

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN110420\
 Data File : VN064429.D
 Acq On : 4 Nov 2020 11:24
 Operator : JC/MD
 Sample : VSTDICC100
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 04 11:44:16 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110420W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 04 11:31:41 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	347072	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	602472	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	571286	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	270604	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	593677	104.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	209.10%	
35) Dibromofluoromethane	7.55	113	416423	103.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	207.16%	
50) Toluene-d8	10.06	98	1650259	109.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	218.74%	
62) 4-Bromofluorobenzene	12.37	95	640350	109.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	219.08%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	445433	108.521	ug/l	98
3) Chloromethane	2.04	50	523384	114.916	ug/l	98
4) Vinyl Chloride	2.17	62	555815	125.201	ug/l	99
5) Bromomethane	2.52	94	346202	118.986	ug/l	98
6) Chloroethane	2.67	64	340390	125.683	ug/l	99
7) Trichlorofluoromethane	2.98	101	779154	107.219	ug/l	99
8) Diethyl Ether	3.37	74	281230	120.180	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.71	101	371762	103.137	ug/l	99
10) Methyl Iodide	3.91	142	483514	102.794	ug/l	97
11) Tert butyl alcohol	4.75	59	342260	433.780	ug/l	98
12) 1,1-Dichloroethene	3.69	96	364165	106.982	ug/l	98
13) Acrolein	3.57	56	221575	927.148	ug/l	100
14) Allyl chloride	4.27	41	723030	104.260	ug/l	100
15) Acrylonitrile	4.93	53	1001790	562.382	ug/l	99
16) Acetone	3.78	43	1107484	523.961	ug/l	100
17) Carbon Disulfide	4.01	76	1090399	107.383	ug/l	98
18) Methyl Acetate	4.28	43	439982	103.588	ug/l	99
19) Methyl tert-butyl Ether	4.99	73	1365312	105.291	ug/l	99
20) Methylene Chloride	4.50	84	435192	107.081	ug/l	98
21) trans-1,2-Dichloroethene	4.98	96	415576	108.411	ug/l	98
22) Diisopropyl ether	5.90	45	1617229	117.101	ug/l	96
23) Vinyl Acetate	5.85	43	6807317	589.177	ug/l	98
24) 1,1-Dichloroethane	5.80	63	831492	108.554	ug/l	100
25) 2-Butanone	6.79	43	1557616	543.377	ug/l	98
26) 2,2-Dichloropropane	6.78	77	772530	104.563	ug/l	100
27) cis-1,2-Dichloroethene	6.78	96	492355	112.477	ug/l	98
28) Bromochloromethane	7.15	49	433076	121.675	ug/l	97
29) Tetrahydrofuran	7.17	42	959148	522.864	ug/l	99
30) Chloroform	7.33	83	880304	107.657	ug/l	98
31) Cyclohexane	7.61	56	707641	105.228	ug/l	98
32) 1,1,1-Trichloroethane	7.53	97	781533	101.227	ug/l	99
36) 1,1-Dichloropropene	7.75	75	665675	107.157	ug/l	99
37) Ethyl Acetate	6.88	43	638624	103.051	ug/l	100
38) Carbon Tetrachloride	7.73	117	688407	97.725	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	607889	100.334	ug/l	99
40) Benzene	8.00	78	1896861	109.002	ug/l	100
41) Methacrylonitrile	7.13	41	320894	106.313	ug/l	88
42) 1,2-Dichloroethane	8.08	62	753061	101.637	ug/l	99
43) Isopropyl Acetate	8.13	43	1101549	104.183	ug/l #	90
44) Trichloroethene	8.80	130	473277	105.350	ug/l	99
45) 1,2-Dichloropropane	9.08	63	506151	108.438	ug/l	97
46) Dibromomethane	9.17	93	339433	105.935	ug/l	98
47) Bromodichloromethane	9.37	83	724133	101.776	ug/l	98
48) Methyl methacrylate	9.17	41	565066	103.462	ug/l	98
49) 1,4-Dioxane	9.17	88	146367	1860.011	ug/l	99
51) 4-Methyl-2-Pentanone	9.95	43	3259532	527.404	ug/l	98
52) Toluene	10.12	92	1211821	110.543	ug/l	99
53) t-1,3-Dichloropropene	10.35	75	825971	109.175	ug/l	99
54) cis-1,3-Dichloropropene	9.81	75	860414	110.564	ug/l	99
55) 1,1,2-Trichloroethane	10.53	97	455743	105.852	ug/l	99
56) Ethyl methacrylate	10.40	69	732773	112.909	ug/l	99
57) 1,3-Dichloropropane	10.68	76	815836	111.114	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.66	63	1731951	512.931	ug/l	99
59) 2-Hexanone	10.72	43	2480475	546.084	ug/l	99
60) Dibromochloromethane	10.87	129	535165	106.759	ug/l	100
61) 1,2-Dibromoethane	10.98	107	484502	111.128	ug/l	99
64) Tetrachloroethene	10.60	164	428038	91.293	ug/l	98
65) Chlorobenzene	11.41	112	1262635	106.853	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.48	131	482451	102.050	ug/l	99
67) Ethyl Benzene	11.48	91	2361385	107.574	ug/l	99
68) m/p-Xylenes	11.59	106	1753609	215.901	ug/l	98
69) o-Xylene	11.92	106	828160	105.719	ug/l	99
70) Styrene	11.94	104	1462557	113.912	ug/l	99
71) Bromoform	12.10	173	354663	97.572	ug/l #	100
73) Isopropylbenzene	12.22	105	2170389	104.798	ug/l	99
74) N-amyl acetate	12.04	43	1046193	115.068	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.48	83	643457	106.404	ug/l	100
76) 1,2,3-Trichloropropane	12.53	75	942159	145.247	ug/l #	100
77) Bromobenzene	12.50	156	520766	103.600	ug/l	100
78) n-propylbenzene	12.56	91	2550098	108.787	ug/l	100
79) 2-Chlorotoluene	12.65	91	1565438	104.860	ug/l	99
80) 1,3,5-Trimethylbenzene	12.71	105	1832992	105.096	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.27	75	248874	109.116	ug/l	99
82) 4-Chlorotoluene	12.75	91	1680276	109.792	ug/l	100
83) tert-Butylbenzene	12.97	119	1405234	99.115	ug/l	99
84) 1,2,4-Trimethylbenzene	13.01	105	1870882	107.205	ug/l	100
85) sec-Butylbenzene	13.14	105	1852382	100.619	ug/l	100
86) p-Isopropyltoluene	13.26	119	1696938	102.612	ug/l	100
87) 1,3-Dichlorobenzene	13.25	146	924827	104.681	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	932711	103.646	ug/l	98
89) n-Butylbenzene	13.59	91	1492822	102.346	ug/l	99
90) Hexachloroethane	13.85	117	309107	100.130	ug/l	99
91) 1,2-Dichlorobenzene	13.62	146	890344	101.324	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.24	75	141411	97.599	ug/l	97

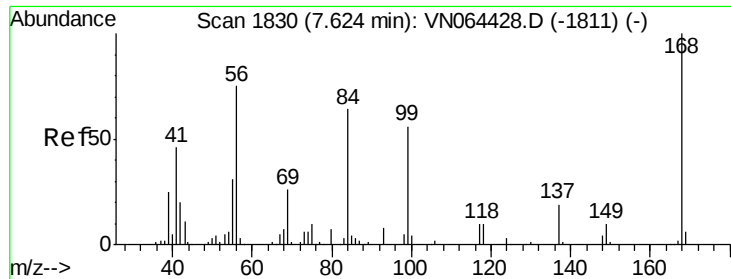
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	437774	103.646	ug/l	99
94) Hexachlorobutadiene	14.98	225	176607	69.254	ug/l	98
95) Naphthalene	15.10	128	1509978	114.117	ug/l	99
96) 1,2,3-Trichlorobenzene	15.28	180	423115	103.725	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. -0.00 min

Lab File: VN064429.D

Acq: 4 Nov 2020 11:24

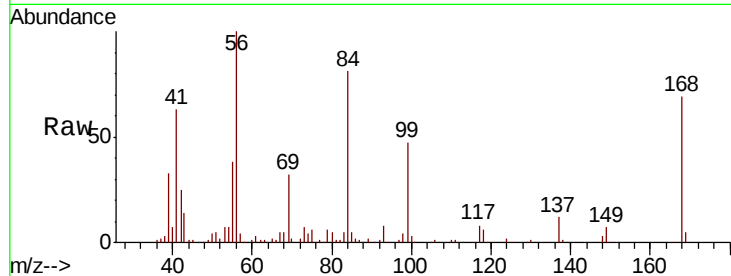
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 347072

Ion Ratio Lower Upper

168 100

99 67.0 53.4 80.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

200000

150000

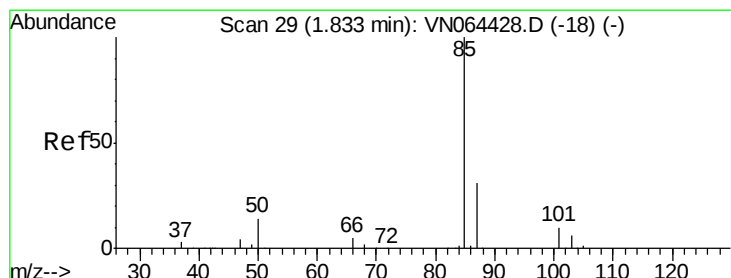
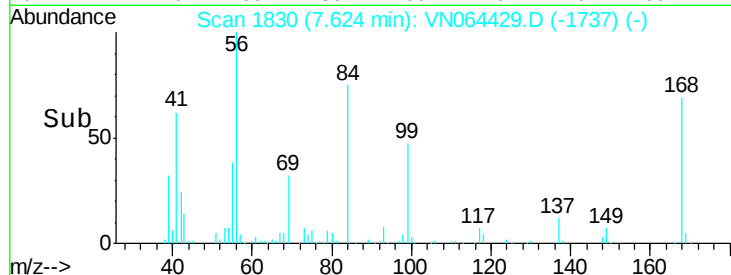
100000

50000

0

7.50 7.55 7.60 7.65 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 108.521 ug/l

RT: 1.83 min Scan# 29

Delta R.T. -0.00 min

Lab File: VN064429.D

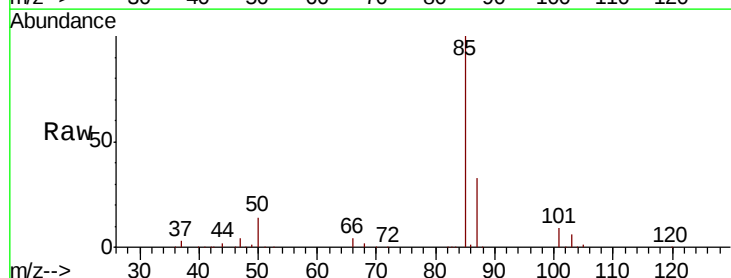
Acq: 4 Nov 2020 11:24

Tgt Ion: 85 Resp: 445433

Ion Ratio Lower Upper

85 100

87 32.8 15.7 47.1



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

300000

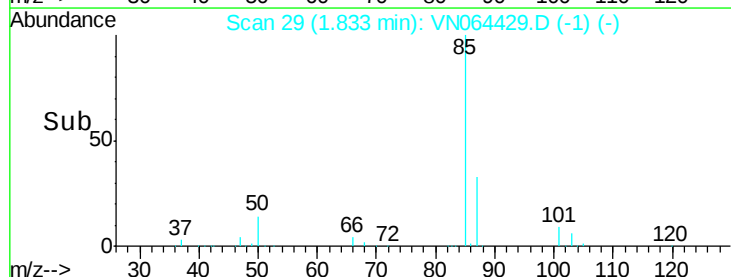
200000

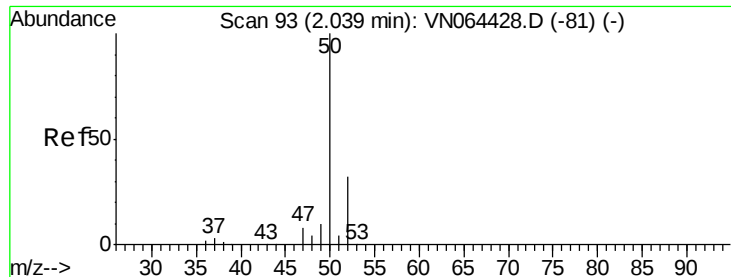
100000

0

1.80 1.85 1.90

Time-->





#3

Chloromethane

Concen: 114.916 ug/l

RT: 2.04 min Scan# 93

Delta R.T. -0.00 min

Lab File: VN064429.D

Acq: 4 Nov 2020 11:24

Instrument :

MSVOA_N

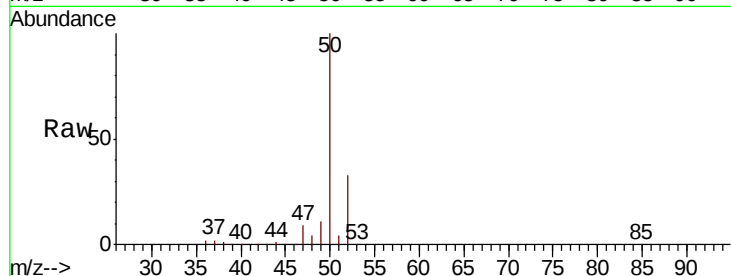
ClientSampleId :

Tot Ion: 50 Resp: 523384

Ion Ratio Lower Upper

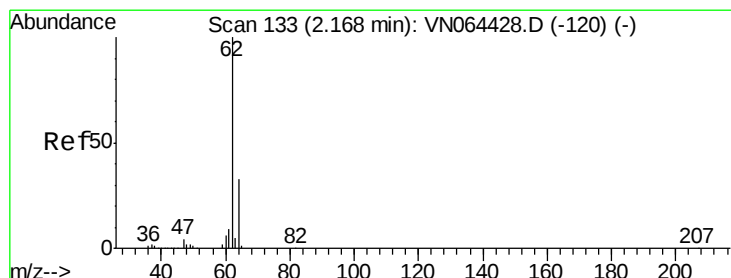
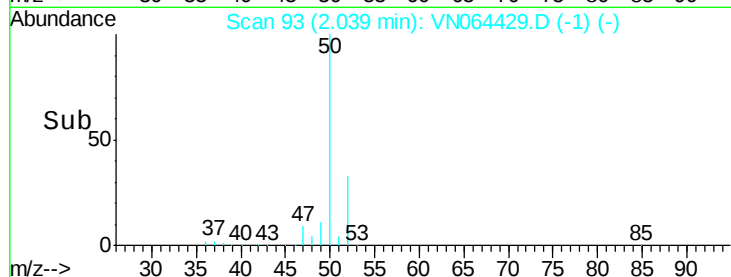
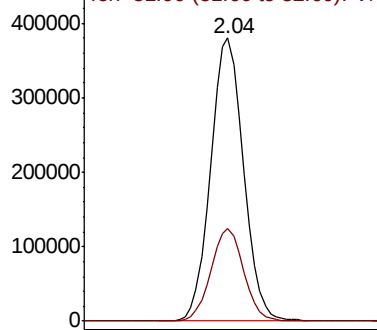
50 100

52 32.6 25.3 37.9



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 125.201 ug/l

RT: 2.17 min Scan# 133

Delta R.T. -0.00 min

Lab File: VN064429.D

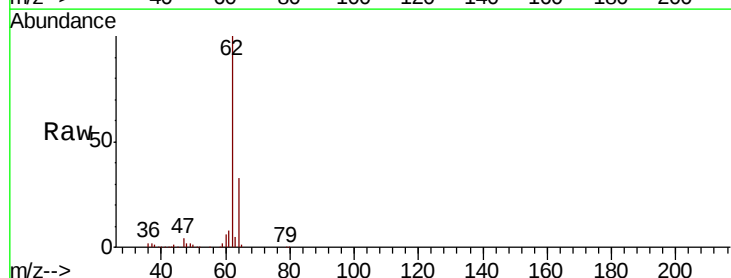
Acq: 4 Nov 2020 11:24

Tgt Ion: 62 Resp: 555815

Ion Ratio Lower Upper

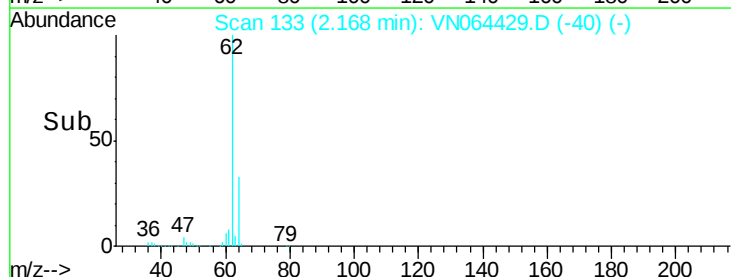
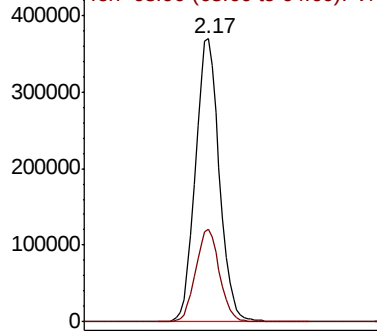
62 100

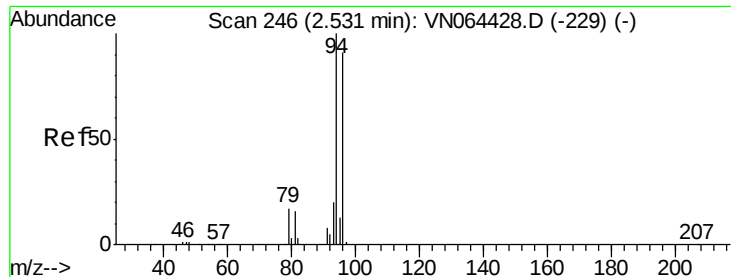
64 32.6 26.3 39.5



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 118.986 ug/l

RT: 2.52 min Scan# 242

Delta R.T. -0.01 min

Lab File: VN064429.D

Acq: 4 Nov 2020 11:24

Instrument :

MSVOA_N

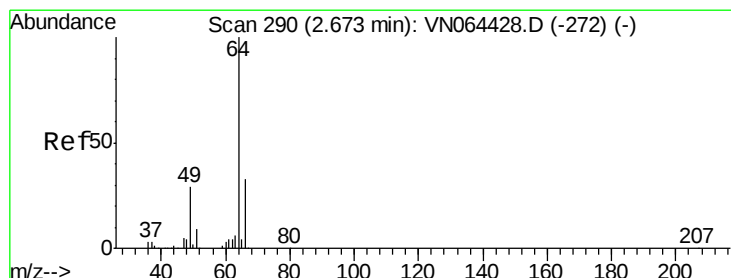
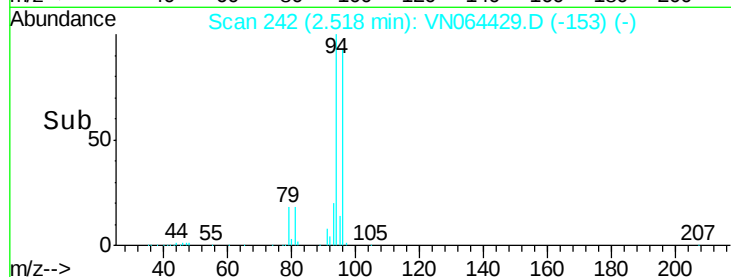
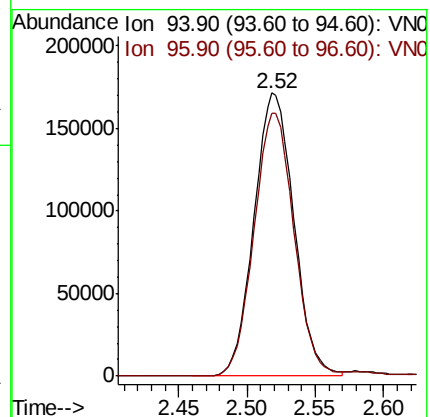
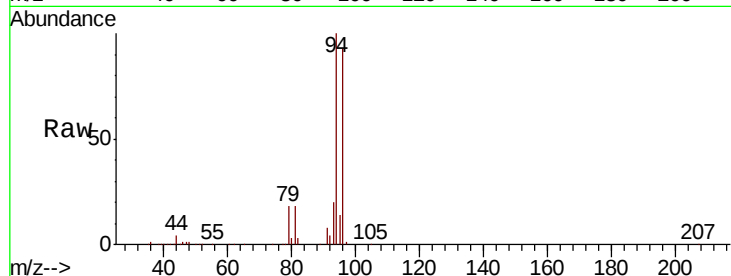
ClientSampleId :

Tot Ion: 94 Resp: 346202

Ion Ratio Lower Upper

94 100

96 93.1 73.1 109.7



#6

Chloroethane

Concen: 125.683 ug/l

RT: 2.67 min Scan# 288

Delta R.T. -0.01 min

Lab File: VN064429.D

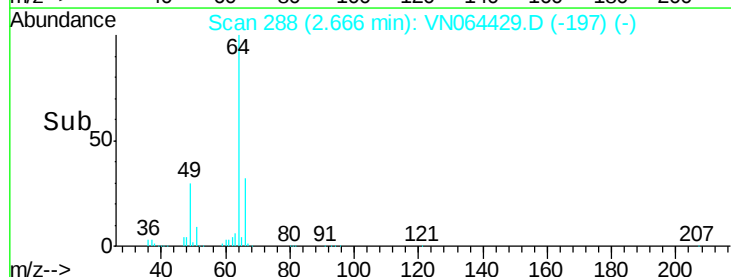
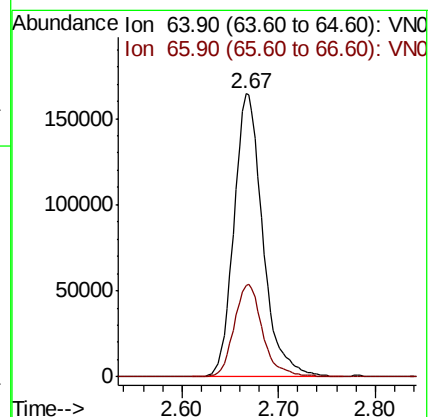
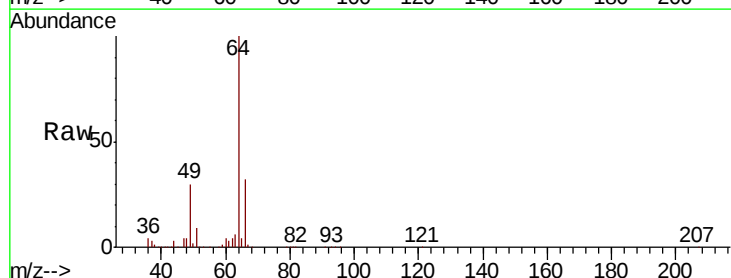
Acq: 4 Nov 2020 11:24

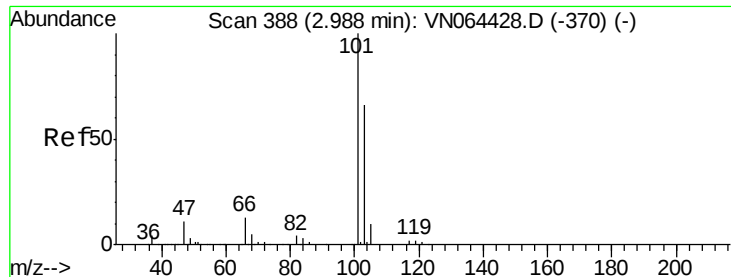
Tgt Ion: 64 Resp: 340390

Ion Ratio Lower Upper

64 100

66 32.3 26.1 39.1



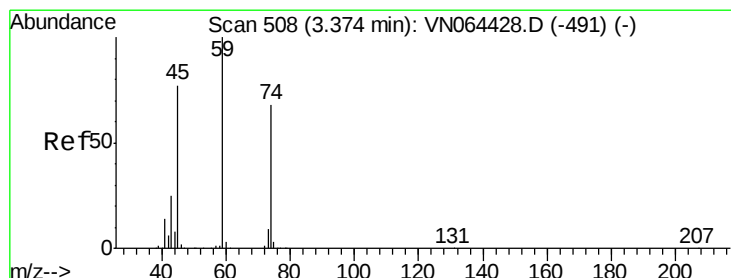
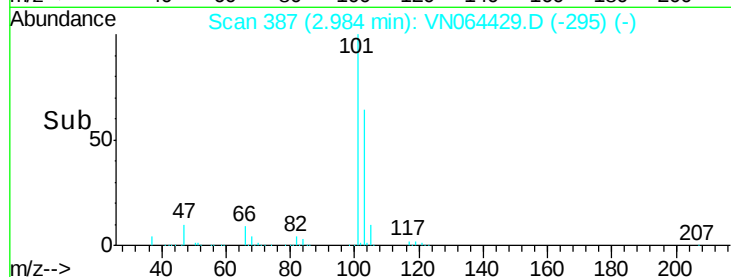
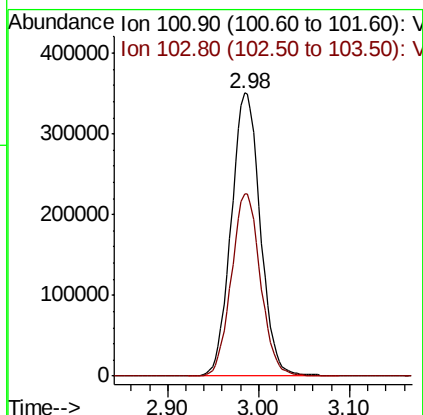
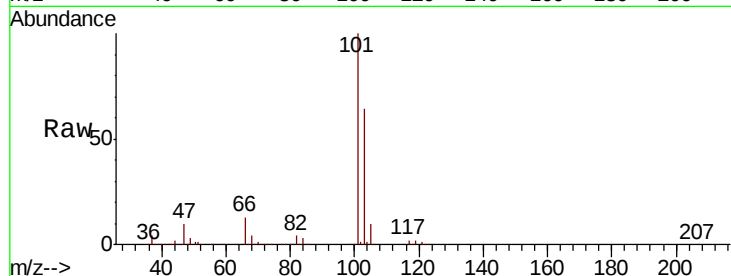


#7

Trichlorofluoromethane
 Concen: 107.219 ug/l
 RT: 2.98 min Scan# 387
 Delta R.T. -0.00 min
 Lab File: VN064429.D
 Acq: 4 Nov 2020 11:24

Instrument :
 MSVOA_N
 ClientSampleId :

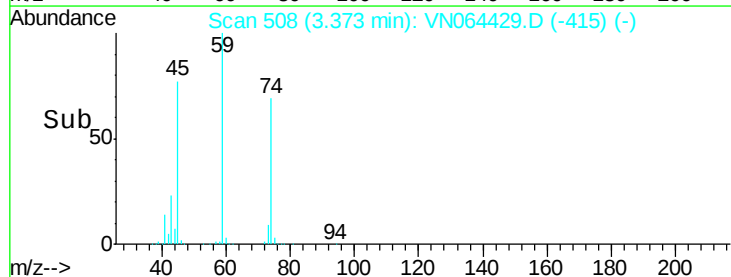
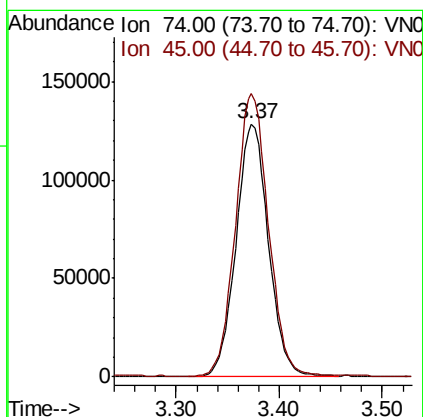
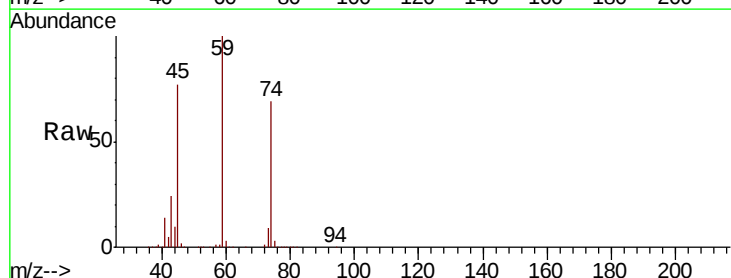
Tot Ion:101 Resp: 779154
 Ion Ratio Lower Upper
 101 100
 103 64.5 52.4 78.6

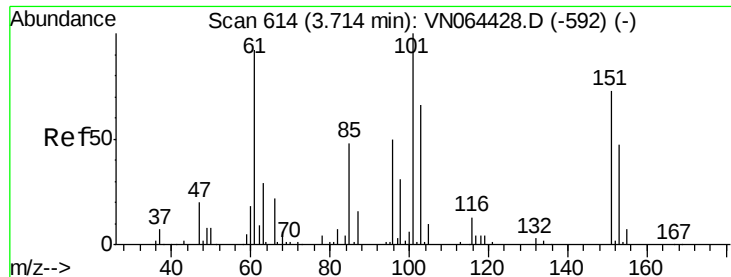


#8

Diethyl Ether
 Concen: 120.180 ug/l
 RT: 3.37 min Scan# 508
 Delta R.T. -0.00 min
 Lab File: VN064429.D
 Acq: 4 Nov 2020 11:24

Tgt Ion: 74 Resp: 281230
 Ion Ratio Lower Upper
 74 100
 45 113.0 55.9 167.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 103.137 ug/l

RT: 3.71 min Scan# 614

Delta R.T. -0.00 min

Lab File: VN064429.D

Acq: 4 Nov 2020 11:24

Instrument :

MSVOA_N

ClientSampleId :

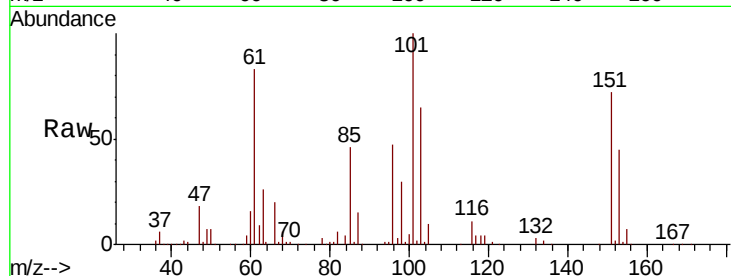
Tot Ion:101 Resp: 371762

Ion Ratio Lower Upper

101 100

85 47.7 38.6 57.8

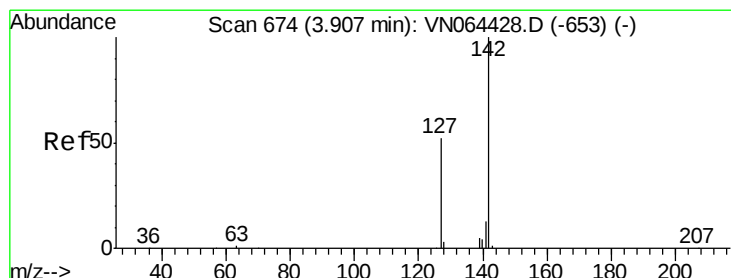
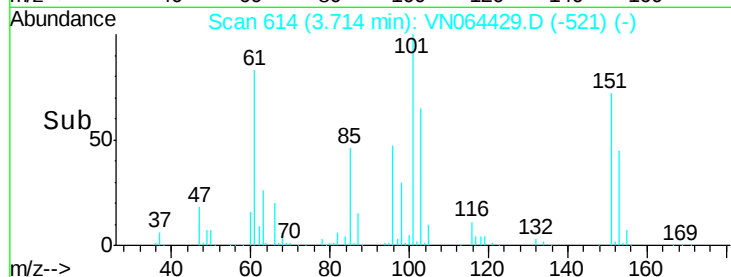
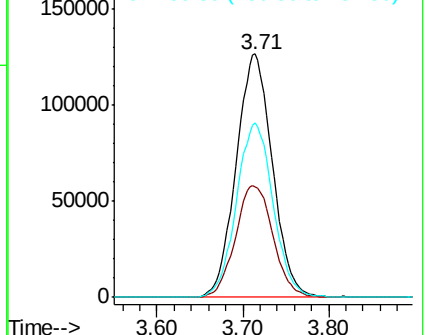
151 72.4 57.5 86.3



