

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN051820\
 Data File : VN061430.D
 Acq On : 18 May 2020 12:23
 Operator : JC/MD
 Sample : VSTDICC100
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC100

Quant Time: May 18 12:45:04 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	326323	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	594329	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	563248	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	276785	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	466003	93.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	186.12%	
35) Dibromofluoromethane	7.55	113	287348	96.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	192.46%	
50) Toluene-d8	10.06	98	1455264	98.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	197.34%	
62) 4-Bromofluorobenzene	12.37	95	557729	102.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	204.94%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	281362	106.576	ug/l	99
3) Chloromethane	2.03	50	388329	75.317	ug/l	99
4) Vinyl Chloride	2.16	62	571504	72.352	ug/l	98
5) Bromomethane	2.53	94	310429	72.523	ug/l	100
6) Chloroethane	2.67	64	381623	68.102	ug/l	99
7) Trichlorofluoromethane	2.98	101	825643	85.159	ug/l	99
8) Diethyl Ether	3.37	74	212901	97.424	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.72	101	311635	100.900	ug/l	99
10) Methyl Iodide	3.91	142	384056	99.895	ug/l	99
11) Tert butyl alcohol	4.73	59	257090	680.627	ug/l	100
12) 1,1-Dichloroethene	3.70	96	316547	95.697	ug/l	95
13) Acrolein	3.56	56	194041	453.743	ug/l	99
14) Allyl chloride	4.27	41	490608	83.662	ug/l	94
15) Acrylonitrile	4.93	53	811732	503.140	ug/l	99
16) Acetone	3.77	43	617555	488.537	ug/l	99
17) Carbon Disulfide	4.01	76	702812	82.558	ug/l	99
18) Methyl Acetate	4.27	43	327460	88.527	ug/l	99
19) Methyl tert-butyl Ether	4.99	73	1222144	94.375	ug/l	98
20) Methylene Chloride	4.50	84	382017	95.750	ug/l	98
21) trans-1,2-Dichloroethene	4.99	96	379526	94.871	ug/l	98
22) Diisopropyl ether	5.90	45	1177637	90.274	ug/l	98
23) Vinyl Acetate	5.84	43	4727823	445.220	ug/l	98
24) 1,1-Dichloroethane	5.80	63	693127	93.029	ug/l	100
25) 2-Butanone	6.78	43	1037998	496.054	ug/l	98
26) 2,2-Dichloropropane	6.77	77	643493	100.861	ug/l	99
27) cis-1,2-Dichloroethene	6.78	96	444441	95.668	ug/l	98
28) Bromochloromethane	7.15	49	314762	96.211	ug/l	97
29) Tetrahydrofuran	7.17	42	683603	481.257	ug/l	98
30) Chloroform	7.33	83	746883	95.510	ug/l	100
31) Cyclohexane	7.61	56	609627	83.350	ug/l	99
32) 1,1,1-Trichloroethane	7.53	97	676197	97.147	ug/l	98
36) 1,1-Dichloropropene	7.75	75	555887	93.751	ug/l	99
37) Ethyl Acetate	6.88	43	460515	93.166	ug/l	100
38) Carbon Tetrachloride	7.73	117	541818	106.591	ug/l	99

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	683785	96.897	ug/l	98
40) Benzene	8.00	78	1651961	94.660	ug/l	99
41) Methacrylonitrile	7.16	41	647158	282.143	ug/l #	15
42) 1,2-Dichloroethane	8.09	62	587246	93.615	ug/l	100
43) Isopropyl Acetate	8.13	43	836310	87.994	ug/l	99
44) Trichloroethene	8.80	130	444810	98.640	ug/l	99
45) 1,2-Dichloropropane	9.08	63	409795	93.218	ug/l	100
46) Dibromomethane	9.18	93	289195	97.828	ug/l	97
47) Bromodichloromethane	9.37	83	617268	96.181	ug/l	97
48) Methyl methacrylate	9.17	41	377788	87.840	ug/l	99
49) 1,4-Dioxane	9.17	88	82881	2971.026	ug/l	99
51) 4-Methyl-2-Pentanone	9.95	43	2333805	456.013	ug/l	99
52) Toluene	10.12	92	1101549	99.440	ug/l	98
53) t-1,3-Dichloropropene	10.35	75	692613	98.687	ug/l	99
54) cis-1,3-Dichloropropene	9.81	75	727125	98.227	ug/l	98
55) 1,1,2-Trichloroethane	10.53	97	410652	99.637	ug/l	97
56) Ethyl methacrylate	10.40	69	662450	98.303	ug/l	98
57) 1,3-Dichloropropane	10.68	76	700472	97.547	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.66	63	1404104	493.303	ug/l	98
59) 2-Hexanone	10.72	43	1699042	484.625	ug/l	100
60) Dibromochloromethane	10.87	129	476724	104.039	ug/l	100
61) 1,2-Dibromoethane	10.98	107	435312	100.416	ug/l	100
64) Tetrachloroethene	10.60	164	444077	100.703	ug/l	99
65) Chlorobenzene	11.41	112	1150518	98.418	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.48	131	425509	103.123	ug/l	98
67) Ethyl Benzene	11.48	91	2116943	97.756	ug/l	97
68) m/p-Xylenes	11.59	106	1652396	203.113	ug/l	95
69) o-Xylene	11.92	106	794710	100.711	ug/l	96
70) Styrene	11.94	104	1375566	103.827	ug/l	99
71) Bromoform	12.10	173	321079	110.484	ug/l #	99
73) Isopropylbenzene	12.22	105	2103655	93.380	ug/l	99
74) N-amyl acetate	12.04	43	764505	86.766	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	560266	87.246	ug/l	100
76) 1,2,3-Trichloropropane	12.53	75	777469	134.494	ug/l #	100
77) Bromobenzene	12.50	156	480127	97.375	ug/l	95
78) n-propylbenzene	12.56	91	2410758	91.801	ug/l	98
79) 2-Chlorotoluene	12.65	91	1419617	92.208	ug/l	99
80) 1,3,5-Trimethylbenzene	12.71	105	1790086	94.946	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.27	75	221416	100.170	ug/l	95
82) 4-Chlorotoluene	12.75	91	1519257	93.918	ug/l	100
83) tert-Butylbenzene	12.97	119	1517077	94.323	ug/l	99
84) 1,2,4-Trimethylbenzene	13.01	105	1787440	95.007	ug/l	99
85) sec-Butylbenzene	13.15	105	2060777	94.928	ug/l	100
86) p-Isopropyltoluene	13.26	119	1879633	99.741	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	895875	100.195	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	900964	98.120	ug/l	99
89) n-Butylbenzene	13.59	91	1705387	99.730	ug/l	99
90) Hexachloroethane	13.85	117	257699	99.249	ug/l	100
91) 1,2-Dichlorobenzene	13.63	146	846225	99.001	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.24	75	116469	94.333	ug/l	98

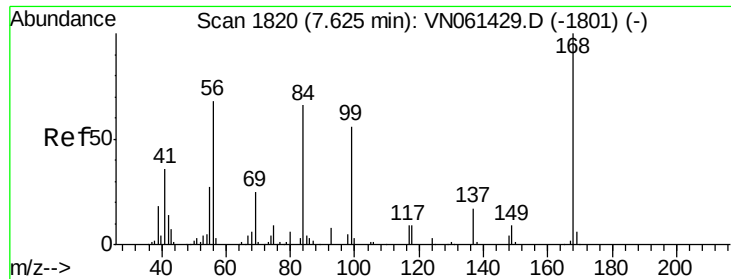
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	491442	104.855	ug/l	99
94) Hexachlorobutadiene	14.99	225	198711	110.094	ug/l	99
95) Naphthalene	15.10	128	1578613	104.002	ug/l	100
96) 1,2,3-Trichlorobenzene	15.28	180	479027	102.265	ug/l	100

(#) = 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: VN061430.D

Acq: 18 May 2020 12:23

Instrument :

MSVOA_N

ClientSampleId :

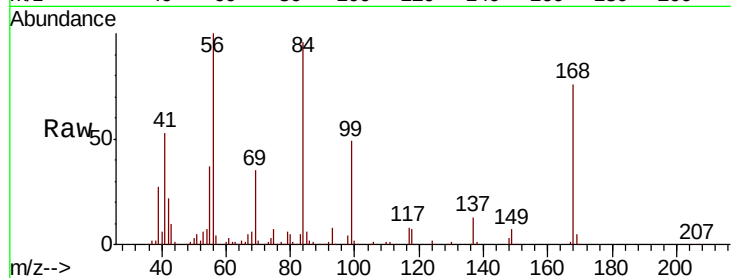
VSTDIC100

Tot Ion:168 Resp: 326323

Ion Ratio Lower Upper

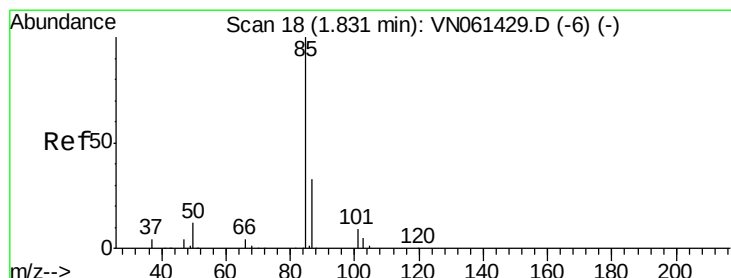
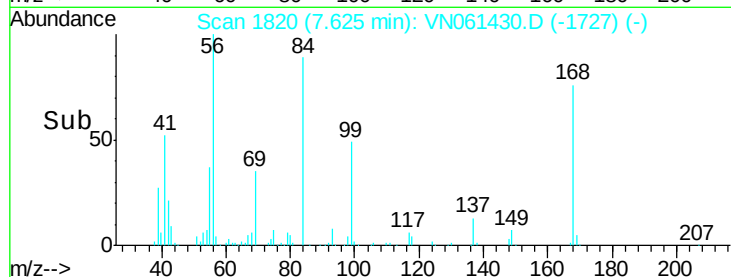
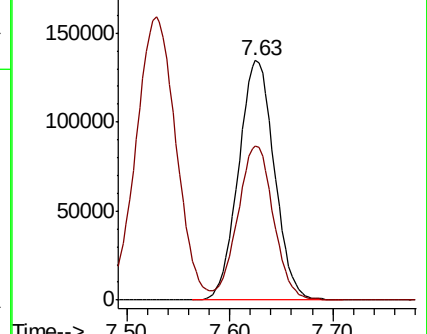
168 100

99 64.3 51.1 76.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 106.576 ug/l

RT: 1.83 min Scan# 17

Delta R.T. -0.00 min

Lab File: VN061430.D

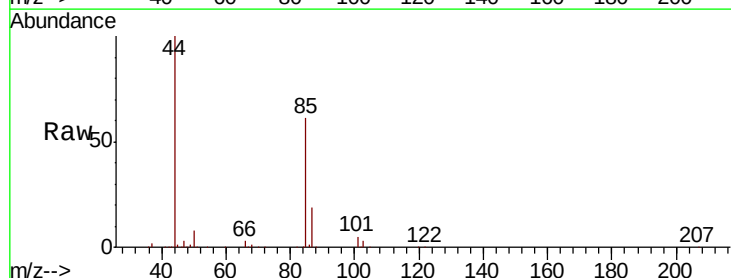
Acq: 18 May 2020 12:23

Tgt Ion: 85 Resp: 281362

Ion Ratio Lower Upper

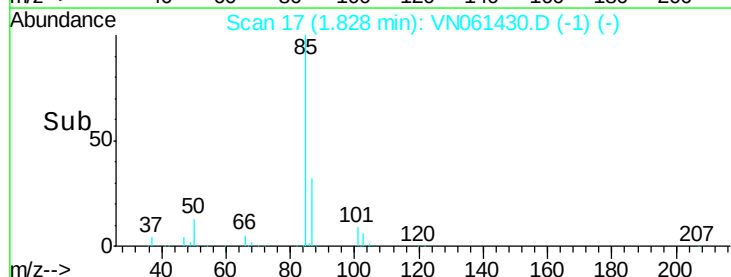
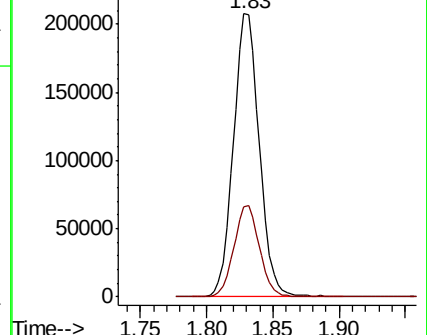
85 100

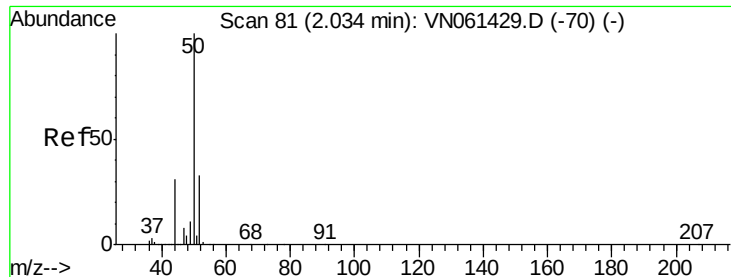
87 31.8 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 75.317 ug/l

RT: 2.03 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN061430.D

Acq: 18 May 2020 12:23

Instrument :

MSVOA_N

ClientSampleId :

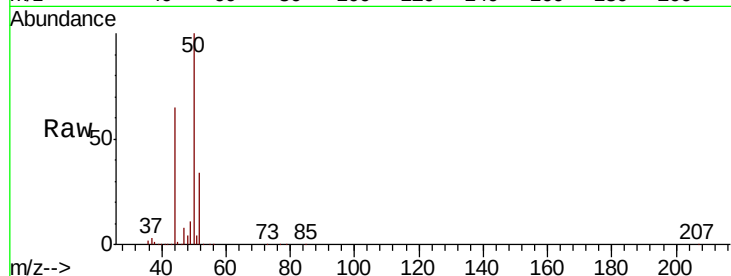
VSTDIC100

Tot Ion: 50 Resp: 388329

Ion Ratio Lower Upper

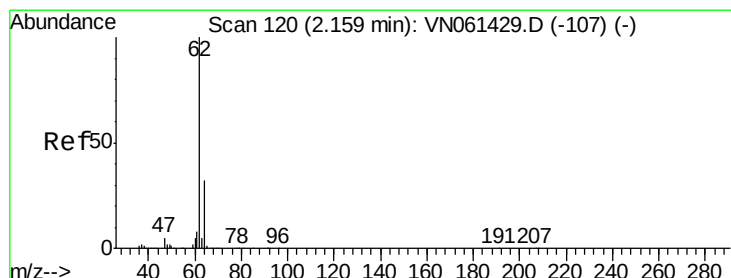
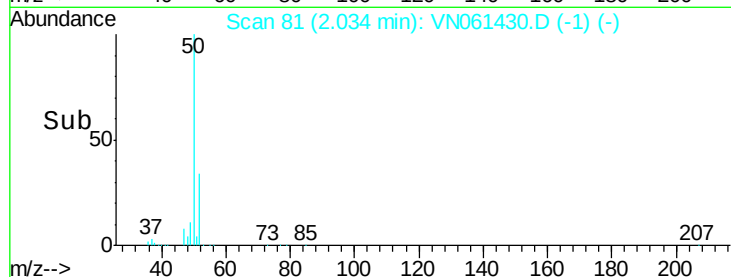
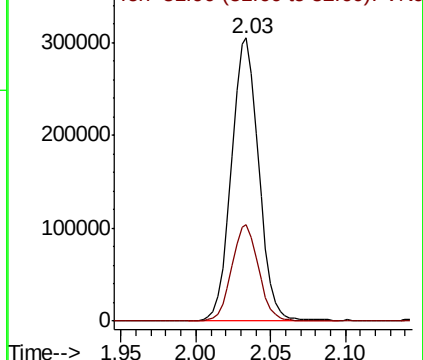
50 100

52 34.0 26.7 40.1



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 72.352 ug/l

RT: 2.16 min Scan# 120

Delta R.T. 0.00 min

Lab File: VN061430.D

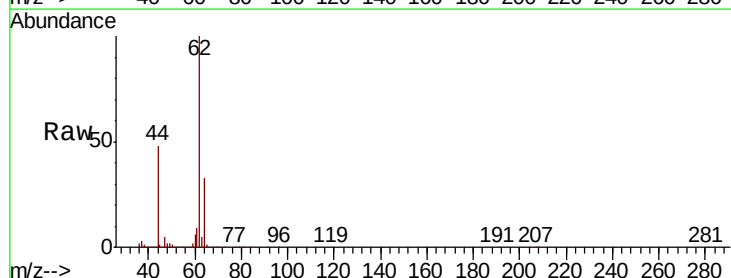
Acq: 18 May 2020 12:23

Tgt Ion: 62 Resp: 571504

Ion Ratio Lower Upper

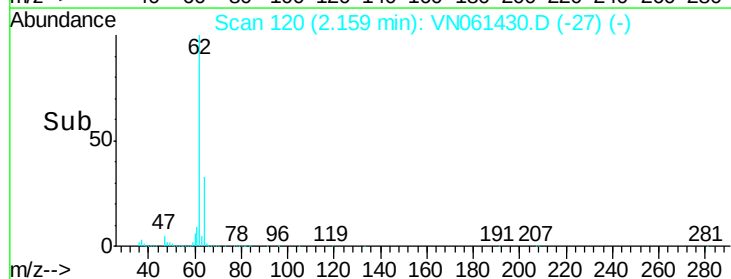
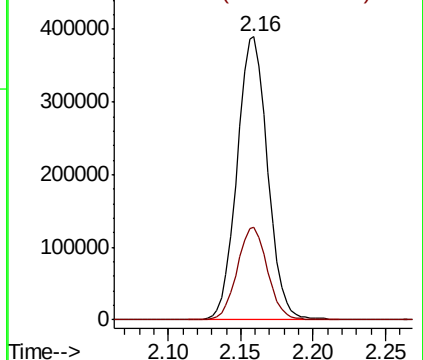
62 100

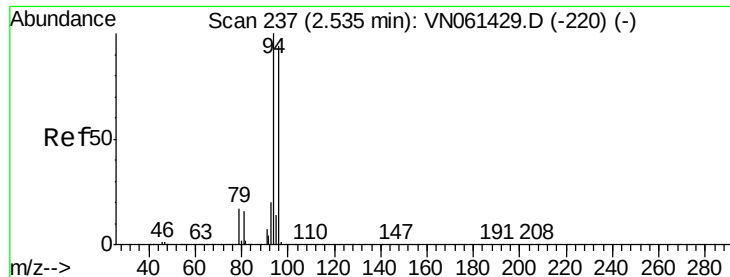
64 32.6 25.3 37.9



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 72.523 ug/l

RT: 2.53 min Scan# 234

Delta R.T. -0.01 min

Lab File: VN061430.D

Acq: 18 May 2020 12:23

Instrument :

MSVOA_N

ClientSampleId :

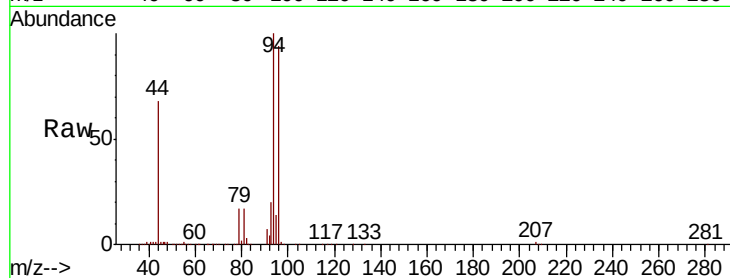
VSTDIC100

Tot Ion: 94 Resp: 310429

Ion Ratio Lower Upper

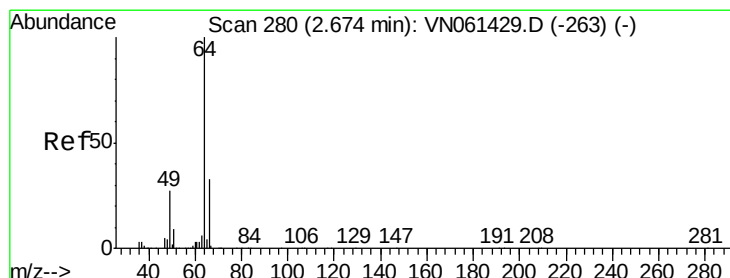
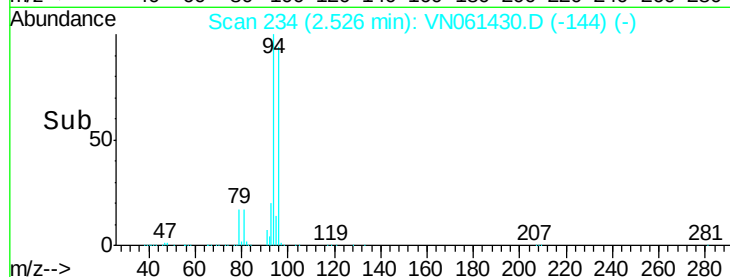
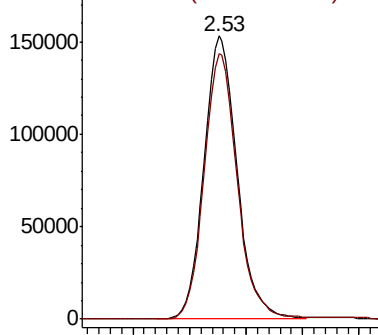
94 100

96 93.6 74.9 112.3



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 68.102 ug/l

RT: 2.67 min Scan# 279

Delta R.T. -0.00 min

Lab File: VN061430.D

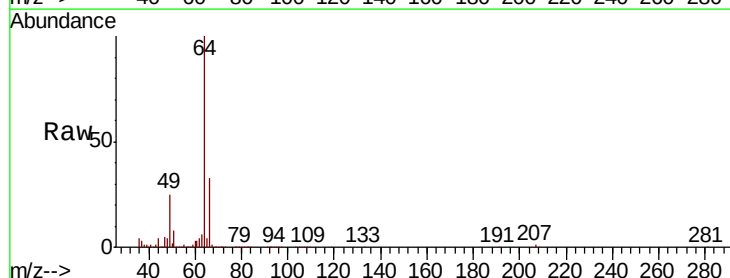
Acq: 18 May 2020 12:23

Tgt Ion: 64 Resp: 381623

Ion Ratio Lower Upper

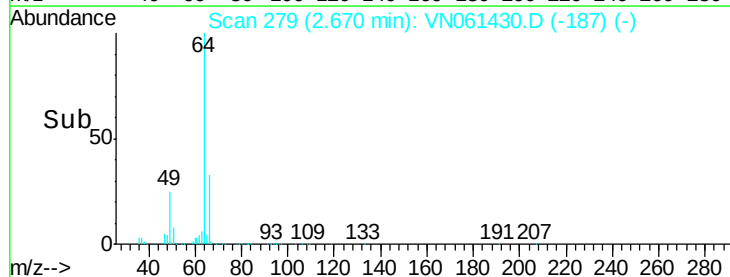
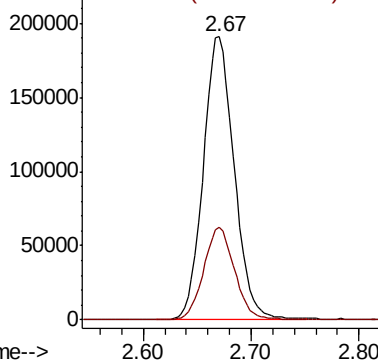
64 100

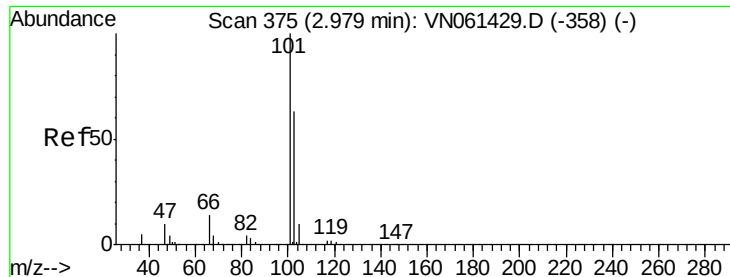
66 32.5 26.3 39.5



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



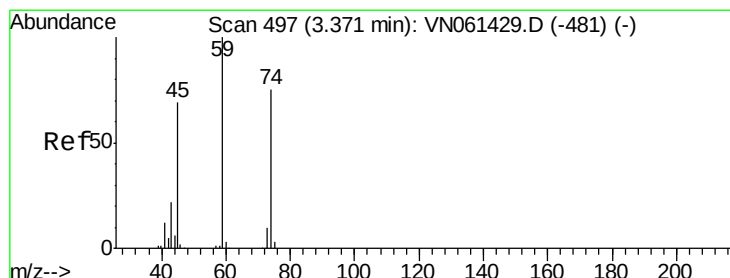
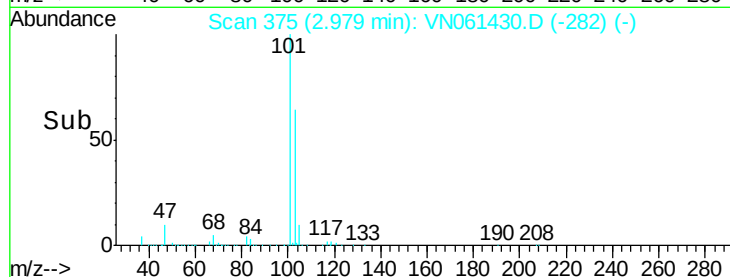
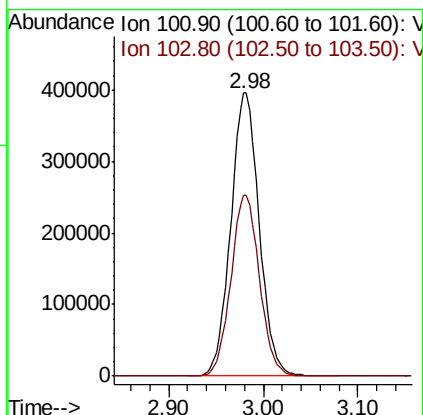
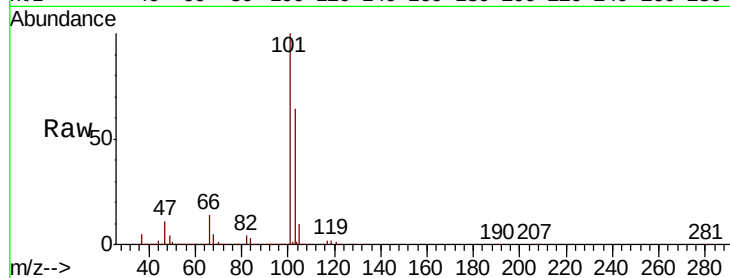


#7

Trichlorofluoromethane
 Concen: 85.159 ug/l
 RT: 2.98 min Scan# 375
 Delta R.T. -0.00 min
 Lab File: VN061430.D
 Acq: 18 May 2020 12:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

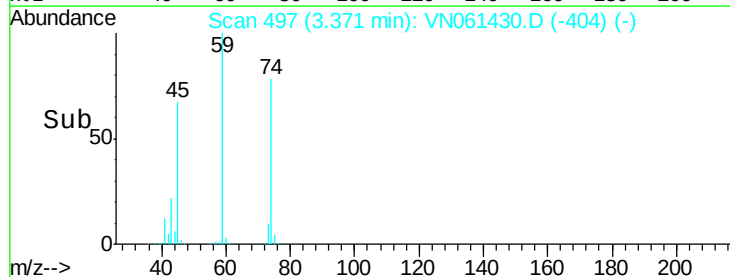
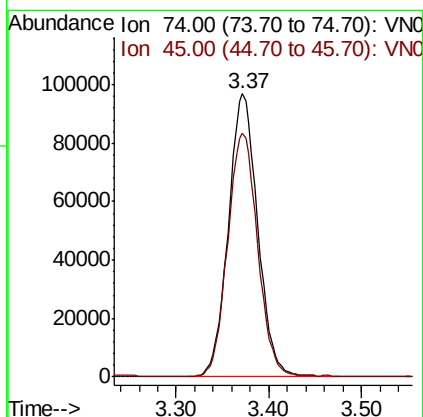
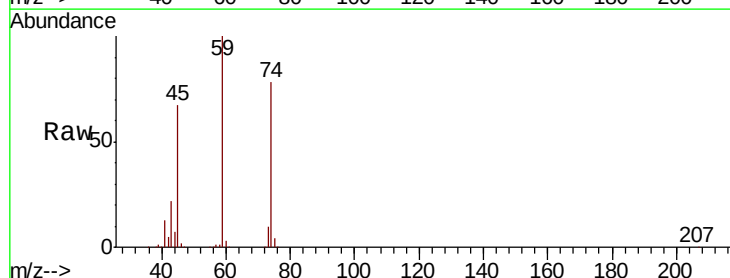
Tot Ion:101 Resp: 825643
 Ion Ratio Lower Upper
 101 100
 103 63.9 50.2 75.4

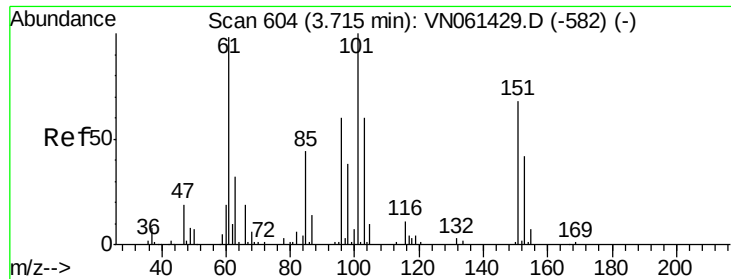


#8

Diethyl Ether
 Concen: 97.424 ug/l
 RT: 3.37 min Scan# 497
 Delta R.T. -0.00 min
 Lab File: VN061430.D
 Acq: 18 May 2020 12:23

Tgt Ion: 74 Resp: 212901
 Ion Ratio Lower Upper
 74 100
 45 88.1 45.7 137.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 100.900 ug/l

RT: 3.72 min Scan# 605

Delta R.T. 0.00 min

Lab File: VN061430.D

Acq: 18 May 2020 12:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

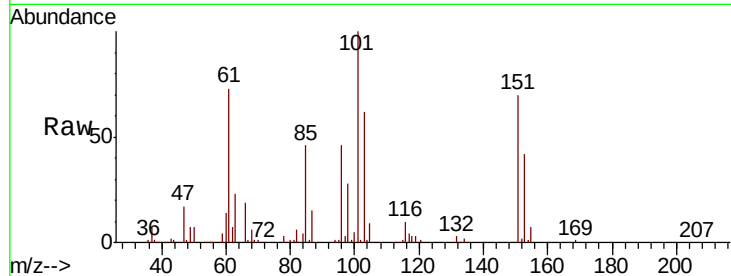
Tot Ion:101 Resp: 311635

Ion Ratio Lower Upper

101 100

85 45.9 36.6 55.0

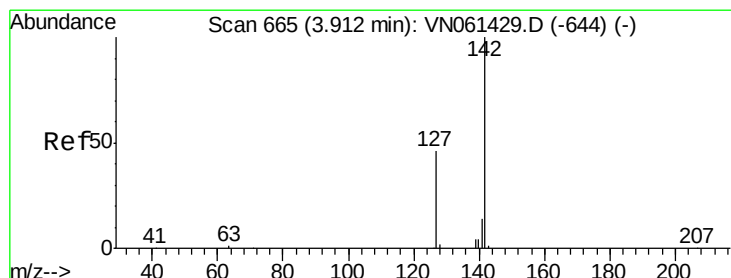
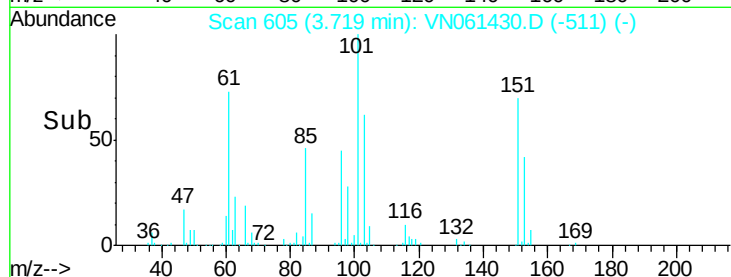
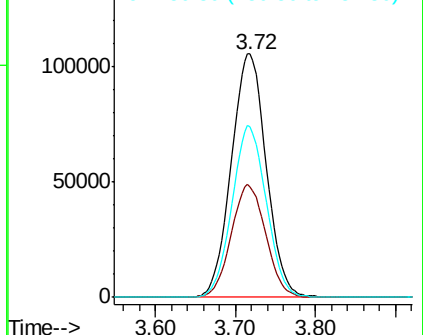
151 69.2 56.3 84.5



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 99.895 ug/l

RT: 3.91 min Scan# 664

Delta R.T. -0.00 min

Lab File: VN061430.D

Acq: 18 May 2020 12:23

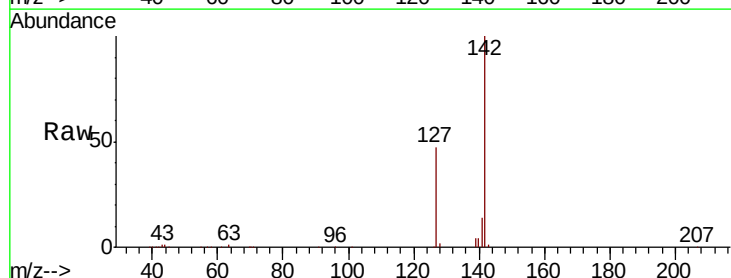
Tgt Ion:142 Resp: 384056

Ion Ratio Lower Upper

142 100

127 46.6 36.7 55.1

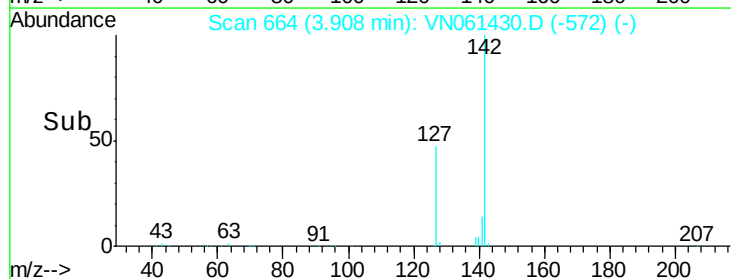
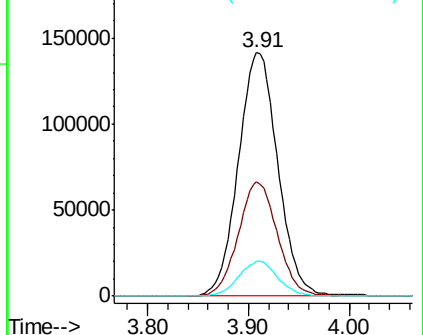
141 14.2 11.5 17.3

