

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN051820\
 Data File : VN061428.D
 Acq On : 18 May 2020 11:37
 Operator : JC/MD
 Sample : VSTDIC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Quant Time: May 18 12:33:53 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N051820W.M
 Quant Title : SW846 8260
 QLast Update : Mon May 18 12:26:39 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	275077	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	503896	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	469937	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	213052	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.99	65	81770	19.37	ug/l	0.00
Spiked Amount			Recovery	=	38.74%	
35) Dibromofluoromethane	7.55	113	55469	21.91	ug/l	0.00
Spiked Amount			Recovery	=	43.82%	
50) Toluene-d8	10.06	98	235346	18.82	ug/l	0.00
Spiked Amount			Recovery	=	37.64%	
62) 4-Bromofluorobenzene	12.37	95	85876	18.61	ug/l	0.00
Spiked Amount			Recovery	=	37.22%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	43951	19.749	ug/l	99
3) Chloromethane	2.03	50	72139	16.598	ug/l	99
4) Vinyl Chloride	2.16	62	106795	16.039	ug/l	100
5) Bromomethane	2.54	94	57701	15.991	ug/l	99
6) Chloroethane	2.67	64	71197	15.072	ug/l	97
7) Trichlorofluoromethane	2.98	101	123018	15.052	ug/l	96
8) Diethyl Ether	3.37	74	35651	19.353	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.72	101	51644	19.836	ug/l	99
10) Methyl Iodide	3.91	142	60163	18.564	ug/l	99
11) Tert butyl alcohol	4.73	59	44864	140.902	ug/l #	83
12) 1,1-Dichloroethene	3.70	96	53149	19.061	ug/l	97
13) Acrolein	3.57	56	33145	91.945	ug/l	92
14) Allyl chloride	4.27	41	91267	18.463	ug/l	98
15) Acrylonitrile	4.93	53	136213	100.158	ug/l	99
16) Acetone	3.77	43	110647	103.838	ug/l	98
17) Carbon Disulfide	4.01	76	143865	20.048	ug/l	97
18) Methyl Acetate	4.28	43	55921	17.934	ug/l	99
19) Methyl tert-butyl Ether	4.99	73	200785	18.393	ug/l	99
20) Methylene Chloride	4.50	84	61902	18.406	ug/l	98
21) trans-1,2-Dichloroethene	4.99	96	60786	18.026	ug/l	96
22) Diisopropyl ether	5.90	45	198681	18.068	ug/l	96
23) Vinyl Acetate	5.84	43	811817	90.691	ug/l	99
24) 1,1-Dichloroethane	5.80	63	116016	18.472	ug/l	99
25) 2-Butanone	6.78	43	176484	100.053	ug/l	100
26) 2,2-Dichloropropane	6.77	77	109589	20.377	ug/l	98
27) cis-1,2-Dichloroethene	6.78	96	72862	18.606	ug/l	99
28) Bromochloromethane	7.15	49	53927	19.554	ug/l	97
29) Tetrahydrofuran	7.17	42	118997	99.381	ug/l	100
30) Chloroform	7.33	83	122744	18.621	ug/l	99
31) Cyclohexane	7.61	56	110154	17.866	ug/l	97
32) 1,1,1-Trichloroethane	7.53	97	109084	18.591	ug/l	100
36) 1,1-Dichloropropene	7.75	75	90753	18.052	ug/l	99
37) Ethyl Acetate	6.88	43	77876	18.582	ug/l	99
38) Carbon Tetrachloride	7.73	117	83297	19.328	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	111486	18.634	ug/l	99
40) Benzene	8.00	78	271507	18.350	ug/l	99
41) Methacrylonitrile	7.13	41	38440	19.766	ug/l	93
42) 1,2-Dichloroethane	8.09	62	100440	18.885	ug/l	98
43) Isopropyl Acetate	8.13	43	140831	17.477	ug/l	99
44) Trichloroethene	8.80	130	69894	18.281	ug/l	97
45) 1,2-Dichloropropane	9.08	63	70611	18.945	ug/l	96
46) Dibromomethane	9.17	93	47354	18.894	ug/l	99
47) Bromodichloromethane	9.37	83	102228	18.788	ug/l	97
48) Methyl methacrylate	9.17	41	63210	17.335	ug/l	99
49) 1,4-Dioxane	9.17	88	13610	575.434	ug/l #	93
51) 4-Methyl-2-Pentanone	9.95	43	402093	92.667	ug/l	98
52) Toluene	10.12	92	169737	18.073	ug/l	97
53) t-1,3-Dichloropropene	10.35	75	110174	18.515	ug/l	98
54) cis-1,3-Dichloropropene	9.81	75	118334	18.855	ug/l	99
55) 1,1,2-Trichloroethane	10.53	97	66048	18.901	ug/l	99
56) Ethyl methacrylate	10.40	69	103395	18.097	ug/l	97
57) 1,3-Dichloropropane	10.68	76	114672	18.835	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.66	63	215206	89.177	ug/l	98
59) 2-Hexanone	10.72	43	280158	94.252	ug/l	99
60) Dibromochloromethane	10.87	129	71714	18.459	ug/l	100
61) 1,2-Dibromoethane	10.98	107	69744	18.976	ug/l	98
64) Tetrachloroethene	10.60	164	67531	18.355	ug/l	99
65) Chlorobenzene	11.41	112	178878	18.340	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.48	131	65398	18.996	ug/l	99
67) Ethyl Benzene	11.48	91	338828	18.753	ug/l	100
68) m/p-Xylenes	11.59	106	253112	37.290	ug/l	100
69) o-Xylene	11.92	106	122221	18.564	ug/l	100
70) Styrene	11.94	104	201888	18.264	ug/l	100
71) Bromoform	12.10	173	45118	18.608	ug/l #	99
73) Isopropylbenzene	12.22	105	326358	18.820	ug/l	99
74) N-amyl acetate	12.04	43	119040	17.552	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	91588	18.529	ug/l	99
76) 1,2,3-Trichloropropane	12.53	75	122488	27.528	ug/l #	100
77) Bromobenzene	12.50	156	69711	18.367	ug/l	97
78) n-propylbenzene	12.56	91	380004	18.799	ug/l	99
79) 2-Chlorotoluene	12.65	91	218408	18.430	ug/l	99
80) 1,3,5-Trimethylbenzene	12.71	105	269604	18.577	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.27	75	31541	18.538	ug/l	97
82) 4-Chlorotoluene	12.75	91	227330	18.257	ug/l	99
83) tert-Butylbenzene	12.97	119	229889	18.569	ug/l	98
84) 1,2,4-Trimethylbenzene	13.01	105	272415	18.811	ug/l	99
85) sec-Butylbenzene	13.15	105	315928	18.906	ug/l	98
86) p-Isopropyltoluene	13.26	119	277956	19.162	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	130202	18.918	ug/l	98
88) 1,4-Dichlorobenzene	13.34	146	128250	18.145	ug/l	98
89) n-Butylbenzene	13.59	91	252883	19.212	ug/l	99
90) Hexachloroethane	13.85	117	37950	18.988	ug/l	97
91) 1,2-Dichlorobenzene	13.63	146	125458	19.068	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.25	75	18728	19.706	ug/l	98

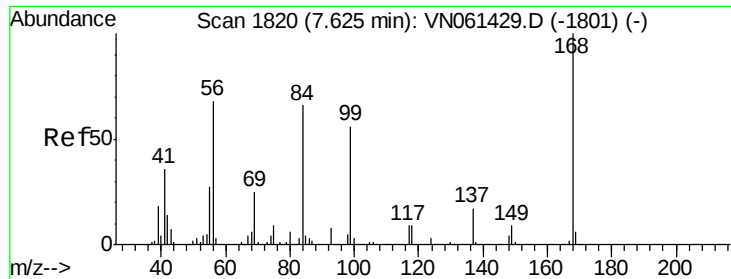
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	67474	18.703	ug/l	98
94) Hexachlorobutadiene	14.98	225	30082	21.652	ug/l	99
95) Naphthalene	15.10	128	221530	18.961	ug/l	100
96) 1,2,3-Trichlorobenzene	15.28	180	68330	18.951	ug/l	99

(#) = 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: VN061428.D

Acq: 18 May 2020 11:37

Instrument :

MSVOA_N

ClientSampleId :

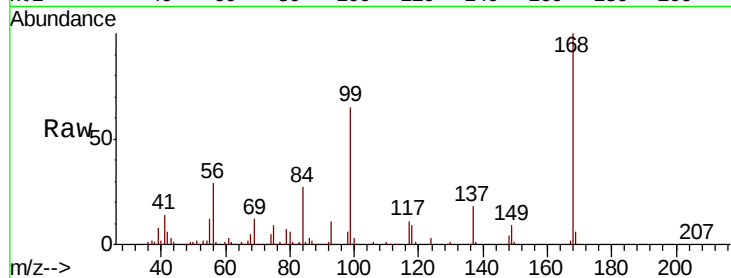
VSTDIC020

Tot Ion:168 Resp: 275077

Ion Ratio Lower Upper

168 100

99 64.8 51.1 76.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

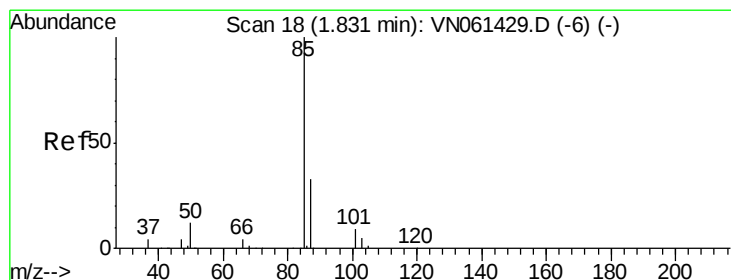
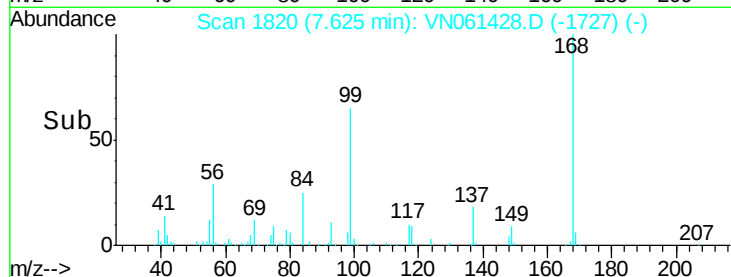
7.63

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 19.749 ug/l

RT: 1.83 min Scan# 18

Delta R.T. -0.00 min

Lab File: VN061428.D

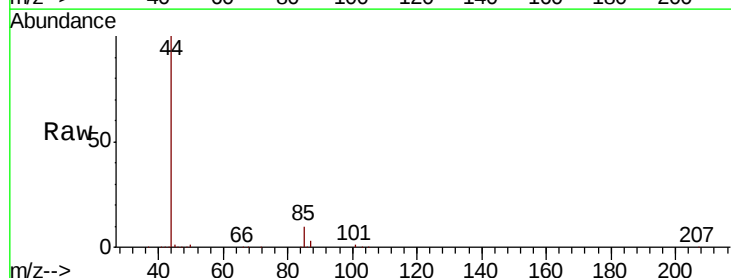
Acq: 18 May 2020 11:37

Tgt Ion: 85 Resp: 43951

Ion Ratio Lower Upper

85 100

87 31.9 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

40000

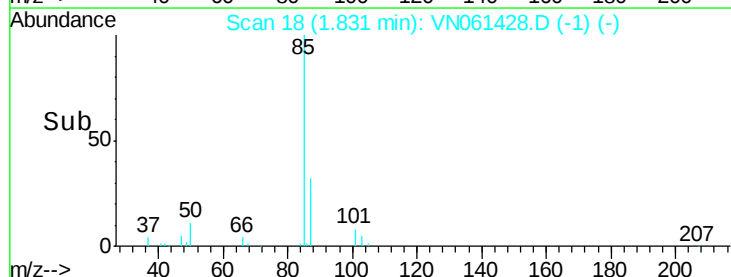
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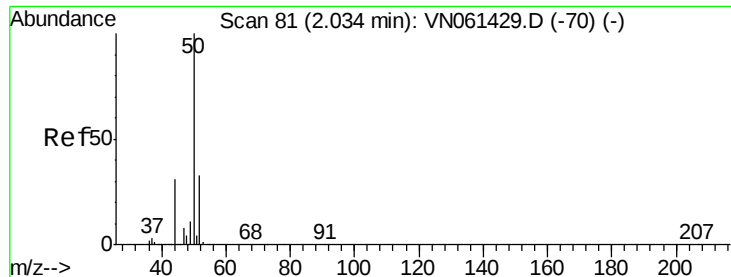
20000

10000

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Time-->





#3

Chloromethane

Concen: 16.598 ug/l

RT: 2.03 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN061428.D

Acq: 18 May 2020 11:37

Instrument :

MSVOA_N

ClientSampleId :

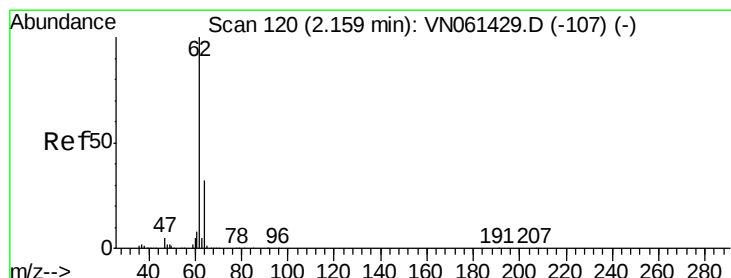
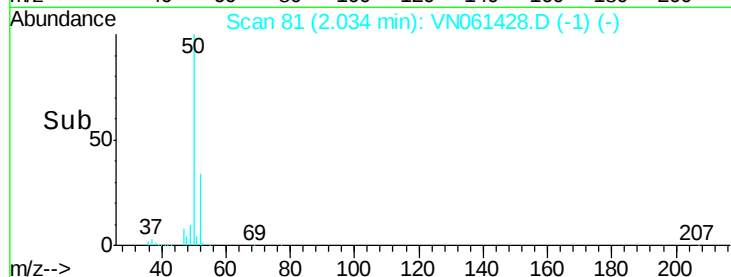
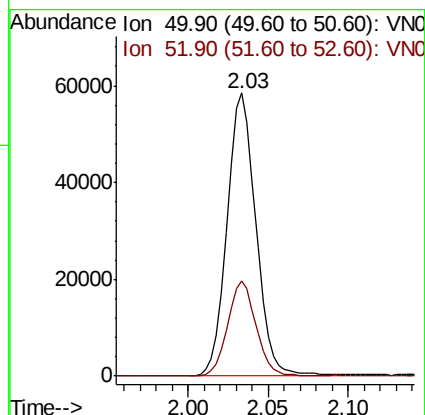
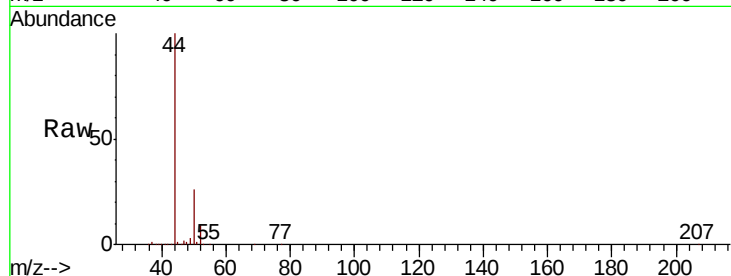
VSTDIC020

Tot Ion: 50 Resp: 72139

Ion Ratio Lower Upper

50 100

52 33.8 26.7 40.1



#4

Vinyl Chloride

Concen: 16.039 ug/l

RT: 2.16 min Scan# 120

Delta R.T. -0.00 min

Lab File: VN061428.D

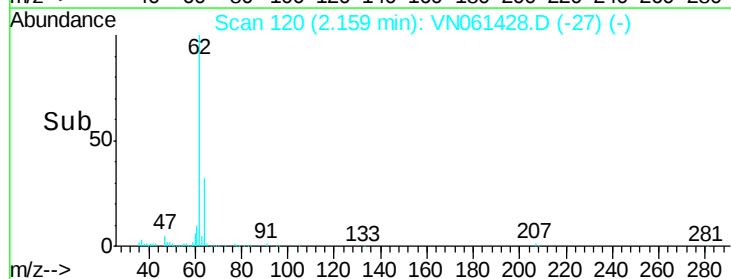
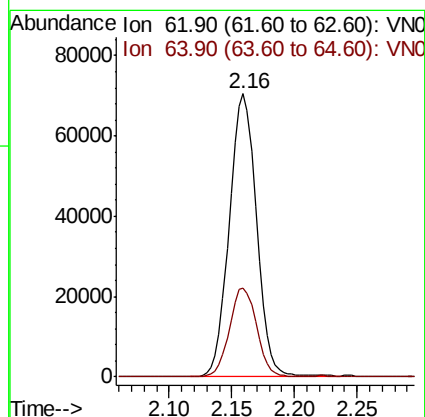
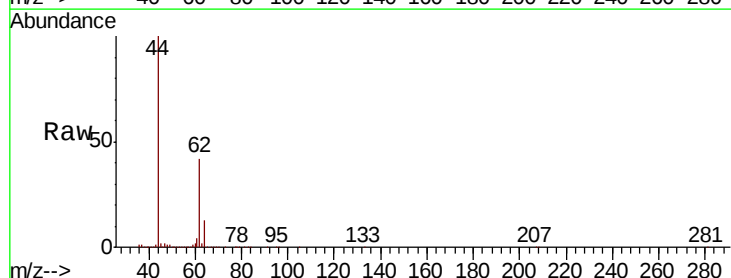
Acq: 18 May 2020 11:37

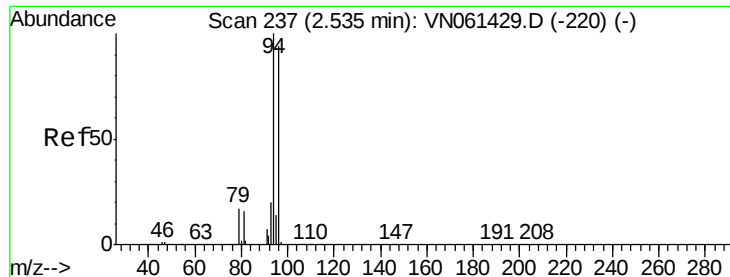
Tgt Ion: 62 Resp: 106795

Ion Ratio Lower Upper

62 100

64 31.5 25.3 37.9





#5

Bromomethane

Concen: 15.991 ug/l

RT: 2.54 min Scan# 239

Delta R.T. 0.01 min

Lab File: VN061428.D

Acq: 18 May 2020 11:37

Instrument :

MSVOA_N

ClientSampleId :

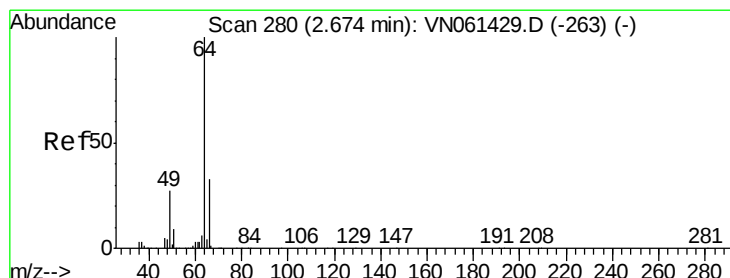
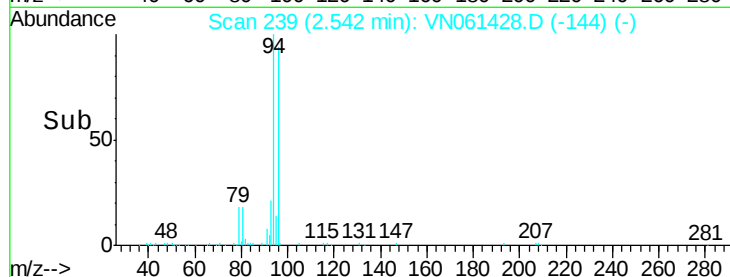
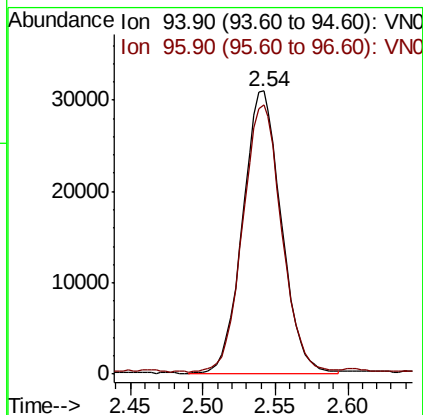
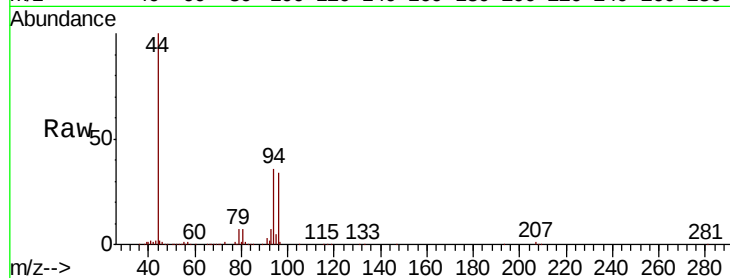
VSTDIC020

Tot Ion: 94 Resp: 57701

Ion Ratio Lower Upper

94 100

96 94.3 74.9 112.3



#6

Chloroethane

Concen: 15.072 ug/l

RT: 2.67 min Scan# 280

Delta R.T. -0.00 min

Lab File: VN061428.D

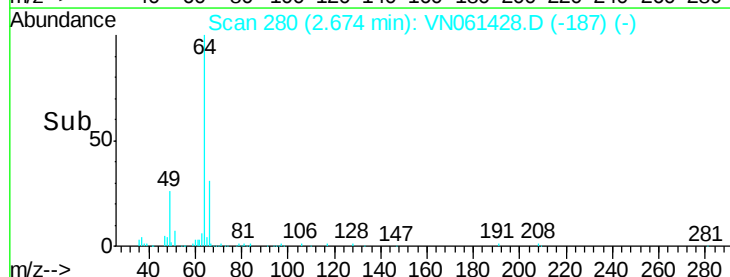
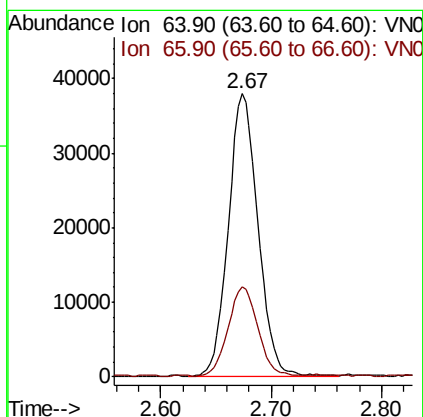
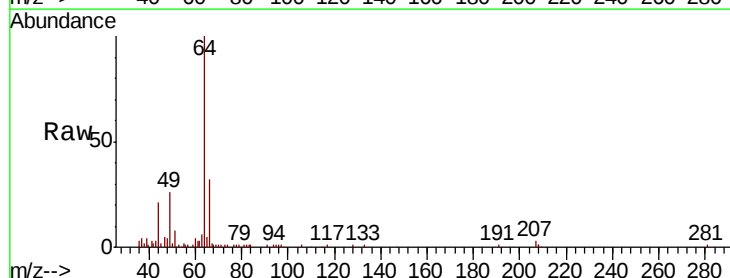
Acq: 18 May 2020 11:37

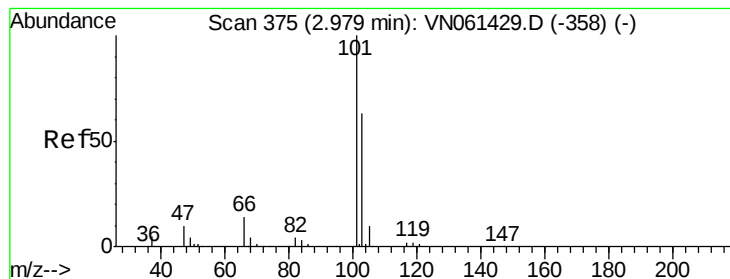
Tgt Ion: 64 Resp: 71197

Ion Ratio Lower Upper

64 100

66 31.4 26.3 39.5



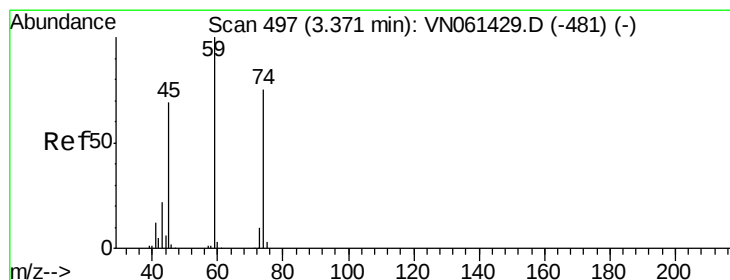
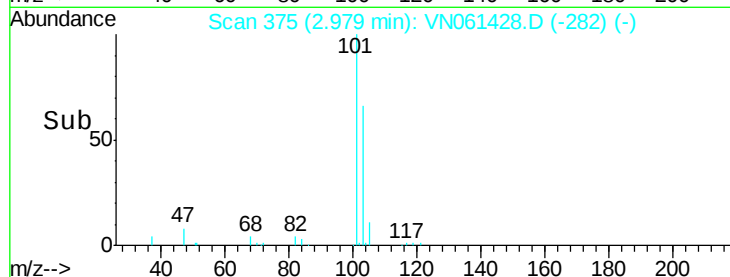
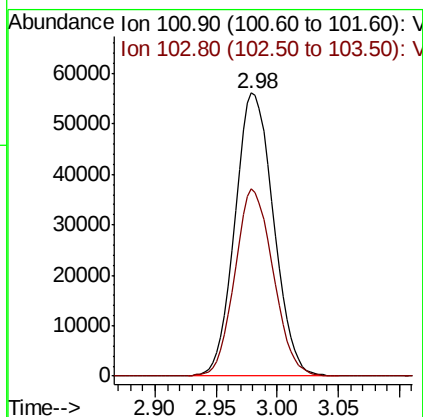
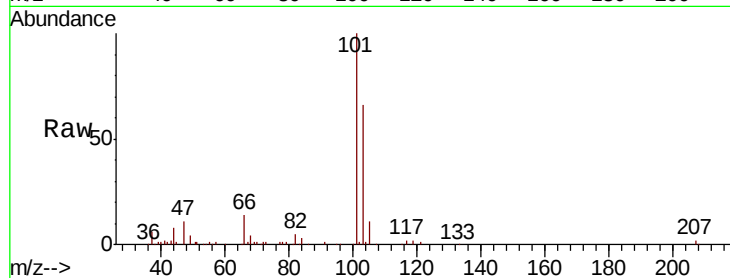


#7

Trichlorofluoromethane
 Concen: 15.052 ug/l
 RT: 2.98 min Scan# 375
 Delta R.T. -0.00 min
 Lab File: VN061428.D
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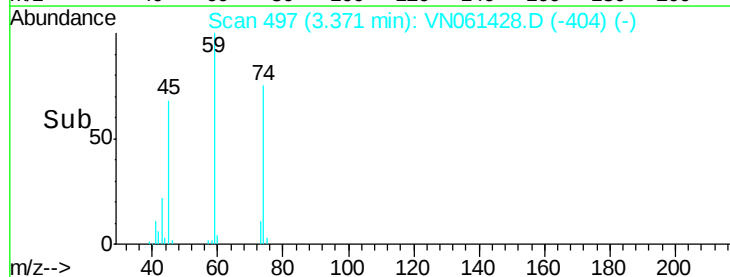
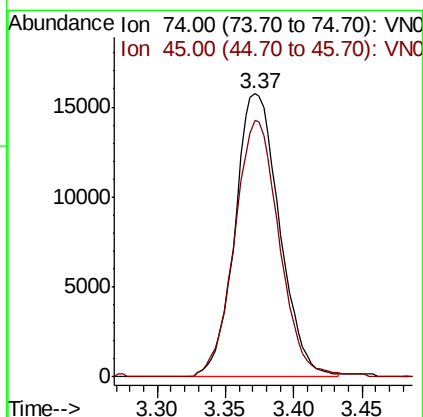
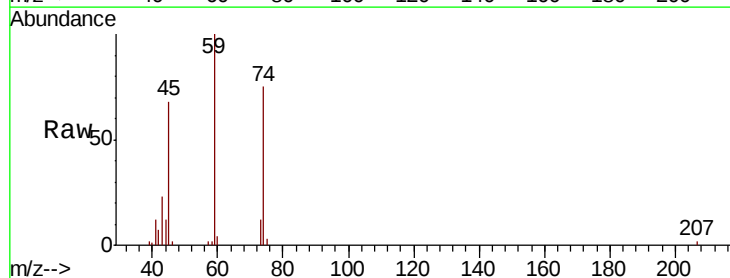
Tot Ion:101 Resp: 123018
 Ion Ratio Lower Upper
 101 100
 103 66.0 50.2 75.4

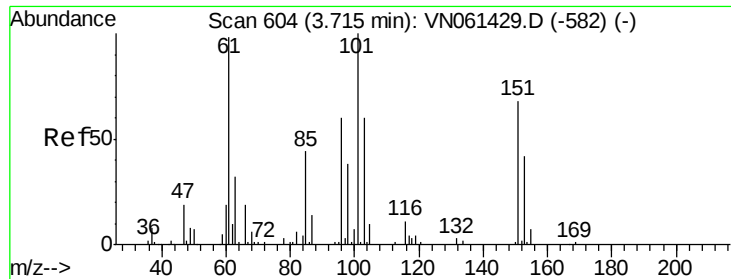


#8

Diethyl Ether
 Concen: 19.353 ug/l
 RT: 3.37 min Scan# 497
 Delta R.T. -0.00 min
 Lab File: VN061428.D
 Acq: 18 May 2020 11:37

Tgt Ion: 74 Resp: 35651
 Ion Ratio Lower Upper
 74 100
 45 91.1 45.7 137.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.836 ug/l

RT: 3.72 min Scan# 605

Delta R.T. 0.00 min

Lab File: VN061428.D

Acq: 18 May 2020 11:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

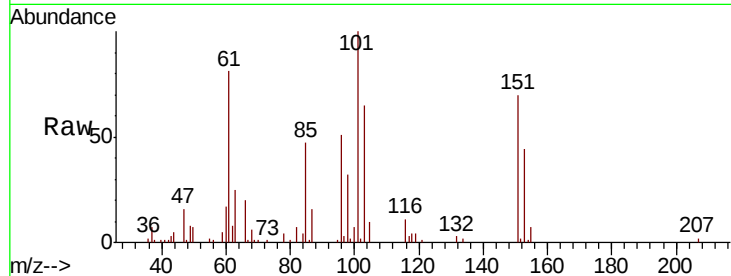
Tot Ion:101 Resp: 51644

Ion Ratio Lower Upper

101 100

85 46.9 36.6 55.0

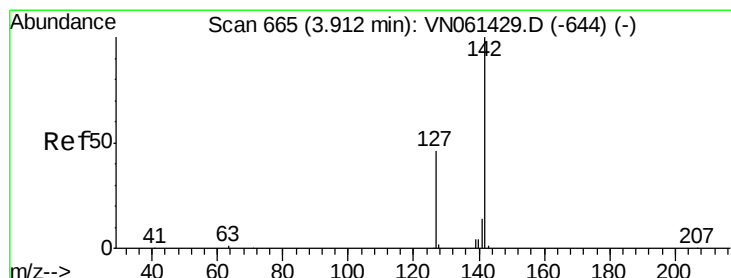
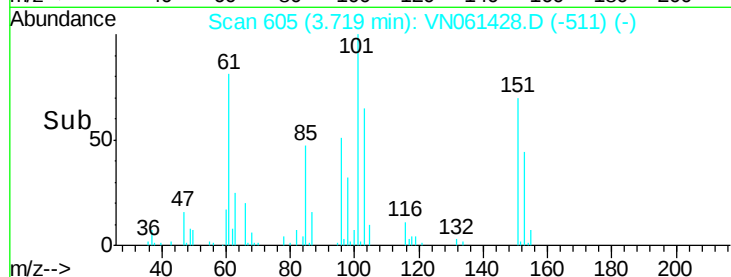
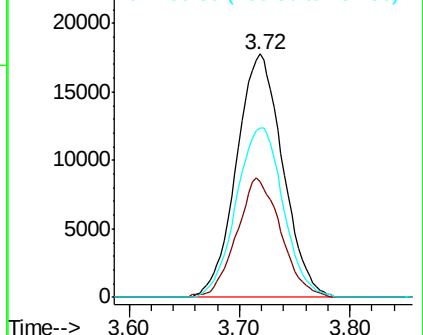
151 70.9 56.3 84.5



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 18.564 ug/l

RT: 3.91 min Scan# 665

Delta R.T. -0.00 min

Lab File: VN061428.D

Acq: 18 May 2020 11:37

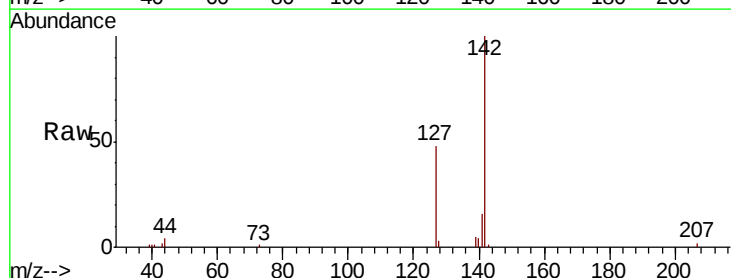
Tgt Ion:142 Resp: 60163

Ion Ratio Lower Upper

142 100

127 46.7 36.7 55.1

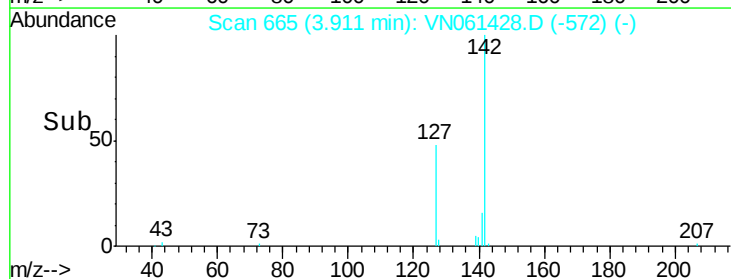
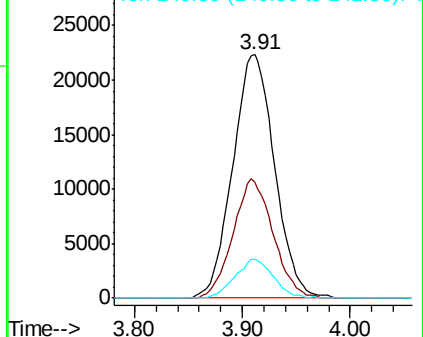
141 14.5 11.5 17.3