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 102.794 ug/l

RT: 3.91 min Scan# 674

Delta R.T. -0.00 min

Lab File: VN064429.D

Acq: 4 Nov 2020 11:24

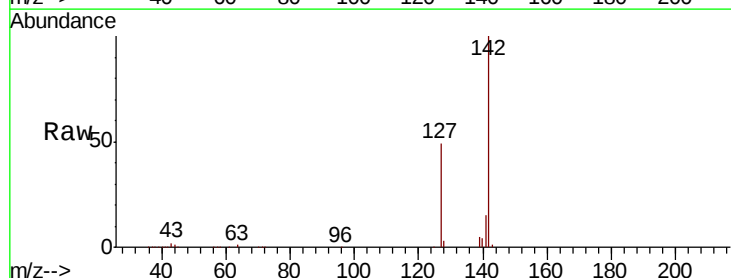
Tgt Ion:142 Resp: 483514

Ion Ratio Lower Upper

142 100

127 50.1 41.8 62.8

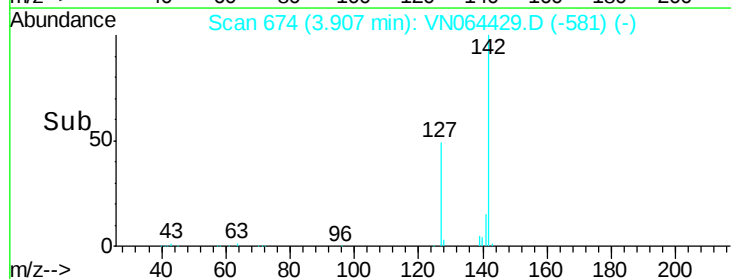
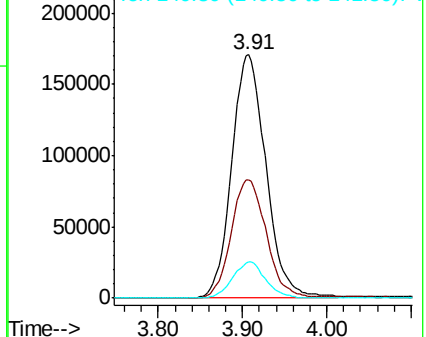
141 14.6 11.4 17.2

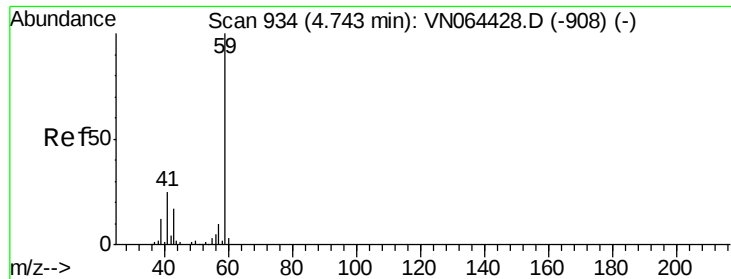


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



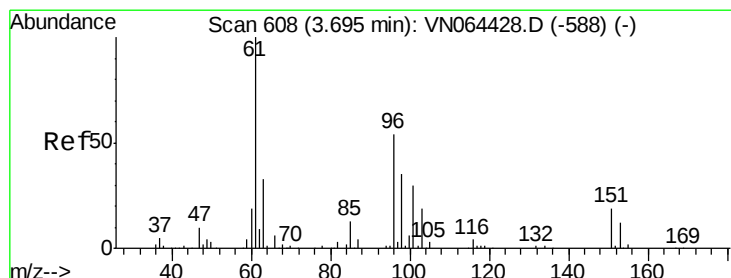
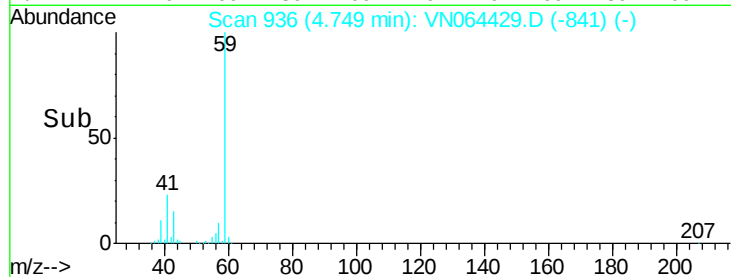
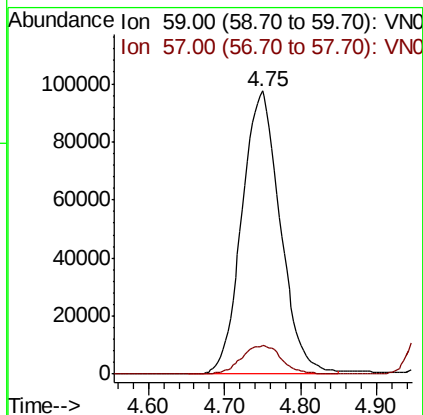
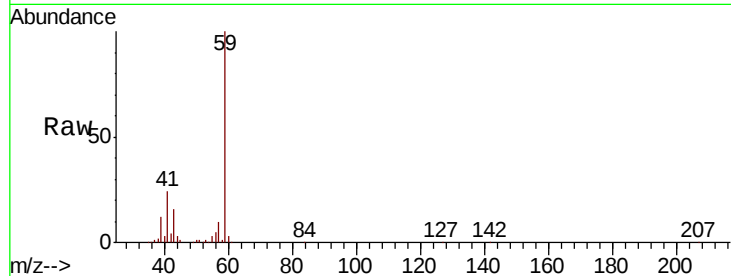


#11

Tert butyl alcohol
Concen: 433.780 ug/l
RT: 4.75 min Scan# 936
Delta R.T. 0.01 min
Lab File: VN064429.D
Acq: 4 Nov 2020 11:24

Instrument :
MSVOA_N
ClientSampled :

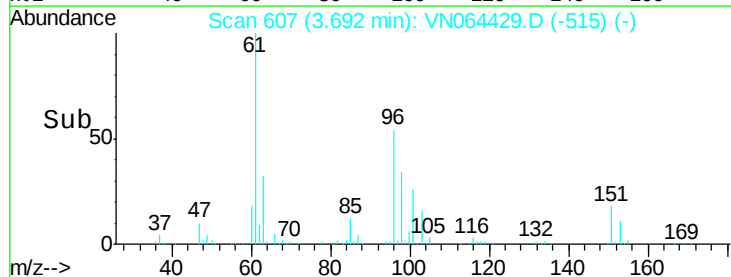
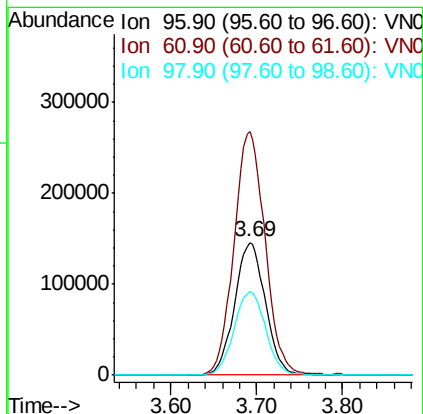
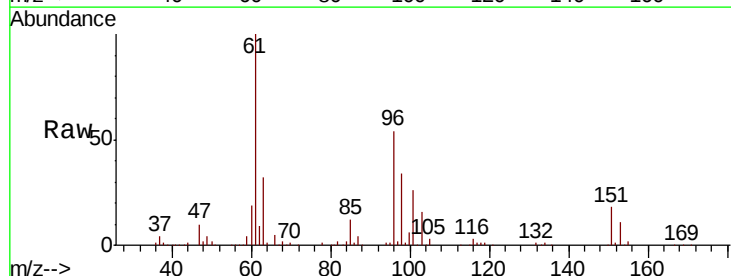
Tot Ion: 59 Resp: 342260
Ion Ratio Lower Upper
59 100
57 10.6 9.0 13.4

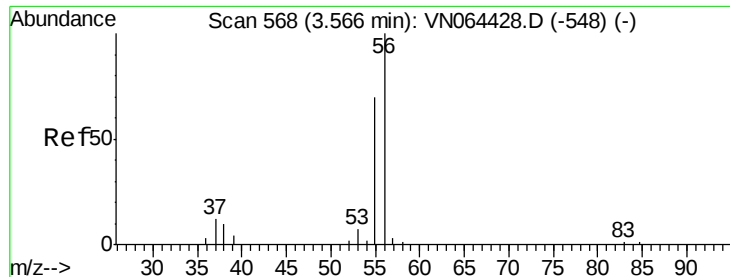


#12

1,1-Dichloroethene
Concen: 106.982 ug/l
RT: 3.69 min Scan# 607
Delta R.T. -0.00 min
Lab File: VN064429.D
Acq: 4 Nov 2020 11:24

Tgt Ion: 96 Resp: 364165
Ion Ratio Lower Upper
96 100
61 184.0 149.5 224.3
98 63.0 52.4 78.6





#13

Acrolein

Concen: 927.148 ug/l

RT: 3.57 min Scan# 568

Delta R.T. -0.00 min

Lab File: VN064429.D

Acq: 4 Nov 2020 11:24

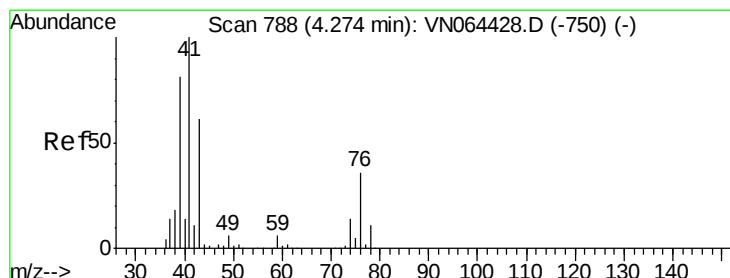
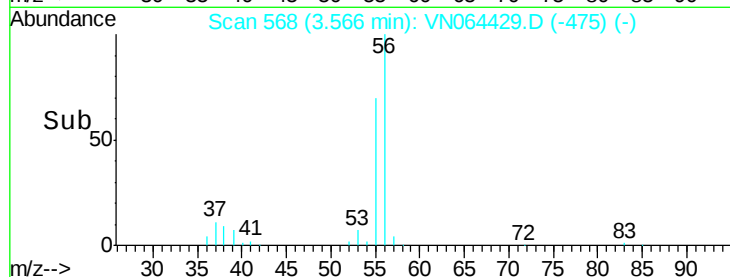
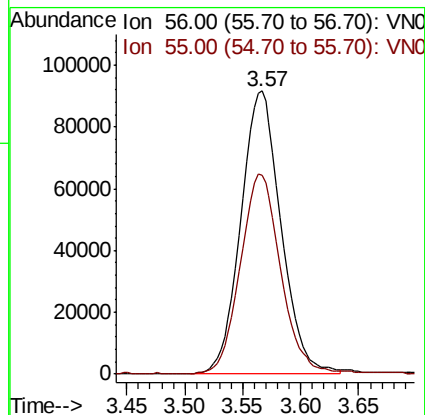
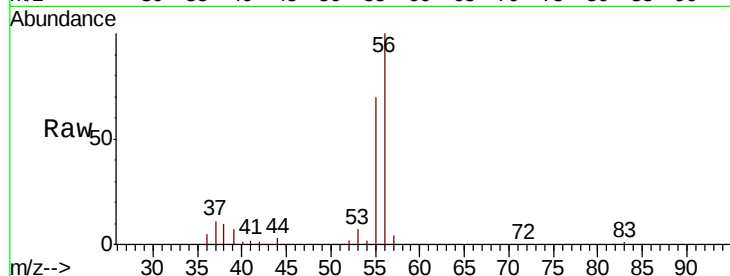
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 221575

Ion Ratio Lower Upper

56 100

55 70.1 55.9 83.9



#14

Allyl chloride

Concen: 104.260 ug/l

RT: 4.27 min Scan# 788

Delta R.T. -0.00 min

Lab File: VN064429.D

Acq: 4 Nov 2020 11:24

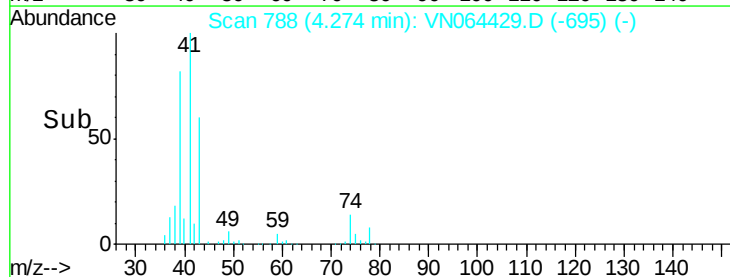
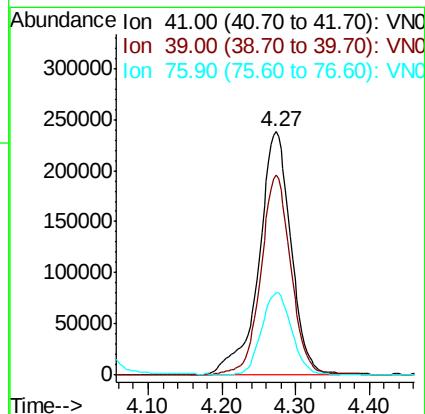
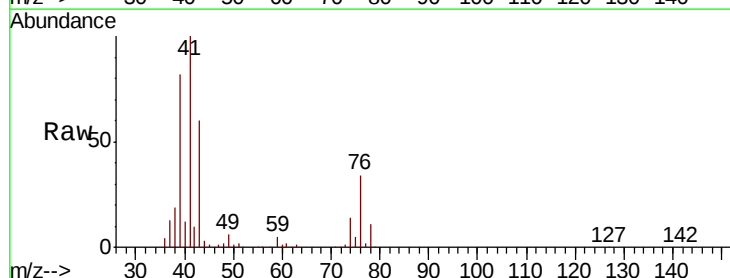
Tgt Ion: 41 Resp: 723030

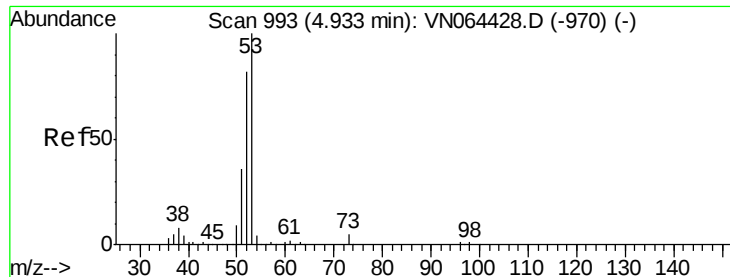
Ion Ratio Lower Upper

41 100

39 77.2 61.8 92.8

76 31.4 25.4 38.0





#15

Acrylonitrile

Concen: 562.382 ug/l

RT: 4.93 min Scan# 993

Delta R.T. -0.00 min

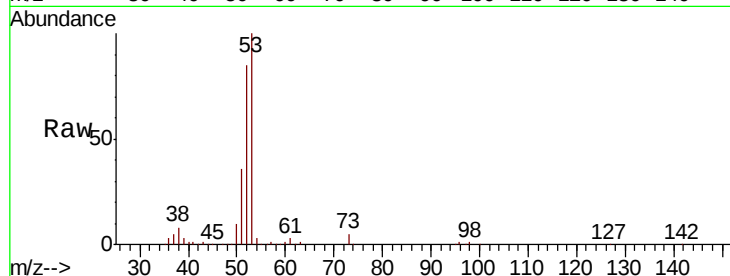
Lab File: VN064429.D

Acq: 4 Nov 2020 11:24

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 53 Resp: 1001790

Ion	Ratio	Lower	Upper
53	100		
52	83.4	65.6	98.4
51	37.4	29.9	44.9

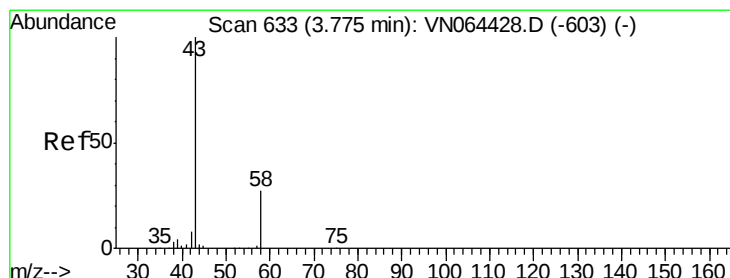
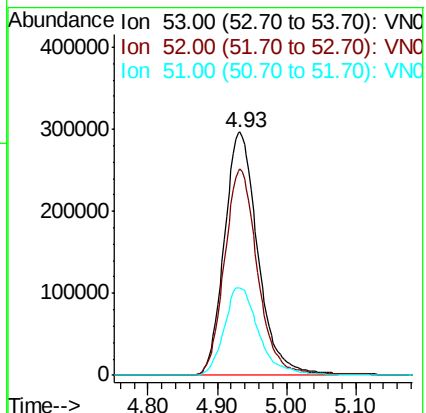
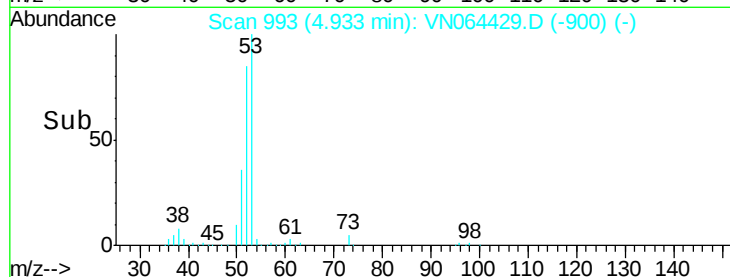


Abundance

Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 523.961 ug/l

RT: 3.78 min Scan# 633

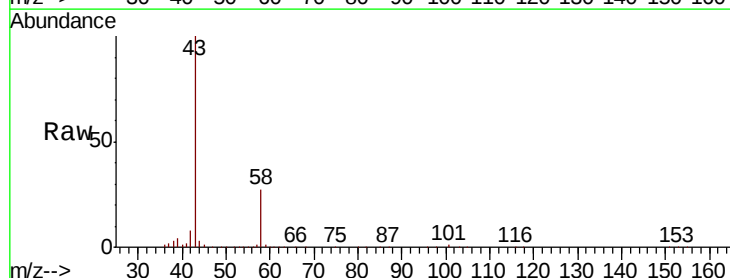
Delta R.T. -0.00 min

Lab File: VN064429.D

Acq: 4 Nov 2020 11:24

Tgt Ion: 43 Resp: 1107484

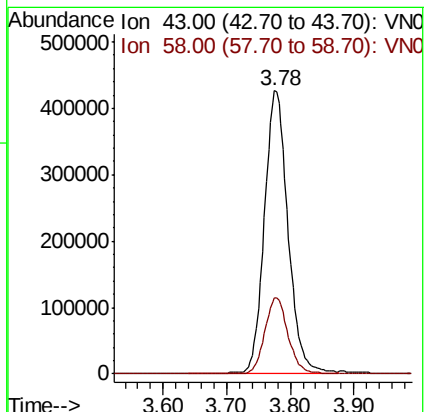
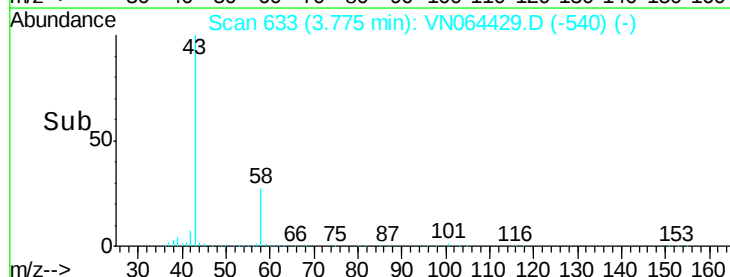
Ion	Ratio	Lower	Upper
43	100		
58	26.7	21.4	32.0

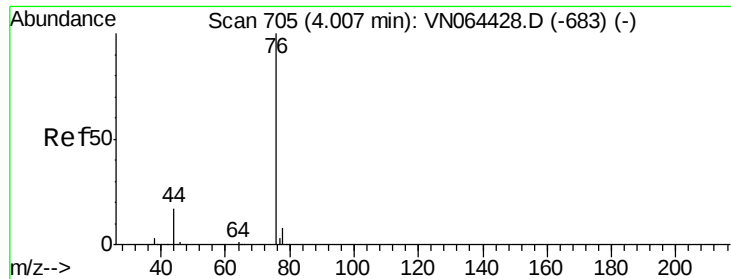


Abundance

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

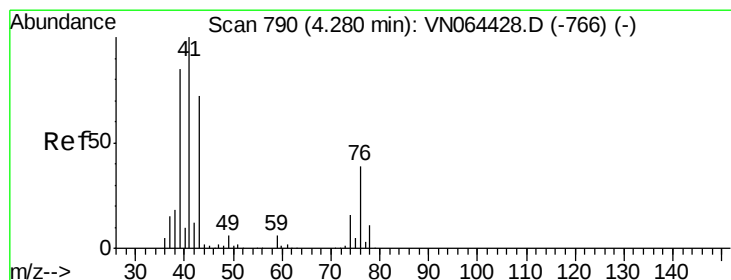
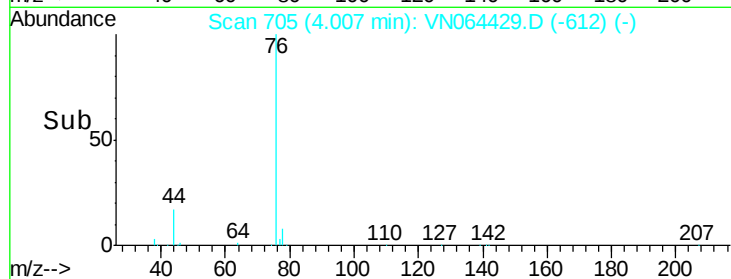
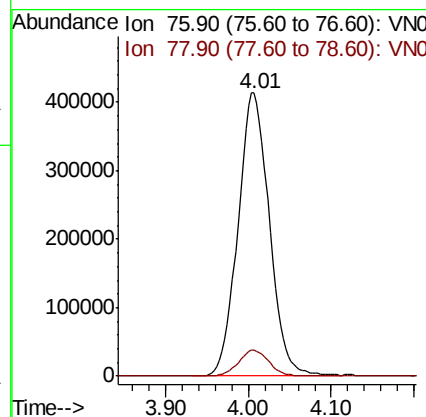
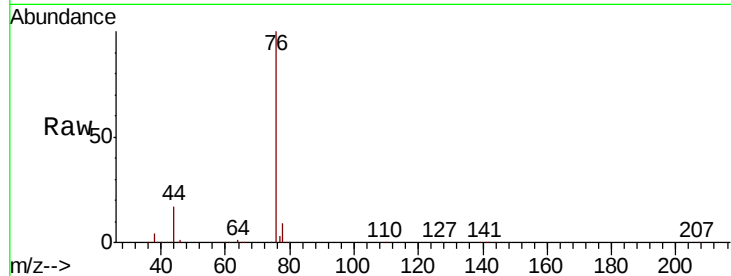




#17
Carbon Disulfide
Concen: 107.383 ug/l
RT: 4.01 min Scan# 705
Delta R.T. -0.00 min
Lab File: VN064429.D
Acq: 4 Nov 2020 11:24

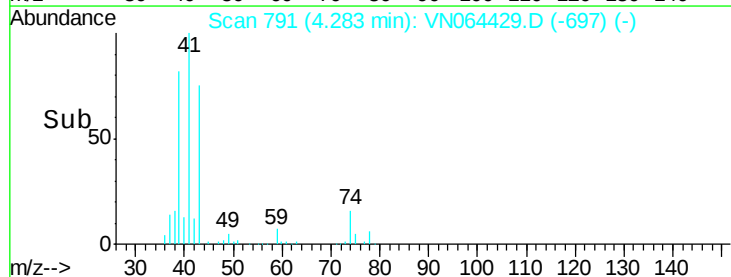
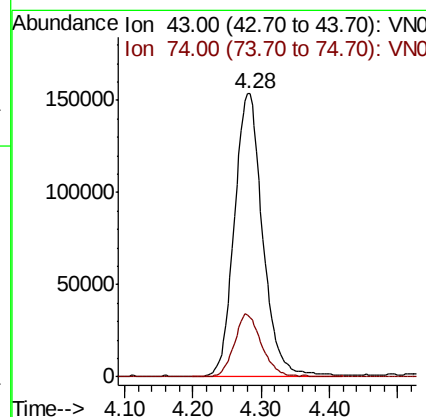
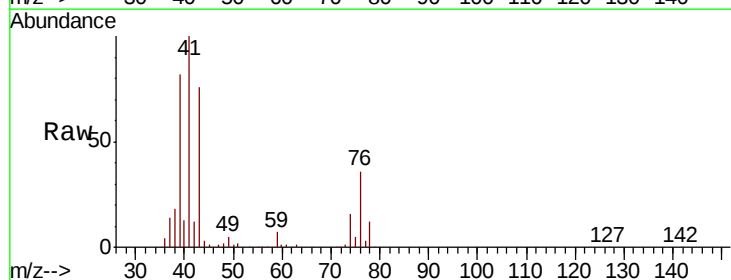
Instrument :
MSVOA_N
ClientSampleId :

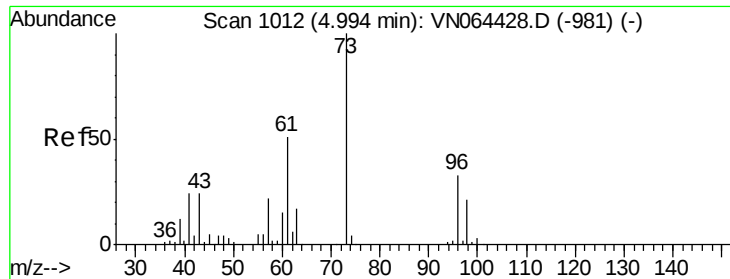
Tot Ion: 76 Resp: 1090399
Ion Ratio Lower Upper
76 100
78 9.2 6.8 10.2



#18
Methyl Acetate
Concen: 103.588 ug/l
RT: 4.28 min Scan# 791
Delta R.T. 0.00 min
Lab File: VN064429.D
Acq: 4 Nov 2020 11:24

Tgt Ion: 43 Resp: 439982
Ion Ratio Lower Upper
43 100
74 21.4 17.0 25.4

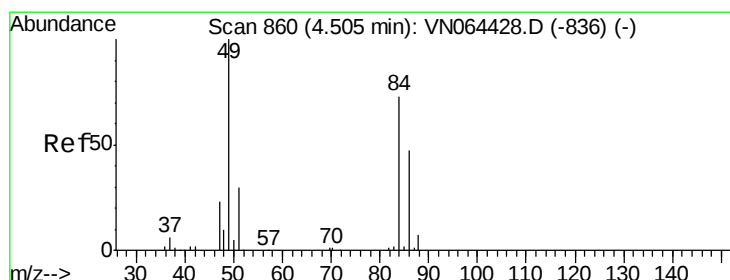
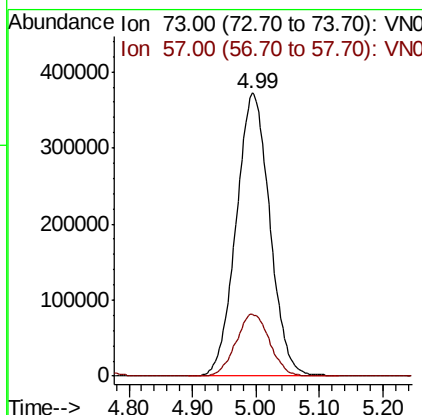
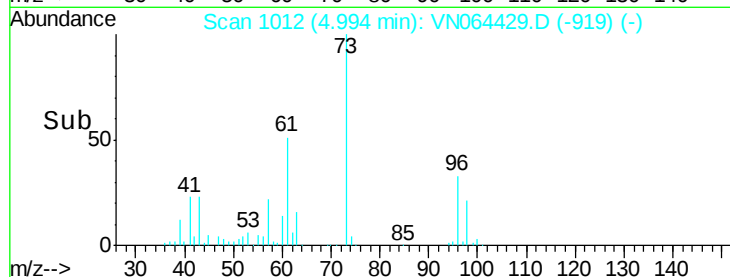
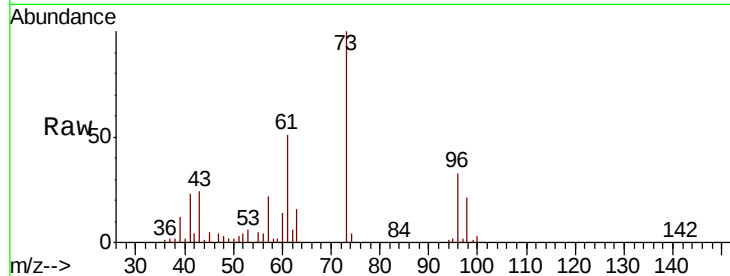




#19
Methyl tert-butyl Ether
Concen: 105.291 ug/l
RT: 4.99 min Scan# 1012
Delta R.T. -0.00 min
Lab File: VN064429.D
Acq: 4 Nov 2020 11:24

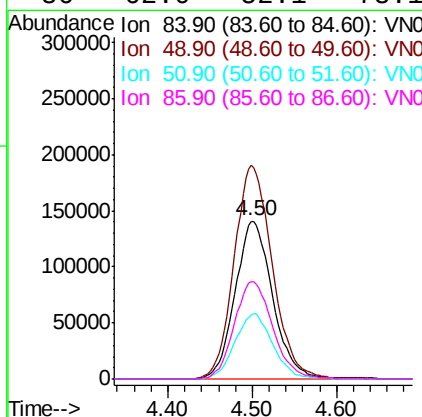
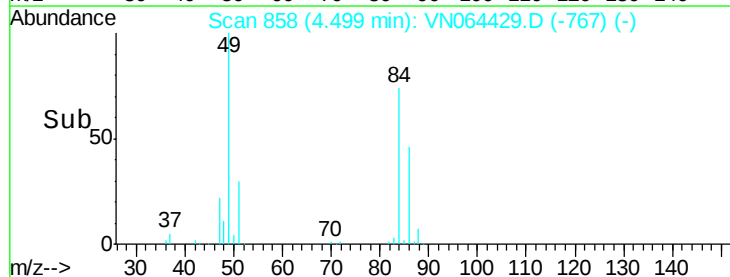
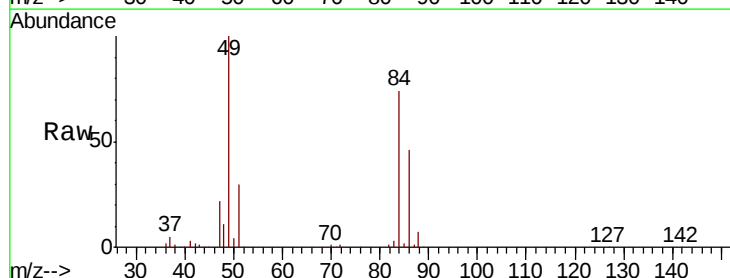
Instrument :
MSVOA_N
ClientSampled :

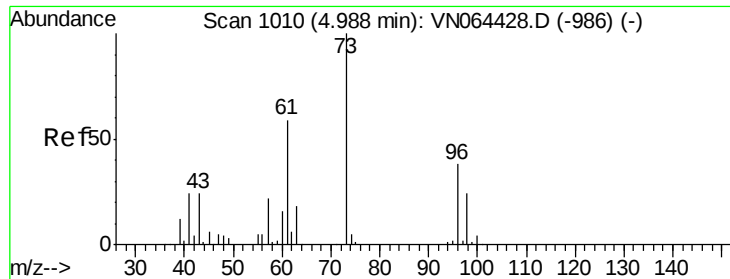
Tot Ion: 73 Resp: 1365312
Ion Ratio Lower Upper
73 100
57 21.9 17.7 26.5



#20
Methylene Chloride
Concen: 107.081 ug/l
RT: 4.50 min Scan# 858
Delta R.T. -0.01 min
Lab File: VN064429.D
Acq: 4 Nov 2020 11:24

Tgt Ion: 84 Resp: 435192
Ion Ratio Lower Upper
84 100
49 135.5 110.1 165.1
51 40.6 33.6 50.4
86 62.0 52.1 78.1



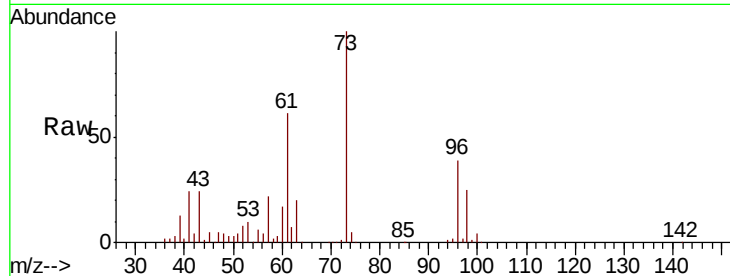


#21

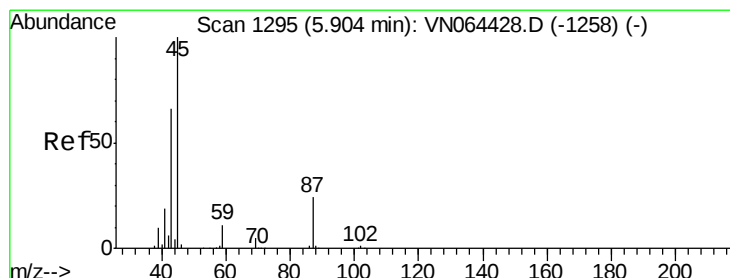
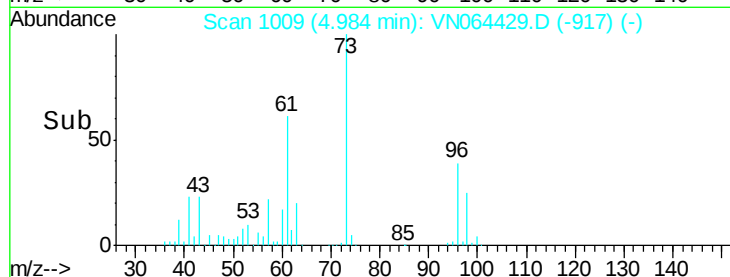
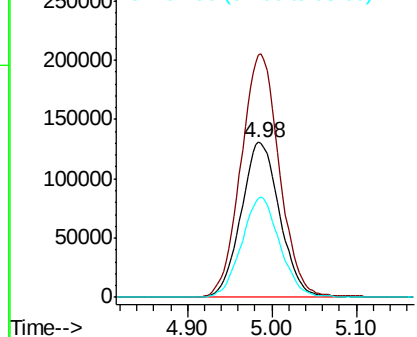
trans-1,2-Dichloroethene
Concen: 108.411 ug/l
RT: 4.98 min Scan# 1009
Delta R.T. -0.00 min
Lab File: VN064429.D
Acq: 4 Nov 2020 11:24