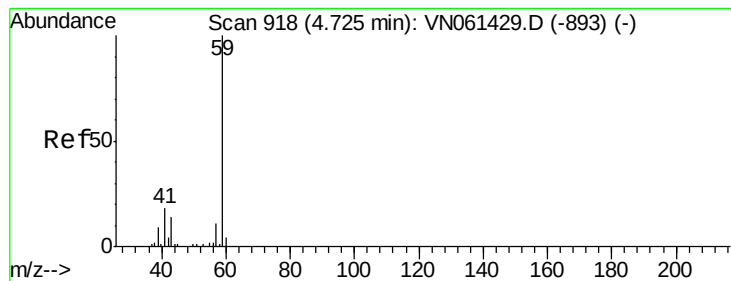


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



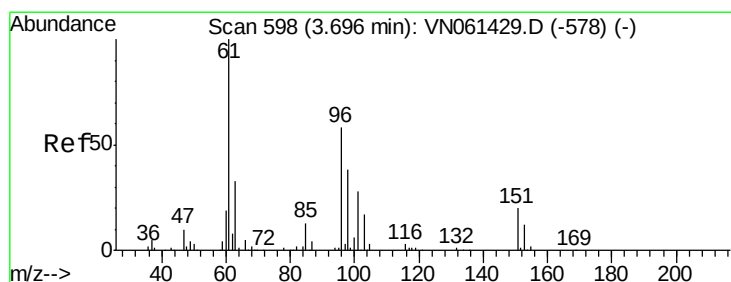
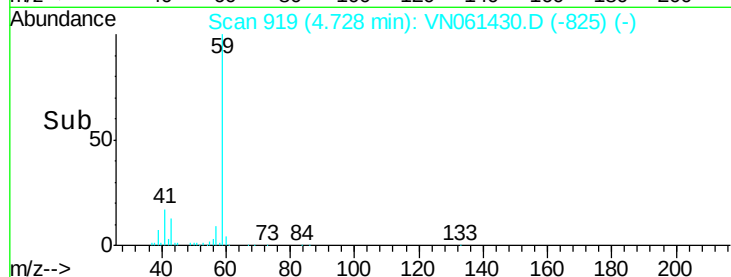
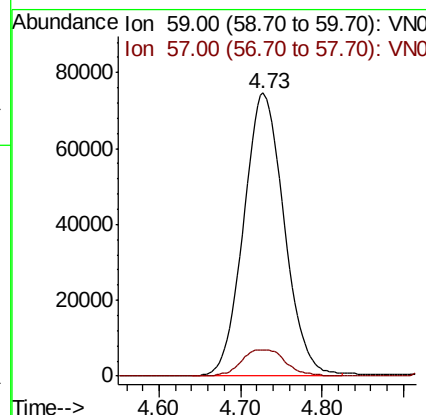
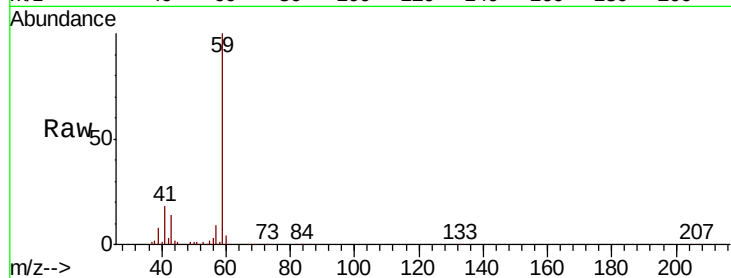


#11

Tert butyl alcohol
 Concen: 680.627 ug/l
 RT: 4.73 min Scan# 919
 Delta R.T. 0.00 min
 Lab File: VN061430.D
 Acq: 18 May 2020 12:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

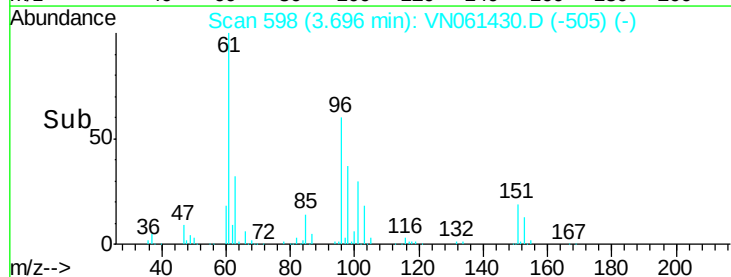
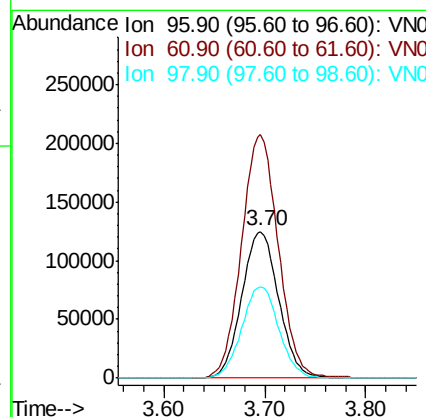
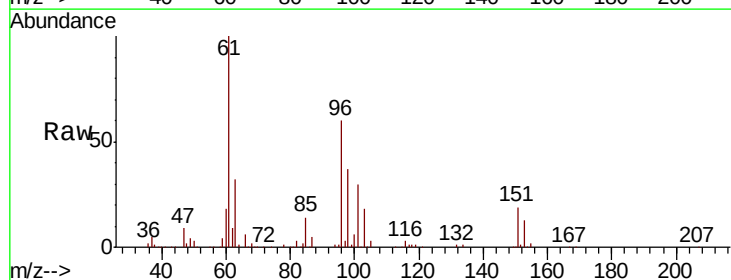
Tot Ion: 59 Resp: 257090
 Ion Ratio Lower Upper
 59 100
 57 10.3 8.2 12.2

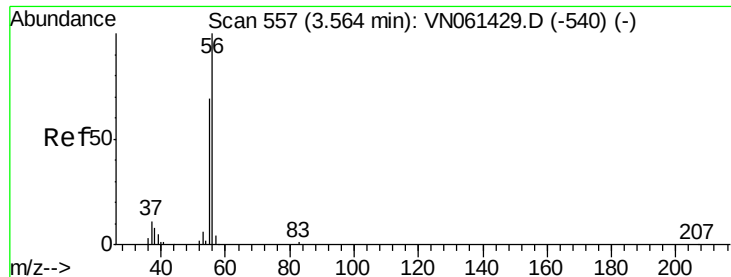


#12

1,1-Dichloroethene
 Concen: 95.697 ug/l
 RT: 3.70 min Scan# 598
 Delta R.T. 0.00 min
 Lab File: VN061430.D
 Acq: 18 May 2020 12:23

Tgt Ion: 96 Resp: 316547
 Ion Ratio Lower Upper
 96 100
 61 165.8 138.7 208.1
 98 62.0 53.0 79.6





#13

Acrolein

Concen: 453.743 ug/l

RT: 3.56 min Scan# 557

Delta R.T. -0.00 min

Lab File: VN061430.D

Acq: 18 May 2020 12:23

Instrument :

MSVOA_N

ClientSampleId :

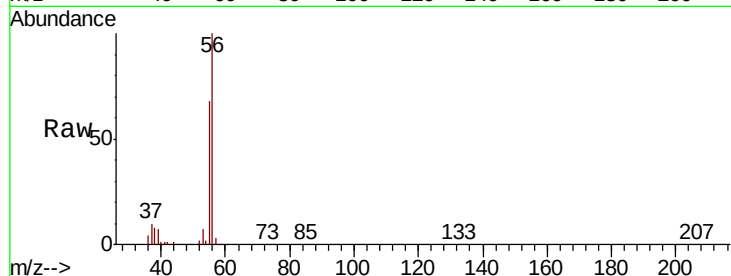
VSTDIC100

Tot Ion: 56 Resp: 194041

Ion Ratio Lower Upper

56 100

55 69.6 54.8 82.2



Abundance Ion 56.00 (55.70 to 56.70): VN061429.D (-540) (-)

Ion 55.00 (54.70 to 55.70): VN061429.D (-540) (-)

3.56

80000

60000

40000

20000

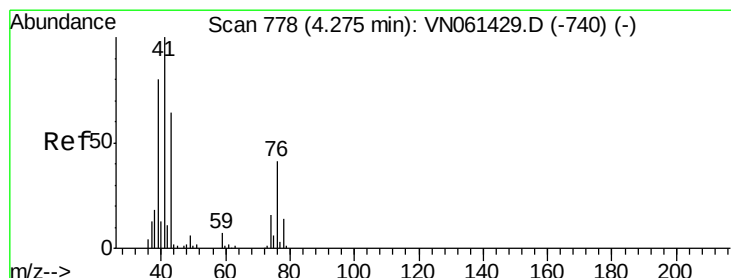
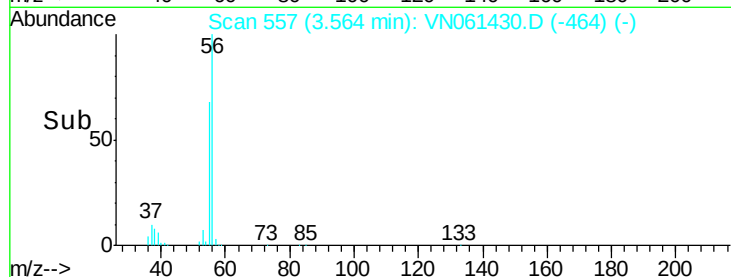
0

Time-->

3.50

3.60

3.70



#14

Allyl chloride

Concen: 83.662 ug/l

RT: 4.27 min Scan# 778

Delta R.T. -0.00 min

Lab File: VN061430.D

Acq: 18 May 2020 12:23

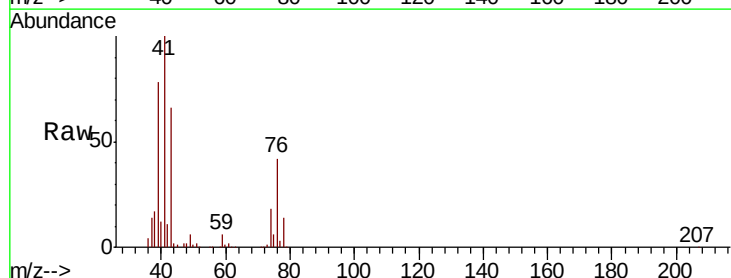
Tgt Ion: 41 Resp: 490608

Ion Ratio Lower Upper

41 100

39 80.7 61.2 91.8

76 41.8 29.9 44.9



Abundance Ion 41.00 (40.70 to 41.70): VN061429.D (-740) (-)

Ion 39.00 (38.70 to 39.70): VN061429.D (-740) (-)

Ion 75.90 (75.60 to 76.60): VN061429.D (-740) (-)

4.27

200000

150000

100000

50000

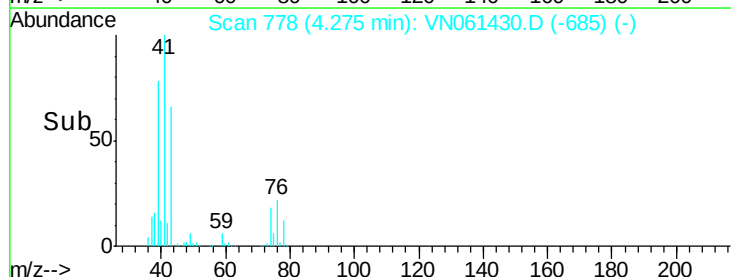
0

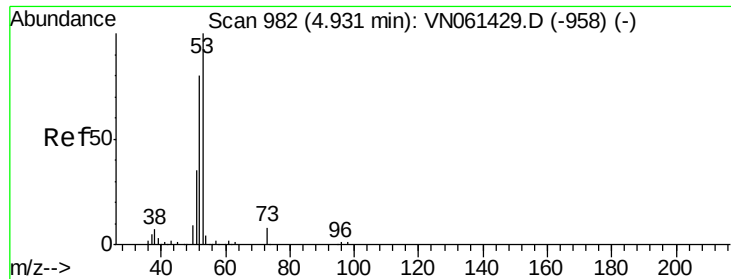
Time-->

4.20

4.30

4.40





#15

Acrylonitrile

Concen: 503.140 ug/l

RT: 4.93 min Scan# 981

Delta R.T. -0.00 min

Lab File: VN061430.D

Acq: 18 May 2020 12:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

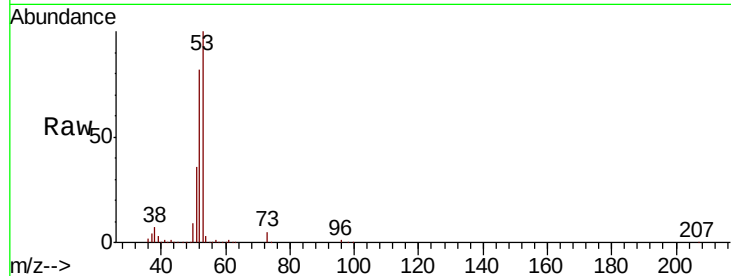
Tot Ion: 53 Resp: 811732

Ion Ratio Lower Upper

53 100

52 82.0 64.7 97.1

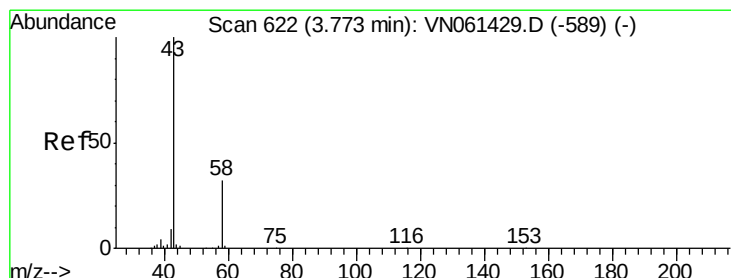
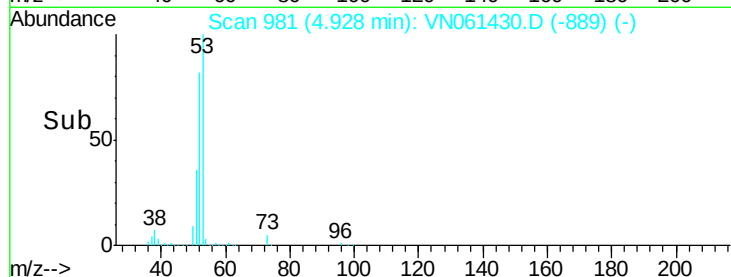
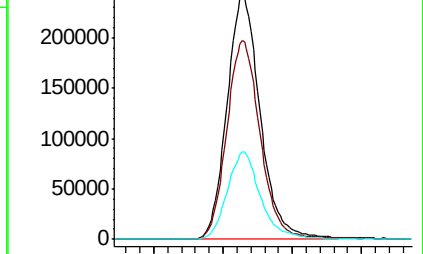
51 36.1 29.5 44.3



Abundance Ion 53.00 (52.70 to 53.70): VN061430.D (-889) (-)

Ion 52.00 (51.70 to 52.70): VN061430.D (-889) (-)

Ion 51.00 (50.70 to 51.70): VN061430.D (-889) (-)



#16

Acetone

Concen: 488.537 ug/l

RT: 3.77 min Scan# 621

Delta R.T. -0.00 min

Lab File: VN061430.D

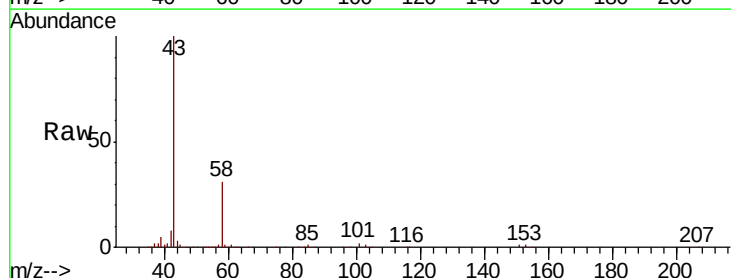
Acq: 18 May 2020 12:23

Tgt Ion: 43 Resp: 617555

Ion Ratio Lower Upper

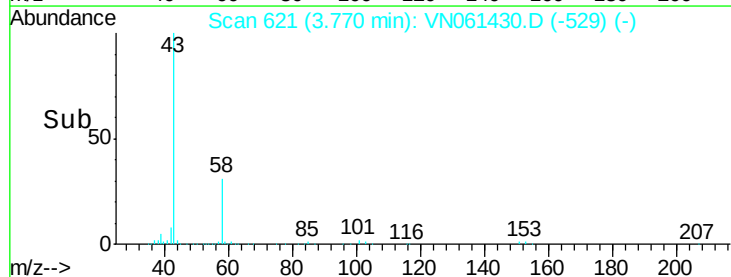
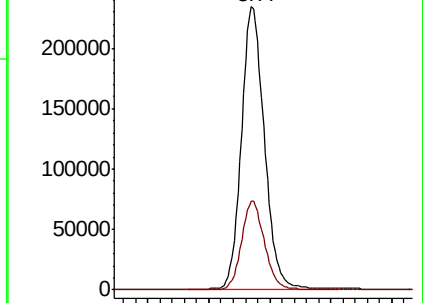
43 100

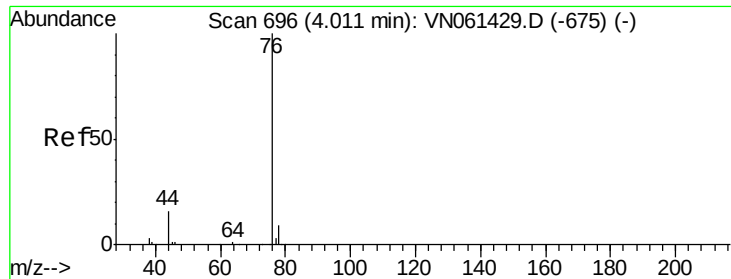
58 31.2 25.6 38.4



Abundance Ion 43.00 (42.70 to 43.70): VN061430.D (-529) (-)

Ion 58.00 (57.70 to 58.70): VN061430.D (-529) (-)





#17

Carbon Disulfide

Concen: 82.558 ug/l

RT: 4.01 min Scan# 695

Delta R.T. -0.00 min

Lab File: VN061430.D

Acq: 18 May 2020 12:23

Instrument :

MSVOA_N

ClientSampleId :

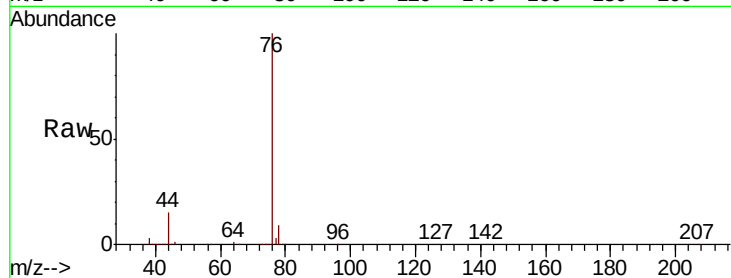
VSTDIC100

Tot Ion: 76 Resp: 702812

Ion Ratio Lower Upper

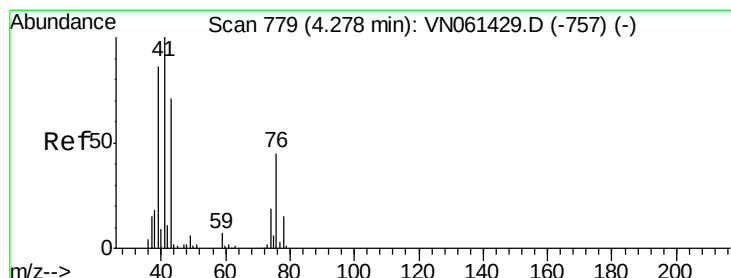
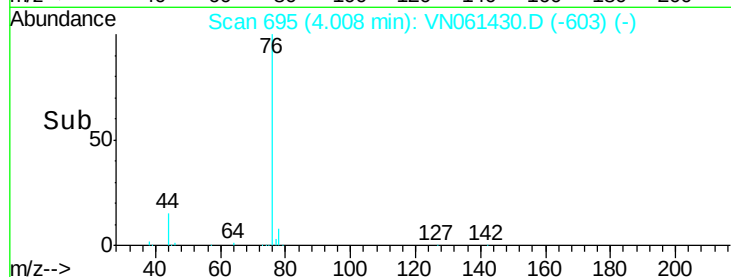
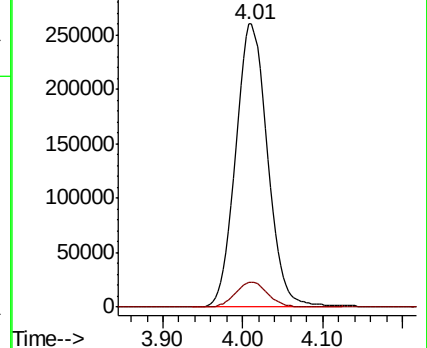
76 100

78 8.8 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) (-)



#18

Methyl Acetate

Concen: 88.527 ug/l

RT: 4.27 min Scan# 778

Delta R.T. -0.00 min

Lab File: VN061430.D

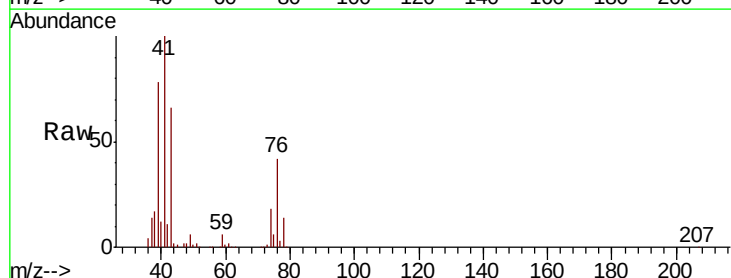
Acq: 18 May 2020 12:23

Tgt Ion: 43 Resp: 327460

Ion Ratio Lower Upper

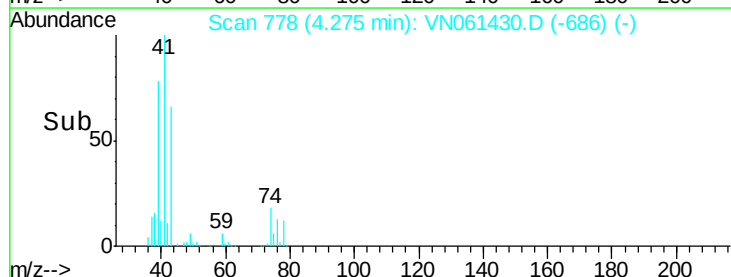
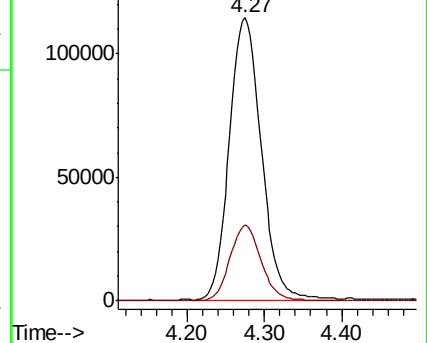
43 100

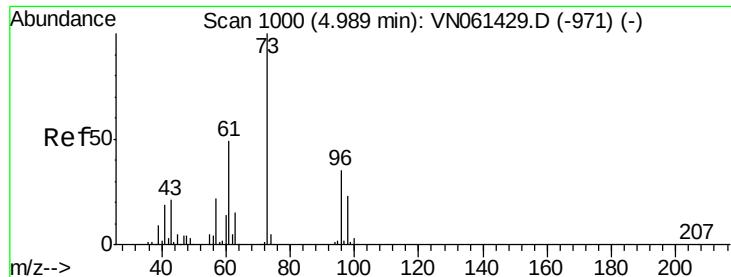
74 26.3 20.8 31.2



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

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



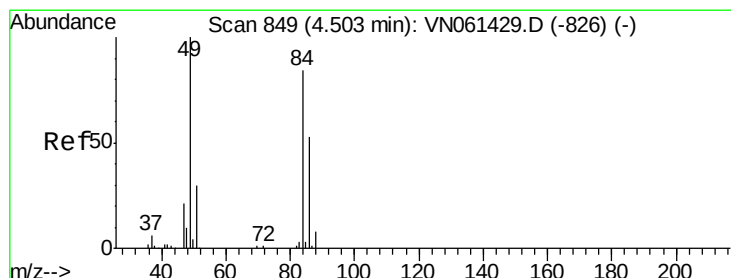
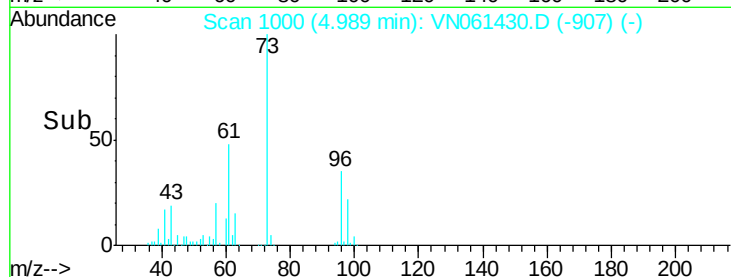
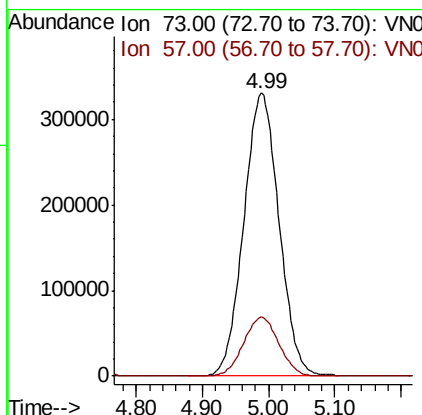
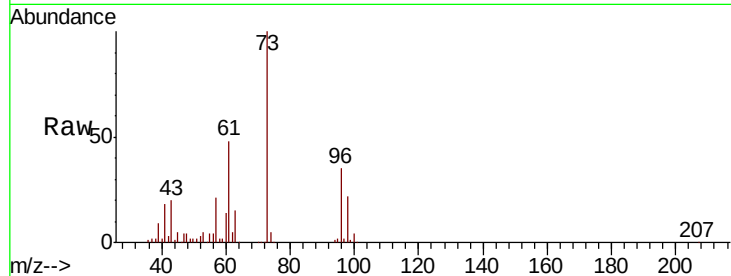


#19

Methyl tert-butyl Ether
 Concen: 94.375 ug/l
 RT: 4.99 min Scan# 1000
 Delta R.T. -0.00 min
 Lab File: VN061430.D
 Acq: 18 May 2020 12:23

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC100

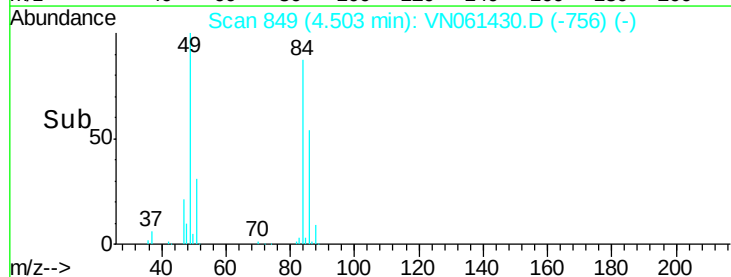
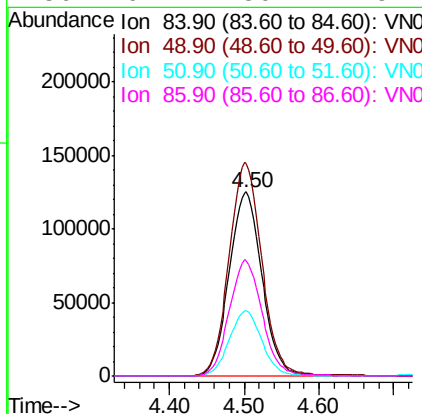
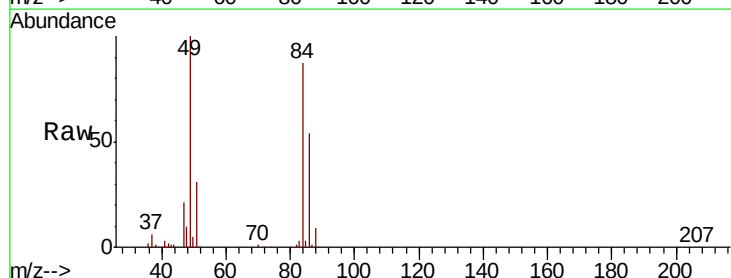
Tot Ion: 73 Resp: 1222144
 Ion Ratio Lower Upper
 73 100
 57 20.8 17.4 26.0

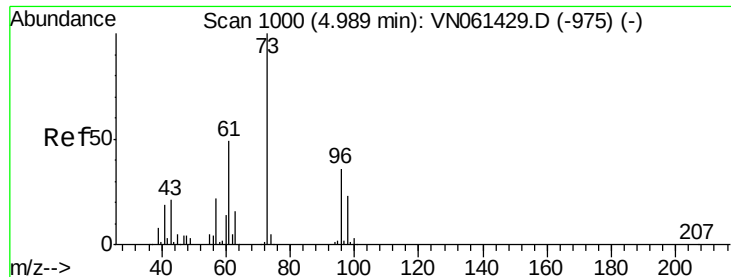


#20

Methylene Chloride
 Concen: 95.750 ug/l
 RT: 4.50 min Scan# 849
 Delta R.T. 0.00 min
 Lab File: VN061430.D
 Acq: 18 May 2020 12:23

Tgt Ion: 84 Resp: 382017
 Ion Ratio Lower Upper
 84 100
 49 115.6 95.3 142.9
 51 35.8 29.0 43.6
 86 62.7 50.2 75.2





#21

trans-1,2-Dichloroethene

Concen: 94.871 ug/l

RT: 4.99 min Scan# 999

Delta R.T. -0.00 min

Lab File: VN061430.D

Acq: 18 May 2020 12:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

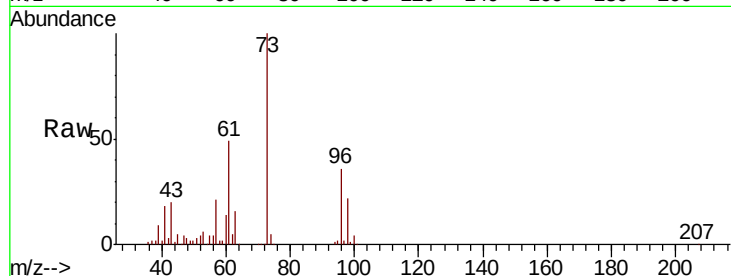
Tot Ion: 96 Resp: 379526

Ion Ratio Lower Upper

96 100

61 138.4 109.8 164.6

98 62.9 52.4 78.6

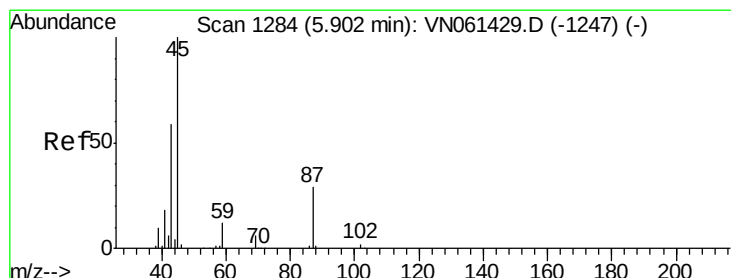
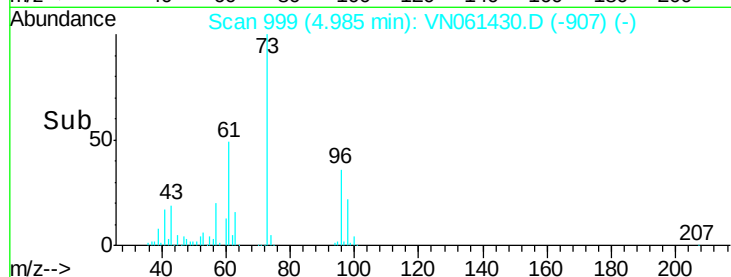
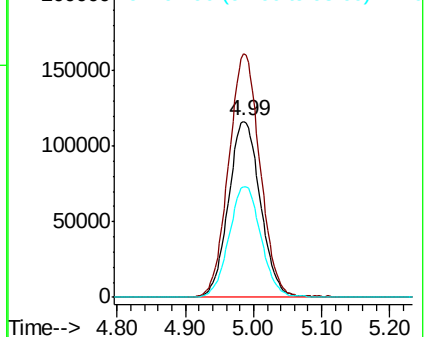


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 90.274 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VN061430.D

Acq: 18 May 2020 12:23

Tgt Ion: 45 Resp: 1177637

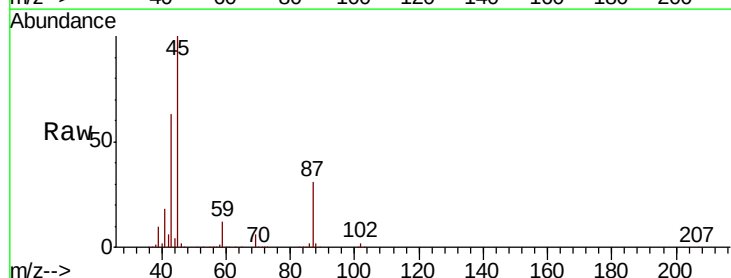
Ion Ratio Lower Upper

45 100

43 61.8 47.9 71.9

87 31.1 24.0 36.0

59 12.2 9.7 14.5



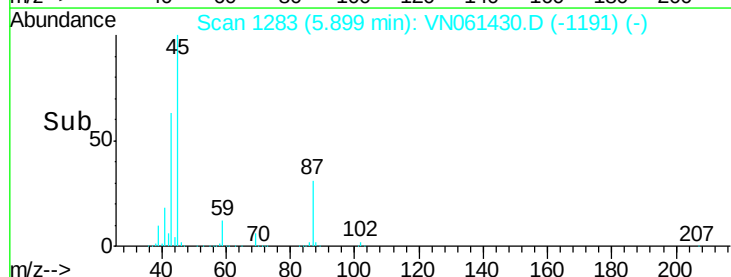
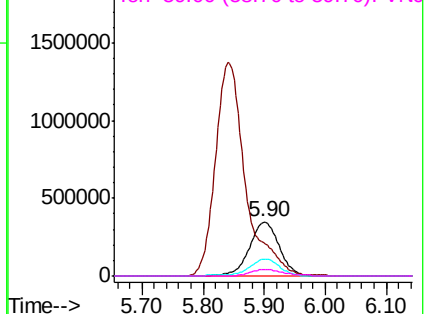
Abundance

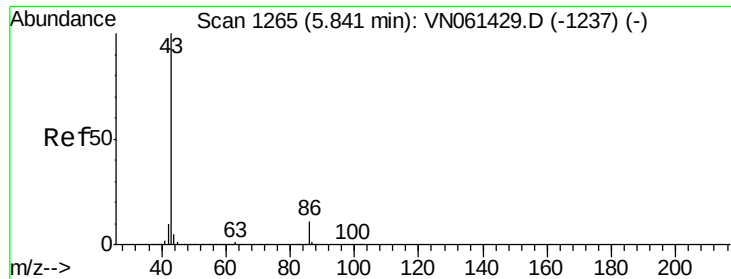
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





