

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081820\
 Data File : VN062993.D
 Acq On : 18 Aug 2020 18:41
 Operator : JC/MD
 Sample : VSTDIC001
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Quant Time: Aug 19 05:47:37 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081820W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 19 05:46:25 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	178805	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	283537	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	260045	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	96877	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.00	65	2606	1.23	ug/l	0.00
Spiked Amount			Recovery	=	2.46%	
35) Dibromofluoromethane	7.55	113	2172	1.18	ug/l	0.00
Spiked Amount			Recovery	=	2.36%	
50) Toluene-d8	10.06	98	7231	1.02	ug/l	0.00
Spiked Amount			Recovery	=	2.04%	
62) 4-Bromofluorobenzene	12.38	95	2213	0.88	ug/l	0.00
Spiked Amount			Recovery	=	1.76%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	1781	0.841	ug/l	93
3) Chloromethane	2.04	50	2444	0.997	ug/l	97
4) Vinyl Chloride	2.16	62	2159	0.911	ug/l	92
5) Bromomethane	2.52	94	1687	1.199	ug/l	93
6) Chloroethane	2.67	64	1353	0.967	ug/l #	83
7) Trichlorofluoromethane	2.98	101	3230	1.092	ug/l	97
8) Diethyl Ether	3.38	74	1213	1.160	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	3.72	101	1863	1.169	ug/l	94
10) Methyl Iodide	3.91	142	1782	0.882	ug/l #	76
11) Tert butyl alcohol	4.71	59	288	0.959	ug/l #	74
12) 1,1-Dichloroethene	3.69	96	1891	1.246	ug/l	92
13) Acrolein	3.57	56	847	9.007	ug/l	90
14) Allyl chloride	4.27	41	3066	1.146	ug/l	93
15) Acrylonitrile	4.95	53	4285	4.857	ug/l #	85
16) Acetone	3.78	43	4917	6.814	ug/l	95
17) Carbon Disulfide	4.00	76	4523	1.138	ug/l #	95
18) Methyl Acetate	4.29	43	2677	1.271	ug/l #	66
19) Methyl tert-butyl Ether	4.99	73	5404	1.021	ug/l	96
20) Methylene Chloride	4.50	84	4476	1.881	ug/l	90
21) trans-1,2-Dichloroethene	4.99	96	1694	1.067	ug/l	86
22) Diisopropyl ether	5.90	45	5926	0.976	ug/l #	82
23) Vinyl Acetate	5.85	43	21481	5.242	ug/l	96
24) 1,1-Dichloroethane	5.80	63	3938	1.160	ug/l #	85
25) 2-Butanone	6.80	43	6003	5.336	ug/l	99
26) 2,2-Dichloropropane	6.78	77	3142	1.177	ug/l	85
27) cis-1,2-Dichloroethene	6.78	96	1460	0.733	ug/l	45
28) Bromochloromethane	7.15	49	1951	1.099	ug/l #	98
29) Tetrahydrofuran	7.18	42	3410	4.696	ug/l #	76
30) Chloroform	7.33	83	3690	1.080	ug/l	94
31) Cyclohexane	7.63	56	5407	1.731	ug/l #	1
32) 1,1,1-Trichloroethane	7.53	97	3027	1.085	ug/l #	50
36) 1,1-Dichloropropene	7.75	75	2723	1.090	ug/l #	72
38) Carbon Tetrachloride	7.73	117	2663	1.056	ug/l	94
39) Methylcyclohexane	9.05	83	2448	0.829	ug/l #	87

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081820\
 Data File : VN062993.D
 Acq On : 18 Aug 2020 18:41
 Operator : JC/MD
 Sample : VSTDIC001
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Quant Time: Aug 19 05:47:37 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081820W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 19 05:46:25 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
40) Benzene	8.00	78	8223	1.038	ug/l	99
41) Methacrylonitrile	7.13	41	805	0.722	ug/l #	60
42) 1,2-Dichloroethane	8.09	62	2726	1.024	ug/l	85
43) Isopropyl Acetate	8.13	43	3710	0.956	ug/l #	88
44) Trichloroethene	8.81	130	2194	1.113	ug/l	94
45) 1,2-Dichloropropane	9.09	63	2515	1.098	ug/l #	83
46) Dibromomethane	9.18	93	1221	0.923	ug/l	91
47) Bromodichloromethane	9.37	83	2997	1.034	ug/l #	88
48) Methyl methacrylate	9.17	41	1578	0.860	ug/l	89
49) 1,4-Dioxane	9.17	88	514	14.368	ug/l #	81
51) 4-Methyl-2-Pentanone	9.96	43	11370	4.638	ug/l	95
52) Toluene	10.13	92	4474	0.936	ug/l	95
53) t-1,3-Dichloropropene	10.36	75	2851	0.951	ug/l	90
54) cis-1,3-Dichloropropene	9.81	75	3161	0.961	ug/l	97
55) 1,1,2-Trichloroethane	10.54	97	2151	1.052	ug/l	96
56) Ethyl methacrylate	10.40	69	2206	0.799	ug/l	96
57) 1,3-Dichloropropane	10.68	76	3530	1.040	ug/l	91
58) 2-Chloroethyl Vinyl ether	9.66	63	2672	4.039	ug/l	97
59) 2-Hexanone	10.73	43	7534	4.405	ug/l	86
60) Dibromochloromethane	10.88	129	2284	1.010	ug/l	99
61) 1,2-Dibromoethane	10.98	107	1808	0.921	ug/l #	77
64) Tetrachloroethene	10.60	164	1909	1.117	ug/l	95
65) Chlorobenzene	11.41	112	5792	1.109	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.48	131	2342	1.153	ug/l #	61
67) Ethyl Benzene	11.49	91	8138	0.922	ug/l	95
68) m/p-Xylenes	11.60	106	5653	1.724	ug/l	99
69) o-Xylene	11.92	106	2699	0.857	ug/l	96
70) Stvrene	11.94	104	4085	0.756	ug/l	97
71) Bromoform	12.10	173	1588	0.982	ug/l #	87
73) Isopropylbenzene	12.23	105	7050	1.063	ug/l	98
74) N-amyl acetate	12.05	43	2044	0.860	ug/l #	78
75) 1,1,2,2-Tetrachloroethane	12.48	83	3176	1.342	ug/l #	94
76) 1,2,3-Trichloropropane	12.53	75	3325	1.743	ug/l #	100
77) Bromobenzene	12.50	156	2111	1.157	ug/l	88
78) n-propylbenzene	12.57	91	6802	0.900	ug/l	99
79) 2-Chlorotoluene	12.65	91	5276	1.109	ug/l	91
80) 1,3,5-Trimethylbenzene	12.71	105	4974	0.907	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.28	75	626	0.913	ug/l #	85
82) 4-Chlorotoluene	12.75	91	4908	1.013	ug/l	97
83) tert-Butylbenzene	12.97	119	4603	0.972	ug/l	94
84) 1,2,4-Trimethylbenzene	13.02	105	4493	0.841	ug/l	98
85) sec-Butylbenzene	13.15	105	5777	0.903	ug/l	94
86) p-Isopropyltoluene	13.26	119	4850	0.870	ug/l	96
87) 1,3-Dichlorobenzene	13.26	146	3354	1.070	ug/l	98
88) 1,4-Dichlorobenzene	13.26	146	3354	1.054	ug/l	97
89) n-Butylbenzene	13.59	91	4384	0.932	ug/l	91
90) Hexachloroethane	13.85	117	1407	1.188	ug/l	96
91) 1,2-Dichlorobenzene	13.63	146	3195	1.055	ug/l	94
92) 1,2-Dibromo-3-Chloropropan	14.25	75	252	0.754	ug/l	93
93) 1,2,4-Trichlorobenzene	14.88	180	846	0.639	ug/l #	86

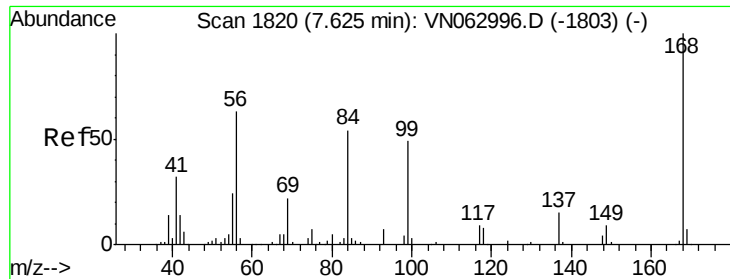
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081820\
Data File : VN062993.D
Acq On : 18 Aug 2020 18:41
Operator : JC/MD
Sample : VSTDICC001
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Quant Time: Aug 19 05:47:37 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081820W.M
Quant Title : SW846 8260
QLast Update : Wed Aug 19 05:46:25 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	14.98	225	1397	1.248	ug/l	94
95) Naphthalene	15.11	128	1915	0.649	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.30	180	912	0.686	ug/l	72

(#) = 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: VN062993.D

Acq: 18 Aug 2020 18:41

Instrument :

MSVOA_N

ClientSampleId :

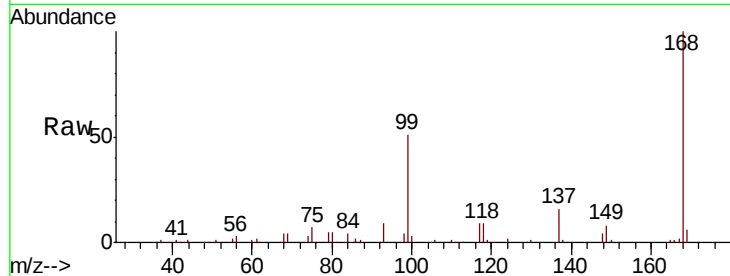
VSTDIC001

Tot Ion:168 Resp: 178805

Ion Ratio Lower Upper

168 100

99 50.5 42.0 63.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.63

80000

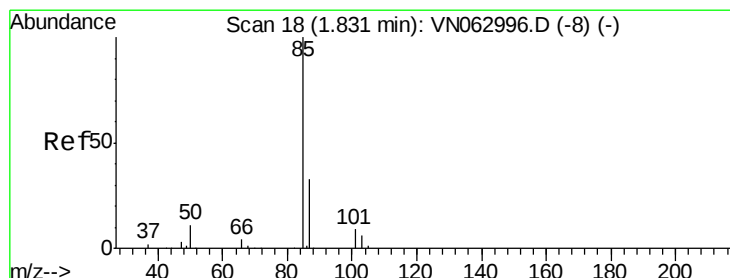
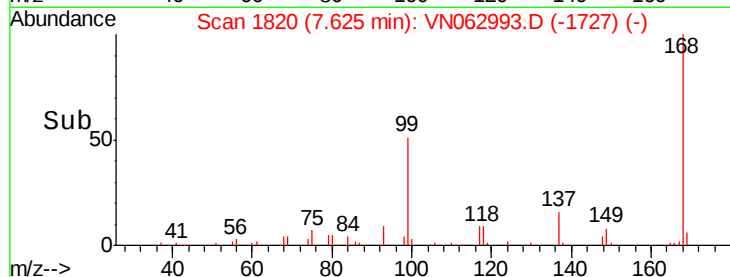
60000

40000

20000

0

Time--> 7.50 7.60 7.70



#2

Dichlorodifluoromethane

Concen: 0.841 ug/l

RT: 1.83 min Scan# 18

Delta R.T. 0.00 min

Lab File: VN062993.D

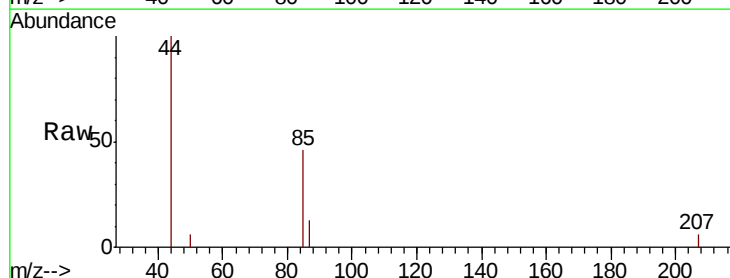
Acq: 18 Aug 2020 18:41

Tgt Ion: 85 Resp: 1781

Ion Ratio Lower Upper

85 100

87 28.9 16.4 49.4



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

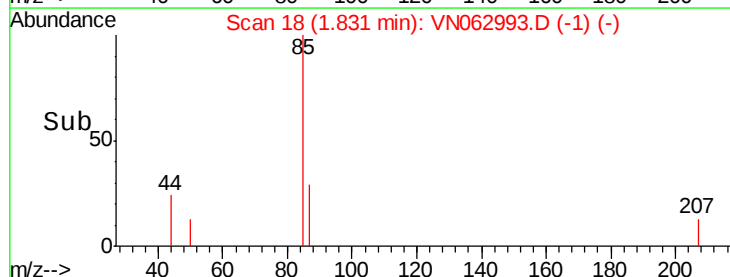
1.83

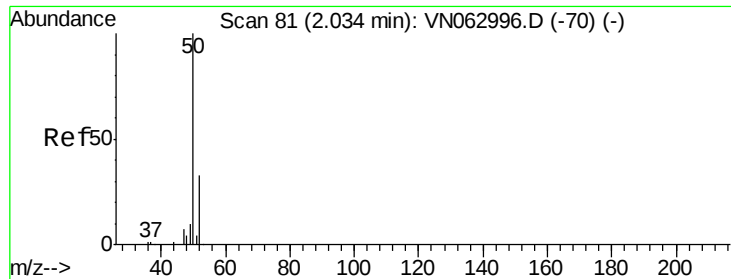
1000

500

0

Time--> 1.80 1.82 1.84 1.86





#3

Chloromethane

Concen: 0.997 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN062993.D

Acq: 18 Aug 2020 18:41

Instrument :

MSVOA_N

ClientSampleId :

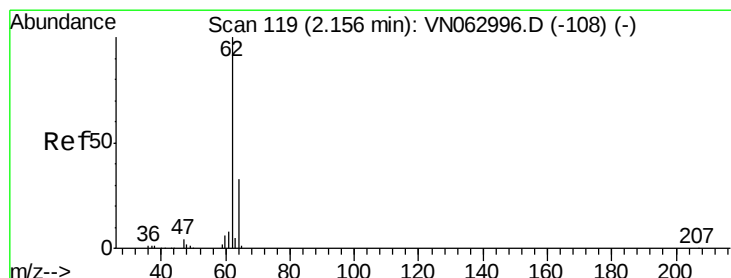
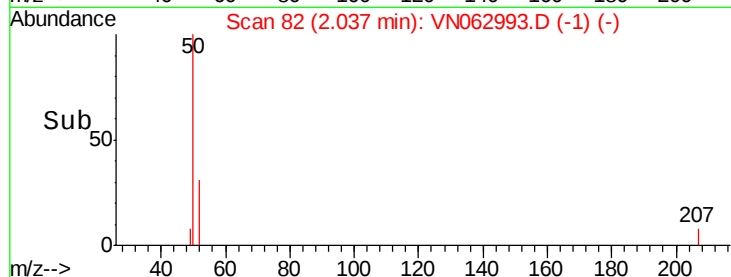
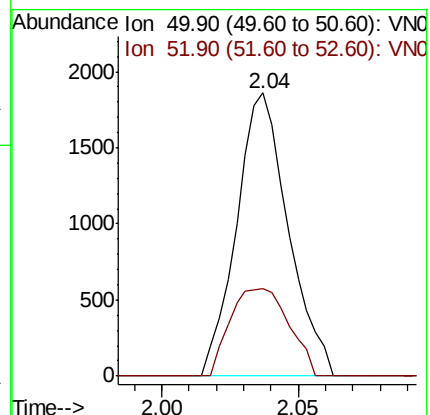
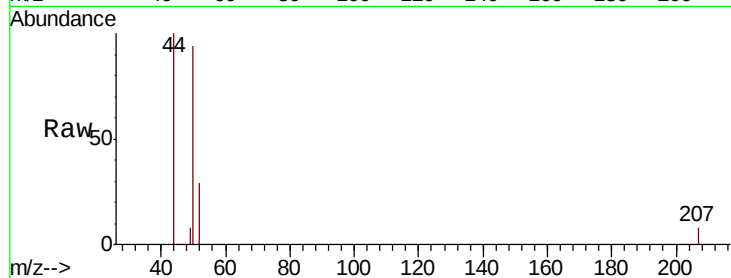
VSTDIC001

Tot Ion: 50 Resp: 2444

Ion Ratio Lower Upper

50 100

52 30.8 26.0 39.0



#4

Vinyl Chloride

Concen: 0.911 ug/l

RT: 2.16 min Scan# 119

Delta R.T. 0.00 min

Lab File: VN062993.D

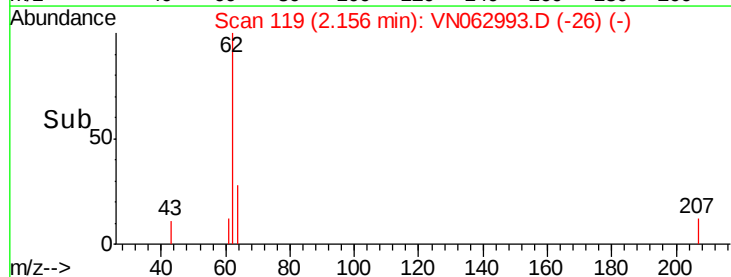
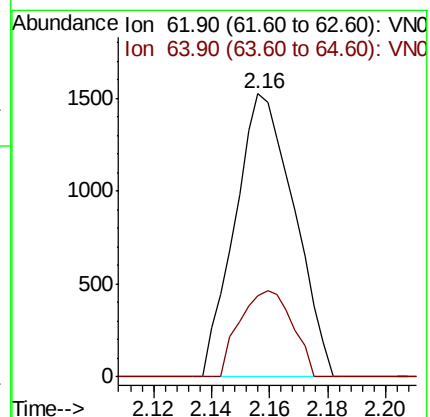
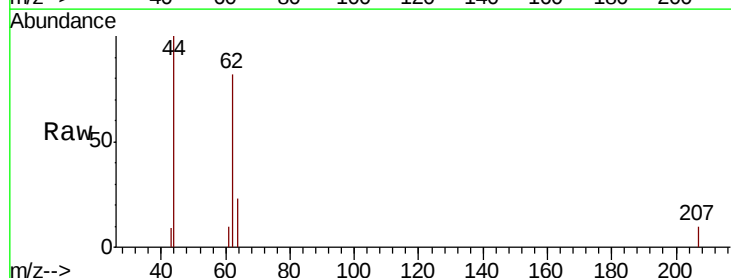
Acq: 18 Aug 2020 18:41

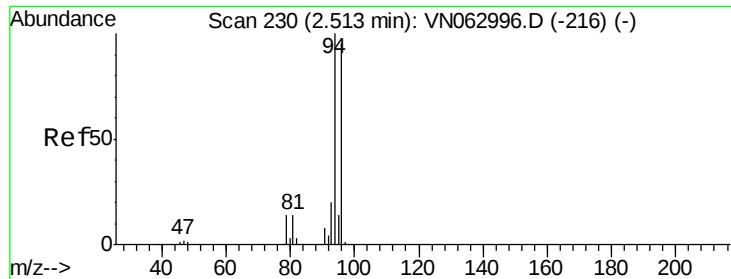
Tgt Ion: 62 Resp: 2159

Ion Ratio Lower Upper

62 100

64 28.5 26.2 39.2





#5

Bromomethane

Concen: 1.199 ug/l

RT: 2.52 min Scan# 233

Delta R.T. 0.01 min

Lab File: VN062993.D

Acq: 18 Aug 2020 18:41

Instrument :

MSVOA_N

ClientSampleId :

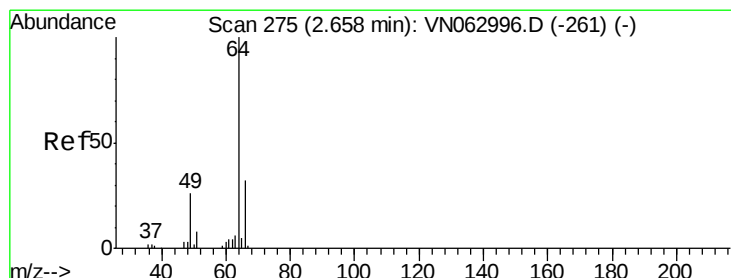
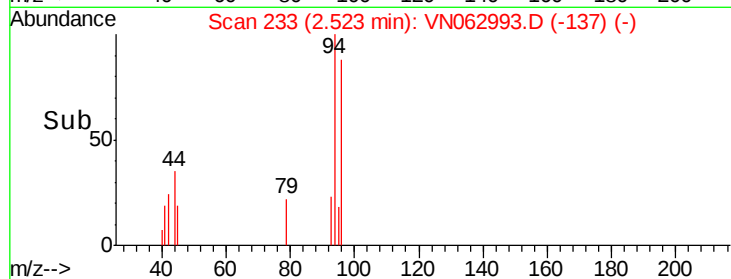
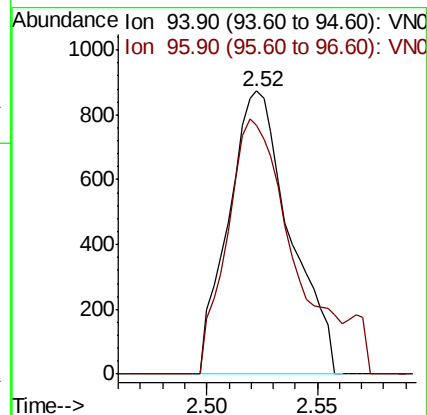
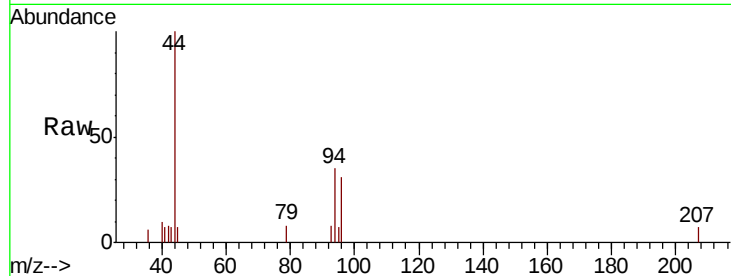
VSTDIC001

Tot Ion: 94 Resp: 1687

Ion Ratio Lower Upper

94 100

96 88.0 75.8 113.8



#6

Chloroethane

Concen: 0.967 ug/l

RT: 2.67 min Scan# 278

Delta R.T. 0.01 min

Lab File: VN062993.D

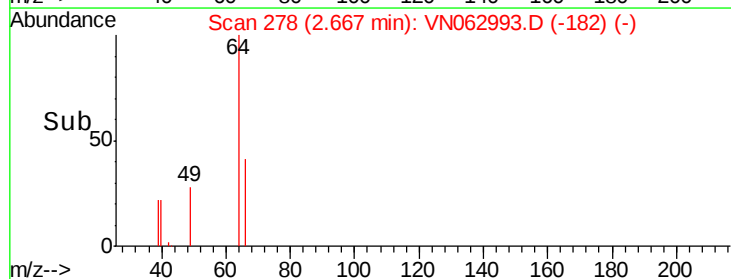
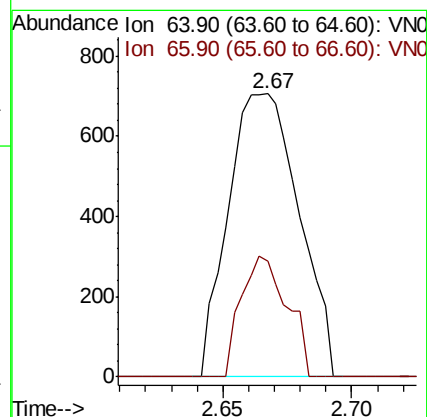
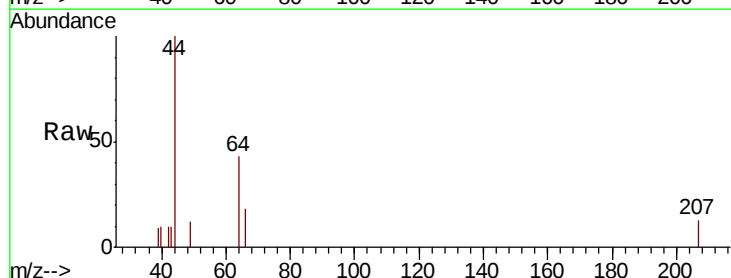
Acq: 18 Aug 2020 18:41

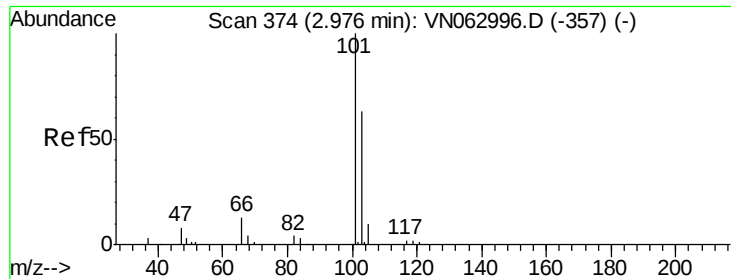
Tgt Ion: 64 Resp: 1353

Ion Ratio Lower Upper

64 100

66 41.1 25.4 38.0#



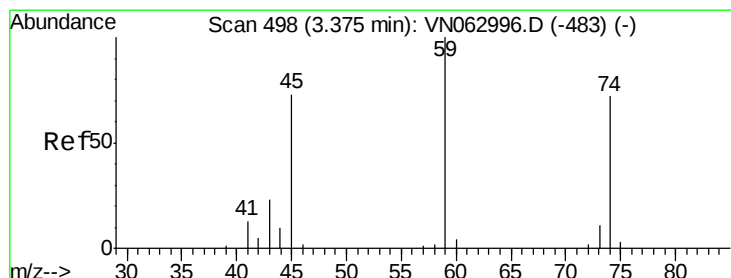
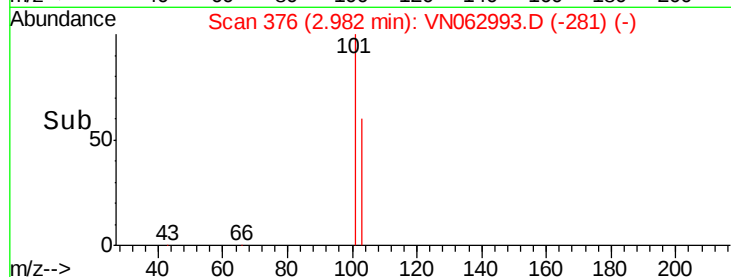
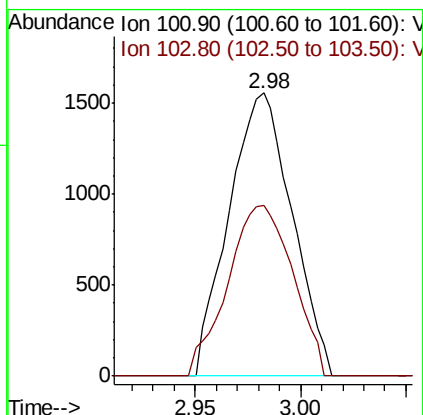
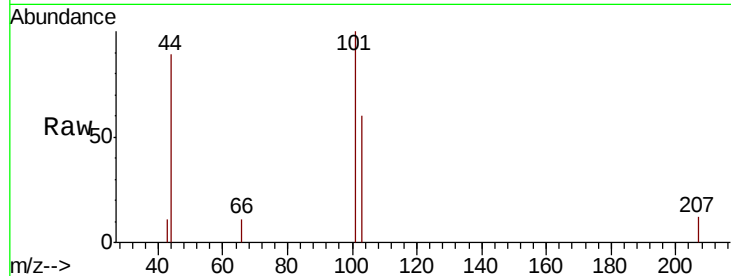


#7

Trichlorofluoromethane
 Concen: 1.092 ug/l
 RT: 2.98 min Scan# 376
 Delta R.T. 0.01 min
 Lab File: VN062993.D
 Acq: 18 Aug 2020 18:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

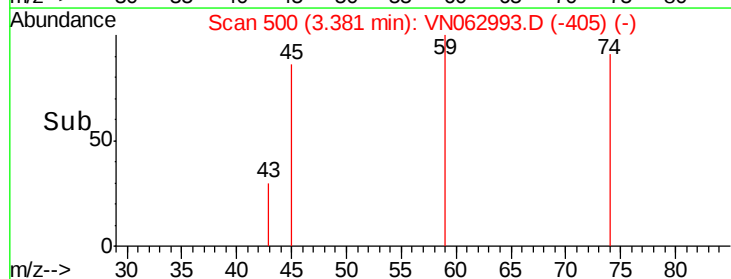
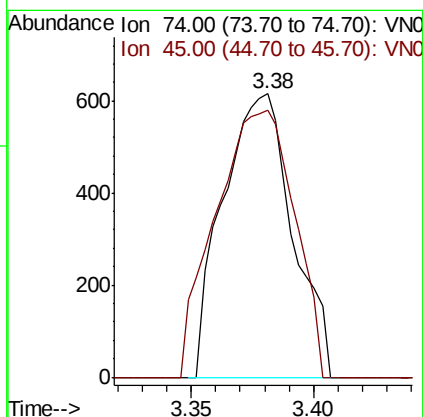
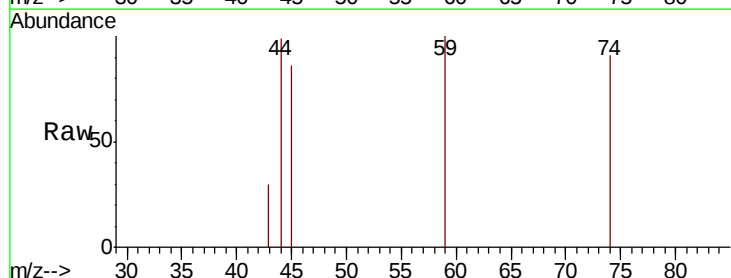
Tot Ion:101 Resp: 3230
 Ion Ratio Lower Upper
 101 100
 103 60.5 50.5 75.7

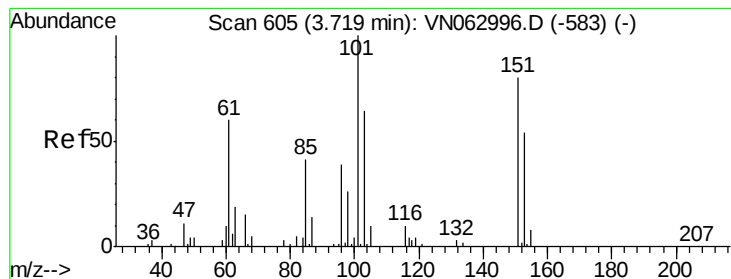


#8

Diethyl Ether
 Concen: 1.160 ug/l
 RT: 3.38 min Scan# 500
 Delta R.T. 0.01 min
 Lab File: VN062993.D
 Acq: 18 Aug 2020 18:41

Tgt Ion: 74 Resp: 1213
 Ion Ratio Lower Upper
 74 100
 45 106.8 49.9 149.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 1.169 ug/l

RT: 3.72 min Scan# 604

Delta R.T. -0.00 min

Lab File: VN062993.D

Acq: 18 Aug 2020 18:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

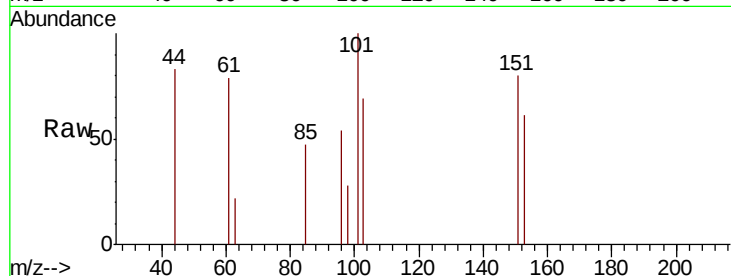
Tot Ion:101 Resp: 1863

Ion Ratio Lower Upper

101 100

85 37.8 34.0 51.0

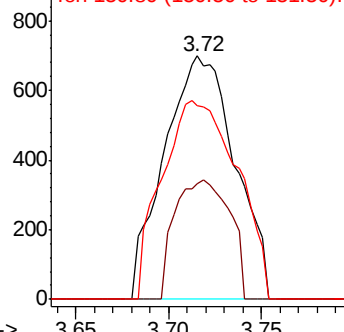
151 86.6 65.8 98.8



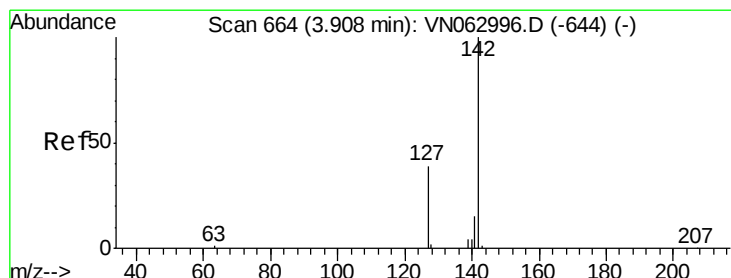
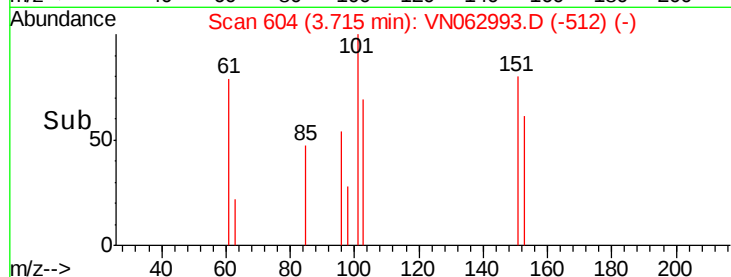
Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



Time-->



#10

Methyl Iodide

Concen: 0.882 ug/l

RT: 3.91 min Scan# 663

Delta R.T. -0.00 min

Lab File: VN062993.D

Acq: 18 Aug 2020 18:41

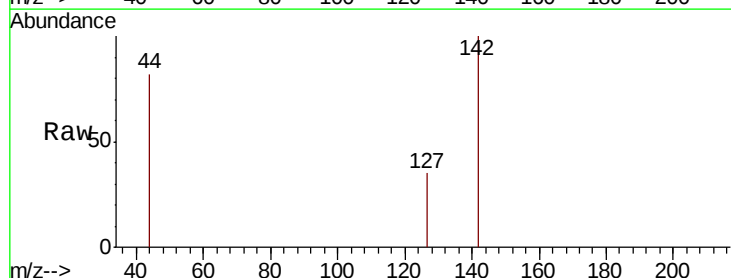
Tgt Ion:142 Resp: 1782

Ion Ratio Lower Upper

142 100

127 28.0 32.2 48.4#

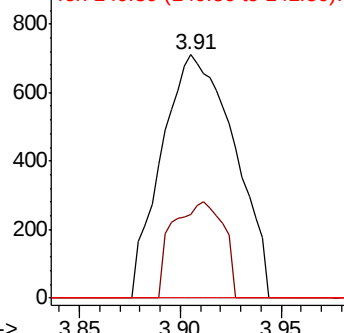
141 0.0 11.3 16.9#



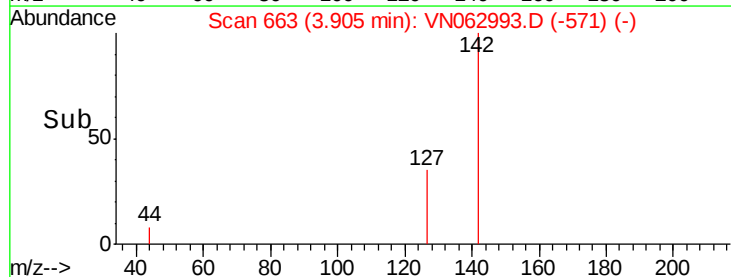
Abundance Ion 141.80 (141.50 to 142.50): V

