
Delta R.T. 0.00 min
Lab File: VN061150.D
Acq: 27 Apr 2020 15:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion:117 Resp: 167256
Ion Ratio Lower Upper
117 100
82 59.4 47.8 71.8
119 32.0 25.8 38.6

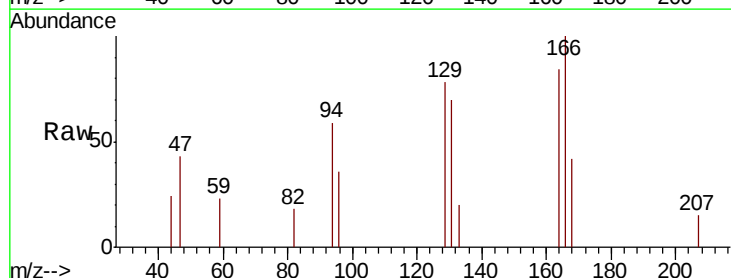


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

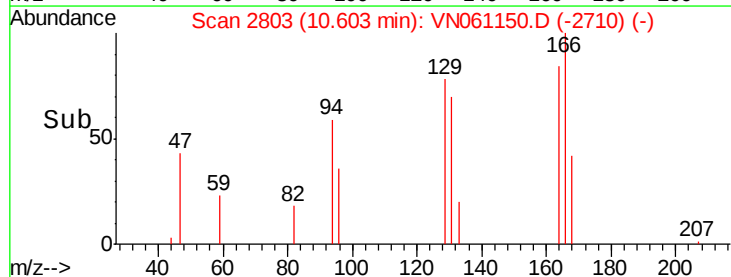
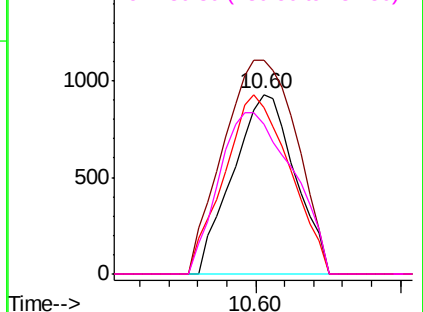


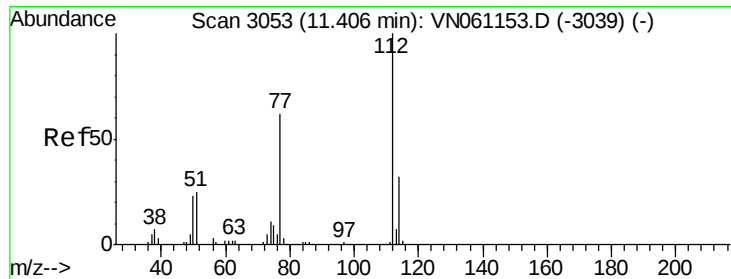
#64
Tetrachloroethene
Concen: 0.826 ug/l
RT: 10.60 min Scan# 2803
Delta R.T. 0.00 min
Lab File: VN061150.D
Acq: 27 Apr 2020 15:39

Tgt Ion:164 Resp: 1377
Ion Ratio Lower Upper
164 100
166 118.9 102.0 153.0
129 92.7 78.2 117.2
131 83.3 74.5 111.7



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

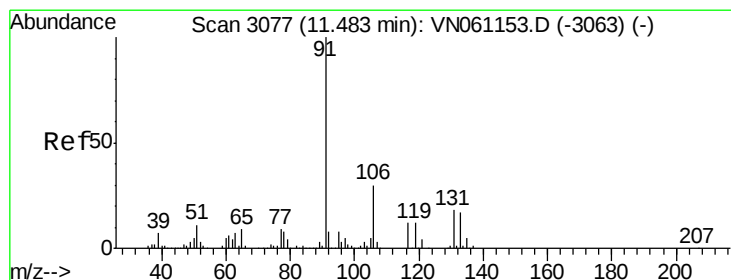
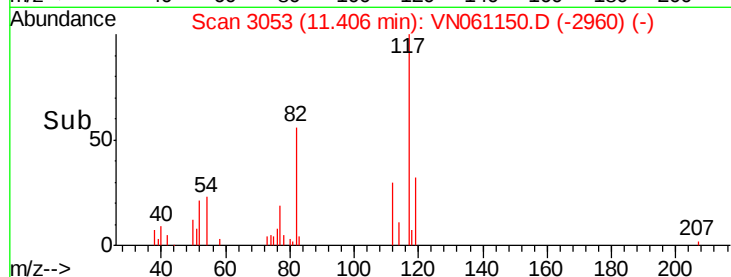
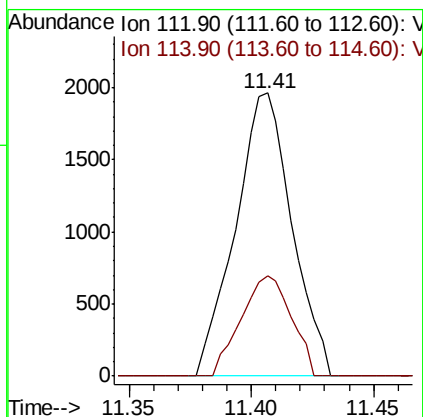
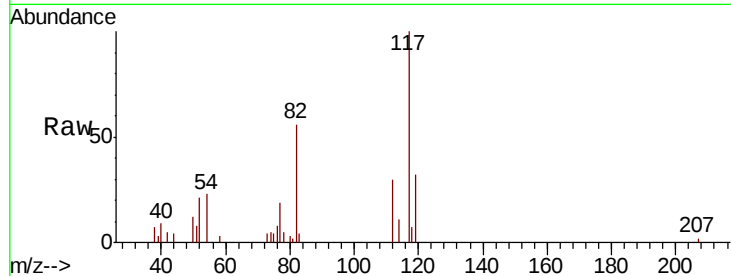




#65
Chlorobenzene
Concen: 0.932 ug/l
RT: 11.41 min Scan# 3053
Delta R.T. 0.00 min
Lab File: VN061150.D
Acq: 27 Apr 2020 15:39

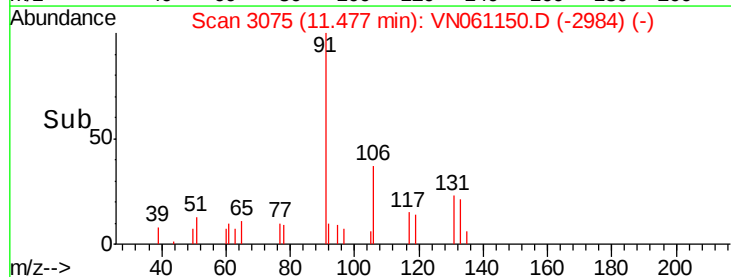
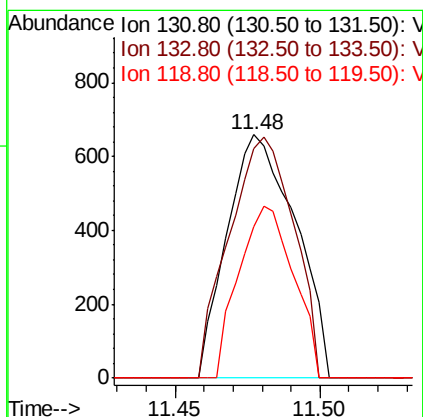
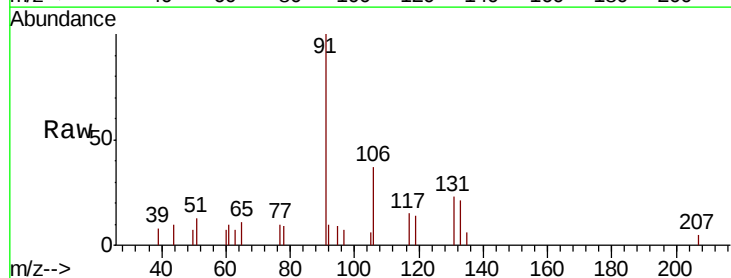
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

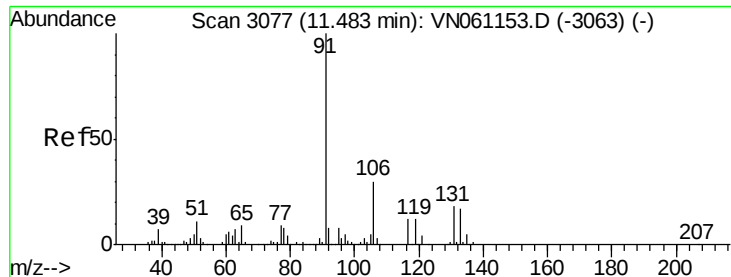
Tot Ion:112 Resp: 3143
Ion Ratio Lower Upper
112 100
114 35.7 25.4 38.2



#66
1,1,1,2-Tetrachloroethane
Concen: 0.900 ug/l
RT: 11.48 min Scan# 3075
Delta R.T. -0.01 min
Lab File: VN061150.D
Acq: 27 Apr 2020 15:39

Tgt Ion:131 Resp: 1077
Ion Ratio Lower Upper
131 100
133 93.9 48.0 144.2
119 0.0 32.6 97.8#

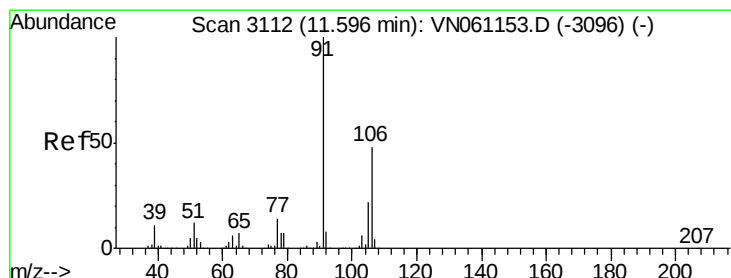
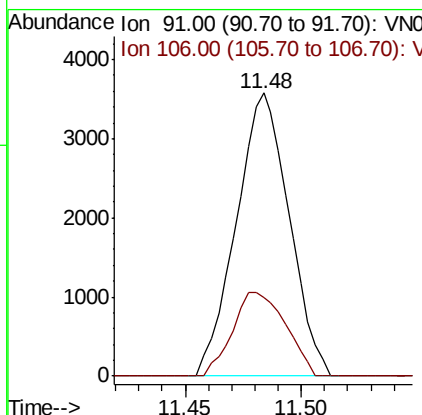
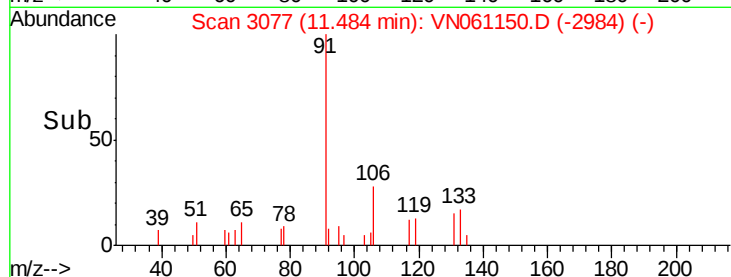
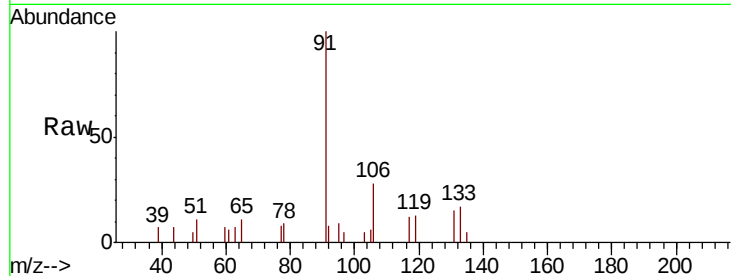




