

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN062420\
 Data File : VN062058.D
 Acq On : 24 Jun 2020 10:30
 Operator : JC/MD
 Sample : VSTDIC020
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Quant Time: Jun 24 11:15:52 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N062420W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 24 11:12:39 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	251905	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	438741	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	412383	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	182827	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.99	65	67316	19.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	39.90%	
35) Dibromofluoromethane	7.55	113	54028	19.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.80%	
50) Toluene-d8	10.06	98	212793	19.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.66%	
62) 4-Bromofluorobenzene	12.38	95	69605	18.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	37.00%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.83	85	56000	19.860	ug/l	97
3) Chloromethane	2.03	50	71243	20.628	ug/l	99
4) Vinyl Chloride	2.16	62	85623	20.772	ug/l	98
5) Bromomethane	2.53	94	56015	17.981	ug/l	100
6) Chloroethane	2.67	64	58030	20.607	ug/l	98
7) Trichlorofluoromethane	2.98	101	103574	21.186	ug/l	99
8) Diethyl Ether	3.37	74	35797	21.286	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.72	101	54715	21.302	ug/l	99
10) Methyl Iodide	3.91	142	60506	21.589	ug/l	98
11) Tert butyl alcohol	4.73	59	47671	100.777	ug/l	100
12) 1,1-Dichloroethene	3.70	96	53951	20.998	ug/l	98
13) Acrolein	3.57	56	47260	145.984	ug/l	96
14) Allyl chloride	4.27	41	66560	19.290	ug/l	95
15) Acrylonitrile	4.93	53	128527	108.816	ug/l	98
16) Acetone	3.78	43	116988	113.389	ug/l	98
17) Carbon Disulfide	4.01	76	163960	21.689	ug/l	100
18) Methyl Acetate	4.28	43	50419	17.886	ug/l	99
19) Methyl tert-butyl Ether	4.99	73	169988	19.866	ug/l	99
20) Methylene Chloride	4.50	84	65124	19.885	ug/l	95
21) trans-1,2-Dichloroethene	4.99	96	60993	20.682	ug/l	97
22) Diisopropyl ether	5.90	45	163588	20.750	ug/l	99
23) Vinyl Acetate	5.84	43	673286	107.411	ug/l	99
24) 1,1-Dichloroethane	5.80	63	107291	20.901	ug/l	99
25) 2-Butanone	6.79	43	161103	108.143	ug/l	99
26) 2,2-Dichloropropane	6.77	77	90842	20.924	ug/l	99
27) cis-1,2-Dichloroethene	6.78	96	67490	19.866	ug/l	98
28) Bromochloromethane	7.15	49	44558	19.423	ug/l	99
29) Tetrahydrofuran	7.17	42	105956	107.897	ug/l	100
30) Chloroform	7.33	83	108113	19.826	ug/l	98
31) Cyclohexane	7.62	56	89683	19.927	ug/l	95
32) 1,1,1-Trichloroethane	7.53	97	92992	20.053	ug/l	99
36) 1,1-Dichloropropene	7.75	75	82271	20.513	ug/l	98
37) Ethyl Acetate	6.88	43	63372	19.945	ug/l #	90
38) Carbon Tetrachloride	7.73	117	78775	19.944	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	87363	20.219	ug/l	100
40) Benzene	8.00	78	249281	20.419	ug/l	99
41) Methacrylonitrile	7.16	41	97282	70.266	ug/l #	35
42) 1,2-Dichloroethane	8.08	62	87169	20.962	ug/l	99
43) Isopropyl Acetate	8.13	43	108244	20.348	ug/l	98
44) Trichloroethene	8.80	130	64649	20.313	ug/l	97
45) 1,2-Dichloropropane	9.08	63	63055	21.042	ug/l	96
46) Dibromomethane	9.17	93	43236	20.612	ug/l	98
47) Bromodichloromethane	9.37	83	84759	19.674	ug/l	95
48) Methyl methacrylate	9.17	41	48474	19.944	ug/l	99
49) 1,4-Dioxane	9.17	88	23203	414.887	ug/l	98
51) 4-Methyl-2-Pentanone	9.95	43	328979	103.992	ug/l	100
52) Toluene	10.12	92	155527	20.336	ug/l	99
53) t-1,3-Dichloropropene	10.35	75	91745	19.942	ug/l	98
54) cis-1,3-Dichloropropene	9.81	75	100478	20.151	ug/l	100
55) 1,1,2-Trichloroethane	10.53	97	61570	20.438	ug/l	98
56) Ethyl methacrylate	10.40	69	77876	19.311	ug/l	99
57) 1,3-Dichloropropane	10.68	76	103498	20.268	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.66	63	151093	95.147	ug/l	99
59) 2-Hexanone	10.72	43	237385	104.438	ug/l	100
60) Dibromochloromethane	10.87	129	63192	18.968	ug/l	99
61) 1,2-Dibromoethane	10.98	107	62952	20.090	ug/l	100
64) Tetrachloroethene	10.60	164	53858	20.550	ug/l	99
65) Chlorobenzene	11.41	112	167939	19.299	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.48	131	60450	19.993	ug/l	99
67) Ethyl Benzene	11.48	91	288686	19.744	ug/l	99
68) m/p-Xylenes	11.60	106	223612	39.653	ug/l	100
69) o-Xylene	11.92	106	103992	19.377	ug/l	99
70) Styrene	11.94	104	173485	19.307	ug/l	99
71) Bromoform	12.10	173	41724	18.976	ug/l #	97
73) Isopropylbenzene	12.22	105	275121	21.071	ug/l	100
74) N-amyl acetate	12.05	43	85444	20.190	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	88829	20.768	ug/l	100
76) 1,2,3-Trichloropropane	12.53	75	109670	30.128	ug/l #	100
77) Bromobenzene	12.50	156	68729	20.924	ug/l	95
78) n-propylbenzene	12.57	91	308392	20.611	ug/l	99
79) 2-Chlorotoluene	12.65	91	186397	20.761	ug/l	100
80) 1,3,5-Trimethylbenzene	12.71	105	223010	20.683	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.27	75	27227	20.276	ug/l	97
82) 4-Chlorotoluene	12.75	91	189115	20.407	ug/l	99
83) tert-Butylbenzene	12.97	119	188438	20.613	ug/l	99
84) 1,2,4-Trimethylbenzene	13.01	105	225453	21.210	ug/l	100
85) sec-Butylbenzene	13.15	105	247898	20.660	ug/l	99
86) p-Isopropyltoluene	13.26	119	220630	20.713	ug/l	100
87) 1,3-Dichlorobenzene	13.26	146	115002	19.297	ug/l	98
88) 1,4-Dichlorobenzene	13.34	146	116050	19.030	ug/l	99
89) n-Butylbenzene	13.59	91	167366	18.737	ug/l	100
90) Hexachloroethane	13.85	117	41430	21.094	ug/l	100
91) 1,2-Dichlorobenzene	13.63	146	114720	20.031	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.25	75	14775	21.290	ug/l	99

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Quant Title : SW846 8260
QLast Update : Wed Jun 24 11:12:39 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.89	180	46984	17.515	ug/l	98
94) Hexachlorobutadiene	14.98	225	21216	19.943	ug/l	97
95) Naphthalene	15.11	128	132294	17.074	ug/l	100
96) 1,2,3-Trichlorobenzene	15.28	180	47333	17.724	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.00 min

Lab File: VN062058.D

Acq: 24 Jun 2020 10:30

Instrument :

MSVOA_N

ClientSampleId :

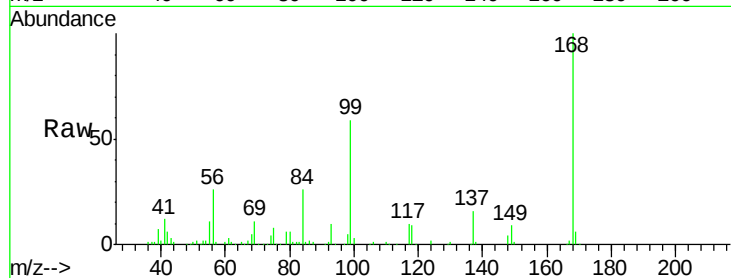
VSTDIC020

Tgt Ion:168 Resp: 251905

Ion Ratio Lower Upper

168 100

99 58.9 45.8 68.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.63

120000

100000

80000

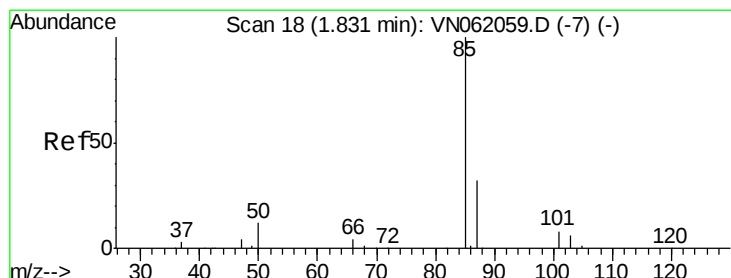
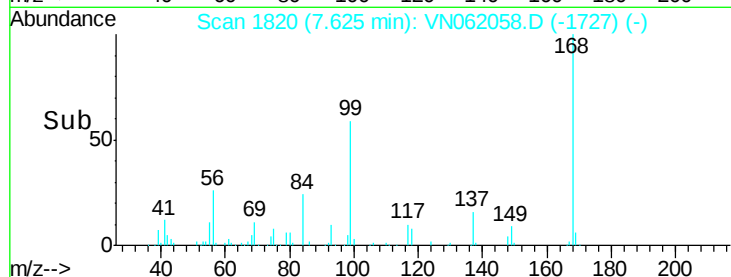
60000

40000

20000

0

Time--> 7.50 7.60 7.70



#2

Dichlorodifluoromethane

Concen: 19.860 ug/l

RT: 1.83 min Scan# 18

Delta R.T. -0.00 min

Lab File: VN062058.D

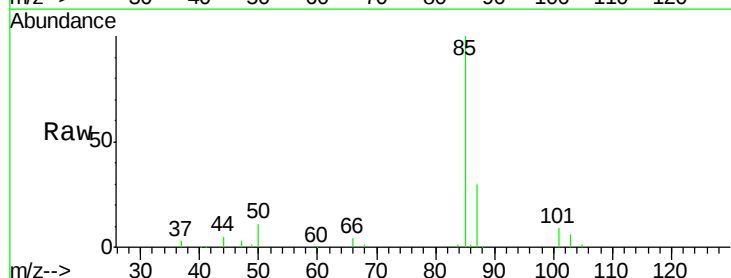
Acq: 24 Jun 2020 10:30

Tgt Ion: 85 Resp: 56000

Ion Ratio Lower Upper

85 100

87 30.2 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

40000

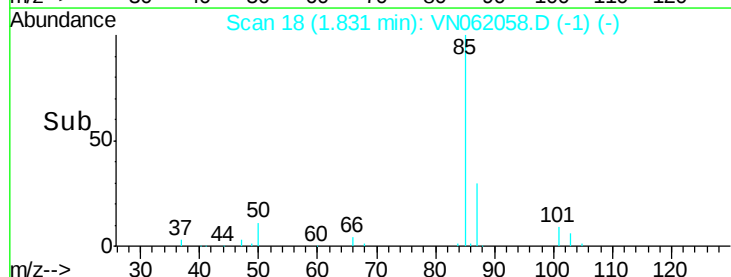
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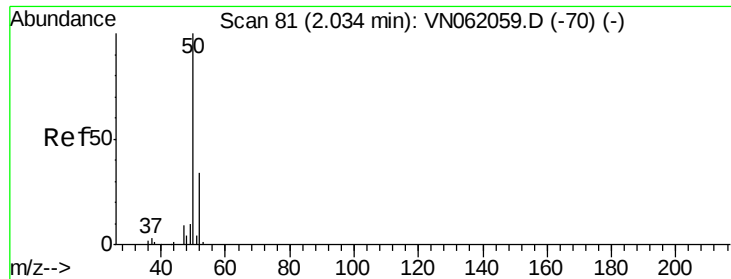
20000

10000

0

Time--> 1.80 1.85 1.90





#3

Chloromethane

Concen: 20.628 ug/l

RT: 2.03 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN062058.D

Acq: 24 Jun 2020 10:30

Instrument :

MSVOA_N

ClientSampleId :

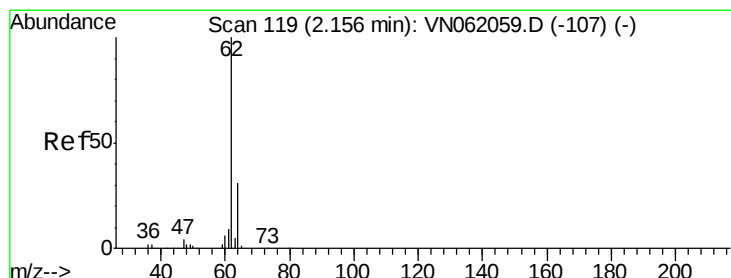
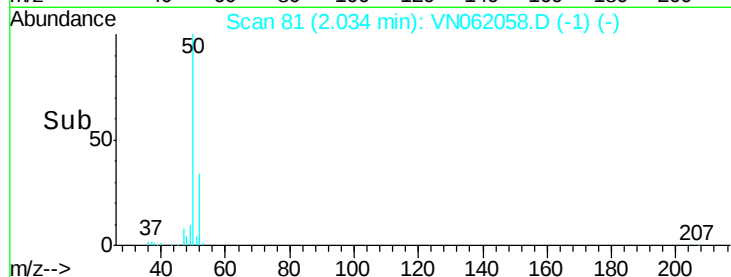
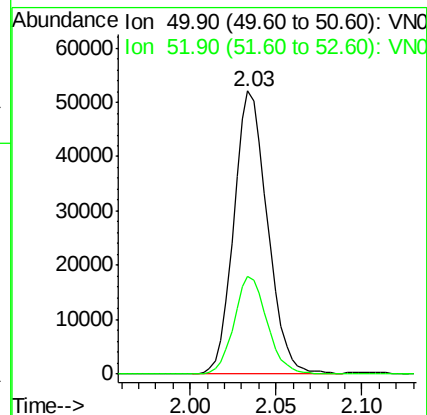
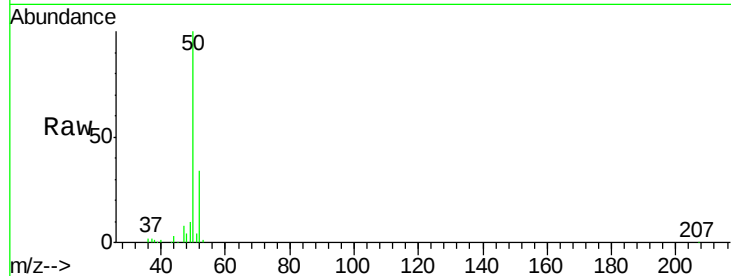
VSTDIC020

Tgt Ion: 50 Resp: 71243

Ion Ratio Lower Upper

50 100

52 34.4 27.0 40.6



#4

Vinyl Chloride

Concen: 20.772 ug/l

RT: 2.16 min Scan# 120

Delta R.T. 0.00 min

Lab File: VN062058.D

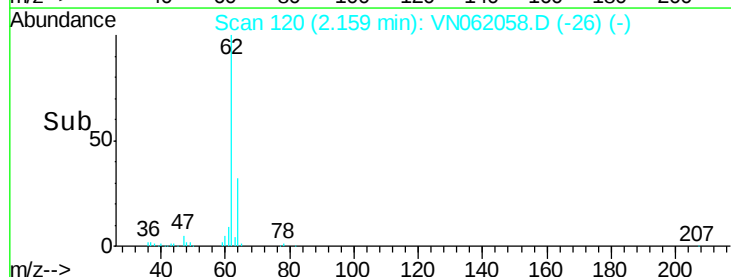
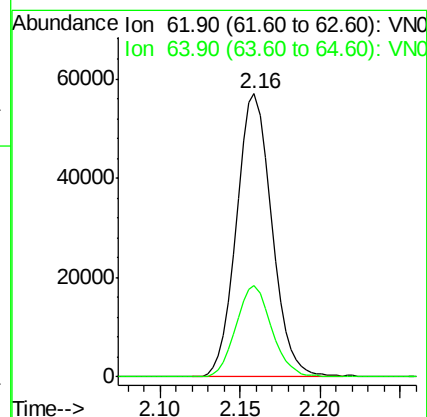
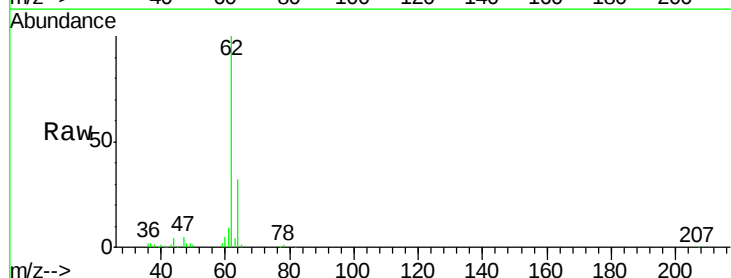
Acq: 24 Jun 2020 10:30

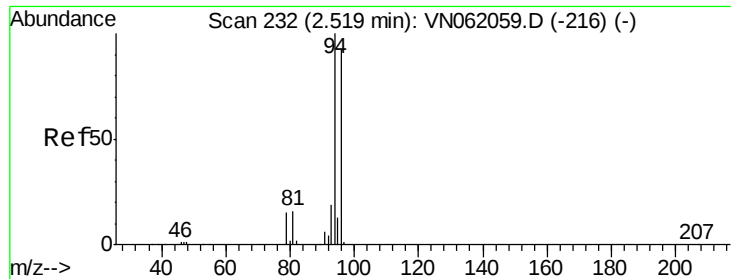
Tgt Ion: 62 Resp: 85623

Ion Ratio Lower Upper

62 100

64 32.3 25.1 37.7





#5

Bromomethane

Concen: 17.981 ug/l

RT: 2.53 min Scan# 236

Delta R.T. 0.01 min

Lab File: VN062058.D

Acq: 24 Jun 2020 10:30

Instrument :

MSVOA_N

ClientSampleId :

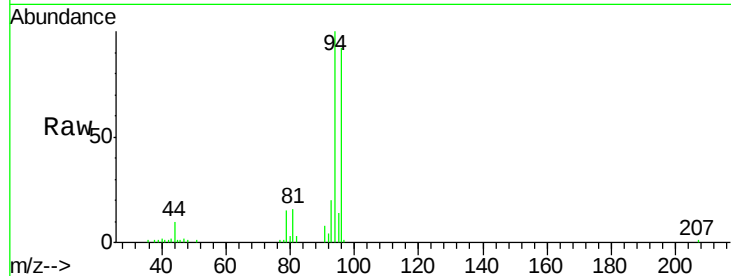
VSTDIC020

Tgt Ion: 94 Resp: 56015

Ion Ratio Lower Upper

94 100

96 92.2 73.4 110.2

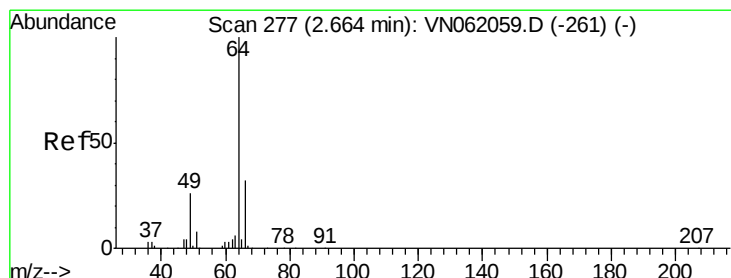
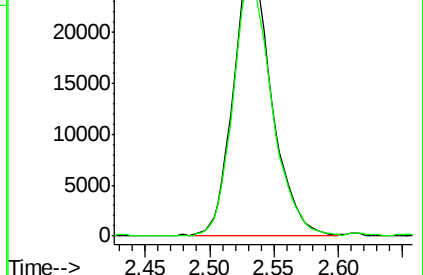
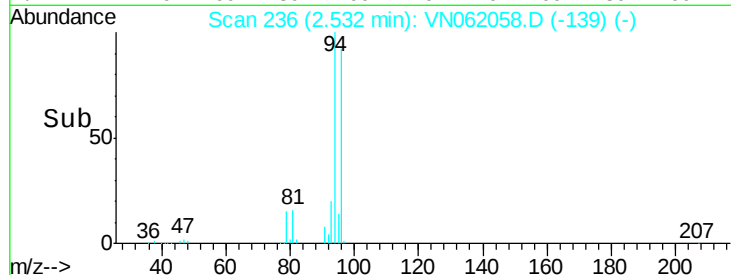


Abundance Ion 93.90 (93.60 to 94.60): VN062058.D (-139) (-)

Ion 95.90 (95.60 to 96.60): VN062058.D (-139) (-)

2.53

Time-->



#6

Chloroethane

Concen: 20.607 ug/l

RT: 2.67 min Scan# 279

Delta R.T. 0.01 min

Lab File: VN062058.D

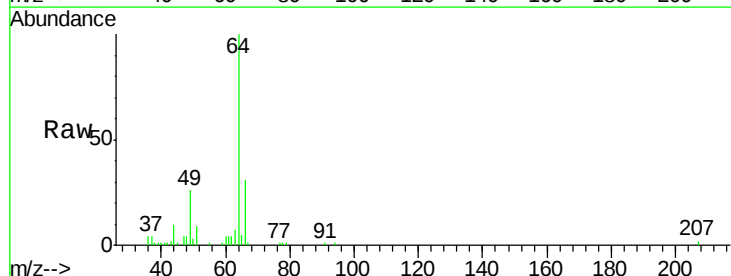
Acq: 24 Jun 2020 10:30

Tgt Ion: 64 Resp: 58030

Ion Ratio Lower Upper

64 100

66 31.2 25.8 38.6

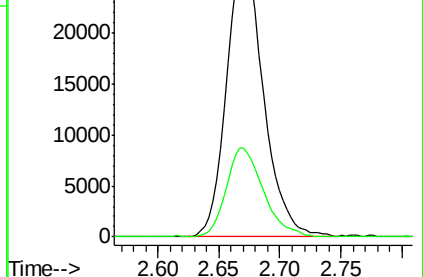
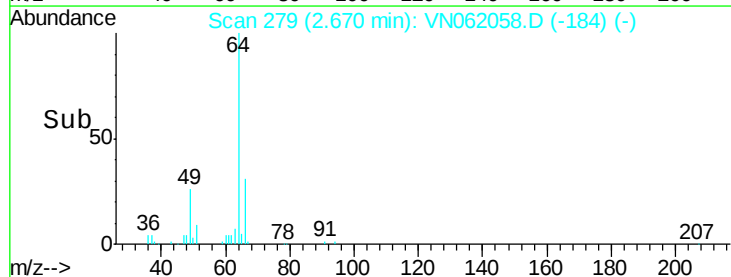


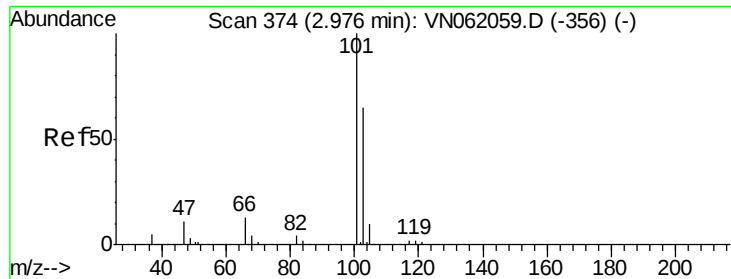
Abundance Ion 63.90 (63.60 to 64.60): VN062058.D (-184) (-)

Ion 65.90 (65.60 to 66.60): VN062058.D (-184) (-)

2.67

Time-->



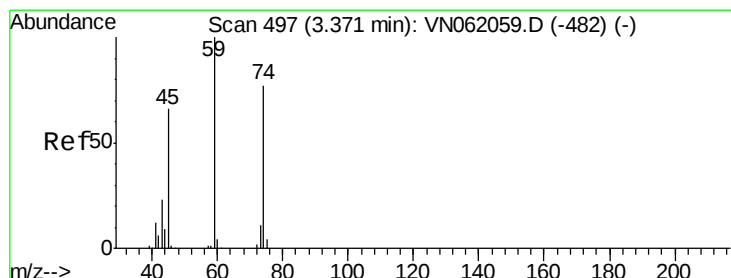
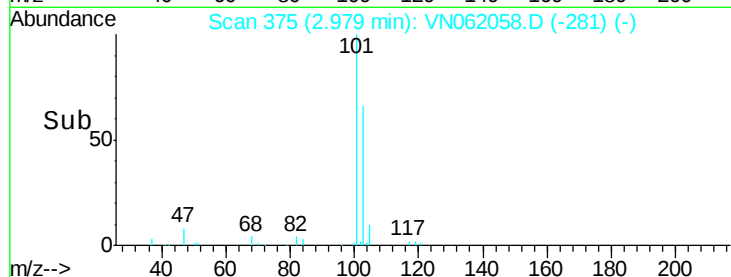
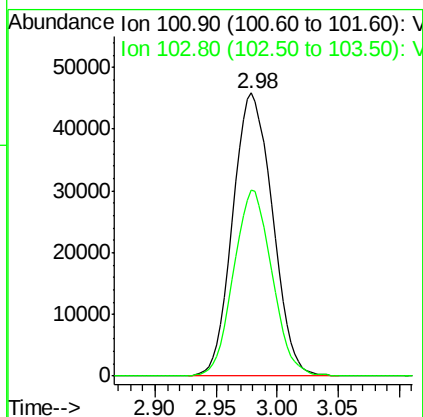
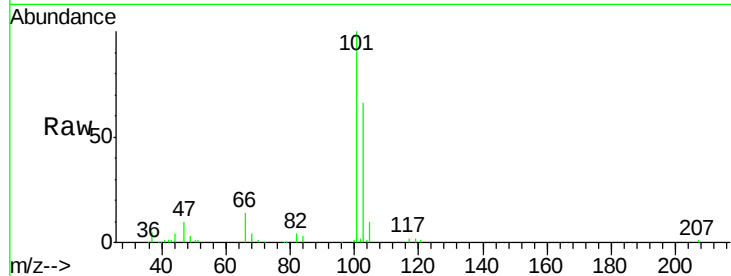


#7

Trichlorofluoromethane
 Concen: 21.186 ug/l
 RT: 2.98 min Scan# 375
 Delta R.T. 0.00 min
 Lab File: VN062058.D
 Acq: 24 Jun 2020 10:30

Instrument :
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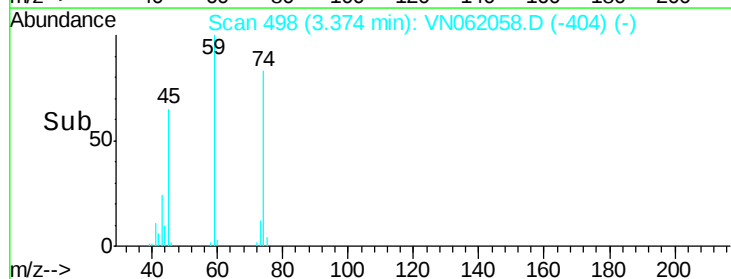
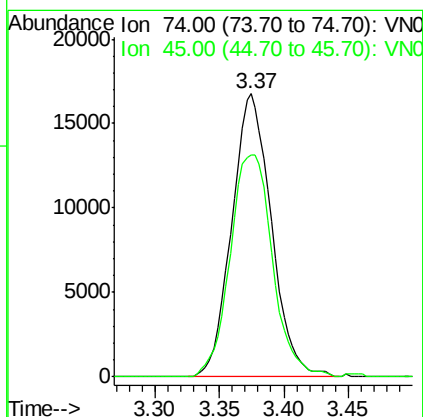
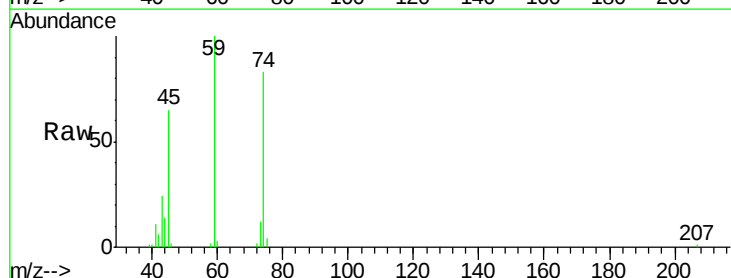
Tgt Ion: 101 Resp: 103574
 Ion Ratio Lower Upper
 101 100
 103 65.5 51.8 77.6

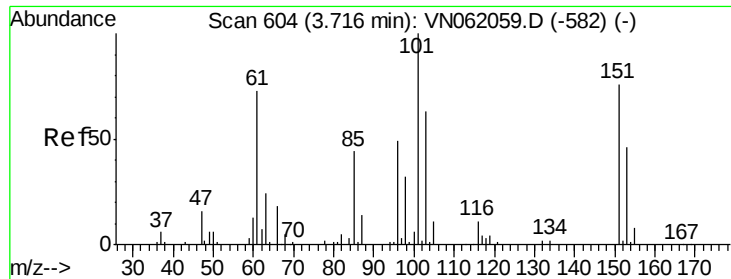


#8

Diethyl Ether
 Concen: 21.286 ug/l
 RT: 3.37 min Scan# 498
 Delta R.T. 0.00 min
 Lab File: VN062058.D
 Acq: 24 Jun 2020 10:30

Tgt Ion: 74 Resp: 35797
 Ion Ratio Lower Upper
 74 100
 45 84.3 42.5 127.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.302 ug/l

RT: 3.72 min Scan# 605

Delta R.T. 0.00 min

Lab File: VN062058.D

Acq: 24 Jun 2020 10:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

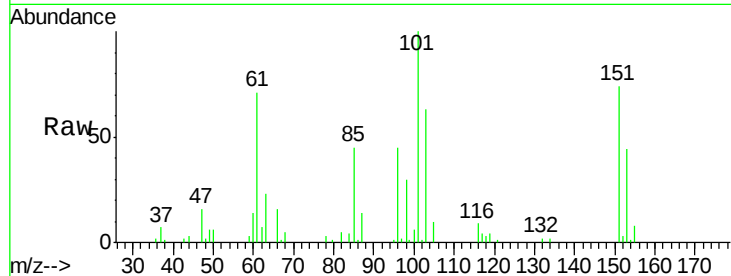
Tgt Ion:101 Resp: 54715

Ion Ratio Lower Upper

101 100

85 44.1 34.5 51.7

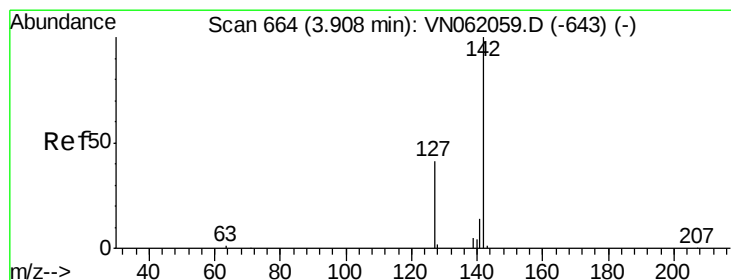
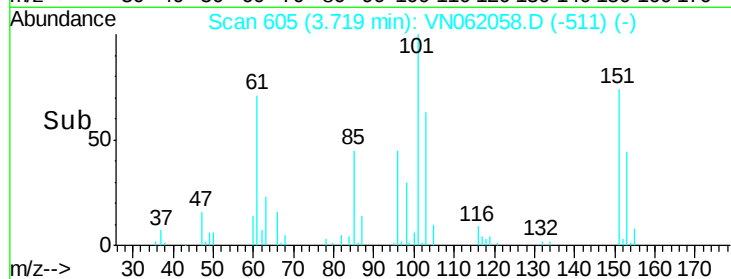
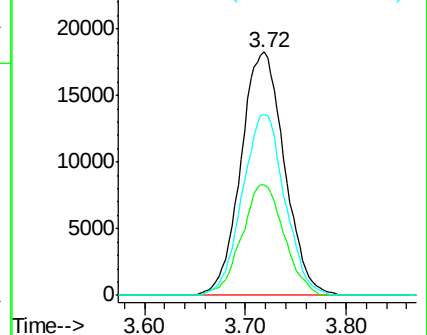
151 72.4 57.8 86.8



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 21.589 ug/l

RT: 3.91 min Scan# 664

Delta R.T. -0.00 min

Lab File: VN062058.D

Acq: 24 Jun 2020 10:30

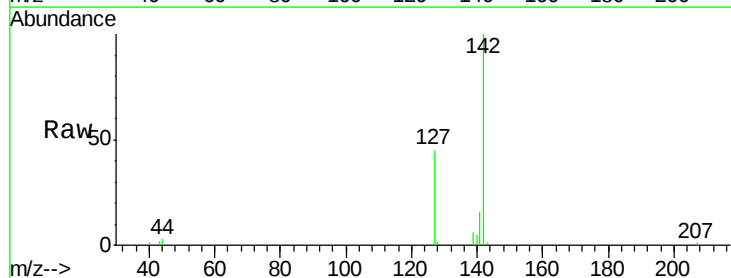
Tgt Ion:142 Resp: 60506

Ion Ratio Lower Upper

142 100

127 43.2 33.6 50.4

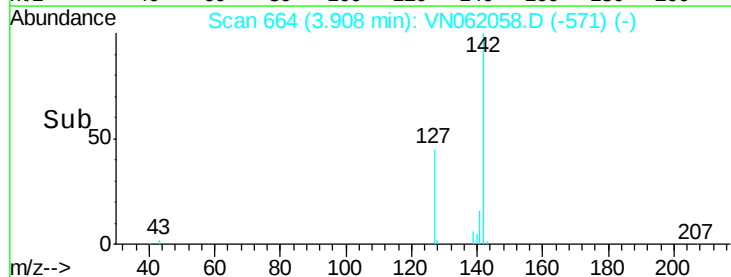
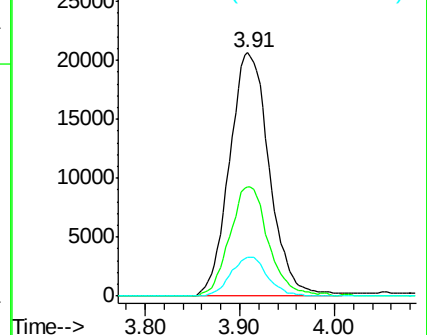
141 14.6 11.3 16.9