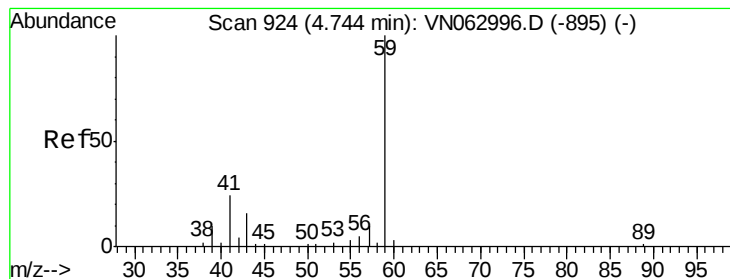
Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



Time-->



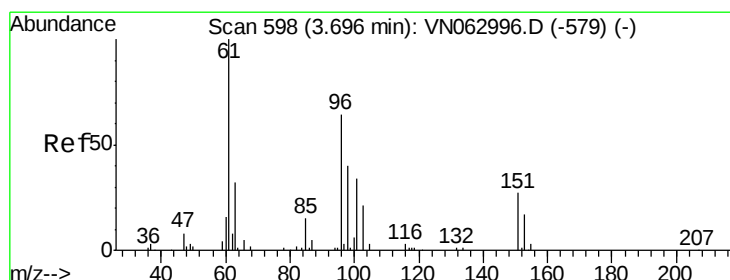
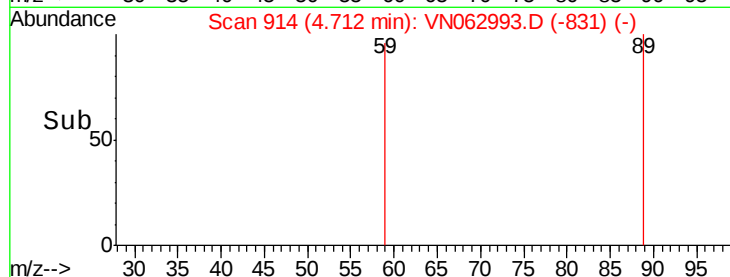
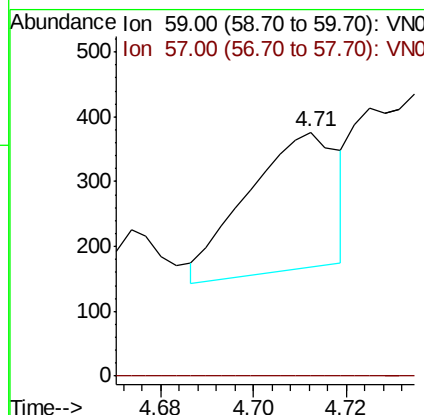
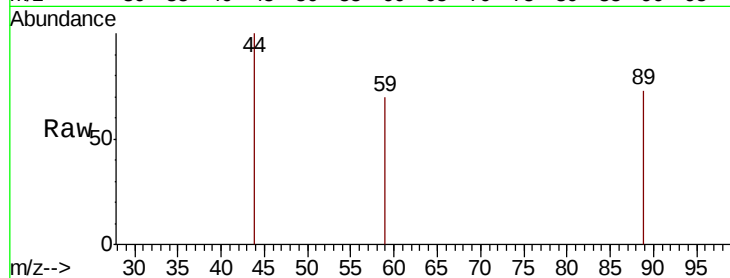


#11

Tert butvl alcohol
 Concen: 0.959 ug/l
 RT: 4.71 min Scan# 914
 Delta R.T. -0.03 min
 Lab File: VN062993.D
 Acq: 18 Aug 2020 18:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

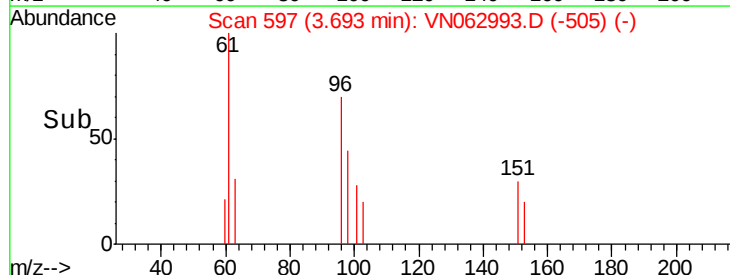
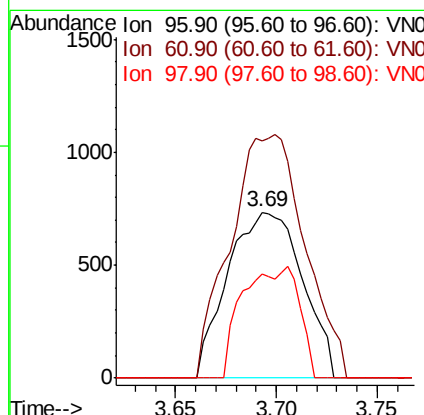
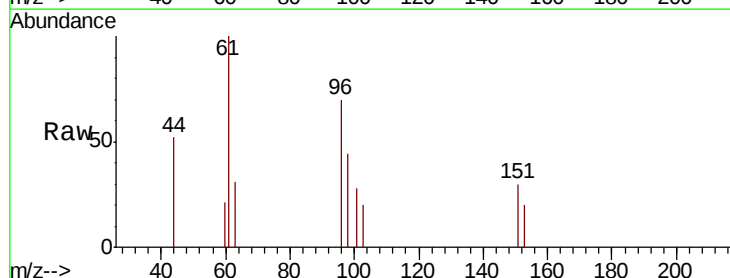
Tot Ion: 59 Resp: 288
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.8 11.6#

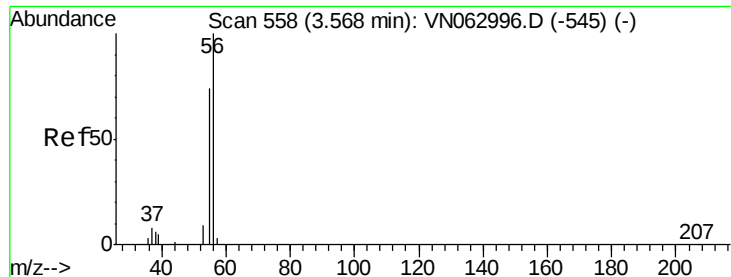


#12

1,1-Dichloroethene
 Concen: 1.246 ug/l
 RT: 3.69 min Scan# 597
 Delta R.T. -0.00 min
 Lab File: VN062993.D
 Acq: 18 Aug 2020 18:41

Tgt Ion: 96 Resp: 1891
 Ion Ratio Lower Upper
 96 100
 61 143.0 125.5 188.3
 98 63.2 50.4 75.6





#13

Acrolein

Concen: 9.007 ug/l

RT: 3.57 min Scan# 559

Delta R.T. 0.00 min

Lab File: VN062993.D

Acq: 18 Aug 2020 18:41

Instrument :

MSVOA_N

ClientSampleId :

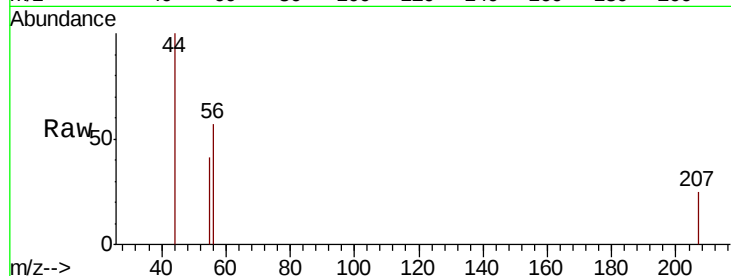
VSTDIC001

Tot Ion: 56 Resp: 847

Ion Ratio Lower Upper

56 100

55 64.5 58.4 87.6



Abundance Ion 56.00 (55.70 to 56.70): VN062993.D (-545) (-)

Ion 55.00 (54.70 to 55.70): VN062993.D (-545) (-)

3.57

400

300

200

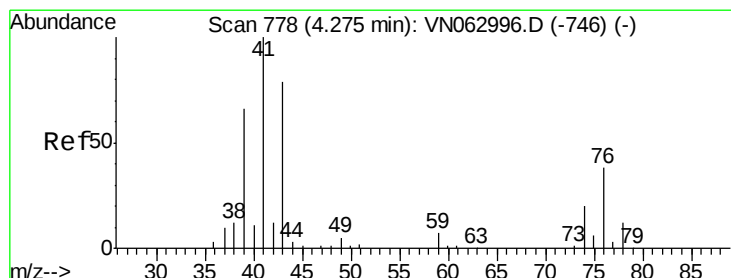
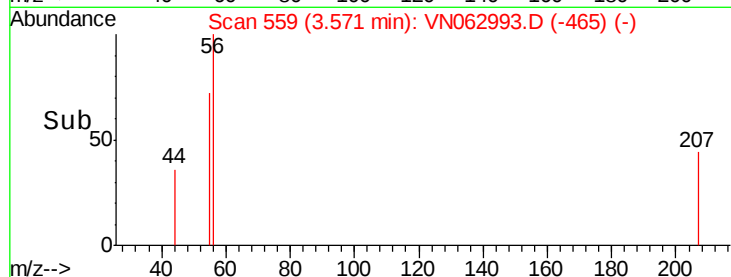
100

0

3.55

3.60

Time-->



#14

Allyl chloride

Concen: 1.146 ug/l

RT: 4.27 min Scan# 778

Delta R.T. 0.00 min

Lab File: VN062993.D

Acq: 18 Aug 2020 18:41

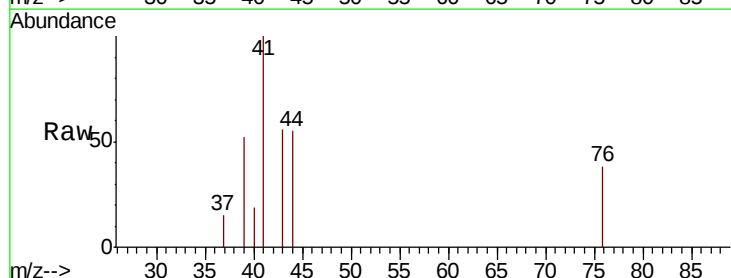
Tgt Ion: 41 Resp: 3066

Ion Ratio Lower Upper

41 100

39 55.9 47.9 71.9

76 27.3 27.0 40.6



Abundance Ion 41.00 (40.70 to 41.70): VN062993.D (-746) (-)

Ion 39.00 (38.70 to 39.70): VN062993.D (-746) (-)

Ion 75.90 (75.60 to 76.60): VN062993.D (-746) (-)

4.27

1000

500

0

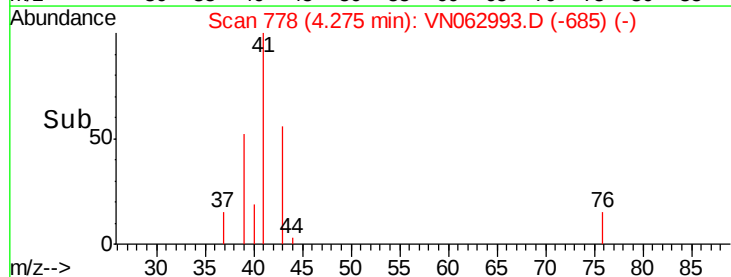
4.20

4.25

4.30

4.35

Time-->





#15

Acrylonitrile

Concen: 4.857 ug/l

RT: 4.95 min Scan# 987

Delta R.T. 0.02 min

Lab File: VN062993.D

Acq: 18 Aug 2020 18:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

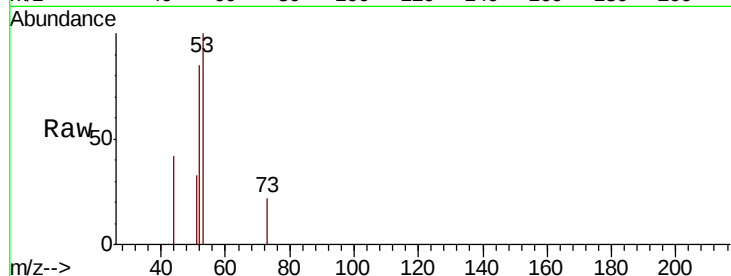
Tot Ion: 53 Resp: 4285

Ion Ratio Lower Upper

53 100

52 72.9 65.6 98.4

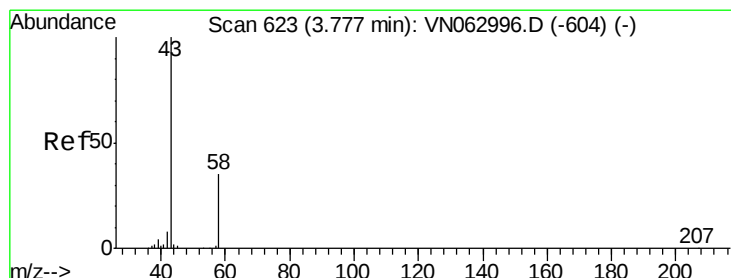
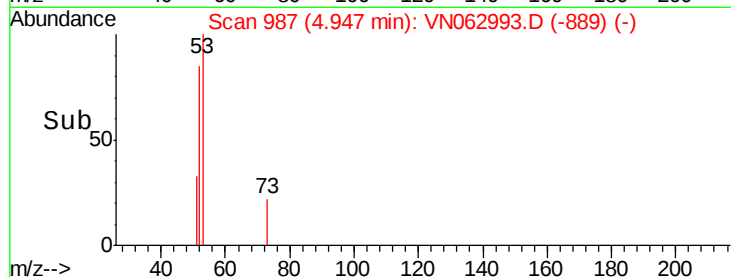
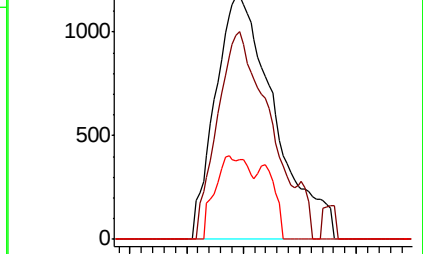
51 20.3 28.2 42.4#



Abundance Ion 53.00 (52.70 to 53.70): VN062993.D (-962) (-)

Ion 52.00 (51.70 to 52.70): VN062993.D (-962) (-)

Ion 51.00 (50.70 to 51.70): VN062993.D (-962) (-)



#16

Acetone

Concen: 6.814 ug/l

RT: 3.78 min Scan# 625

Delta R.T. 0.01 min

Lab File: VN062993.D

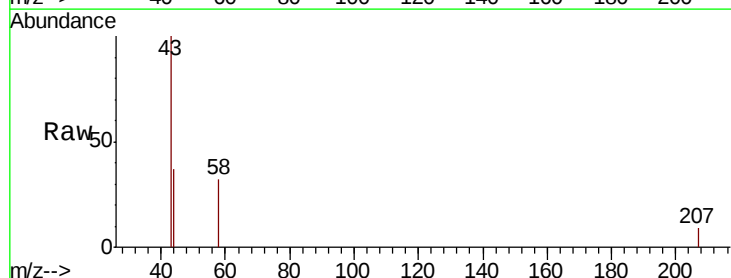
Acq: 18 Aug 2020 18:41

Tgt Ion: 43 Resp: 4917

Ion Ratio Lower Upper

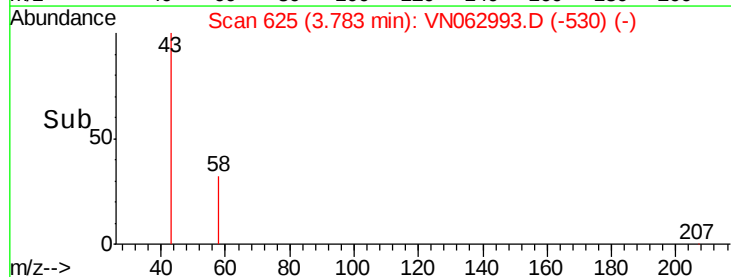
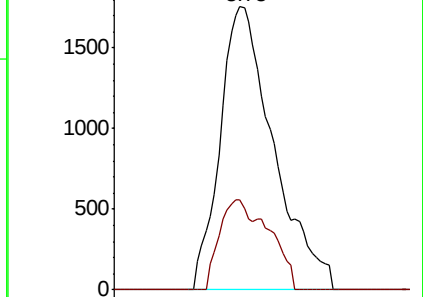
43 100

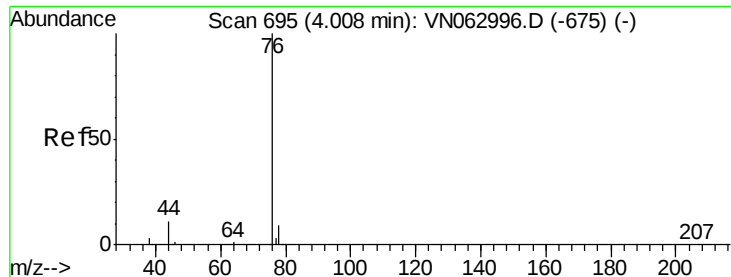
58 31.6 27.8 41.6



Abundance Ion 43.00 (42.70 to 43.70): VN062993.D (-530) (-)

Ion 58.00 (57.70 to 58.70): VN062993.D (-530) (-)

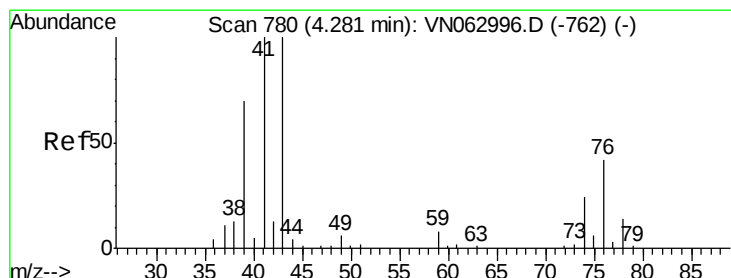
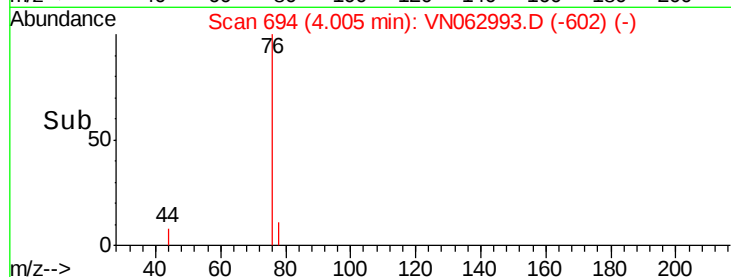
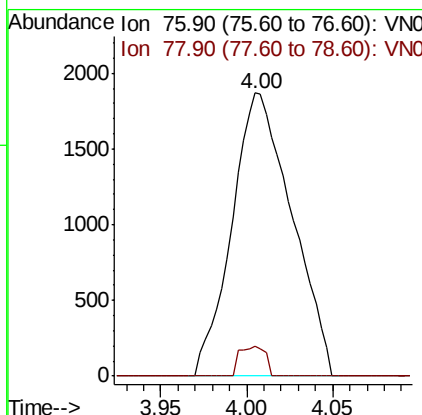
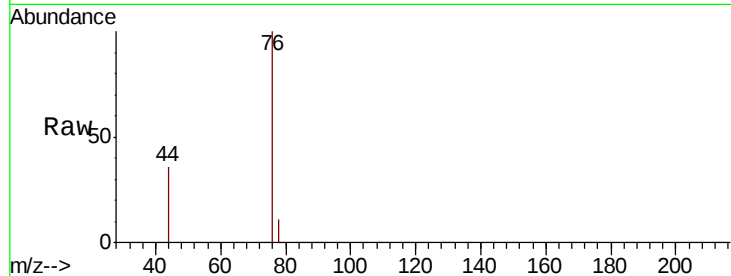




#17
Carbon Disulfide
Concen: 1.138 ug/l
RT: 4.00 min Scan# 694
Delta R.T. -0.00 min
Lab File: VN062993.D
Acq: 18 Aug 2020 18:41

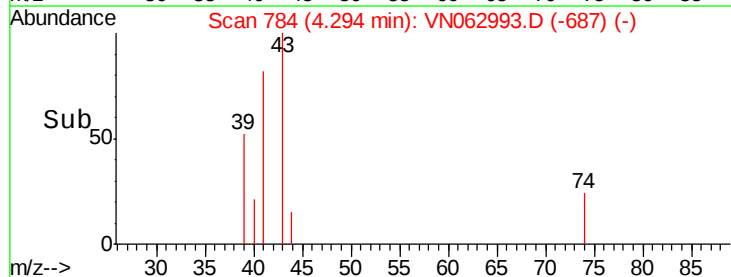
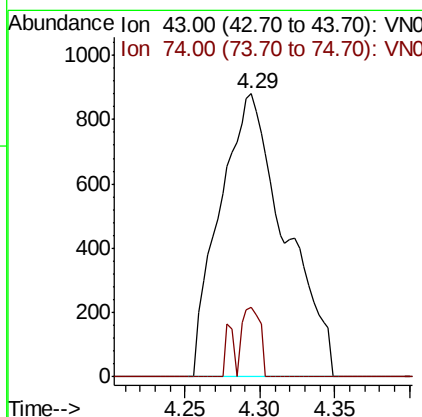
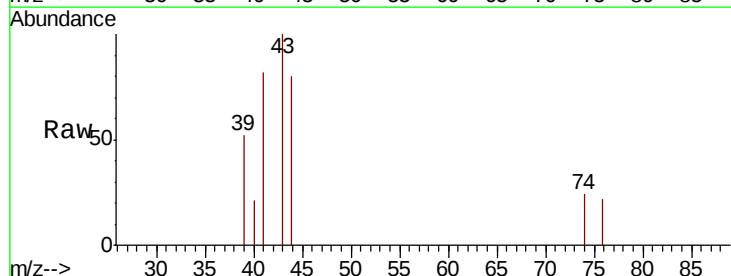
Instrument :
MSVOA_N
ClientSampled :
VSTDIC001

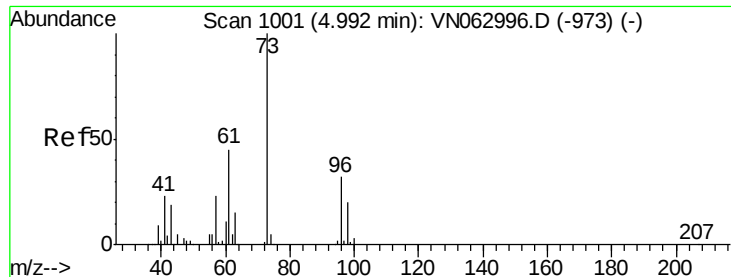
Tot Ion: 76 Resp: 4523
Ion Ratio Lower Upper
76 100
78 10.5 6.9 10.3#



#18
Methyl Acetate
Concen: 1.271 ug/l
RT: 4.29 min Scan# 784
Delta R.T. 0.01 min
Lab File: VN062993.D
Acq: 18 Aug 2020 18:41

Tgt Ion: 43 Resp: 2677
Ion Ratio Lower Upper
43 100
74 6.8 18.6 28.0#

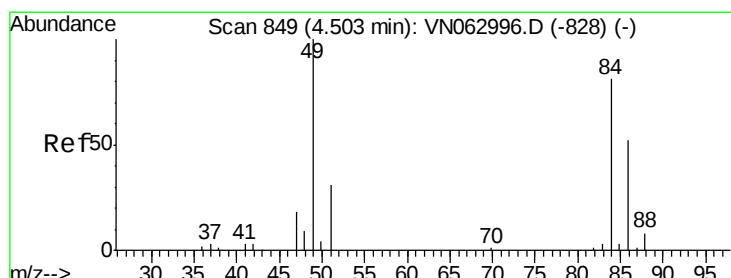
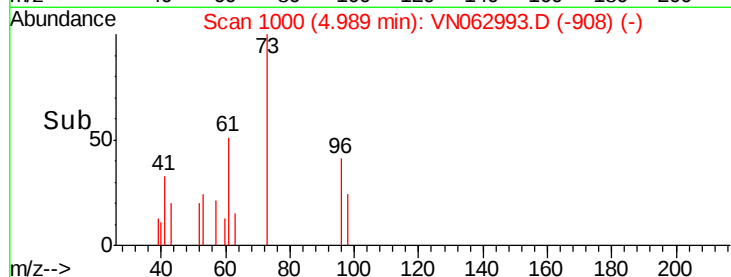
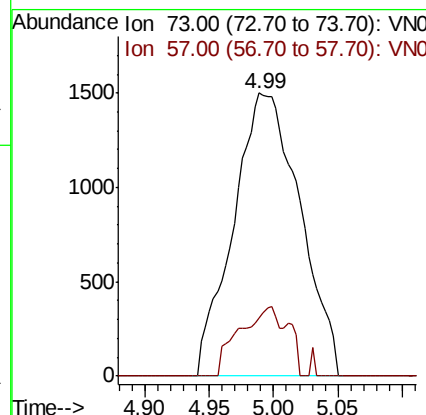
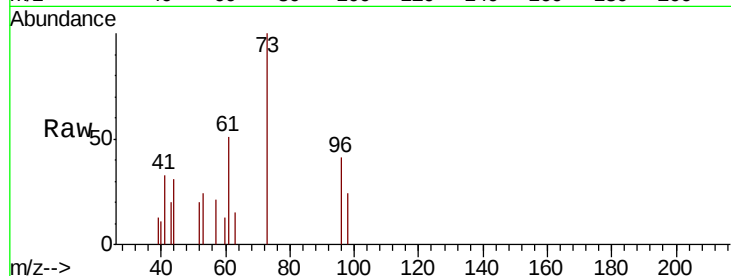




#19
Methvl tert-butvl Ether
Concen: 1.021 ug/l
RT: 4.99 min Scan# 1000
Delta R.T. -0.00 min
Lab File: VN062993.D
Acq: 18 Aug 2020 18:41

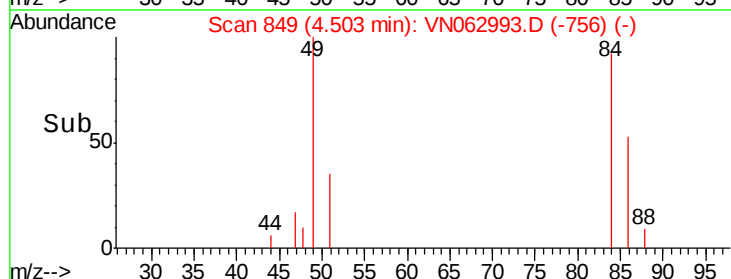
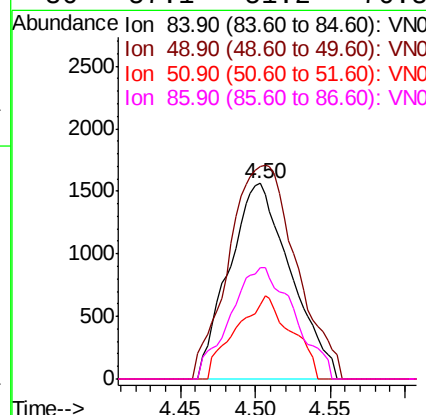
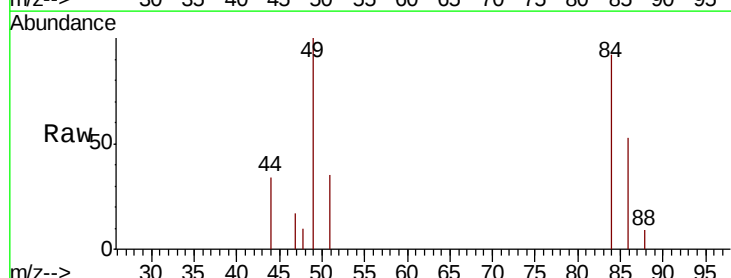
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

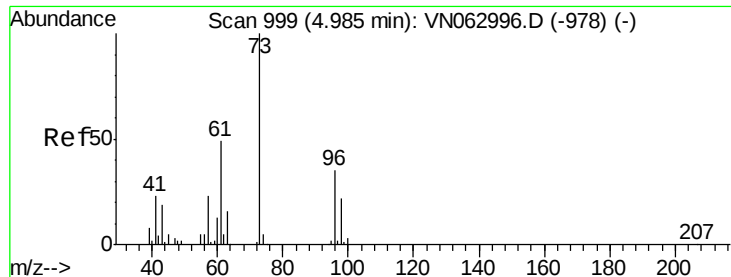
Tot Ion: 73 Resp: 5404
Ion Ratio Lower Upper
73 100
57 20.7 18.1 27.1



#20
Methylene Chloride
Concen: 1.881 ug/l
RT: 4.50 min Scan# 849
Delta R.T. 0.00 min
Lab File: VN062993.D
Acq: 18 Aug 2020 18:41

Tgt Ion: 84 Resp: 4476
Ion Ratio Lower Upper
84 100
49 108.6 98.7 148.1
51 38.2 30.8 46.2
86 57.1 51.2 76.8





#21

trans-1,2-Dichloroethene

Concen: 1.067 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. 0.01 min

Lab File: VN062993.D

Acq: 18 Aug 2020 18:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

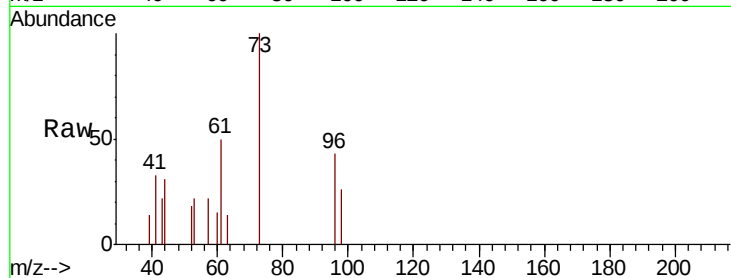
Tot Ion: 96 Resp: 1694

Ion Ratio Lower Upper

96 100

61 116.8 112.5 168.7

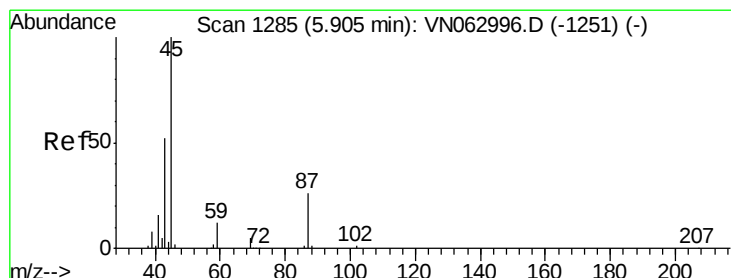
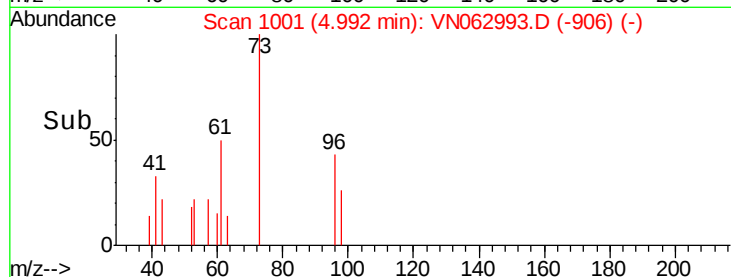
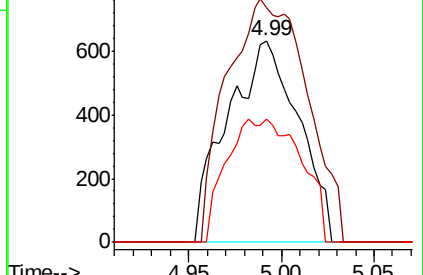
98 61.4 49.4 74.0



Abundance Ion 95.90 (95.60 to 96.60): VN062993.D (-978) (-)

Ion 60.90 (60.60 to 61.60): VN062993.D (-978) (-)

Ion 97.90 (97.60 to 98.60): VN062993.D (-978) (-)



#22

Diisopropyl ether

Concen: 0.976 ug/l

RT: 5.90 min Scan# 1284

Delta R.T. -0.00 min

Lab File: VN062993.D

Acq: 18 Aug 2020 18:41

Tgt Ion: 45 Resp: 5926

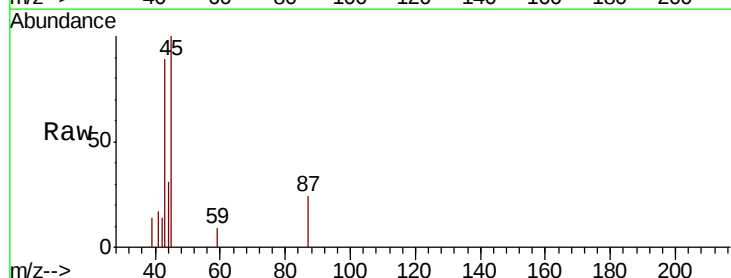
Ion Ratio Lower Upper

45 100

43 75.8 45.7 68.5#

87 24.0 21.8 32.6

59 9.4 9.3 13.9

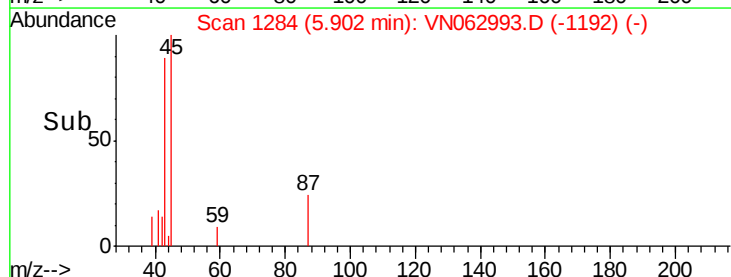
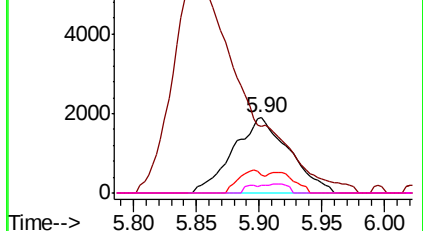


