

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN081720\
 Data File : VN062970.D
 Acq On : 17 Aug 2020 14:14
 Operator : JC/MD
 Sample : VSTDIC020
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Quant Time: Aug 17 15:01:49 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081720W.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 17 14:58:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	221371	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	315386	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	313333	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	146589	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.99	65	43232	12.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	25.44%	
35) Dibromofluoromethane	7.55	113	38449	18.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	36.00%	
50) Toluene-d8	10.06	98	151469	18.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	36.28%	
62) 4-Bromofluorobenzene	12.38	95	51473	16.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	33.20%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.83	85	55353	18.089	ug/l 100
3) Chloromethane	2.04	50	50028	17.172	ug/l 98
4) Vinyl Chloride	2.16	62	58376	20.265	ug/l 99
5) Bromomethane	2.52	94	43633	22.838	ug/l 100
6) Chloroethane	2.66	64	42562	22.530	ug/l 93
7) Trichlorofluoromethane	2.98	101	85071	17.341	ug/l 98
8) Diethyl Ether	3.37	74	21063	15.113	ug/l 100
9) 1,1,2-Trichlorotrifluoroet	3.72	101	36648	16.734	ug/l 99
10) Methyl Iodide	3.91	142	48695	19.898	ug/l 100
11) Tert butyl alcohol	4.74	59	37437	67.917	ug/l 97
12) 1,1-Dichloroethene	3.70	96	33174	15.966	ug/l 96
13) Acrolein	3.57	56	20034	58.564	ug/l 96
14) Allyl chloride	4.27	41	50597	13.519	ug/l 100
15) Acrylonitrile	4.93	53	101116	75.624	ug/l 99
16) Acetone	3.78	43	76721	61.611	ug/l 99
17) Carbon Disulfide	4.01	76	90222	14.743	ug/l 100
18) Methyl Acetate	4.28	43	43272	12.902	ug/l 99
19) Methyl tert-butyl Ether	4.99	73	117732	14.393	ug/l 97
20) Methylene Chloride	4.50	84	42424	15.987	ug/l 95
21) trans-1,2-Dichloroethene	4.99	96	37188	17.031	ug/l 92
22) Diisopropyl ether	5.90	45	119636	15.091	ug/l 95
23) Vinyl Acetate	5.84	43	393014	65.553	ug/l 99
24) 1,1-Dichloroethane	5.80	63	70523	15.091	ug/l 99
25) 2-Butanone	6.79	43	121890	69.467	ug/l 97
26) 2,2-Dichloropropane	6.78	77	56449	13.403	ug/l 100
27) cis-1,2-Dichloroethene	6.78	96	44328	17.008	ug/l 98
28) Bromochloromethane	7.15	49	35026	15.499	ug/l 100
29) Tetrahydrofuran	7.17	42	82320	72.050	ug/l 98
30) Chloroform	7.33	83	75398	15.310	ug/l 97
31) Cyclohexane	7.62	56	67391	15.817	ug/l # 96
32) 1,1,1-Trichloroethane	7.53	97	61058	14.057	ug/l 99
36) 1,1-Dichloropropene	7.75	75	50357	16.848	ug/l 99
37) Ethyl Acetate	6.89	43	46755	15.242	ug/l 98
38) Carbon Tetrachloride	7.73	117	56045	15.898	ug/l 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	66926	18.186	ug/l	97
40) Benzene	8.00	78	163054	17.964	ug/l	100
41) Methacrylonitrile	7.17	41	73086	54.095	ug/l #	8
42) 1,2-Dichloroethane	8.09	62	53794	14.510	ug/l	99
43) Isopropyl Acetate	8.13	43	73841	14.458	ug/l #	91
44) Trichloroethene	8.80	130	44811	19.930	ug/l	93
45) 1,2-Dichloropropane	9.09	63	44885	18.418	ug/l	99
46) Dibromomethane	9.18	93	29124	18.221	ug/l	98
47) Bromodichloromethane	9.37	83	59819	16.935	ug/l	97
48) Methyl methacrylate	9.17	41	35540	14.193	ug/l	97
49) 1,4-Dioxane	9.17	88	15863	337.677	ug/l	94
51) 4-Methyl-2-Pentanone	9.95	43	261716	79.335	ug/l	99
52) Toluene	10.12	92	108143	19.261	ug/l	99
53) t-1,3-Dichloropropene	10.35	75	64738	16.729	ug/l	99
54) cis-1,3-Dichloropropene	9.81	75	69242	17.537	ug/l	99
55) 1,1,2-Trichloroethane	10.53	97	47811	19.885	ug/l	98
56) Ethyl methacrylate	10.40	69	62397	17.710	ug/l	99
57) 1,3-Dichloropropane	10.68	76	75340	18.749	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.66	63	60358	61.899	ug/l	98
59) 2-Hexanone	10.72	43	198783	81.204	ug/l	99
60) Dibromochloromethane	10.87	129	52975	19.463	ug/l	100
61) 1,2-Dibromoethane	10.98	107	47019	19.846	ug/l	100
64) Tetrachloroethene	10.60	164	41861	20.424	ug/l	97
65) Chlorobenzene	11.41	112	125756	19.284	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.48	131	49348	18.989	ug/l	98
67) Ethyl Benzene	11.48	91	205934	17.895	ug/l	97
68) m/p-Xylenes	11.60	106	162268	38.463	ug/l	99
69) o-Xylene	11.92	106	75638	19.175	ug/l	100
70) Styrene	11.94	104	132717	19.153	ug/l	99
71) Bromoform	12.10	173	41168	19.176	ug/l #	100
73) Isopropylbenzene	12.22	105	201320	18.628	ug/l	99
74) N-amyl acetate	12.05	43	63217	15.001	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.48	83	67489	17.756	ug/l	97
76) 1,2,3-Trichloropropane	12.53	75	81681	21.523	ug/l #	100
77) Bromobenzene	12.50	156	56743	20.594	ug/l	99
78) n-propylbenzene	12.57	91	222891	17.630	ug/l	99
79) 2-Chlorotoluene	12.65	91	135454	17.167	ug/l	100
80) 1,3,5-Trimethylbenzene	12.71	105	170754	18.246	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.27	75	20628	16.728	ug/l	97
82) 4-Chlorotoluene	12.75	91	140093	17.191	ug/l	100
83) tert-Butylbenzene	12.97	119	142588	17.921	ug/l	97
84) 1,2,4-Trimethylbenzene	13.01	105	160829	17.952	ug/l	98
85) sec-Butylbenzene	13.15	105	192024	18.403	ug/l	99
86) p-Isopropyltoluene	13.26	119	167134	18.025	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	94098	19.273	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	95193	19.375	ug/l	98
89) n-Butylbenzene	13.59	91	122204	15.691	ug/l	99
90) Hexachloroethane	13.85	117	34174	17.227	ug/l	99
91) 1,2-Dichlorobenzene	13.63	146	91908	20.010	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.25	75	11109	14.162	ug/l	96

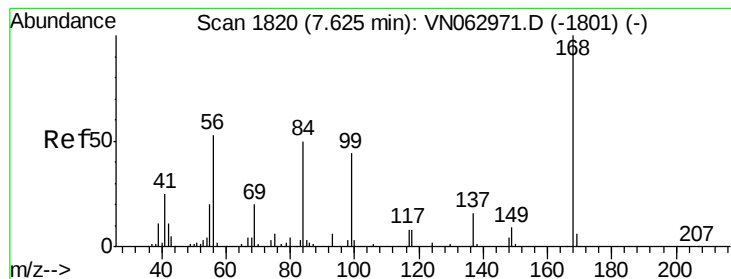
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN081720\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	40556	18.650	ug/l	99
94) Hexachlorobutadiene	14.98	225	33854	20.762	ug/l	99
95) Naphthalene	15.10	128	90645	16.241	ug/l	99
96) 1,2,3-Trichlorobenzene	15.28	180	42059	19.982	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: VN062970.D

Acq: 17 Aug 2020 14:14

Instrument :

MSVOA_N

ClientSampleId :

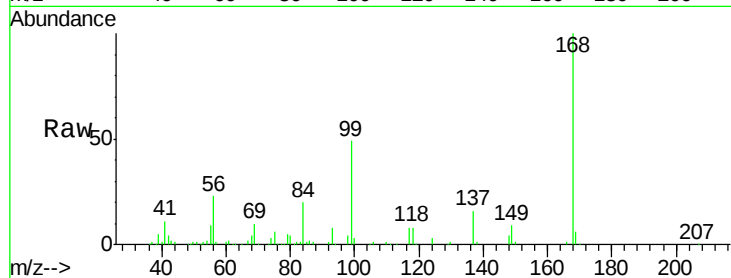
VSTDIC020

Tgt Ion:168 Resp: 221371

Ion Ratio Lower Upper

168 100

99 48.9 39.4 59.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.63

100000

80000

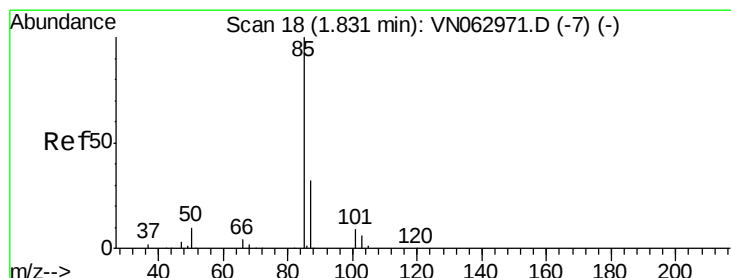
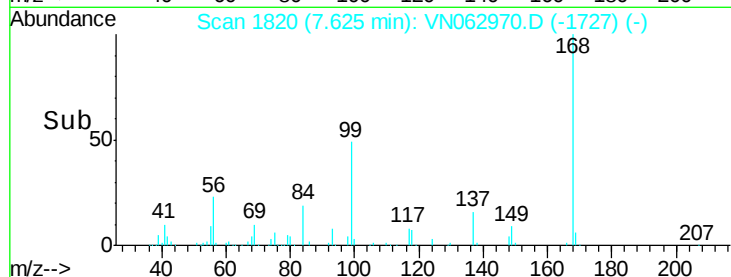
60000

40000

20000

0

Time--> 7.50 7.60 7.70



#2

Dichlorodifluoromethane

Concen: 18.089 ug/l

RT: 1.83 min Scan# 18

Delta R.T. 0.00 min

Lab File: VN062970.D

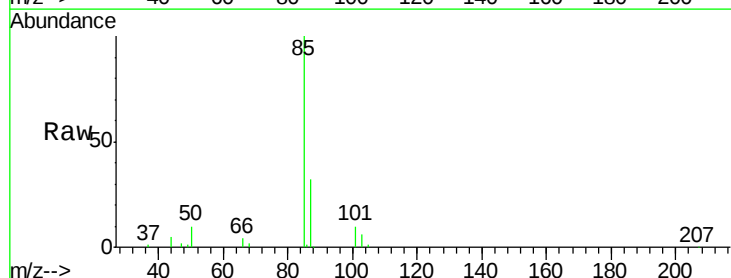
Acq: 17 Aug 2020 14:14

Tgt Ion: 85 Resp: 55353

Ion Ratio Lower Upper

85 100

87 32.1 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

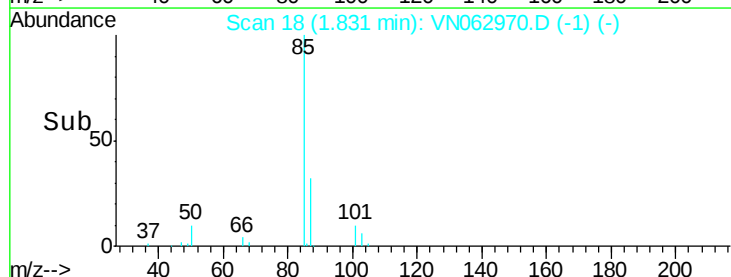
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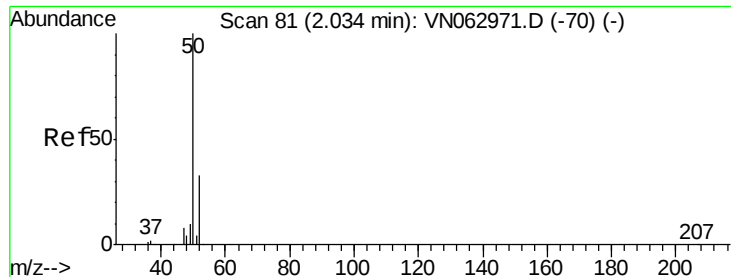
20000

10000

0

Time--> 1.80 1.85 1.90





#3

Chloromethane

Concen: 17.172 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN062970.D

Acq: 17 Aug 2020 14:14

Instrument :

MSVOA_N

ClientSampleId :

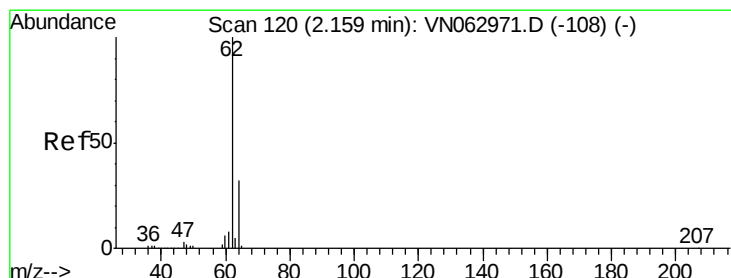
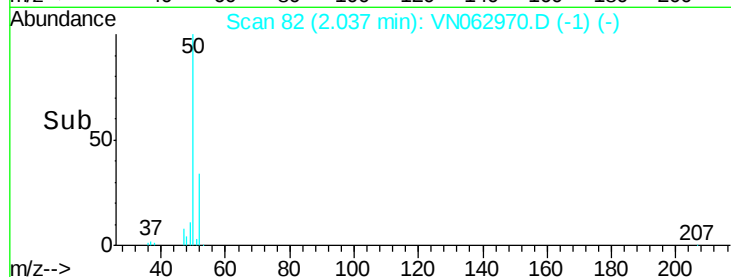
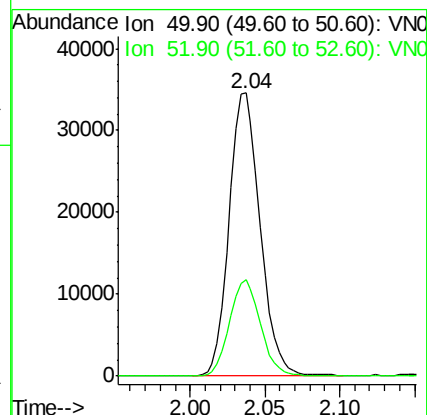
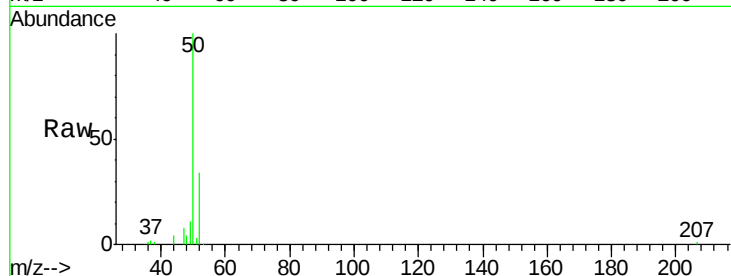
VSTDIC020

Tgt Ion: 50 Resp: 50028

Ion Ratio Lower Upper

50 100

52 34.0 26.2 39.2



#4

Vinyl Chloride

Concen: 20.265 ug/l

RT: 2.16 min Scan# 120

Delta R.T. 0.00 min

Lab File: VN062970.D

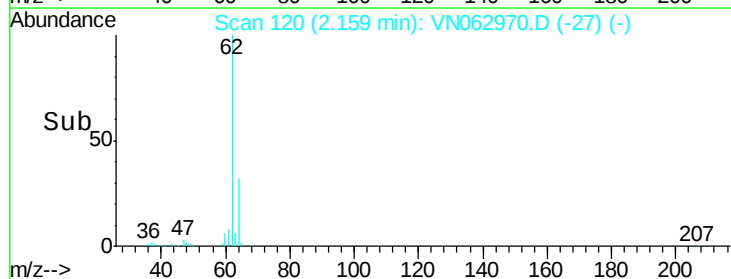
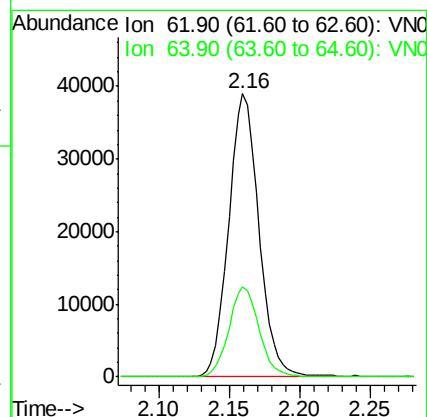
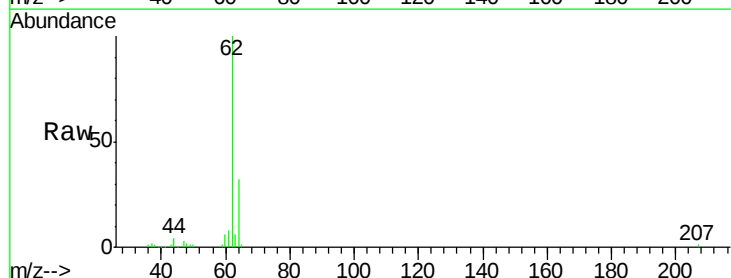
Acq: 17 Aug 2020 14:14

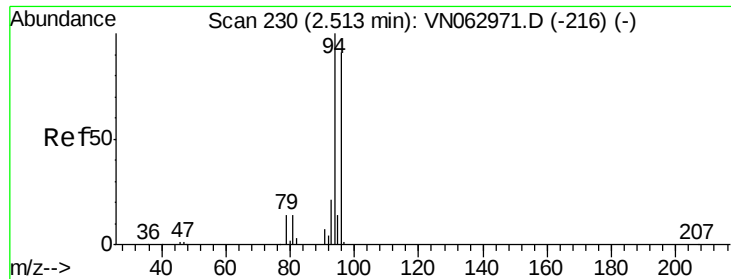
Tgt Ion: 62 Resp: 58376

Ion Ratio Lower Upper

62 100

64 31.8 25.9 38.9





#5

Bromomethane

Concen: 22.838 ug/l

RT: 2.52 min Scan# 233

Delta R.T. 0.01 min

Lab File: VN062970.D

Acq: 17 Aug 2020 14:14

Instrument :

MSVOA_N

ClientSampleId :

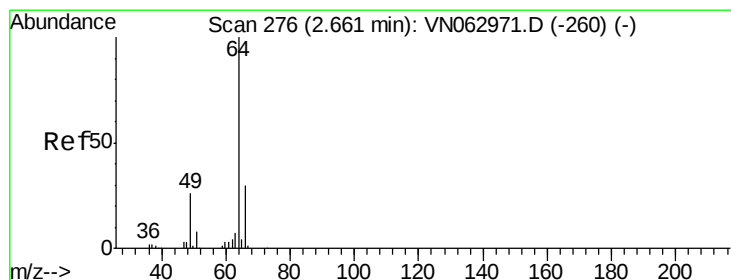
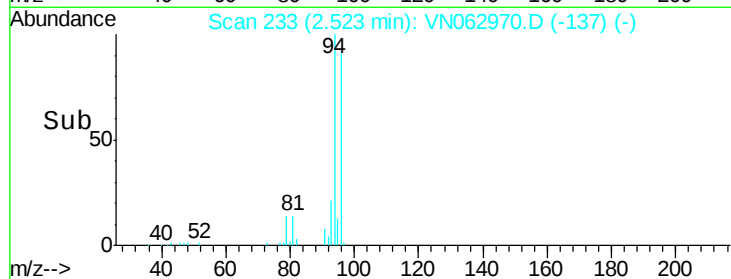
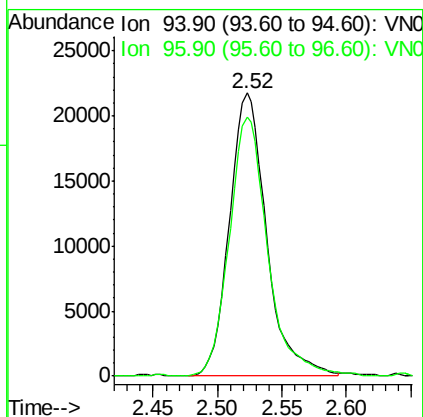
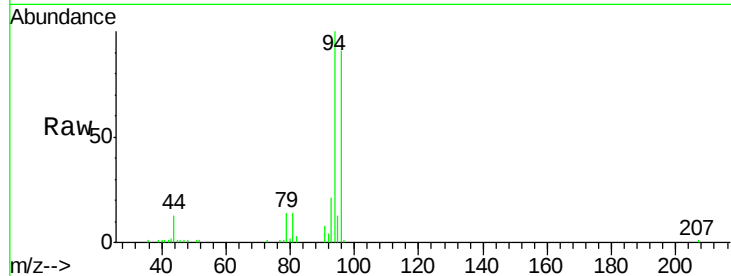
VSTDIC020

Tgt Ion: 94 Resp: 43633

Ion Ratio Lower Upper

94 100

96 91.4 72.9 109.3



#6

Chloroethane

Concen: 22.530 ug/l

RT: 2.66 min Scan# 277

Delta R.T. 0.00 min

Lab File: VN062970.D

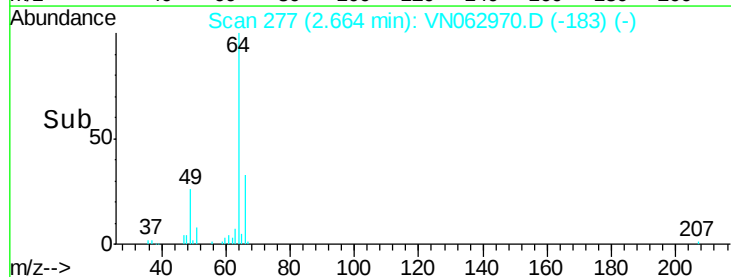
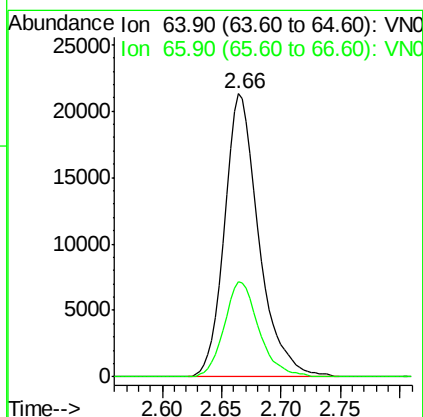
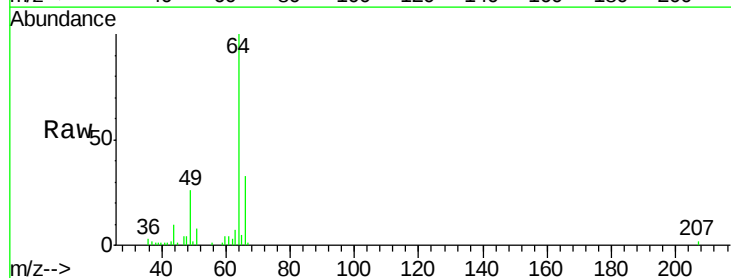
Acq: 17 Aug 2020 14:14

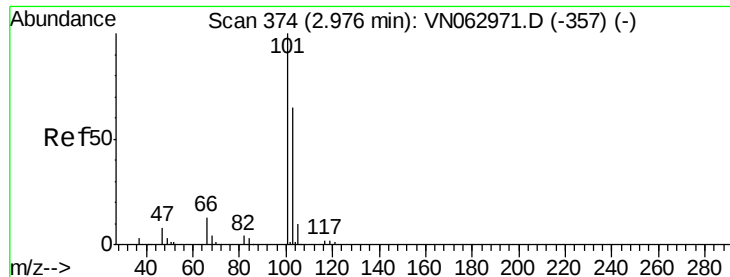
Tgt Ion: 64 Resp: 42562

Ion Ratio Lower Upper

64 100

66 33.4 23.8 35.8



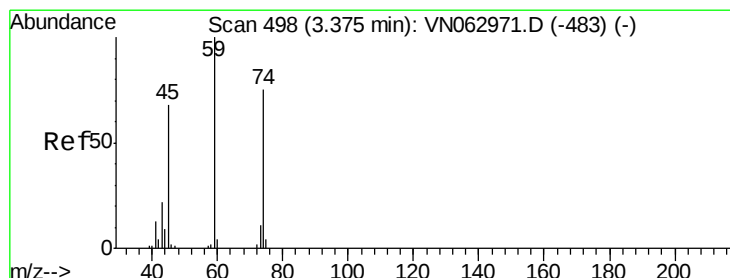
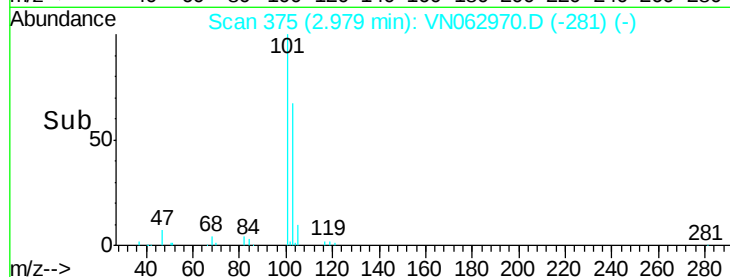
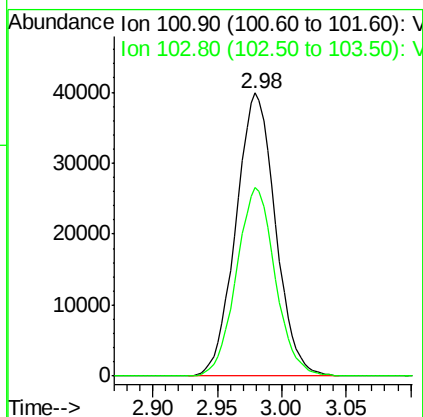
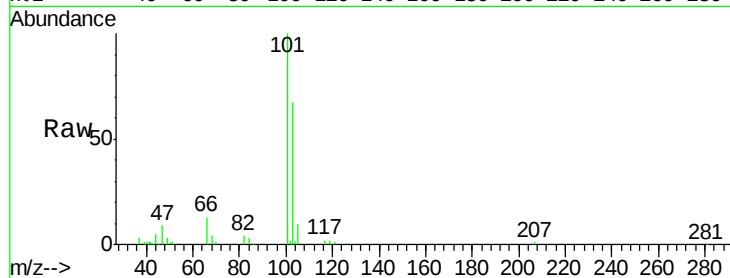


#7

Trichlorofluoromethane
 Concen: 17.341 ug/l
 RT: 2.98 min Scan# 375
 Delta R.T. 0.00 min
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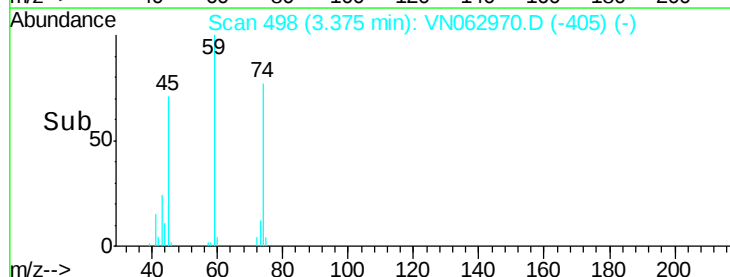
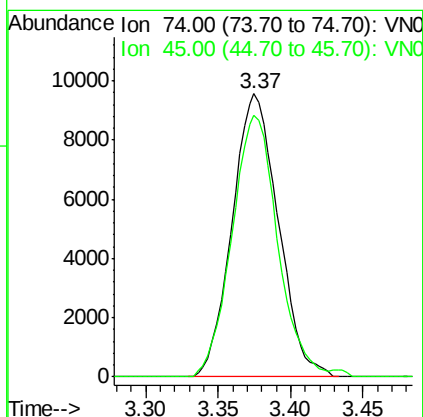
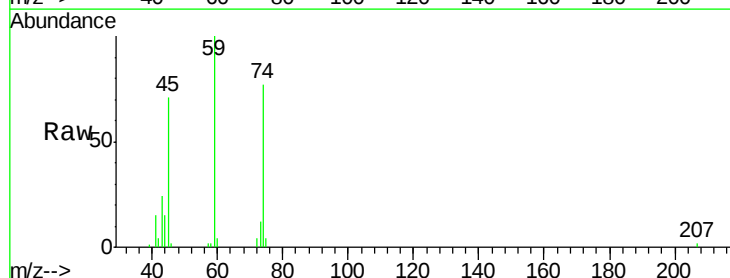
Tgt Ion: 101 Resp: 85071
 Ion Ratio Lower Upper
 101 100
 103 66.6 52.2 78.4

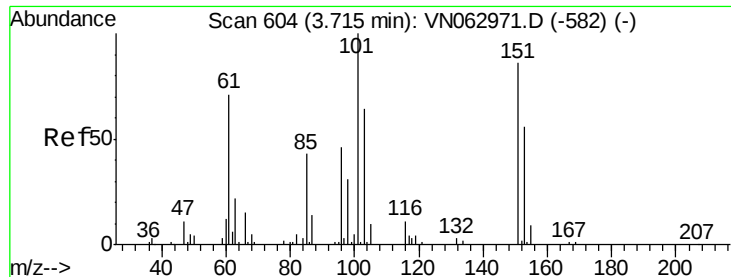


#8

Diethyl Ether
 Concen: 15.113 ug/l
 RT: 3.37 min Scan# 498
 Delta R.T. 0.00 min
 Lab File: VN062970.D
 Acq: 17 Aug 2020 14:14

Tgt Ion: 74 Resp: 21063
 Ion Ratio Lower Upper
 74 100
 45 91.6 45.7 137.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 16.734 ug/l

RT: 3.72 min Scan# 604

Delta R.T. 0.00 min

Lab File: VN062970.D

Acq: 17 Aug 2020 14:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

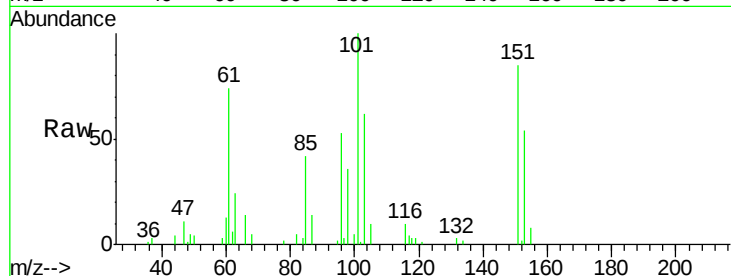
Tgt Ion:101 Resp: 36648

Ion Ratio Lower Upper

101 100

85 43.0 34.1 51.1

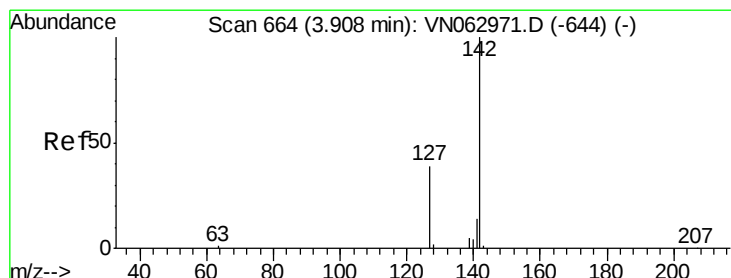
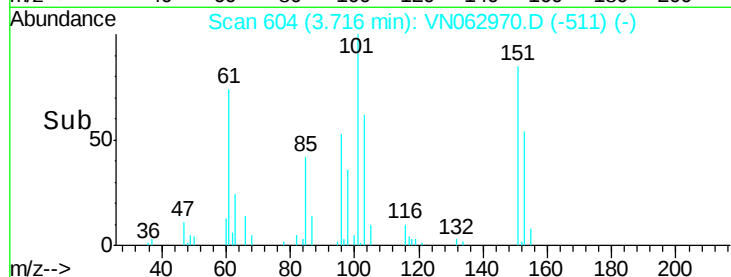
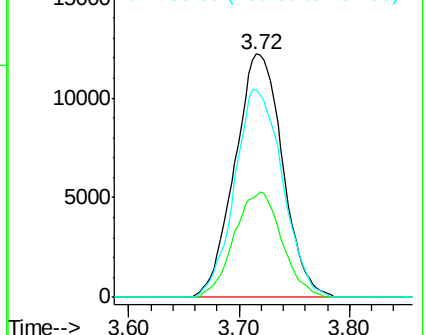
151 85.8 69.3 103.9



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 19.898 ug/l

RT: 3.91 min Scan# 664

Delta R.T. 0.00 min

Lab File: VN062970.D

Acq: 17 Aug 2020 14:14

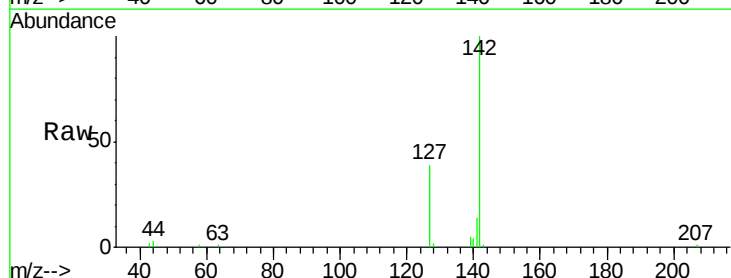
Tgt Ion:142 Resp: 48695

Ion Ratio Lower Upper

142 100

127 40.2 31.9 47.9

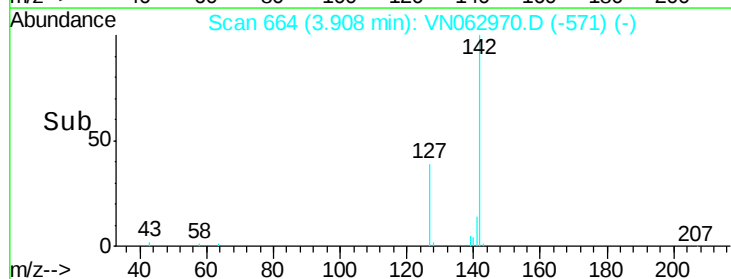
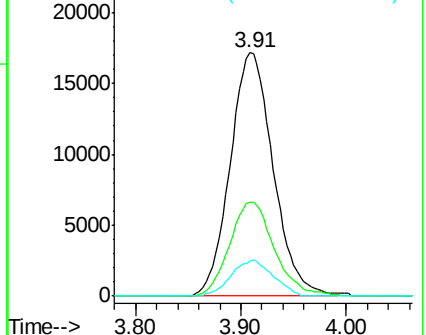
141 14.2 11.4 17.2

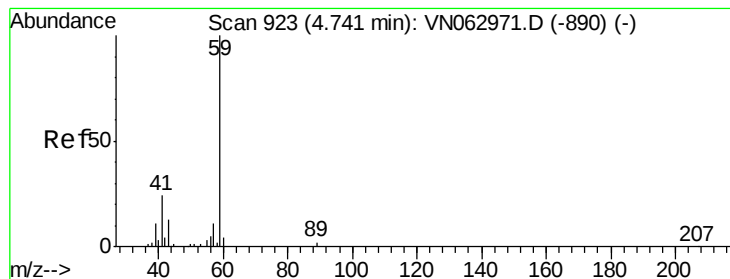


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 67.917 ug/l

RT: 4.74 min Scan# 922

Delta R.T. -0.00 min

Lab File: VN062970.D

Acq: 17 Aug 2020 14:14

Instrument :