#23

Vinyl Acetate

Concen: 445.220 ug/l

RT: 5.84 min Scan# 1265

Delta R.T. 0.00 min

Lab File: VN061430.D

Acq: 18 May 2020 12:23

Instrument :

MSVOA_N

ClientSampleId :

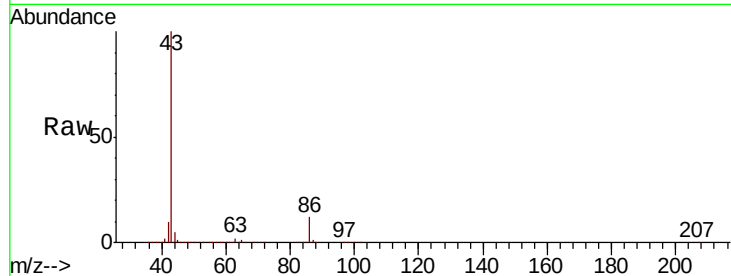
VSTDIC100

Tot Ion: 43 Resp: 4727823

Ion Ratio Lower Upper

43 100

86 12.2 9.1 13.7



Abundance Ion 43.00 (42.70 to 43.70): VN061430.D (-1172) (-)

Ion 86.00 (85.70 to 86.70): VN061430.D (-1172) (-)

5.84

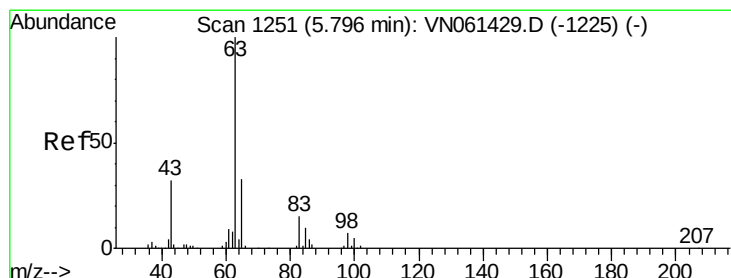
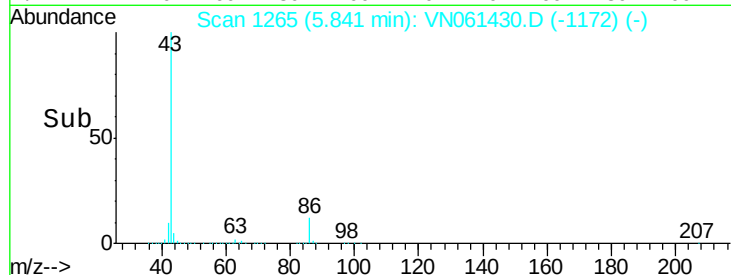
1500000

1000000

500000

0

Time--> 5.60 5.80 6.00



#24

1,1-Dichloroethane

Concen: 93.029 ug/l

RT: 5.80 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VN061430.D

Acq: 18 May 2020 12:23

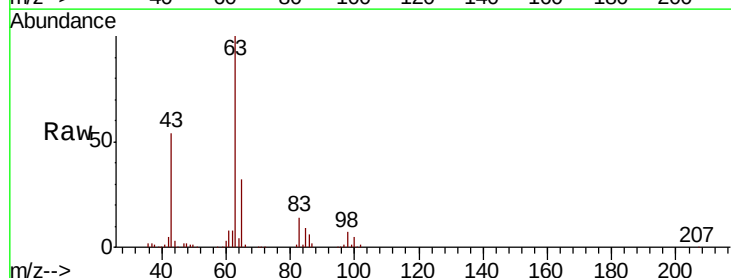
Tgt Ion: 63 Resp: 693127

Ion Ratio Lower Upper

63 100

98 7.0 3.5 10.5

100 4.8 2.3 6.9



Abundance Ion 62.90 (62.60 to 63.60): VN061430.D (-1158) (-)

Ion 97.90 (97.60 to 98.60): VN061430.D (-1158) (-)

Ion 99.90 (99.60 to 100.60): VN061430.D (-1158) (-)

5.80

300000

250000

200000

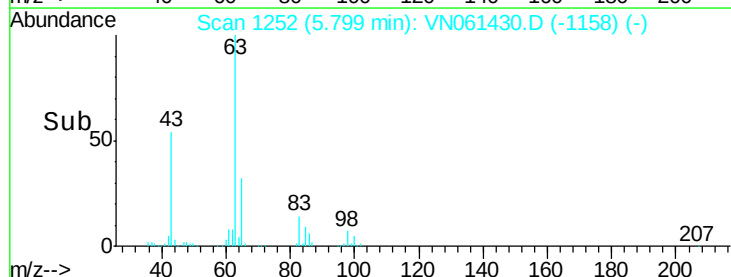
150000

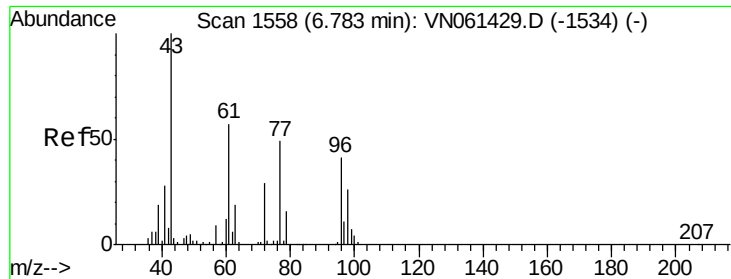
100000

50000

0

Time--> 5.70 5.80 5.90





#25

2-Butanone

Concen: 496.054 ug/l

RT: 6.78 min Scan# 1558

Delta R.T. 0.00 min

Lab File: VN061430.D

Acq: 18 May 2020 12:23

Instrument :

MSVOA_N

ClientSampleId :

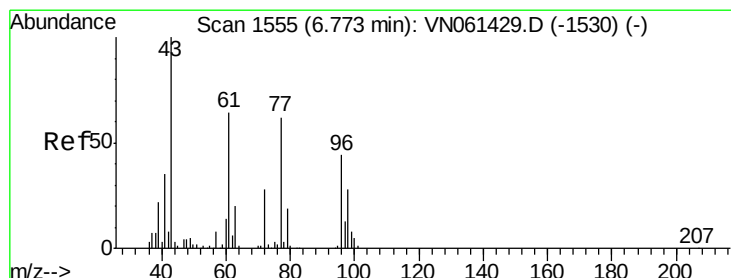
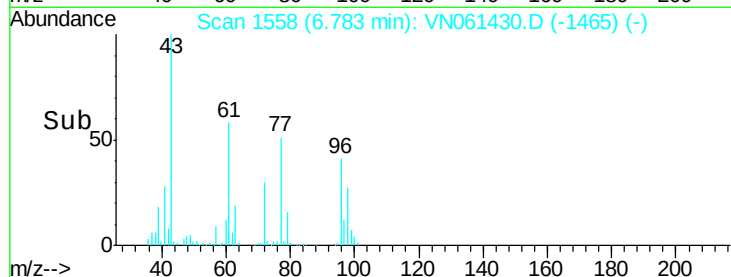
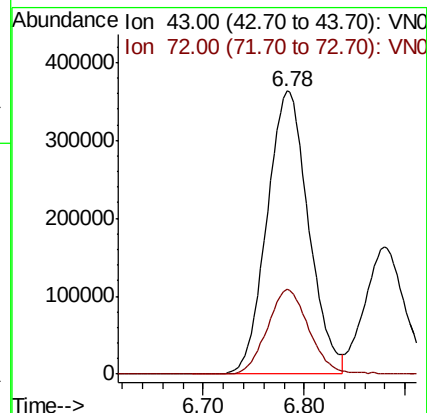
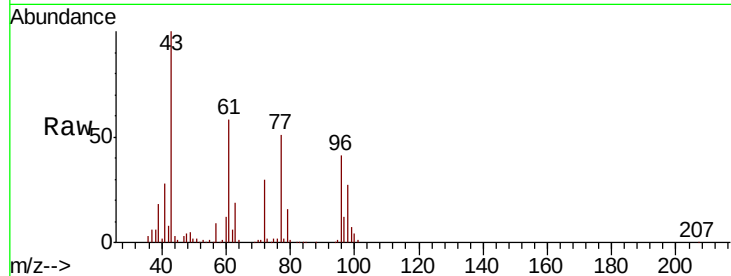
VSTDIC100

Tot Ion: 43 Resp: 1037998

Ion Ratio Lower Upper

43 100

72 30.0 23.0 34.6



#26

2,2-Dichloropropane

Concen: 100.861 ug/l

RT: 6.77 min Scan# 1555

Delta R.T. 0.00 min

Lab File: VN061430.D

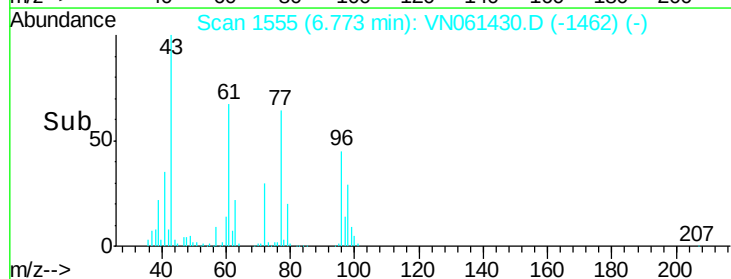
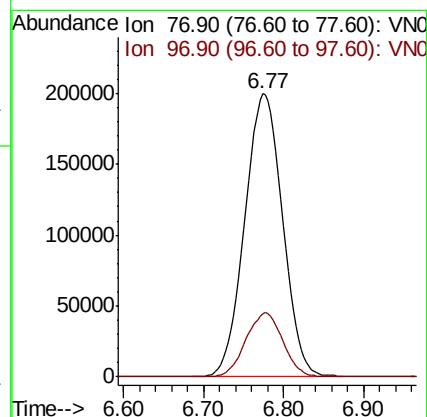
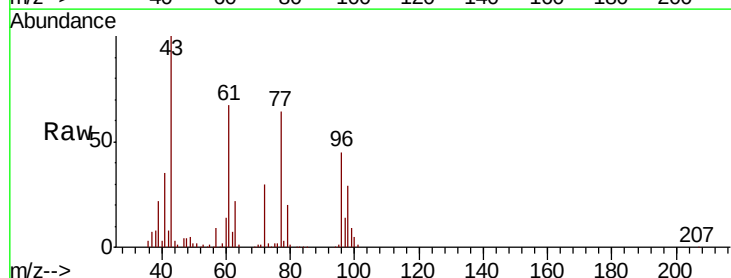
Acq: 18 May 2020 12:23

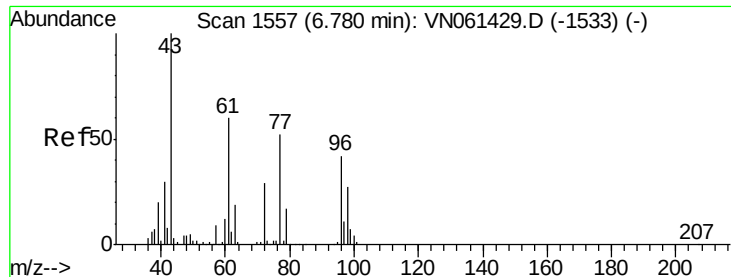
Tgt Ion: 77 Resp: 643493

Ion Ratio Lower Upper

77 100

97 22.2 10.9 32.9

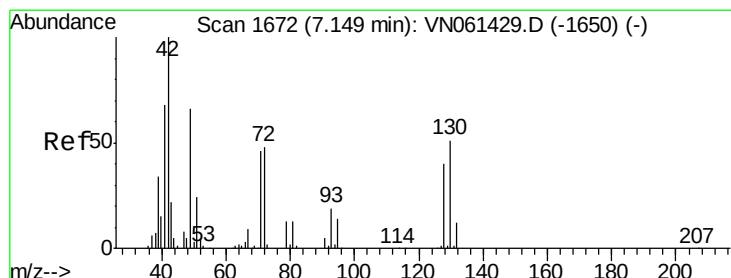
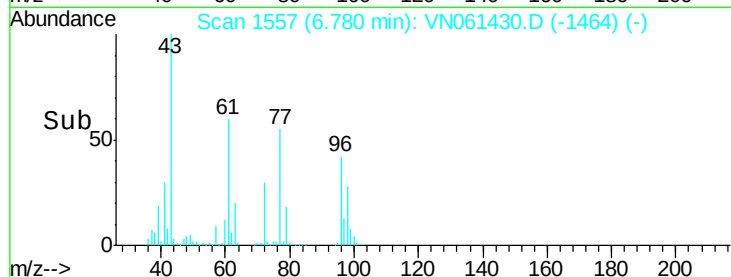
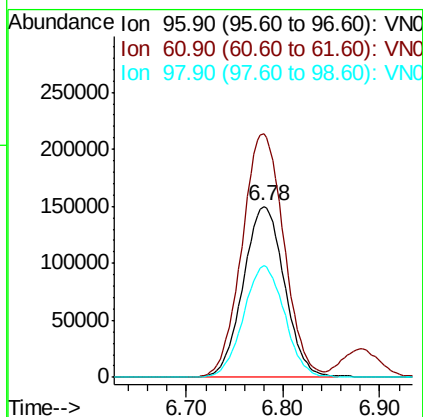
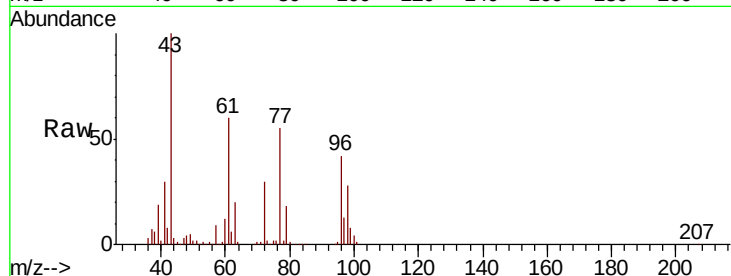




#27
 cis-1,2-Dichloroethene
 Concen: 95.668 ug/l
 RT: 6.78 min Scan# 1557
 Delta R.T. 0.00 min
 Lab File: VN061430.D
 Acq: 18 May 2020 12:23

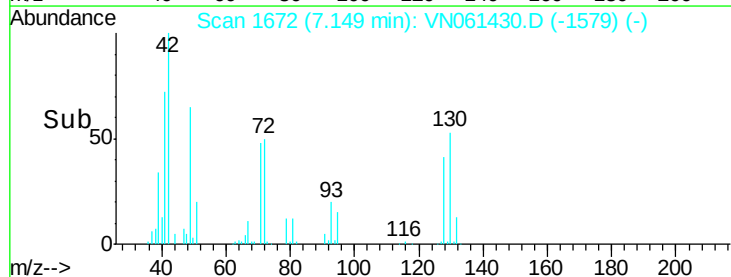
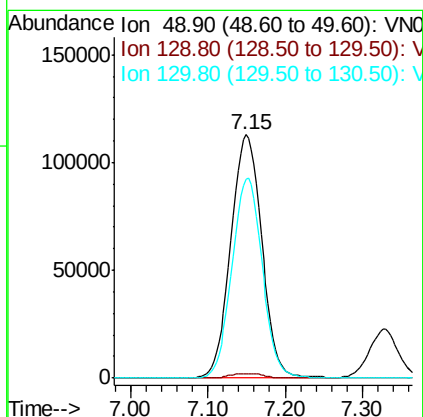
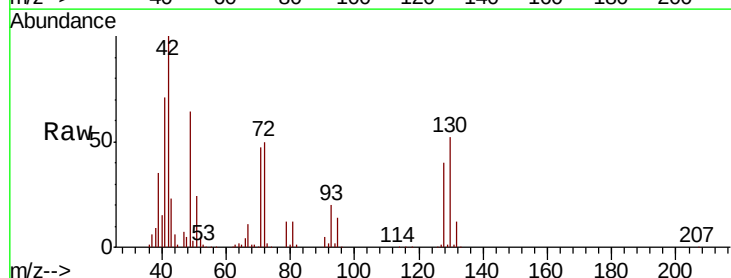
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

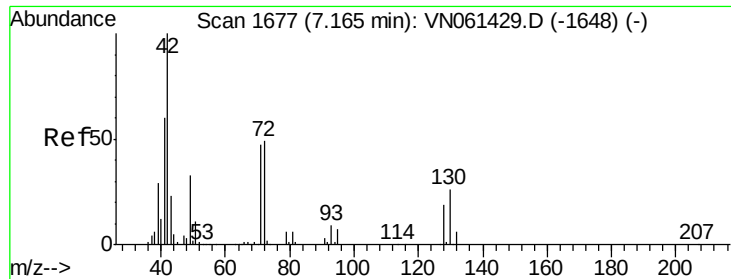
Tot Ion: 96 Resp: 444441
 Ion Ratio Lower Upper
 96 100
 61 144.7 0.0 294.2
 98 65.1 0.0 128.2



#28
 Bromochloromethane
 Concen: 96.211 ug/l
 RT: 7.15 min Scan# 1672
 Delta R.T. -0.00 min
 Lab File: VN061430.D
 Acq: 18 May 2020 12:23

Tgt Ion: 49 Resp: 314762
 Ion Ratio Lower Upper
 49 100
 129 1.2 0.0 4.6
 130 80.2 62.2 93.2

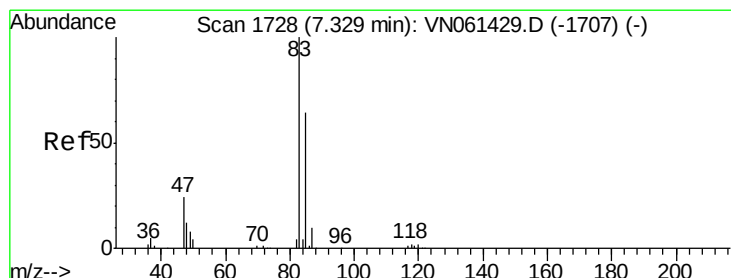
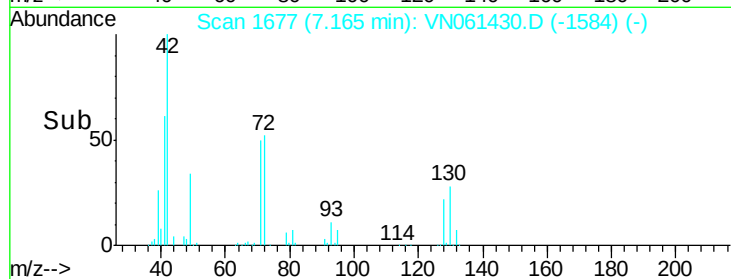
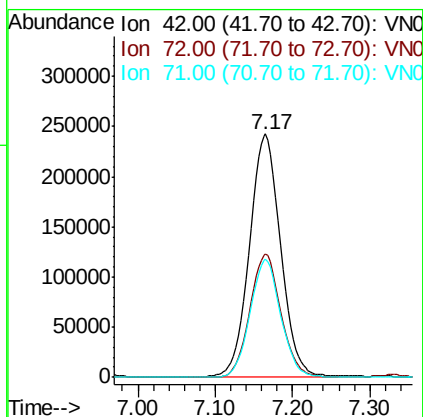
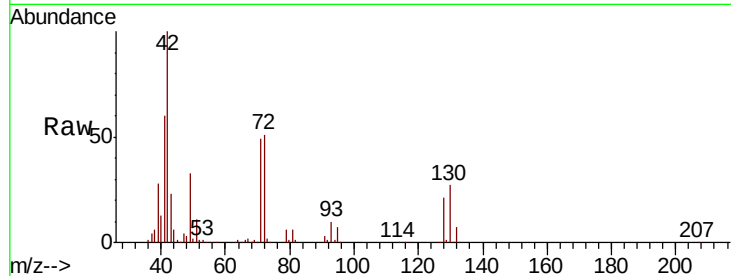




#29
Tetrahydrofuran
Concen: 481.257 ug/l
RT: 7.17 min Scan# 1677
Delta R.T. 0.00 min
Lab File: VN061430.D
Acq: 18 May 2020 12:23

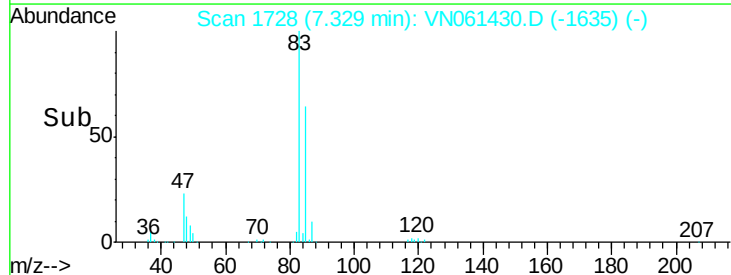
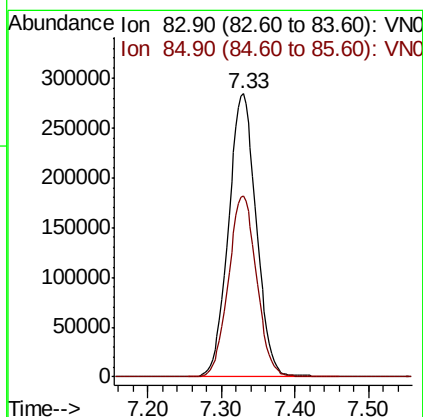
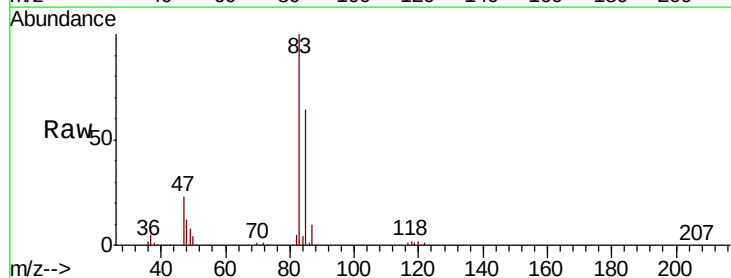
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

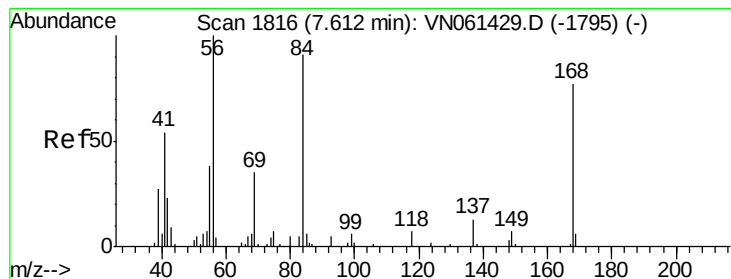
Tot Ion: 42 Resp: 683603
Ion Ratio Lower Upper
42 100
72 50.4 39.0 58.6
71 47.5 36.9 55.3



#30
Chloroform
Concen: 95.510 ug/l
RT: 7.33 min Scan# 1728
Delta R.T. 0.00 min
Lab File: VN061430.D
Acq: 18 May 2020 12:23

Tgt Ion: 83 Resp: 746883
Ion Ratio Lower Upper
83 100
85 63.7 51.0 76.4





#31

Cyclohexane

Concen: 83.350 ug/l

RT: 7.61 min Scan# 1816

Delta R.T. 0.00 min

Lab File: VN061430.D

Acq: 18 May 2020 12:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

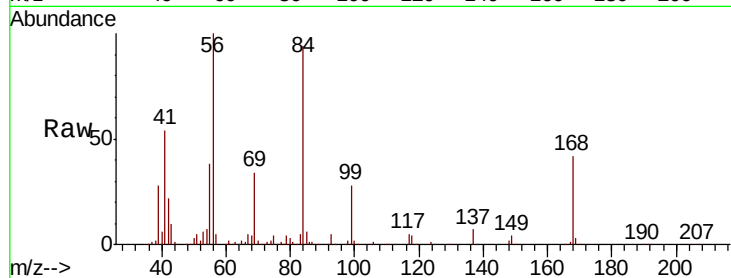
Tot Ion: 56 Resp: 609627

Ion Ratio Lower Upper

56 100

69 33.8 27.8 41.6

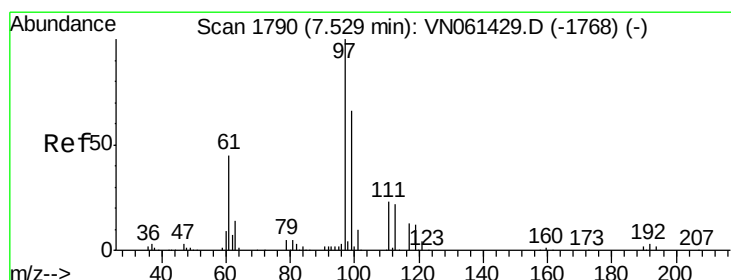
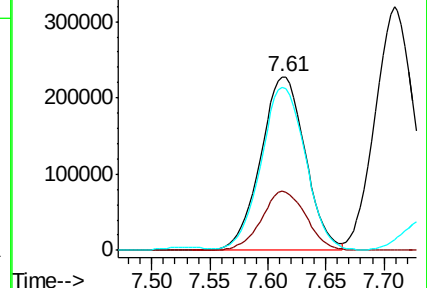
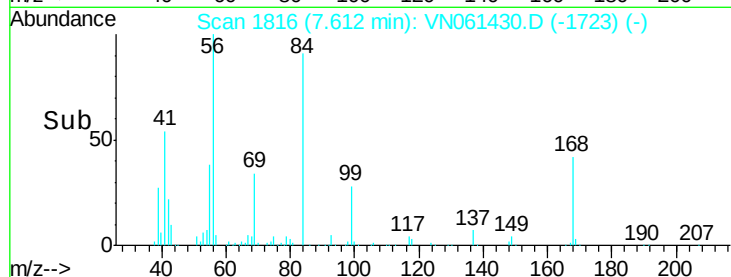
84 92.1 72.7 109.1



Abundance Ion 56.00 (55.70 to 56.70): VN061430.D (-1723) (-)

Ion 69.00 (68.70 to 69.70): VN061430.D (-1723) (-)

Ion 84.00 (83.70 to 84.70): VN061430.D (-1723) (-)



#32

1,1,1-Trichloroethane

Concen: 97.147 ug/l

RT: 7.53 min Scan# 1790

Delta R.T. 0.00 min

Lab File: VN061430.D

Acq: 18 May 2020 12:23

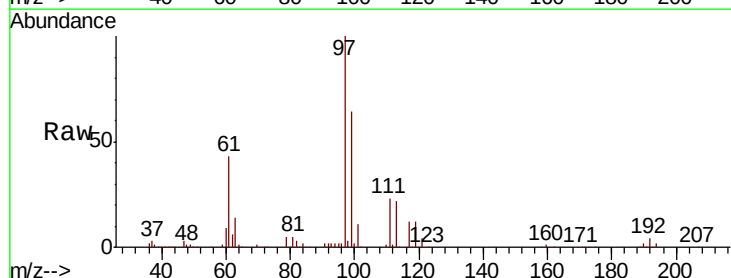
Tgt Ion: 97 Resp: 676197

Ion Ratio Lower Upper

97 100

99 63.3 51.5 77.3

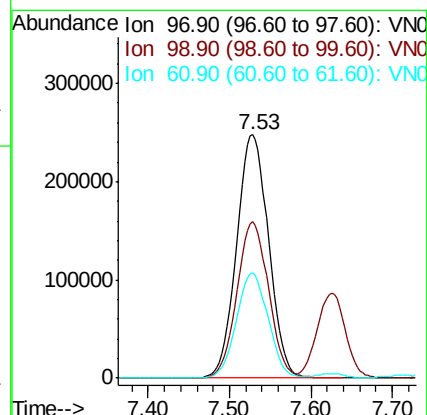
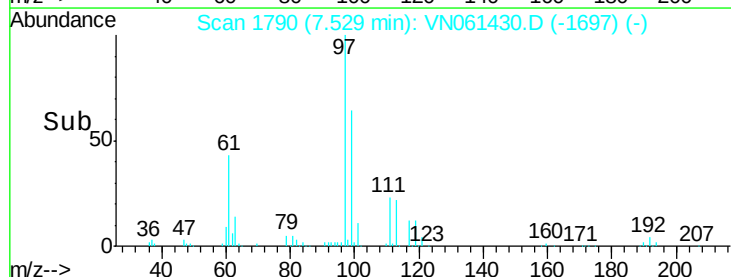
61 43.0 35.8 53.6

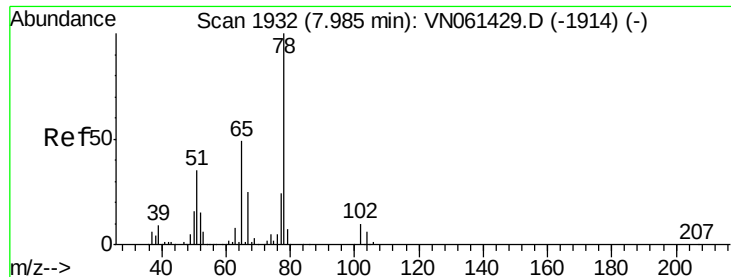


Abundance Ion 96.90 (96.60 to 97.60): VN061430.D (-1697) (-)

Ion 98.90 (98.60 to 99.60): VN061430.D (-1697) (-)

Ion 60.90 (60.60 to 61.60): VN061430.D (-1697) (-)

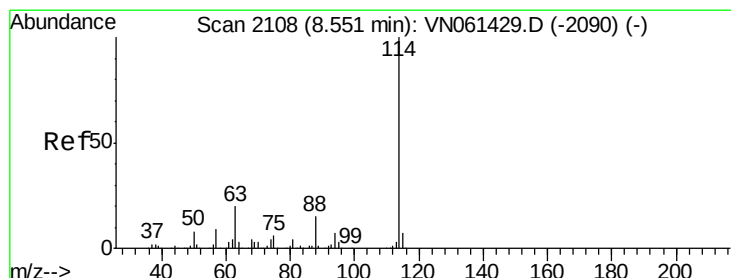
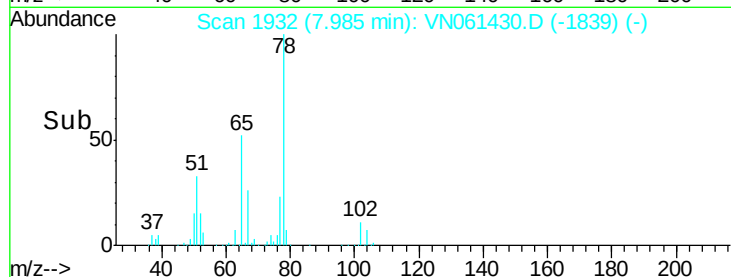
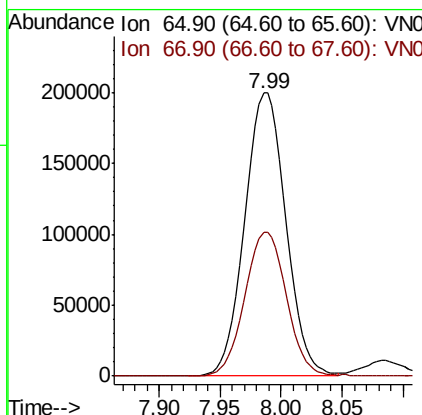
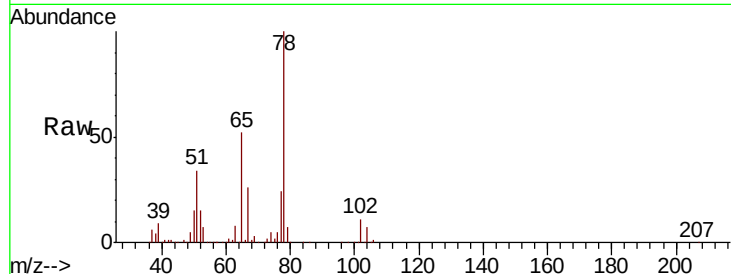




#33
 1,2-Dichloroethane-d4
 Concen: 93.055 ug/l
 RT: 7.99 min Scan# 1932
 Delta R.T. 0.00 min
 Lab File: VN061430.D
 Acq: 18 May 2020 12:23

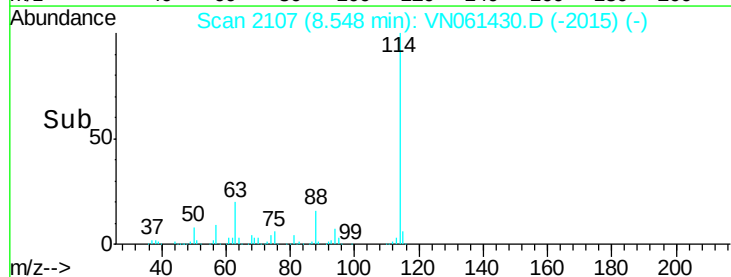
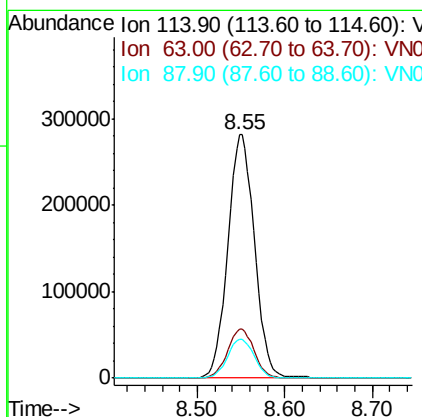
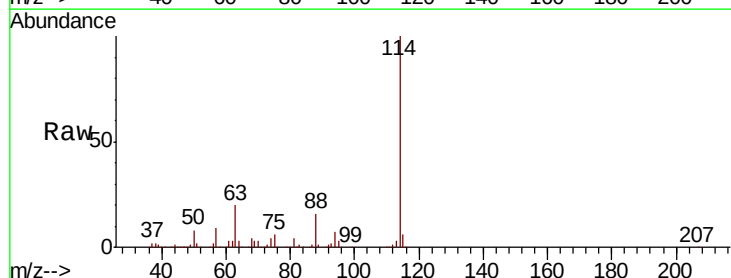
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

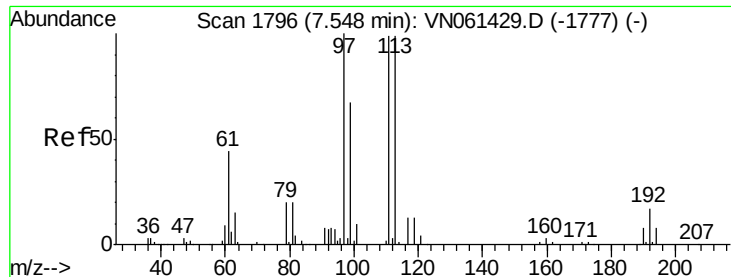
Tot Ion: 65 Resp: 466003
 Ion Ratio Lower Upper
 65 100
 67 51.5 0.0 101.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2107
 Delta R.T. -0.00 min
 Lab File: VN061430.D
 Acq: 18 May 2020 12:23

Tgt Ion: 114 Resp: 594329
 Ion Ratio Lower Upper
 114 100
 63 20.1 0.0 40.8
 88 16.1 0.0 30.8