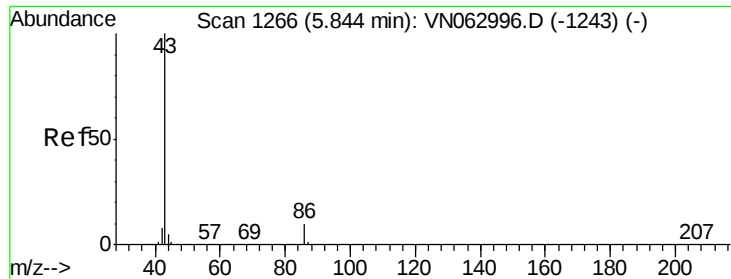
Abundance Ion 45.00 (44.70 to 45.70): VN062993.D (-1192) (-)

Ion 43.00 (42.70 to 43.70): VN062993.D (-1192) (-)

Ion 87.00 (86.70 to 87.70): VN062993.D (-1192) (-)

Ion 59.00 (58.70 to 59.70): VN062993.D (-1192) (-)

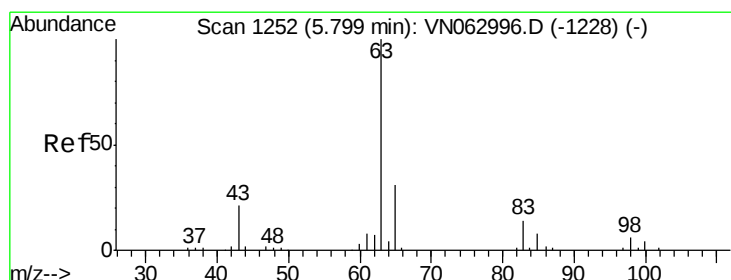
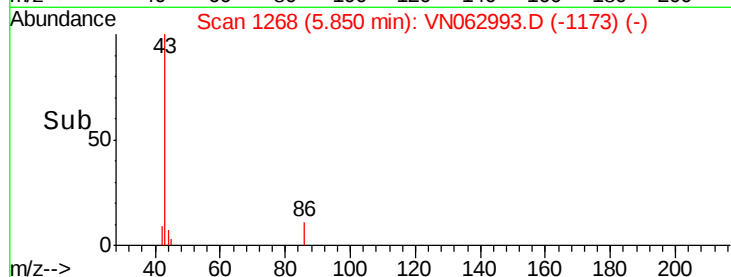
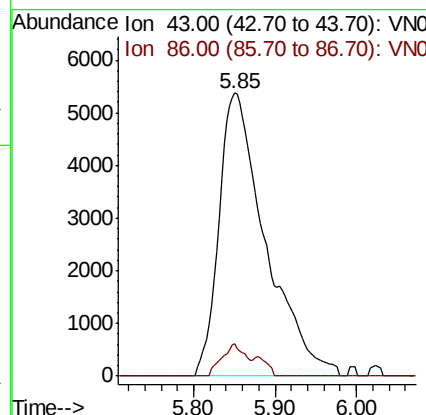
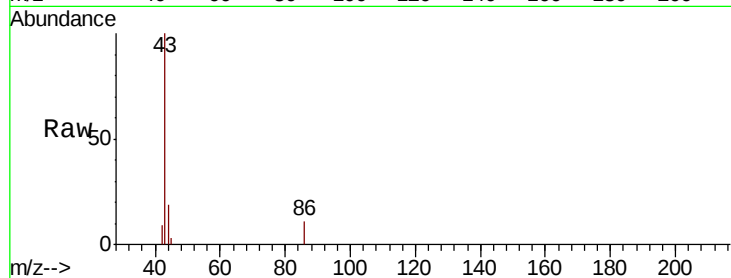




#23
 Vinyl Acetate
 Concen: 5.242 ug/l
 RT: 5.85 min Scan# 1268
 Delta R.T. 0.01 min
 Lab File: VN062993.D
 Acq: 18 Aug 2020 18:41

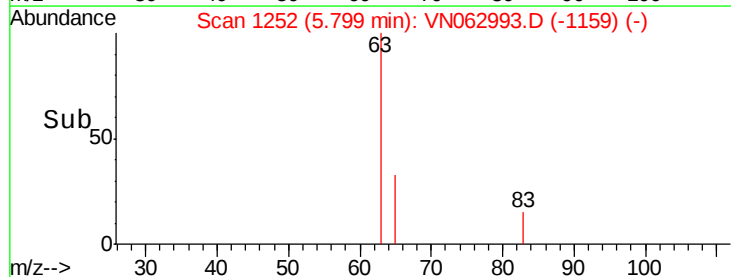
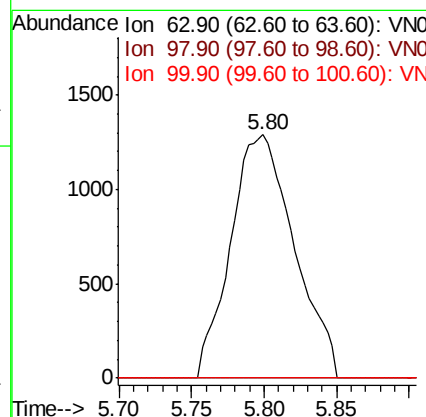
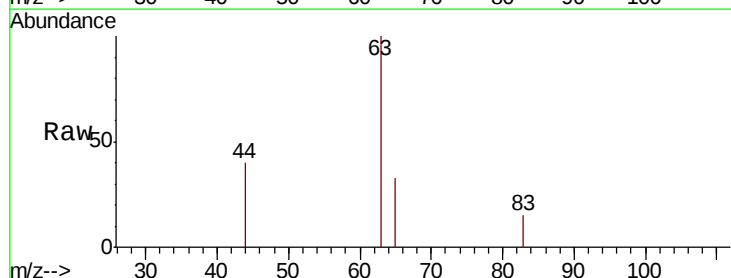
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

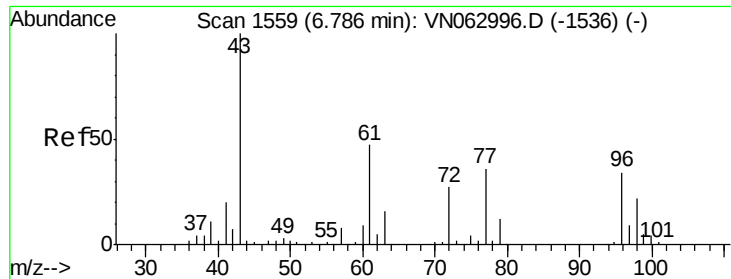
Tot Ion: 43 Resp: 21481
 Ion Ratio Lower Upper
 43 100
 86 11.4 8.0 12.0



#24
 1,1-Dichloroethane
 Concen: 1.160 ug/l
 RT: 5.80 min Scan# 1252
 Delta R.T. 0.00 min
 Lab File: VN062993.D
 Acq: 18 Aug 2020 18:41

Tgt Ion: 63 Resp: 3938
 Ion Ratio Lower Upper
 63 100
 98 0.0 2.9 8.7#
 100 0.0 2.0 5.8#

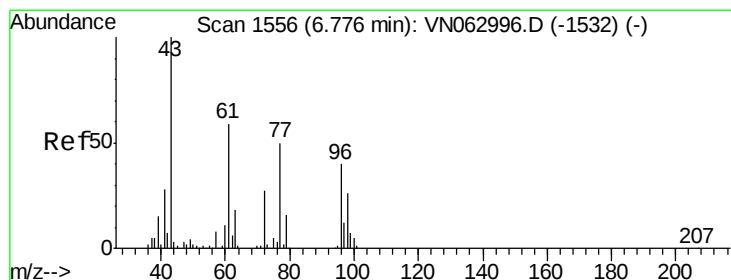
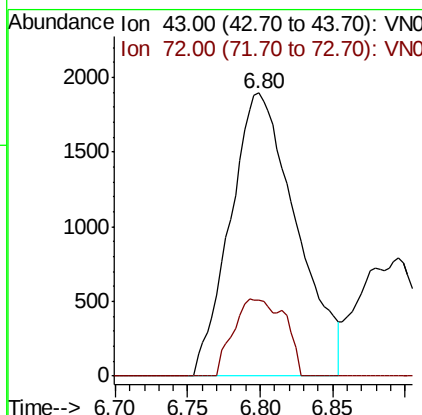
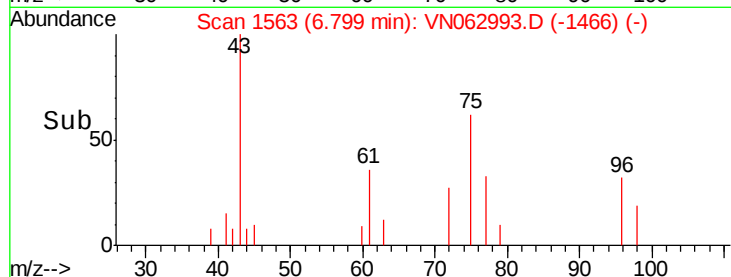
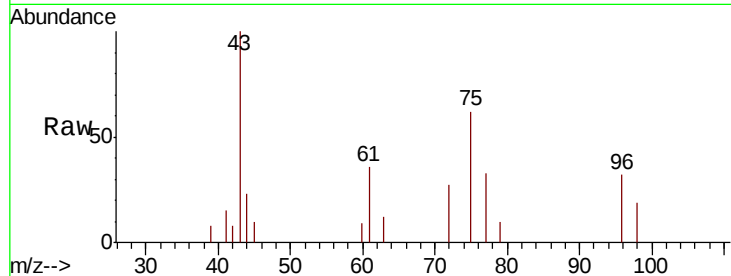




#25
2-Butanone
Concen: 5.336 ug/l
RT: 6.80 min Scan# 1563
Delta R.T. 0.01 min
Lab File: VN062993.D
Acq: 18 Aug 2020 18:41

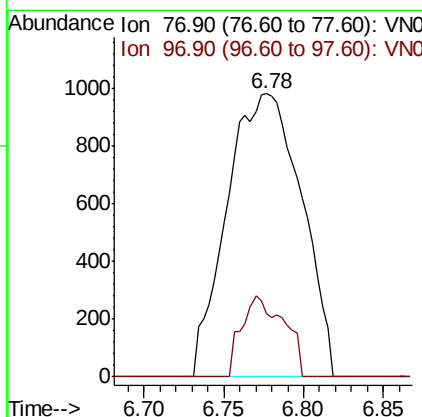
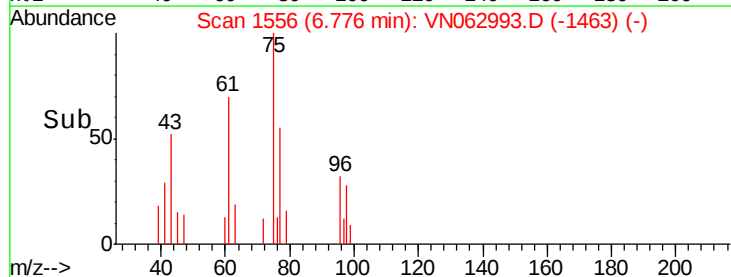
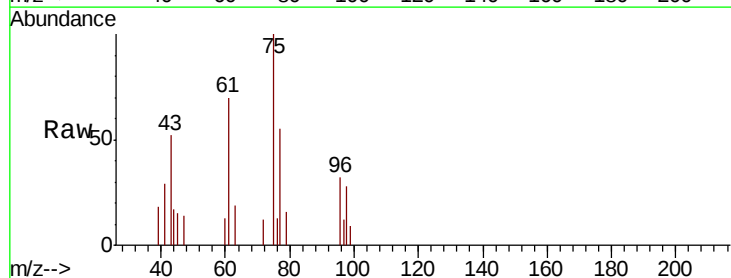
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

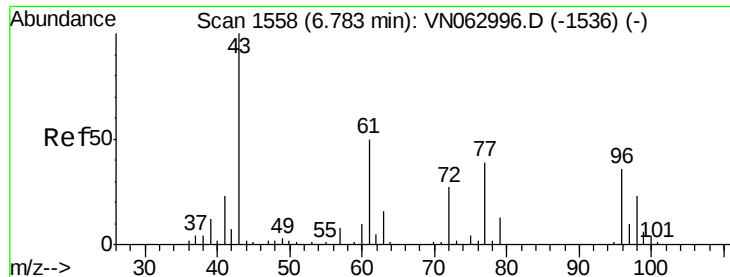
Tot Ion: 43 Resp: 6003
Ion Ratio Lower Upper
43 100
72 26.8 21.8 32.6



#26
2,2-Dichloropropane
Concen: 1.177 ug/l
RT: 6.78 min Scan# 1556
Delta R.T. 0.00 min
Lab File: VN062993.D
Acq: 18 Aug 2020 18:41

Tgt Ion: 77 Resp: 3142
Ion Ratio Lower Upper
77 100
97 16.2 11.7 35.1





#27

cis-1,2-Dichloroethene

Concen: 0.733 ug/l

RT: 6.78 min Scan# 1558

Delta R.T. 0.00 min

Lab File: VN062993.D

Acq: 18 Aug 2020 18:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

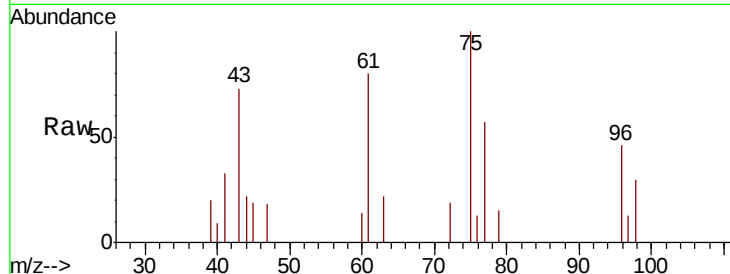
Tot Ion: 96 Resp: 1460

Ion Ratio Lower Upper

96 100

61 231.1 0.0 292.8

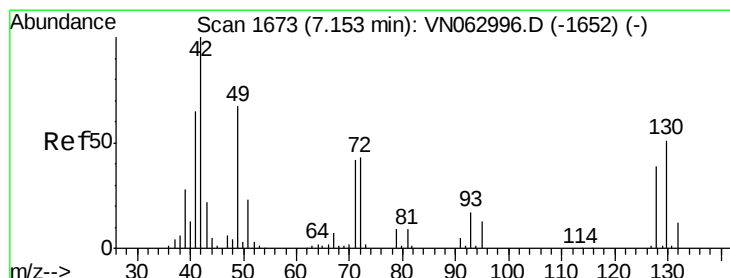
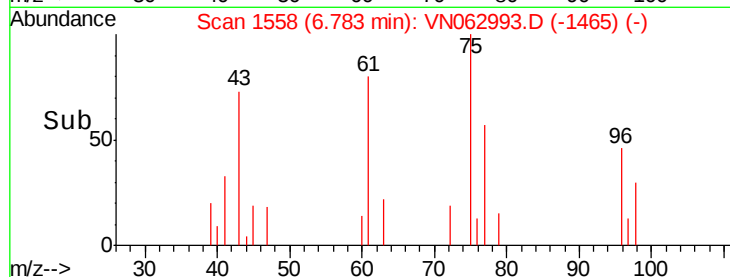
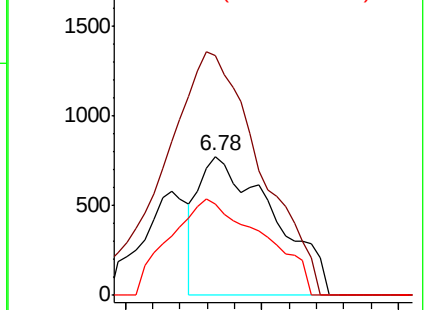
98 87.4 0.0 130.6



Abundance Ion 95.90 (95.60 to 96.60): VN062993.D (-1465) (-)

Ion 60.90 (60.60 to 61.60): VN062993.D (-1465) (-)

Ion 97.90 (97.60 to 98.60): VN062993.D (-1465) (-)



#28

Bromochloromethane

Concen: 1.099 ug/l

RT: 7.15 min Scan# 1672

Delta R.T. -0.00 min

Lab File: VN062993.D

Acq: 18 Aug 2020 18:41

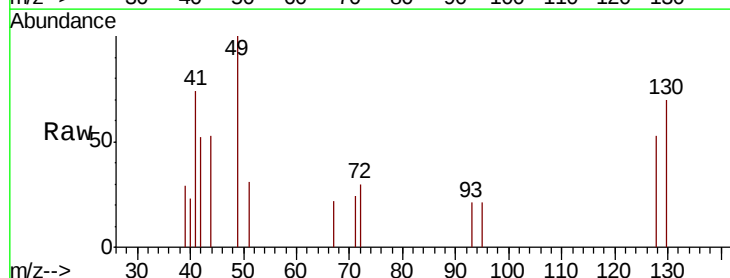
Tgt Ion: 49 Resp: 1951

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.6

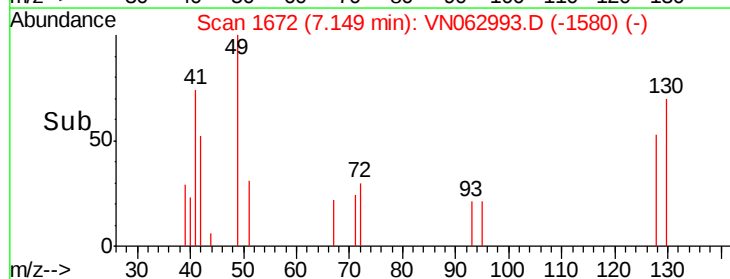
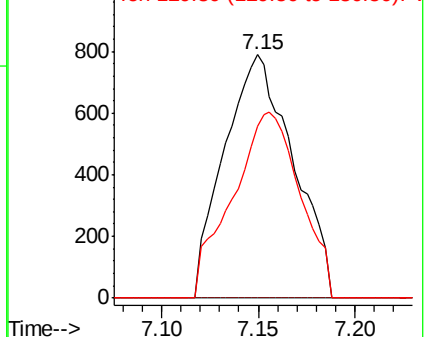
130 75.1 61.1 91.7

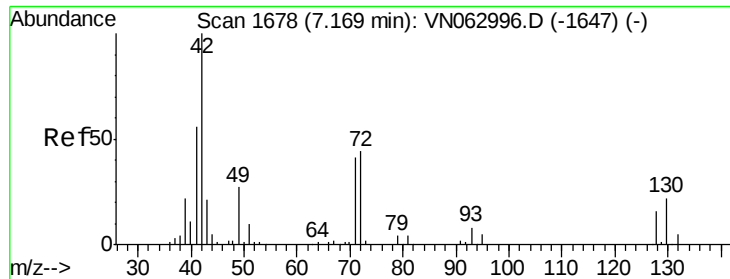


Abundance Ion 48.90 (48.60 to 49.60): VN062993.D (-1580) (-)

Ion 128.80 (128.50 to 129.50): VN062993.D (-1580) (-)

Ion 129.80 (129.50 to 130.50): VN062993.D (-1580) (-)





#29

Tetrahydrofuran

Concen: 4.696 ug/l

RT: 7.18 min Scan# 1680

Delta R.T. 0.01 min

Lab File: VN062993.D

Acq: 18 Aug 2020 18:41

Instrument :

MSVOA_N

ClientSampled :

VSTDIC001

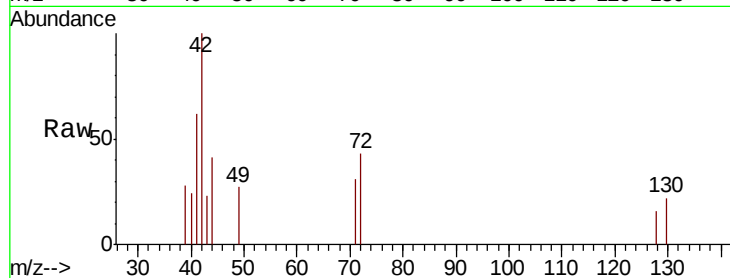
Tot Ion: 42 Resp: 3410

Ion Ratio Lower Upper

42 100

72 40.7 34.6 52.0

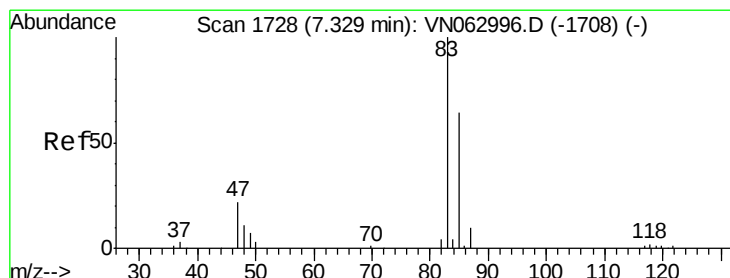
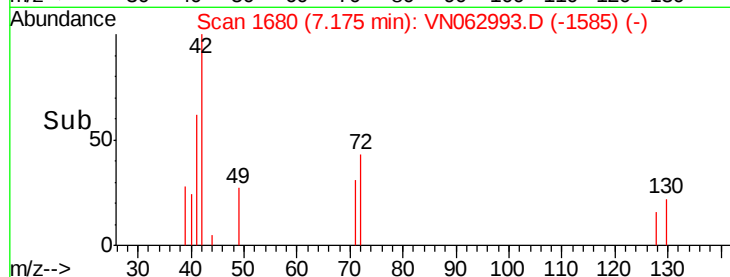
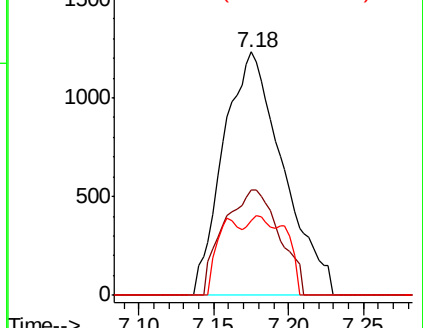
71 12.8 32.3 48.5#



Abundance Ion 42.00 (41.70 to 42.70): VN062993.D (-1647) (-)

Ion 72.00 (71.70 to 72.70): VN062993.D (-1647) (-)

Ion 71.00 (70.70 to 71.70): VN062993.D (-1647) (-)



#30

Chloroform

Concen: 1.080 ug/l

RT: 7.33 min Scan# 1729

Delta R.T. 0.00 min

Lab File: VN062993.D

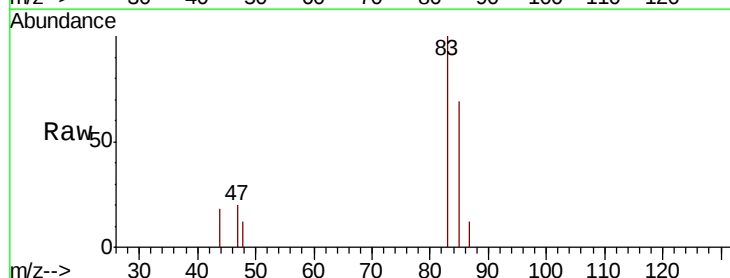
Acq: 18 Aug 2020 18:41

Tgt Ion: 83 Resp: 3690

Ion Ratio Lower Upper

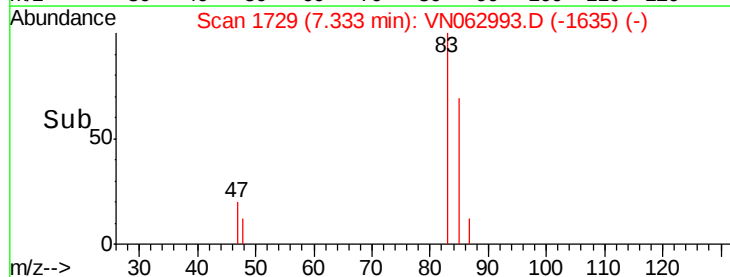
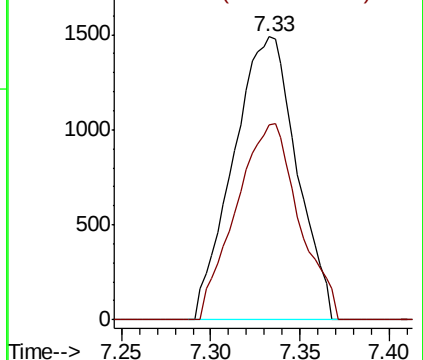
83 100

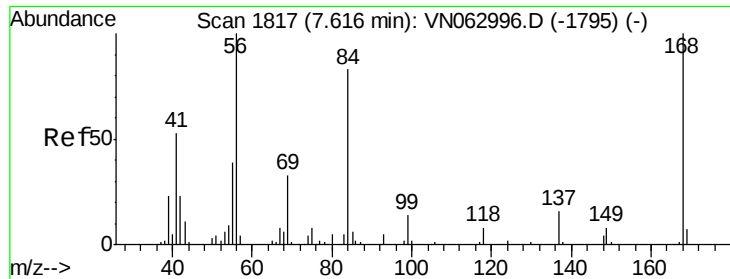
85 68.9 51.5 77.3



Abundance Ion 82.90 (82.60 to 83.60): VN062993.D (-1635) (-)

Ion 84.90 (84.60 to 85.60): VN062993.D (-1635) (-)

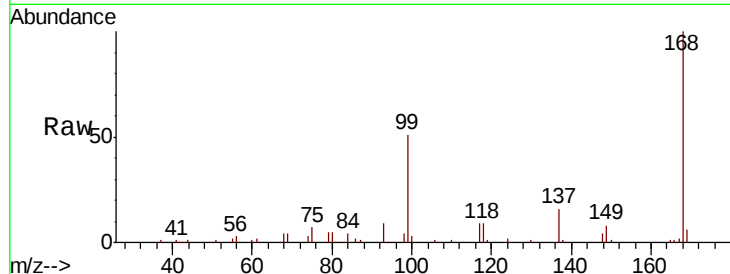




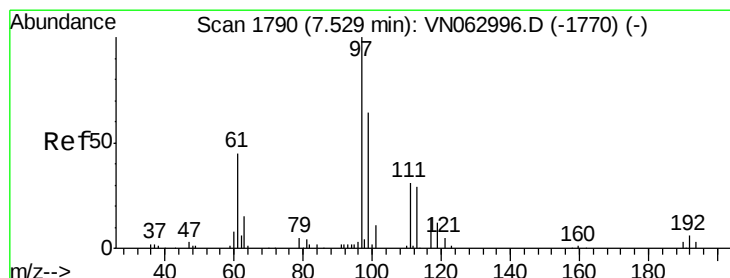
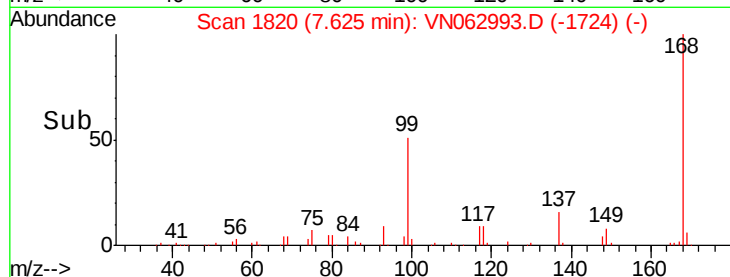
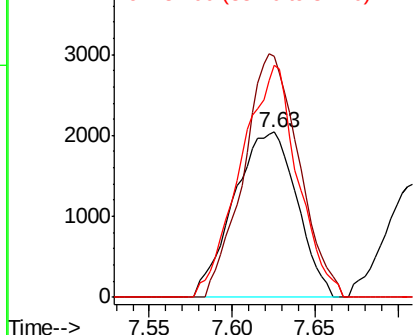
#31
Cyclohexane
Concen: 1.731 ug/l
RT: 7.63 min Scan# 1820
Delta R.T. 0.01 min
Lab File: VN062993.D
Acq: 18 Aug 2020 18:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion: 56 Resp: 5407
Ion Ratio Lower Upper
56 100
69 145.8 26.6 40.0#
84 140.9 66.4 99.6#

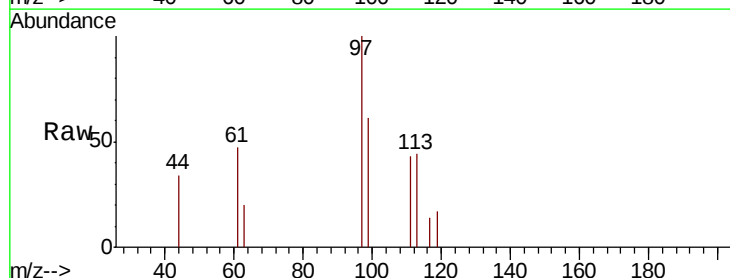


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

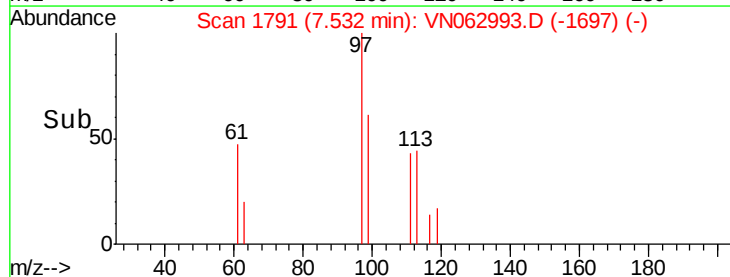
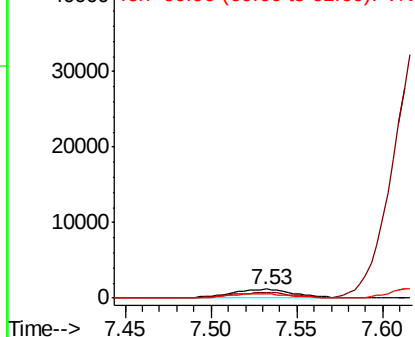


#32
1,1,1-Trichloroethane
Concen: 1.085 ug/l
RT: 7.53 min Scan# 1791
Delta R.T. 0.00 min
Lab File: VN062993.D
Acq: 18 Aug 2020 18:41

Tgt Ion: 97 Resp: 3027
Ion Ratio Lower Upper
97 100
99 0.0 52.0 78.0#
61 43.6 36.2 54.4



Abundance Ion 96.90 (96.60 to 97.60): VN0
Ion 98.90 (98.60 to 99.60): VN0
Ion 60.90 (60.60 to 61.60): VN0

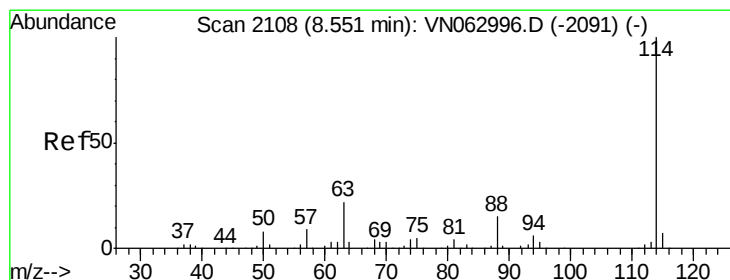
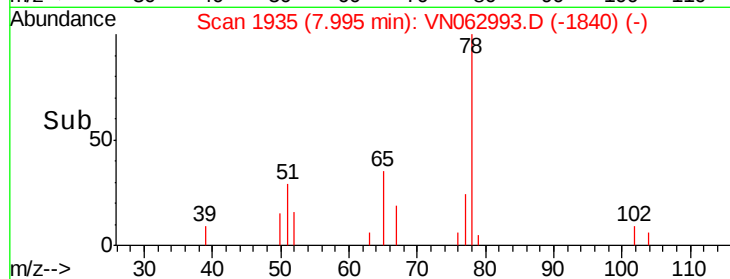
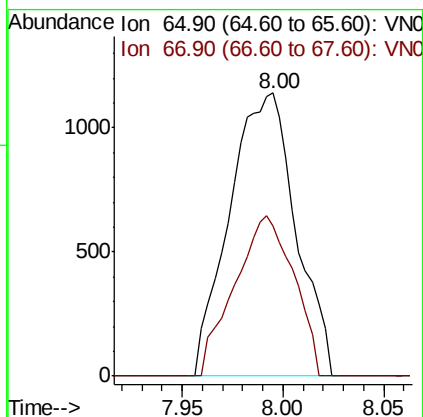
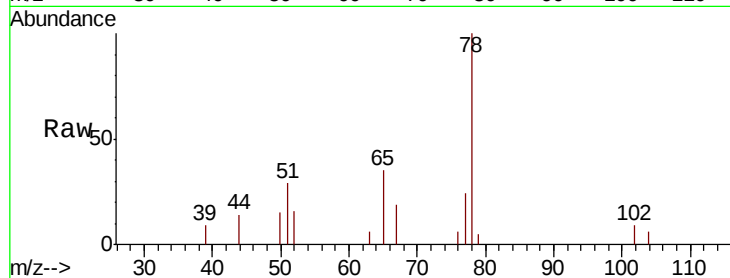




#33
 1,2-Dichloroethane-d4
 Concen: 1.230 ug/l
 RT: 8.00 min Scan# 1935
 Delta R.T. 0.01 min
 Lab File: VN062993.D
 Acq: 18 Aug 2020 18:41

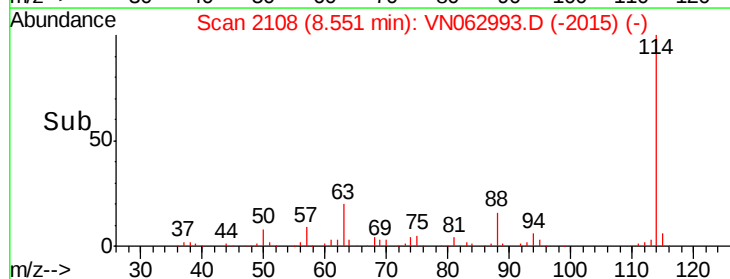
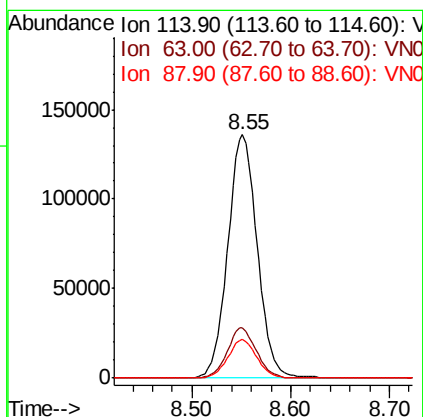
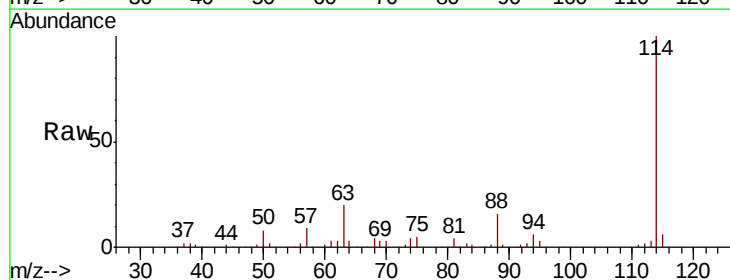
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

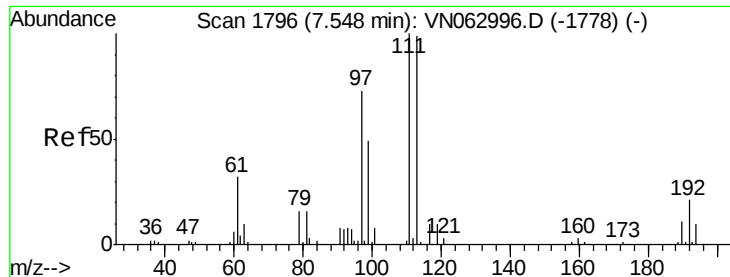
Tot Ion: 65 Resp: 2606
 Ion Ratio Lower Upper
 65 100
 67 50.7 0.0 112.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. 0.00 min
 Lab File: VN062993.D
 Acq: 18 Aug 2020 18:41