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



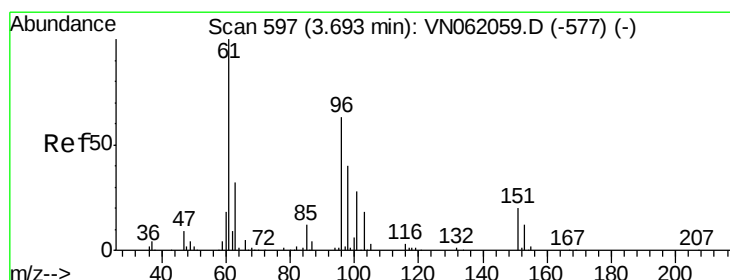
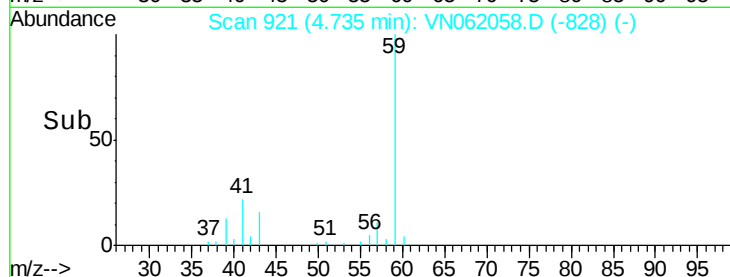
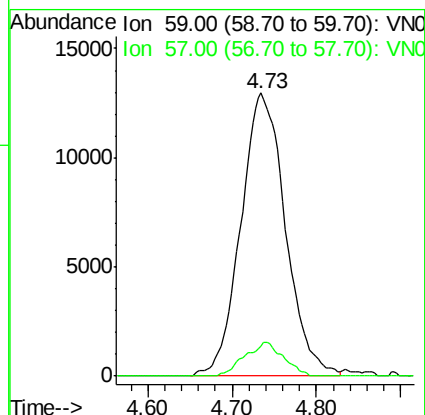
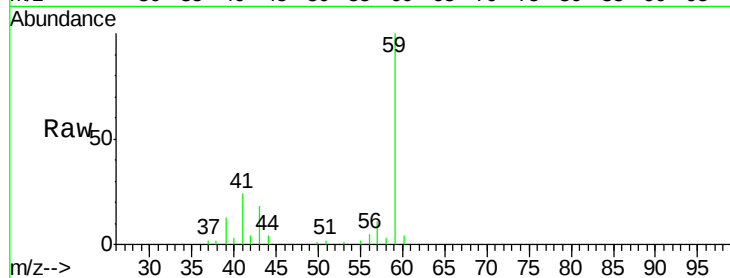


#11

Tert butyl alcohol
 Concen: 100.777 ug/l
 RT: 4.73 min Scan# 921
 Delta R.T. -0.00 min
 Lab File: VN062058.D
 Acq: 24 Jun 2020 10:30

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC020

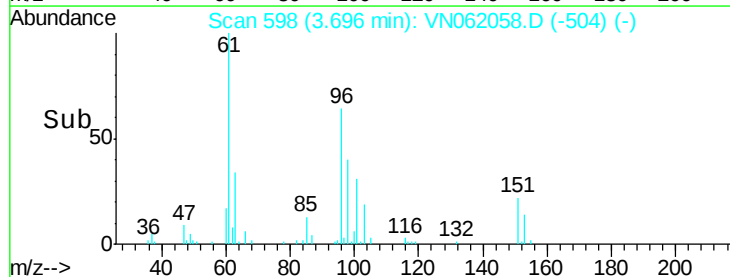
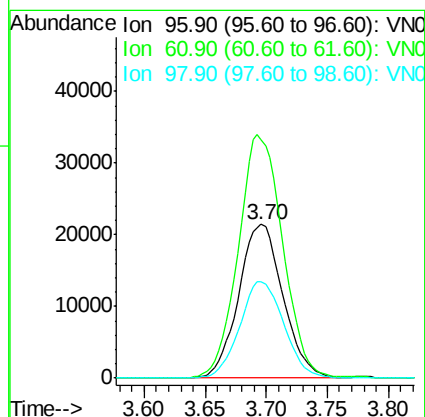
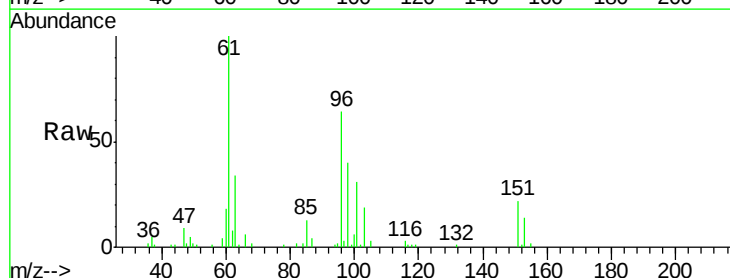
Tgt Ion: 59 Resp: 47671
 Ion Ratio Lower Upper
 59 100
 57 10.3 8.3 12.5

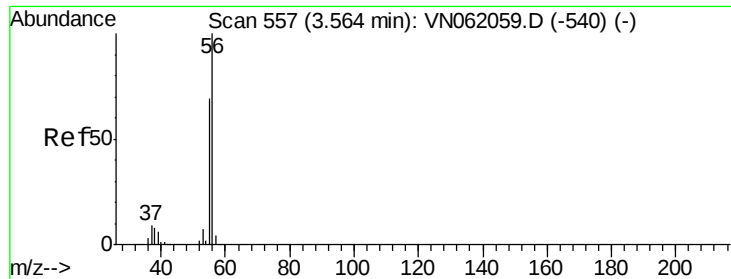


#12

1,1-Dichloroethene
 Concen: 20.998 ug/l
 RT: 3.70 min Scan# 598
 Delta R.T. 0.00 min
 Lab File: VN062058.D
 Acq: 24 Jun 2020 10:30

Tgt Ion: 96 Resp: 53951
 Ion Ratio Lower Upper
 96 100
 61 155.1 126.7 190.1
 98 62.6 51.0 76.4





#13

Acrolein

Concen: 145.984 ug/l

RT: 3.57 min Scan# 559

Delta R.T. 0.01 min

Lab File: VN062058.D

Acq: 24 Jun 2020 10:30

Instrument :

MSVOA_N

ClientSampleId :

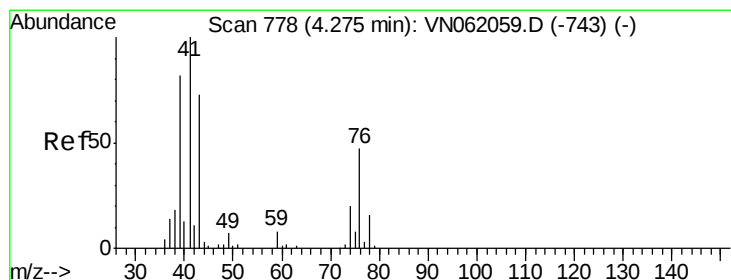
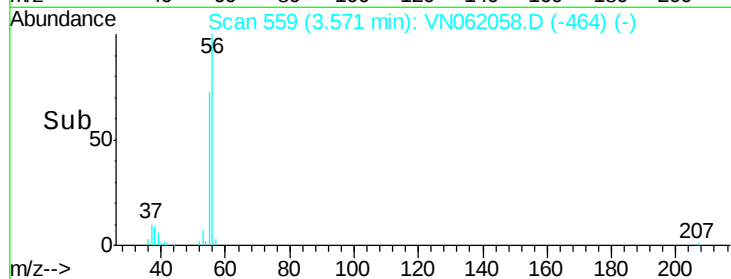
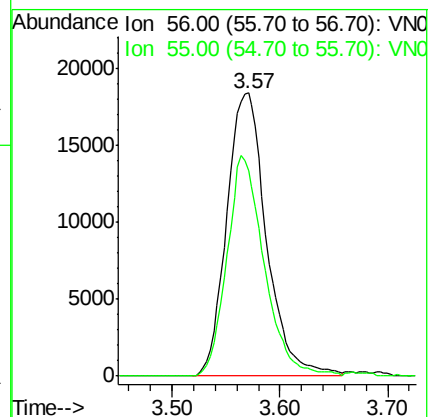
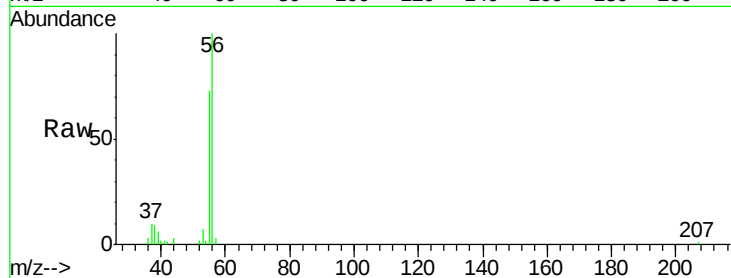
VSTDIC020

Tgt Ion: 56 Resp: 47260

Ion Ratio Lower Upper

56 100

55 72.5 55.5 83.3



#14

Allyl chloride

Concen: 19.290 ug/l

RT: 4.27 min Scan# 778

Delta R.T. -0.00 min

Lab File: VN062058.D

Acq: 24 Jun 2020 10:30

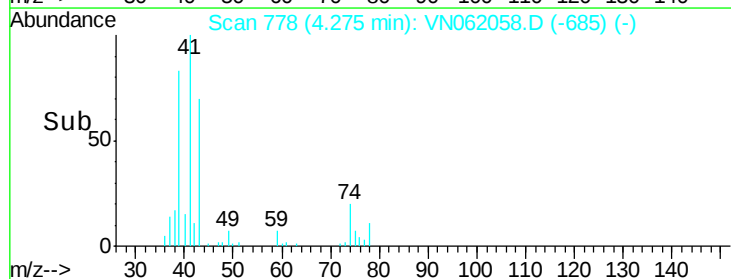
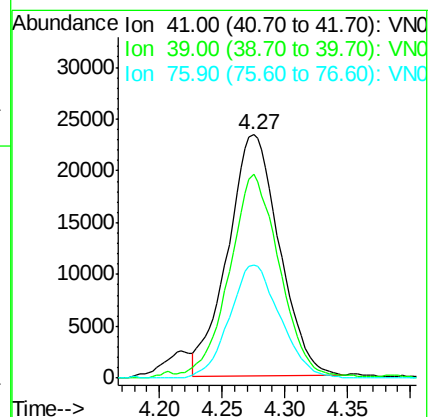
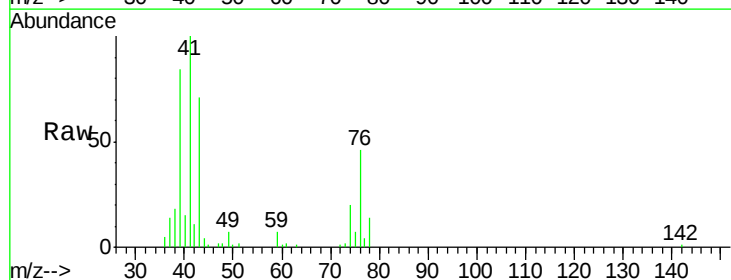
Tgt Ion: 41 Resp: 66560

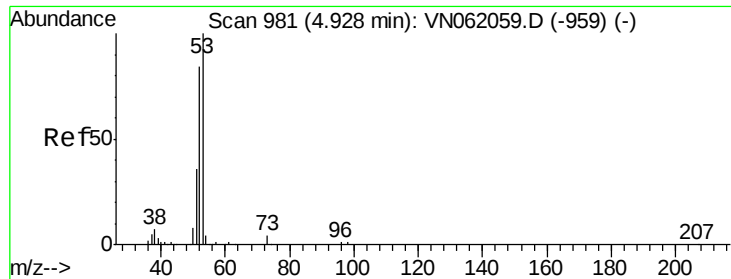
Ion Ratio Lower Upper

41 100

39 79.3 60.0 90.0

76 46.0 34.1 51.1





#15

Acrylonitrile

Concen: 108.816 ug/l

RT: 4.93 min Scan# 983

Delta R.T. 0.01 min

Lab File: VN062058.D

Acq: 24 Jun 2020 10:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

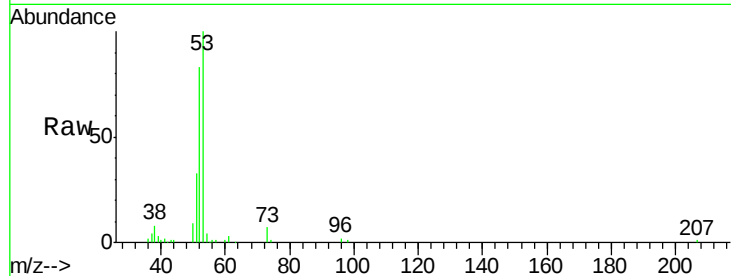
Tgt Ion: 53 Resp: 128527

Ion Ratio Lower Upper

53 100

52 80.1 66.2 99.4

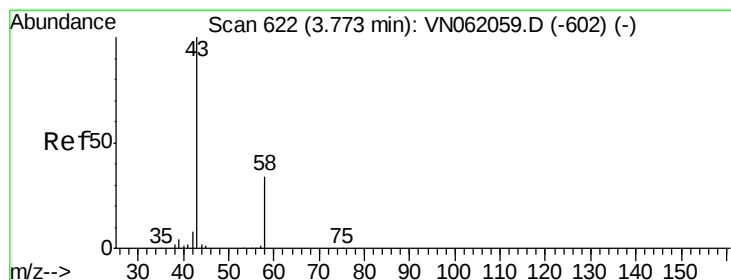
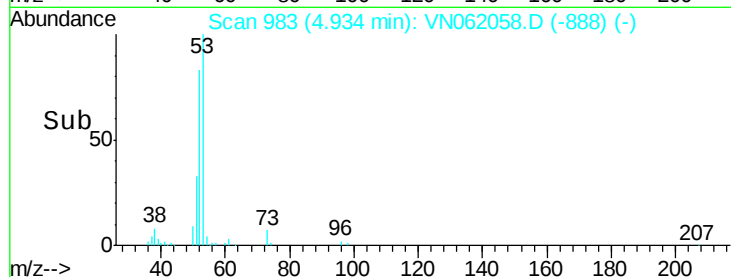
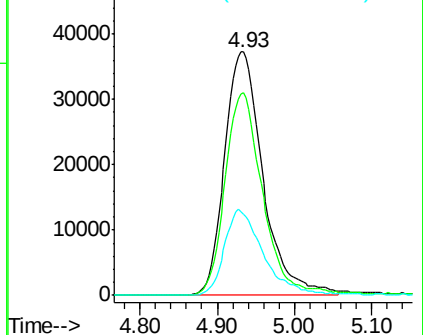
51 35.6 28.9 43.3



Abundance Ion 53.00 (52.70 to 53.70): VN062059.D (-959) (-)

Ion 52.00 (51.70 to 52.70): VN062059.D (-959) (-)

Ion 51.00 (50.70 to 51.70): VN062059.D (-959) (-)



#16

Acetone

Concen: 113.389 ug/l

RT: 3.78 min Scan# 623

Delta R.T. 0.00 min

Lab File: VN062058.D

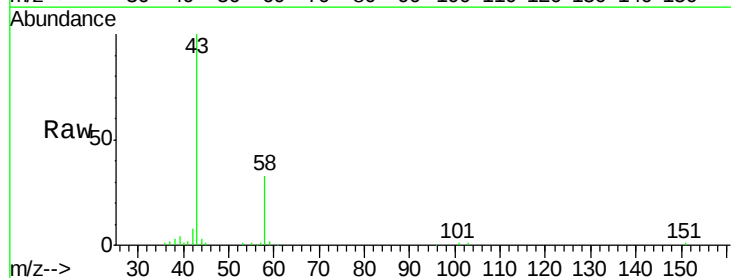
Acq: 24 Jun 2020 10:30

Tgt Ion: 43 Resp: 116988

Ion Ratio Lower Upper

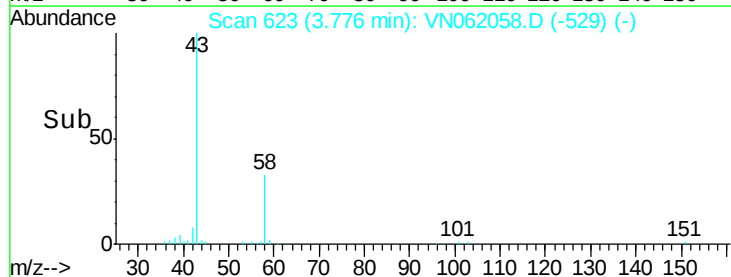
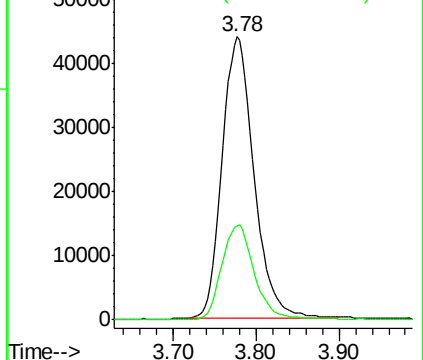
43 100

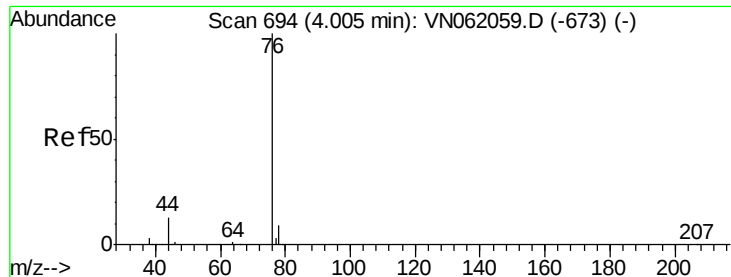
58 33.4 27.5 41.3



Abundance Ion 43.00 (42.70 to 43.70): VN062059.D (-602) (-)

Ion 58.00 (57.70 to 58.70): VN062059.D (-602) (-)

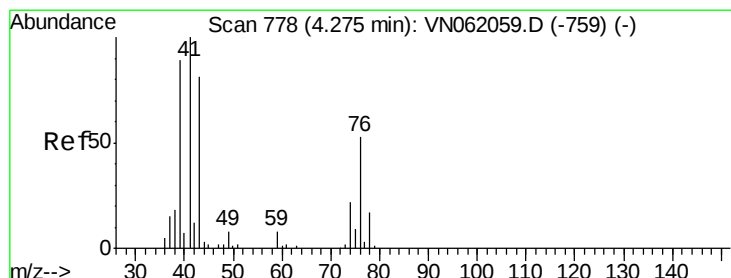
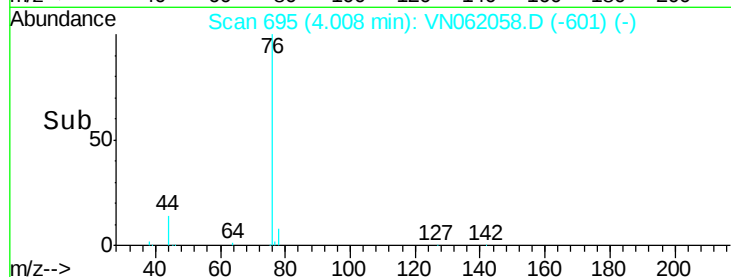
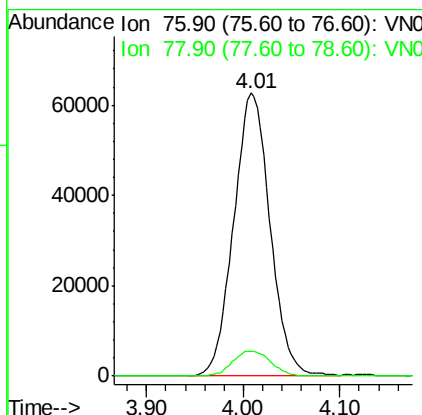
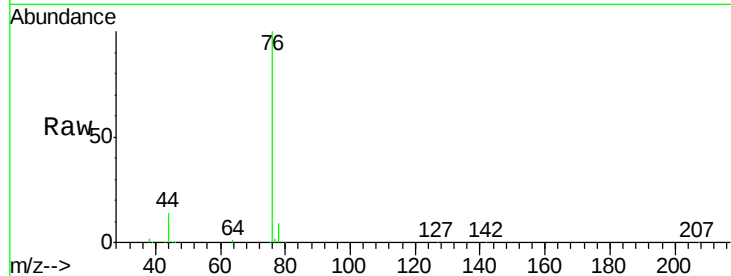




#17
Carbon Disulfide
Concen: 21.689 ug/l
RT: 4.01 min Scan# 695
Delta R.T. 0.00 min
Lab File: VN062058.D
Acq: 24 Jun 2020 10:30

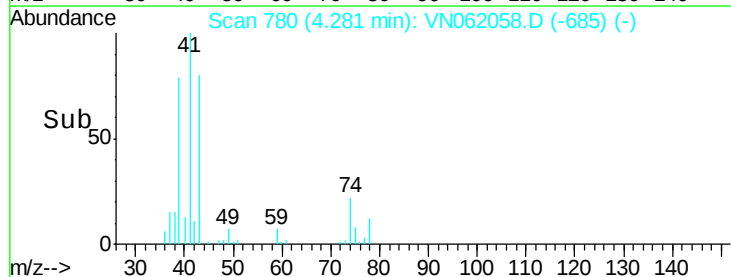
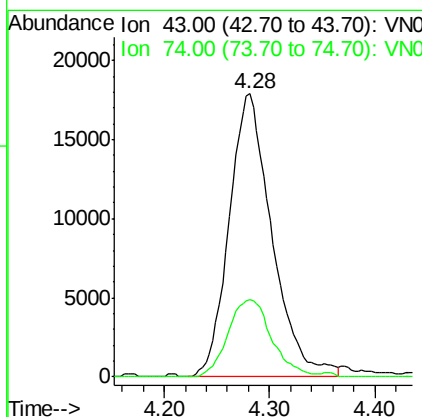
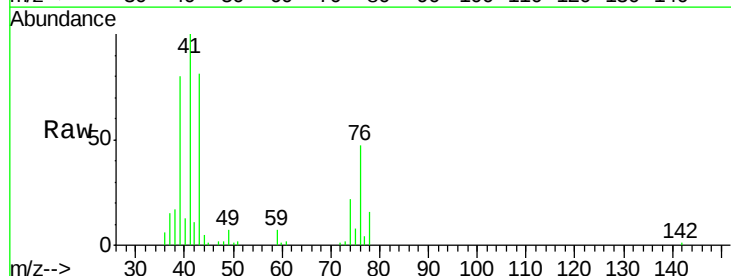
Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

Tgt Ion: 76 Resp: 163960
Ion Ratio Lower Upper
76 100
78 9.0 7.2 10.8



#18
Methyl Acetate
Concen: 17.886 ug/l
RT: 4.28 min Scan# 780
Delta R.T. 0.01 min
Lab File: VN062058.D
Acq: 24 Jun 2020 10:30

Tgt Ion: 43 Resp: 50419
Ion Ratio Lower Upper
43 100
74 27.8 22.9 34.3

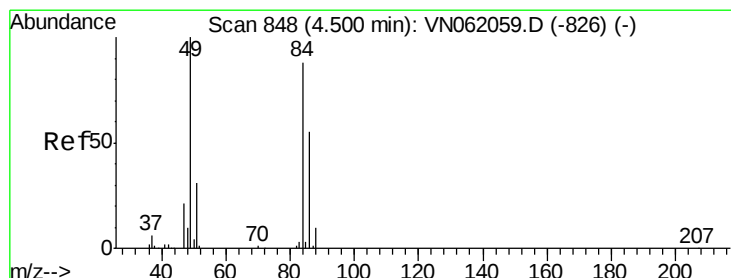
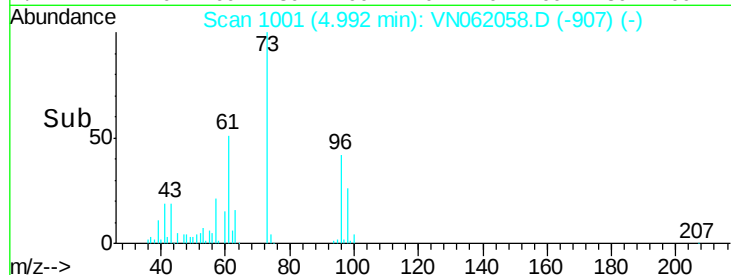
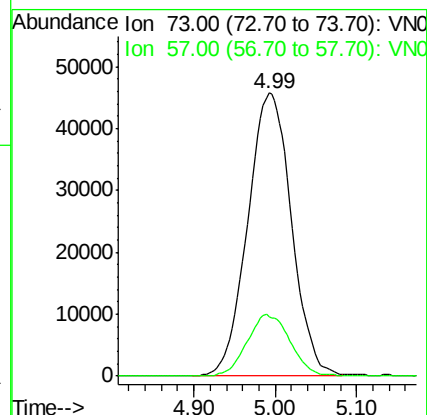
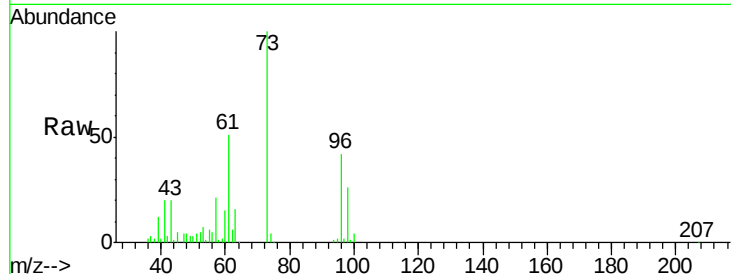




#19
Methyl tert-butyl Ether
Concen: 19.866 ug/l
RT: 4.99 min Scan# 1001
Delta R.T. 0.00 min
Lab File: VN062058.D
Acq: 24 Jun 2020 10:30

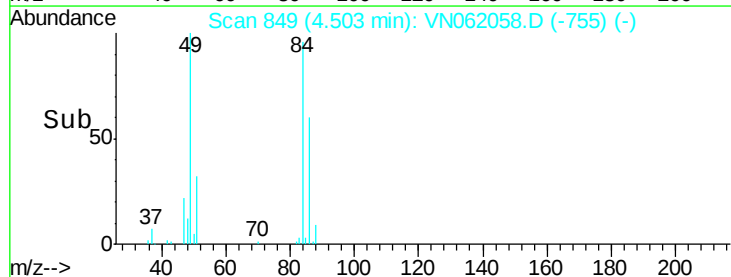
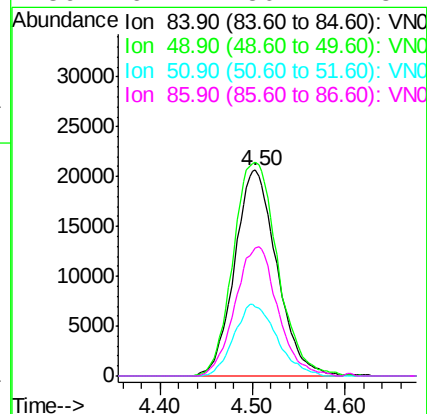
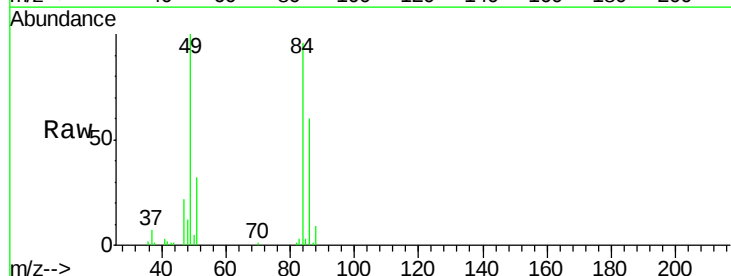
Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

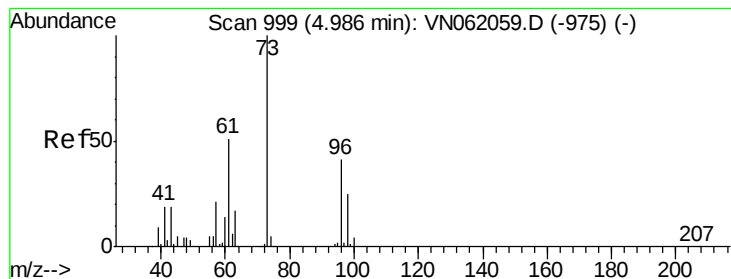
Tgt Ion: 73 Resp: 169988
Ion Ratio Lower Upper
73 100
57 21.1 16.6 24.8



#20
Methylene Chloride
Concen: 19.885 ug/l
RT: 4.50 min Scan# 849
Delta R.T. 0.00 min
Lab File: VN062058.D
Acq: 24 Jun 2020 10:30

Tgt Ion: 84 Resp: 65124
Ion Ratio Lower Upper
84 100
49 103.9 90.6 136.0
51 33.6 27.8 41.8
86 62.1 50.1 75.1





#21

trans-1,2-Dichloroethene

Concen: 20.682 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN062058.D

Acq: 24 Jun 2020 10:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

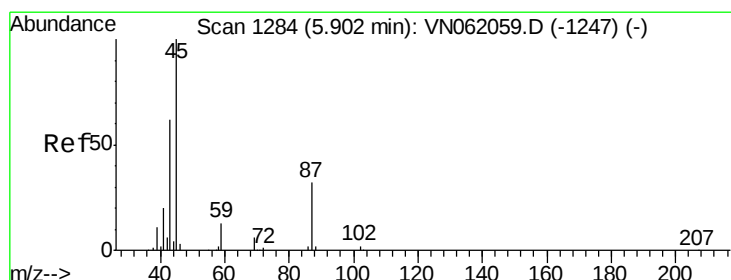
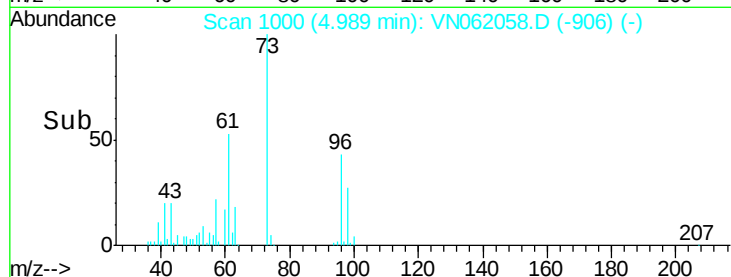
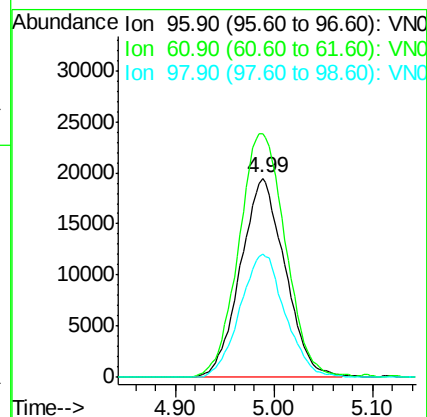
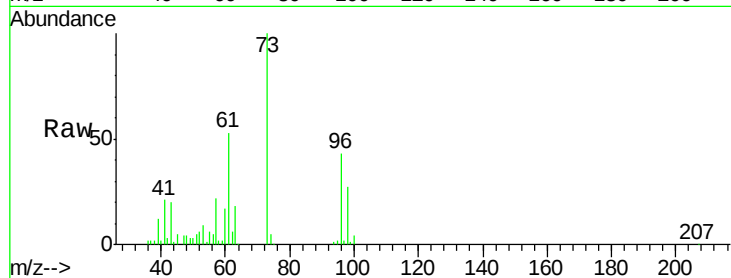
Tgt Ion: 96 Resp: 60993

Ion Ratio Lower Upper

96 100

61 122.2 101.4 152.2

98 61.7 49.3 73.9



#22

Diisopropyl ether

Concen: 20.750 ug/l

RT: 5.90 min Scan# 1285

Delta R.T. 0.00 min

Lab File: VN062058.D

Acq: 24 Jun 2020 10:30

Tgt Ion: 45 Resp: 163588

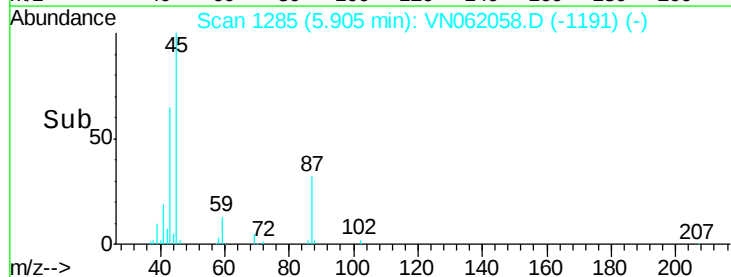
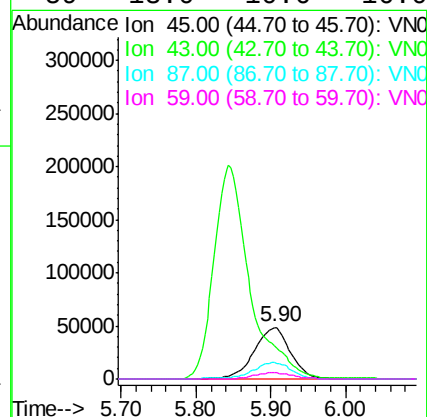
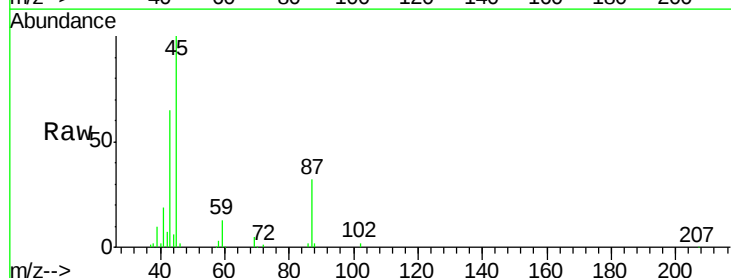
Ion Ratio Lower Upper