#67
Ethyl Benzene
Concen: 0.898 ug/l
RT: 11.48 min Scan# 3077
Delta R.T. 0.00 min
Lab File: VN061150.D
Acq: 27 Apr 2020 15:39

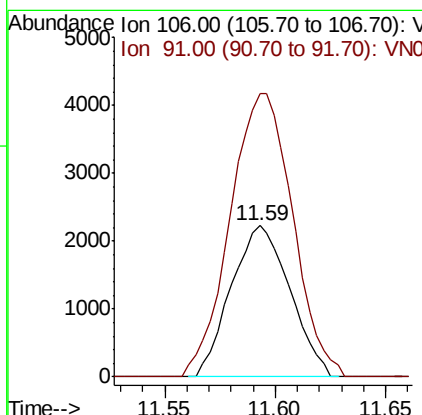
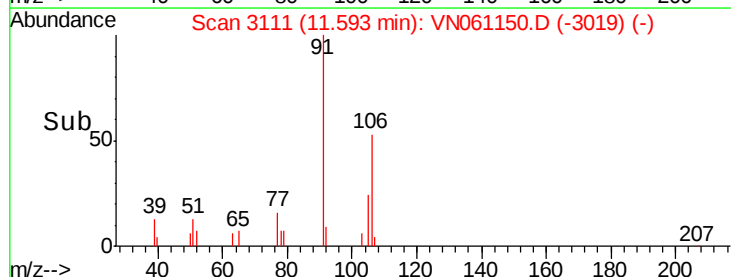
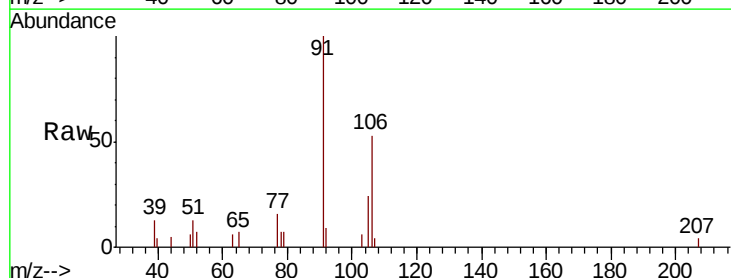
Instrument :
MSVOA_N
ClientSampled :
VSTDIC001

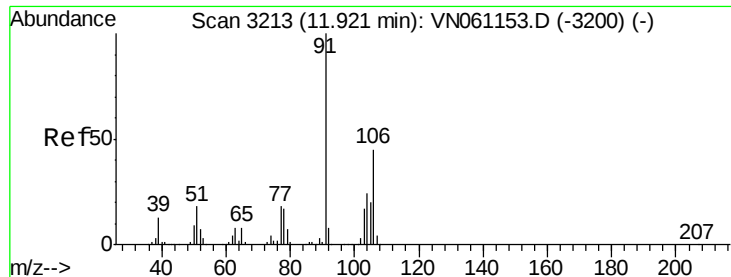
Tot Ion: 91 Resp: 5663
Ion Ratio Lower Upper
91 100
106 27.7 23.8 35.6



#68
m/p-Xylenes
Concen: 1.757 ug/l
RT: 11.59 min Scan# 3111
Delta R.T. -0.00 min
Lab File: VN061150.D
Acq: 27 Apr 2020 15:39

Tgt Ion: 106 Resp: 4126
Ion Ratio Lower Upper
106 100
91 199.0 166.4 249.6

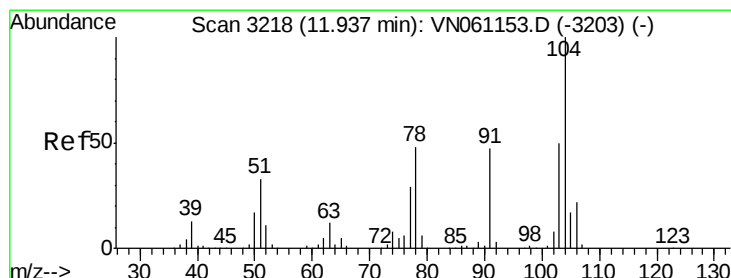
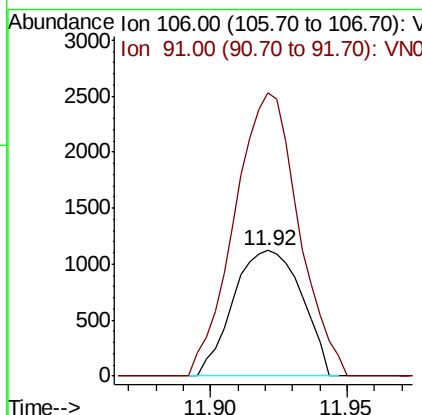
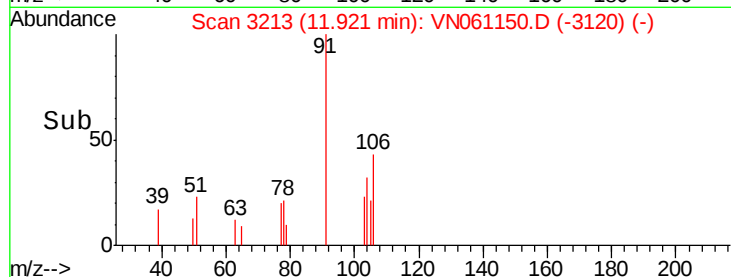
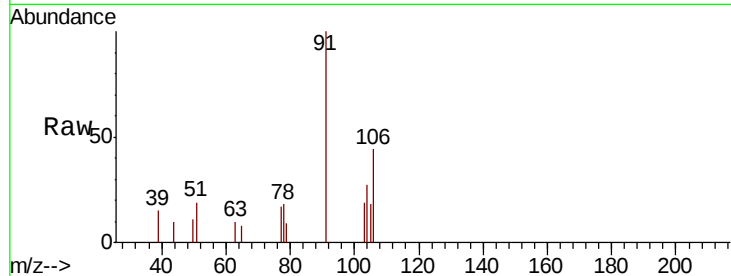




#69
o-Xylene
Concen: 0.865 ug/l
RT: 11.92 min Scan# 3213
Delta R.T. 0.00 min
Lab File: VN061150.D
Acq: 27 Apr 2020 15:39

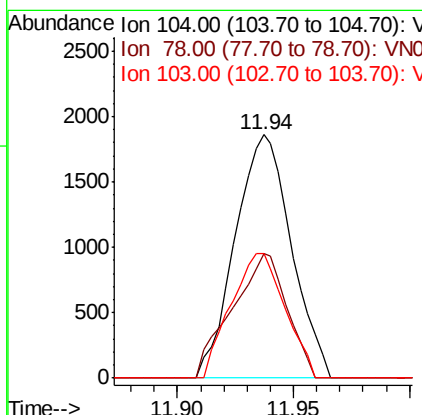
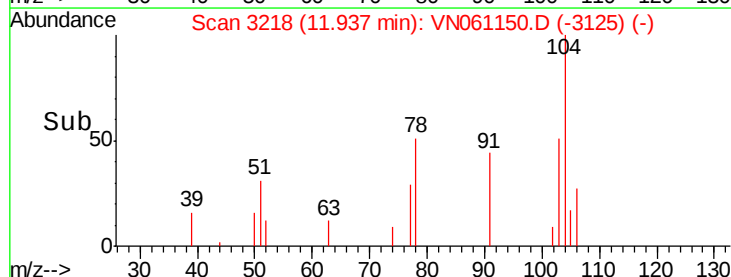
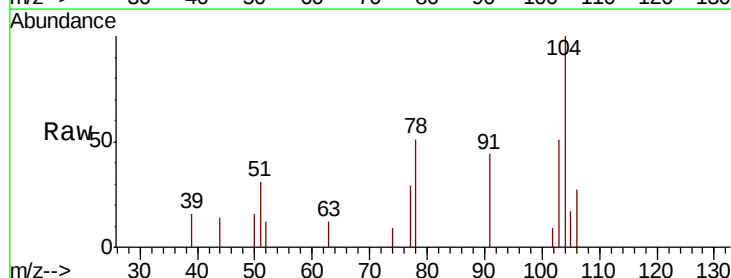
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

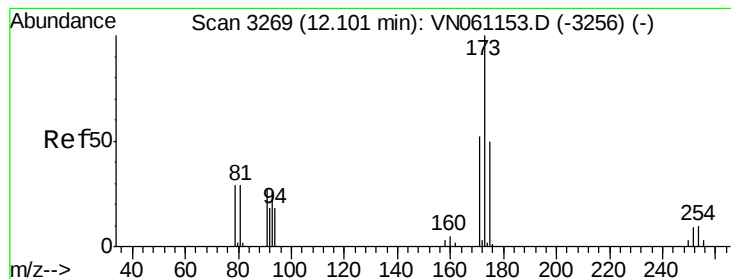
Tot Ion:106 Resp: 1960
Ion Ratio Lower Upper
106 100
91 210.5 109.7 329.0



#70
Styrene
Concen: 0.848 ug/l
RT: 11.94 min Scan# 3218
Delta R.T. 0.00 min
Lab File: VN061150.D
Acq: 27 Apr 2020 15:39

Tgt Ion:104 Resp: 3123
Ion Ratio Lower Upper
104 100
78 50.2 42.1 63.1
103 49.4 43.3 64.9





#71

Bromoform

Concen: 0.758 ug/l

RT: 12.10 min Scan# 3269

Delta R.T. 0.00 min

Lab File: VN061150.D

Acq: 27 Apr 2020 15:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

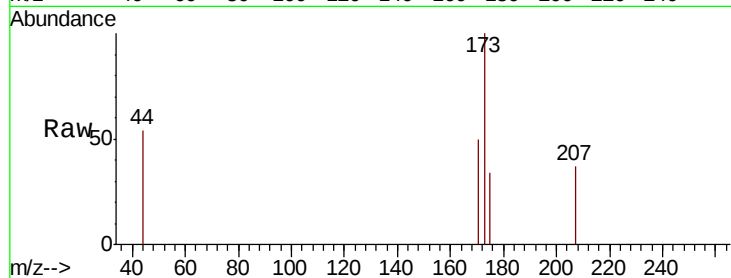
Tot Ion:173 Resp: 680

Ion Ratio Lower Upper

173 100

175 22.6 24.1 72.4#

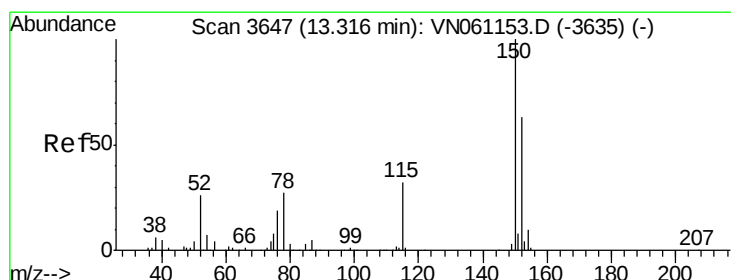
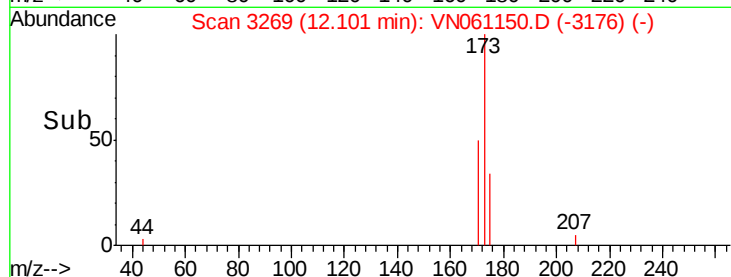
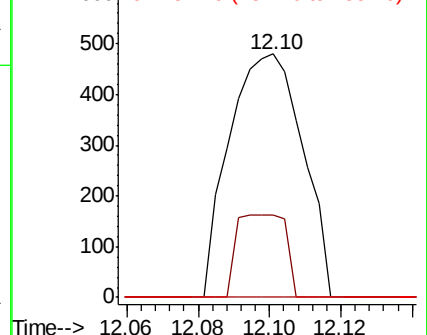
254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3647