Tgt Ion: 114 Resp: 283537
 Ion Ratio Lower Upper
 114 100
 63 20.5 0.0 43.2
 88 15.7 0.0 30.6

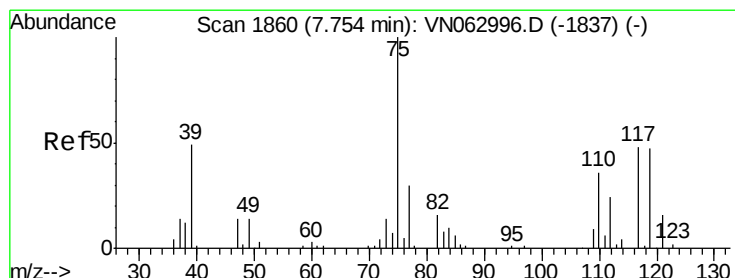
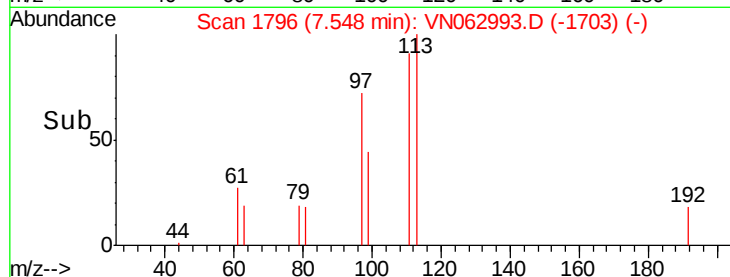
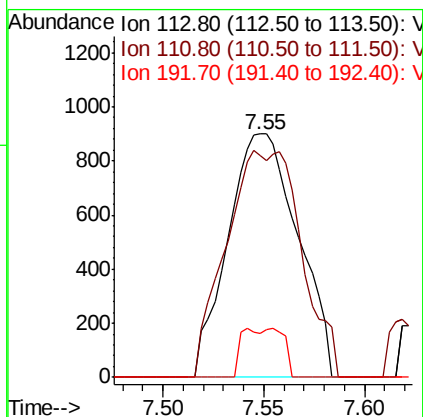
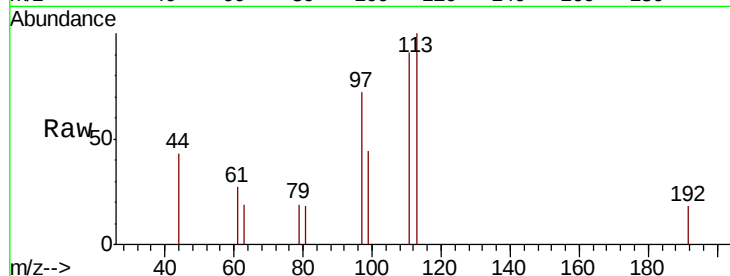




#35
 Dibromofluoromethane
 Concen: 1.176 ug/l
 RT: 7.55 min Scan# 1796
 Delta R.T. 0.00 min
 Lab File: VN062993.D
 Acq: 18 Aug 2020 18:41

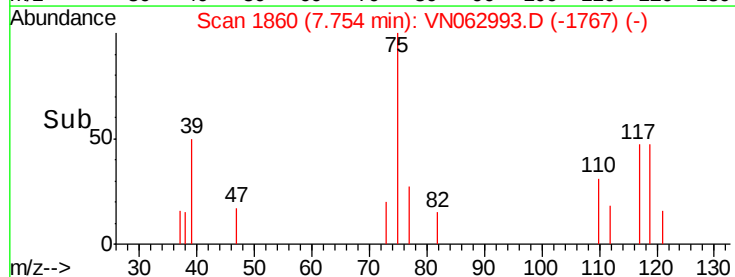
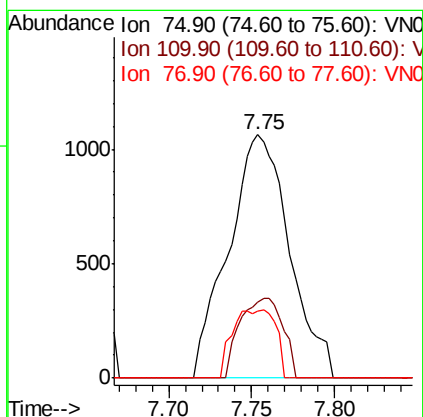
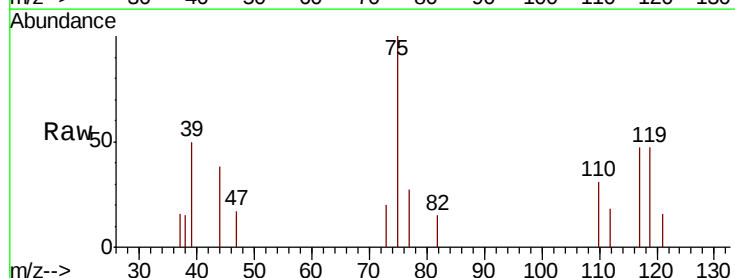
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

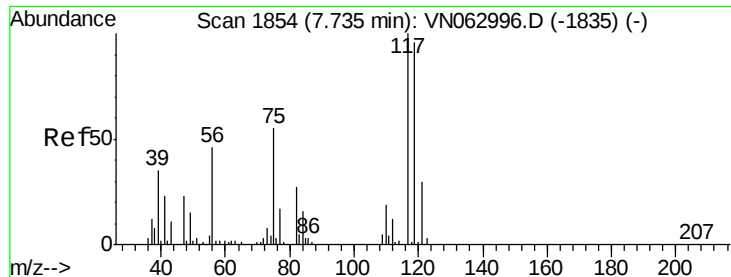
Tot Ion:113 Resp: 2172
 Ion Ratio Lower Upper
 113 100
 111 56.2 81.7 122.5#
 192 6.0 17.5 26.3#



#36
 1,1-Dichloropropene
 Concen: 1.090 ug/l
 RT: 7.75 min Scan# 1860
 Delta R.T. 0.00 min
 Lab File: VN062993.D
 Acq: 18 Aug 2020 18:41

Tgt Ion: 75 Resp: 2723
 Ion Ratio Lower Upper
 75 100
 110 23.0 17.5 52.6
 77 10.4 24.2 36.4#

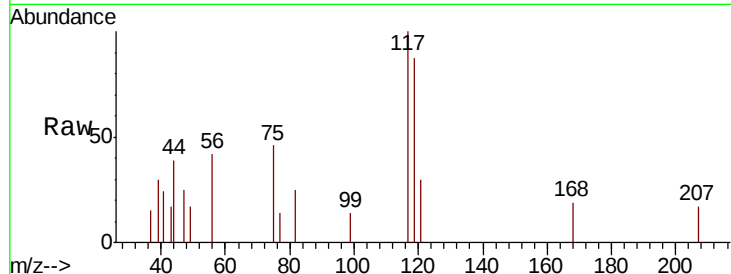




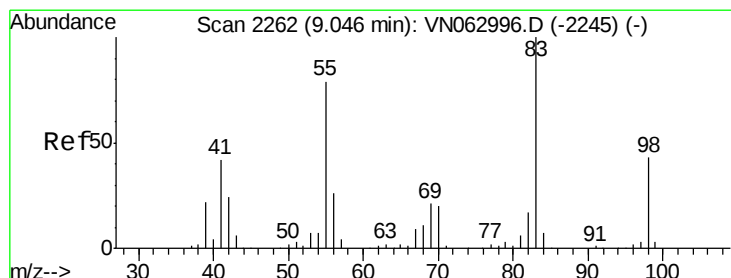
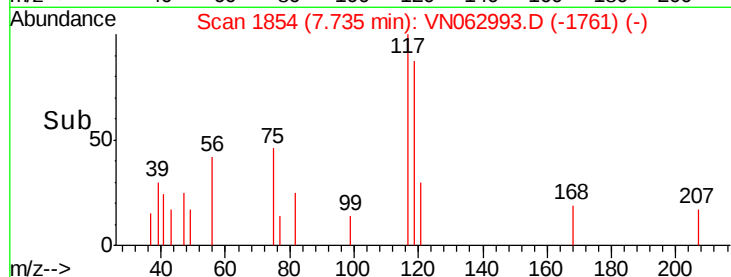
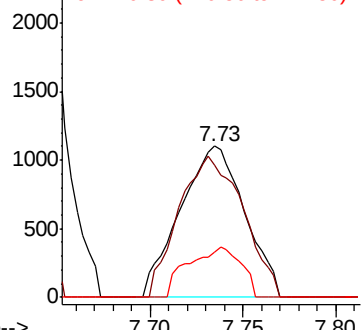
#38
Carbon Tetrachloride
Concen: 1.056 ug/l
RT: 7.73 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VN062993.D
Acq: 18 Aug 2020 18:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion:117 Resp: 2663
Ion Ratio Lower Upper
117 100
119 87.2 76.2 114.4
121 30.0 24.2 36.2

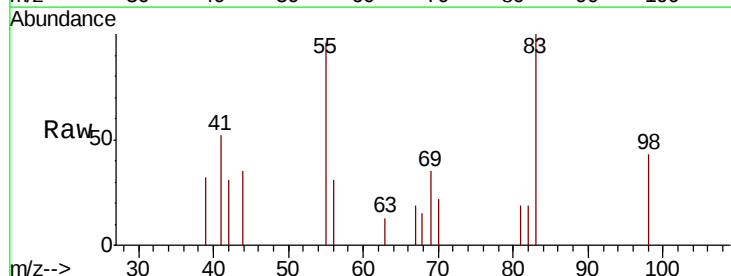


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

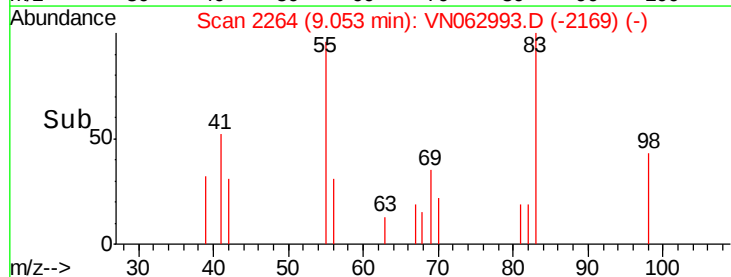
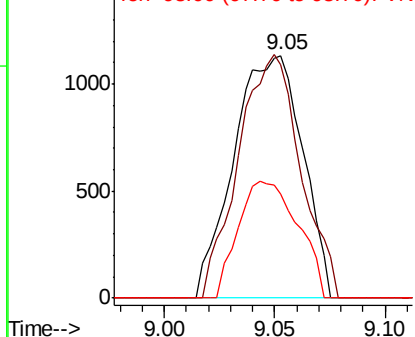


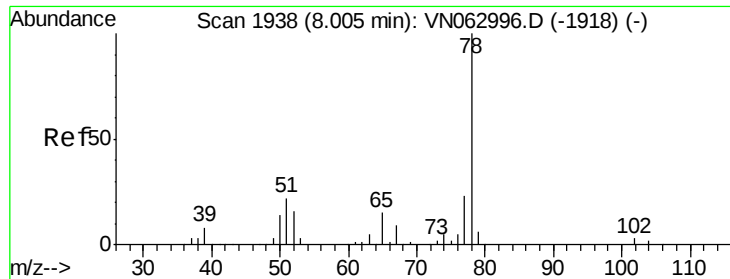
#39
Methylcyclohexane
Concen: 0.829 ug/l
RT: 9.05 min Scan# 2264
Delta R.T. 0.01 min
Lab File: VN062993.D
Acq: 18 Aug 2020 18:41

Tgt Ion: 83 Resp: 2448
Ion Ratio Lower Upper
83 100
55 96.4 63.3 94.9#
98 43.0 34.2 51.4



Abundance Ion 83.00 (82.70 to 83.70): VNO
Ion 55.00 (54.70 to 55.70): VNO
Ion 98.00 (97.70 to 98.70): VNO





#40

Benzene

Concen: 1.038 ug/l

RT: 8.00 min Scan# 1937

Delta R.T. -0.00 min

Lab File: VN062993.D

Acq: 18 Aug 2020 18:41

Instrument :

MSVOA_N

ClientSampleId :

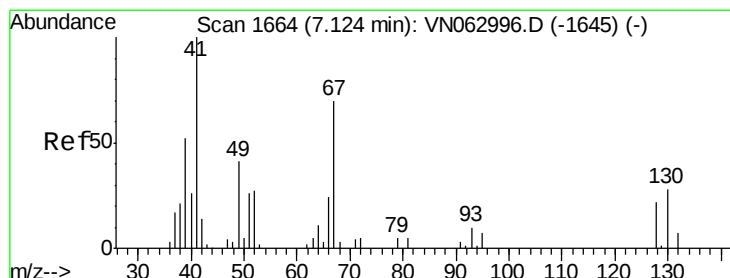
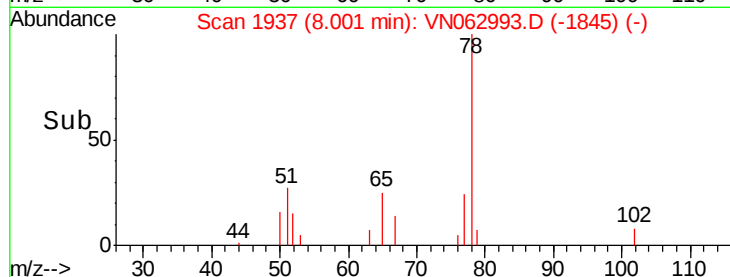
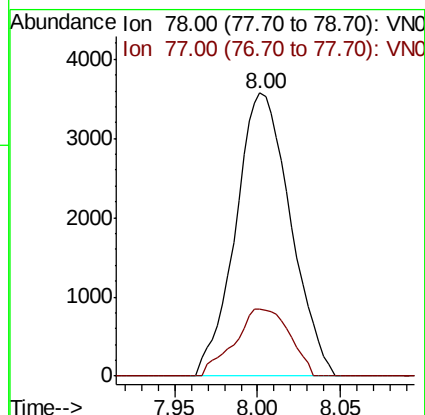
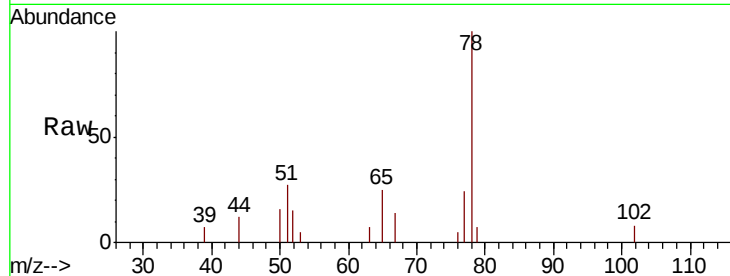
VSTDIC001

Tot Ion: 78 Resp: 8223

Ion Ratio Lower Upper

78 100

77 23.8 18.8 28.2



#41

Methacrylonitrile

Concen: 0.722 ug/l

RT: 7.13 min Scan# 1666

Delta R.T. 0.01 min

Lab File: VN062993.D

Acq: 18 Aug 2020 18:41

Tgt Ion: 41 Resp: 805

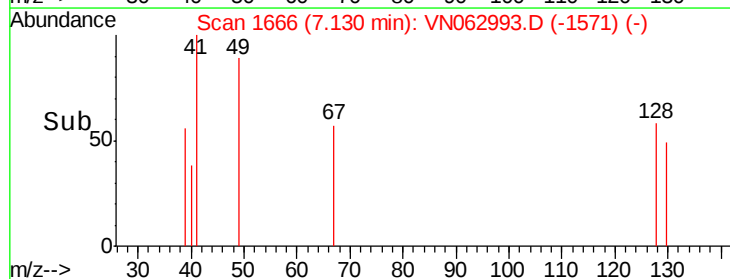
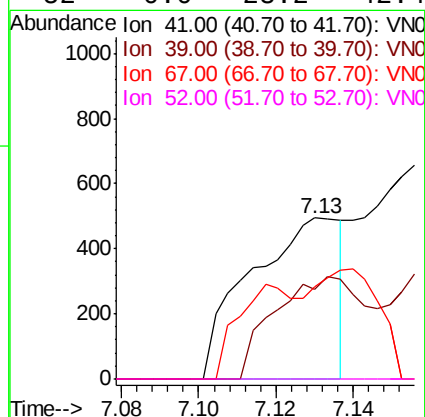
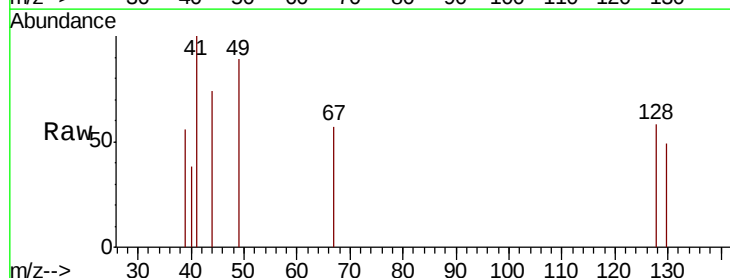
Ion Ratio Lower Upper

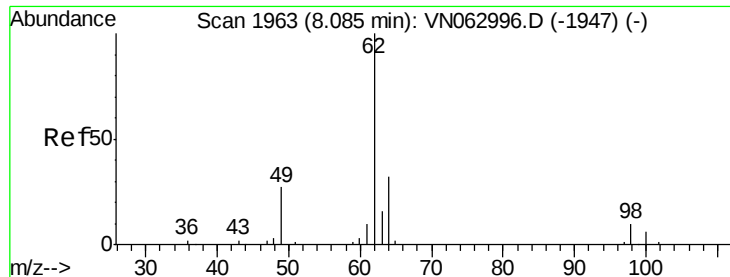
41 100

39 64.2 41.6 62.4#

67 47.5 71.8 107.8#

52 0.0 28.2 42.4#

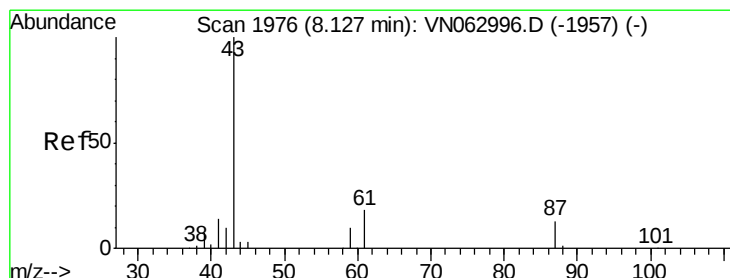
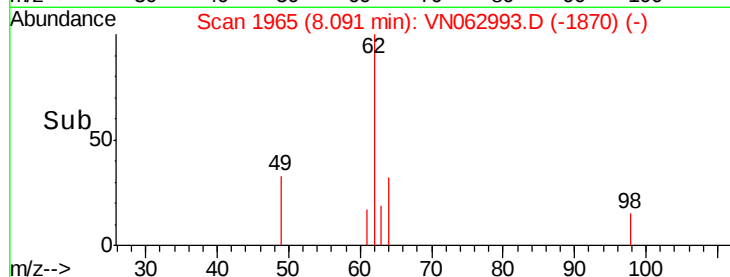
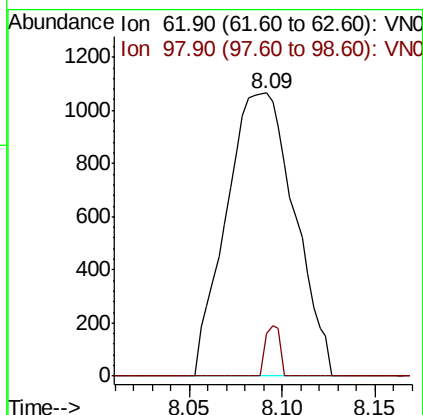
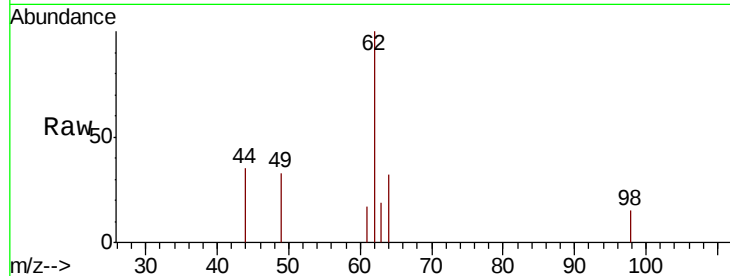




#42
 1,2-Dichloroethane
 Concen: 1.024 ug/l
 RT: 8.09 min Scan# 1965
 Delta R.T. 0.01 min
 Lab File: VN062993.D
 Acq: 18 Aug 2020 18:41

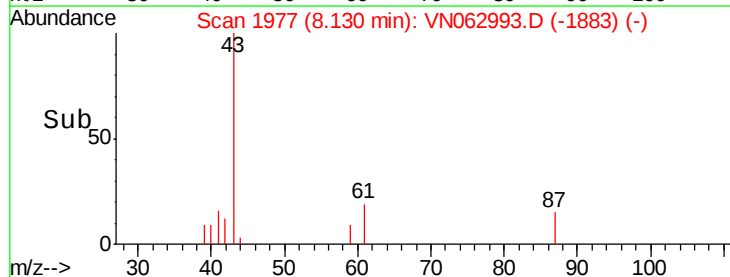
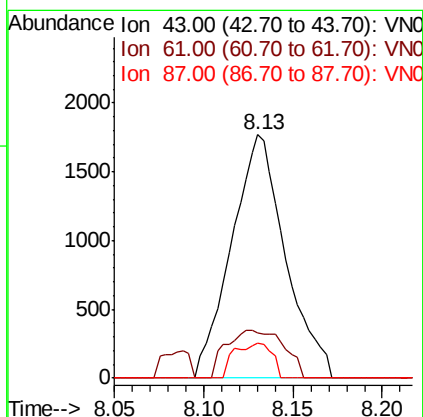
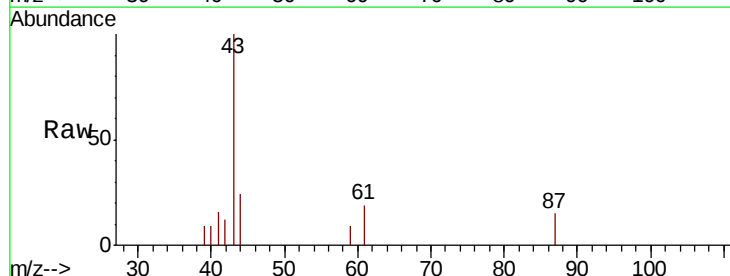
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

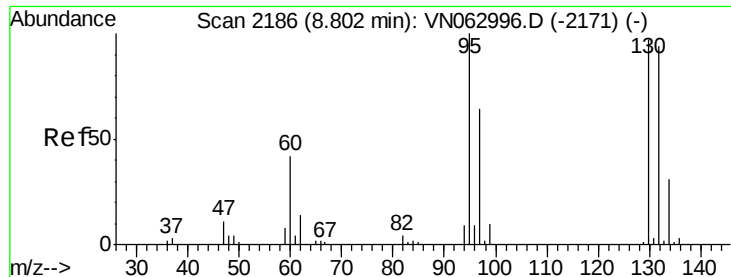
Tot Ion: 62 Resp: 2726
 Ion Ratio Lower Upper
 62 100
 98 3.7 0.0 18.4



#43
 Isopropyl Acetate
 Concen: 0.956 ug/l
 RT: 8.13 min Scan# 1977
 Delta R.T. 0.00 min
 Lab File: VN062993.D
 Acq: 18 Aug 2020 18:41

Tgt Ion: 43 Resp: 3710
 Ion Ratio Lower Upper
 43 100
 61 21.1 22.6 33.8#
 87 9.9 10.5 15.7#





#44

Trichloroethene

Concen: 1.113 ug/l

RT: 8.81 min Scan# 2187

Delta R.T. 0.00 min

Lab File: VN062993.D

Acq: 18 Aug 2020 18:41

Instrument :

MSVOA_N

ClientSampleId :

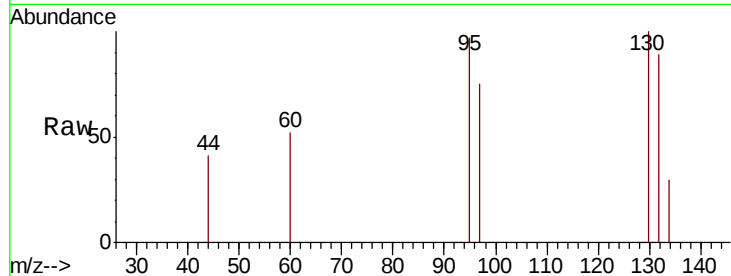
VSTDIC001

Tot Ion:130 Resp: 2194

Ion Ratio Lower Upper

130 100

95 96.6 0.0 205.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VN

8.81

1200

1000

800

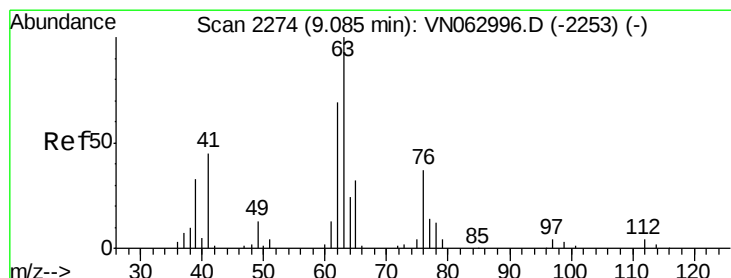
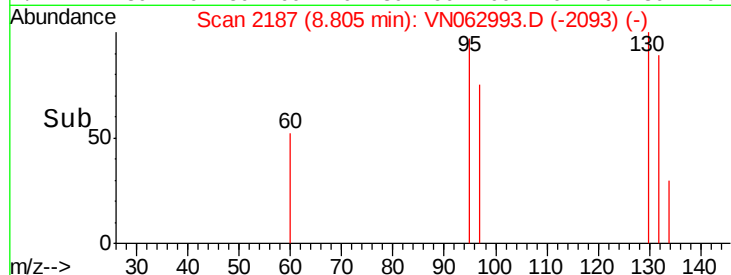
600

400

200

0

Time-->



#45

1,2-Dichloropropane

Concen: 1.098 ug/l

RT: 9.09 min Scan# 2274

Delta R.T. 0.00 min

Lab File: VN062993.D

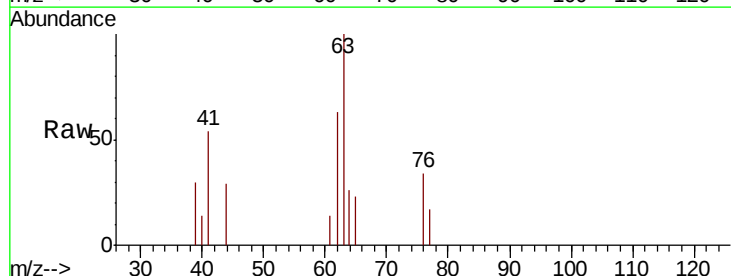
Acq: 18 Aug 2020 18:41

Tgt Ion: 63 Resp: 2515

Ion Ratio Lower Upper

63 100

65 22.6 25.6 38.4#



Abundance Ion 62.90 (62.60 to 63.60): VN

Ion 64.90 (64.60 to 65.60): VN

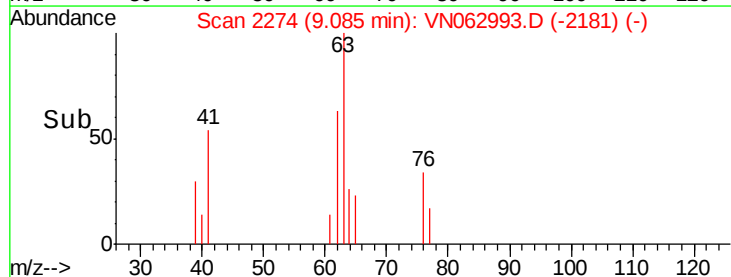
9.09

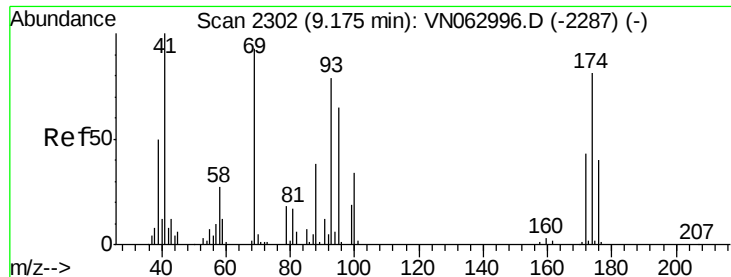
1000

500

0

Time-->

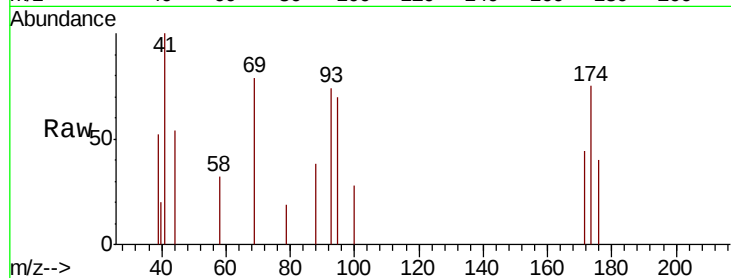




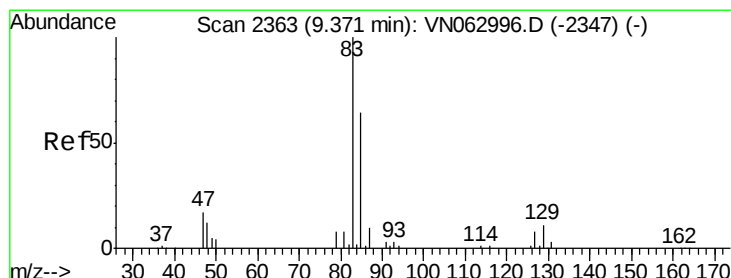
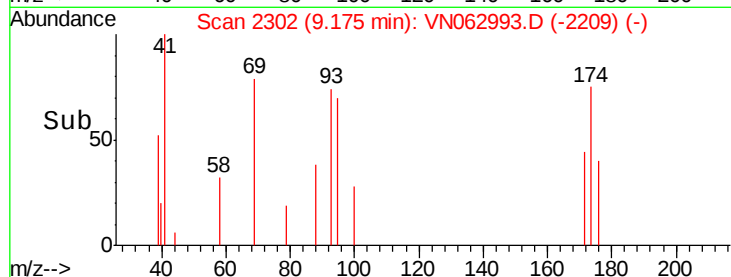
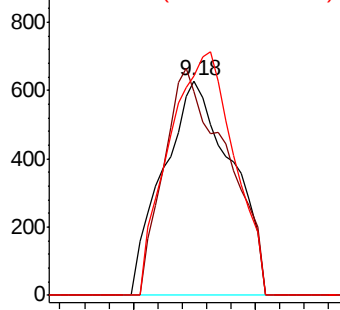
#46
Dibromomethane
Concen: 0.923 ug/l
RT: 9.18 min Scan# 2302
Delta R.T. 0.00 min
Lab File: VN062993.D
Acq: 18 Aug 2020 18:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion: 93 Resp: 1221
Ion Ratio Lower Upper
93 100
95 98.3 66.2 99.4
174 108.4 84.6 127.0

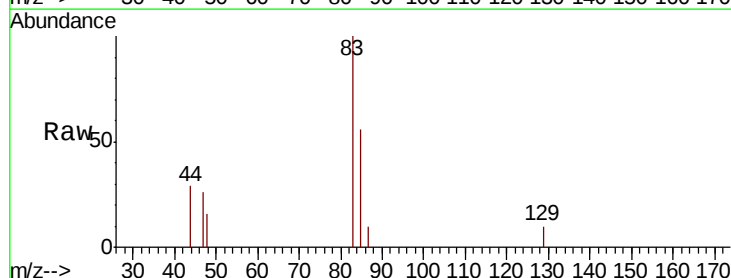


Abundance Ion 92.80 (92.50 to 93.50): VN0
Ion 94.80 (94.50 to 95.50): VN0
Ion 173.70 (173.40 to 174.40): V

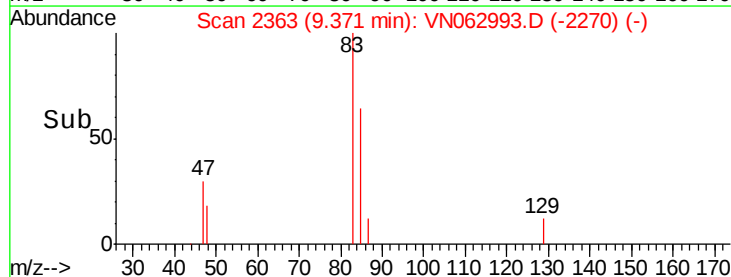
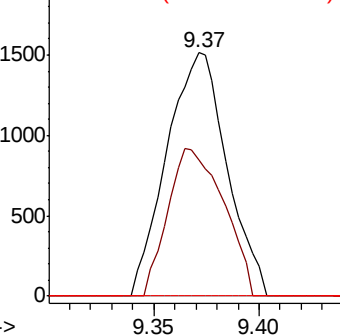


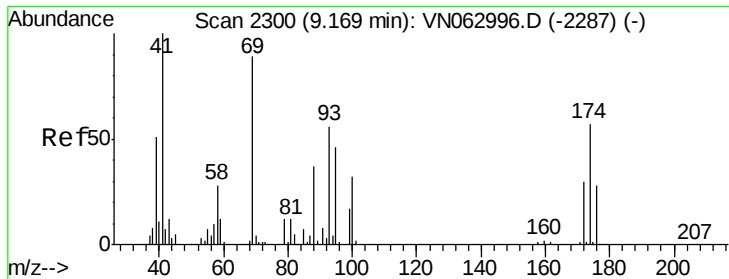
#47
Bromodichloromethane
Concen: 1.034 ug/l
RT: 9.37 min Scan# 2363
Delta R.T. 0.00 min
Lab File: VN062993.D
Acq: 18 Aug 2020 18:41

Tgt Ion: 83 Resp: 2997
Ion Ratio Lower Upper
83 100
85 55.8 51.1 76.7
127 0.0 6.6 9.8#



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0
Ion 126.80 (126.50 to 127.50): V