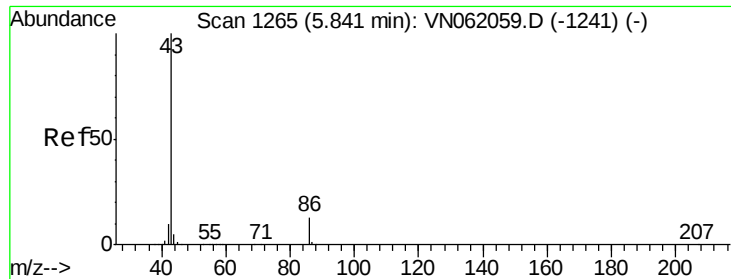
45 100

43 62.5 49.7 74.5

87 32.2 25.9 38.9

59 13.0 10.6 16.0

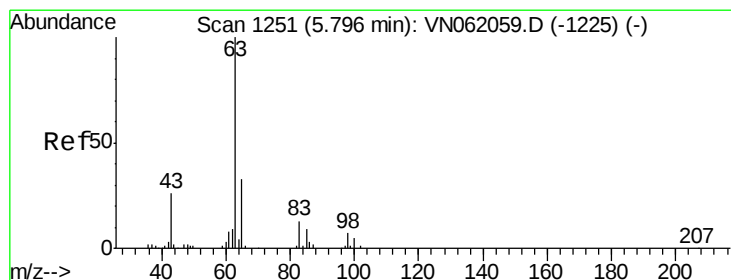
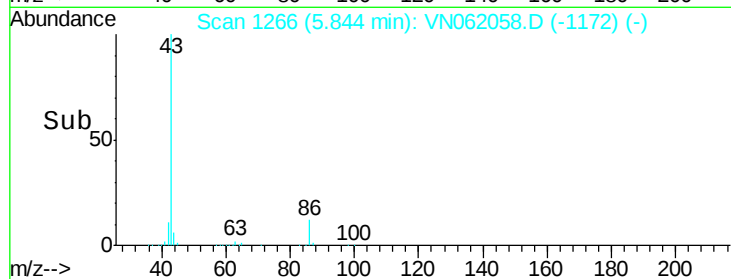
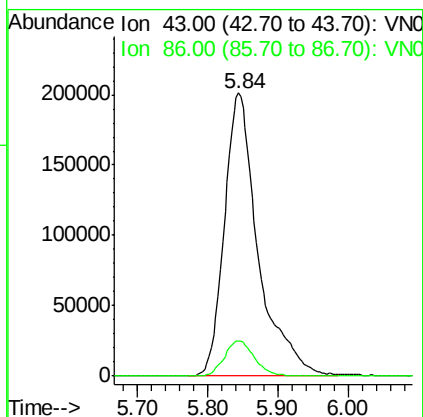
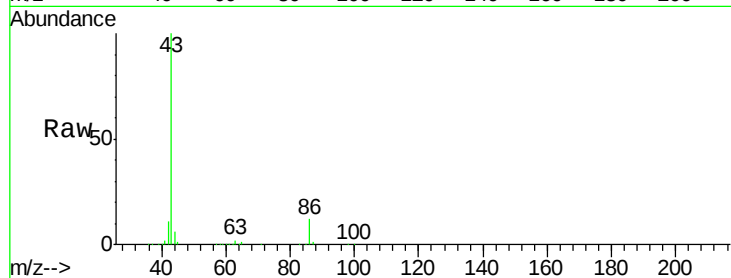




#23
 Vinyl Acetate
 Concen: 107.411 ug/l
 RT: 5.84 min Scan# 1266
 Delta R.T. 0.00 min
 Lab File: VN062058.D
 Acq: 24 Jun 2020 10:30

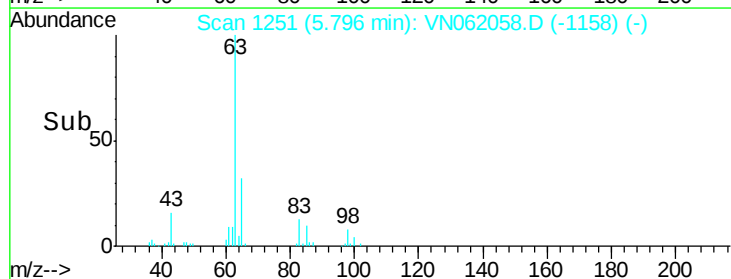
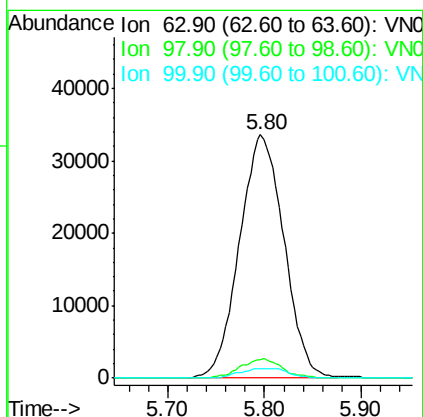
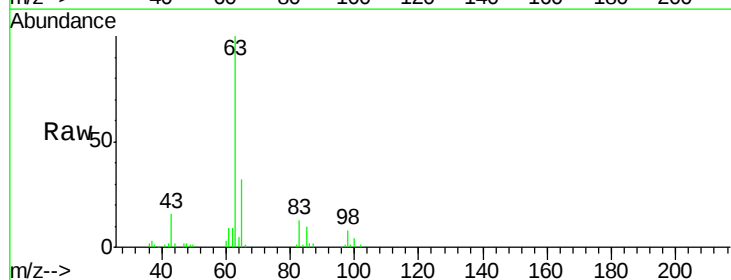
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

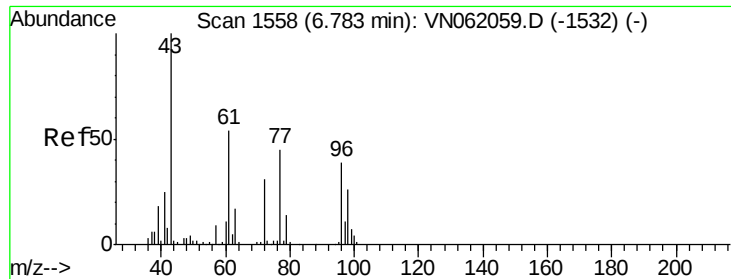
Tgt Ion: 43 Resp: 673286
 Ion Ratio Lower Upper
 43 100
 86 12.3 10.1 15.1



#24
 1,1-Dichloroethane
 Concen: 20.901 ug/l
 RT: 5.80 min Scan# 1251
 Delta R.T. -0.00 min
 Lab File: VN062058.D
 Acq: 24 Jun 2020 10:30

Tgt Ion: 63 Resp: 107291
 Ion Ratio Lower Upper
 63 100
 98 7.5 3.6 10.9
 100 3.8 2.4 7.1

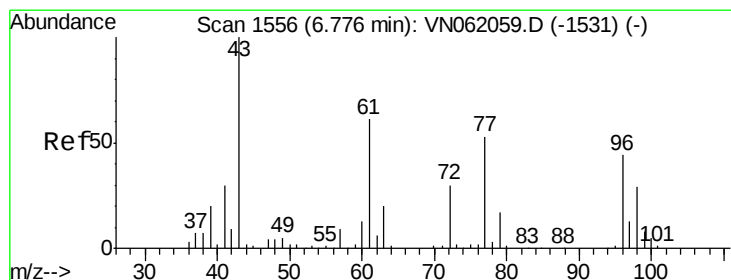
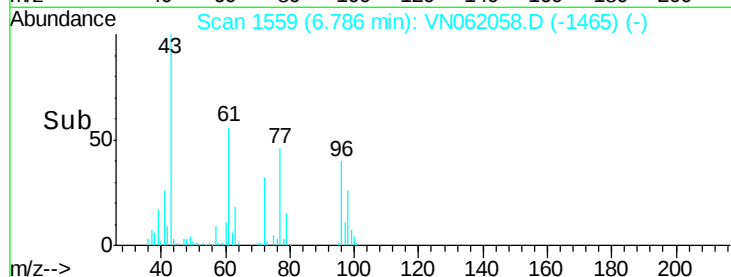
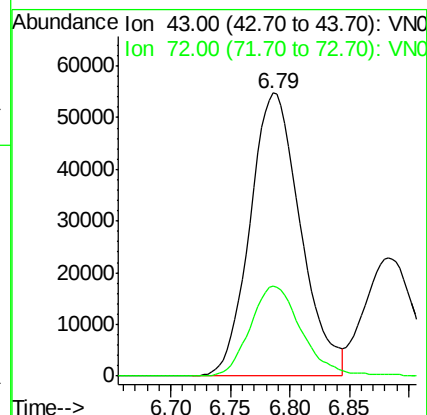
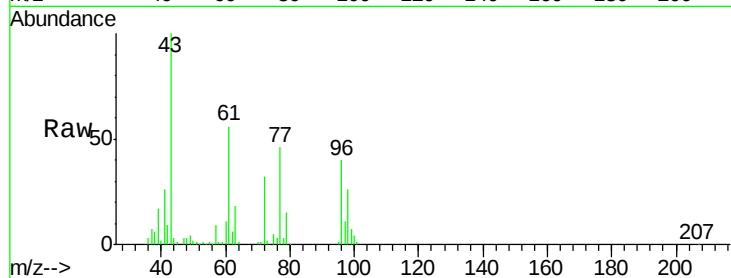




#25
2-Butanone
Concen: 108.143 ug/l
RT: 6.79 min Scan# 1559
Delta R.T. 0.00 min
Lab File: VN062058.D
Acq: 24 Jun 2020 10:30

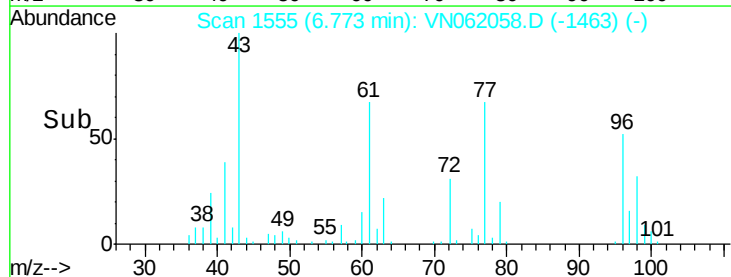
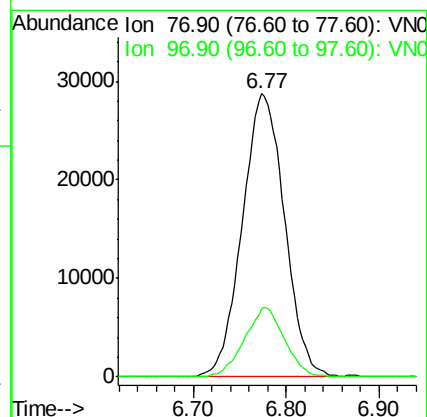
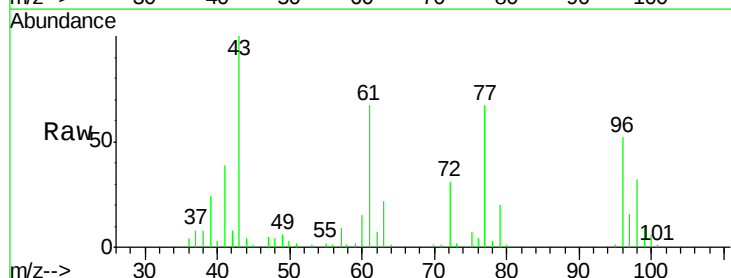
Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

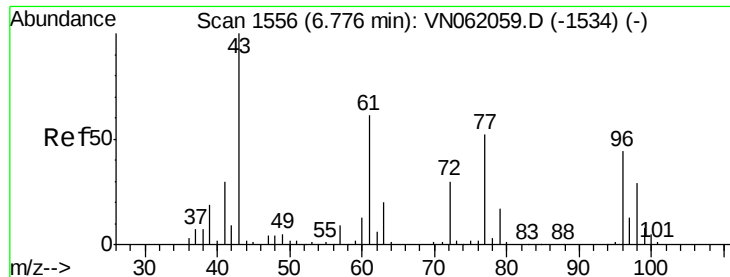
Tgt Ion: 43 Resp: 161103
Ion Ratio Lower Upper
43 100
72 31.8 24.8 37.2



#26
2,2-Dichloropropane
Concen: 20.924 ug/l
RT: 6.77 min Scan# 1555
Delta R.T. -0.00 min
Lab File: VN062058.D
Acq: 24 Jun 2020 10:30

Tgt Ion: 77 Resp: 90842
Ion Ratio Lower Upper
77 100
97 23.2 11.8 35.3





#27

cis-1,2-Dichloroethene

Concen: 19.866 ug/l

RT: 6.78 min Scan# 1556

Delta R.T. -0.00 min

Lab File: VN062058.D

Acq: 24 Jun 2020 10:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

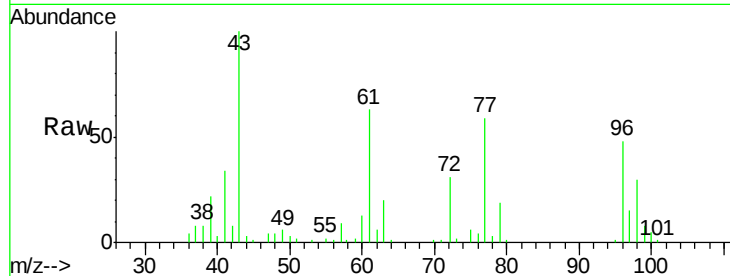
Tgt Ion: 96 Resp: 67490

Ion Ratio Lower Upper

96 100

61 136.5 0.0 280.4

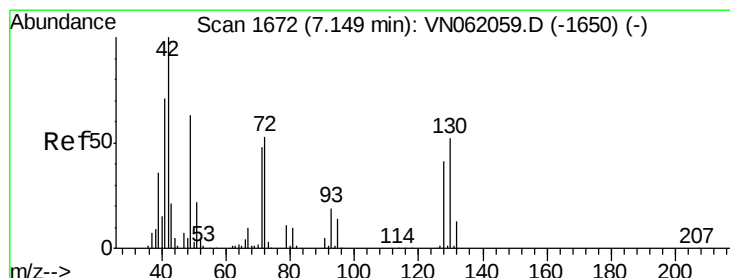
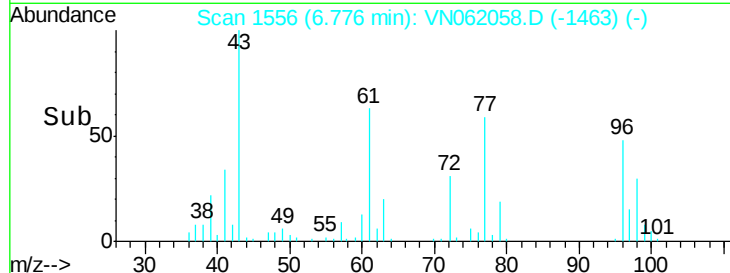
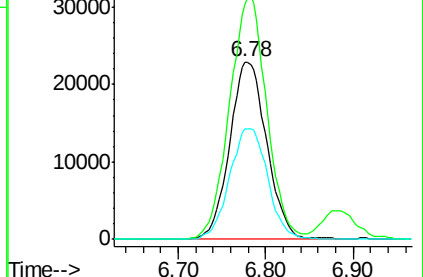
98 64.0 0.0 129.4



Abundance Ion 95.90 (95.60 to 96.60): VN062058.D (-1534) (-)

Ion 60.90 (60.60 to 61.60): VN062058.D (-1534) (-)

Ion 97.90 (97.60 to 98.60): VN062058.D (-1534) (-)



#28

Bromochloromethane

Concen: 19.423 ug/l

RT: 7.15 min Scan# 1671

Delta R.T. -0.00 min

Lab File: VN062058.D

Acq: 24 Jun 2020 10:30

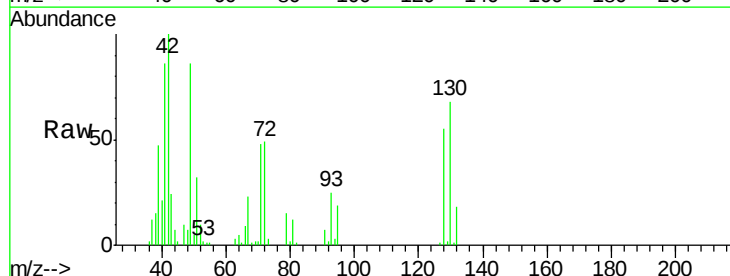
Tgt Ion: 49 Resp: 44558

Ion Ratio Lower Upper

49 100

129 1.0 0.0 4.4

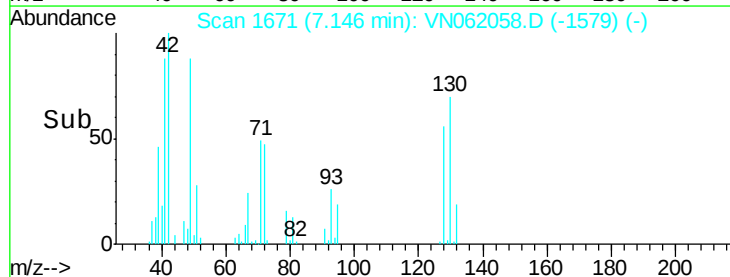
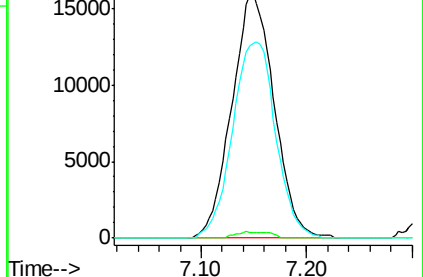
130 81.5 65.5 98.3



Abundance Ion 48.90 (48.60 to 49.60): VN062058.D (-1650) (-)

Ion 128.80 (128.50 to 129.50): VN062058.D (-1650) (-)

Ion 129.80 (129.50 to 130.50): VN062058.D (-1650) (-)

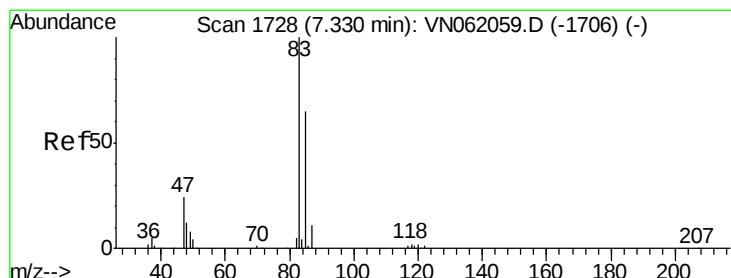
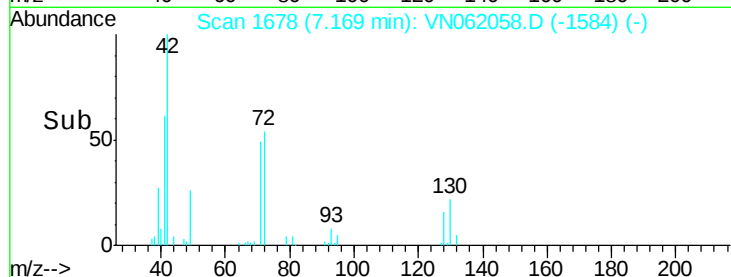
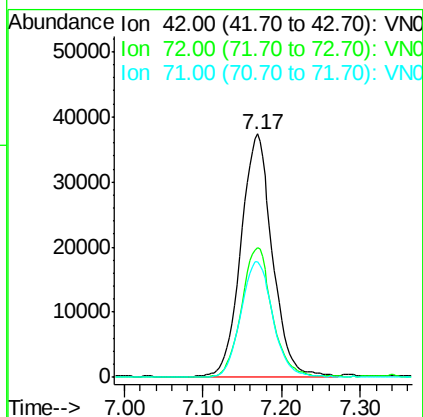
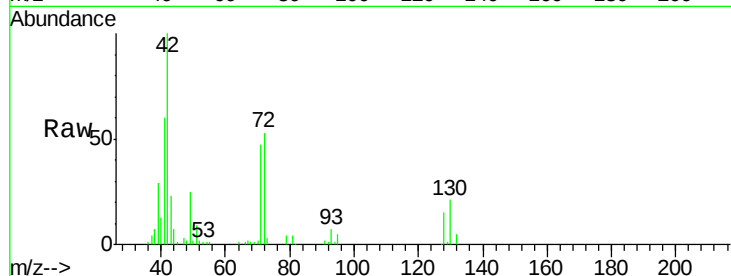




#29
Tetrahydrofuran
Concen: 107.897 ug/l
RT: 7.17 min Scan# 1678
Delta R.T. 0.00 min
Lab File: VN062058.D
Acq: 24 Jun 2020 10:30

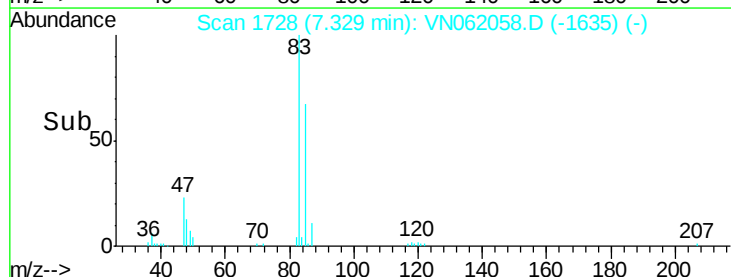
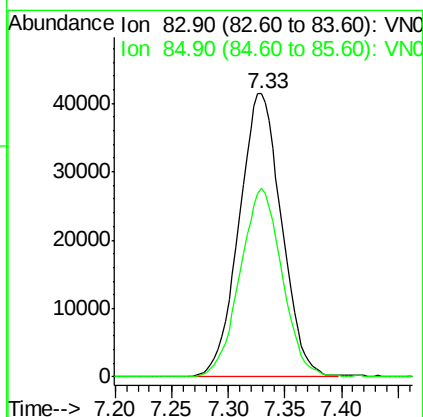
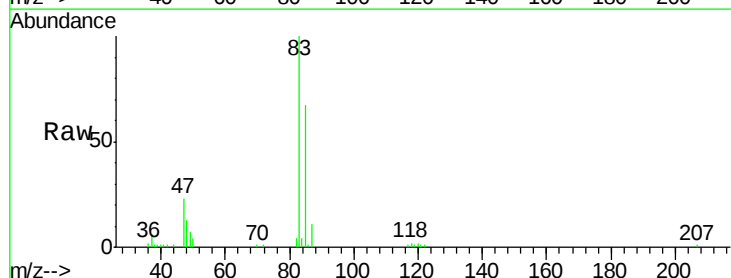
Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

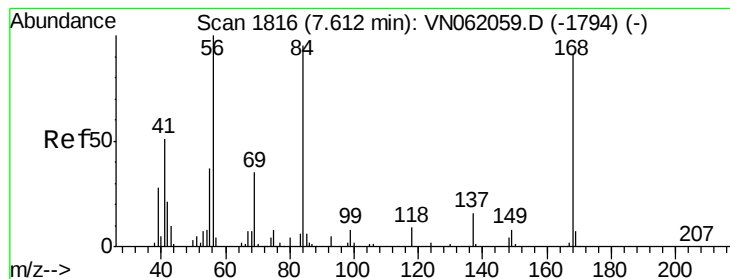
Tgt Ion: 42 Resp: 105956
Ion Ratio Lower Upper
42 100
72 51.7 41.1 61.7
71 48.0 38.2 57.4



#30
Chloroform
Concen: 19.826 ug/l
RT: 7.33 min Scan# 1728
Delta R.T. -0.00 min
Lab File: VN062058.D
Acq: 24 Jun 2020 10:30

Tgt Ion: 83 Resp: 108113
Ion Ratio Lower Upper
83 100
85 66.8 52.3 78.5





#31

Cyclohexane

Concen: 19.927 ug/l

RT: 7.62 min Scan# 1817

Delta R.T. 0.00 min

Lab File: VN062058.D

Acq: 24 Jun 2020 10:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

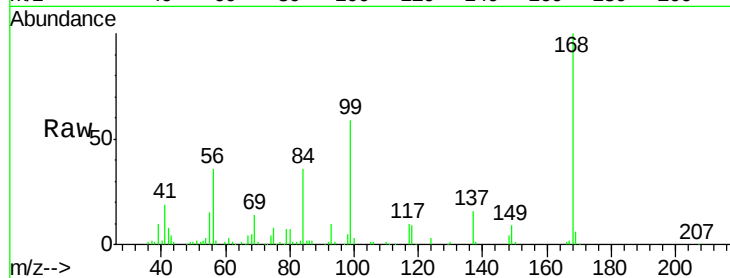
Tgt Ion: 56 Resp: 89683

Ion Ratio Lower Upper

56 100

69 39.1 28.0 42.0

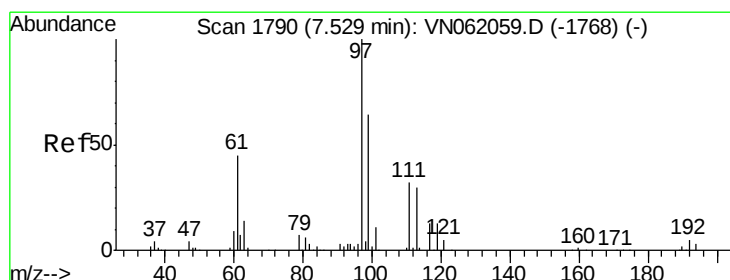
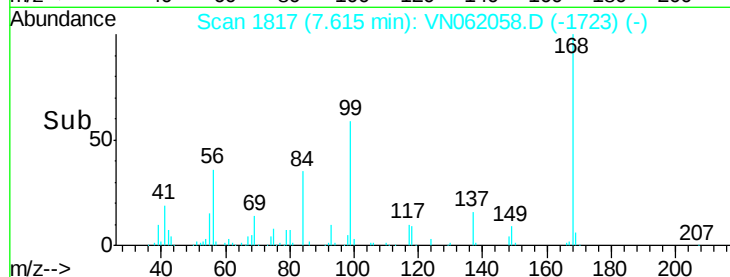
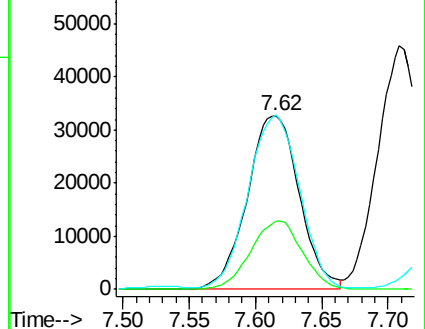
84 99.5 76.1 114.1



Abundance Ion 56.00 (55.70 to 56.70): VN062058.D (-1794) (-)

Ion 69.00 (68.70 to 69.70): VN062058.D (-1794) (-)

Ion 84.00 (83.70 to 84.70): VN062058.D (-1794) (-)



#32

1,1,1-Trichloroethane

Concen: 20.053 ug/l

RT: 7.53 min Scan# 1790

Delta R.T. -0.00 min

Lab File: VN062058.D

Acq: 24 Jun 2020 10:30

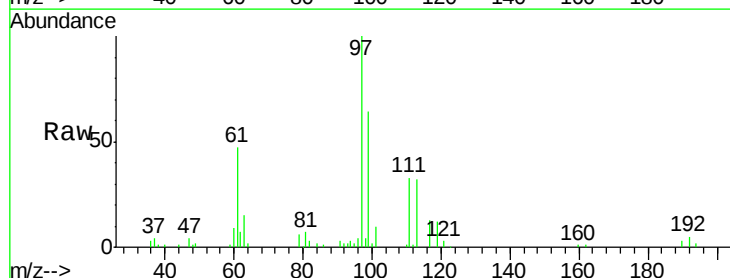
Tgt Ion: 97 Resp: 92992

Ion Ratio Lower Upper

97 100

99 63.1 51.0 76.4

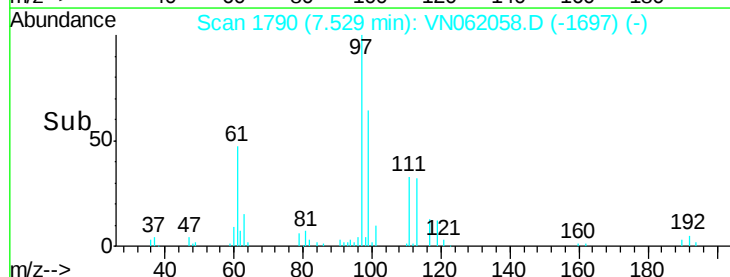
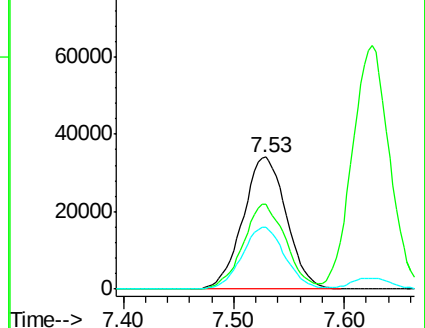
61 46.2 36.2 54.2

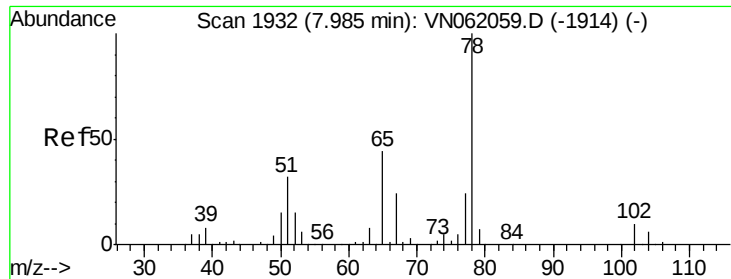


Abundance Ion 96.90 (96.60 to 97.60): VN062058.D (-1697) (-)

Ion 98.90 (98.60 to 99.60): VN062058.D (-1697) (-)

Ion 60.90 (60.60 to 61.60): VN062058.D (-1697) (-)





#33

1,2-Dichloroethane-d4

Concen: 19.954 ug/l

RT: 7.99 min Scan# 1932

Delta R.T. -0.00 min

Lab File: VN062058.D

Acq: 24 Jun 2020 10:30

Instrument :

MSVOA_N

ClientSampleId :

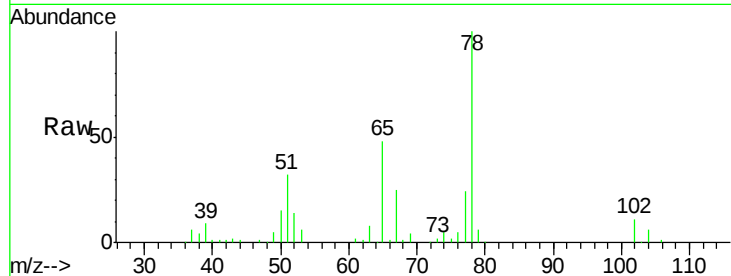
VSTDIC020

Tgt Ion: 65 Resp: 67316

Ion Ratio Lower Upper

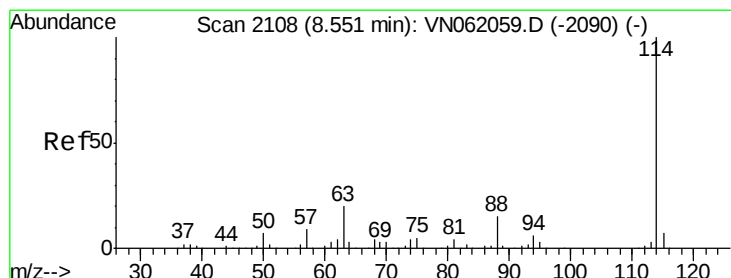
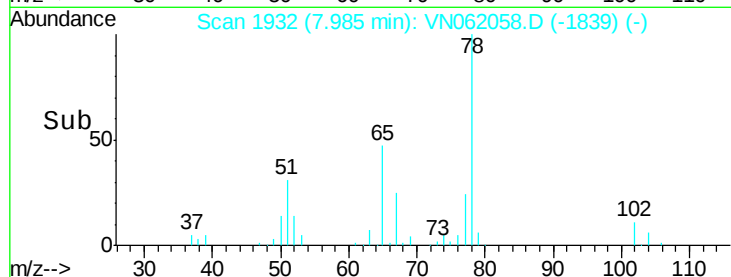
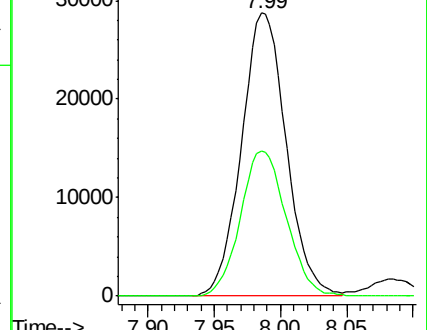
65 100

67 52.4 0.0 106.2



Abundance Ion 64.90 (64.60 to 65.60): VN062058.D (-1839) (-)

Ion 66.90 (66.60 to 67.60): VN062058.D (-1839) (-)