Delta R.T. 0.00 min

Lab File: VN061150.D

Acq: 27 Apr 2020 15:39

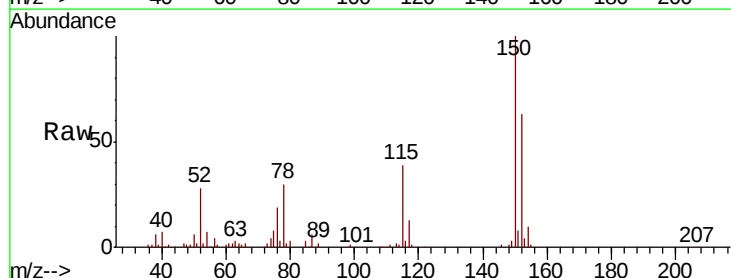
Tgt Ion:152 Resp: 73220

Ion Ratio Lower Upper

152 100

115 61.4 31.0 93.0

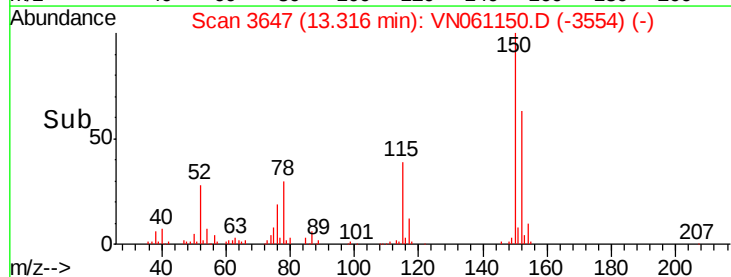
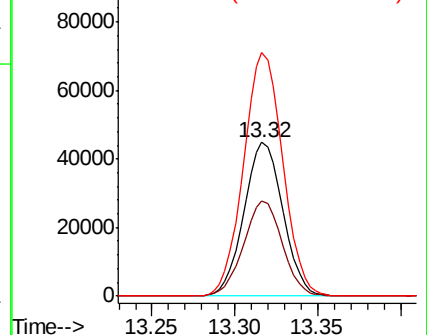
150 159.3 0.0 351.8

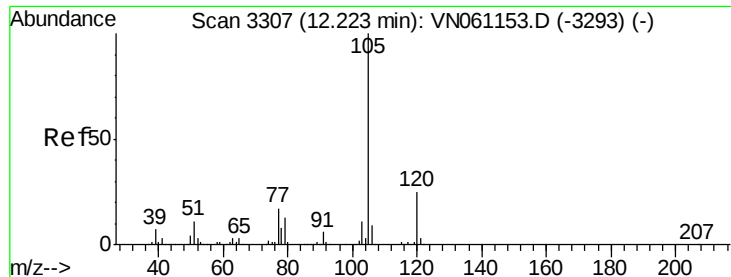


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 0.918 ug/l

RT: 12.22 min Scan# 3306

Delta R.T. -0.00 min

Lab File: VN061150.D

Acq: 27 Apr 2020 15:39

Instrument :

MSVOA_N

ClientSampleId :

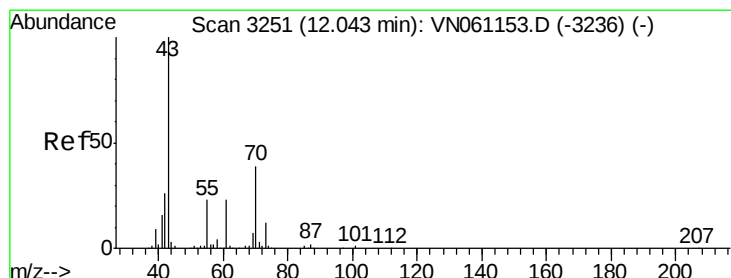
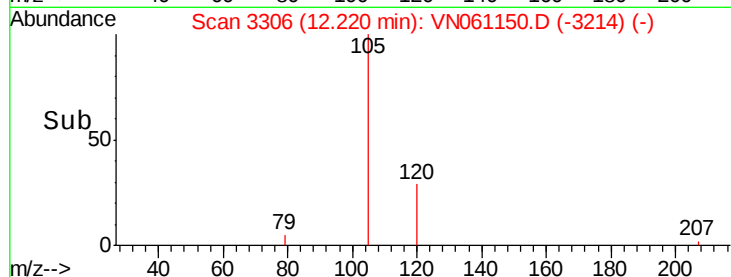
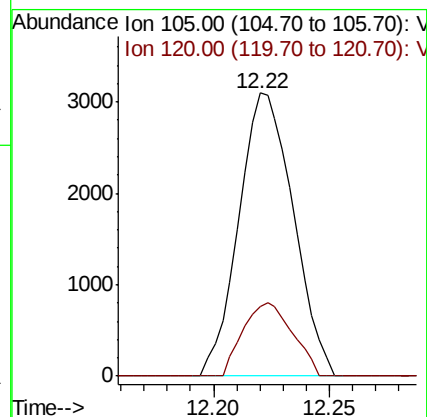
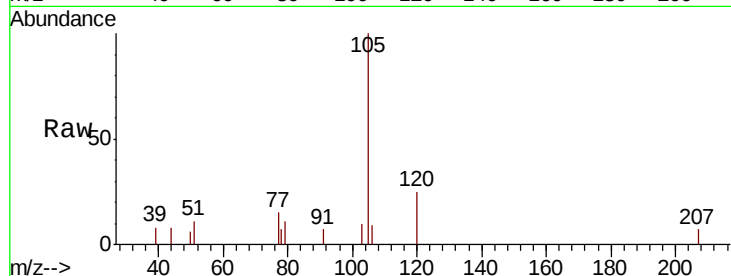
VSTDIC001

Tot Ion:105 Resp: 5051

Ion Ratio Lower Upper

105 100

120 23.7 12.6 37.8



#74

N-ethyl acetate

Concen: 0.960 ug/l

RT: 12.04 min Scan# 3250

Delta R.T. -0.00 min

Lab File: VN061150.D

Acq: 27 Apr 2020 15:39

Tgt Ion: 43 Resp: 2423

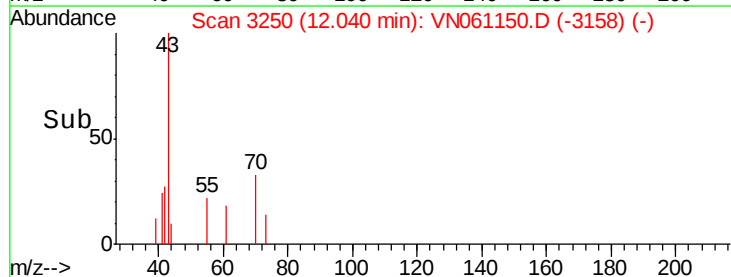
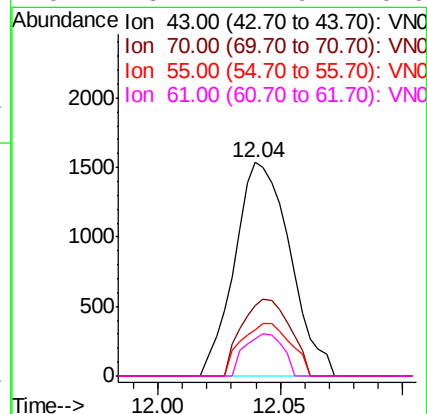
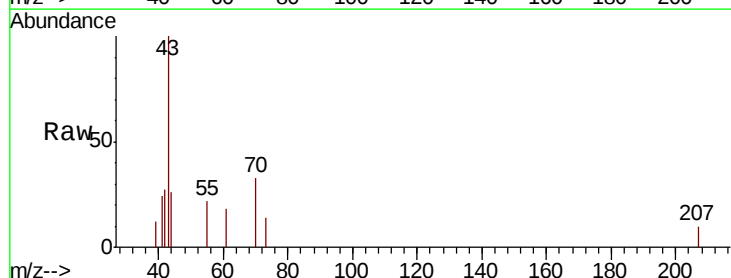
Ion Ratio Lower Upper

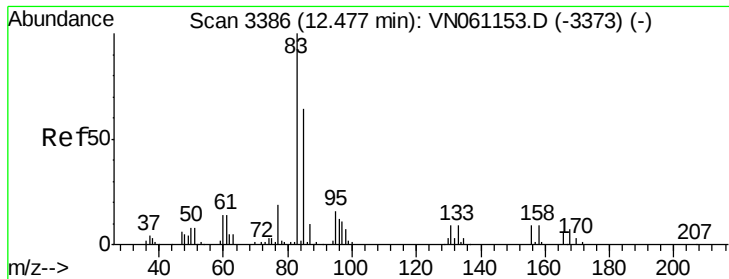
43 100

70 31.5 30.6 46.0

55 22.0 18.5 27.7

61 13.4 17.9 26.9#





#75

1,1,2,2-Tetrachloroethane

Concen: 1.037 ug/l

RT: 12.48 min Scan# 3386

Delta R.T. 0.00 min

Lab File: VN061150.D

Acq: 27 Apr 2020 15:39

Instrument :

MSVOA_N

ClientSampled :

VSTDIC001

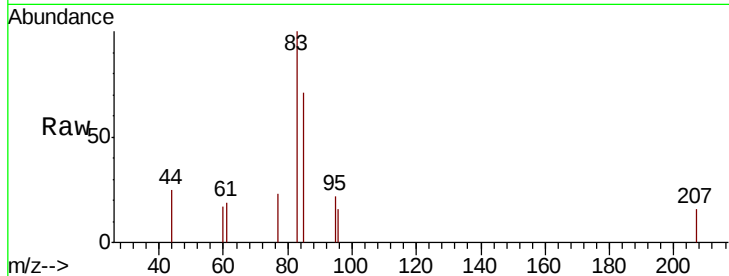
Tot Ion: 83 Resp: 1566

Ion Ratio Lower Upper

83 100

131 0.0 4.8 14.3#

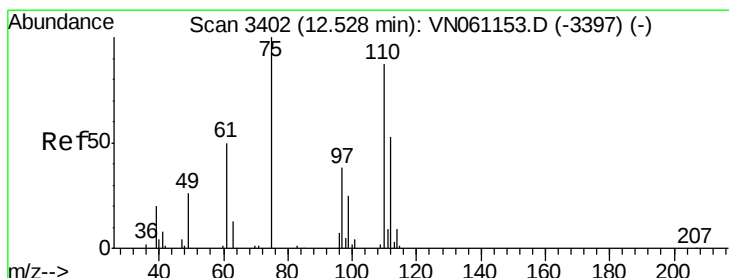
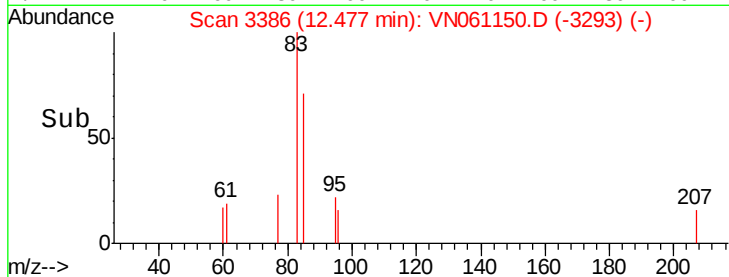
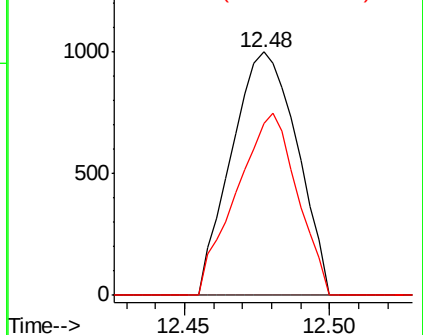
85 69.7 32.0 96.0