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 96 Resp: 415576
Ion Ratio Lower Upper
96 100
61 156.1 122.4 183.6
98 63.7 50.4 75.6



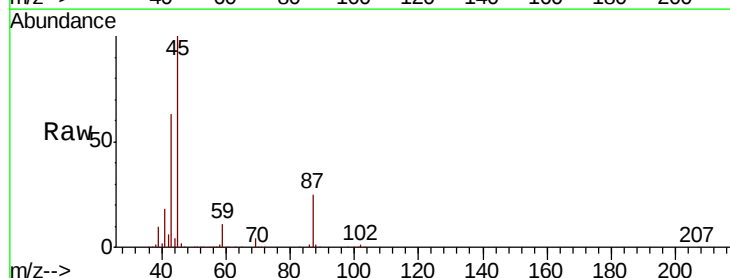
Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0



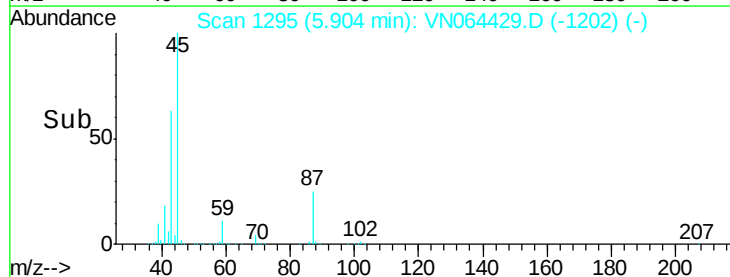
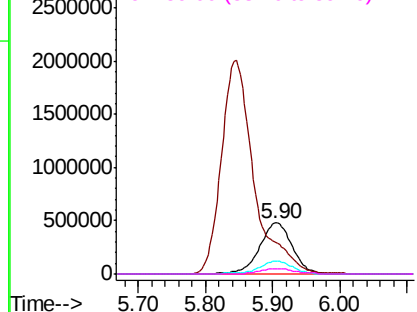
#22

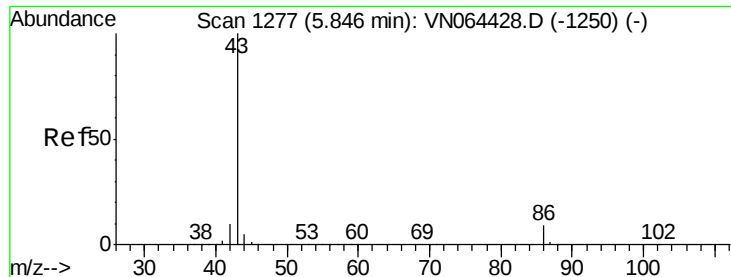
Diisopropyl ether
Concen: 117.101 ug/l
RT: 5.90 min Scan# 1295
Delta R.T. -0.00 min
Lab File: VN064429.D
Acq: 4 Nov 2020 11:24

Tgt Ion: 45 Resp: 1617229
Ion Ratio Lower Upper
45 100
43 62.2 53.2 79.8
87 24.8 19.9 29.9
59 10.7 8.6 13.0



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: 589.177 ug/l

RT: 5.85 min Scan# 1277

Delta R.T. -0.00 min

Lab File: VN064429.D

Acq: 4 Nov 2020 11:24

Instrument :

MSVOA_N

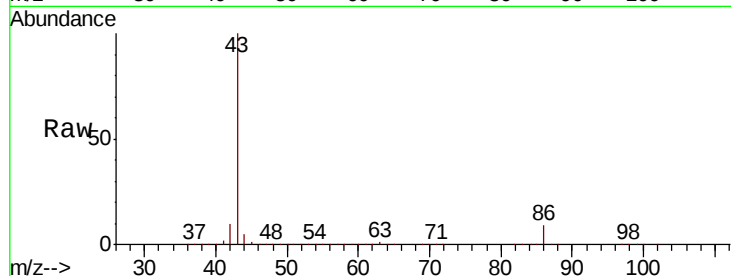
ClientSampled :

Tot Ion: 43 Resp: 6807317

Ion Ratio Lower Upper

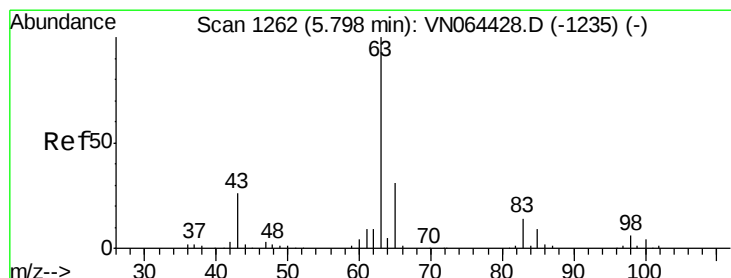
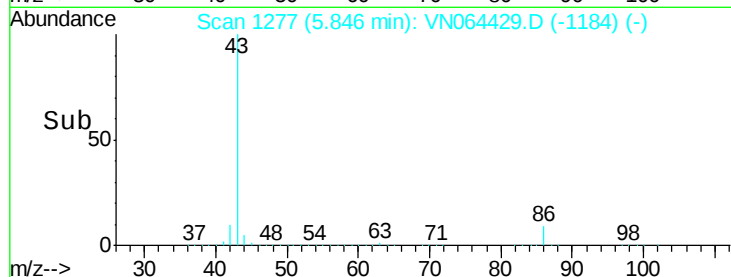
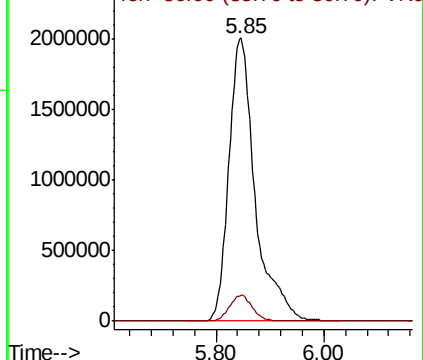
43 100

86 9.1 6.8 10.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 108.554 ug/l

RT: 5.80 min Scan# 1262

Delta R.T. -0.00 min

Lab File: VN064429.D

Acq: 4 Nov 2020 11:24

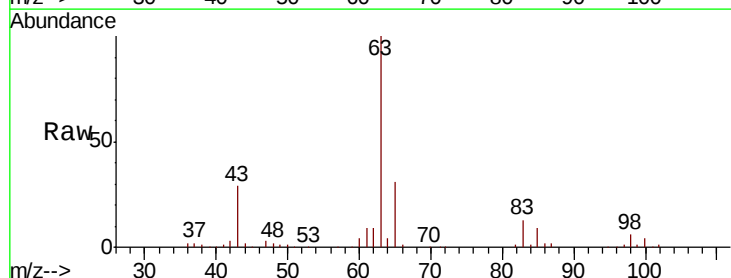
Tgt Ion: 63 Resp: 831492

Ion Ratio Lower Upper

63 100

98 6.1 3.0 9.2

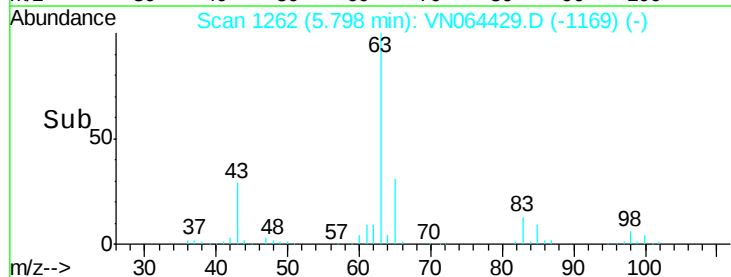
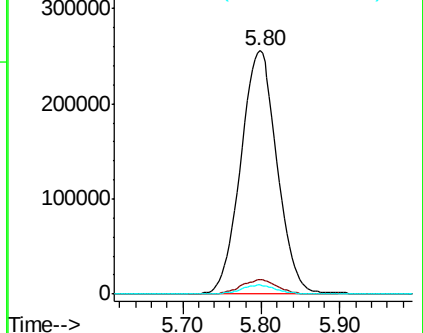
100 3.7 1.8 5.3

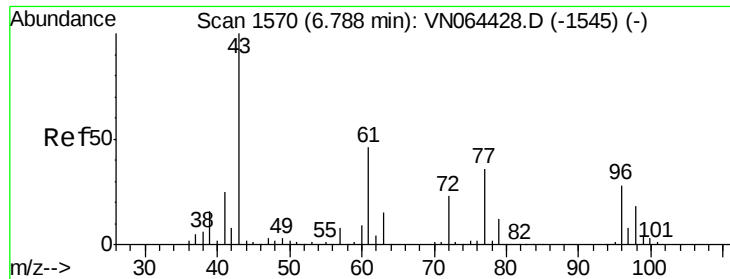


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 543.377 ug/l

RT: 6.79 min Scan# 1570

Delta R.T. -0.00 min

Lab File: VN064429.D

Acq: 4 Nov 2020 11:24

Instrument :

MSVOA_N

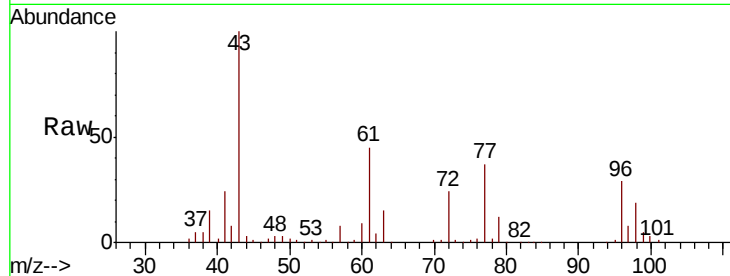
ClientSampleId :

Tot Ion: 43 Resp: 1557616

Ion Ratio Lower Upper

43 100

72 24.2 18.5 27.7



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

6.79

500000

400000

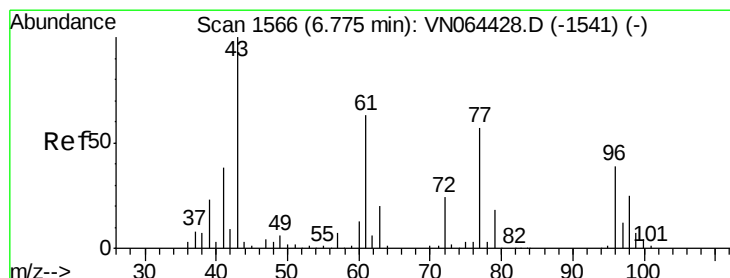
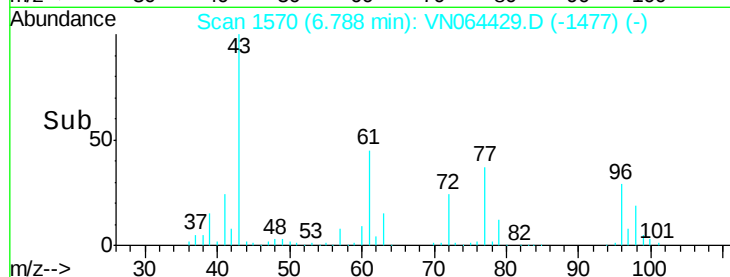
300000

200000

100000

0

Time-->



#26

2,2-Dichloropropane

Concen: 104.563 ug/l

RT: 6.78 min Scan# 1566

Delta R.T. -0.00 min

Lab File: VN064429.D

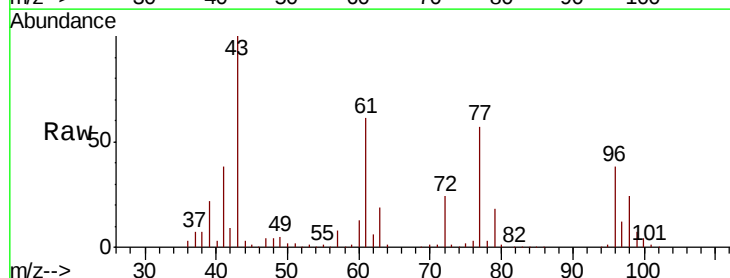
Acq: 4 Nov 2020 11:24

Tgt Ion: 77 Resp: 772530

Ion Ratio Lower Upper

77 100

97 20.5 10.2 30.6



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0

6.78

250000

200000

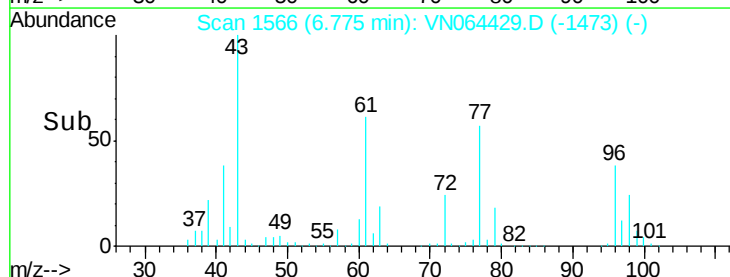
150000

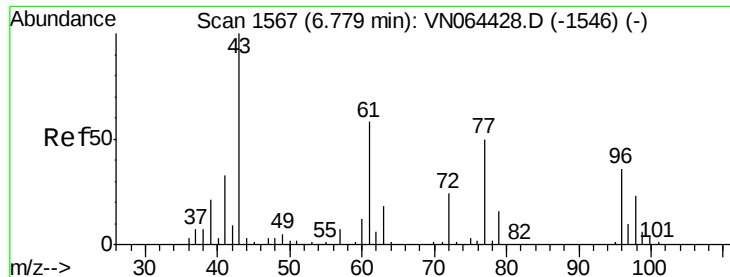
100000

50000

0

Time-->





#27

cis-1,2-Dichloroethene

Concen: 112.477 ug/l

RT: 6.78 min Scan# 1568

Delta R.T. 0.00 min

Lab File: VN064429.D

Acq: 4 Nov 2020 11:24

Instrument :

MSVOA_N

ClientSampleId :

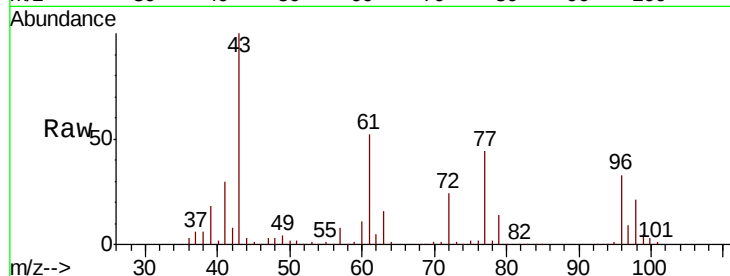
Tot Ion: 96 Resp: 492355

Ion Ratio Lower Upper

96 100

61 161.4 0.0 329.6

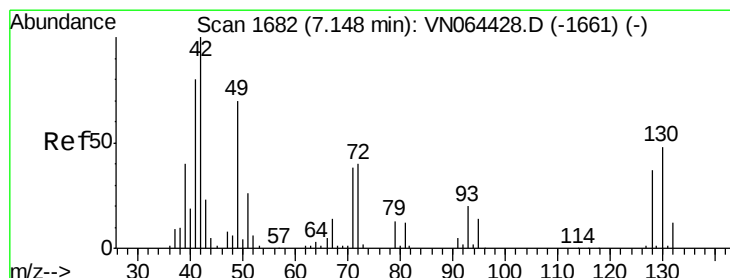
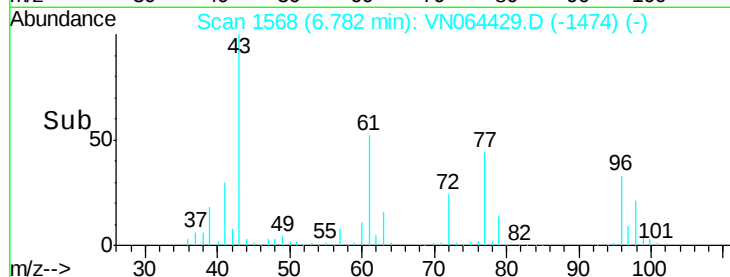
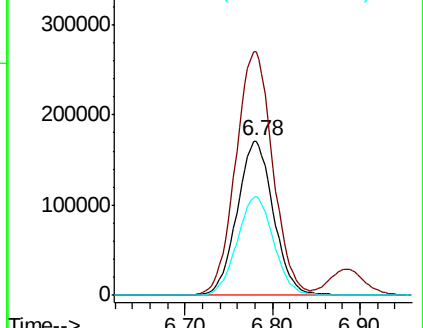
98 64.3 0.0 131.2



Abundance Ion 95.90 (95.60 to 96.60): VN064429.D (-1474) (-)

Ion 60.90 (60.60 to 61.60): VN064429.D (-1474) (-)

Ion 97.90 (97.60 to 98.60): VN064429.D (-1474) (-)



#28

Bromochloromethane

Concen: 121.675 ug/l

RT: 7.15 min Scan# 1683

Delta R.T. 0.00 min

Lab File: VN064429.D

Acq: 4 Nov 2020 11:24

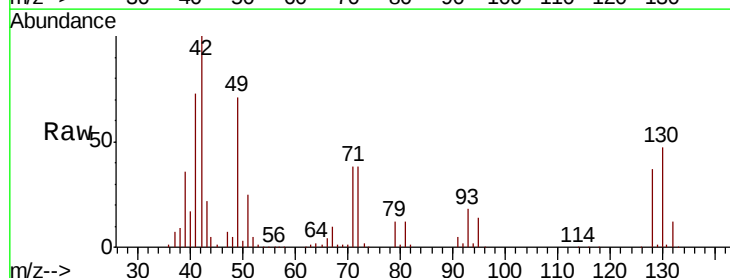
Tgt Ion: 49 Resp: 433076

Ion Ratio Lower Upper

49 100

129 1.8 0.0 3.6

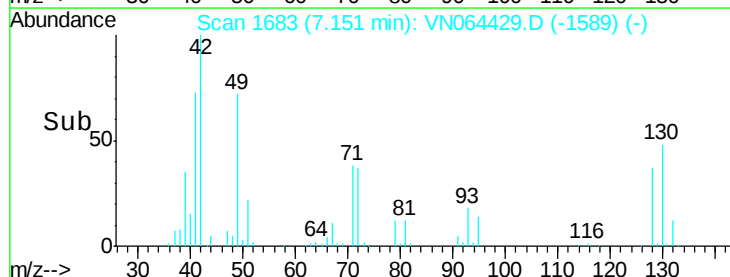
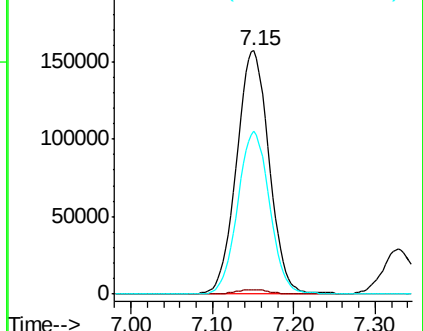
130 65.6 54.2 81.4

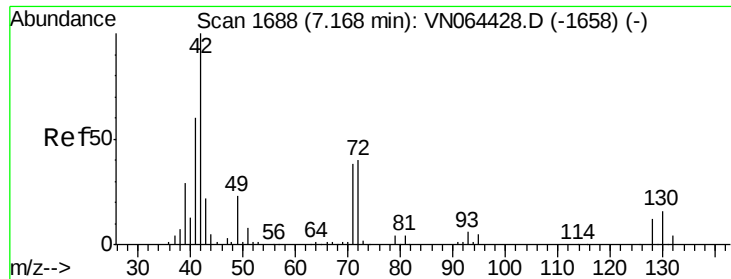


Abundance Ion 48.90 (48.60 to 49.60): VN064429.D (-1589) (-)

Ion 128.80 (128.50 to 129.50): VN064429.D (-1589) (-)

Ion 129.80 (129.50 to 130.50): VN064429.D (-1589) (-)

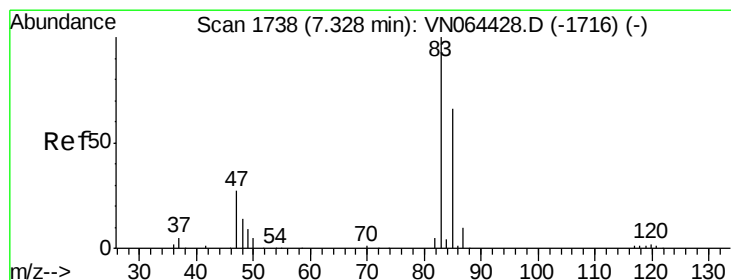
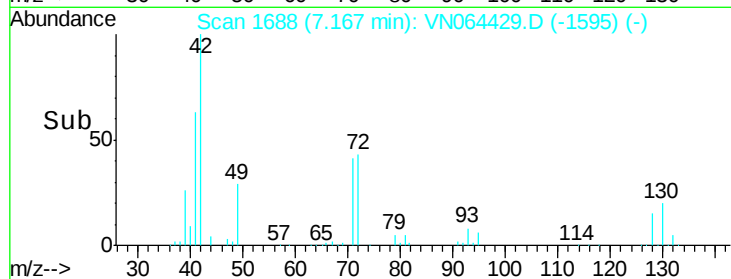
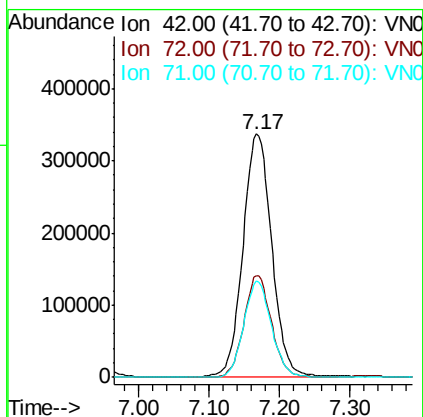
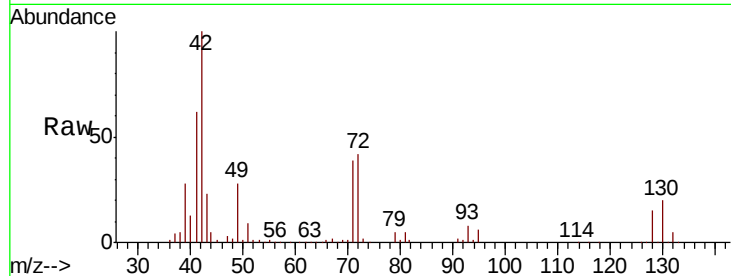




#29
Tetrahydrofuran
Concen: 522.864 ug/l
RT: 7.17 min Scan# 1688
Delta R.T. -0.00 min
Lab File: VN064429.D
Acq: 4 Nov 2020 11:24

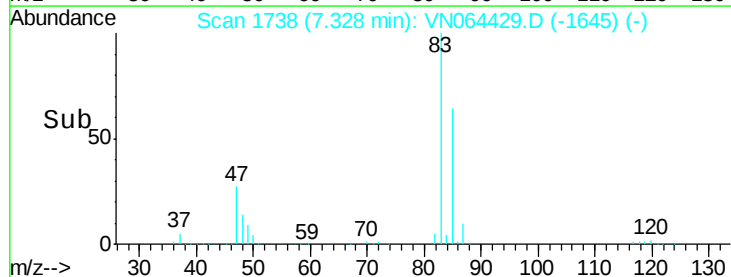
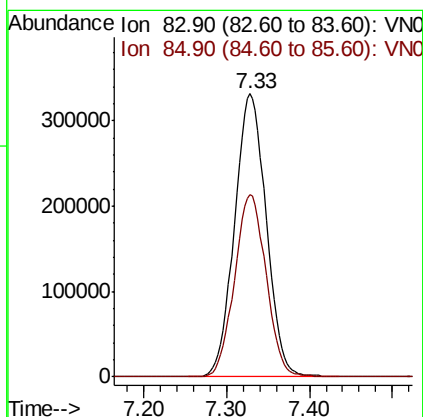
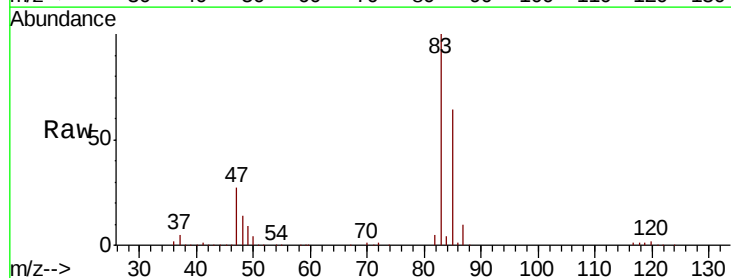
Instrument :
MSVOA_N
ClientSampled :

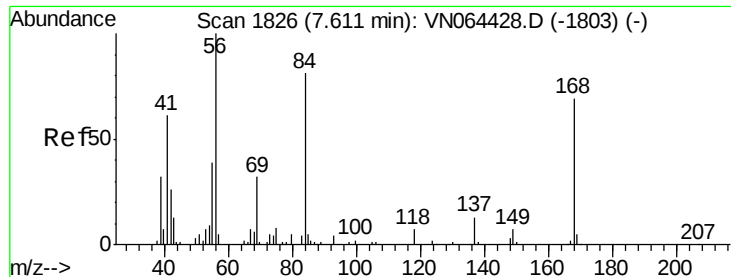
Tot Ion: 42 Resp: 959148
Ion Ratio Lower Upper
42 100
72 39.8 31.7 47.5
71 38.0 29.8 44.6



#30
Chloroform
Concen: 107.657 ug/l
RT: 7.33 min Scan# 1738
Delta R.T. -0.00 min
Lab File: VN064429.D
Acq: 4 Nov 2020 11:24

Tgt Ion: 83 Resp: 880304
Ion Ratio Lower Upper
83 100
85 64.3 52.5 78.7

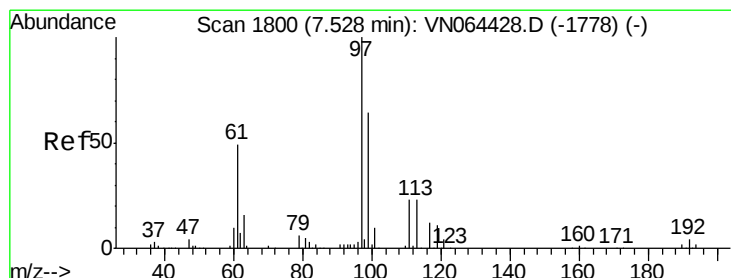
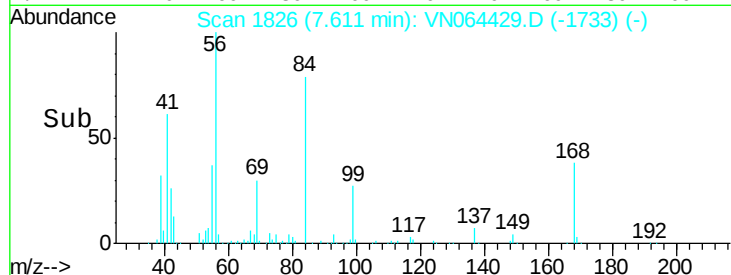
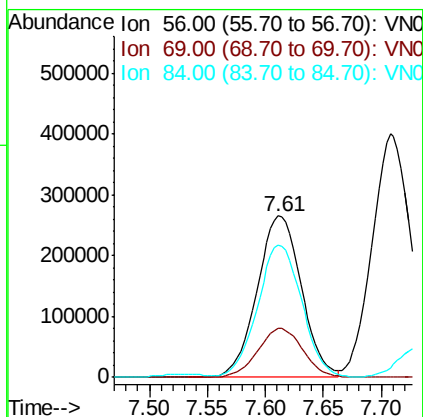
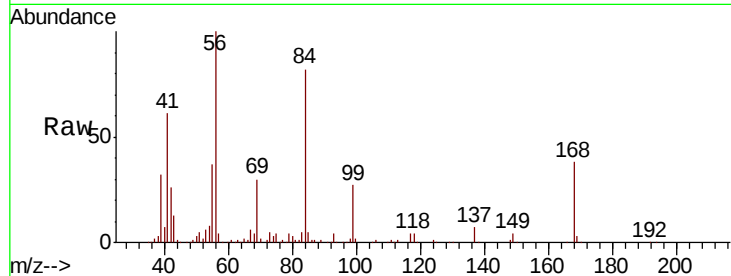




#31
Cyclohexane
Concen: 105.228 ug/l
RT: 7.61 min Scan# 1826
Delta R.T. -0.00 min
Lab File: VN064429.D
Acq: 4 Nov 2020 11:24

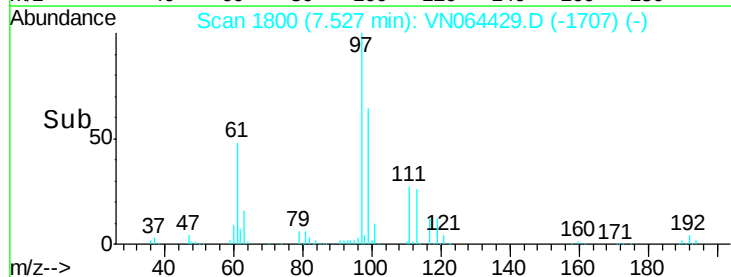
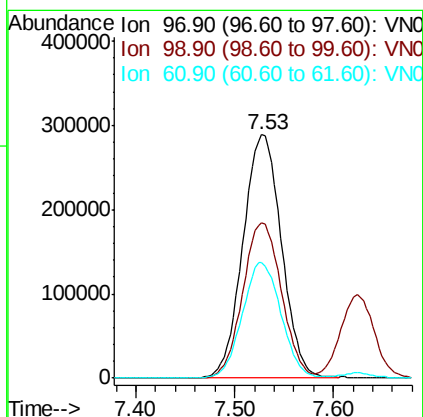
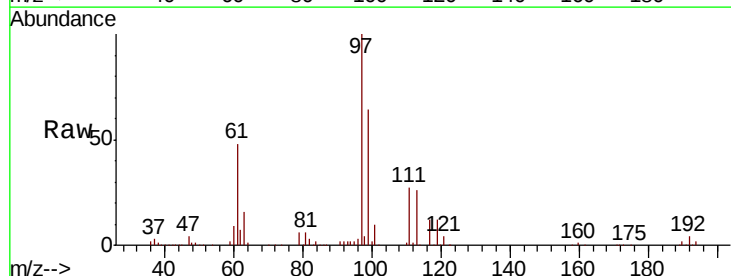
Instrument :
MSVOA_N
ClientSampleId :

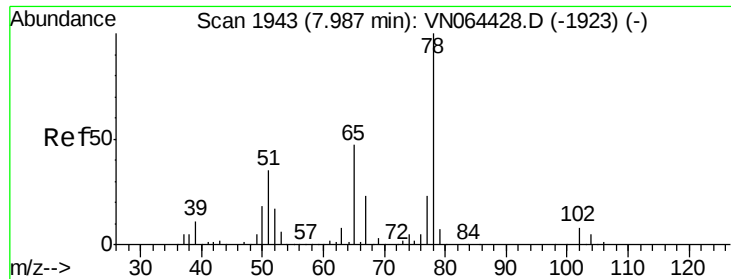
Tot Ion: 56 Resp: 707641
Ion Ratio Lower Upper
56 100
69 30.4 25.6 38.4
84 80.0 63.0 94.6



#32
1,1,1-Trichloroethane
Concen: 101.227 ug/l
RT: 7.53 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VN064429.D
Acq: 4 Nov 2020 11:24

Tgt Ion: 97 Resp: 781533
Ion Ratio Lower Upper
97 100
99 64.1 51.3 76.9
61 47.6 39.1 58.7





#33

1,2-Dichloroethane-d4

Concen: 104.548 ug/l

RT: 7.99 min Scan# 1943

Delta R.T. -0.00 min

Lab File: VN064429.D

Acq: 4 Nov 2020 11:24

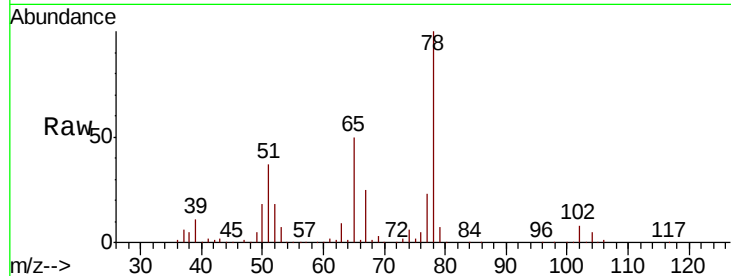
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 65 Resp: 593677