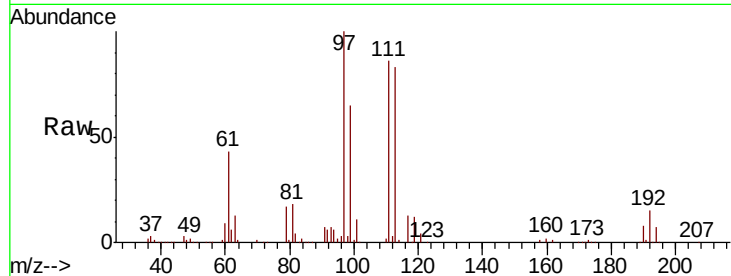




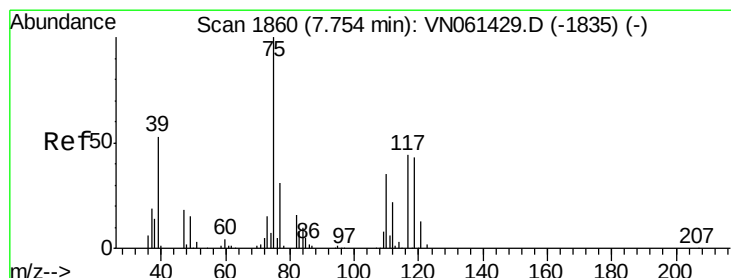
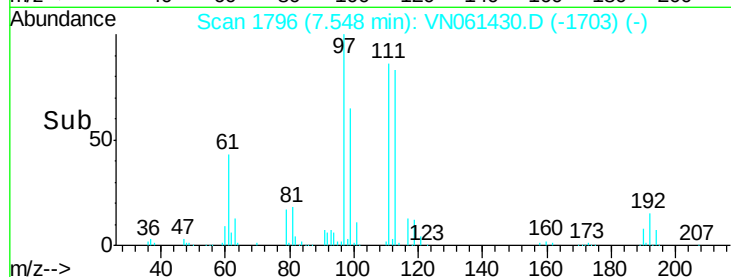
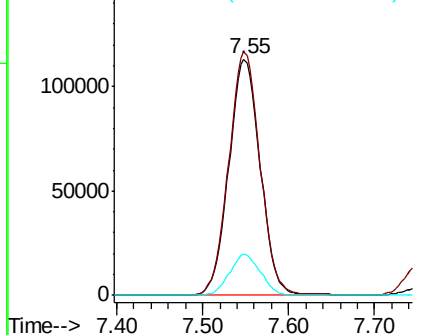
#35
 Dibromofluoromethane
 Concen: 96.226 ug/l
 RT: 7.55 min Scan# 1796
 Delta R.T. 0.00 min
 Lab File: VN061430.D
 Acq: 18 May 2020 12:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion:113 Resp: 287348
 Ion Ratio Lower Upper
 113 100
 111 102.3 80.6 121.0
 192 17.1 13.2 19.8

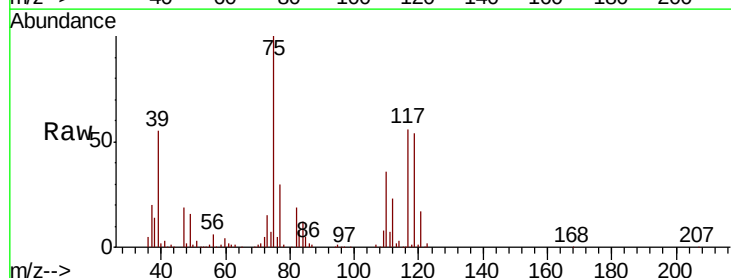


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

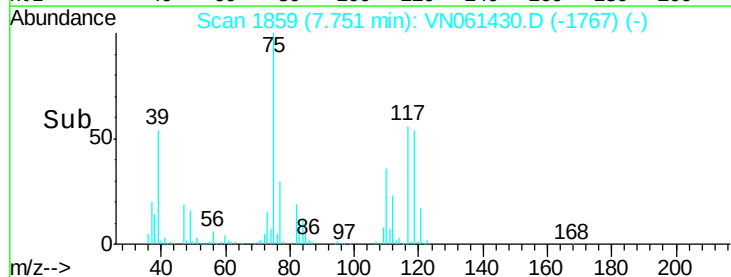
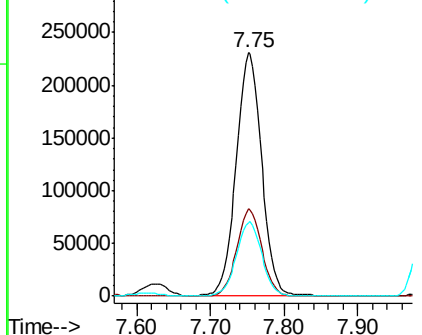


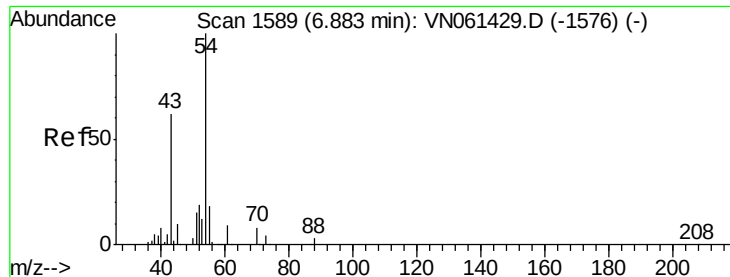
#36
 1,1-Dichloropropene
 Concen: 93.751 ug/l
 RT: 7.75 min Scan# 1859
 Delta R.T. -0.00 min
 Lab File: VN061430.D
 Acq: 18 May 2020 12:23

Tgt Ion: 75 Resp: 555887
 Ion Ratio Lower Upper
 75 100
 110 35.3 17.3 51.9
 77 30.6 24.9 37.3



Abundance Ion 74.90 (74.60 to 75.60): VNO
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VNO

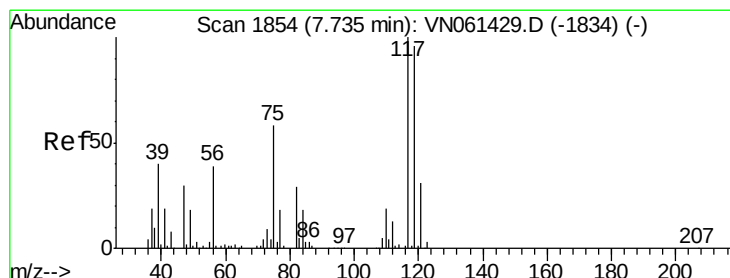
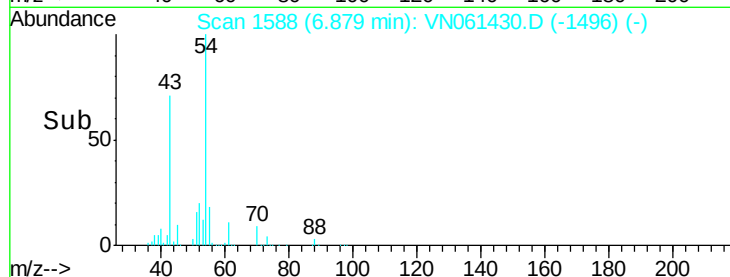
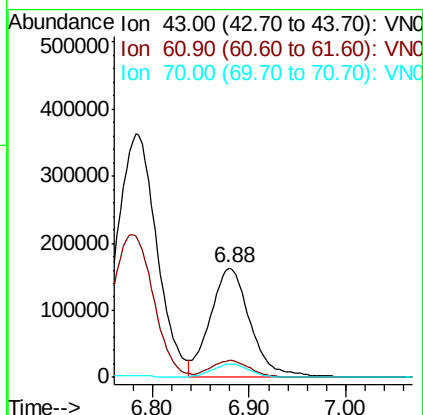
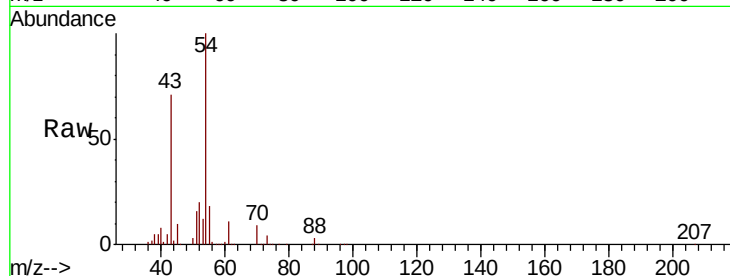




#37
Ethyl Acetate
Concen: 93.166 ug/l
RT: 6.88 min Scan# 1588
Delta R.T. -0.00 min
Lab File: VN061430.D
Acq: 18 May 2020 12:23

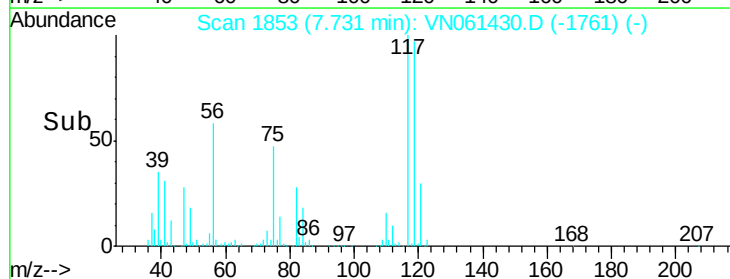
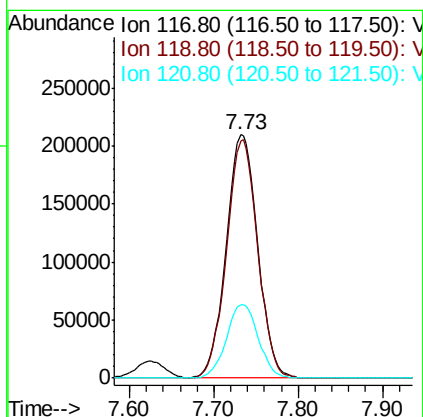
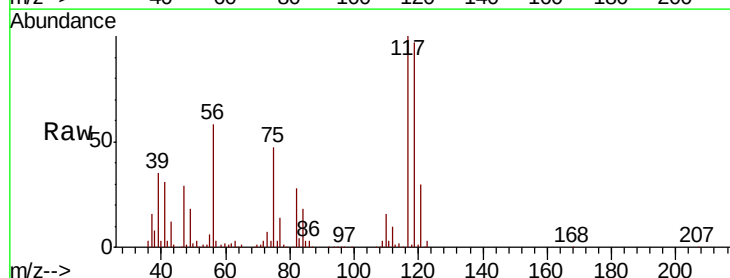
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

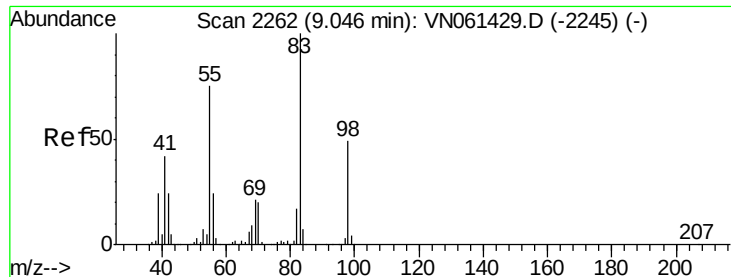
Tot Ion: 43 Resp: 460515
Ion Ratio Lower Upper
43 100
61 14.7 11.7 17.5
70 11.7 9.2 13.8



#38
Carbon Tetrachloride
Concen: 106.591 ug/l
RT: 7.73 min Scan# 1853
Delta R.T. -0.00 min
Lab File: VN061430.D
Acq: 18 May 2020 12:23

Tgt Ion: 117 Resp: 541818
Ion Ratio Lower Upper
117 100
119 97.2 77.0 115.6
121 30.1 24.7 37.1

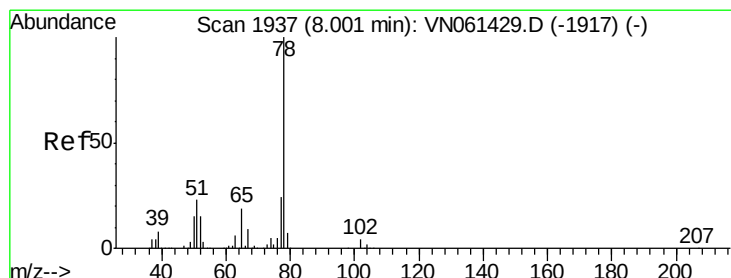
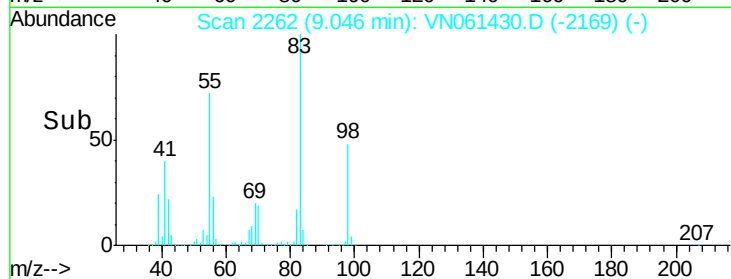
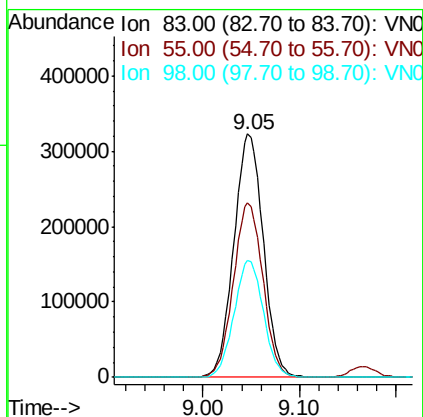
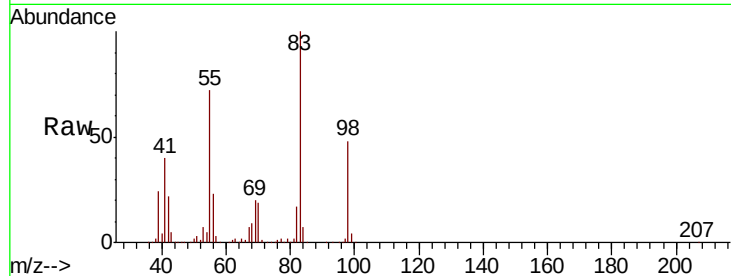




#39
Methylvlcyclohexane
Concen: 96.897 ug/l
RT: 9.05 min Scan# 2262
Delta R.T. 0.00 min
Lab File: VN061430.D
Acq: 18 May 2020 12:23

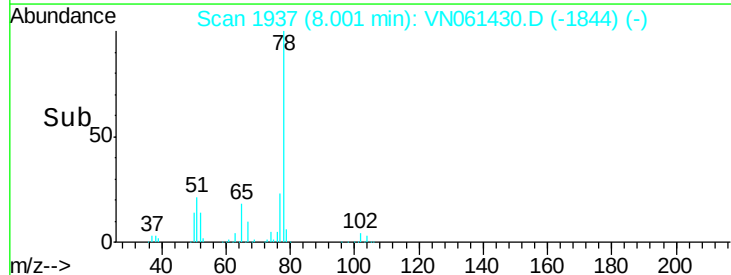
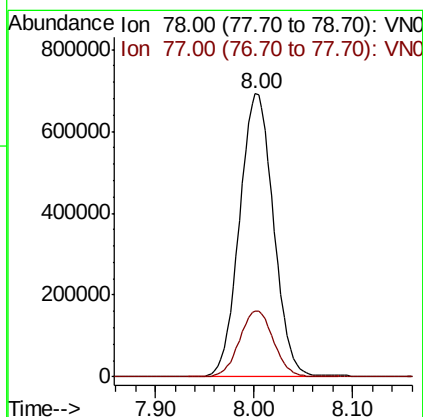
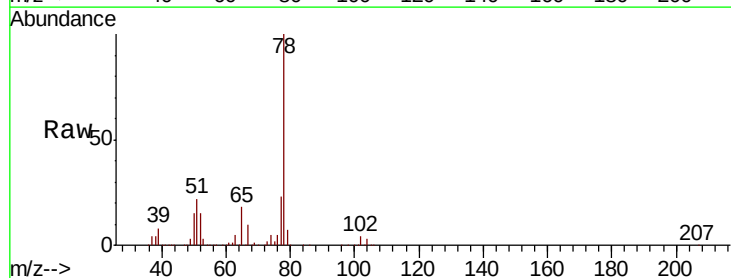
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

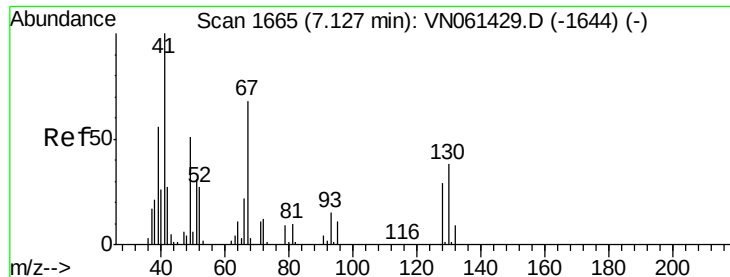
Tot Ion: 83 Resp: 683785
Ion Ratio Lower Upper
83 100
55 71.8 59.7 89.5
98 48.0 38.9 58.3



#40
Benzene
Concen: 94.660 ug/l
RT: 8.00 min Scan# 1937
Delta R.T. 0.00 min
Lab File: VN061430.D
Acq: 18 May 2020 12:23

Tgt Ion: 78 Resp: 1651961
Ion Ratio Lower Upper
78 100
77 23.4 19.1 28.7

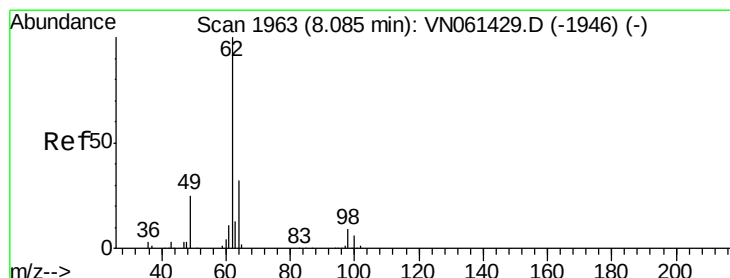
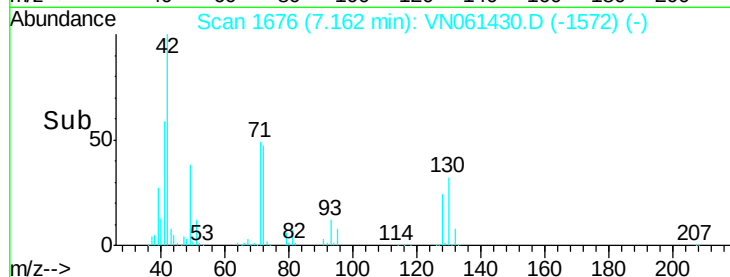
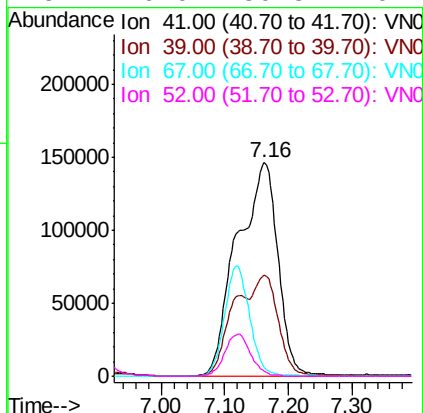
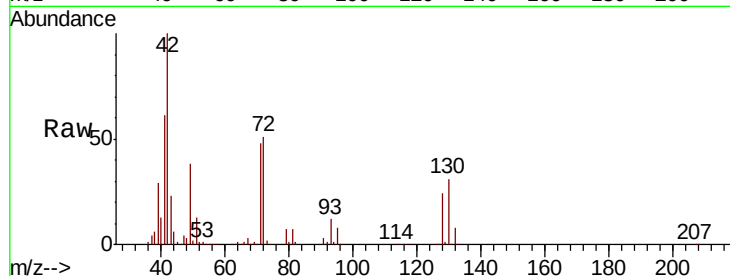




#41
Methacrylonitrile
Concen: 282.143 ug/l
RT: 7.16 min Scan# 1676
Delta R.T. 0.04 min
Lab File: VN061430.D
Acq: 18 May 2020 12:23

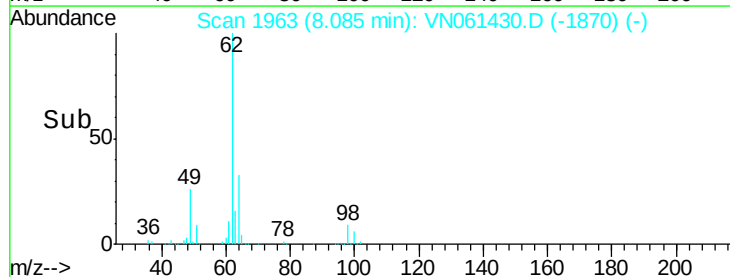
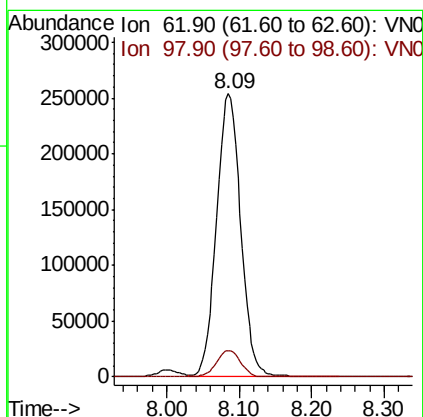
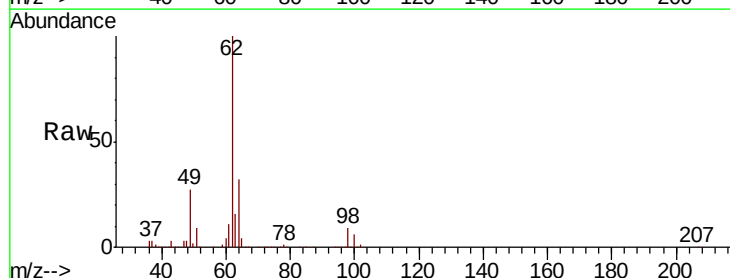
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

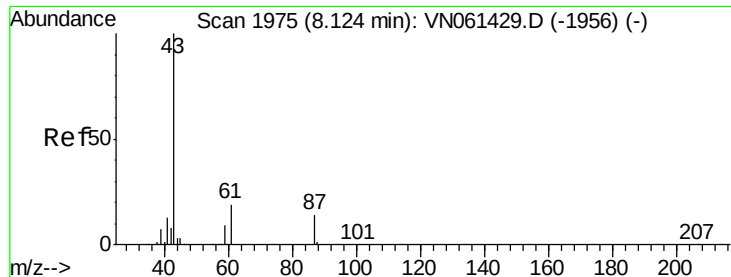
Tot Ion	Ratio	Lower	Upper
41	100		
39	0.0	48.3	72.5#
67	0.0	74.2	111.4#
52	0.0	30.8	46.2#



#42
1,2-Dichloroethane
Concen: 93.615 ug/l
RT: 8.09 min Scan# 1963
Delta R.T. 0.00 min
Lab File: VN061430.D
Acq: 18 May 2020 12:23

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.3	0.0	18.4





#43

Isopropyl Acetate

Concen: 87.994 ug/l

RT: 8.13 min Scan# 1976

Delta R.T. 0.00 min

Lab File: VN061430.D

Acq: 18 May 2020 12:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

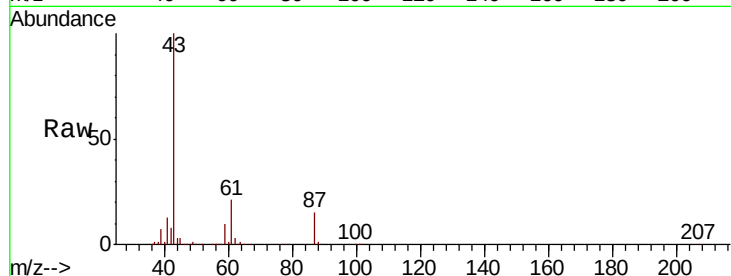
Tot Ion: 43 Resp: 836310

Ion Ratio Lower Upper

43 100

61 28.2 23.0 34.4

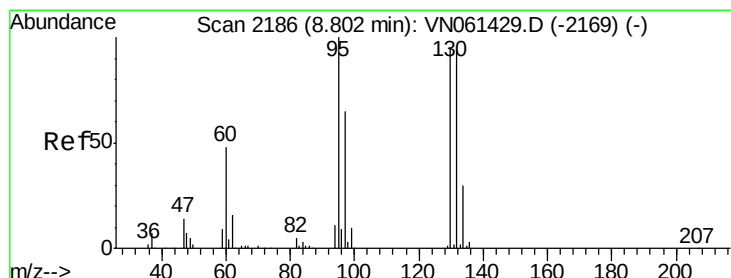
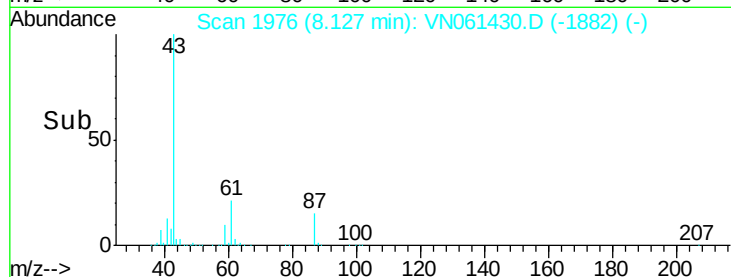
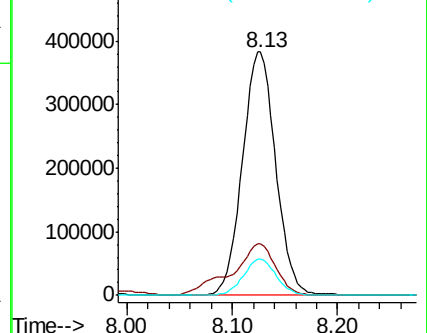
87 14.8 11.6 17.4



Abundance Ion 43.00 (42.70 to 43.70): VN061429.D (-1956) (-)

Ion 61.00 (60.70 to 61.70): VN061429.D (-1956) (-)

Ion 87.00 (86.70 to 87.70): VN061429.D (-1956) (-)



#44

Trichloroethene

Concen: 98.640 ug/l

RT: 8.80 min Scan# 2186

Delta R.T. -0.00 min

Lab File: VN061430.D

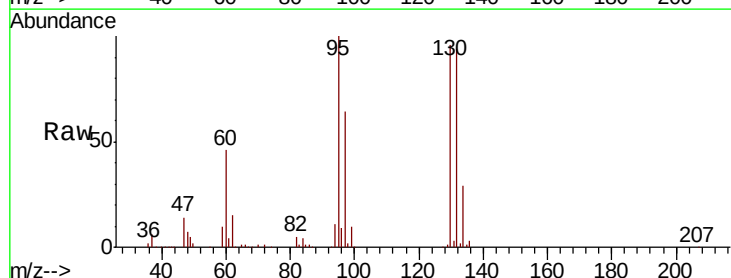
Acq: 18 May 2020 12:23

Tgt Ion:130 Resp: 444810

Ion Ratio Lower Upper

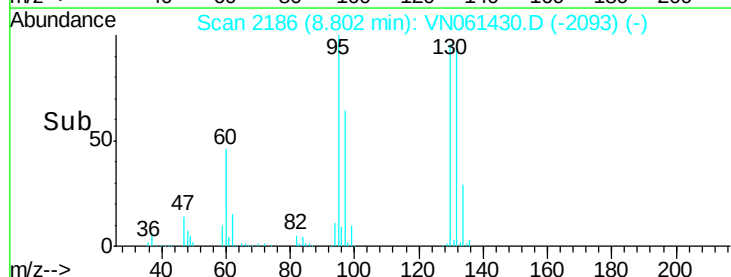
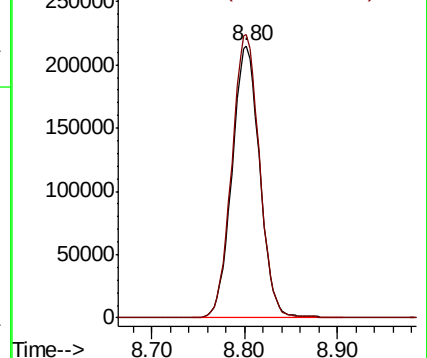
130 100

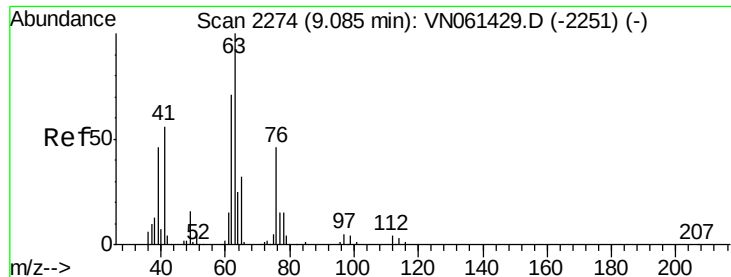
95 104.1 0.0 209.8



Abundance Ion 129.80 (129.50 to 130.50): VN061429.D (-2169) (-)

Ion 94.90 (94.60 to 95.60): VN061429.D (-2169) (-)





#45

1,2-Dichloropropane

Concen: 93.218 ug/l

RT: 9.08 min Scan# 2274

Delta R.T. 0.00 min

Lab File: VN061430.D

Acq: 18 May 2020 12:23

Instrument :

MSVOA_N

ClientSampleId :

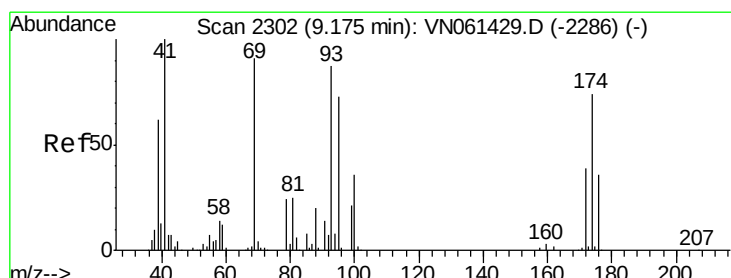
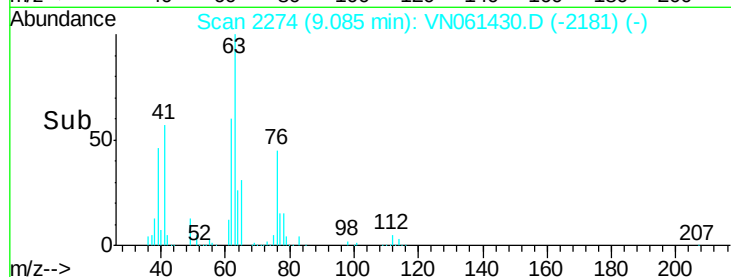
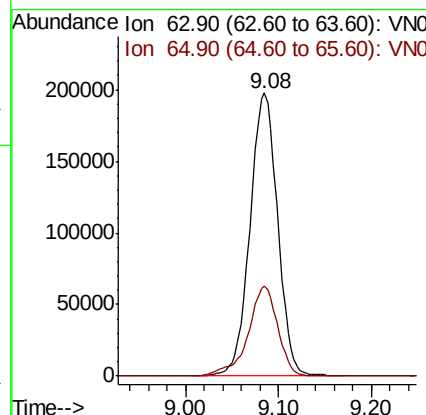
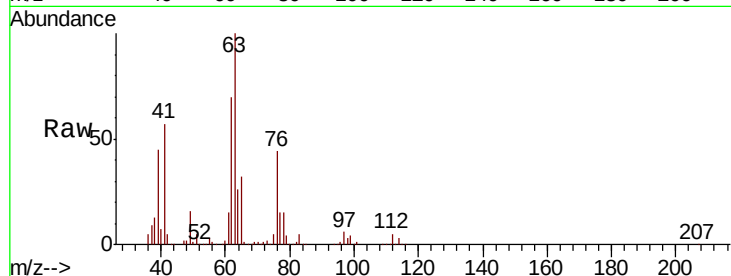
VSTDIC100

Tot Ion: 63 Resp: 409795

Ion Ratio Lower Upper

63 100

65 31.6 25.2 37.8



#46

Dibromomethane

Concen: 97.828 ug/l

RT: 9.18 min Scan# 2302

Delta R.T. 0.00 min

Lab File: VN061430.D

Acq: 18 May 2020 12:23

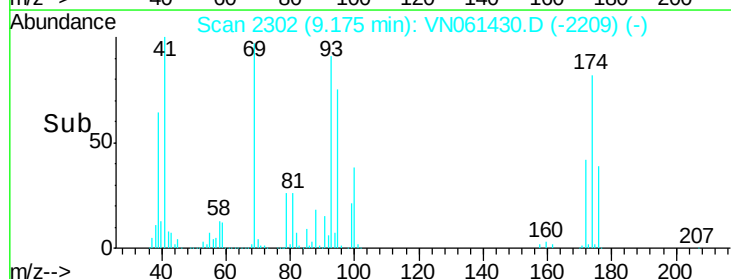
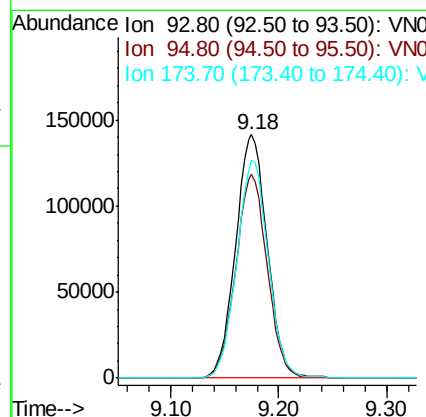
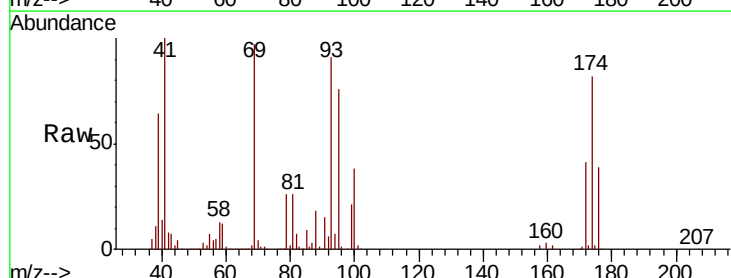
Tgt Ion: 93 Resp: 289195