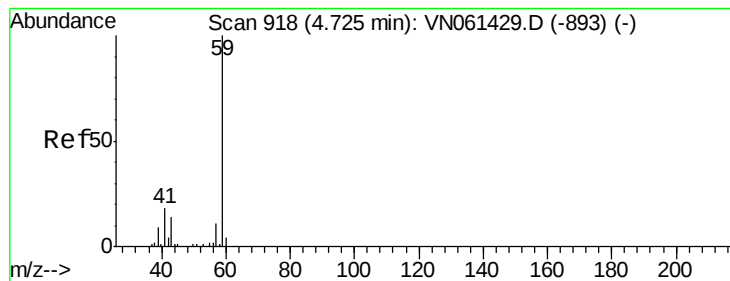


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



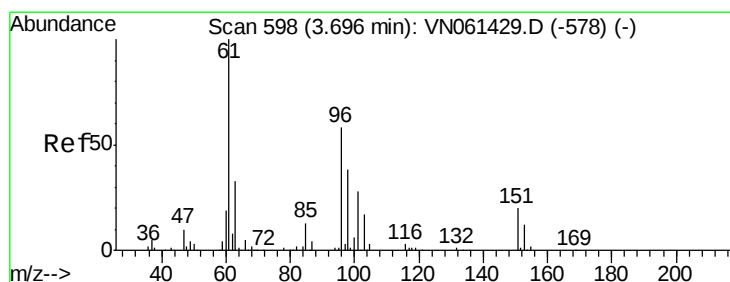
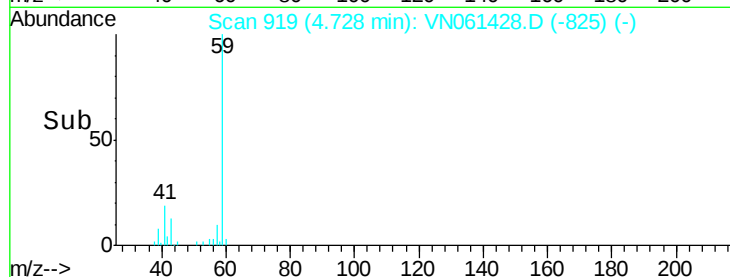
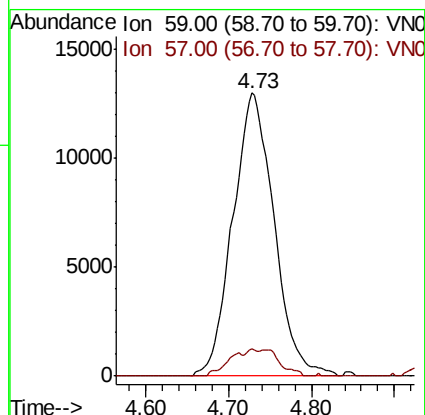
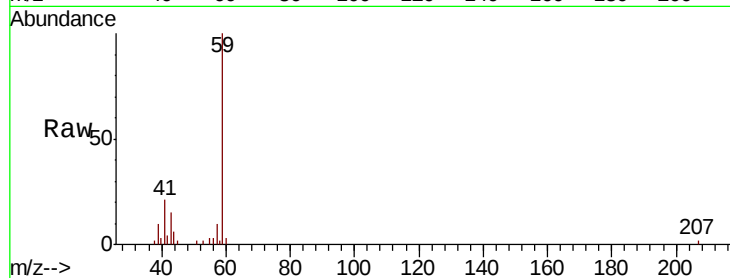


#11

Tert butyl alcohol
Concen: 140.902 ug/l
RT: 4.73 min Scan# 919
Delta R.T. 0.00 min
Lab File: VN061428.D
Acq: 18 May 2020 11:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

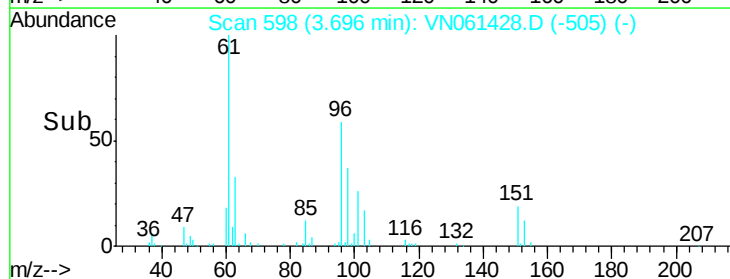
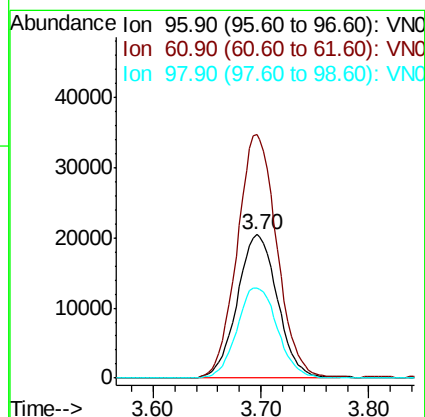
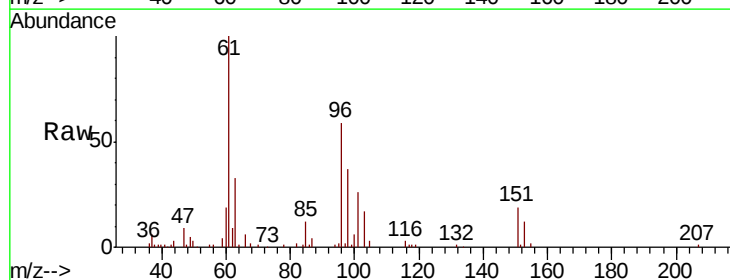
Tot Ion: 59 Resp: 44864
Ion Ratio Lower Upper
59 100
57 3.8 8.2 12.2#

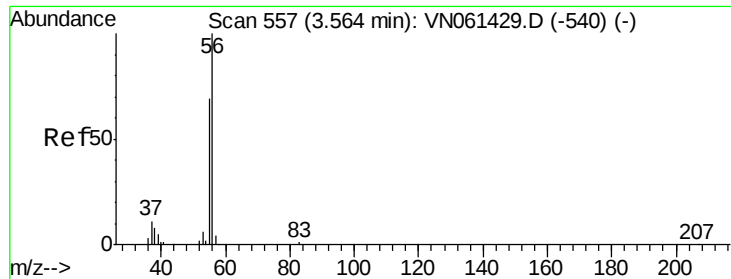


#12

1,1-Dichloroethene
Concen: 19.061 ug/l
RT: 3.70 min Scan# 598
Delta R.T. -0.00 min
Lab File: VN061428.D
Acq: 18 May 2020 11:37

Tgt Ion: 96 Resp: 53149
Ion Ratio Lower Upper
96 100
61 169.6 138.7 208.1
98 62.5 53.0 79.6





#13

Acrolein

Concen: 91.945 ug/l

RT: 3.57 min Scan# 558

Delta R.T. 0.00 min

Lab File: VN061428.D

Acq: 18 May 2020 11:37

Instrument :

MSVOA_N

ClientSampleId :

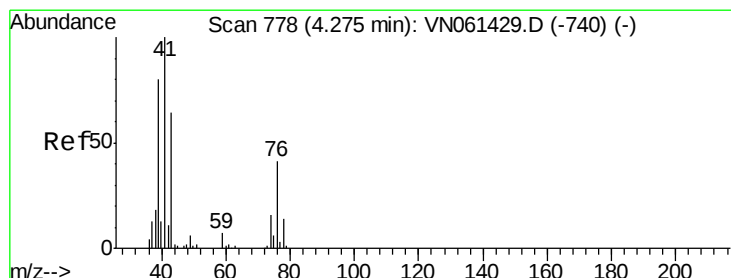
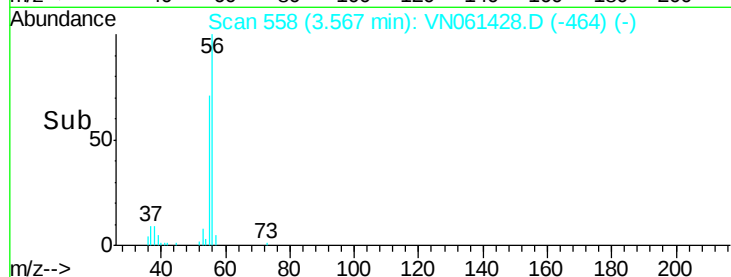
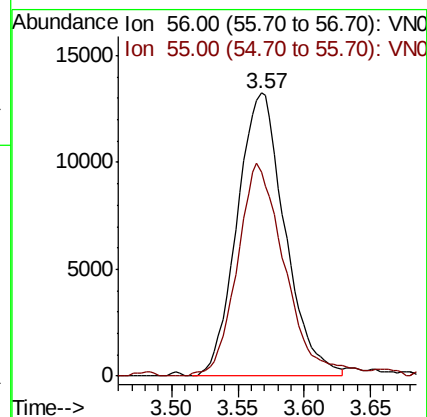
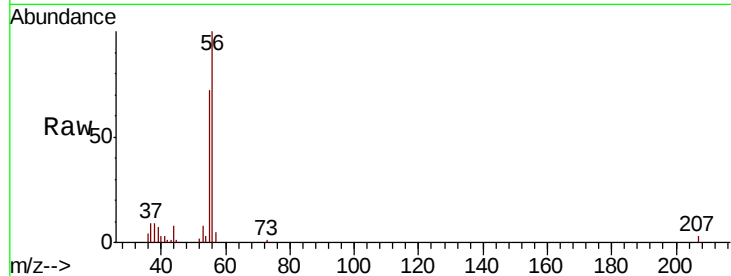
VSTDIC020

Tot Ion: 56 Resp: 33145

Ion Ratio Lower Upper

56 100

55 75.1 54.8 82.2



#14

Allyl chloride

Concen: 18.463 ug/l

RT: 4.27 min Scan# 778

Delta R.T. -0.00 min

Lab File: VN061428.D

Acq: 18 May 2020 11:37

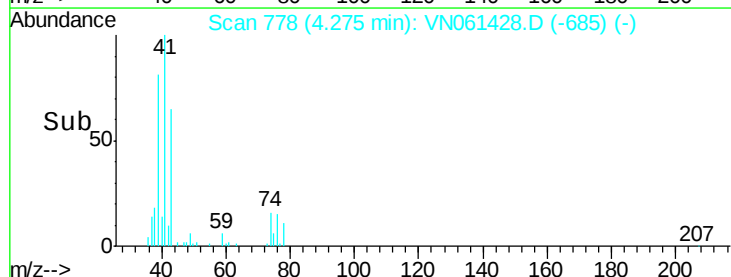
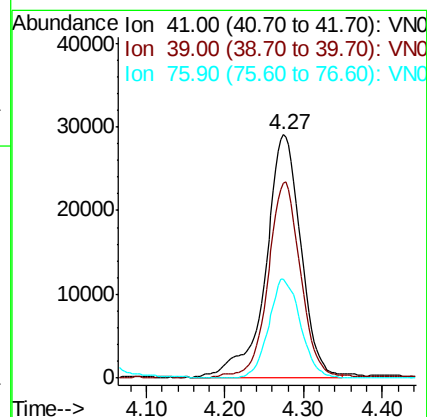
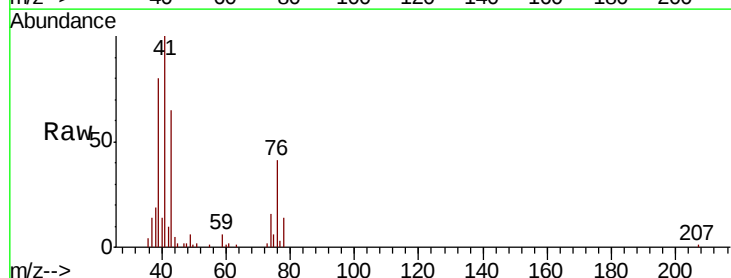
Tgt Ion: 41 Resp: 91267

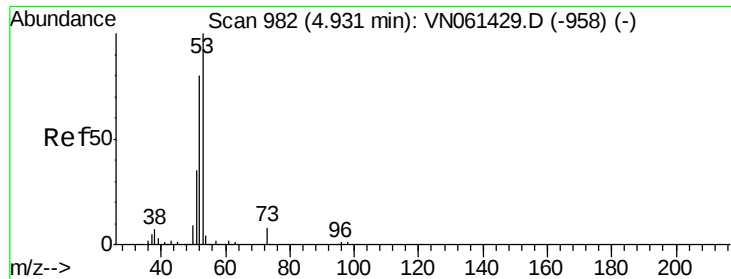
Ion Ratio Lower Upper

41 100

39 74.3 61.2 91.8

76 36.7 29.9 44.9





#15

Acrylonitrile

Concen: 100.158 ug/l

RT: 4.93 min Scan# 982

Delta R.T. -0.00 min

Lab File: VN061428.D

Acq: 18 May 2020 11:37

Instrument :

MSVOA_N

ClientSampled :

VSTDIC020

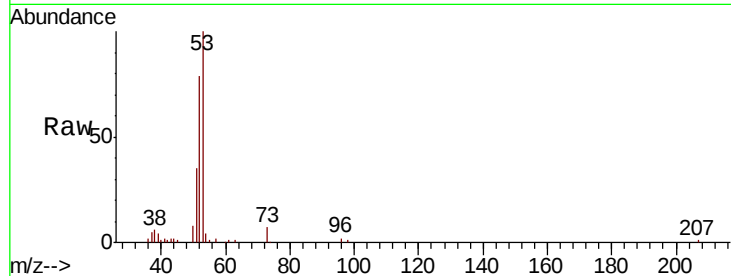
Tot Ion: 53 Resp: 136213

Ion Ratio Lower Upper

53 100

52 81.9 64.7 97.1

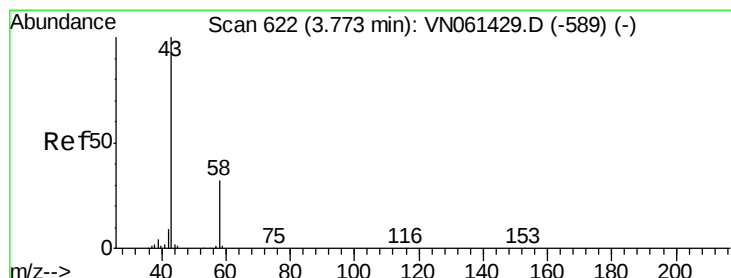
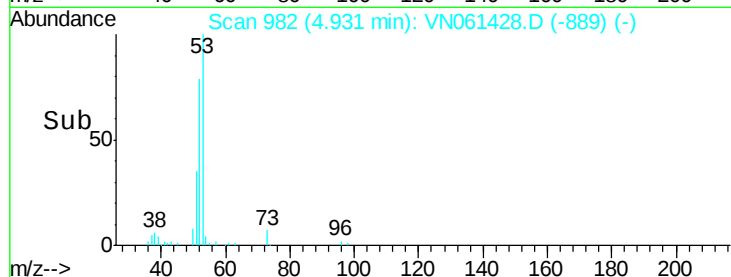
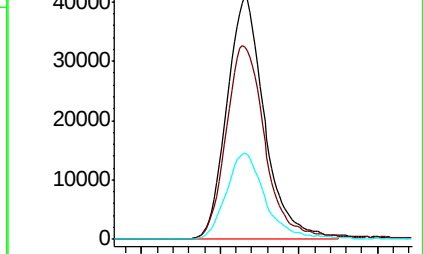
51 36.1 29.5 44.3



Abundance Ion 53.00 (52.70 to 53.70): VN061428.D (-889) (-)

Ion 52.00 (51.70 to 52.70): VN061428.D (-889) (-)

Ion 51.00 (50.70 to 51.70): VN061428.D (-889) (-)



#16

Acetone

Concen: 103.838 ug/l

RT: 3.77 min Scan# 622

Delta R.T. -0.00 min

Lab File: VN061428.D

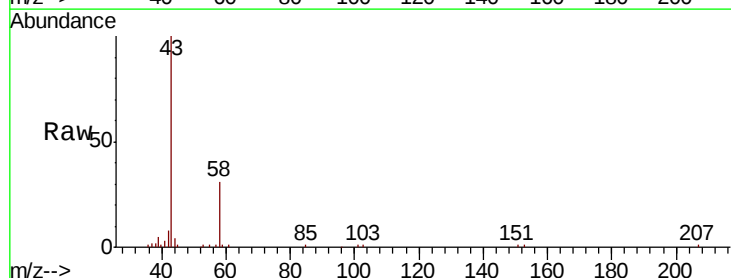
Acq: 18 May 2020 11:37

Tgt Ion: 43 Resp: 110647

Ion Ratio Lower Upper

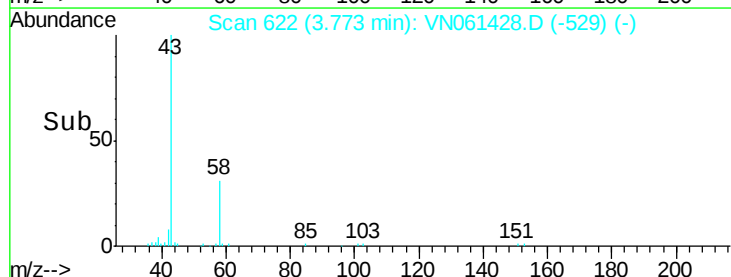
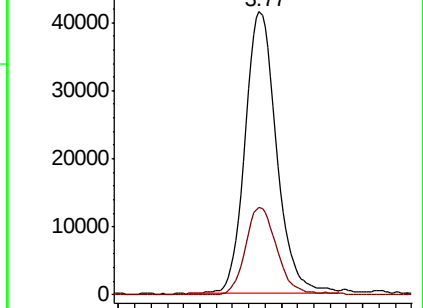
43 100

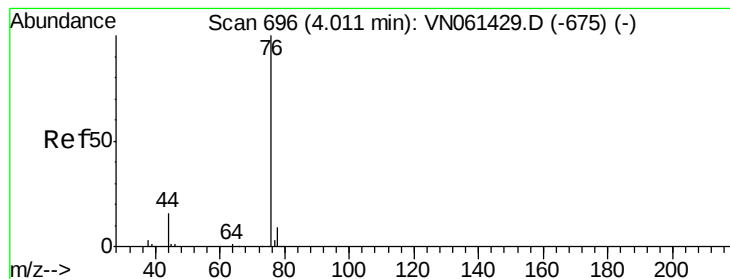
58 30.9 25.6 38.4



Abundance Ion 43.00 (42.70 to 43.70): VN061428.D (-529) (-)

Ion 58.00 (57.70 to 58.70): VN061428.D (-529) (-)





#17

Carbon Disulfide

Concen: 20.048 ug/l

RT: 4.01 min Scan# 695

Delta R.T. -0.00 min

Lab File: VN061428.D

Acq: 18 May 2020 11:37

Instrument :

MSVOA_N

ClientSampleId :

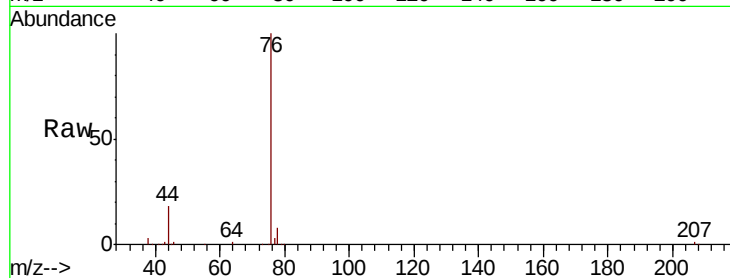
VSTDIC020

Tot Ion: 76 Resp: 143865

Ion Ratio Lower Upper

76 100

78 8.2 7.4 11.0



Abundance Ion 75.90 (75.60 to 76.60): VN061429.D (-675) (-)

Ion 77.90 (77.60 to 78.60): VN061429.D (-675) (-)

4.01

60000

50000

40000

30000

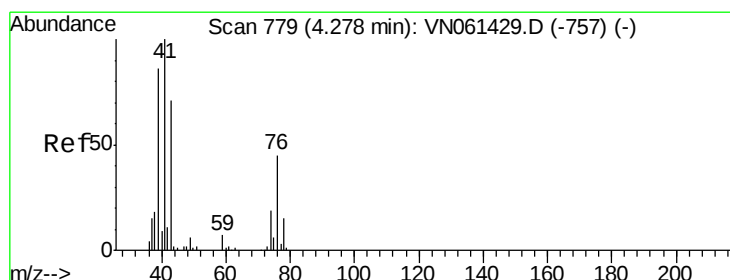
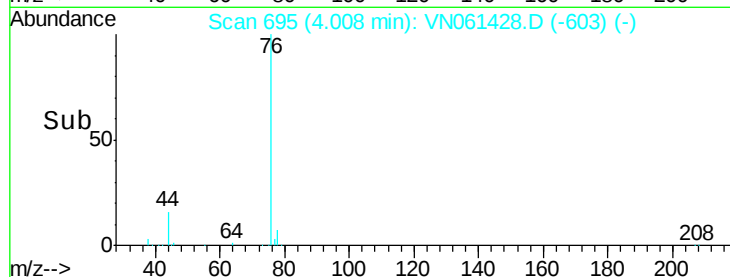
20000

10000

0

Time-->

3.90 4.00 4.10



#18

Methyl Acetate

Concen: 17.934 ug/l

RT: 4.28 min Scan# 779

Delta R.T. -0.00 min

Lab File: VN061428.D

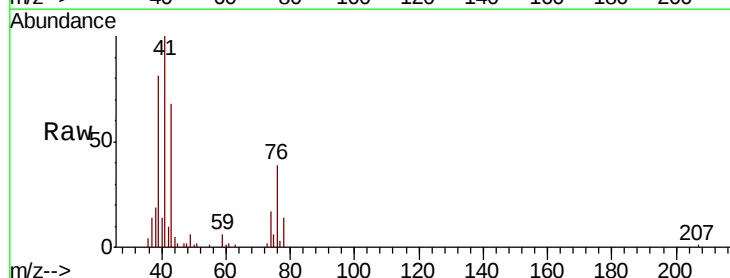
Acq: 18 May 2020 11:37

Tgt Ion: 43 Resp: 55921

Ion Ratio Lower Upper

43 100

74 25.6 20.8 31.2



Abundance Ion 43.00 (42.70 to 43.70): VN061429.D (-757) (-)

Ion 74.00 (73.70 to 74.70): VN061429.D (-757) (-)

4.28

20000

15000

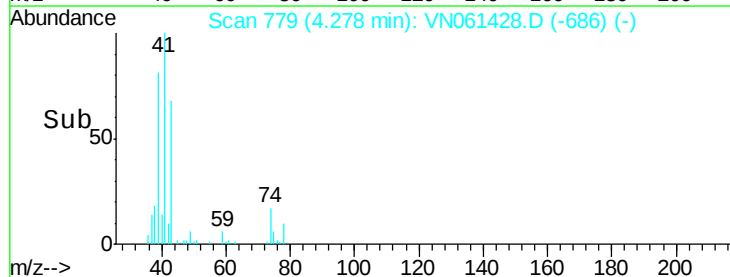
10000

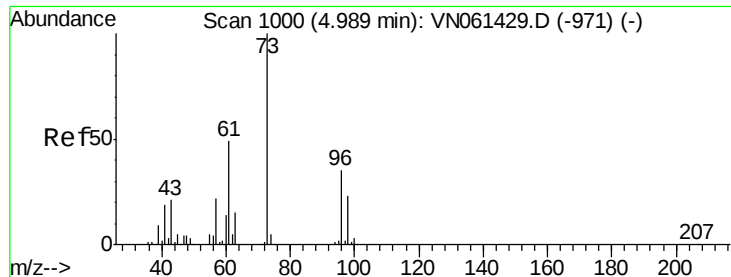
5000

0

Time-->

4.20 4.30 4.40

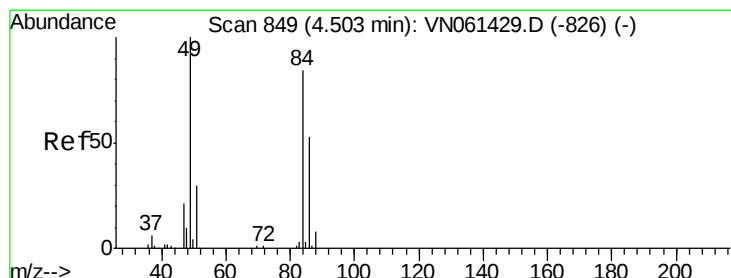
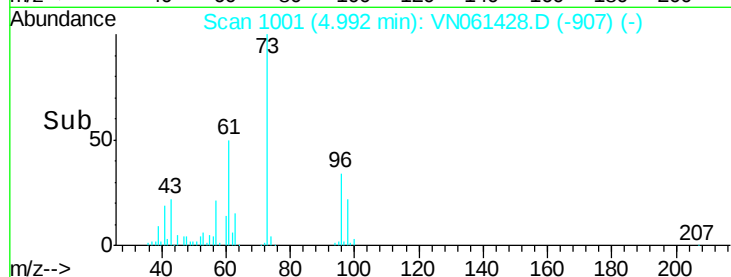
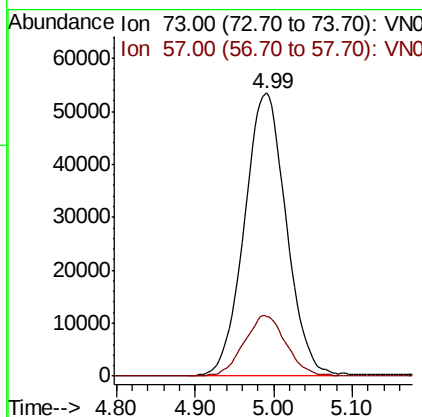
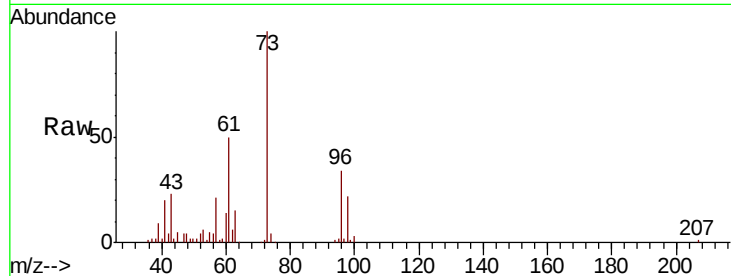




#19
Methvl tert-butvl Ether
Concen: 18.393 ug/l
RT: 4.99 min Scan# 1001
Delta R.T. 0.00 min
Lab File: VN061428.D
Acq: 18 May 2020 11:37

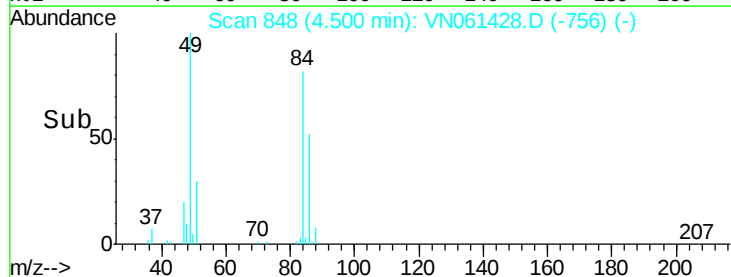
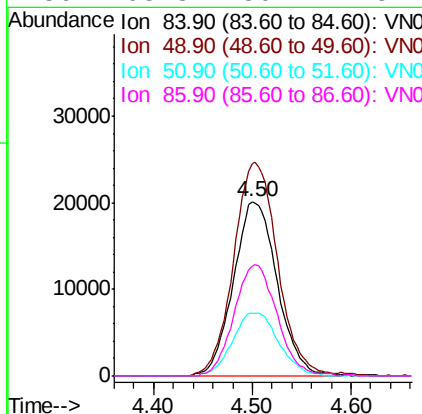
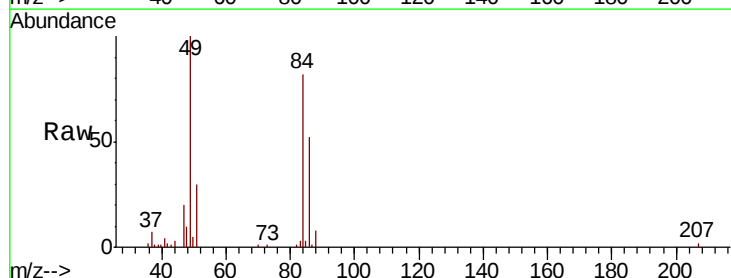
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

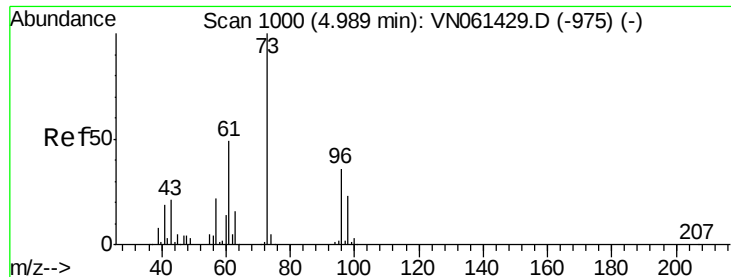
Tot Ion: 73 Resp: 200785
Ion Ratio Lower Upper
73 100
57 21.2 17.4 26.0



#20
Methylene Chloride
Concen: 18.406 ug/l
RT: 4.50 min Scan# 848
Delta R.T. -0.00 min
Lab File: VN061428.D
Acq: 18 May 2020 11:37

Tgt Ion: 84 Resp: 61902
Ion Ratio Lower Upper
84 100
49 122.1 95.3 142.9
51 36.3 29.0 43.6
86 63.3 50.2 75.2





#21

trans-1,2-Dichloroethene

Concen: 18.026 ug/l

RT: 4.99 min Scan# 999

Delta R.T. -0.00 min

Lab File: VN061428.D

Acq: 18 May 2020 11:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

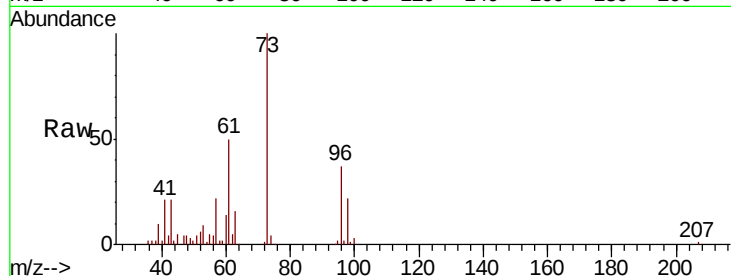
Tot Ion: 96 Resp: 60786

Ion Ratio Lower Upper

96 100

61 135.0 109.8 164.6

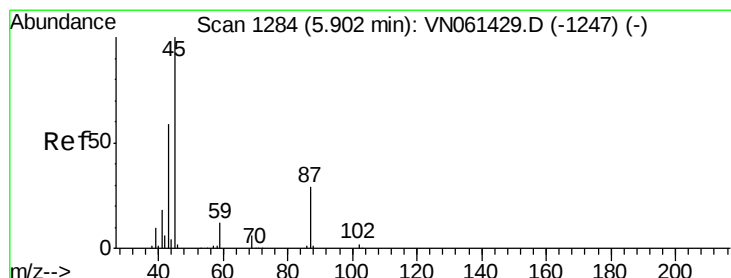
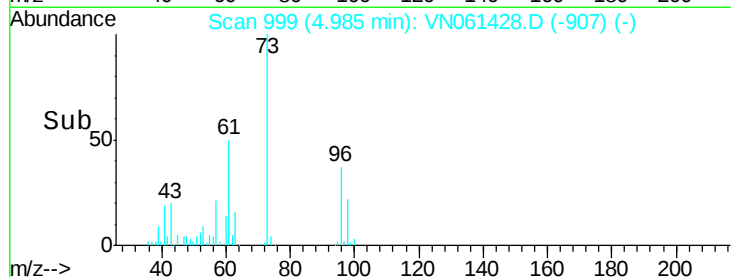
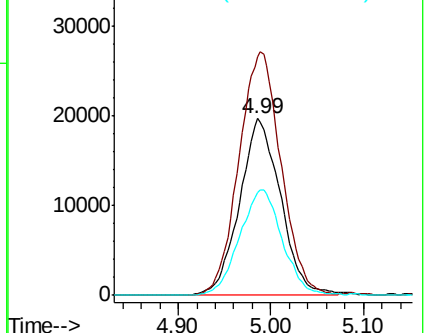
98 58.1 52.4 78.6



Abundance Ion 95.90 (95.60 to 96.60): VN061428.D (-907) (-)

Ion 60.90 (60.60 to 61.60): VN061428.D (-907) (-)

Ion 97.90 (97.60 to 98.60): VN061428.D (-907) (-)



#22

Diisopropyl ether

Concen: 18.068 ug/l

RT: 5.90 min Scan# 1284

Delta R.T. -0.00 min

Lab File: VN061428.D

Acq: 18 May 2020 11:37

Tgt Ion: 45 Resp: 198681

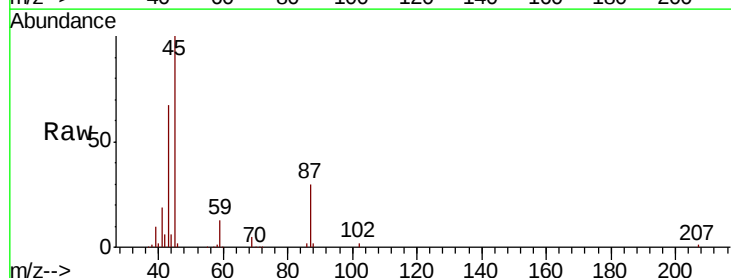
Ion Ratio Lower Upper

45 100

43 64.1 47.9 71.9

87 29.6 24.0 36.0

59 12.2 9.7 14.5

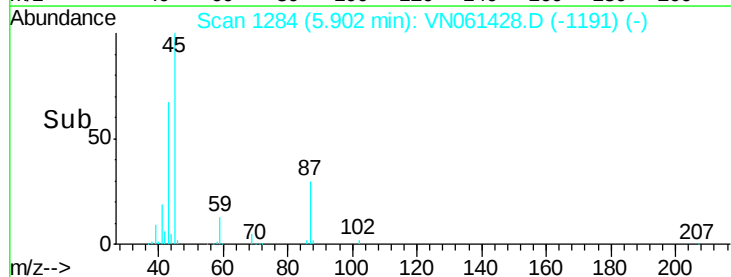
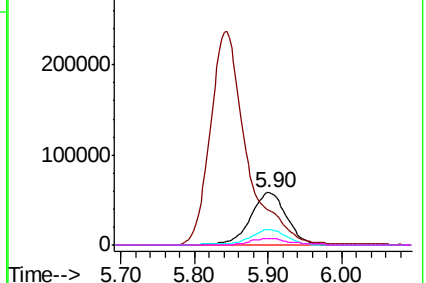