MSVOA_N

ClientSampleId :

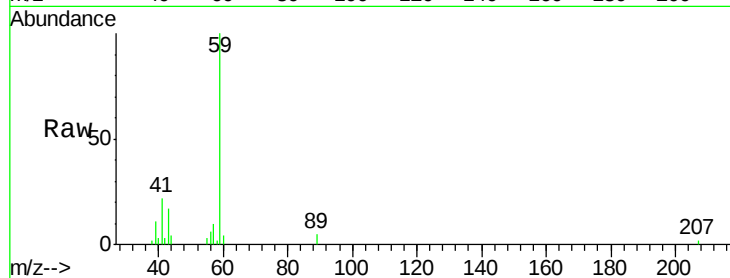
VSTDIC020

Tgt Ion: 59 Resp: 37437

Ion Ratio Lower Upper

59 100

57 8.5 7.6 11.4



Abundance Ion 59.00 (58.70 to 59.70): VN062970.D (-830) (-)

Ion 57.00 (56.70 to 57.70): VN062970.D (-830) (-)

4.74

10000

8000

6000

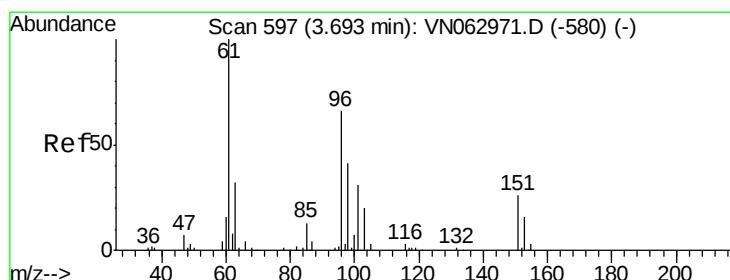
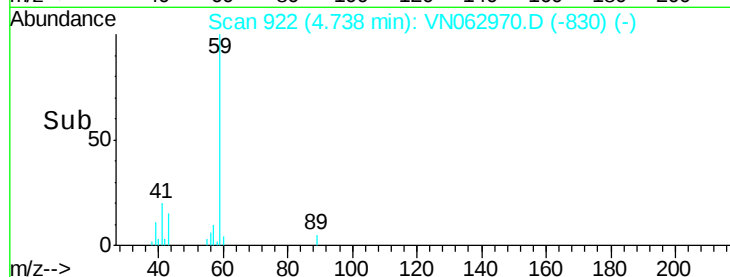
4000

2000

0

Time-->

4.60 4.70 4.80 4.90



#12

1,1-Dichloroethene

Concen: 15.966 ug/l

RT: 3.70 min Scan# 598

Delta R.T. 0.00 min

Lab File: VN062970.D

Acq: 17 Aug 2020 14:14

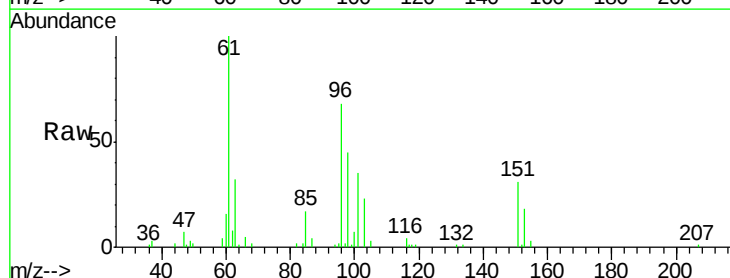
Tgt Ion: 96 Resp: 33174

Ion Ratio Lower Upper

96 100

61 146.2 120.4 180.6

98 65.5 49.8 74.6



Abundance Ion 95.90 (95.60 to 96.60): VN062970.D (-504) (-)

Ion 60.90 (60.60 to 61.60): VN062970.D (-504) (-)

Ion 97.90 (97.60 to 98.60): VN062970.D (-504) (-)

3.70

25000

20000

15000

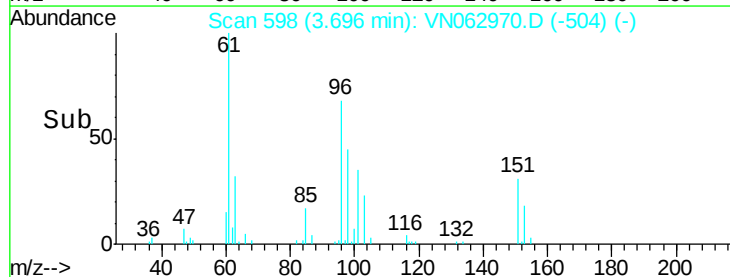
10000

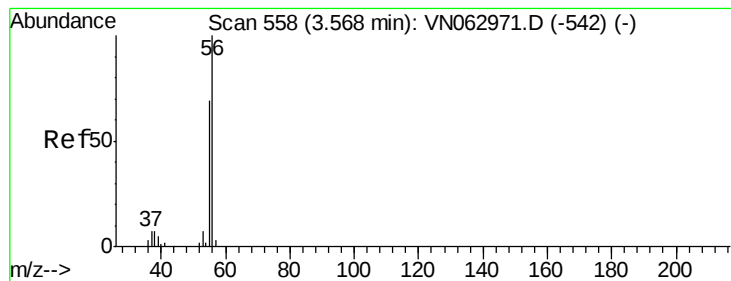
5000

0

Time-->

3.60 3.65 3.70 3.75 3.80





#13

Acrolein

Concen: 58.564 ug/l

RT: 3.57 min Scan# 558

Delta R.T. 0.00 min

Lab File: VN062970.D

Acq: 17 Aug 2020 14:14

Instrument :

MSVOA_N

ClientSampleId :

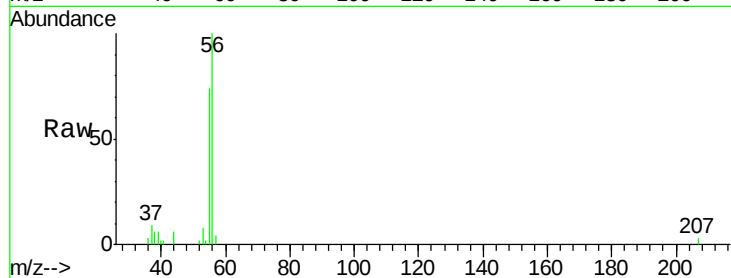
VSTDIC020

Tgt Ion: 56 Resp: 20034

Ion Ratio Lower Upper

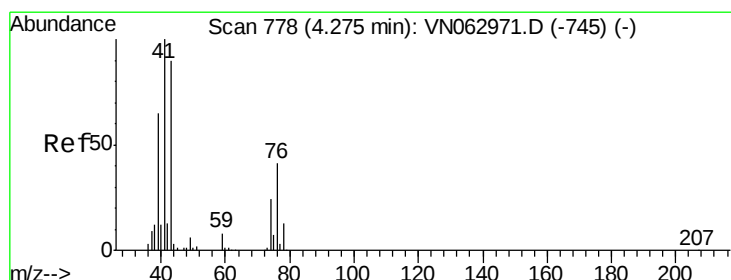
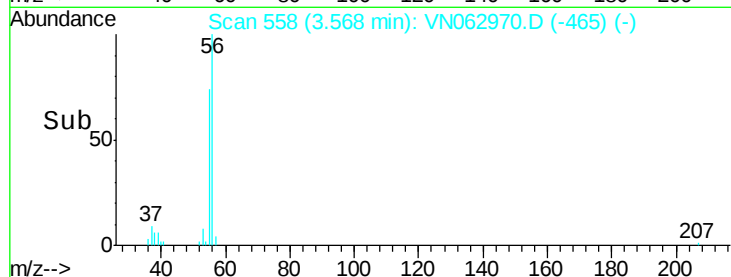
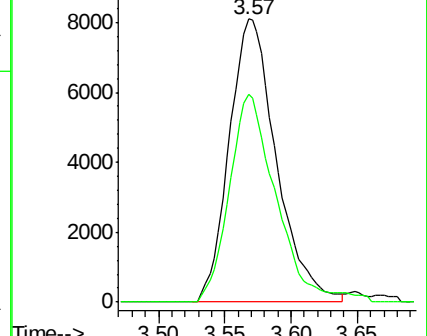
56 100

55 73.2 56.1 84.1



Abundance Ion 56.00 (55.70 to 56.70): VN062970.D (-542) (-)

Ion 55.00 (54.70 to 55.70): VN062970.D (-542) (-)



#14

Allyl chloride

Concen: 13.519 ug/l

RT: 4.27 min Scan# 778

Delta R.T. 0.00 min

Lab File: VN062970.D

Acq: 17 Aug 2020 14:14

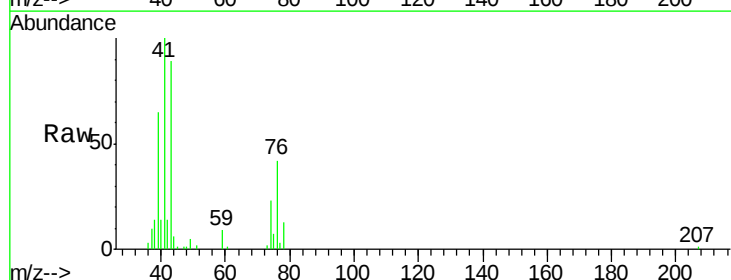
Tgt Ion: 41 Resp: 50597

Ion Ratio Lower Upper

41 100

39 58.7 46.7 70.1

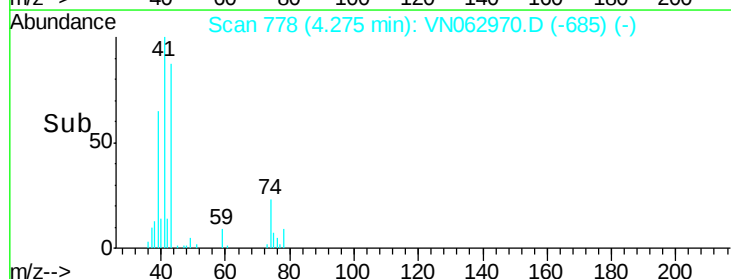
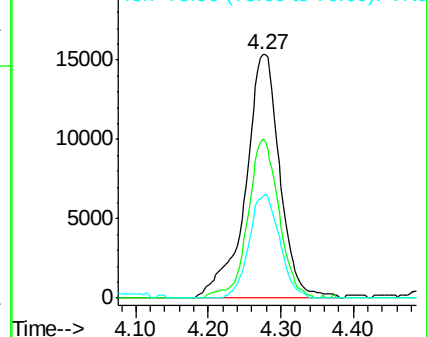
76 37.9 30.2 45.4

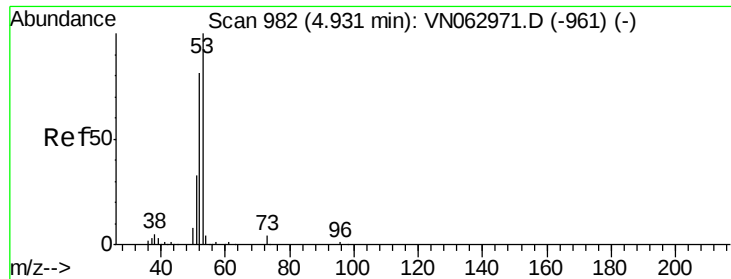


Abundance Ion 41.00 (40.70 to 41.70): VN062970.D (-685) (-)

Ion 39.00 (38.70 to 39.70): VN062970.D (-685) (-)

Ion 75.90 (75.60 to 76.60): VN062970.D (-685) (-)





#15

Acrylonitrile

Concen: 75.624 ug/l

RT: 4.93 min Scan# 983

Delta R.T. 0.00 min

Lab File: VN062970.D

Acq: 17 Aug 2020 14:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

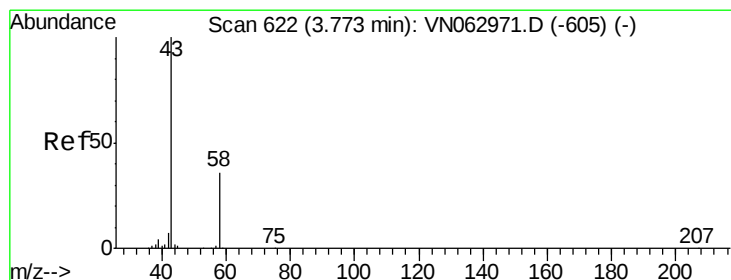
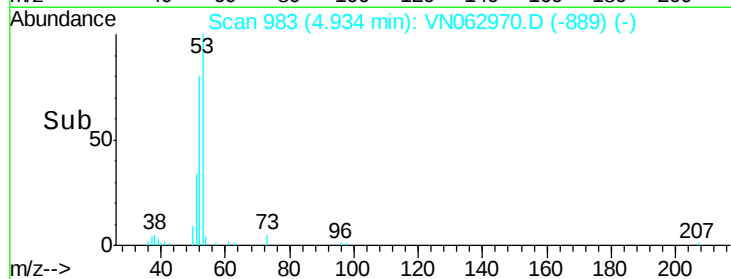
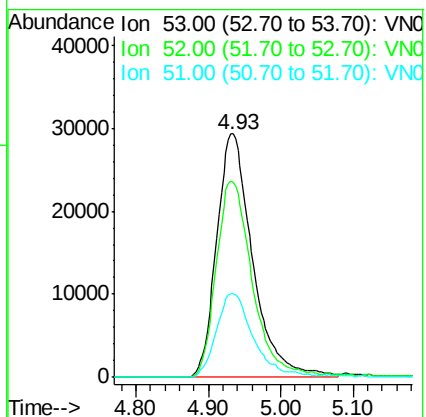
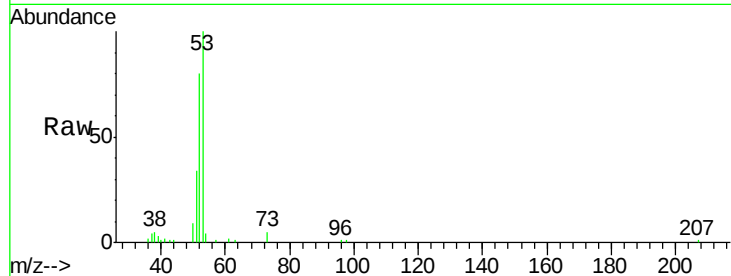
Tgt Ion: 53 Resp: 101116

Ion Ratio Lower Upper

53 100

52 80.5 65.0 97.6

51 34.3 27.4 41.2



#16

Acetone

Concen: 61.611 ug/l

RT: 3.78 min Scan# 624

Delta R.T. 0.01 min

Lab File: VN062970.D

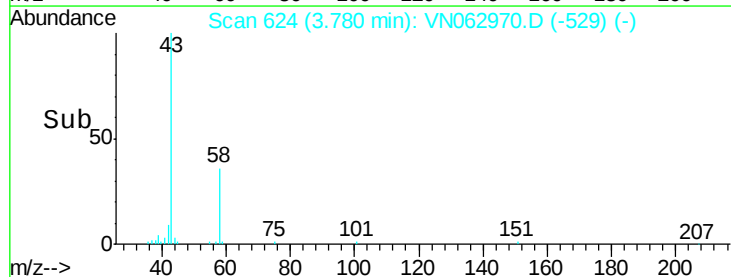
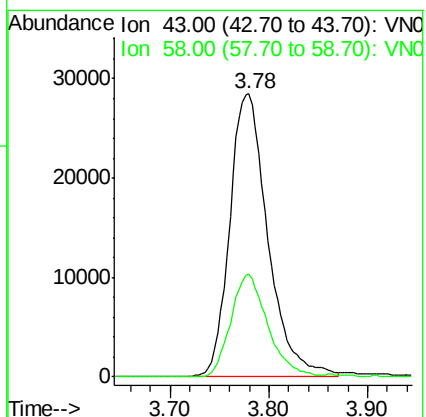
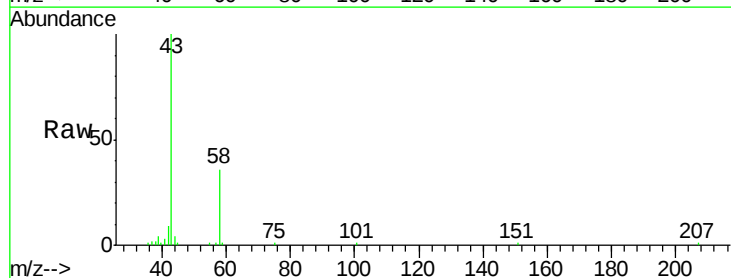
Acq: 17 Aug 2020 14:14

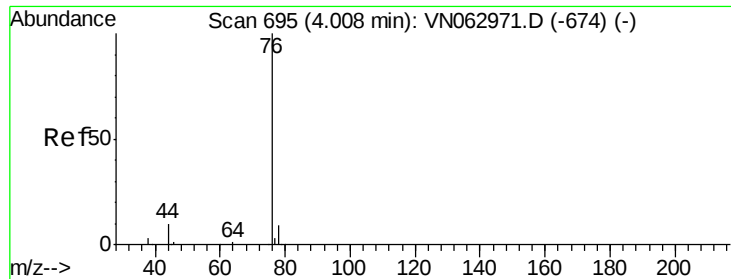
Tgt Ion: 43 Resp: 76721

Ion Ratio Lower Upper

43 100

58 36.2 28.7 43.1

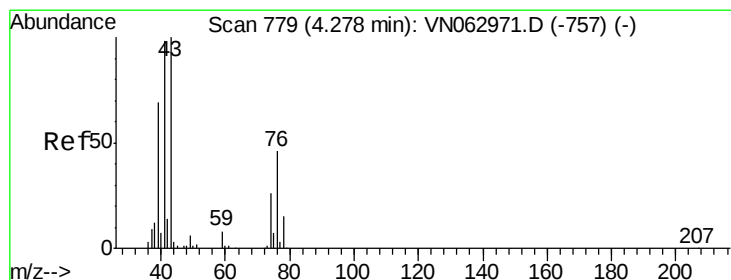
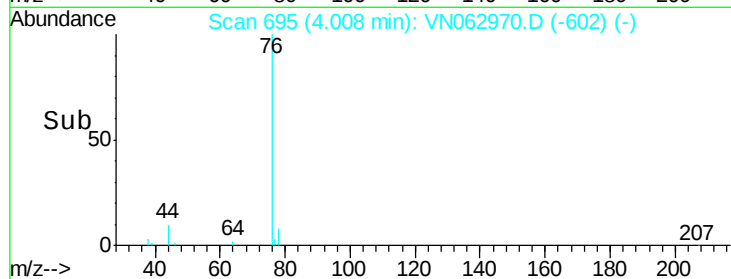
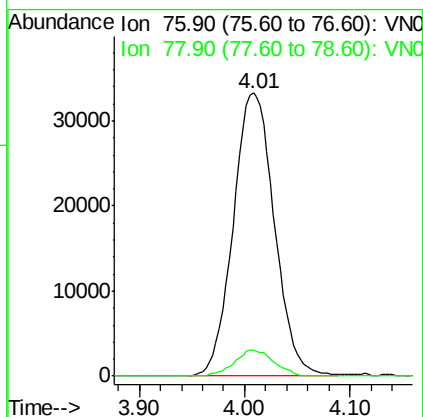
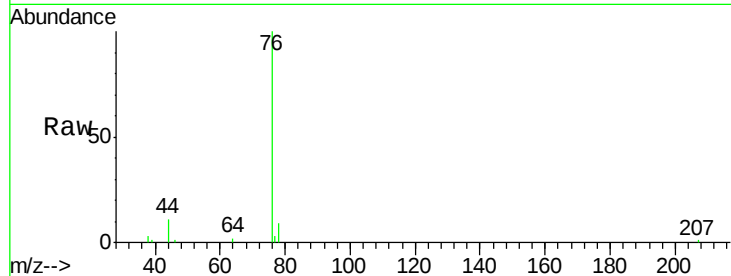




#17
Carbon Disulfide
Concen: 14.743 ug/l
RT: 4.01 min Scan# 695
Delta R.T. 0.00 min
Lab File: VN062970.D
Acq: 17 Aug 2020 14:14

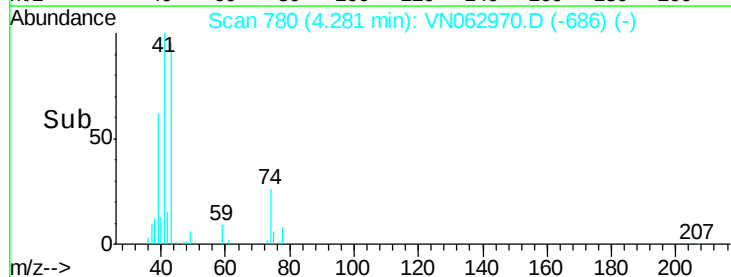
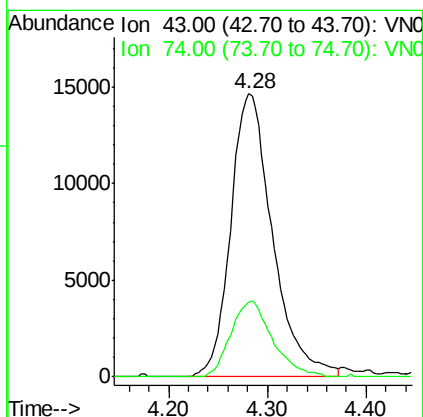
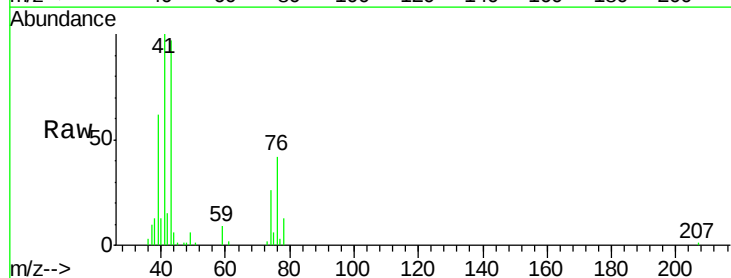
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

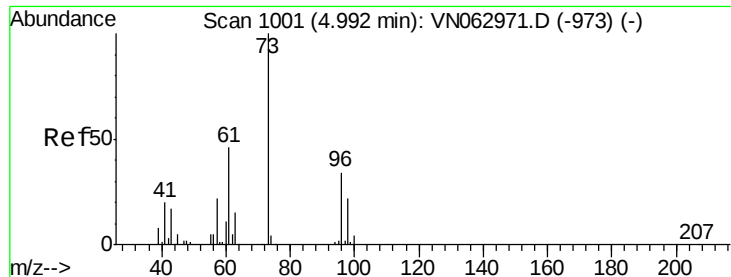
Tgt Ion: 76 Resp: 90222
Ion Ratio Lower Upper
76 100
78 9.3 7.4 11.0



#18
Methyl Acetate
Concen: 12.902 ug/l
RT: 4.28 min Scan# 780
Delta R.T. 0.00 min
Lab File: VN062970.D
Acq: 17 Aug 2020 14:14

Tgt Ion: 43 Resp: 43272
Ion Ratio Lower Upper
43 100
74 26.6 21.6 32.4

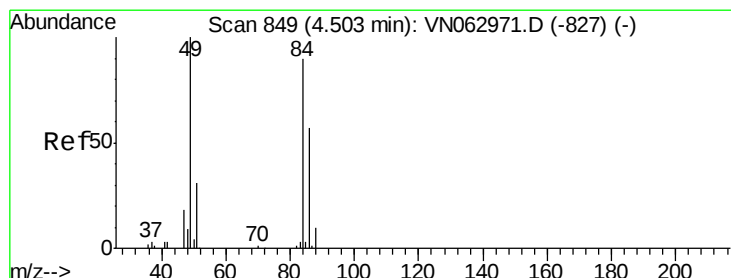
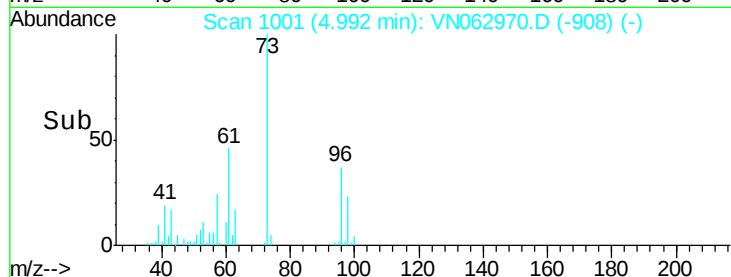
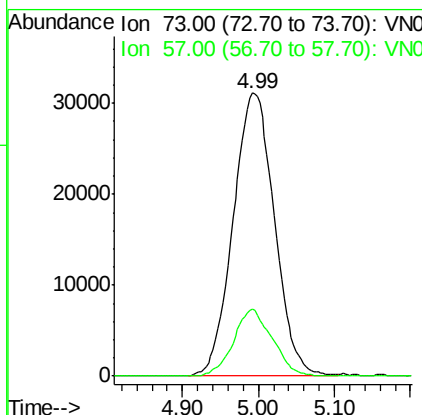
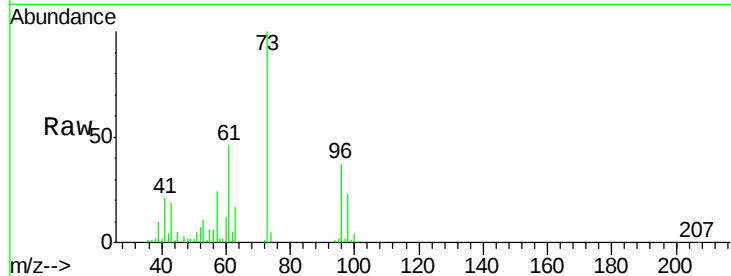




#19
Methyl tert-butyl Ether
Concen: 14.393 ug/l
RT: 4.99 min Scan# 1001
Delta R.T. 0.00 min
Lab File: VN062970.D
Acq: 17 Aug 2020 14:14

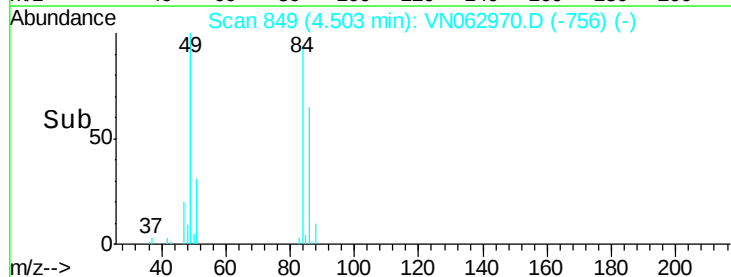
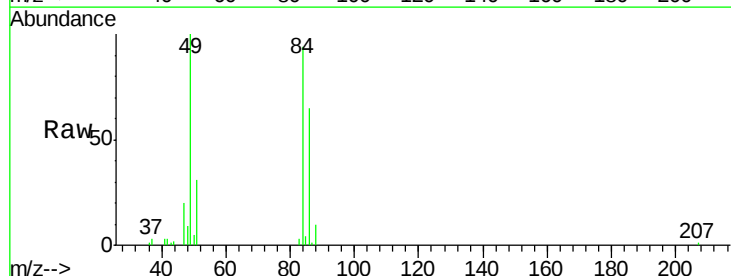
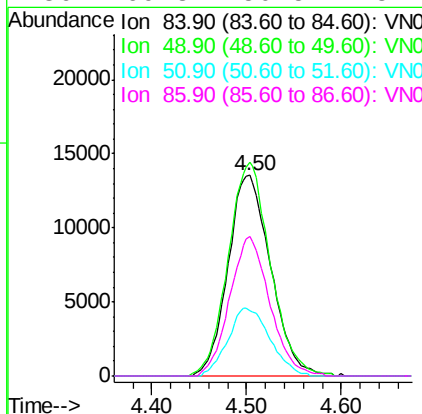
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

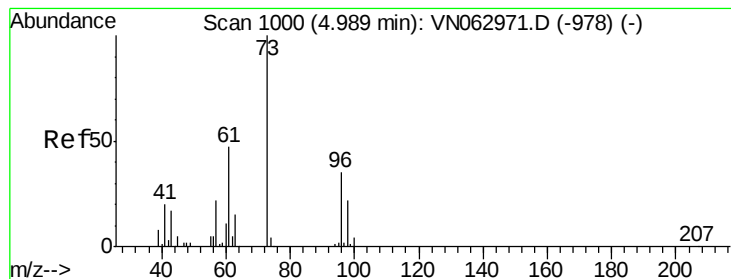
Tgt Ion: 73 Resp: 117732
Ion Ratio Lower Upper
73 100
57 23.6 17.6 26.4



#20
Methylene Chloride
Concen: 15.987 ug/l
RT: 4.50 min Scan# 849
Delta R.T. 0.00 min
Lab File: VN062970.D
Acq: 17 Aug 2020 14:14

Tgt Ion: 84 Resp: 42424
Ion Ratio Lower Upper
84 100
49 106.5 88.8 133.2
51 32.9 27.1 40.7
86 69.3 50.5 75.7





#21

trans-1,2-Dichloroethene

Concen: 17.031 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN062970.D

Acq: 17 Aug 2020 14:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

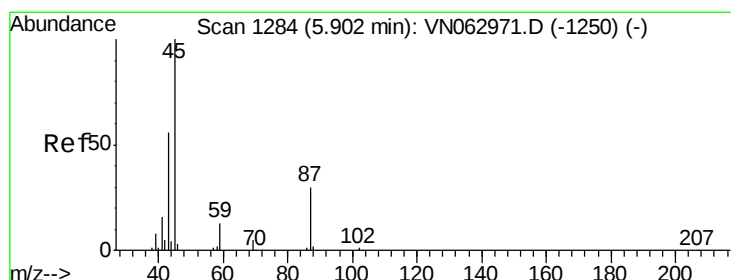
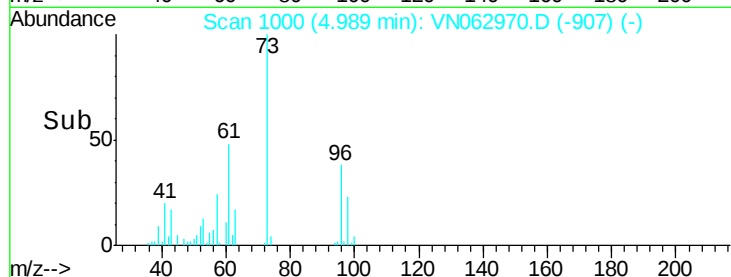
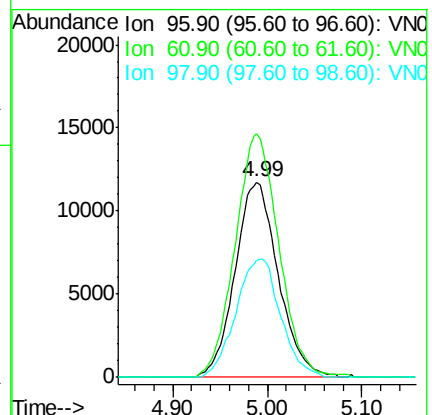
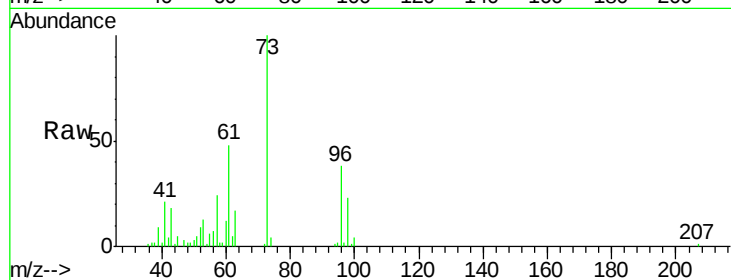
Tgt Ion: 96 Resp: 37188

Ion Ratio Lower Upper

96 100

61 124.5 107.7 161.5

98 59.5 51.0 76.4



#22

Diisopropyl ether

Concen: 15.091 ug/l

RT: 5.90 min Scan# 1284

Delta R.T. 0.00 min

Lab File: VN062970.D

Acq: 17 Aug 2020 14:14

Tgt Ion: 45 Resp: 119636

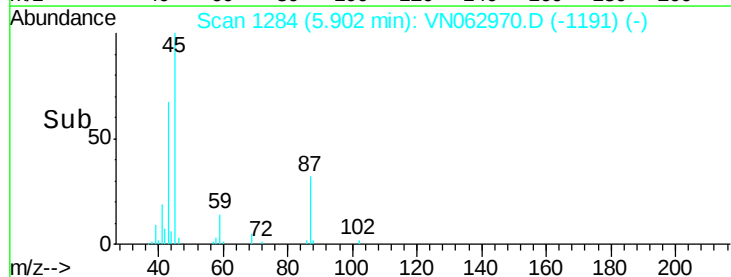
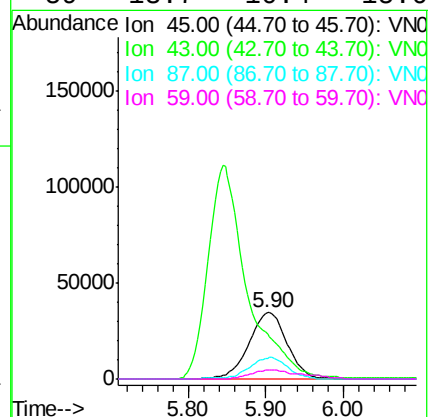
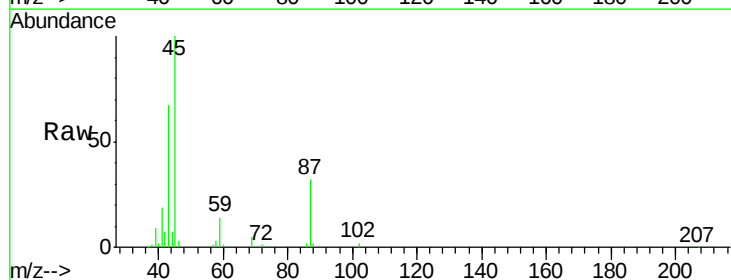
Ion Ratio Lower Upper

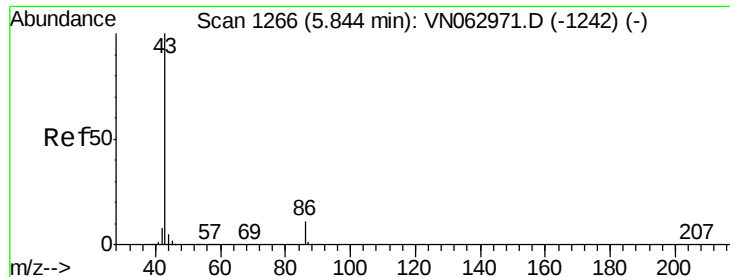
45 100

43 64.2 47.1 70.7

87 31.8 24.3 36.5

59 13.7 10.4 15.6





#23

Vinyl Acetate

Concen: 65.553 ug/l

RT: 5.84 min Scan# 1266

Delta R.T. 0.00 min

Lab File: VN062970.D

Acq: 17 Aug 2020 14:14

Instrument :

MSVOA_N

ClientSampleId :