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2108

Delta R.T. -0.00 min

Lab File: VN062058.D

Acq: 24 Jun 2020 10:30

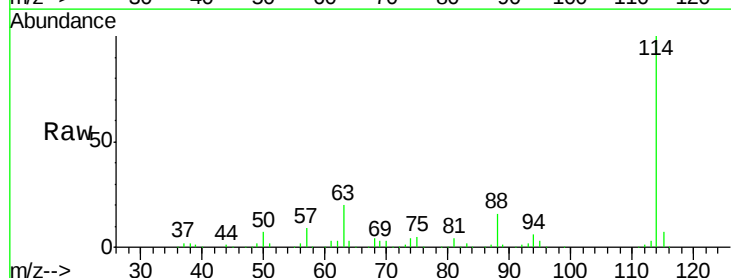
Tgt Ion: 114 Resp: 438741

Ion Ratio Lower Upper

114 100

63 20.3 0.0 39.2

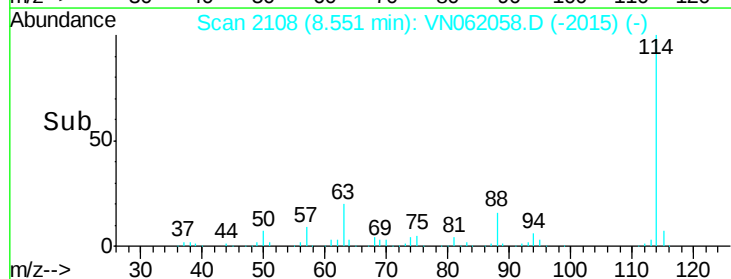
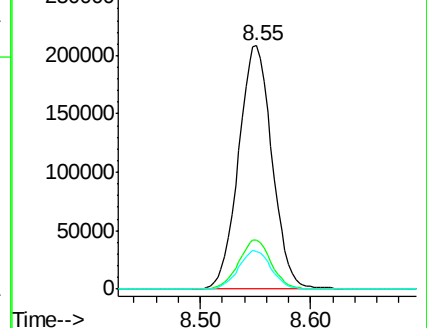
88 15.7 0.0 30.8



Abundance Ion 113.90 (113.60 to 114.60): VN062058.D (-2015) (-)

Ion 63.00 (62.70 to 63.70): VN062058.D (-2015) (-)

Ion 87.90 (87.60 to 88.60): VN062058.D (-2015) (-)

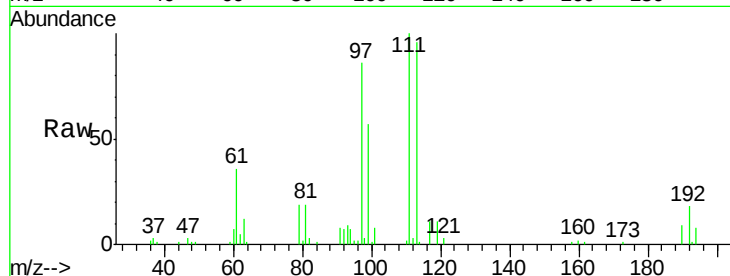




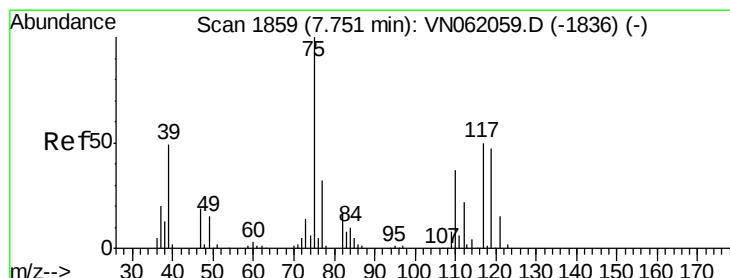
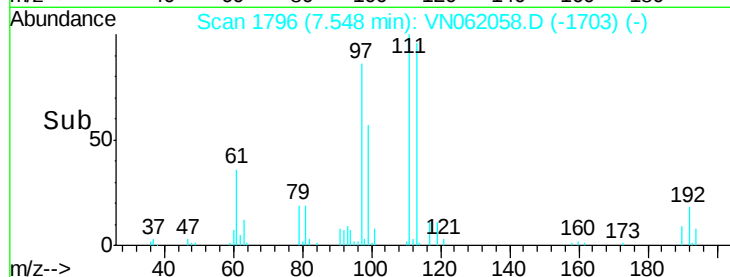
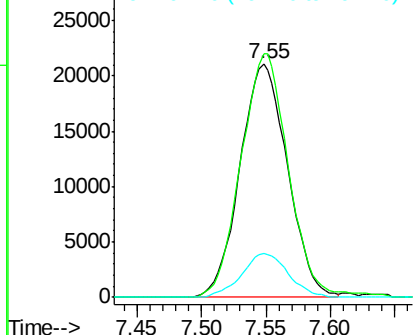
#35
 Dibromofluoromethane
 Concen: 19.404 ug/l
 RT: 7.55 min Scan# 1796
 Delta R.T. -0.00 min
 Lab File: VN062058.D
 Acq: 24 Jun 2020 10:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tgt Ion: 113 Resp: 54028
 Ion Ratio Lower Upper
 113 100
 111 103.2 82.2 123.4
 192 18.4 14.0 21.0

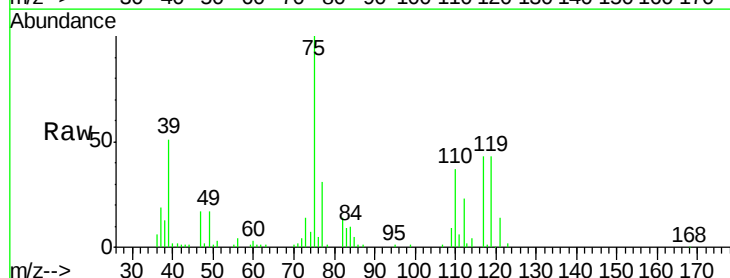


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

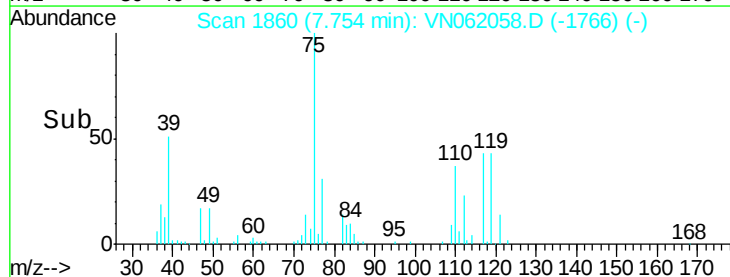
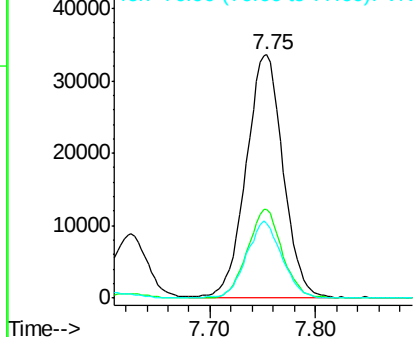


#36
 1,1-Dichloropropene
 Concen: 20.513 ug/l
 RT: 7.75 min Scan# 1860
 Delta R.T. 0.00 min
 Lab File: VN062058.D
 Acq: 24 Jun 2020 10:30

Tgt Ion: 75 Resp: 82271
 Ion Ratio Lower Upper
 75 100
 110 34.3 17.9 53.8
 77 30.0 24.9 37.3



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

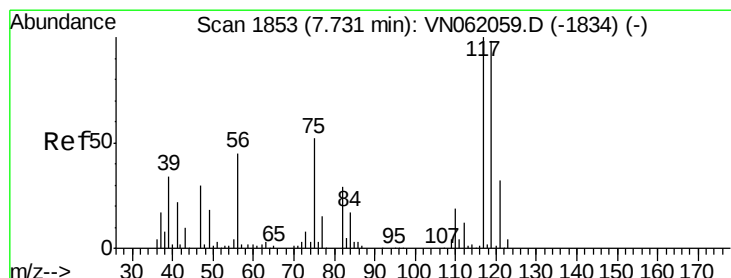
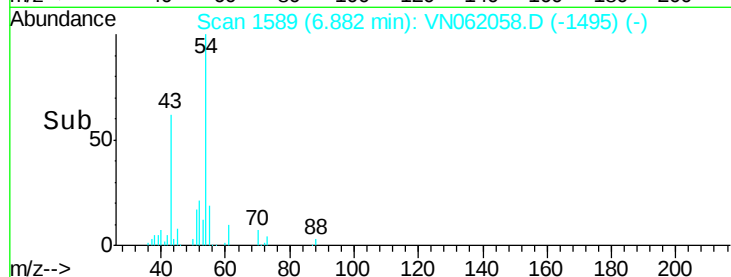
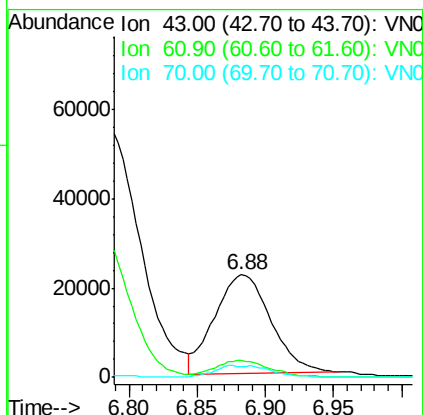
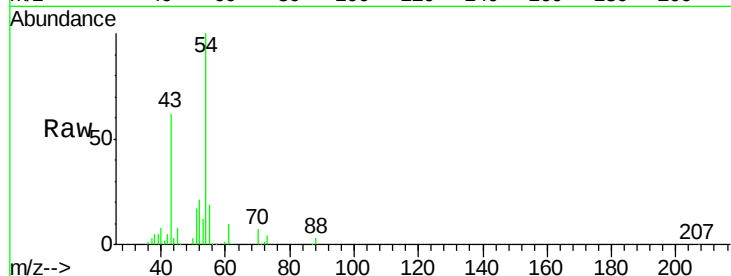




#37
 Ethyl Acetate
 Concen: 19.945 ug/l
 RT: 6.88 min Scan# 1589
 Delta R.T. 0.00 min
 Lab File: VN062058.D
 Acq: 24 Jun 2020 10:30

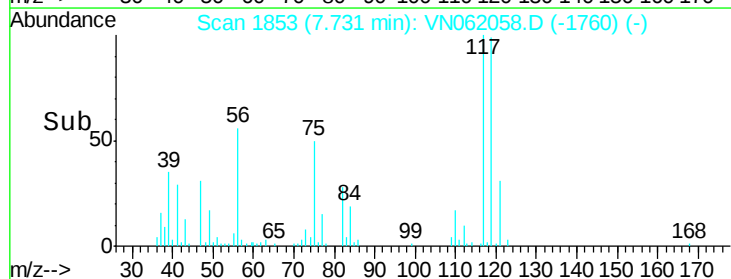
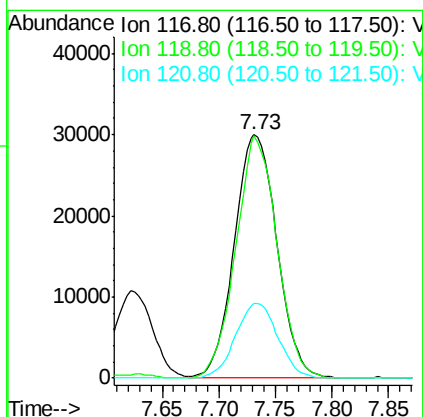
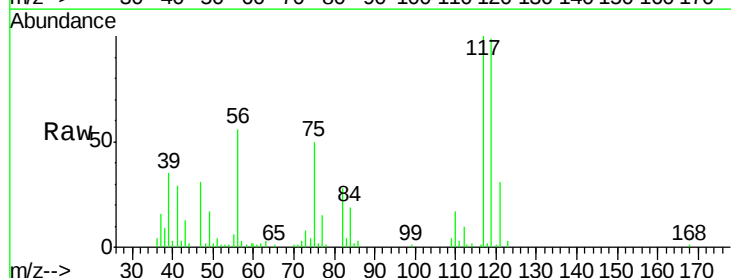
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tgt Ion: 43 Resp: 63372
 Ion Ratio Lower Upper
 43 100
 61 16.9 12.0 18.0
 70 5.9 9.6 14.4#



#38
 Carbon Tetrachloride
 Concen: 19.944 ug/l
 RT: 7.73 min Scan# 1853
 Delta R.T. -0.00 min
 Lab File: VN062058.D
 Acq: 24 Jun 2020 10:30

Tgt Ion: 117 Resp: 78775
 Ion Ratio Lower Upper
 117 100
 119 99.4 78.2 117.2
 121 30.5 25.8 38.6

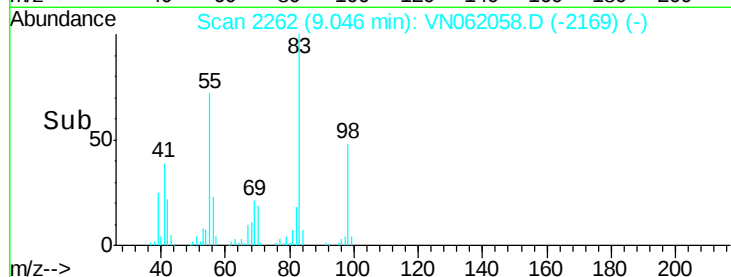
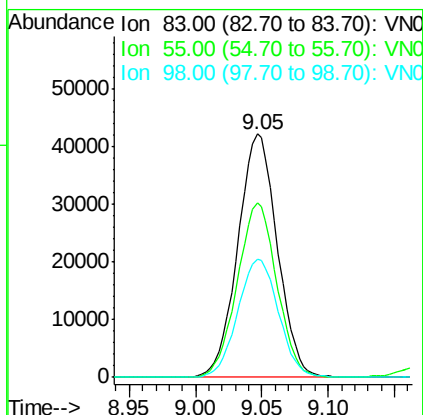
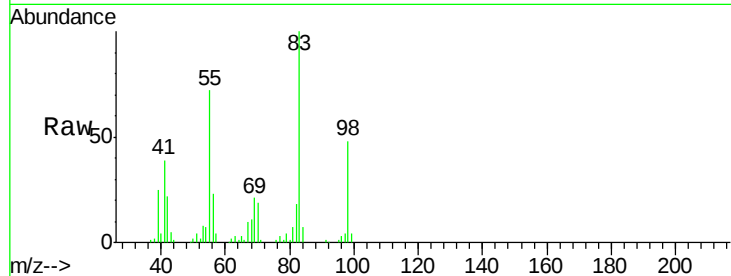




#39
Methylcyclohexane
Concen: 20.219 ug/l
RT: 9.05 min Scan# 2262
Delta R.T. -0.00 min
Lab File: VN062058.D
Acq: 24 Jun 2020 10:30

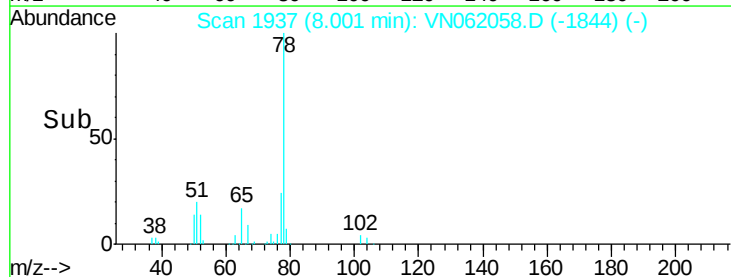
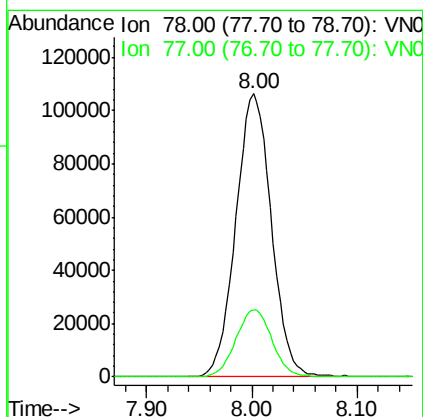
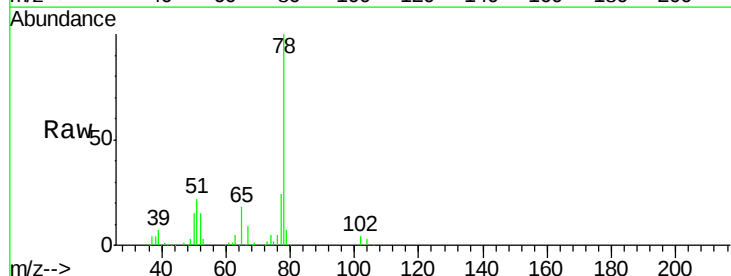
Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

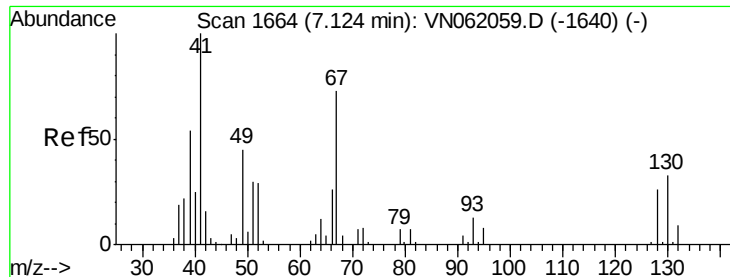
Tgt Ion: 83 Resp: 87363
Ion Ratio Lower Upper
83 100
55 71.7 57.0 85.6
98 48.4 39.0 58.6



#40
Benzene
Concen: 20.419 ug/l
RT: 8.00 min Scan# 1937
Delta R.T. -0.00 min
Lab File: VN062058.D
Acq: 24 Jun 2020 10:30

Tgt Ion: 78 Resp: 249281
Ion Ratio Lower Upper
78 100
77 23.7 19.5 29.3





#41

Methacrylonitrile

Concen: 70.266 ug/l

RT: 7.16 min Scan# 1676

Delta R.T. 0.04 min

Lab File: VN062058.D

Acq: 24 Jun 2020 10:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tgt Ion: 41 Resp: 97282

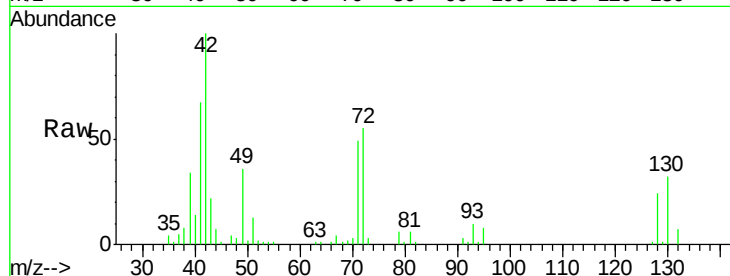
Ion Ratio Lower Upper

41 100

39 53.1 44.2 66.2

67 0.0 79.5 119.3#

52 0.0 32.3 48.5#

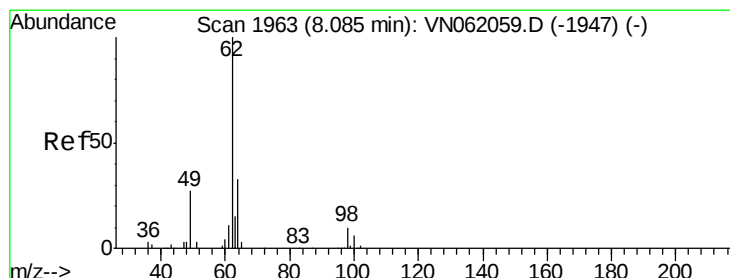
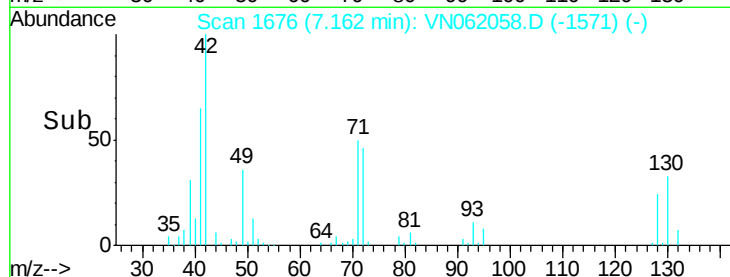
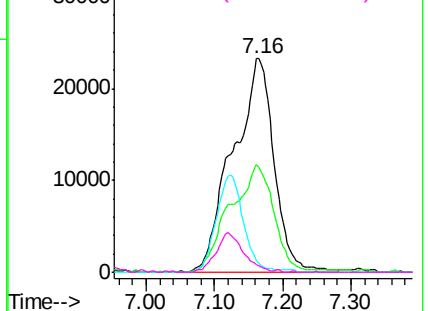


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 67.00 (66.70 to 67.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



#42

1,2-Dichloroethane

Concen: 20.962 ug/l

RT: 8.08 min Scan# 1963

Delta R.T. -0.00 min

Lab File: VN062058.D

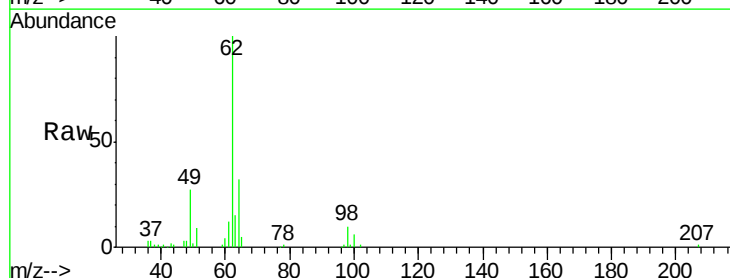
Acq: 24 Jun 2020 10:30

Tgt Ion: 62 Resp: 87169

Ion Ratio Lower Upper

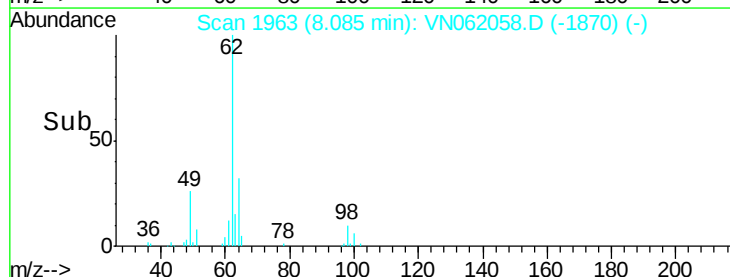
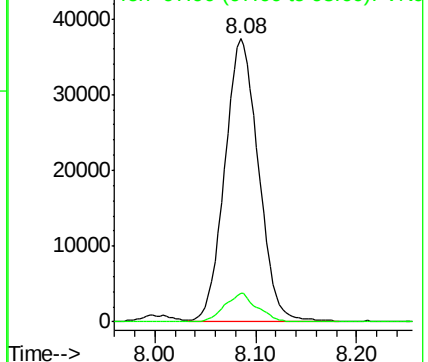
62 100

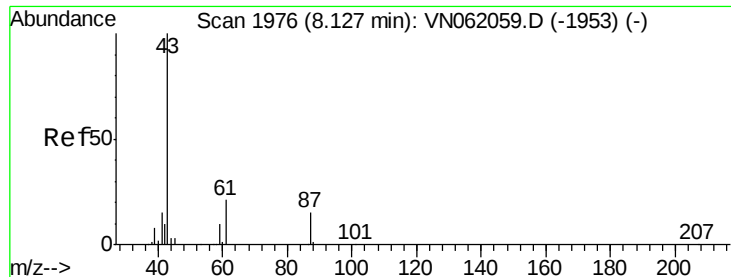
98 9.5 0.0 19.8



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

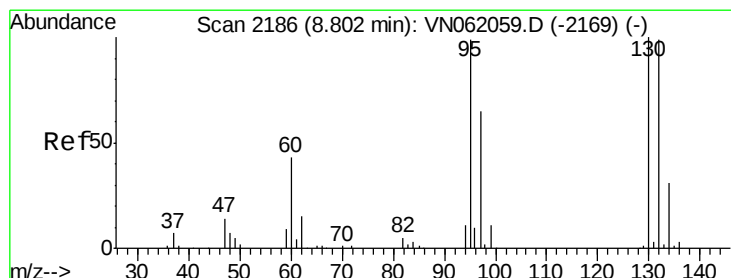
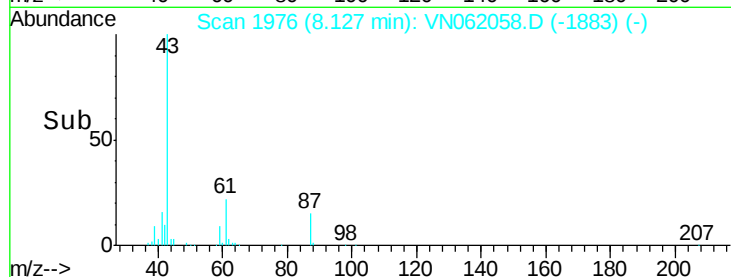
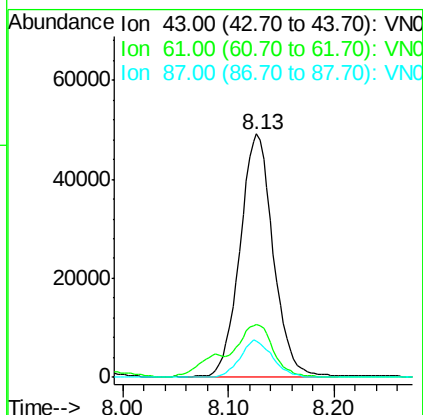
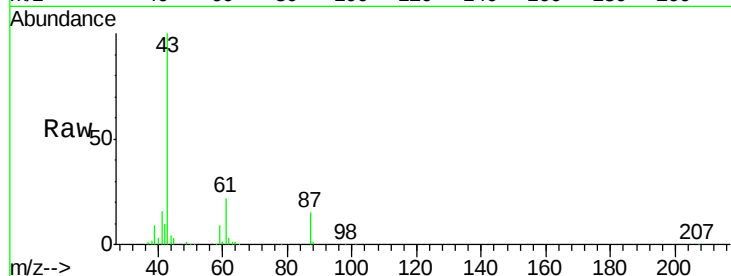




#43
Isopropyl Acetate
Concen: 20.348 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. -0.00 min
Lab File: VN062058.D
Acq: 24 Jun 2020 10:30

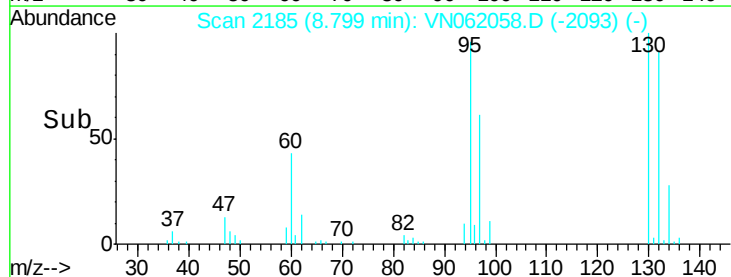
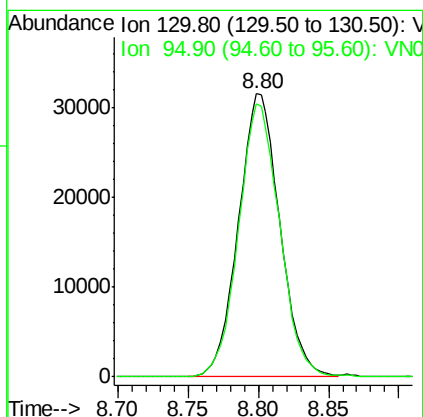
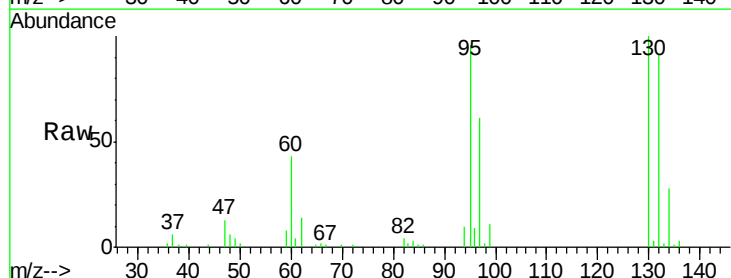
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

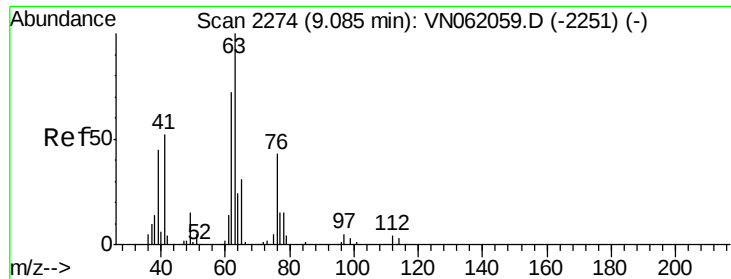
Tgt Ion: 43 Resp: 108244
Ion Ratio Lower Upper
43 100
61 22.9 17.2 25.8
87 14.8 12.1 18.1



#44
Trichloroethene
Concen: 20.313 ug/l
RT: 8.80 min Scan# 2185
Delta R.T. -0.00 min
Lab File: VN062058.D
Acq: 24 Jun 2020 10:30

Tgt Ion: 130 Resp: 64649
Ion Ratio Lower Upper
130 100
95 96.4 0.0 197.8

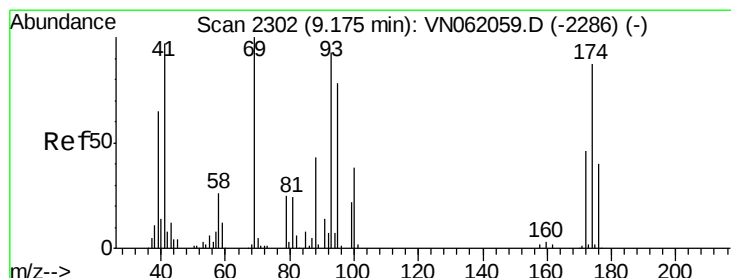
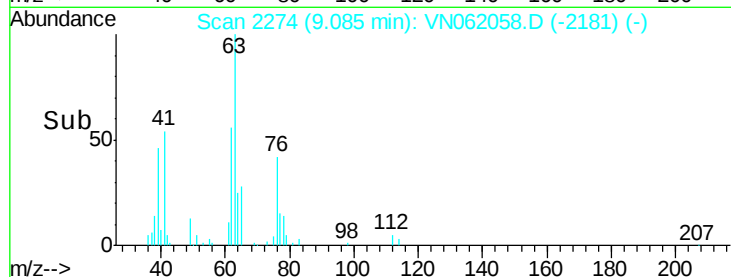
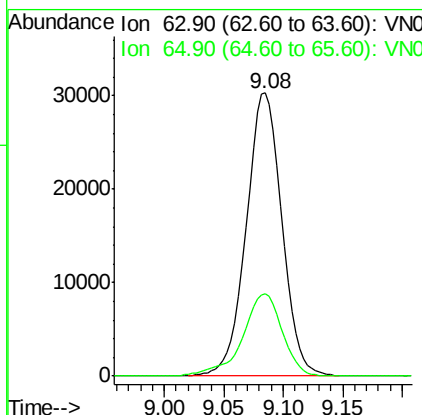
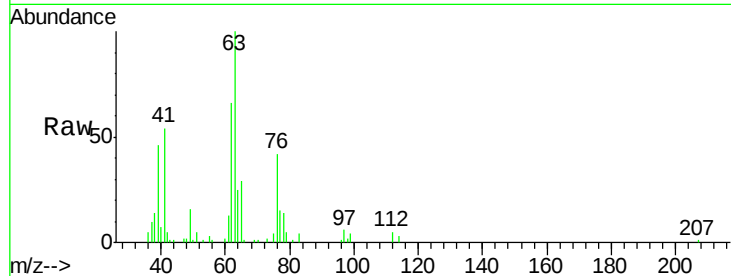




#45
 1,2-Dichloropropane
 Concen: 21.042 ug/l
 RT: 9.08 min Scan# 2274
 Delta R.T. -0.00 min
 Lab File: VN062058.D
 Acq: 24 Jun 2020 10:30

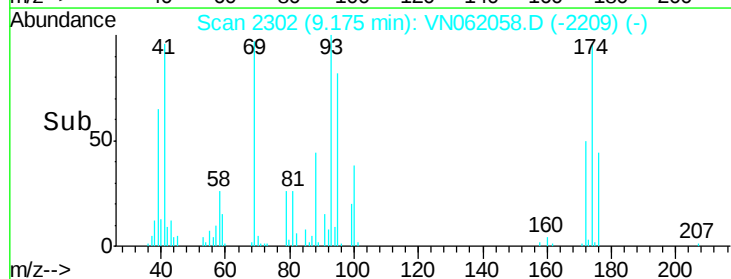
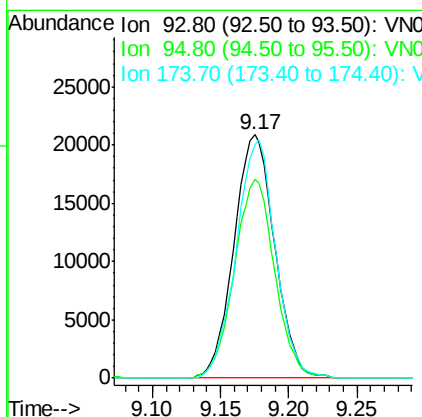
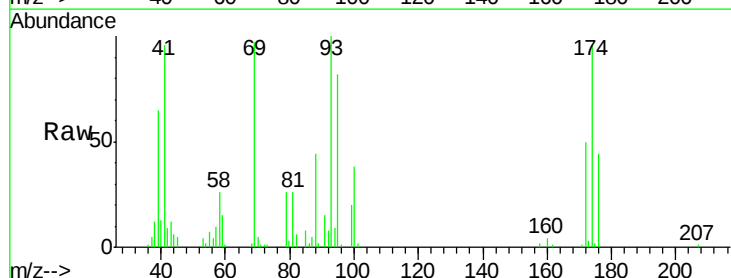
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tgt Ion: 63 Resp: 63055
 Ion Ratio Lower Upper
 63 100
 65 29.1 25.0 37.4



#46
 Dibromomethane
 Concen: 20.612 ug/l
 RT: 9.17 min Scan# 2302
 Delta R.T. -0.00 min
 Lab File: VN062058.D
 Acq: 24 Jun 2020 10:30

Tgt Ion: 93 Resp: 43236
 Ion Ratio Lower Upper
 93 100
 95 80.9 67.0 100.6
 174 94.7 74.4 111.6