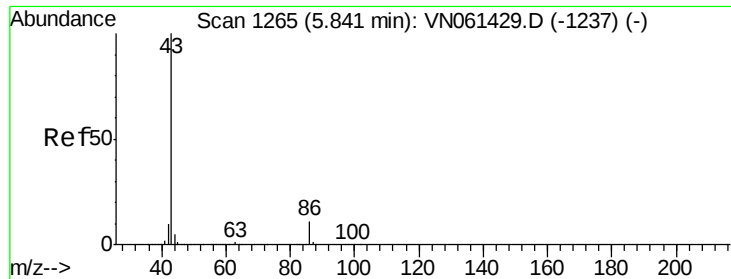
Abundance Ion 45.00 (44.70 to 45.70): VN061428.D (-1191) (-)

Ion 43.00 (42.70 to 43.70): VN061428.D (-1191) (-)

Ion 87.00 (86.70 to 87.70): VN061428.D (-1191) (-)

Ion 59.00 (58.70 to 59.70): VN061428.D (-1191) (-)





#23

Vinyl Acetate

Concen: 90.691 ug/l

RT: 5.84 min Scan# 1266

Delta R.T. 0.00 min

Lab File: VN061428.D

Acq: 18 May 2020 11:37

Instrument :

MSVOA_N

ClientSampled :

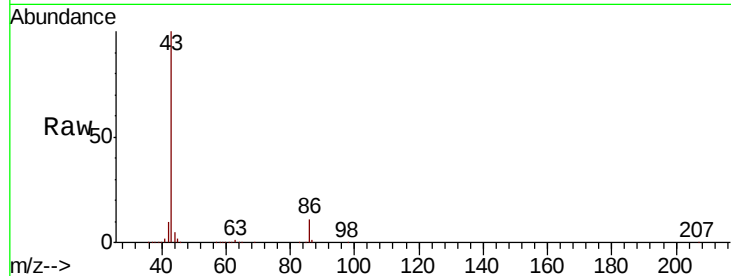
VSTDIC020

Tot Ion: 43 Resp: 811817

Ion Ratio Lower Upper

43 100

86 11.0 9.1 13.7



Abundance Ion 43.00 (42.70 to 43.70): VN061428.D (-1172) (-)

Ion 86.00 (85.70 to 86.70): VN061428.D (-1172) (-)

5.84

250000

200000

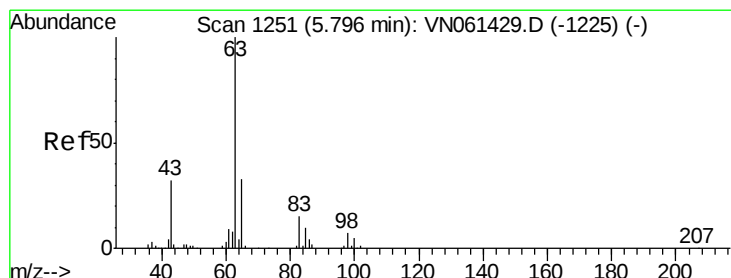
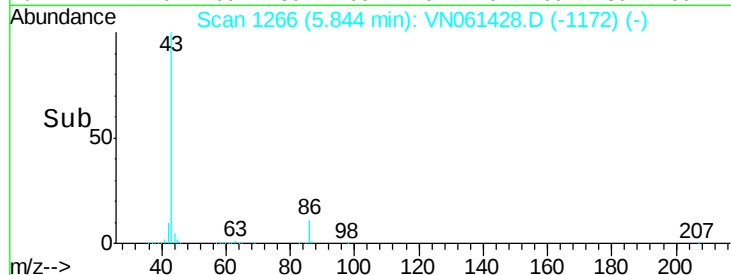
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 18.472 ug/l

RT: 5.80 min Scan# 1251

Delta R.T. -0.00 min

Lab File: VN061428.D

Acq: 18 May 2020 11:37

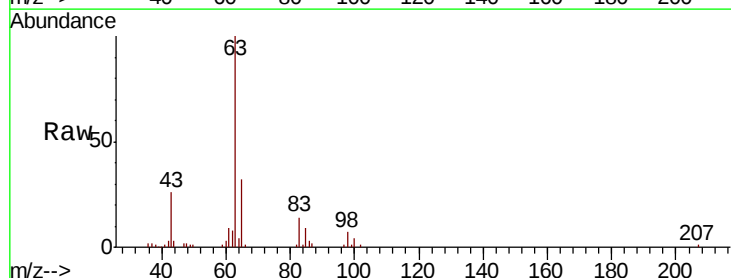
Tgt Ion: 63 Resp: 116016

Ion Ratio Lower Upper

63 100

98 6.6 3.5 10.5

100 4.3 2.3 6.9



Abundance Ion 62.90 (62.60 to 63.60): VN061428.D (-1158) (-)

Ion 97.90 (97.60 to 98.60): VN061428.D (-1158) (-)

Ion 99.90 (99.60 to 100.60): VN061428.D (-1158) (-)

50000

40000

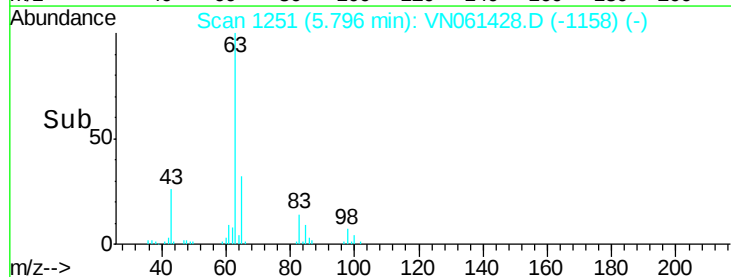
30000

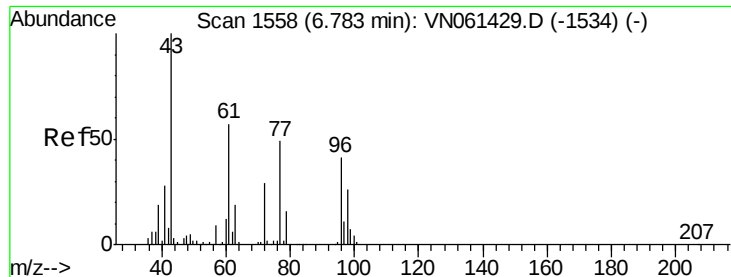
20000

10000

0

Time-->

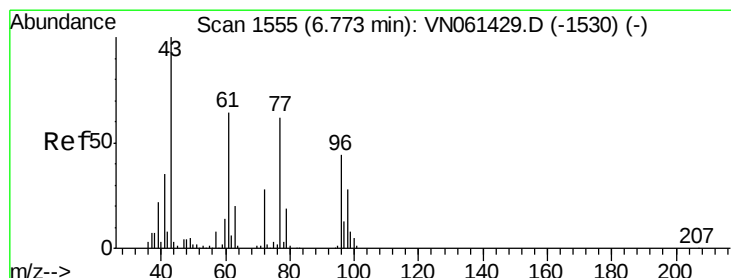
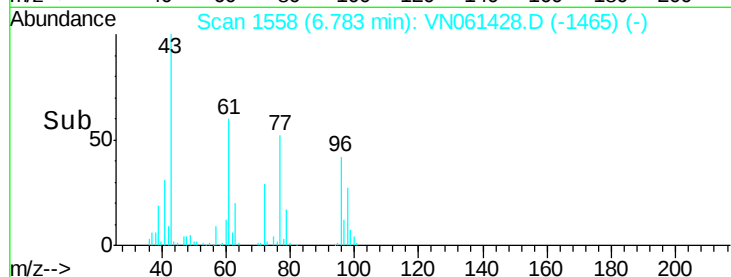
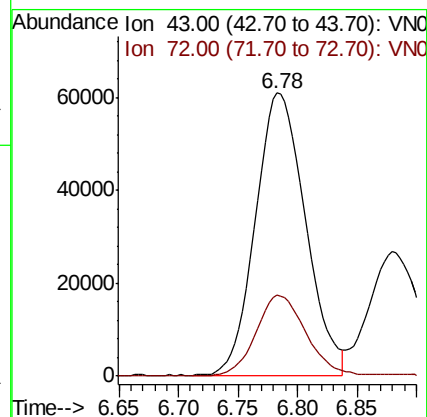
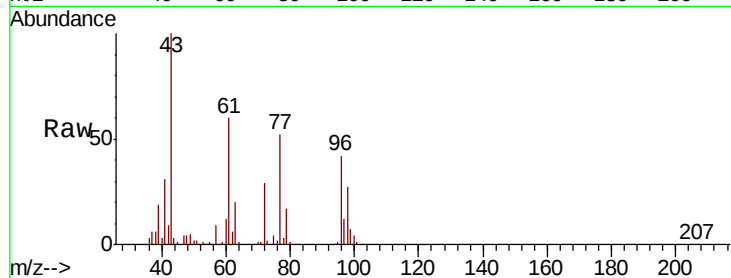




#25
2-Butanone
Concen: 100.053 ug/l
RT: 6.78 min Scan# 1558
Delta R.T. -0.00 min
Lab File: VN061428.D
Acq: 18 May 2020 11:37

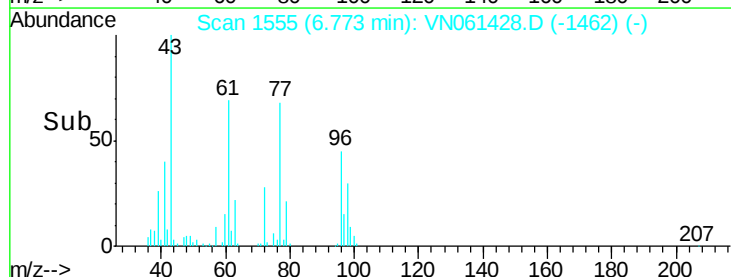
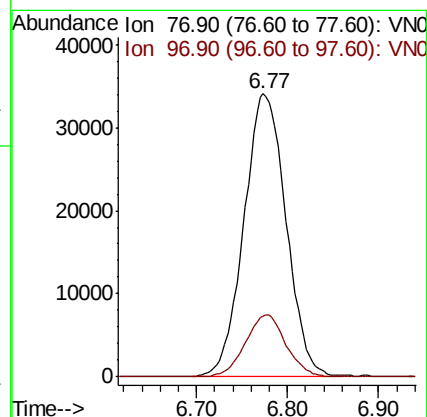
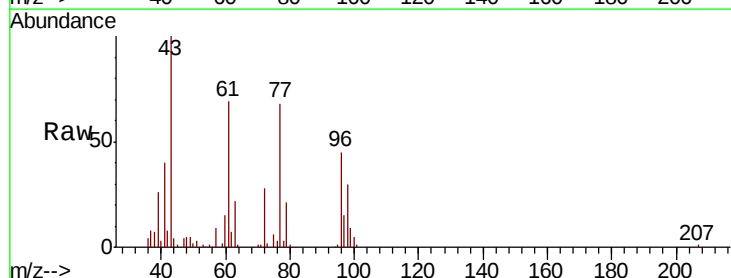
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

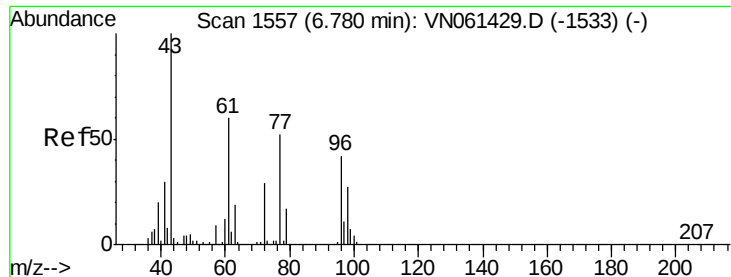
Tot Ion: 43 Resp: 176484
Ion Ratio Lower Upper
43 100
72 28.7 23.0 34.6



#26
2,2-Dichloropropane
Concen: 20.377 ug/l
RT: 6.77 min Scan# 1555
Delta R.T. -0.00 min
Lab File: VN061428.D
Acq: 18 May 2020 11:37

Tgt Ion: 77 Resp: 109589
Ion Ratio Lower Upper
77 100
97 21.0 10.9 32.9





#27

cis-1,2-Dichloroethene

Concen: 18.606 ug/l

RT: 6.78 min Scan# 1558

Delta R.T. 0.00 min

Lab File: VN061428.D

Acq: 18 May 2020 11:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

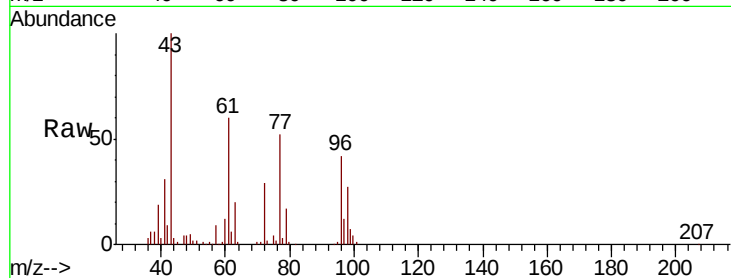
Tot Ion: 96 Resp: 72862

Ion Ratio Lower Upper

96 100

61 148.5 0.0 294.2

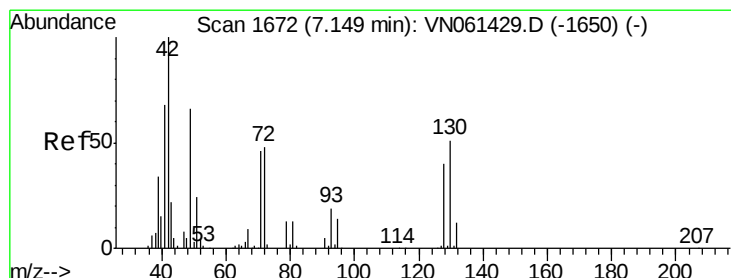
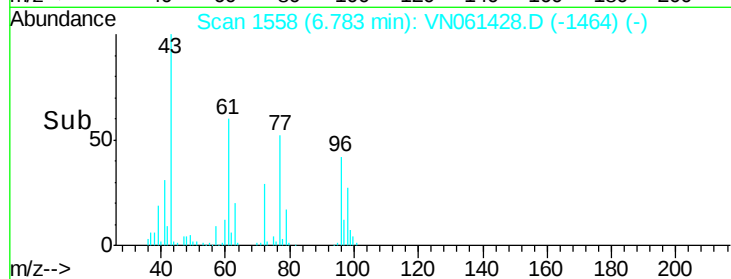
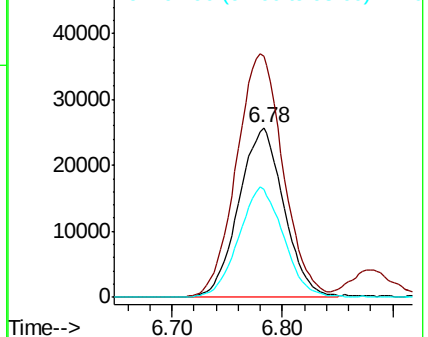
98 64.5 0.0 128.2



Abundance Ion 95.90 (95.60 to 96.60): VN061428.D (-1464) (-)

Ion 60.90 (60.60 to 61.60): VN061428.D (-1464) (-)

Ion 97.90 (97.60 to 98.60): VN061428.D (-1464) (-)



#28

Bromochloromethane

Concen: 19.554 ug/l

RT: 7.15 min Scan# 1671

Delta R.T. -0.00 min

Lab File: VN061428.D

Acq: 18 May 2020 11:37

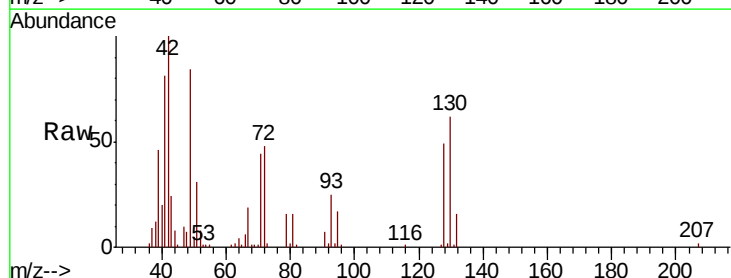
Tgt Ion: 49 Resp: 53927

Ion Ratio Lower Upper

49 100

129 1.7 0.0 4.6

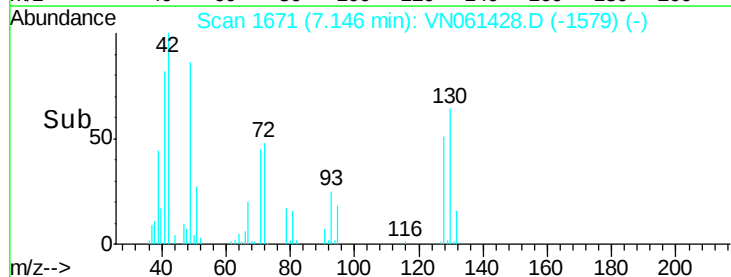
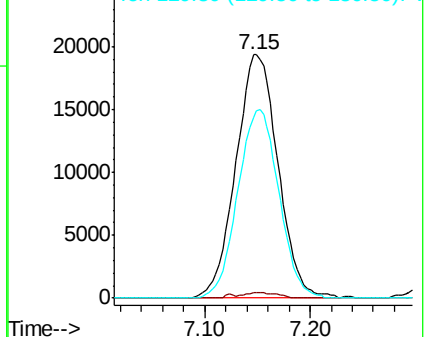
130 75.4 62.2 93.2

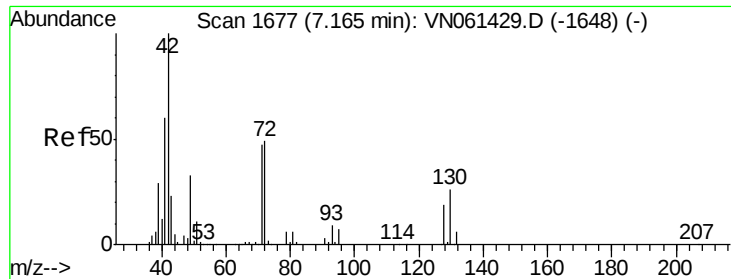


Abundance Ion 48.90 (48.60 to 49.60): VN061428.D (-1579) (-)

Ion 128.80 (128.50 to 129.50): VN061428.D (-1579) (-)

Ion 129.80 (129.50 to 130.50): VN061428.D (-1579) (-)

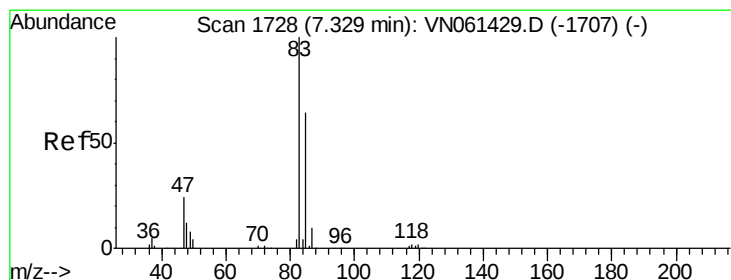
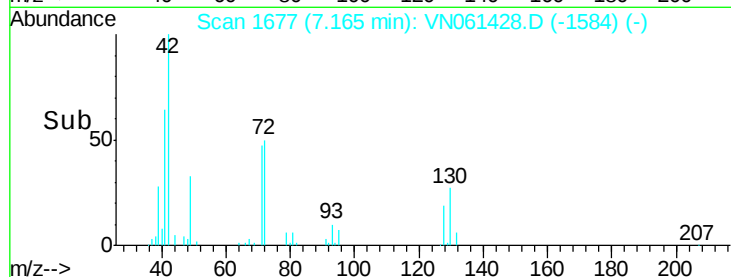
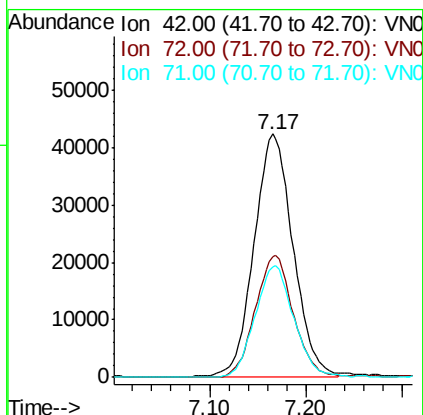
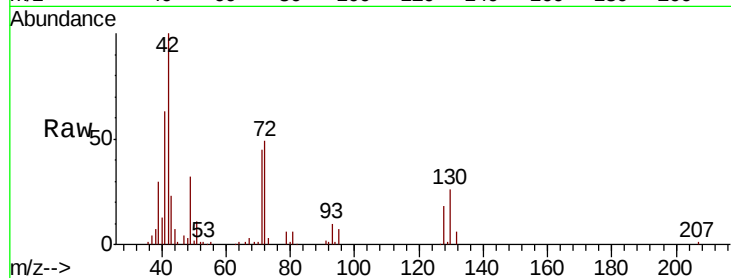




#29
Tetrahydrofuran
Concen: 99.381 ug/l
RT: 7.17 min Scan# 1677
Delta R.T. -0.00 min
Lab File: VN061428.D
Acq: 18 May 2020 11:37

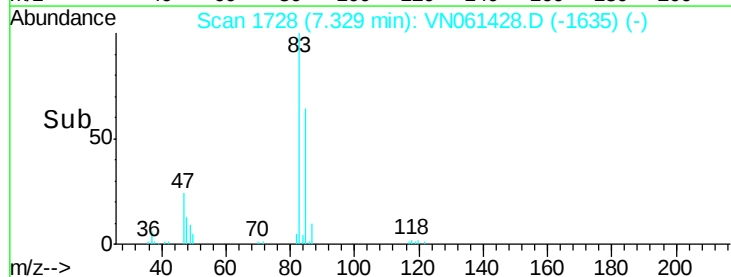
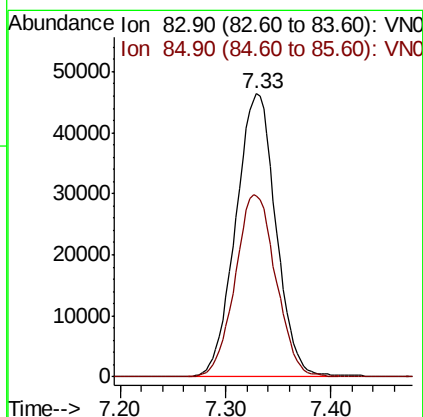
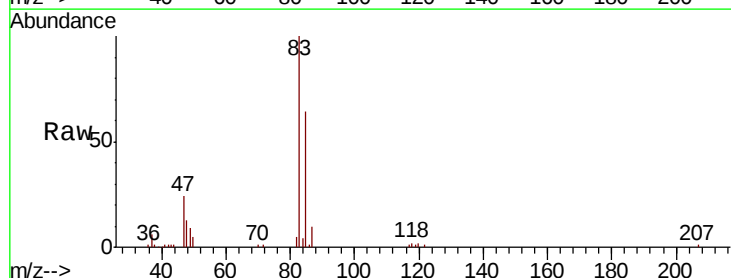
Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

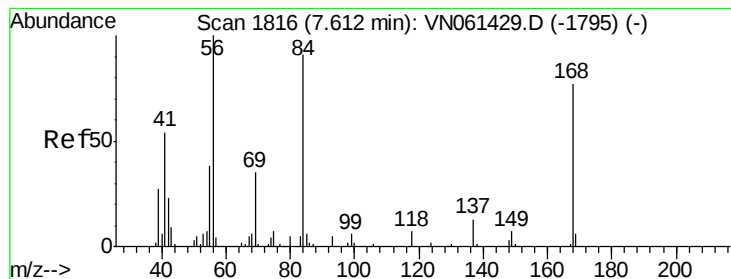
Tot Ion: 42 Resp: 118997
Ion Ratio Lower Upper
42 100
72 48.8 39.0 58.6
71 45.5 36.9 55.3



#30
Chloroform
Concen: 18.621 ug/l
RT: 7.33 min Scan# 1728
Delta R.T. -0.00 min
Lab File: VN061428.D
Acq: 18 May 2020 11:37

Tgt Ion: 83 Resp: 122744
Ion Ratio Lower Upper
83 100
85 64.1 51.0 76.4





#31

Cyclohexane

Concen: 17.866 ug/l

RT: 7.61 min Scan# 1816

Delta R.T. -0.00 min

Lab File: VN061428.D

Acq: 18 May 2020 11:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

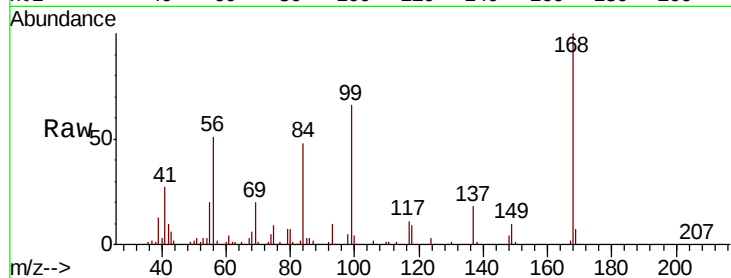
Tot Ion: 56 Resp: 110154

Ion Ratio Lower Upper

56 100

69 38.0 27.8 41.6

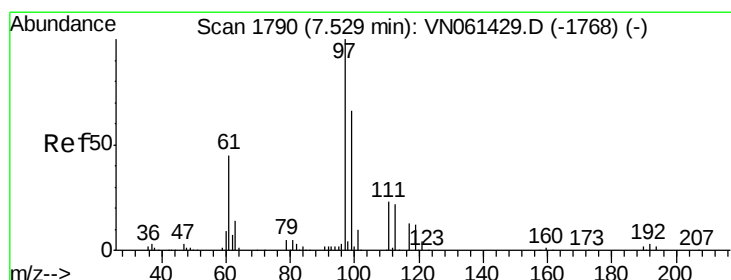
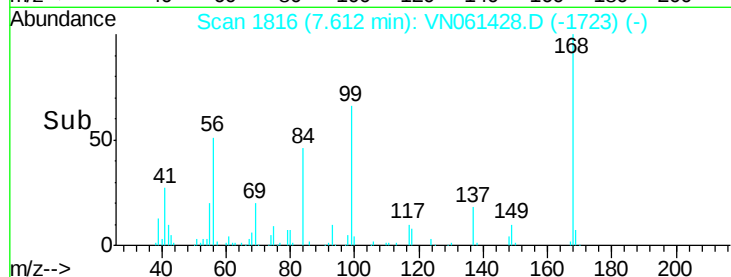
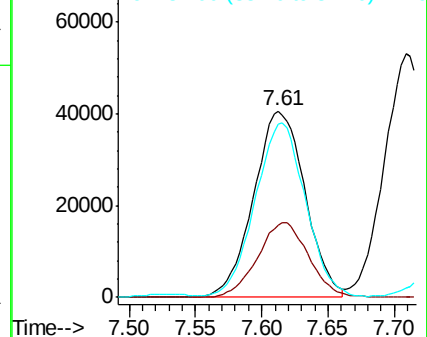
84 92.1 72.7 109.1



Abundance Ion 56.00 (55.70 to 56.70): VN061428.D (-1795) (-)

Ion 69.00 (68.70 to 69.70): VN061428.D (-1795) (-)

Ion 84.00 (83.70 to 84.70): VN061428.D (-1795) (-)



#32

1,1,1-Trichloroethane

Concen: 18.591 ug/l

RT: 7.53 min Scan# 1790

Delta R.T. -0.00 min

Lab File: VN061428.D

Acq: 18 May 2020 11:37

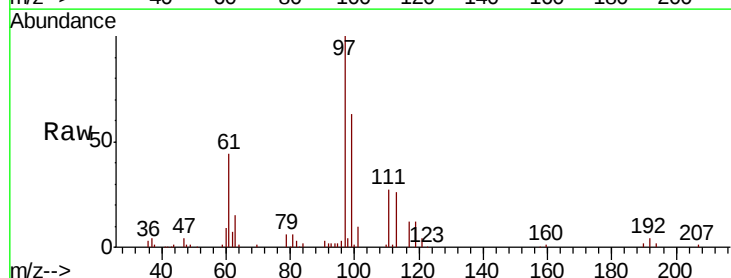
Tgt Ion: 97 Resp: 109084

Ion Ratio Lower Upper

97 100

99 64.1 51.5 77.3

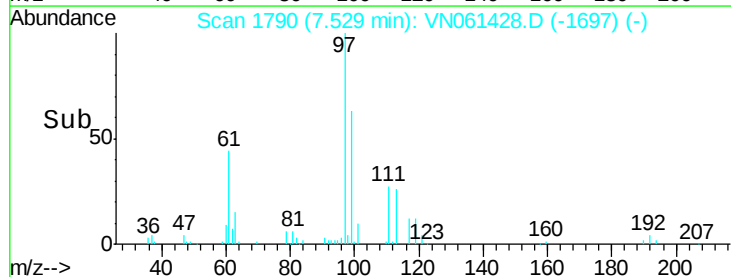
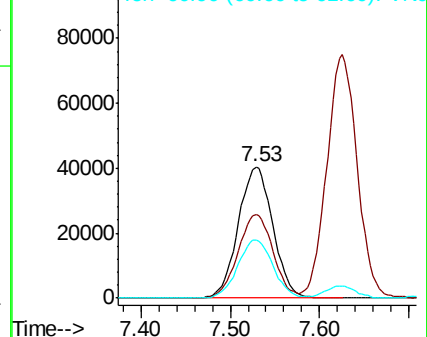
61 45.0 35.8 53.6

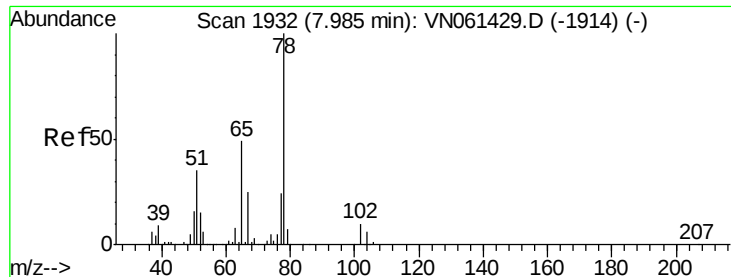


Abundance Ion 96.90 (96.60 to 97.60): VN061428.D (-1697) (-)

Ion 98.90 (98.60 to 99.60): VN061428.D (-1697) (-)

Ion 60.90 (60.60 to 61.60): VN061428.D (-1697) (-)





#33

1,2-Dichloroethane-d4

Concen: 19.370 ug/l

RT: 7.99 min Scan# 1932

Delta R.T. -0.00 min

Lab File: VN061428.D

Acq: 18 May 2020 11:37

Instrument :

MSVOA_N

ClientSampleId :

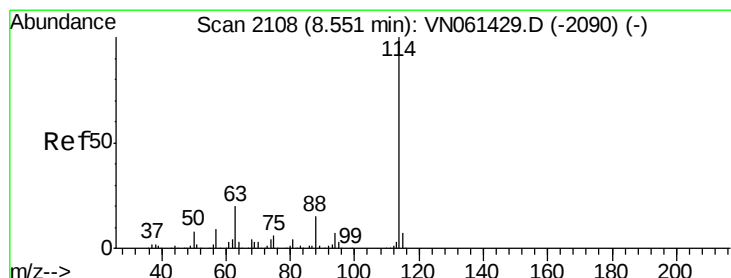
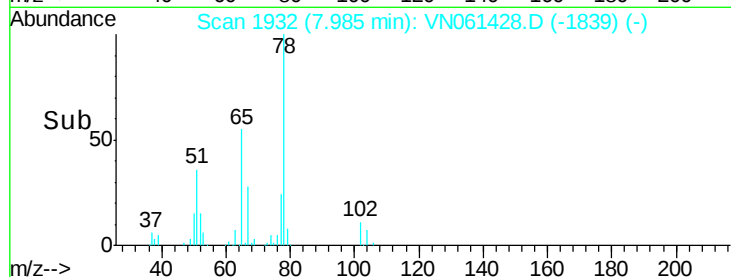
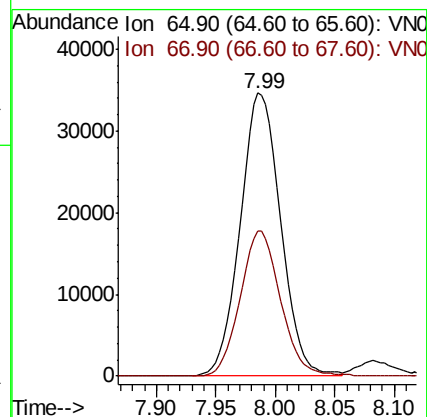
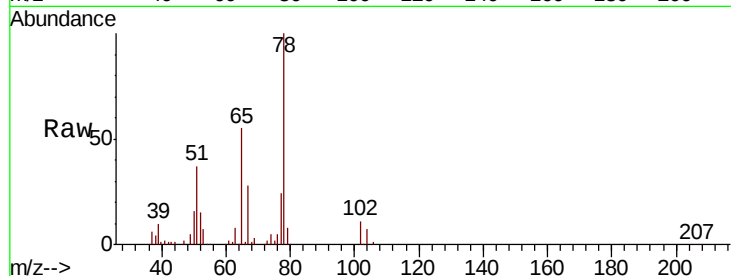
VSTDIC020

Tot Ion: 65 Resp: 81770

Ion Ratio Lower Upper

65 100

67 50.9 0.0 101.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2108

Delta R.T. -0.00 min

Lab File: VN061428.D

Acq: 18 May 2020 11:37

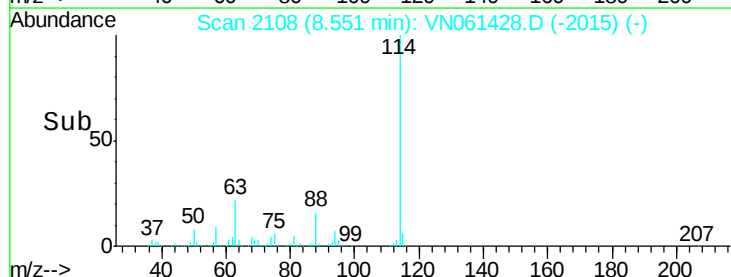
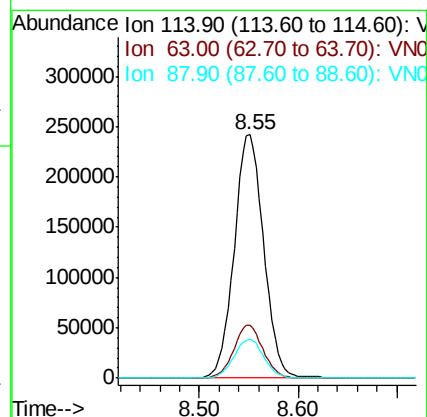
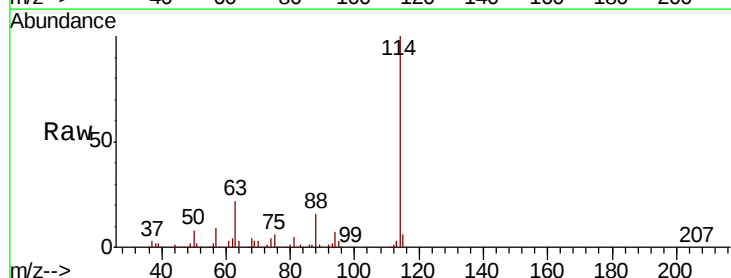
Tgt Ion: 114 Resp: 503896