Ion Ratio Lower Upper

65 100

67 50.6 0.0 101.6



Abundance Ion 64.90 (64.60 to 65.60): VN064429.D (-1850) (-)

Ion 66.90 (66.60 to 67.60): VN064429.D (-1850) (-)

7.99

250000

200000

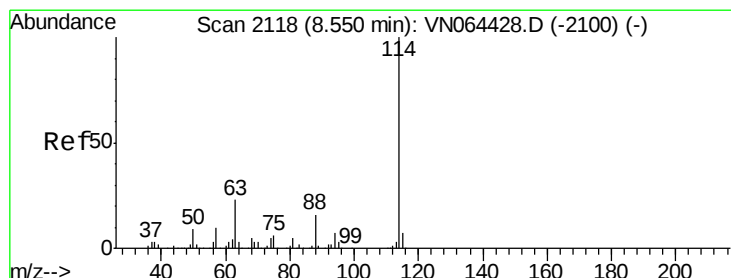
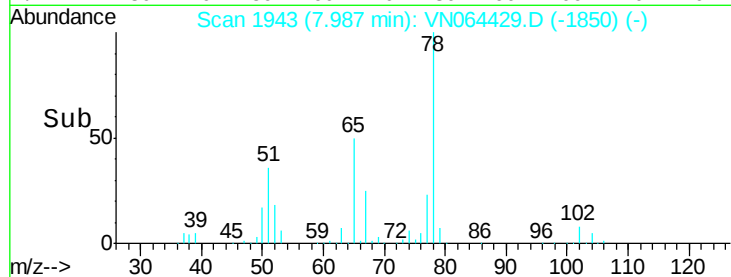
150000

100000

50000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2118

Delta R.T. -0.00 min

Lab File: VN064429.D

Acq: 4 Nov 2020 11:24

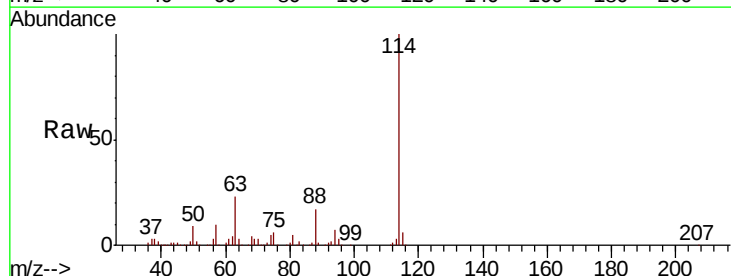
Tgt Ion: 114 Resp: 602472

Ion Ratio Lower Upper

114 100

63 23.3 0.0 45.6

88 16.8 0.0 32.8



Abundance Ion 113.90 (113.60 to 114.60): VN064429.D (-2025) (-)

Ion 63.00 (62.70 to 63.70): VN064429.D (-2025) (-)

Ion 87.90 (87.60 to 88.60): VN064429.D (-2025) (-)

8.55

400000

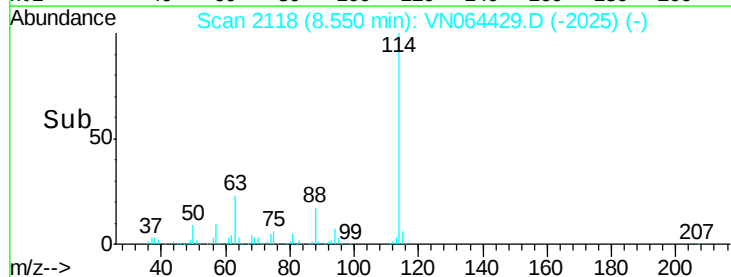
300000

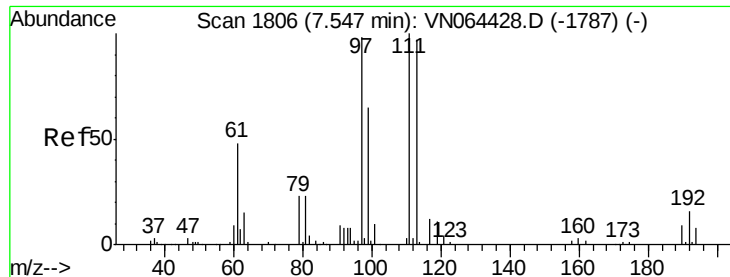
200000

100000

0

Time-->

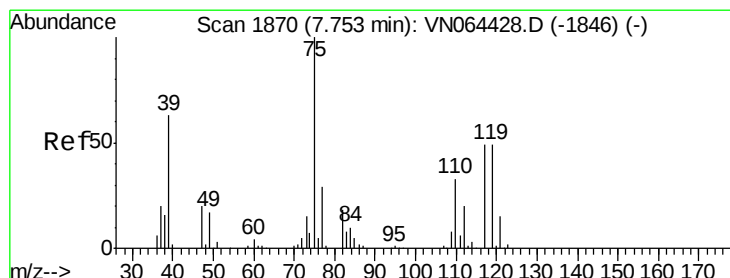
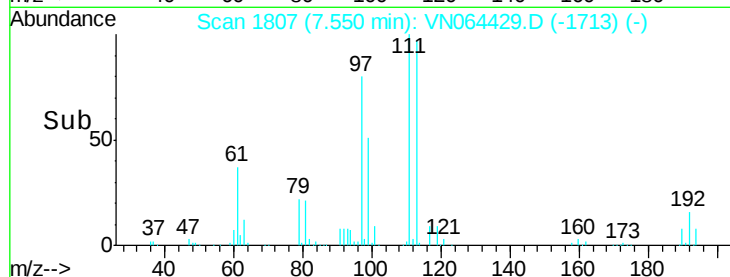
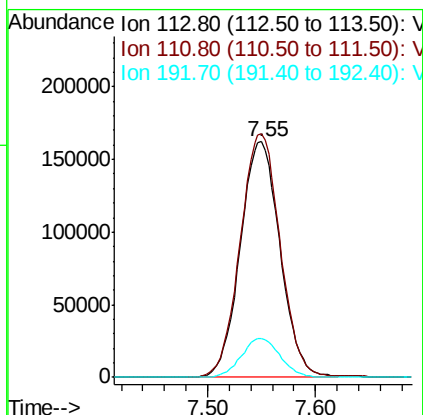
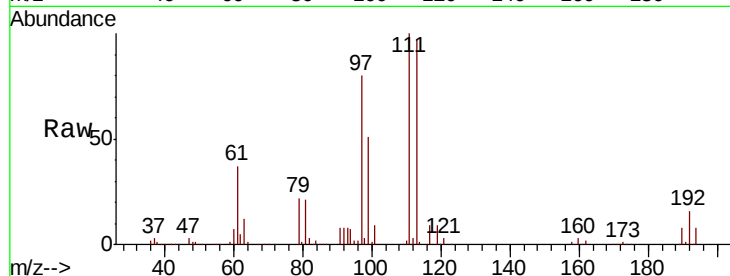




#35
 Dibromofluoromethane
 Concen: 103.575 ug/l
 RT: 7.55 min Scan# 1807
 Delta R.T. 0.00 min
 Lab File: VN064429.D
 Acq: 4 Nov 2020 11:24

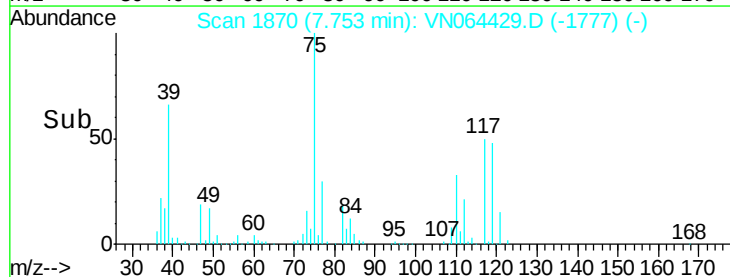
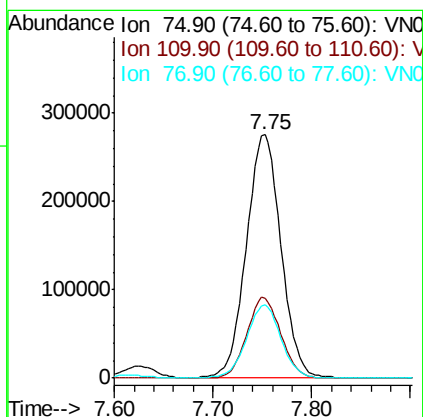
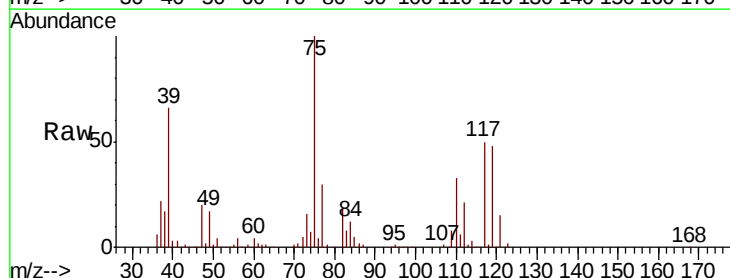
Instrument :
 MSVOA_N
 ClientSampleId :

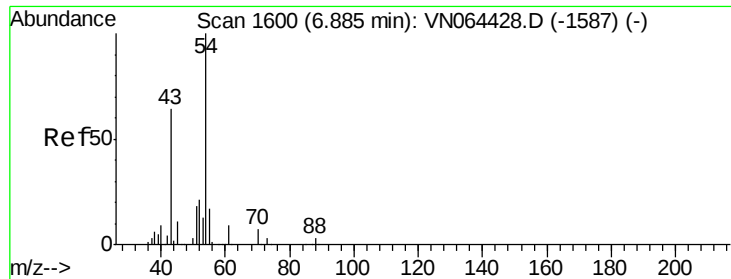
Tot Ion:113 Resp: 416423
 Ion Ratio Lower Upper
 113 100
 111 104.3 81.1 121.7
 192 16.2 12.8 19.2



#36
 1,1-Dichloropropene
 Concen: 107.157 ug/l
 RT: 7.75 min Scan# 1870
 Delta R.T. -0.00 min
 Lab File: VN064429.D
 Acq: 4 Nov 2020 11:24

Tgt Ion: 75 Resp: 665675
 Ion Ratio Lower Upper
 75 100
 110 32.5 16.0 48.0
 77 30.3 24.0 36.0

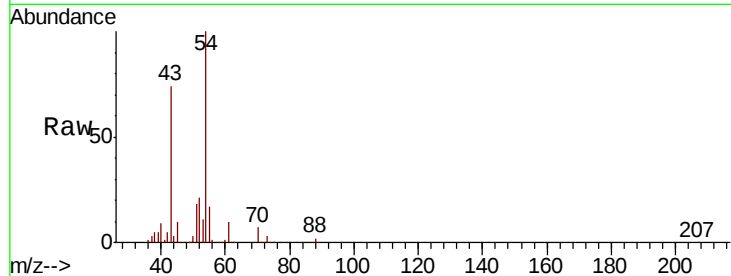




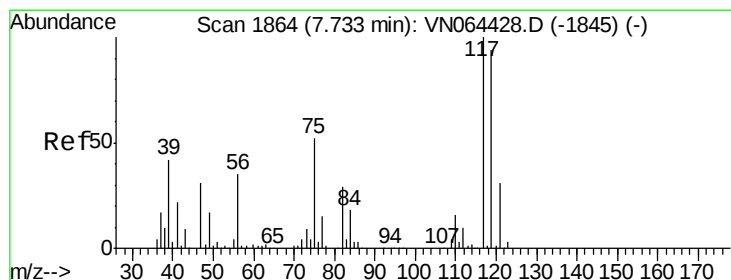
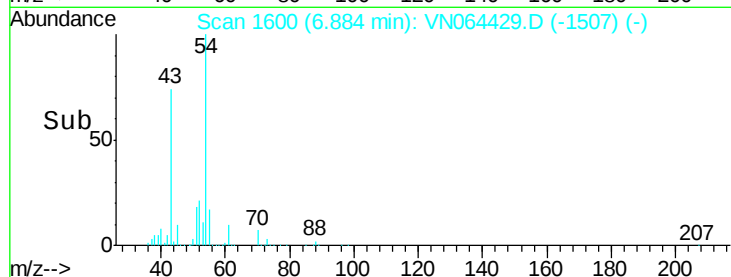
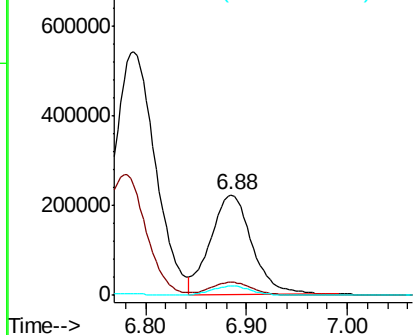
#37
Ethyl Acetate
Concen: 103.051 ug/l
RT: 6.88 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VN064429.D
Acq: 4 Nov 2020 11:24

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 638624
Ion Ratio Lower Upper
43 100
61 12.6 10.0 15.0
70 9.0 7.1 10.7

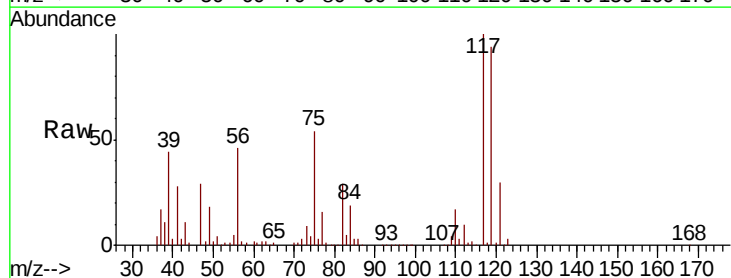


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

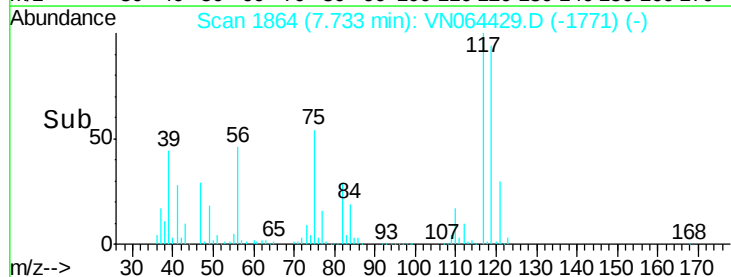
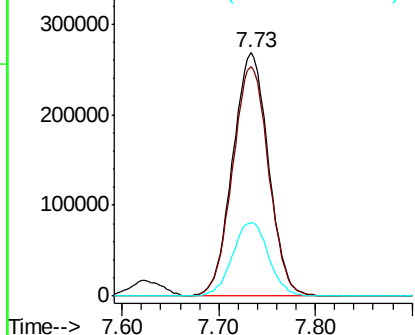


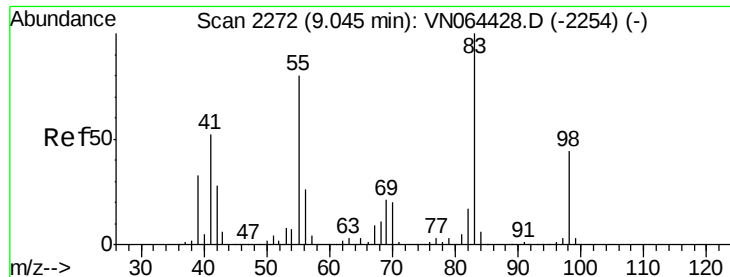
#38
Carbon Tetrachloride
Concen: 97.725 ug/l
RT: 7.73 min Scan# 1864
Delta R.T. -0.00 min
Lab File: VN064429.D
Acq: 4 Nov 2020 11:24

Tgt Ion: 117 Resp: 688407
Ion Ratio Lower Upper
117 100
119 94.1 75.5 113.3
121 30.2 24.4 36.6



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

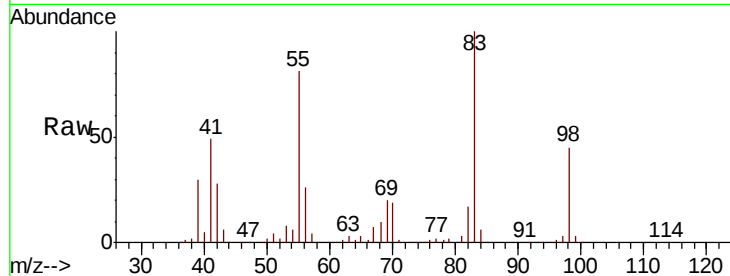




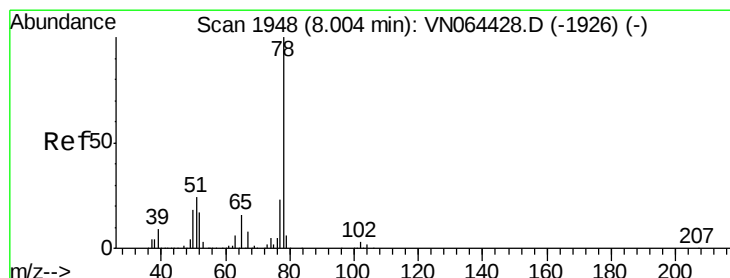
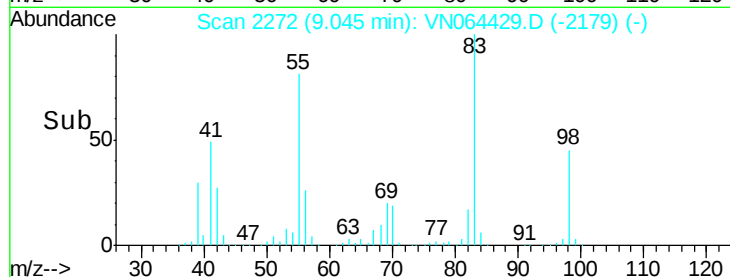
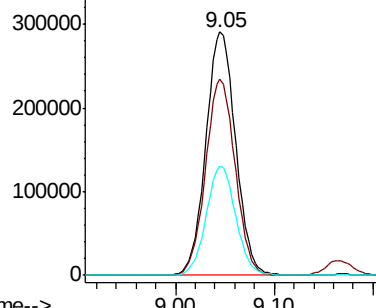
#39
Methvlcvclohexane
Concen: 100.334 ug/l
RT: 9.05 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN064429.D
Acq: 4 Nov 2020 11:24

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 83 Resp: 607889
Ion Ratio Lower Upper
83 100
55 80.8 63.8 95.6
98 44.8 35.4 53.2

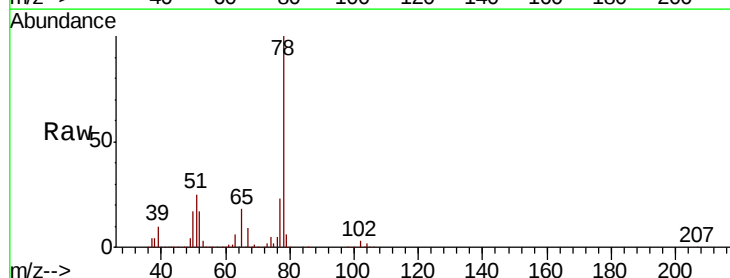


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

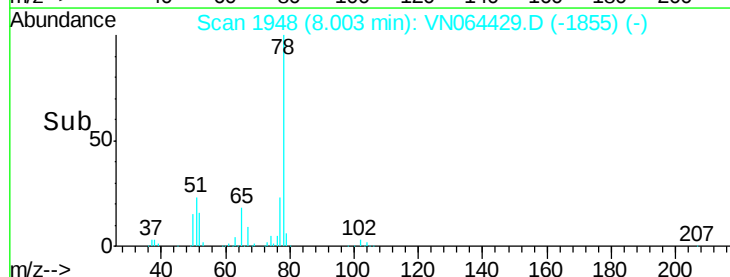
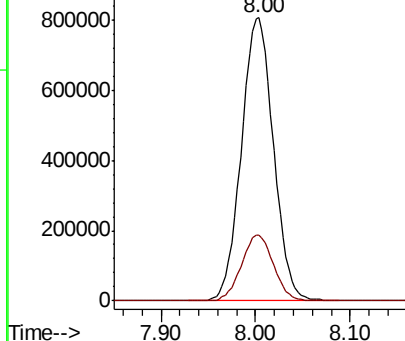


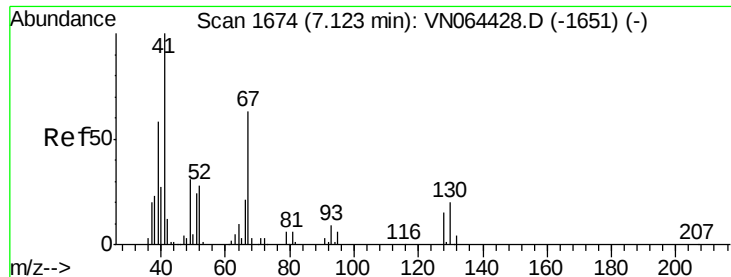
#40
Benzene
Concen: 109.002 ug/l
RT: 8.00 min Scan# 1948
Delta R.T. -0.00 min
Lab File: VN064429.D
Acq: 4 Nov 2020 11:24

Tgt Ion: 78 Resp: 1896861
Ion Ratio Lower Upper
78 100
77 23.2 18.7 28.1



Abundance Ion 78.00 (77.70 to 78.70): VN0
Ion 77.00 (76.70 to 77.70): VN0

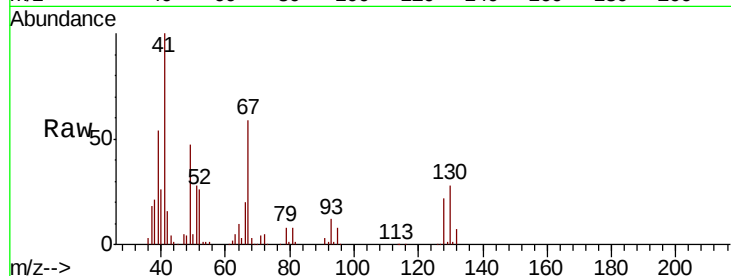




#41
Methacrylonitrile
Concen: 106.313 ug/l
RT: 7.13 min Scan# 1675
Delta R.T. 0.00 min
Lab File: VN064429.D
Acq: 4 Nov 2020 11:24

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:	41	Resp:	320894
Ion	Ratio	Lower	Upper
41	100		
39	56.3	50.0	75.0
67	72.3	68.3	102.5
52	32.9	32.7	49.1



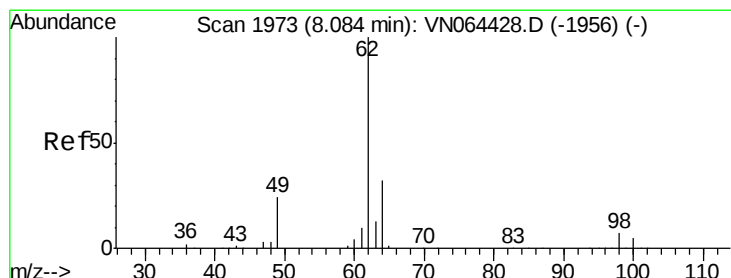
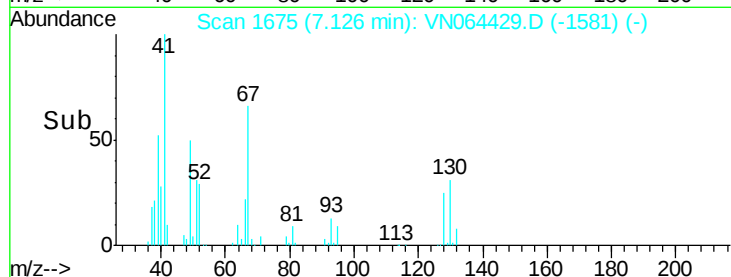
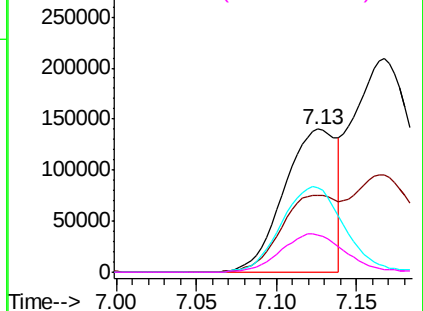
Abundance

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

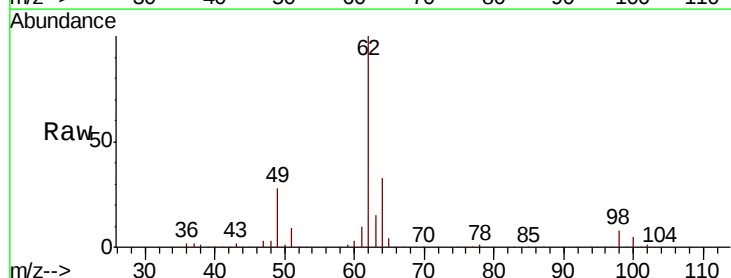
Ion 67.00 (66.70 to 67.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



#42
1,2-Dichloroethane
Concen: 101.637 ug/l
RT: 8.08 min Scan# 1973
Delta R.T. -0.00 min
Lab File: VN064429.D
Acq: 4 Nov 2020 11:24

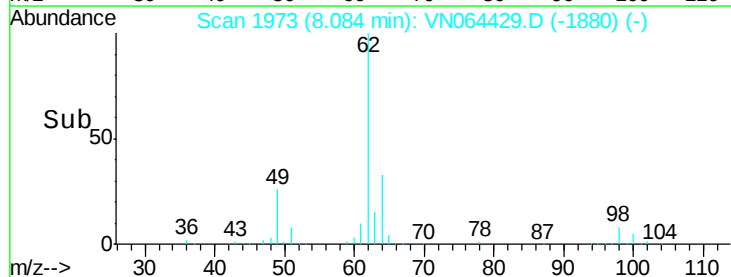
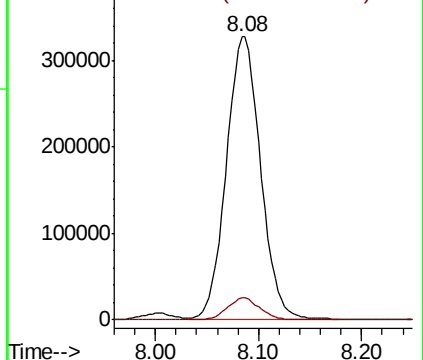
Tgt Ion:	62	Resp:	753061
Ion	Ratio	Lower	Upper
62	100		
98	7.4	0.0	14.0

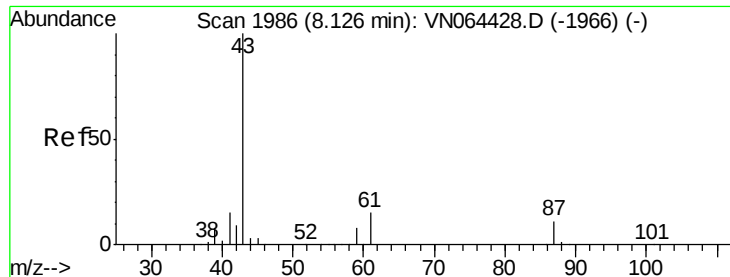


Abundance

Ion 61.90 (61.60 to 62.60): VN0

Ion 97.90 (97.60 to 98.60): VN0





#43

Isopropyl Acetate

Concen: 104.183 ug/l

RT: 8.13 min Scan# 1986

Delta R.T. -0.00 min

Lab File: VN064429.D

Acq: 4 Nov 2020 11:24

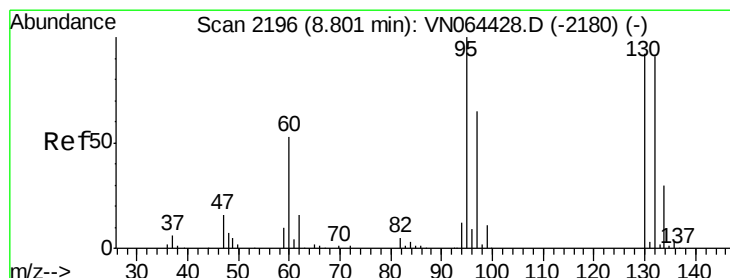
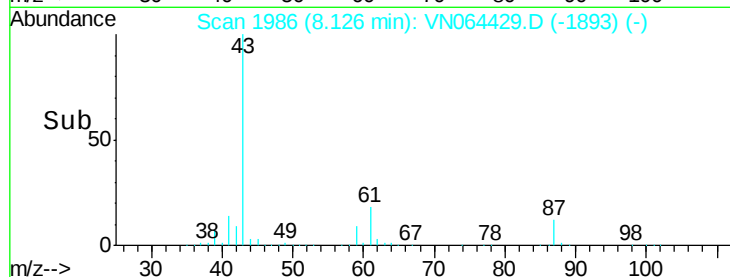
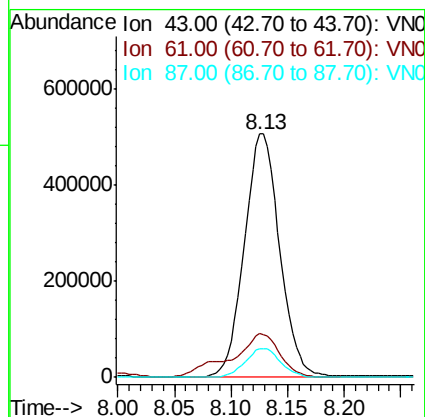
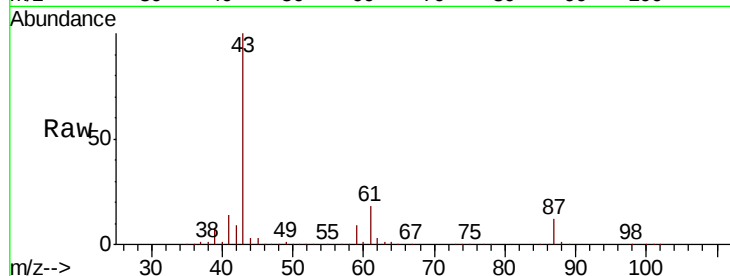
Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 43 Resp: 1101549

Ion	Ratio	Lower	Upper
43	100		
61	24.5	14.0	21.0#
87	11.8	9.1	13.7



#44

Trichloroethene

Concen: 105.350 ug/l

RT: 8.80 min Scan# 2196

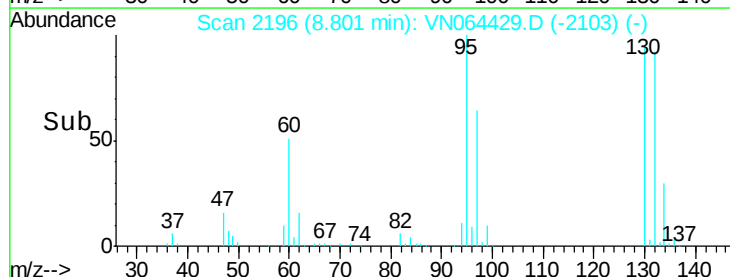
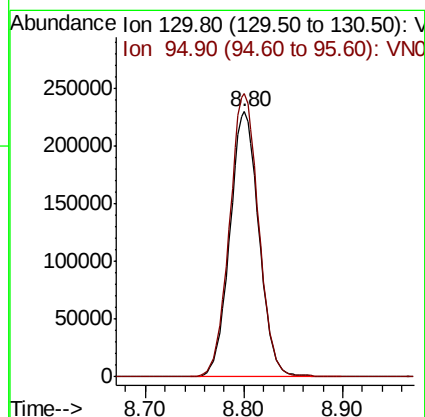
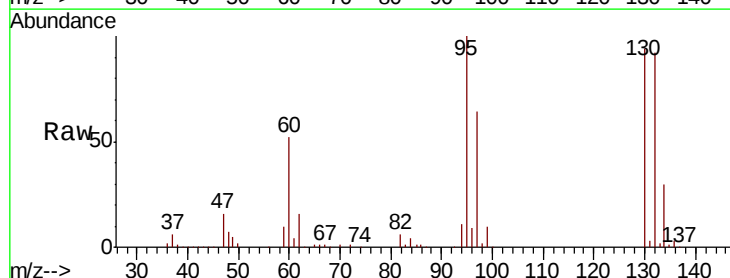
Delta R.T. -0.00 min