#47

Bromodichloromethane

Concen: 19.674 ug/l

RT: 9.37 min Scan# 2363

Delta R.T. -0.00 min

Lab File: VN062058.D

Acq: 24 Jun 2020 10:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

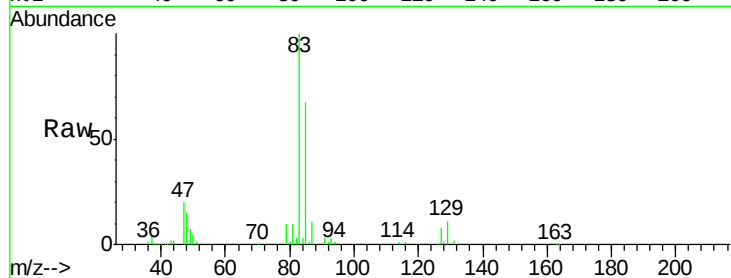
Tgt Ion: 83 Resp: 84759

Ion Ratio Lower Upper

83 100

85 67.0 50.3 75.5

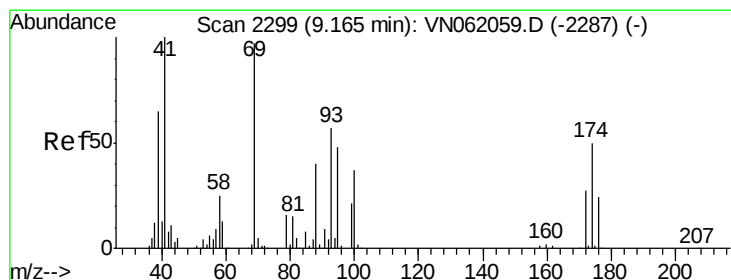
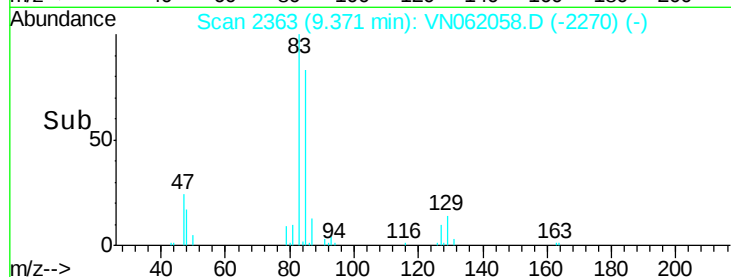
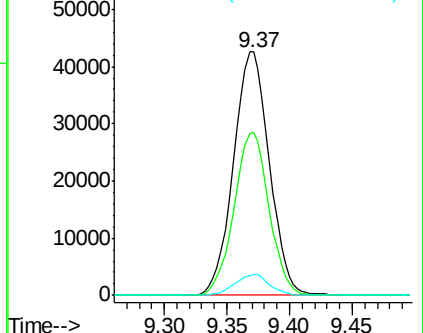
127 8.4 6.9 10.3



Abundance Ion 82.90 (82.60 to 83.60): VN062058.D (-2270) (-)

Ion 84.90 (84.60 to 85.60): VN062058.D (-2270) (-)

Ion 126.80 (126.50 to 127.50): VN062058.D (-2270) (-)



#48

Methyl methacrylate

Concen: 19.944 ug/l

RT: 9.17 min Scan# 2299

Delta R.T. -0.00 min

Lab File: VN062058.D

Acq: 24 Jun 2020 10:30

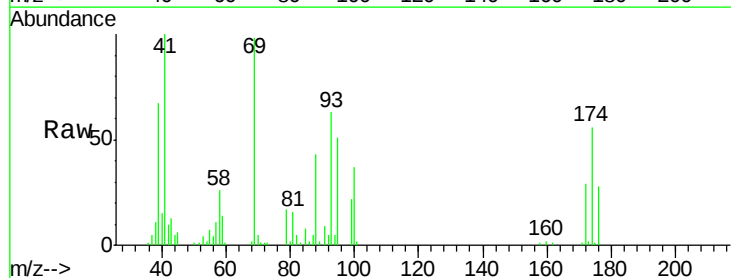
Tgt Ion: 41 Resp: 48474

Ion Ratio Lower Upper

41 100

69 101.1 80.7 121.1

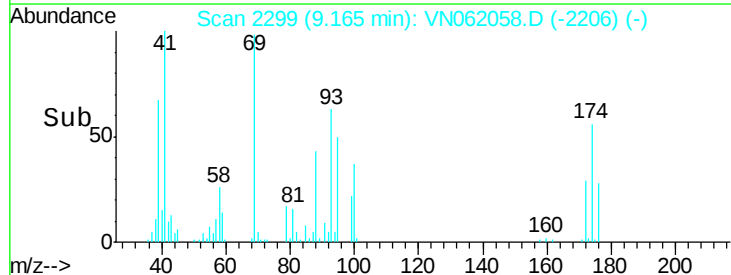
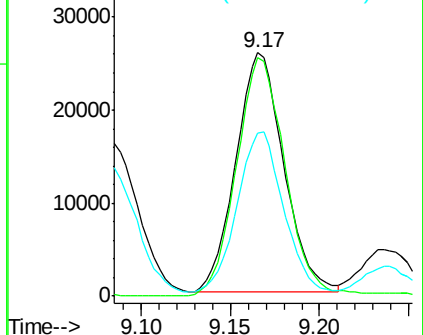
39 67.2 54.5 81.7

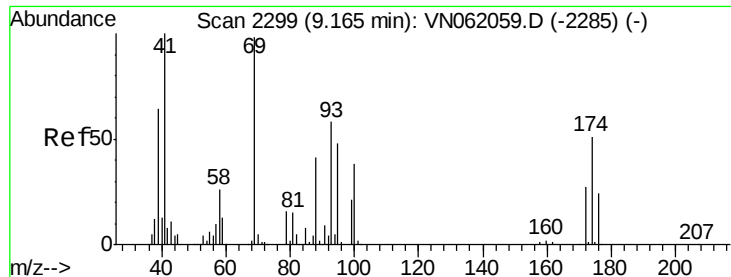


Abundance Ion 41.00 (40.70 to 41.70): VN062058.D (-2206) (-)

Ion 69.00 (68.70 to 69.70): VN062058.D (-2206) (-)

Ion 39.00 (38.70 to 39.70): VN062058.D (-2206) (-)

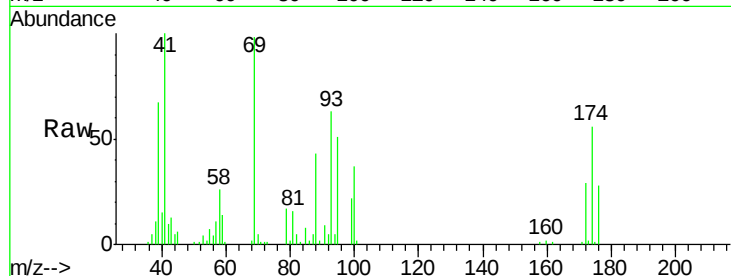




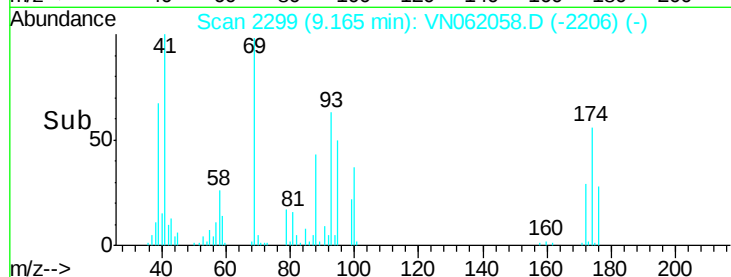
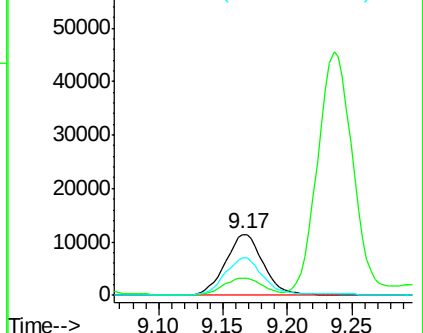
#49
 1,4-Dioxane
 Concen: 414.887 ug/l
 RT: 9.17 min Scan# 2299
 Delta R.T. -0.00 min
 Lab File: VN062058.D
 Acq: 24 Jun 2020 10:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tgt Ion: 88 Resp: 23203
 Ion Ratio Lower Upper
 88 100
 43 29.8 22.0 33.0
 58 62.1 49.2 73.8

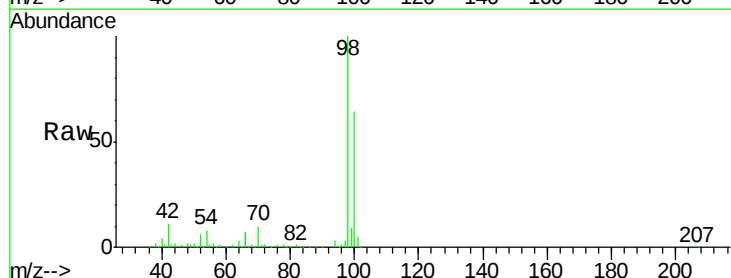


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

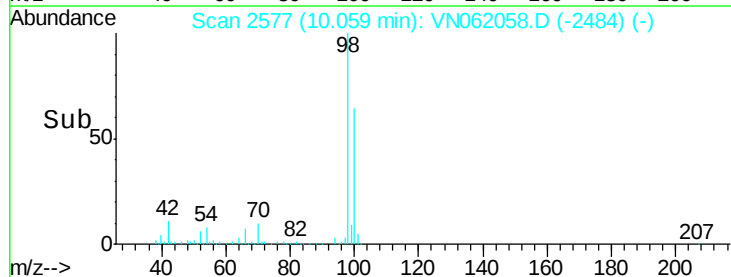
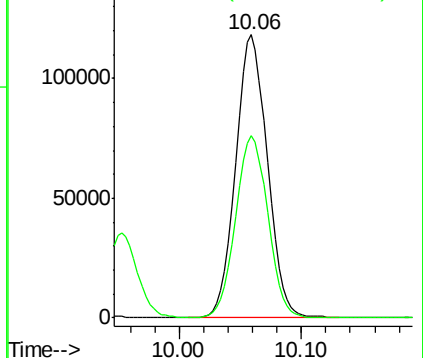


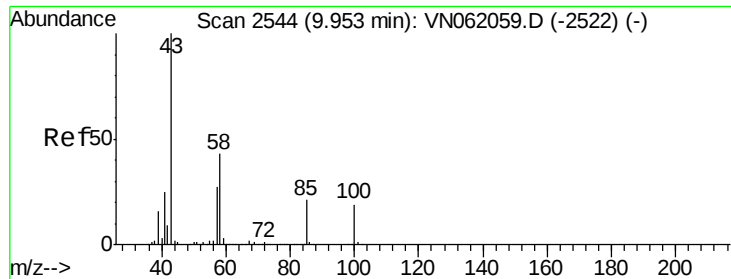
#50
 Toluene-d8
 Concen: 19.327 ug/l
 RT: 10.06 min Scan# 2577
 Delta R.T. -0.00 min
 Lab File: VN062058.D
 Acq: 24 Jun 2020 10:30

Tgt Ion: 98 Resp: 212793
 Ion Ratio Lower Upper
 98 100
 100 65.0 51.2 76.8



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





#51

4-Methyl-2-Pentanone

Concen: 103.992 ug/l

RT: 9.95 min Scan# 2544

Delta R.T. -0.00 min

Lab File: VN062058.D

Acq: 24 Jun 2020 10:30

Instrument :

MSVOA_N

ClientSampleId :

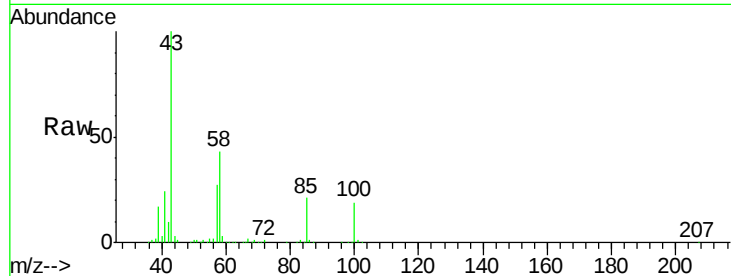
VSTDIC020

Tgt Ion: 43 Resp: 328979

Ion Ratio Lower Upper

43 100

58 42.8 34.2 51.2



Abundance Ion 43.00 (42.70 to 43.70): VN062059.D (-2522) (-)

Ion 58.00 (57.70 to 58.70): VN062059.D (-2522) (-)

9.95

200000

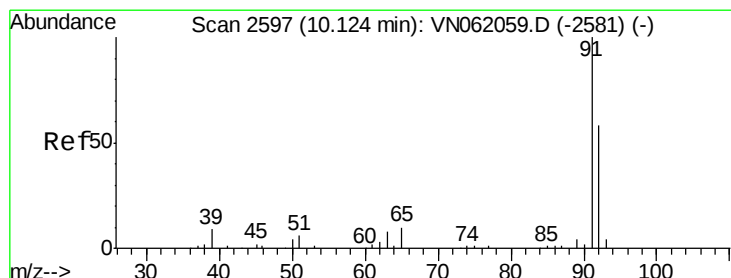
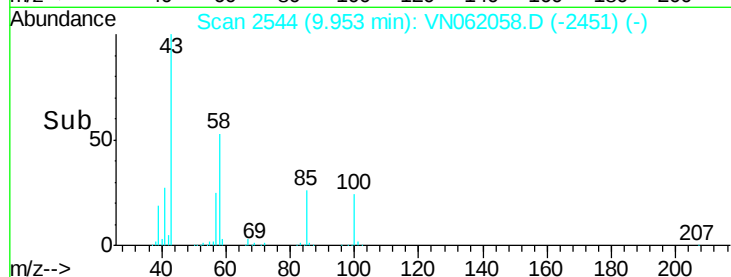
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 20.336 ug/l

RT: 10.12 min Scan# 2597

Delta R.T. -0.00 min

Lab File: VN062058.D

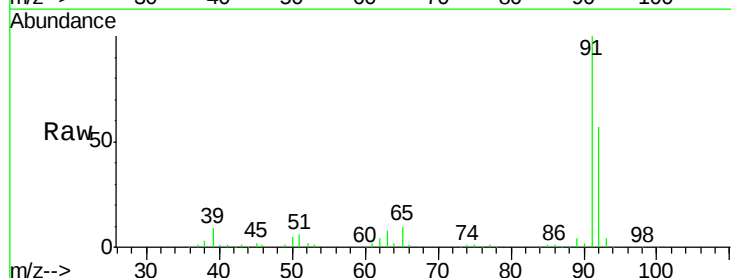
Acq: 24 Jun 2020 10:30

Tgt Ion: 92 Resp: 155527

Ion Ratio Lower Upper

92 100

91 173.4 137.4 206.0



Abundance Ion 92.00 (91.70 to 92.70): VN062059.D (-2581) (-)

Ion 91.00 (90.70 to 91.70): VN062059.D (-2581) (-)

10.12

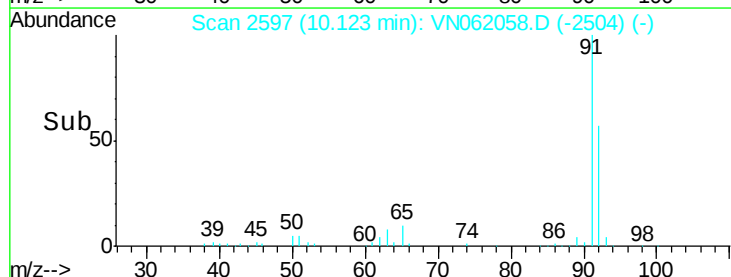
150000

100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 19.942 ug/l

RT: 10.35 min Scan# 2668

Delta R.T. -0.00 min

Lab File: VN062058.D

Acq: 24 Jun 2020 10:30

Instrument :

MSVOA_N

ClientSampleId :

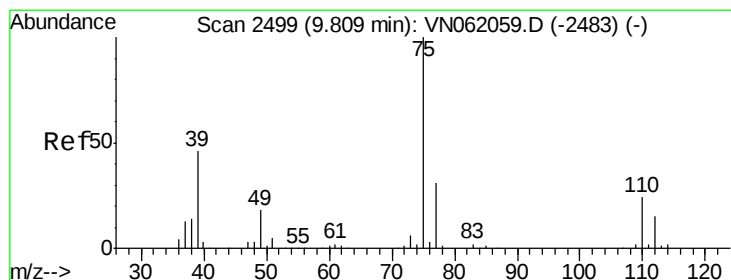
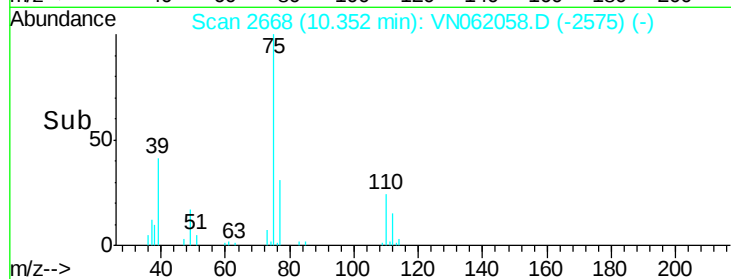
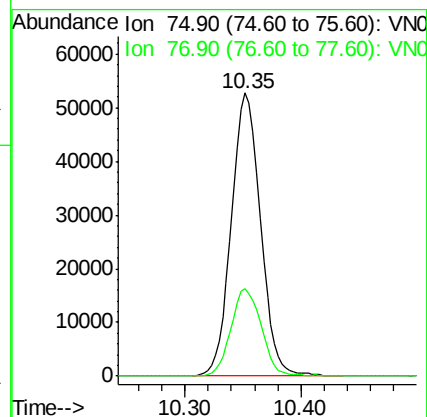
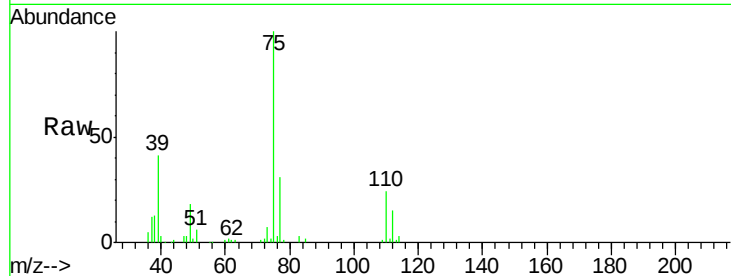
VSTDIC020

Tgt Ion: 75 Resp: 91745

Ion Ratio Lower Upper

75 100

77 30.8 25.5 38.3



#54

cis-1,3-Dichloropropene

Concen: 20.151 ug/l

RT: 9.81 min Scan# 2499

Delta R.T. -0.00 min

Lab File: VN062058.D

Acq: 24 Jun 2020 10:30

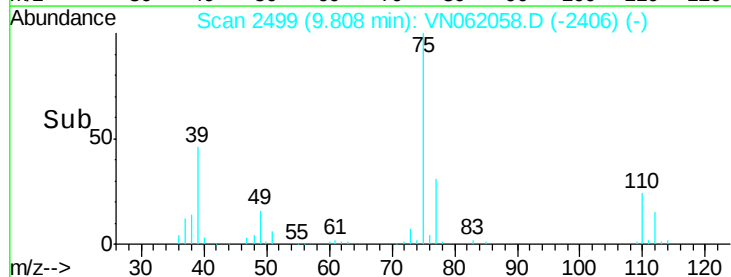
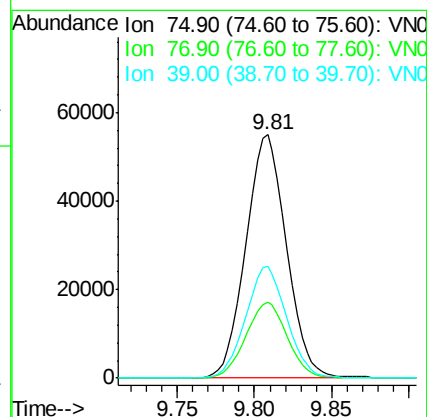
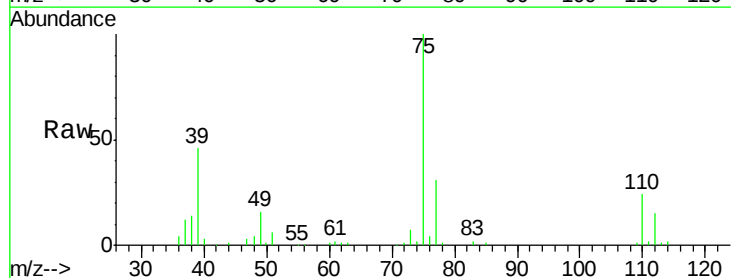
Tgt Ion: 75 Resp: 100478

Ion Ratio Lower Upper

75 100

77 31.4 25.0 37.6

39 46.0 36.9 55.3

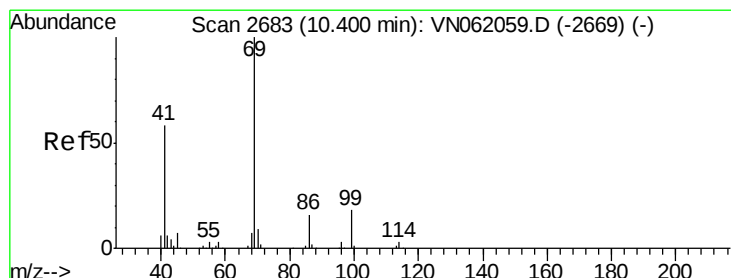
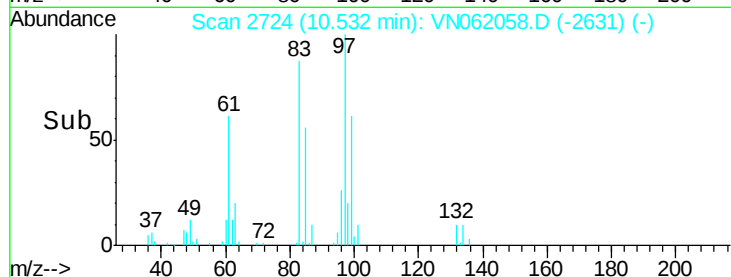
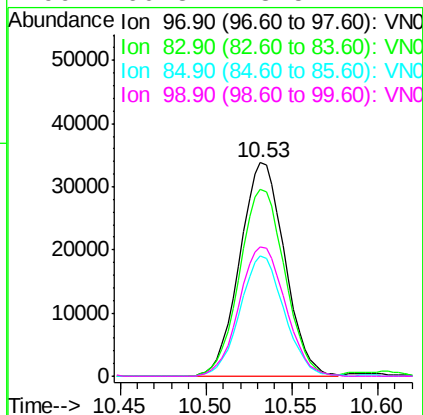
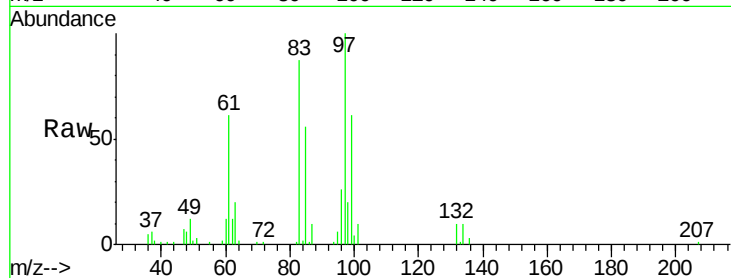




#55
 1,1,2-Trichloroethane
 Concen: 20.438 ug/l
 RT: 10.53 min Scan# 2724
 Delta R.T. -0.00 min
 Lab File: VN062058.D
 Acq: 24 Jun 2020 10:30

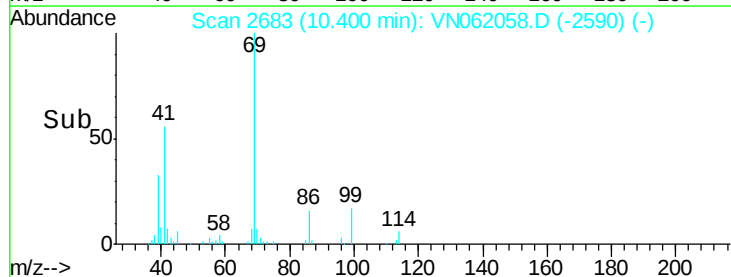
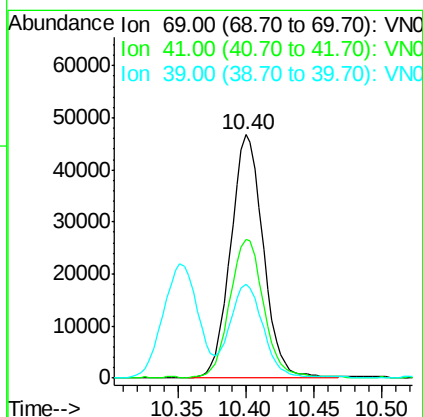
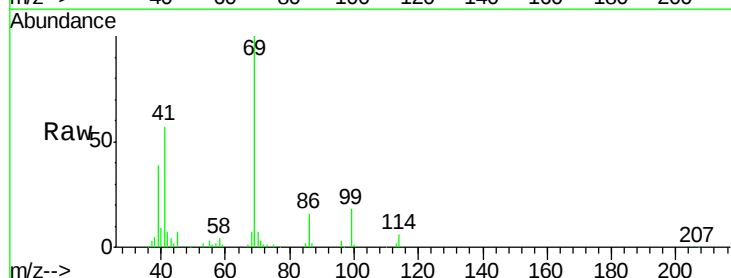
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC020

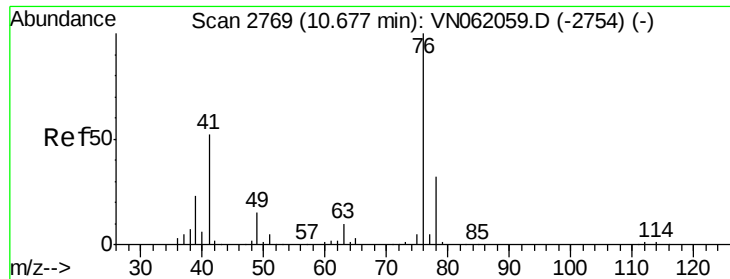
Tgt Ion:	97	Resp:	61570
Ion	Ratio	Lower	Upper
97	100		
83	87.2	68.2	102.2
85	56.1	43.2	64.8
99	60.8	48.5	72.7



#56
 Ethyl methacrylate
 Concen: 19.311 ug/l
 RT: 10.40 min Scan# 2683
 Delta R.T. -0.00 min
 Lab File: VN062058.D
 Acq: 24 Jun 2020 10:30

Tgt Ion:	69	Resp:	77876
Ion	Ratio	Lower	Upper
69	100		
41	58.1	46.6	70.0
39	38.1	31.0	46.4

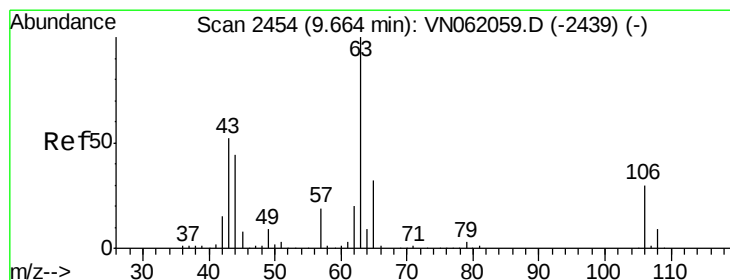
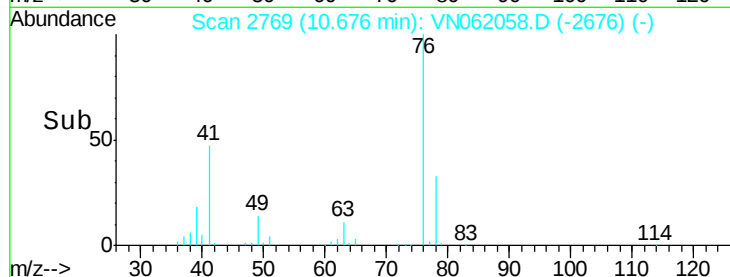
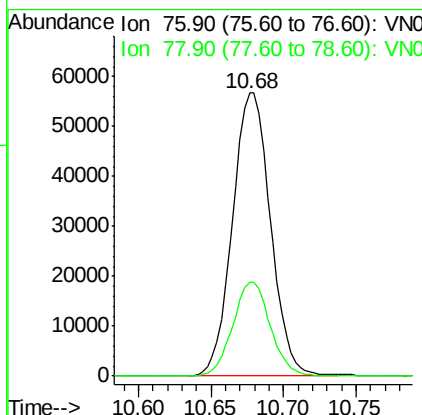
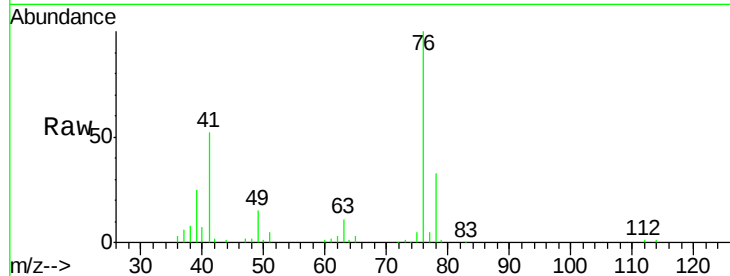




#57
 1,3-Dichloropropane
 Concen: 20.268 ug/l
 RT: 10.68 min Scan# 2769
 Delta R.T. -0.00 min
 Lab File: VN062058.D
 Acq: 24 Jun 2020 10:30

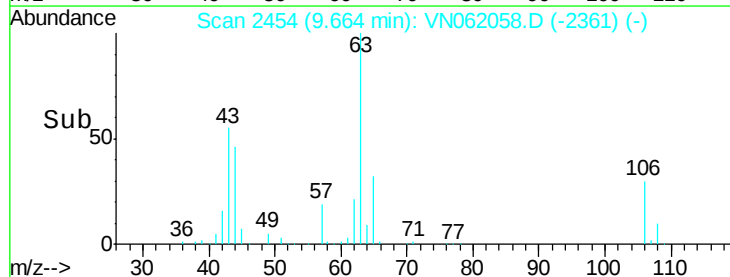
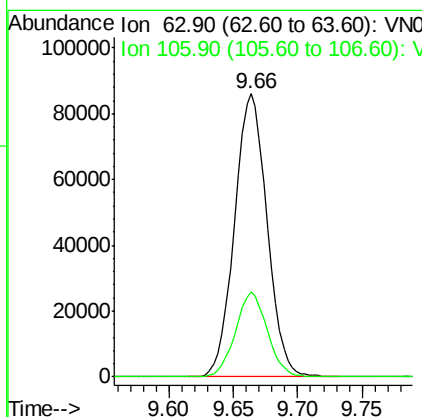
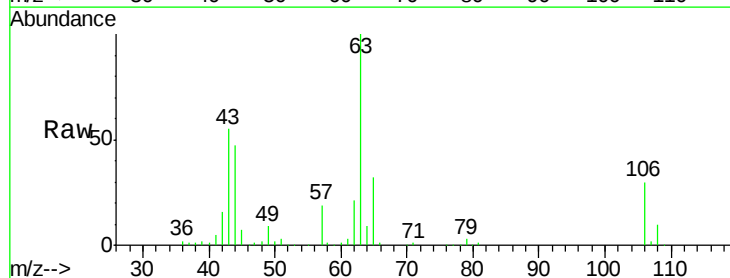
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

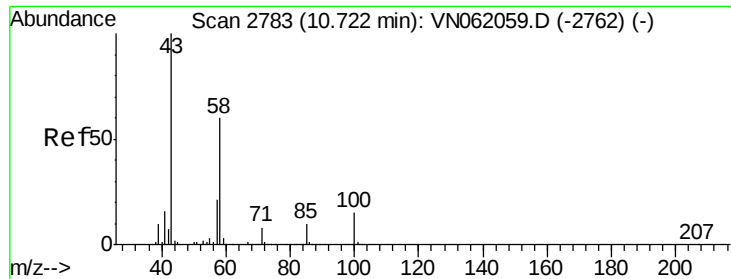
Tgt Ion: 76 Resp: 103498
 Ion Ratio Lower Upper
 76 100
 78 32.5 25.8 38.8



#58
 2-Chloroethyl Vinyl ether
 Concen: 95.147 ug/l
 RT: 9.66 min Scan# 2454
 Delta R.T. -0.00 min
 Lab File: VN062058.D
 Acq: 24 Jun 2020 10:30

Tgt Ion: 63 Resp: 151093
 Ion Ratio Lower Upper
 63 100
 106 29.4 23.2 34.8

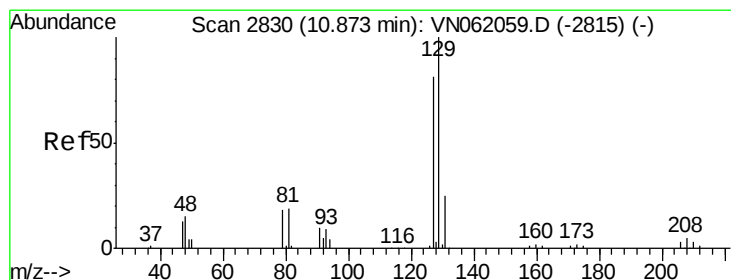
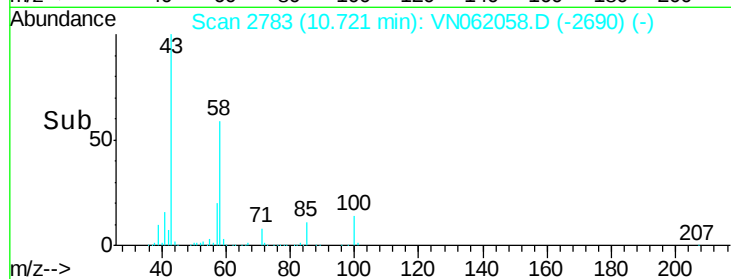
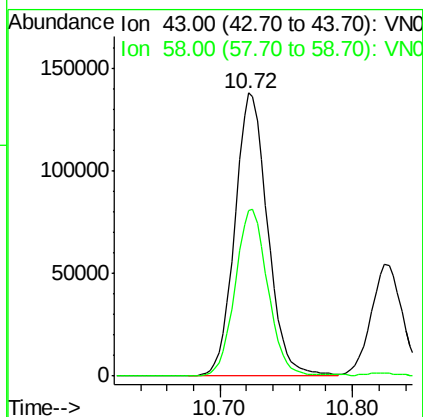
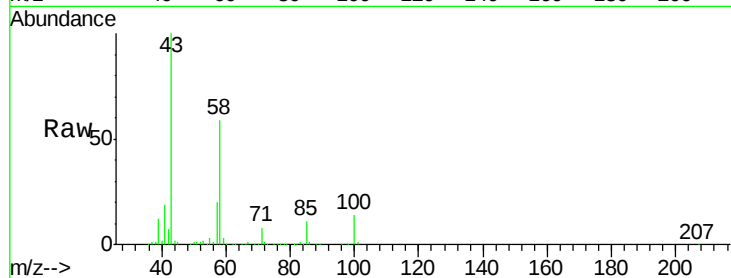