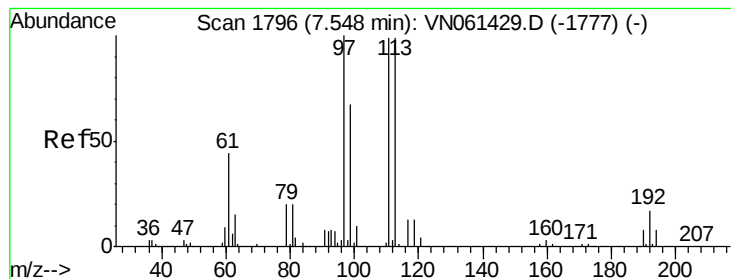
Ion Ratio Lower Upper

114 100

63 21.6 0.0 40.8

88 15.8 0.0 30.8





#35

Dibromofluoromethane

Concen: 21.909 ug/l

RT: 7.55 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VN061428.D

Acq: 18 May 2020 11:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

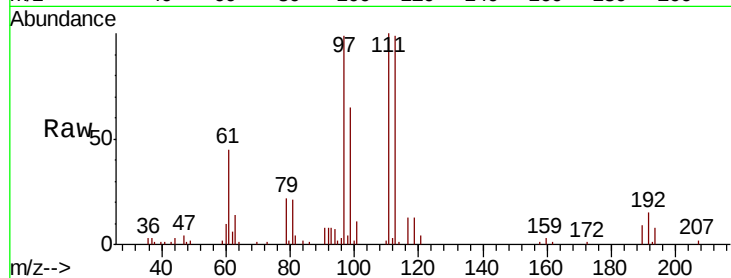
Tot Ion:113 Resp: 55469

Ion Ratio Lower Upper

113 100

111 104.1 80.6 121.0

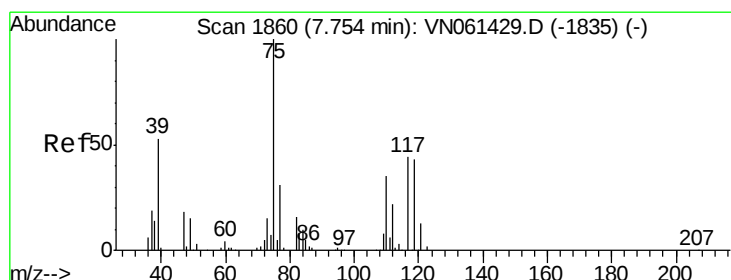
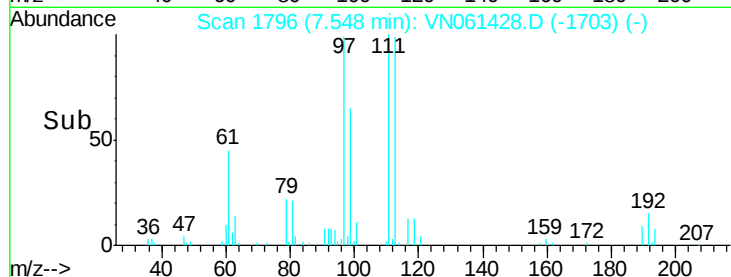
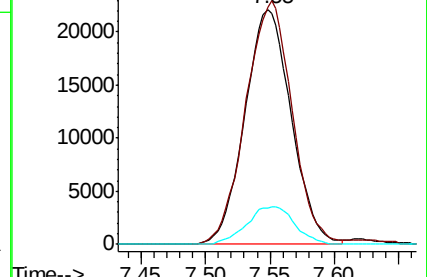
192 16.6 13.2 19.8



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 18.052 ug/l

RT: 7.75 min Scan# 1859

Delta R.T. -0.00 min

Lab File: VN061428.D

Acq: 18 May 2020 11:37

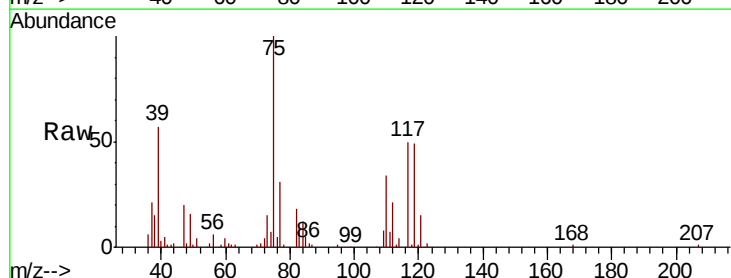
Tgt Ion: 75 Resp: 90753

Ion Ratio Lower Upper

75 100

110 33.9 17.3 51.9

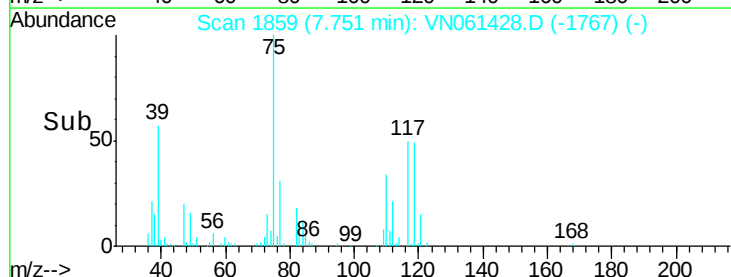
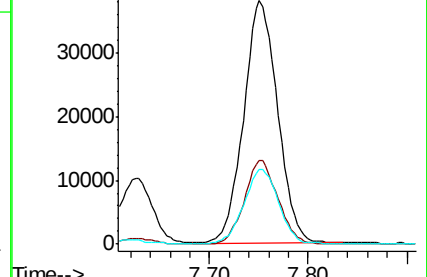
77 31.6 24.9 37.3

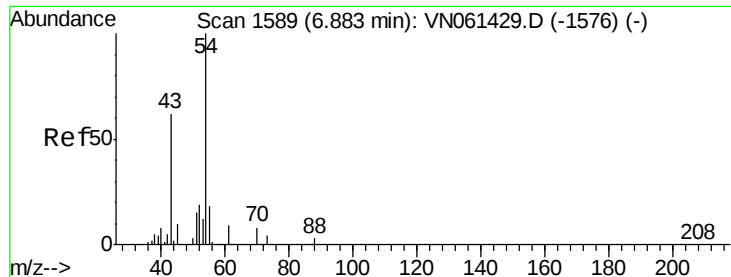


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

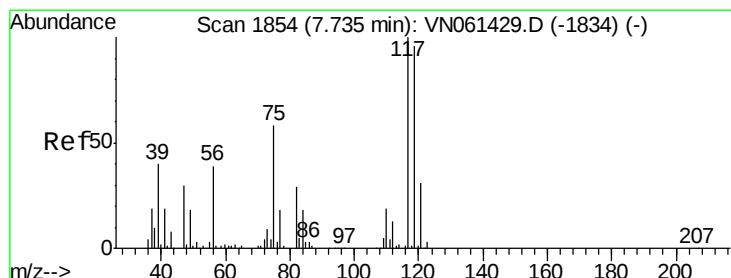
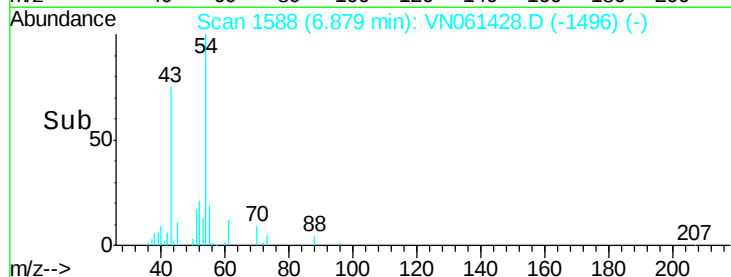
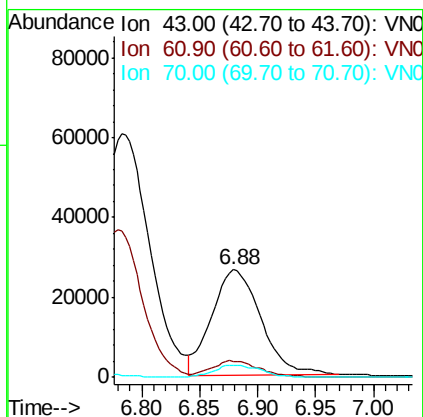
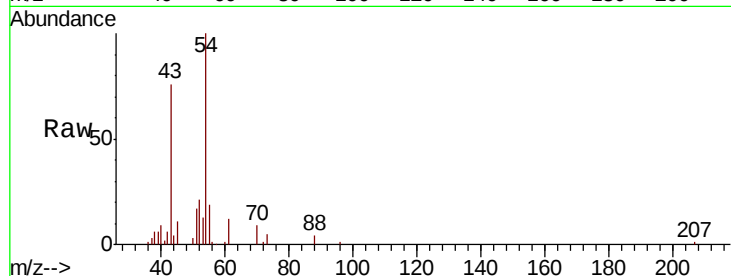




#37
Ethyl Acetate
Concen: 18.582 ug/l
RT: 6.88 min Scan# 1588
Delta R.T. -0.00 min
Lab File: VN061428.D
Acq: 18 May 2020 11:37

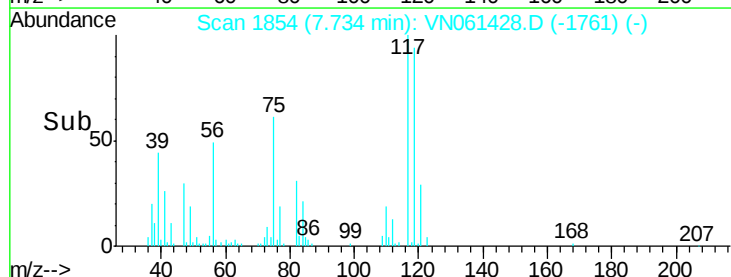
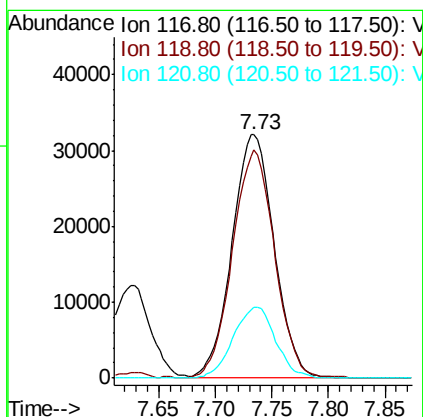
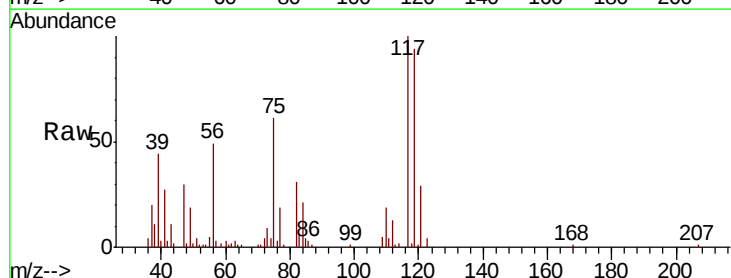
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

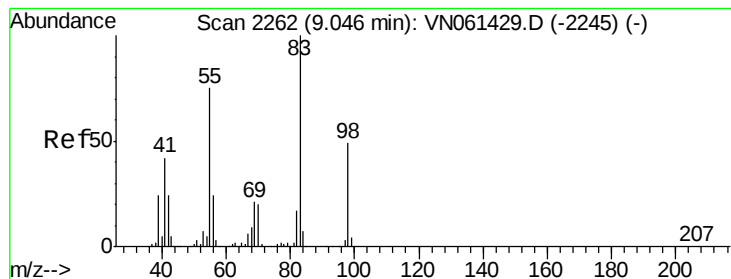
Tot Ion: 43 Resp: 77876
Ion Ratio Lower Upper
43 100
61 15.2 11.7 17.5
70 11.4 9.2 13.8



#38
Carbon Tetrachloride
Concen: 19.328 ug/l
RT: 7.73 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VN061428.D
Acq: 18 May 2020 11:37

Tgt Ion: 117 Resp: 83297
Ion Ratio Lower Upper
117 100
119 93.9 77.0 115.6
121 28.9 24.7 37.1





#39

Methvlcvclohexane

Concen: 18.634 ug/l

RT: 9.05 min Scan# 2262

Delta R.T. -0.00 min

Lab File: VN061428.D

Acq: 18 May 2020 11:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

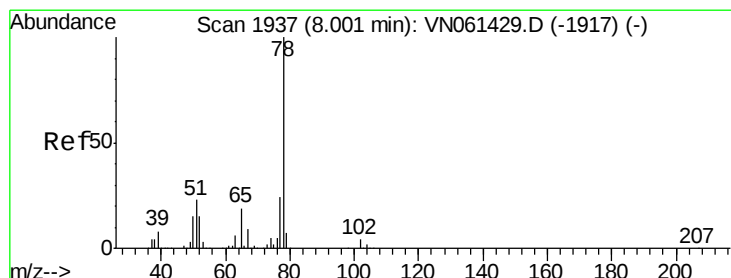
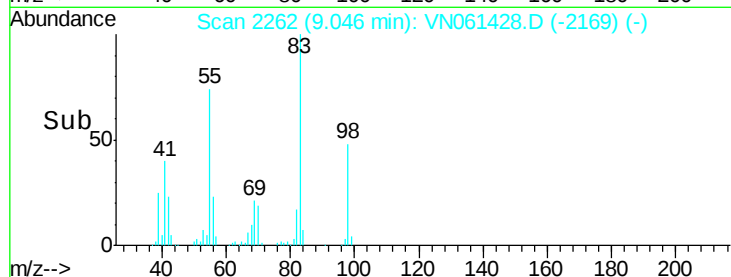
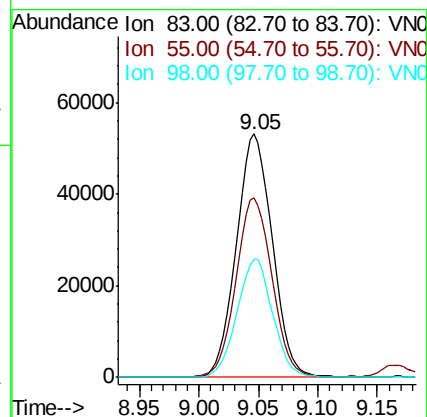
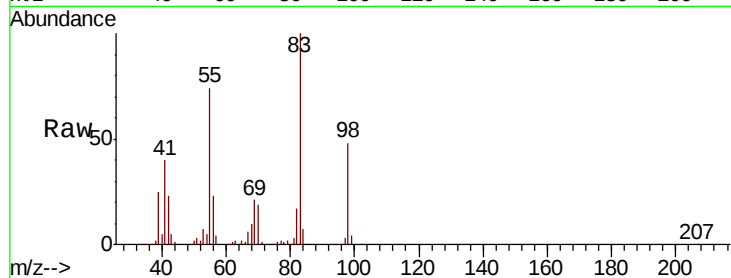
Tot Ion: 83 Resp: 111486

Ion Ratio Lower Upper

83 100

55 73.9 59.7 89.5

98 48.5 38.9 58.3



#40

Benzene

Concen: 18.350 ug/l

RT: 8.00 min Scan# 1937

Delta R.T. -0.00 min

Lab File: VN061428.D

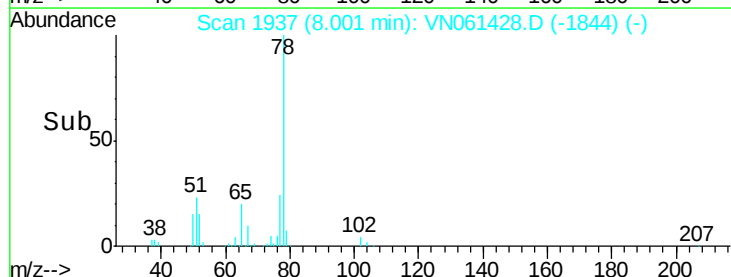
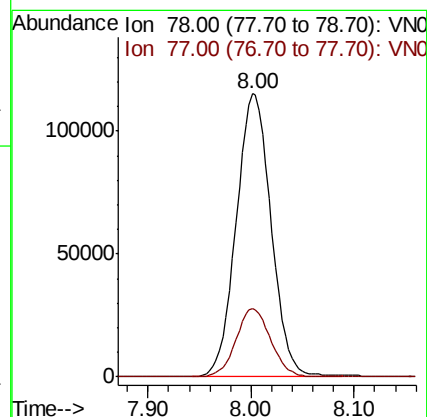
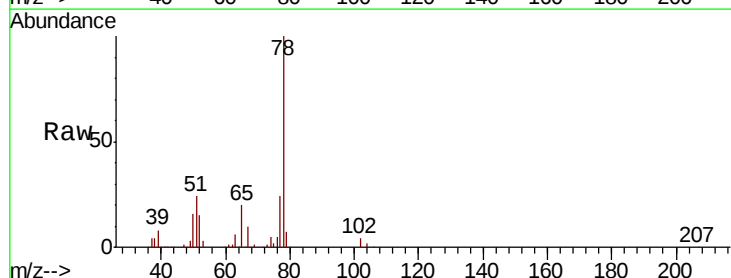
Acq: 18 May 2020 11:37

Tgt Ion: 78 Resp: 271507

Ion Ratio Lower Upper

78 100

77 24.2 19.1 28.7

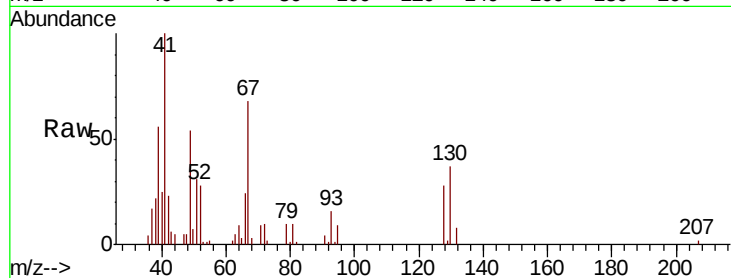




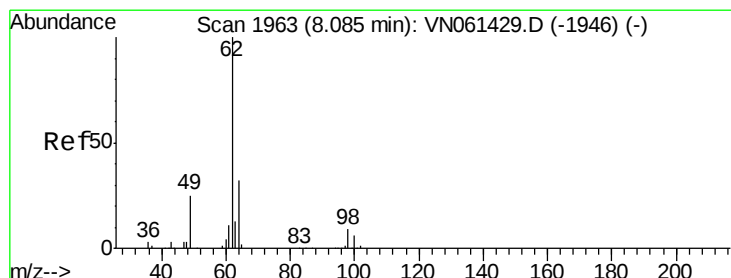
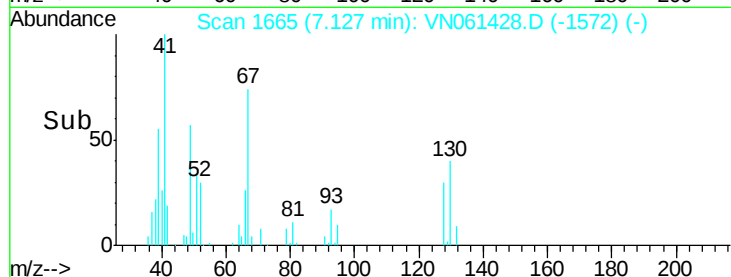
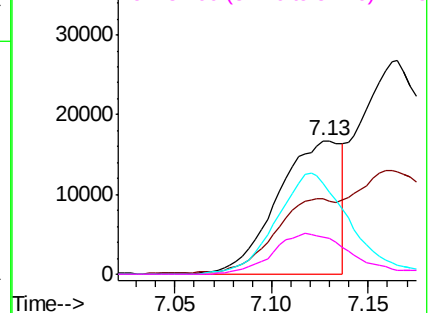
#41
Methacrylonitrile
Concen: 19.766 ug/l
RT: 7.13 min Scan# 1665
Delta R.T. -0.00 min
Lab File: VN061428.D
Acq: 18 May 2020 11:37

Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

Tot Ion: 41 Resp: 38440
Ion Ratio Lower Upper
41 100
39 51.5 48.3 72.5
67 86.7 74.2 111.4
52 37.7 30.8 46.2

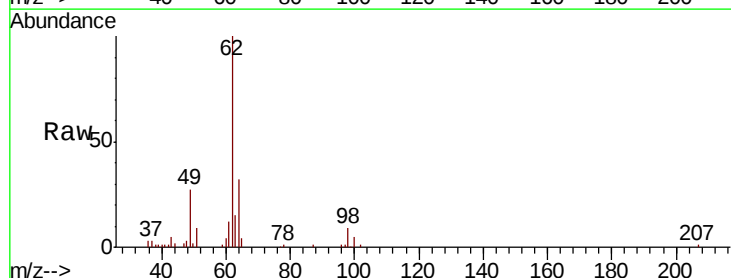


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

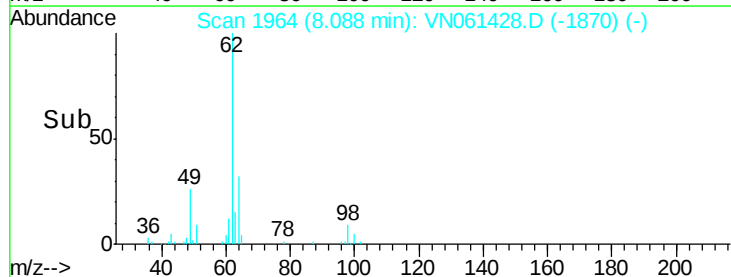
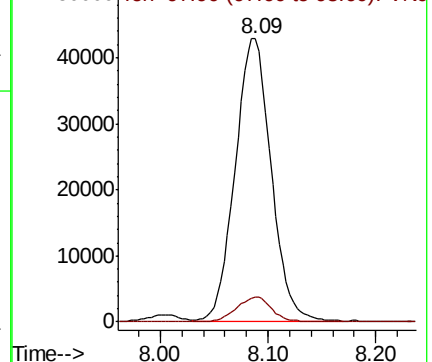


#42
1,2-Dichloroethane
Concen: 18.885 ug/l
RT: 8.09 min Scan# 1964
Delta R.T. 0.00 min
Lab File: VN061428.D
Acq: 18 May 2020 11:37

Tgt Ion: 62 Resp: 100440
Ion Ratio Lower Upper
62 100
98 8.4 0.0 18.4



Abundance Ion 61.90 (61.60 to 62.60): VN0
Ion 97.90 (97.60 to 98.60): VN0



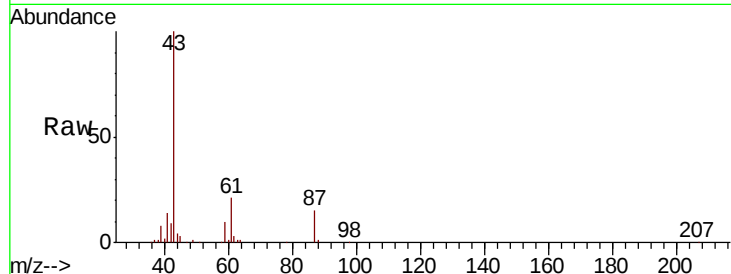


#43

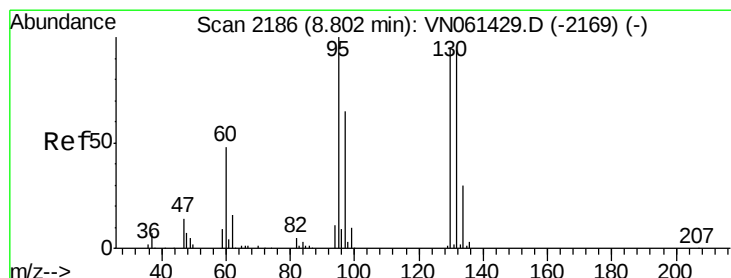
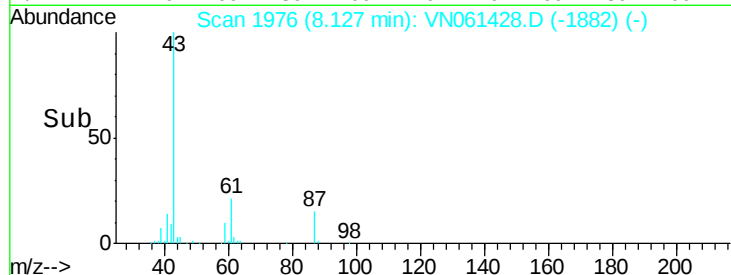
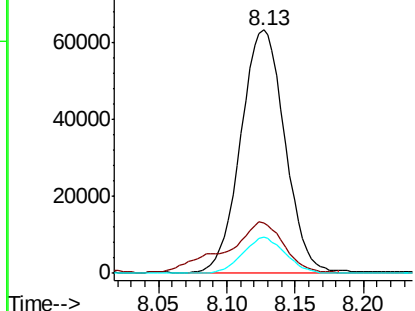
Isopropyl Acetate
 Concen: 17.477 ug/l
 RT: 8.13 min Scan# 1976
 Delta R.T. 0.00 min
 Lab File: VN061428.D
 Acq: 18 May 2020 11:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	43	Resp	140831
Ion Ratio	Lower	Upper	
43	100		
61	28.3	23.0	34.4
87	14.4	11.6	17.4



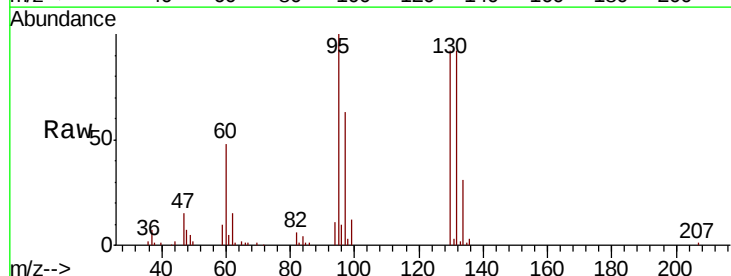
Abundance Ion 43.00 (42.70 to 43.70): VN061428.D (-1882) (-)
 Ion 61.00 (60.70 to 61.70): VN061428.D (-1882) (-)
 Ion 87.00 (86.70 to 87.70): VN061428.D (-1882) (-)



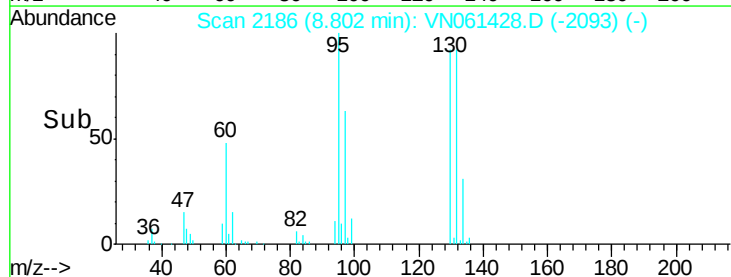
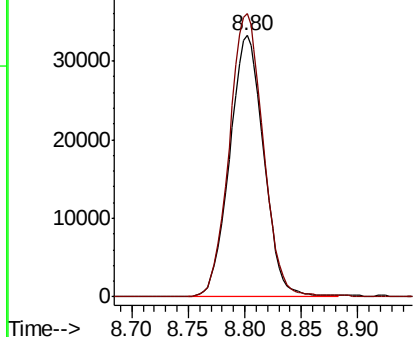
#44

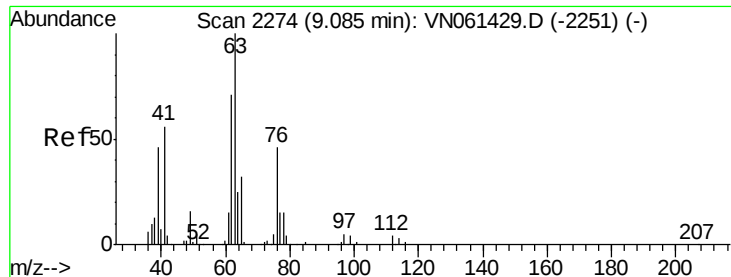
Trichloroethene
 Concen: 18.281 ug/l
 RT: 8.80 min Scan# 2186
 Delta R.T. -0.00 min
 Lab File: VN061428.D
 Acq: 18 May 2020 11:37

Tgt Ion	130	Resp	69894
Ion Ratio	Lower	Upper	
130	100		
95	108.3	0.0	209.8



Abundance Ion 129.80 (129.50 to 130.50): VN061428.D (-2093) (-)
 Ion 94.90 (94.60 to 95.60): VN061428.D (-2093) (-)





#45

1,2-Dichloropropane

Concen: 18.945 ug/l

RT: 9.08 min Scan# 2274

Delta R.T. -0.00 min

Lab File: VN061428.D

Acq: 18 May 2020 11:37

Instrument :

MSVOA_N

ClientSampleId :

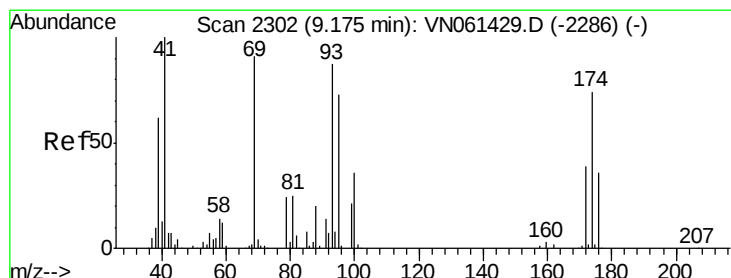
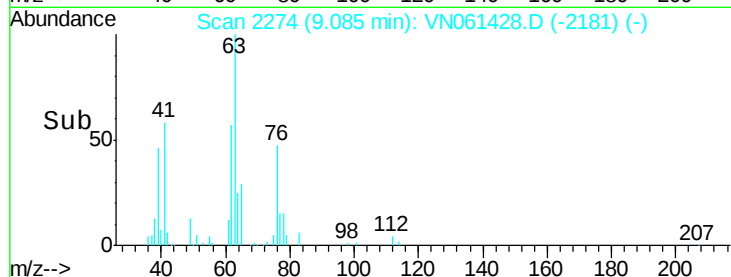
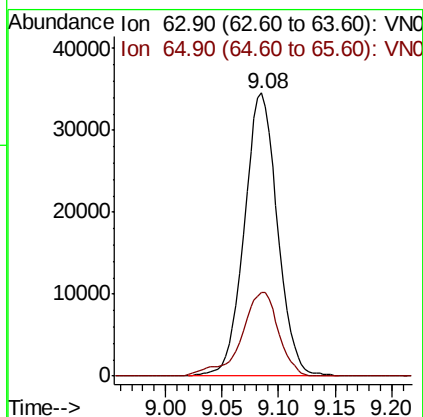
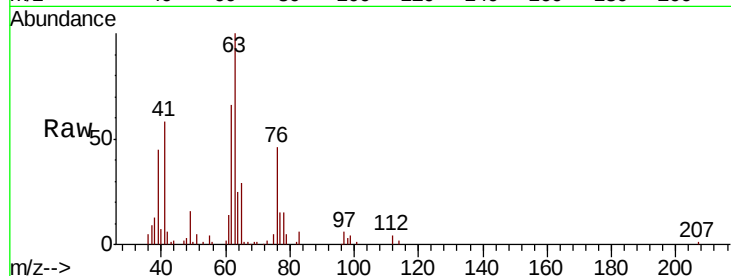
VSTDIC020

Tot Ion: 63 Resp: 70611

Ion Ratio Lower Upper

63 100

65 29.4 25.2 37.8



#46

Dibromomethane

Concen: 18.894 ug/l

RT: 9.17 min Scan# 2302

Delta R.T. -0.00 min

Lab File: VN061428.D

Acq: 18 May 2020 11:37

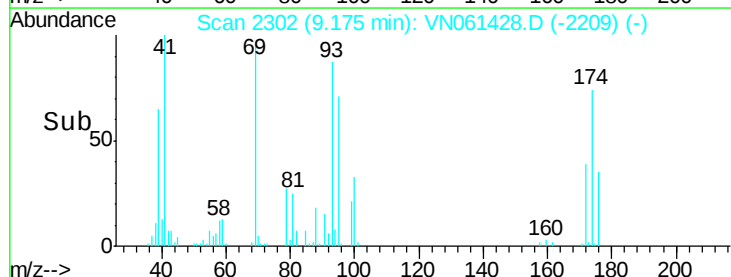
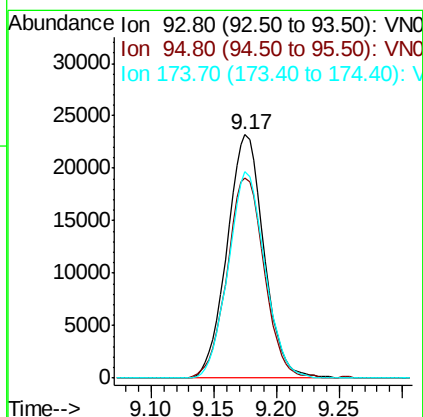
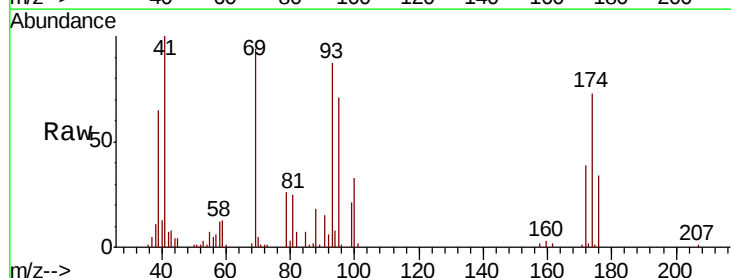
Tgt Ion: 93 Resp: 47354