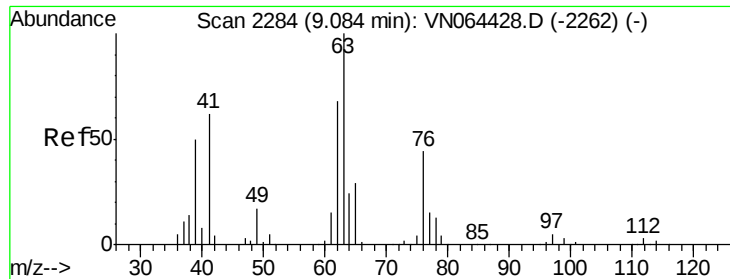
Lab File: VN064429.D

Acq: 4 Nov 2020 11:24

Tgt Ion:130 Resp: 473277

Ion	Ratio	Lower	Upper
130	100		
95	106.9	0.0	216.8





#45

1,2-Dichloropropane

Concen: 108.438 ug/l

RT: 9.08 min Scan# 2284

Delta R.T. -0.00 min

Lab File: VN064429.D

Acq: 4 Nov 2020 11:24

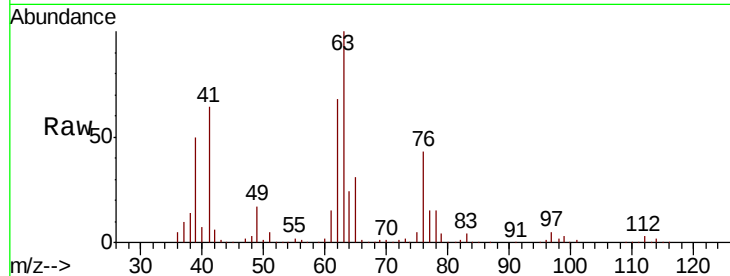
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 63 Resp: 506151

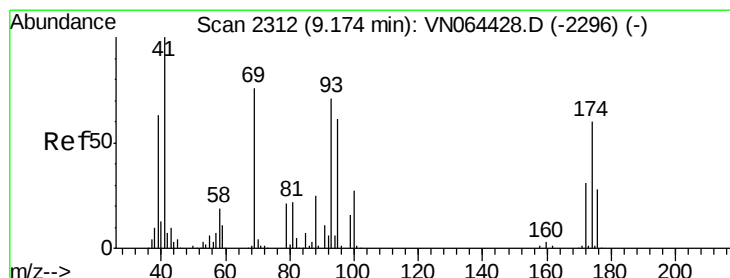
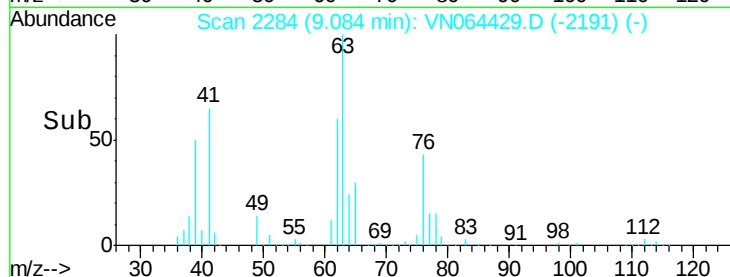
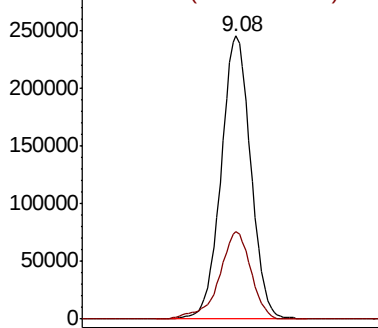
Ion Ratio Lower Upper

63 100

65 31.0 23.6 35.4



Abundance Ion 62.90 (62.60 to 63.60): VNO
Ion 64.90 (64.60 to 65.60): VNO



#46

Dibromomethane

Concen: 105.935 ug/l

RT: 9.17 min Scan# 2312

Delta R.T. -0.00 min

Lab File: VN064429.D

Acq: 4 Nov 2020 11:24

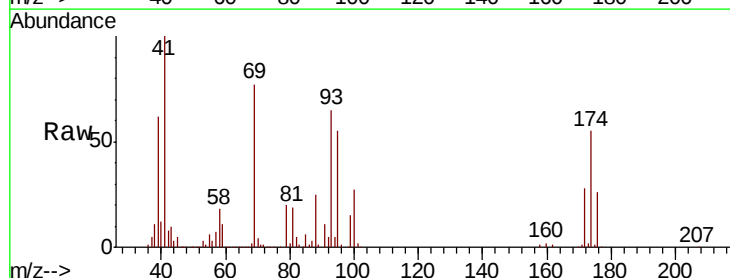
Tgt Ion: 93 Resp: 339433

Ion Ratio Lower Upper

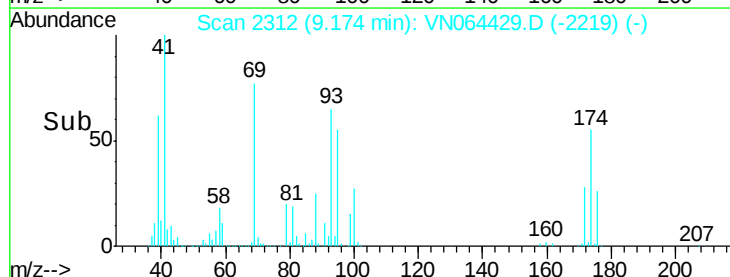
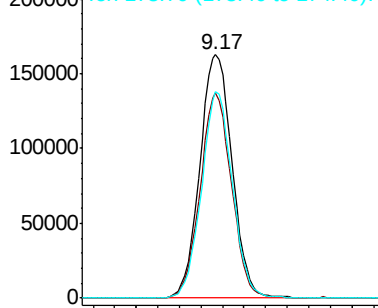
93 100

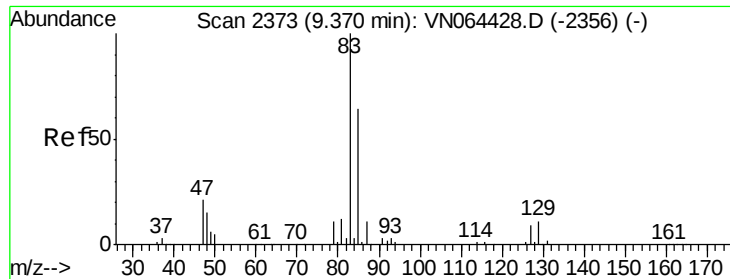
95 81.8 66.4 99.6

174 81.4 67.2 100.8



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





#47

Bromodichloromethane

Concen: 101.776 ug/l

RT: 9.37 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN064429.D

Acq: 4 Nov 2020 11:24

Instrument :

MSVOA_N

ClientSampleId :

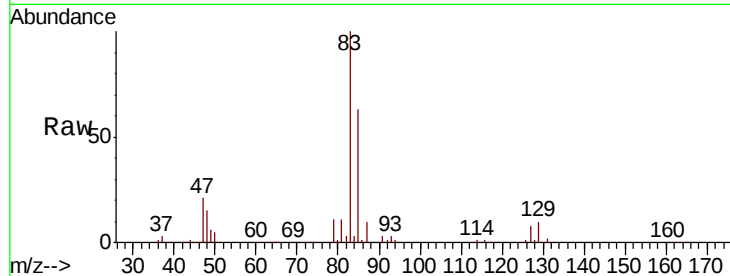
Tot Ion: 83 Resp: 724133

Ion Ratio Lower Upper

83 100

85 62.8 51.2 76.8

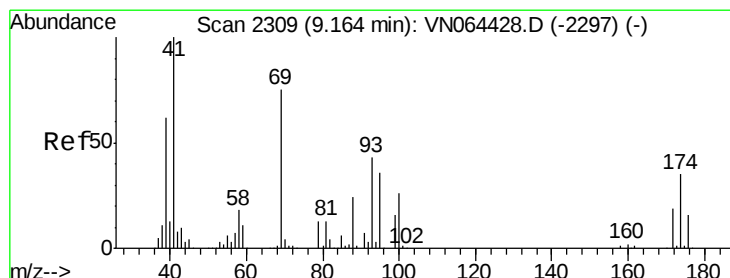
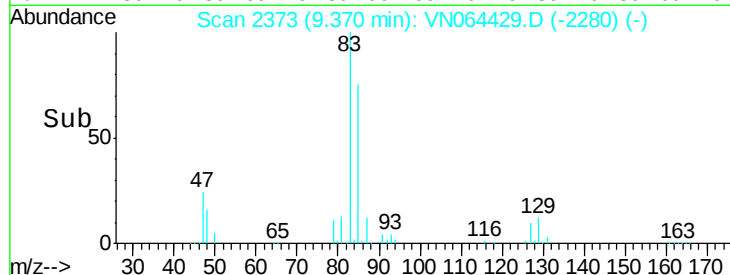
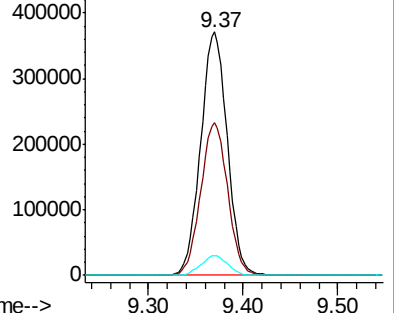
127 8.0 6.9 10.3



Abundance Ion 82.90 (82.60 to 83.60): VN064429.D (-2280) (-)

Ion 84.90 (84.60 to 85.60): VN064429.D (-2280) (-)

Ion 126.80 (126.50 to 127.50): VN064429.D (-2280) (-)



#48

Methyl methacrylate

Concen: 103.462 ug/l

RT: 9.17 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN064429.D

Acq: 4 Nov 2020 11:24

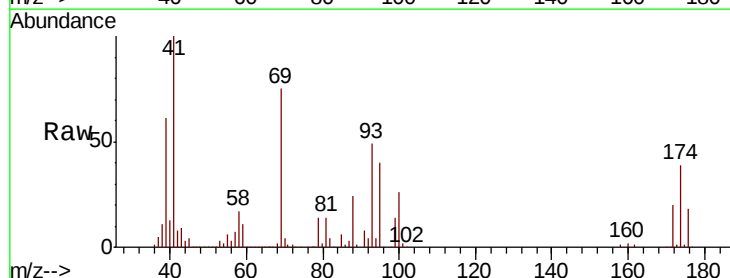
Tgt Ion: 41 Resp: 565066

Ion Ratio Lower Upper

41 100

69 75.8 60.4 90.6

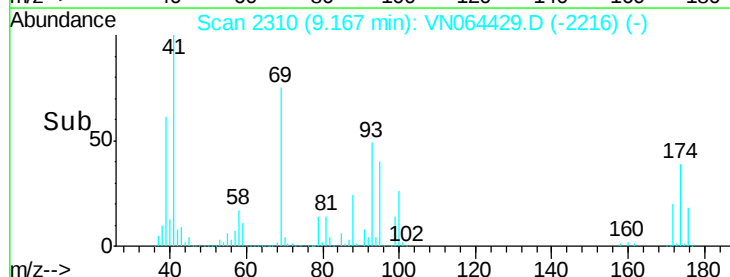
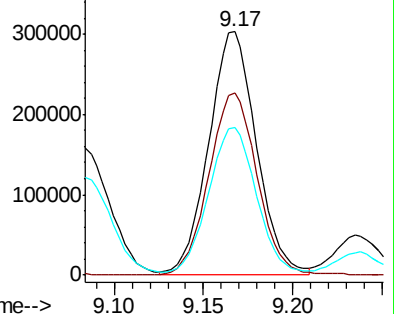
39 61.4 51.2 76.8

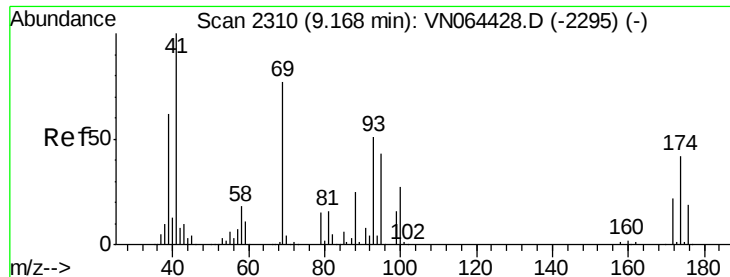


Abundance Ion 41.00 (40.70 to 41.70): VN064429.D (-2216) (-)

Ion 69.00 (68.70 to 69.70): VN064429.D (-2216) (-)

Ion 39.00 (38.70 to 39.70): VN064429.D (-2216) (-)





#49

1,4-Dioxane

Concen: 1860.011 ug/l

RT: 9.17 min Scan# 2310

Delta R.T. -0.00 min

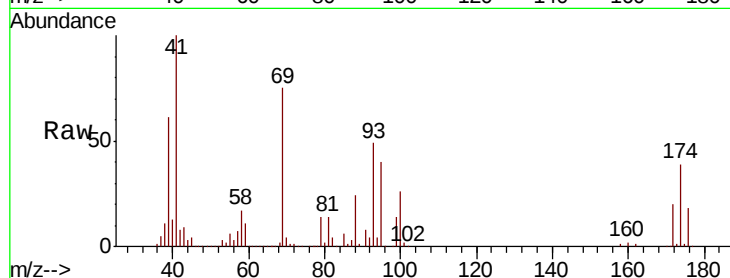
Lab File: VN064429.D

Acq: 4 Nov 2020 11:24

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 88 Resp: 146367

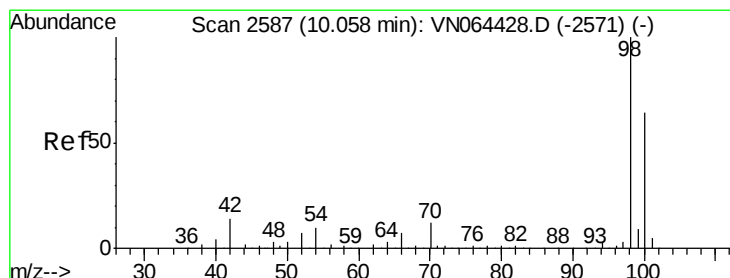
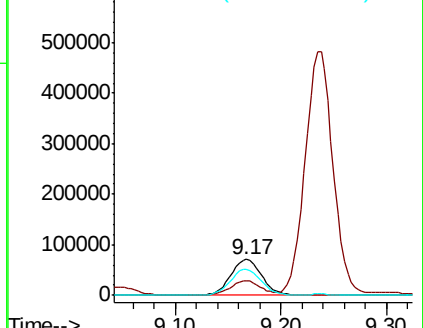
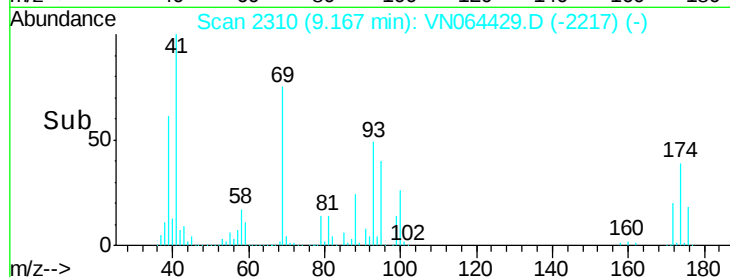
Ion	Ratio	Lower	Upper
88	100		
43	38.0	31.0	46.6
58	71.9	58.4	87.6



Abundance Ion 88.00 (87.70 to 88.70): VN064429.D (-2217) (-)

Ion 43.00 (42.70 to 43.70): VN064429.D (-2217) (-)

Ion 58.00 (57.70 to 58.70): VN064429.D (-2217) (-)



#50

Toluene-d8

Concen: 109.369 ug/l

RT: 10.06 min Scan# 2587

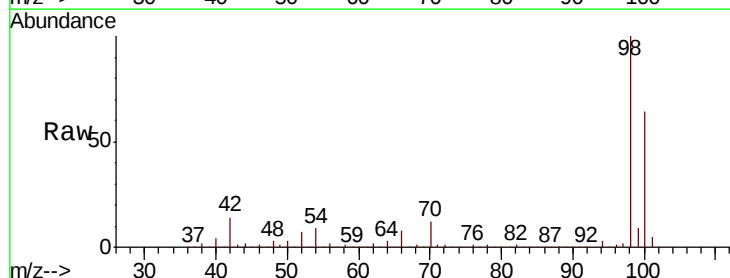
Delta R.T. -0.00 min

Lab File: VN064429.D

Acq: 4 Nov 2020 11:24

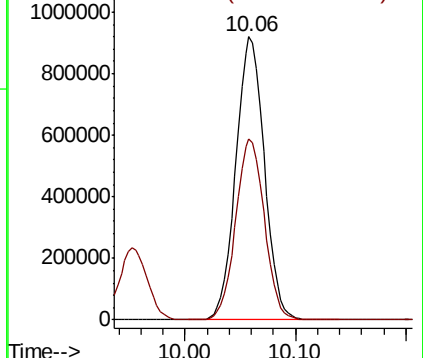
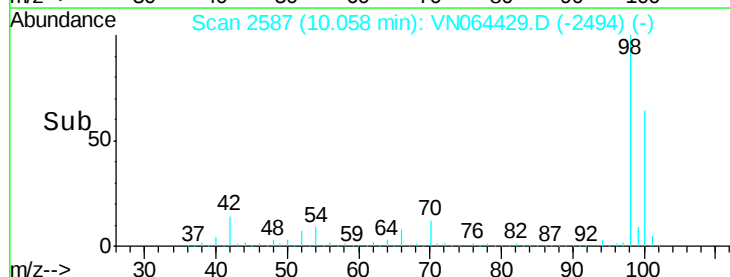
Tgt Ion: 98 Resp: 1650259

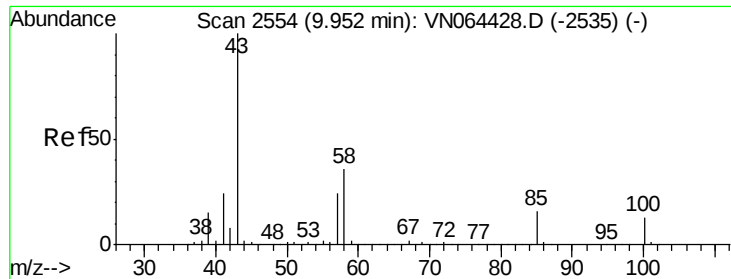
Ion	Ratio	Lower	Upper
98	100		
100	64.0	50.7	76.1



Abundance Ion 98.00 (97.70 to 98.70): VN064429.D (-2494) (-)

Ion 100.00 (99.70 to 100.70): VN064429.D (-2494) (-)





#51

4-Methyl-2-Pentanone

Concen: 527.404 ug/l

RT: 9.95 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VN064429.D

Acq: 4 Nov 2020 11:24

Instrument :

MSVOA_N

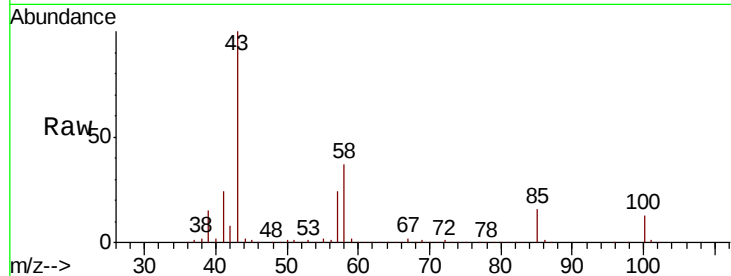
ClientSampled :

Tot Ion: 43 Resp: 3259532

Ion Ratio Lower Upper

43 100

58 36.8 28.4 42.6



Abundance Ion 43.00 (42.70 to 43.70): VN064428.D (-2535) (-)

Ion 58.00 (57.70 to 58.70): VN064428.D (-2535) (-)

2000000

1500000

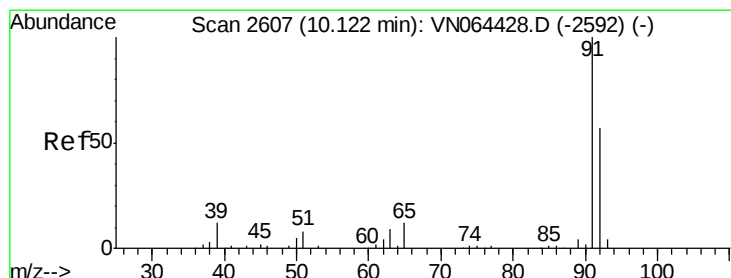
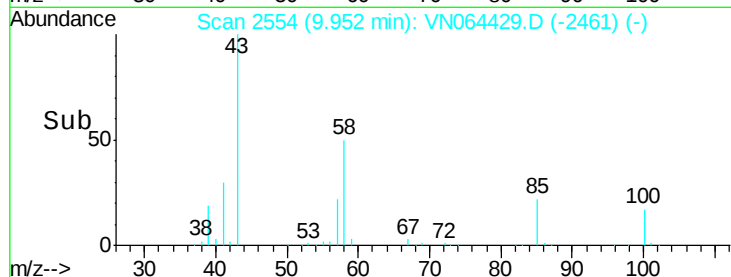
1000000

500000

0

9.80 9.90 10.00

Time-->



#52

Toluene

Concen: 110.543 ug/l

RT: 10.12 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN064429.D

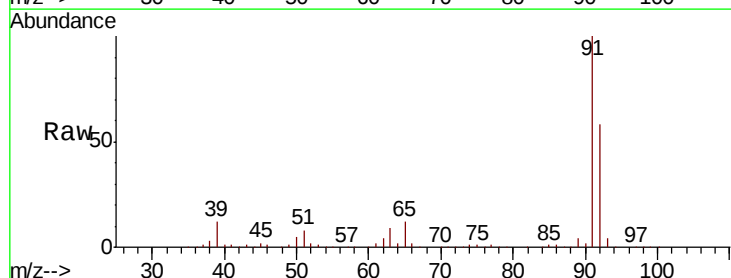
Acq: 4 Nov 2020 11:24

Tgt Ion: 92 Resp: 1211821

Ion Ratio Lower Upper

92 100

91 172.6 139.6 209.4



Abundance Ion 92.00 (91.70 to 92.70): VN064428.D (-2592) (-)

Ion 91.00 (90.70 to 91.70): VN064428.D (-2592) (-)

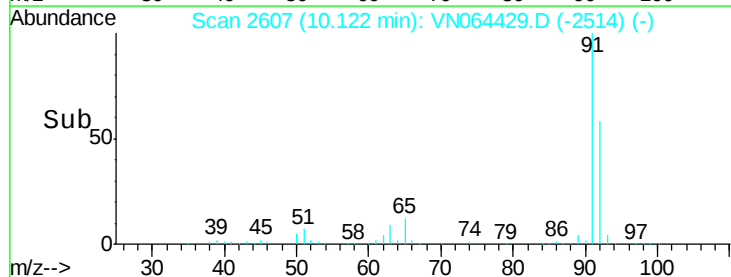
1000000

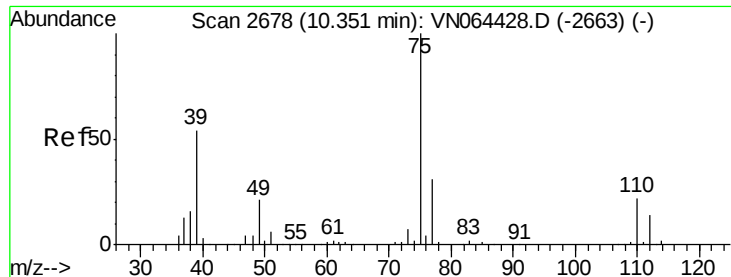
500000

0

10.10 10.12 10.14

Time-->





#53

t-1,3-Dichloropropene

Concen: 109.175 ug/l

RT: 10.35 min Scan# 2678

Delta R.T. -0.00 min

Lab File: VN064429.D

Acq: 4 Nov 2020 11:24

Instrument :

MSVOA_N

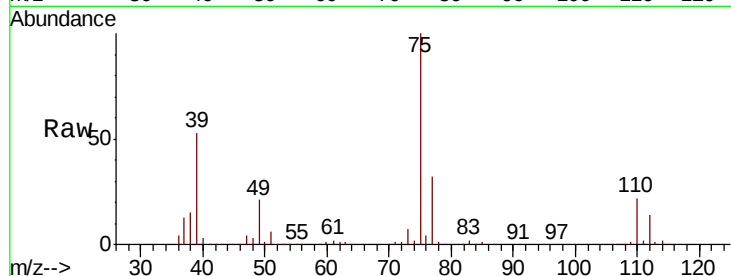
ClientSampled :

Tot Ion: 75 Resp: 825971

Ion Ratio Lower Upper

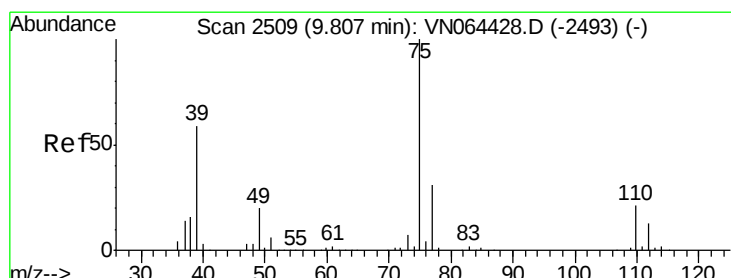
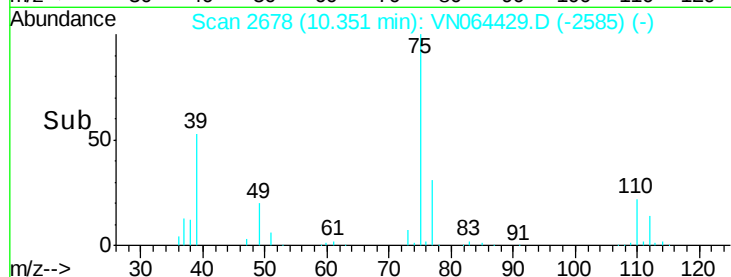
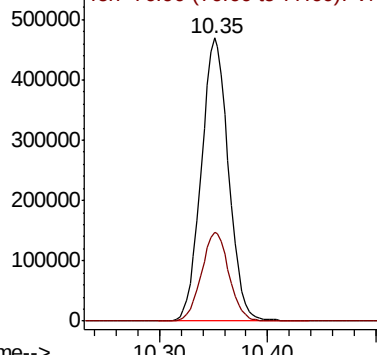
75 100

77 31.4 24.8 37.2



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 110.564 ug/l

RT: 9.81 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VN064429.D

Acq: 4 Nov 2020 11:24

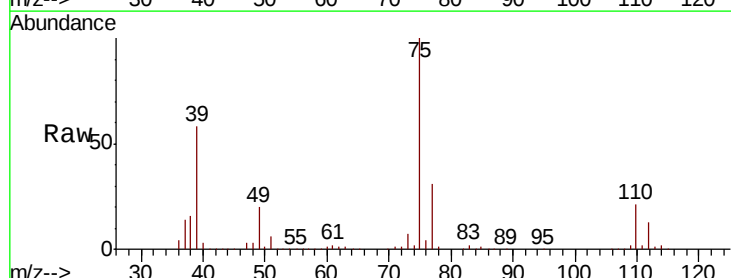
Tgt Ion: 75 Resp: 860414

Ion Ratio Lower Upper

75 100

77 31.5 24.9 37.3

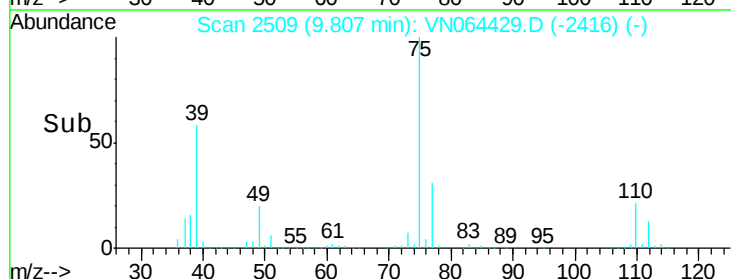
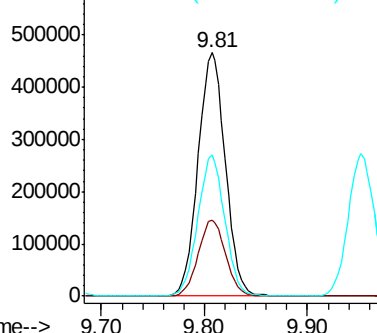
39 57.8 47.1 70.7

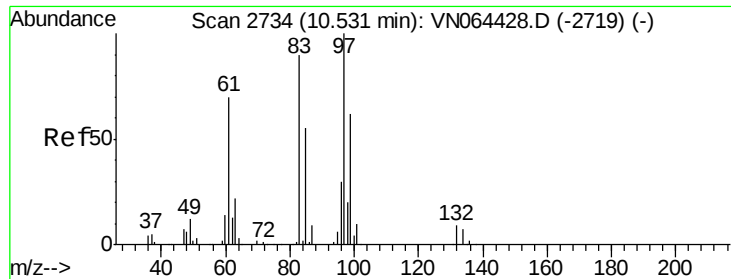


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

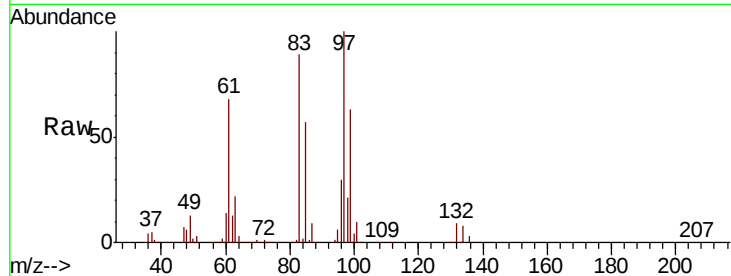




#55
 1,1,2-Trichloroethane
 Concen: 105.852 ug/l
 RT: 10.53 min Scan# 2735
 Delta R.T. 0.00 min
 Lab File: VN064429.D
 Acq: 4 Nov 2020 11:24

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	97	Resp	455743
Ion	Ratio	Lower	Upper
97	100		
83	89.0	71.7	107.5
85	56.9	44.3	66.5
99	63.4	49.4	74.2



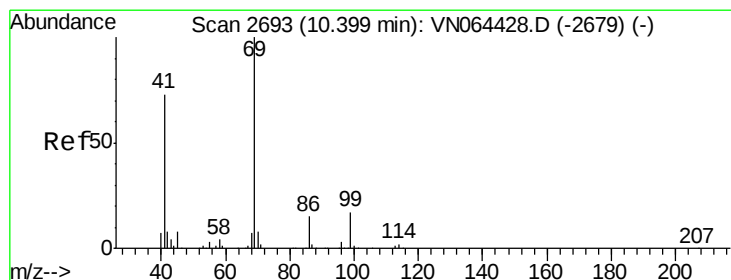
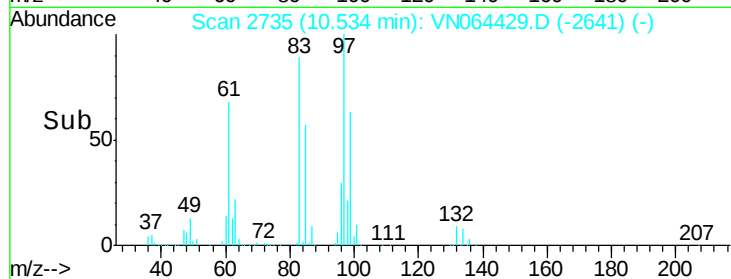
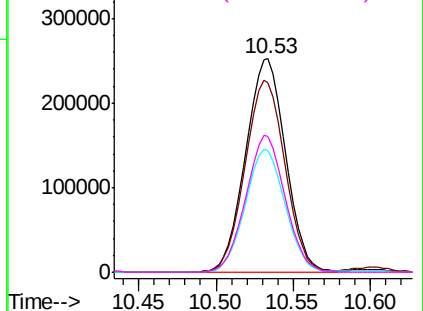
Abundance

Ion 96.90 (96.60 to 97.60): VNO

Ion 82.90 (82.60 to 83.60): VNO

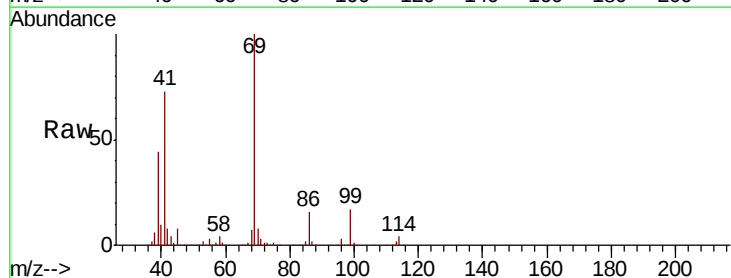
Ion 84.90 (84.60 to 85.60): VNO

Ion 98.90 (98.60 to 99.60): VNO



#56
 Ethyl methacrylate
 Concen: 112.909 ug/l
 RT: 10.40 min Scan# 2693
 Delta R.T. -0.00 min
 Lab File: VN064429.D
 Acq: 4 Nov 2020 11:24

Tgt Ion	69	Resp	732773
Ion	Ratio	Lower	Upper
69	100		
41	72.8	59.3	88.9
39	43.4	35.4	53.0