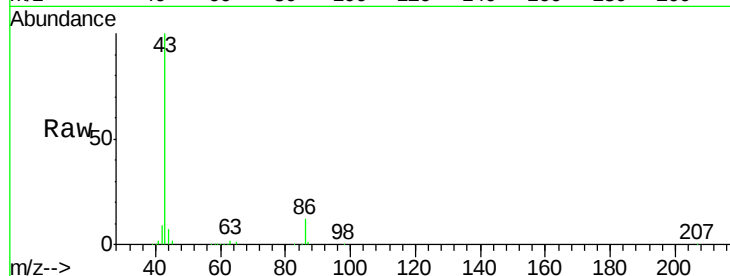
VSTDIC020

Tgt Ion: 43 Resp: 393014

Ion Ratio Lower Upper

43 100

86 11.8 9.1 13.7



Abundance Ion 43.00 (42.70 to 43.70): VN062970.D (-1173) (-)

Ion 86.00 (85.70 to 86.70): VN062970.D (-1173) (-)

5.84

120000

100000

80000

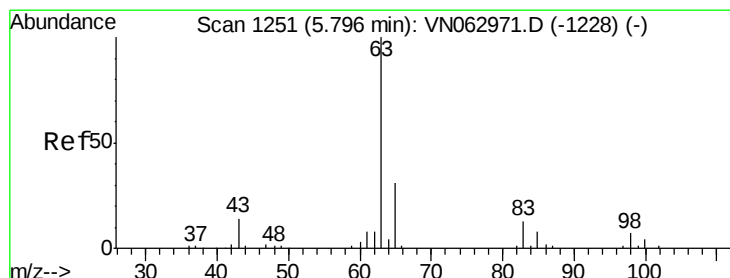
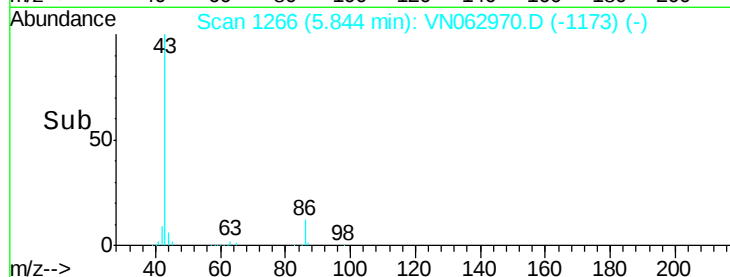
60000

40000

20000

0

Time-->



#24

1,1-Dichloroethane

Concen: 15.091 ug/l

RT: 5.80 min Scan# 1253

Delta R.T. 0.01 min

Lab File: VN062970.D

Acq: 17 Aug 2020 14:14

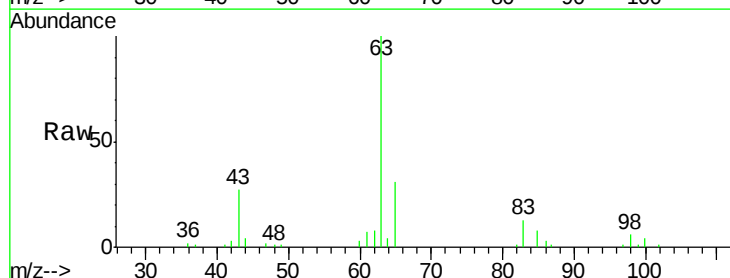
Tgt Ion: 63 Resp: 70523

Ion Ratio Lower Upper

63 100

98 6.4 3.3 9.9

100 4.3 2.0 6.0



Abundance Ion 62.90 (62.60 to 63.60): VN062970.D (-1158) (-)

Ion 97.90 (97.60 to 98.60): VN062970.D (-1158) (-)

Ion 99.90 (99.60 to 100.60): VN062970.D (-1158) (-)

5.80

30000

25000

20000

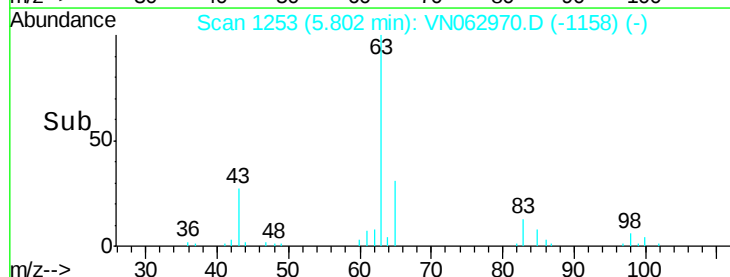
15000

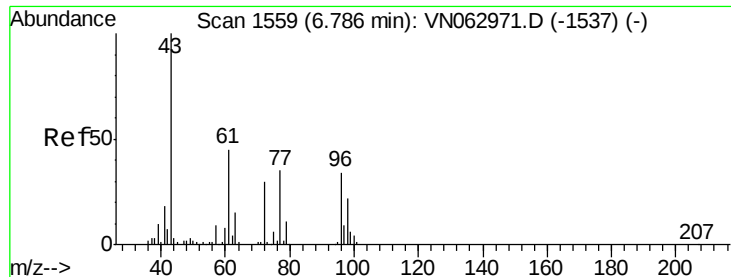
10000

5000

0

Time-->





#25

2-Butanone

Concen: 69.467 ug/l

RT: 6.79 min Scan# 1559

Delta R.T. 0.00 min

Lab File: VN062970.D

Acq: 17 Aug 2020 14:14

Instrument :

MSVOA_N

ClientSampleId :

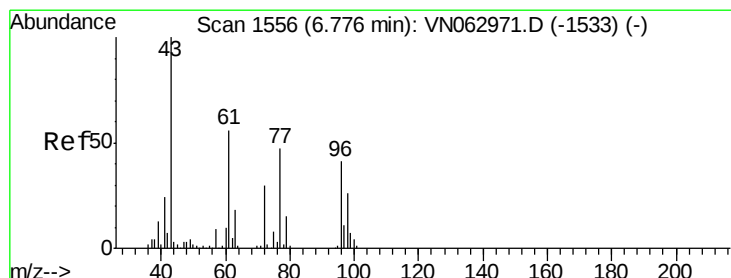
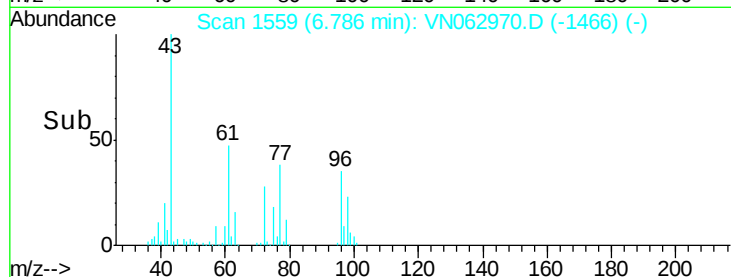
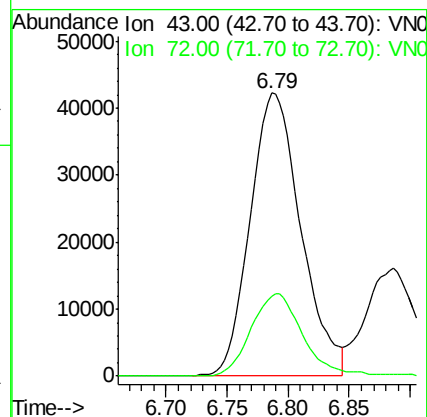
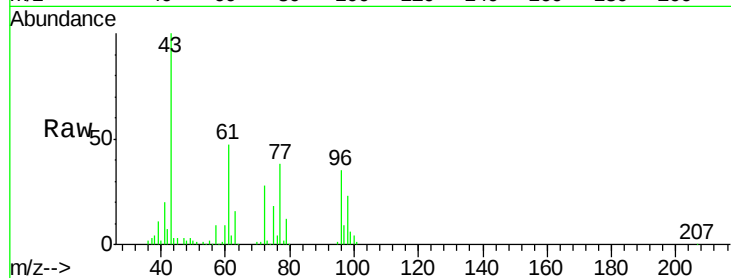
VSTDIC020

Tgt Ion: 43 Resp: 121890

Ion Ratio Lower Upper

43 100

72 28.3 23.9 35.9



#26

2,2-Dichloropropane

Concen: 13.403 ug/l

RT: 6.78 min Scan# 1557

Delta R.T. 0.00 min

Lab File: VN062970.D

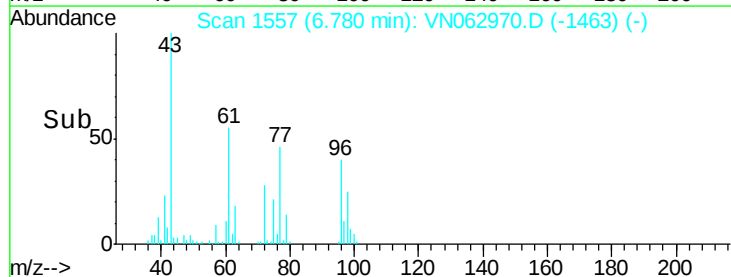
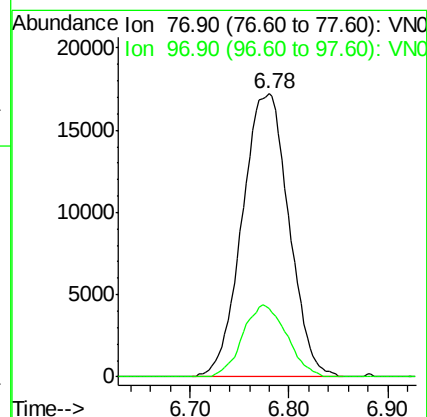
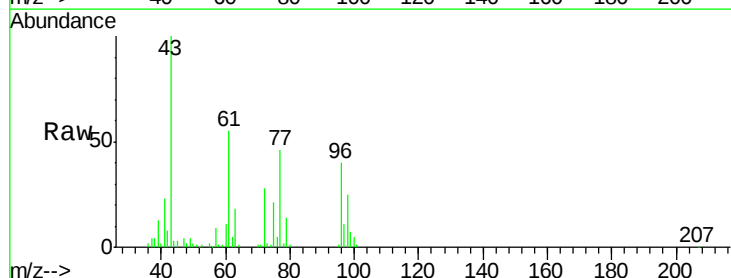
Acq: 17 Aug 2020 14:14

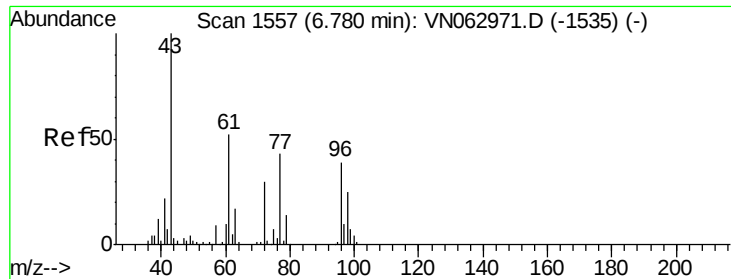
Tgt Ion: 77 Resp: 56449

Ion Ratio Lower Upper

77 100

97 23.9 12.0 36.1





#27

cis-1,2-Dichloroethene

Concen: 17.008 ug/l

RT: 6.78 min Scan# 1558

Delta R.T. 0.00 min

Lab File: VN062970.D

Acq: 17 Aug 2020 14:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

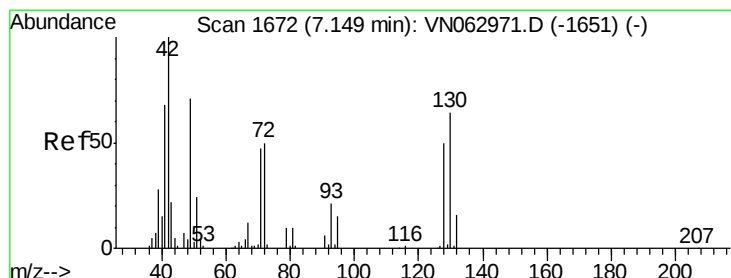
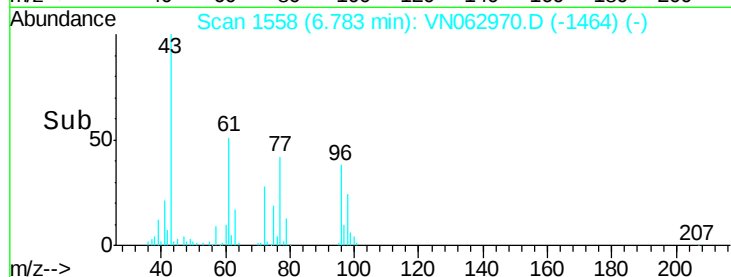
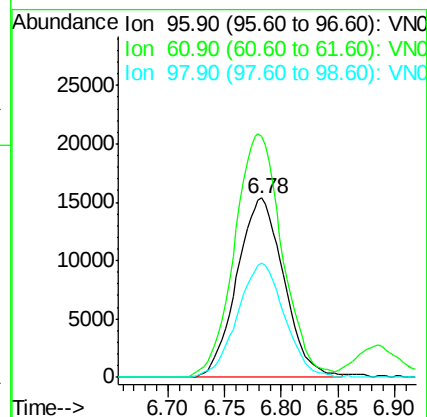
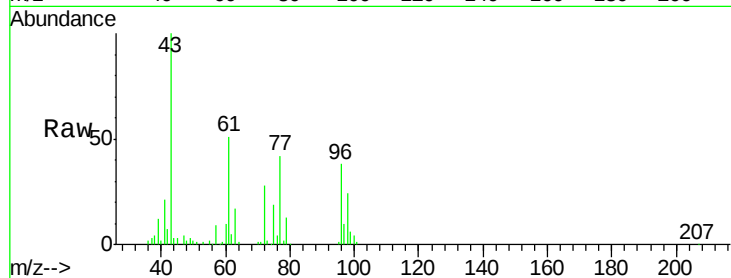
Tgt Ion: 96 Resp: 44328

Ion Ratio Lower Upper

96 100

61 137.7 0.0 270.4

98 63.6 0.0 128.2



#28

Bromochloromethane

Concen: 15.499 ug/l

RT: 7.15 min Scan# 1672

Delta R.T. 0.00 min

Lab File: VN062970.D

Acq: 17 Aug 2020 14:14

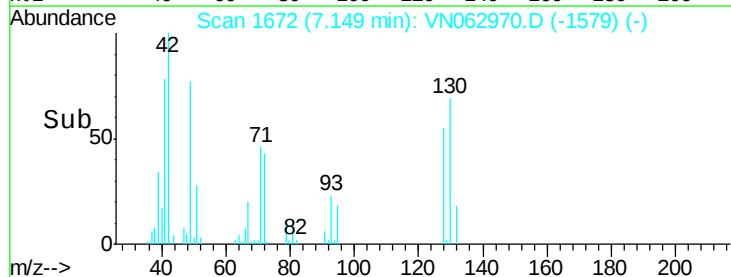
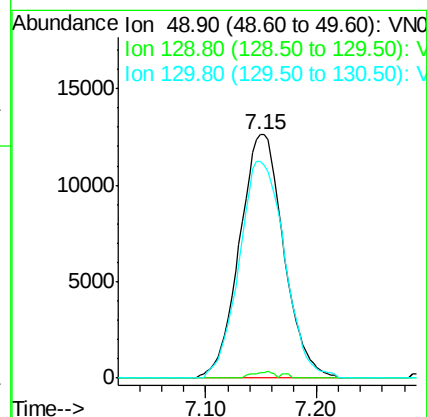
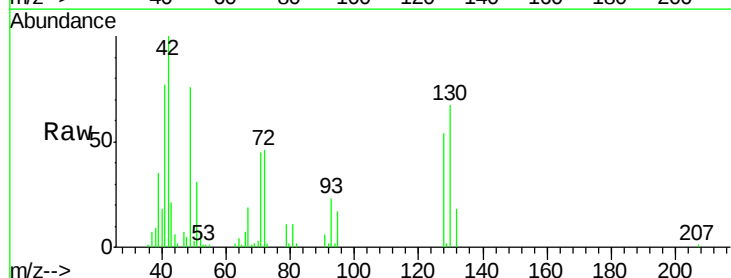
Tgt Ion: 49 Resp: 35026

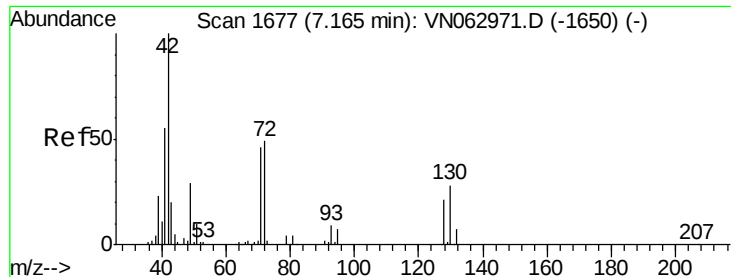
Ion Ratio Lower Upper

49 100

129 1.2 0.0 4.2

130 91.8 73.5 110.3

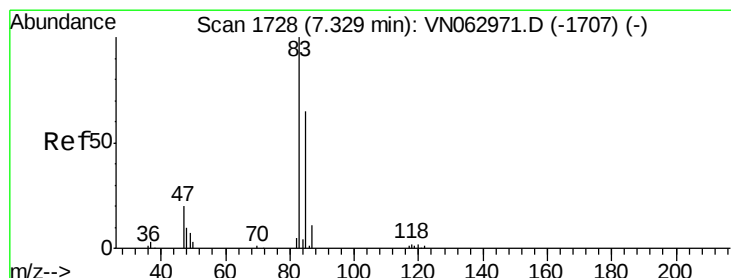
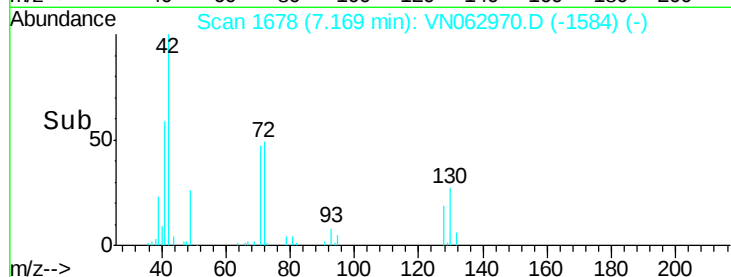
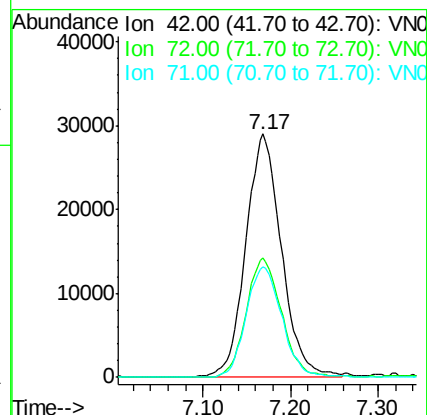
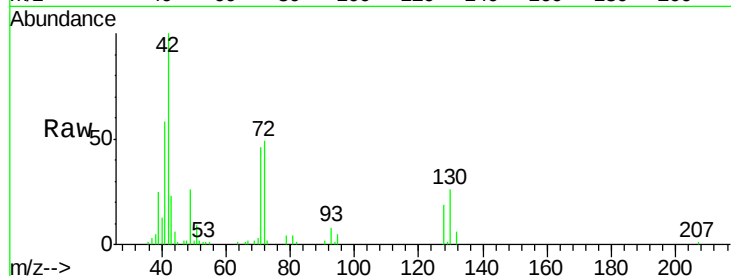




#29
Tetrahydrofuran
Concen: 72.050 ug/l
RT: 7.17 min Scan# 1678
Delta R.T. 0.00 min
Lab File: VN062970.D
Acq: 17 Aug 2020 14:14

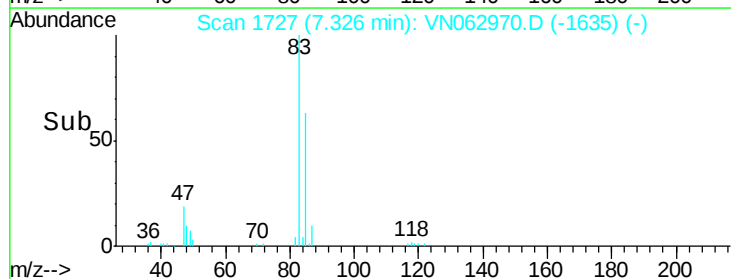
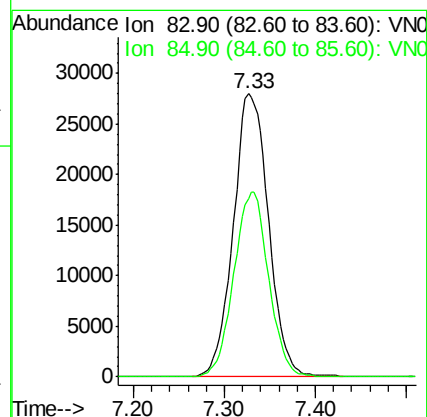
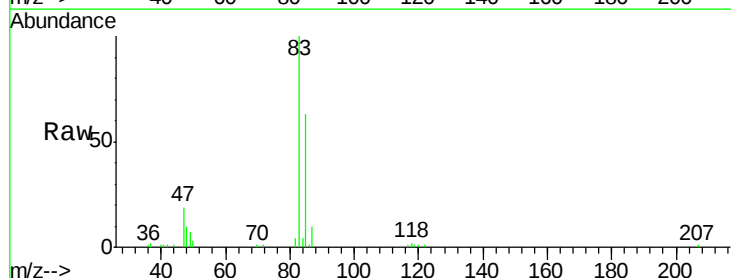
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

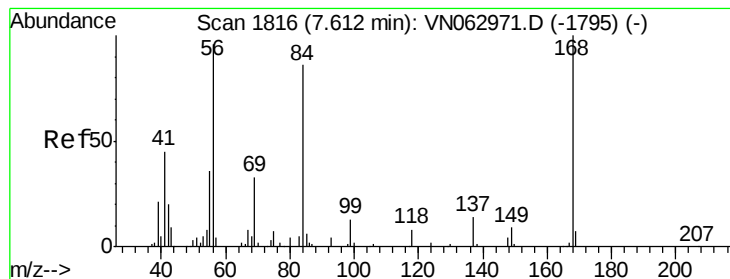
Tgt Ion: 42 Resp: 82320
Ion Ratio Lower Upper
42 100
72 48.1 39.4 59.2
71 45.5 37.2 55.8



#30
Chloroform
Concen: 15.310 ug/l
RT: 7.33 min Scan# 1727
Delta R.T. -0.00 min
Lab File: VN062970.D
Acq: 17 Aug 2020 14:14

Tgt Ion: 83 Resp: 75398
Ion Ratio Lower Upper
83 100
85 63.1 52.2 78.4





#31

Cyclohexane

Concen: 15.817 ug/l

RT: 7.62 min Scan# 1817

Delta R.T. 0.00 min

Lab File: VN062970.D

Acq: 17 Aug 2020 14:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

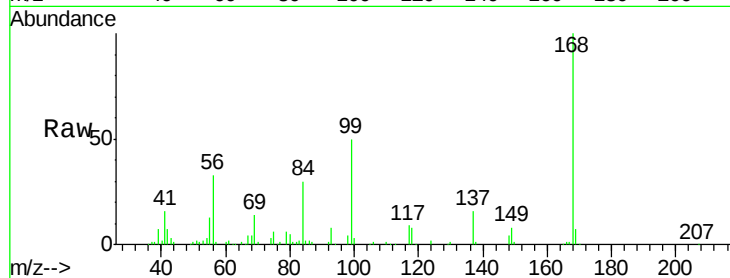
Tgt Ion: 56 Resp: 67391

Ion Ratio Lower Upper

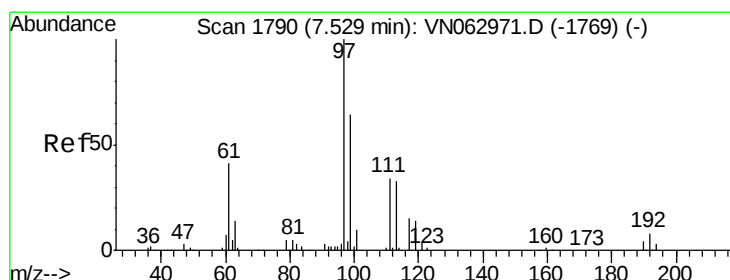
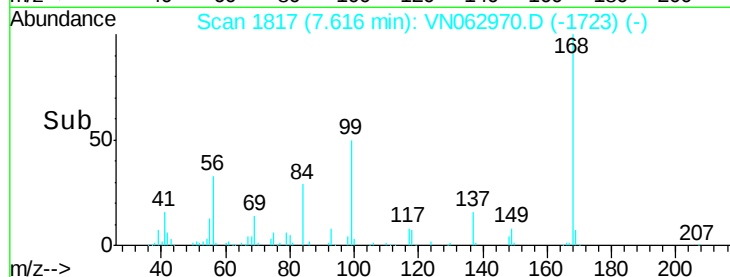
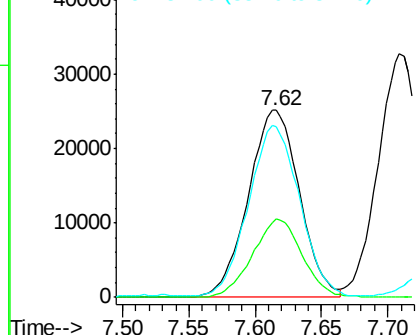
56 100

69 41.7 27.4 41.2#

84 90.2 71.3 106.9



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



#32

1,1,1-Trichloroethane

Concen: 14.057 ug/l

RT: 7.53 min Scan# 1790

Delta R.T. 0.00 min

Lab File: VN062970.D

Acq: 17 Aug 2020 14:14

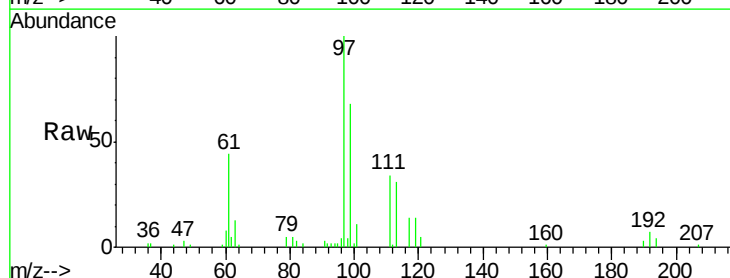
Tgt Ion: 97 Resp: 61058

Ion Ratio Lower Upper

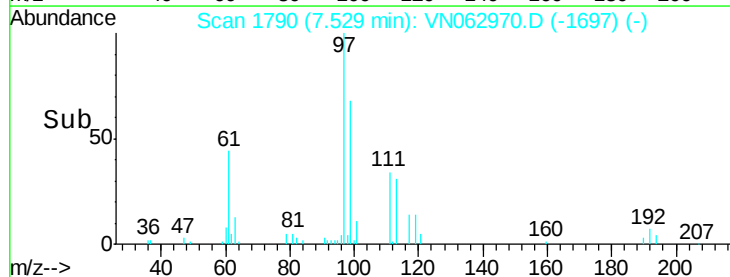
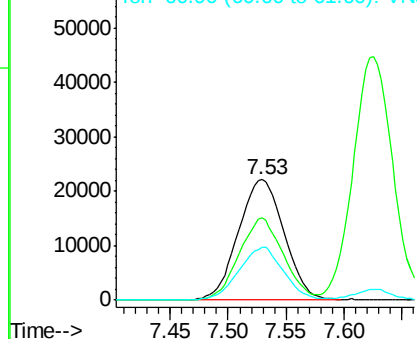
97 100

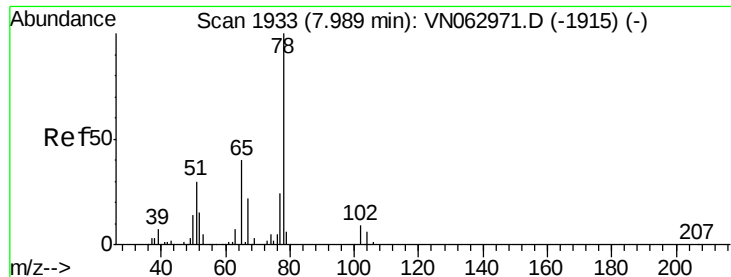
99 65.6 52.2 78.4

61 42.7 33.5 50.3



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





#33

1,2-Dichloroethane-d4

Concen: 12.718 ug/l

RT: 7.99 min Scan# 1932

Delta R.T. -0.00 min

Lab File: VN062970.D

Acq: 17 Aug 2020 14:14

Instrument :

MSVOA_N

ClientSampleId :

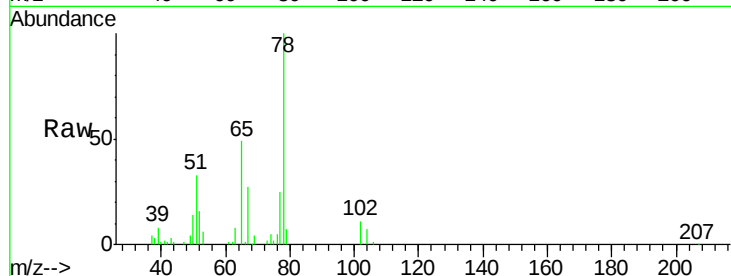
VSTDIC020

Tgt Ion: 65 Resp: 43232

Ion Ratio Lower Upper

65 100

67 54.9 0.0 108.6



Abundance Ion 64.90 (64.60 to 65.60): VN062970.D (-1915) (-)

Ion 66.90 (66.60 to 67.60): VN062970.D (-1915) (-)

7.99

20000

15000

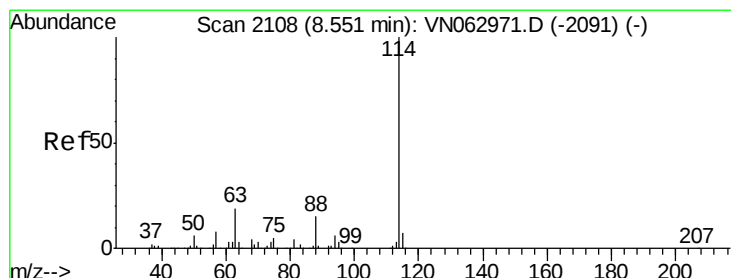
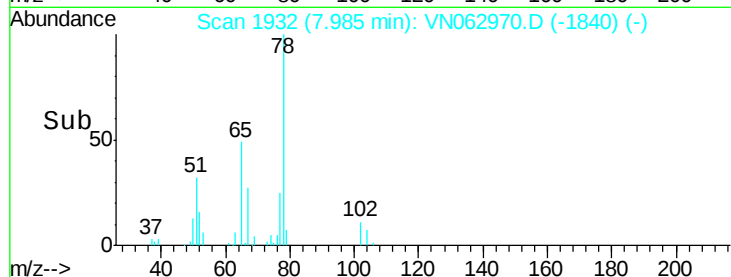
10000

5000

0

Time-->

7.90 7.95 8.00 8.05



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2108

Delta R.T. 0.00 min

Lab File: VN062970.D

Acq: 17 Aug 2020 14:14

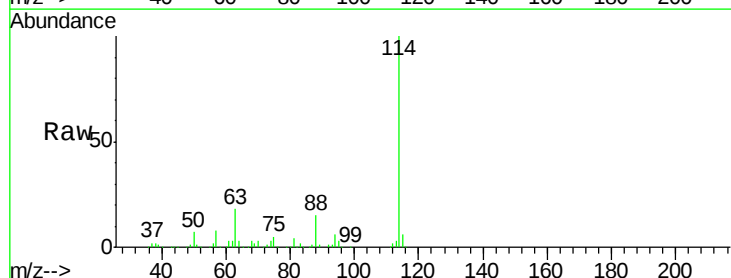
Tgt Ion: 114 Resp: 315386

Ion Ratio Lower Upper

114 100

63 18.4 0.0 37.6

88 15.5 0.0 31.0



Abundance Ion 113.90 (113.60 to 114.60): VN062970.D (-2091) (-)

Ion 63.00 (62.70 to 63.70): VN062970.D (-2091) (-)

Ion 87.90 (87.60 to 88.60): VN062970.D (-2091) (-)

8.55

200000

150000

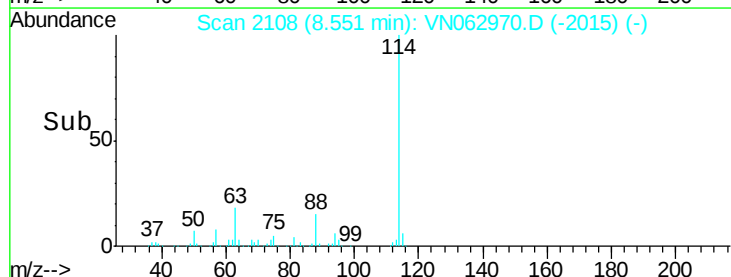
100000

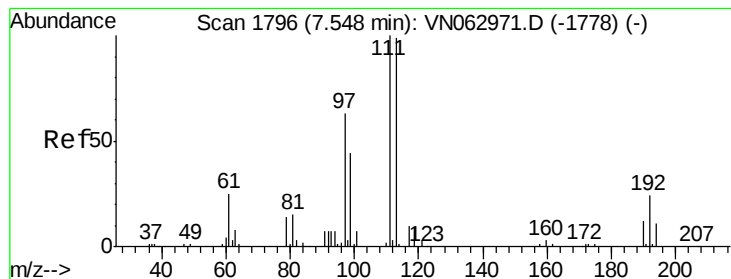
50000

0

Time-->

8.50 8.55 8.60





#35

Dibromofluoromethane

Concen: 18.000 ug/l

RT: 7.55 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VN062970.D

Acq: 17 Aug 2020 14:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

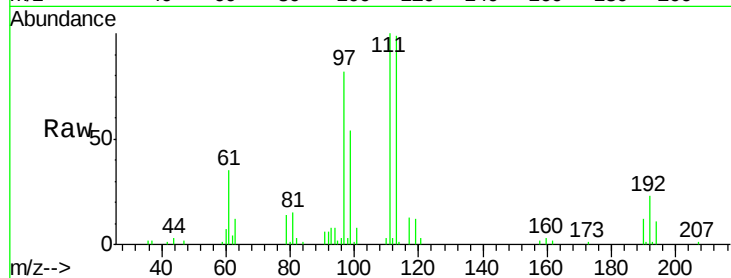
Tgt Ion:113 Resp: 38449

Ion Ratio Lower Upper

113 100

111 102.9 81.4 122.0

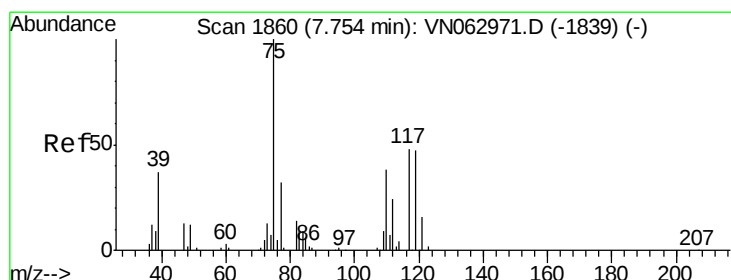
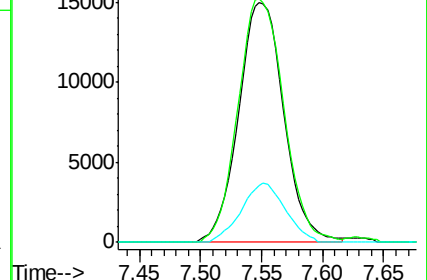
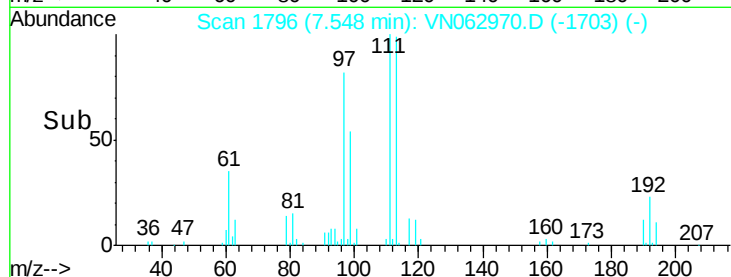
192 24.1 19.2 28.8