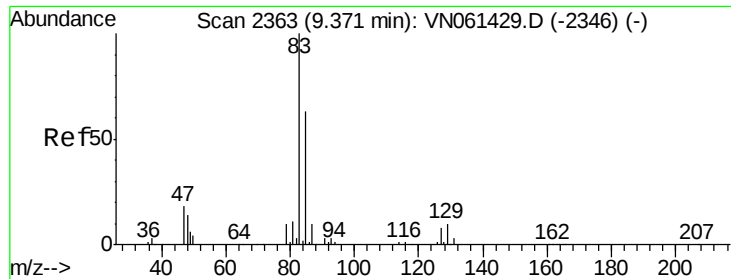
Ion Ratio Lower Upper

93 100

95 83.1 65.6 98.4

174 84.4 68.0 102.0





#47

Bromodichloromethane

Concen: 18.788 ug/l

RT: 9.37 min Scan# 2362

Delta R.T. -0.00 min

Lab File: VN061428.D

Acq: 18 May 2020 11:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

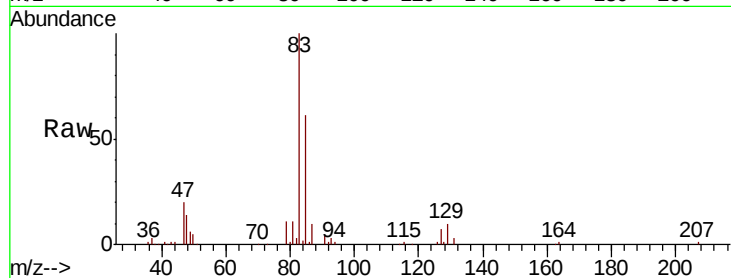
Tot Ion: 83 Resp: 102228

Ion Ratio Lower Upper

83 100

85 60.9 50.6 76.0

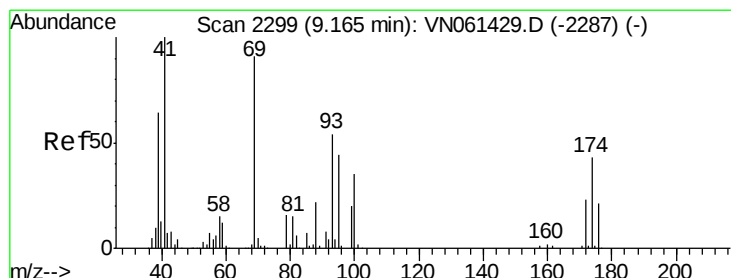
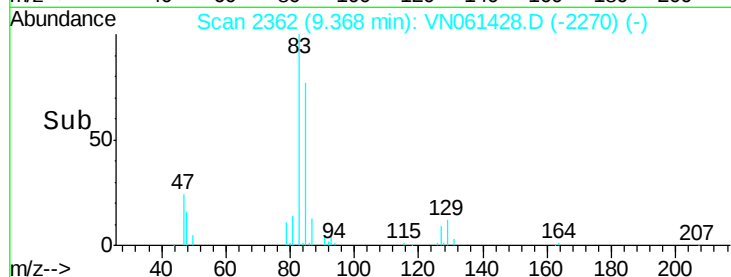
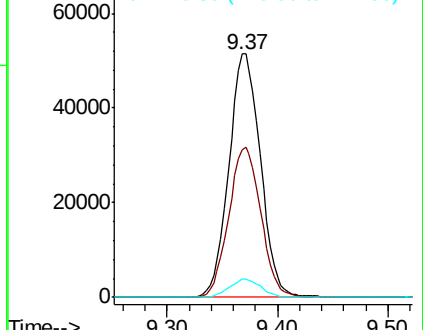
127 7.3 6.1 9.1



Abundance Ion 82.90 (82.60 to 83.60): VN061428.D (-2270) (-)

Ion 84.90 (84.60 to 85.60): VN061428.D (-2270) (-)

Ion 126.80 (126.50 to 127.50): VN061428.D (-2270) (-)



#48

Methyl methacrylate

Concen: 17.335 ug/l

RT: 9.17 min Scan# 2299

Delta R.T. -0.00 min

Lab File: VN061428.D

Acq: 18 May 2020 11:37

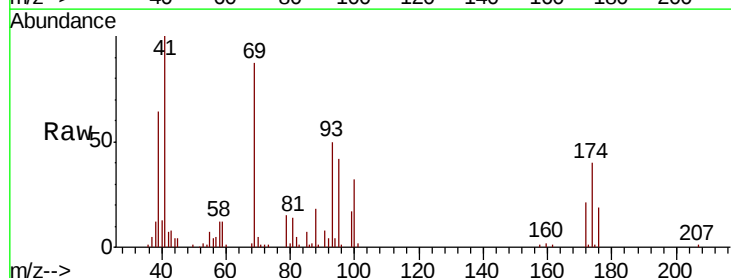
Tgt Ion: 41 Resp: 63210

Ion Ratio Lower Upper

41 100

69 93.6 75.3 112.9

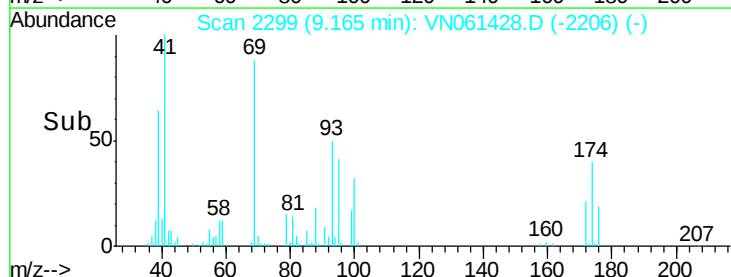
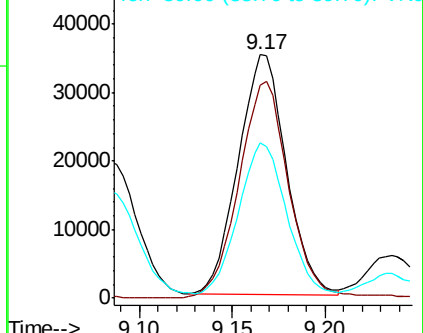
39 65.3 52.6 79.0

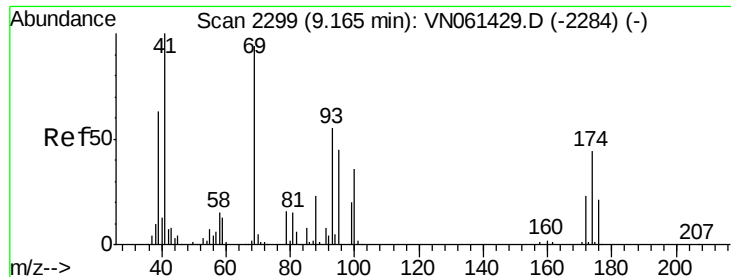


Abundance Ion 41.00 (40.70 to 41.70): VN061428.D (-2206) (-)

Ion 69.00 (68.70 to 69.70): VN061428.D (-2206) (-)

Ion 39.00 (38.70 to 39.70): VN061428.D (-2206) (-)

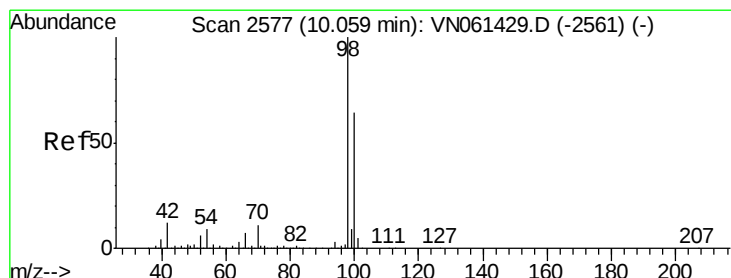
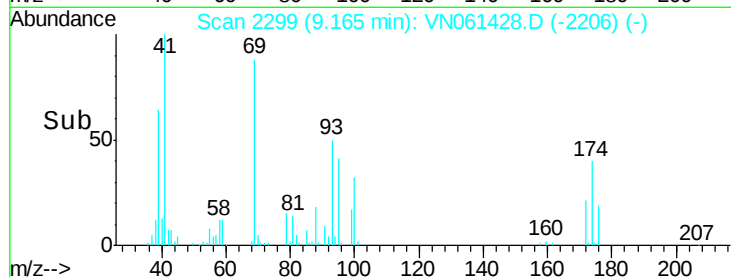
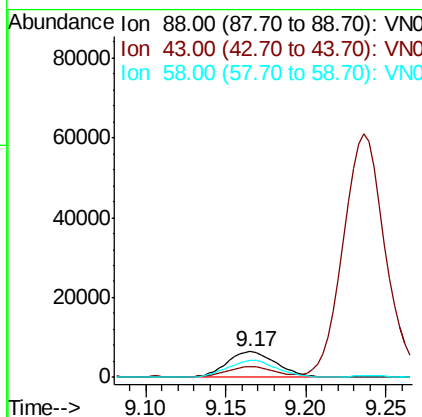
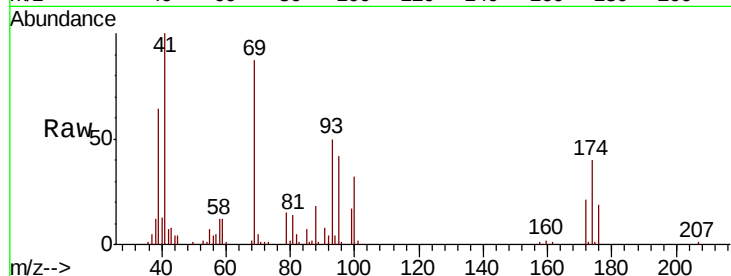




#49
 1,4-Dioxane
 Concen: 575.434 ug/l
 RT: 9.17 min Scan# 2299
 Delta R.T. -0.00 min
 Lab File: VN061428.D
 Acq: 18 May 2020 11:37

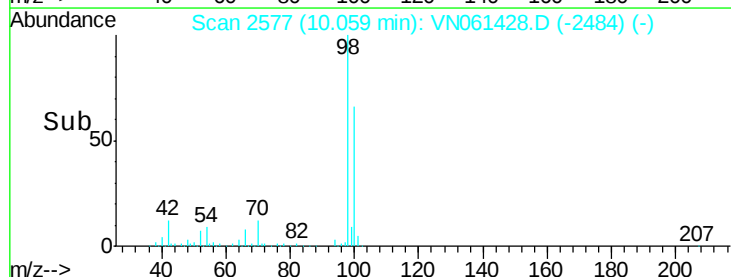
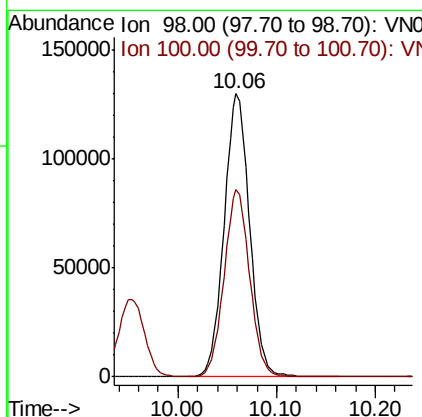
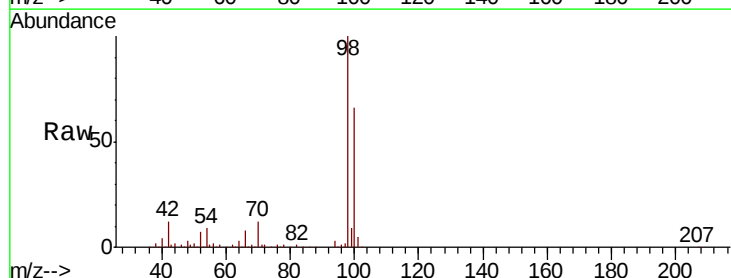
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

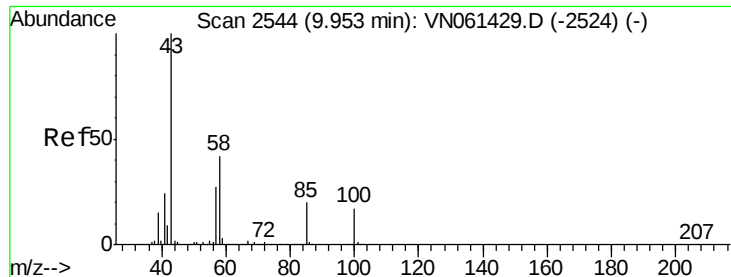
Tot Ion: 88 Resp: 13610
 Ion Ratio Lower Upper
 88 100
 43 42.0 26.3 39.5#
 58 66.0 54.1 81.1



#50
 Toluene-d8
 Concen: 18.821 ug/l
 RT: 10.06 min Scan# 2577
 Delta R.T. -0.00 min
 Lab File: VN061428.D
 Acq: 18 May 2020 11:37

Tgt Ion: 98 Resp: 235346
 Ion Ratio Lower Upper
 98 100
 100 65.7 51.8 77.8





#51

4-Methyl-2-Pentanone

Concen: 92.667 ug/l

RT: 9.95 min Scan# 2544

Delta R.T. -0.00 min

Lab File: VN061428.D

Acq: 18 May 2020 11:37

Instrument :

MSVOA_N

ClientSampleId :

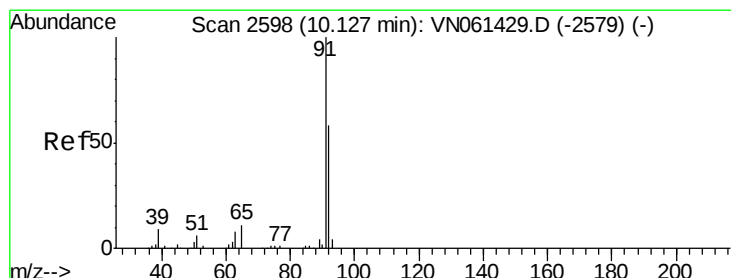
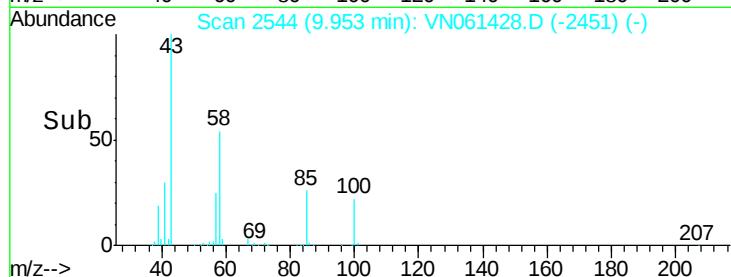
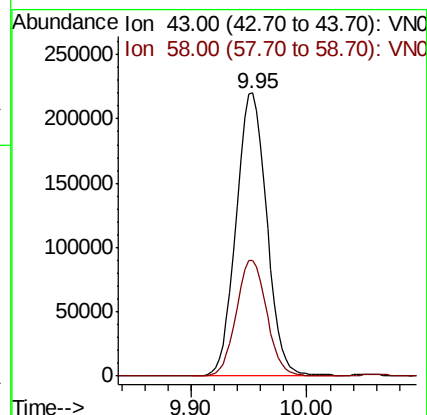
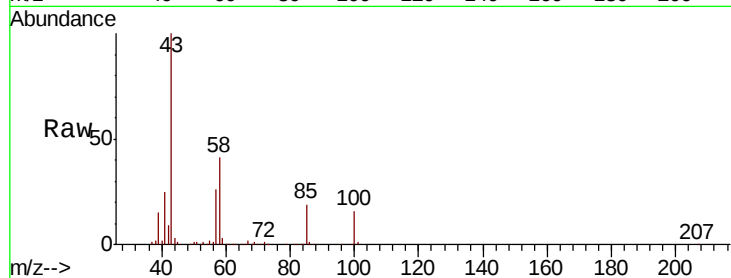
VSTDIC020

Tot Ion: 43 Resp: 402093

Ion Ratio Lower Upper

43 100

58 40.7 33.4 50.2



#52

Toluene

Concen: 18.073 ug/l

RT: 10.12 min Scan# 2597

Delta R.T. -0.00 min

Lab File: VN061428.D

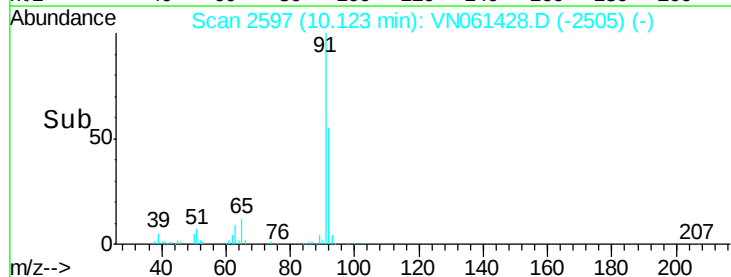
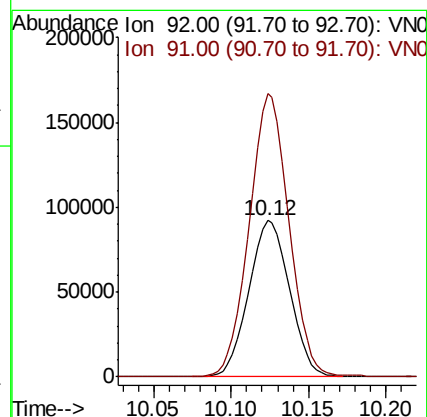
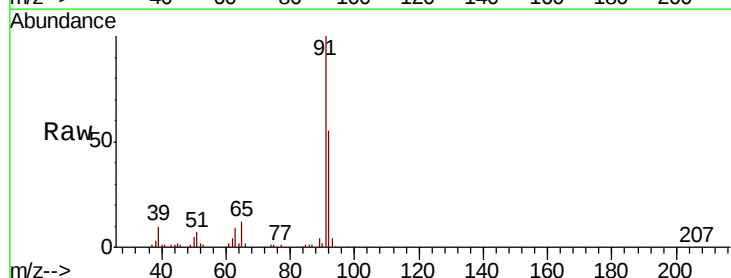
Acq: 18 May 2020 11:37

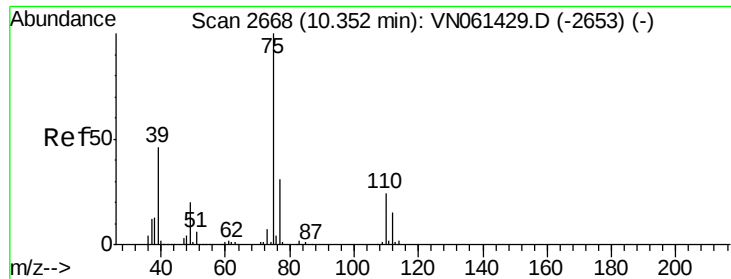
Tgt Ion: 92 Resp: 169737

Ion Ratio Lower Upper

92 100

91 176.4 138.0 207.0





#53

t-1,3-Dichloropropene

Concen: 18.515 ug/l

RT: 10.35 min Scan# 2668

Delta R.T. -0.00 min

Lab File: VN061428.D

Acq: 18 May 2020 11:37

Instrument :

MSVOA_N

ClientSampleId :

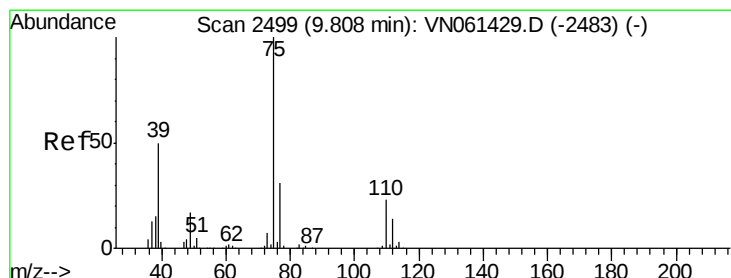
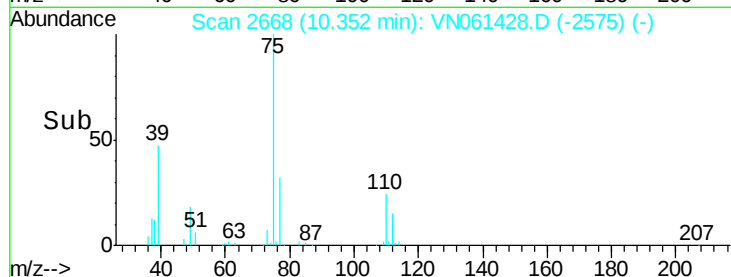
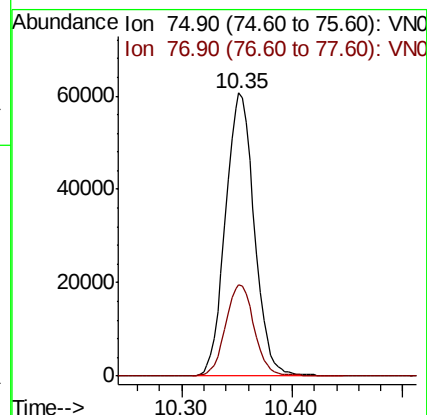
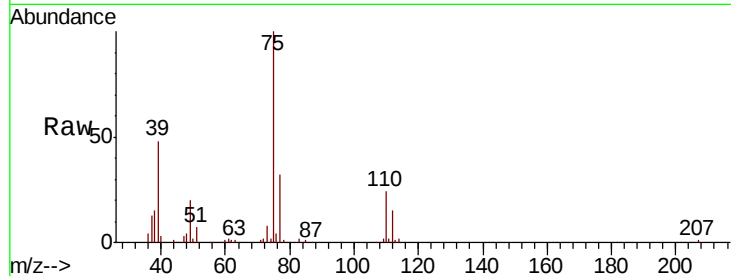
VSTDIC020

Tot Ion: 75 Resp: 110174

Ion Ratio Lower Upper

75 100

77 32.4 24.8 37.2



#54

cis-1,3-Dichloropropene

Concen: 18.855 ug/l

RT: 9.81 min Scan# 2499

Delta R.T. -0.00 min

Lab File: VN061428.D

Acq: 18 May 2020 11:37

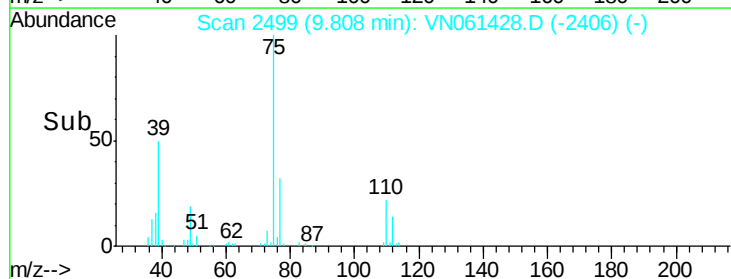
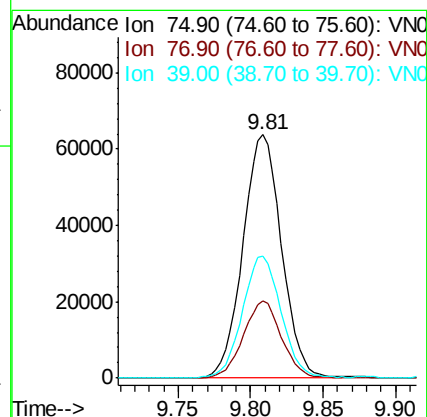
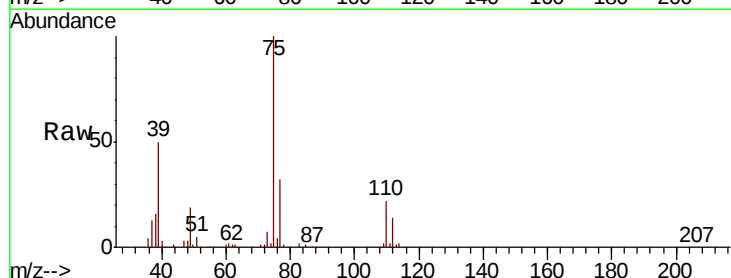
Tgt Ion: 75 Resp: 118334

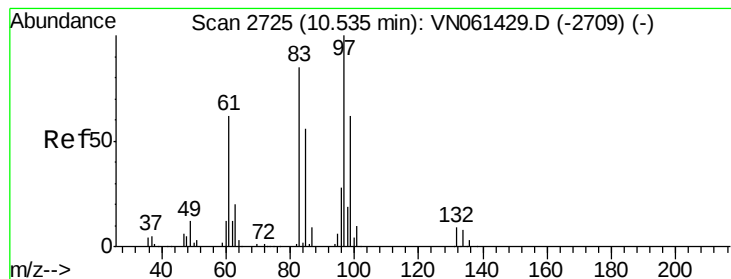
Ion Ratio Lower Upper

75 100

77 31.9 24.8 37.2

39 49.9 39.8 59.6





#55

1,1,2-Trichloroethane

Concen: 18.901 ug/l

RT: 10.53 min Scan# 2724

Delta R.T. -0.00 min

Lab File: VN061428.D

Acq: 18 May 2020 11:37

Instrument :

MSVOA_N

ClientSampled :

VSTDIC020

Tot Ion: 97 Resp: 66048

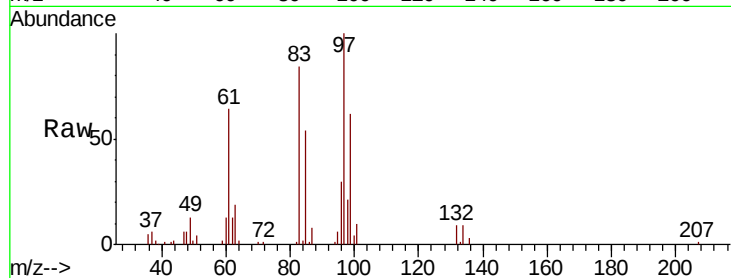
Ion Ratio Lower Upper

97 100

83 83.8 68.2 102.4

85 54.2 44.6 67.0

99 62.0 49.5 74.3

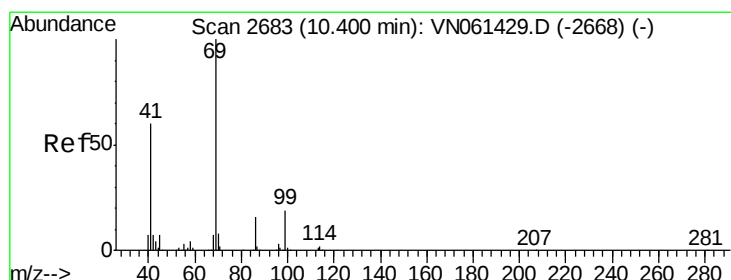
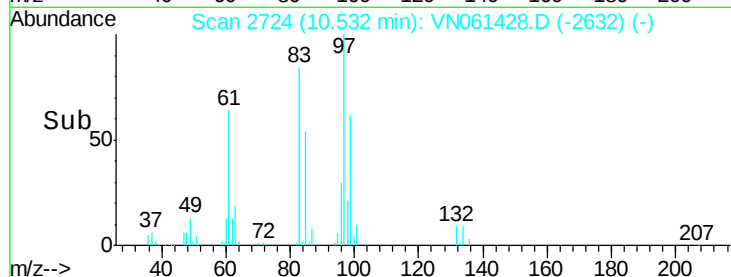
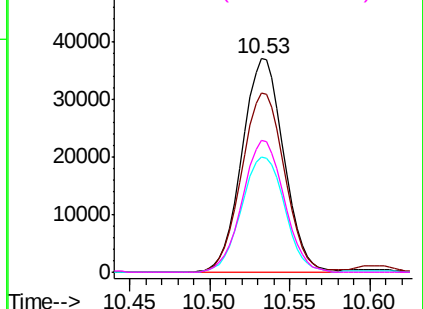


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 18.097 ug/l

RT: 10.40 min Scan# 2683

Delta R.T. -0.00 min

Lab File: VN061428.D

Acq: 18 May 2020 11:37

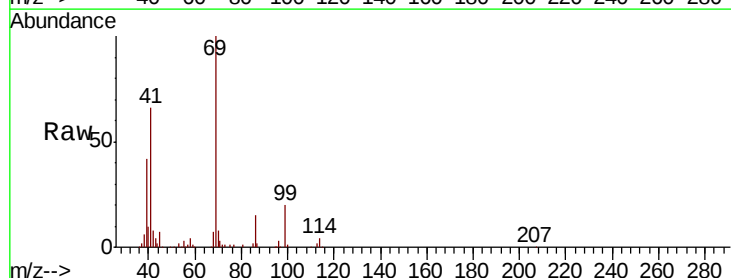
Tgt Ion: 69 Resp: 103395

Ion Ratio Lower Upper

69 100

41 63.6 48.3 72.5

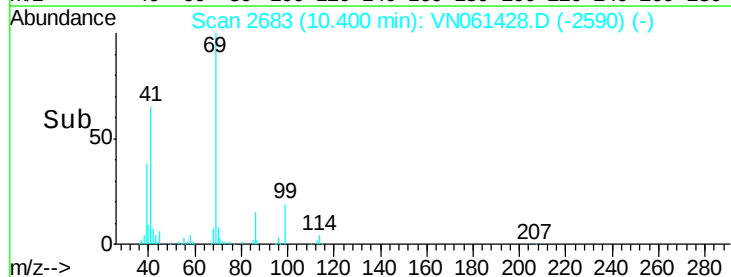
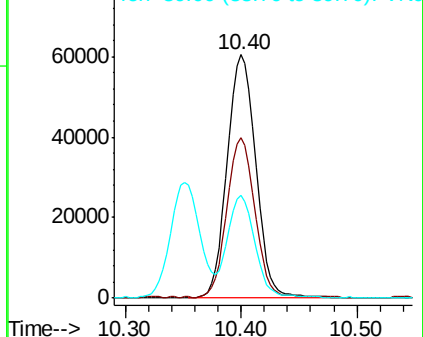
39 38.9 30.2 45.2

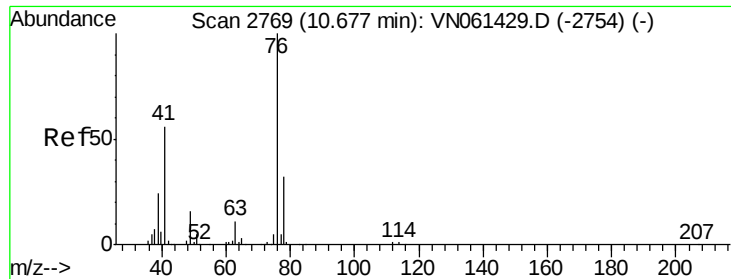


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 18.835 ug/l

RT: 10.68 min Scan# 2770

Delta R.T. 0.00 min

Lab File: VN061428.D

Acq: 18 May 2020 11:37

Instrument :

MSVOA_N

ClientSampled :

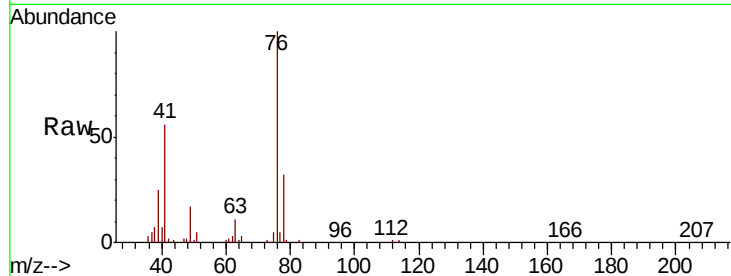
VSTDIC020

Tot Ion: 76 Resp: 114672

Ion Ratio Lower Upper

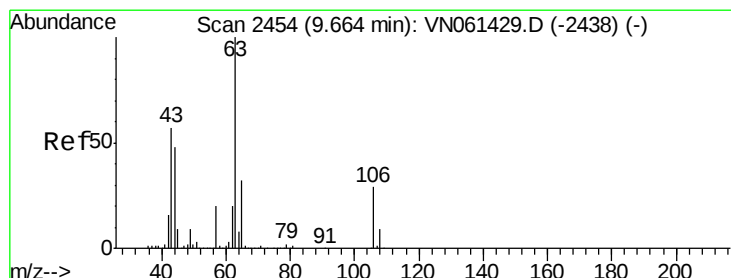
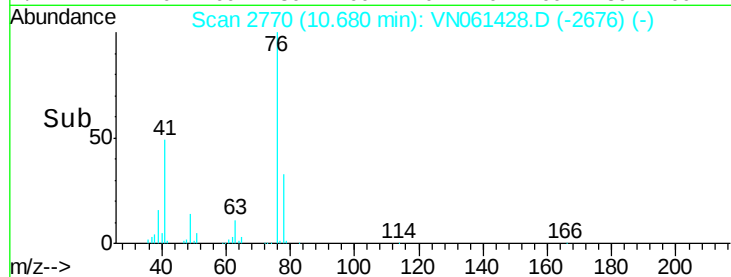
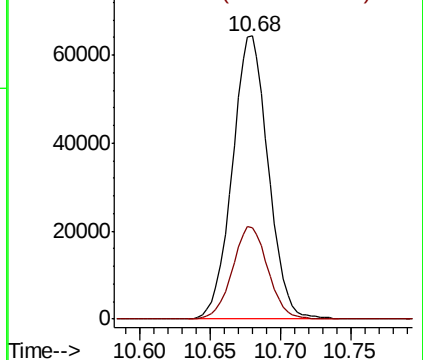
76 100

78 32.4 26.0 39.0



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 89.177 ug/l

RT: 9.66 min Scan# 2454

Delta R.T. -0.00 min

Lab File: VN061428.D

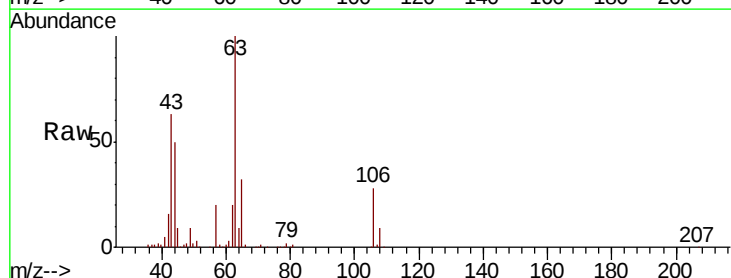
Acq: 18 May 2020 11:37

Tgt Ion: 63 Resp: 215206

Ion Ratio Lower Upper

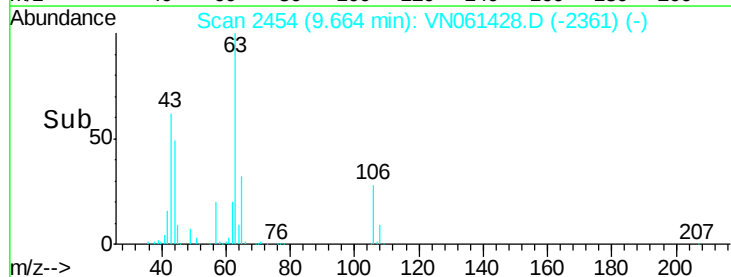
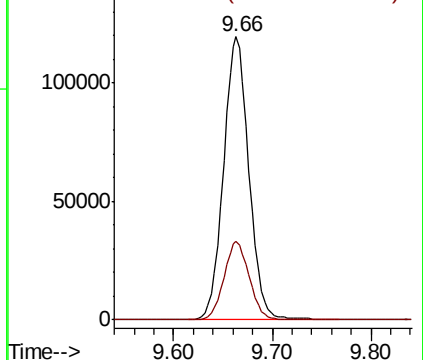
63 100