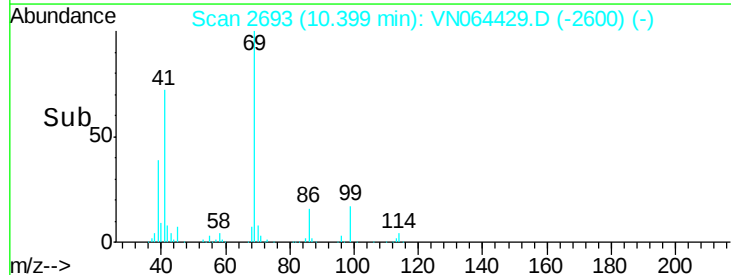
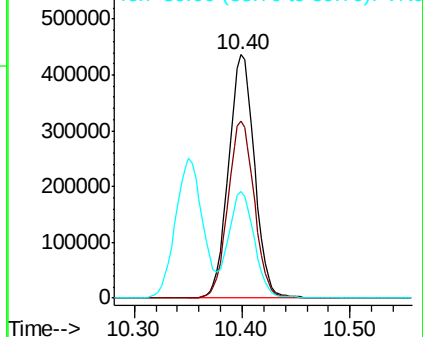


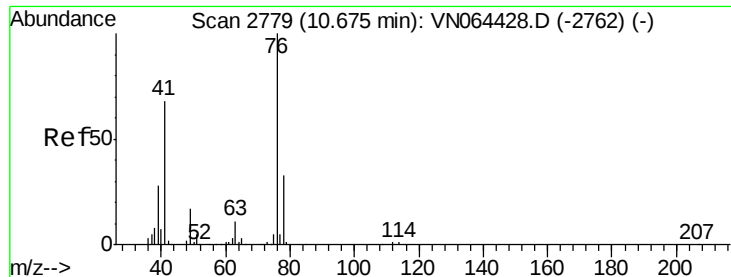
Abundance

Ion 69.00 (68.70 to 69.70): VNO

Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO





#57

1,3-Dichloropropane

Concen: 111.114 ug/l

RT: 10.68 min Scan# 2779

Delta R.T. -0.00 min

Lab File: VN064429.D

Acq: 4 Nov 2020 11:24

Instrument :

MSVOA_N

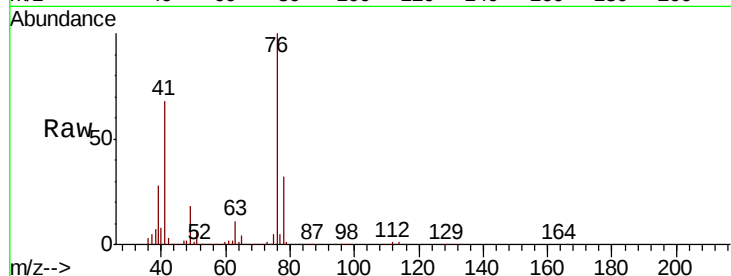
ClientSampled :

Tot Ion: 76 Resp: 815836

Ion Ratio Lower Upper

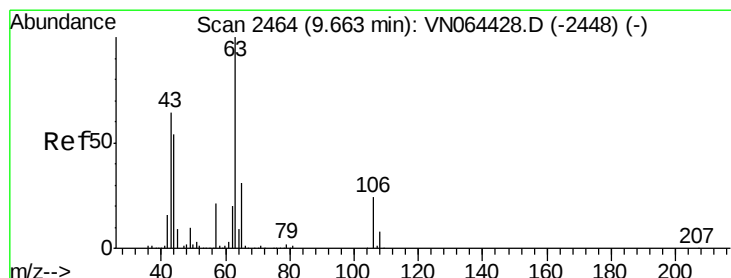
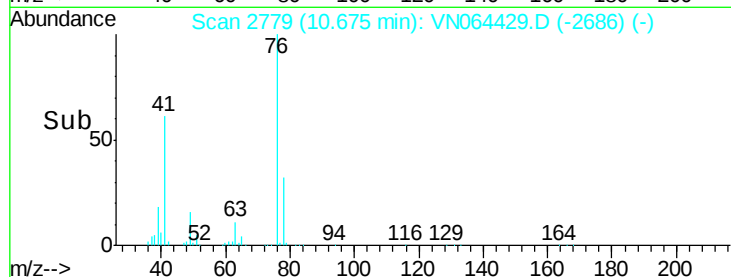
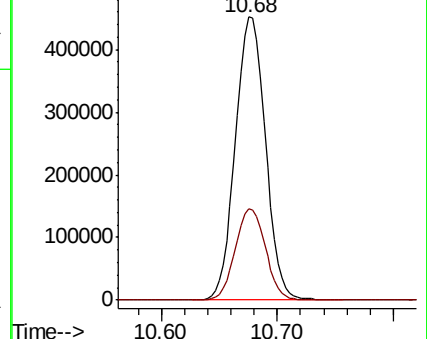
76 100

78 32.4 25.8 38.6



Abundance Ion 75.90 (75.60 to 76.60): VN064428.D (-2762) (-)

Ion 77.90 (77.60 to 78.60): VN064428.D (-2762) (-)



#58

2-Chloroethyl Vinyl ether

Concen: 512.931 ug/l

RT: 9.66 min Scan# 2464

Delta R.T. -0.00 min

Lab File: VN064429.D

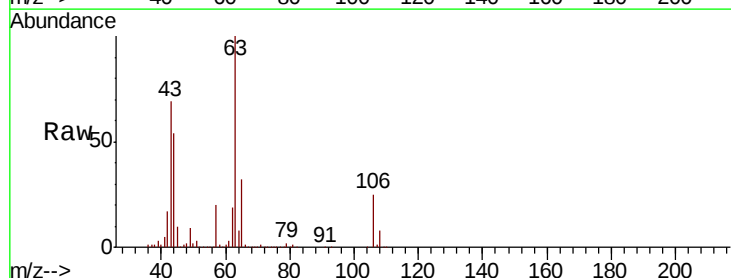
Acq: 4 Nov 2020 11:24

Tgt Ion: 63 Resp: 1731951

Ion Ratio Lower Upper

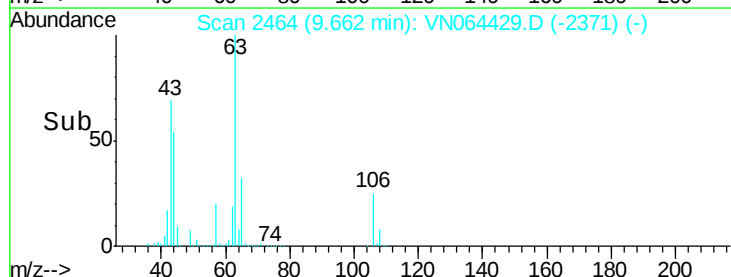
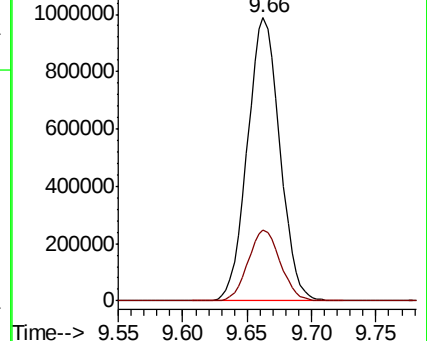
63 100

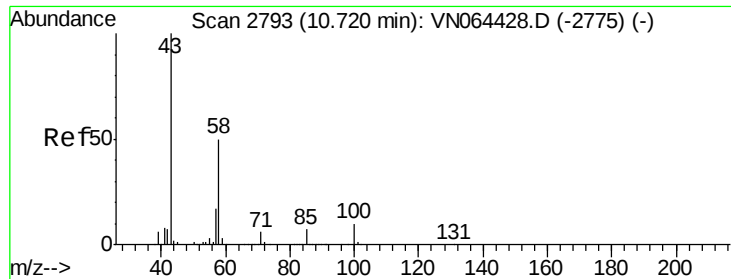
106 25.0 19.5 29.3



Abundance Ion 62.90 (62.60 to 63.60): VN064428.D (-2448) (-)

Ion 105.90 (105.60 to 106.60): VN064428.D (-2448) (-)

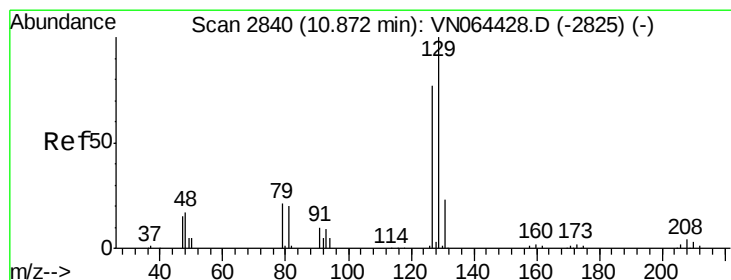
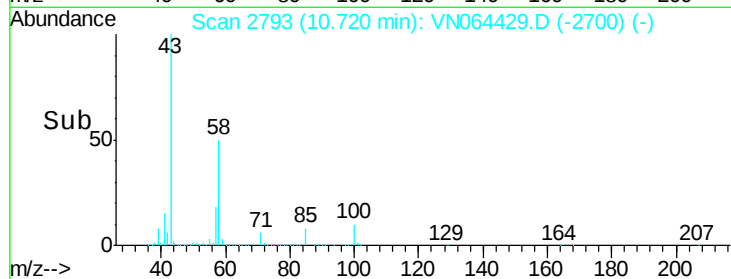
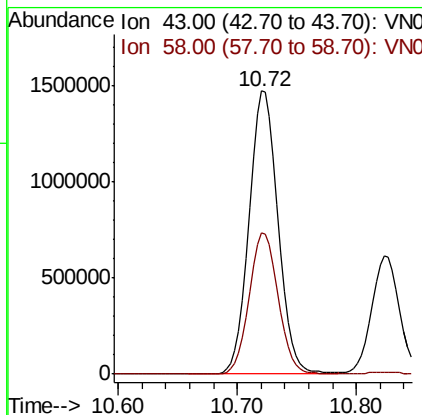
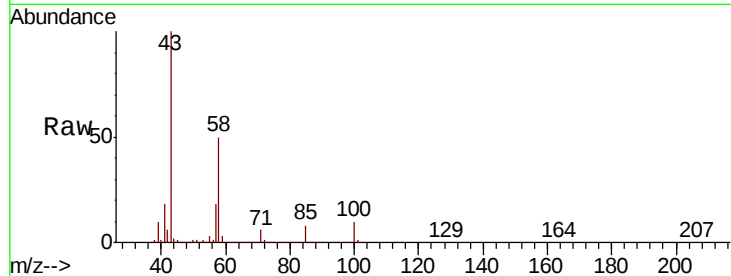




#59
2-Hexanone
Concen: 546.084 ug/l
RT: 10.72 min Scan# 2793
Delta R.T. -0.00 min
Lab File: VN064429.D
Acq: 4 Nov 2020 11:24

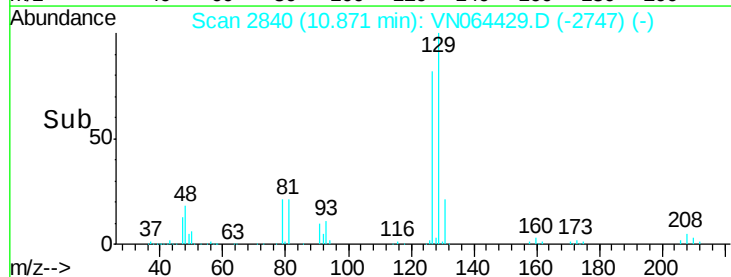
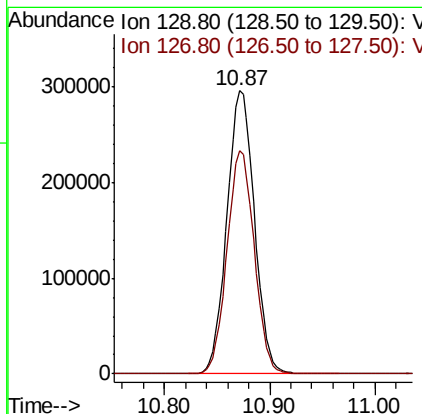
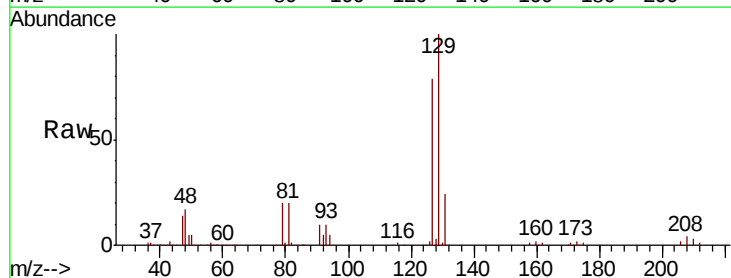
Instrument :
MSVOA_N
ClientSampleId :

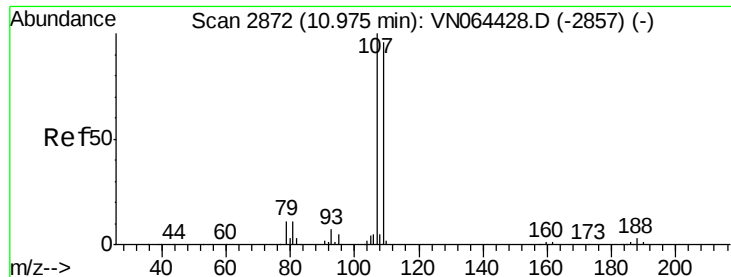
Tot Ion: 43 Resp: 2480475
Ion Ratio Lower Upper
43 100
58 50.1 24.7 74.1



#60
Dibromochloromethane
Concen: 106.759 ug/l
RT: 10.87 min Scan# 2840
Delta R.T. -0.00 min
Lab File: VN064429.D
Acq: 4 Nov 2020 11:24

Tgt Ion: 129 Resp: 535165
Ion Ratio Lower Upper
129 100
127 78.0 38.9 116.7

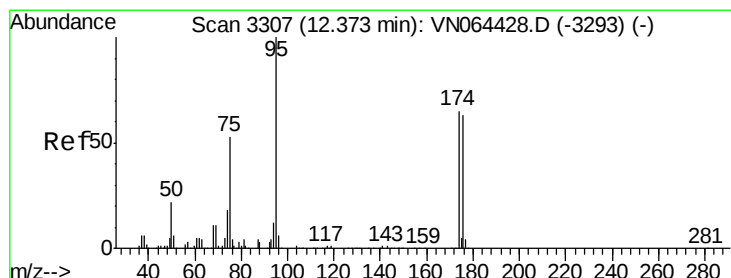
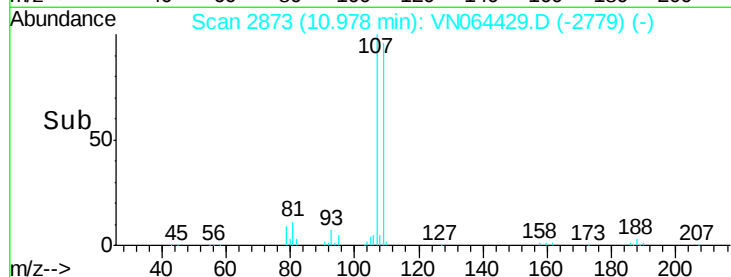
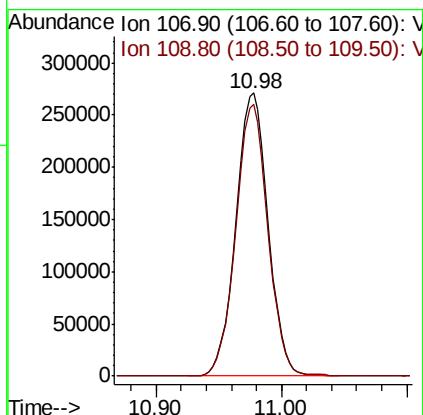
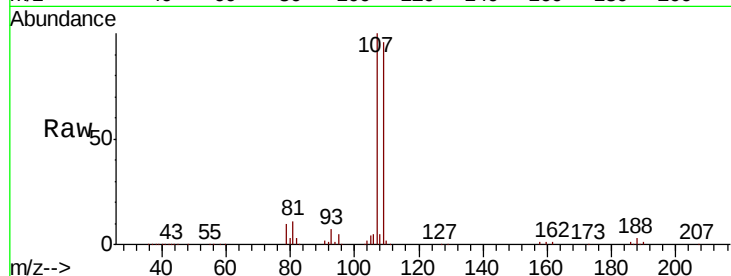




#61
 1,2-Dibromoethane
 Concen: 111.128 ug/l
 RT: 10.98 min Scan# 2873
 Delta R.T. 0.00 min
 Lab File: VN064429.D
 Acq: 4 Nov 2020 11:24

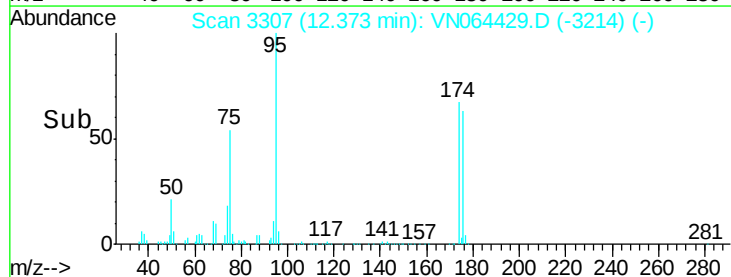
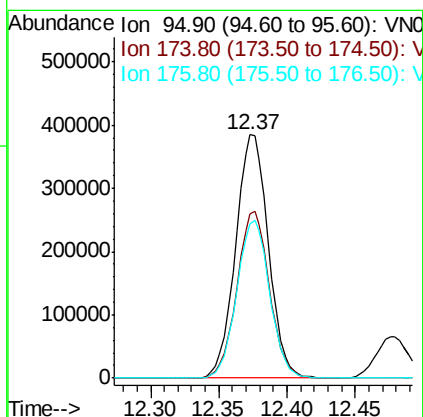
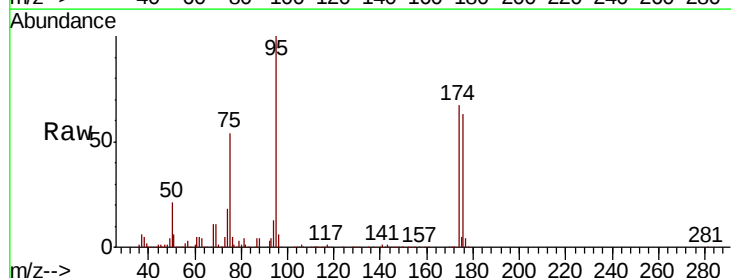
Instrument :
 MSVOA_N
 ClientSampleId :

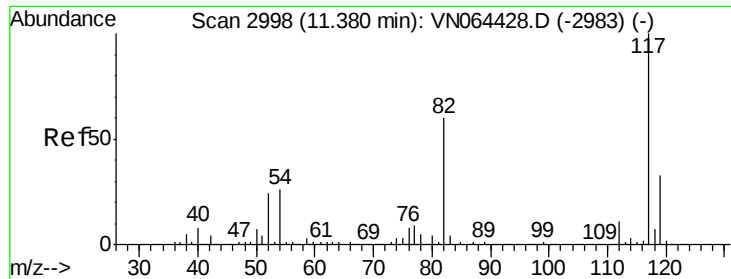
Tot Ion:107 Resp: 484502
 Ion Ratio Lower Upper
 107 100
 109 95.6 75.9 113.9



#62
 4-Bromofluorobenzene
 Concen: 109.542 ug/l
 RT: 12.37 min Scan# 3307
 Delta R.T. -0.00 min
 Lab File: VN064429.D
 Acq: 4 Nov 2020 11:24

Tgt Ion: 95 Resp: 640350
 Ion Ratio Lower Upper
 95 100
 174 68.1 0.0 132.6
 176 65.0 0.0 129.2

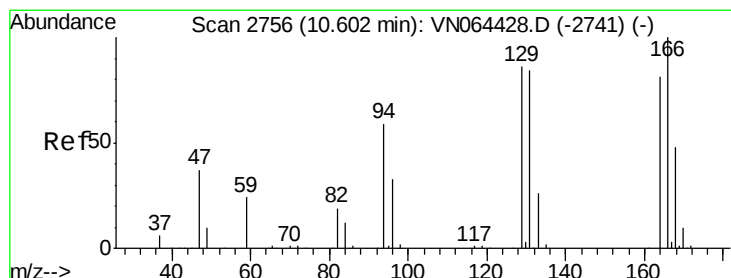
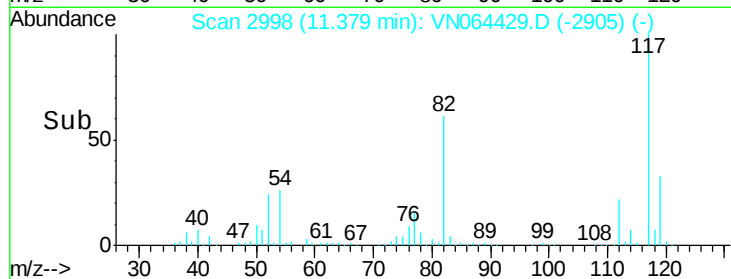
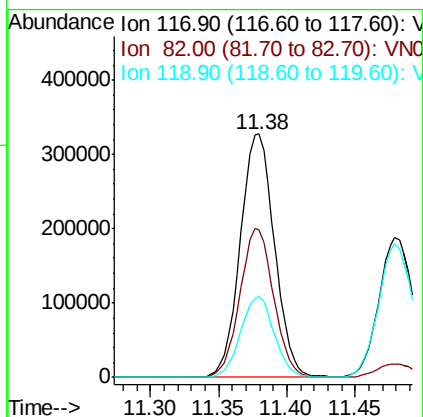
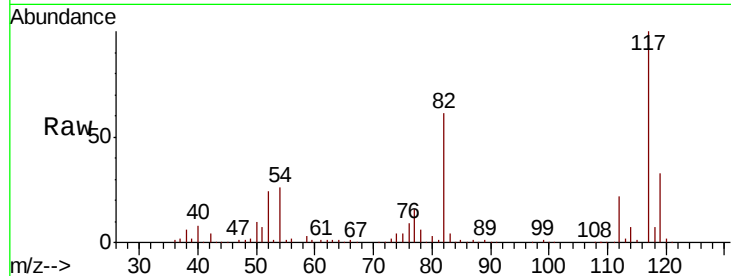




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. -0.00 min
Lab File: VN064429.D
Acq: 4 Nov 2020 11:24

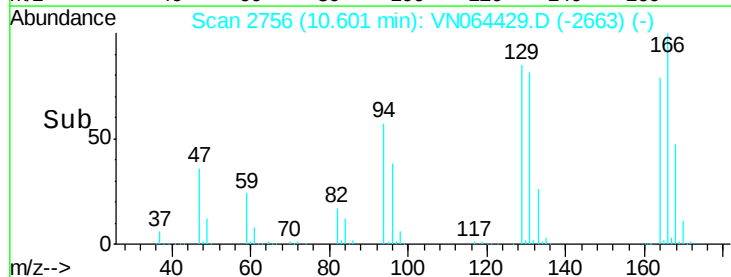
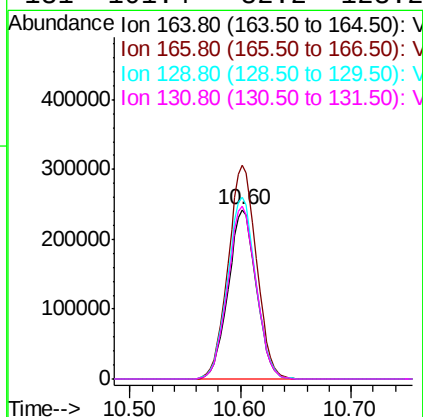
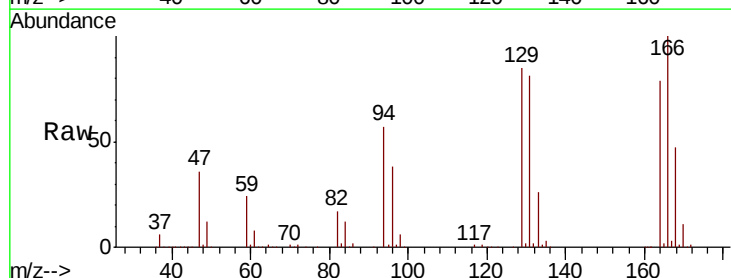
Instrument :
MSVOA_N
ClientSampled :

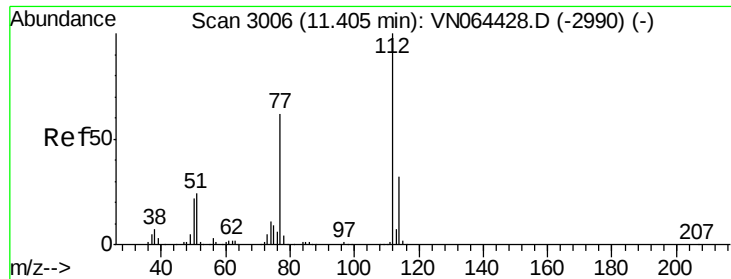
Tot Ion:117 Resp: 571286
Ion Ratio Lower Upper
117 100
82 60.8 48.1 72.1
119 33.1 26.2 39.4



#64
Tetrachloroethene
Concen: 91.293 ug/l
RT: 10.60 min Scan# 2756
Delta R.T. -0.00 min
Lab File: VN064429.D
Acq: 4 Nov 2020 11:24

Tgt Ion:164 Resp: 428038
Ion Ratio Lower Upper
164 100
166 126.0 98.2 147.2
129 107.5 84.6 127.0
131 101.4 82.2 123.2

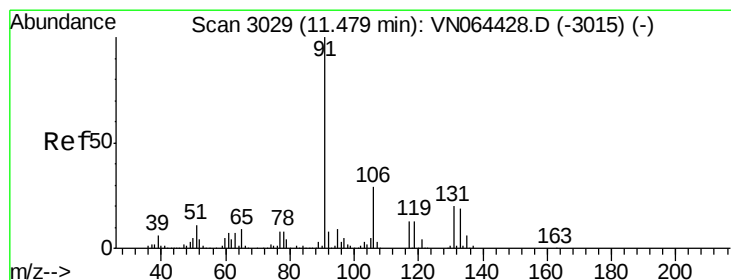
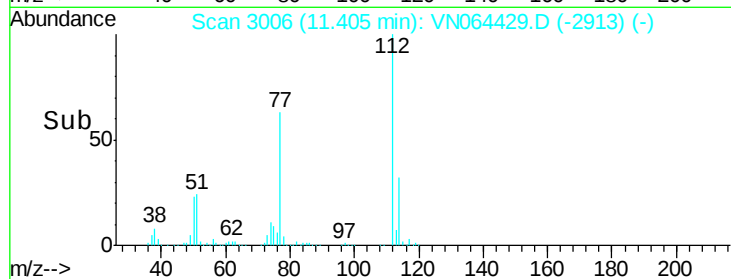
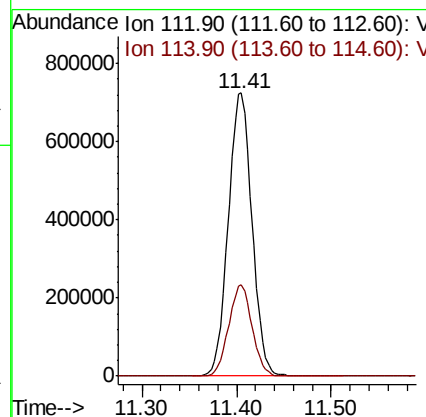
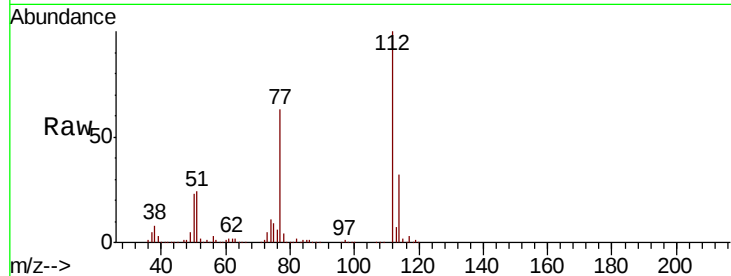




#65
Chlorobenzene
Concen: 106.853 ug/l
RT: 11.41 min Scan# 3006
Delta R.T. -0.00 min
Lab File: VN064429.D
Acq: 4 Nov 2020 11:24

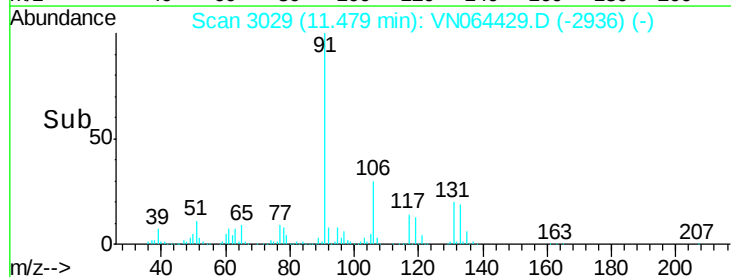
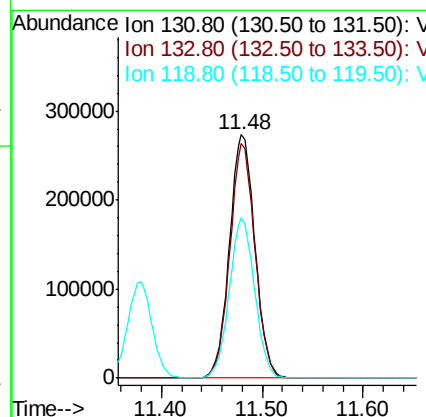
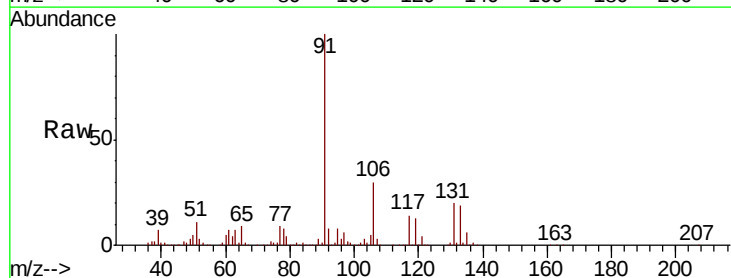
Instrument :
MSVOA_N
ClientSampleId :

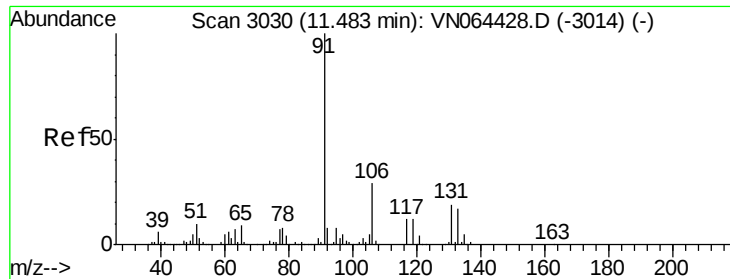
Tot Ion:112 Resp: 1262635
Ion Ratio Lower Upper
112 100
114 32.3 25.6 38.4



#66
1,1,1,2-Tetrachloroethane
Concen: 102.050 ug/l
RT: 11.48 min Scan# 3029
Delta R.T. -0.00 min
Lab File: VN064429.D
Acq: 4 Nov 2020 11:24

Tgt Ion:131 Resp: 482451
Ion Ratio Lower Upper
131 100
133 94.6 46.9 140.7
119 65.0 32.1 96.5





#67

Ethyl Benzene

Concen: 107.574 ug/l

RT: 11.48 min Scan# 3030

Delta R.T. -0.00 min

Lab File: VN064429.D

Acq: 4 Nov 2020 11:24

Instrument :

MSVOA_N

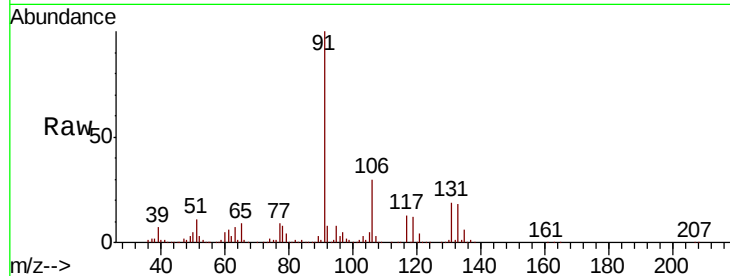
ClientSampled :