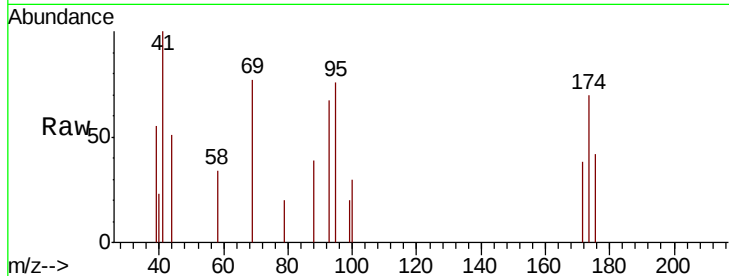




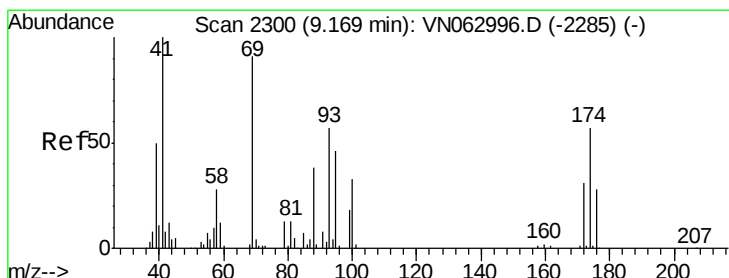
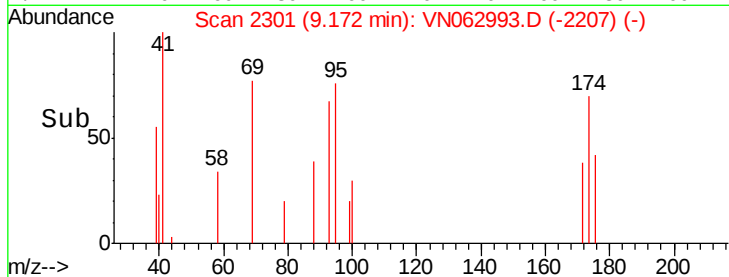
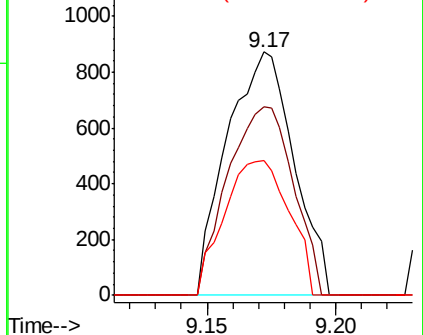
#48
Methvl methacrylate
Concen: 0.860 ug/l
RT: 9.17 min Scan# 2301
Delta R.T. 0.00 min
Lab File: VN062993.D
Acq: 18 Aug 2020 18:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion: 41 Resp: 1578
Ion Ratio Lower Upper
41 100
69 76.2 74.2 111.4
39 53.8 42.5 63.7

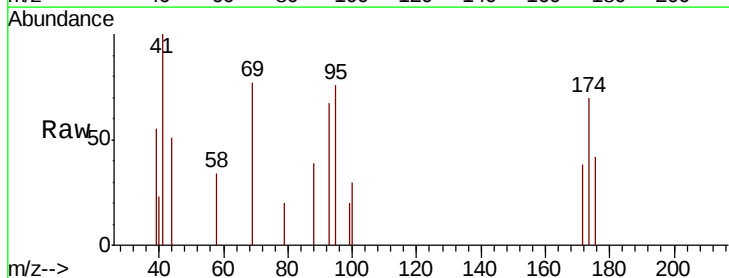


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

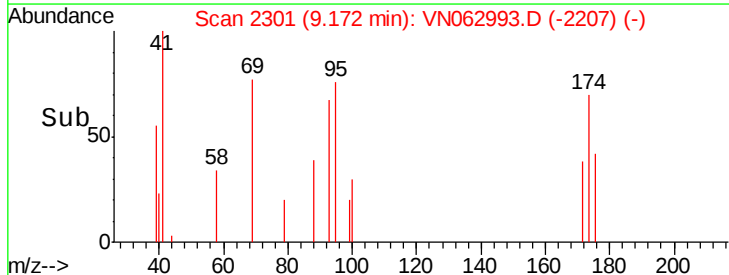
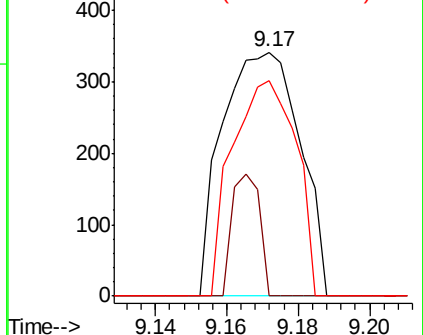


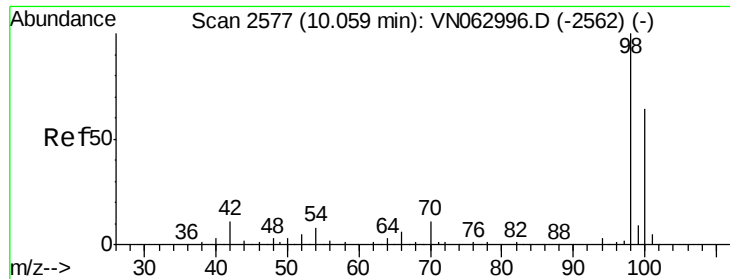
#49
1,4-Dioxane
Concen: 14.368 ug/l
RT: 9.17 min Scan# 2301
Delta R.T. 0.00 min
Lab File: VN062993.D
Acq: 18 Aug 2020 18:41

Tgt Ion: 88 Resp: 514
Ion Ratio Lower Upper
88 100
43 0.0 25.2 37.8#
58 72.4 56.7 85.1



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





#50

Toluene-d8

Concen: 1.019 ug/l

RT: 10.06 min Scan# 2578

Delta R.T. 0.00 min

Lab File: VN062993.D

Acq: 18 Aug 2020 18:41

Instrument :

MSVOA_N

ClientSampleId :

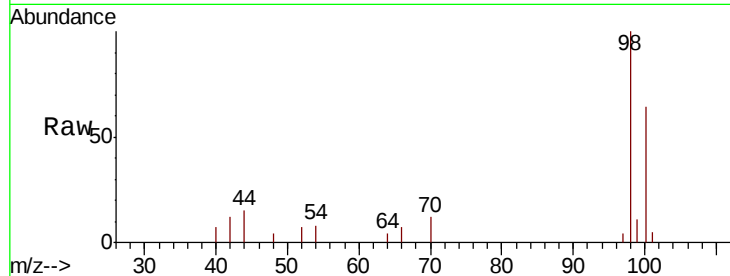
VSTDIC001

Tot Ion: 98 Resp: 7231

Ion Ratio Lower Upper

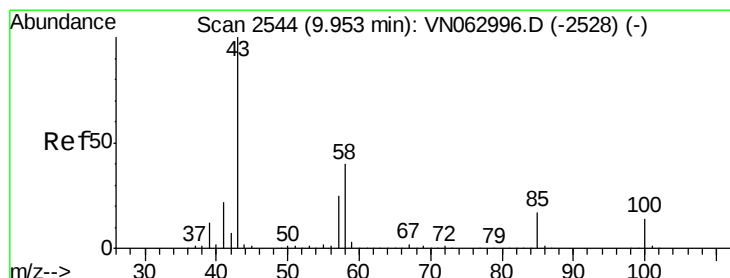
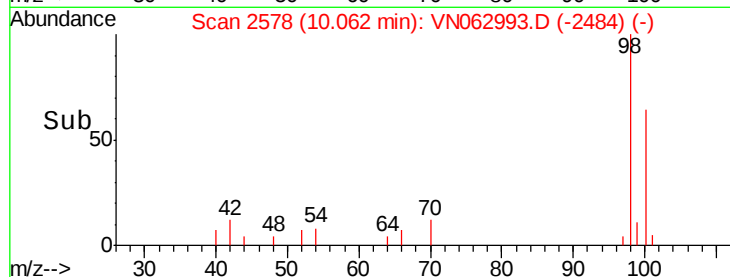
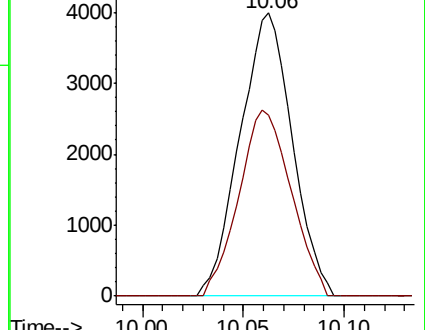
98 100

100 65.5 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VN062993.D (-2562) (-)

Ion 100.00 (99.70 to 100.70): VN062993.D (-2562) (-)



#51

4-Methyl-2-Pentanone

Concen: 4.638 ug/l

RT: 9.96 min Scan# 2545

Delta R.T. 0.00 min

Lab File: VN062993.D

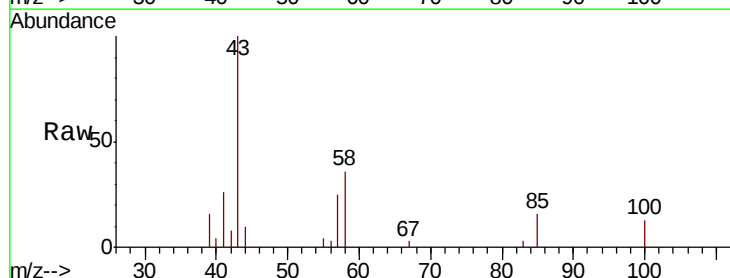
Acq: 18 Aug 2020 18:41

Tgt Ion: 43 Resp: 11370

Ion Ratio Lower Upper

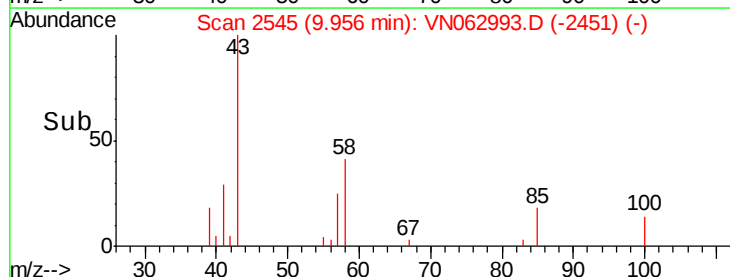
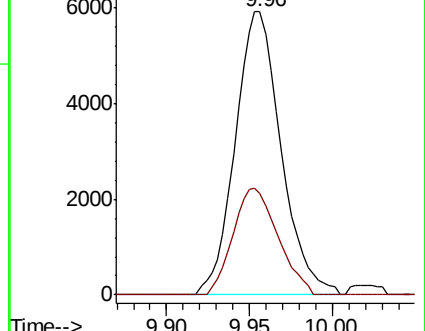
43 100

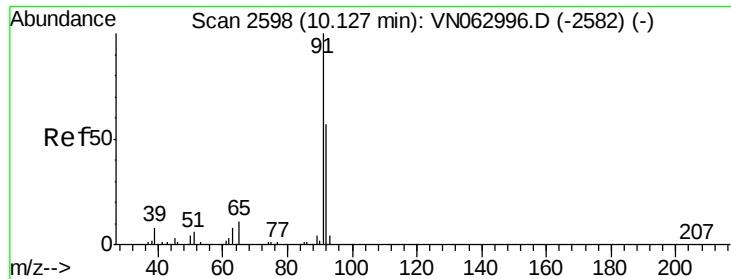
58 36.9 32.2 48.2



Abundance Ion 43.00 (42.70 to 43.70): VN062993.D (-2528) (-)

Ion 58.00 (57.70 to 58.70): VN062993.D (-2528) (-)





#52

Toluene

Concen: 0.936 ug/l

RT: 10.13 min Scan# 2598

Delta R.T. 0.00 min

Lab File: VN062993.D

Acq: 18 Aug 2020 18:41

Instrument :

MSVOA_N

ClientSampleId :

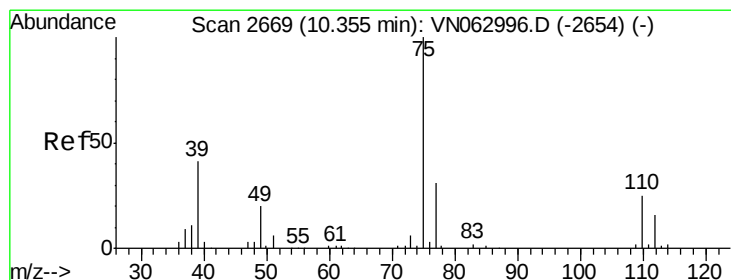
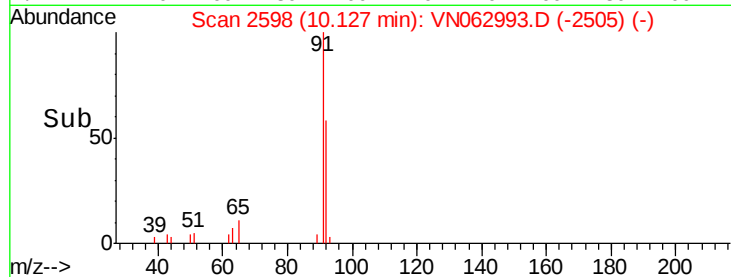
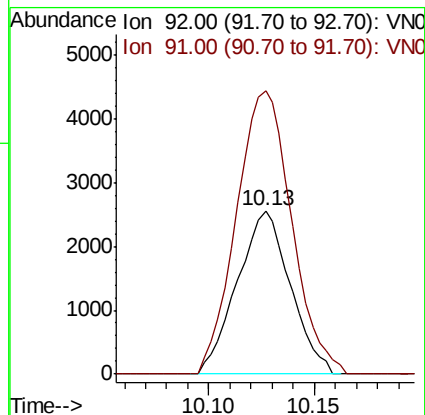
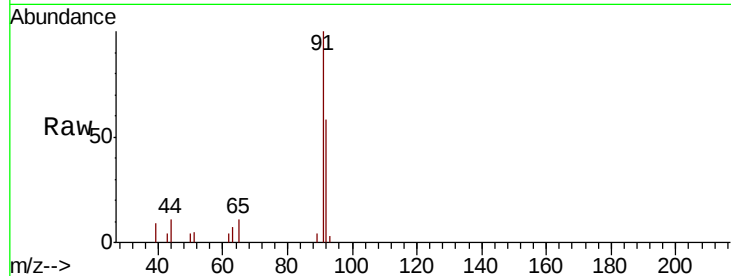
VSTDIC001

Tot Ion: 92 Resp: 4474

Ion Ratio Lower Upper

92 100

91 180.9 139.2 208.8



#53

t-1,3-Dichloropropene

Concen: 0.951 ug/l

RT: 10.36 min Scan# 2670

Delta R.T. 0.00 min

Lab File: VN062993.D

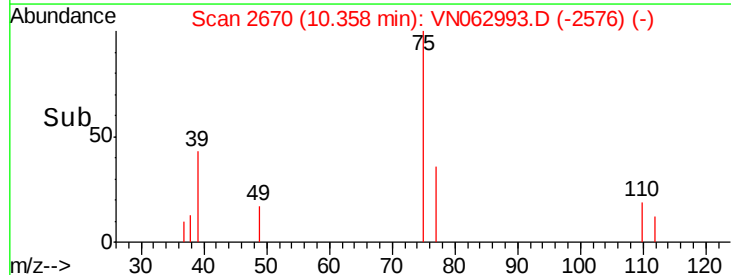
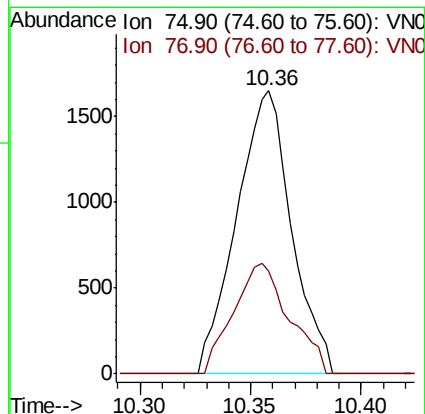
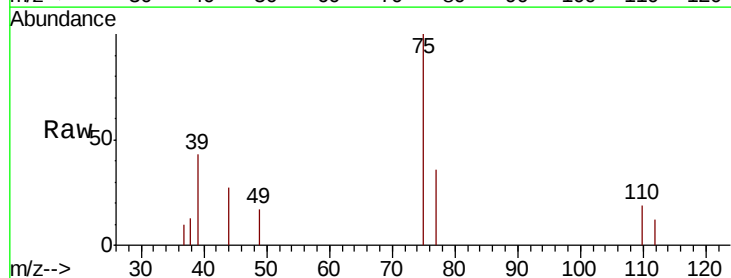
Acq: 18 Aug 2020 18:41

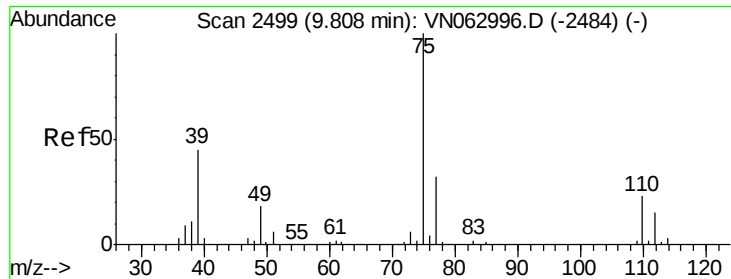
Tgt Ion: 75 Resp: 2851

Ion Ratio Lower Upper

75 100

77 36.3 24.6 37.0



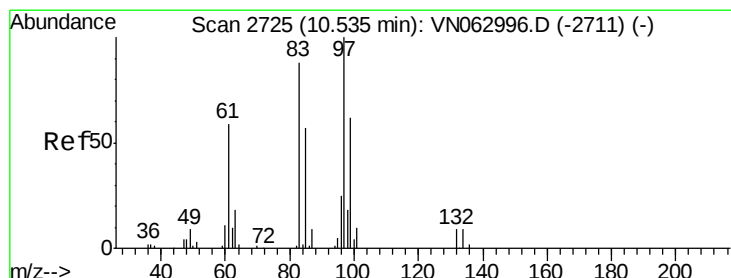
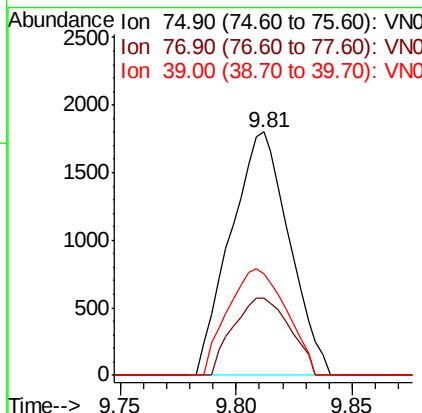
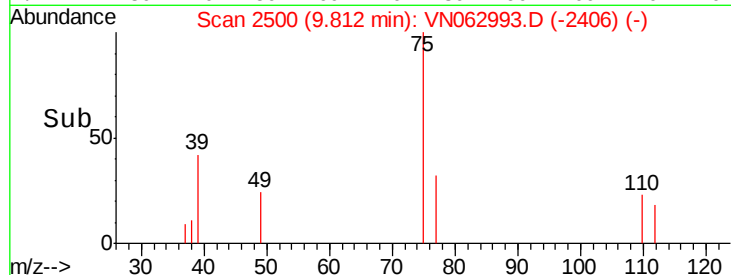
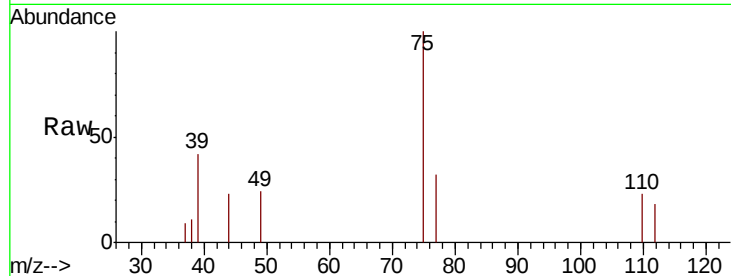


#54

cis-1,3-Dichloropropene
 Concen: 0.961 ug/l
 RT: 9.81 min Scan# 2500
 Delta R.T. 0.00 min
 Lab File: VN062993.D
 Acq: 18 Aug 2020 18:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

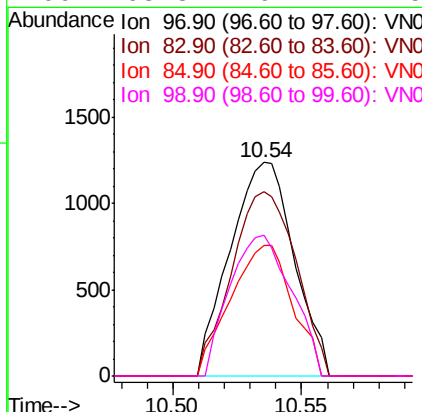
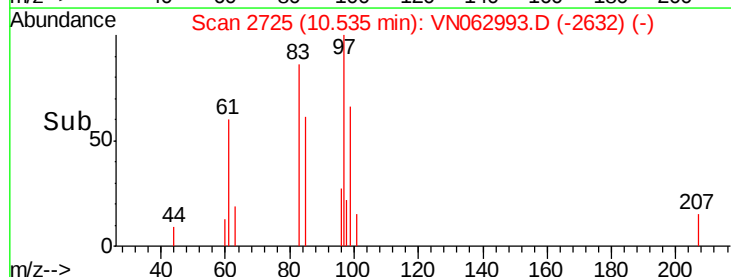
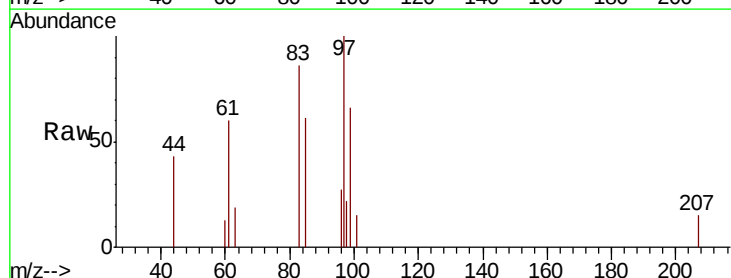
Tot Ion: 75 Resp: 3161
 Ion Ratio Lower Upper
 75 100
 77 31.9 25.4 38.2
 39 41.7 35.7 53.5

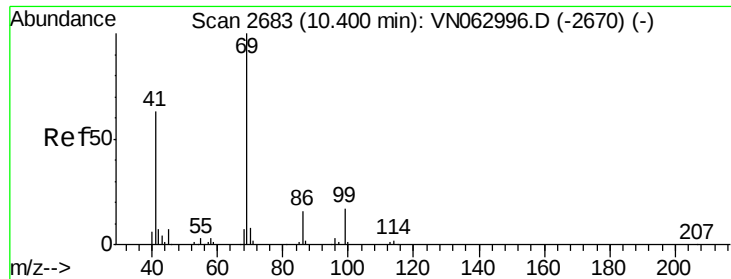


#55

1,1,2-Trichloroethane
 Concen: 1.052 ug/l
 RT: 10.54 min Scan# 2725
 Delta R.T. 0.00 min
 Lab File: VN062993.D
 Acq: 18 Aug 2020 18:41

Tgt Ion: 97 Resp: 2151
 Ion Ratio Lower Upper
 97 100
 83 86.3 70.5 105.7
 85 61.0 45.8 68.6
 99 65.8 49.7 74.5





#56

Ethyl methacrylate

Concen: 0.799 ug/l

RT: 10.40 min Scan# 2684

Delta R.T. 0.00 min

Lab File: VN062993.D

Acq: 18 Aug 2020 18:41

Instrument :

MSVOA_N

ClientSampled :

VSTDIC001

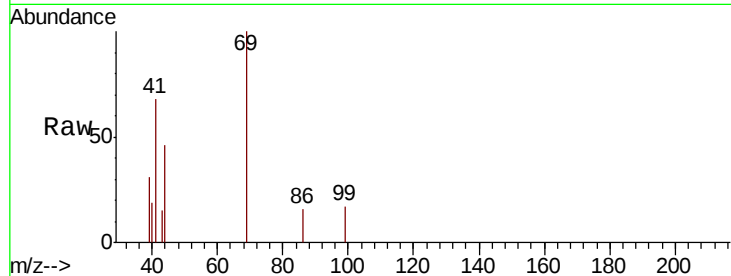
Tot Ion: 69 Resp: 2206

Ion Ratio Lower Upper

69 100

41 60.8 50.2 75.2

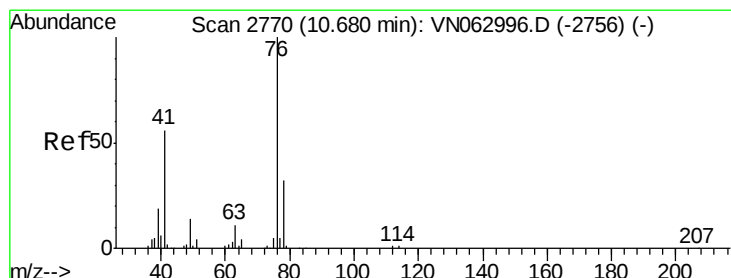
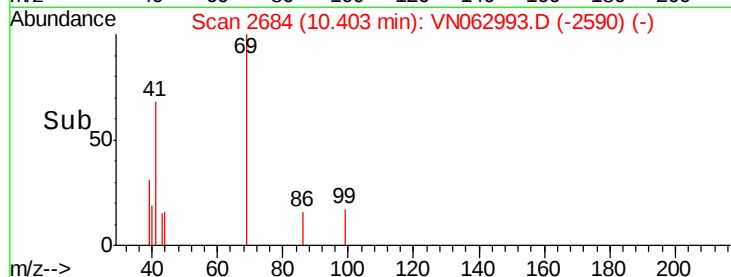
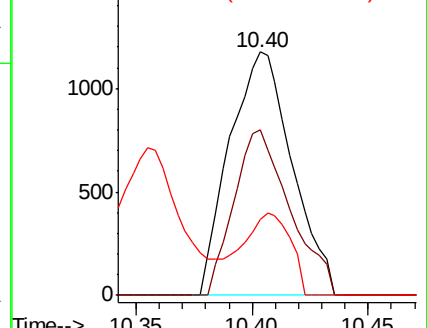
39 25.7 24.2 36.4



Abundance Ion 69.00 (68.70 to 69.70): VN062993.D (-2670) (-)

Ion 41.00 (40.70 to 41.70): VN062993.D (-2670) (-)

Ion 39.00 (38.70 to 39.70): VN062993.D (-2670) (-)



#57

1,3-Dichloropropane

Concen: 1.040 ug/l

RT: 10.68 min Scan# 2770

Delta R.T. 0.00 min

Lab File: VN062993.D

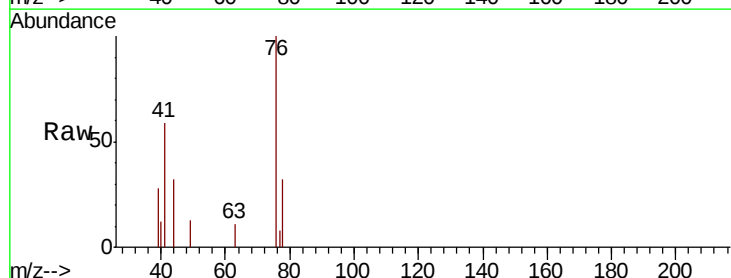
Acq: 18 Aug 2020 18:41

Tgt Ion: 76 Resp: 3530

Ion Ratio Lower Upper

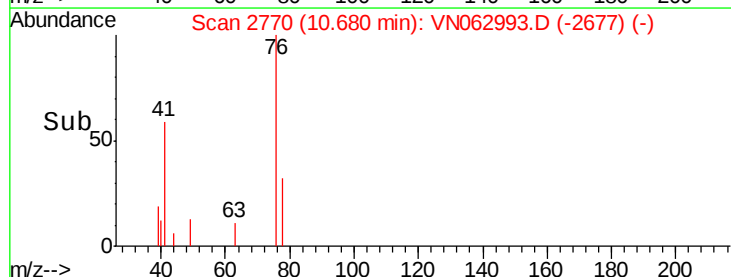
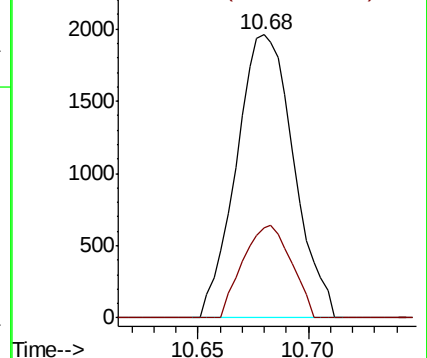
76 100

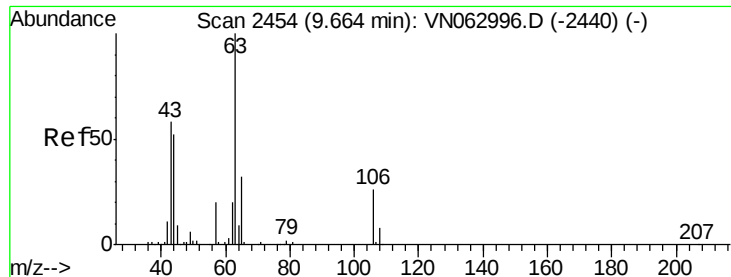
78 27.5 26.1 39.1



Abundance Ion 75.90 (75.60 to 76.60): VN062993.D (-2677) (-)

Ion 77.90 (77.60 to 78.60): VN062993.D (-2677) (-)

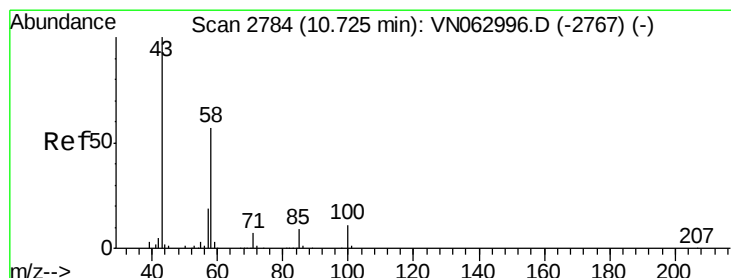
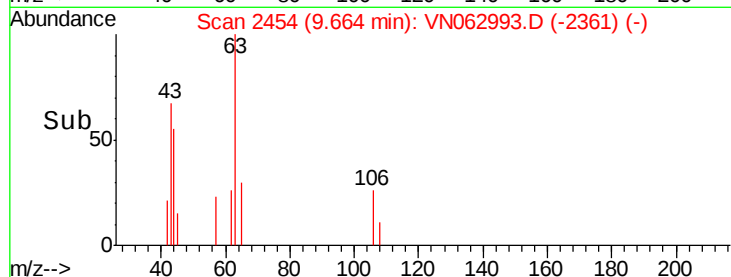
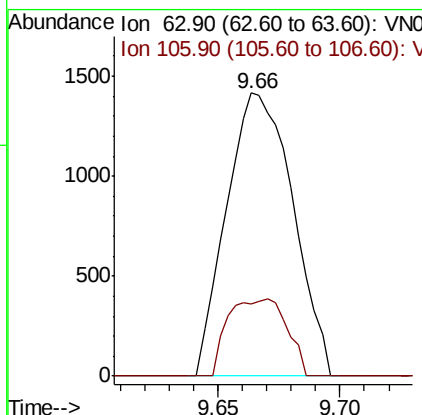
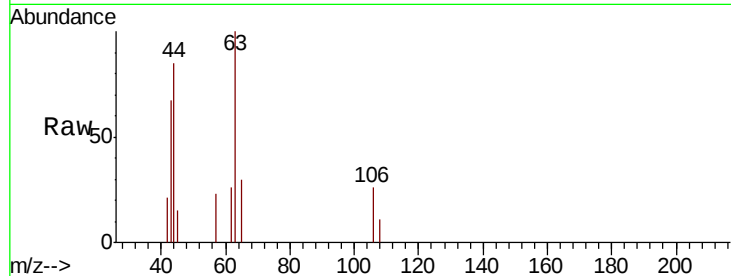




#58
 2-Chloroethyl Vinyl ether
 Concen: 4.039 ug/l
 RT: 9.66 min Scan# 2454
 Delta R.T. 0.00 min
 Lab File: VN062993.D
 Acq: 18 Aug 2020 18:41

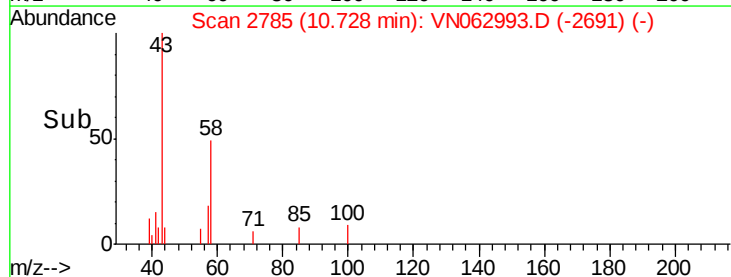
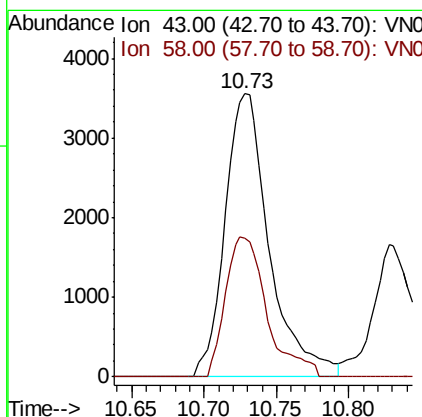
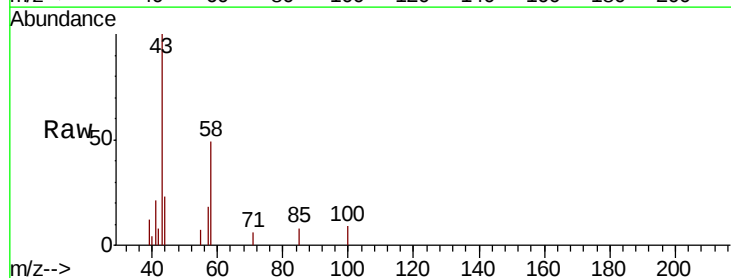
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

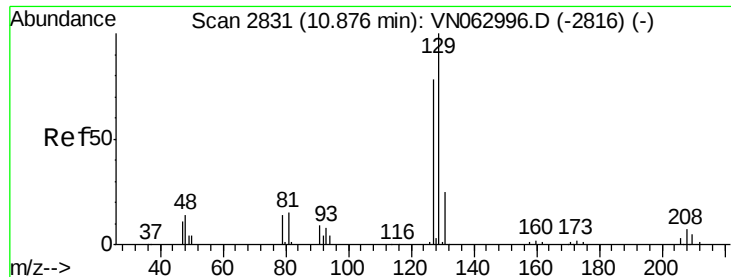
Tot Ion: 63 Resp: 2672
 Ion Ratio Lower Upper
 63 100
 106 24.2 20.7 31.1



#59
 2-Hexanone
 Concen: 4.405 ug/l
 RT: 10.73 min Scan# 2785
 Delta R.T. 0.00 min
 Lab File: VN062993.D
 Acq: 18 Aug 2020 18:41