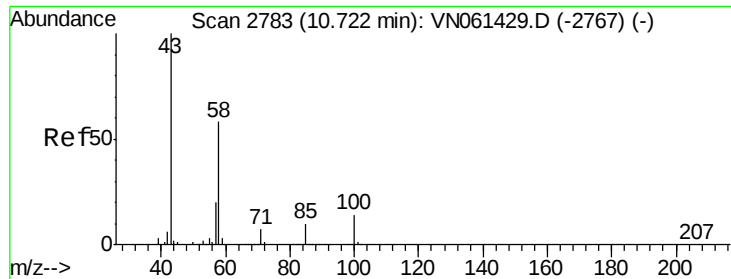
106 27.6 22.7 34.1



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

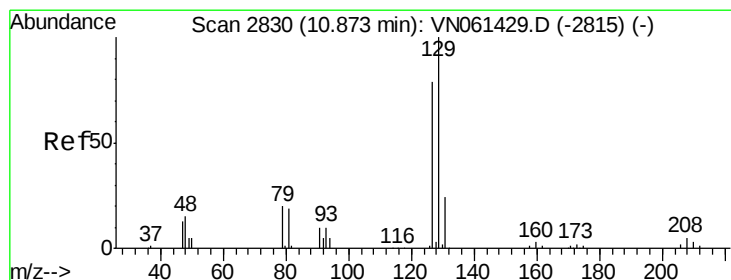
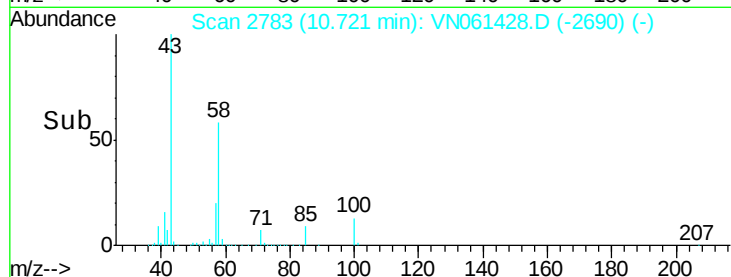
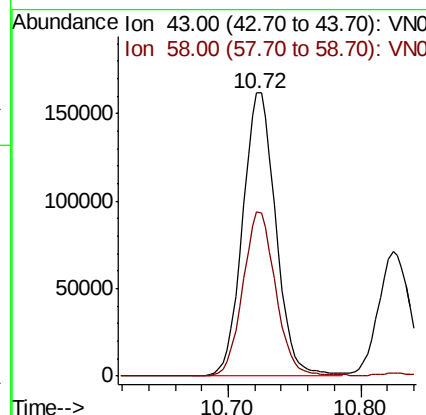
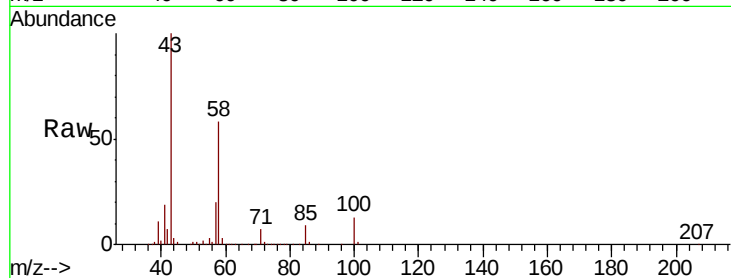




#59
2-Hexanone
Concen: 94.252 ug/l
RT: 10.72 min Scan# 2783
Delta R.T. -0.00 min
Lab File: VN061428.D
Acq: 18 May 2020 11:37

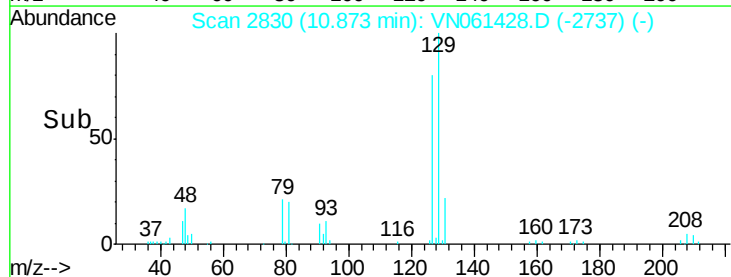
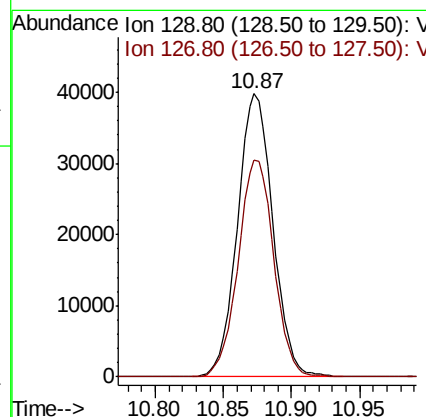
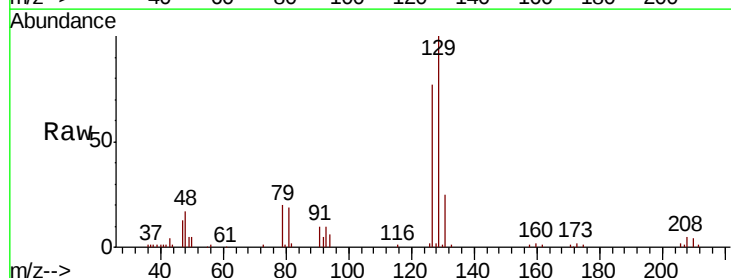
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

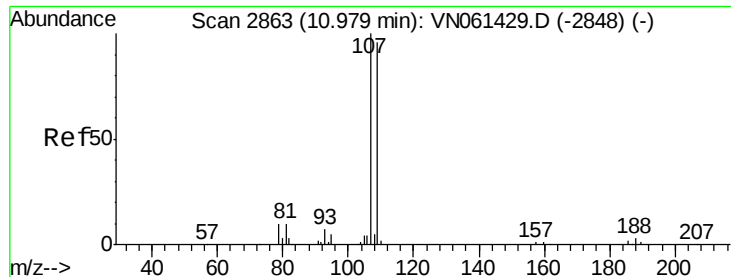
Tot Ion: 43 Resp: 280158
Ion Ratio Lower Upper
43 100
58 57.8 29.2 87.6



#60
Dibromochloromethane
Concen: 18.459 ug/l
RT: 10.87 min Scan# 2830
Delta R.T. -0.00 min
Lab File: VN061428.D
Acq: 18 May 2020 11:37

Tgt Ion: 129 Resp: 71714
Ion Ratio Lower Upper
129 100
127 77.2 38.8 116.3

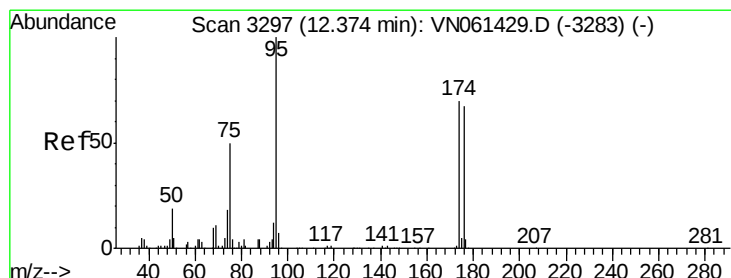
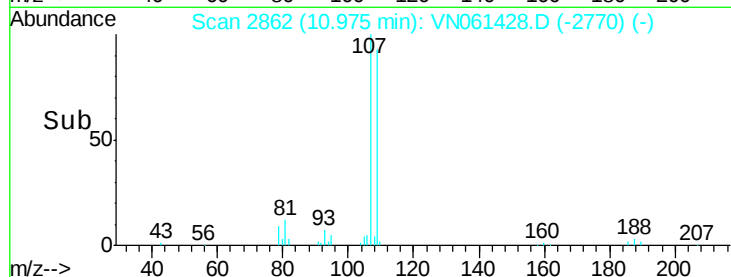
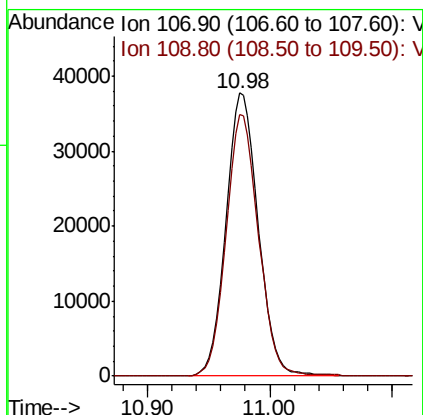
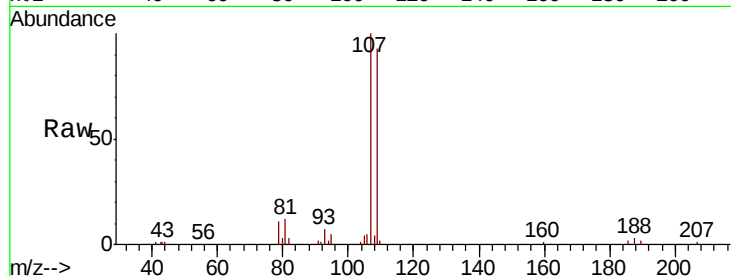




#61
 1,2-Dibromoethane
 Concen: 18.976 ug/l
 RT: 10.98 min Scan# 2862
 Delta R.T. -0.00 min
 Lab File: VN061428.D
 Acq: 18 May 2020 11:37

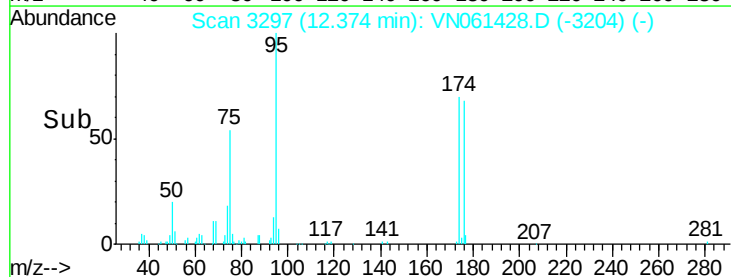
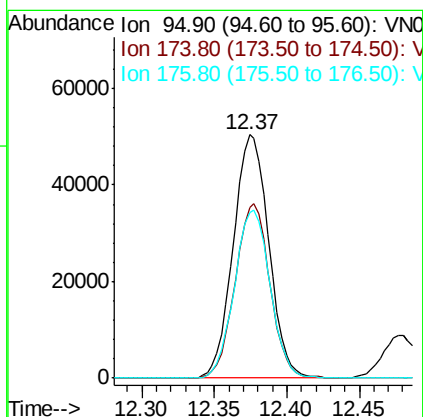
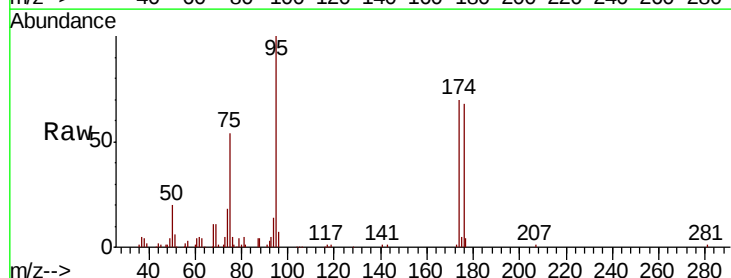
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

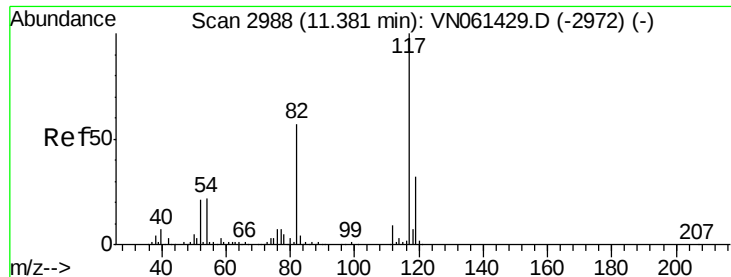
Tot Ion:107 Resp: 69744
 Ion Ratio Lower Upper
 107 100
 109 92.4 75.7 113.5



#62
 4-Bromofluorobenzene
 Concen: 18.610 ug/l
 RT: 12.37 min Scan# 3297
 Delta R.T. -0.00 min
 Lab File: VN061428.D
 Acq: 18 May 2020 11:37

Tgt Ion: 95 Resp: 85876
 Ion Ratio Lower Upper
 95 100
 174 69.9 0.0 141.2
 176 69.2 0.0 137.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 2988

Delta R.T. -0.00 min

Lab File: VN061428.D

Acq: 18 May 2020 11:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

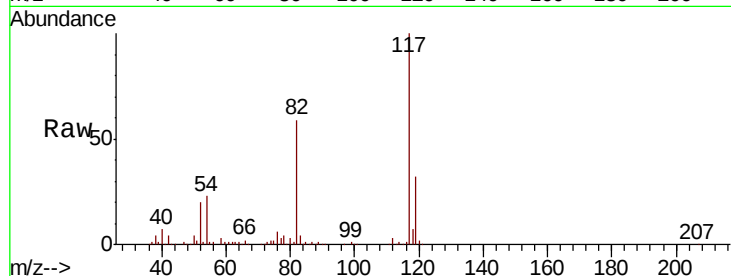
Tot Ion:117 Resp: 469937

Ion Ratio Lower Upper

117 100

82 59.3 45.2 67.8

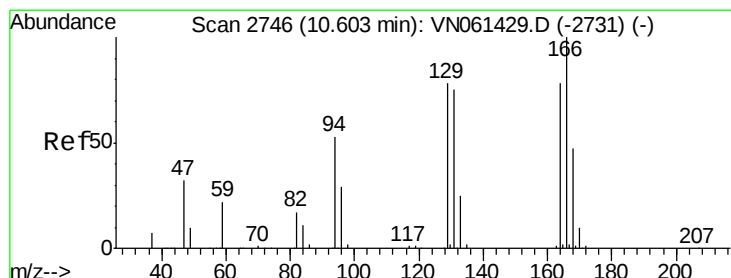
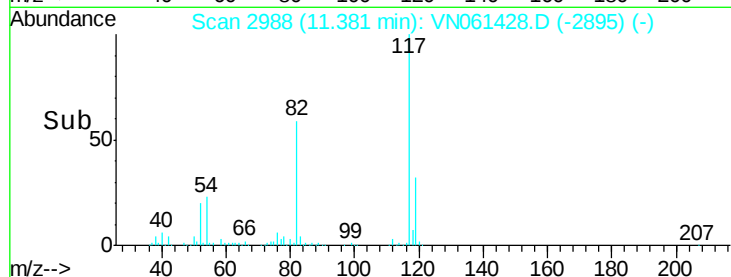
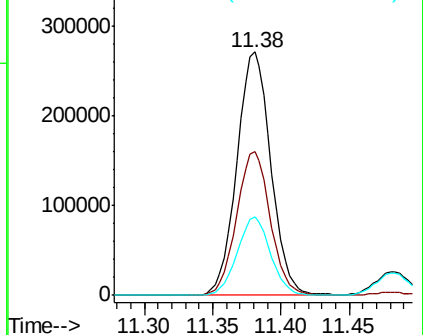
119 32.4 25.3 37.9



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VN

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 18.355 ug/l

RT: 10.60 min Scan# 2746

Delta R.T. -0.00 min

Lab File: VN061428.D

Acq: 18 May 2020 11:37

Tgt Ion:164 Resp: 67531

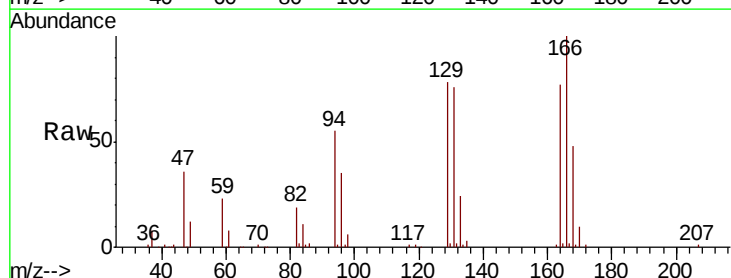
Ion Ratio Lower Upper

164 100

166 129.9 103.2 154.8

129 101.6 81.0 121.4

131 99.0 77.3 115.9

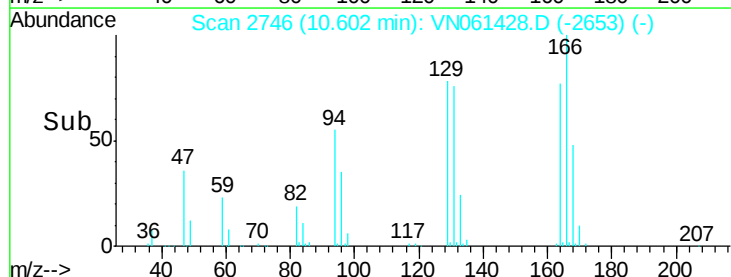
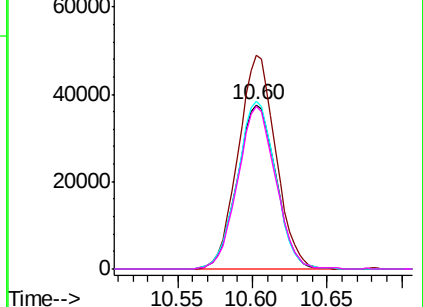


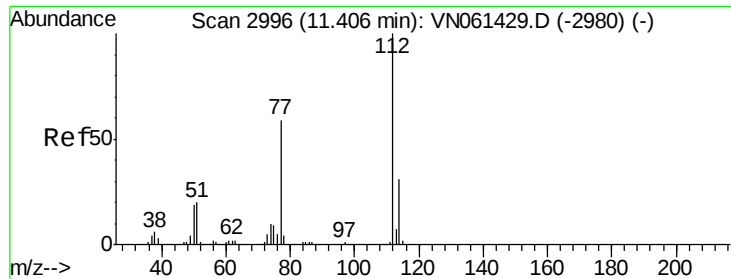
Abundance Ion 163.80 (163.50 to 164.50): V

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: 18.340 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. -0.00 min

Lab File: VN061428.D

Acq: 18 May 2020 11:37

Instrument :

MSVOA_N

ClientSampleId :

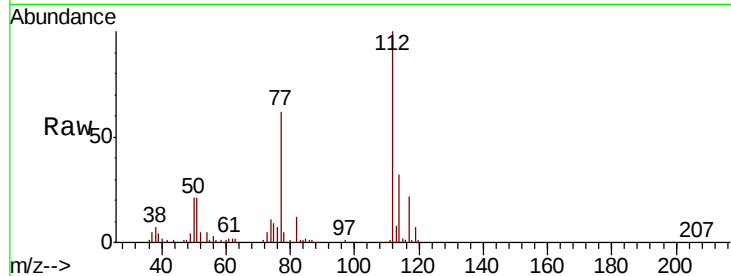
VSTDIC020

Tot Ion:112 Resp: 178878

Ion Ratio Lower Upper

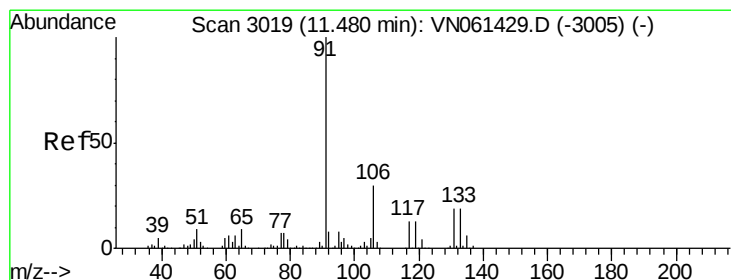
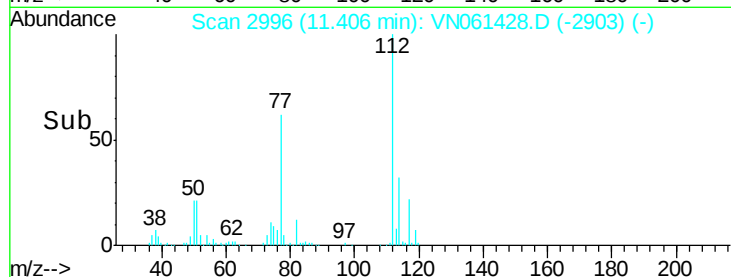
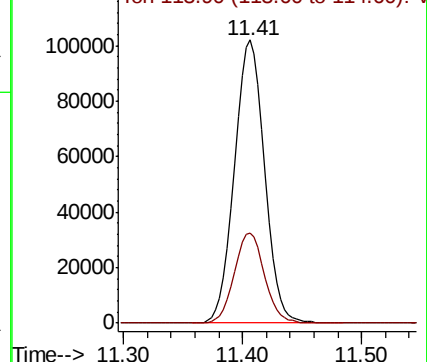
112 100

114 31.7 25.0 37.6



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 18.996 ug/l

RT: 11.48 min Scan# 3020

Delta R.T. 0.00 min

Lab File: VN061428.D

Acq: 18 May 2020 11:37

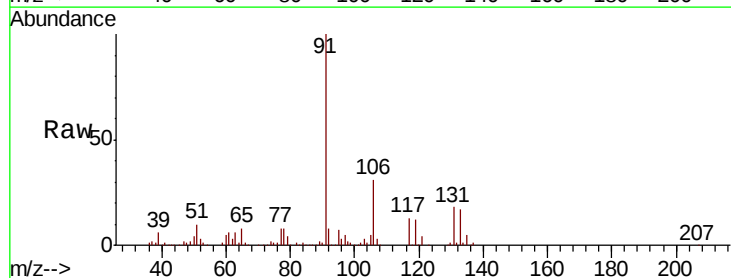
Tgt Ion:131 Resp: 65398

Ion Ratio Lower Upper

131 100

133 95.9 48.7 146.1

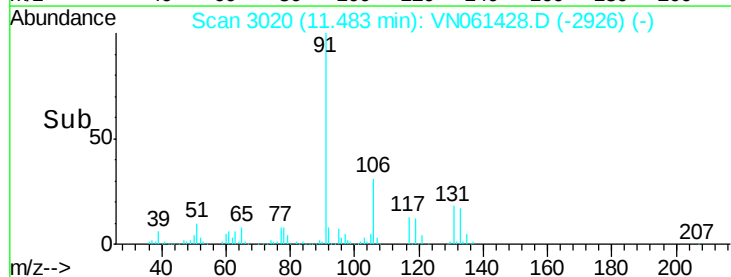
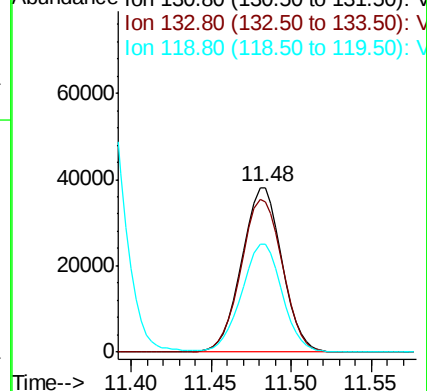
119 66.6 33.8 101.3

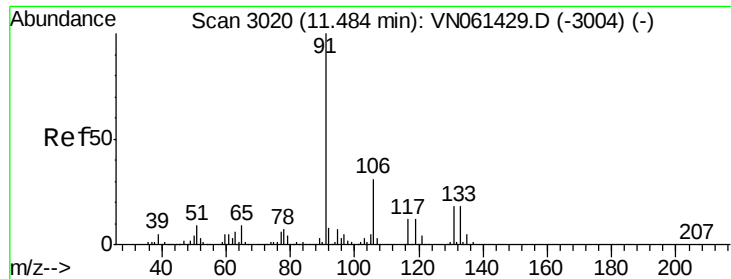


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 18.753 ug/l

RT: 11.48 min Scan# 3020

Delta R.T. -0.00 min

Lab File: VN061428.D

Acq: 18 May 2020 11:37

Instrument :

MSVOA_N

ClientSampleId :

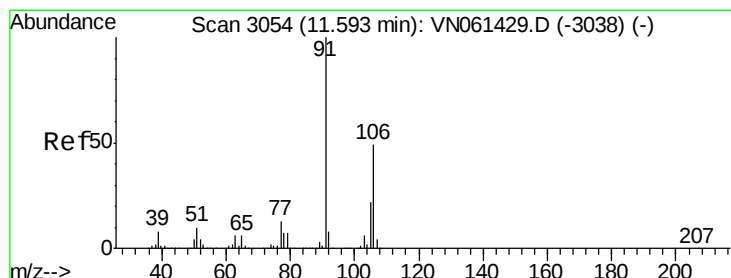
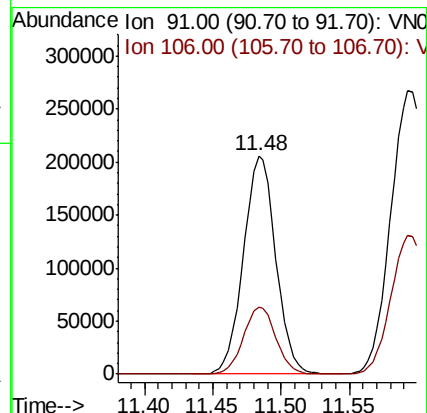
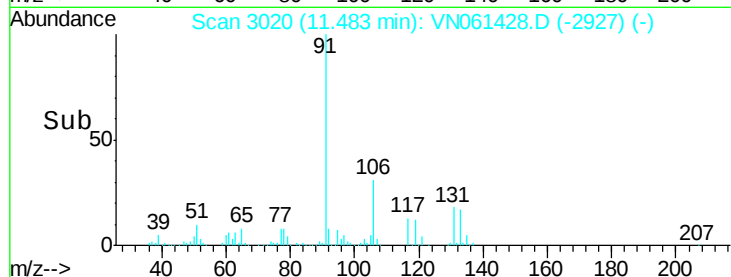
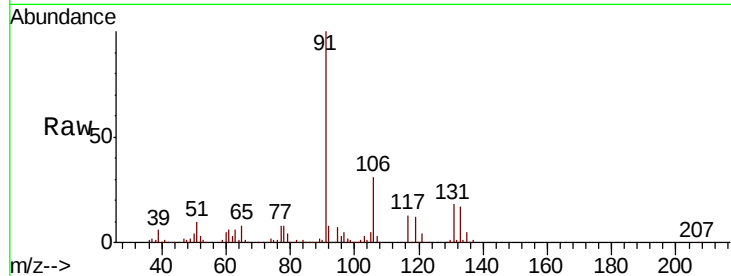
VSTDIC020

Tot Ion: 91 Resp: 338828

Ion Ratio Lower Upper

91 100

106 30.6 24.6 36.8



#68

m/p-Xylenes

Concen: 37.290 ug/l

RT: 11.59 min Scan# 3054

Delta R.T. -0.00 min

Lab File: VN061428.D

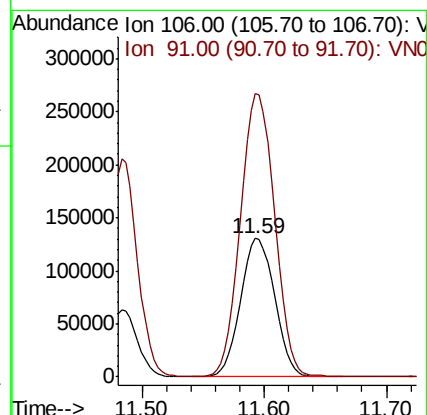
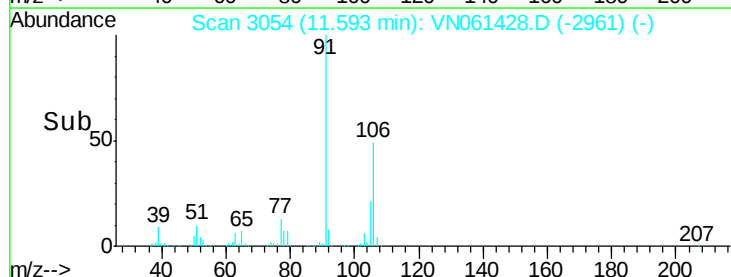
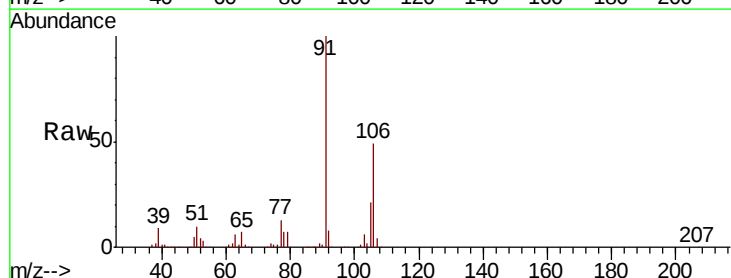
Acq: 18 May 2020 11:37

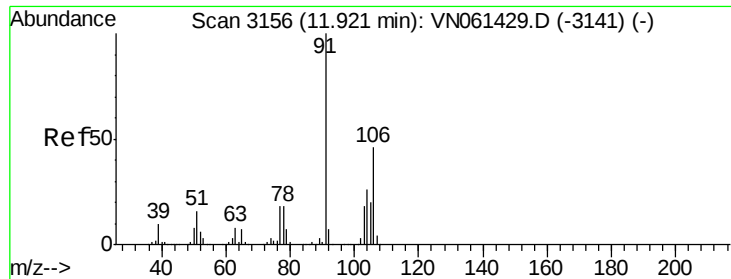
Tgt Ion: 106 Resp: 253112

Ion Ratio Lower Upper

106 100

91 204.5 163.0 244.6

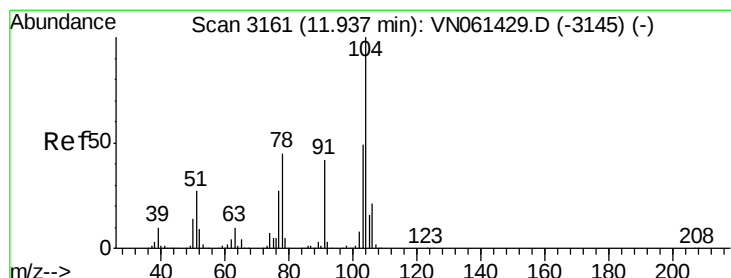
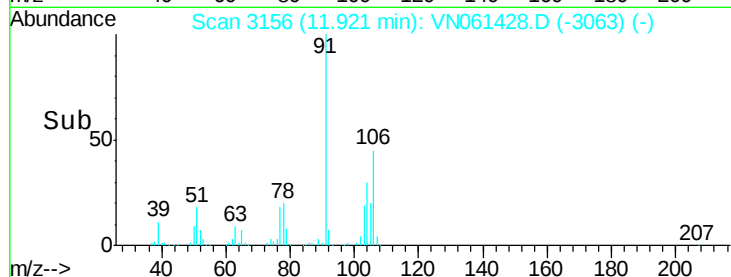
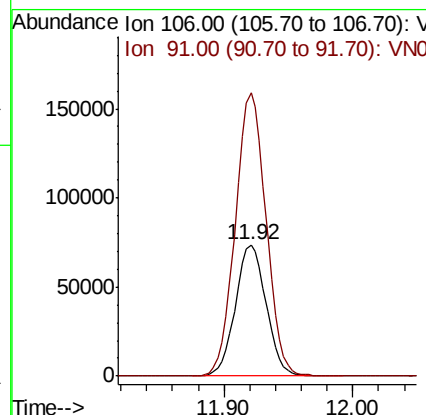
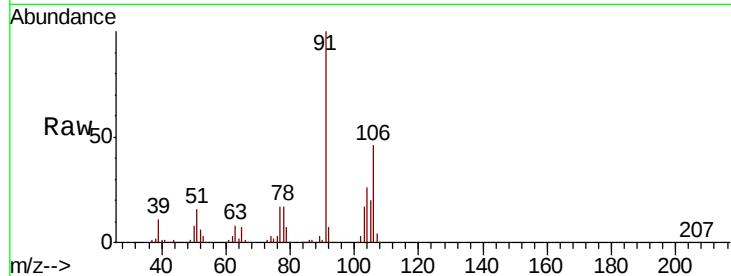




#69
o-Xylene
Concen: 18.564 ug/l
RT: 11.92 min Scan# 3156
Delta R.T. -0.00 min
Lab File: VN061428.D
Acq: 18 May 2020 11:37

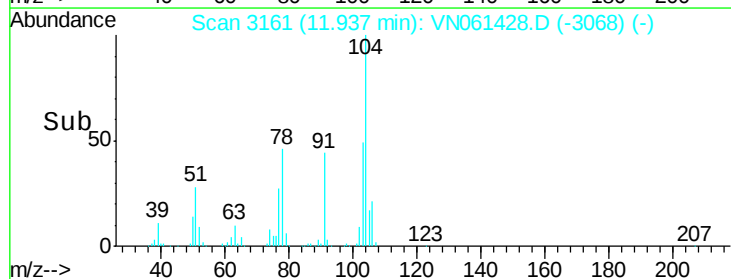
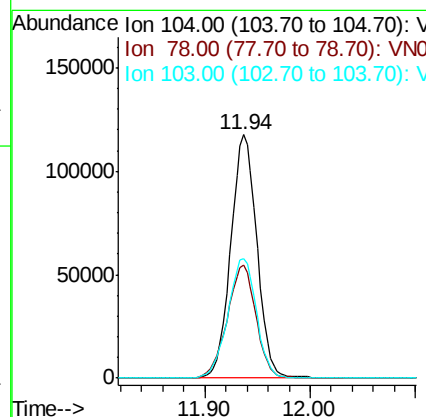
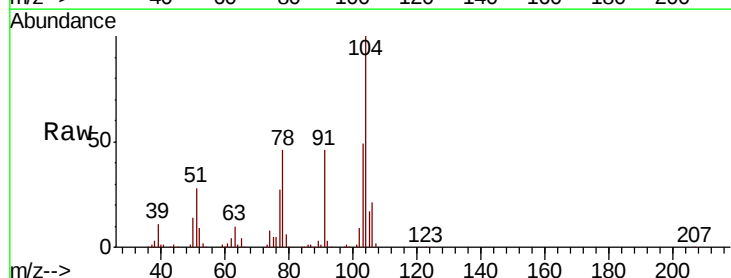
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

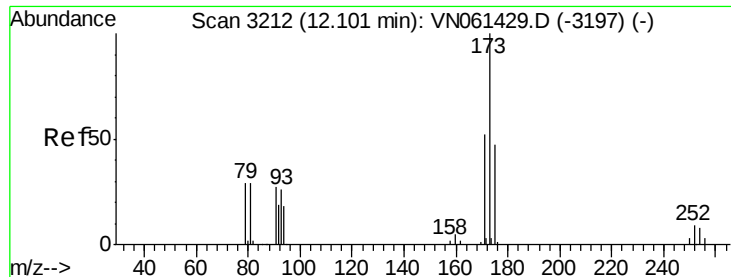
Tot Ion:106 Resp: 122221
Ion Ratio Lower Upper
106 100
91 215.4 107.9 323.7



#70
Styrene
Concen: 18.264 ug/l
RT: 11.94 min Scan# 3161
Delta R.T. -0.00 min
Lab File: VN061428.D
Acq: 18 May 2020 11:37

Tgt Ion:104 Resp: 201888
Ion Ratio Lower Upper
104 100
78 51.1 40.7 61.1
103 53.6 43.0 64.4