Abundance Ion 82.90 (82.60 to 83.60): VN061150.D (-3293) (-)

Ion 130.80 (130.50 to 131.50): VN061150.D (-3293) (-)

Ion 84.90 (84.60 to 85.60): VN061150.D (-3293) (-)



#76

1,2,3-Trichloropropane

Concen: 1.240 ug/l

RT: 12.53 min Scan# 3402

Delta R.T. 0.00 min

Lab File: VN061150.D

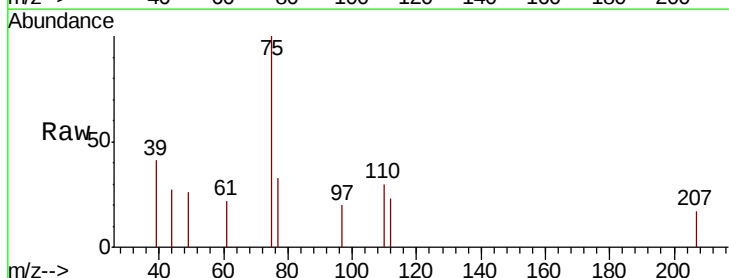
Acq: 27 Apr 2020 15:39

Tgt Ion: 75 Resp: 2054

Ion Ratio Lower Upper

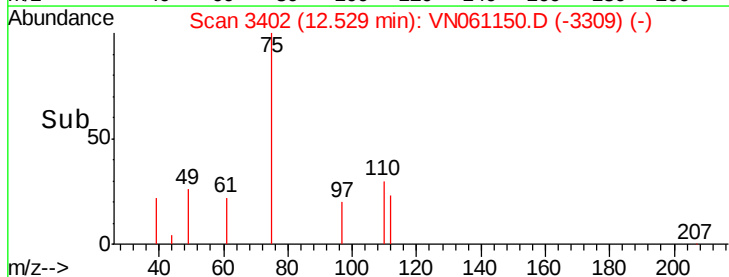
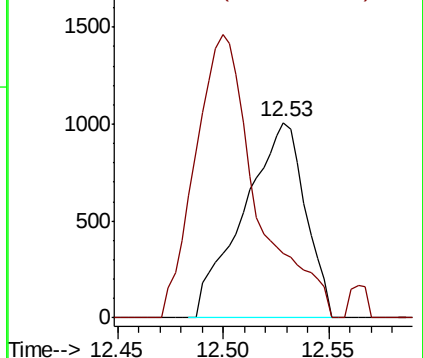
75 100

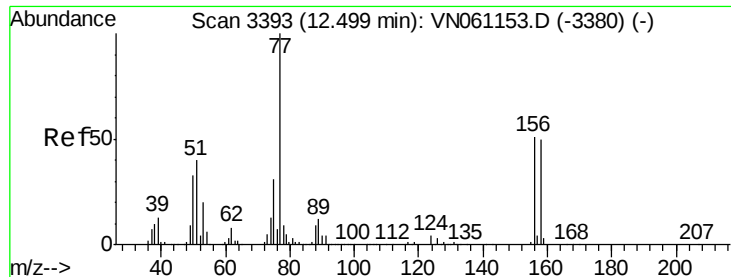
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN061150.D (-3309) (-)

Ion 77.00 (76.70 to 77.70): VN061150.D (-3309) (-)





#77

Bromobenzene

Concen: 0.847 ug/l

RT: 12.50 min Scan# 3393

Delta R.T. 0.00 min

Lab File: VN061150.D

Acq: 27 Apr 2020 15:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

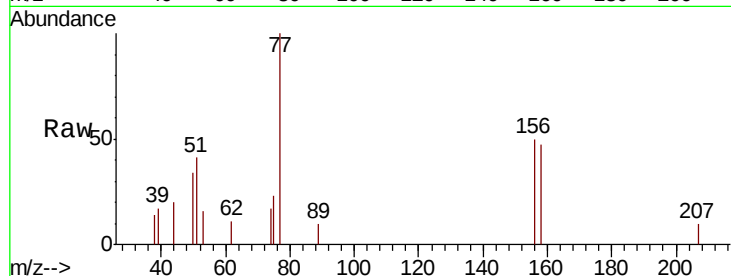
Tot Ion:156 Resp: 1125

Ion Ratio Lower Upper

156 100

77 262.3 117.4 352.2

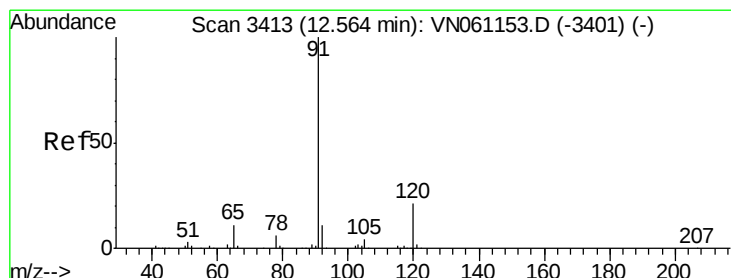
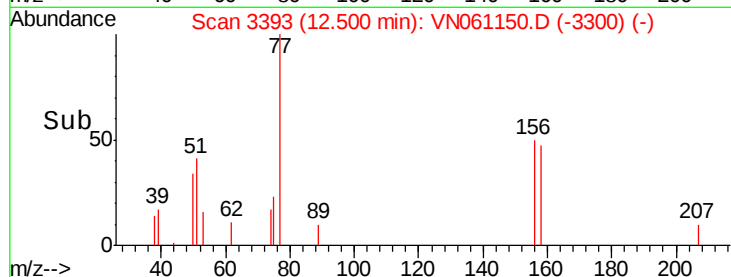
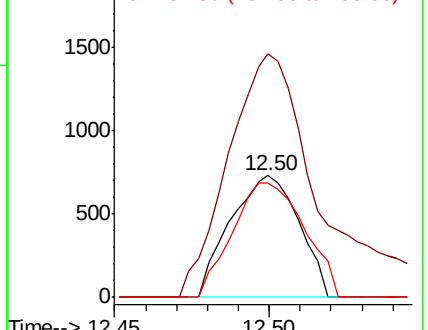
158 98.8 48.4 145.0



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 0.928 ug/l

RT: 12.56 min Scan# 3413

Delta R.T. 0.00 min

Lab File: VN061150.D

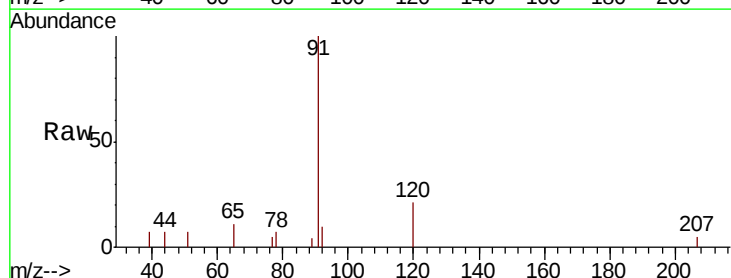
Acq: 27 Apr 2020 15:39

Tgt Ion: 91 Resp: 6007

Ion Ratio Lower Upper

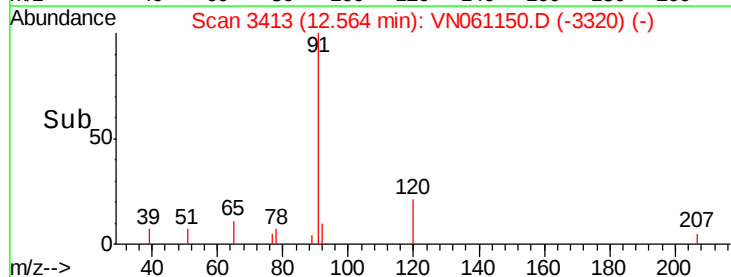
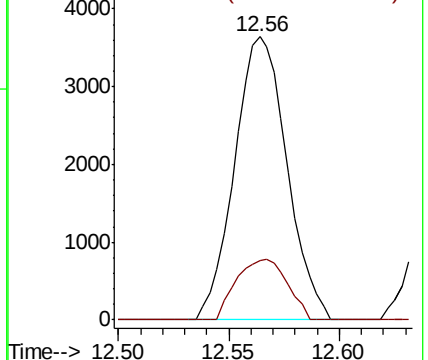
91 100

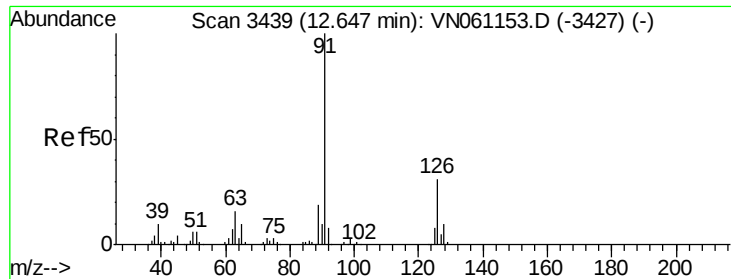
120 20.8 10.8 32.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