#59
2-Hexanone
Concen: 104.438 ug/l
RT: 10.72 min Scan# 2783
Delta R.T. -0.00 min
Lab File: VN062058.D
Acq: 24 Jun 2020 10:30

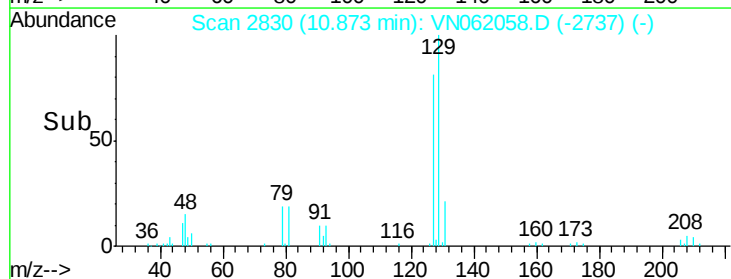
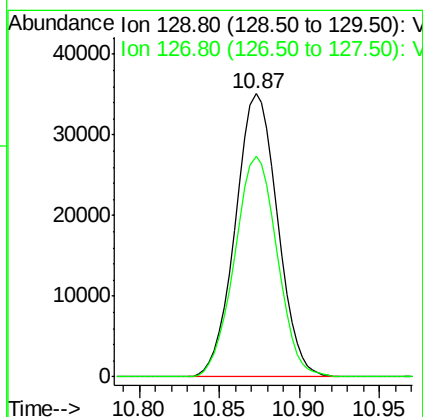
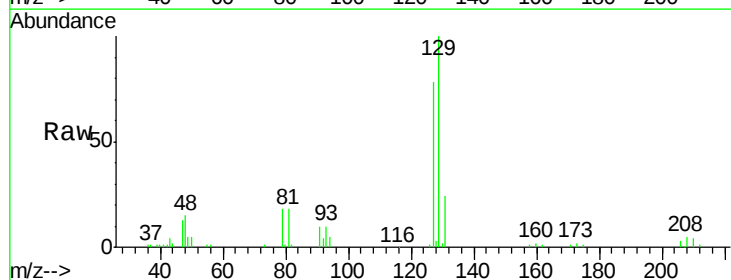
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

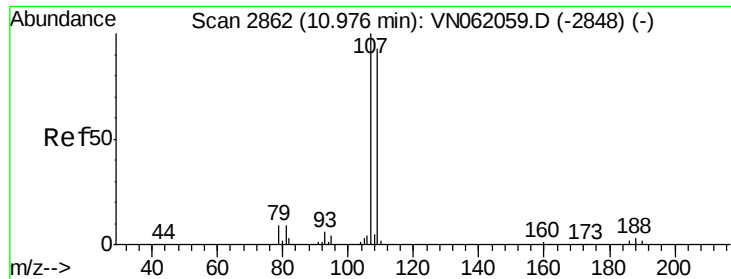
Tgt Ion: 43 Resp: 237385
Ion Ratio Lower Upper
43 100
58 58.8 29.5 88.5



#60
Dibromochloromethane
Concen: 18.968 ug/l
RT: 10.87 min Scan# 2830
Delta R.T. -0.00 min
Lab File: VN062058.D
Acq: 24 Jun 2020 10:30

Tgt Ion: 129 Resp: 63192
Ion Ratio Lower Upper
129 100
127 78.5 39.5 118.5

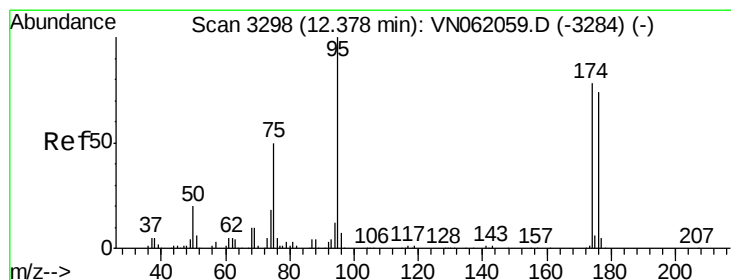
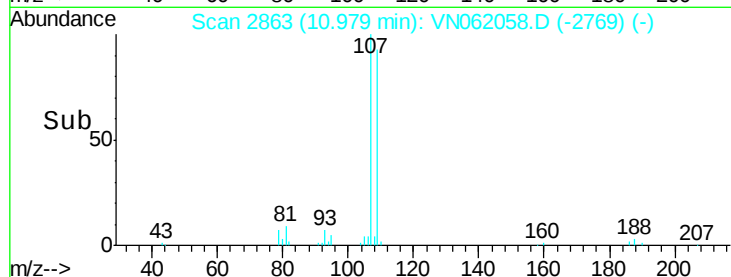
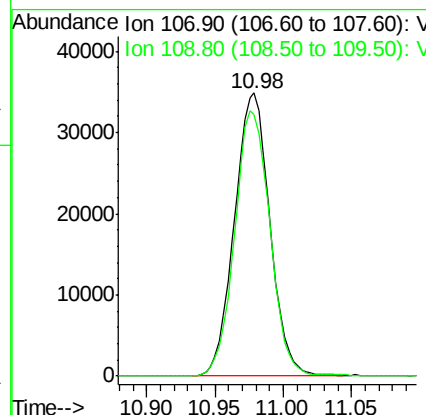
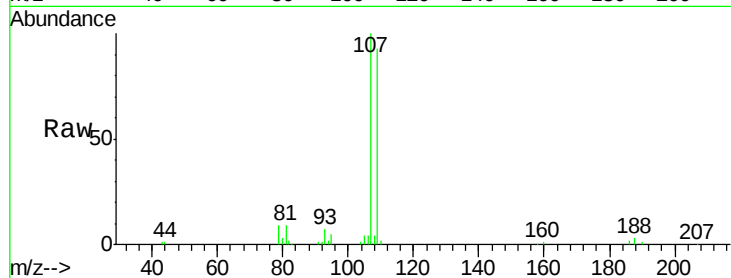




#61
 1,2-Dibromoethane
 Concen: 20.090 ug/l
 RT: 10.98 min Scan# 2863
 Delta R.T. 0.00 min
 Lab File: VN062058.D
 Acq: 24 Jun 2020 10:30

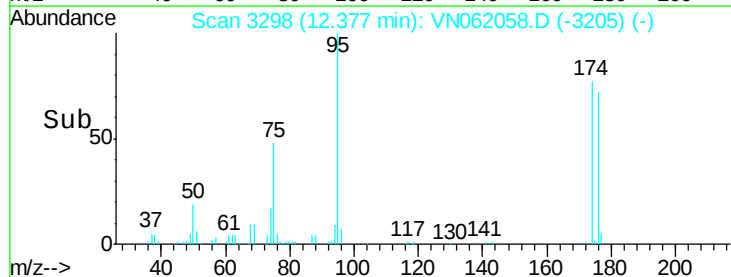
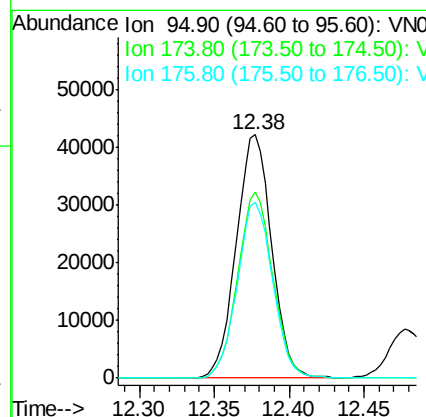
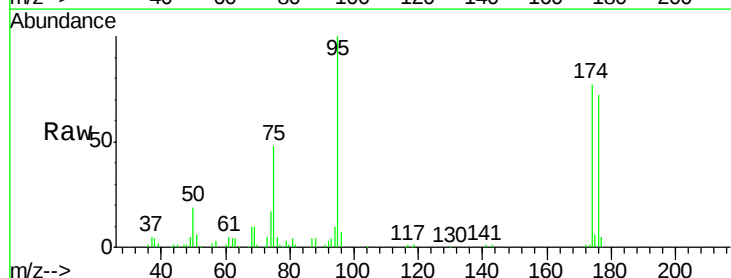
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

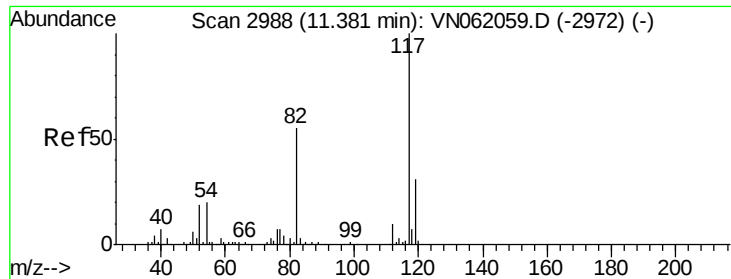
Tgt Ion: 107 Resp: 62952
 Ion Ratio Lower Upper
 107 100
 109 93.4 75.0 112.6



#62
 4-Bromofluorobenzene
 Concen: 18.500 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. -0.00 min
 Lab File: VN062058.D
 Acq: 24 Jun 2020 10:30

Tgt Ion: 95 Resp: 69605
 Ion Ratio Lower Upper
 95 100
 174 75.9 0.0 154.8
 176 72.2 0.0 147.4

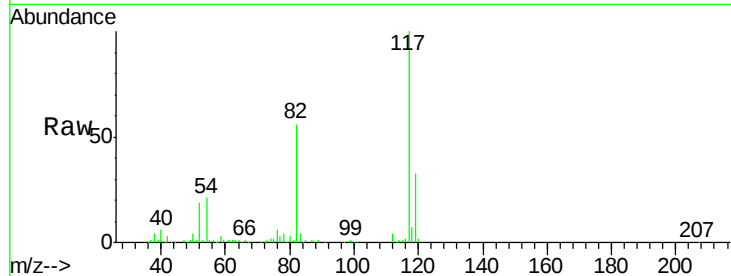




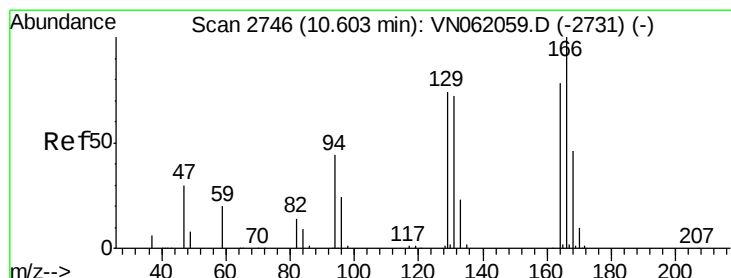
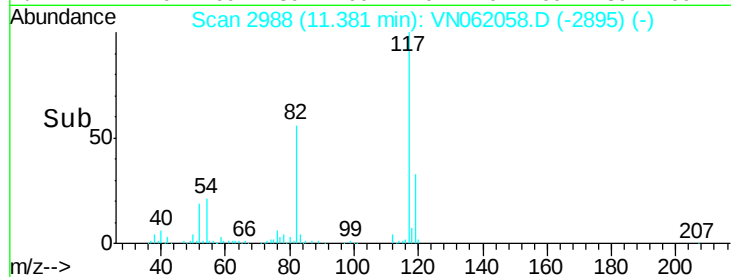
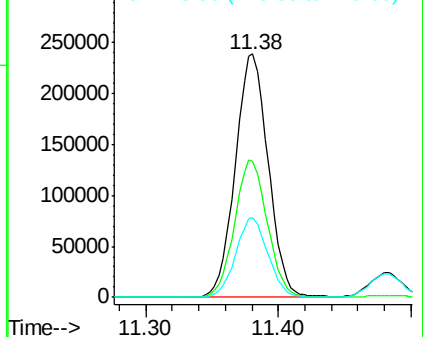
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. -0.00 min
Lab File: VN062058.D
Acq: 24 Jun 2020 10:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tgt Ion:117 Resp: 412383
Ion Ratio Lower Upper
117 100
82 55.8 43.8 65.8
119 32.6 25.2 37.8

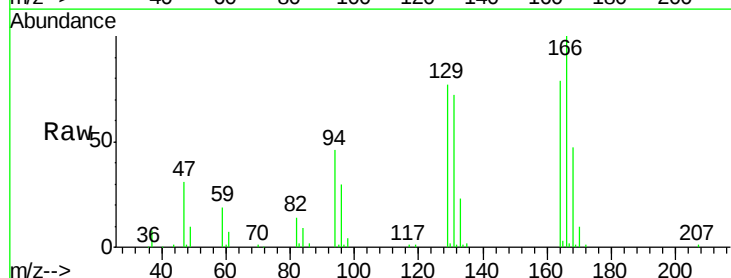


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

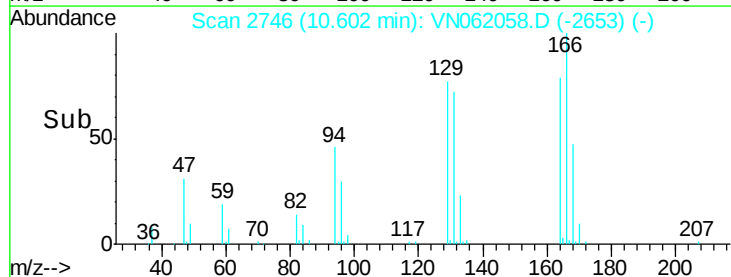
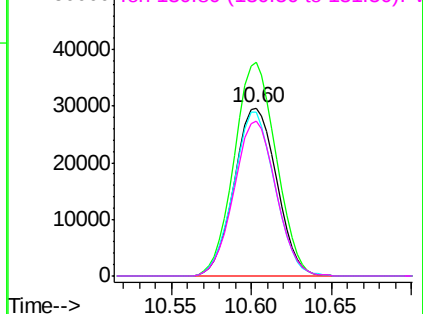


#64
Tetrachloroethene
Concen: 20.550 ug/l
RT: 10.60 min Scan# 2746
Delta R.T. -0.00 min
Lab File: VN062058.D
Acq: 24 Jun 2020 10:30

Tgt Ion:164 Resp: 53858
Ion Ratio Lower Upper
164 100
166 127.0 102.9 154.3
129 97.1 75.8 113.8
131 91.9 73.8 110.6



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

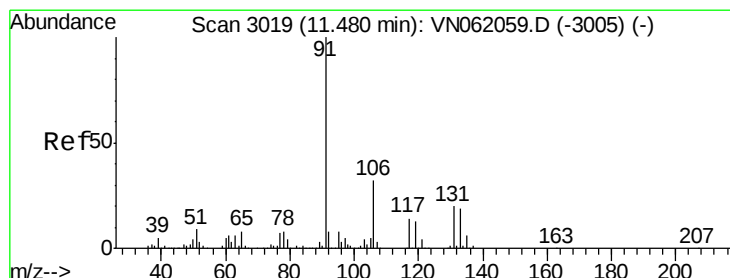
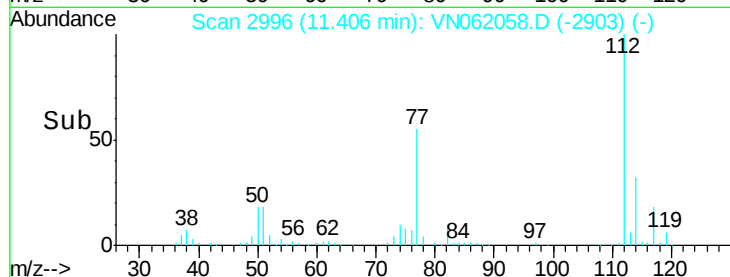
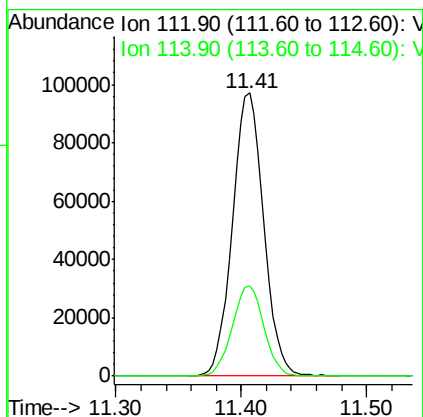
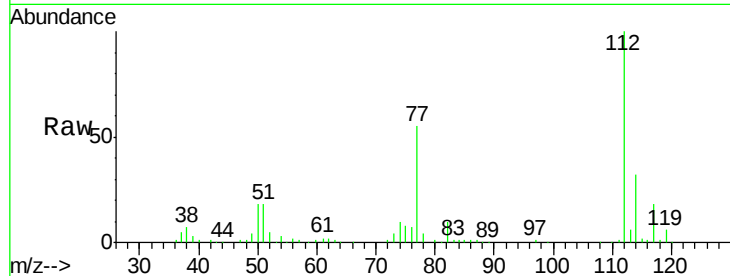




#65
Chlorobenzene
Concen: 19.299 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN062058.D
Acq: 24 Jun 2020 10:30

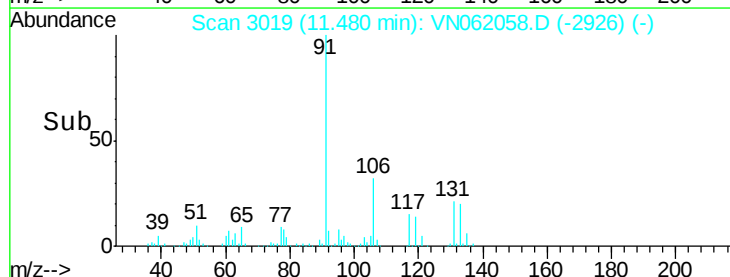
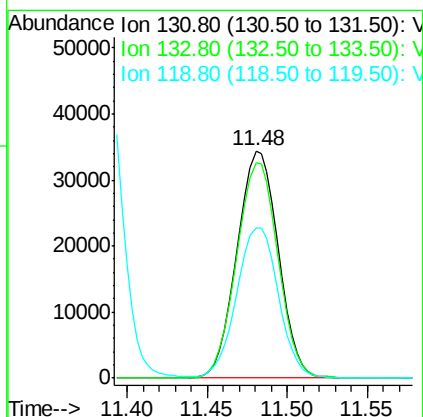
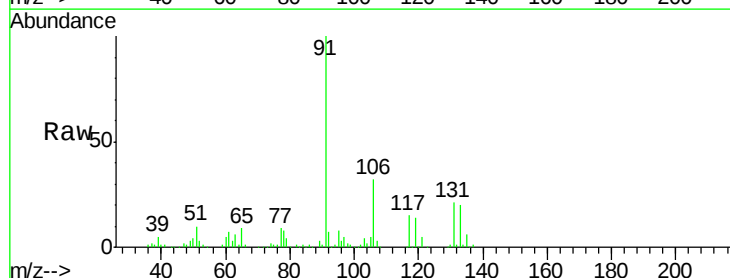
Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

Tgt Ion:112 Resp: 167939
Ion Ratio Lower Upper
112 100
114 31.9 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 19.993 ug/l
RT: 11.48 min Scan# 3019
Delta R.T. -0.00 min
Lab File: VN062058.D
Acq: 24 Jun 2020 10:30

Tgt Ion:131 Resp: 60450
Ion Ratio Lower Upper
131 100
133 95.2 47.6 142.9
119 67.3 34.4 103.3

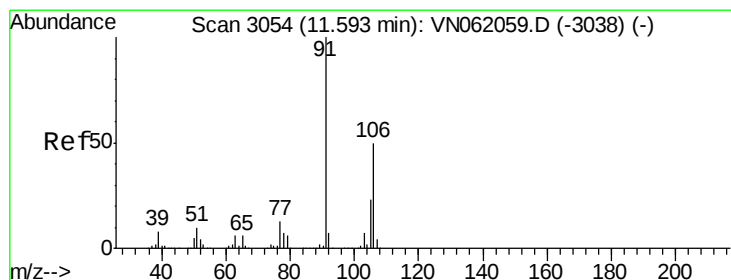
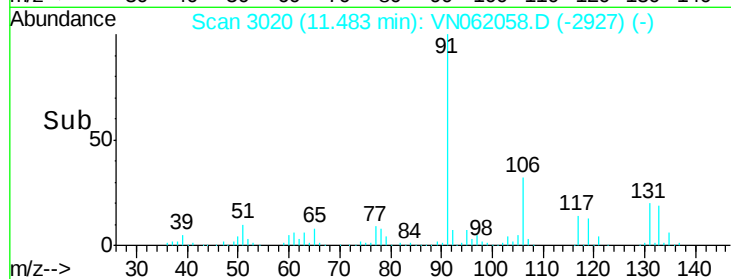
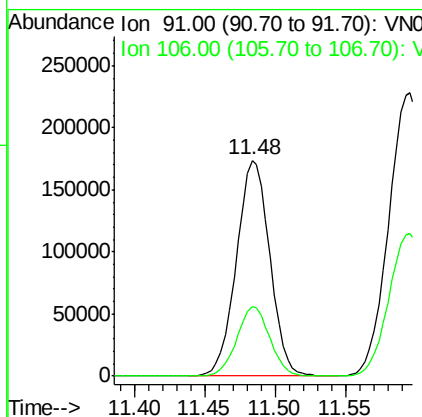
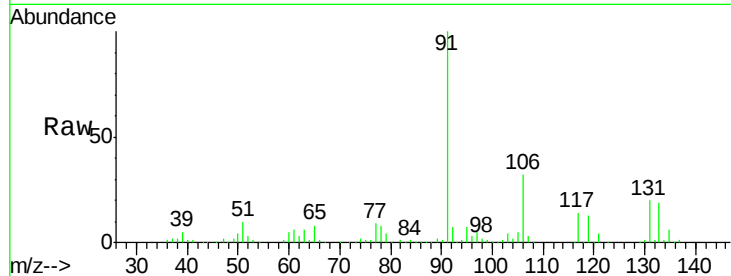




#67
Ethyl Benzene
Concen: 19.744 ug/l
RT: 11.48 min Scan# 3020
Delta R.T. -0.00 min
Lab File: VN062058.D
Acq: 24 Jun 2020 10:30

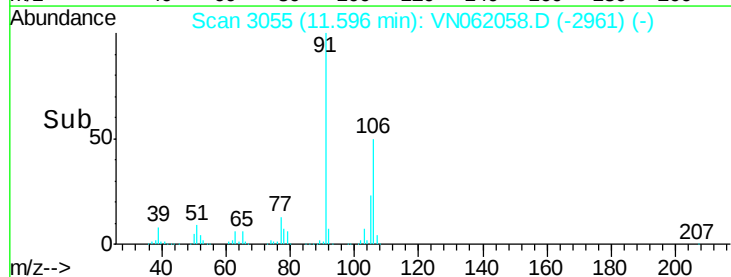
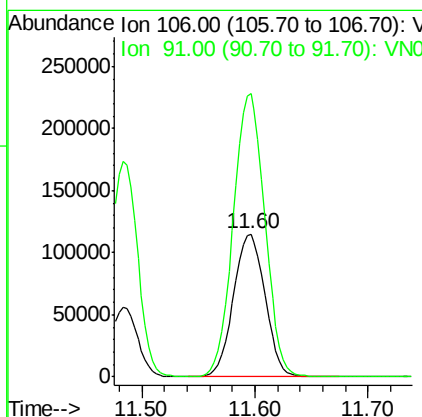
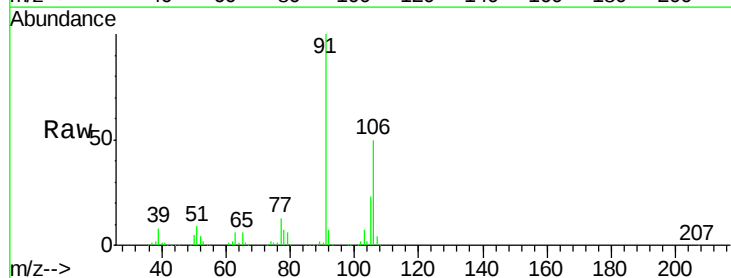
Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

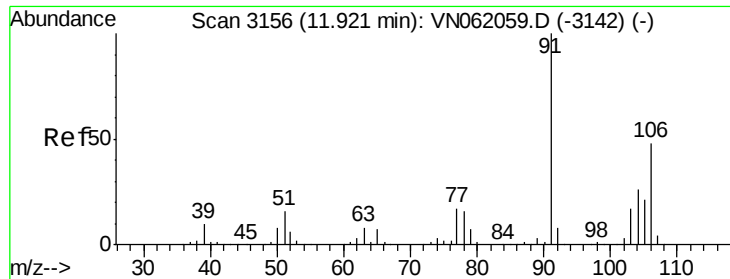
Tgt Ion: 91 Resp: 288686
Ion Ratio Lower Upper
91 100
106 32.3 25.3 37.9



#68
m/p-Xylenes
Concen: 39.653 ug/l
RT: 11.60 min Scan# 3055
Delta R.T. 0.00 min
Lab File: VN062058.D
Acq: 24 Jun 2020 10:30

Tgt Ion: 106 Resp: 223612
Ion Ratio Lower Upper
106 100
91 197.3 157.8 236.8

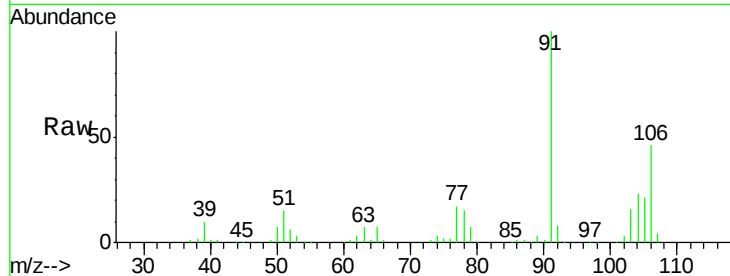




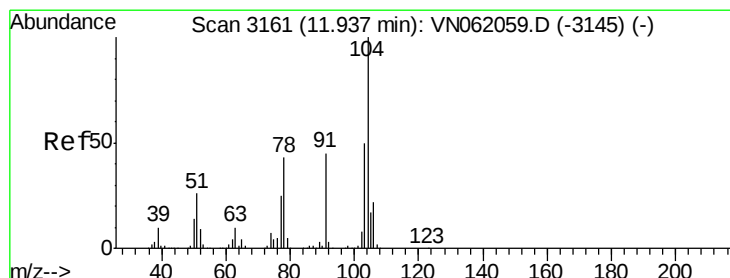
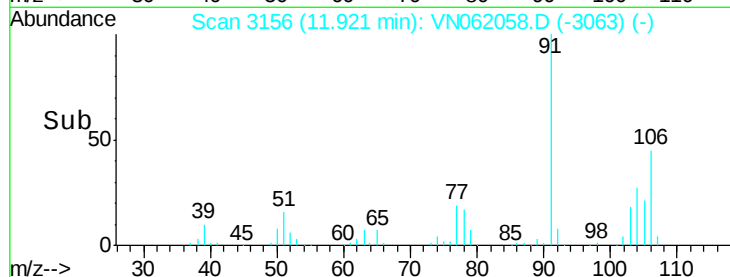
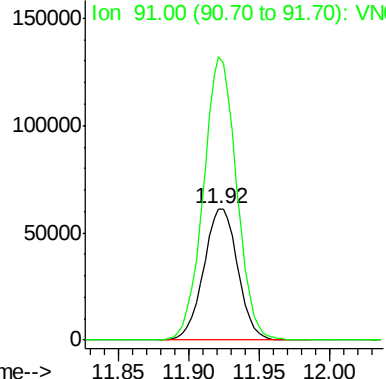
#69
o-Xylene
Concen: 19.377 ug/l
RT: 11.92 min Scan# 3156
Delta R.T. -0.00 min
Lab File: VN062058.D
Acq: 24 Jun 2020 10:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tgt Ion:106 Resp: 103992
Ion Ratio Lower Upper
106 100
91 209.9 104.0 311.9

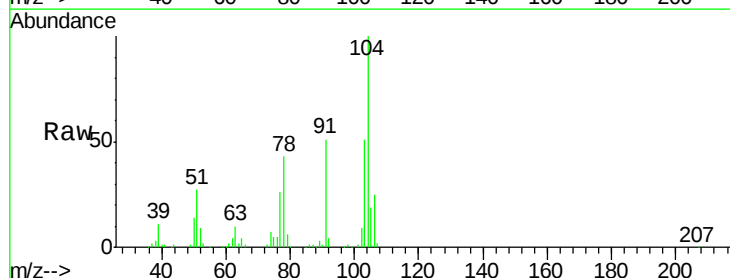


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

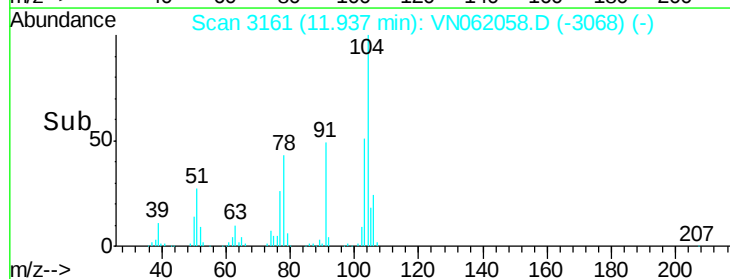
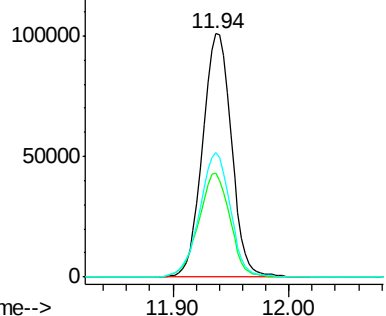


#70
Styrene
Concen: 19.307 ug/l
RT: 11.94 min Scan# 3161
Delta R.T. -0.00 min
Lab File: VN062058.D
Acq: 24 Jun 2020 10:30

Tgt Ion:104 Resp: 173485
Ion Ratio Lower Upper
104 100
78 46.3 37.7 56.5
103 54.2 43.0 64.6



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VN
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 18.976 ug/l

RT: 12.10 min Scan# 3212

Delta R.T. -0.00 min

Lab File: VN062058.D

Acq: 24 Jun 2020 10:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

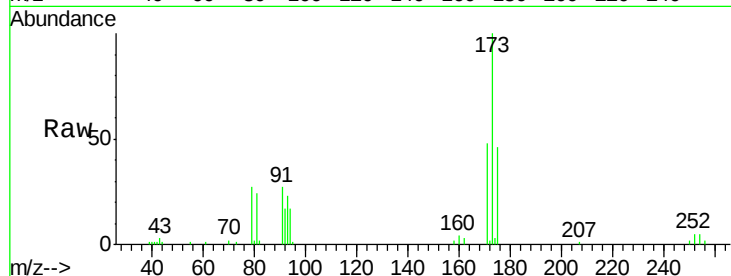
Tgt Ion:173 Resp: 41724

Ion Ratio Lower Upper

173 100

175 47.6 24.7 74.1

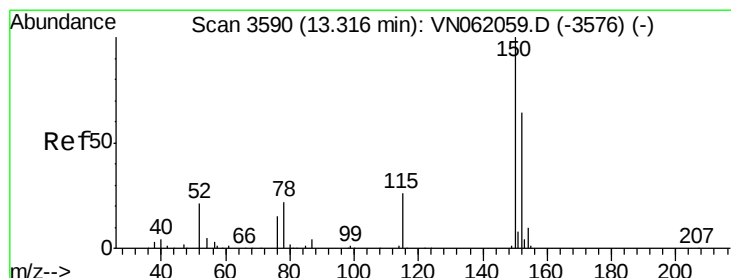
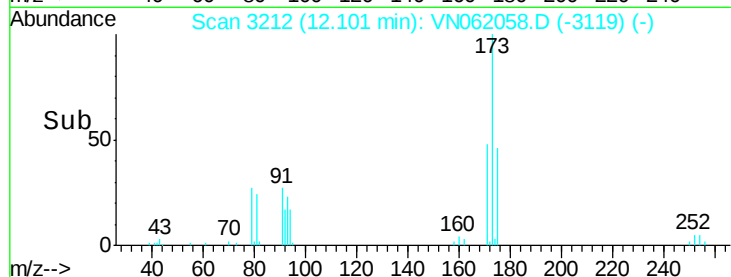
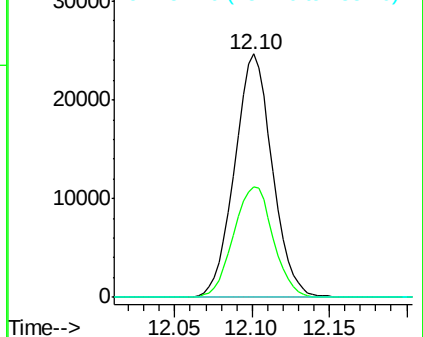
254 0.0 0.0 0.0