#71

Bromoform

Concen: 18.608 ug/l

RT: 12.10 min Scan# 3212

Delta R.T. -0.00 min

Lab File: VN061428.D

Acq: 18 May 2020 11:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

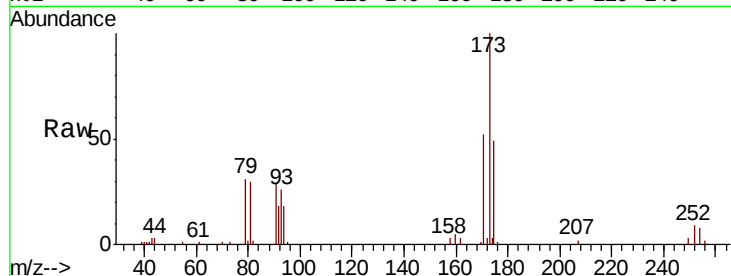
Tot Ion:173 Resp: 45118

Ion Ratio Lower Upper

173 100

175 48.5 23.9 71.8

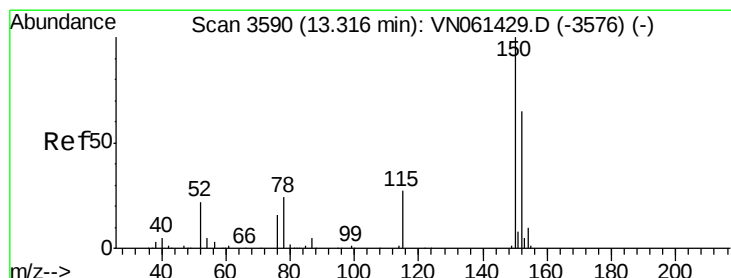
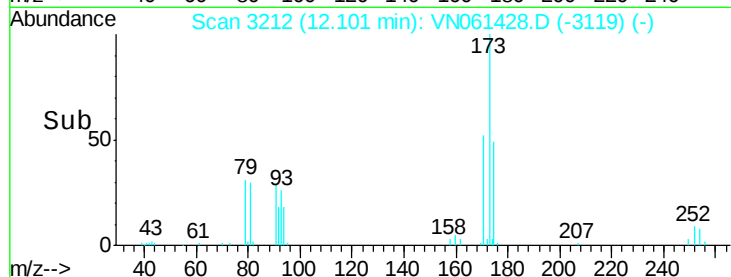
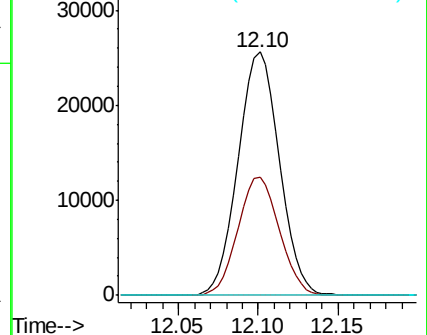
254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3590

Delta R.T. -0.00 min

Lab File: VN061428.D

Acq: 18 May 2020 11:37

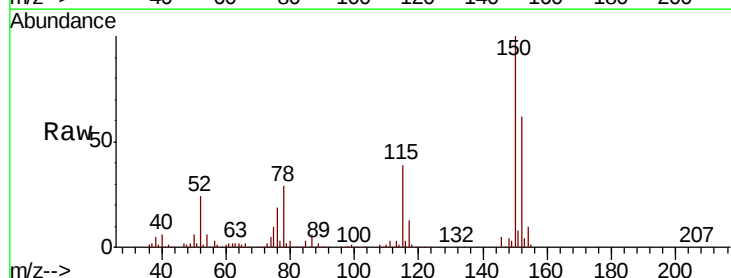
Tgt Ion:152 Resp: 213052

Ion Ratio Lower Upper

152 100

115 62.5 30.9 92.5

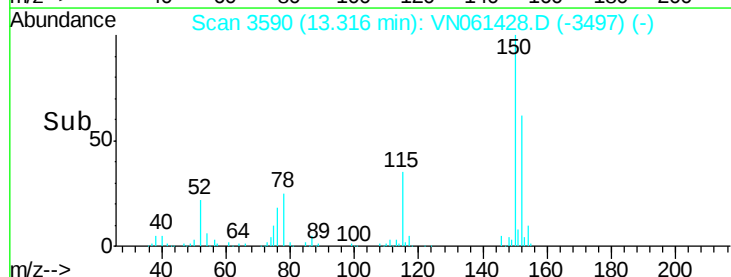
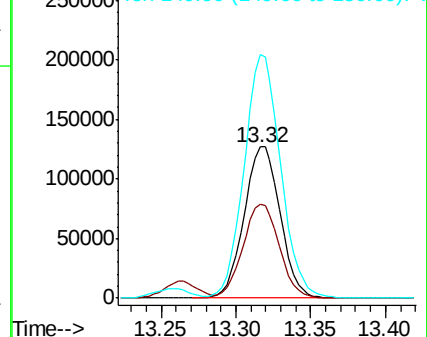
150 163.3 0.0 349.2

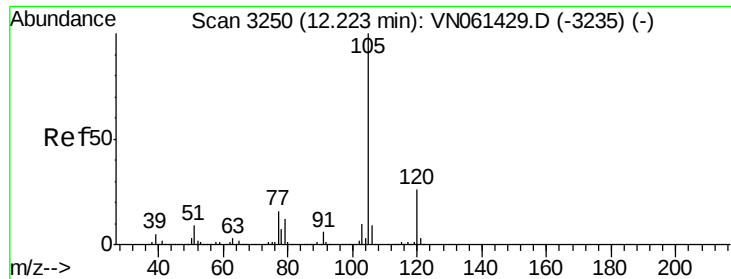


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 18.820 ug/l

RT: 12.22 min Scan# 3250

Delta R.T. -0.00 min

Lab File: VN061428.D

Acq: 18 May 2020 11:37

Instrument :

MSVOA_N

ClientSampleId :

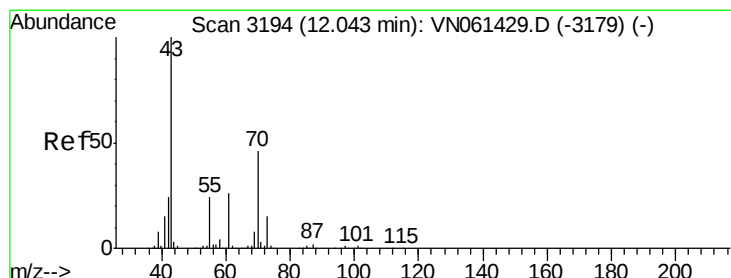
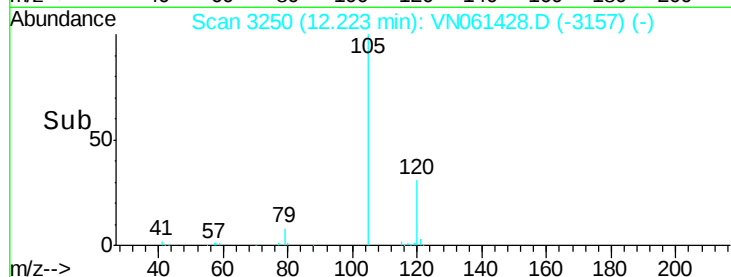
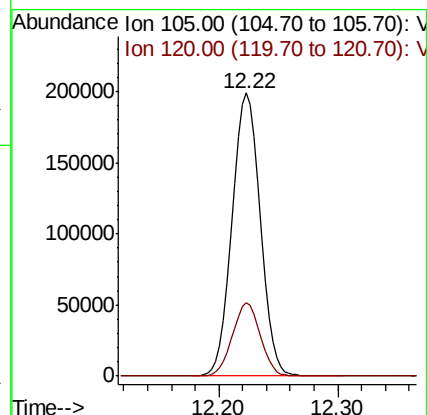
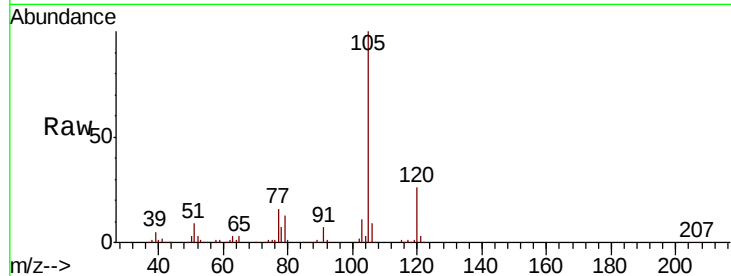
VSTDIC020

Tot Ion:105 Resp: 326358

Ion Ratio Lower Upper

105 100

120 25.7 13.0 39.0



#74

N-ethyl acetate

Concen: 17.552 ug/l

RT: 12.04 min Scan# 3194

Delta R.T. -0.00 min

Lab File: VN061428.D

Acq: 18 May 2020 11:37

Tgt Ion: 43 Resp: 119040

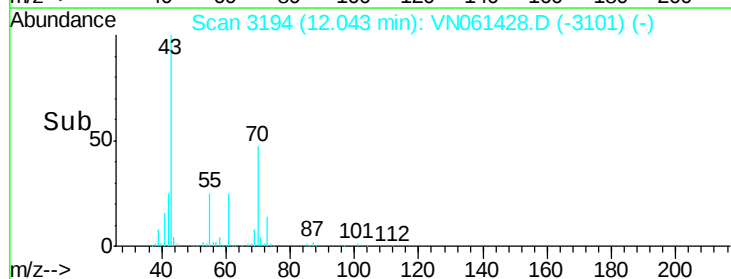
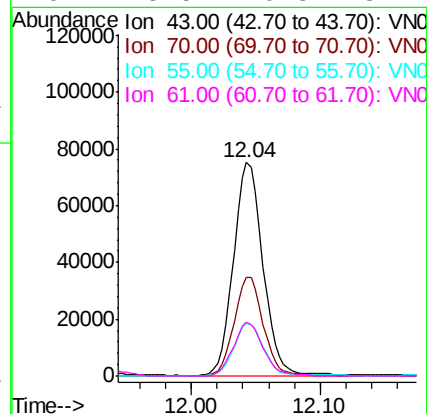
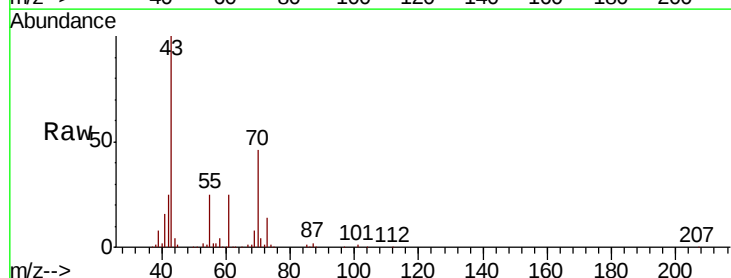
Ion Ratio Lower Upper

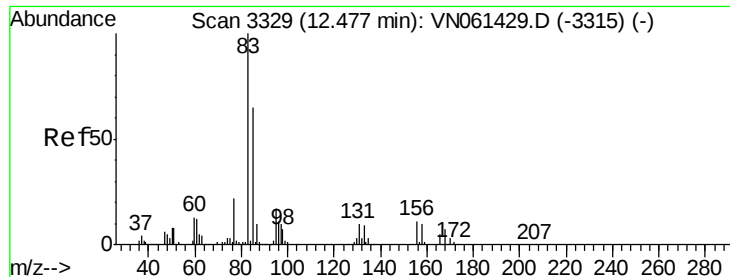
43 100

70 46.0 37.0 55.4

55 25.3 19.5 29.3

61 25.5 20.8 31.2





#75

1,1,2,2-Tetrachloroethane

Concen: 18.529 ug/l

RT: 12.48 min Scan# 3329

Delta R.T. -0.00 min

Lab File: VN061428.D

Acq: 18 May 2020 11:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

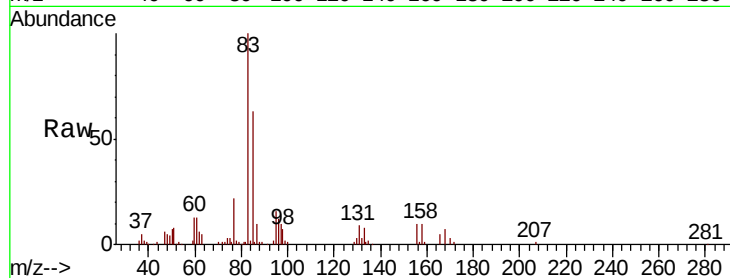
Tot Ion: 83 Resp: 91588

Ion Ratio Lower Upper

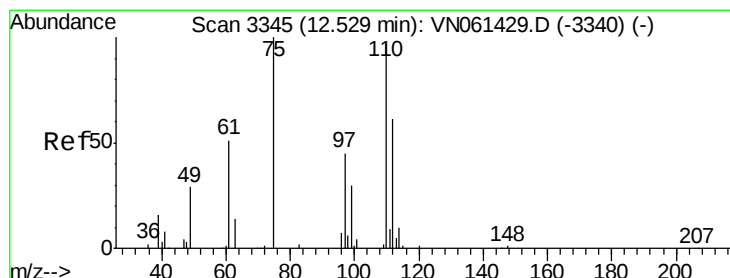
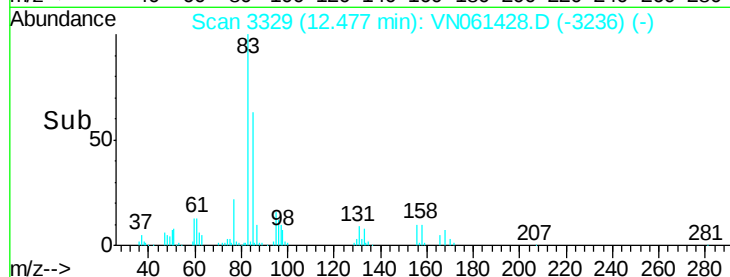
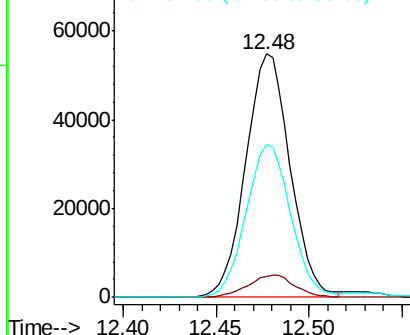
83 100

131 9.6 4.8 14.4

85 63.1 32.1 96.5



Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 130.80 (130.50 to 131.50): VNO
Ion 84.90 (84.60 to 85.60): VNO



#76

1,2,3-Trichloropropane

Concen: 27.528 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. -0.00 min

Lab File: VN061428.D

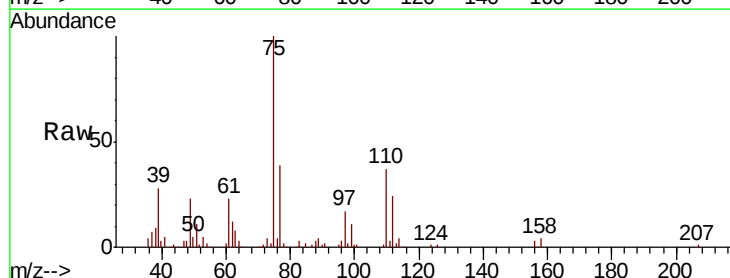
Acq: 18 May 2020 11:37

Tgt Ion: 75 Resp: 122488

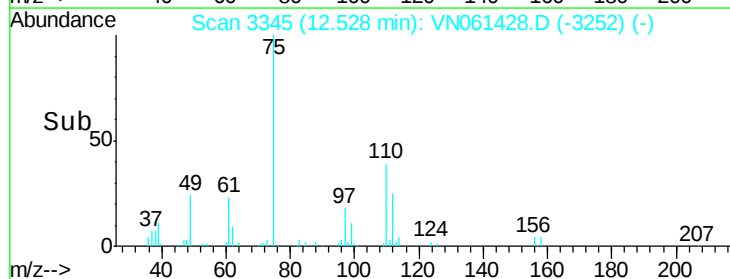
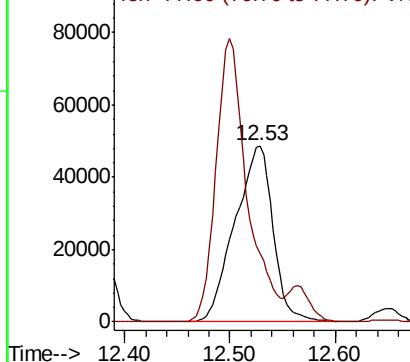
Ion Ratio Lower Upper

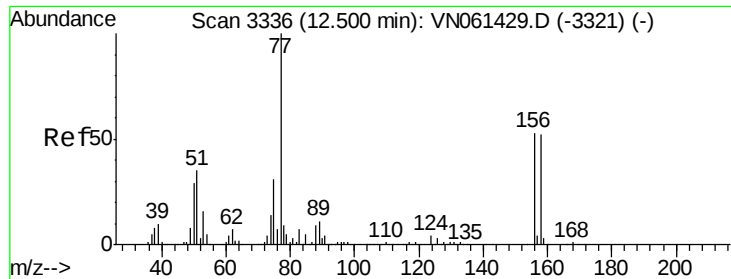
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VNO
Ion 77.00 (76.70 to 77.70): VNO





#77

Bromobenzene

Concen: 18.367 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VN061428.D

Acq: 18 May 2020 11:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

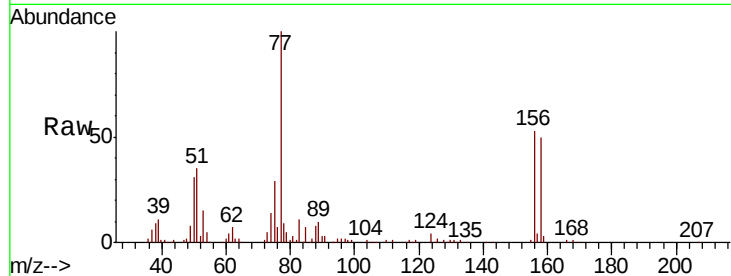
Tot Ion:156 Resp: 69711

Ion Ratio Lower Upper

156 100

77 229.1 112.3 336.9

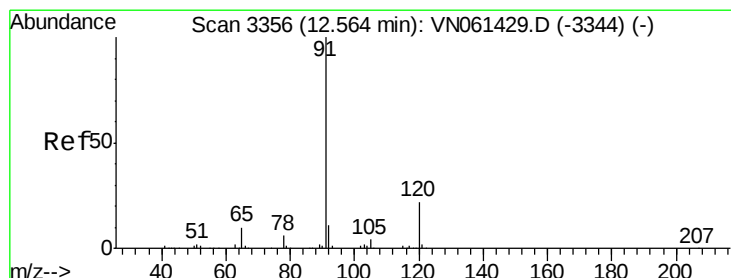
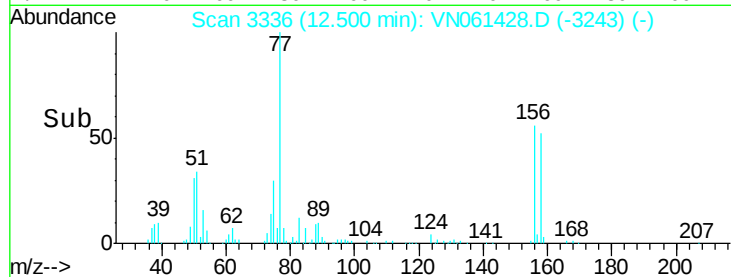
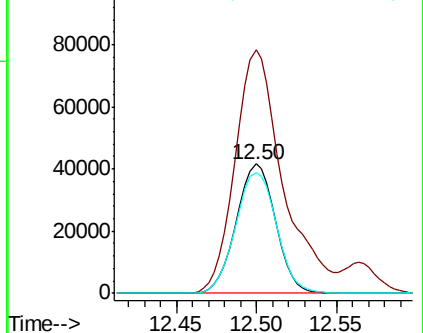
158 97.6 47.9 143.6



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 18.799 ug/l

RT: 12.56 min Scan# 3356

Delta R.T. -0.00 min

Lab File: VN061428.D

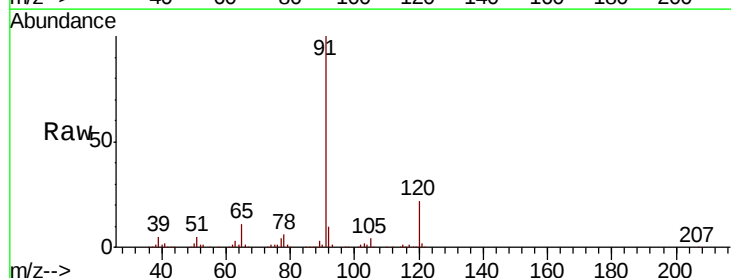
Acq: 18 May 2020 11:37

Tgt Ion: 91 Resp: 380004

Ion Ratio Lower Upper

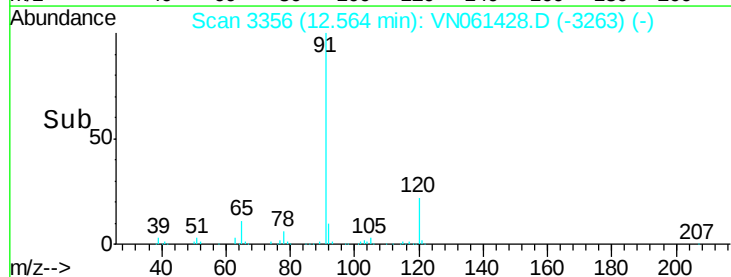
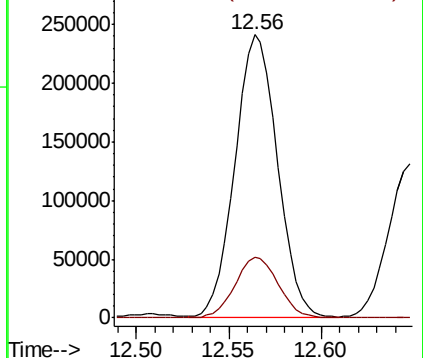
91 100

120 22.1 11.2 33.6



Abundance Ion 91.00 (90.70 to 91.70): VN

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 18.430 ug/l

RT: 12.65 min Scan# 3382

Delta R.T. -0.00 min

Lab File: VN061428.D

Acq: 18 May 2020 11:37

Instrument :

MSVOA_N

ClientSampleId :

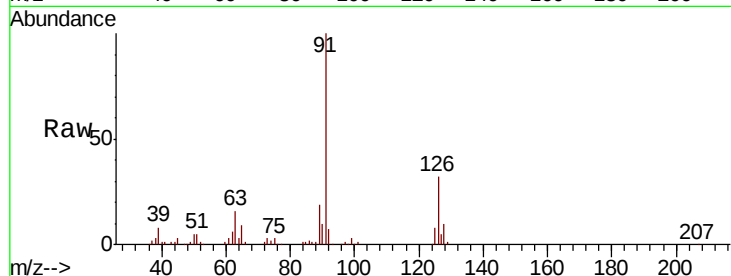
VSTDIC020

Tot Ion: 91 Resp: 218408

Ion Ratio Lower Upper

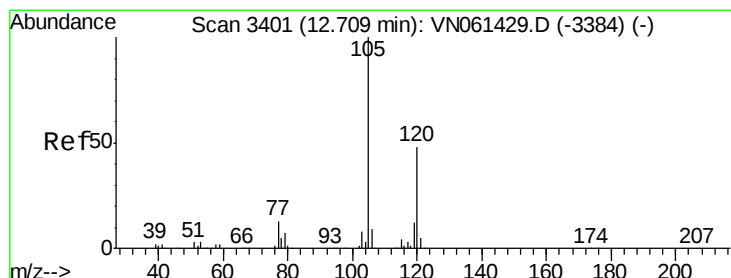
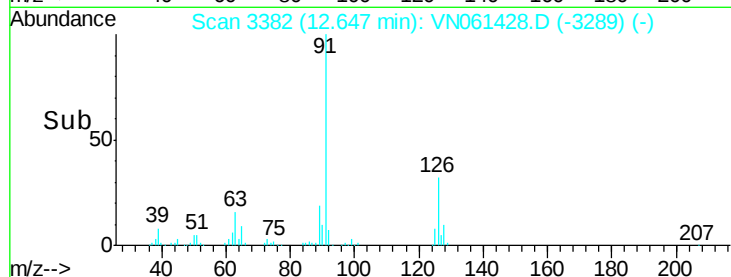
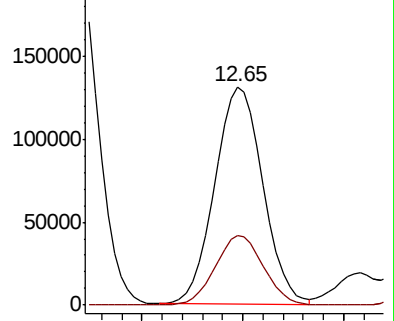
91 100

126 32.3 16.3 48.9



Abundance Ion 91.00 (90.70 to 91.70): VN061428.D (-3370) (-)

Ion 125.90 (125.60 to 126.60): VN061428.D (-3370) (-)



#80

1,3,5-Trimethylbenzene

Concen: 18.577 ug/l

RT: 12.71 min Scan# 3401

Delta R.T. -0.00 min

Lab File: VN061428.D

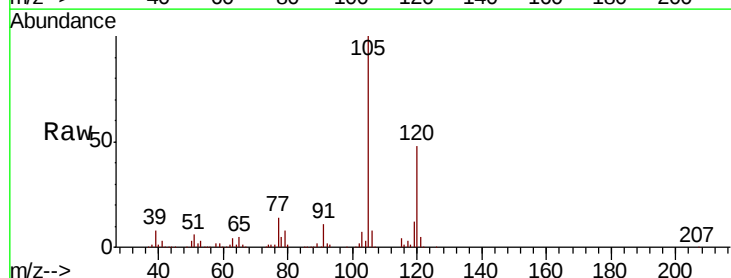
Acq: 18 May 2020 11:37

Tgt Ion: 105 Resp: 269604

Ion Ratio Lower Upper

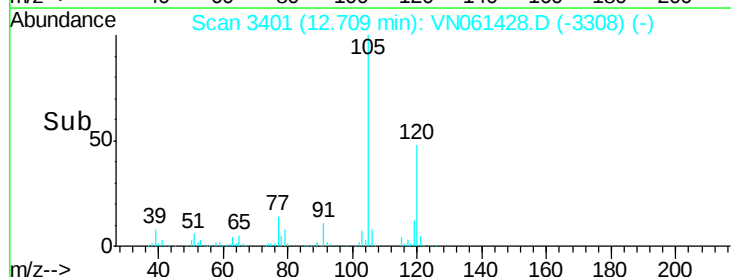
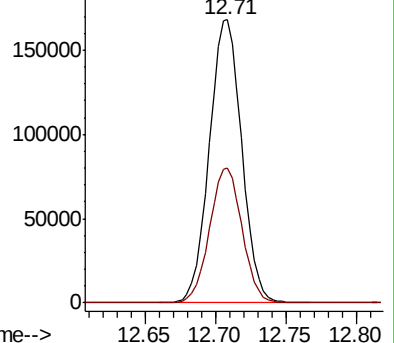
105 100

120 47.9 24.1 72.4



Abundance Ion 105.00 (104.70 to 105.70): VN061428.D (-3384) (-)

Ion 120.00 (119.70 to 120.70): VN061428.D (-3384) (-)

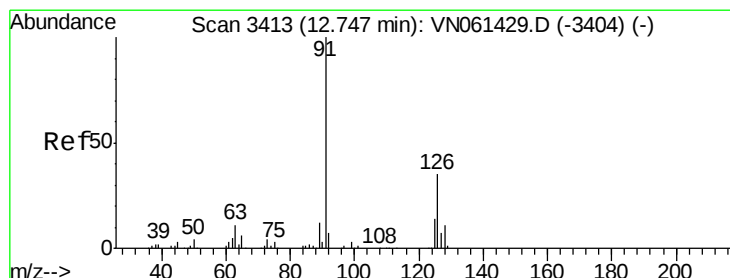
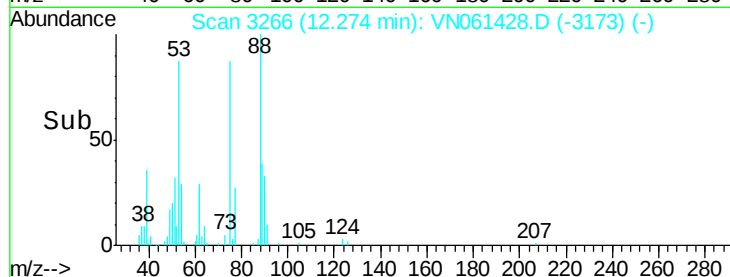
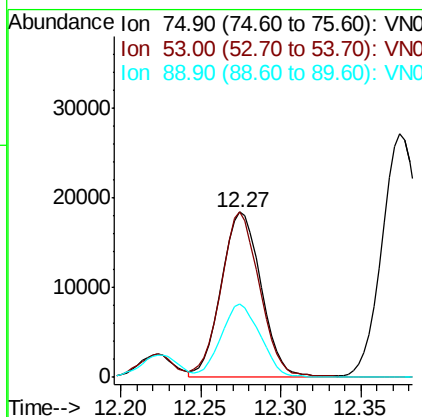
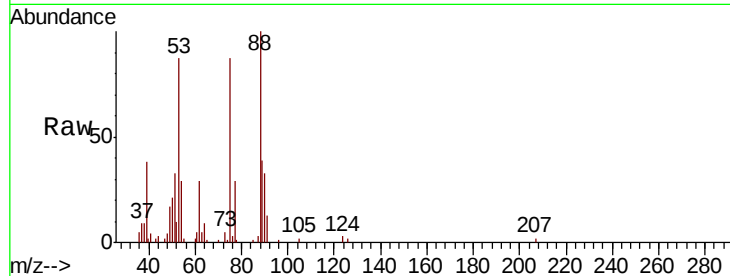




#81
trans-1,4-Dichloro-2-butene
Concen: 18.538 ug/l
RT: 12.27 min Scan# 3266
Delta R.T. -0.00 min
Lab File: VN061428.D
Acq: 18 May 2020 11:37

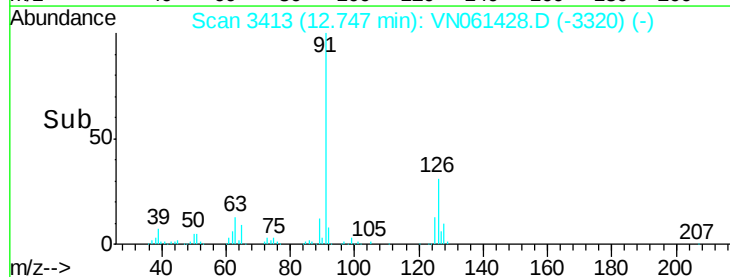
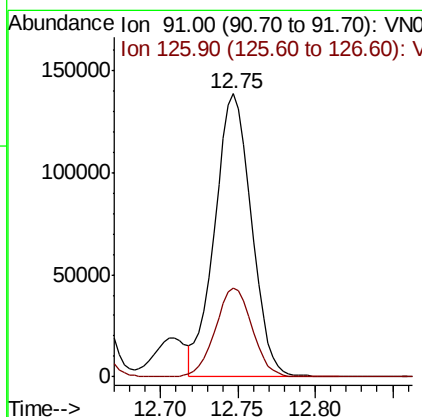
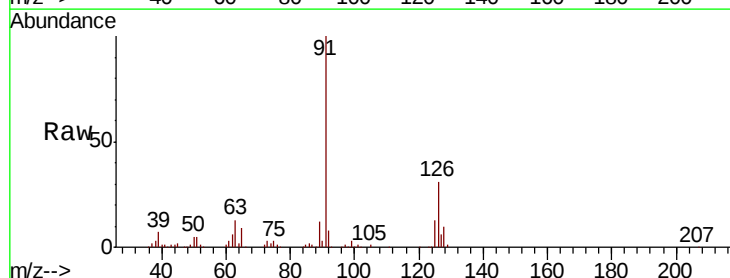
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

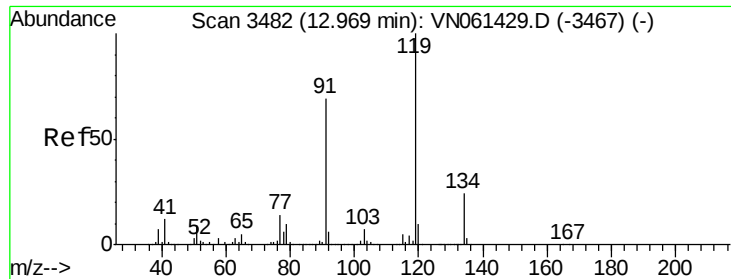
Tot Ion: 75 Resp: 31541
Ion Ratio Lower Upper
75 100
53 95.2 75.2 112.8
89 43.6 38.2 57.4



#82
4-Chlorotoluene
Concen: 18.257 ug/l
RT: 12.75 min Scan# 3413
Delta R.T. -0.00 min
Lab File: VN061428.D
Acq: 18 May 2020 11:37

Tgt Ion: 91 Resp: 227330
Ion Ratio Lower Upper
91 100
126 31.7 16.1 48.2

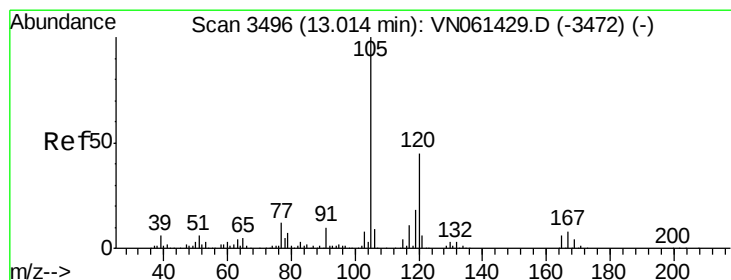
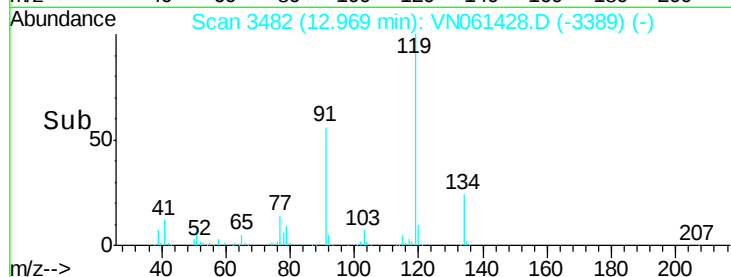
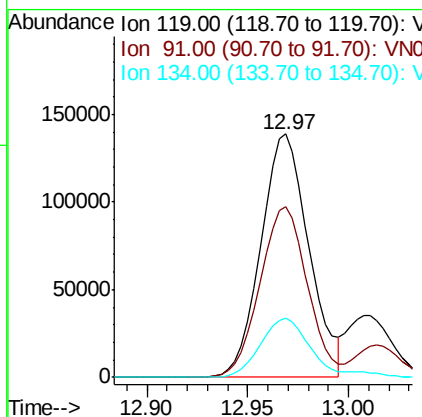
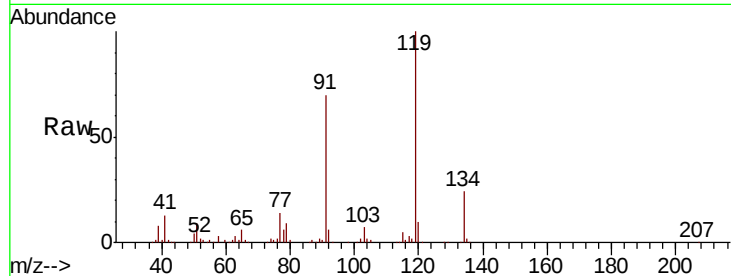