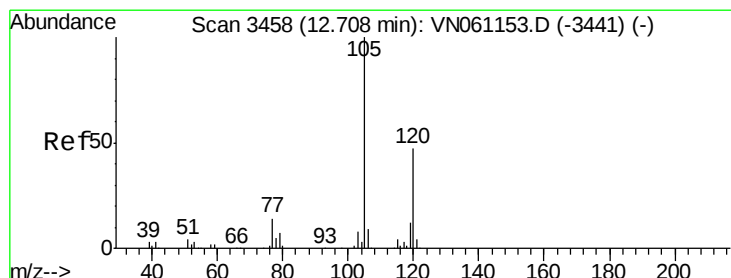
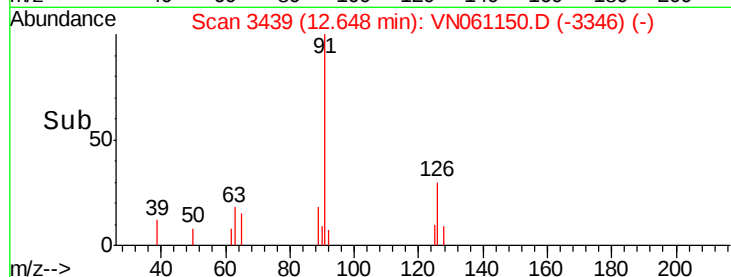
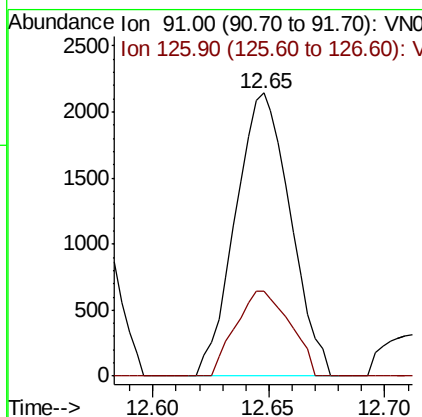
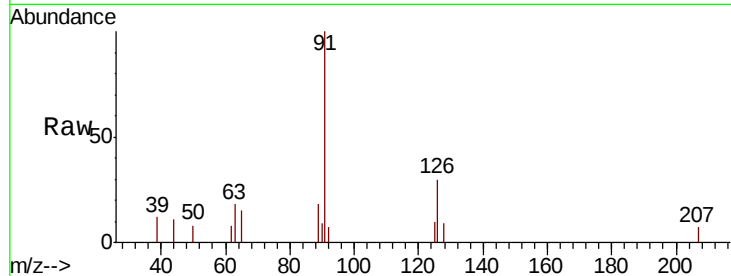




#79
 2-Chlorotoluene
 Concen: 0.939 ug/l
 RT: 12.65 min Scan# 3439
 Delta R.T. 0.00 min
 Lab File: VN061150.D
 Acq: 27 Apr 2020 15:39

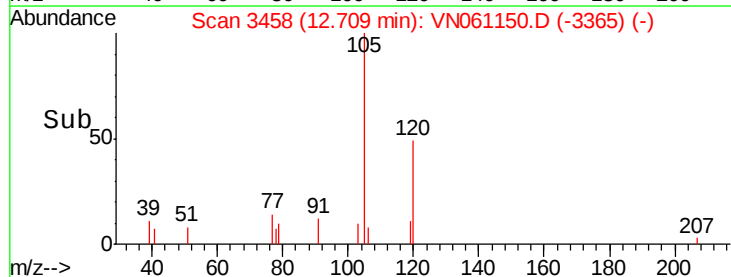
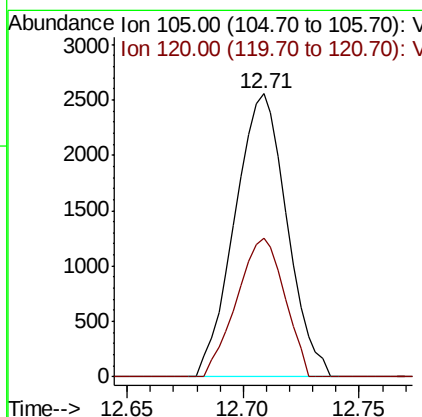
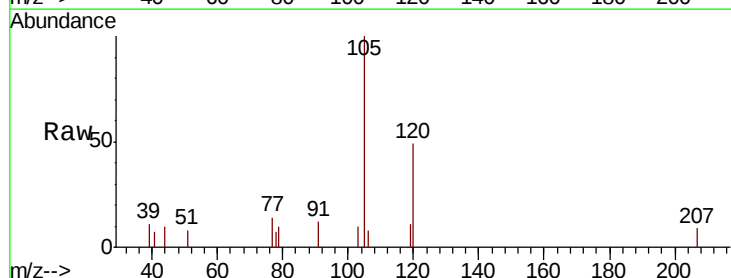
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

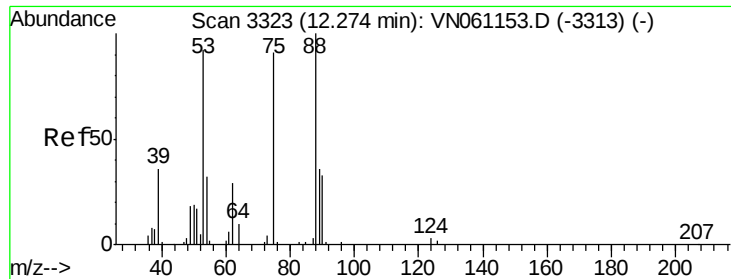
Tot Ion: 91 Resp: 3532
 Ion Ratio Lower Upper
 91 100
 126 29.8 15.9 47.7



#80
 1,3,5-Trimethylbenzene
 Concen: 0.860 ug/l
 RT: 12.71 min Scan# 3458
 Delta R.T. 0.00 min
 Lab File: VN061150.D
 Acq: 27 Apr 2020 15:39

Tgt Ion: 105 Resp: 3984
 Ion Ratio Lower Upper
 105 100
 120 45.1 23.9 71.7





#81

trans-1,4-Dichloro-2-butene

Concen: 0.762 ug/l

RT: 12.27 min Scan# 3322

Delta R.T. -0.00 min

Lab File: VN061150.D

Acq: 27 Apr 2020 15:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

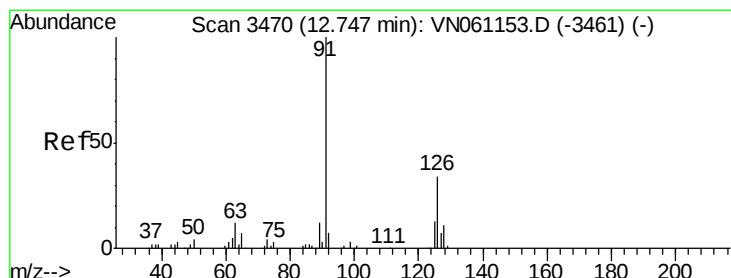
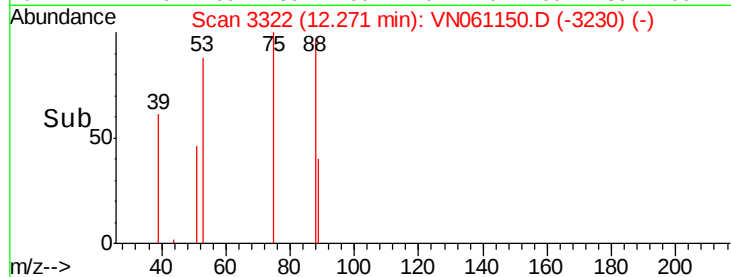
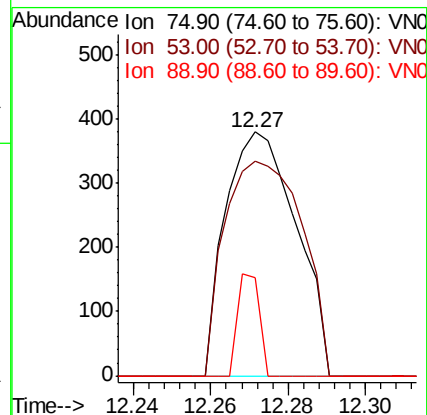
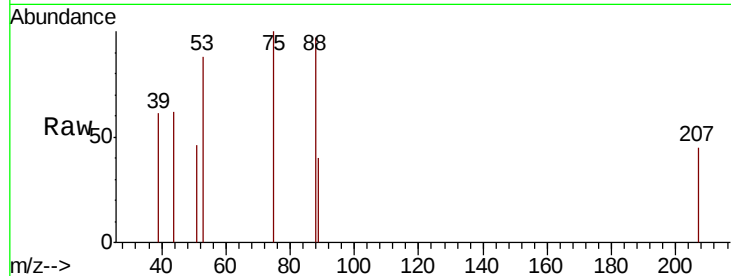
Tot Ion: 75 Resp: 482

Ion Ratio Lower Upper

75 100

53 96.9 84.1 126.1

89 12.4 35.2 52.8#



#82

4-Chlorotoluene

Concen: 0.949 ug/l

RT: 12.75 min Scan# 3470

Delta R.T. 0.00 min

Lab File: VN061150.D

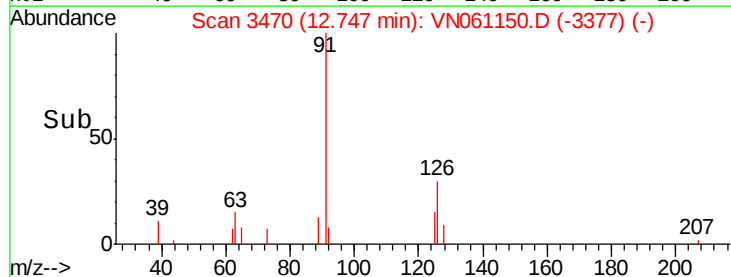
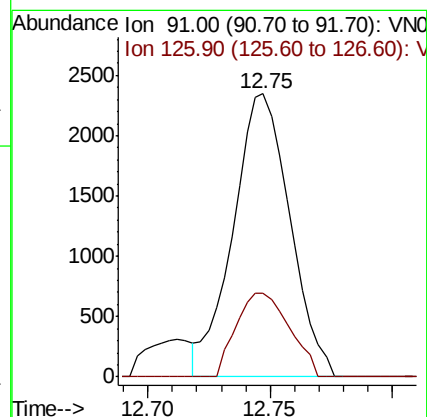
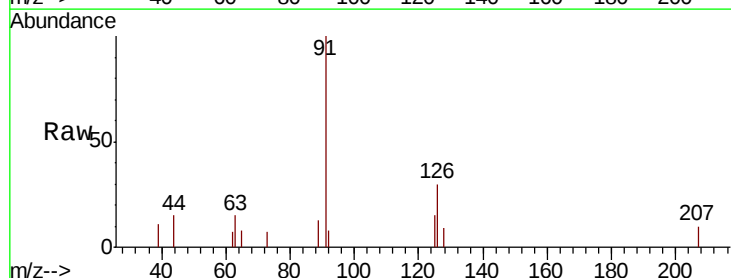
Acq: 27 Apr 2020 15:39