Tot Ion: 91 Resp: 2361385

Ion Ratio Lower Upper

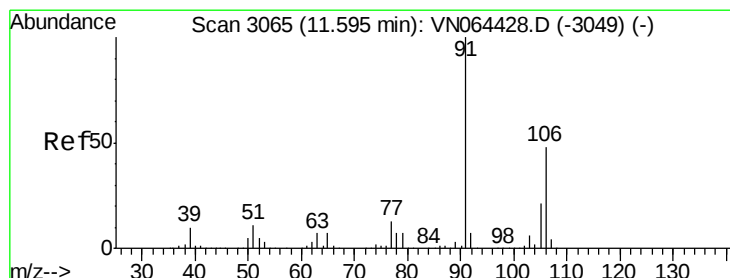
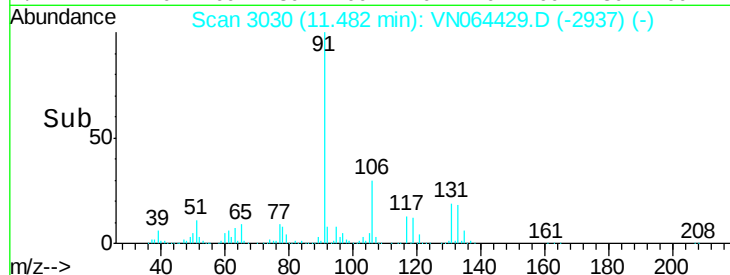
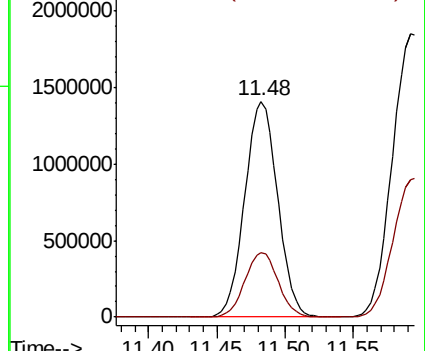
91 100

106 30.1 23.6 35.4



Abundance Ion 91.00 (90.70 to 91.70): VN064428.D (-3014) (-)

Ion 106.00 (105.70 to 106.70): VN064428.D (-3014) (-)



#68

m/p-Xylenes

Concen: 215.901 ug/l

RT: 11.59 min Scan# 3065

Delta R.T. -0.00 min

Lab File: VN064429.D

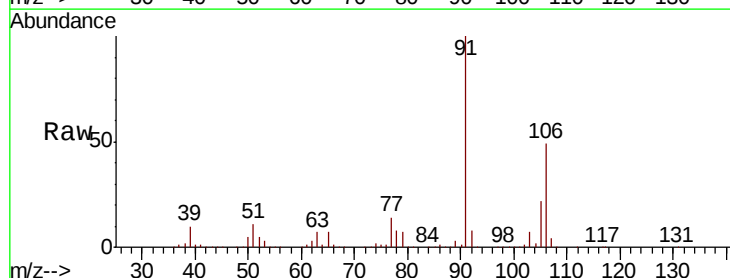
Acq: 4 Nov 2020 11:24

Tgt Ion:106 Resp: 1753609

Ion Ratio Lower Upper

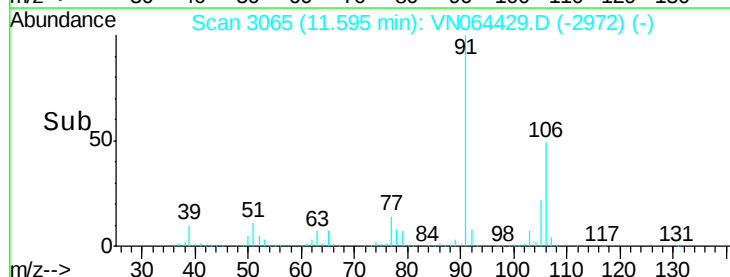
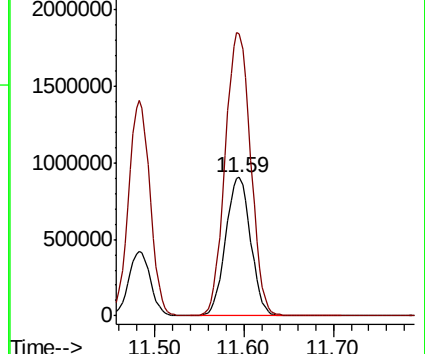
106 100

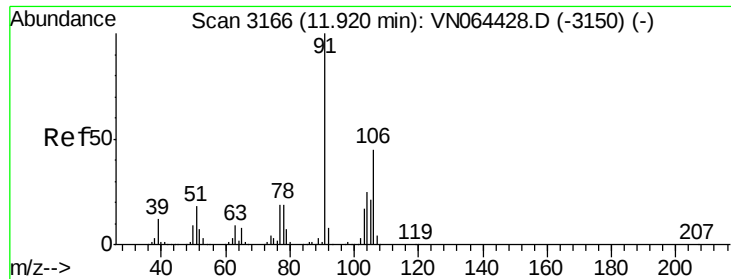
91 208.9 169.4 254.2



Abundance Ion 106.00 (105.70 to 106.70): VN064428.D (-3049) (-)

Ion 91.00 (90.70 to 91.70): VN064428.D (-3049) (-)

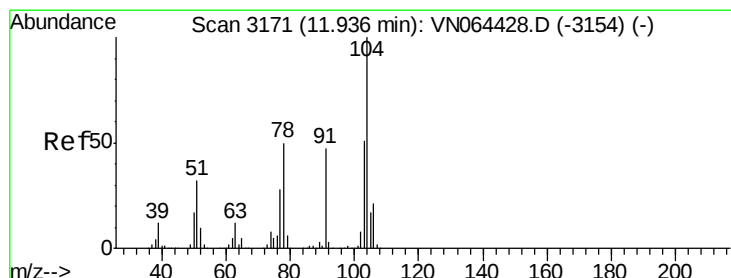
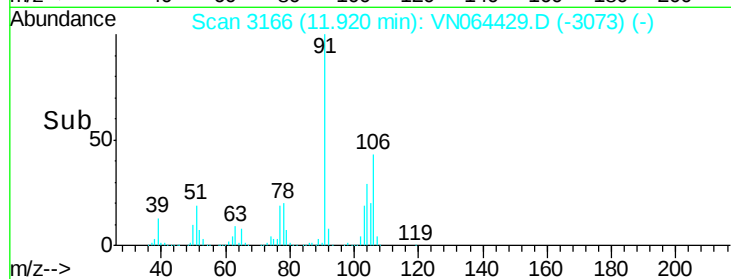
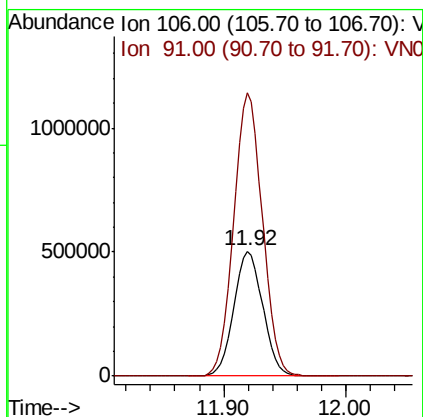
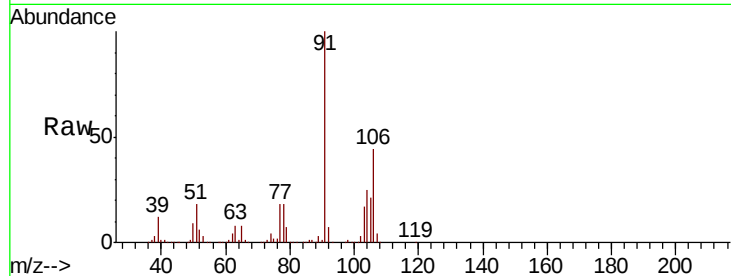




#69
o-Xylene
Concen: 105.719 ug/l
RT: 11.92 min Scan# 3166
Delta R.T. -0.00 min
Lab File: VN064429.D
Acq: 4 Nov 2020 11:24

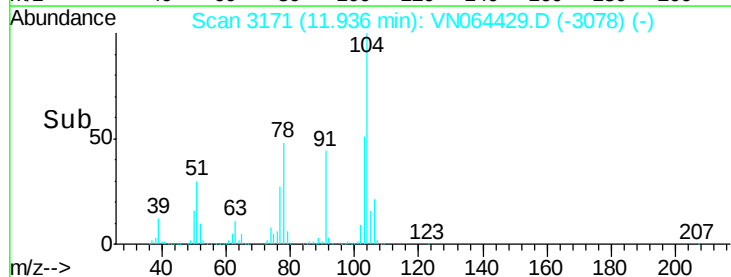
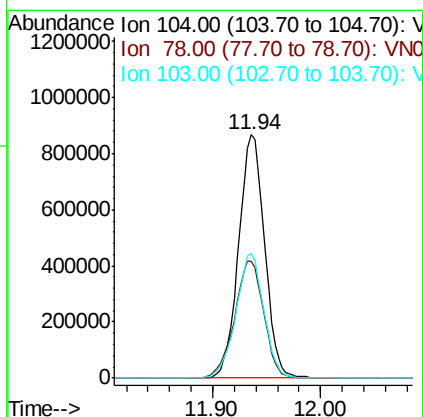
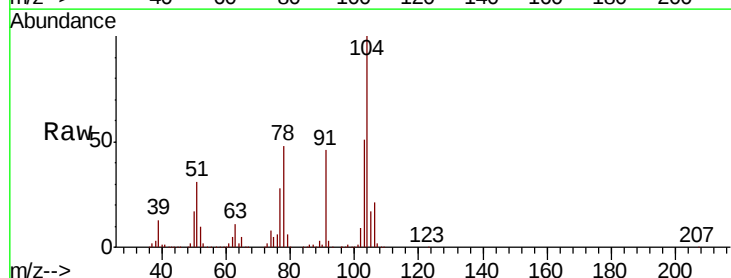
Instrument :
MSVOA_N
ClientSampleId :

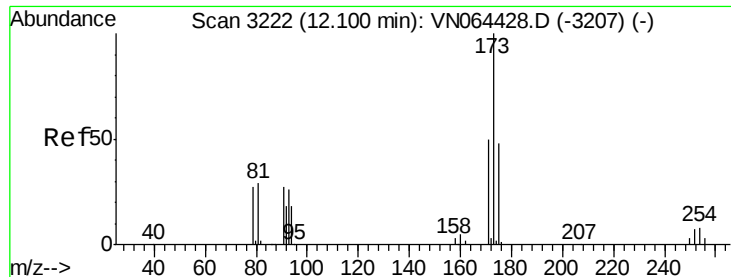
Tot Ion:106 Resp: 828160
Ion Ratio Lower Upper
106 100
91 225.4 111.7 334.9



#70
Styrene
Concen: 113.912 ug/l
RT: 11.94 min Scan# 3171
Delta R.T. -0.00 min
Lab File: VN064429.D
Acq: 4 Nov 2020 11:24

Tgt Ion:104 Resp: 1462557
Ion Ratio Lower Upper
104 100
78 54.0 44.0 66.0
103 54.7 43.8 65.6





#71

Bromoform

Concen: 97.572 ug/l

RT: 12.10 min Scan# 3222

Delta R.T. -0.00 min

Lab File: VN064429.D

Acq: 4 Nov 2020 11:24

Instrument :

MSVOA_N

ClientSampled :

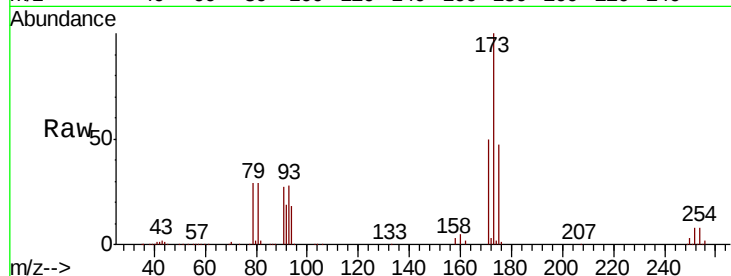
Tot Ion:173 Resp: 354663

Ion Ratio Lower Upper

173 100

175 47.4 23.7 71.1

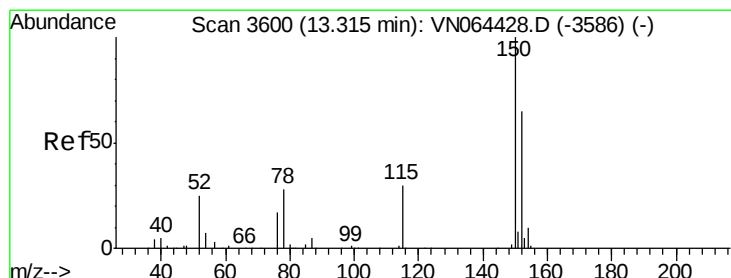
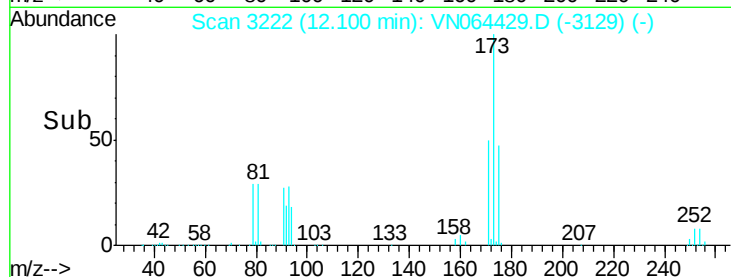
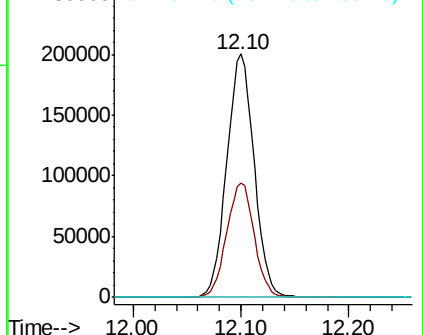
254 0.1 0.0 0.0#



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# 3600

Delta R.T. -0.00 min

Lab File: VN064429.D

Acq: 4 Nov 2020 11:24

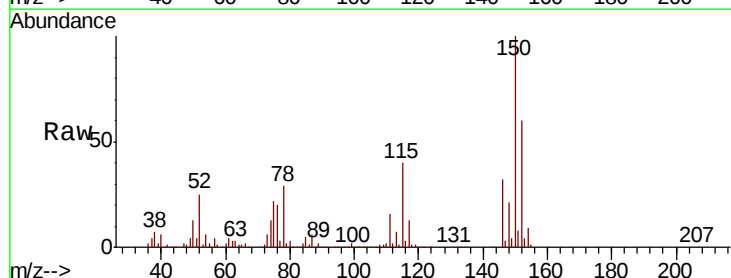
Tgt Ion:152 Resp: 270604

Ion Ratio Lower Upper

152 100

115 64.6 32.0 96.0

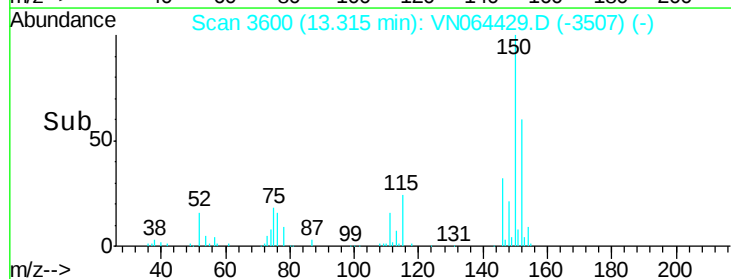
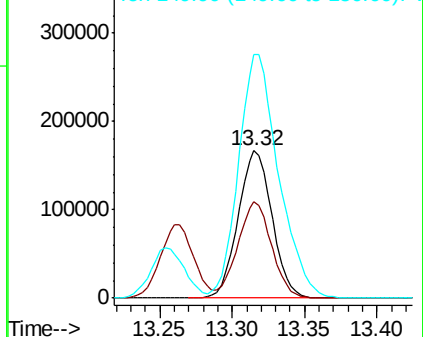
150 195.7 0.0 353.8

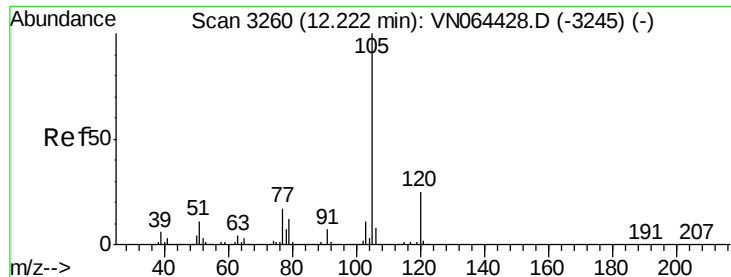


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

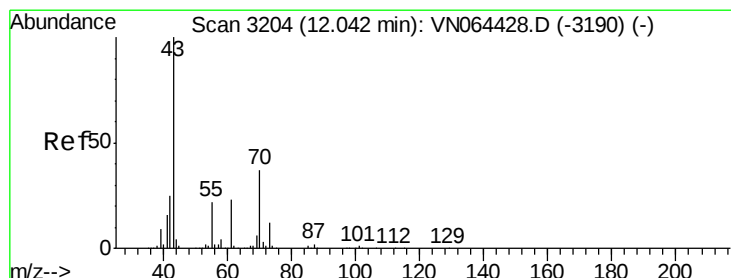
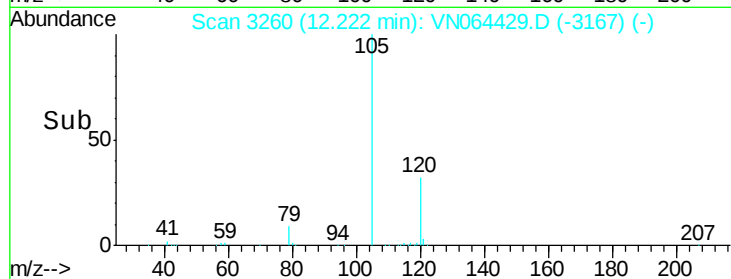
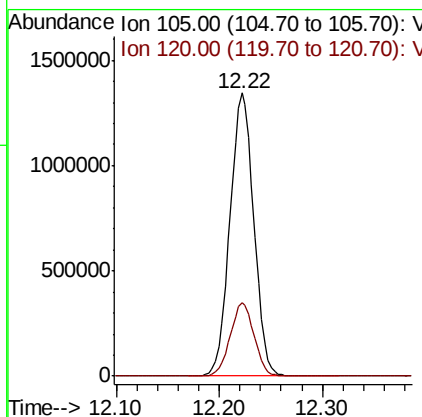
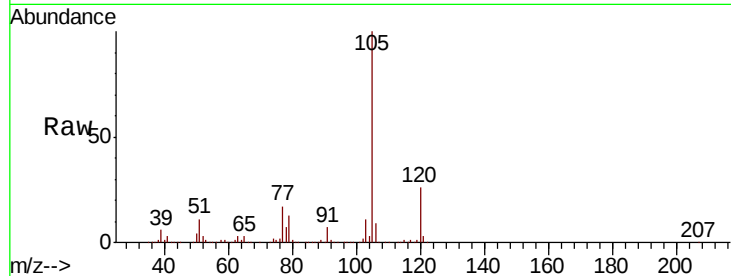




#73
Isopropylbenzene
Concen: 104.798 ug/l
RT: 12.22 min Scan# 3260
Delta R.T. -0.00 min
Lab File: VN064429.D
Acq: 4 Nov 2020 11:24

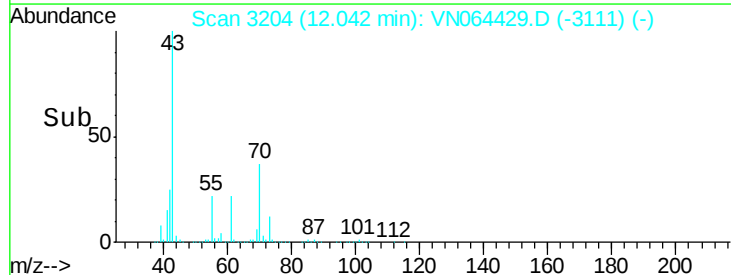
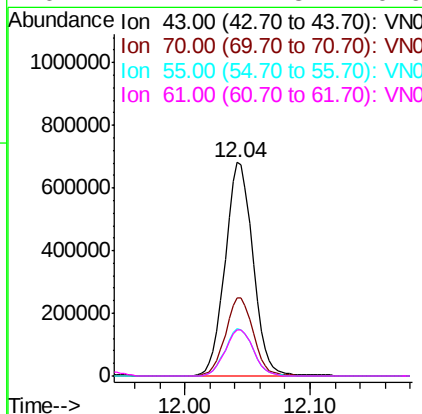
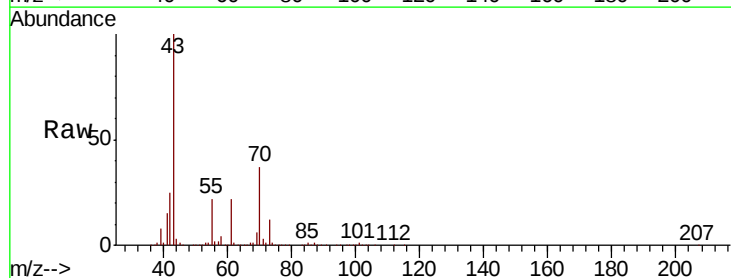
Instrument :
MSVOA_N
ClientSampled :

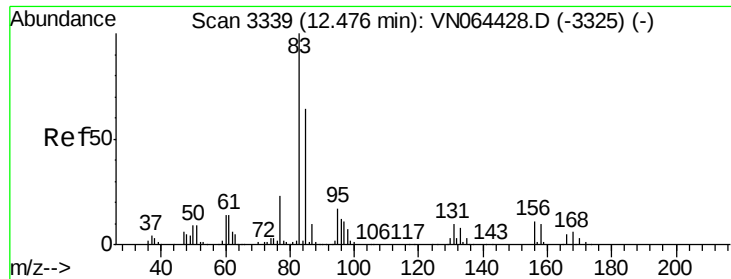
Tot Ion:105 Resp: 2170389
Ion Ratio Lower Upper
105 100
120 26.0 12.8 38.3



#74
N-ethyl acetate
Concen: 115.068 ug/l
RT: 12.04 min Scan# 3204
Delta R.T. -0.00 min
Lab File: VN064429.D
Acq: 4 Nov 2020 11:24

Tgt Ion: 43 Resp: 1046193
Ion Ratio Lower Upper
43 100
70 37.0 29.6 44.4
55 22.7 18.4 27.6
61 22.1 17.8 26.6





#75

1,1,2,2-Tetrachloroethane

Concen: 106.404 ug/l

RT: 12.48 min Scan# 3339

Delta R.T. -0.00 min

Lab File: VN064429.D

Acq: 4 Nov 2020 11:24

Instrument :

MSVOA_N

ClientSampleId :

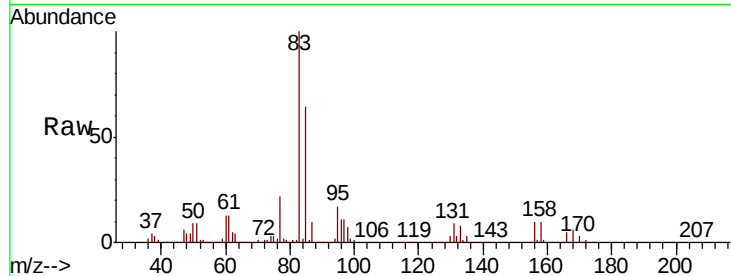
Tot Ion: 83 Resp: 643457

Ion Ratio Lower Upper

83 100

131 9.8 4.9 14.7

85 64.7 32.1 96.5



Abundance Ion 82.90 (82.60 to 83.60): VN064429.D (-3325) (-)

Ion 130.80 (130.50 to 131.50): VN064429.D (-3325) (-)

Ion 84.90 (84.60 to 85.60): VN064429.D (-3325) (-)

12.48

400000

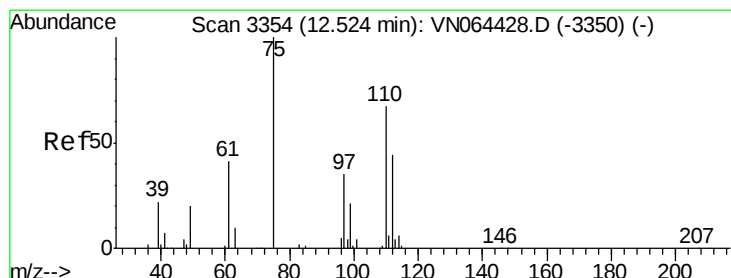
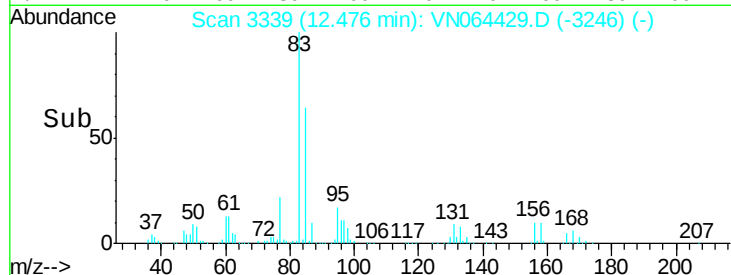
300000

200000

100000

0

Time-->



#76

1,2,3-Trichloropropane

Concen: 145.247 ug/l

RT: 12.53 min Scan# 3355

Delta R.T. 0.00 min

Lab File: VN064429.D

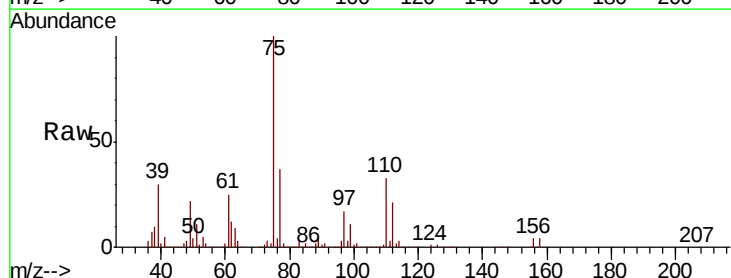
Acq: 4 Nov 2020 11:24

Tgt Ion: 75 Resp: 942159

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN064429.D (-3350) (-)

Ion 77.00 (76.70 to 77.70): VN064429.D (-3350) (-)

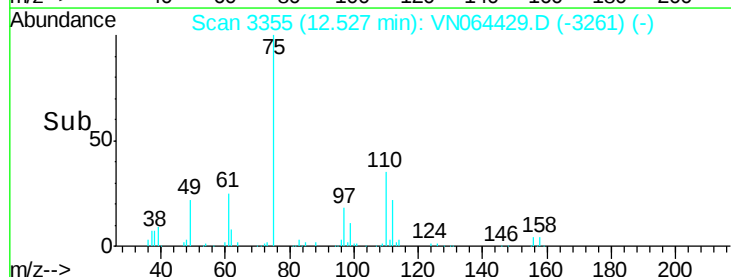
600000

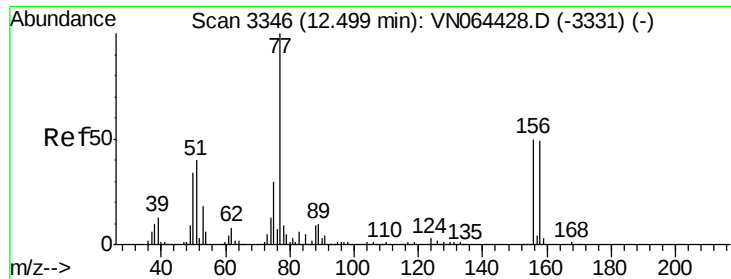
400000

200000

0

Time-->





#77

Bromobenzene

Concen: 103.600 ug/l

RT: 12.50 min Scan# 3346

Delta R.T. -0.00 min

Lab File: VN064429.D

Acq: 4 Nov 2020 11:24

Instrument :

MSVOA_N

ClientSampled :

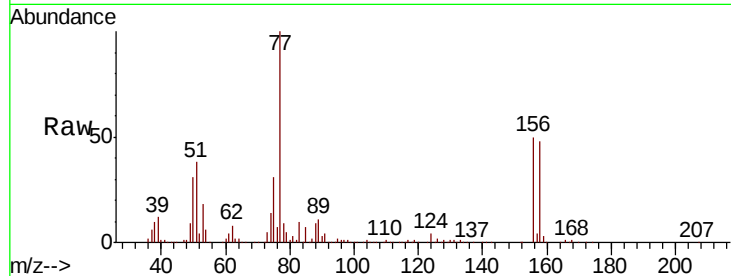
Tot Ion:156 Resp: 520766

Ion Ratio Lower Upper

156 100

77 238.6 119.0 357.0

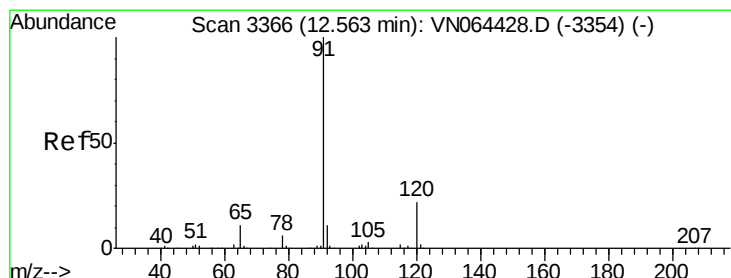
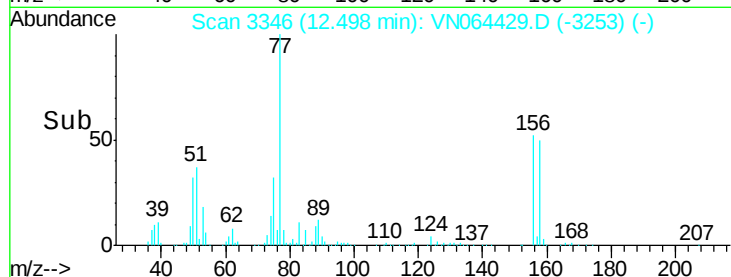
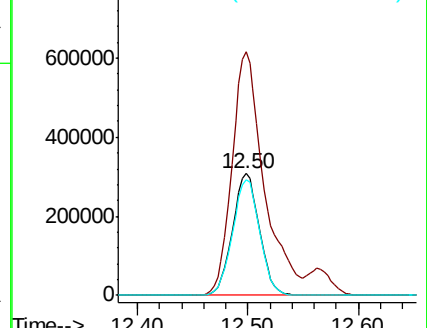
158 96.1 48.4 145.3



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: 108.787 ug/l

RT: 12.56 min Scan# 3366

Delta R.T. -0.00 min

Lab File: VN064429.D

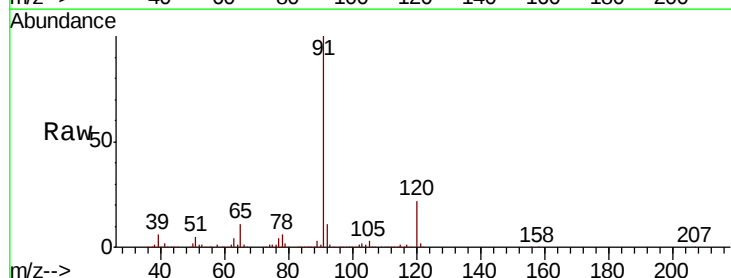
Acq: 4 Nov 2020 11:24

Tgt Ion: 91 Resp: 2550098

Ion Ratio Lower Upper

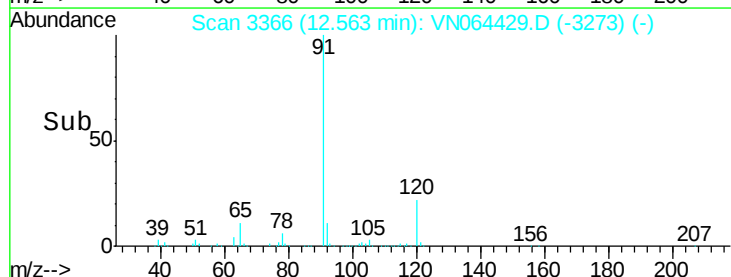
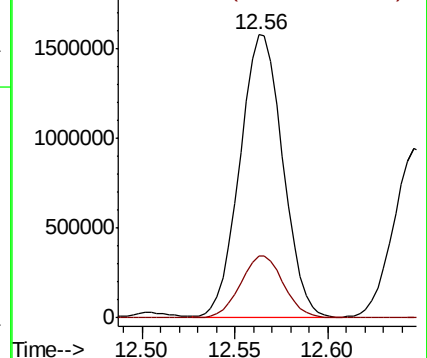
91 100

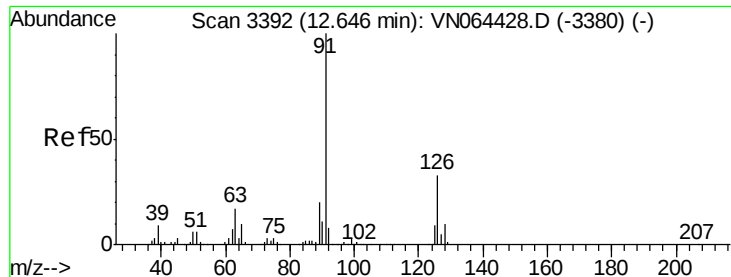
120 21.8 11.0 33.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 104.860 ug/l

RT: 12.65 min Scan# 3392

Delta R.T. -0.00 min

Lab File: VN064429.D

Acq: 4 Nov 2020 11:24

Instrument :

MSVOA_N

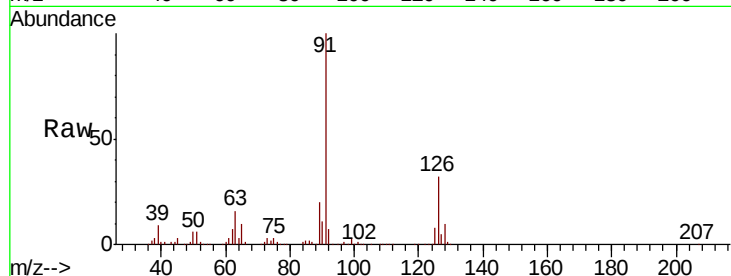
ClientSampled :