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: 16.848 ug/l

RT: 7.75 min Scan# 1860

Delta R.T. 0.00 min

Lab File: VN062970.D

Acq: 17 Aug 2020 14:14

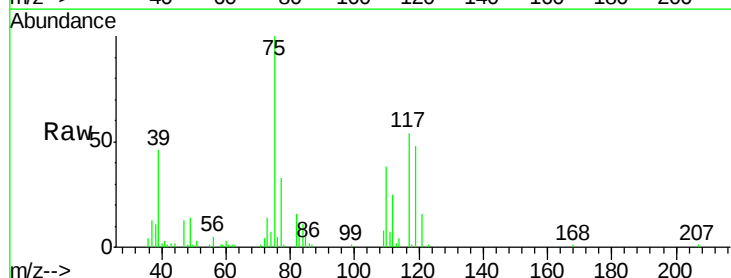
Tgt Ion: 75 Resp: 50357

Ion Ratio Lower Upper

75 100

110 37.1 18.7 56.1

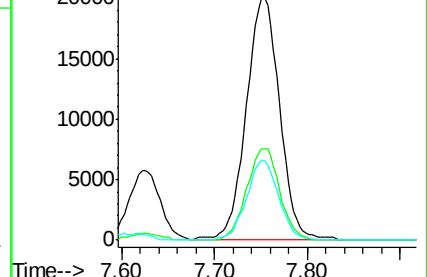
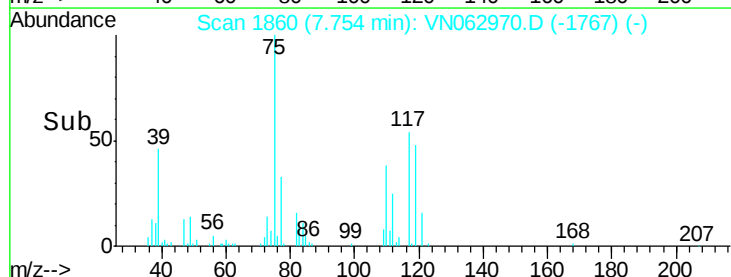
77 31.5 25.6 38.4

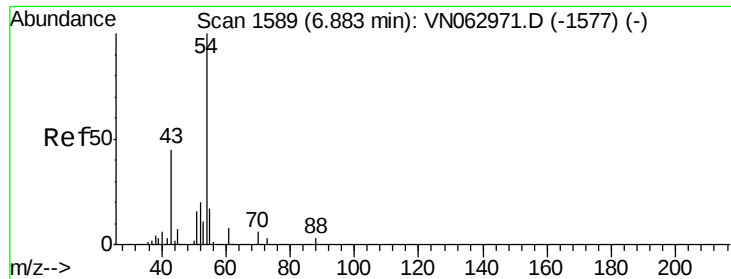


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

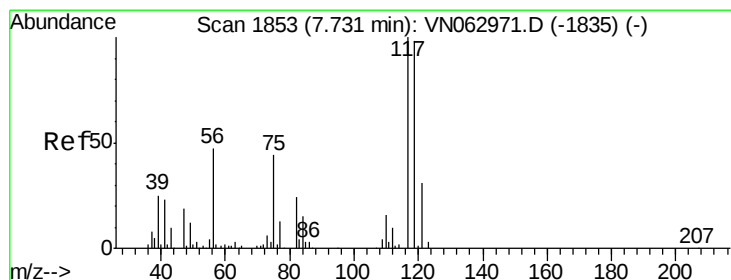
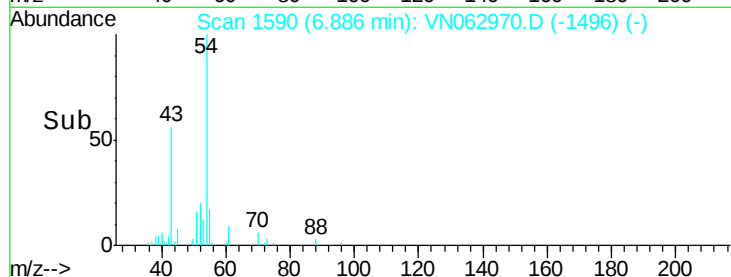
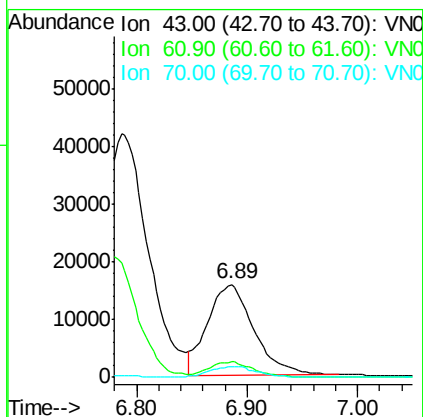
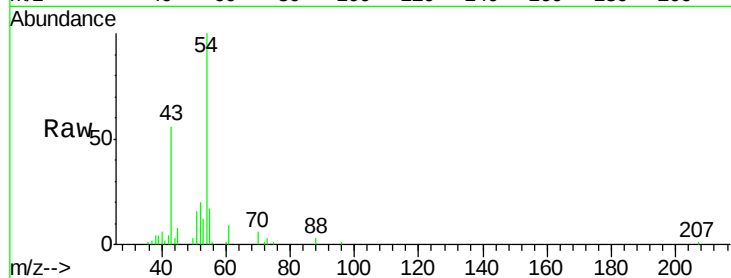




#37
Ethyl Acetate
Concen: 15.242 ug/l
RT: 6.89 min Scan# 1590
Delta R.T. 0.00 min
Lab File: VN062970.D
Acq: 17 Aug 2020 14:14

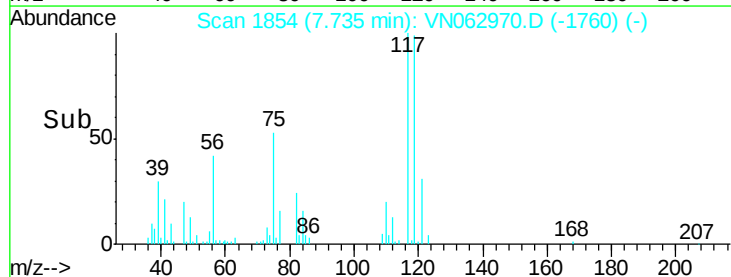
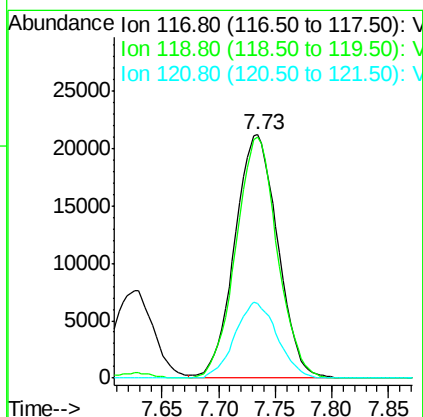
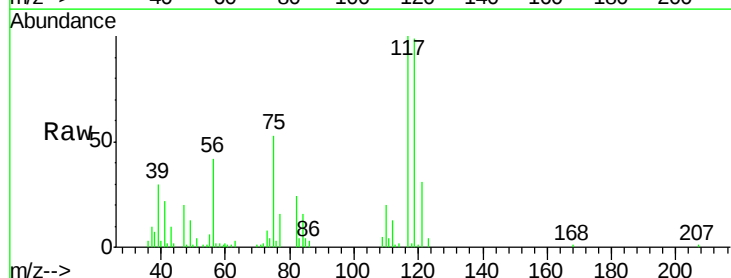
Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

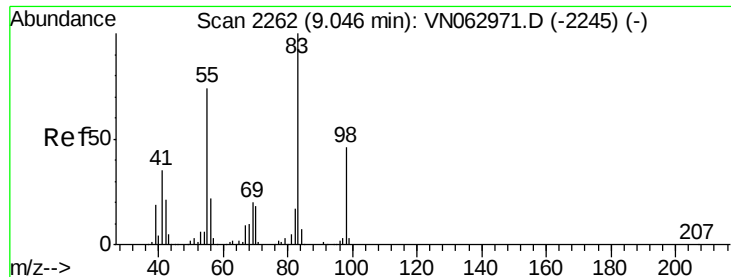
Tgt Ion: 43 Resp: 46755
Ion Ratio Lower Upper
43 100
61 16.3 12.4 18.6
70 11.7 9.9 14.9



#38
Carbon Tetrachloride
Concen: 15.898 ug/l
RT: 7.73 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VN062970.D
Acq: 17 Aug 2020 14:14

Tgt Ion: 117 Resp: 56045
Ion Ratio Lower Upper
117 100
119 99.1 77.9 116.9
121 30.5 24.8 37.2

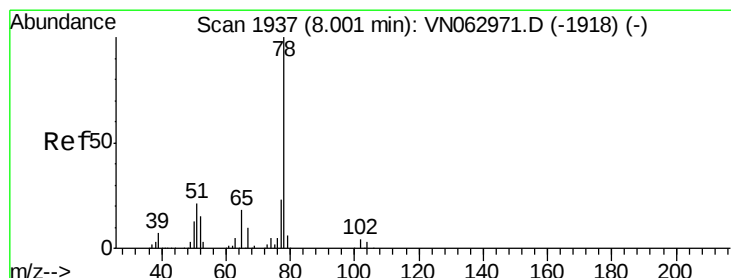
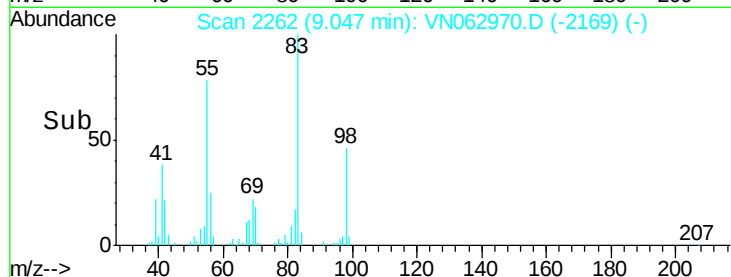
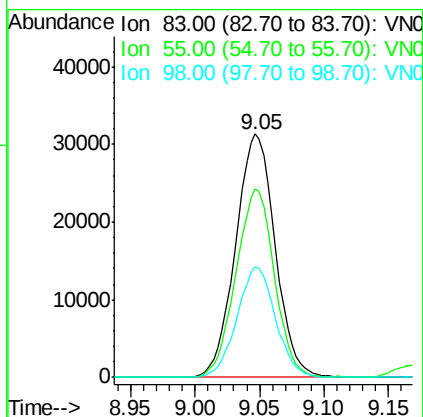
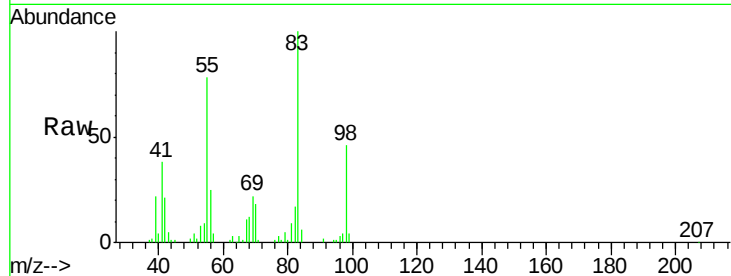




#39
Methylcyclohexane
Concen: 18.186 ug/l
RT: 9.05 min Scan# 2262
Delta R.T. 0.00 min
Lab File: VN062970.D
Acq: 17 Aug 2020 14:14

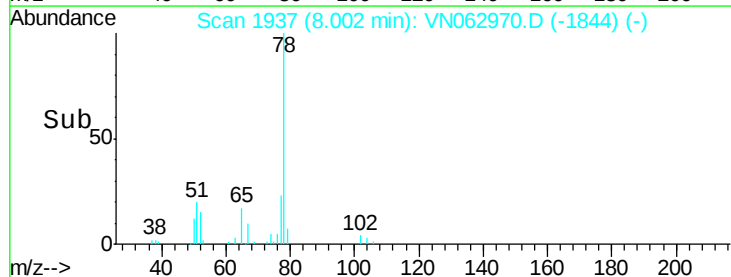
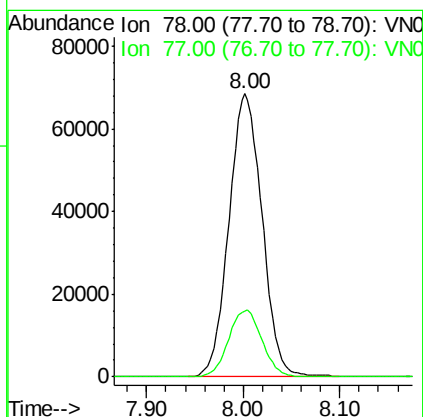
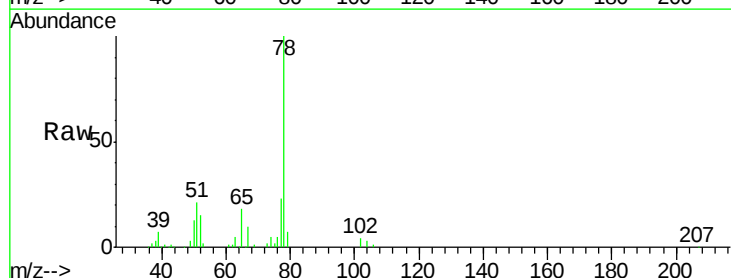
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

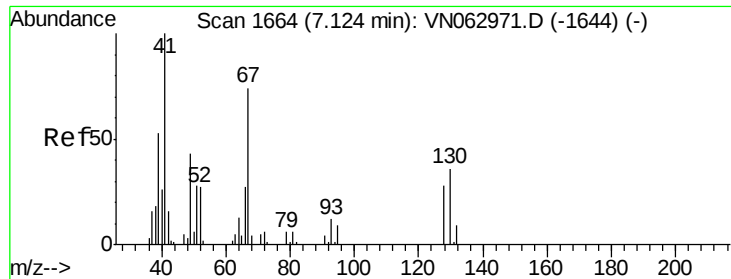
Tgt Ion: 83 Resp: 66926
Ion Ratio Lower Upper
83 100
55 77.5 59.0 88.6
98 45.6 36.8 55.2



#40
Benzene
Concen: 17.964 ug/l
RT: 8.00 min Scan# 1937
Delta R.T. 0.00 min
Lab File: VN062970.D
Acq: 17 Aug 2020 14:14

Tgt Ion: 78 Resp: 163054
Ion Ratio Lower Upper
78 100
77 23.4 18.6 27.8

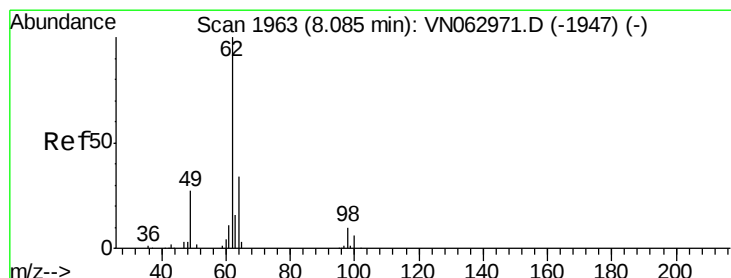
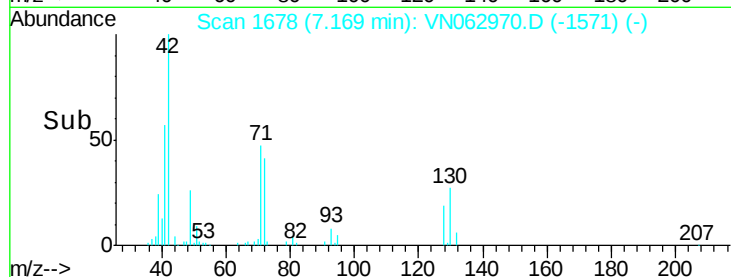
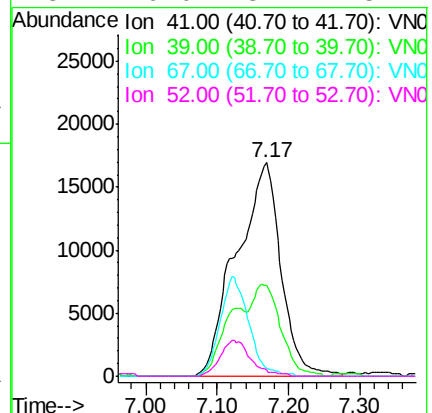
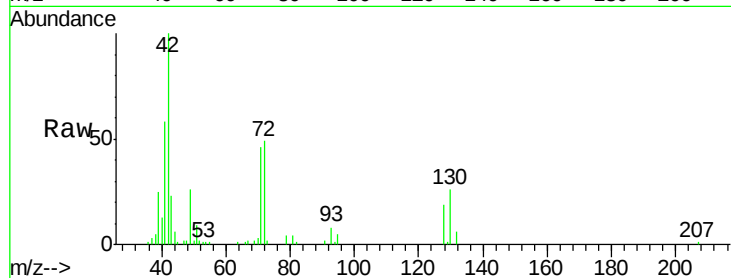




#41
Methacrylonitrile
Concen: 54.095 ug/l
RT: 7.17 min Scan# 1678
Delta R.T. 0.05 min
Lab File: VN062970.D
Acq: 17 Aug 2020 14:14

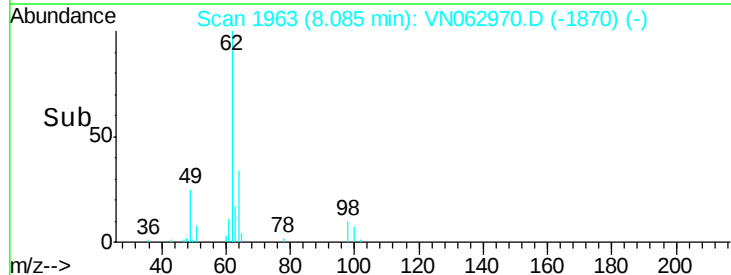
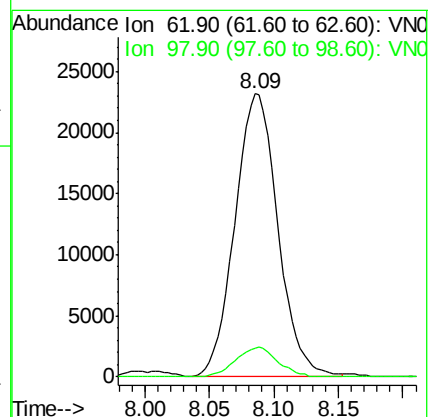
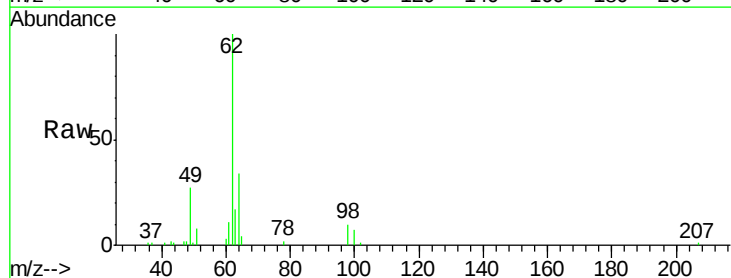
Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

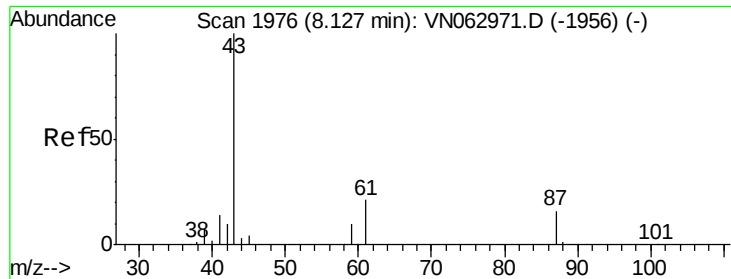
Tgt Ion: 41 Resp: 73086
Ion Ratio Lower Upper
41 100
39 0.0 58.6 88.0#
67 0.0 90.1 135.1#
52 0.0 34.7 52.1#



#42
1,2-Dichloroethane
Concen: 14.510 ug/l
RT: 8.09 min Scan# 1963
Delta R.T. 0.00 min
Lab File: VN062970.D
Acq: 17 Aug 2020 14:14

Tgt Ion: 62 Resp: 53794
Ion Ratio Lower Upper
62 100
98 10.2 0.0 20.8





#43

Isopropyl Acetate

Concen: 14.458 ug/l

RT: 8.13 min Scan# 1976

Delta R.T. 0.00 min

Lab File: VN062970.D

Acq: 17 Aug 2020 14:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

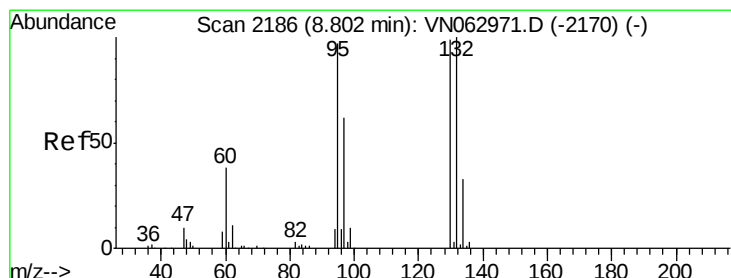
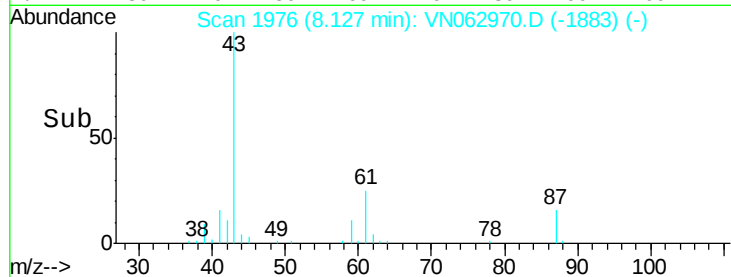
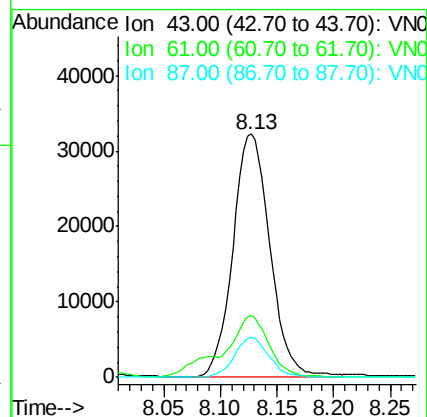
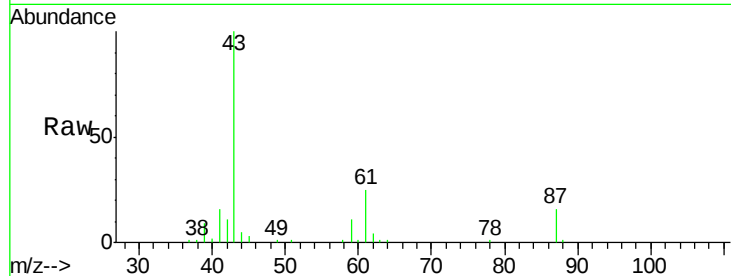
Tgt Ion: 43 Resp: 73841

Ion Ratio Lower Upper

43 100

61 23.5 24.6 36.8#

87 15.1 12.4 18.6



#44

Trichloroethene

Concen: 19.930 ug/l

RT: 8.80 min Scan# 2186

Delta R.T. 0.00 min

Lab File: VN062970.D

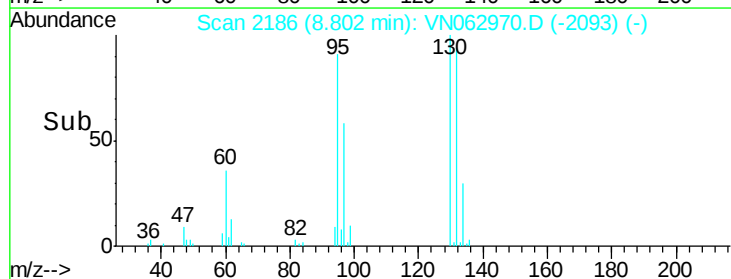
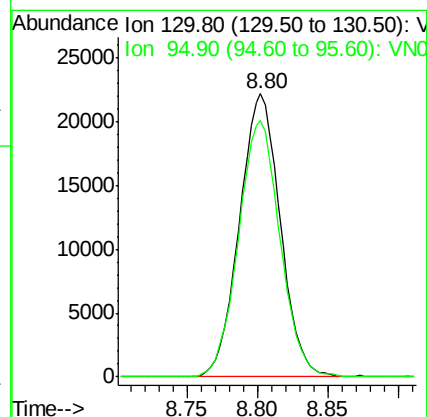
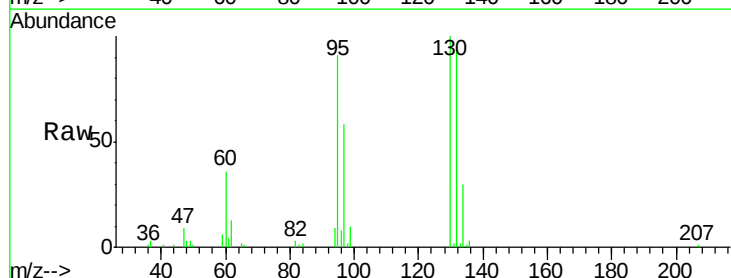
Acq: 17 Aug 2020 14:14

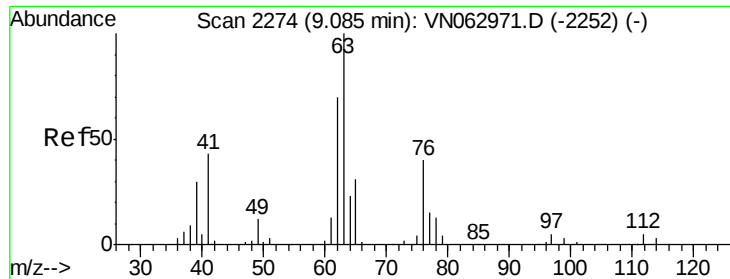
Tgt Ion: 130 Resp: 44811

Ion Ratio Lower Upper

130 100

95 90.6 0.0 194.2

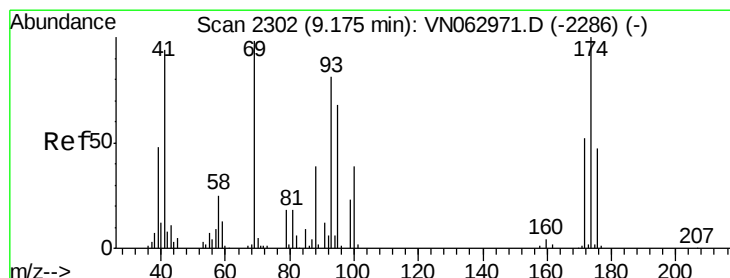
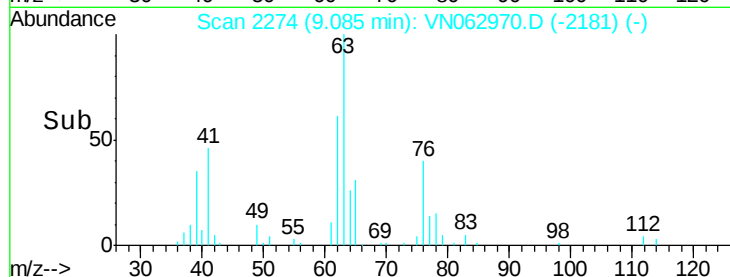
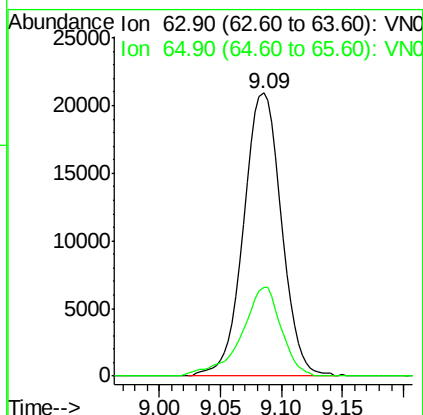
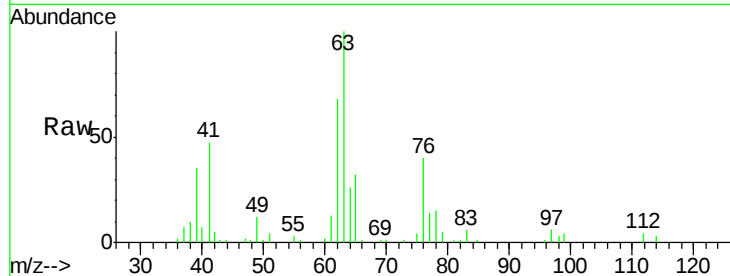




#45
 1,2-Dichloropropane
 Concen: 18.418 ug/l
 RT: 9.09 min Scan# 2274
 Delta R.T. 0.00 min
 Lab File: VN062970.D
 Acq: 17 Aug 2020 14:14

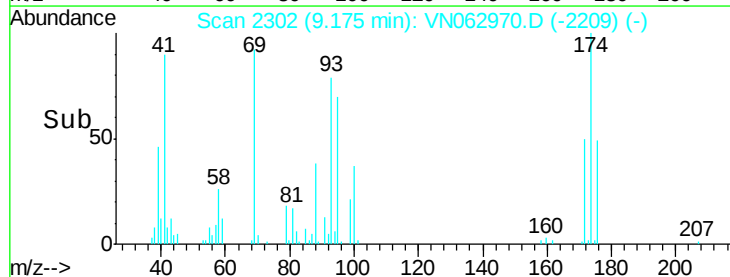
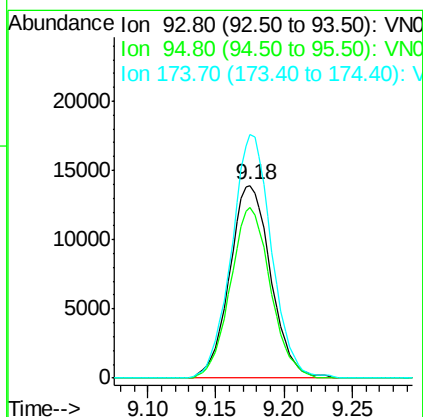
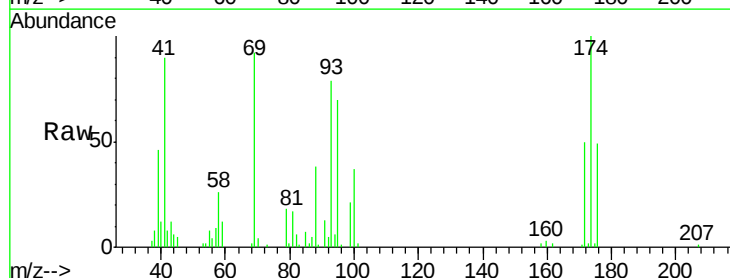
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

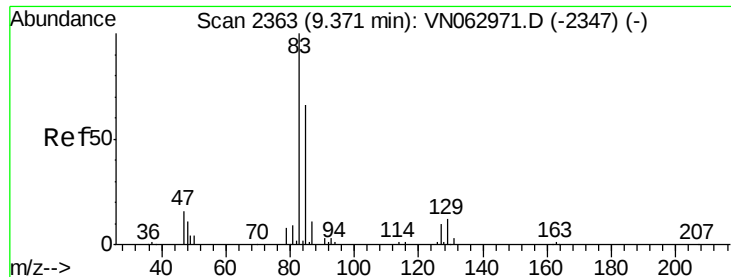
Tgt Ion: 63 Resp: 44885
 Ion Ratio Lower Upper
 63 100
 65 31.5 24.7 37.1



#46
 Dibromomethane
 Concen: 18.221 ug/l
 RT: 9.18 min Scan# 2302
 Delta R.T. 0.00 min
 Lab File: VN062970.D
 Acq: 17 Aug 2020 14:14

Tgt Ion: 93 Resp: 29124
 Ion Ratio Lower Upper
 93 100
 95 86.0 66.6 99.8
 174 122.7 96.6 145.0

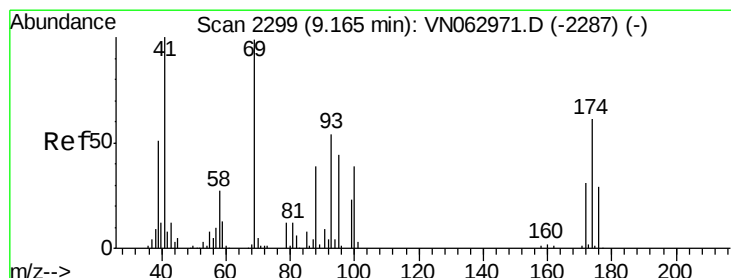
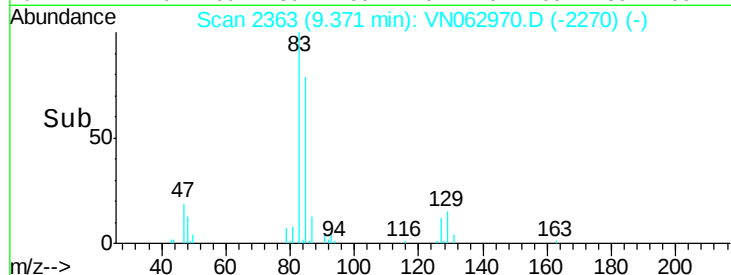
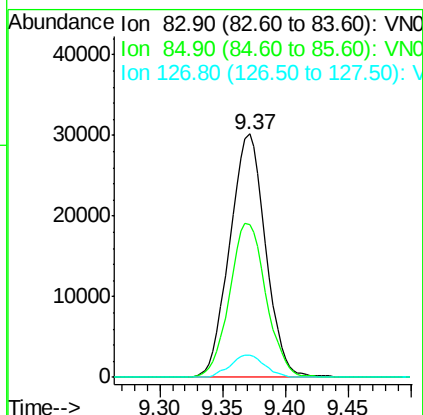
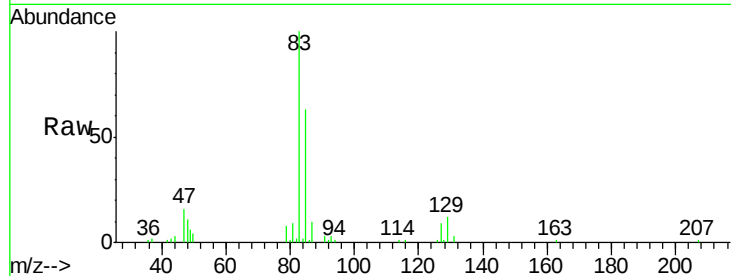