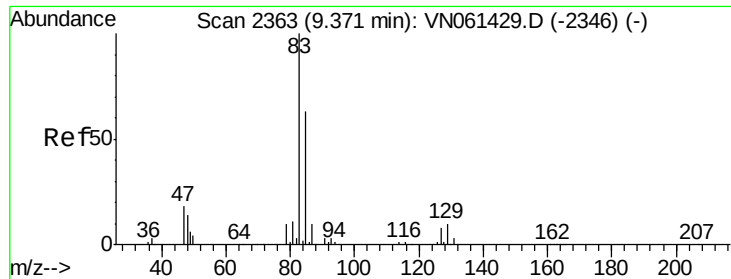
Ion Ratio Lower Upper

93 100

95 83.0 65.6 98.4

174 88.9 68.0 102.0





#47

Bromodichloromethane

Concen: 96.181 ug/l

RT: 9.37 min Scan# 2363

Delta R.T. 0.00 min

Lab File: VN061430.D

Acq: 18 May 2020 12:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

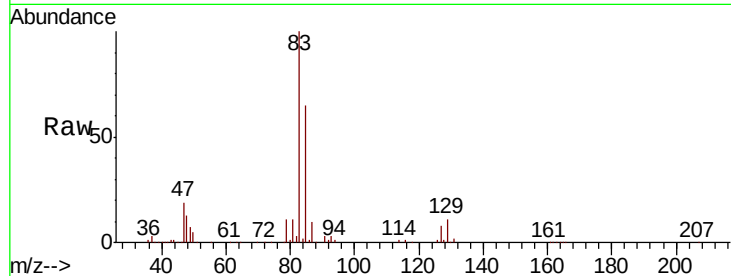
Tot Ion: 83 Resp: 617268

Ion Ratio Lower Upper

83 100

85 65.3 50.6 76.0

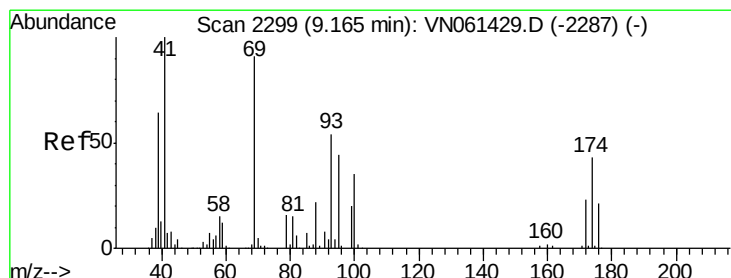
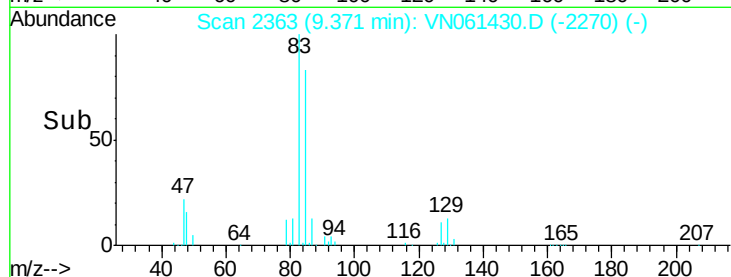
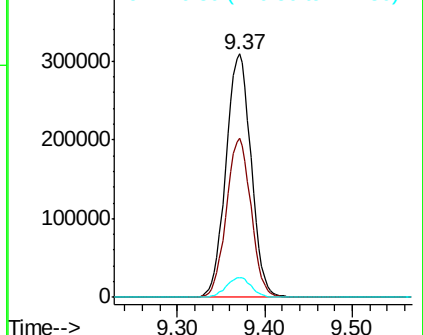
127 8.3 6.1 9.1



Abundance Ion 82.90 (82.60 to 83.60): VN061430.D (-2270) (-)

Ion 84.90 (84.60 to 85.60): VN061430.D (-2270) (-)

Ion 126.80 (126.50 to 127.50): VN061430.D (-2270) (-)



#48

Methyl methacrylate

Concen: 87.840 ug/l

RT: 9.17 min Scan# 2299

Delta R.T. 0.00 min

Lab File: VN061430.D

Acq: 18 May 2020 12:23

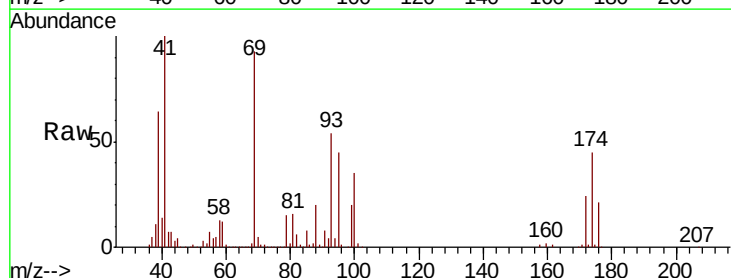
Tgt Ion: 41 Resp: 377788

Ion Ratio Lower Upper

41 100

69 95.9 75.3 112.9

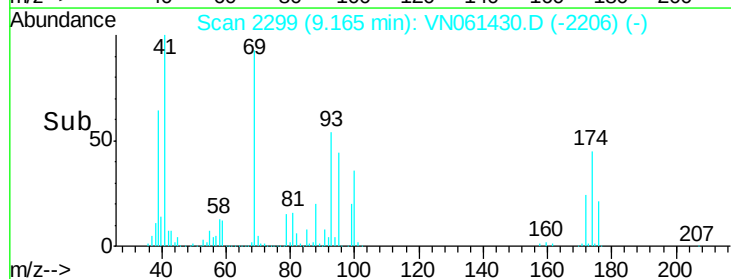
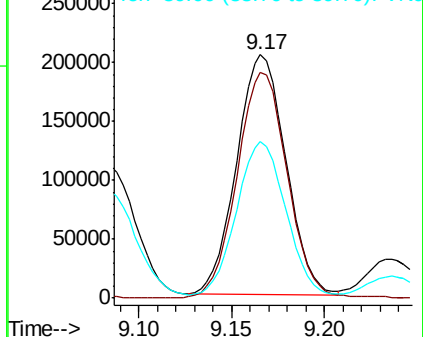
39 66.1 52.6 79.0

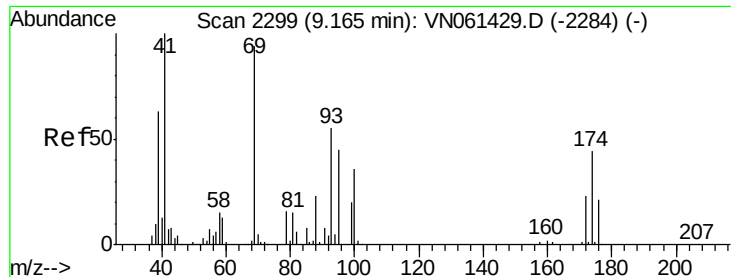


Abundance Ion 41.00 (40.70 to 41.70): VN061430.D (-2206) (-)

Ion 69.00 (68.70 to 69.70): VN061430.D (-2206) (-)

Ion 39.00 (38.70 to 39.70): VN061430.D (-2206) (-)

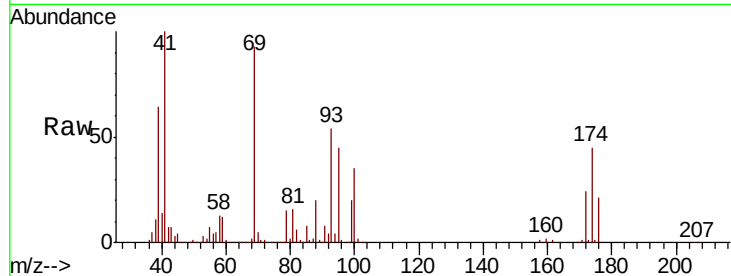




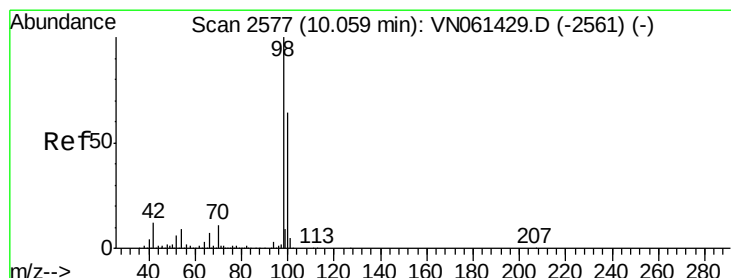
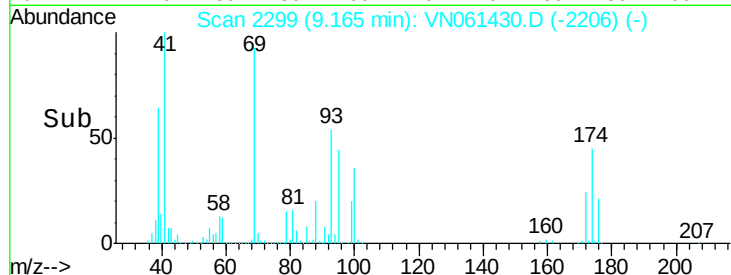
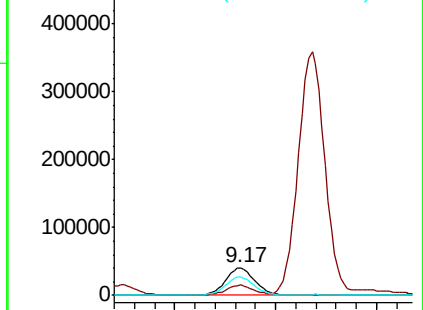
#49
1,4-Dioxane
Concen: 2971.026 ug/l
RT: 9.17 min Scan# 2299
Delta R.T. 0.00 min
Lab File: VN061430.D
Acq: 18 May 2020 12:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion: 88 Resp: 82881
Ion Ratio Lower Upper
88 100
43 34.4 26.3 39.5
58 66.9 54.1 81.1

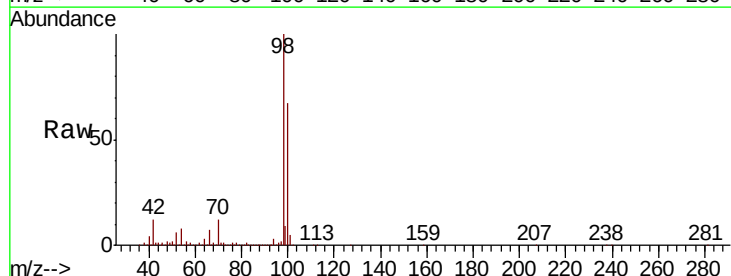


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

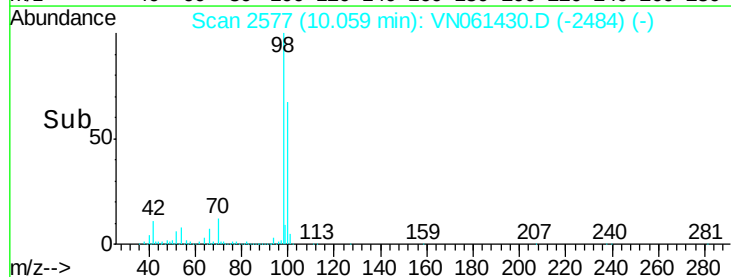
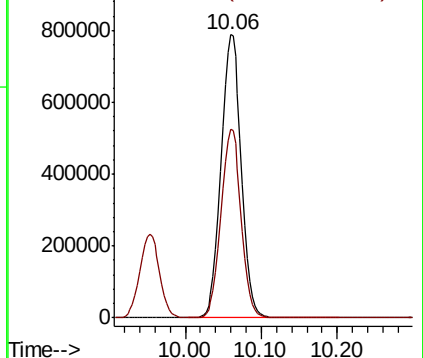


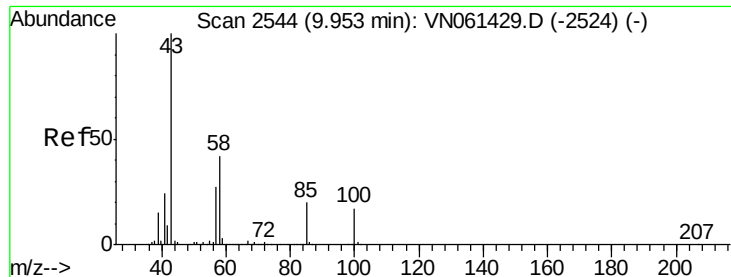
#50
Toluene-d8
Concen: 98.671 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. -0.00 min
Lab File: VN061430.D
Acq: 18 May 2020 12:23

Tgt Ion: 98 Resp: 1455264
Ion Ratio Lower Upper
98 100
100 66.3 51.8 77.8



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

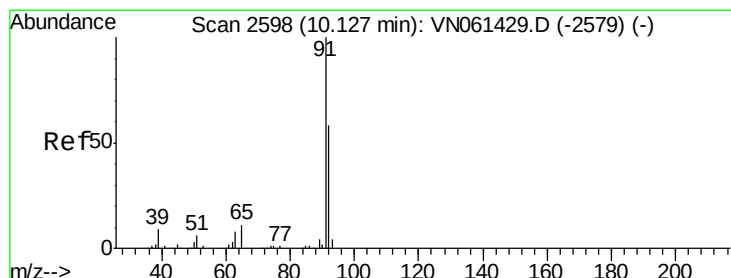
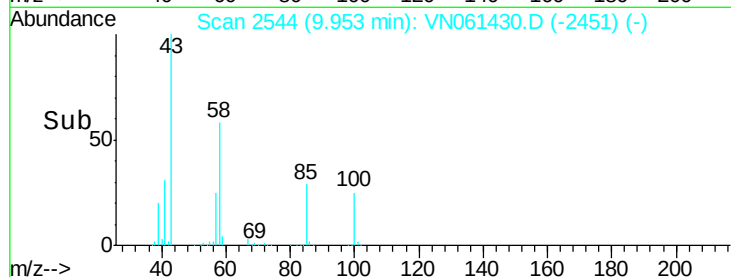
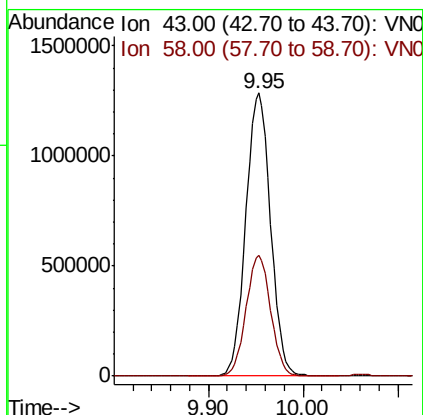
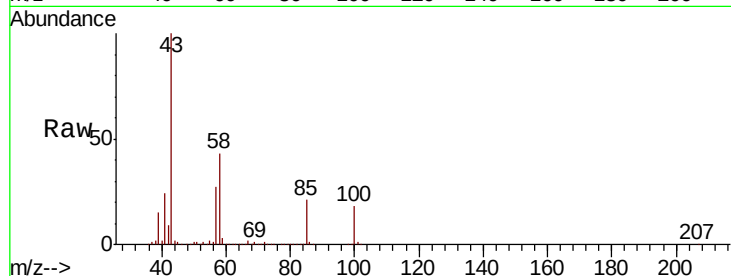




#51
 4-Methyl-2-Pentanone
 Concen: 456.013 ug/l
 RT: 9.95 min Scan# 2544
 Delta R.T. 0.00 min
 Lab File: VN061430.D
 Acq: 18 May 2020 12:23

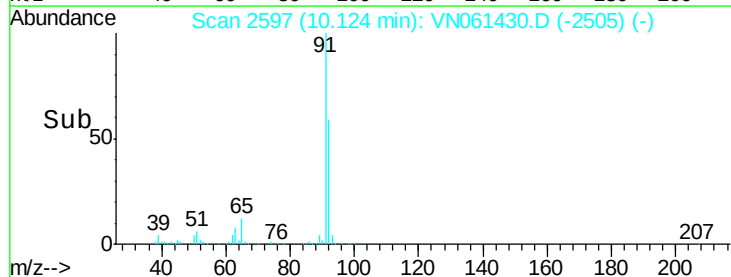
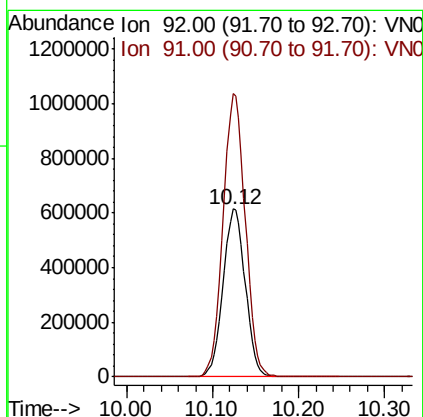
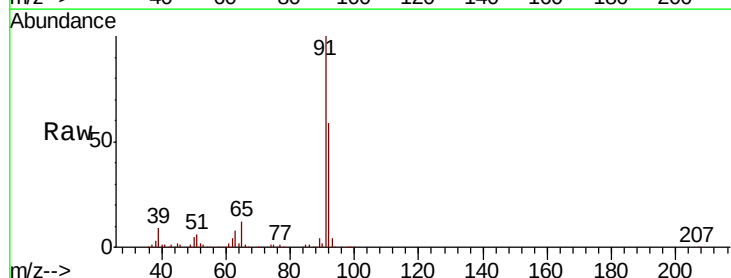
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

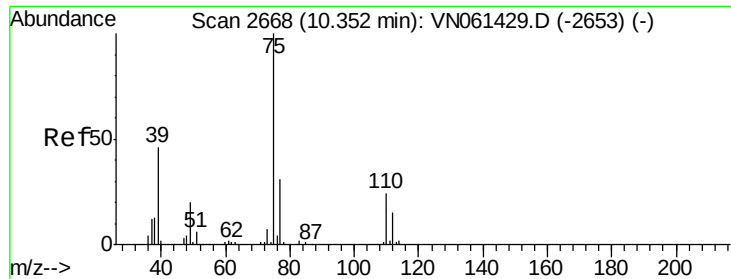
Tot Ion: 43 Resp: 2333805
 Ion Ratio Lower Upper
 43 100
 58 42.5 33.4 50.2



#52
 Toluene
 Concen: 99.440 ug/l
 RT: 10.12 min Scan# 2597
 Delta R.T. -0.00 min
 Lab File: VN061430.D
 Acq: 18 May 2020 12:23

Tgt Ion: 92 Resp: 1101549
 Ion Ratio Lower Upper
 92 100
 91 169.5 138.0 207.0





#53

t-1,3-Dichloropropene

Concen: 98.687 ug/l

RT: 10.35 min Scan# 2668

Delta R.T. 0.00 min

Lab File: VN061430.D

Acq: 18 May 2020 12:23

Instrument :

MSVOA_N

ClientSampleId :

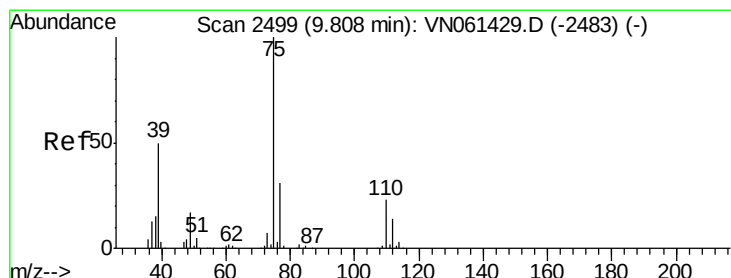
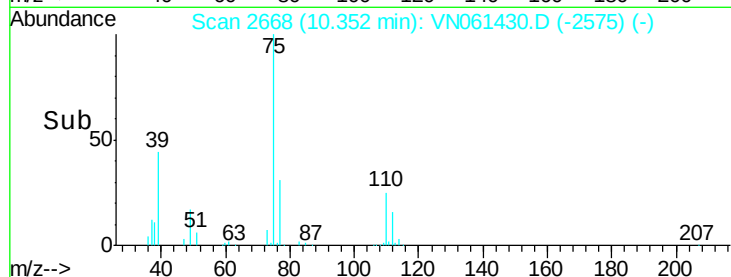
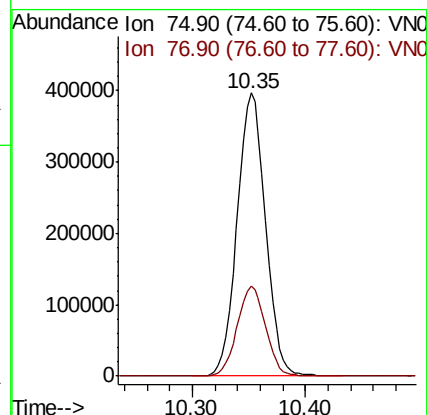
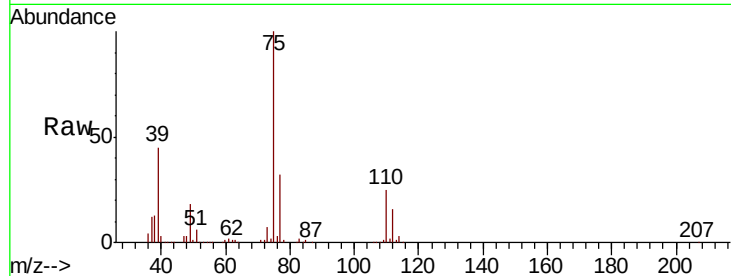
VSTDIC100

Tot Ion: 75 Resp: 692613

Ion Ratio Lower Upper

75 100

77 31.6 24.8 37.2



#54

cis-1,3-Dichloropropene

Concen: 98.227 ug/l

RT: 9.81 min Scan# 2499

Delta R.T. 0.00 min

Lab File: VN061430.D

Acq: 18 May 2020 12:23

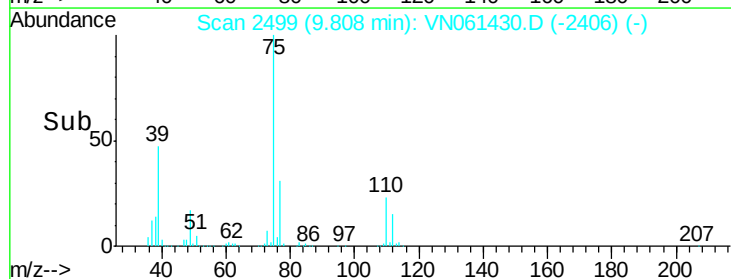
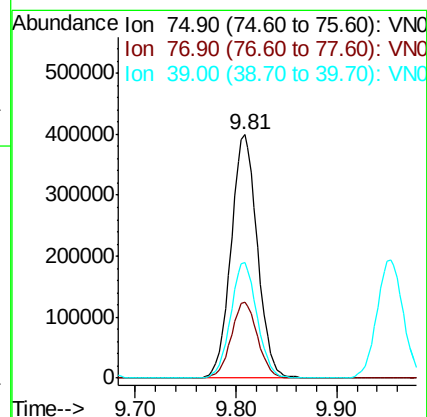
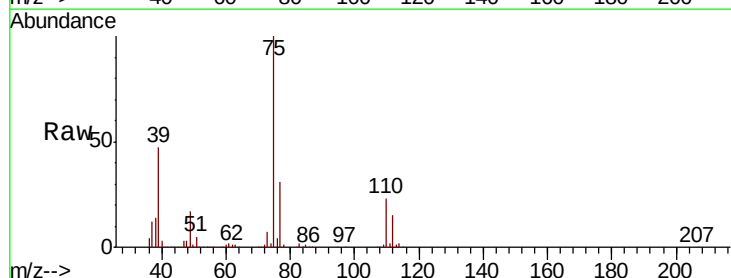
Tgt Ion: 75 Resp: 727125

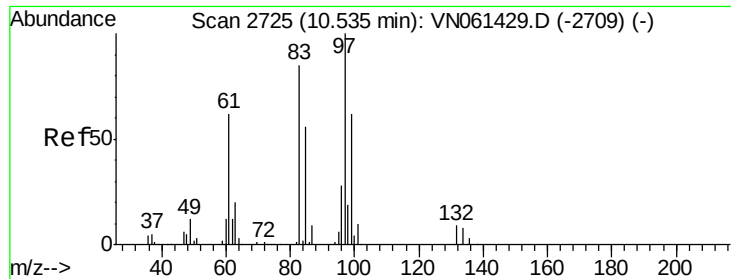
Ion Ratio Lower Upper

75 100

77 31.2 24.8 37.2

39 47.3 39.8 59.6

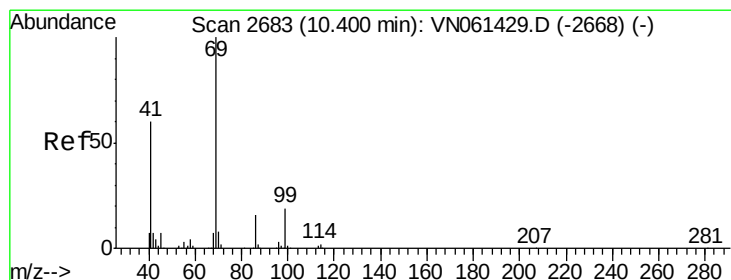
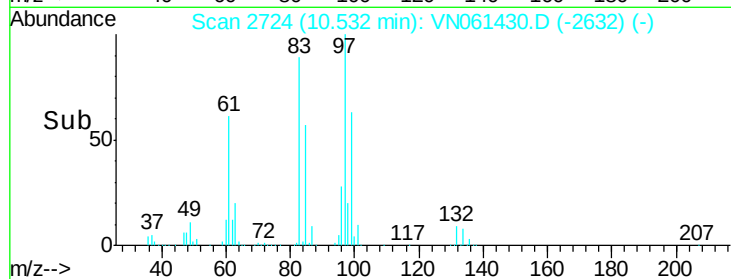
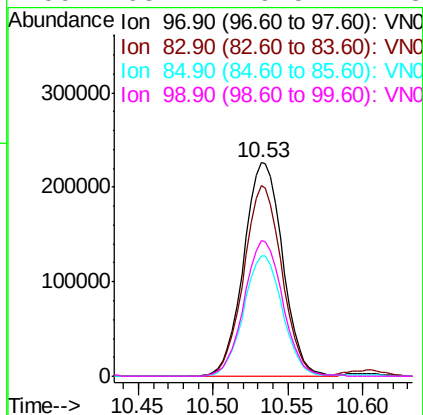
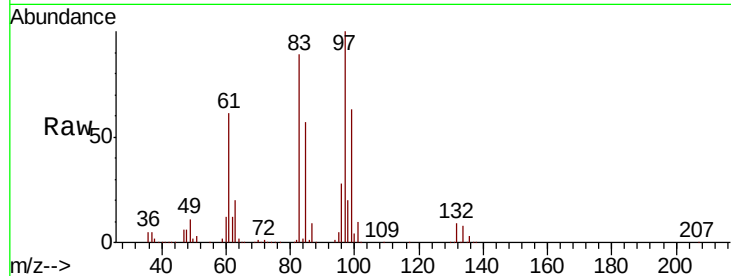




#55
 1,1,2-Trichloroethane
 Concen: 99.637 ug/l
 RT: 10.53 min Scan# 2724
 Delta R.T. -0.00 min
 Lab File: VN061430.D
 Acq: 18 May 2020 12:23

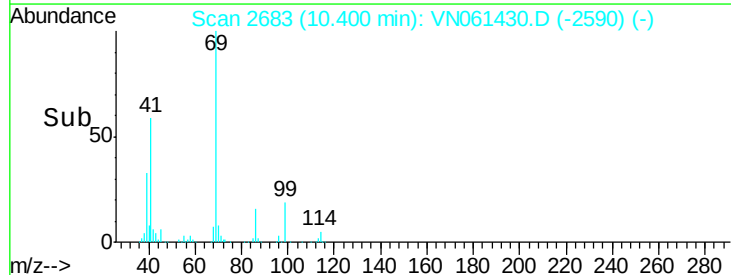
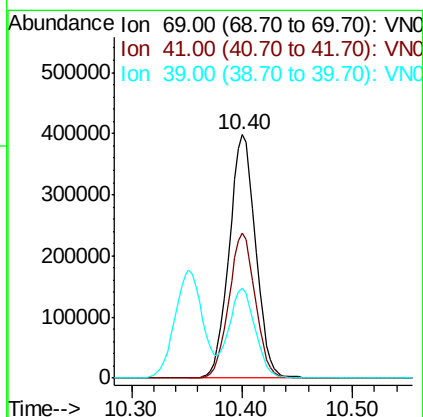
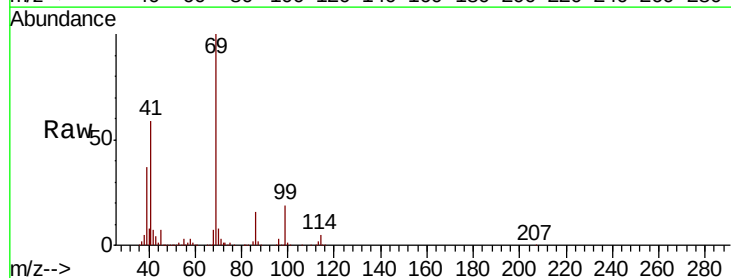
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

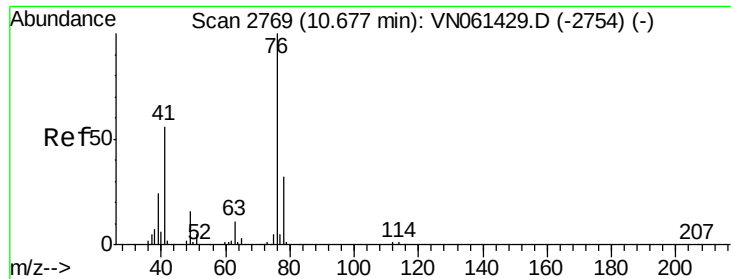
Tot Ion: 97 Resp: 410652
 Ion Ratio Lower Upper
 97 100
 83 89.0 68.2 102.4
 85 56.6 44.6 67.0
 99 63.4 49.5 74.3



#56
 Ethyl methacrylate
 Concen: 98.303 ug/l
 RT: 10.40 min Scan# 2683
 Delta R.T. 0.00 min
 Lab File: VN061430.D
 Acq: 18 May 2020 12:23

Tgt Ion: 69 Resp: 662450
 Ion Ratio Lower Upper
 69 100
 41 59.0 48.3 72.5
 39 36.3 30.2 45.2

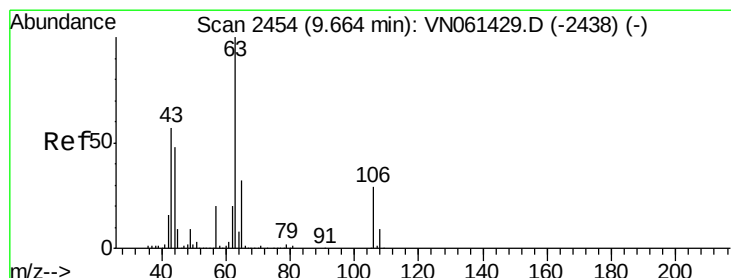
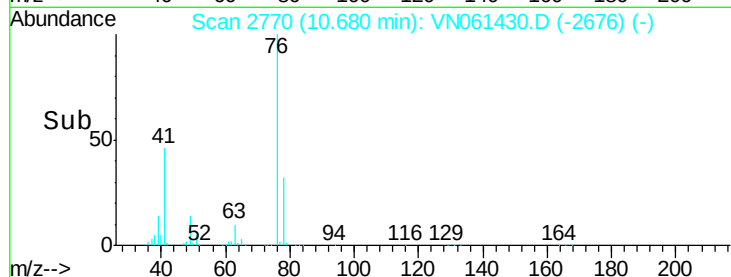
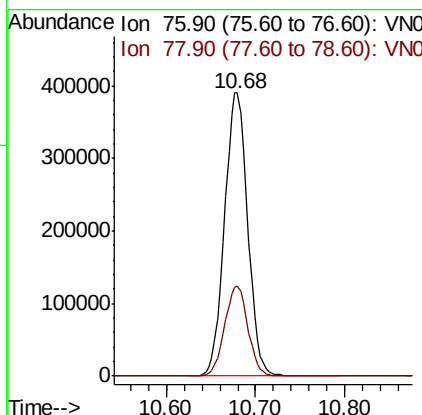
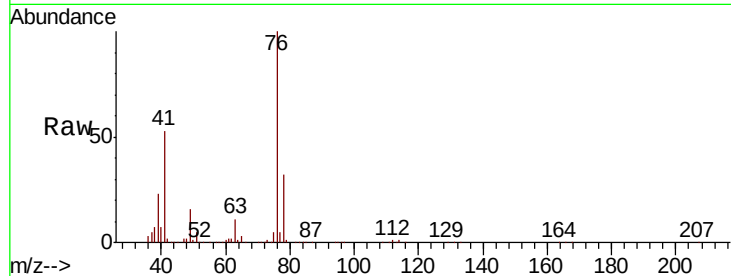




#57
 1,3-Dichloropropane
 Concen: 97.547 ug/l
 RT: 10.68 min Scan# 2770
 Delta R.T. 0.00 min
 Lab File: VN061430.D
 Acq: 18 May 2020 12:23

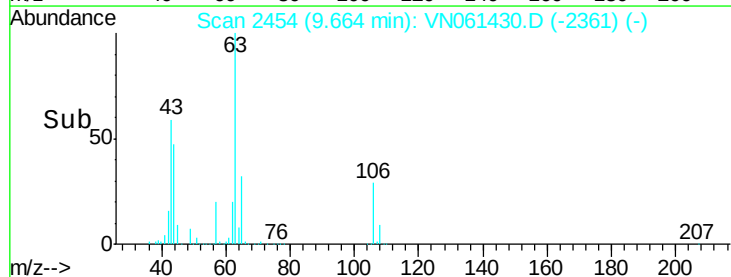
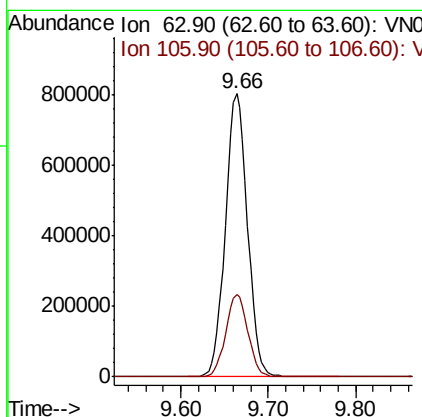
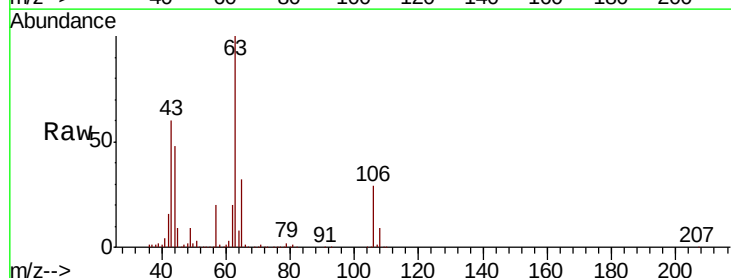
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

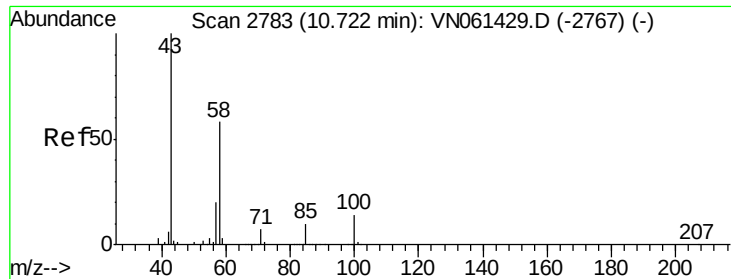
Tot Ion: 76 Resp: 700472
 Ion Ratio Lower Upper
 76 100
 78 32.0 26.0 39.0