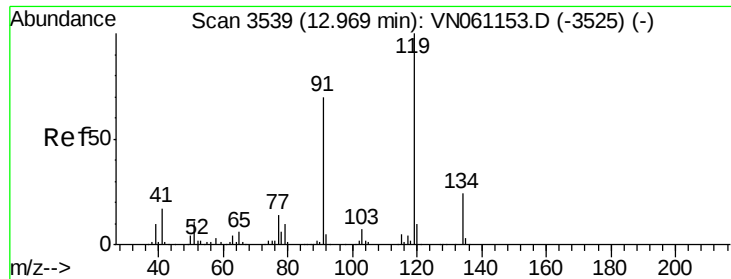
Tgt Ion: 91 Resp: 3792

Ion Ratio Lower Upper

91 100

126 27.8 15.7 47.1

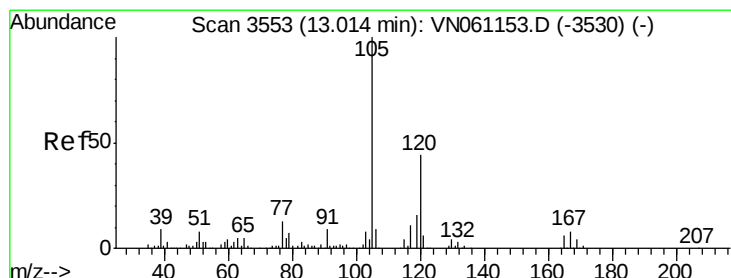
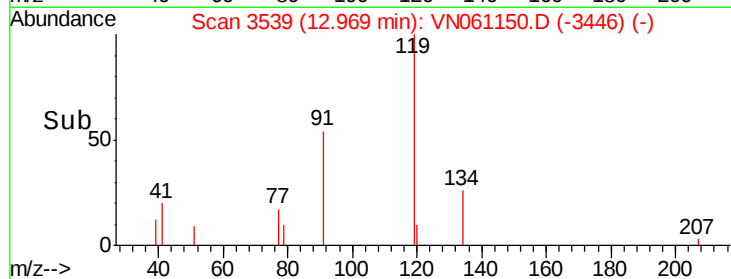
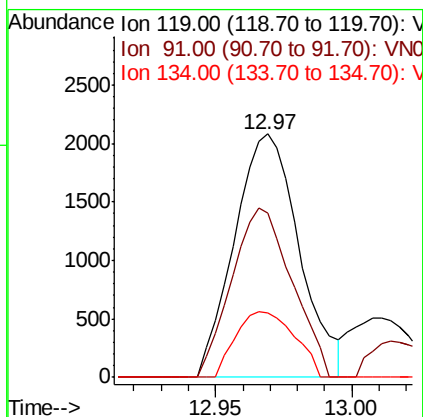
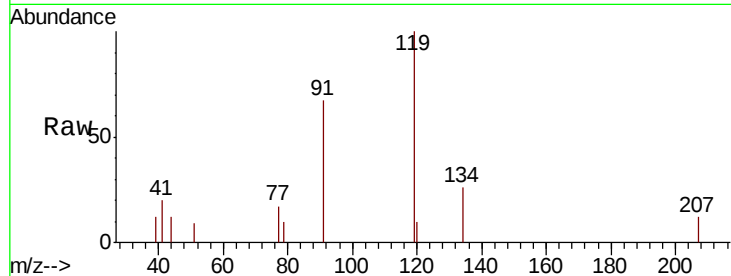




#83
 tert-Butylbenzene
 Concen: 0.884 ug/l
 RT: 12.97 min Scan# 3539
 Delta R.T. 0.00 min
 Lab File: VN061150.D
 Acq: 27 Apr 2020 15:39

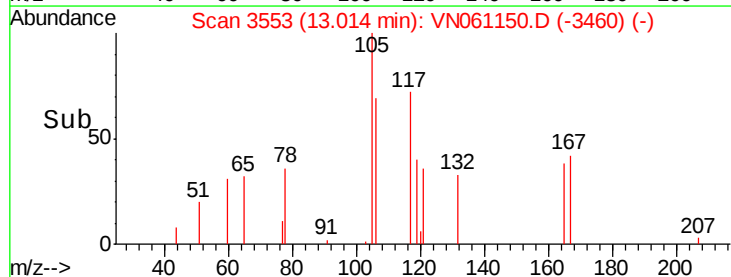
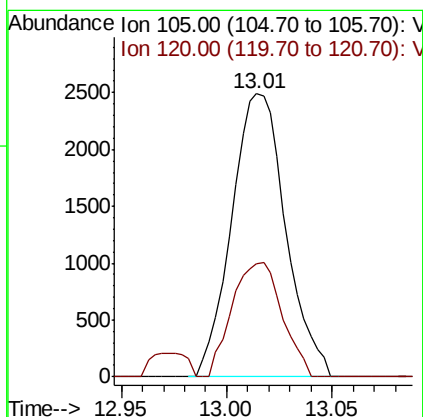
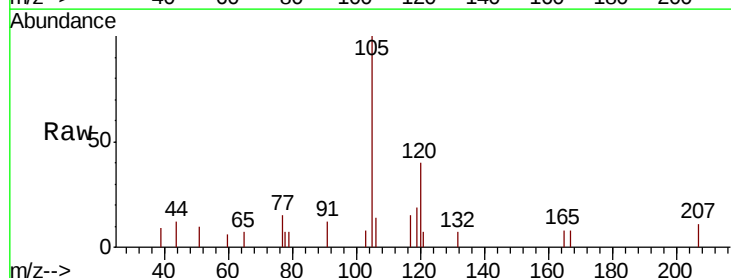
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC001

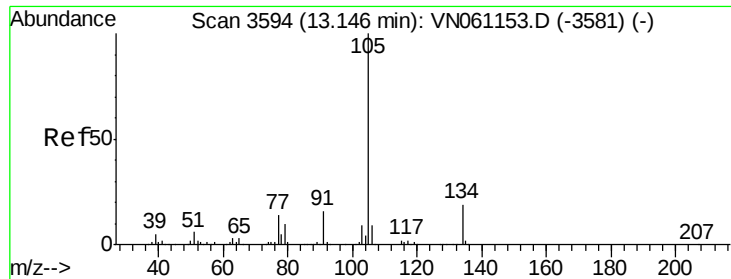
Tot Ion:119 Resp: 3433
 Ion Ratio Lower Upper
 119 100
 91 64.8 34.8 104.4
 134 24.6 12.9 38.7



#84
 1,2,4-Trimethylbenzene
 Concen: 0.958 ug/l
 RT: 13.01 min Scan# 3553
 Delta R.T. 0.00 min
 Lab File: VN061150.D
 Acq: 27 Apr 2020 15:39

Tgt Ion:105 Resp: 4434
 Ion Ratio Lower Upper
 105 100
 120 37.4 22.2 66.6

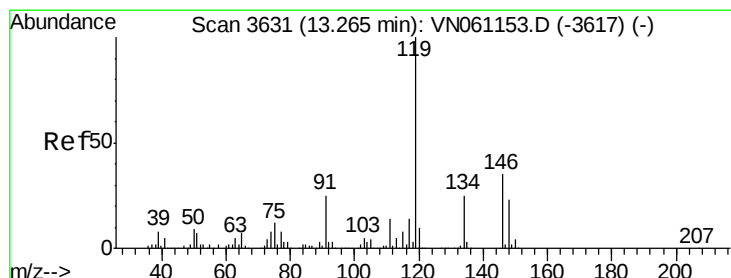
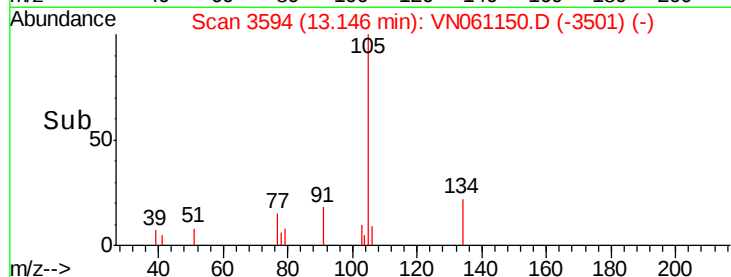
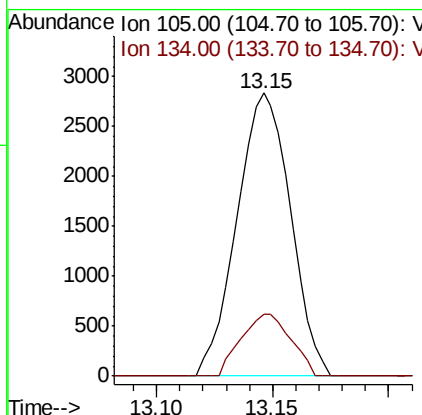
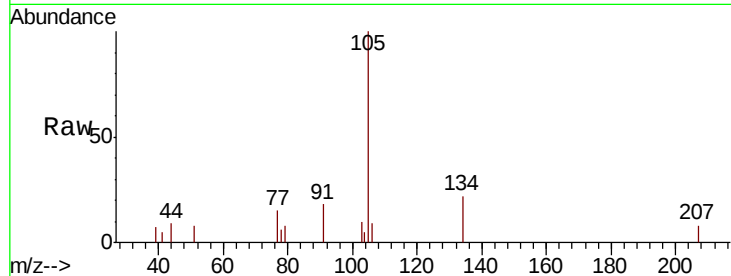




#85
 sec-Butylbenzene
 Concen: 0.863 ug/l
 RT: 13.15 min Scan# 3594
 Delta R.T. 0.00 min
 Lab File: VN061150.D
 Acq: 27 Apr 2020 15:39

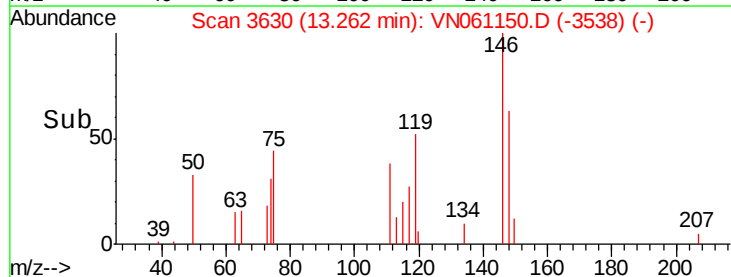
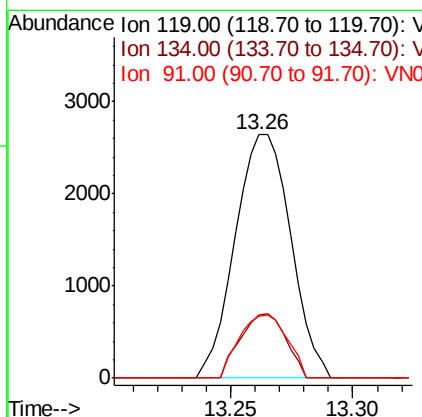
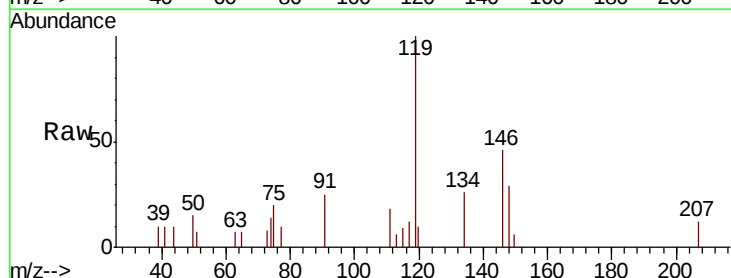
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

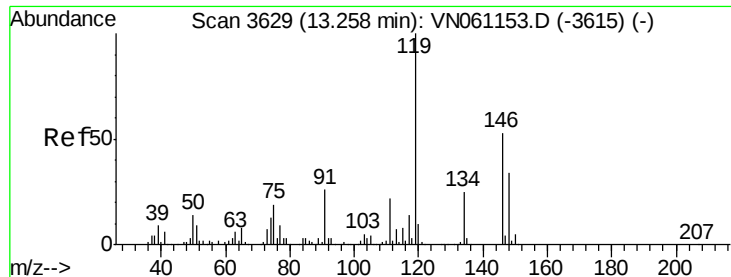
Tot Ion:105 Resp: 4552
 Ion Ratio Lower Upper
 105 100
 134 20.3 9.6 28.8



#86
 p-Isopropyltoluene
 Concen: 0.874 ug/l
 RT: 13.26 min Scan# 3630
 Delta R.T. -0.00 min
 Lab File: VN061150.D
 Acq: 27 Apr 2020 15:39

Tgt Ion:119 Resp: 4180
 Ion Ratio Lower Upper
 119 100
 134 21.6 12.6 37.6
 91 22.2 12.7 38.0