#83
 tert-Butylbenzene
 Concen: 18.569 ug/l
 RT: 12.97 min Scan# 3482
 Delta R.T. -0.00 min
 Lab File: VN061428.D
 Acq: 18 May 2020 11:37

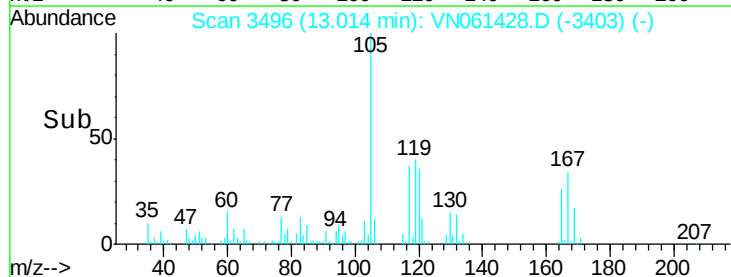
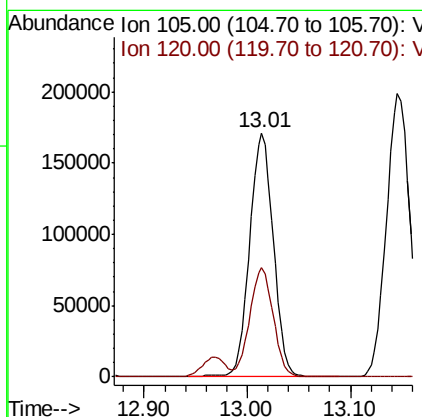
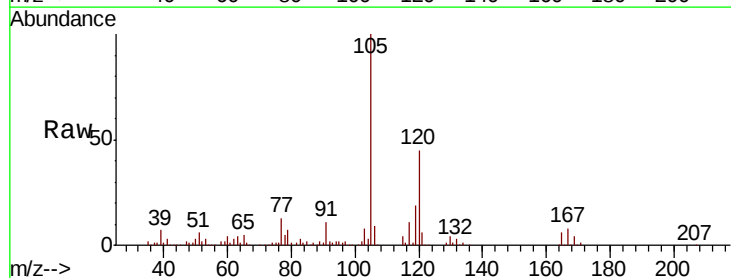
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

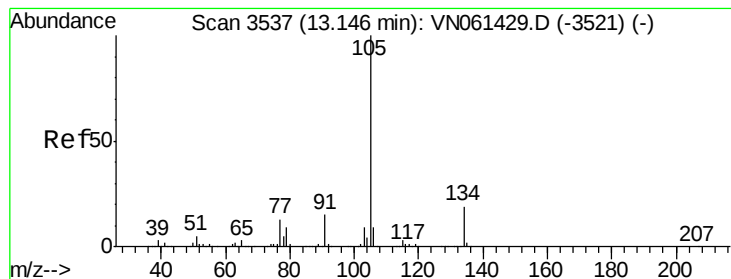
Tot Ion:119 Resp: 229889
 Ion Ratio Lower Upper
 119 100
 91 69.1 33.7 101.0
 134 26.1 12.8 38.3



#84
 1,2,4-Trimethylbenzene
 Concen: 18.811 ug/l
 RT: 13.01 min Scan# 3496
 Delta R.T. -0.00 min
 Lab File: VN061428.D
 Acq: 18 May 2020 11:37

Tgt Ion:105 Resp: 272415
 Ion Ratio Lower Upper
 105 100
 120 44.5 22.4 67.3





#85

sec-Butylbenzene

Concen: 18.906 ug/l

RT: 13.15 min Scan# 3537

Delta R.T. -0.00 min

Lab File: VN061428.D

Acq: 18 May 2020 11:37

Instrument :

MSVOA_N

ClientSampled :

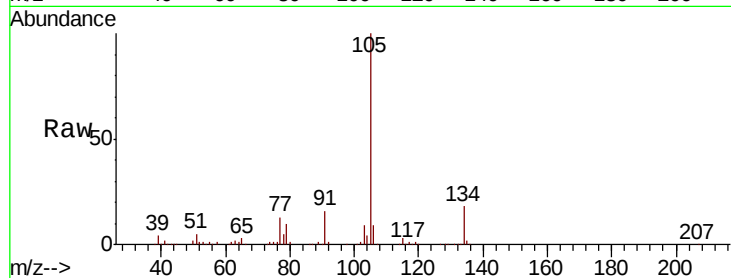
VSTDIC020

Tot Ion:105 Resp: 315928

Ion Ratio Lower Upper

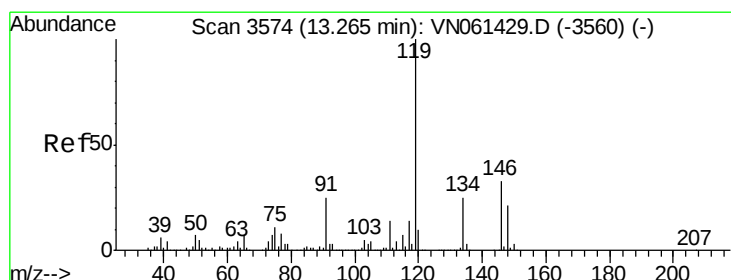
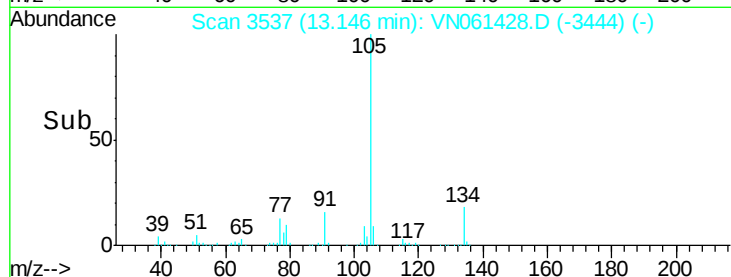
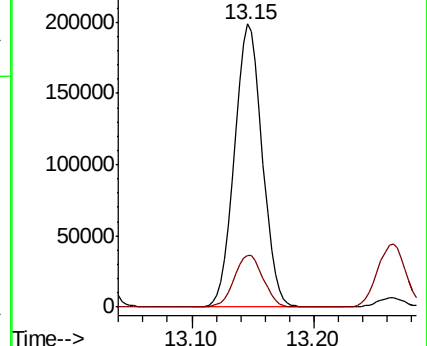
105 100

134 19.0 9.8 29.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 19.162 ug/l

RT: 13.26 min Scan# 3573

Delta R.T. -0.00 min

Lab File: VN061428.D

Acq: 18 May 2020 11:37

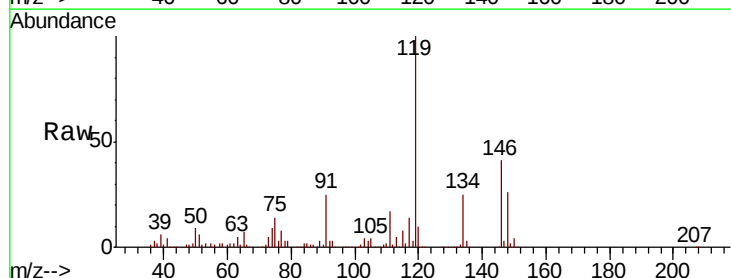
Tgt Ion:119 Resp: 277956

Ion Ratio Lower Upper

119 100

134 25.6 12.7 38.1

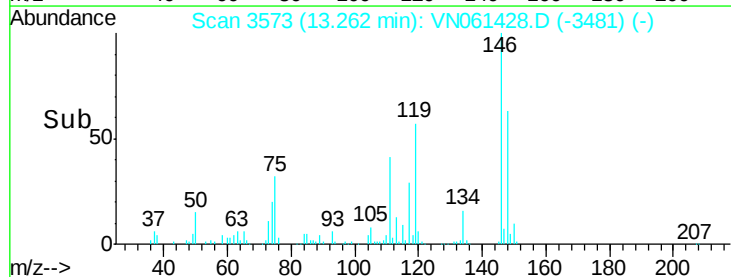
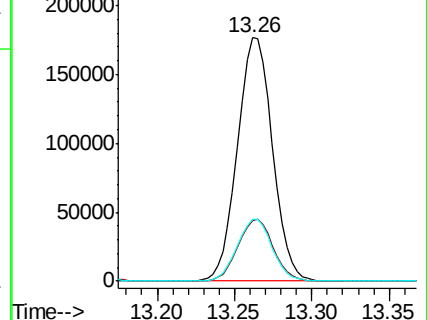
91 25.5 12.6 37.6

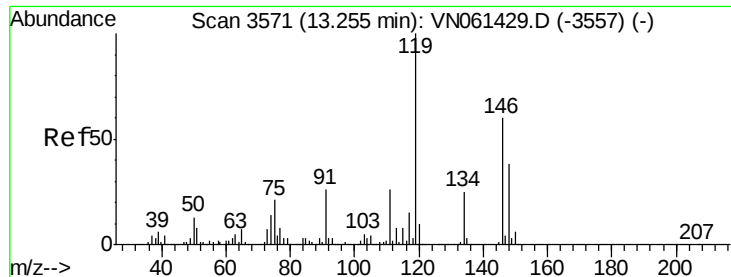


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

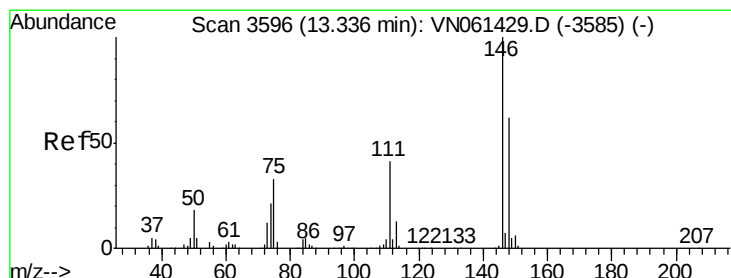
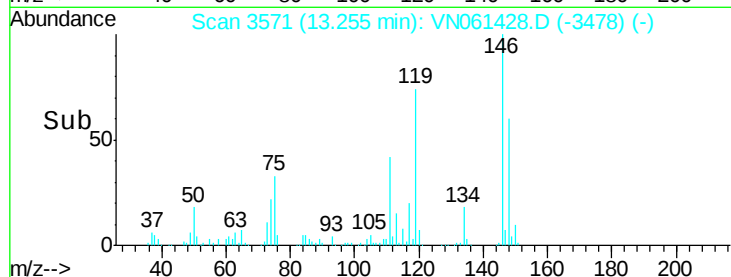
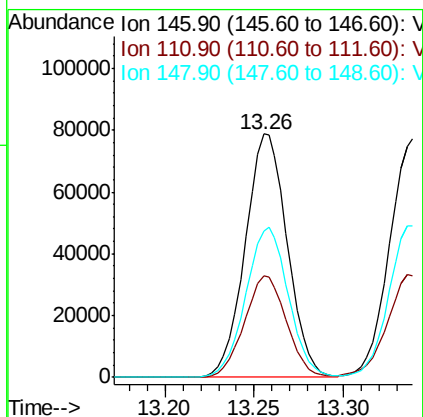
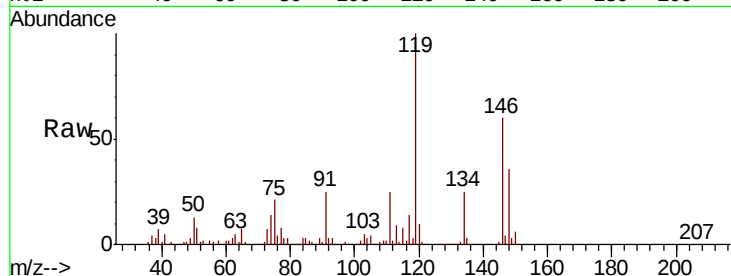




#87
 1,3-Dichlorobenzene
 Concen: 18.918 ug/l
 RT: 13.26 min Scan# 3571
 Delta R.T. -0.00 min
 Lab File: VN061428.D
 Acq: 18 May 2020 11:37

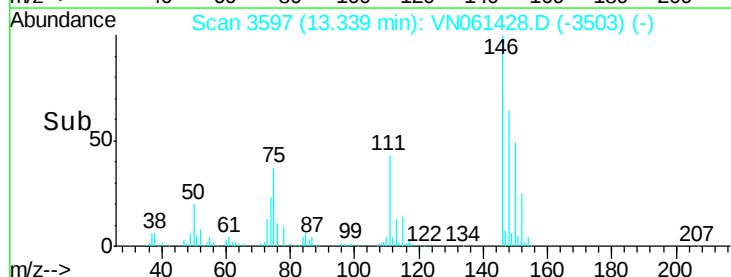
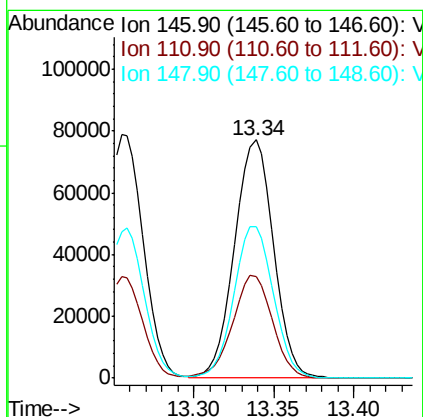
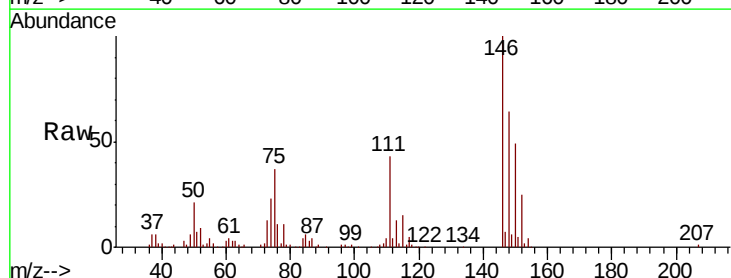
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

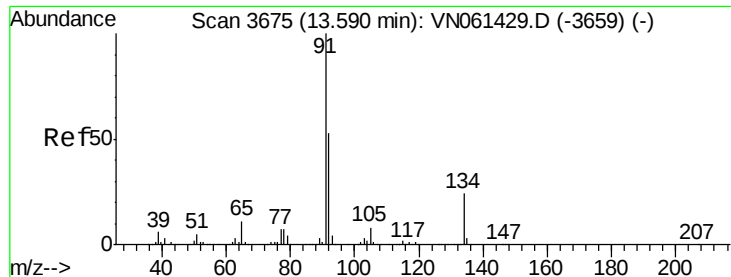
Tot Ion:146 Resp: 130202
 Ion Ratio Lower Upper
 146 100
 111 41.6 21.5 64.5
 148 62.2 31.8 95.3



#88
 1,4-Dichlorobenzene
 Concen: 18.145 ug/l
 RT: 13.34 min Scan# 3597
 Delta R.T. 0.00 min
 Lab File: VN061428.D
 Acq: 18 May 2020 11:37

Tgt Ion:146 Resp: 128250
 Ion Ratio Lower Upper
 146 100
 111 44.1 20.8 62.5
 148 63.8 31.6 94.8





#89

n-Butylbenzene

Concen: 19.212 ug/l

RT: 13.59 min Scan# 3675

Delta R.T. -0.00 min

Lab File: VN061428.D

Acq: 18 May 2020 11:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

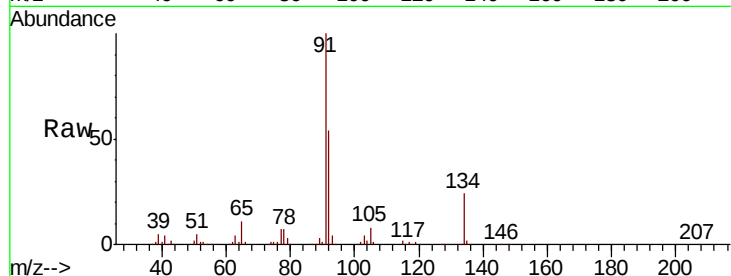
Tot Ion: 91 Resp: 252883

Ion Ratio Lower Upper

91 100

92 53.3 26.8 80.3

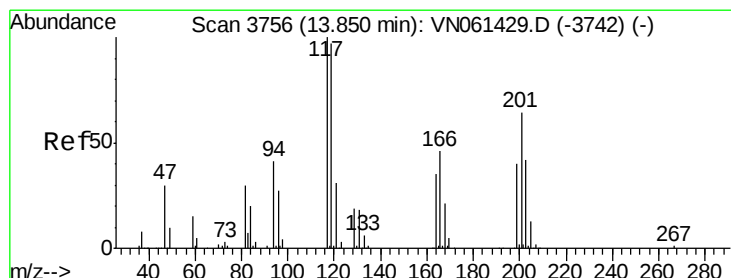
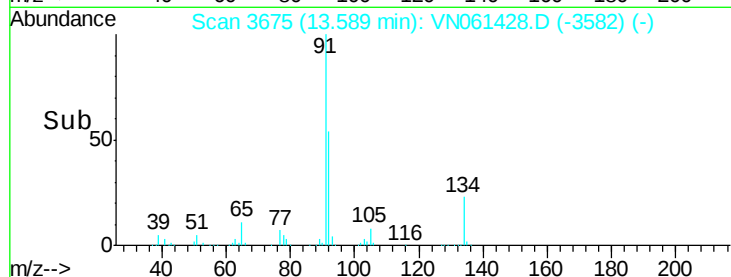
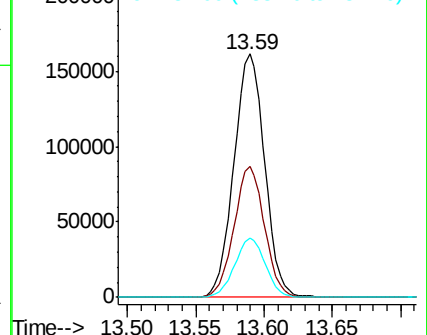
134 24.2 12.4 37.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 92.00 (91.70 to 92.70): VN0

Ion 134.00 (133.70 to 134.70): VN0



#90

Hexachloroethane

Concen: 18.988 ug/l

RT: 13.85 min Scan# 3756

Delta R.T. -0.00 min

Lab File: VN061428.D

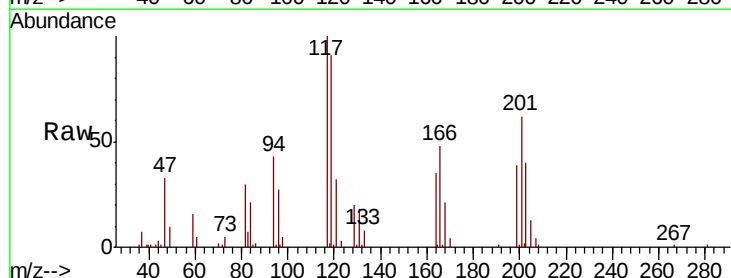
Acq: 18 May 2020 11:37

Tgt Ion: 117 Resp: 37950

Ion Ratio Lower Upper

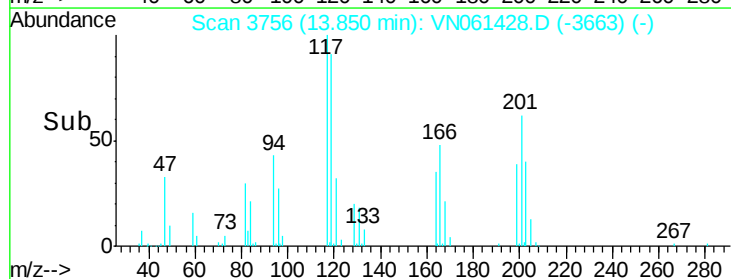
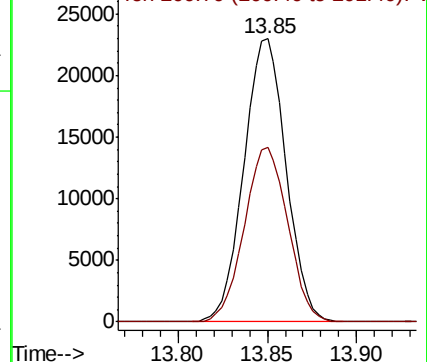
117 100

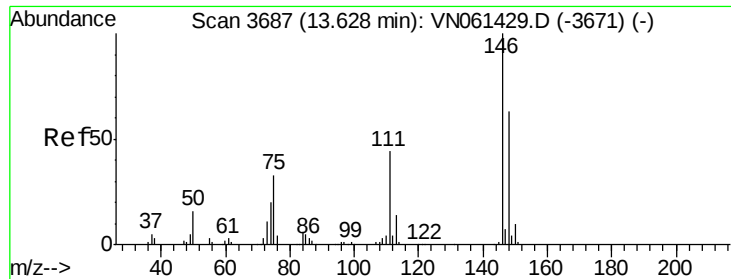
201 63.5 32.9 98.7



Abundance Ion 116.80 (116.50 to 117.50): VN0

Ion 200.70 (200.40 to 201.40): VN0

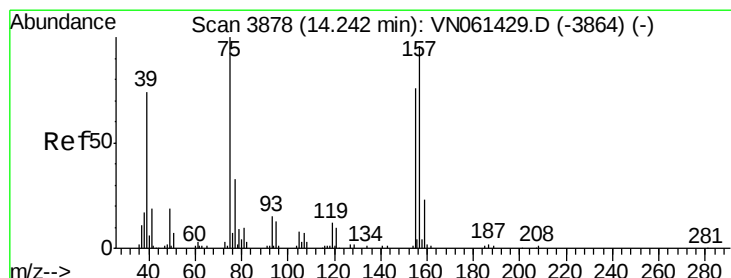
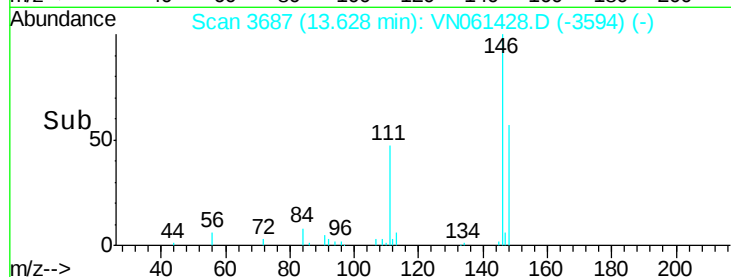
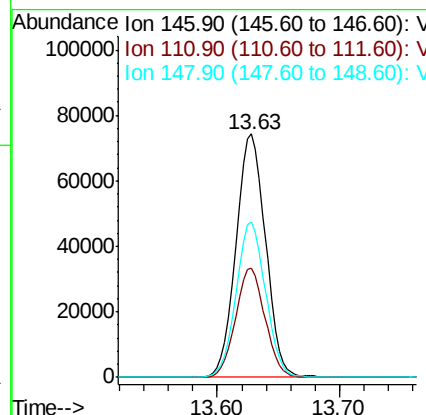
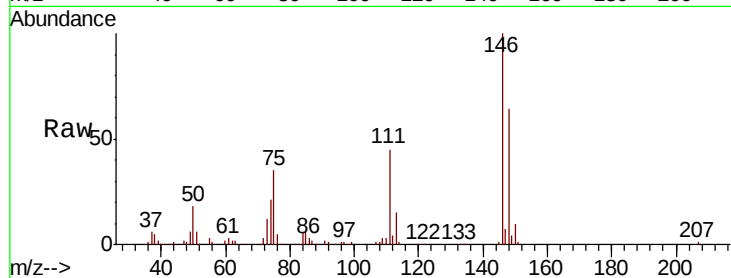




#91
 1,2-Dichlorobenzene
 Concen: 19.068 ug/l
 RT: 13.63 min Scan# 3687
 Delta R.T. -0.00 min
 Lab File: VN061428.D
 Acq: 18 May 2020 11:37

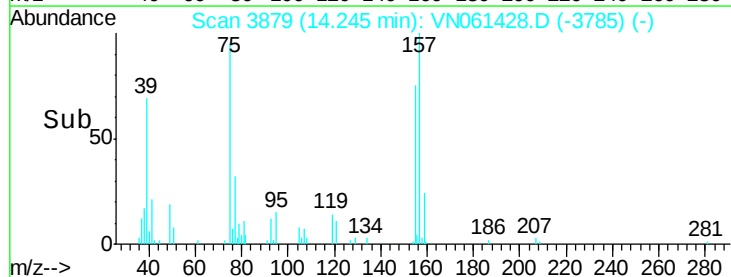
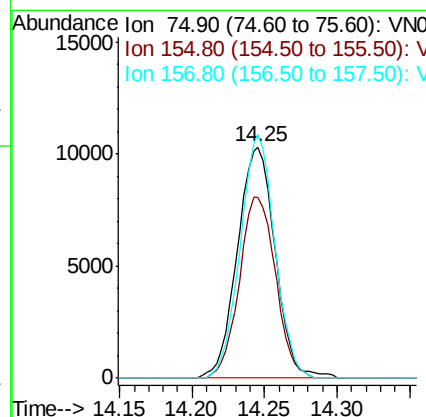
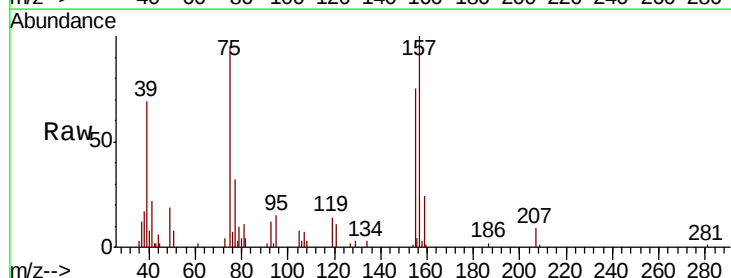
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.5	21.9	65.7
148	63.2	31.6	94.7



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.706 ug/l
 RT: 14.25 min Scan# 3879
 Delta R.T. 0.00 min
 Lab File: VN061428.D
 Acq: 18 May 2020 11:37

Tgt Ion	Ratio	Lower	Upper
75	100		
155	75.0	38.9	116.7
157	96.4	48.6	145.8

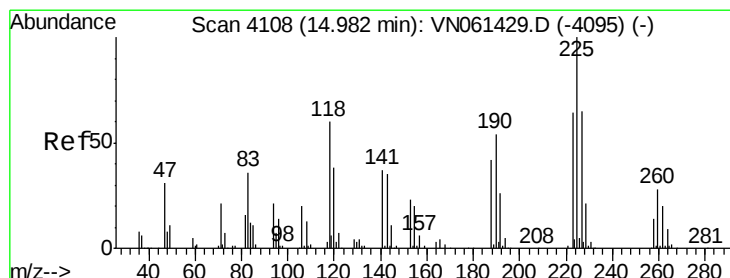
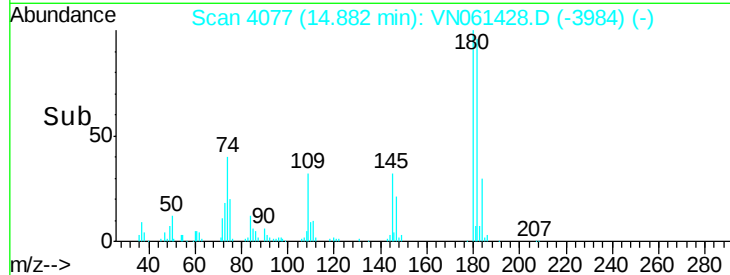
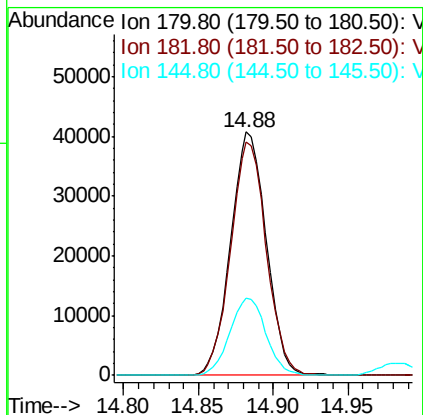
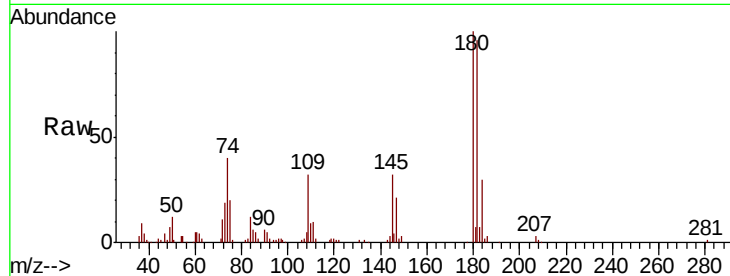




#93
 1,2,4-Trichlorobenzene
 Concen: 18.703 ug/l
 RT: 14.88 min Scan# 4077
 Delta R.T. -0.00 min
 Lab File: VN061428.D
 Acq: 18 May 2020 11:37

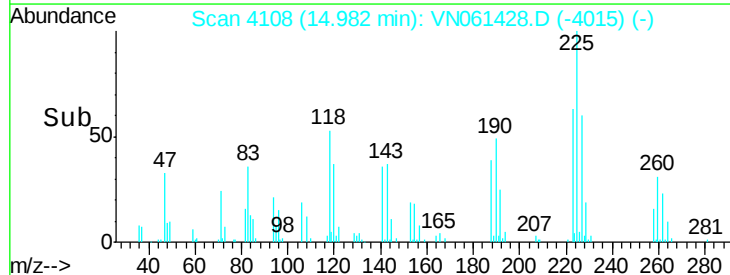
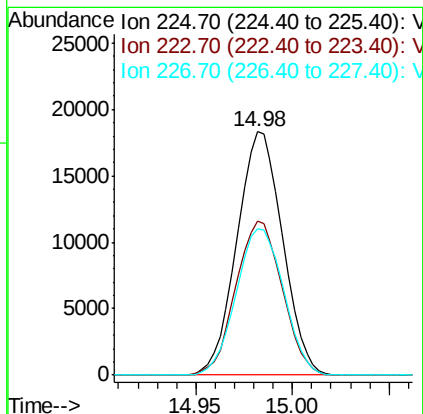
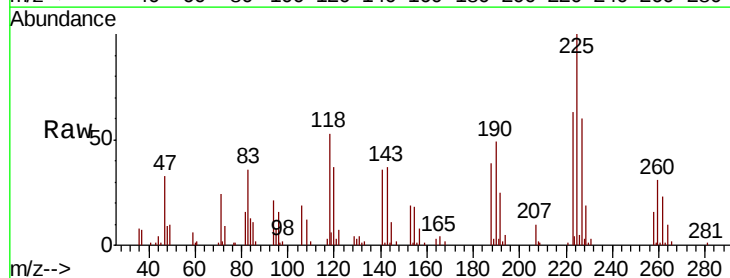
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC020

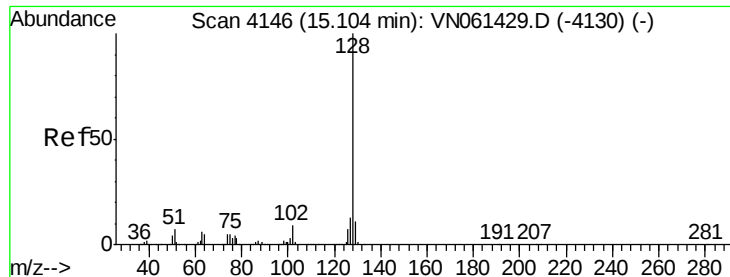
Tot Ion:180 Resp: 67474
 Ion Ratio Lower Upper
 180 100
 182 96.1 47.0 141.0
 145 32.1 16.7 50.0



#94
 Hexachlorobutadiene
 Concen: 21.652 ug/l
 RT: 14.98 min Scan# 4108
 Delta R.T. -0.00 min
 Lab File: VN061428.D
 Acq: 18 May 2020 11:37

Tgt Ion:225 Resp: 30082
 Ion Ratio Lower Upper
 225 100
 223 64.2 31.9 95.7
 227 62.4 31.5 94.5

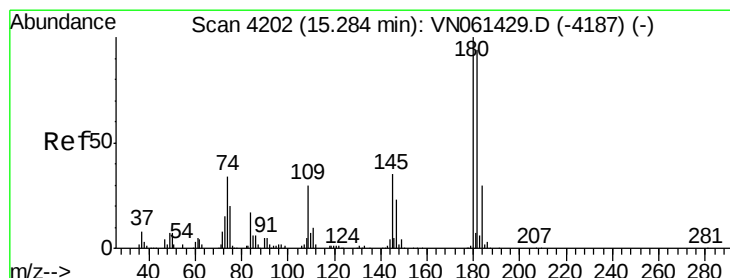
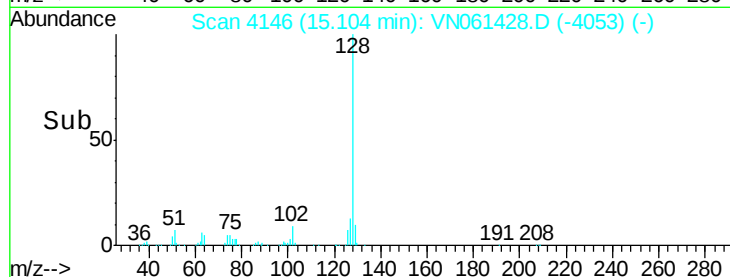
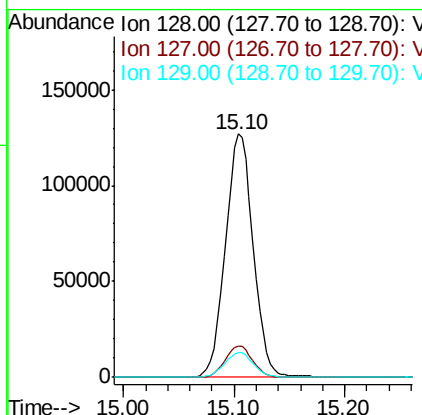
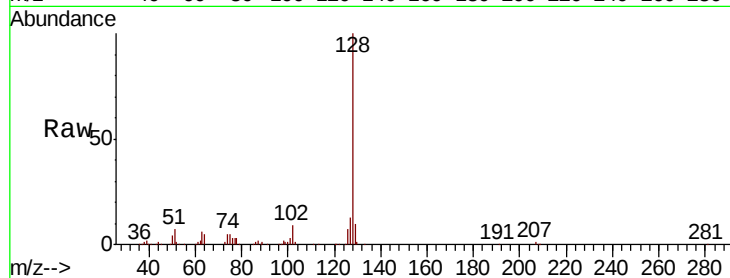




#95
Naphthalene
Concen: 18.961 ug/l
RT: 15.10 min Scan# 4146
Delta R.T. -0.00 min
Lab File: VN061428.D
Acq: 18 May 2020 11:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion:128 Resp: 221530
Ion Ratio Lower Upper
128 100
127 12.6 10.1 15.1
129 10.7 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 18.951 ug/l
RT: 15.28 min Scan# 4202
Delta R.T. -0.00 min
Lab File: VN061428.D
Acq: 18 May 2020 11:37

Tgt Ion:180 Resp: 68330
Ion Ratio Lower Upper
180 100
182 94.9 47.8 143.3
145 35.5 17.3 51.9