#58
 2-Chloroethyl Vinyl ether
 Concen: 493.303 ug/l
 RT: 9.66 min Scan# 2454
 Delta R.T. -0.00 min
 Lab File: VN061430.D
 Acq: 18 May 2020 12:23

Tgt Ion: 63 Resp: 1404104
 Ion Ratio Lower Upper
 63 100
 106 29.3 22.7 34.1

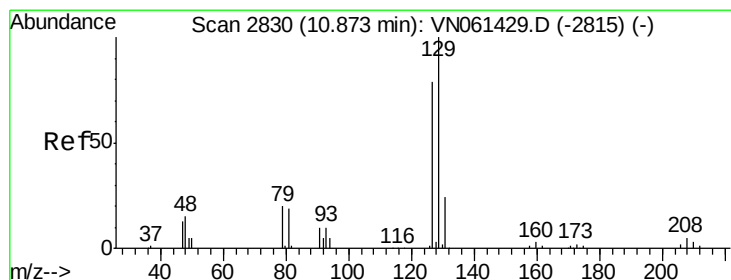
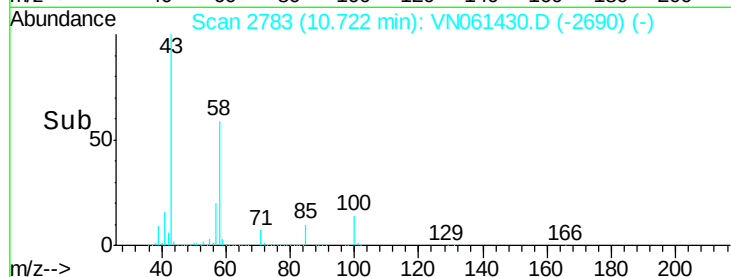
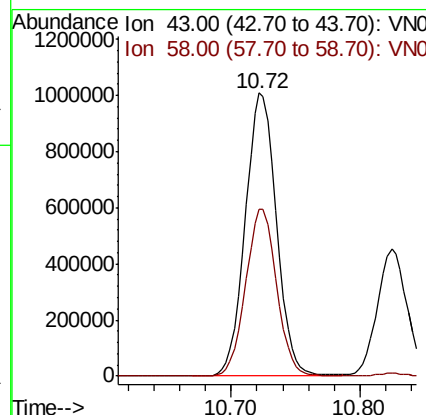
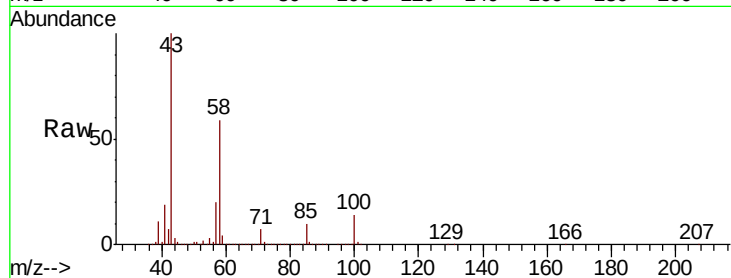




#59
2-Hexanone
Concen: 484.625 ug/l
RT: 10.72 min Scan# 2783
Delta R.T. 0.00 min
Lab File: VN061430.D
Acq: 18 May 2020 12:23

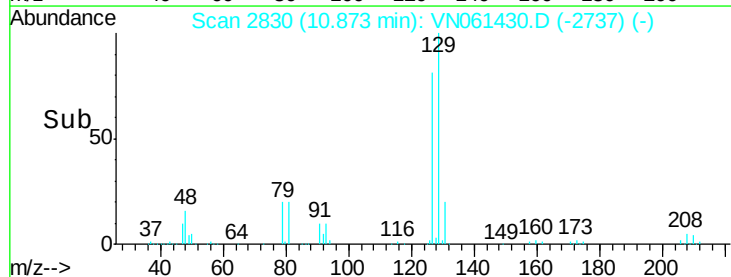
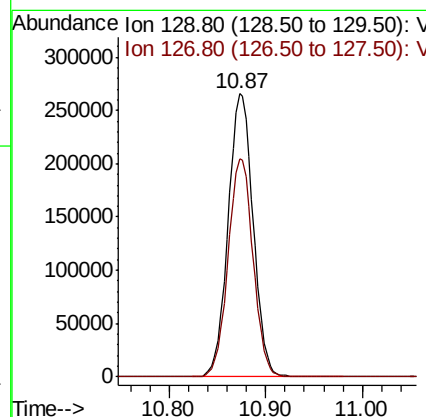
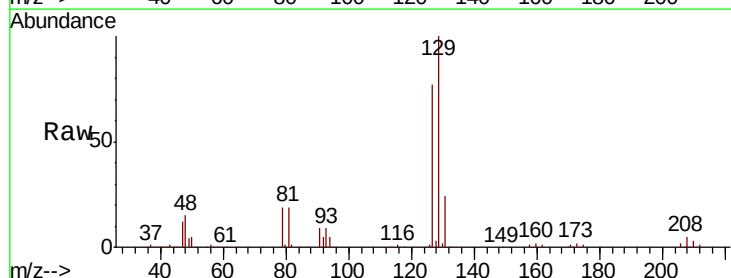
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

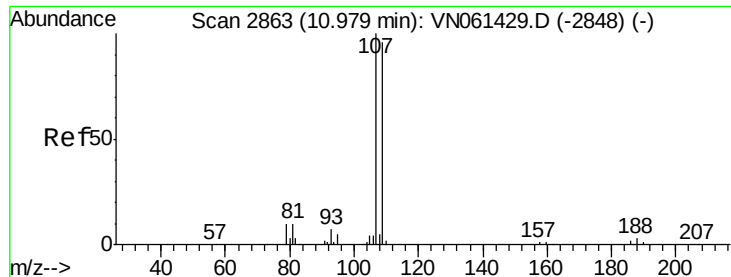
Tot Ion: 43 Resp: 1699042
Ion Ratio Lower Upper
43 100
58 58.6 29.2 87.6



#60
Dibromochloromethane
Concen: 104.039 ug/l
RT: 10.87 min Scan# 2830
Delta R.T. 0.00 min
Lab File: VN061430.D
Acq: 18 May 2020 12:23

Tgt Ion: 129 Resp: 476724
Ion Ratio Lower Upper
129 100
127 77.1 38.8 116.3





#61

1,2-Dibromoethane

Concen: 100.416 ug/l

RT: 10.98 min Scan# 2863

Delta R.T. 0.00 min

Lab File: VN061430.D

Acq: 18 May 2020 12:23

Instrument :

MSVOA_N

ClientSampleId :

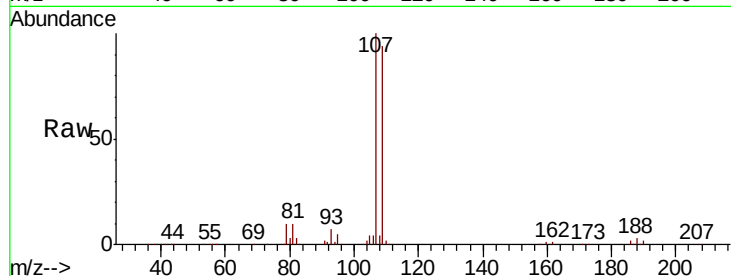
VSTDIC100

Tot Ion:107 Resp: 435312

Ion Ratio Lower Upper

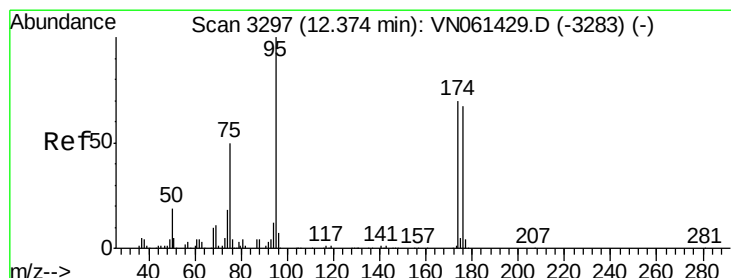
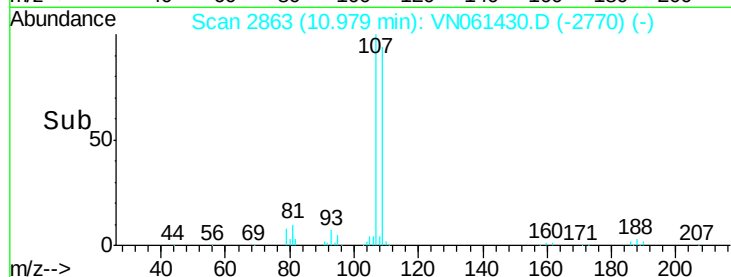
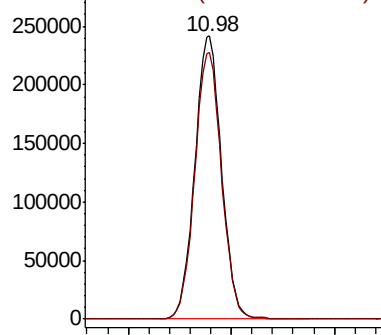
107 100

109 94.8 75.7 113.5



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 102.474 ug/l

RT: 12.37 min Scan# 3297

Delta R.T. 0.00 min

Lab File: VN061430.D

Acq: 18 May 2020 12:23

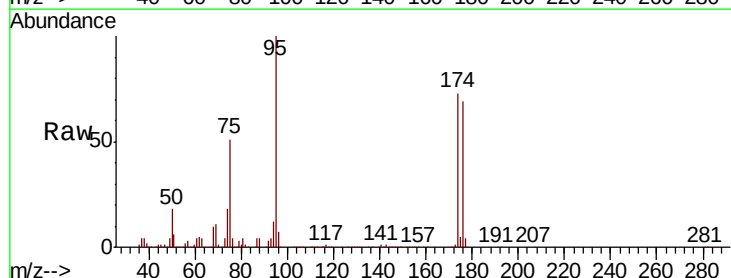
Tgt Ion: 95 Resp: 557729

Ion Ratio Lower Upper

95 100

174 72.7 0.0 141.2

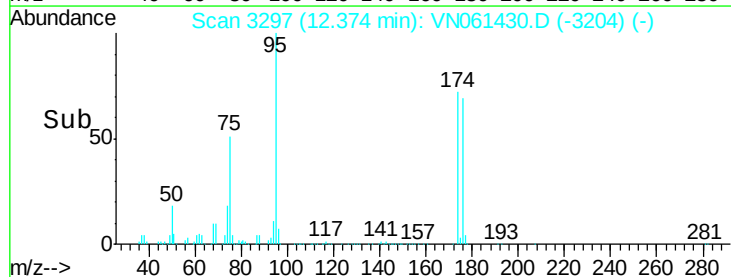
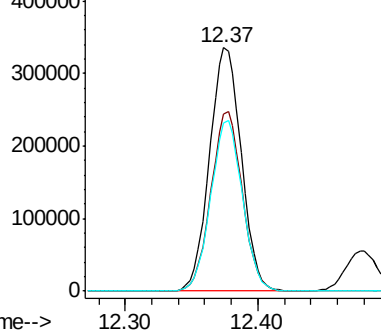
176 69.8 0.0 137.6

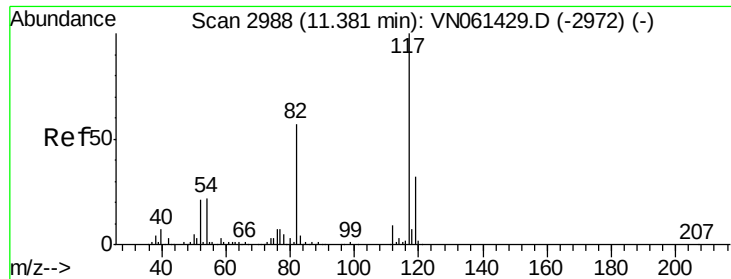


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

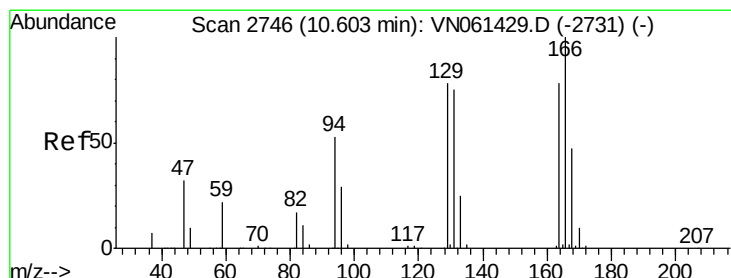
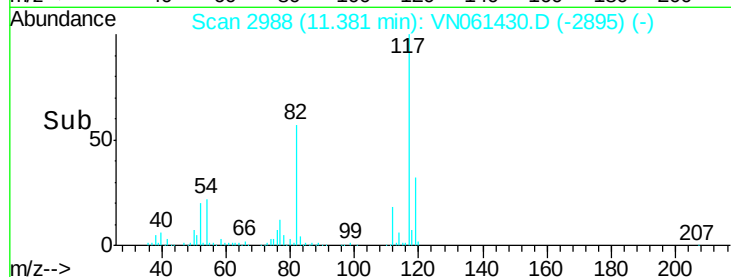
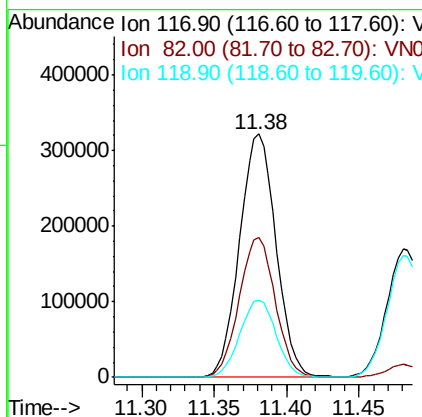
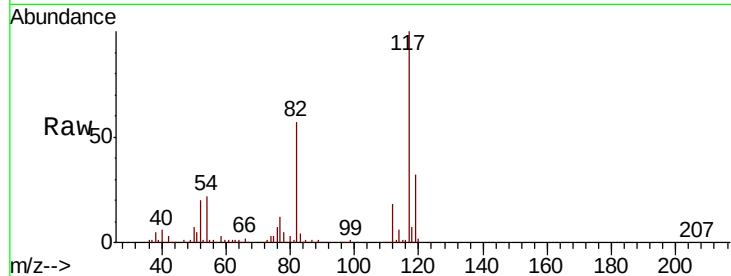




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. 0.00 min
Lab File: VN061430.D
Acq: 18 May 2020 12:23

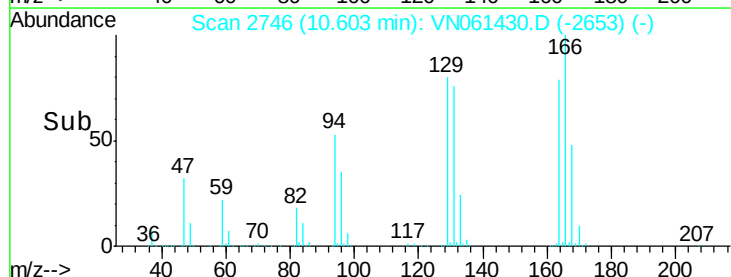
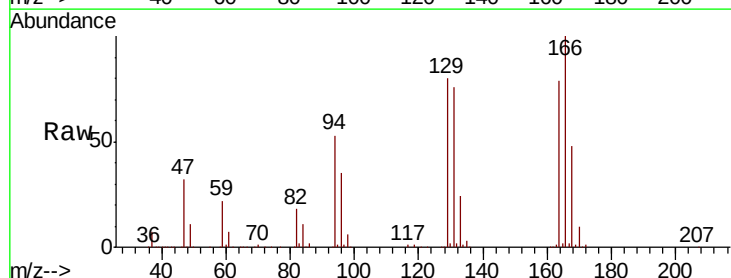
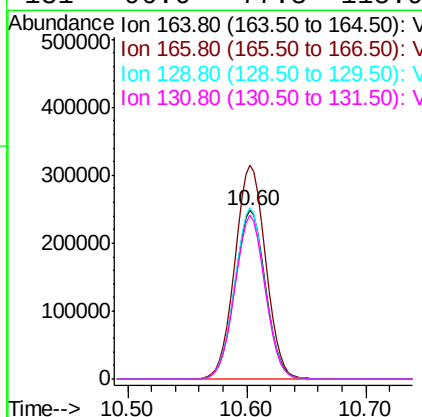
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

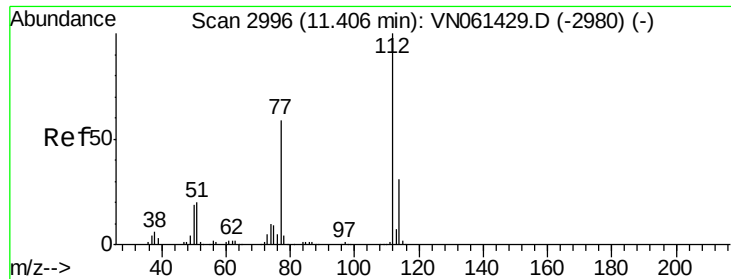
Tot Ion	Ratio	Lower	Upper
117	100		
82	57.3	45.2	67.8
119	32.0	25.3	37.9



#64
Tetrachloroethene
Concen: 100.703 ug/l
RT: 10.60 min Scan# 2746
Delta R.T. 0.00 min
Lab File: VN061430.D
Acq: 18 May 2020 12:23

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.6	103.2	154.8
129	101.5	81.0	121.4
131	96.6	77.3	115.9





#65

Chlorobenzene

Concen: 98.418 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN061430.D

Acq: 18 May 2020 12:23

Instrument :

MSVOA_N

ClientSampleId :

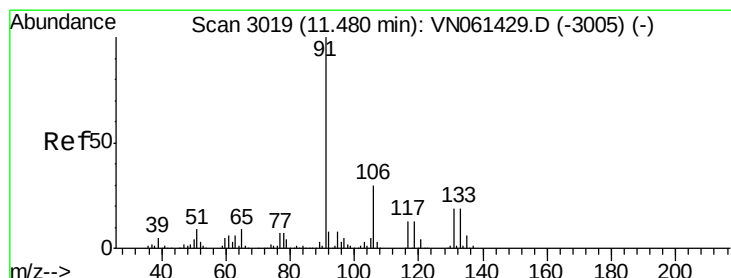
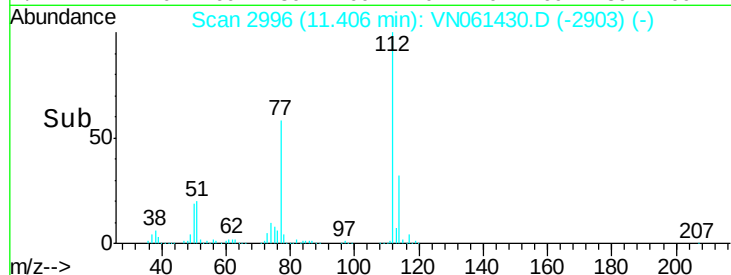
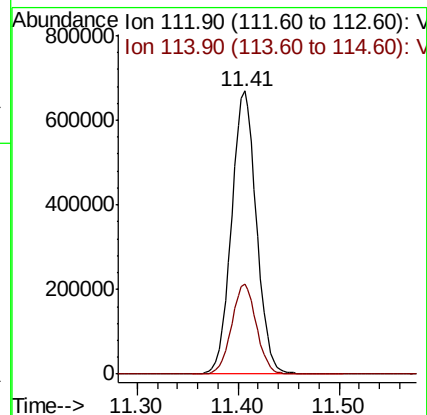
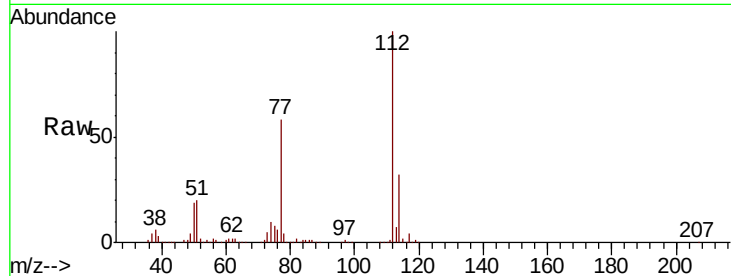
VSTDIC100

Tot Ion:112 Resp: 1150518

Ion Ratio Lower Upper

112 100

114 31.7 25.0 37.6



#66

1,1,1,2-Tetrachloroethane

Concen: 103.123 ug/l

RT: 11.48 min Scan# 3019

Delta R.T. -0.00 min

Lab File: VN061430.D

Acq: 18 May 2020 12:23

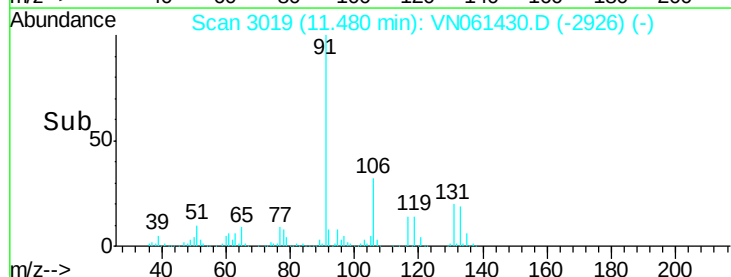
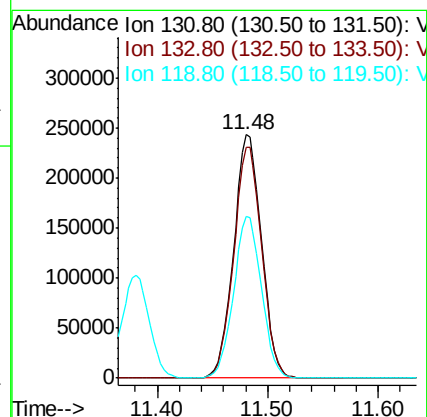
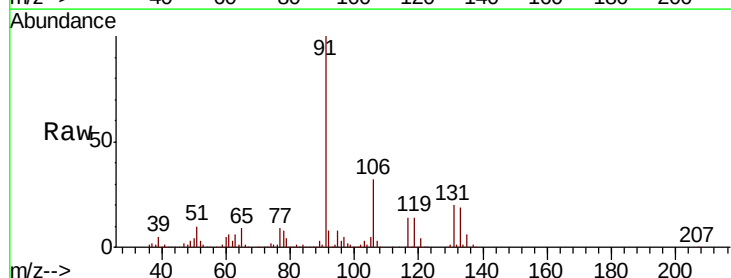
Tgt Ion:131 Resp: 425509

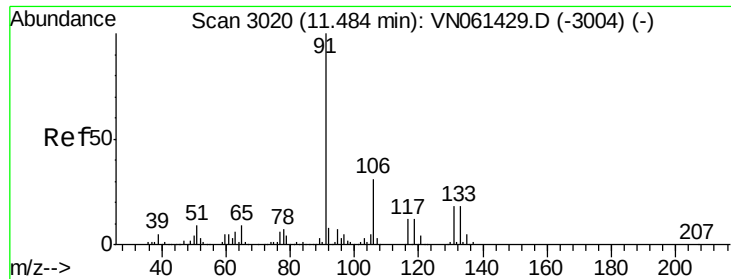
Ion Ratio Lower Upper

131 100

133 95.6 48.7 146.1

119 66.5 33.8 101.3

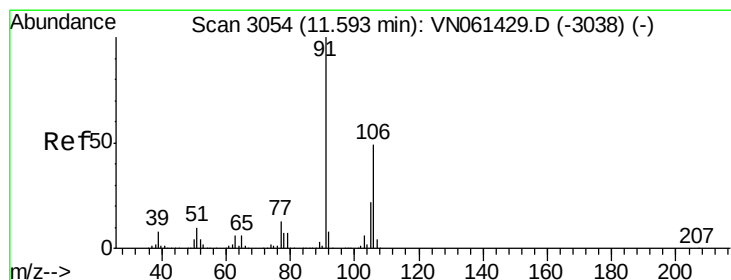
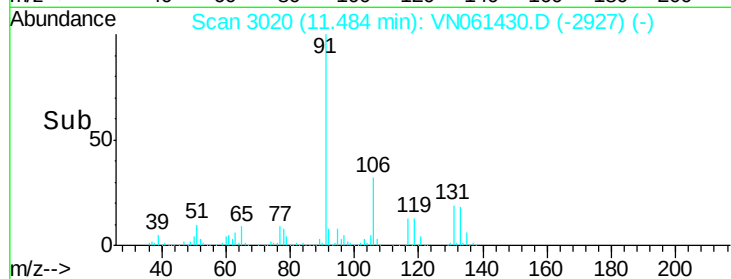
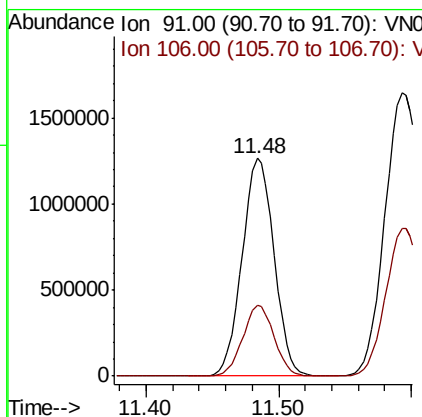
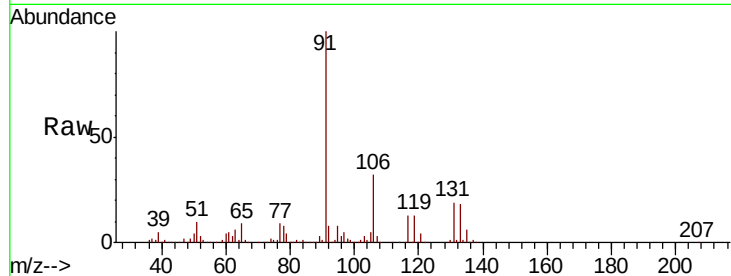




#67
Ethyl Benzene
Concen: 97.756 ug/l
RT: 11.48 min Scan# 3020
Delta R.T. 0.00 min
Lab File: VN061430.D
Acq: 18 May 2020 12:23

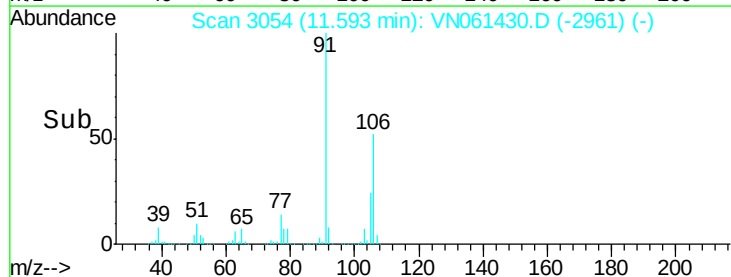
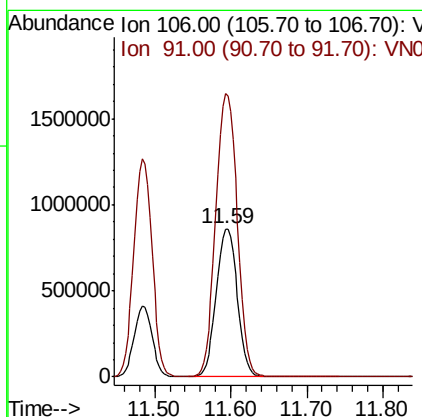
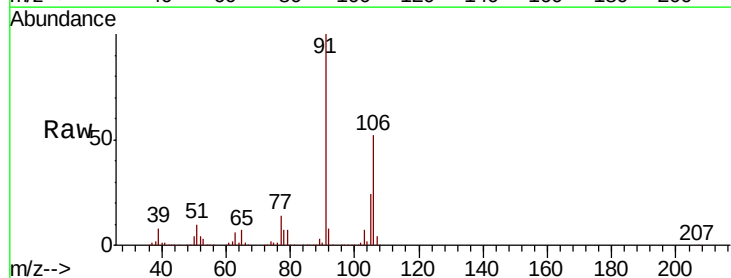
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

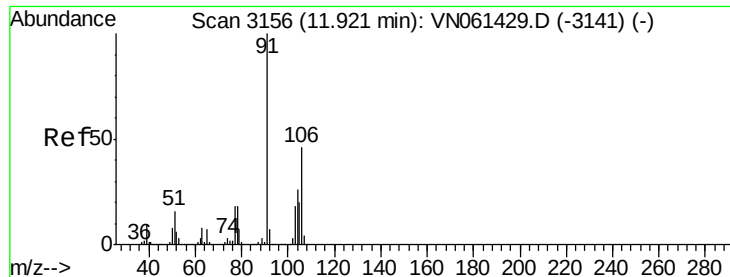
Tot Ion: 91 Resp: 2116943
Ion Ratio Lower Upper
91 100
106 32.3 24.6 36.8



#68
m/p-Xylenes
Concen: 203.113 ug/l
RT: 11.59 min Scan# 3054
Delta R.T. -0.00 min
Lab File: VN061430.D
Acq: 18 May 2020 12:23

Tgt Ion: 106 Resp: 1652396
Ion Ratio Lower Upper
106 100
91 196.0 163.0 244.6

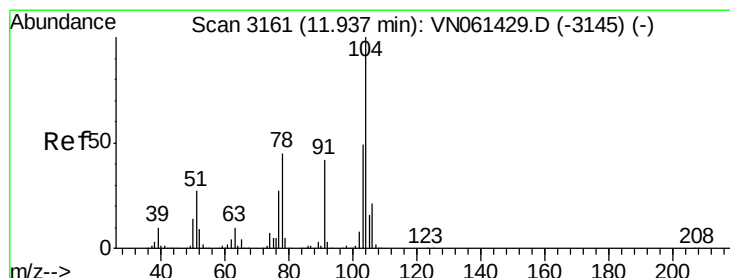
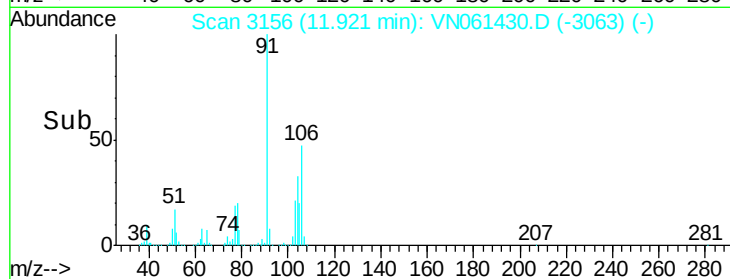
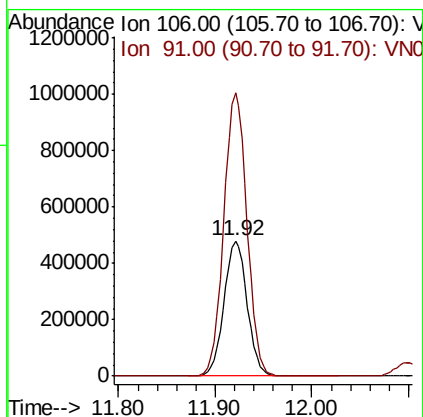
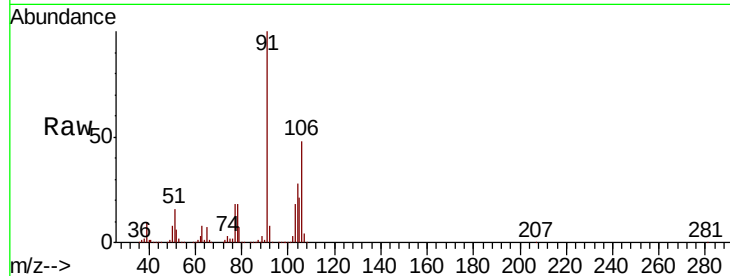




#69
o-Xylene
Concen: 100.711 ug/l
RT: 11.92 min Scan# 3156
Delta R.T. 0.00 min
Lab File: VN061430.D
Acq: 18 May 2020 12:23

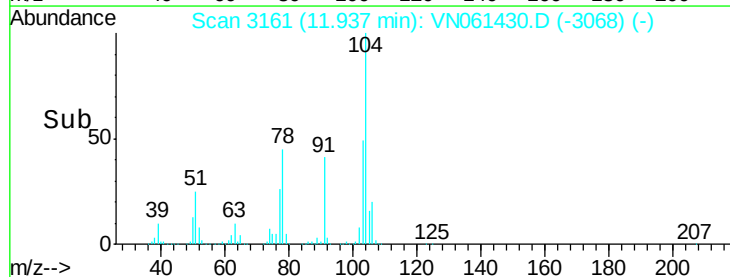
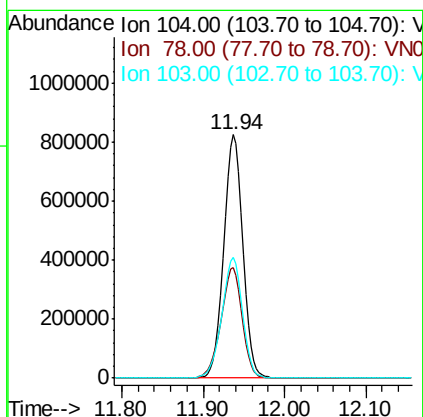
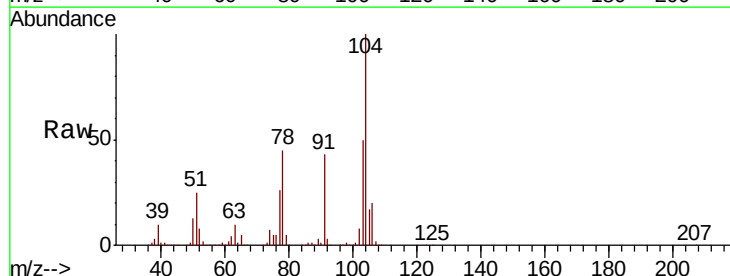
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

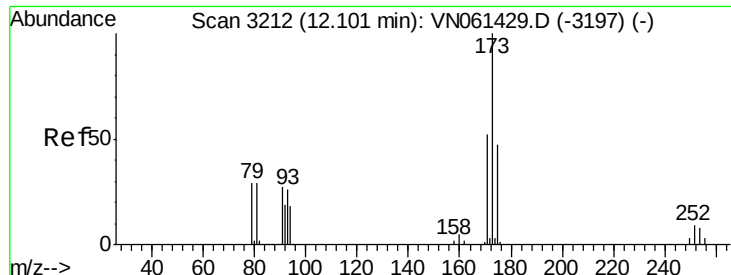
Tot Ion:106 Resp: 794710
Ion Ratio Lower Upper
106 100
91 210.0 107.9 323.7



#70
Styrene
Concen: 103.827 ug/l
RT: 11.94 min Scan# 3161
Delta R.T. 0.00 min
Lab File: VN061430.D
Acq: 18 May 2020 12:23

Tgt Ion:104 Resp: 1375566
Ion Ratio Lower Upper
104 100
78 49.9 40.7 61.1
103 53.5 43.0 64.4