#87

1,3-Dichlorobenzene

Concen: 0.911 ug/l

RT: 13.26 min Scan# 3629

Delta R.T. 0.00 min

Lab File: VN061150.D

Acq: 27 Apr 2020 15:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

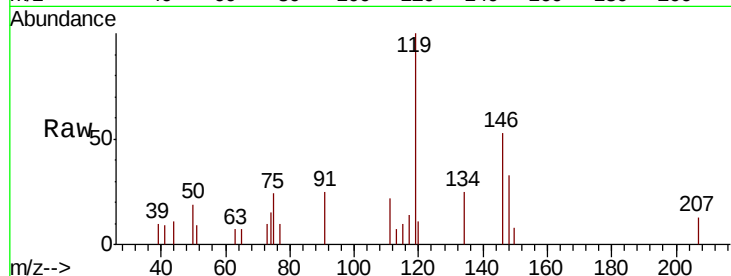
Tot Ion:146 Resp: 2160

Ion Ratio Lower Upper

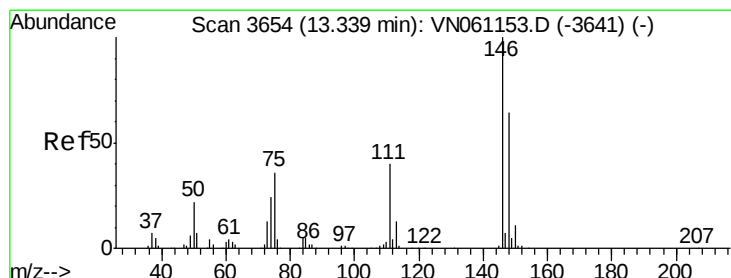
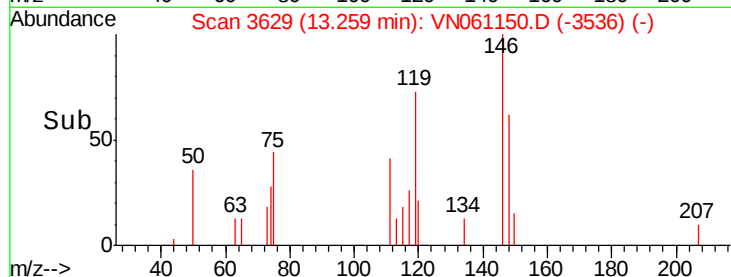
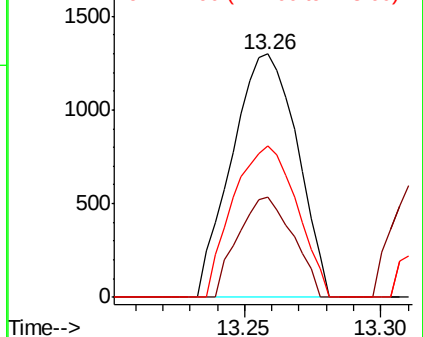
146 100

111 34.7 20.7 62.1

148 60.8 31.8 95.3



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



#88

1,4-Dichlorobenzene

Concen: 0.899 ug/l

RT: 13.26 min Scan# 3629

Delta R.T. -0.08 min

Lab File: VN061150.D

Acq: 27 Apr 2020 15:39

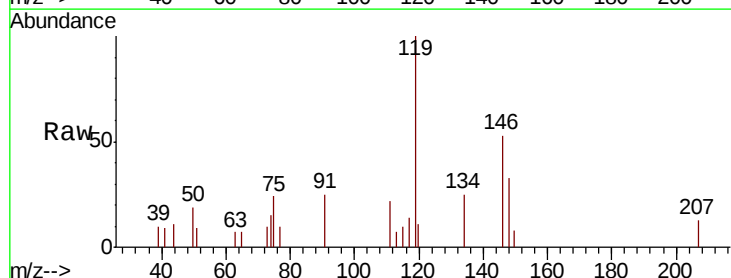
Tgt Ion:146 Resp: 2160

Ion Ratio Lower Upper

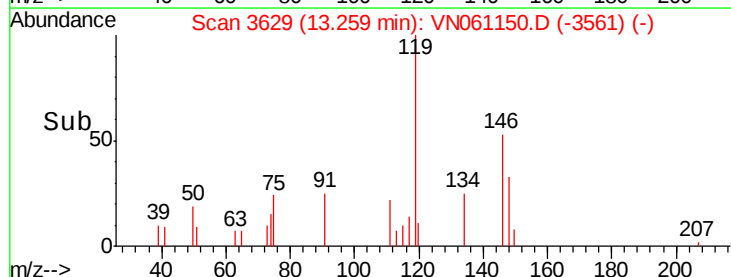
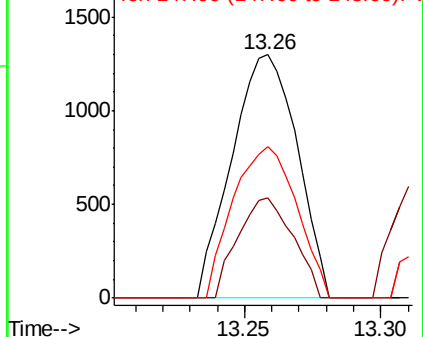
146 100

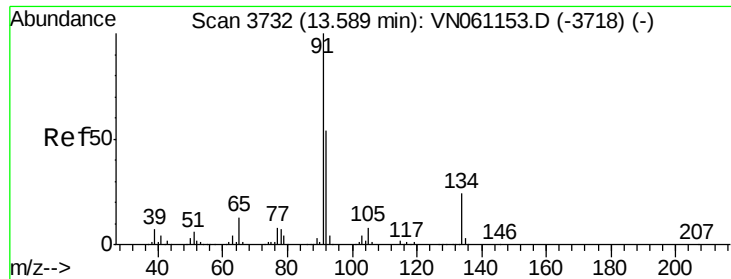
111 34.7 20.4 61.3

148 60.8 31.9 95.7



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





#89

n-Butylbenzene

Concen: 0.865 ug/l

RT: 13.59 min Scan# 3732

Delta R.T. 0.00 min

Lab File: VN061150.D

Acq: 27 Apr 2020 15:39

Instrument :

MSVOA_N

ClientSampled :

VSTDIC001

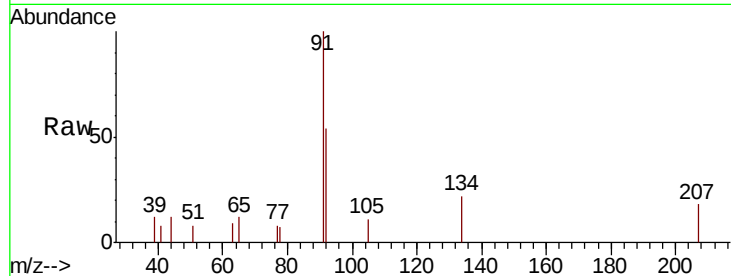
Tot Ion: 91 Resp: 3777

Ion Ratio Lower Upper

91 100

92 51.7 26.8 80.3

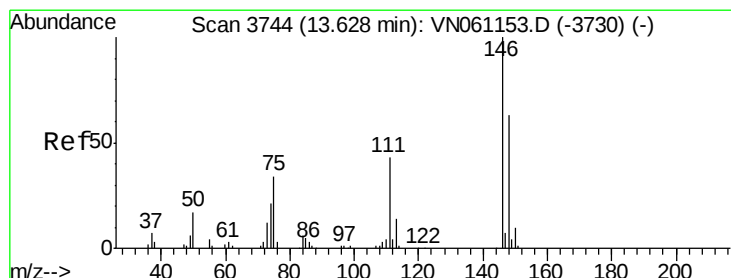
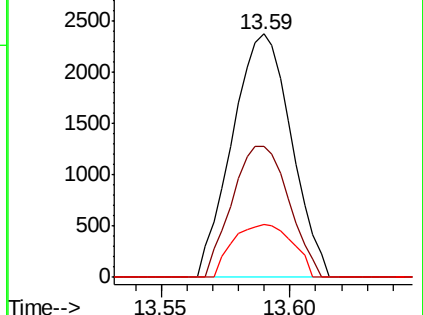
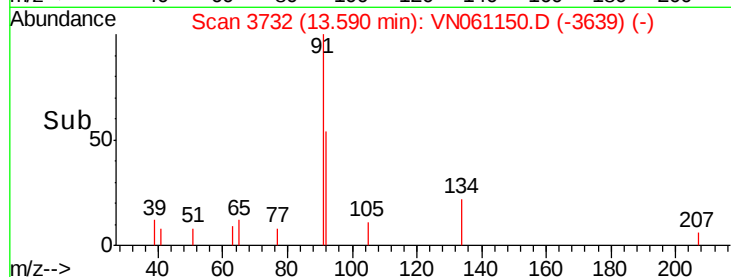
134 21.9 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VN061150.D (-3639) (-)

Ion 92.00 (91.70 to 92.70): VN061150.D (-3639) (-)

Ion 134.00 (133.70 to 134.70): VN061150.D (-3639) (-)



#91

1,2-Dichlorobenzene

Concen: 0.951 ug/l

RT: 13.63 min Scan# 3743

Delta R.T. -0.00 min

Lab File: VN061150.D

Acq: 27 Apr 2020 15:39

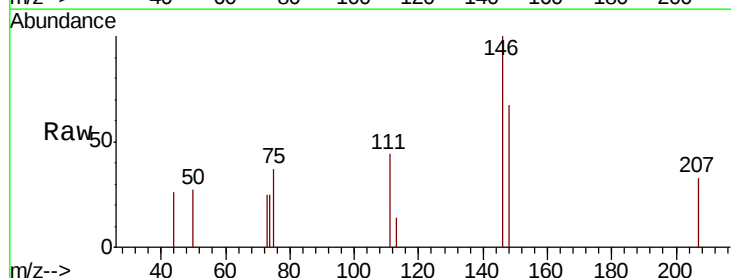
Tgt Ion: 146 Resp: 2101

Ion Ratio Lower Upper

146 100

111 41.0 21.8 65.3

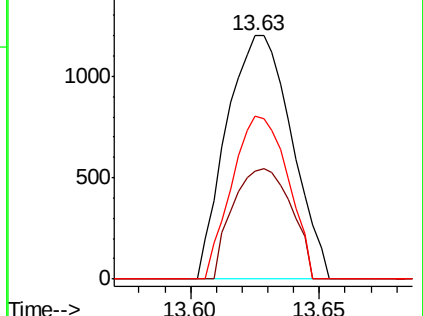
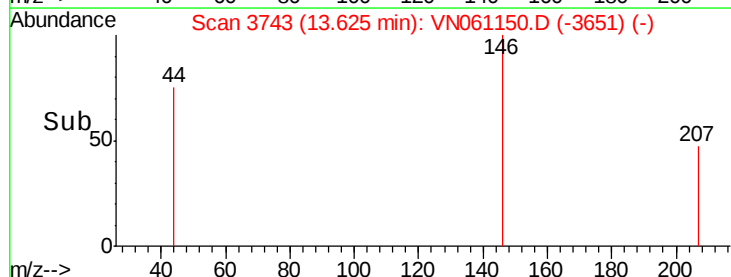
148 57.7 31.6 95.0

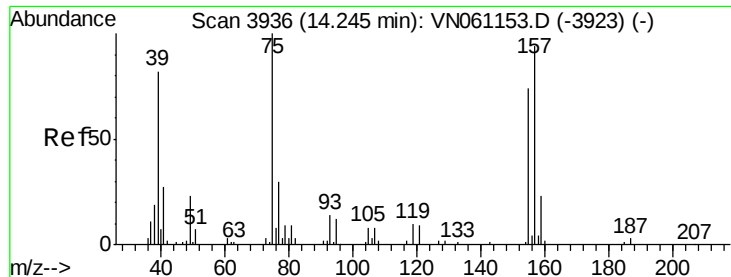


Abundance Ion 145.90 (145.60 to 146.60): VN061150.D (-3651) (-)