#47
 Bromodichloromethane
 Concen: 16.935 ug/l
 RT: 9.37 min Scan# 2363
 Delta R.T. 0.00 min
 Lab File: VN062970.D
 Acq: 17 Aug 2020 14:14

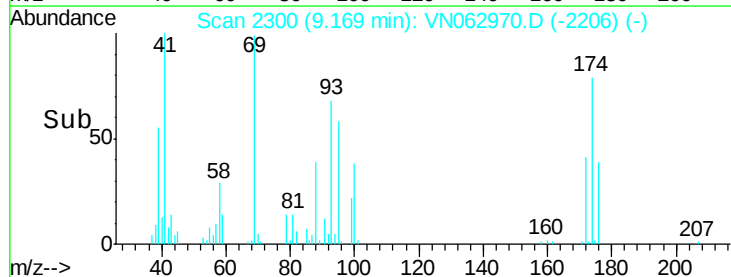
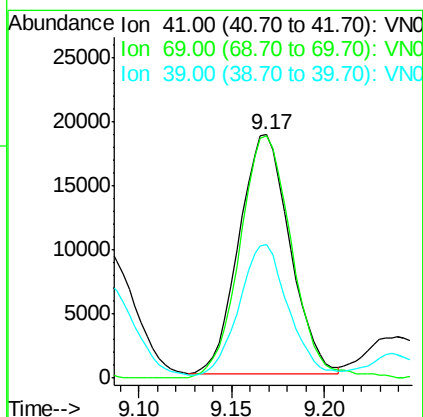
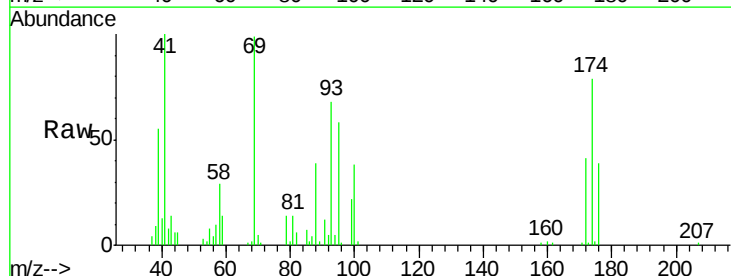
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

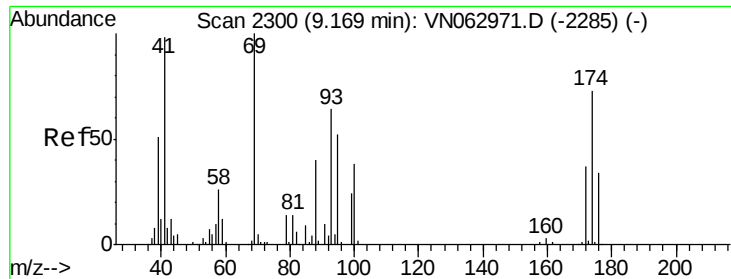
Tgt Ion: 83 Resp: 59819
 Ion Ratio Lower Upper
 83 100
 85 62.5 52.4 78.6
 127 9.2 7.8 11.6



#48
 Methyl methacrylate
 Concen: 14.193 ug/l
 RT: 9.17 min Scan# 2300
 Delta R.T. 0.00 min
 Lab File: VN062970.D
 Acq: 17 Aug 2020 14:14

Tgt Ion: 41 Resp: 35540
 Ion Ratio Lower Upper
 41 100
 69 103.7 81.1 121.7
 39 55.8 42.4 63.6

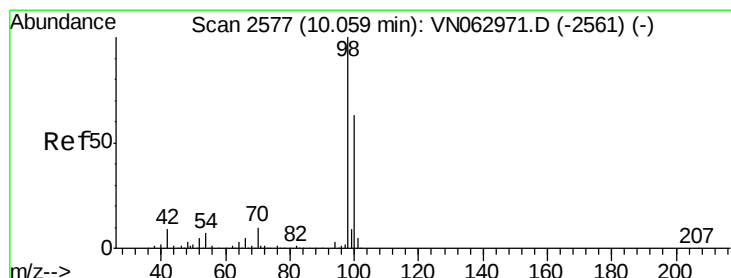
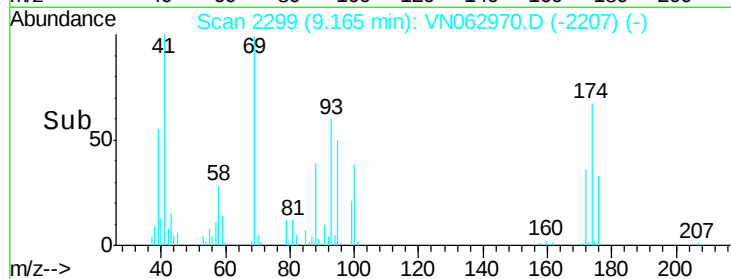
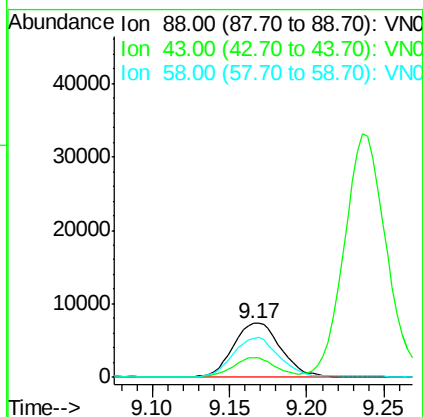
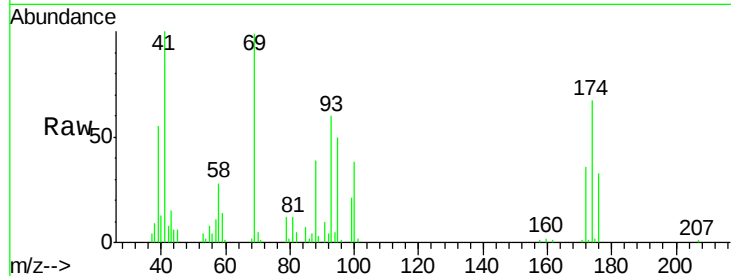




#49
 1,4-Dioxane
 Concen: 337.677 ug/l
 RT: 9.17 min Scan# 2299
 Delta R.T. -0.00 min
 Lab File: VN062970.D
 Acq: 17 Aug 2020 14:14

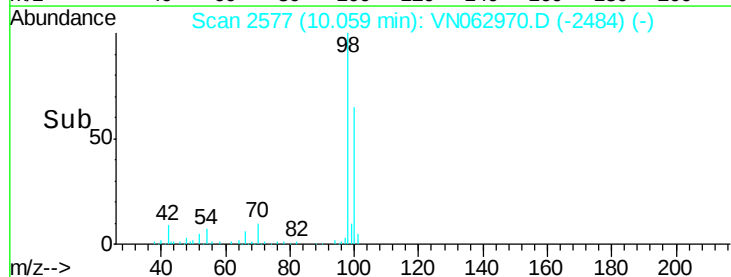
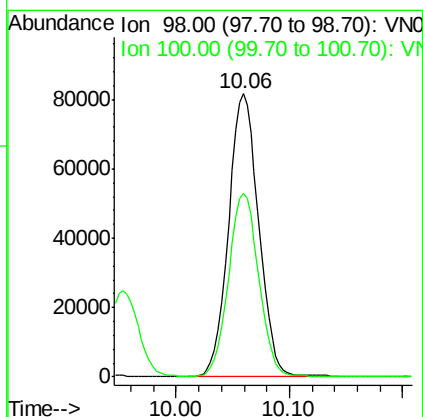
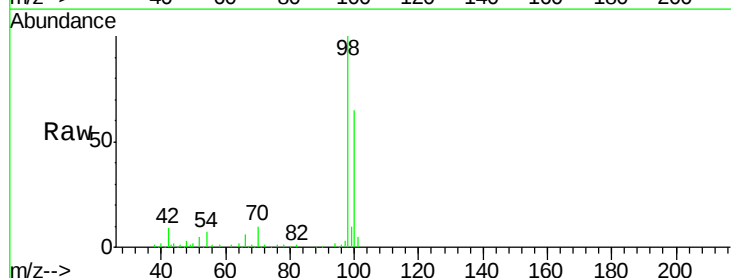
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

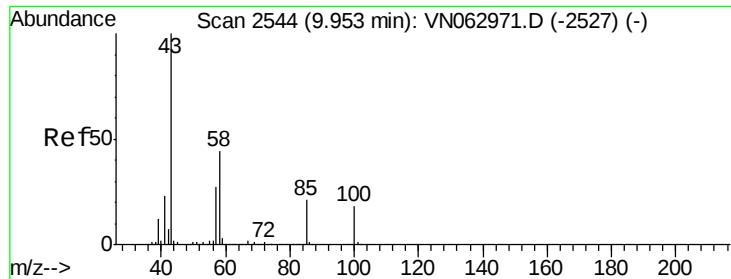
Tgt Ion: 88 Resp: 15863
 Ion Ratio Lower Upper
 88 100
 43 33.1 23.1 34.7
 58 70.8 53.1 79.7



#50
 Toluene-d8
 Concen: 18.143 ug/l
 RT: 10.06 min Scan# 2577
 Delta R.T. 0.00 min
 Lab File: VN062970.D
 Acq: 17 Aug 2020 14:14

Tgt Ion: 98 Resp: 151469
 Ion Ratio Lower Upper
 98 100
 100 65.3 51.0 76.4

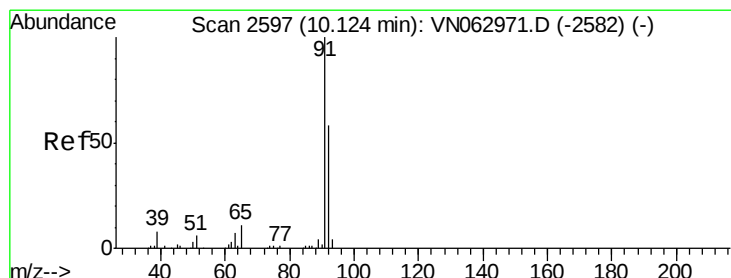
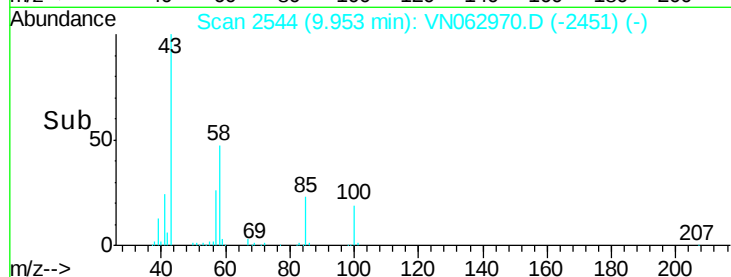
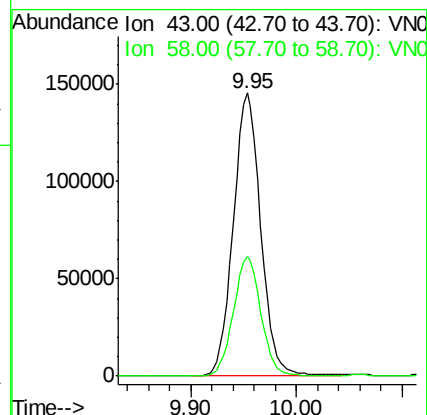
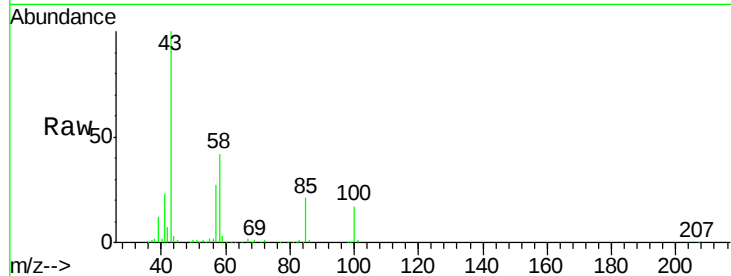




#51
 4-Methyl-2-Pentanone
 Concen: 79.335 ug/l
 RT: 9.95 min Scan# 2544
 Delta R.T. 0.00 min
 Lab File: VN062970.D
 Acq: 17 Aug 2020 14:14

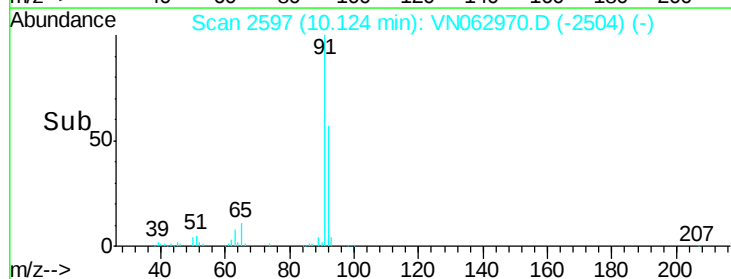
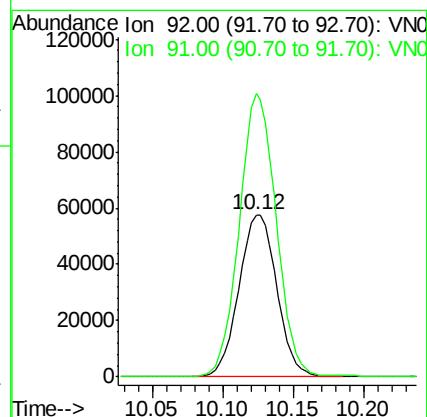
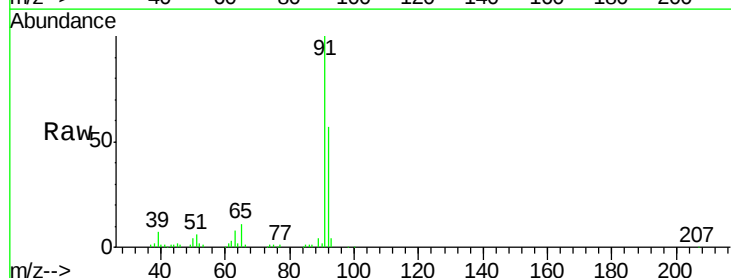
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

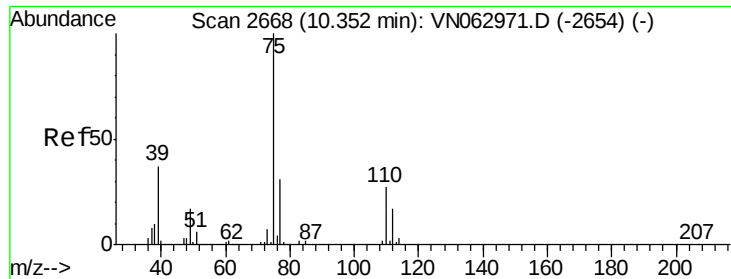
Tgt Ion: 43 Resp: 261716
 Ion Ratio Lower Upper
 43 100
 58 42.4 34.3 51.5



#52
 Toluene
 Concen: 19.261 ug/l
 RT: 10.12 min Scan# 2597
 Delta R.T. 0.00 min
 Lab File: VN062970.D
 Acq: 17 Aug 2020 14:14

Tgt Ion: 92 Resp: 108143
 Ion Ratio Lower Upper
 92 100
 91 171.7 138.6 207.8





#53

t-1,3-Dichloropropene

Concen: 16.729 ug/l

RT: 10.35 min Scan# 2668

Delta R.T. 0.00 min

Lab File: VN062970.D

Acq: 17 Aug 2020 14:14

Instrument :

MSVOA_N

ClientSampleId :

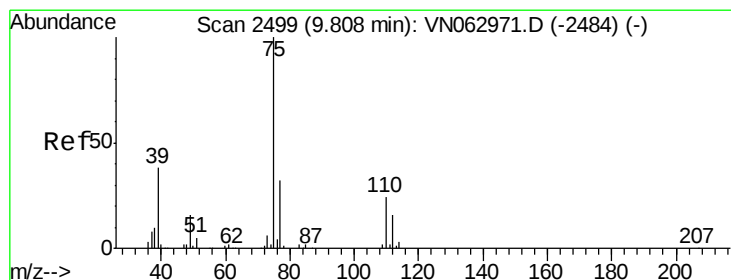
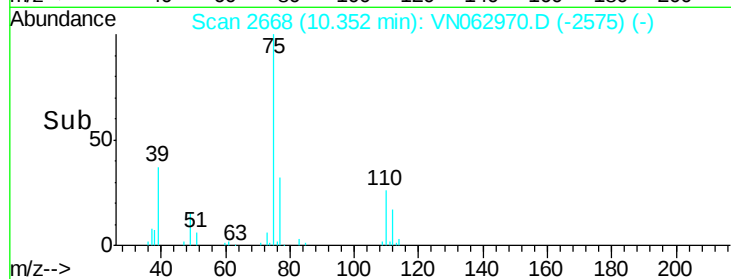
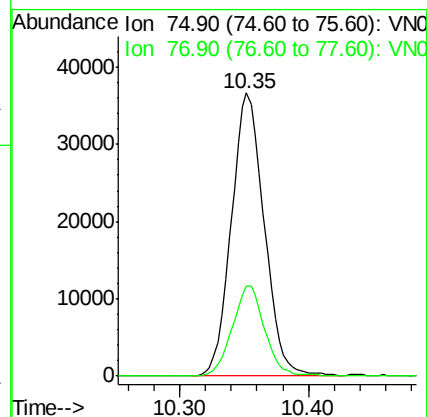
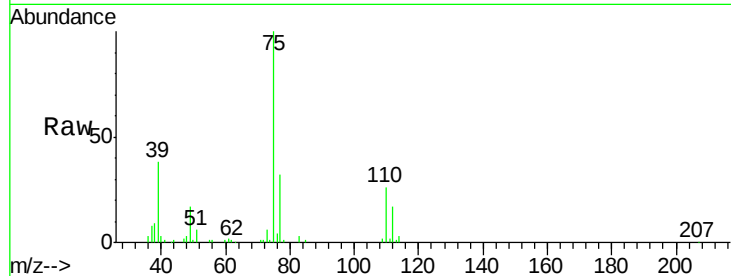
VSTDIC020

Tgt Ion: 75 Resp: 64738

Ion Ratio Lower Upper

75 100

77 31.8 25.0 37.4



#54

cis-1,3-Dichloropropene

Concen: 17.537 ug/l

RT: 9.81 min Scan# 2499

Delta R.T. 0.00 min

Lab File: VN062970.D

Acq: 17 Aug 2020 14:14

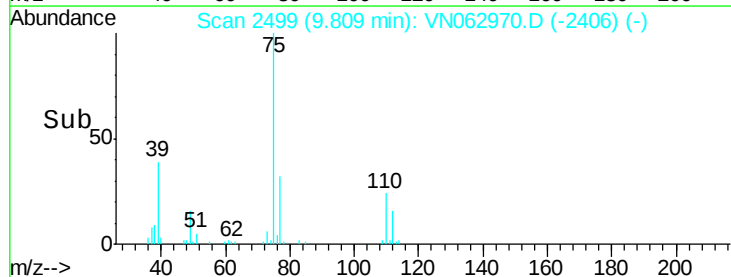
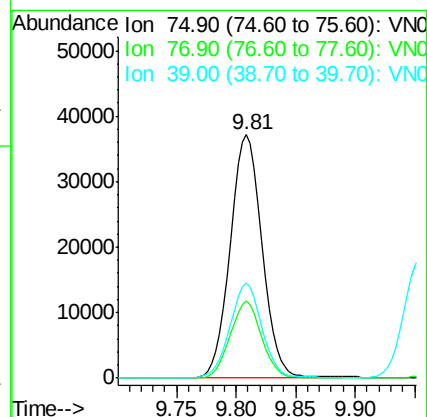
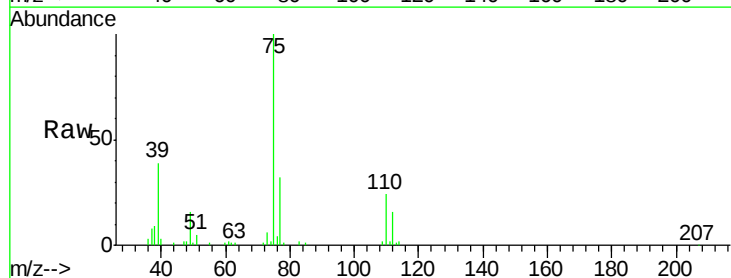
Tgt Ion: 75 Resp: 69242

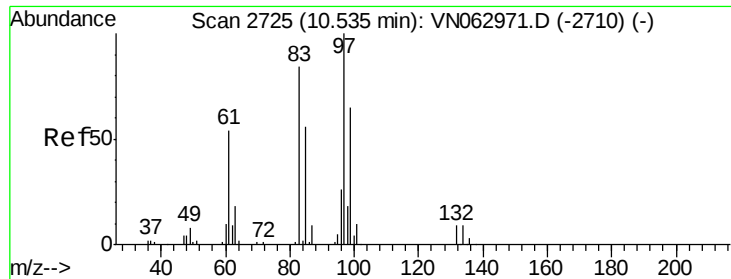
Ion Ratio Lower Upper

75 100

77 31.7 25.4 38.2

39 38.9 30.6 46.0

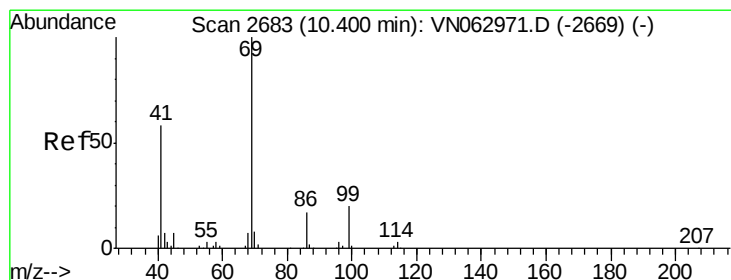
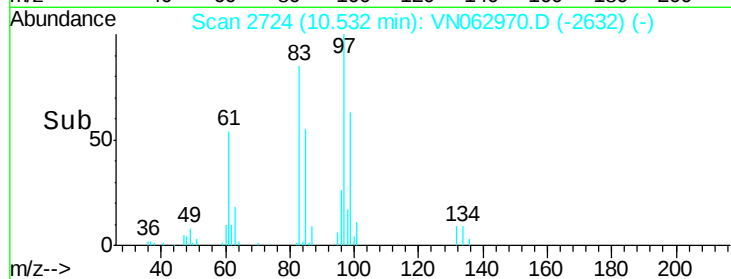
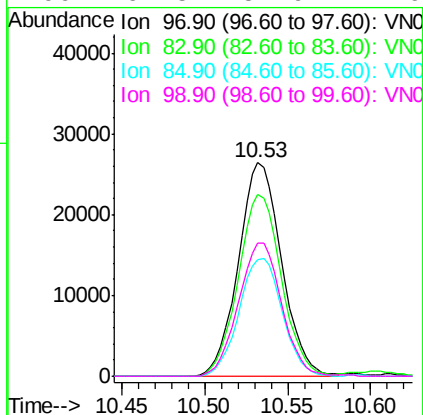
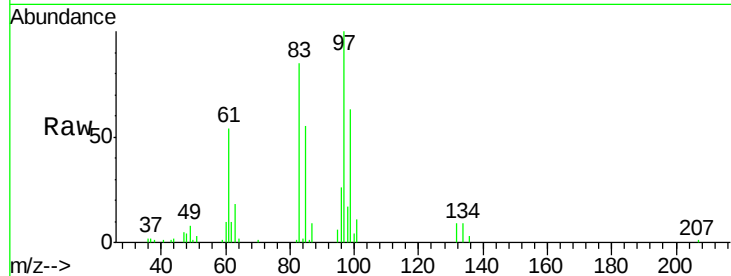




#55
 1,1,2-Trichloroethane
 Concen: 19.885 ug/l
 RT: 10.53 min Scan# 2724
 Delta R.T. -0.00 min
 Lab File: VN062970.D
 Acq: 17 Aug 2020 14:14

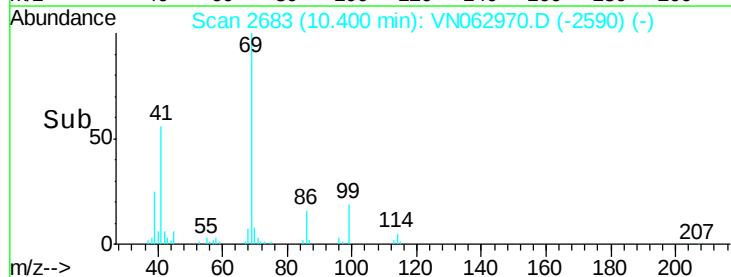
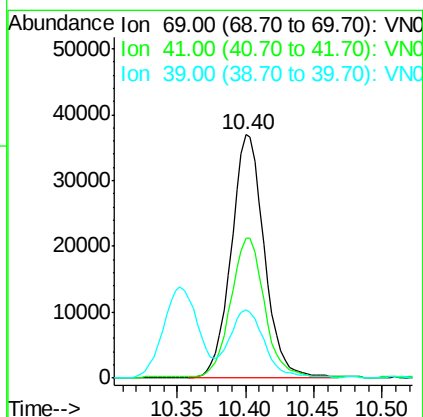
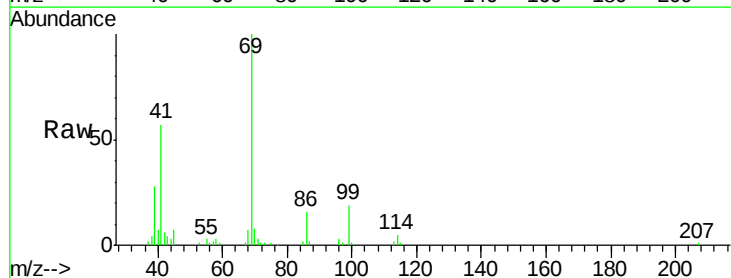
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

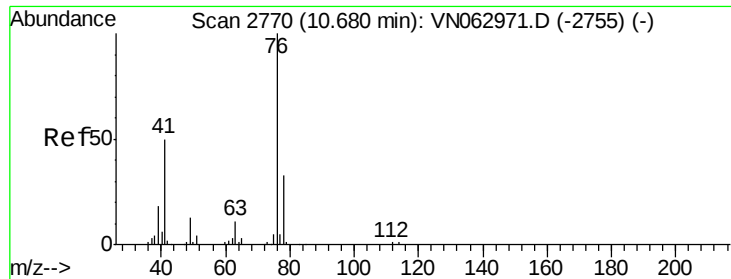
Tgt Ion:	97	Resp:	47811
Ion	Ratio	Lower	Upper
97	100		
83	84.9	67.0	100.4
85	54.8	44.4	66.6
99	62.5	51.9	77.9



#56
 Ethyl methacrylate
 Concen: 17.710 ug/l
 RT: 10.40 min Scan# 2683
 Delta R.T. 0.00 min
 Lab File: VN062970.D
 Acq: 17 Aug 2020 14:14

Tgt Ion:	69	Resp:	62397
Ion	Ratio	Lower	Upper
69	100		
41	57.5	46.0	69.0
39	30.2	23.4	35.0





#57

1,3-Dichloropropane

Concen: 18.749 ug/l

RT: 10.68 min Scan# 2770

Delta R.T. 0.00 min

Lab File: VN062970.D

Acq: 17 Aug 2020 14:14

Instrument :

MSVOA_N

ClientSampleId :

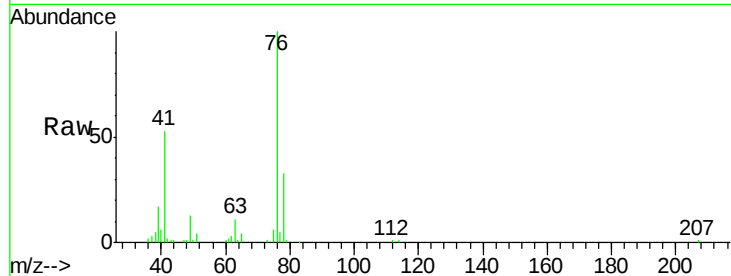
VSTDIC020

Tgt Ion: 76 Resp: 75340

Ion Ratio Lower Upper

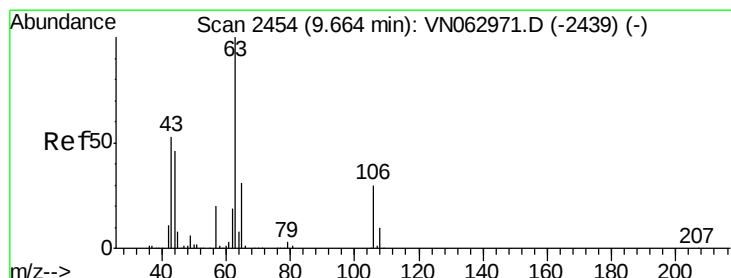
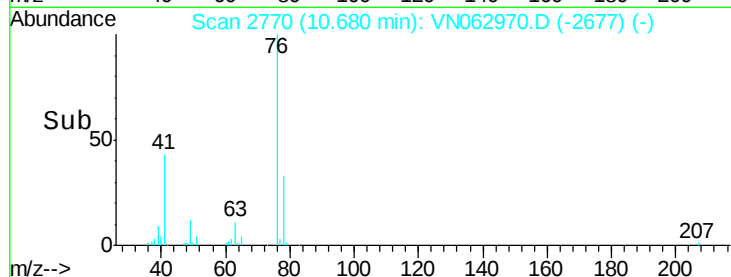
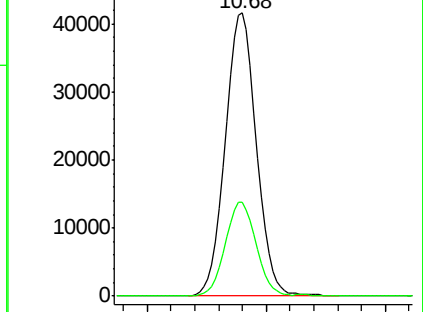
76 100

78 32.8 26.2 39.4



Abundance Ion 75.90 (75.60 to 76.60): VN062970.D (-2755) (-)

Ion 77.90 (77.60 to 78.60): VN062970.D (-2755) (-)



#58

2-Chloroethyl Vinyl ether

Concen: 61.899 ug/l

RT: 9.66 min Scan# 2454

Delta R.T. 0.00 min

Lab File: VN062970.D

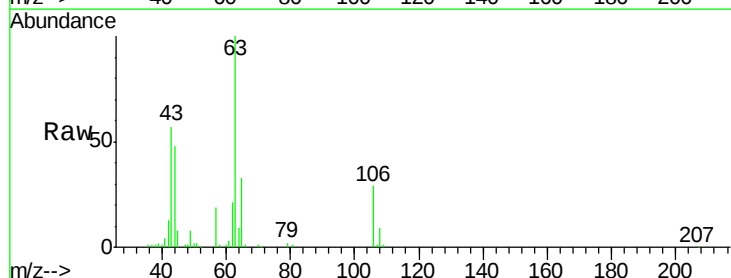
Acq: 17 Aug 2020 14:14

Tgt Ion: 63 Resp: 60358

Ion Ratio Lower Upper

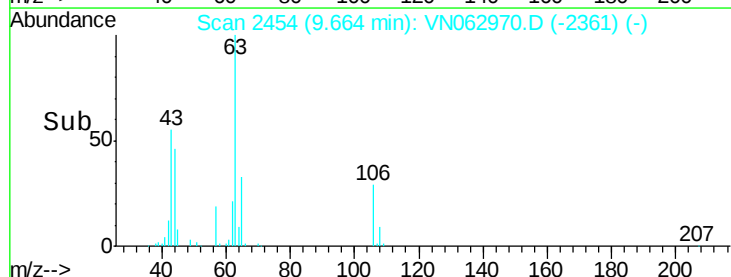
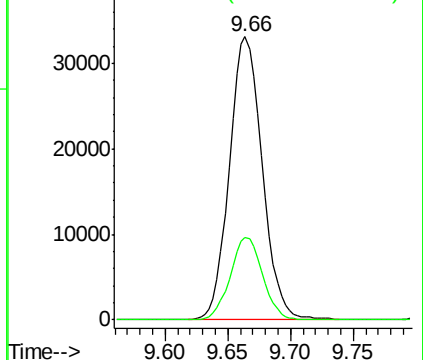
63 100

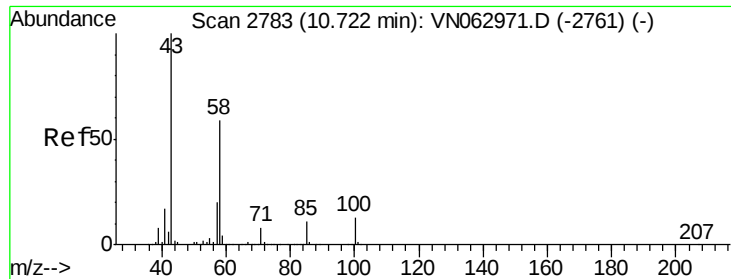
106 28.5 23.4 35.2



Abundance Ion 62.90 (62.60 to 63.60): VN062970.D (-2439) (-)

Ion 105.90 (105.60 to 106.60): VN062970.D (-2439) (-)

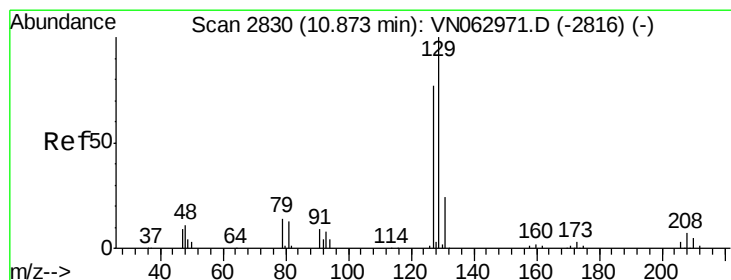
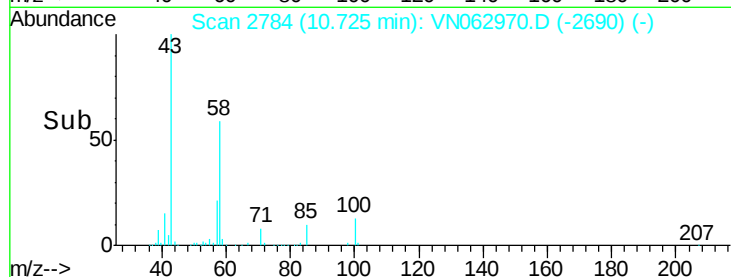
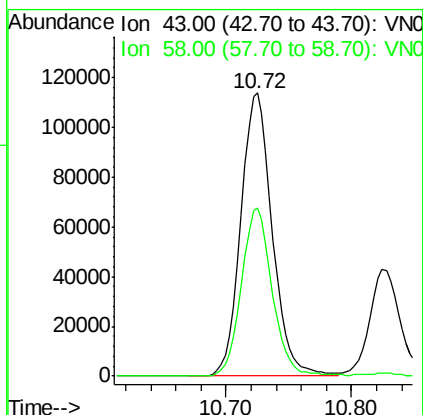
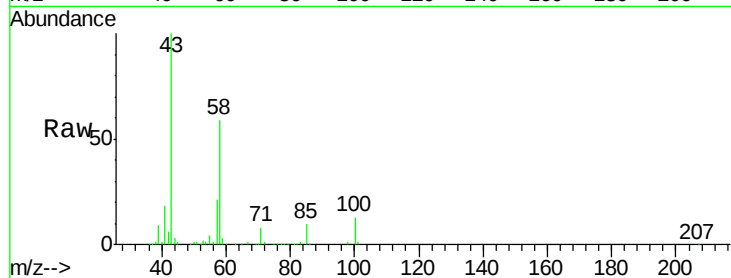