Tgt Ion: 43 Resp: 7534
 Ion Ratio Lower Upper
 43 100
 58 46.0 28.1 84.3





#60

Dibromochloromethane

Concen: 1.010 ug/l

RT: 10.88 min Scan# 2831

Delta R.T. 0.00 min

Lab File: VN062993.D

Acq: 18 Aug 2020 18:41

Instrument :

MSVOA_N

ClientSampleId :

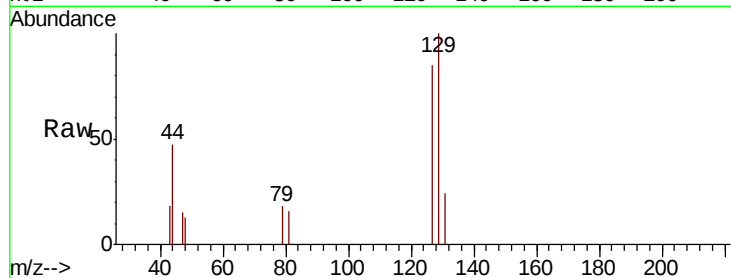
VSTDIC001

Tot Ion:129 Resp: 2284

Ion Ratio Lower Upper

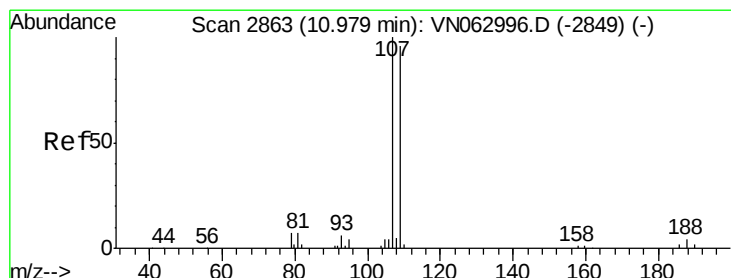
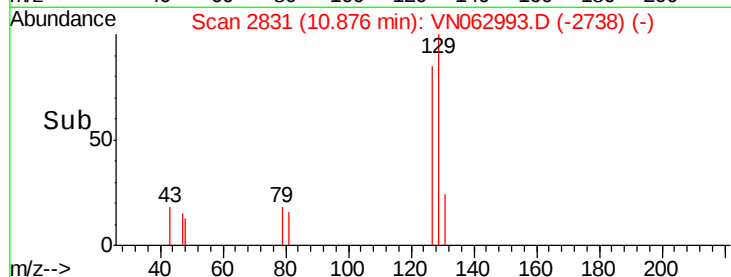
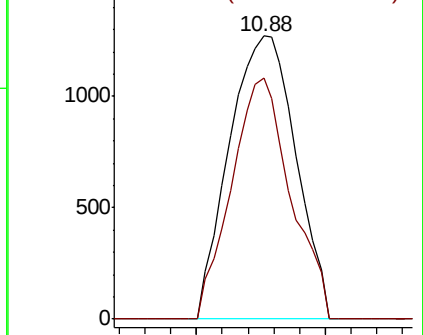
129 100

127 75.9 38.4 115.2



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#61

1,2-Dibromoethane

Concen: 0.921 ug/l

RT: 10.98 min Scan# 2863

Delta R.T. 0.00 min

Lab File: VN062993.D

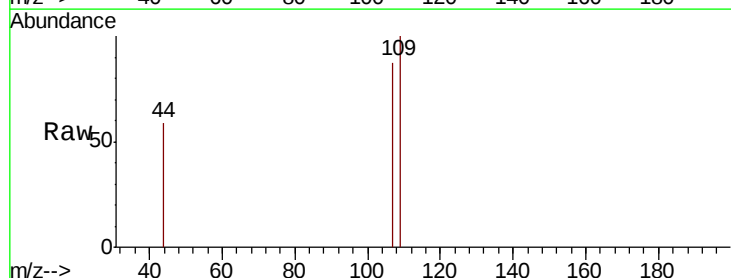
Acq: 18 Aug 2020 18:41

Tgt Ion:107 Resp: 1808

Ion Ratio Lower Upper

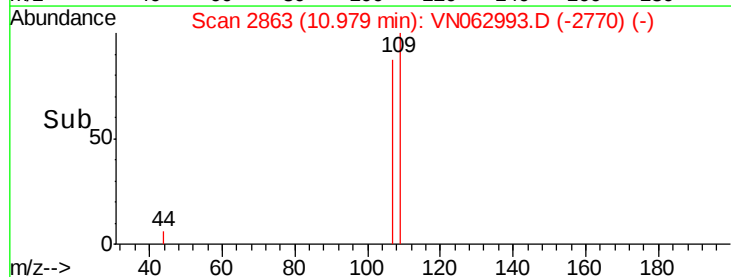
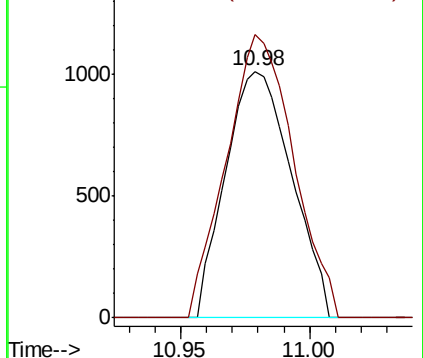
107 100

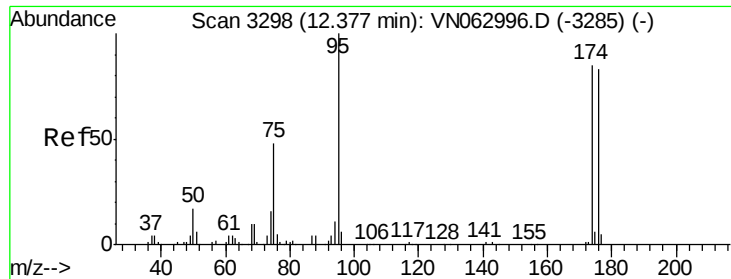
109 116.8 75.7 113.5#



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

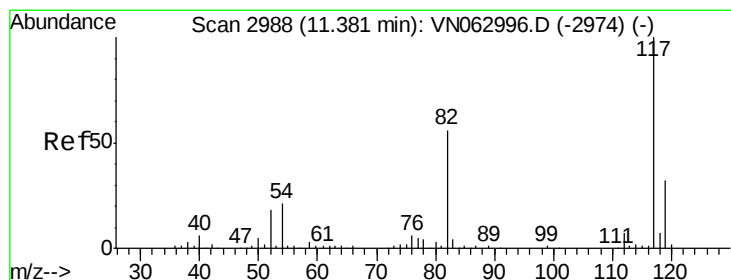
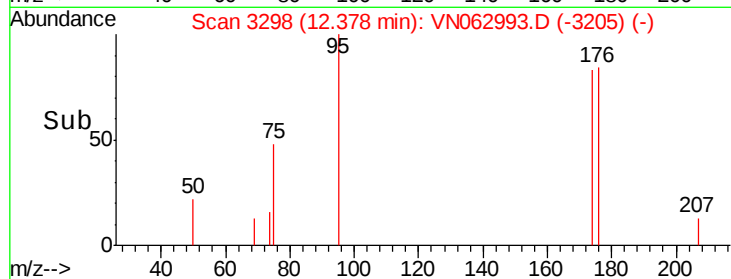
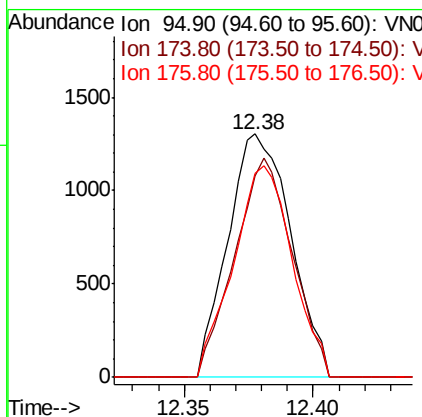
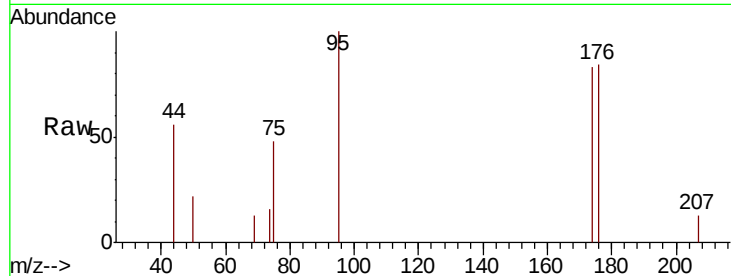




#62
4-Bromofluorobenzene
Concen: 0.884 ug/l
RT: 12.38 min Scan# 3298
Delta R.T. 0.00 min
Lab File: VN062993.D
Acq: 18 Aug 2020 18:41

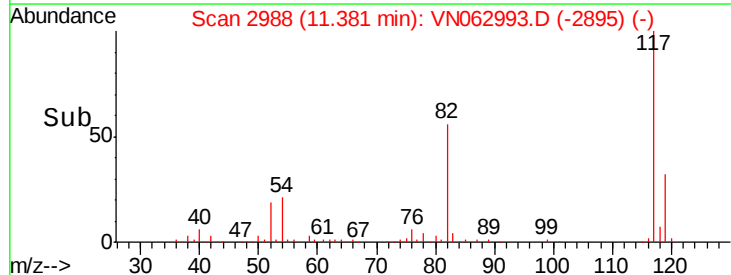
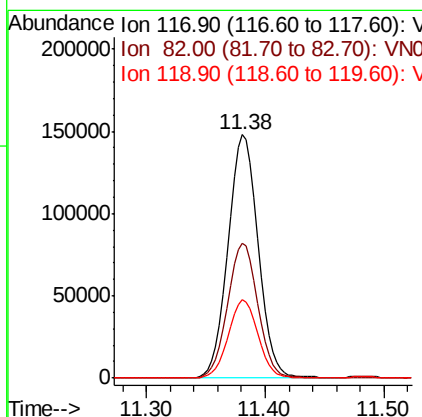
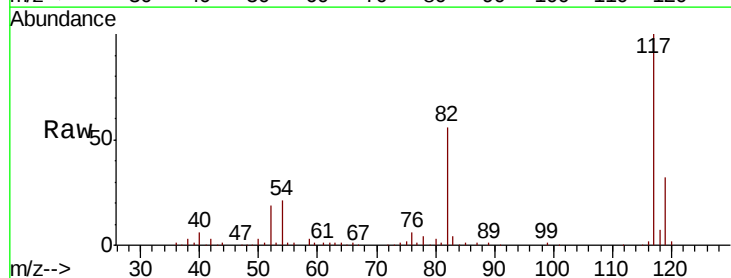
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

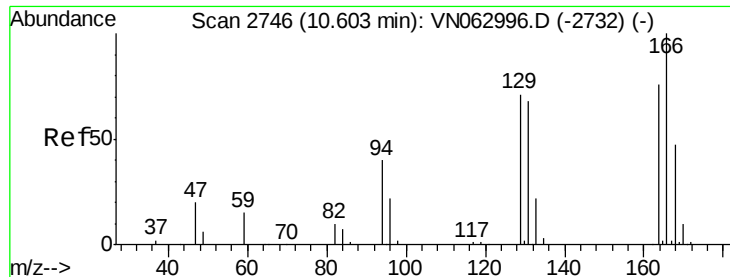
Tot Ion: 95 Resp: 2213
Ion Ratio Lower Upper
95 100
174 82.6 0.0 170.8
176 81.4 0.0 164.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. 0.00 min
Lab File: VN062993.D
Acq: 18 Aug 2020 18:41

Tgt Ion: 117 Resp: 260045
Ion Ratio Lower Upper
117 100
82 55.5 44.5 66.7
119 32.0 25.5 38.3





#64

Tetrachloroethene

Concen: 1.117 ug/l

RT: 10.60 min Scan# 2746

Delta R.T. 0.00 min

Lab File: VN062993.D

Acq: 18 Aug 2020 18:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion:164 Resp: 1909

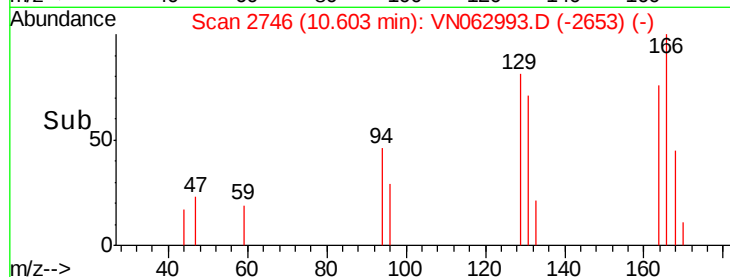
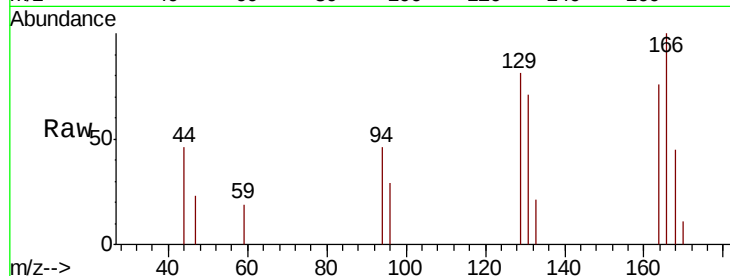
Ion Ratio Lower Upper

164 100

166 131.2 105.0 157.6

129 106.7 74.7 112.1

131 93.2 71.0 106.4

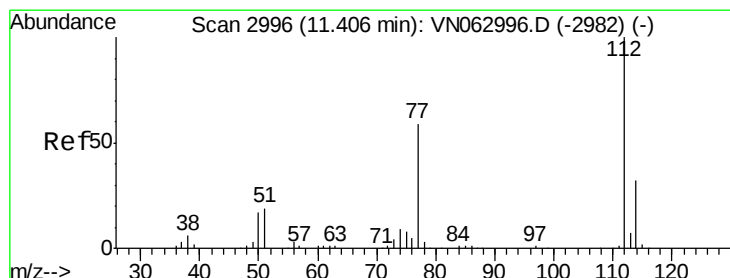
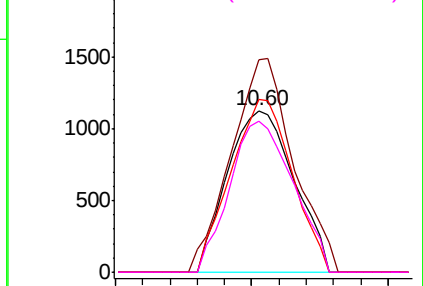


Abundance Ion 163.80 (163.50 to 164.50): V

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: 1.109 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN062993.D

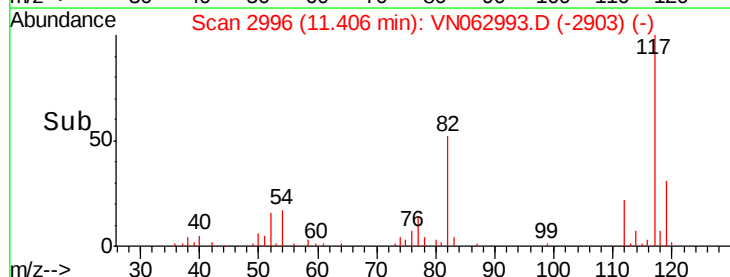
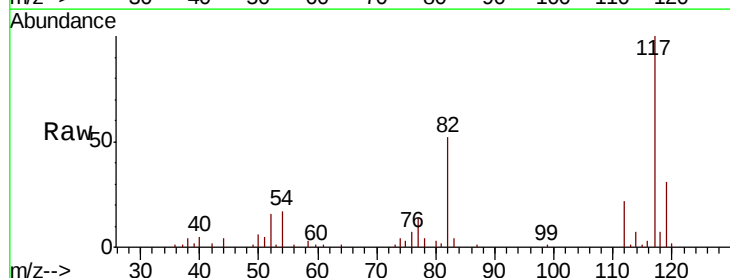
Acq: 18 Aug 2020 18:41

Tgt Ion:112 Resp: 5792

Ion Ratio Lower Upper

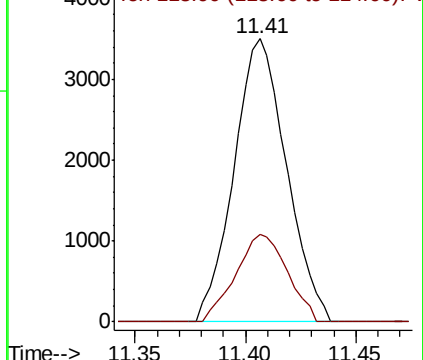
112 100

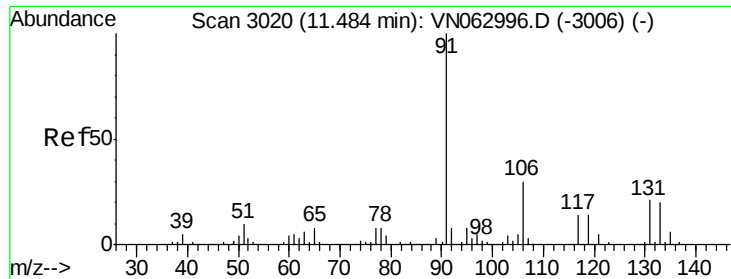
114 30.8 25.3 37.9



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

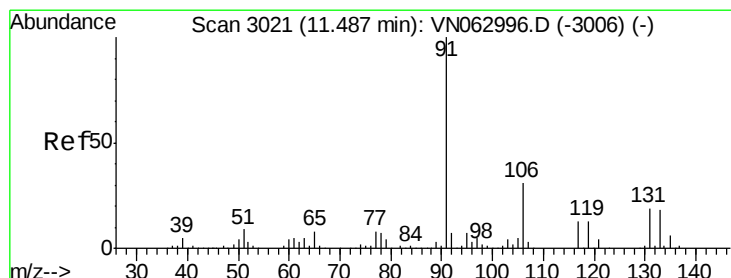
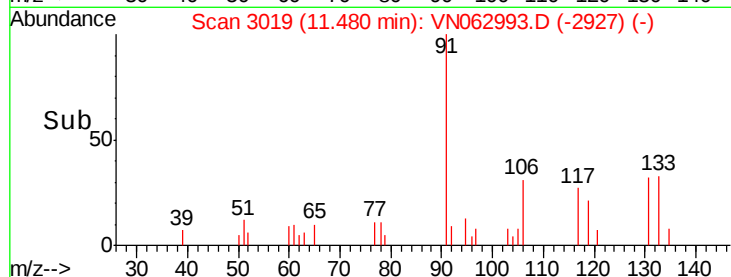
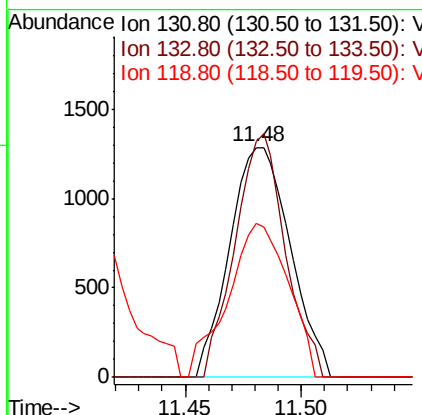
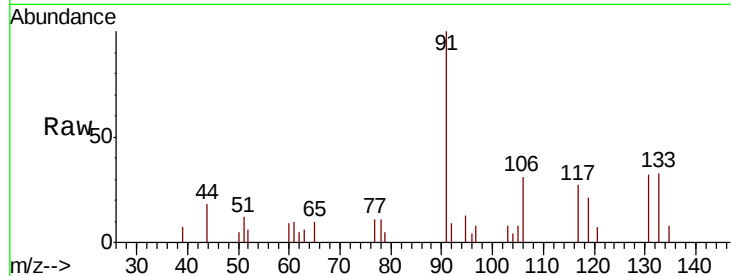




#66
 1,1,1,2-Tetrachloroethane
 Concen: 1.153 ug/l
 RT: 11.48 min Scan# 3019
 Delta R.T. -0.00 min
 Lab File: VN062993.D
 Acq: 18 Aug 2020 18:41

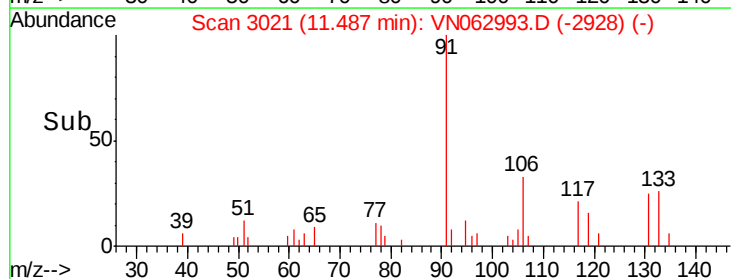
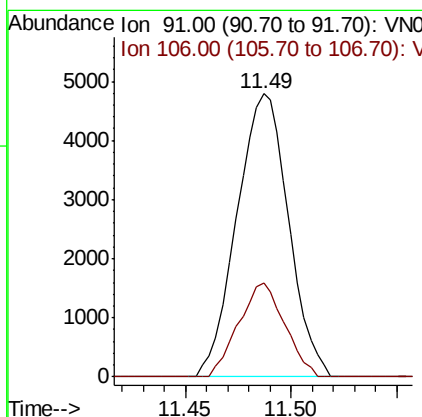
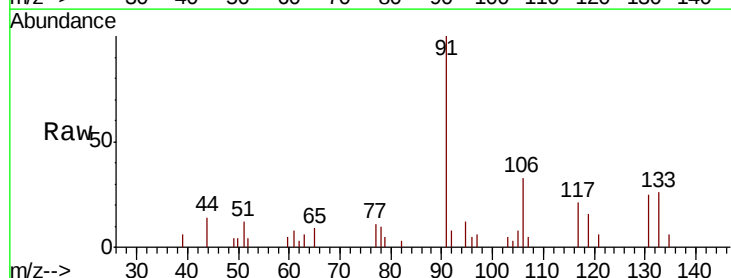
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

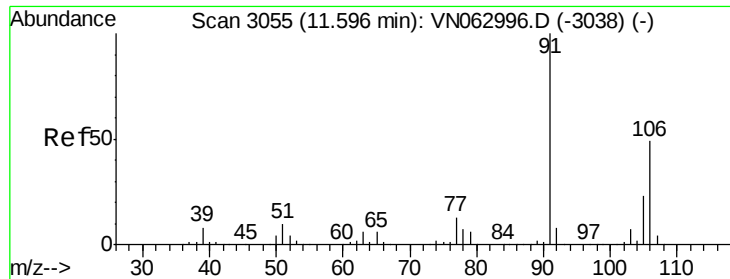
Tot Ion:131 Resp: 2342
 Ion Ratio Lower Upper
 131 100
 133 87.7 47.5 142.6
 119 0.0 33.1 99.3#



#67
 Ethyl Benzene
 Concen: 0.922 ug/l
 RT: 11.49 min Scan# 3021
 Delta R.T. 0.00 min
 Lab File: VN062993.D
 Acq: 18 Aug 2020 18:41

Tgt Ion: 91 Resp: 8138
 Ion Ratio Lower Upper
 91 100
 106 33.4 24.6 37.0

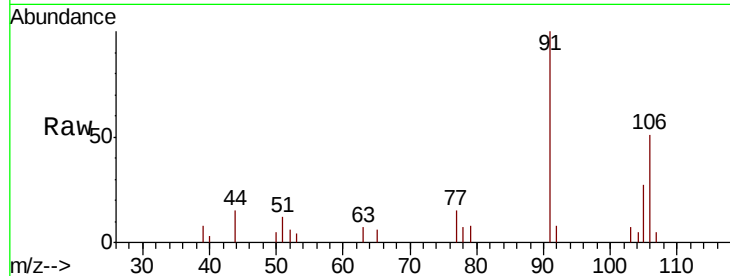




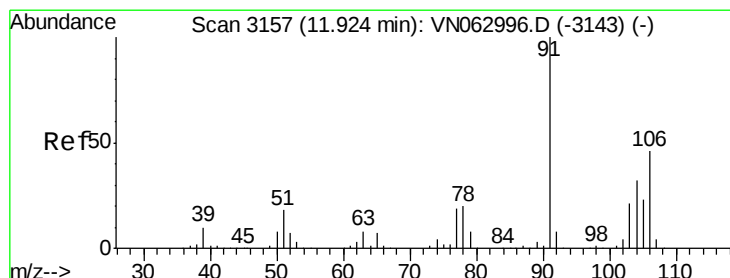
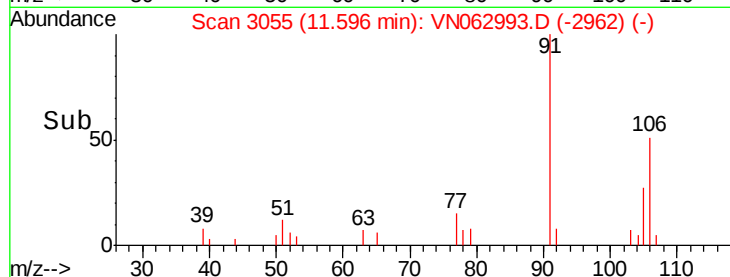
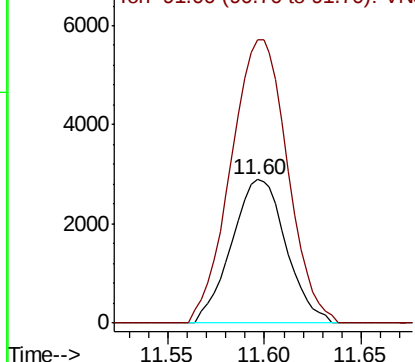
#68
m/p-Xylenes
Concen: 1.724 ug/l
RT: 11.60 min Scan# 3055
Delta R.T. 0.00 min
Lab File: VN062993.D
Acq: 18 Aug 2020 18:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion:106 Resp: 5653
Ion Ratio Lower Upper
106 100
91 205.7 163.0 244.4

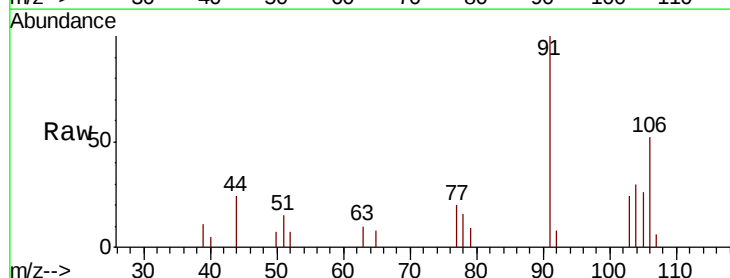


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

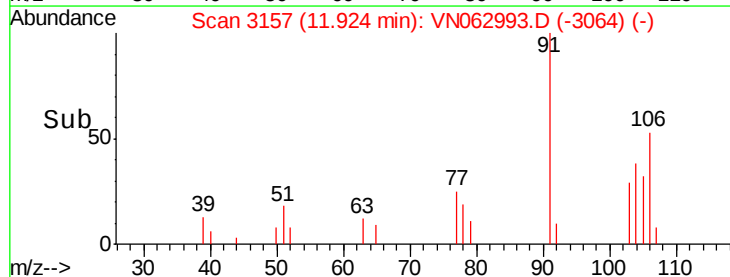
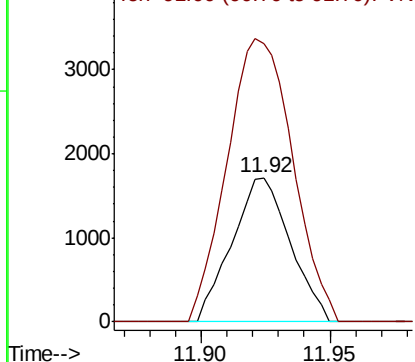


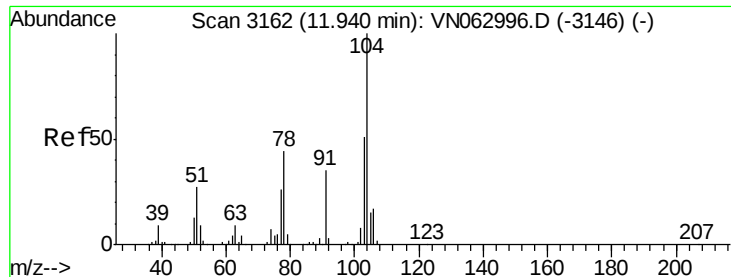
#69
o-Xylene
Concen: 0.857 ug/l
RT: 11.92 min Scan# 3157
Delta R.T. 0.00 min
Lab File: VN062993.D
Acq: 18 Aug 2020 18:41

Tgt Ion:106 Resp: 2699
Ion Ratio Lower Upper
106 100
91 221.6 107.3 321.9



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

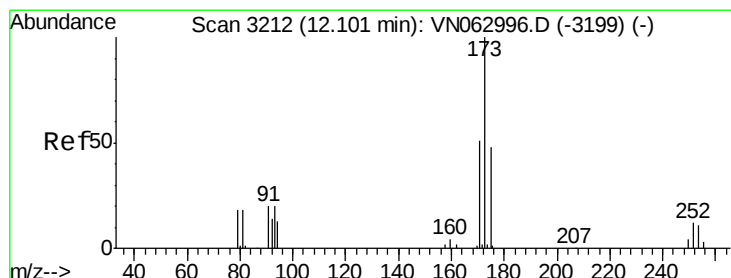
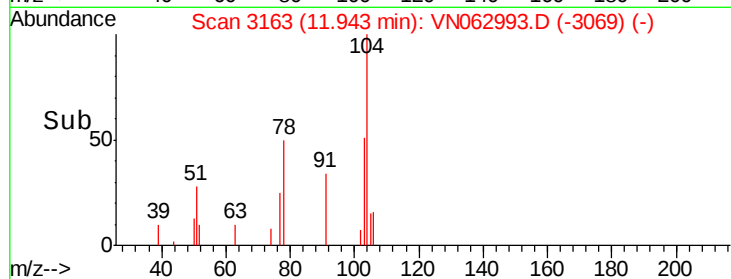
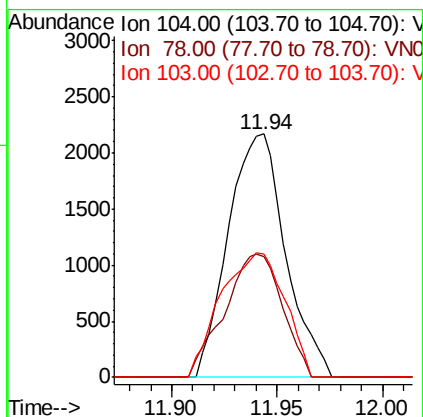
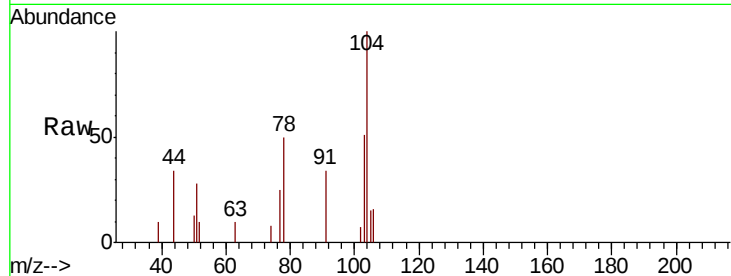




#70
Stvrene
Concen: 0.756 ug/l
RT: 11.94 min Scan# 3163
Delta R.T. 0.00 min
Lab File: VN062993.D
Acq: 18 Aug 2020 18:41

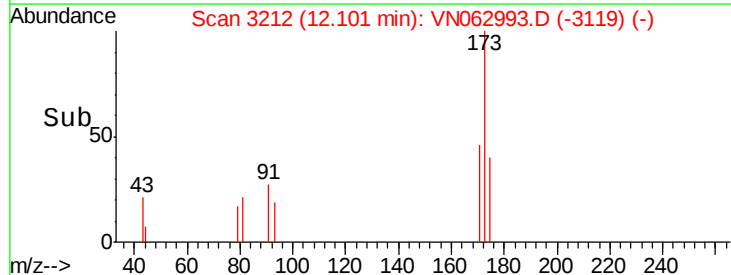
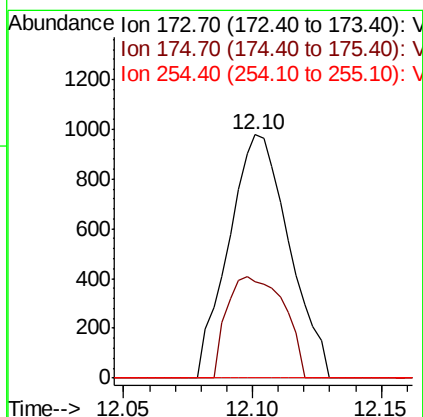
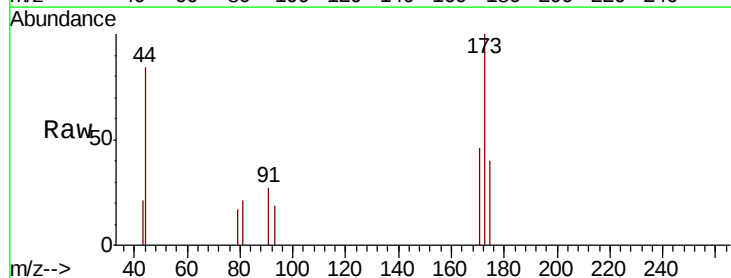
Instrument :
MSVOA_N
ClientSampled :
VSTDIC001

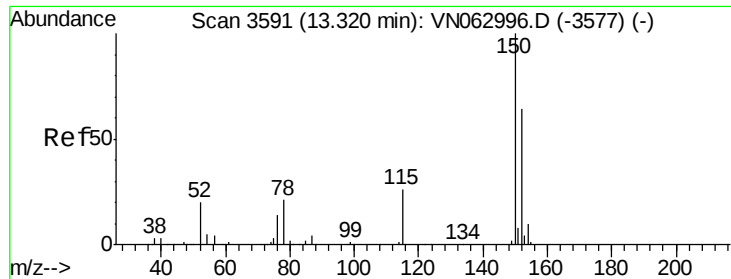
Tot Ion:104 Resp: 4085
Ion Ratio Lower Upper
104 100
78 51.1 39.0 58.6
103 57.0 44.3 66.5



#71
Bromoform
Concen: 0.982 ug/l
RT: 12.10 min Scan# 3212
Delta R.T. 0.00 min
Lab File: VN062993.D
Acq: 18 Aug 2020 18:41

Tgt Ion:173 Resp: 1588
Ion Ratio Lower Upper
173 100
175 39.4 24.3 72.8
254 0.0 0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3591