Ion 110.90 (110.60 to 111.60): VN061150.D (-3651) (-)

Ion 147.90 (147.60 to 148.60): VN061150.D (-3651) (-)





#92

1,2-Dibromo-3-Chloropropane

Concen: 0.820 ug/l

RT: 14.24 min Scan# 3935

Delta R.T. -0.00 min

Lab File: VN061150.D

Acq: 27 Apr 2020 15:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

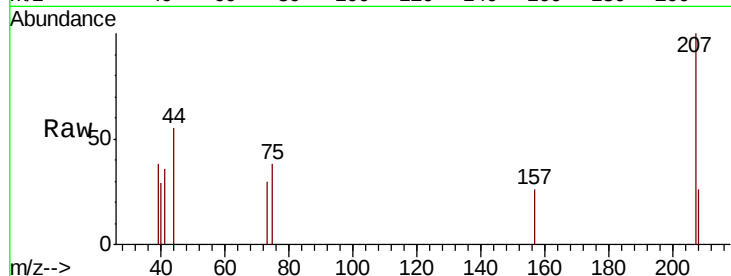
Tot Ion: 75 Resp: 269

Ion Ratio Lower Upper

75 100

155 0.0 36.5 109.7#

157 33.8 46.6 139.7#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

14.24

250

200

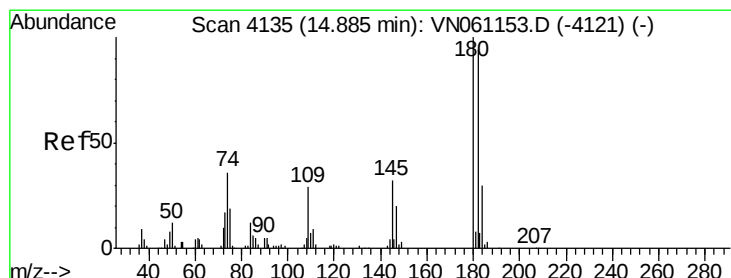
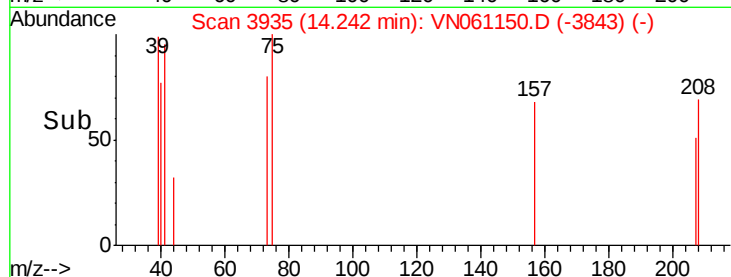
150

100

50

0

Time--> 14.22 14.24 14.26



#93

1,2,4-Trichlorobenzene

Concen: 0.858 ug/l

RT: 14.88 min Scan# 4134

Delta R.T. -0.00 min

Lab File: VN061150.D

Acq: 27 Apr 2020 15:39

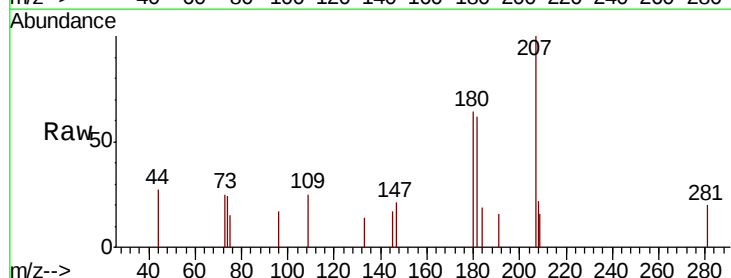
Tgt Ion:180 Resp: 1257

Ion Ratio Lower Upper

180 100

182 92.6 47.3 141.9

145 21.9 16.0 47.9



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V

14.88

1000

800

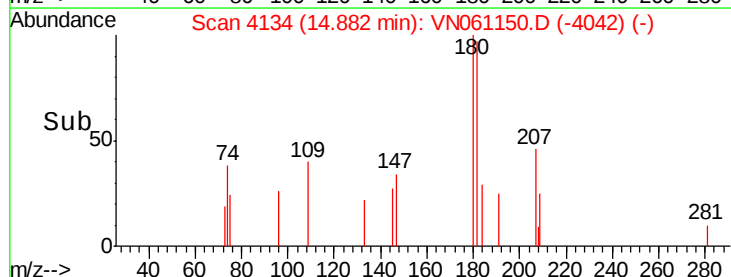
600

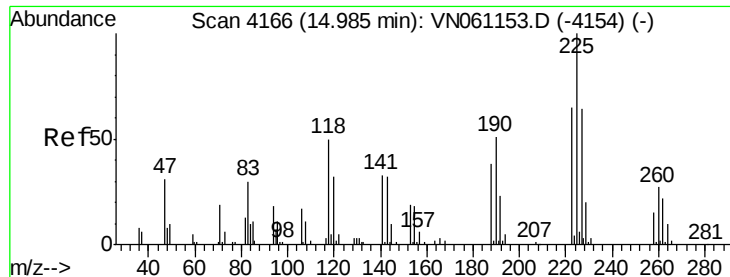
400

200

0

Time--> 14.85 14.90





#94

Hexachlorobutadiene

Concen: 0.775 ug/l

RT: 14.99 min Scan# 4166

Delta R.T. 0.00 min

Lab File: VN061150.D

Acq: 27 Apr 2020 15:39

Instrument :

MSVOA_N

ClientSampled :

VSTDIC001

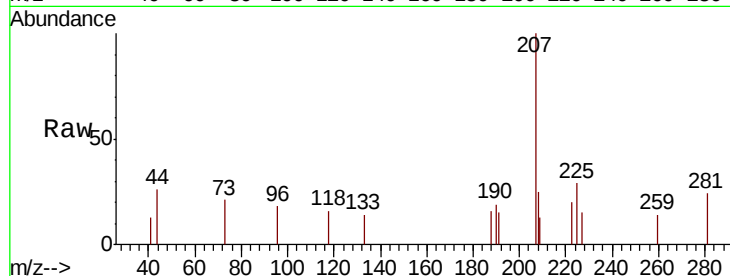
Tot Ion:225 Resp: 492

Ion Ratio Lower Upper

225 100

223 57.9 32.4 97.0

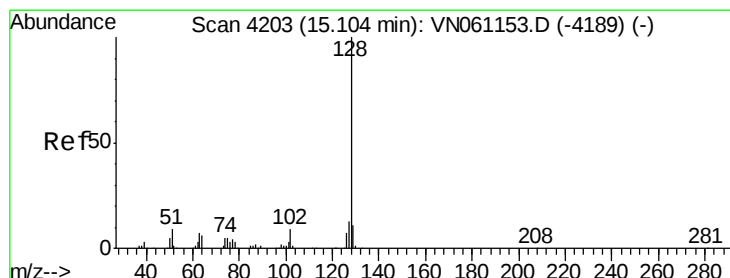
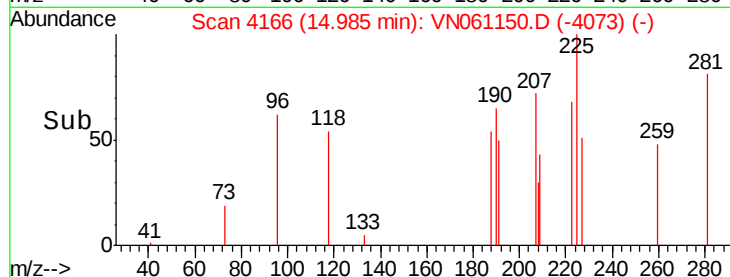
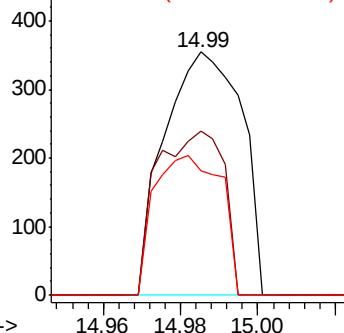
227 49.2 32.4 97.0



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: 0.846 ug/l

RT: 15.10 min Scan# 4203

Delta R.T. 0.00 min

Lab File: VN061150.D

Acq: 27 Apr 2020 15:39

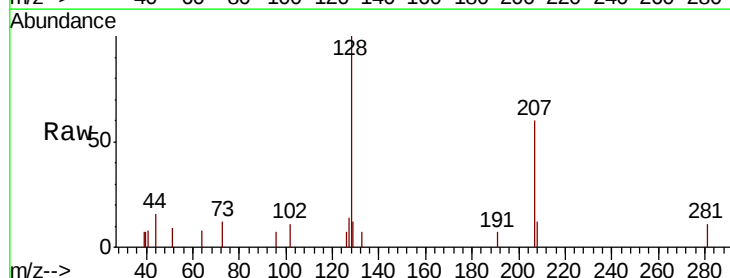
Tgt Ion:128 Resp: 3860

Ion Ratio Lower Upper

128 100

127 11.7 10.4 15.6

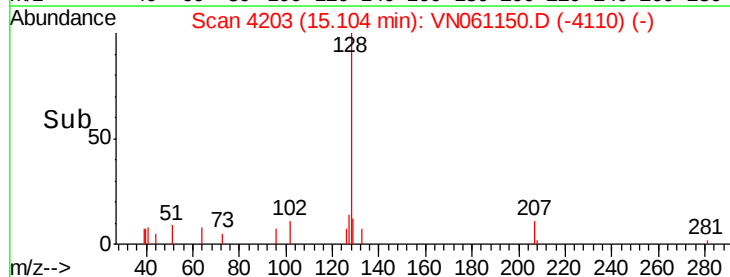
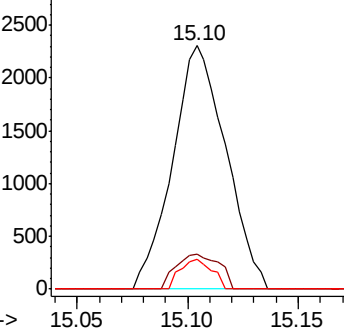
129 7.4 8.7 13.1#

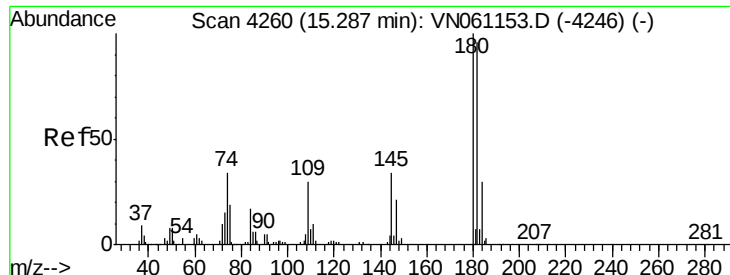


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V





#96
 1,2,3-Trichlorobenzene
 Concen: 0.872 ug/l
 RT: 15.28 min Scan# 4259
 Delta R.T. -0.00 min
 Lab File: VN061150.D
 Acq: 27 Apr 2020 15:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
180	100		
182	88.8	47.5	142.5
145	20.4	16.9	50.7