#59
2-Hexanone
Concen: 81.204 ug/l
RT: 10.72 min Scan# 2784
Delta R.T. 0.00 min
Lab File: VN062970.D
Acq: 17 Aug 2020 14:14

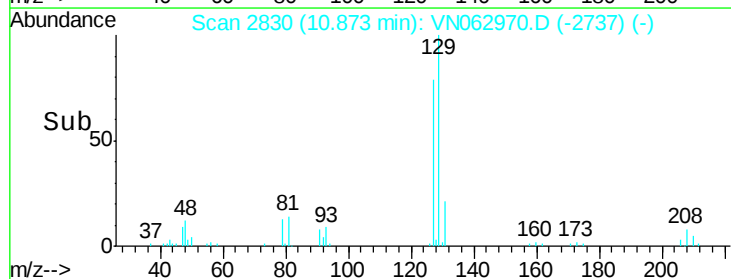
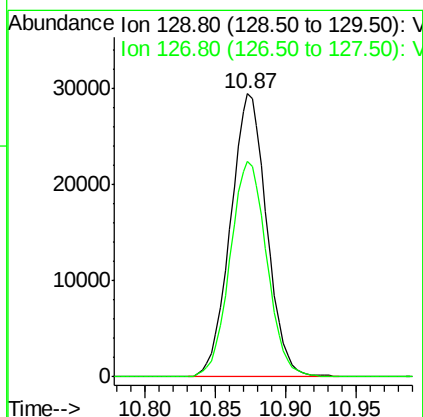
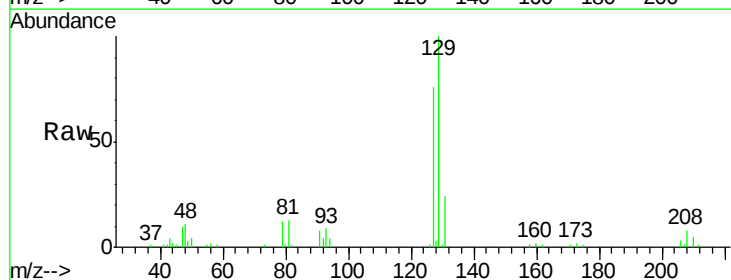
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

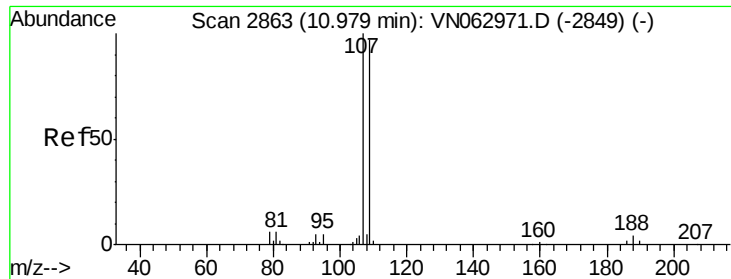
Tgt Ion: 43 Resp: 198783
Ion Ratio Lower Upper
43 100
58 58.1 29.5 88.5



#60
Dibromochloromethane
Concen: 19.463 ug/l
RT: 10.87 min Scan# 2830
Delta R.T. 0.00 min
Lab File: VN062970.D
Acq: 17 Aug 2020 14:14

Tgt Ion: 129 Resp: 52975
Ion Ratio Lower Upper
129 100
127 77.0 38.4 115.2

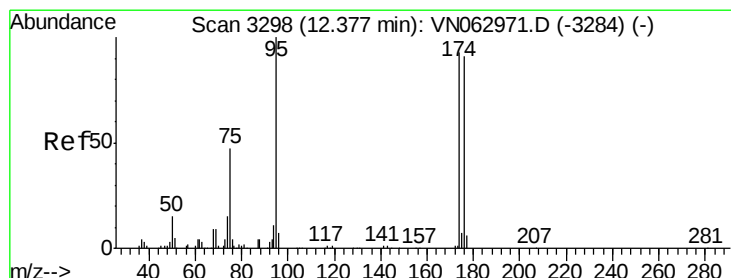
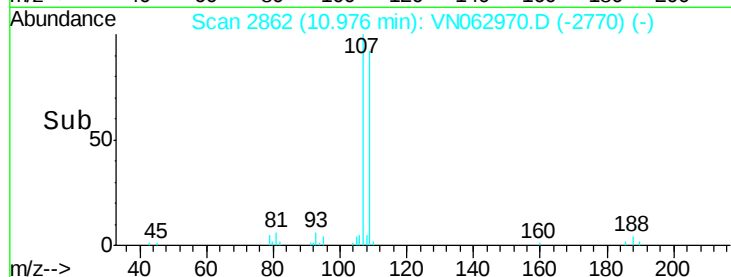
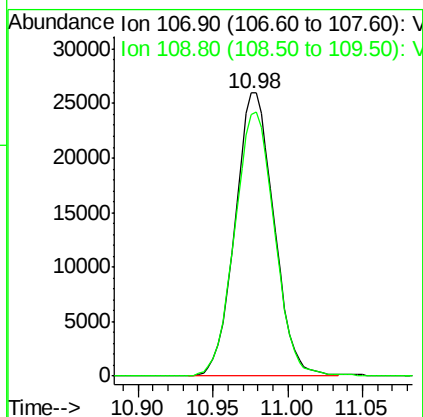
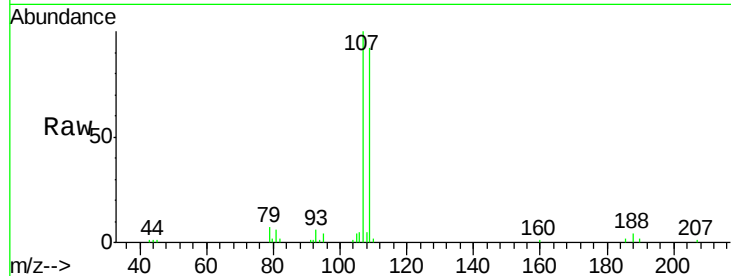




#61
 1,2-Dibromoethane
 Concen: 19.846 ug/l
 RT: 10.98 min Scan# 2862
 Delta R.T. -0.00 min
 Lab File: VN062970.D
 Acq: 17 Aug 2020 14:14

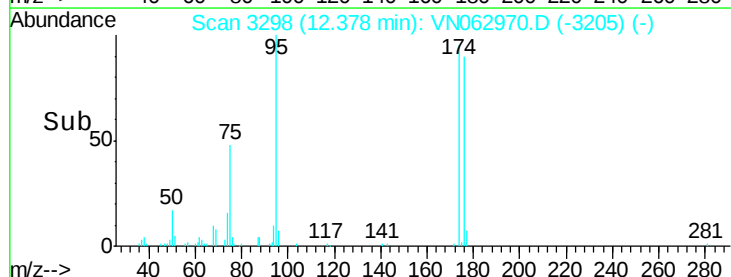
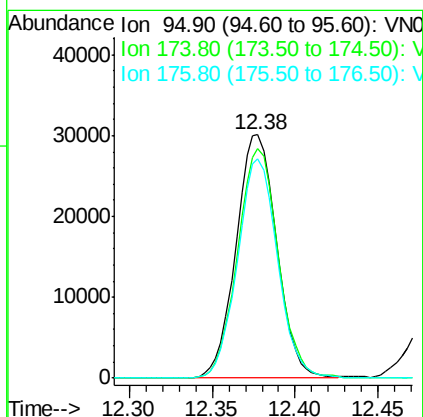
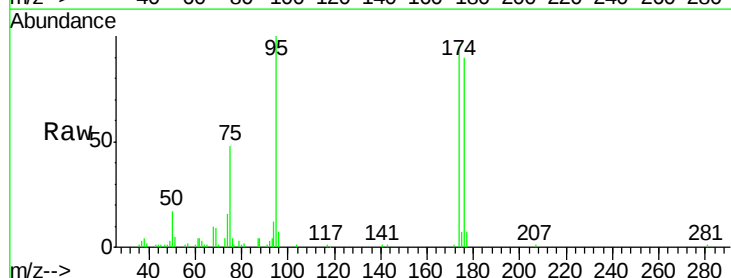
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

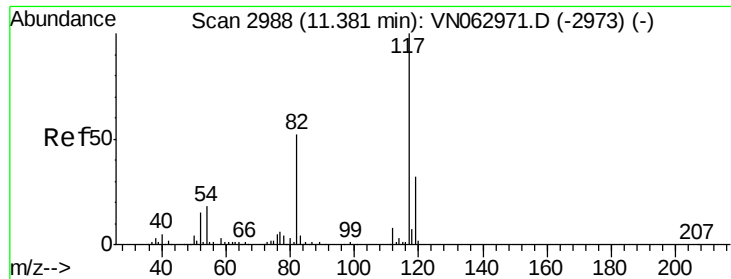
Tgt Ion: 107 Resp: 47019
 Ion Ratio Lower Upper
 107 100
 109 95.5 76.6 115.0



#62
 4-Bromofluorobenzene
 Concen: 16.600 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. 0.00 min
 Lab File: VN062970.D
 Acq: 17 Aug 2020 14:14

Tgt Ion: 95 Resp: 51473
 Ion Ratio Lower Upper
 95 100
 174 93.6 0.0 185.2
 176 88.5 0.0 178.8

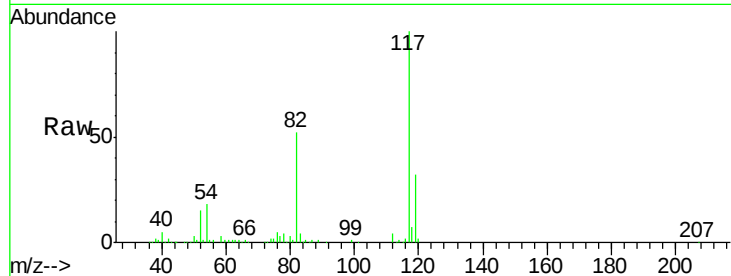




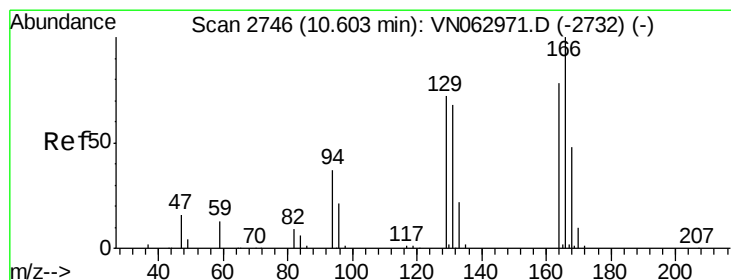
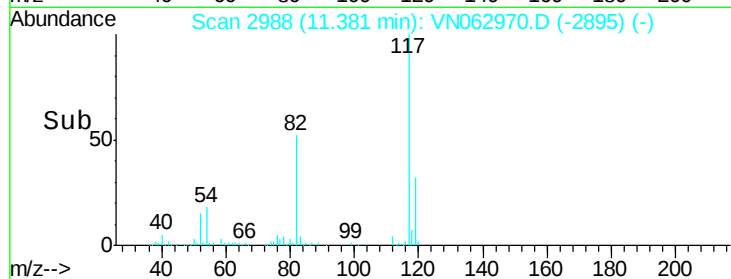
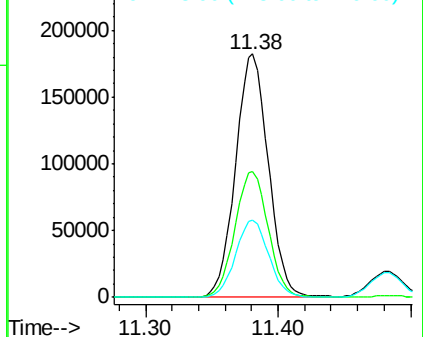
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. 0.00 min
Lab File: VN062970.D
Acq: 17 Aug 2020 14:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tgt Ion:117 Resp: 313333
Ion Ratio Lower Upper
117 100
82 51.8 41.3 61.9
119 32.0 25.8 38.8

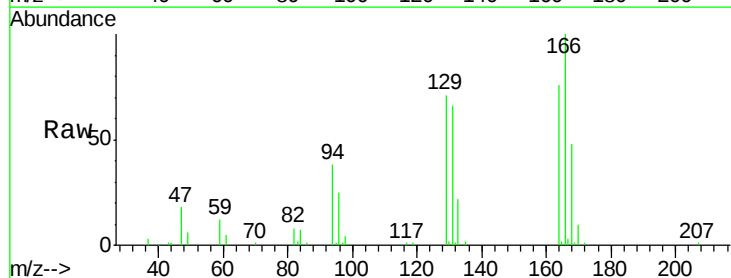


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

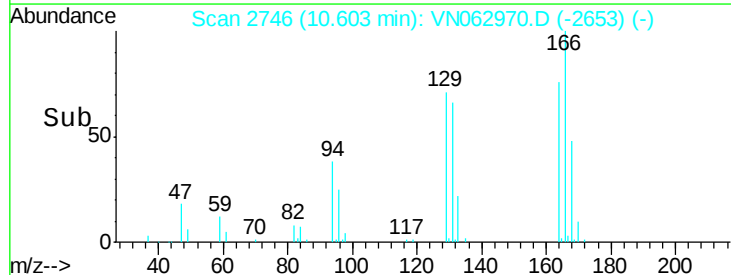
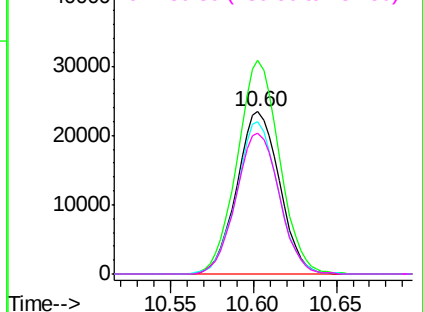


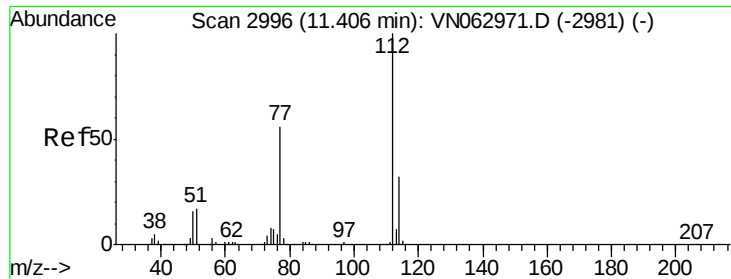
#64
Tetrachloroethene
Concen: 20.424 ug/l
RT: 10.60 min Scan# 2746
Delta R.T. 0.00 min
Lab File: VN062970.D
Acq: 17 Aug 2020 14:14

Tgt Ion:164 Resp: 41861
Ion Ratio Lower Upper
164 100
166 131.7 101.9 152.9
129 93.6 73.1 109.7
131 87.0 69.0 103.4



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





#65

Chlorobenzene

Concen: 19.284 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN062970.D

Acq: 17 Aug 2020 14:14

Instrument :

MSVOA_N

ClientSampleId :

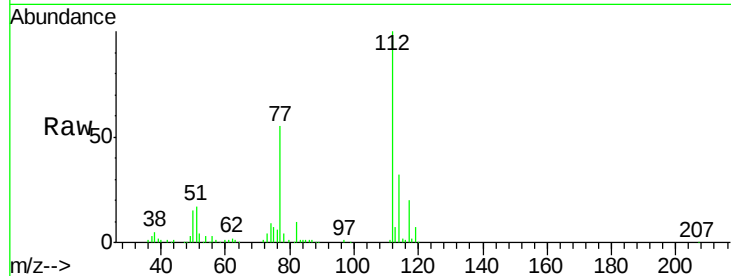
VSTDIC020

Tgt Ion:112 Resp: 125756

Ion Ratio Lower Upper

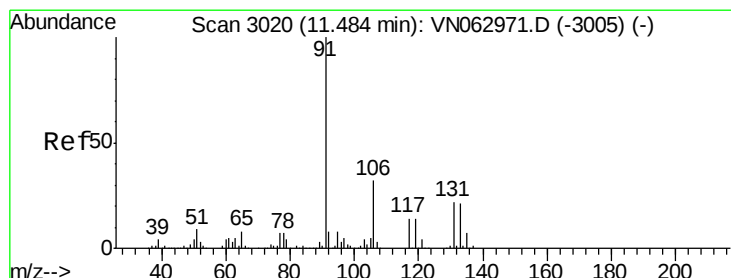
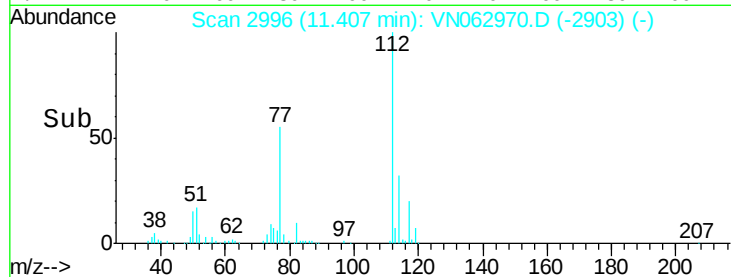
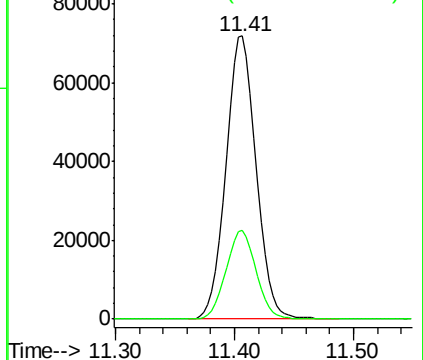
112 100

114 31.6 25.4 38.2



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 18.989 ug/l

RT: 11.48 min Scan# 3020

Delta R.T. 0.00 min

Lab File: VN062970.D

Acq: 17 Aug 2020 14:14

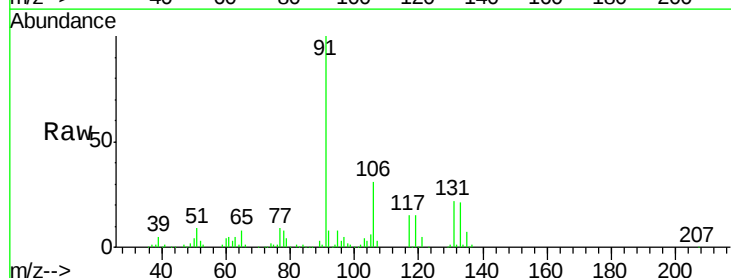
Tgt Ion:131 Resp: 49348

Ion Ratio Lower Upper

131 100

133 94.5 47.8 143.4

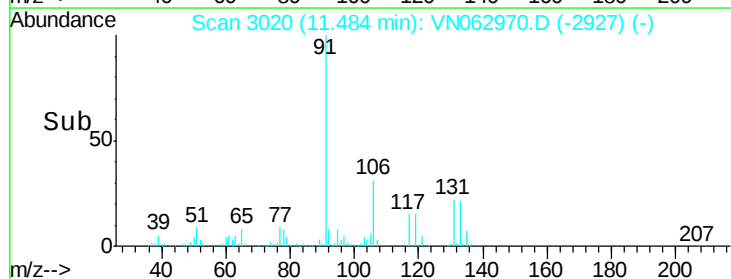
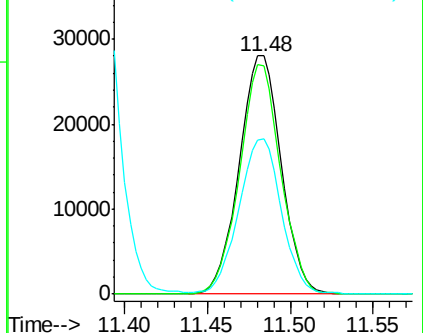
119 66.3 32.4 97.0

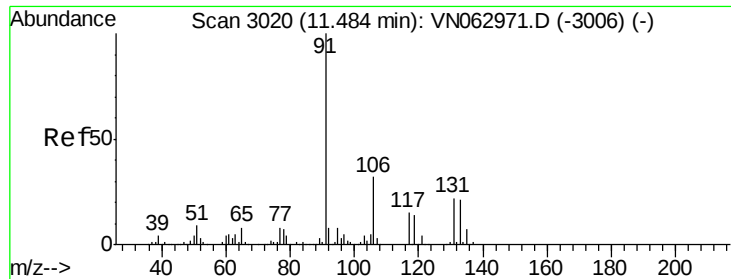


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

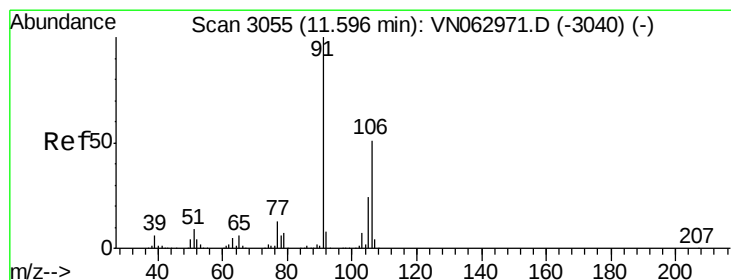
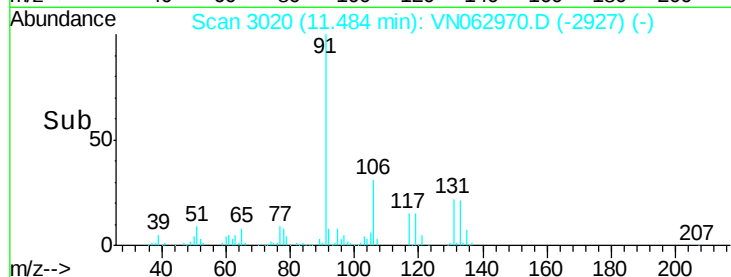
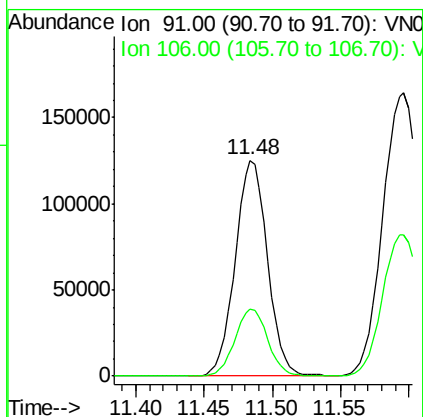
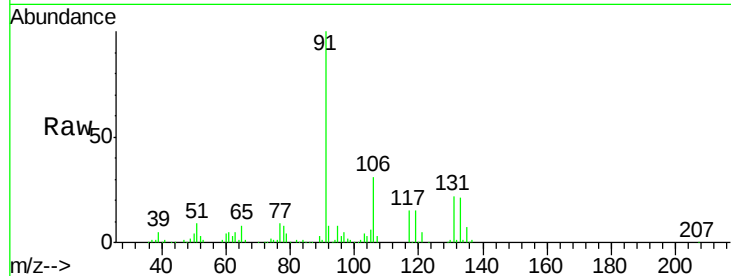




#67
Ethyl Benzene
Concen: 17.895 ug/l
RT: 11.48 min Scan# 3020
Delta R.T. 0.00 min
Lab File: VN062970.D
Acq: 17 Aug 2020 14:14

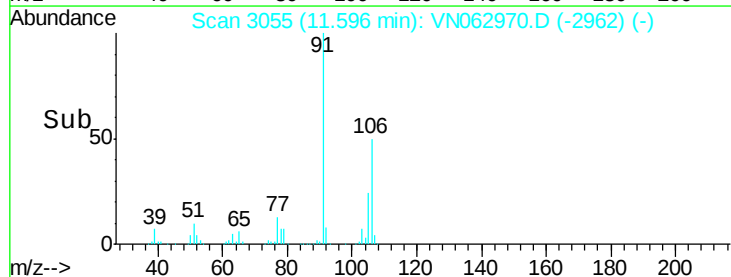
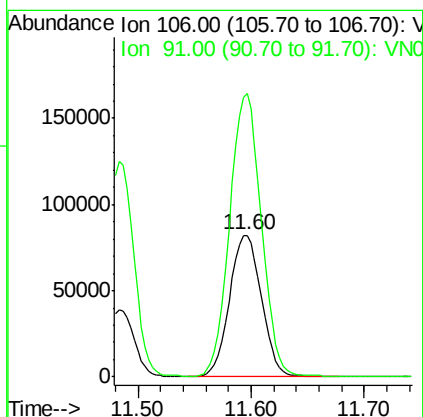
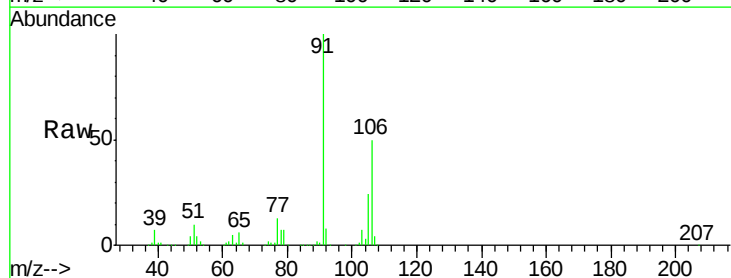
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

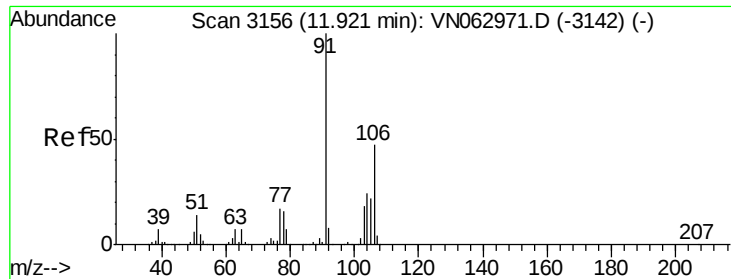
Tgt Ion: 91 Resp: 205934
Ion Ratio Lower Upper
91 100
106 31.0 25.9 38.9



#68
m/p-Xylenes
Concen: 38.463 ug/l
RT: 11.60 min Scan# 3055
Delta R.T. 0.00 min
Lab File: VN062970.D
Acq: 17 Aug 2020 14:14

Tgt Ion: 106 Resp: 162268
Ion Ratio Lower Upper
106 100
91 197.2 158.7 238.1

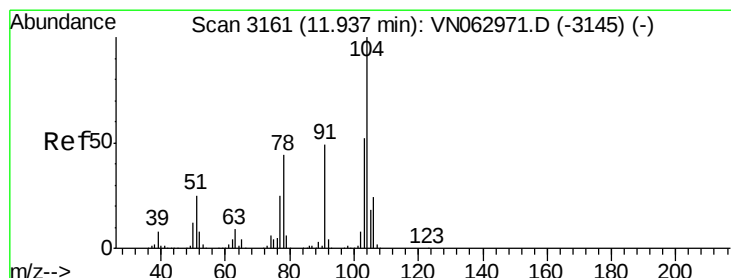
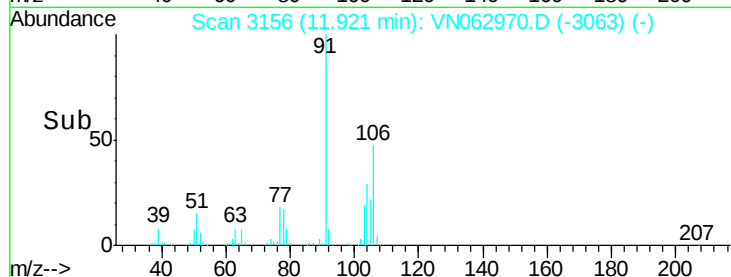
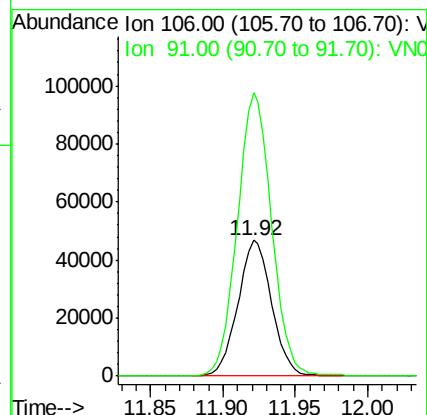
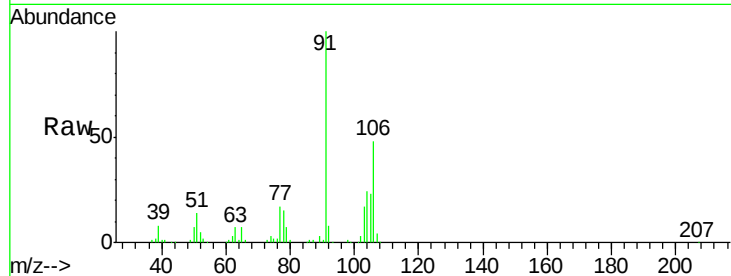




#69
o-Xylene
Concen: 19.175 ug/l
RT: 11.92 min Scan# 3156
Delta R.T. 0.00 min
Lab File: VN062970.D
Acq: 17 Aug 2020 14:14

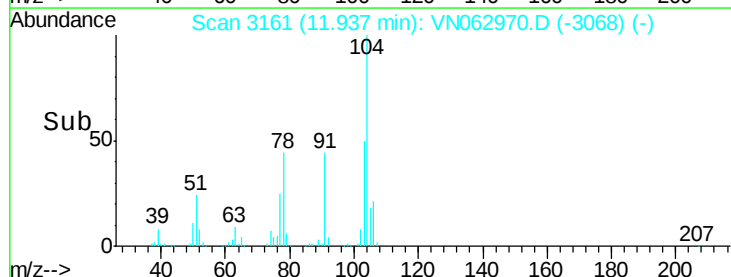
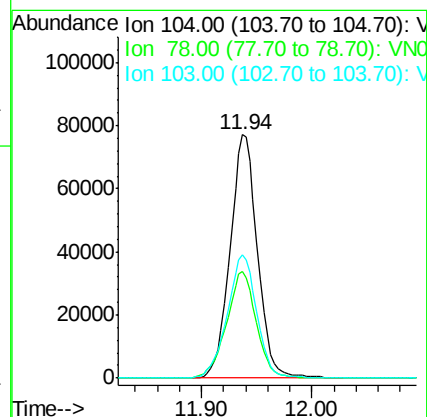
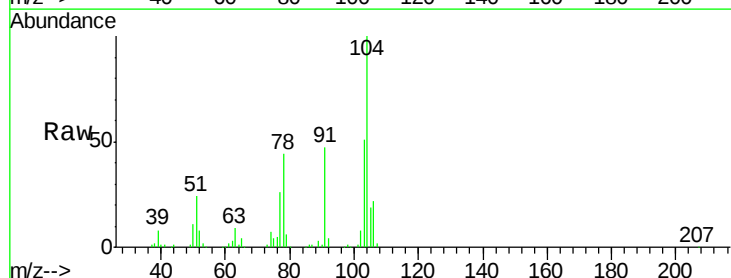
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

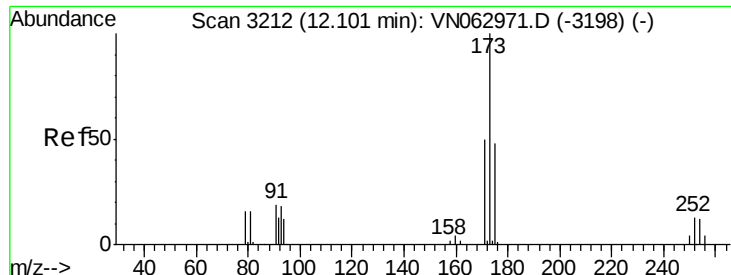
Tgt Ion:106 Resp: 75638
Ion Ratio Lower Upper
106 100
91 212.1 106.3 318.8



#70
Styrene
Concen: 19.153 ug/l
RT: 11.94 min Scan# 3161
Delta R.T. 0.00 min
Lab File: VN062970.D
Acq: 17 Aug 2020 14:14

Tgt Ion:104 Resp: 132717
Ion Ratio Lower Upper
104 100
78 47.6 38.2 57.4
103 54.7 44.9 67.3

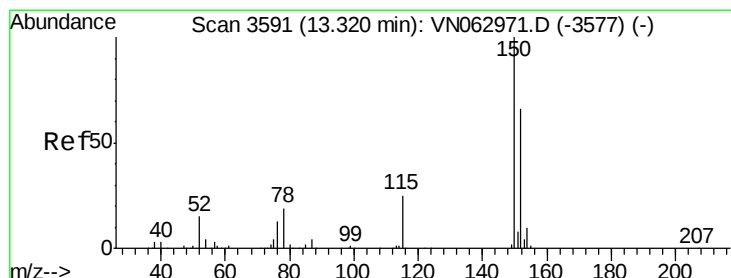
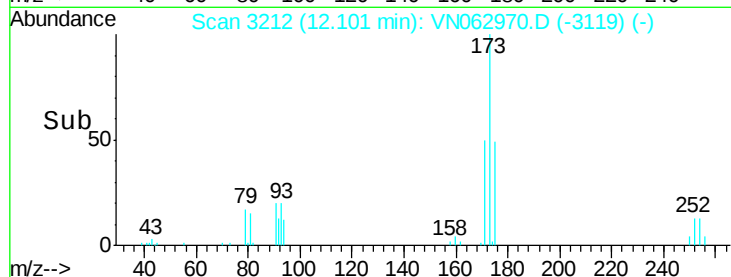
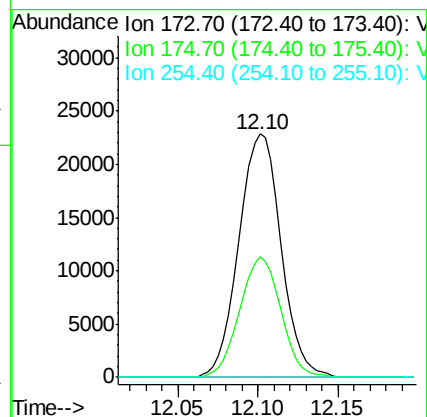
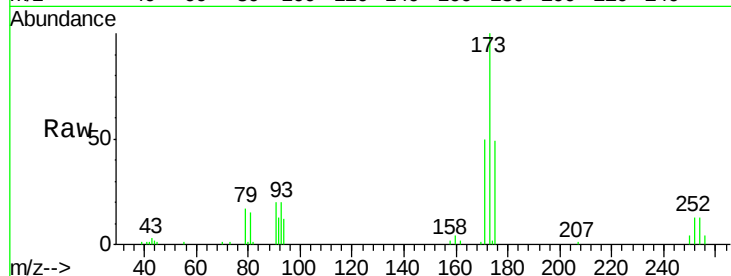




#71
Bromoform
Concen: 19.176 ug/l
RT: 12.10 min Scan# 3212
Delta R.T. 0.00 min
Lab File: VN062970.D
Acq: 17 Aug 2020 14:14