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# 3591

Delta R.T. 0.00 min

Lab File: VN062058.D

Acq: 24 Jun 2020 10:30

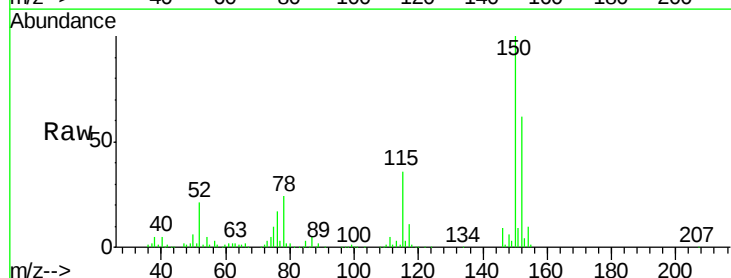
Tgt Ion:152 Resp: 182827

Ion Ratio Lower Upper

152 100

115 58.8 29.5 88.5

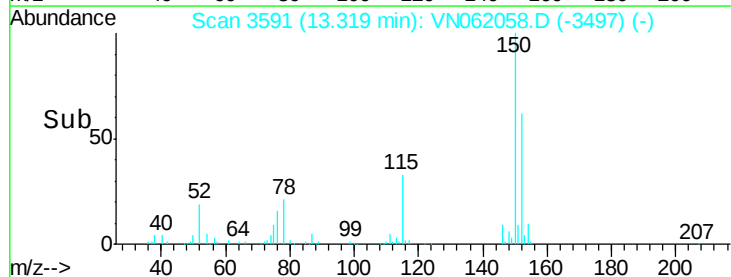
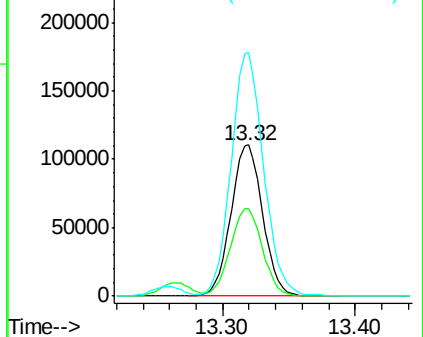
150 165.9 0.0 351.4



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 21.071 ug/l

RT: 12.22 min Scan# 3250

Delta R.T. -0.00 min

Lab File: VN062058.D

Acq: 24 Jun 2020 10:30

Instrument :

MSVOA_N

ClientSampleId :

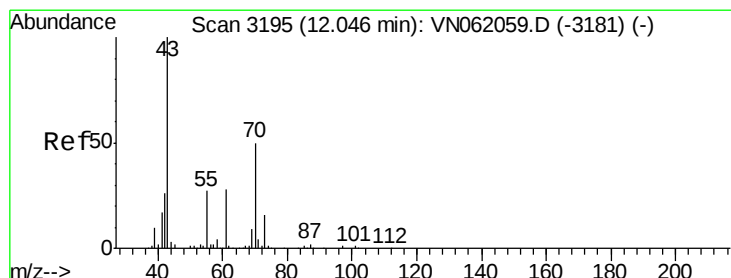
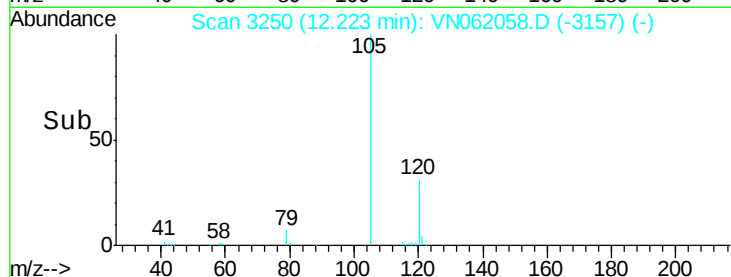
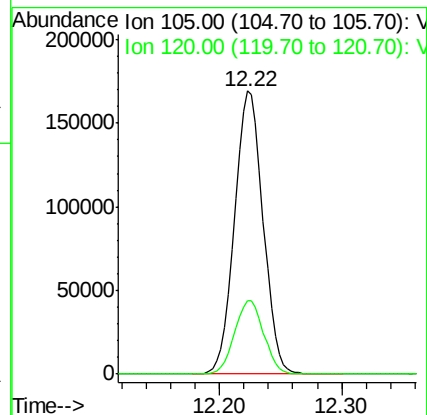
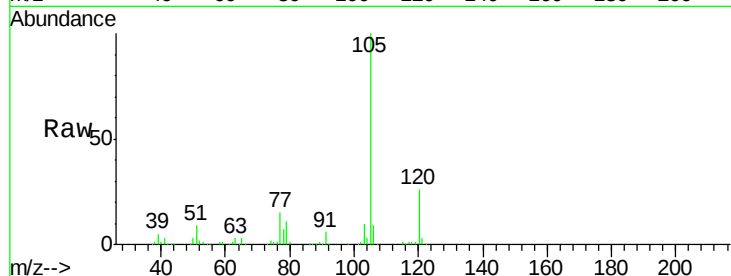
VSTDIC020

Tgt Ion: 105 Resp: 275121

Ion Ratio Lower Upper

105 100

120 26.6 13.2 39.6



#74

N-ethyl acetate

Concen: 20.190 ug/l

RT: 12.05 min Scan# 3195

Delta R.T. -0.00 min

Lab File: VN062058.D

Acq: 24 Jun 2020 10:30

Tgt Ion: 43 Resp: 85444

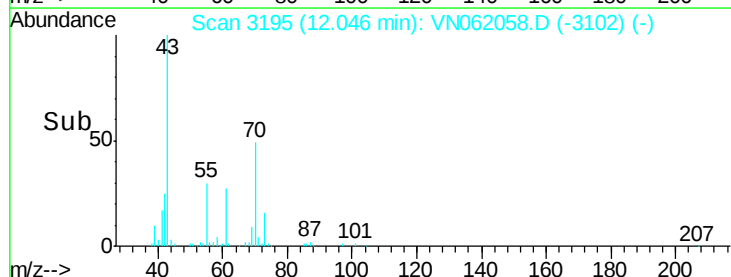
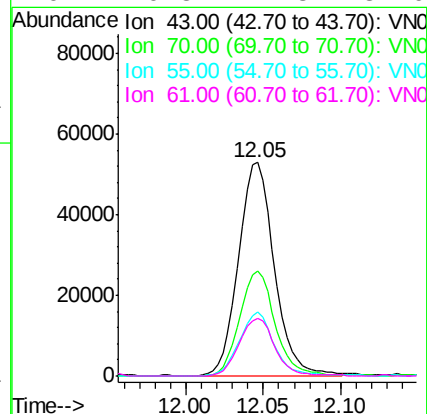
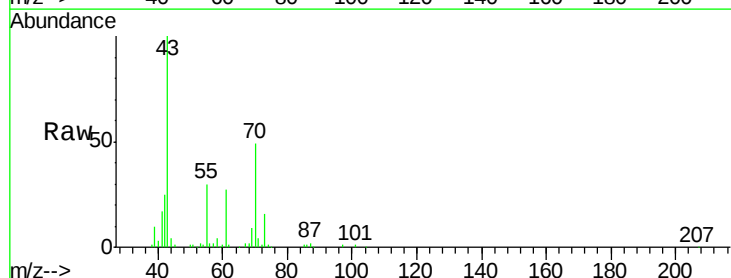
Ion Ratio Lower Upper

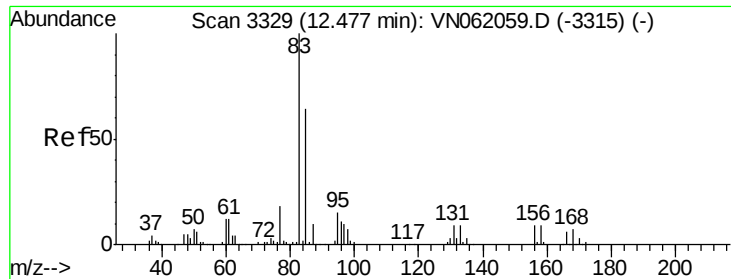
43 100

70 49.1 39.4 59.2

55 29.2 21.7 32.5

61 26.8 21.3 31.9





#75

1,1,2,2-Tetrachloroethane

Concen: 20.768 ug/l

RT: 12.48 min Scan# 3330

Delta R.T. 0.00 min

Lab File: VN062058.D

Acq: 24 Jun 2020 10:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

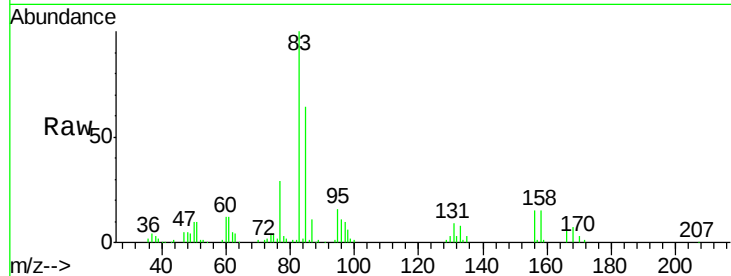
Tgt Ion: 83 Resp: 88829

Ion Ratio Lower Upper

83 100

131 9.7 4.8 14.4

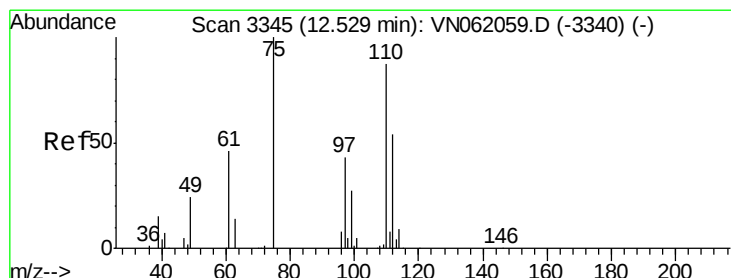
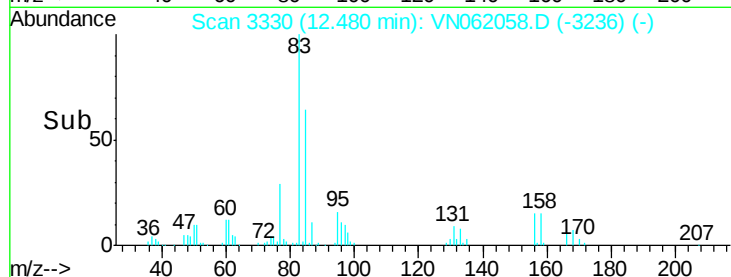
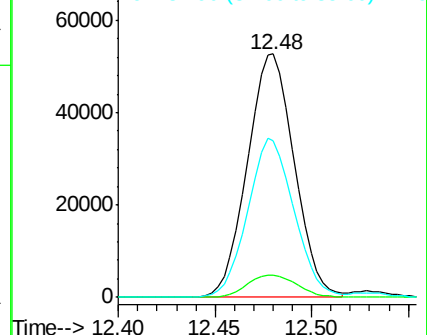
85 64.7 32.4 97.0



Abundance Ion 82.90 (82.60 to 83.60): VN062059.D (-3315) (-)

Ion 130.80 (130.50 to 131.50): VN062059.D (-3315) (-)

Ion 84.90 (84.60 to 85.60): VN062059.D (-3315) (-)



#76

1,2,3-Trichloropropane

Concen: 30.128 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. -0.00 min

Lab File: VN062058.D

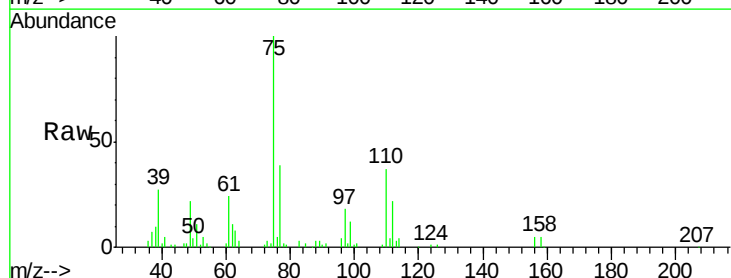
Acq: 24 Jun 2020 10:30

Tgt Ion: 75 Resp: 109670

Ion Ratio Lower Upper

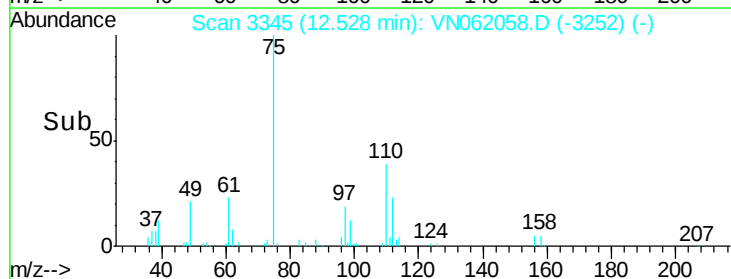
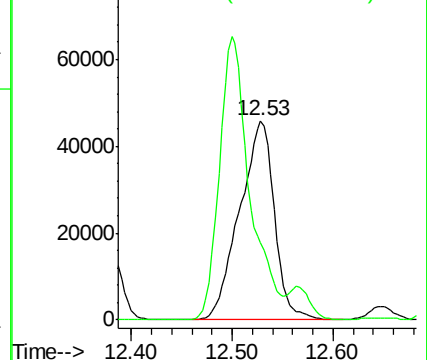
75 100

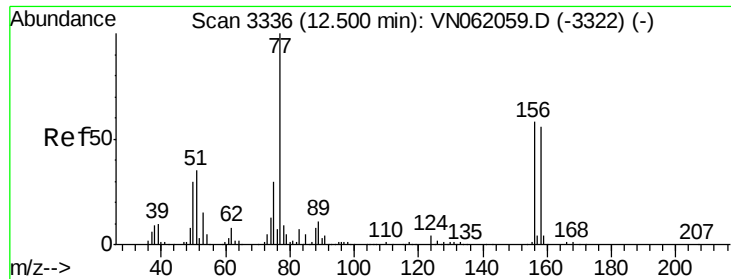
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN062059.D (-3340) (-)

Ion 77.00 (76.70 to 77.70): VN062059.D (-3340) (-)





#77

Bromobenzene

Concen: 20.924 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VN062058.D

Acq: 24 Jun 2020 10:30

Instrument :

MSVOA_N

ClientSampled :

VSTDIC020

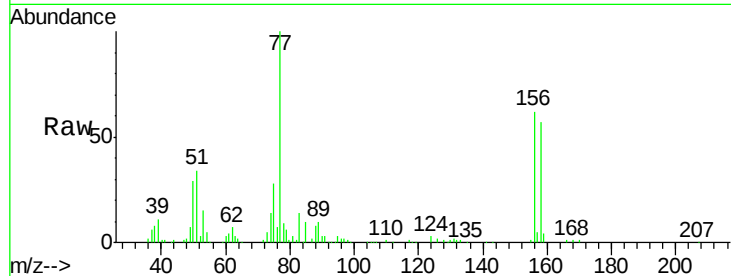
Tgt Ion:156 Resp: 68729

Ion Ratio Lower Upper

156 100

77 199.4 104.6 313.8

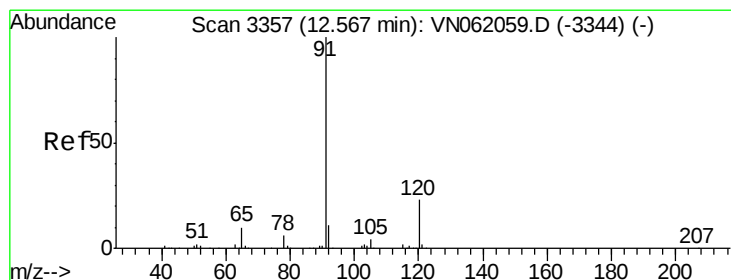
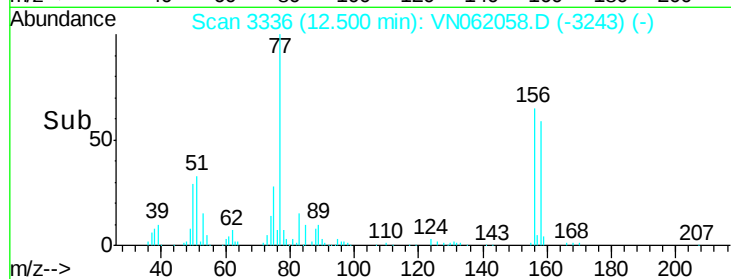
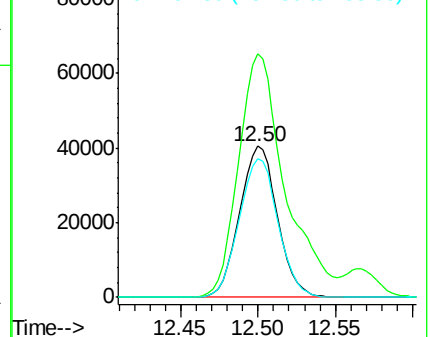
158 94.2 48.0 144.0



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: 20.611 ug/l

RT: 12.57 min Scan# 3357

Delta R.T. -0.00 min

Lab File: VN062058.D

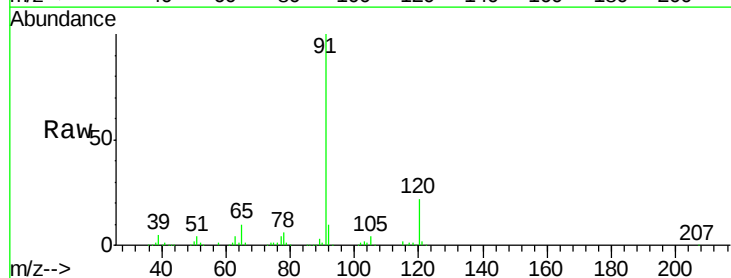
Acq: 24 Jun 2020 10:30

Tgt Ion: 91 Resp: 308392

Ion Ratio Lower Upper

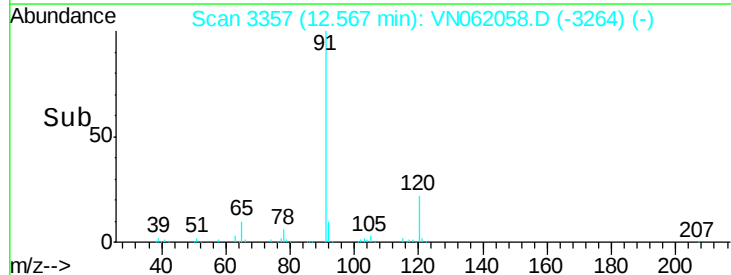
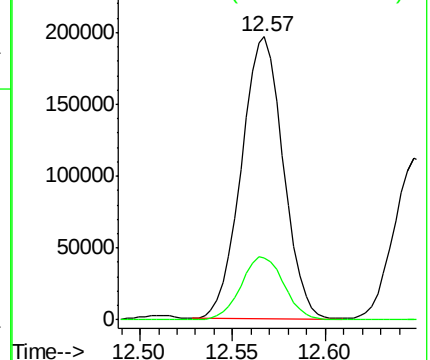
91 100

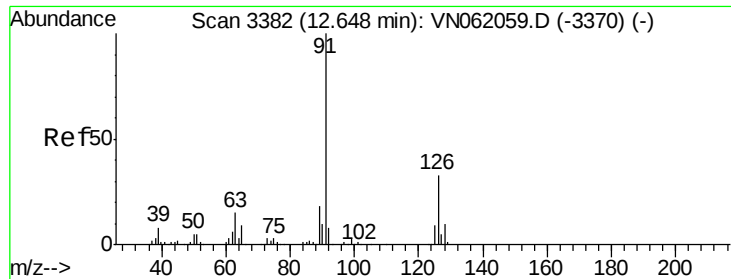
120 23.1 11.4 34.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.761 ug/l

RT: 12.65 min Scan# 3382

Delta R.T. -0.00 min

Lab File: VN062058.D

Acq: 24 Jun 2020 10:30

Instrument :

MSVOA_N

ClientSampleId :

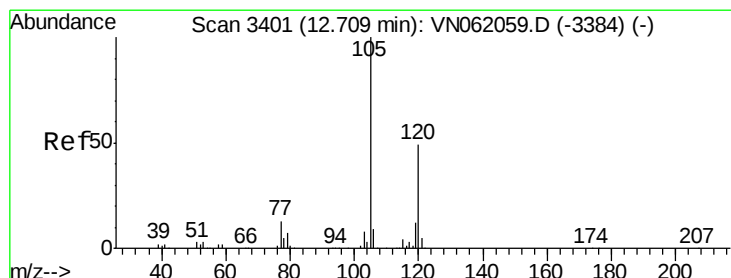
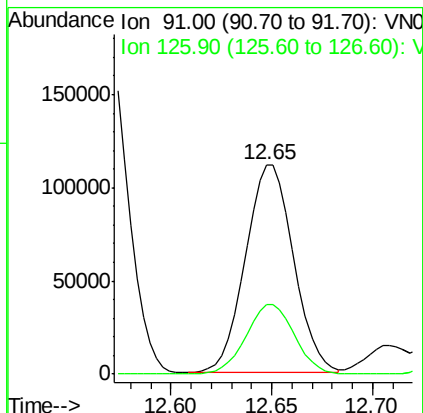
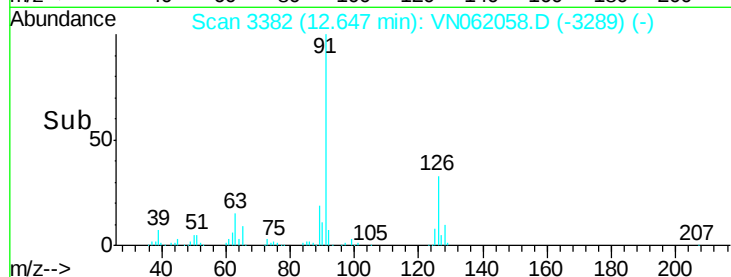
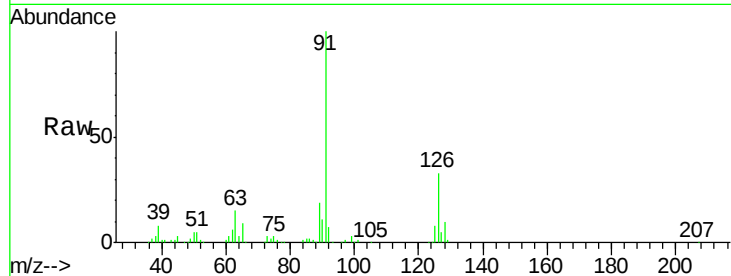
VSTDIC020

Tgt Ion: 91 Resp: 186397

Ion Ratio Lower Upper

91 100

126 33.8 16.9 50.7



#80

1,3,5-Trimethylbenzene

Concen: 20.683 ug/l

RT: 12.71 min Scan# 3401

Delta R.T. -0.00 min

Lab File: VN062058.D

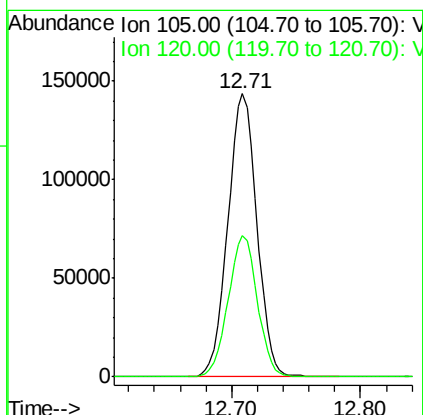
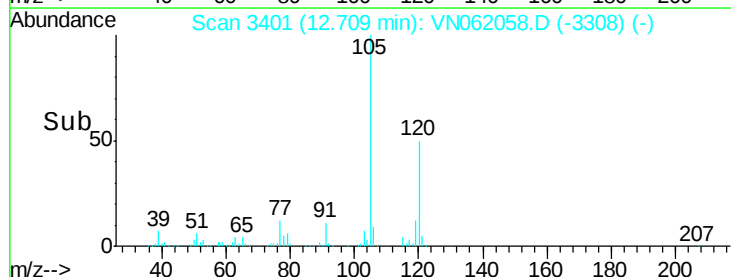
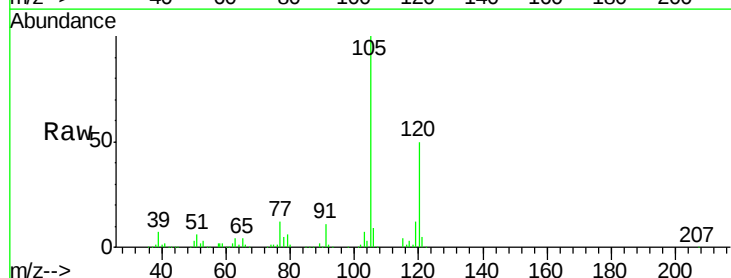
Acq: 24 Jun 2020 10:30

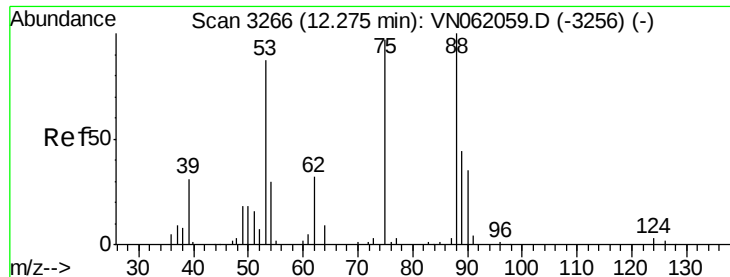
Tgt Ion: 105 Resp: 223010

Ion Ratio Lower Upper

105 100

120 50.5 24.6 74.0





#81

trans-1,4-Dichloro-2-butene

Concen: 20.276 ug/l

RT: 12.27 min Scan# 3266

Delta R.T. -0.00 min

Lab File: VN062058.D

Acq: 24 Jun 2020 10:30

Instrument :

MSVOA_N

ClientSampled :

VSTDIC020

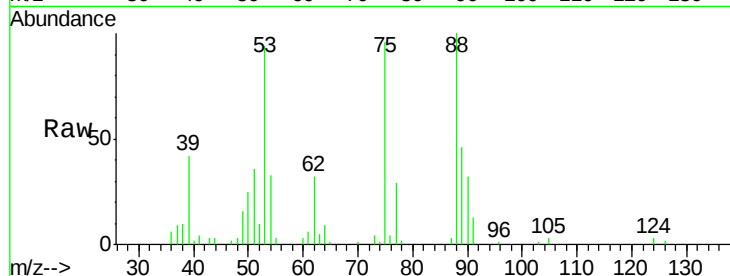
Tgt Ion: 75 Resp: 27227

Ion Ratio Lower Upper

75 100

53 93.7 72.0 108.0

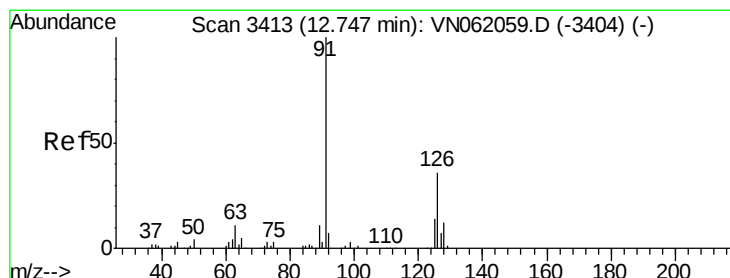
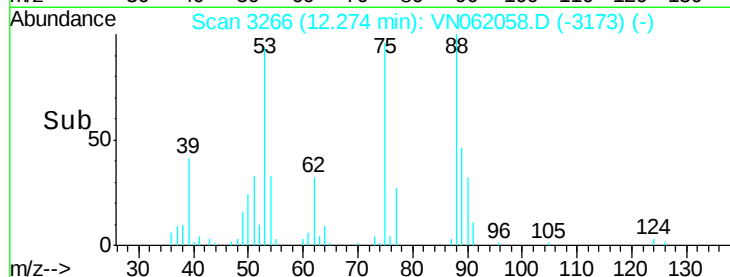
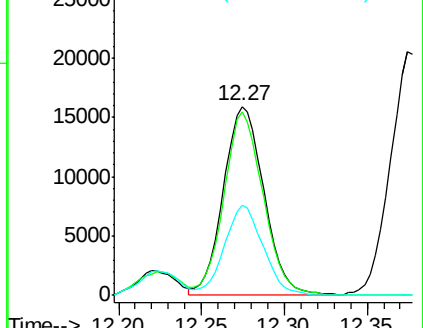
89 45.3 36.9 55.3



Abundance Ion 74.90 (74.60 to 75.60): VN062058.D (-3173) (-)

Ion 53.00 (52.70 to 53.70): VN062058.D (-3173) (-)

Ion 88.90 (88.60 to 89.60): VN062058.D (-3173) (-)



#82

4-Chlorotoluene

Concen: 20.407 ug/l

RT: 12.75 min Scan# 3413

Delta R.T. -0.00 min

Lab File: VN062058.D

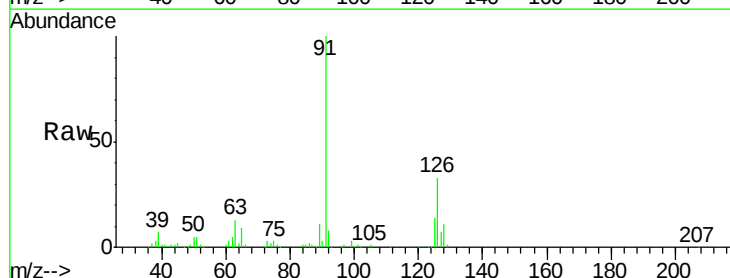
Acq: 24 Jun 2020 10:30

Tgt Ion: 91 Resp: 189115

Ion Ratio Lower Upper

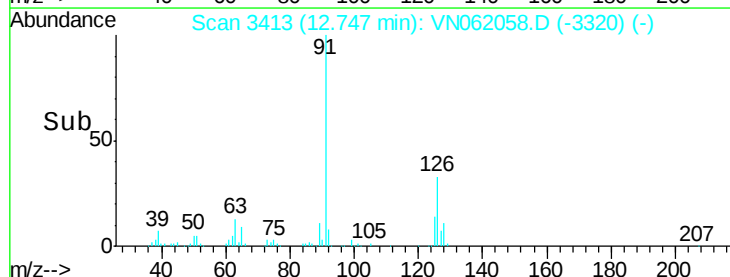
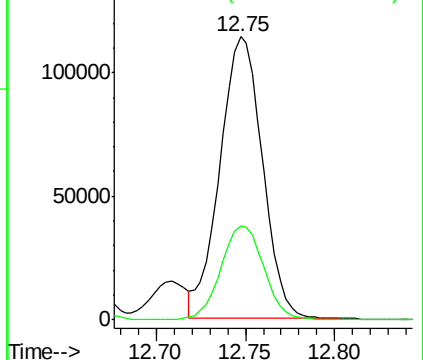
91 100

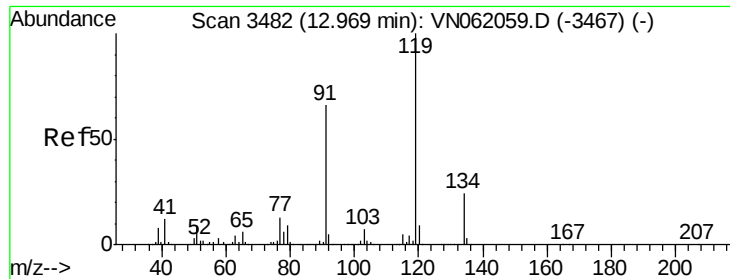
126 33.8 16.7 50.1



Abundance Ion 91.00 (90.70 to 91.70): VN062058.D (-3320) (-)

Ion 125.90 (125.60 to 126.60): VN062058.D (-3320) (-)

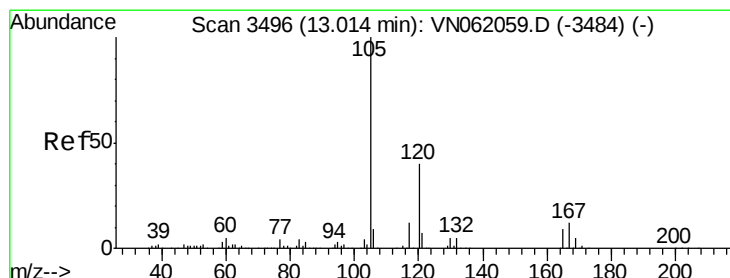
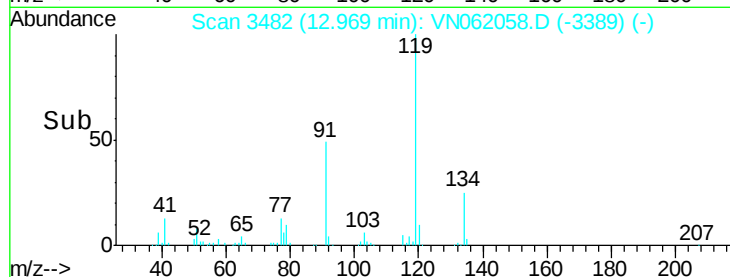
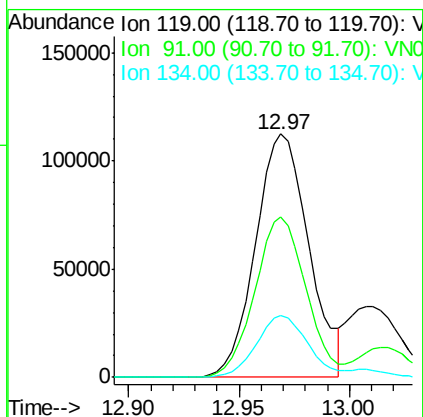
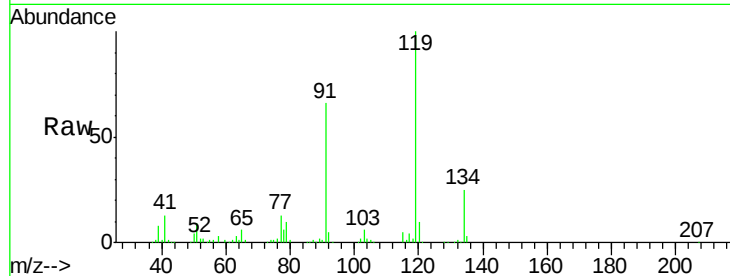




#83
 tert-Butylbenzene
 Concen: 20.613 ug/l
 RT: 12.97 min Scan# 3482
 Delta R.T. -0.00 min
 Lab File: VN062058.D
 Acq: 24 Jun 2020 10:30