Delta R.T. 0.00 min

Lab File: VN062993.D

Acq: 18 Aug 2020 18:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

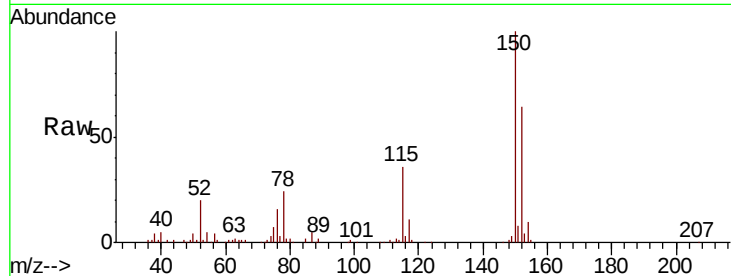
Tot Ion:152 Resp: 96877

Ion Ratio Lower Upper

152 100

115 54.5 28.7 86.3

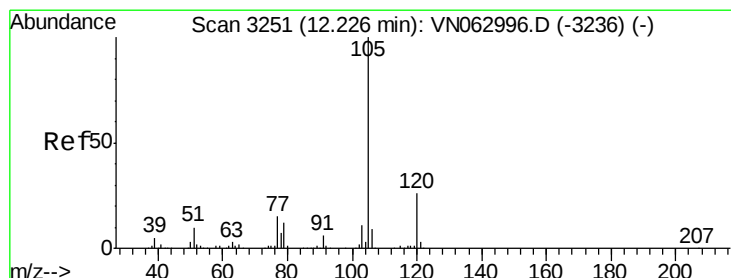
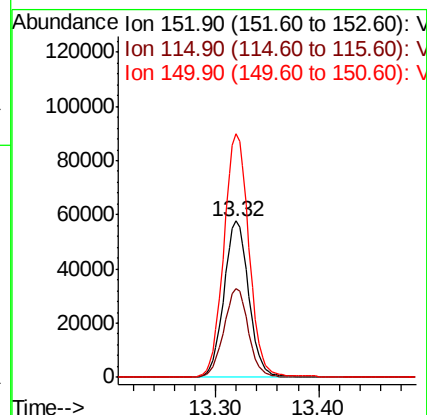
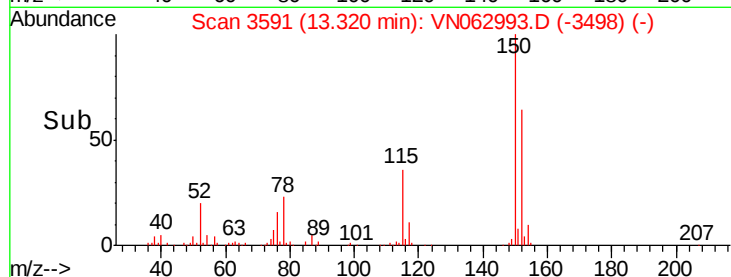
150 158.0 0.0 348.8



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: 1.063 ug/l

RT: 12.23 min Scan# 3251

Delta R.T. 0.00 min

Lab File: VN062993.D

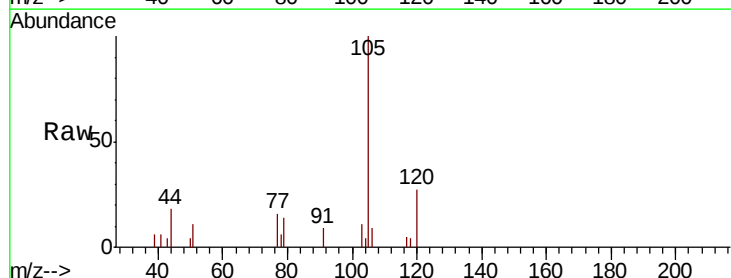
Acq: 18 Aug 2020 18:41

Tgt Ion:105 Resp: 7050

Ion Ratio Lower Upper

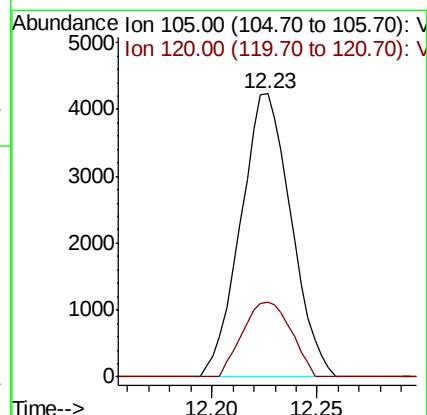
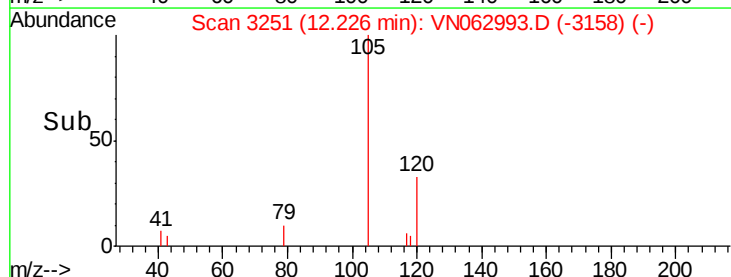
105 100

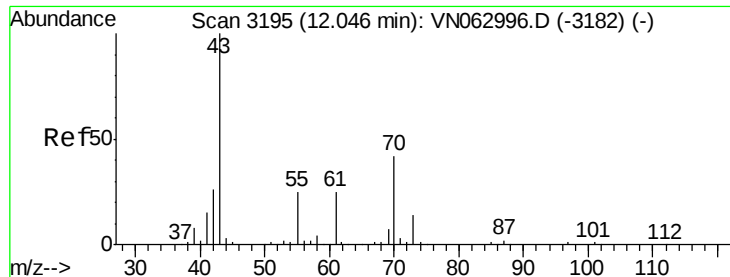
120 25.4 13.2 39.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 0.860 ug/l

RT: 12.05 min Scan# 3196

Delta R.T. 0.00 min

Lab File: VN062993.D

Acq: 18 Aug 2020 18:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion: 43 Resp: 2044

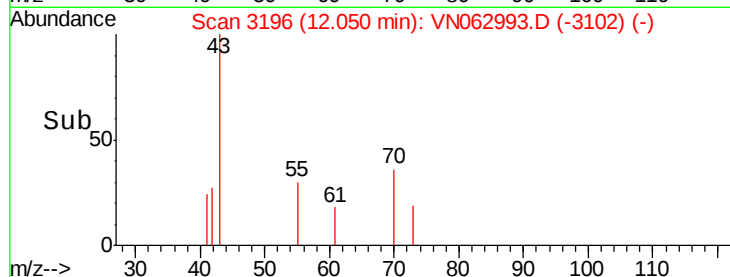
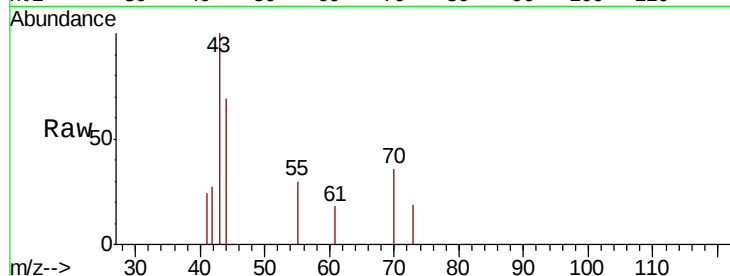
Ion Ratio Lower Upper

43 100

70 24.9 33.4 50.0#

55 21.2 20.2 30.2

61 10.2 19.9 29.9#

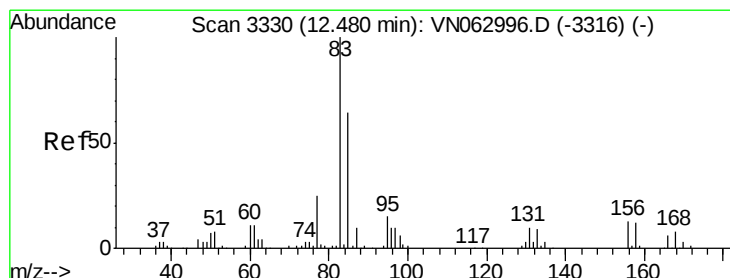
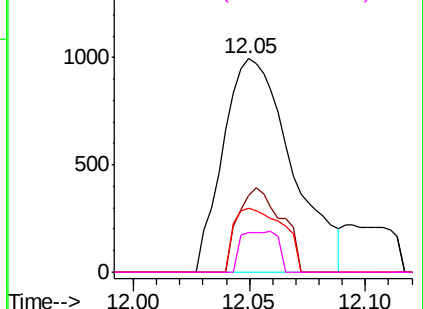


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0



#75

1,1,2,2-Tetrachloroethane

Concen: 1.342 ug/l

RT: 12.48 min Scan# 3331

Delta R.T. 0.00 min

Lab File: VN062993.D

Acq: 18 Aug 2020 18:41

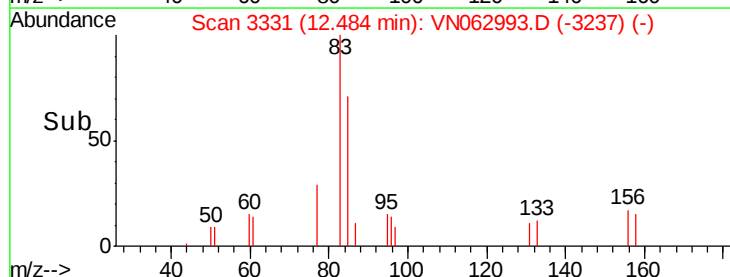
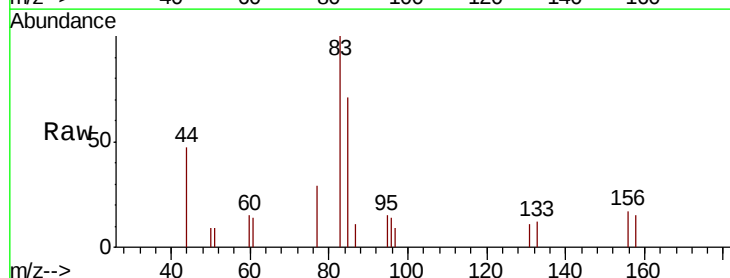
Tgt Ion: 83 Resp: 3176

Ion Ratio Lower Upper

83 100

131 3.4 4.9 14.7#

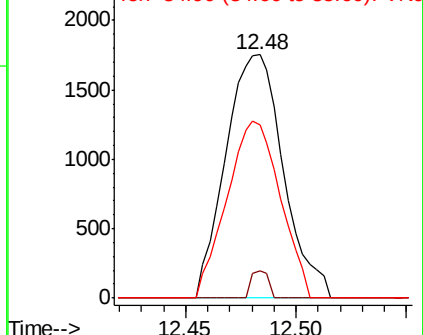
85 67.2 31.9 95.5

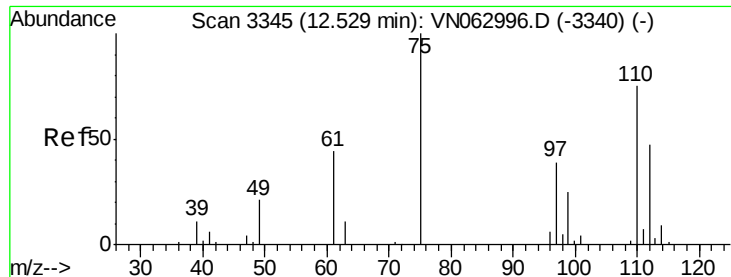


Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VN0





#76

1,2,3-Trichloropropane

Concen: 1.743 ug/l

RT: 12.53 min Scan# 3346

Delta R.T. 0.00 min

Lab File: VN062993.D

Acq: 18 Aug 2020 18:41

Instrument :

MSVOA_N

ClientSampleId :

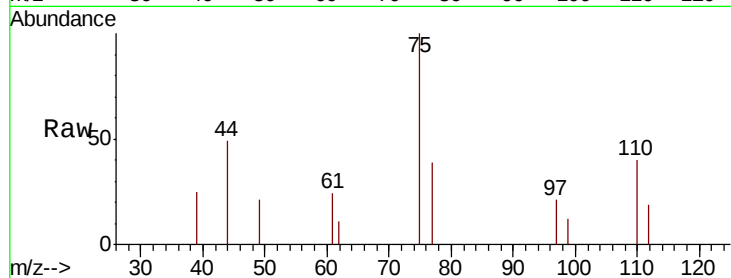
VSTDIC001

Tot Ion: 75 Resp: 3325

Ion Ratio Lower Upper

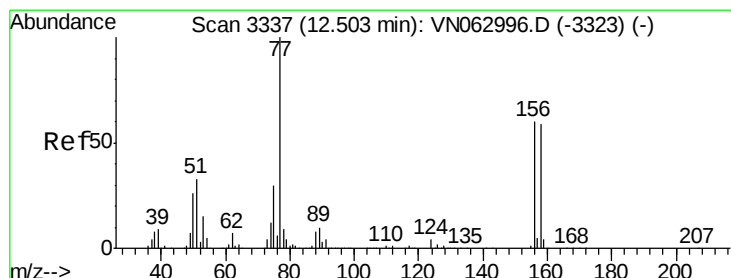
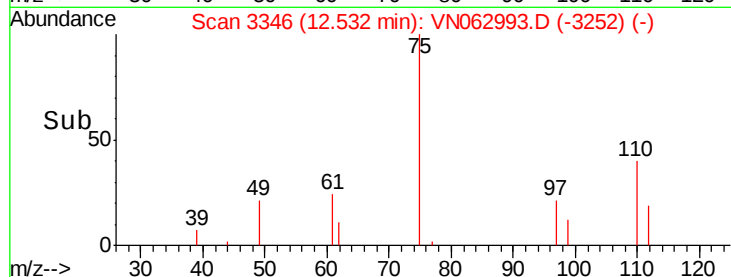
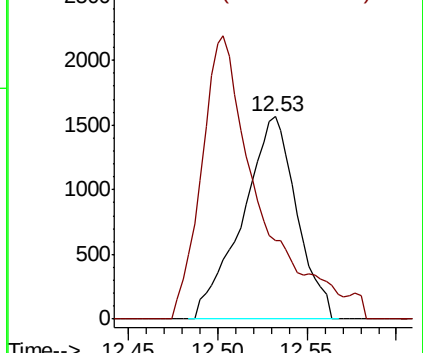
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN062993.D (-3340) (-)

Ion 77.00 (76.70 to 77.70): VN062993.D (-3340) (-)



#77

Bromobenzene

Concen: 1.157 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN062993.D

Acq: 18 Aug 2020 18:41

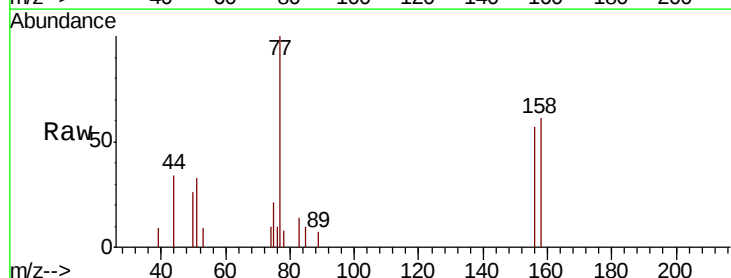
Tgt Ion: 156 Resp: 2111

Ion Ratio Lower Upper

156 100

77 230.0 101.0 302.9

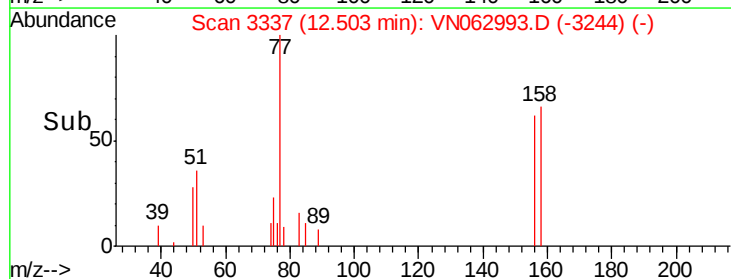
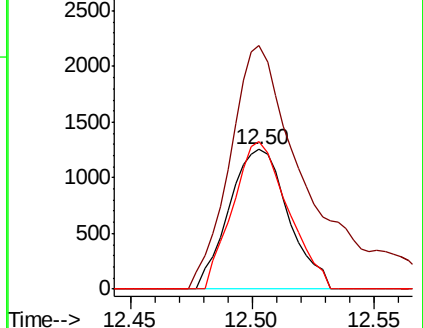
158 98.8 49.4 148.0

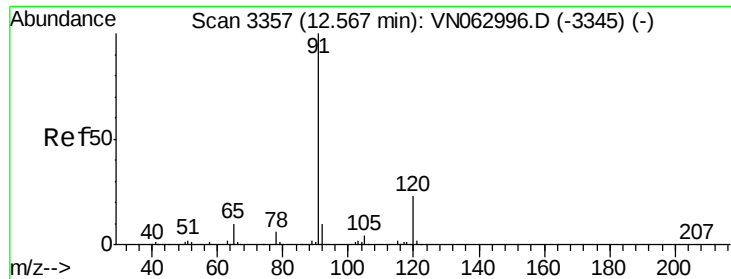


Abundance Ion 155.80 (155.50 to 156.50): VN062993.D (-3323) (-)

Ion 77.00 (76.70 to 77.70): VN062993.D (-3323) (-)

Ion 157.80 (157.50 to 158.50): VN062993.D (-3323) (-)





#78

n-propylbenzene

Concen: 0.900 ug/l

RT: 12.57 min Scan# 3357

Delta R.T. 0.00 min

Lab File: VN062993.D

Acq: 18 Aug 2020 18:41

Instrument :

MSVOA_N

ClientSampleId :

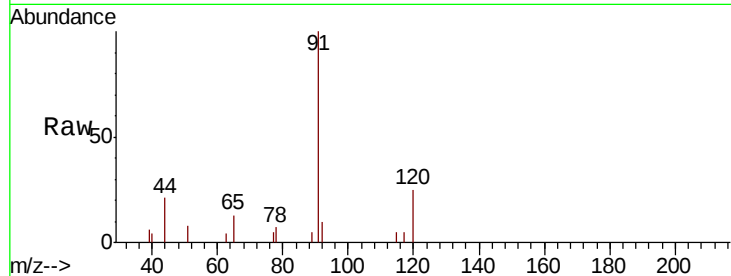
VSTDIC001

Tot Ion: 91 Resp: 6802

Ion Ratio Lower Upper

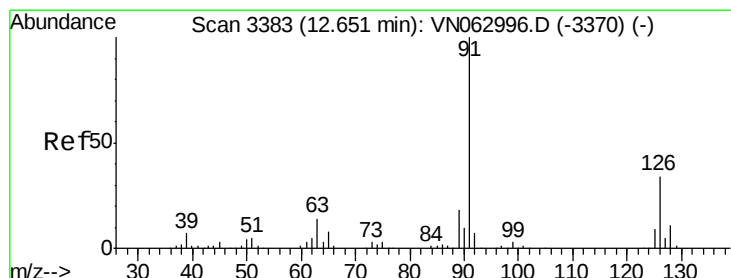
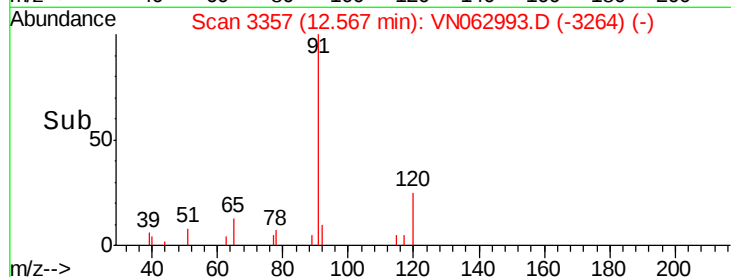
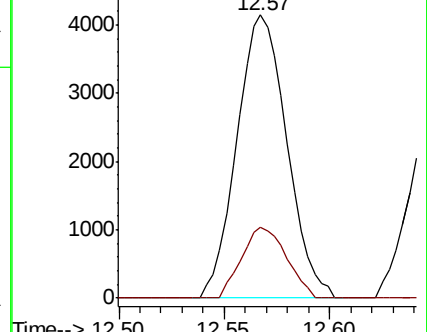
91 100

120 22.4 11.4 34.1



Abundance Ion 91.00 (90.70 to 91.70): VN062993.D (-3345) (-)

Ion 120.00 (119.70 to 120.70): VN062993.D (-3345) (-)



#79

2-Chlorotoluene

Concen: 1.109 ug/l

RT: 12.65 min Scan# 3383

Delta R.T. 0.00 min

Lab File: VN062993.D

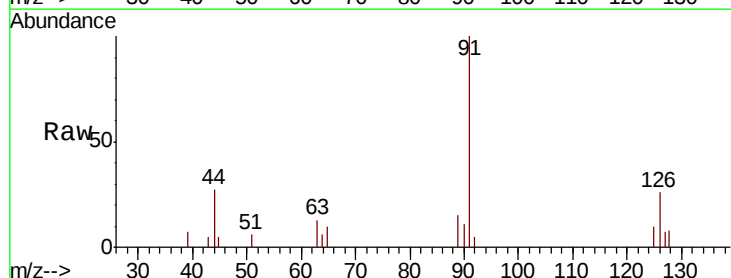
Acq: 18 Aug 2020 18:41

Tgt Ion: 91 Resp: 5276

Ion Ratio Lower Upper

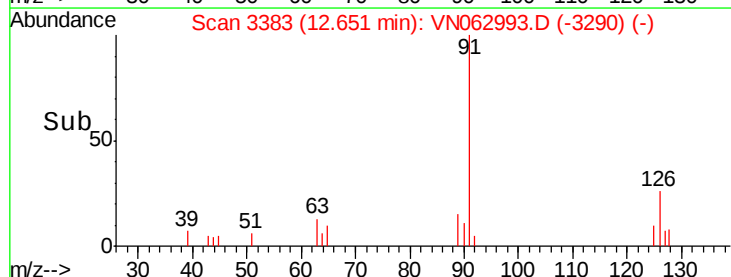
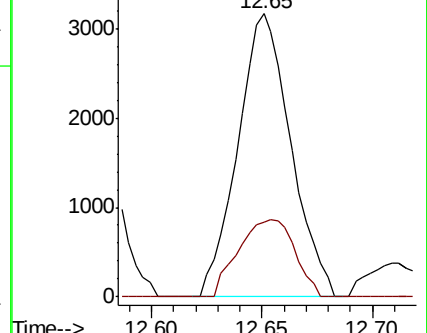
91 100

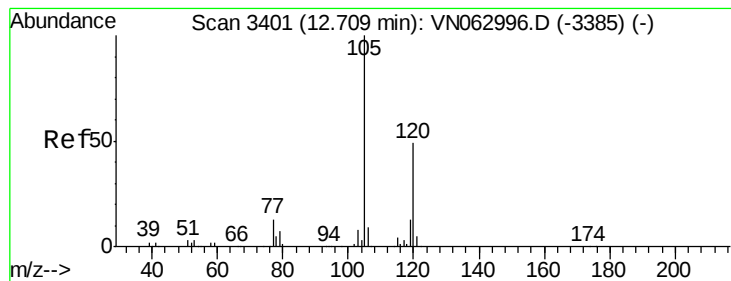
126 29.0 17.1 51.2



Abundance Ion 91.00 (90.70 to 91.70): VN062993.D (-3370) (-)

Ion 125.90 (125.60 to 126.60): VN062993.D (-3370) (-)





#80

1,3,5-Trimethylbenzene

Concen: 0.907 ug/l

RT: 12.71 min Scan# 3401

Delta R.T. 0.00 min

Lab File: VN062993.D

Acq: 18 Aug 2020 18:41

Instrument :

MSVOA_N

ClientSampled :

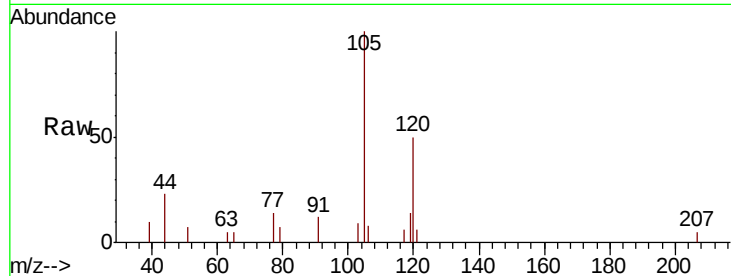
VSTDIC001

Tot Ion:105 Resp: 4974

Ion Ratio Lower Upper

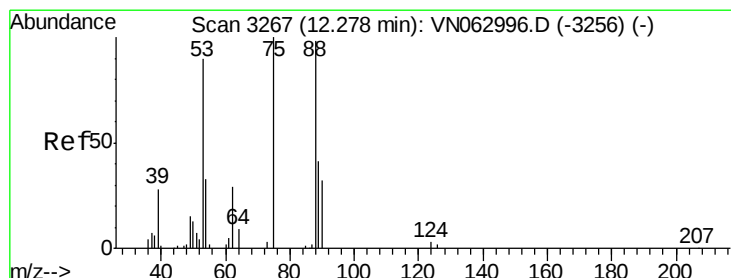
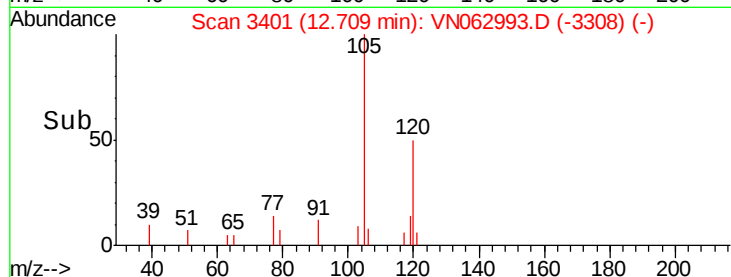
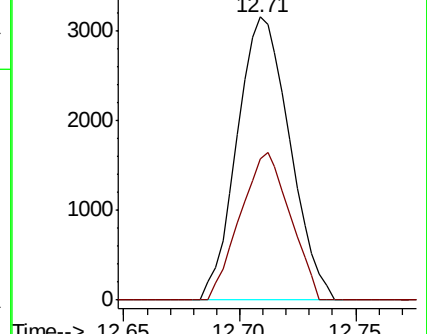
105 100

120 49.4 24.3 72.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#81

trans-1,4-Dichloro-2-butene

Concen: 0.913 ug/l

RT: 12.28 min Scan# 3267

Delta R.T. 0.00 min

Lab File: VN062993.D

Acq: 18 Aug 2020 18:41

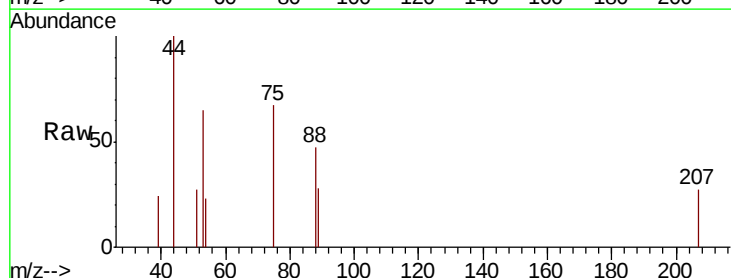
Tgt Ion: 75 Resp: 626

Ion Ratio Lower Upper

75 100

53 96.5 69.2 103.8

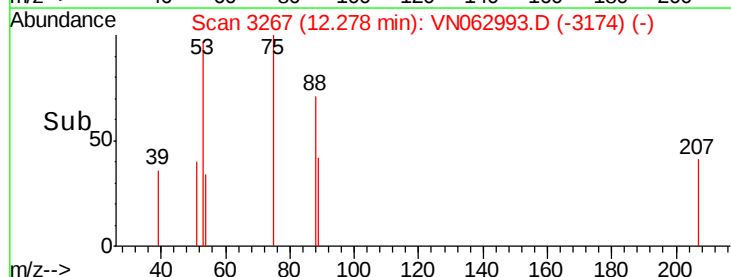
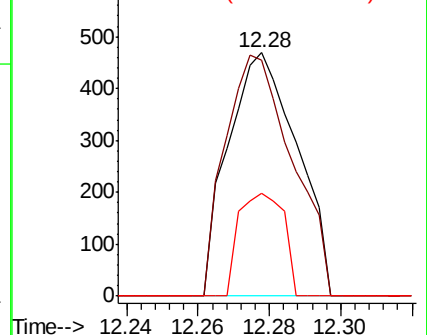
89 27.5 34.2 51.4#

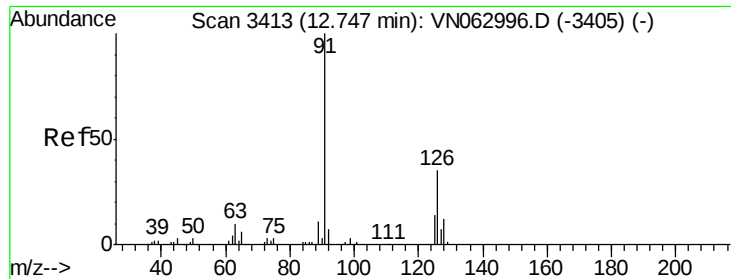


Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO





#82

4-Chlorotoluene

Concen: 1.013 ug/l

RT: 12.75 min Scan# 3414

Delta R.T. 0.00 min

Lab File: VN062993.D

Acq: 18 Aug 2020 18:41

Instrument :

MSVOA_N

ClientSampleId :

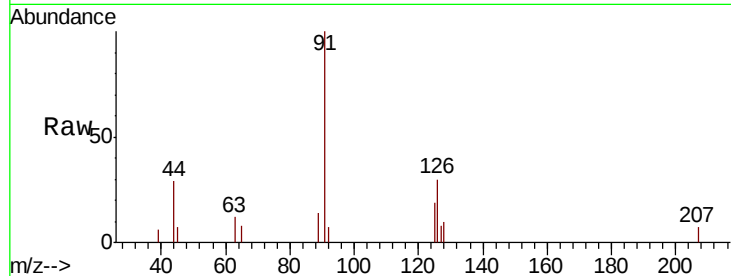
VSTDIC001

Tot Ion: 91 Resp: 4908

Ion Ratio Lower Upper

91 100

126 31.1 16.5 49.5



Abundance Ion 91.00 (90.70 to 91.70): VN062993.D (-3414) (-)

Ion 125.90 (125.60 to 126.60): VN062993.D (-3414) (-)

12.75

3000

2500

2000

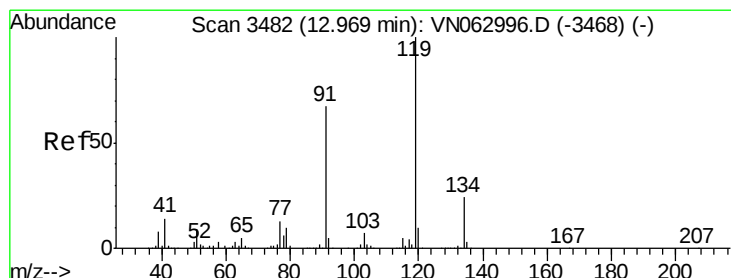
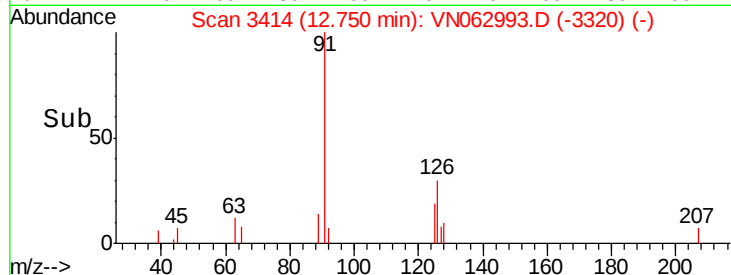
1500

1000

500

0

Time-->



#83

tert-Butylbenzene

Concen: 0.972 ug/l

RT: 12.97 min Scan# 3482

Delta R.T. 0.00 min

Lab File: VN062993.D

Acq: 18 Aug 2020 18:41

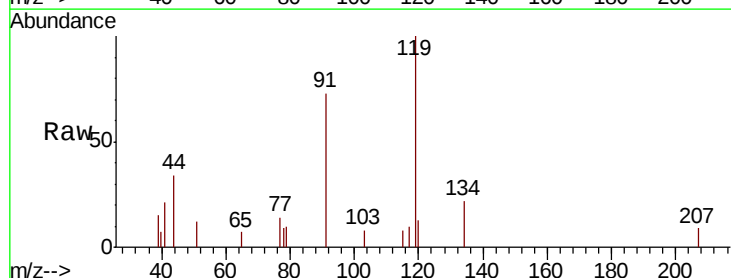
Tgt Ion: 119 Resp: 4603

Ion Ratio Lower Upper

119 100

91 67.6 32.5 97.4

134 19.8 13.1 39.3



Abundance Ion 119.00 (118.70 to 119.70): VN062993.D (-3482) (-)

Ion 91.00 (90.70 to 91.70): VN062993.D (-3482) (-)

Ion 134.00 (133.70 to 134.70): VN062993.D (-3482) (-)

12.97

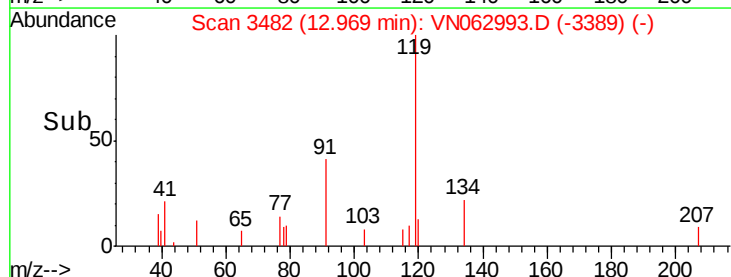
3000

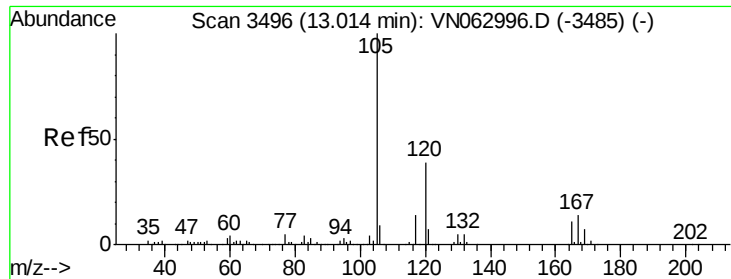
2000

1000

0

Time-->

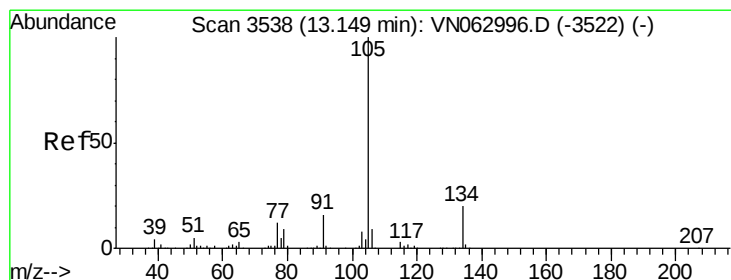
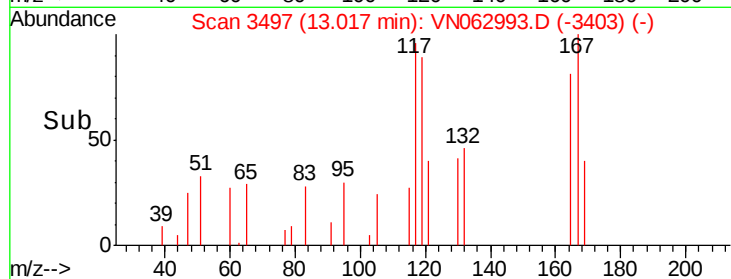
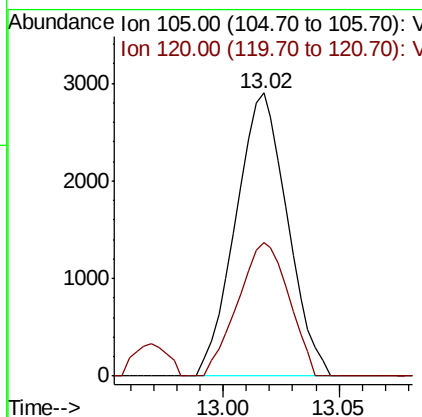
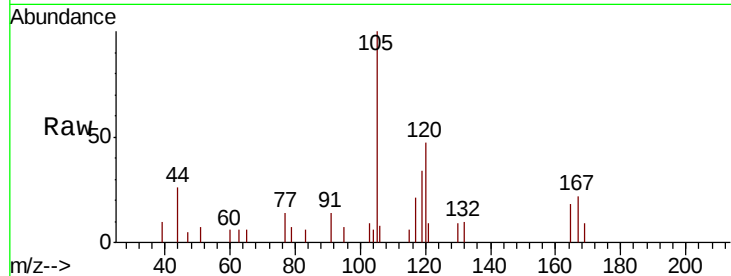