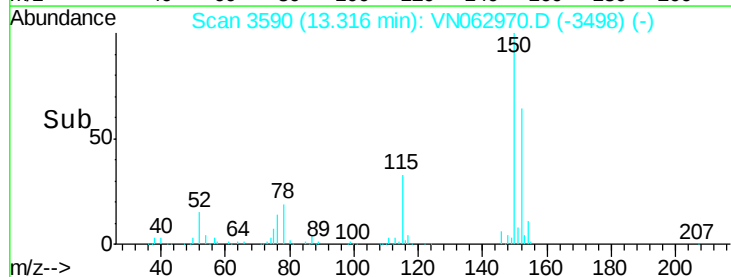
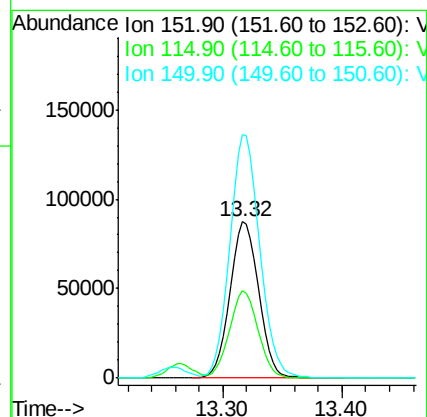
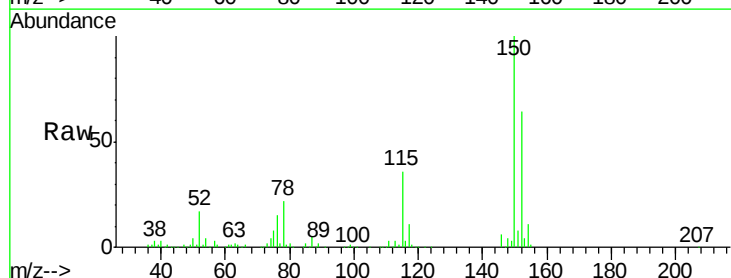
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

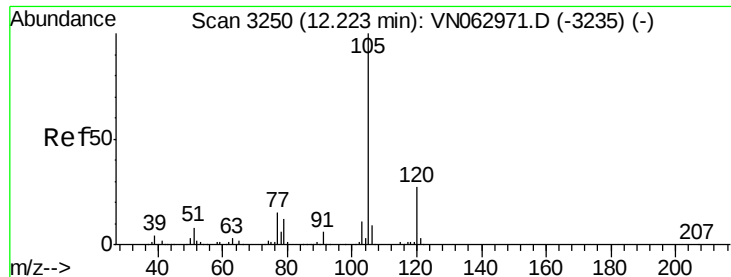
Tgt Ion:173 Resp: 41168
Ion Ratio Lower Upper
173 100
175 48.2 24.1 72.2
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3590
Delta R.T. -0.00 min
Lab File: VN062970.D
Acq: 17 Aug 2020 14:14

Tgt Ion:152 Resp: 146589
Ion Ratio Lower Upper
152 100
115 55.8 27.1 81.3
150 161.1 0.0 341.4





#73

Isopropylbenzene

Concen: 18.628 ug/l

RT: 12.22 min Scan# 3250

Delta R.T. 0.00 min

Lab File: VN062970.D

Acq: 17 Aug 2020 14:14

Instrument :

MSVOA_N

ClientSampleId :

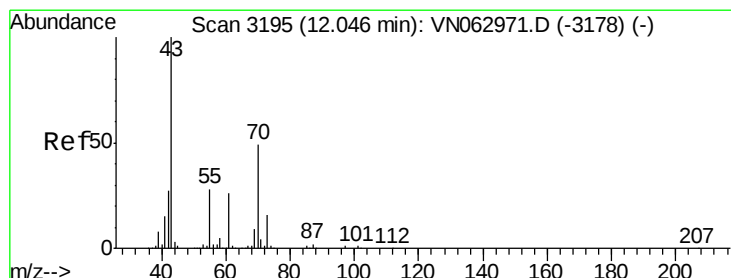
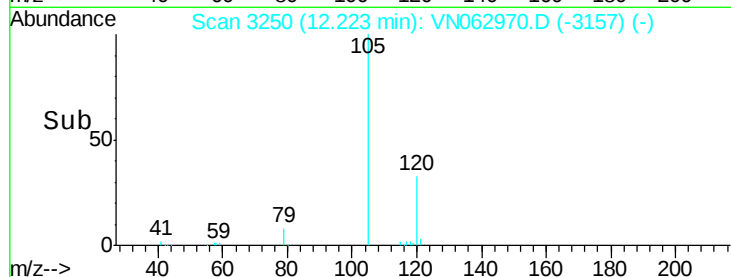
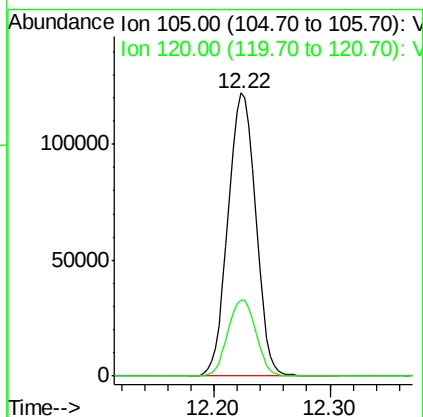
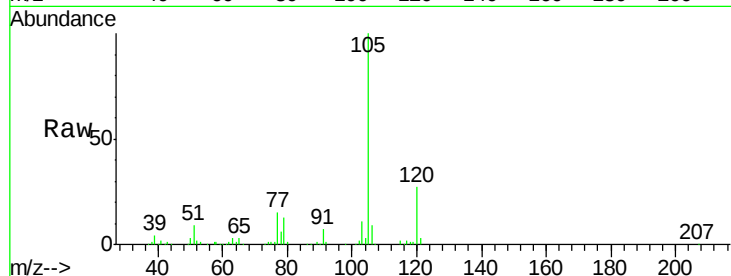
VSTDIC020

Tgt Ion:105 Resp: 201320

Ion Ratio Lower Upper

105 100

120 27.2 13.5 40.4



#74

N-ethyl acetate

Concen: 15.001 ug/l

RT: 12.05 min Scan# 3195

Delta R.T. 0.00 min

Lab File: VN062970.D

Acq: 17 Aug 2020 14:14

Tgt Ion: 43 Resp: 63217

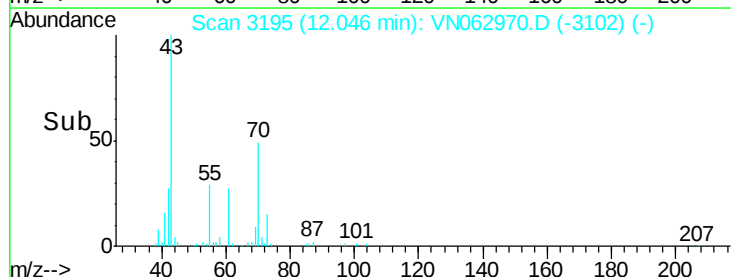
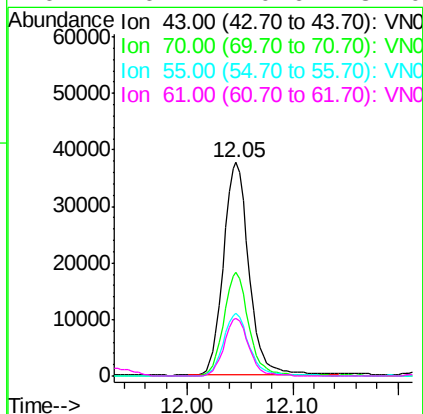
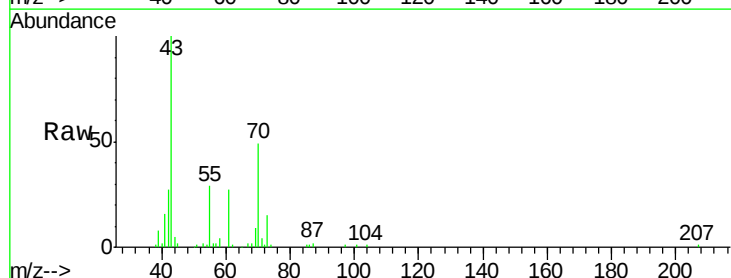
Ion Ratio Lower Upper

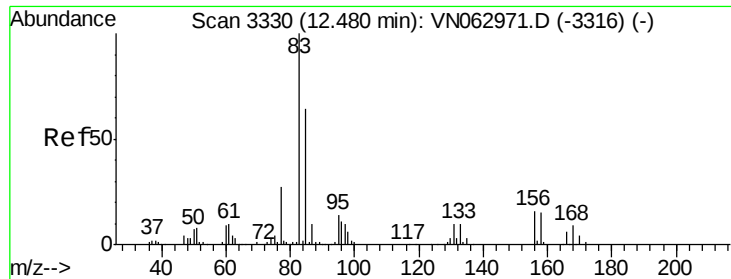
43 100

70 47.4 38.4 57.6

55 29.9 21.9 32.9

61 26.2 20.6 31.0





#75

1,1,2,2-Tetrachloroethane

Concen: 17.756 ug/l

RT: 12.48 min Scan# 3329

Delta R.T. -0.00 min

Lab File: VN062970.D

Acq: 17 Aug 2020 14:14

Instrument :

MSVOA_N

ClientSampled :

VSTDIC020

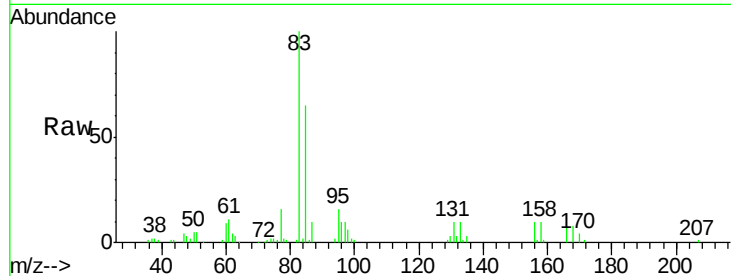
Tgt Ion: 83 Resp: 67489

Ion Ratio Lower Upper

83 100

131 10.7 5.3 16.1

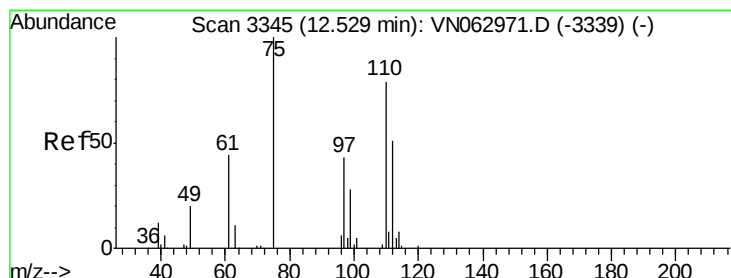
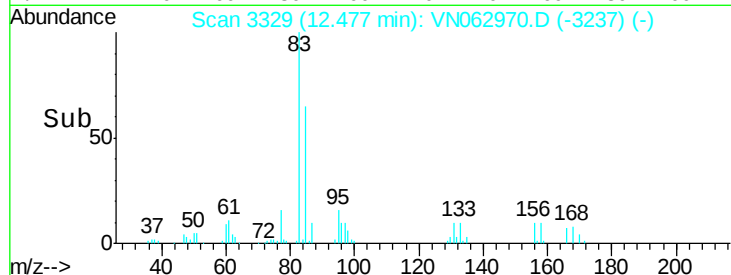
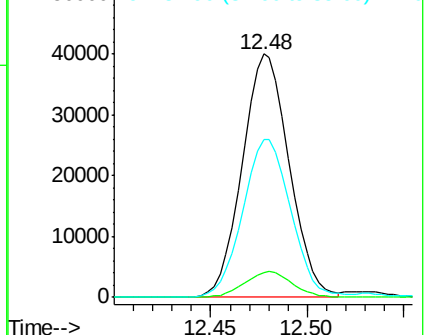
85 66.2 31.9 95.7



Abundance Ion 82.90 (82.60 to 83.60): VN062970.D (-3329) (-)

Ion 130.80 (130.50 to 131.50): VN062970.D (-3329) (-)

Ion 84.90 (84.60 to 85.60): VN062970.D (-3329) (-)



#76

1,2,3-Trichloropropane

Concen: 21.523 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN062970.D

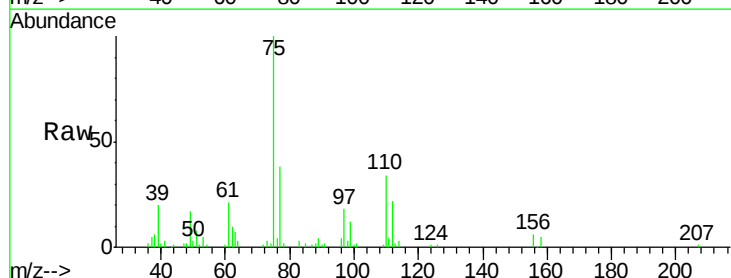
Acq: 17 Aug 2020 14:14

Tgt Ion: 75 Resp: 81681

Ion Ratio Lower Upper

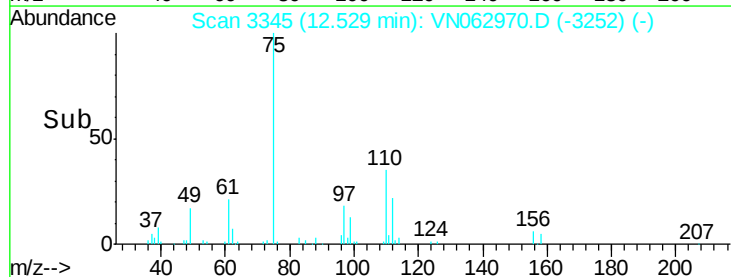
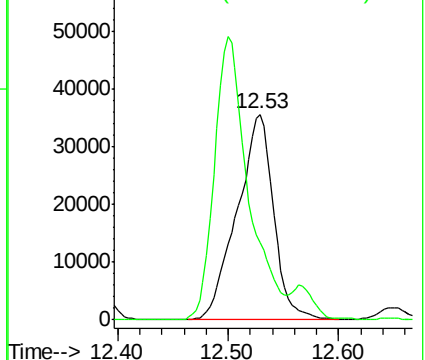
75 100

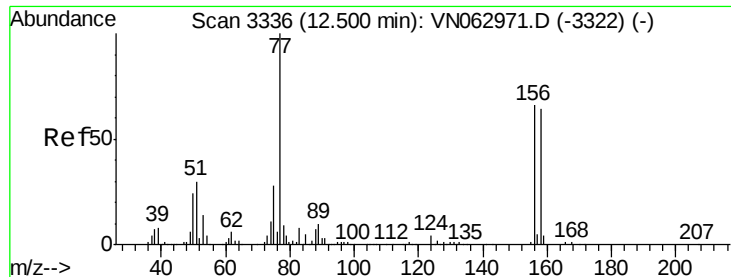
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN062970.D (-3345) (-)

Ion 77.00 (76.70 to 77.70): VN062970.D (-3345) (-)





#77

Bromobenzene

Concen: 20.594 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN062970.D

Acq: 17 Aug 2020 14:14

Instrument :

MSVOA_N

ClientSampled :

VSTDIC020

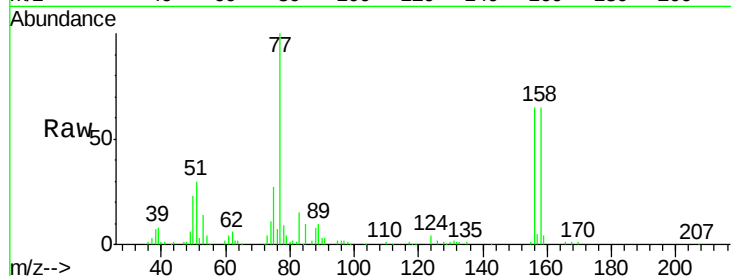
Tgt Ion:156 Resp: 56743

Ion Ratio Lower Upper

156 100

77 183.3 92.4 277.2

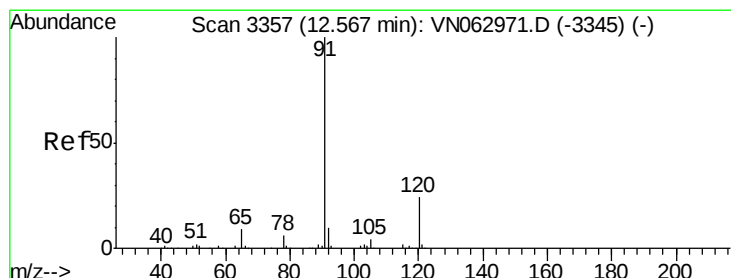
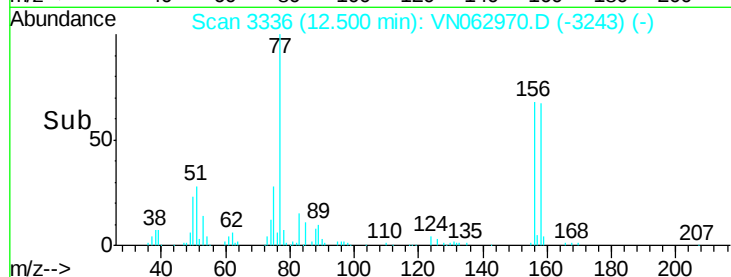
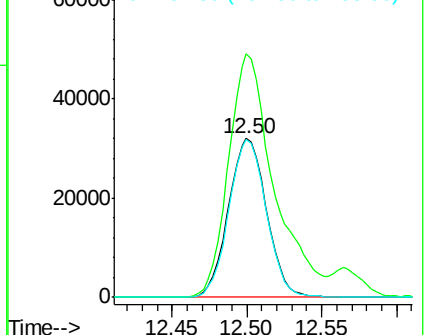
158 97.2 48.6 145.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 17.630 ug/l

RT: 12.57 min Scan# 3357

Delta R.T. 0.00 min

Lab File: VN062970.D

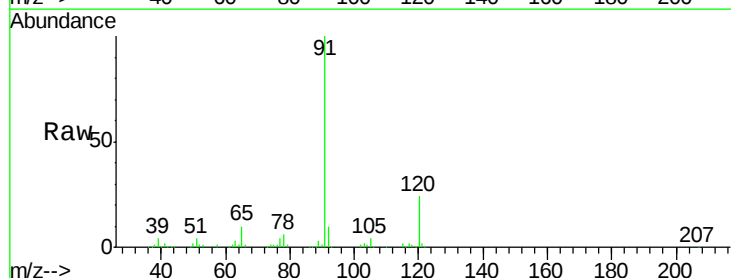
Acq: 17 Aug 2020 14:14

Tgt Ion: 91 Resp: 222891

Ion Ratio Lower Upper

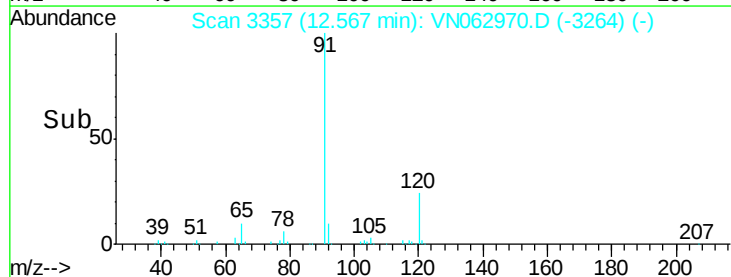
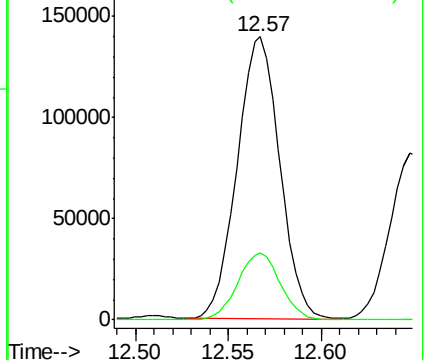
91 100

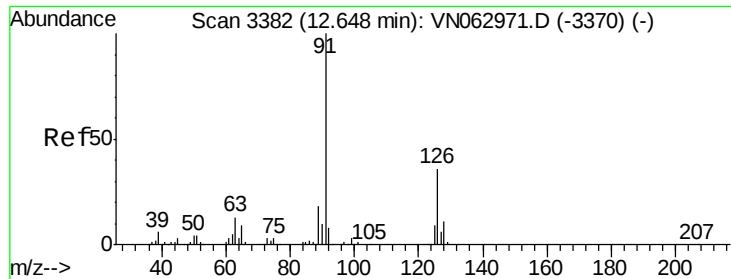
120 23.7 12.1 36.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 17.167 ug/l

RT: 12.65 min Scan# 3382

Delta R.T. 0.00 min

Lab File: VN062970.D

Acq: 17 Aug 2020 14:14

Instrument :

MSVOA_N

ClientSampleId :

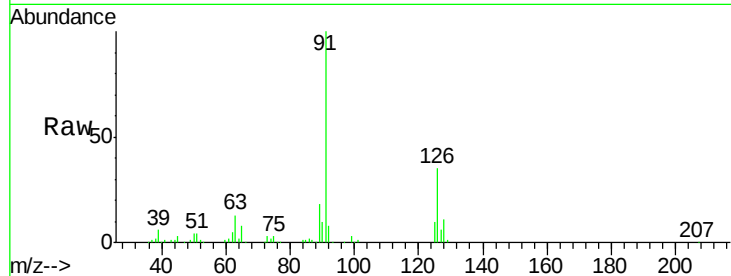
VSTDIC020

Tgt Ion: 91 Resp: 135454

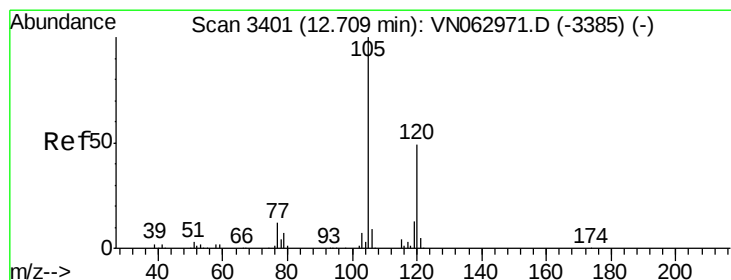
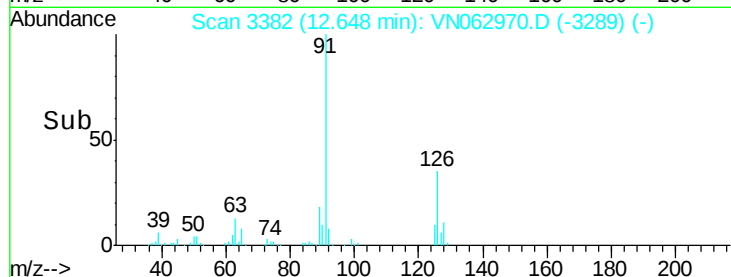
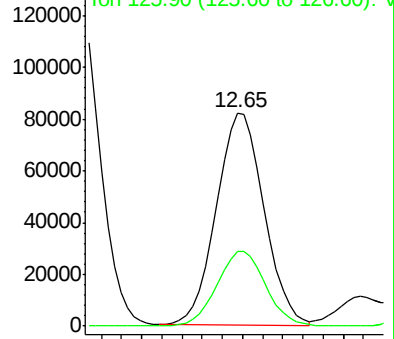
Ion Ratio Lower Upper

91 100

126 36.3 18.1 54.3



Abundance Ion 91.00 (90.70 to 91.70): VN062970.D (-3382) (-)



#80

1,3,5-Trimethylbenzene

Concen: 18.246 ug/l

RT: 12.71 min Scan# 3401

Delta R.T. 0.00 min

Lab File: VN062970.D

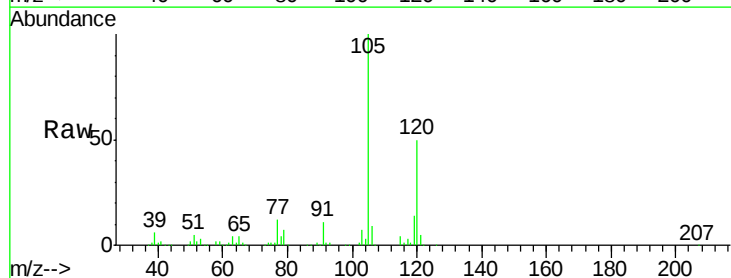
Acq: 17 Aug 2020 14:14

Tgt Ion: 105 Resp: 170754

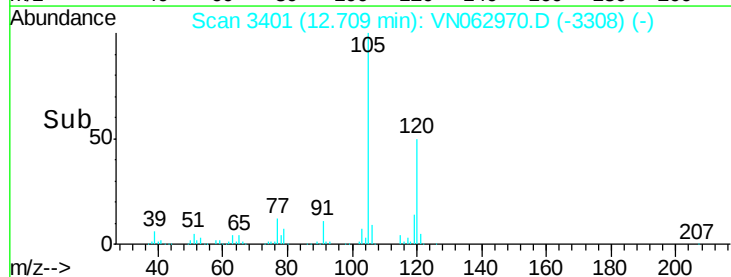
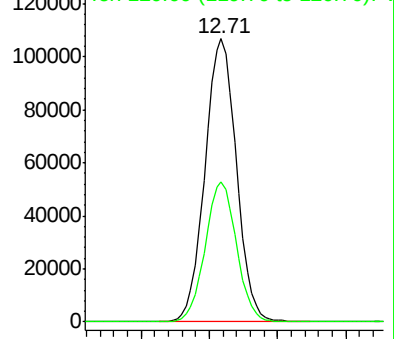
Ion Ratio Lower Upper

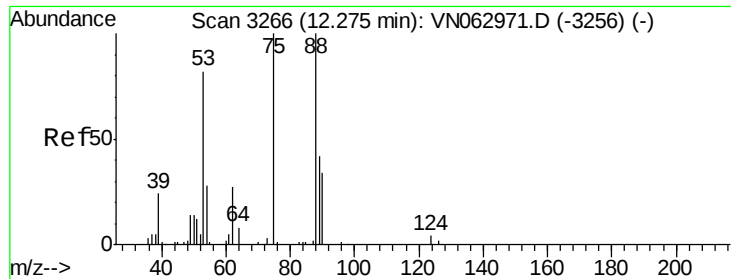
105 100

120 49.2 24.9 74.7



Abundance Ion 105.00 (104.70 to 105.70): VN062970.D (-3401) (-)

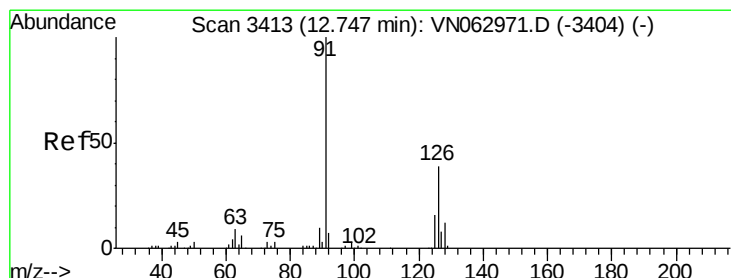
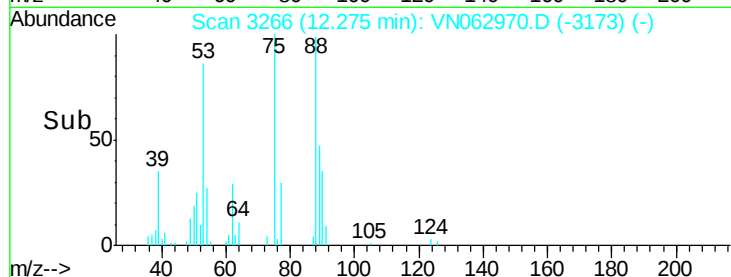
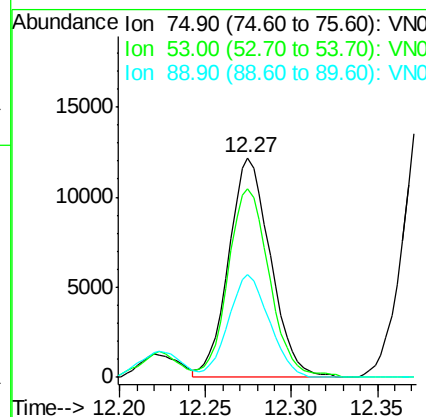
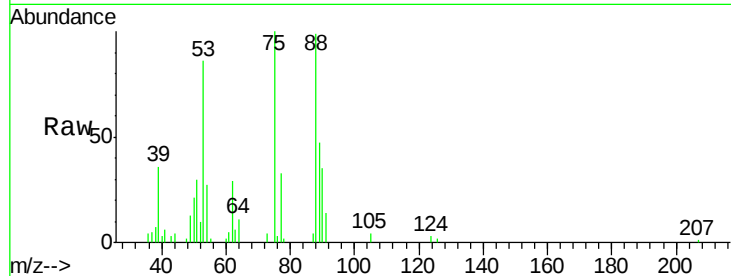




#81
trans-1,4-Dichloro-2-butene
Concen: 16.728 ug/l
RT: 12.27 min Scan# 3266
Delta R.T. 0.00 min
Lab File: VN062970.D
Acq: 17 Aug 2020 14:14

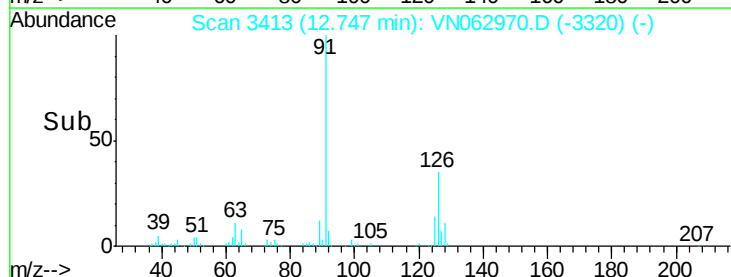
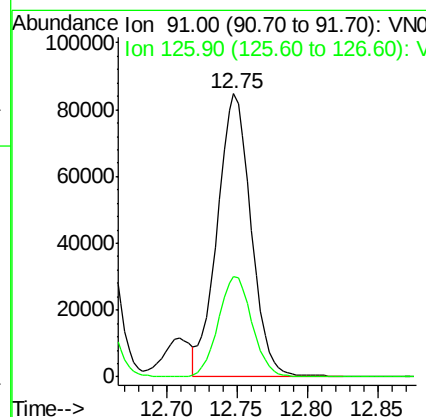
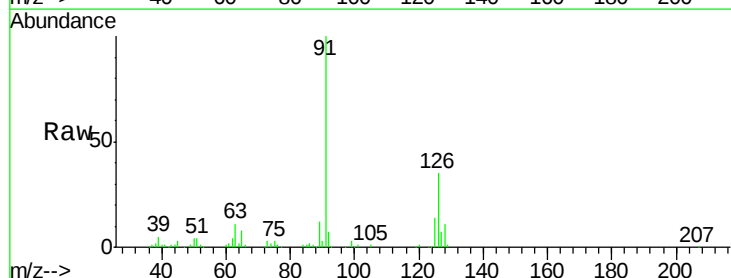
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

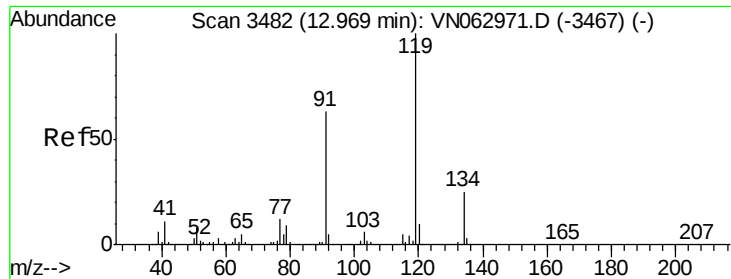
Tgt Ion: 75 Resp: 20628
Ion Ratio Lower Upper
75 100
53 85.0 66.2 99.2
89 45.5 35.0 52.4



#82
4-Chlorotoluene
Concen: 17.191 ug/l
RT: 12.75 min Scan# 3413
Delta R.T. 0.00 min
Lab File: VN062970.D
Acq: 17 Aug 2020 14:14

Tgt Ion: 91 Resp: 140093
Ion Ratio Lower Upper
91 100
126 35.1 17.6 52.8

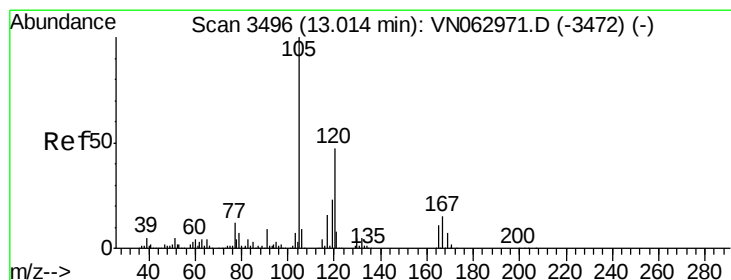
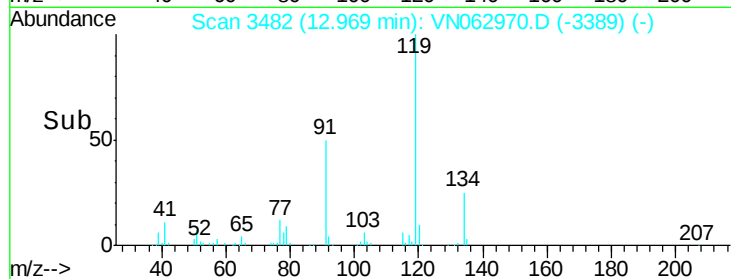
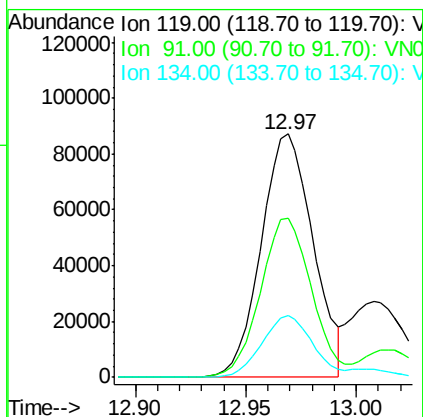
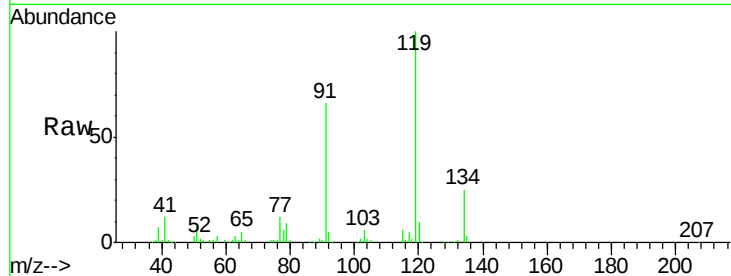




#83
 tert-Butylbenzene
 Concen: 17.921 ug/l
 RT: 12.97 min Scan# 3482
 Delta R.T. 0.00 min
 Lab File: VN062970.D
 Acq: 17 Aug 2020 14:14