#71

Bromoform

Concen: 110.484 ug/l

RT: 12.10 min Scan# 3212

Delta R.T. 0.00 min

Lab File: VN061430.D

Acq: 18 May 2020 12:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

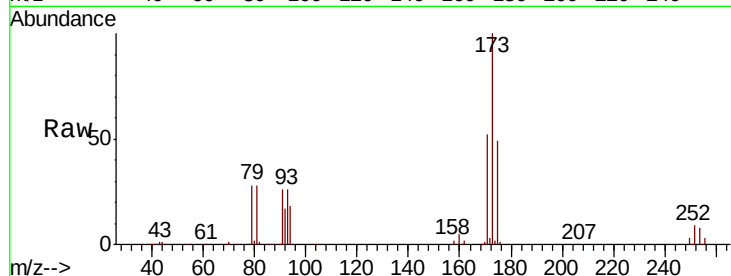
Tot Ion:173 Resp: 321079

Ion Ratio Lower Upper

173 100

175 48.3 23.9 71.8

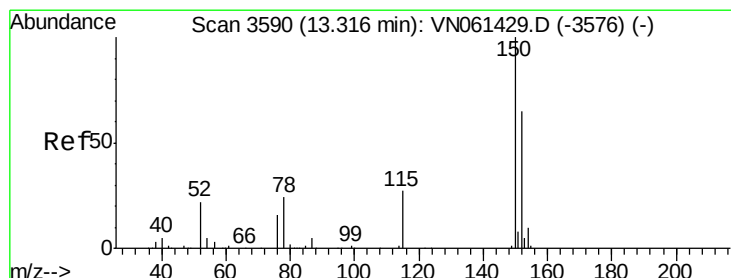
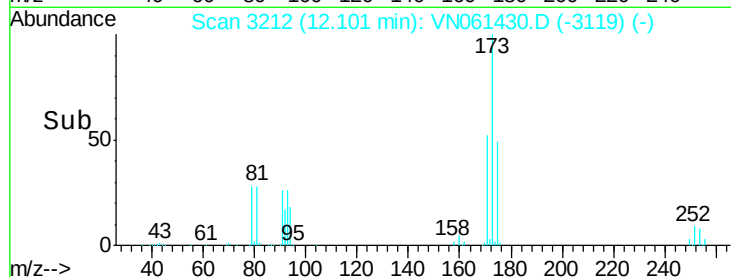
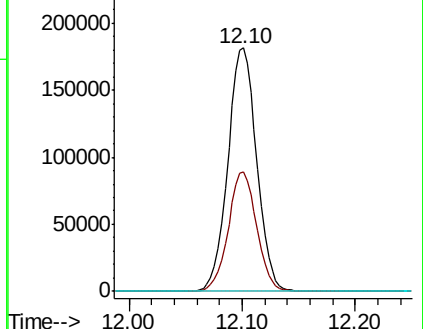
254 0.1 0.0 0.0#



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: VN061430.D

Acq: 18 May 2020 12:23

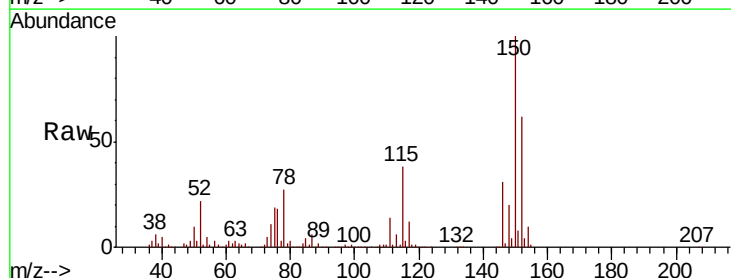
Tgt Ion:152 Resp: 276785

Ion Ratio Lower Upper

152 100

115 61.5 30.9 92.5

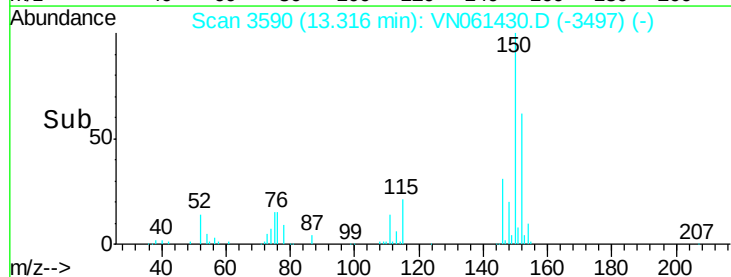
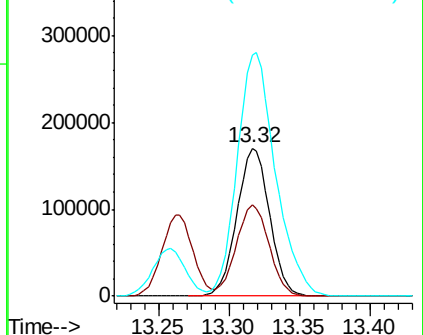
150 192.3 0.0 349.2

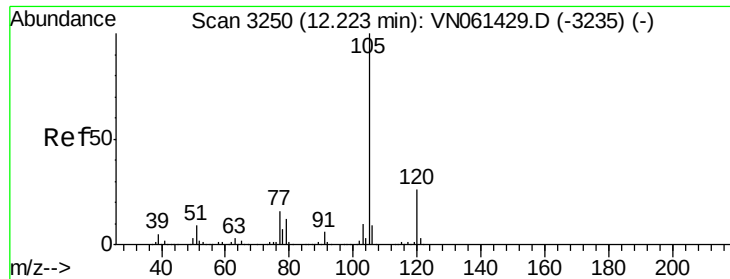


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 93.380 ug/l

RT: 12.22 min Scan# 3250

Delta R.T. -0.00 min

Lab File: VN061430.D

Acq: 18 May 2020 12:23

Instrument :

MSVOA_N

ClientSampleId :

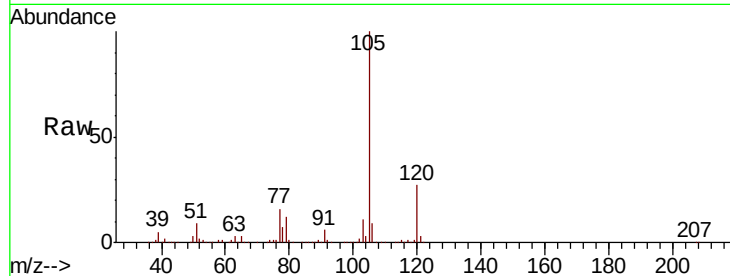
VSTDIC100

Tot Ion:105 Resp: 2103655

Ion Ratio Lower Upper

105 100

120 26.7 13.0 39.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.22

1500000

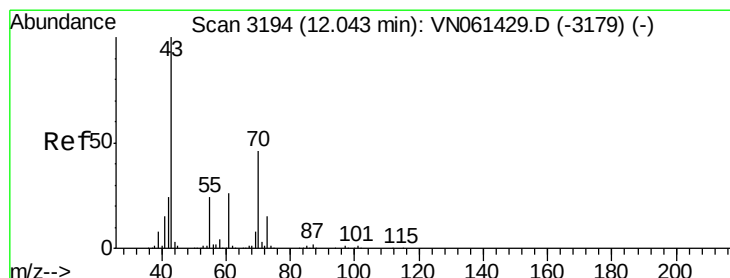
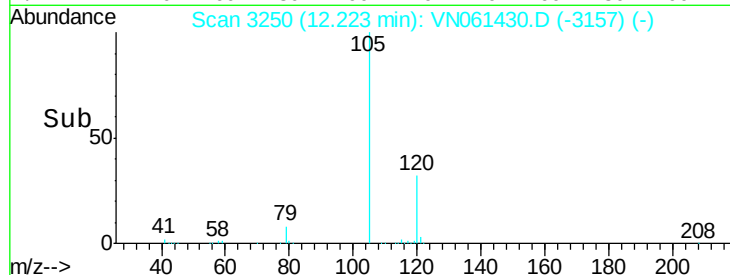
1000000

500000

0

Time-->

12.20 12.30



#74

N-ethyl acetate

Concen: 86.766 ug/l

RT: 12.04 min Scan# 3194

Delta R.T. 0.00 min

Lab File: VN061430.D

Acq: 18 May 2020 12:23

Tgt Ion: 43 Resp: 764505

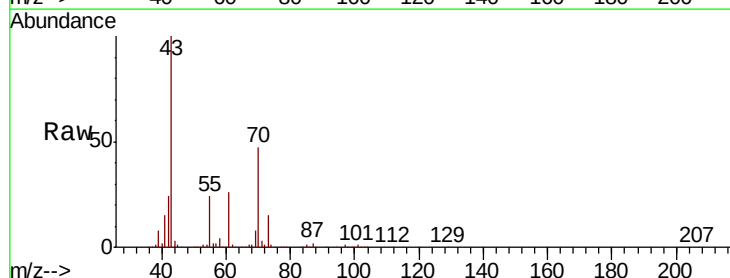
Ion Ratio Lower Upper

43 100

70 47.1 37.0 55.4

55 24.3 19.5 29.3

61 26.6 20.8 31.2



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

800000

600000

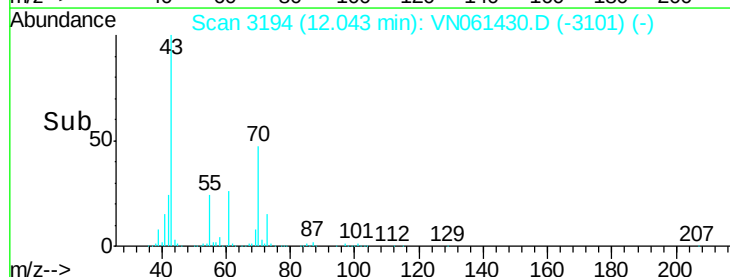
400000

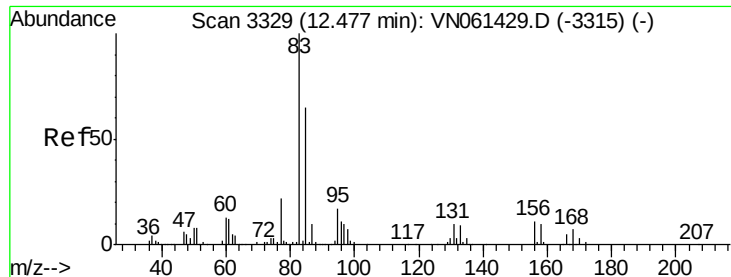
200000

0

Time-->

12.00 12.10





#75

1,1,2,2-Tetrachloroethane

Concen: 87.246 ug/l

RT: 12.48 min Scan# 3329

Delta R.T. 0.00 min

Lab File: VN061430.D

Acq: 18 May 2020 12:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

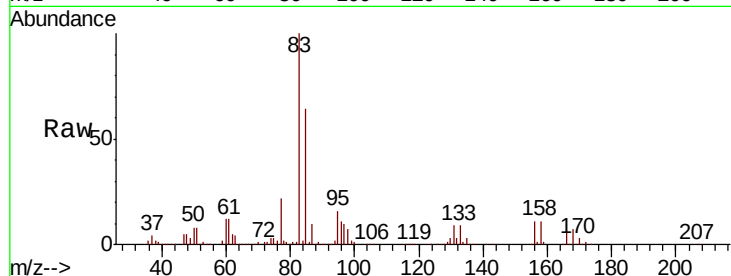
Tot Ion: 83 Resp: 560266

Ion Ratio Lower Upper

83 100

131 10.0 4.8 14.4

85 64.4 32.1 96.5



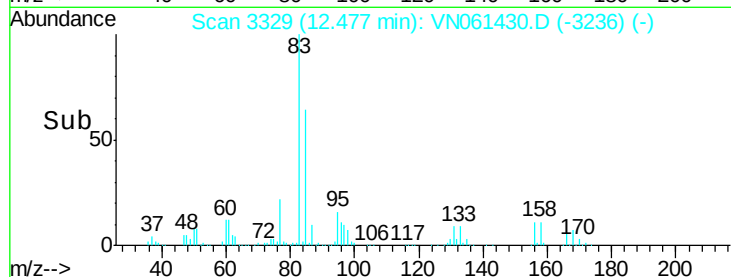
Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0

12.48

Time-->



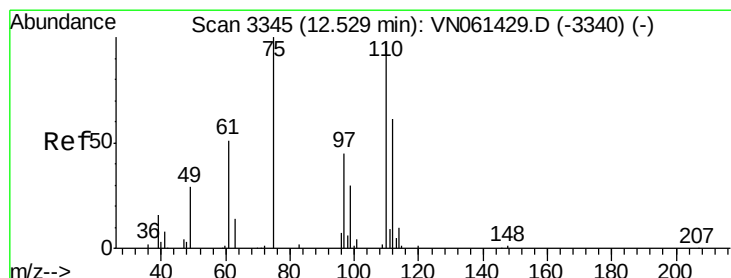
Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0

12.48

Time-->



#76

1,2,3-Trichloropropane

Concen: 134.494 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN061430.D

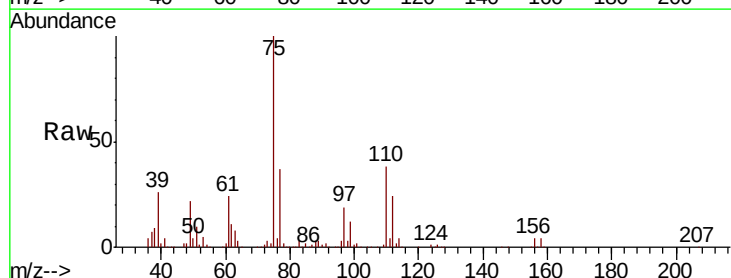
Acq: 18 May 2020 12:23

Tgt Ion: 75 Resp: 777469

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0

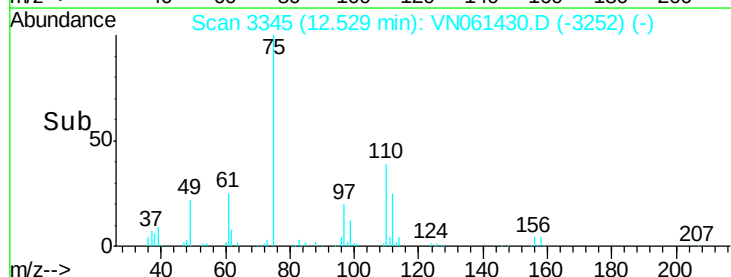


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

12.53

Time-->

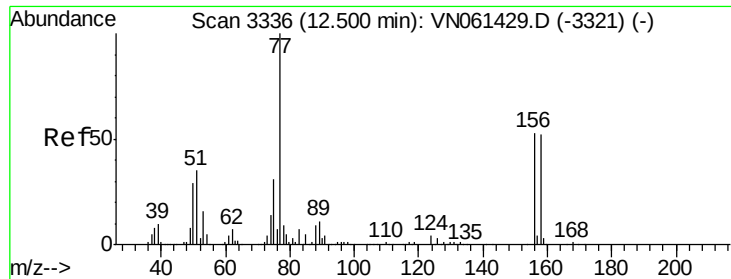


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

12.53

Time-->



#77

Bromobenzene

Concen: 97.375 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VN061430.D

Acq: 18 May 2020 12:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

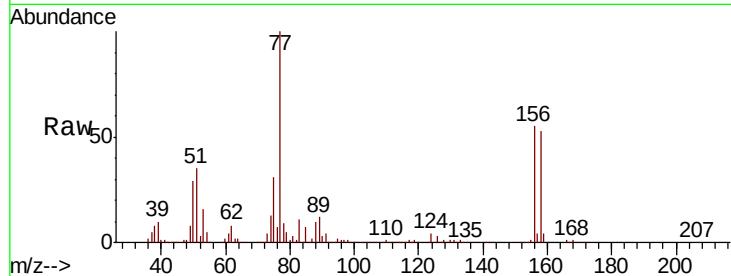
Tot Ion:156 Resp: 480127

Ion Ratio Lower Upper

156 100

77 213.7 112.3 336.9

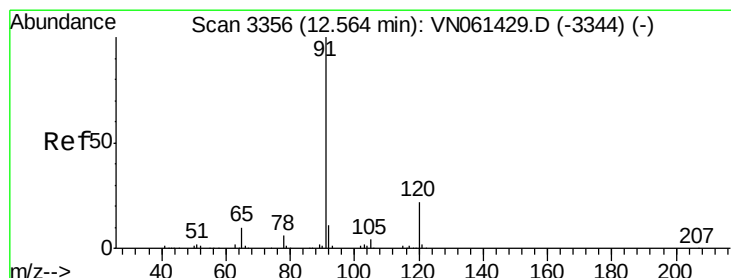
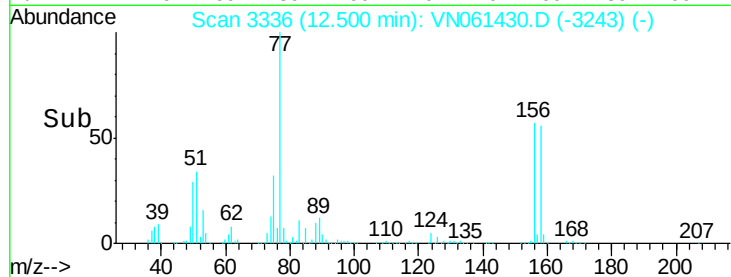
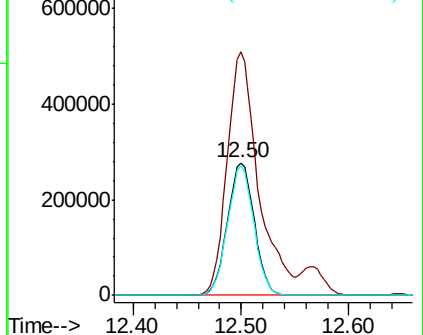
158 95.7 47.9 143.6



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 91.801 ug/l

RT: 12.56 min Scan# 3356

Delta R.T. 0.00 min

Lab File: VN061430.D

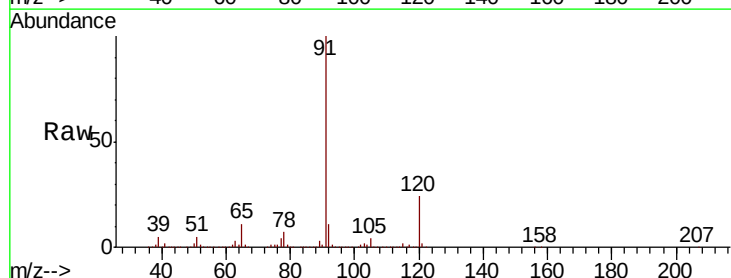
Acq: 18 May 2020 12:23

Tgt Ion: 91 Resp: 2410758

Ion Ratio Lower Upper

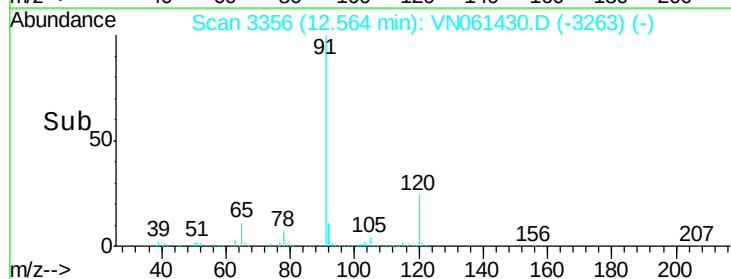
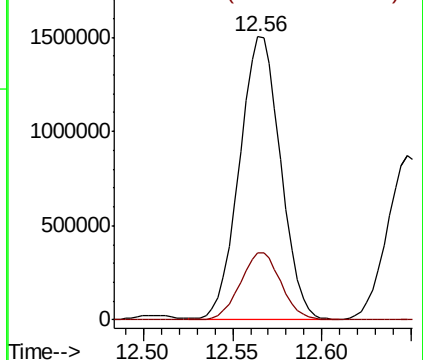
91 100

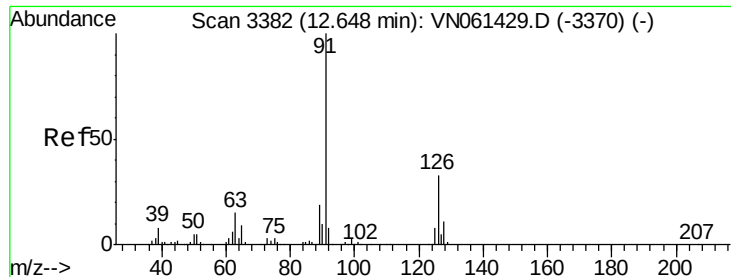
120 23.5 11.2 33.6



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

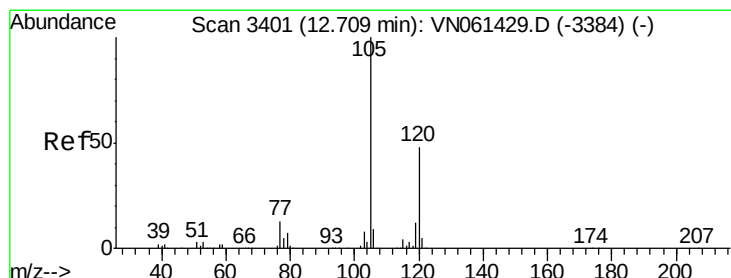
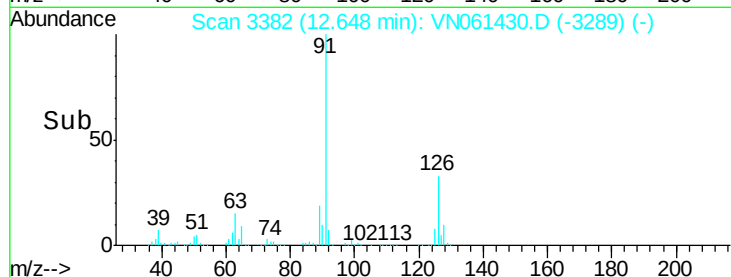
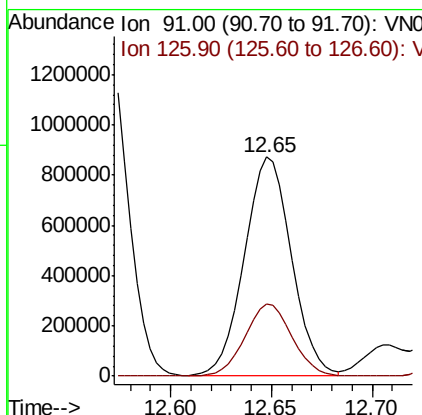
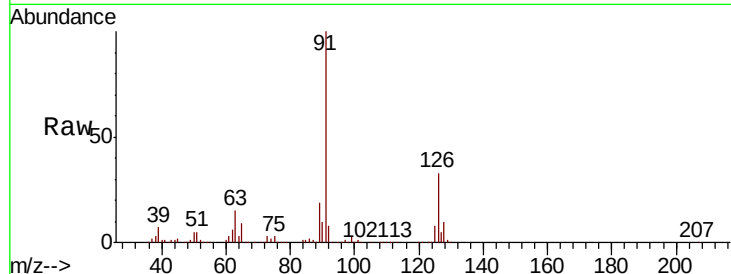




#79
 2-Chlorotoluene
 Concen: 92.208 ug/l
 RT: 12.65 min Scan# 3382
 Delta R.T. 0.00 min
 Lab File: VN061430.D
 Acq: 18 May 2020 12:23

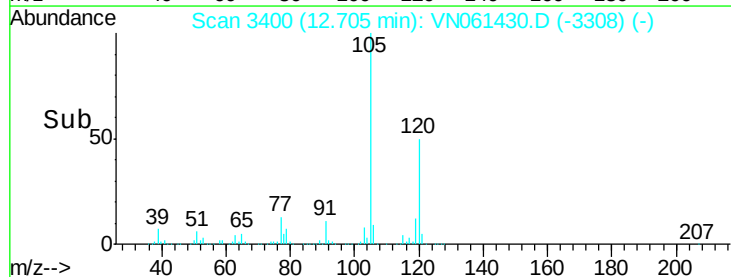
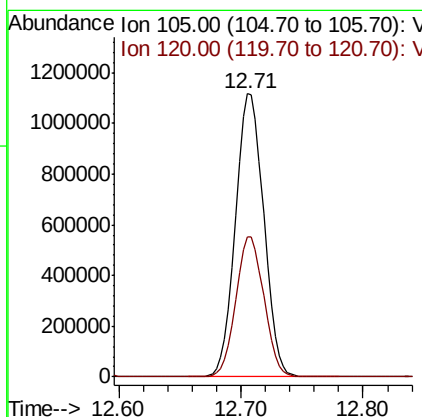
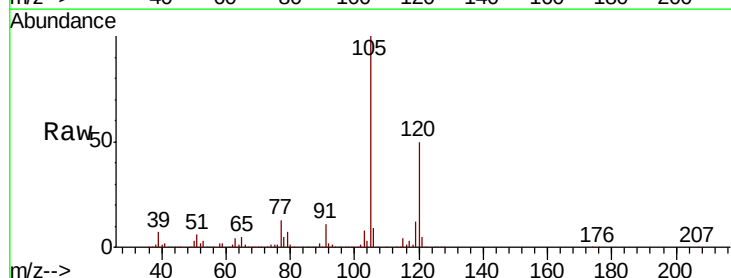
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

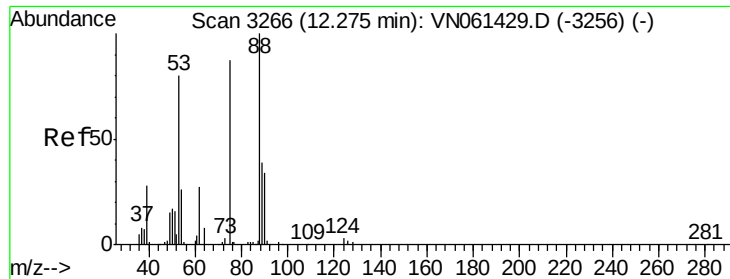
Tot Ion: 91 Resp: 1419617
 Ion Ratio Lower Upper
 91 100
 126 33.0 16.3 48.9



#80
 1,3,5-Trimethylbenzene
 Concen: 94.946 ug/l
 RT: 12.71 min Scan# 3400
 Delta R.T. -0.00 min
 Lab File: VN061430.D
 Acq: 18 May 2020 12:23

Tgt Ion: 105 Resp: 1790086
 Ion Ratio Lower Upper
 105 100
 120 49.2 24.1 72.4





#81

trans-1,4-Dichloro-2-butene

Concen: 100.170 ug/l

RT: 12.27 min Scan# 3266

Delta R.T. 0.00 min

Lab File: VN061430.D

Acq: 18 May 2020 12:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

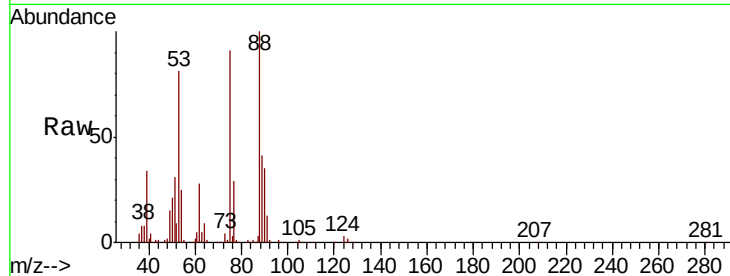
Tot Ion: 75 Resp: 221416

Ion Ratio Lower Upper

75 100

53 88.9 75.2 112.8

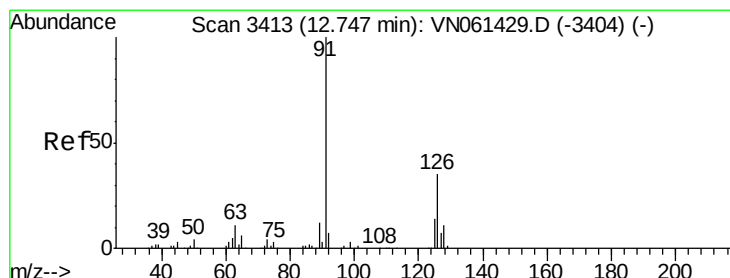
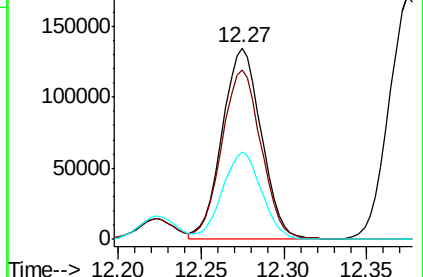
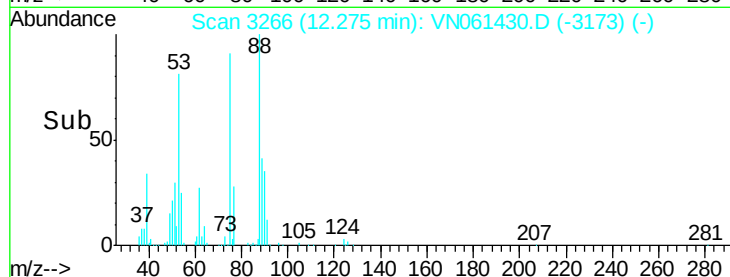
89 45.2 38.2 57.4



Abundance Ion 74.90 (74.60 to 75.60): VN061430.D (-3173) (-)

Ion 53.00 (52.70 to 53.70): VN061430.D (-3173) (-)

Ion 88.90 (88.60 to 89.60): VN061430.D (-3173) (-)



#82

4-Chlorotoluene

Concen: 93.918 ug/l

RT: 12.75 min Scan# 3413

Delta R.T. 0.00 min

Lab File: VN061430.D

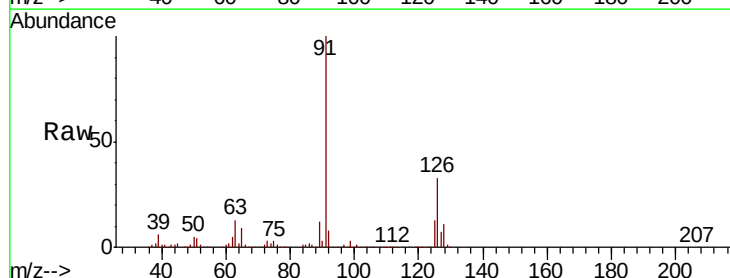
Acq: 18 May 2020 12:23

Tgt Ion: 91 Resp: 1519257

Ion Ratio Lower Upper

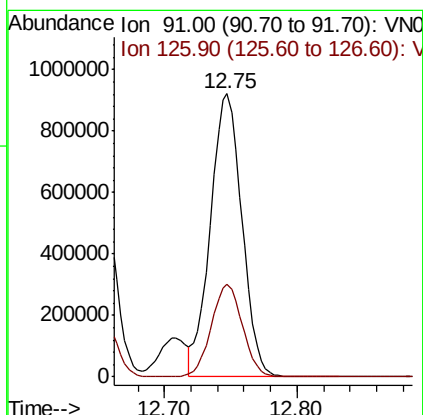
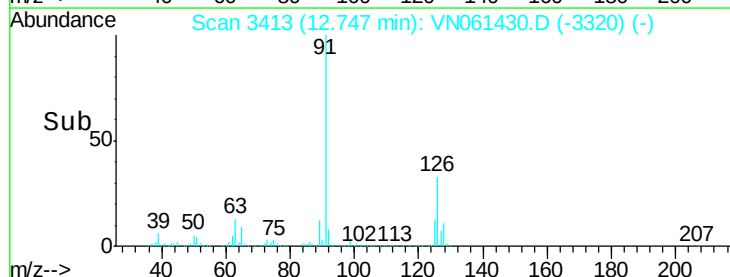
91 100

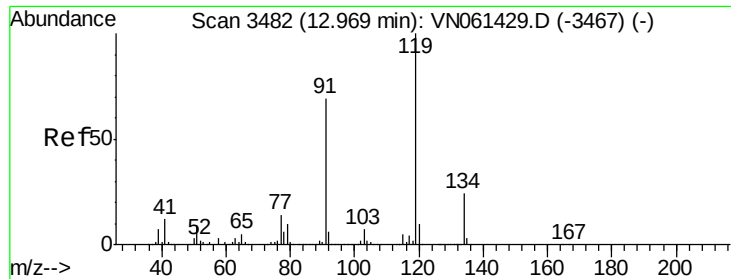
126 32.2 16.1 48.2



Abundance Ion 91.00 (90.70 to 91.70): VN061430.D (-3320) (-)

Ion 125.90 (125.60 to 126.60): VN061430.D (-3320) (-)

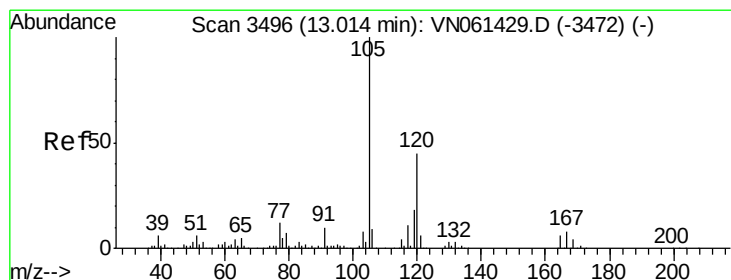
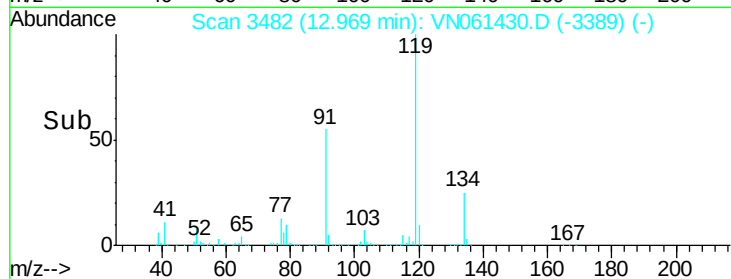
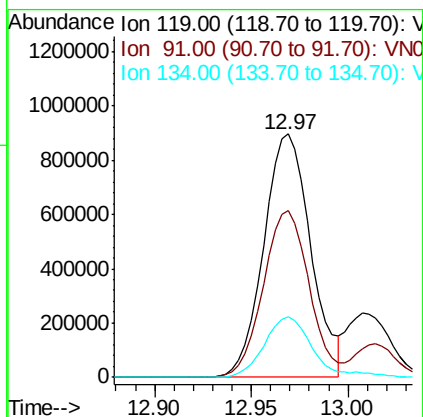
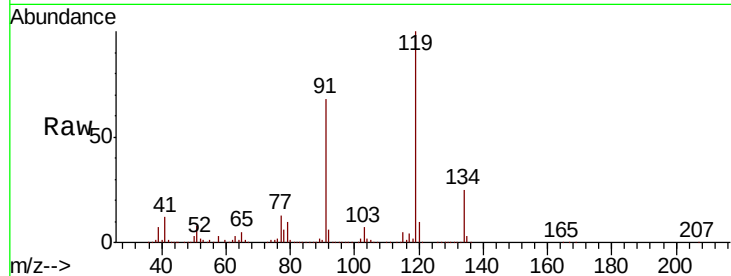




#83
 tert-Butylbenzene
 Concen: 94.323 ug/l
 RT: 12.97 min Scan# 3482
 Delta R.T. -0.00 min
 Lab File: VN061430.D
 Acq: 18 May 2020 12:23