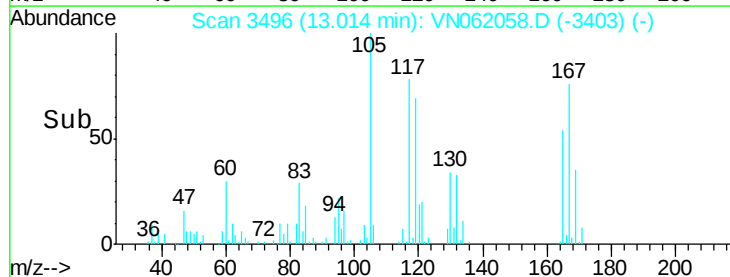
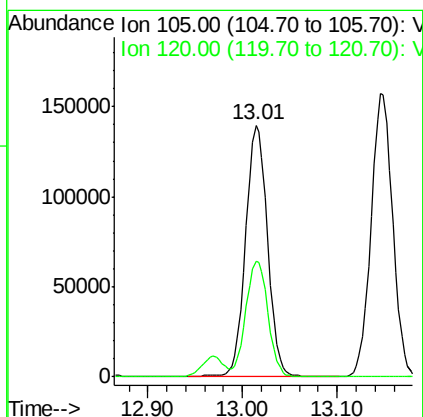
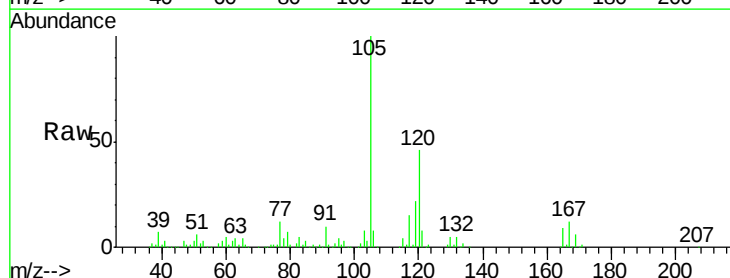
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC020

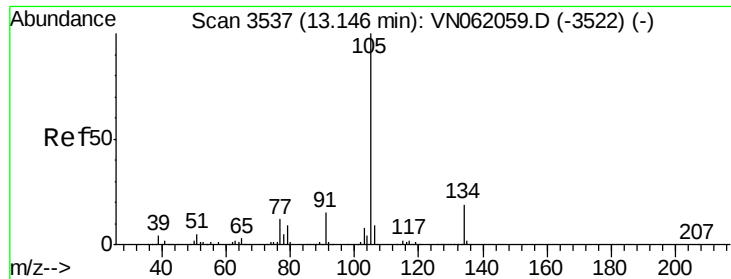
Tgt Ion:119 Resp: 188438
 Ion Ratio Lower Upper
 119 100
 91 63.7 31.7 95.1
 134 24.7 13.1 39.1



#84
 1,2,4-Trimethylbenzene
 Concen: 21.210 ug/l
 RT: 13.01 min Scan# 3496
 Delta R.T. -0.00 min
 Lab File: VN062058.D
 Acq: 24 Jun 2020 10:30

Tgt Ion:105 Resp: 225453
 Ion Ratio Lower Upper
 105 100
 120 46.3 23.2 69.5

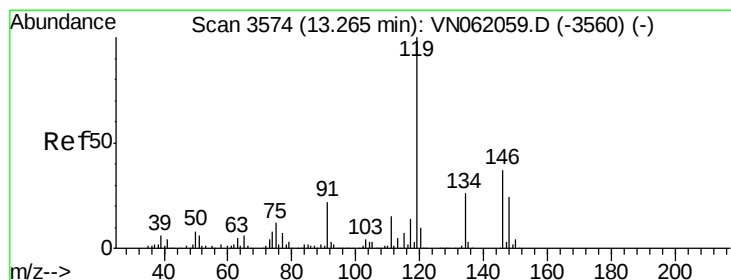
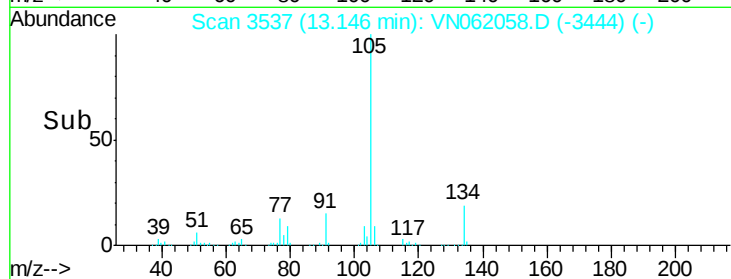
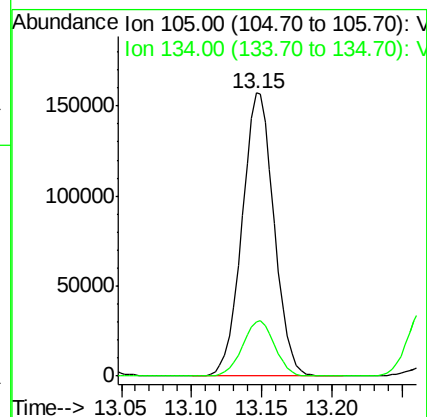
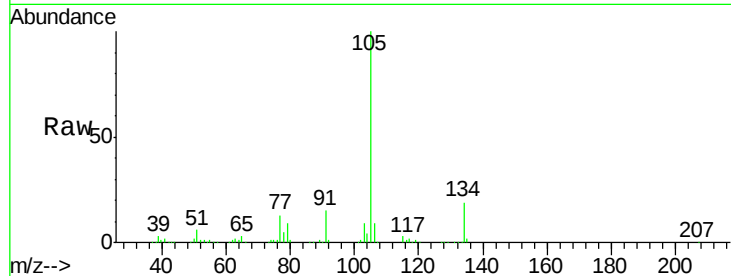




#85
 sec-Butylbenzene
 Concen: 20.660 ug/l
 RT: 13.15 min Scan# 3537
 Delta R.T. -0.00 min
 Lab File: VN062058.D
 Acq: 24 Jun 2020 10:30

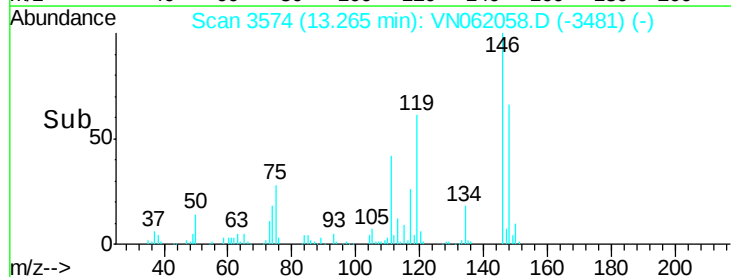
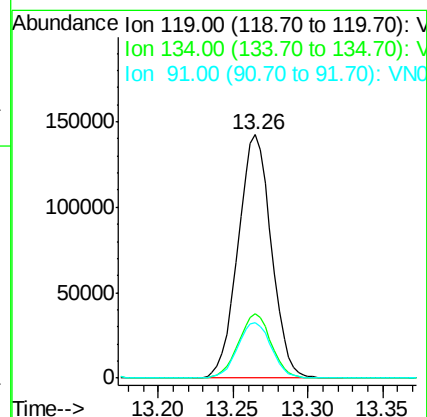
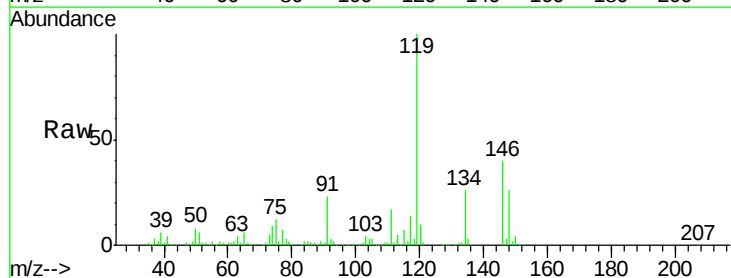
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

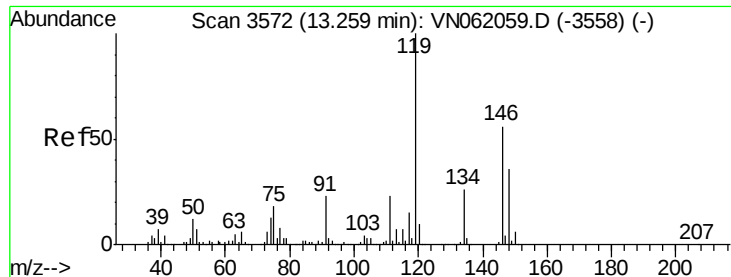
Tgt Ion:105 Resp: 247898
 Ion Ratio Lower Upper
 105 100
 134 19.7 9.7 29.1



#86
 p-Isopropyltoluene
 Concen: 20.713 ug/l
 RT: 13.26 min Scan# 3574
 Delta R.T. -0.00 min
 Lab File: VN062058.D
 Acq: 24 Jun 2020 10:30

Tgt Ion:119 Resp: 220630
 Ion Ratio Lower Upper
 119 100
 134 26.1 13.0 39.0
 91 22.8 11.3 33.8





#87

1,3-Dichlorobenzene

Concen: 19.297 ug/l

RT: 13.26 min Scan# 3572

Delta R.T. -0.00 min

Lab File: VN062058.D

Acq: 24 Jun 2020 10:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

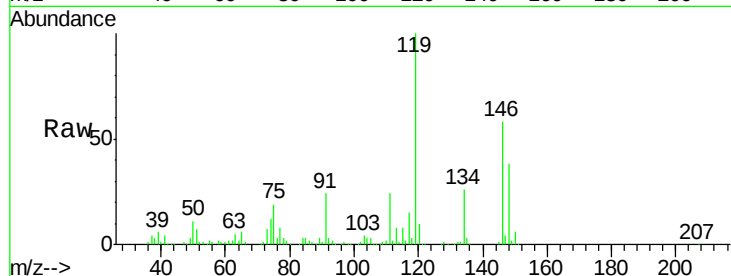
Tgt Ion:146 Resp: 115002

Ion Ratio Lower Upper

146 100

111 41.5 20.3 61.0

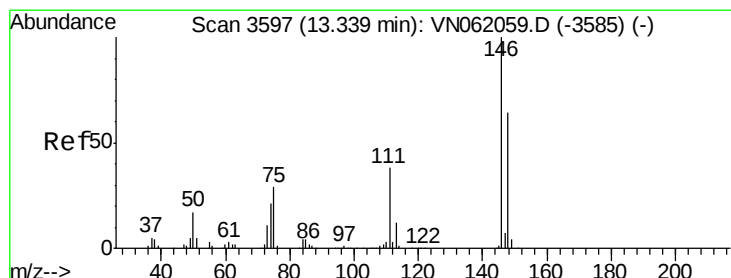
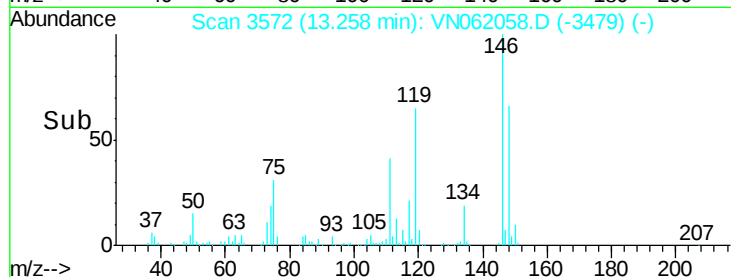
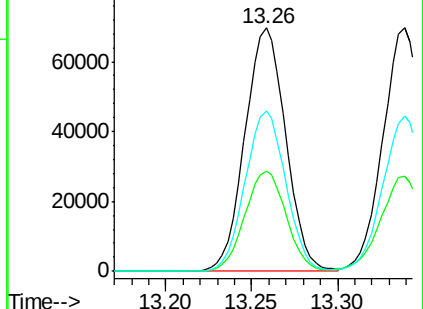
148 65.5 31.8 95.3



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: 19.030 ug/l

RT: 13.34 min Scan# 3597

Delta R.T. -0.00 min

Lab File: VN062058.D

Acq: 24 Jun 2020 10:30

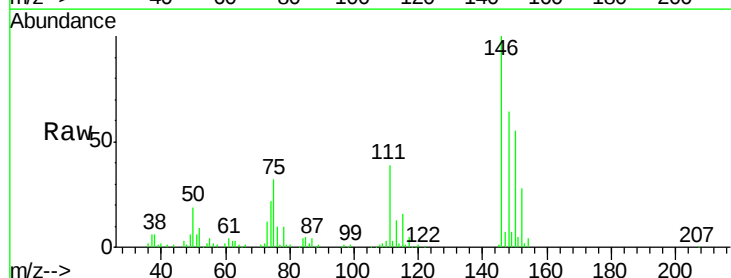
Tgt Ion:146 Resp: 116050

Ion Ratio Lower Upper

146 100

111 41.0 19.9 59.6

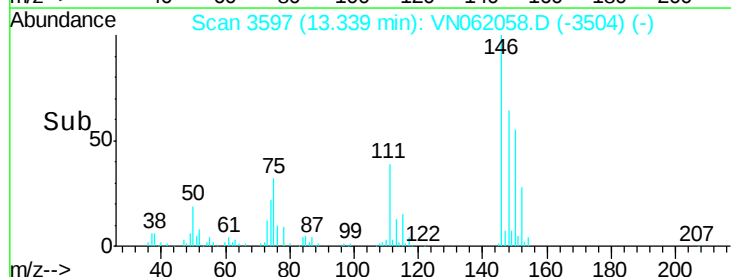
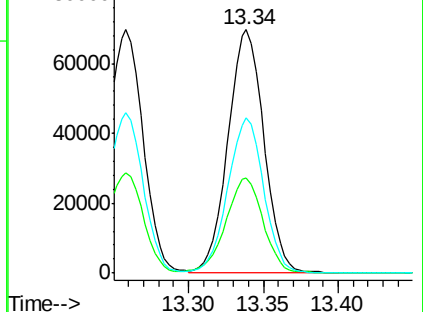
148 64.1 31.9 95.9

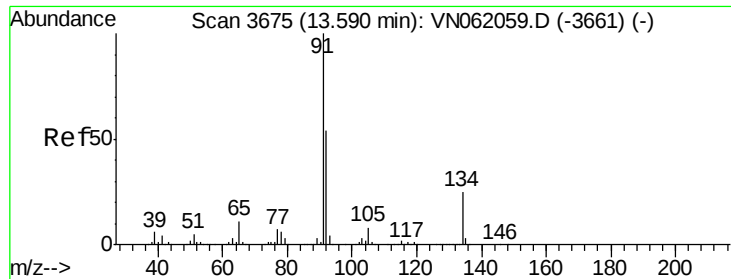


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

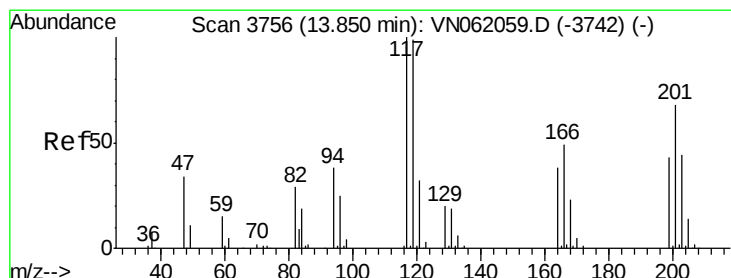
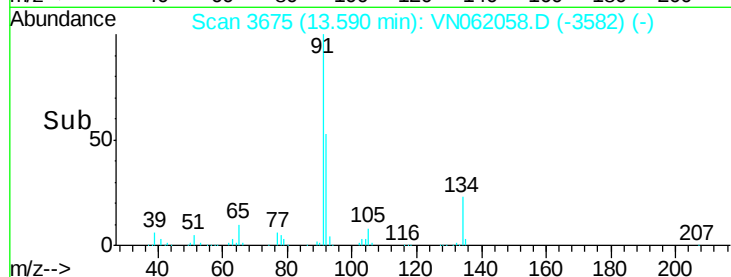
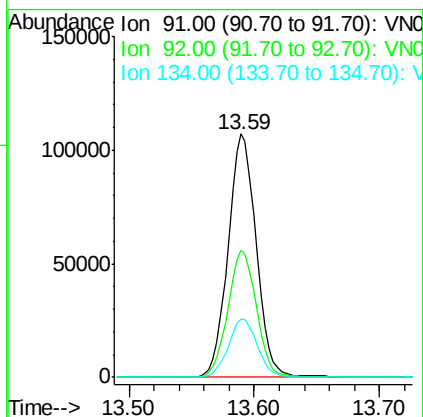
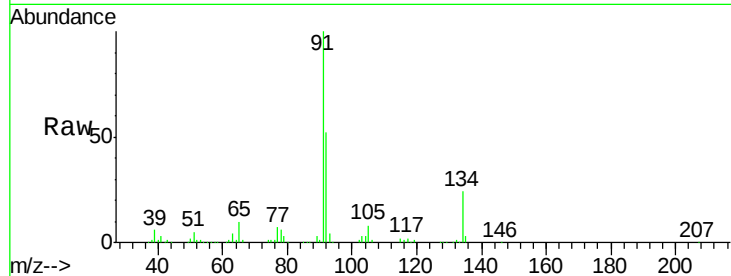




#89
n-Butylbenzene
Concen: 18.737 ug/l
RT: 13.59 min Scan# 3675
Delta R.T. -0.00 min
Lab File: VN062058.D
Acq: 24 Jun 2020 10:30

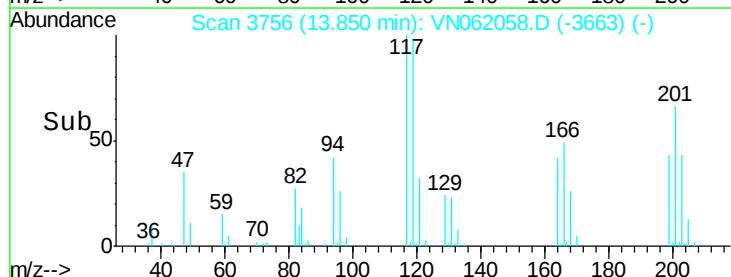
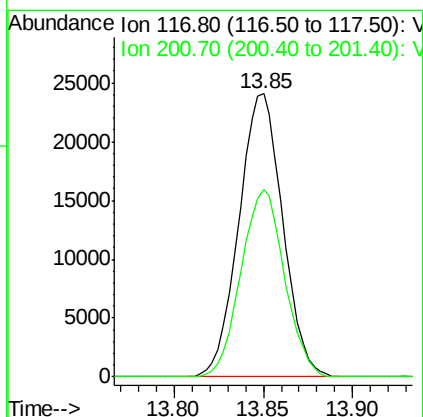
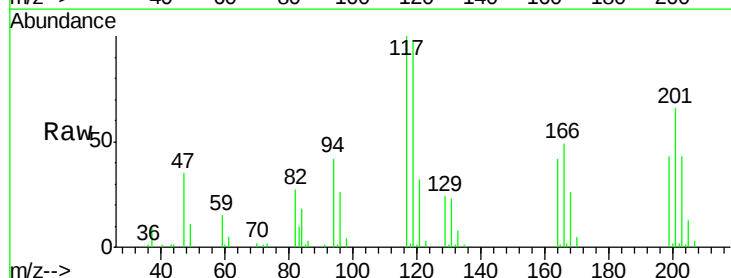
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tgt Ion: 91 Resp: 167366
Ion Ratio Lower Upper
91 100
92 53.0 26.6 79.7
134 24.8 12.3 36.9



#90
Hexachloroethane
Concen: 21.094 ug/l
RT: 13.85 min Scan# 3756
Delta R.T. -0.00 min
Lab File: VN062058.D
Acq: 24 Jun 2020 10:30

Tgt Ion: 117 Resp: 41430
Ion Ratio Lower Upper
117 100
201 65.4 32.7 98.1

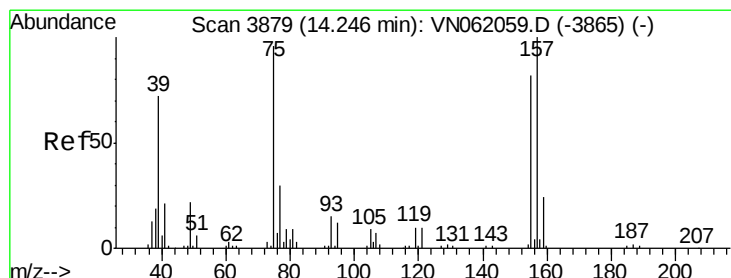
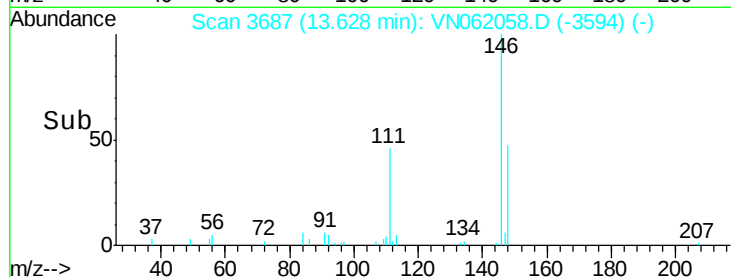
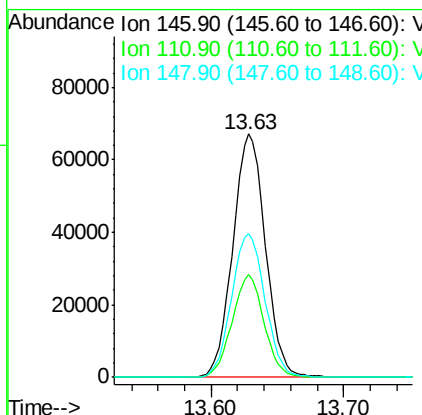
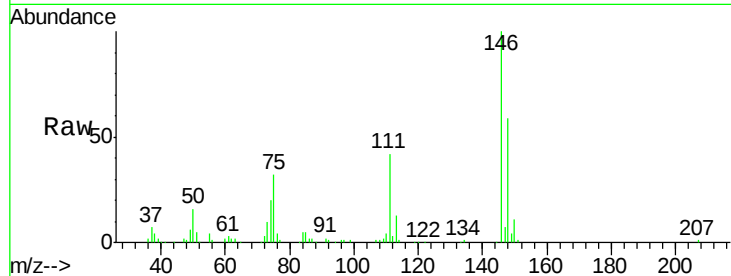




#91
 1,2-Dichlorobenzene
 Concen: 20.031 ug/l
 RT: 13.63 min Scan# 3687
 Delta R.T. -0.00 min
 Lab File: VN062058.D
 Acq: 24 Jun 2020 10:30

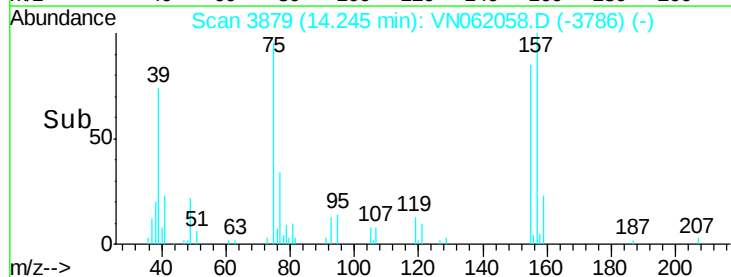
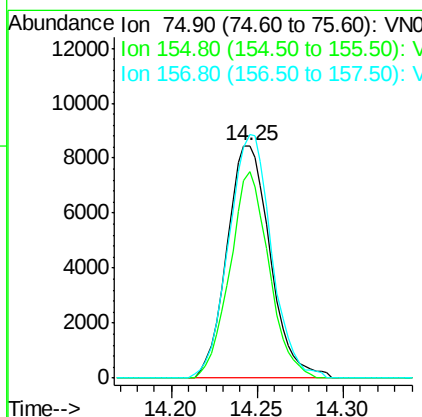
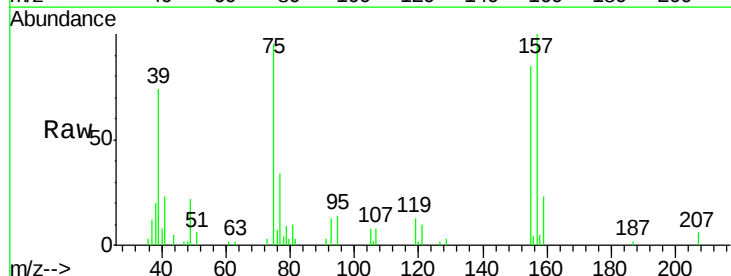
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

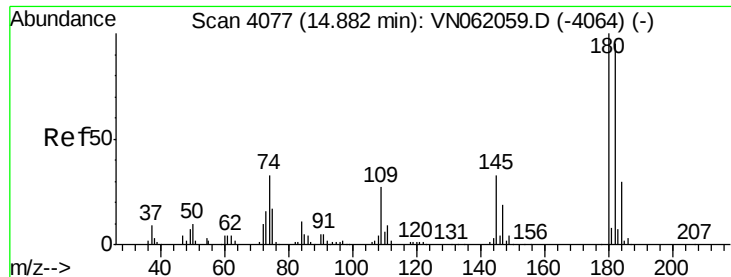
Tgt Ion: 146 Resp: 114720
 Ion Ratio Lower Upper
 146 100
 111 41.1 21.2 63.6
 148 60.4 31.9 95.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.290 ug/l
 RT: 14.25 min Scan# 3879
 Delta R.T. -0.00 min
 Lab File: VN062058.D
 Acq: 24 Jun 2020 10:30

Tgt Ion: 75 Resp: 14775
 Ion Ratio Lower Upper
 75 100
 155 80.4 40.8 122.4
 157 103.9 51.4 154.3

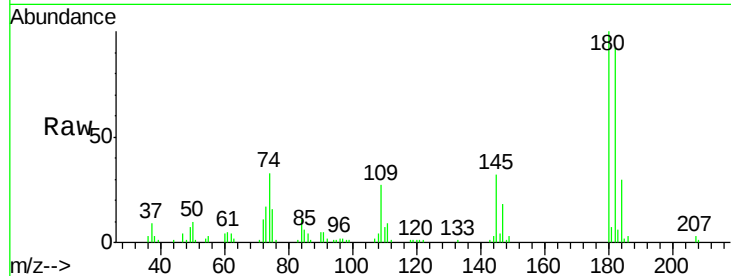




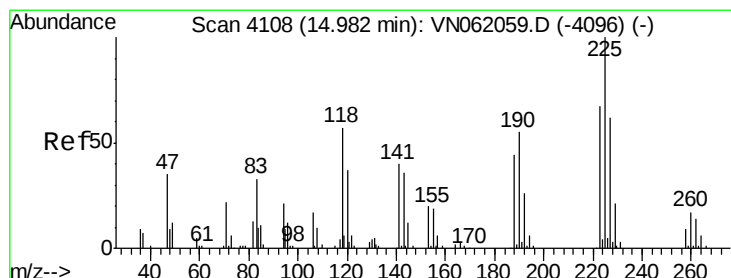
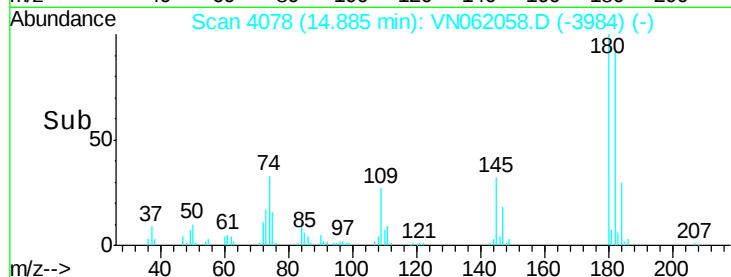
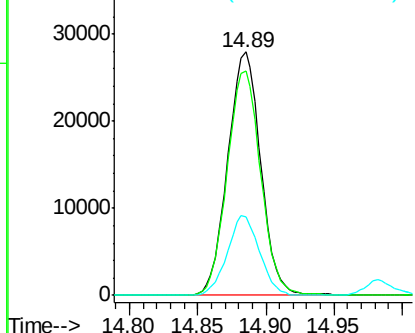
#93
 1,2,4-Trichlorobenzene
 Concen: 17.515 ug/l
 RT: 14.89 min Scan# 4078
 Delta R.T. 0.00 min
 Lab File: VN062058.D
 Acq: 24 Jun 2020 10:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tgt Ion:180 Resp: 46984
 Ion Ratio Lower Upper
 180 100
 182 93.8 48.0 144.2
 145 31.7 16.0 48.0

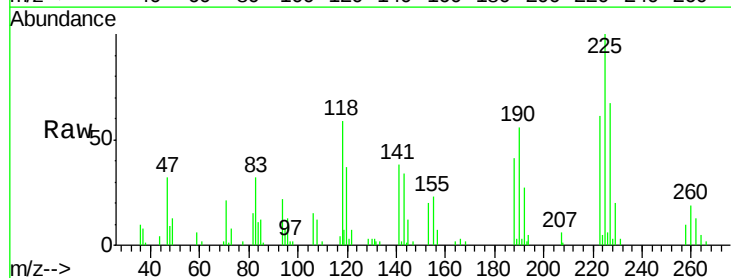


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

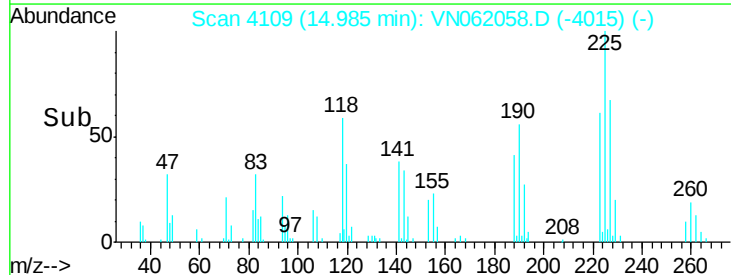
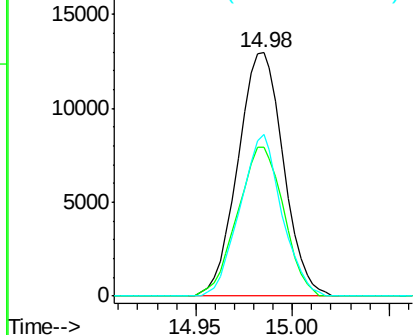


#94
 Hexachlorobutadiene
 Concen: 19.943 ug/l
 RT: 14.98 min Scan# 4109
 Delta R.T. 0.00 min
 Lab File: VN062058.D
 Acq: 24 Jun 2020 10:30

Tgt Ion:225 Resp: 21216
 Ion Ratio Lower Upper
 225 100
 223 61.9 32.9 98.7
 227 61.0 31.3 93.8



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V

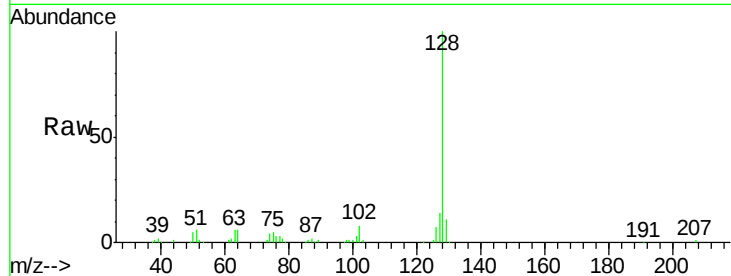




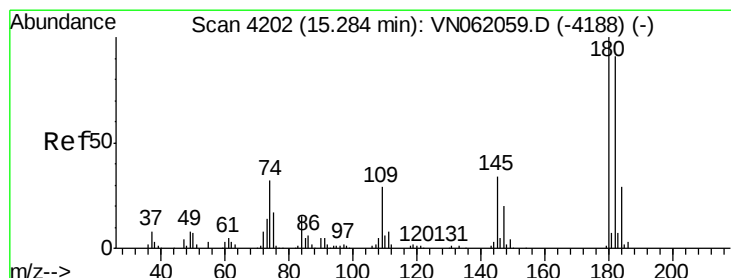
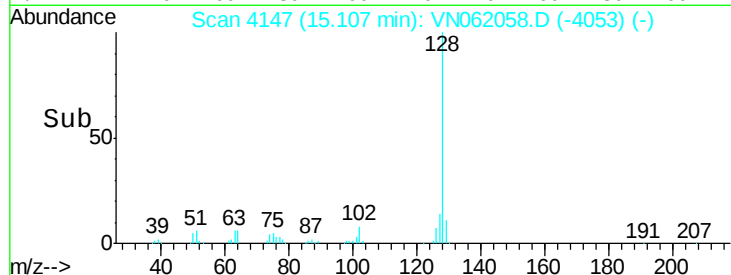
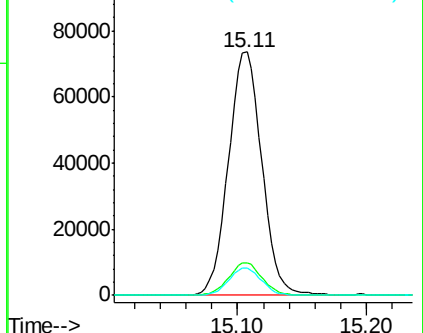
#95
Naphthalene
Concen: 17.074 ug/l
RT: 15.11 min Scan# 4147
Delta R.T. 0.00 min
Lab File: VN062058.D
Acq: 24 Jun 2020 10:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tgt Ion:128 Resp: 132294
Ion Ratio Lower Upper
128 100
127 13.3 10.5 15.7
129 10.8 8.6 13.0

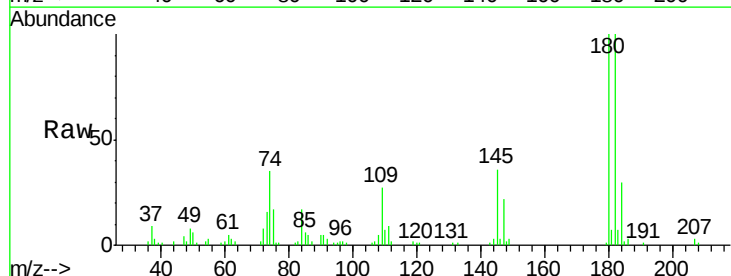


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 17.724 ug/l
RT: 15.28 min Scan# 4202
Delta R.T. -0.00 min
Lab File: VN062058.D
Acq: 24 Jun 2020 10:30

Tgt Ion:180 Resp: 47333
Ion Ratio Lower Upper
180 100
182 97.4 46.8 140.4
145 34.0 16.4 49.2



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