#84
 1,2,4-Trimethylbenzene
 Concen: 0.841 ug/l
 RT: 13.02 min Scan# 3497
 Delta R.T. 0.00 min
 Lab File: VN062993.D
 Acq: 18 Aug 2020 18:41

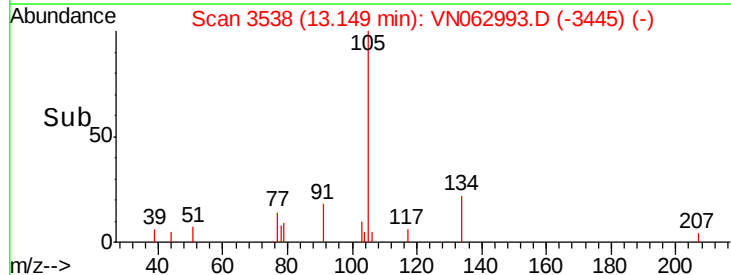
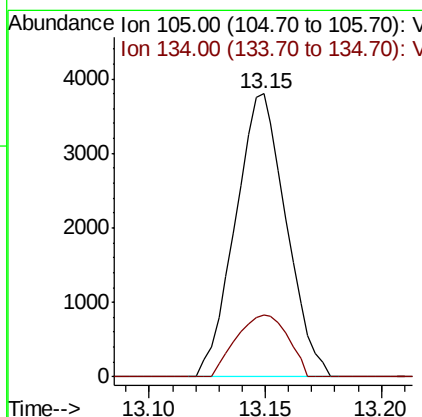
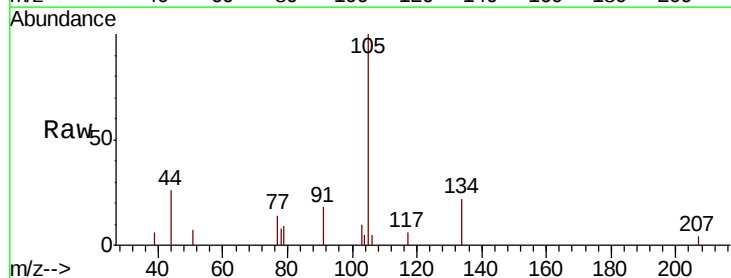
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

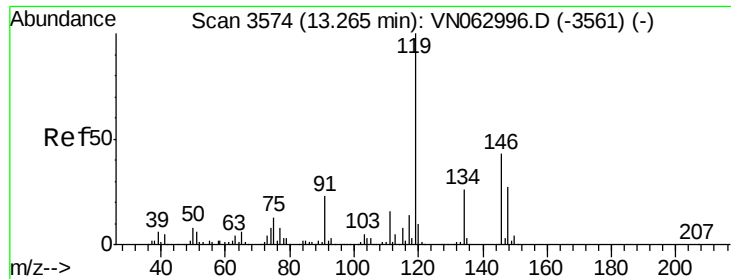
Tot Ion:105 Resp: 4493
 Ion Ratio Lower Upper
 105 100
 120 46.6 22.5 67.5



#85
 sec-Butylbenzene
 Concen: 0.903 ug/l
 RT: 13.15 min Scan# 3538
 Delta R.T. 0.00 min
 Lab File: VN062993.D
 Acq: 18 Aug 2020 18:41

Tgt Ion:105 Resp: 5777
 Ion Ratio Lower Upper
 105 100
 134 22.3 9.8 29.4

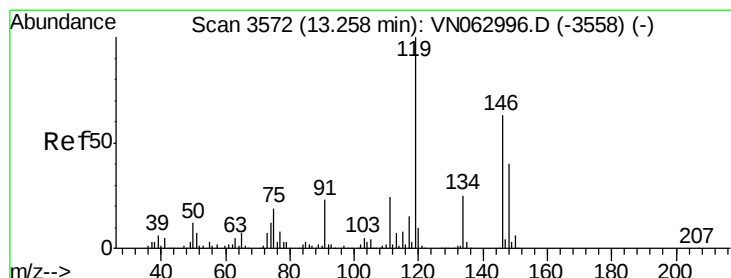
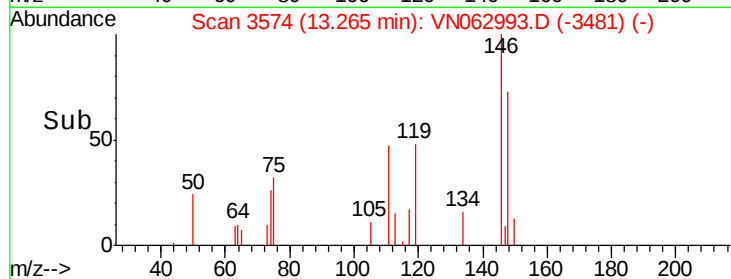
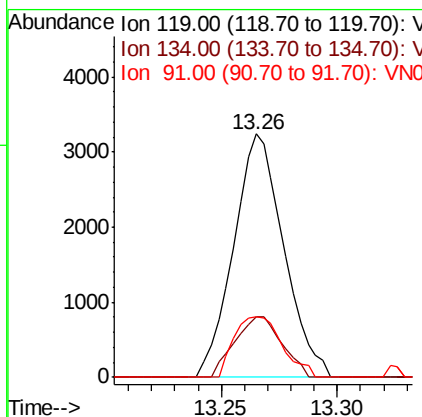
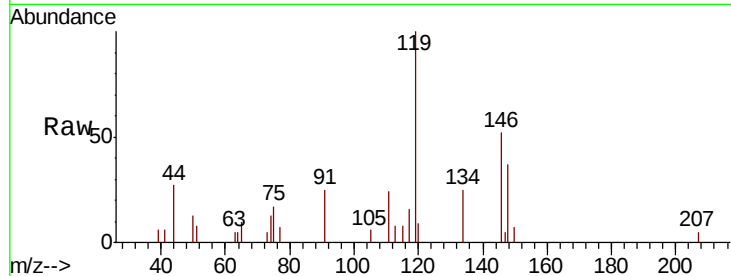




#86
 p-Isopropyltoluene
 Concen: 0.870 ug/l
 RT: 13.26 min Scan# 3574
 Delta R.T. 0.00 min
 Lab File: VN062993.D
 Acq: 18 Aug 2020 18:41

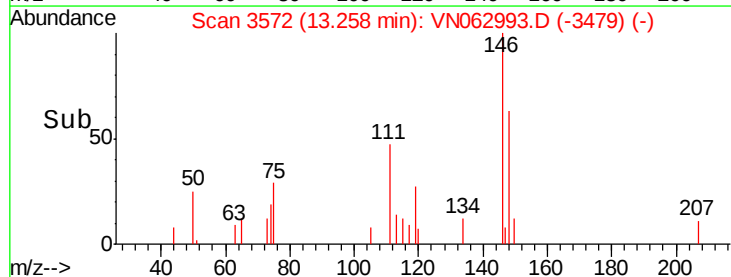
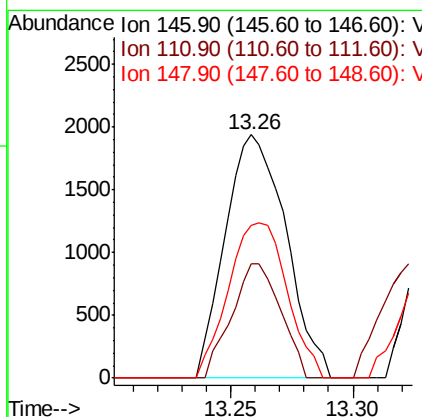
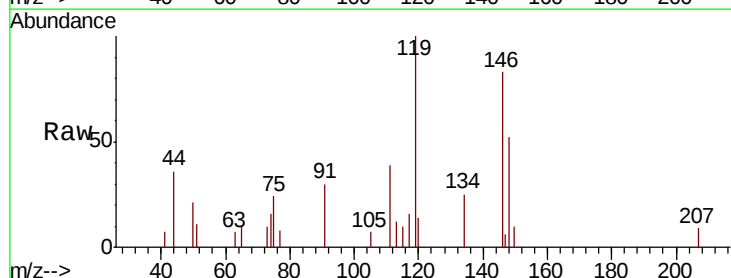
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

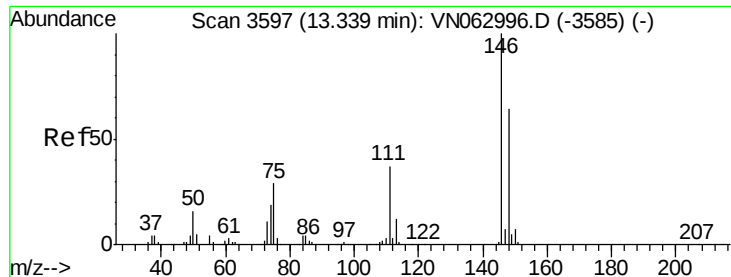
Tot Ion:119 Resp: 4850
 Ion Ratio Lower Upper
 119 100
 134 23.6 13.1 39.3
 91 24.0 11.5 34.4



#87
 1,3-Dichlorobenzene
 Concen: 1.070 ug/l
 RT: 13.26 min Scan# 3572
 Delta R.T. 0.00 min
 Lab File: VN062993.D
 Acq: 18 Aug 2020 18:41

Tgt Ion:146 Resp: 3354
 Ion Ratio Lower Upper
 146 100
 111 38.0 19.4 58.1
 148 61.5 32.0 96.0





#88

1,4-Dichlorobenzene

Concen: 1.054 ug/l

RT: 13.26 min Scan# 3572

Delta R.T. -0.08 min

Lab File: VN062993.D

Acq: 18 Aug 2020 18:41

Instrument :

MSVOA_N

ClientSampled :

VSTDIC001

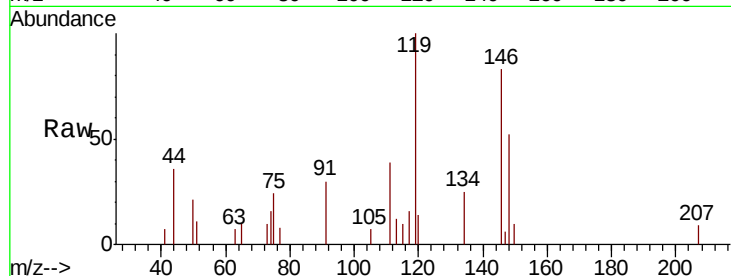
Tot Ion:146 Resp: 3354

Ion Ratio Lower Upper

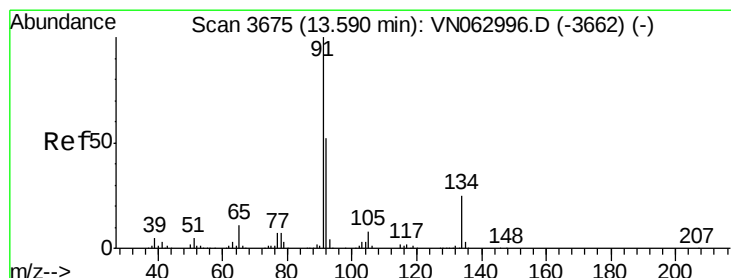
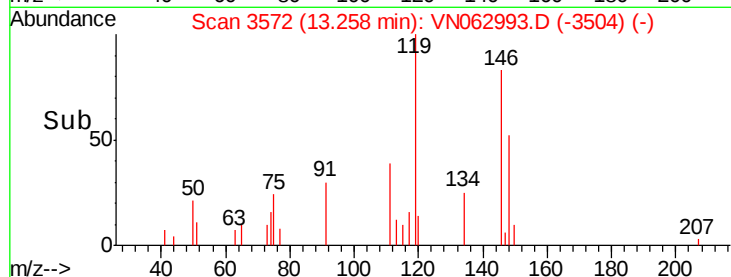
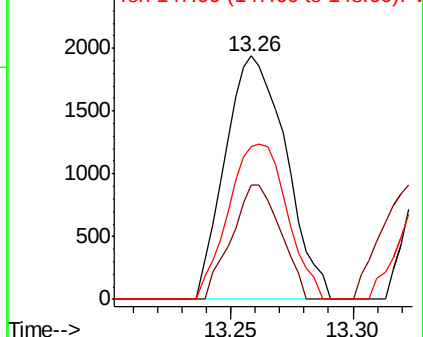
146 100

111 38.0 18.8 56.4

148 61.5 32.4 97.0



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



#89

n-Butylbenzene

Concen: 0.932 ug/l

RT: 13.59 min Scan# 3676

Delta R.T. 0.00 min

Lab File: VN062993.D

Acq: 18 Aug 2020 18:41

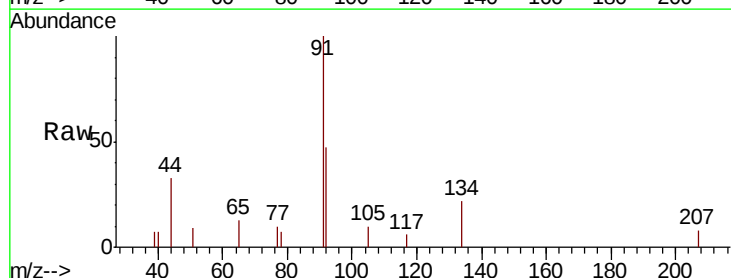
Tgt Ion: 91 Resp: 4384

Ion Ratio Lower Upper

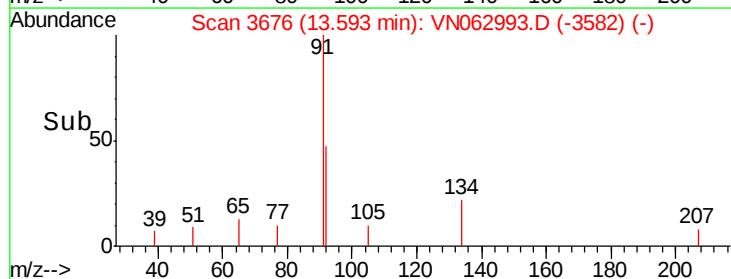
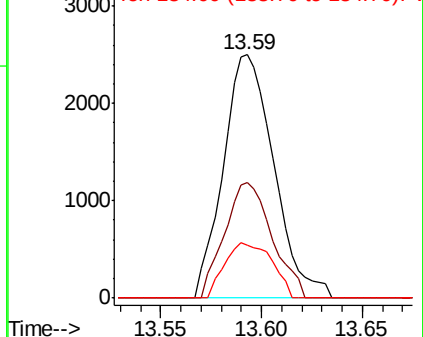
91 100

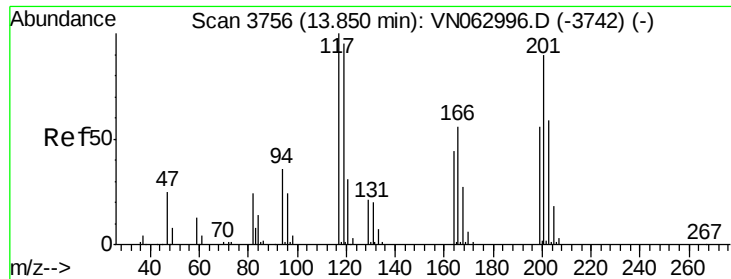
92 44.4 25.9 77.6

134 21.2 12.4 37.0



Abundance Ion 91.00 (90.70 to 91.70): V
Ion 92.00 (91.70 to 92.70): V
Ion 134.00 (133.70 to 134.70): V

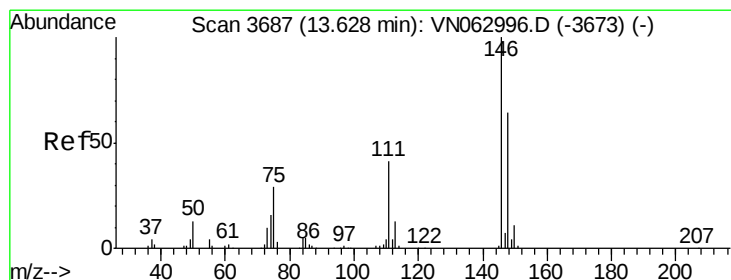
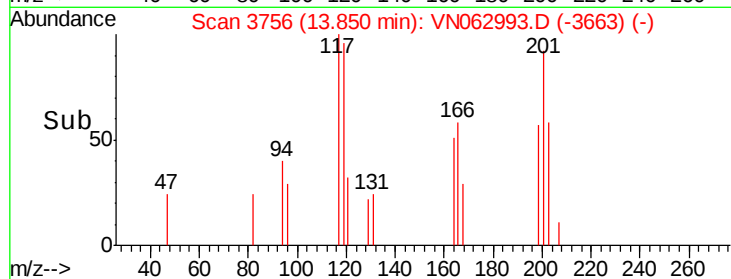
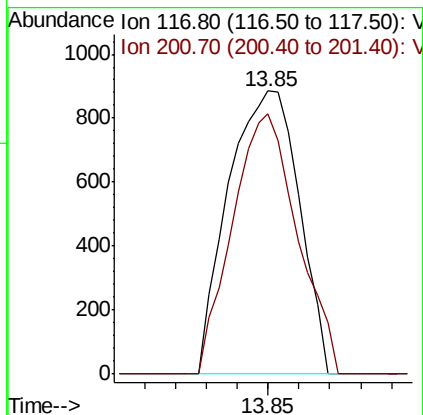
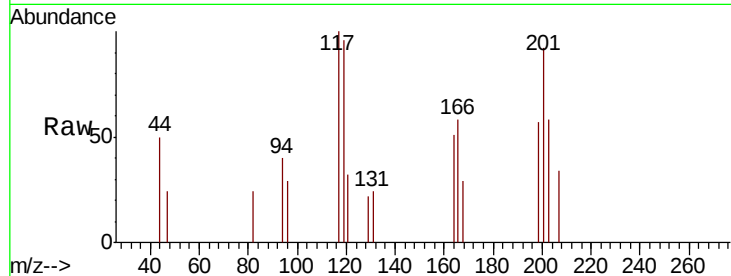




#90
Hexachloroethane
Concen: 1.188 ug/l
RT: 13.85 min Scan# 3756
Delta R.T. 0.00 min
Lab File: VN062993.D
Acq: 18 Aug 2020 18:41

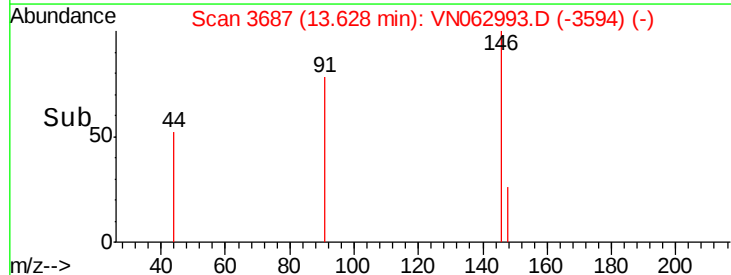
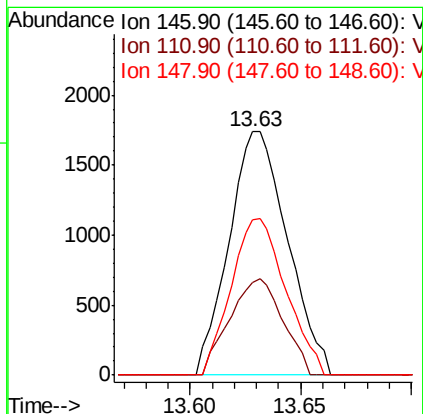
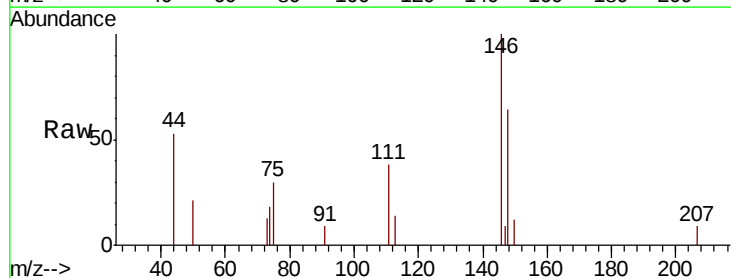
Instrument :
MSVOA_N
ClientSampled :
VSTDIC001

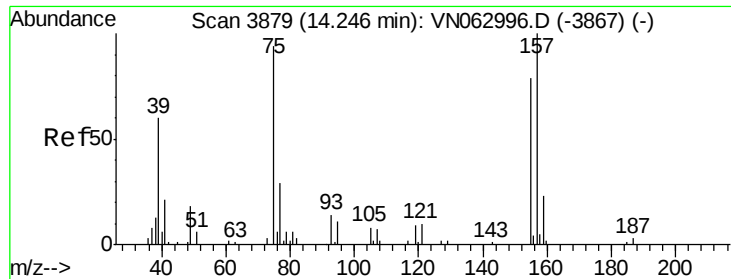
Tot Ion:117 Resp: 1407
Ion Ratio Lower Upper
117 100
201 84.4 44.1 132.4



#91
1,2-Dichlorobenzene
Concen: 1.055 ug/l
RT: 13.63 min Scan# 3687
Delta R.T. 0.00 min
Lab File: VN062993.D
Acq: 18 Aug 2020 18:41

Tgt Ion:146 Resp: 3195
Ion Ratio Lower Upper
146 100
111 35.8 20.2 60.5
148 60.2 31.9 95.5





#92

1,2-Dibromo-3-Chloropropane

Concen: 0.754 ug/l

RT: 14.25 min Scan# 3881

Delta R.T. 0.01 min

Lab File: VN062993.D

Acq: 18 Aug 2020 18:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

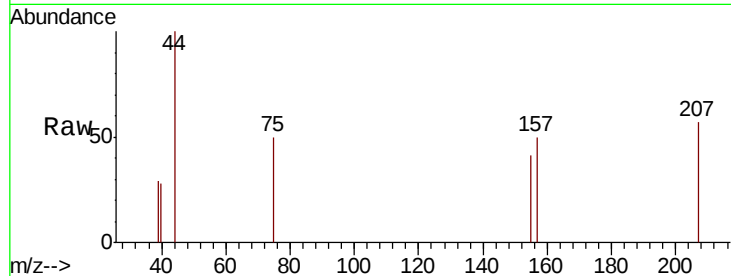
Tot Ion: 75 Resp: 252

Ion Ratio Lower Upper

75 100

155 75.8 42.4 127.1

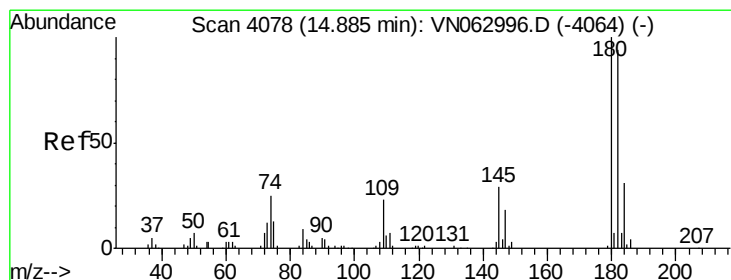
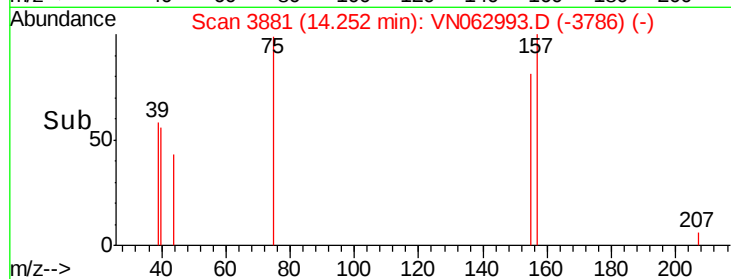
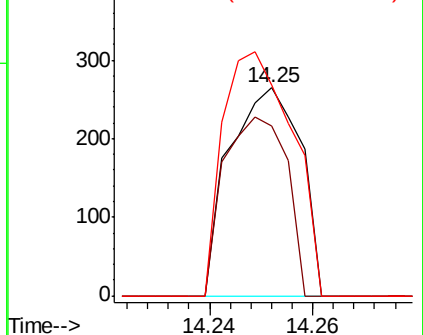
157 114.7 55.2 165.6



Abundance Ion 74.90 (74.60 to 75.60): VN062993.D (-3867) (-)

Ion 154.80 (154.50 to 155.50): VN062993.D (-3867) (-)

Ion 156.80 (156.50 to 157.50): VN062993.D (-3867) (-)



#93

1,2,4-Trichlorobenzene

Concen: 0.639 ug/l

RT: 14.88 min Scan# 4077

Delta R.T. -0.00 min

Lab File: VN062993.D

Acq: 18 Aug 2020 18:41

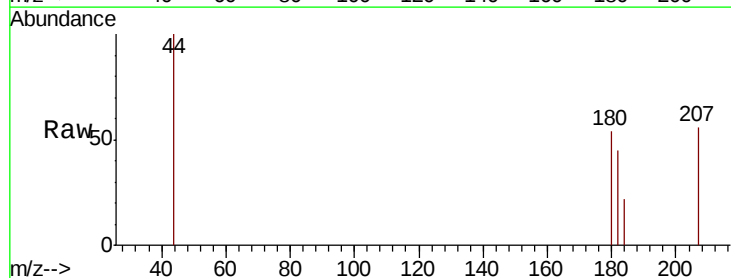
Tgt Ion: 180 Resp: 846

Ion Ratio Lower Upper

180 100

182 95.5 47.0 141.2

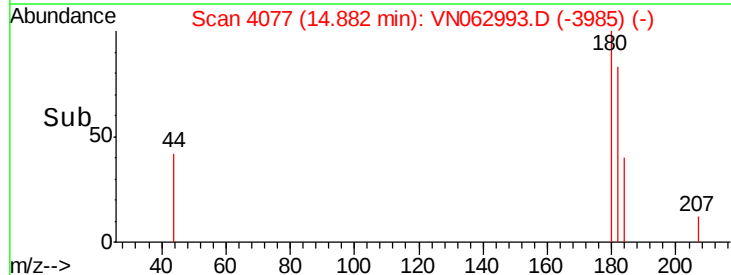
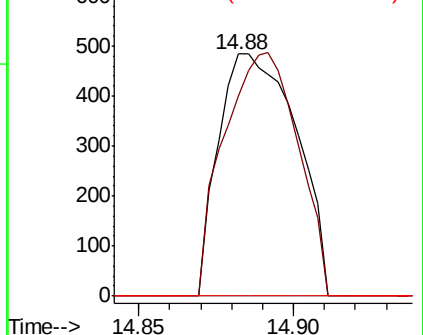
145 0.0 14.1 42.4#

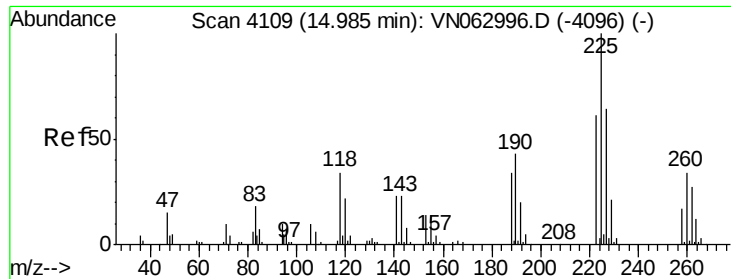


Abundance Ion 179.80 (179.50 to 180.50): VN062993.D (-3985) (-)

Ion 181.80 (181.50 to 182.50): VN062993.D (-3985) (-)

Ion 144.80 (144.50 to 145.50): VN062993.D (-3985) (-)





#94

Hexachlorobutadiene

Concen: 1.248 ug/l

RT: 14.98 min Scan# 4108

Delta R.T. -0.00 min

Lab File: VN062993.D

Acq: 18 Aug 2020 18:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

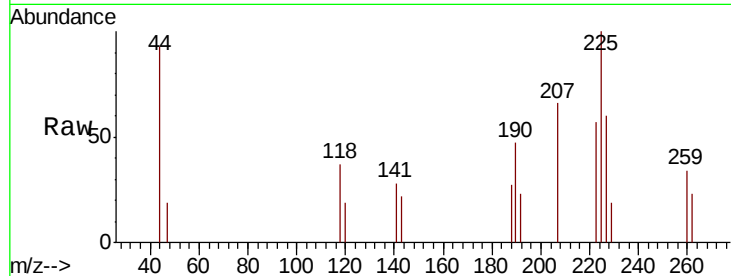
Tot Ion:225 Resp: 1397

Ion Ratio Lower Upper

225 100

223 58.4 30.9 92.5

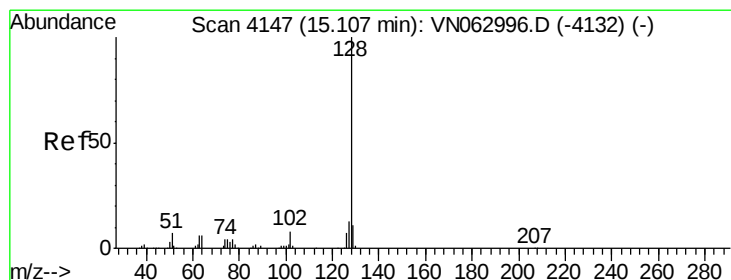
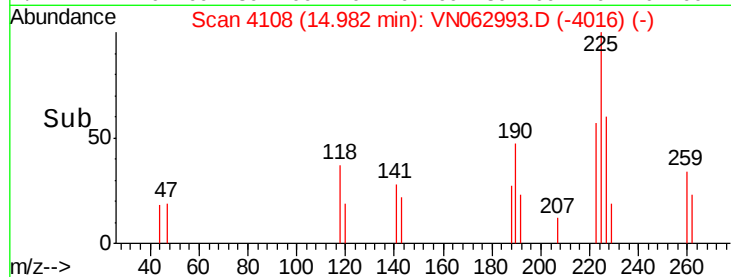
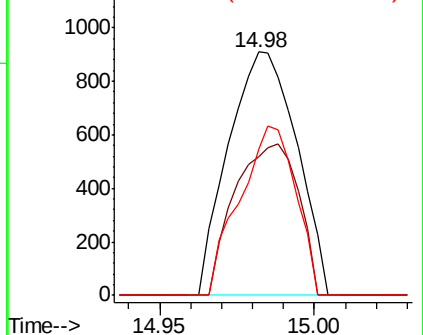
227 57.3 31.9 95.9



Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V



#95

Naphthalene

Concen: 0.649 ug/l

RT: 15.11 min Scan# 4147

Delta R.T. 0.00 min

Lab File: VN062993.D

Acq: 18 Aug 2020 18:41

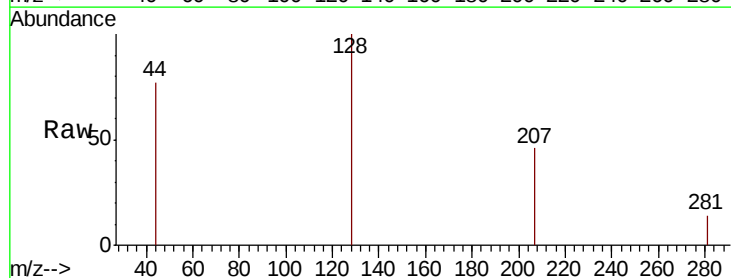
Tgt Ion:128 Resp: 1915

Ion Ratio Lower Upper

128 100

127 0.0 10.6 16.0#

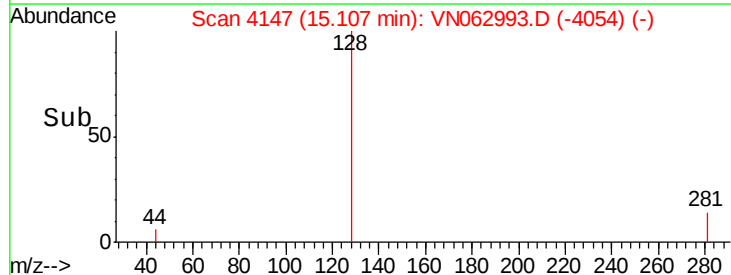
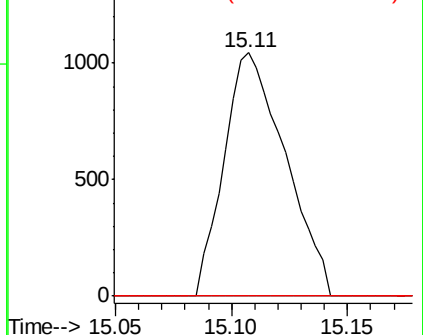
129 0.0 8.9 13.3#

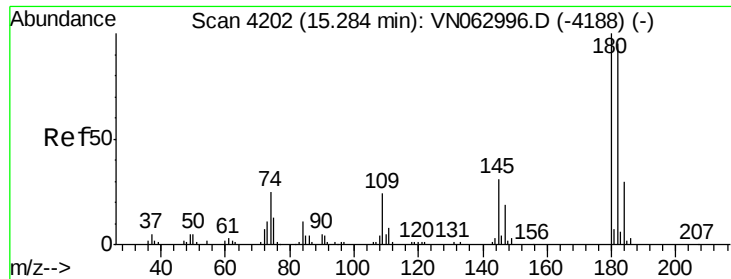


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V





#96
 1,2,3-Trichlorobenzene
 Concen: 0.686 ug/l
 RT: 15.30 min Scan# 4206
 Delta R.T. 0.01 min
 Lab File: VN062993.D
 Acq: 18 Aug 2020 18:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
180	100		
182	123.1	47.3	141.9
145	17.8	15.6	46.7