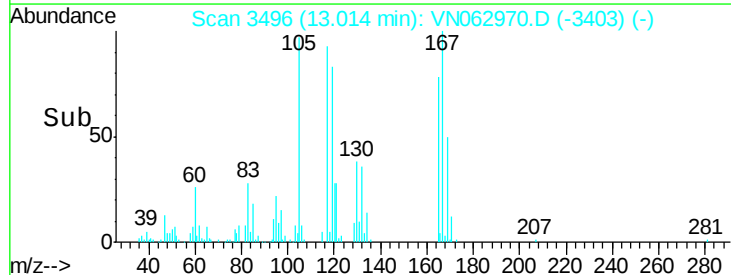
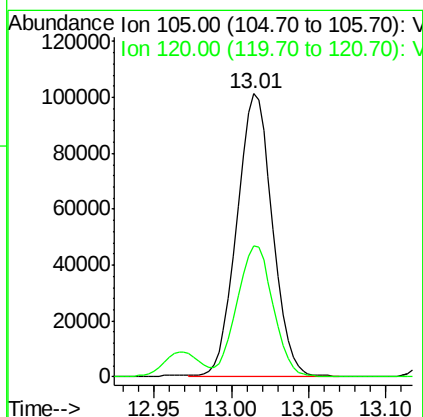
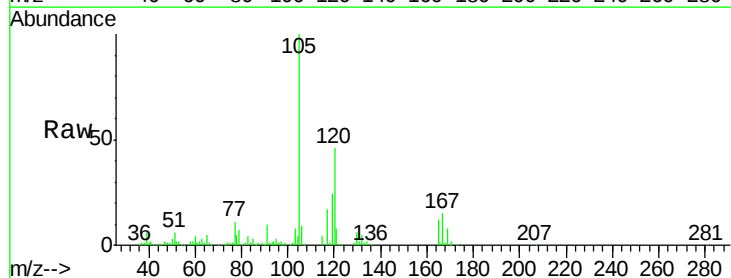
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

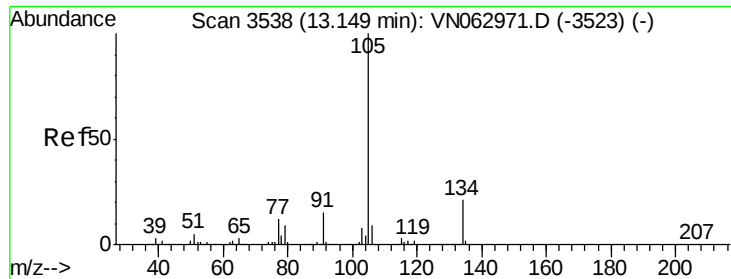
Tgt Ion:119 Resp: 142588
 Ion Ratio Lower Upper
 119 100
 91 64.2 31.0 93.0
 134 24.6 13.3 39.8



#84
 1,2,4-Trimethylbenzene
 Concen: 17.952 ug/l
 RT: 13.01 min Scan# 3496
 Delta R.T. 0.00 min
 Lab File: VN062970.D
 Acq: 17 Aug 2020 14:14

Tgt Ion:105 Resp: 160829
 Ion Ratio Lower Upper
 105 100
 120 47.9 23.2 69.6

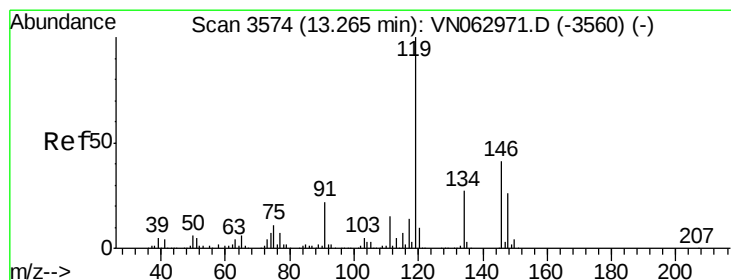
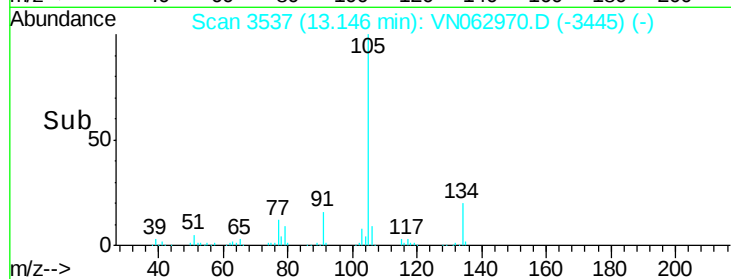
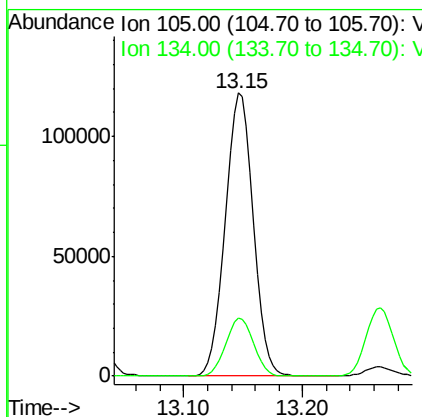
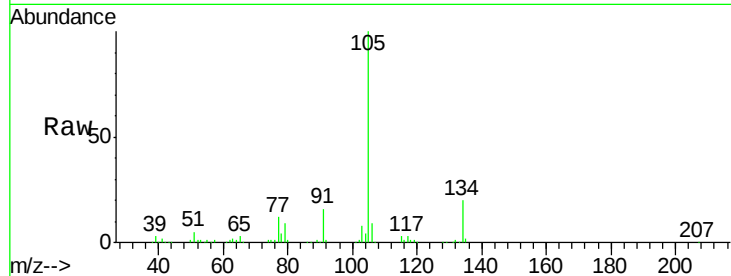




#85
 sec-Butylbenzene
 Concen: 18.403 ug/l
 RT: 13.15 min Scan# 3537
 Delta R.T. -0.00 min
 Lab File: VN062970.D
 Acq: 17 Aug 2020 14:14

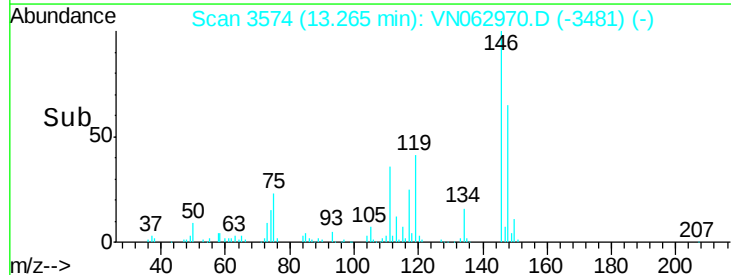
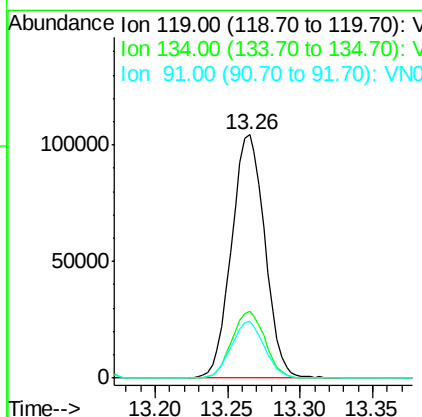
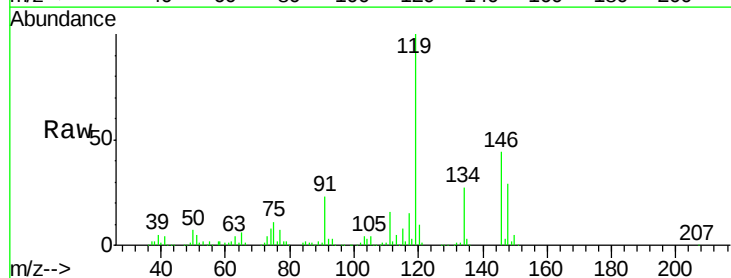
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

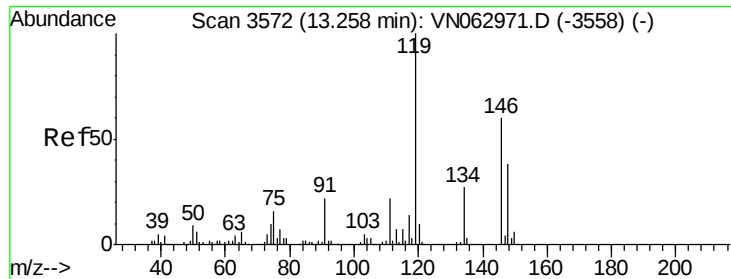
Tgt Ion:105 Resp: 192024
 Ion Ratio Lower Upper
 105 100
 134 20.4 10.4 31.1



#86
 p-Isopropyltoluene
 Concen: 18.025 ug/l
 RT: 13.26 min Scan# 3574
 Delta R.T. 0.00 min
 Lab File: VN062970.D
 Acq: 17 Aug 2020 14:14

Tgt Ion:119 Resp: 167134
 Ion Ratio Lower Upper
 119 100
 134 27.4 13.6 40.7
 91 23.1 11.1 33.1

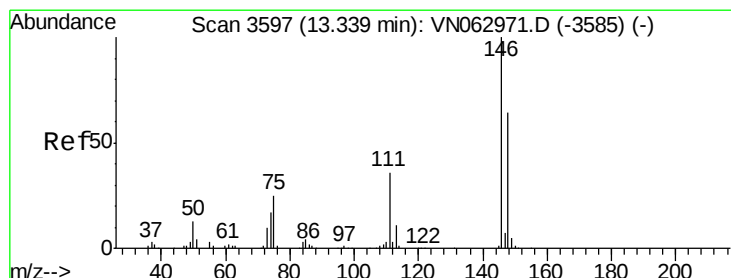
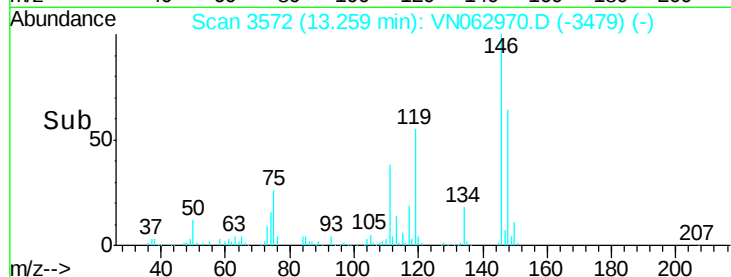
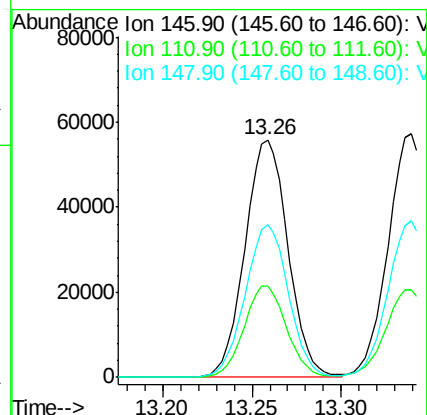
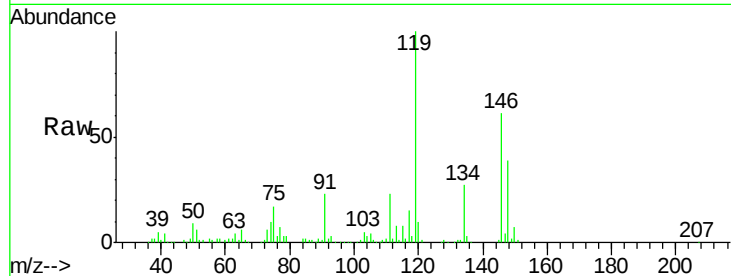




#87
 1,3-Dichlorobenzene
 Concen: 19.273 ug/l
 RT: 13.26 min Scan# 3572
 Delta R.T. 0.00 min
 Lab File: VN062970.D
 Acq: 17 Aug 2020 14:14

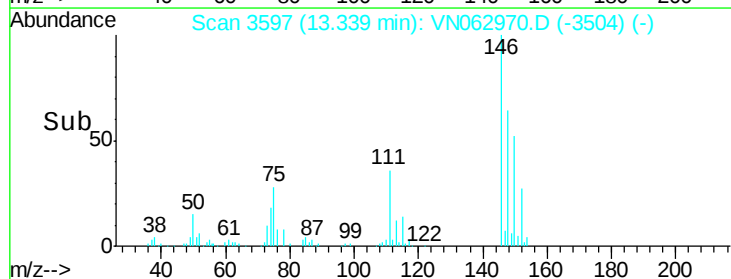
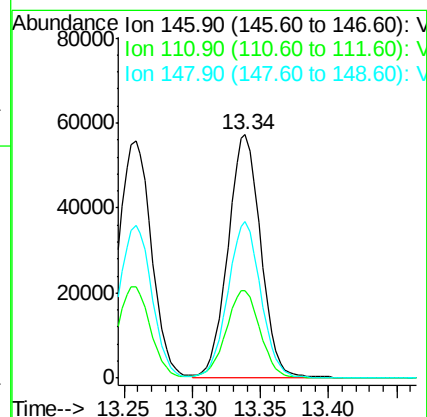
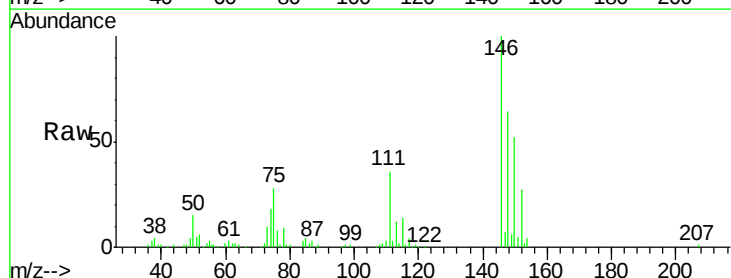
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

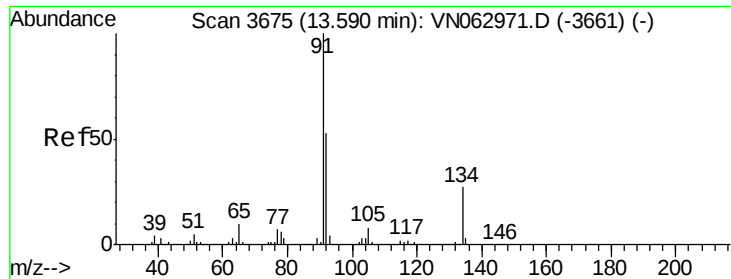
Tgt Ion:146 Resp: 94098
 Ion Ratio Lower Upper
 146 100
 111 38.1 18.9 56.5
 148 64.5 31.7 95.1



#88
 1,4-Dichlorobenzene
 Concen: 19.375 ug/l
 RT: 13.34 min Scan# 3597
 Delta R.T. 0.00 min
 Lab File: VN062970.D
 Acq: 17 Aug 2020 14:14

Tgt Ion:146 Resp: 95193
 Ion Ratio Lower Upper
 146 100
 111 37.9 18.4 55.2
 148 65.4 32.1 96.5

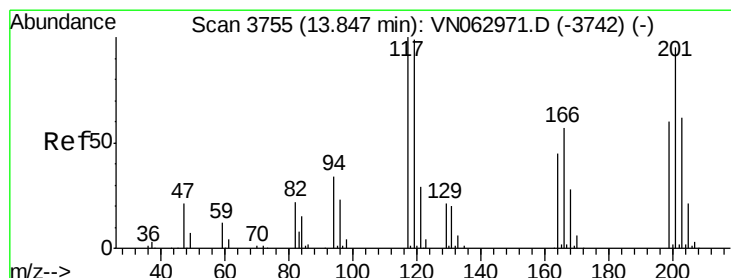
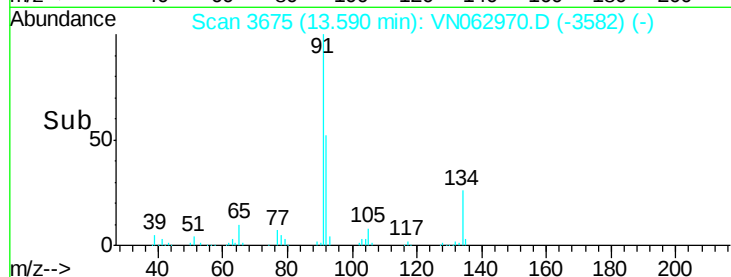
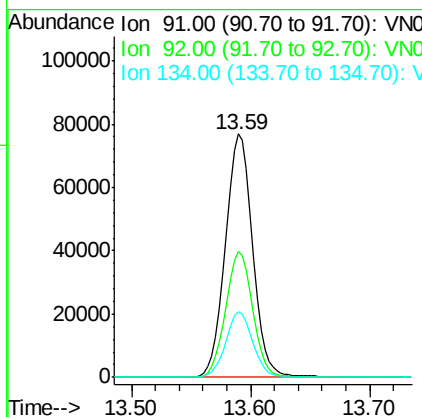
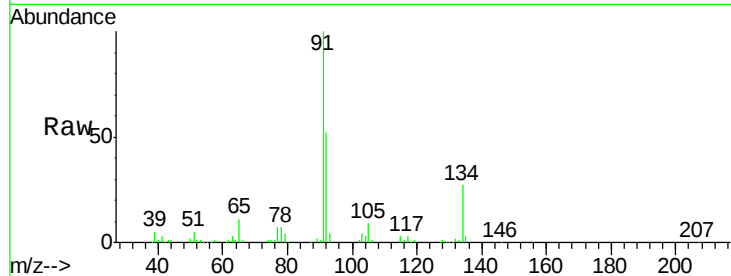




#89
n-Butylbenzene
Concen: 15.691 ug/l
RT: 13.59 min Scan# 3675
Delta R.T. 0.00 min
Lab File: VN062970.D
Acq: 17 Aug 2020 14:14

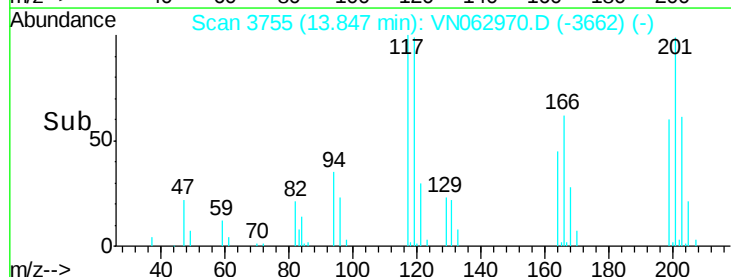
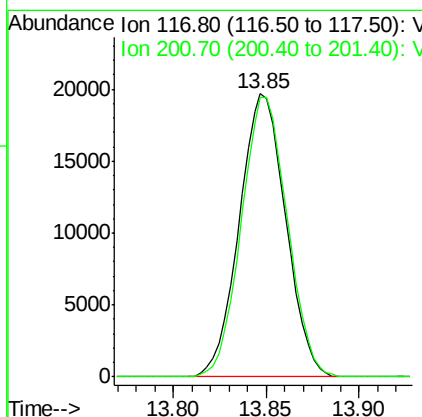
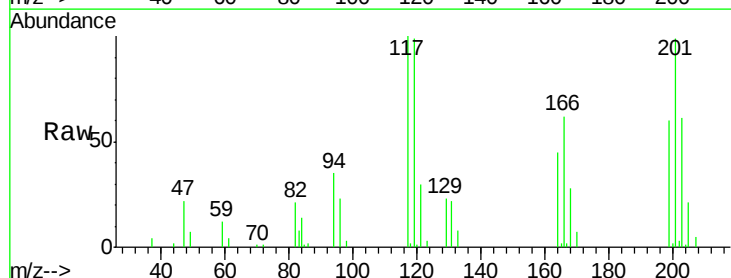
Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

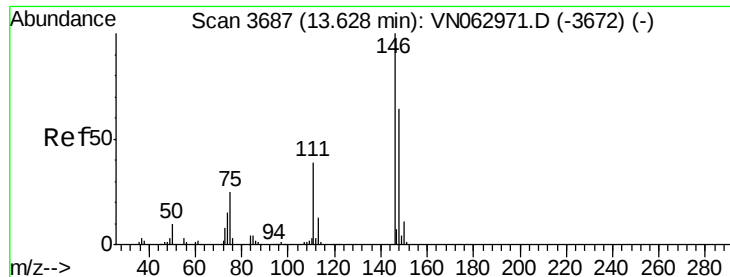
Tgt Ion: 91 Resp: 122204
Ion Ratio Lower Upper
91 100
92 51.2 26.3 78.8
134 26.8 13.4 40.2



#90
Hexachloroethane
Concen: 17.227 ug/l
RT: 13.85 min Scan# 3755
Delta R.T. 0.00 min
Lab File: VN062970.D
Acq: 17 Aug 2020 14:14

Tgt Ion: 117 Resp: 34174
Ion Ratio Lower Upper
117 100
201 97.7 48.4 145.3





#91

1,2-Dichlorobenzene

Concen: 20.010 ug/l

RT: 13.63 min Scan# 3687

Delta R.T. 0.00 min

Lab File: VN062970.D

Acq: 17 Aug 2020 14:14

Instrument :

MSVOA_N

ClientSampled :

VSTDIC020

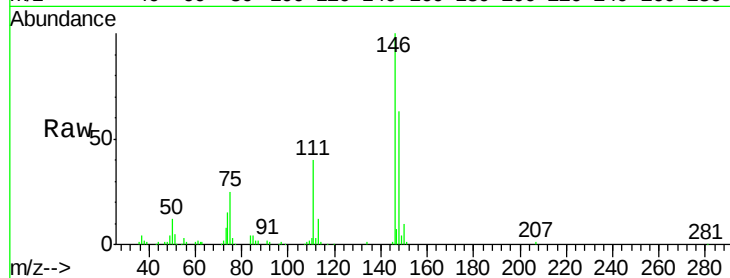
Tgt Ion:146 Resp: 91908

Ion Ratio Lower Upper

146 100

111 40.1 19.4 58.4

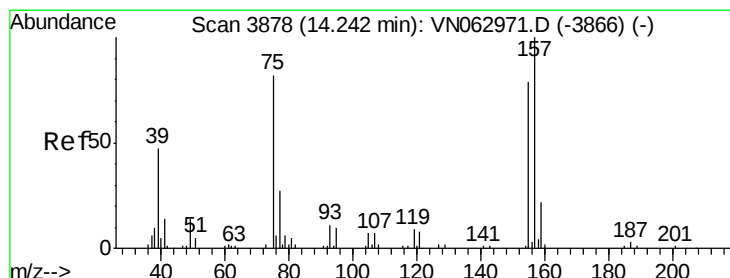
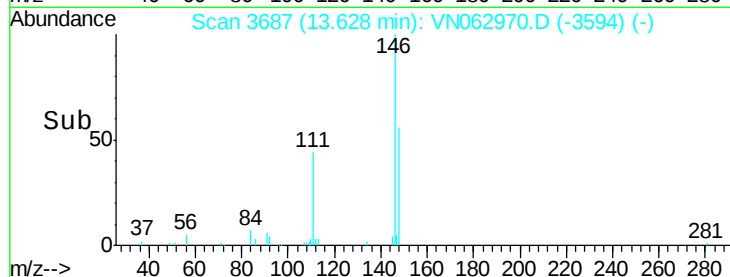
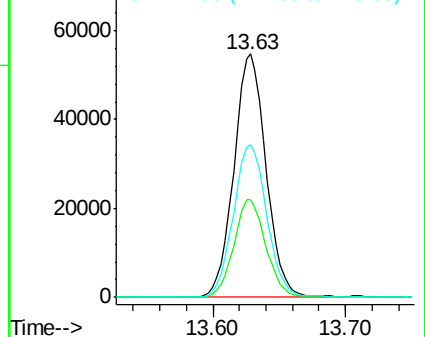
148 65.5 32.5 97.5



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 14.162 ug/l

RT: 14.25 min Scan# 3879

Delta R.T. 0.00 min

Lab File: VN062970.D

Acq: 17 Aug 2020 14:14

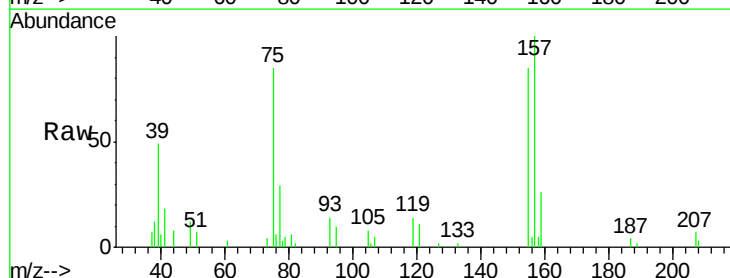
Tgt Ion: 75 Resp: 11109

Ion Ratio Lower Upper

75 100

155 92.5 47.6 142.8

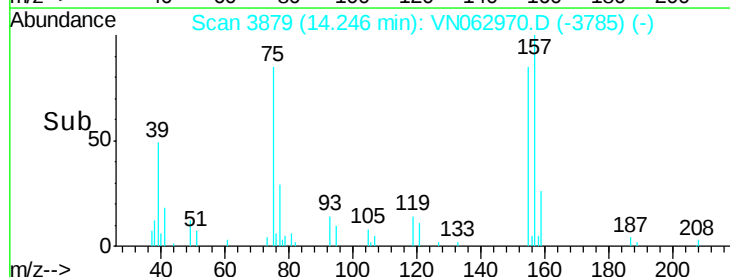
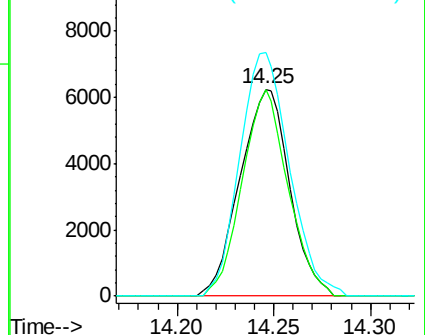
157 118.0 61.4 184.1

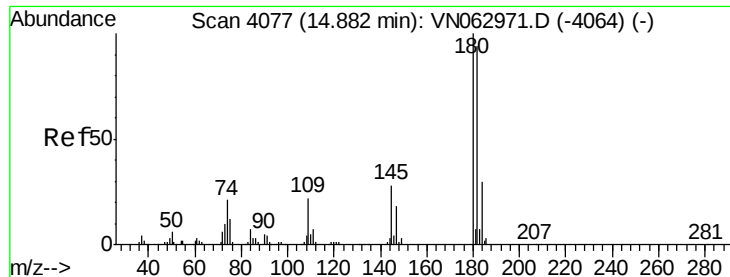


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

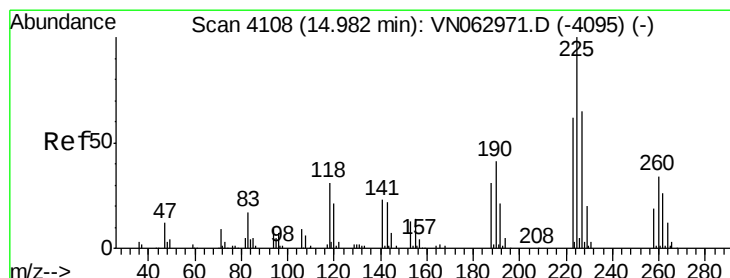
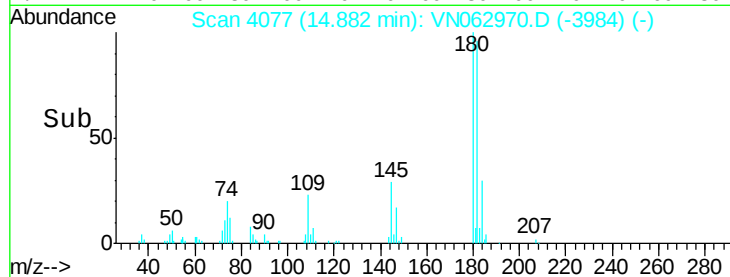
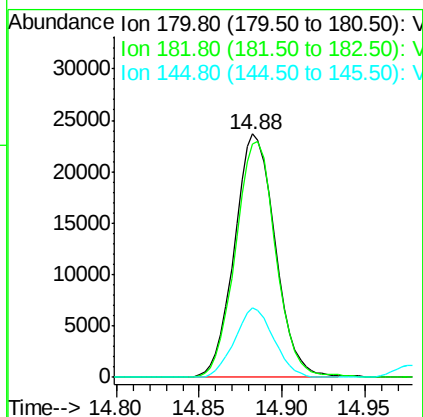
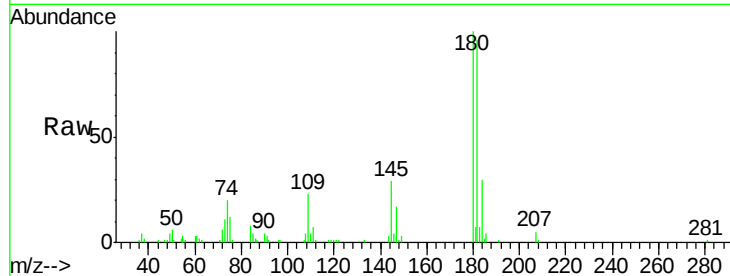




#93
 1,2,4-Trichlorobenzene
 Concen: 18.650 ug/l
 RT: 14.88 min Scan# 4077
 Delta R.T. 0.00 min
 Lab File: VN062970.D
 Acq: 17 Aug 2020 14:14

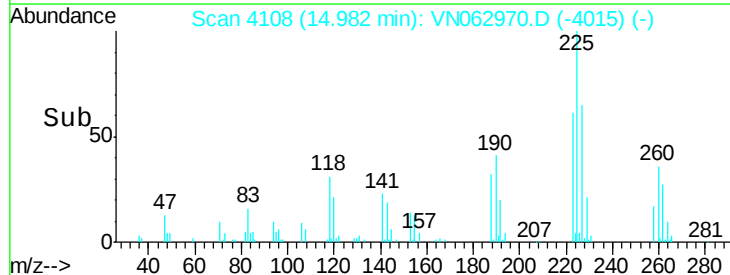
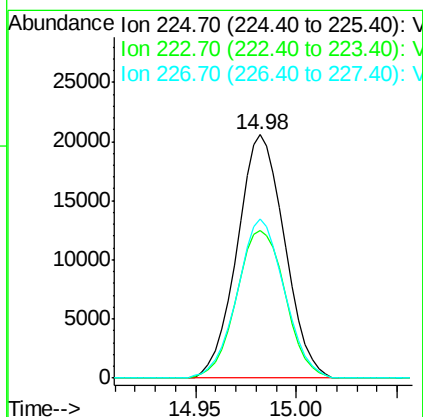
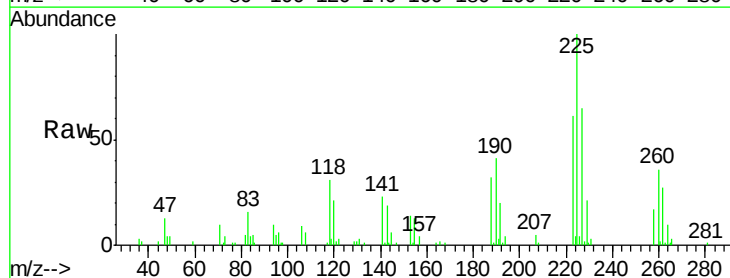
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

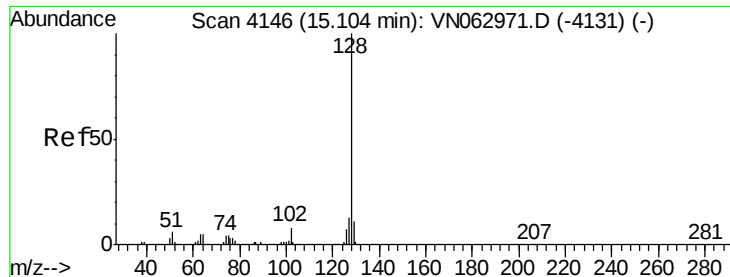
Tgt Ion:180 Resp: 40556
 Ion Ratio Lower Upper
 180 100
 182 95.9 47.8 143.3
 145 27.3 13.9 41.7



#94
 Hexachlorobutadiene
 Concen: 20.762 ug/l
 RT: 14.98 min Scan# 4108
 Delta R.T. 0.00 min
 Lab File: VN062970.D
 Acq: 17 Aug 2020 14:14

Tgt Ion:225 Resp: 33854
 Ion Ratio Lower Upper
 225 100
 223 62.2 30.9 92.5
 227 64.9 32.0 96.0

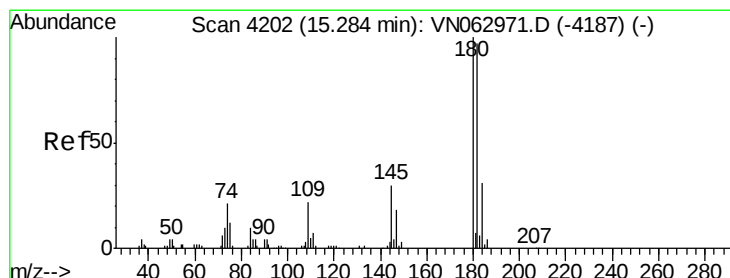
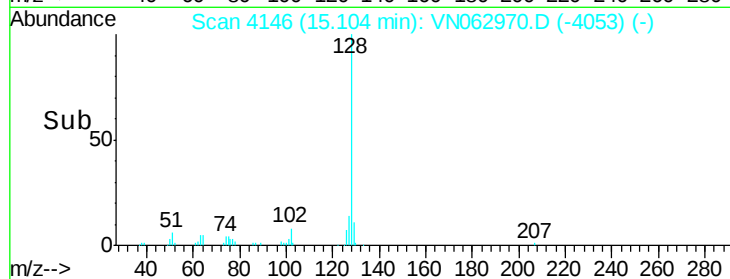
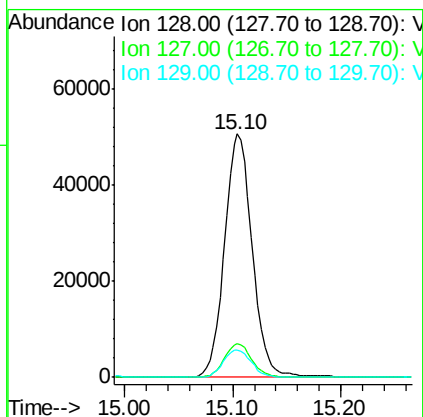
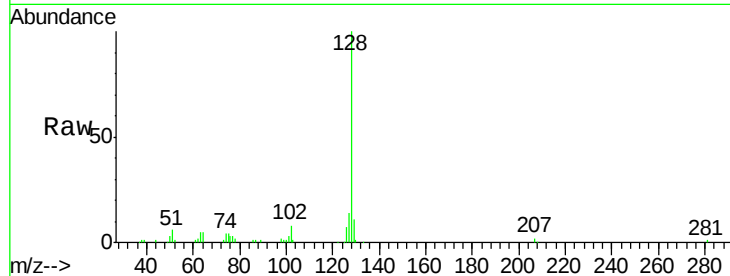




#95
Naphthalene
Concen: 16.241 ug/l
RT: 15.10 min Scan# 4146
Delta R.T. 0.00 min
Lab File: VN062970.D
Acq: 17 Aug 2020 14:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tgt Ion:128 Resp: 90645
Ion Ratio Lower Upper
128 100
127 13.6 10.6 15.8
129 11.3 8.6 12.8



#96
1,2,3-Trichlorobenzene
Concen: 19.982 ug/l
RT: 15.28 min Scan# 4202
Delta R.T. 0.00 min
Lab File: VN062970.D
Acq: 17 Aug 2020 14:14

Tgt Ion:180 Resp: 42059
Ion Ratio Lower Upper
180 100
182 94.8 49.3 147.8
145 29.6 15.0 45.0