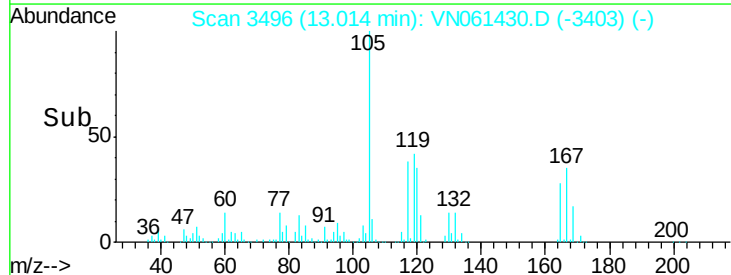
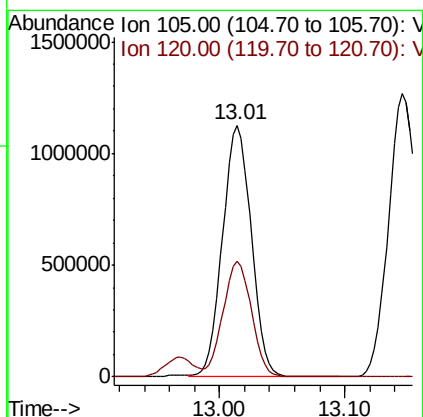
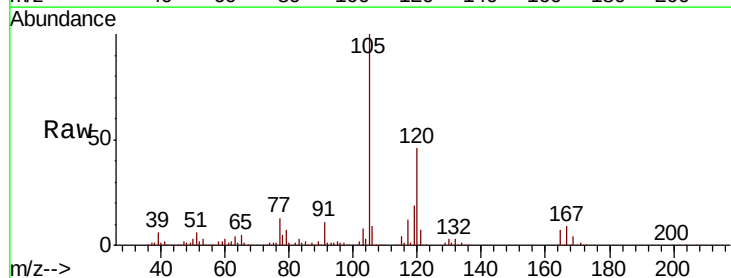
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

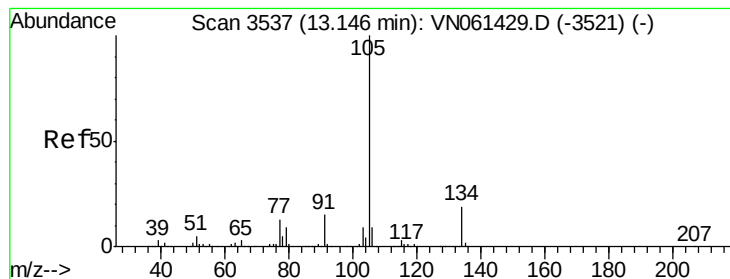
Tot Ion:119 Resp: 1517077
 Ion Ratio Lower Upper
 119 100
 91 66.5 33.7 101.0
 134 25.6 12.8 38.3



#84
 1,2,4-Trimethylbenzene
 Concen: 95.007 ug/l
 RT: 13.01 min Scan# 3496
 Delta R.T. -0.00 min
 Lab File: VN061430.D
 Acq: 18 May 2020 12:23

Tgt Ion:105 Resp: 1787440
 Ion Ratio Lower Upper
 105 100
 120 45.9 22.4 67.3





#85

sec-Butylbenzene

Concen: 94.928 ug/l

RT: 13.15 min Scan# 3537

Delta R.T. 0.00 min

Lab File: VN061430.D

Acq: 18 May 2020 12:23

Instrument :

MSVOA_N

ClientSampleId :

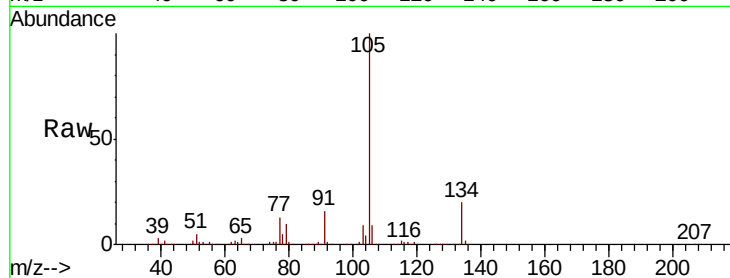
VSTDIC100

Tot Ion:105 Resp: 2060777

Ion Ratio Lower Upper

105 100

134 19.8 9.8 29.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

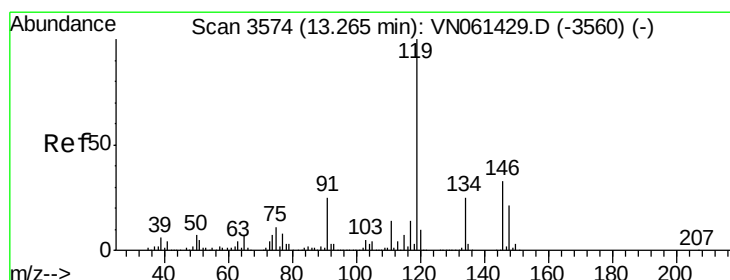
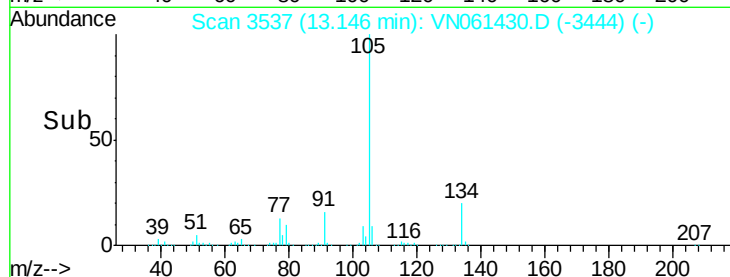
13.15

1000000

500000

0

Time-->



#86

p-Isopropyltoluene

Concen: 99.741 ug/l

RT: 13.26 min Scan# 3574

Delta R.T. 0.00 min

Lab File: VN061430.D

Acq: 18 May 2020 12:23

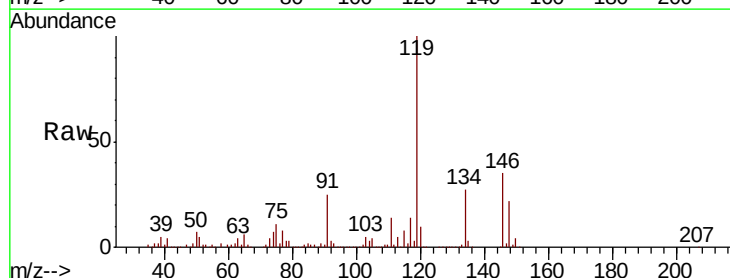
Tgt Ion:119 Resp: 1879633

Ion Ratio Lower Upper

119 100

134 26.2 12.7 38.1

91 24.8 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

13.26

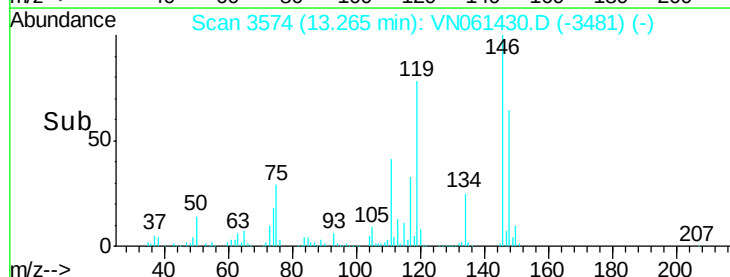
1500000

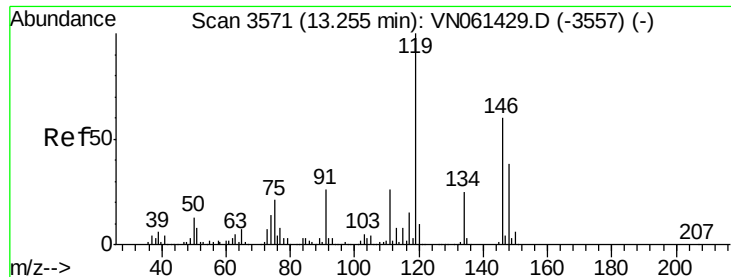
1000000

500000

0

Time-->





#87

1,3-Dichlorobenzene

Concen: 100.195 ug/l

RT: 13.26 min Scan# 3572

Delta R.T. 0.00 min

Lab File: VN061430.D

Acq: 18 May 2020 12:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

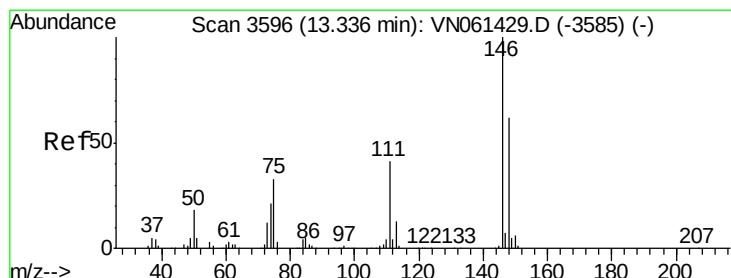
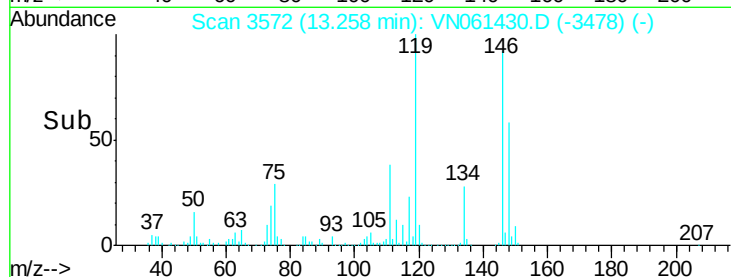
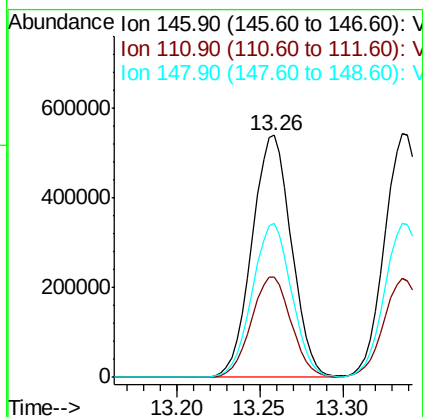
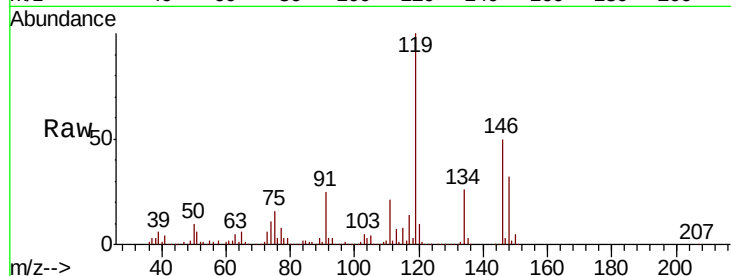
Tot Ion:146 Resp: 895875

Ion Ratio Lower Upper

146 100

111 41.7 21.5 64.5

148 63.4 31.8 95.3



#88

1,4-Dichlorobenzene

Concen: 98.120 ug/l

RT: 13.34 min Scan# 3596

Delta R.T. 0.00 min

Lab File: VN061430.D

Acq: 18 May 2020 12:23

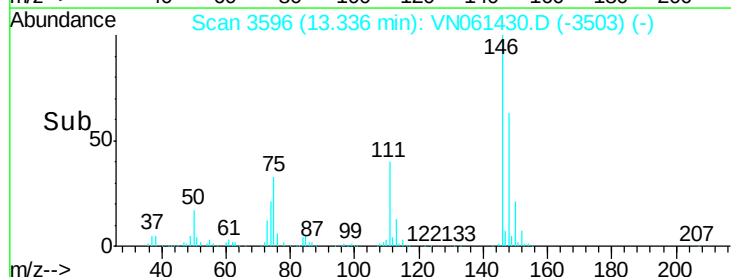
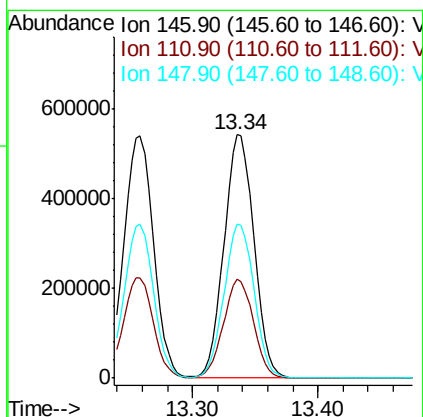
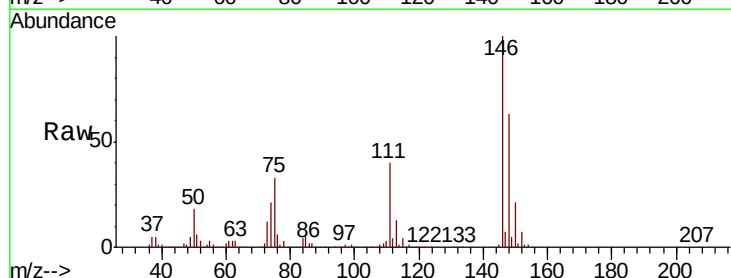
Tgt Ion:146 Resp: 900964

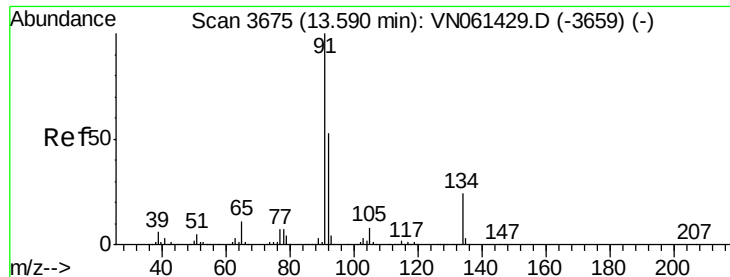
Ion Ratio Lower Upper

146 100

111 40.5 20.8 62.5

148 63.4 31.6 94.8





#89

n-Butylbenzene

Concen: 99.730 ug/l

RT: 13.59 min Scan# 3675

Delta R.T. 0.00 min

Lab File: VN061430.D

Acq: 18 May 2020 12:23

Instrument :

MSVOA_N

ClientSampled :

VSTDIC100

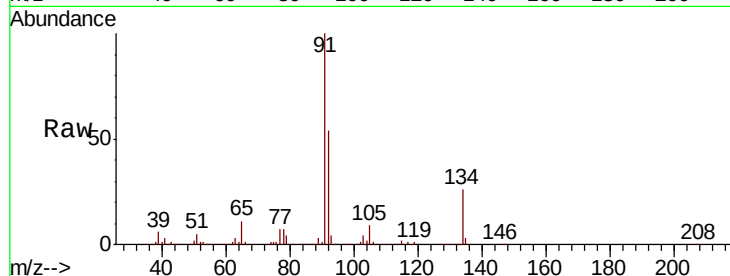
Tot Ion: 91 Resp: 1705387

Ion	Ratio	Lower	Upper
91	100		
92	54.0	26.8	80.3
134	25.6	12.4	37.4

91 100

92 54.0 26.8 80.3

134 25.6 12.4 37.4

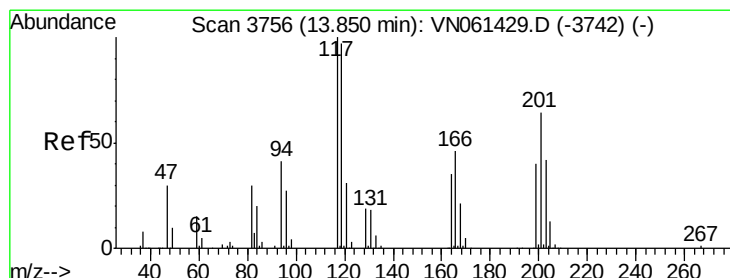
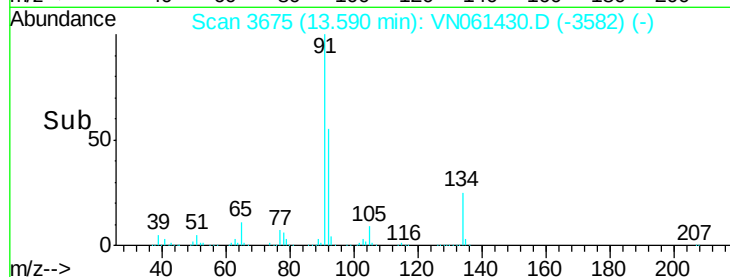
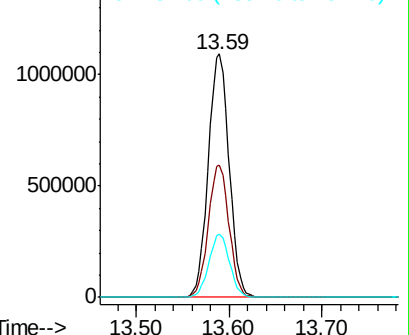


Abundance

Ion 91.00 (90.70 to 91.70): VN061430.D (-3582) (-)

Ion 92.00 (91.70 to 92.70): VN061430.D (-3582) (-)

Ion 134.00 (133.70 to 134.70): VN061430.D (-3582) (-)



#90

Hexachloroethane

Concen: 99.249 ug/l

RT: 13.85 min Scan# 3755

Delta R.T. -0.00 min

Lab File: VN061430.D

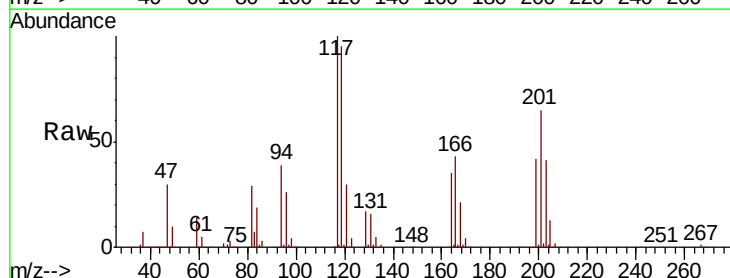
Acq: 18 May 2020 12:23

Tgt Ion: 117 Resp: 257699

Ion	Ratio	Lower	Upper
117	100		
201	65.8	32.9	98.7

117 100

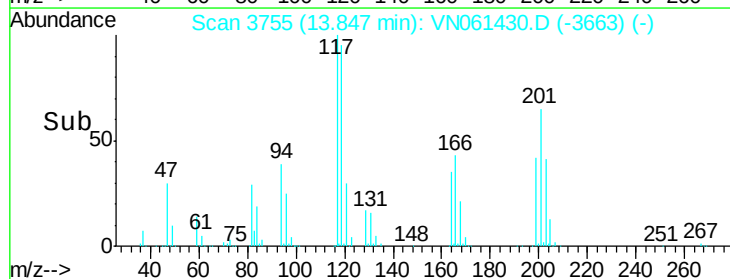
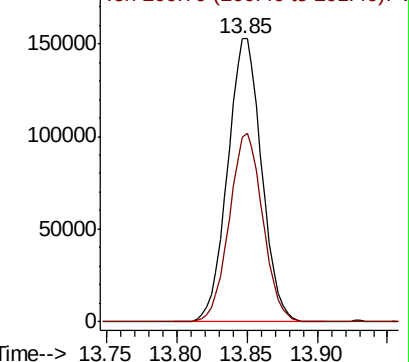
201 65.8 32.9 98.7

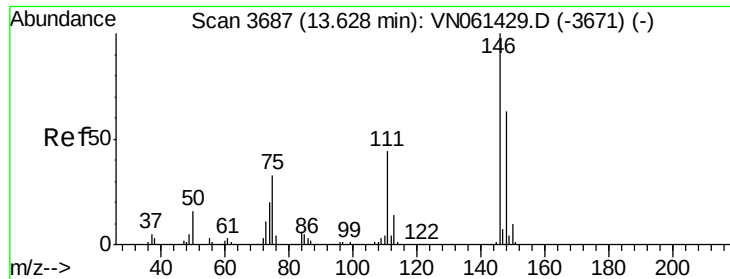


Abundance

Ion 116.80 (116.50 to 117.50): VN061430.D (-3663) (-)

Ion 200.70 (200.40 to 201.40): VN061430.D (-3663) (-)

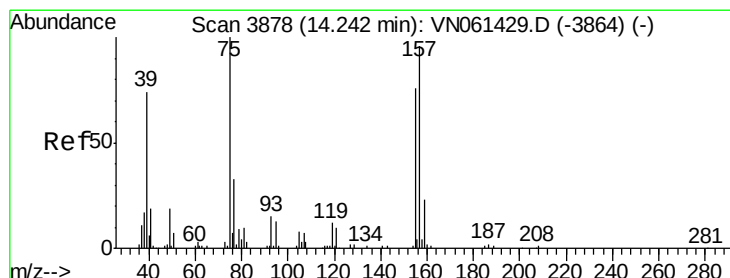
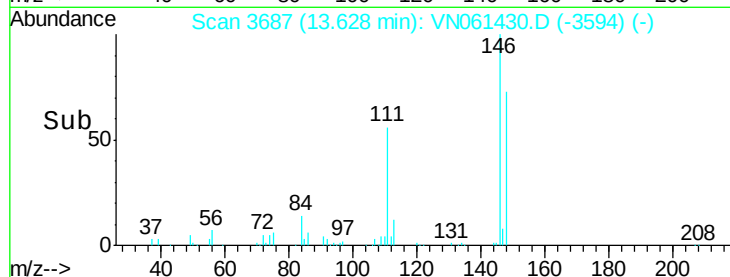
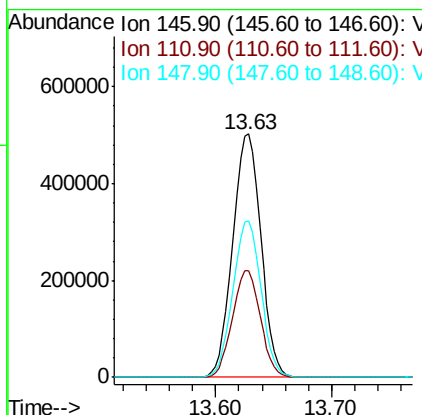
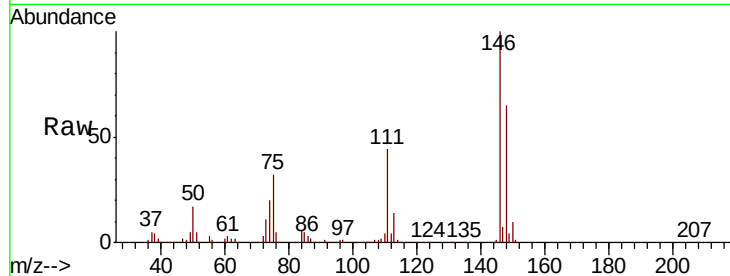




#91
 1,2-Dichlorobenzene
 Concen: 99.001 ug/l
 RT: 13.63 min Scan# 3687
 Delta R.T. 0.00 min
 Lab File: VN061430.D
 Acq: 18 May 2020 12:23

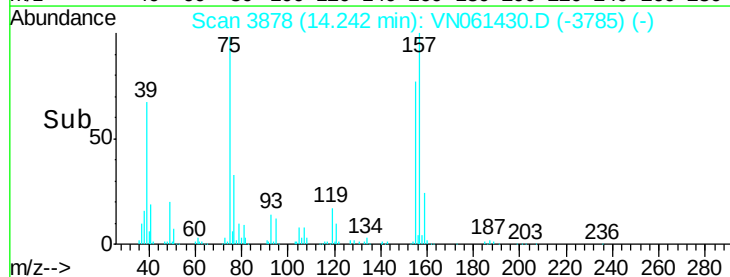
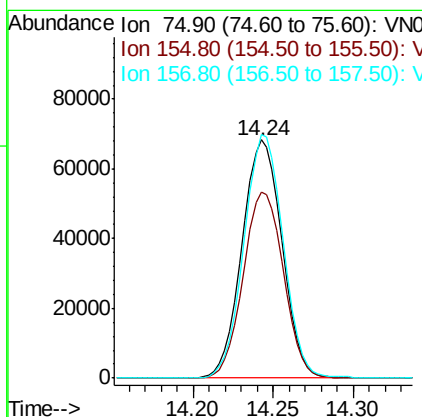
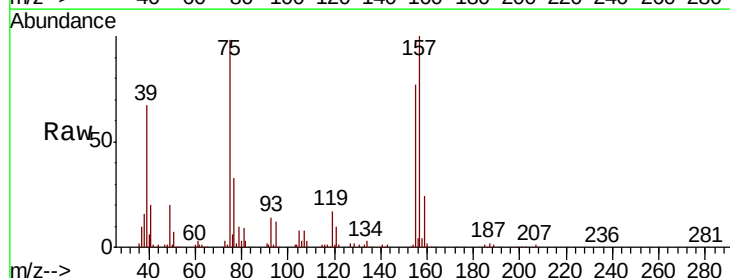
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

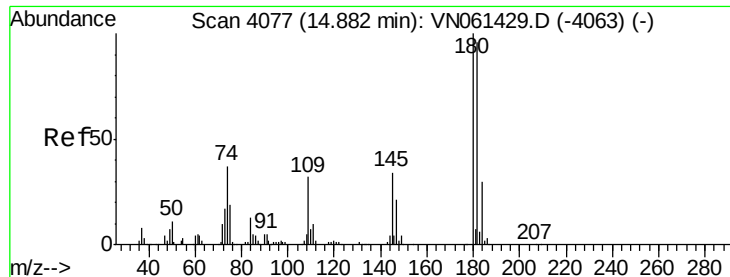
Tot Ion:146 Resp: 846225
 Ion Ratio Lower Upper
 146 100
 111 43.4 21.9 65.7
 148 63.9 31.6 94.7



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 94.333 ug/l
 RT: 14.24 min Scan# 3878
 Delta R.T. 0.00 min
 Lab File: VN061430.D
 Acq: 18 May 2020 12:23

Tgt Ion: 75 Resp: 116469
 Ion Ratio Lower Upper
 75 100
 155 78.7 38.9 116.7
 157 100.2 48.6 145.8

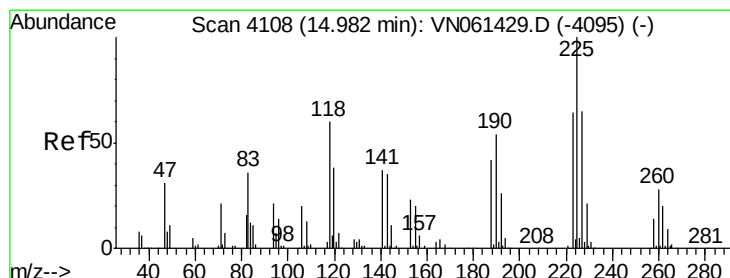
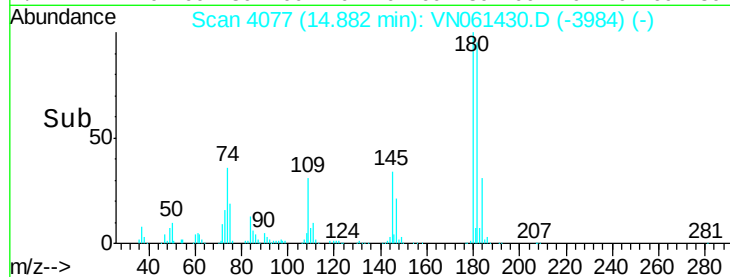
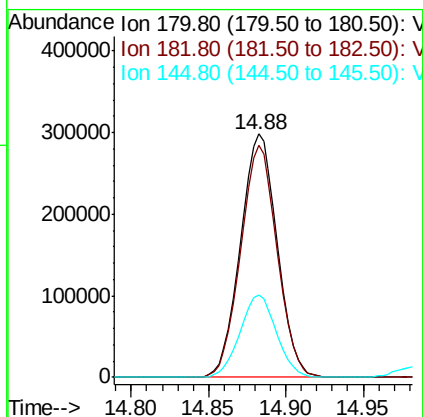
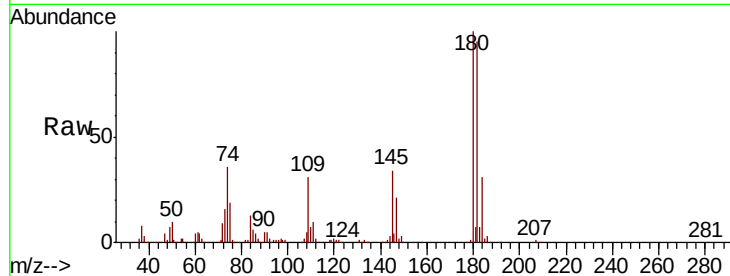




#93
 1,2,4-Trichlorobenzene
 Concen: 104.855 ug/l
 RT: 14.88 min Scan# 4077
 Delta R.T. 0.00 min
 Lab File: VN061430.D
 Acq: 18 May 2020 12:23

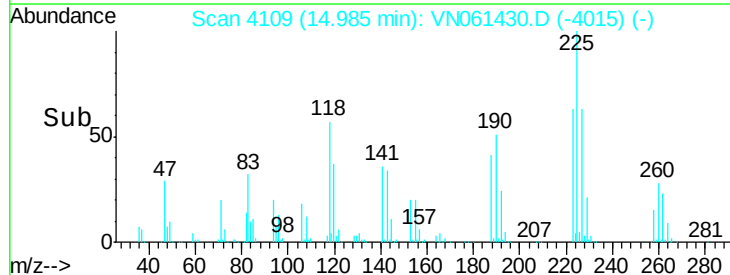
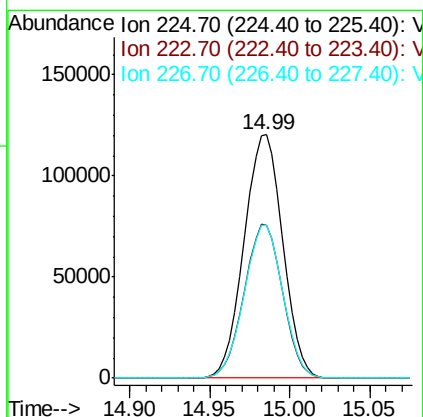
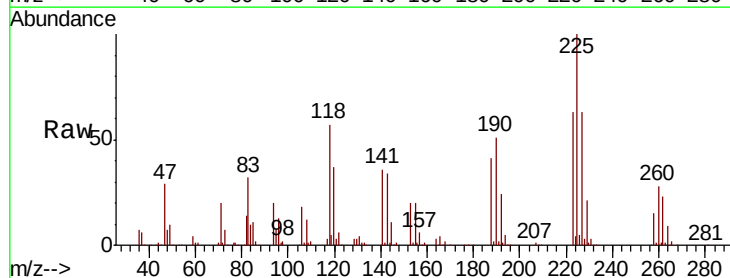
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

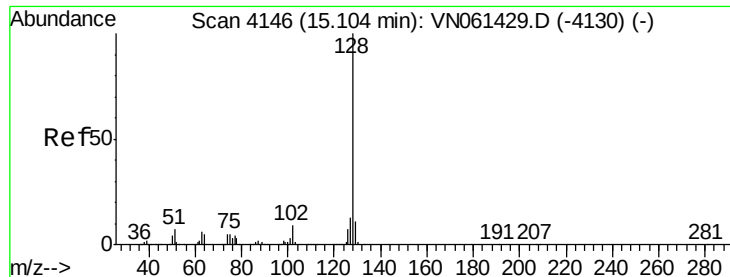
Tot Ion	Ratio	Lower	Upper
180	100		
182	94.7	47.0	141.0
145	33.6	16.7	50.0



#94
 Hexachlorobutadiene
 Concen: 110.094 ug/l
 RT: 14.99 min Scan# 4109
 Delta R.T. 0.00 min
 Lab File: VN061430.D
 Acq: 18 May 2020 12:23

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.6	31.9	95.7
227	62.4	31.5	94.5

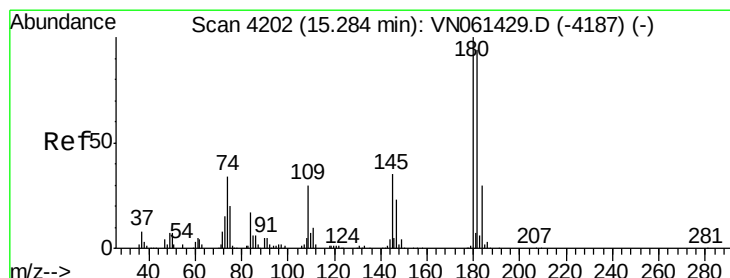
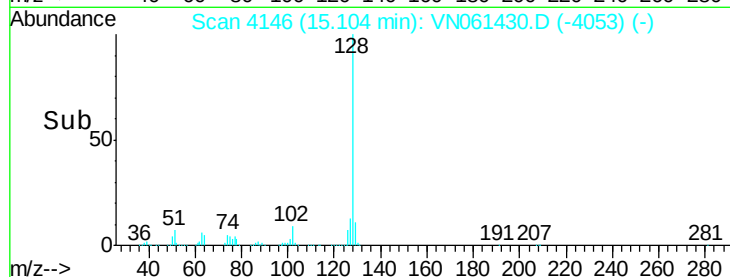
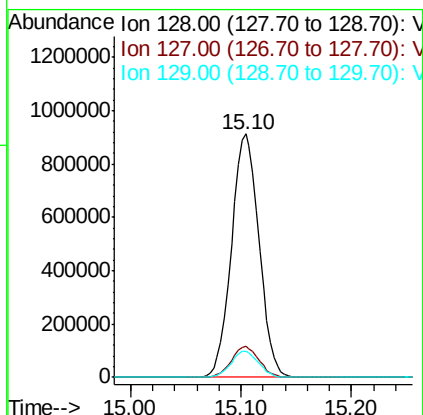
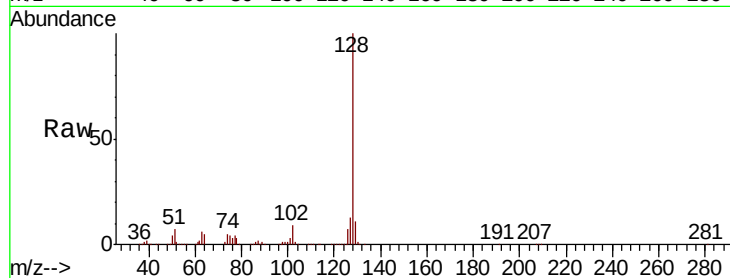




#95
Naphthalene
Concen: 104.002 ug/l
RT: 15.10 min Scan# 4146
Delta R.T. 0.00 min
Lab File: VN061430.D
Acq: 18 May 2020 12:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion:128 Resp: 1578613
Ion Ratio Lower Upper
128 100
127 12.7 10.1 15.1
129 10.7 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 102.265 ug/l
RT: 15.28 min Scan# 4202
Delta R.T. 0.00 min
Lab File: VN061430.D
Acq: 18 May 2020 12:23

Tgt Ion:180 Resp: 479027
Ion Ratio Lower Upper
180 100
182 95.3 47.8 143.3
145 35.2 17.3 51.9