Tot Ion: 91 Resp: 1565438

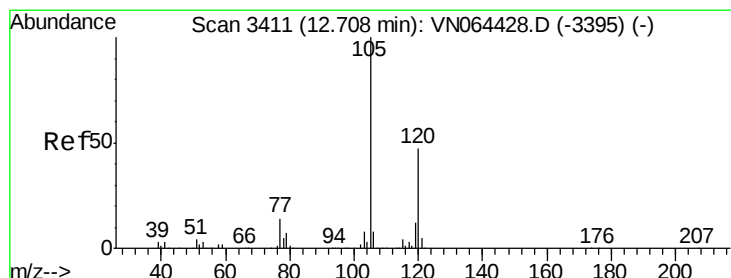
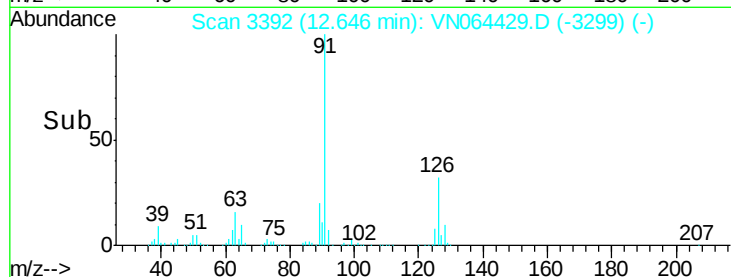
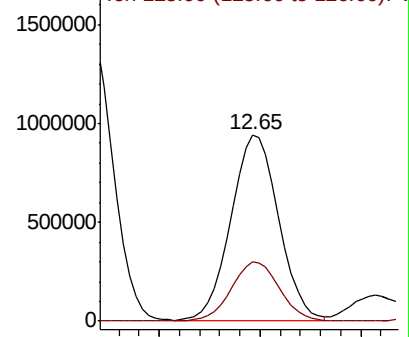
Ion Ratio Lower Upper

91 100

126 32.0 16.4 49.1



Abundance Ion 91.00 (90.70 to 91.70): VN064429.D (-3399) (-)



#80

1,3,5-Trimethylbenzene

Concen: 105.096 ug/l

RT: 12.71 min Scan# 3411

Delta R.T. -0.00 min

Lab File: VN064429.D

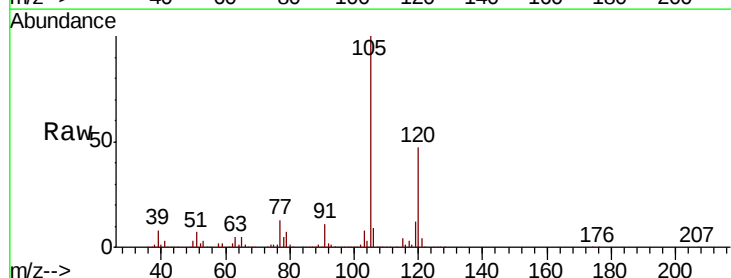
Acq: 4 Nov 2020 11:24

Tgt Ion:105 Resp: 1832992

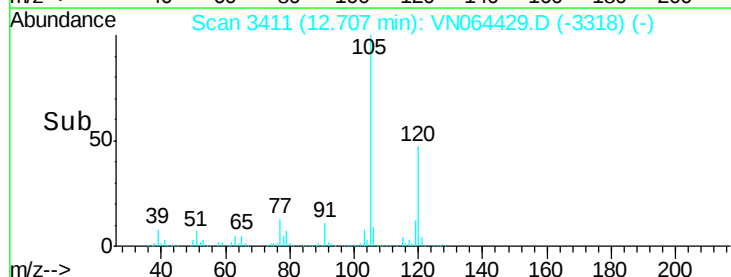
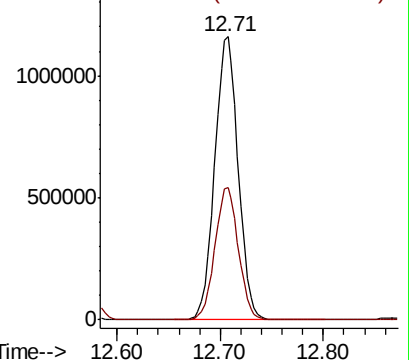
Ion Ratio Lower Upper

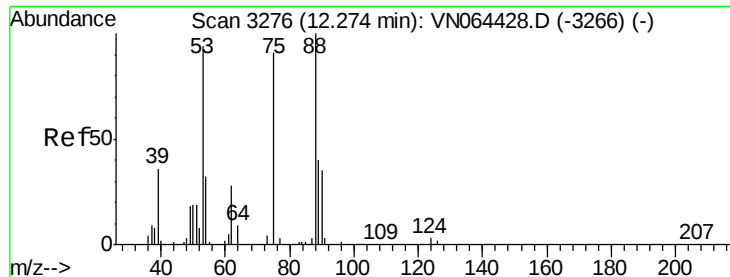
105 100

120 46.8 23.4 70.2



Abundance Ion 105.00 (104.70 to 105.70): VN064429.D (-3318) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 109.116 ug/l

RT: 12.27 min Scan# 3276

Delta R.T. -0.00 min

Lab File: VN064429.D

Acq: 4 Nov 2020 11:24

Instrument :

MSVOA_N

ClientSampled :

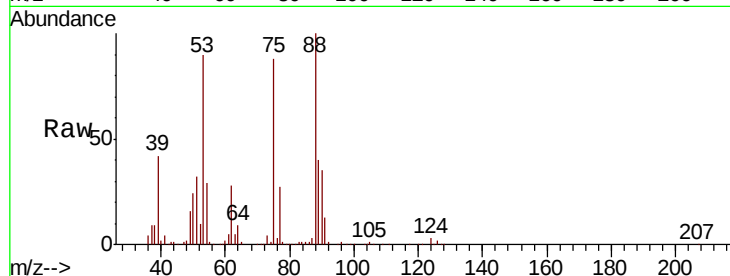
Tot Ion: 75 Resp: 248874

Ion Ratio Lower Upper

75 100

53 104.2 84.0 126.0

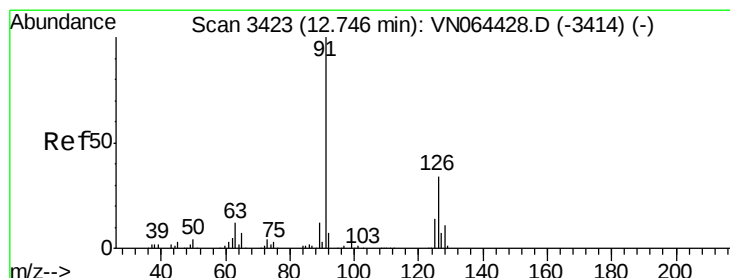
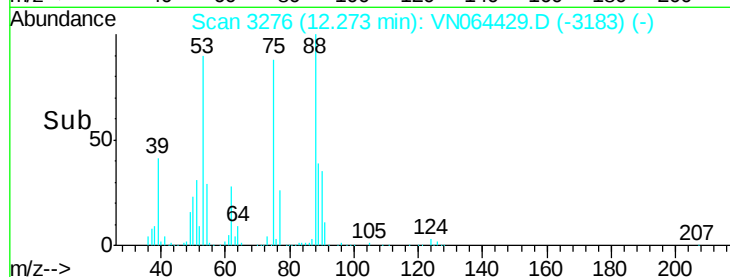
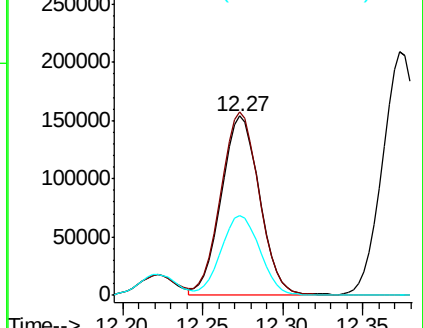
89 46.2 36.3 54.5



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 109.792 ug/l

RT: 12.75 min Scan# 3423

Delta R.T. -0.00 min

Lab File: VN064429.D

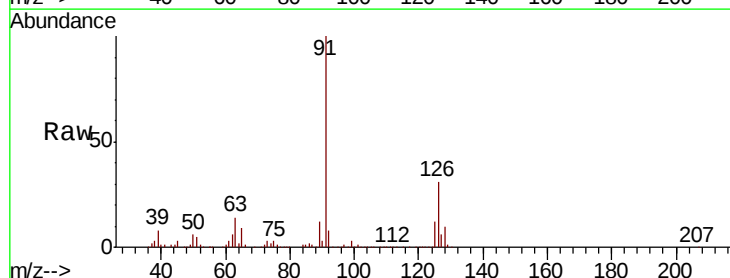
Acq: 4 Nov 2020 11:24

Tgt Ion: 91 Resp: 1680276

Ion Ratio Lower Upper

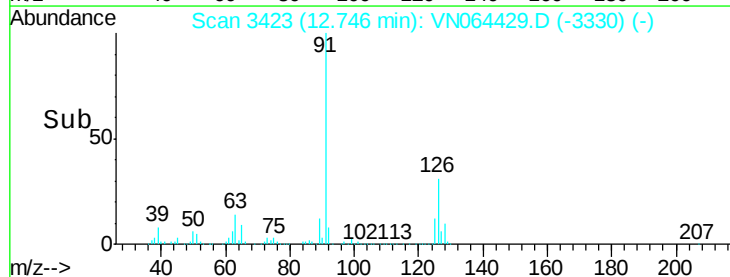
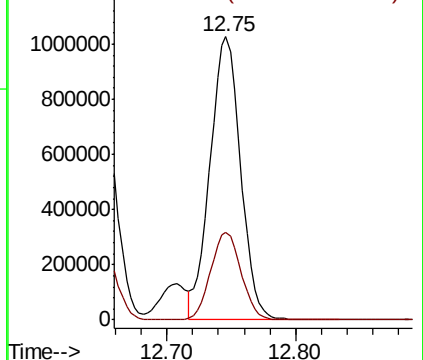
91 100

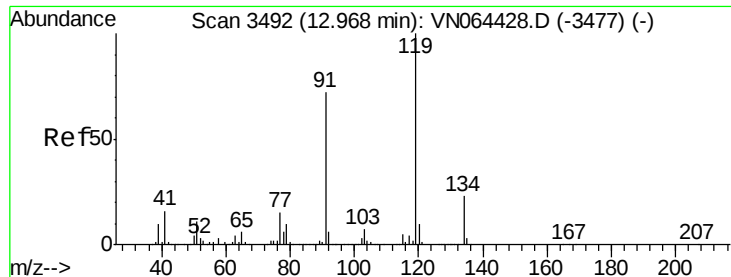
126 30.9 15.4 46.2



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

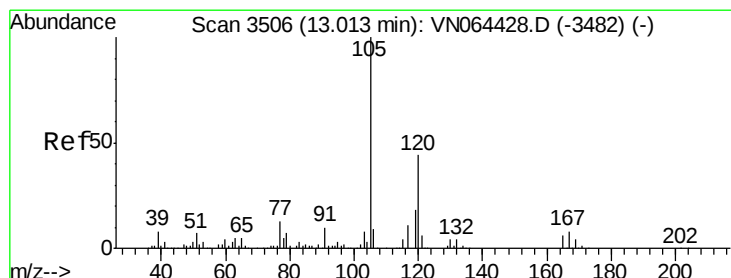
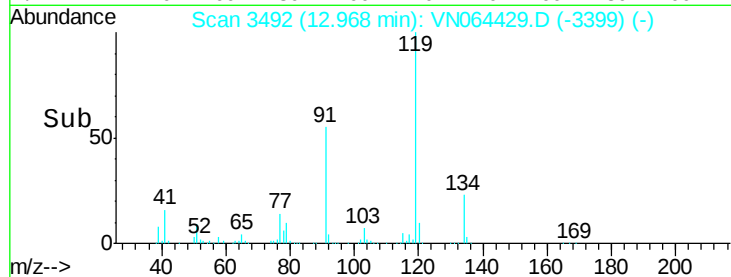
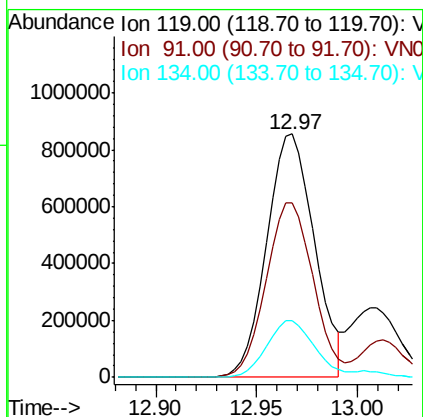
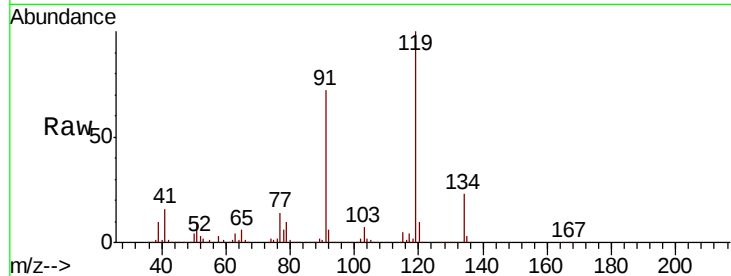




#83
tert-Butylbenzene
Concen: 99.115 ug/l
RT: 12.97 min Scan# 3492
Delta R.T. -0.00 min
Lab File: VN064429.D
Acq: 4 Nov 2020 11:24

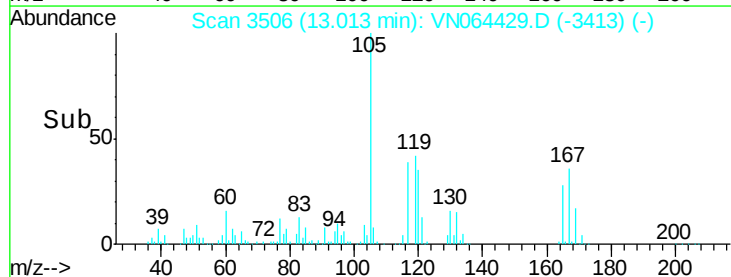
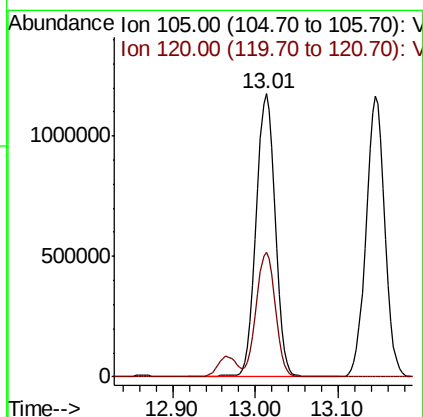
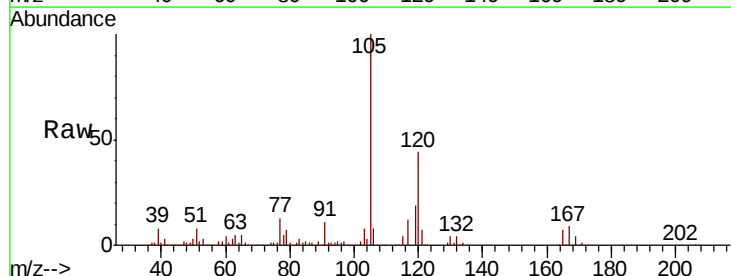
Instrument :
MSVOA_N
ClientSampleId :

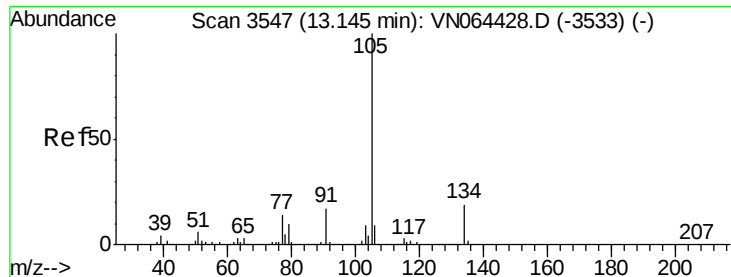
Tot Ion:119 Resp: 1405234
Ion Ratio Lower Upper
119 100
91 71.0 36.1 108.3
134 23.4 11.7 35.1



#84
1,2,4-Trimethylbenzene
Concen: 107.205 ug/l
RT: 13.01 min Scan# 3506
Delta R.T. -0.00 min
Lab File: VN064429.D
Acq: 4 Nov 2020 11:24

Tgt Ion:105 Resp: 1870882
Ion Ratio Lower Upper
105 100
120 43.9 21.9 65.7





#85

sec-Butylbenzene

Concen: 100.619 ug/l

RT: 13.14 min Scan# 3547

Delta R.T. -0.00 min

Lab File: VN064429.D

Acq: 4 Nov 2020 11:24

Instrument :

MSVOA_N

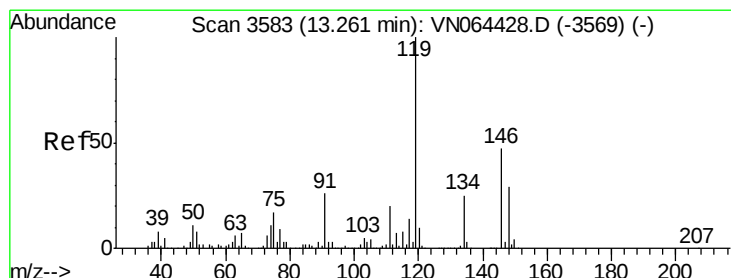
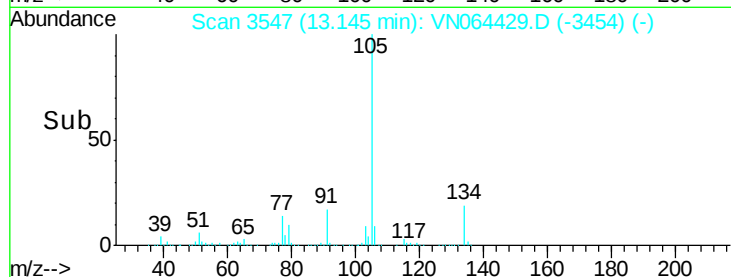
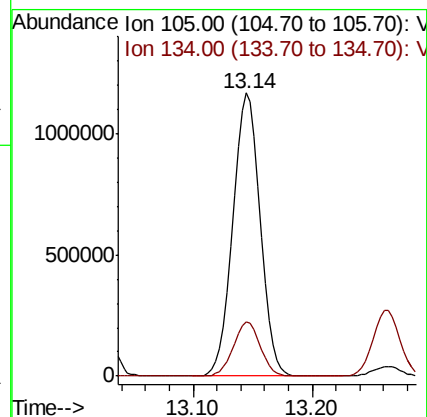
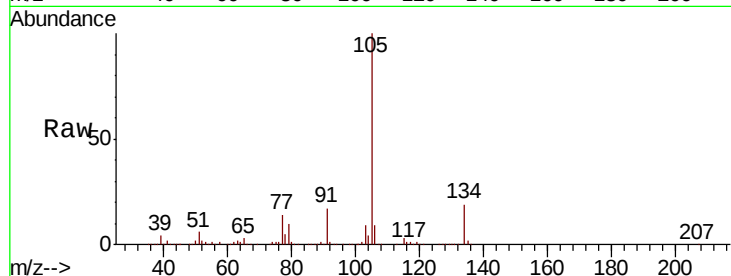
ClientSampleId :

Tot Ion:105 Resp: 1852382

Ion Ratio Lower Upper

105 100

134 18.9 9.4 28.2



#86

p-Isopropyltoluene

Concen: 102.612 ug/l

RT: 13.26 min Scan# 3583

Delta R.T. -0.00 min

Lab File: VN064429.D

Acq: 4 Nov 2020 11:24

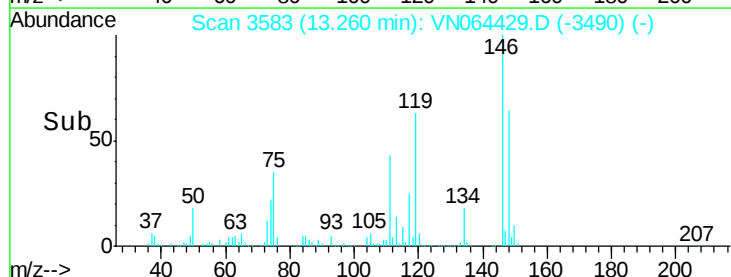
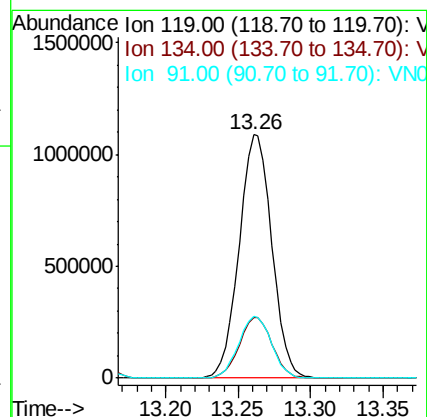
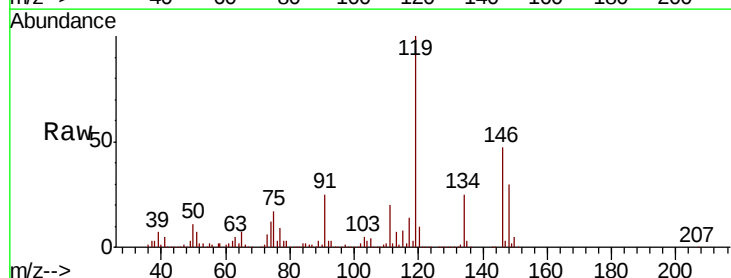
Tgt Ion:119 Resp: 1696938

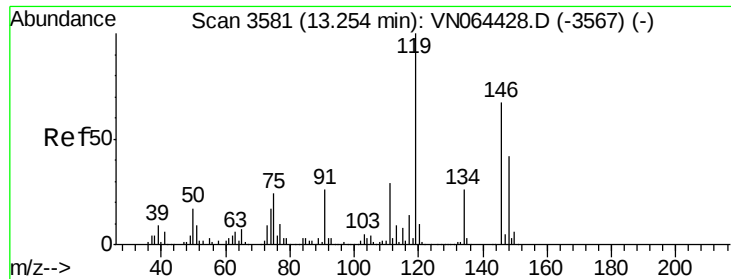
Ion Ratio Lower Upper

119 100

134 25.1 12.6 37.6

91 25.4 12.8 38.3

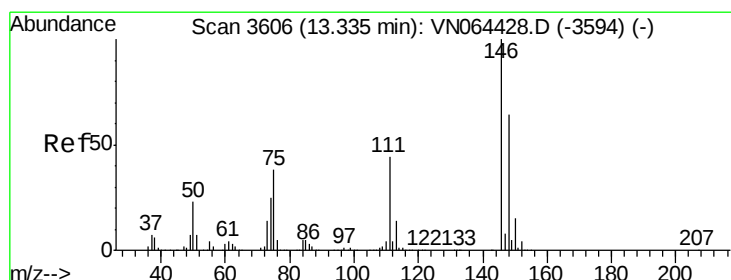
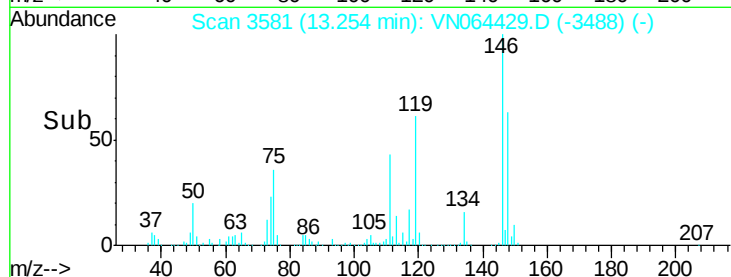
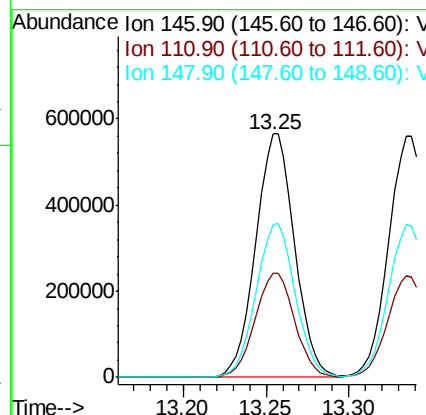
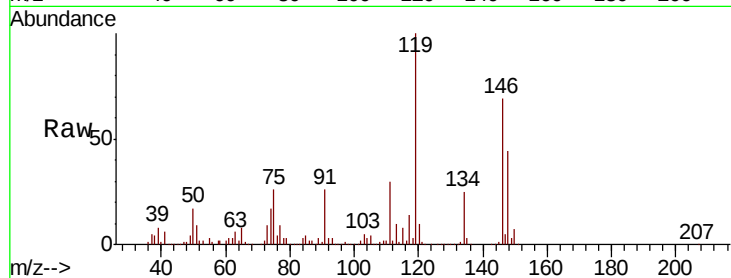




#87
 1,3-Dichlorobenzene
 Concen: 104.681 ug/l
 RT: 13.25 min Scan# 3581
 Delta R.T. -0.00 min
 Lab File: VN064429.D
 Acq: 4 Nov 2020 11:24

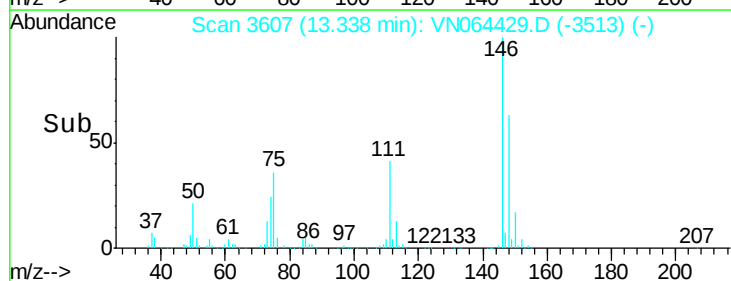
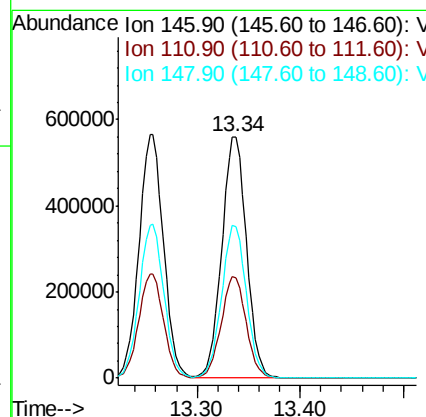
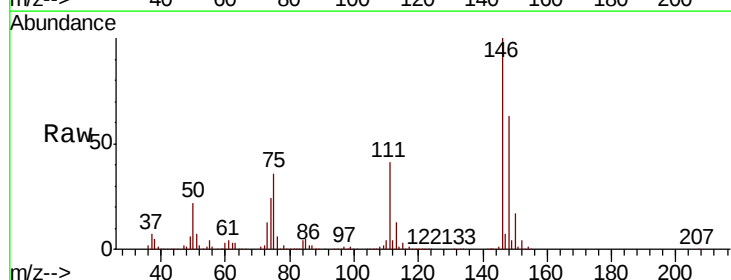
Instrument :
 MSVOA_N
 ClientSampleId :

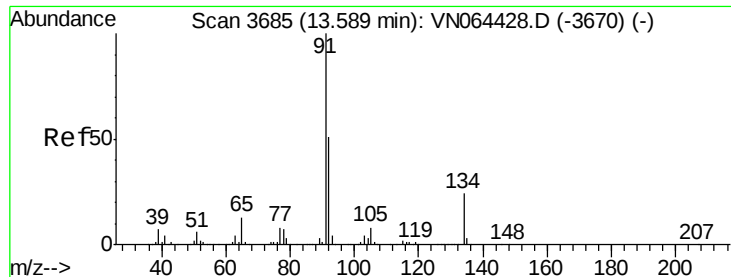
Tot Ion:146 Resp: 924827
 Ion Ratio Lower Upper
 146 100
 111 43.5 22.1 66.1
 148 63.8 31.7 95.1



#88
 1,4-Dichlorobenzene
 Concen: 103.646 ug/l
 RT: 13.34 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VN064429.D
 Acq: 4 Nov 2020 11:24

Tgt Ion:146 Resp: 932711
 Ion Ratio Lower Upper
 146 100
 111 42.1 21.8 65.3
 148 63.2 32.4 97.2





#89

n-Butylbenzene

Concen: 102.346 ug/l

RT: 13.59 min Scan# 3685

Delta R.T. -0.00 min

Lab File: VN064429.D

Acq: 4 Nov 2020 11:24

Instrument :

MSVOA_N

ClientSampled :

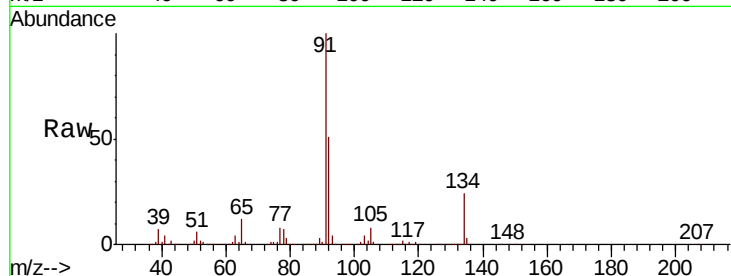
Tot Ion: 91 Resp: 1492822

Ion Ratio Lower Upper

91 100

92 51.8 25.3 75.9

134 23.7 11.8 35.4

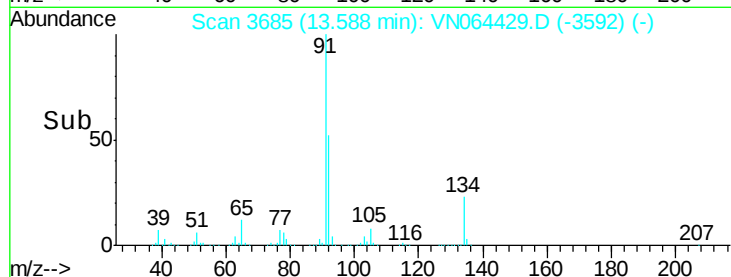


Abundance Ion 91.00 (90.70 to 91.70): VN064429.D (-3592) (-)

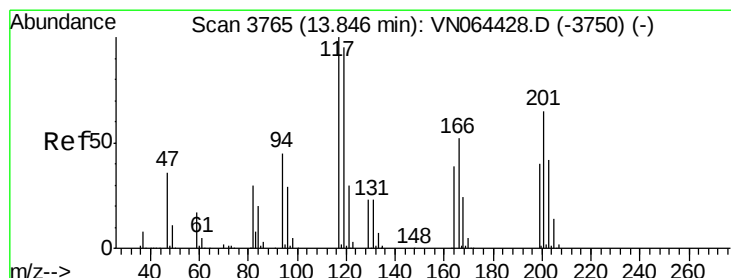
Ion 92.00 (91.70 to 92.70): VN064429.D (-3592) (-)

Ion 134.00 (133.70 to 134.70): VN064429.D (-3592) (-)

Time-->



Time-->



#90

Hexachloroethane

Concen: 100.130 ug/l

RT: 13.85 min Scan# 3765

Delta R.T. -0.00 min

Lab File: VN064429.D

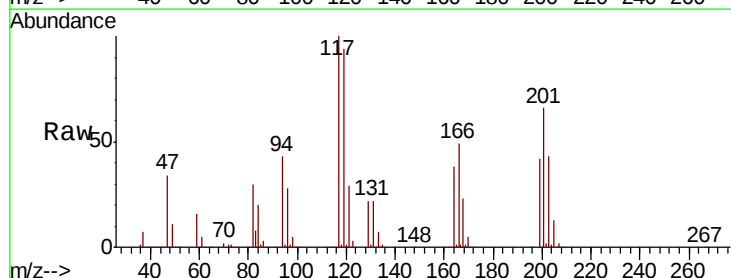
Acq: 4 Nov 2020 11:24

Tgt Ion: 117 Resp: 309107

Ion Ratio Lower Upper

117 100

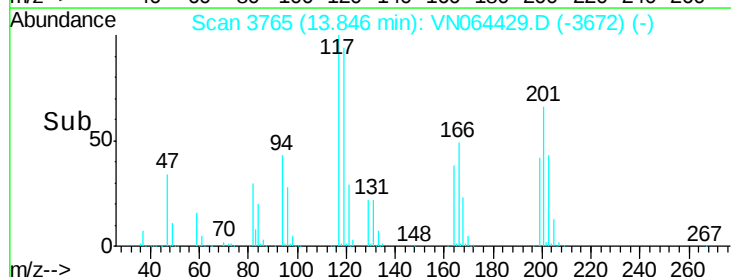
201 66.1 32.5 97.5



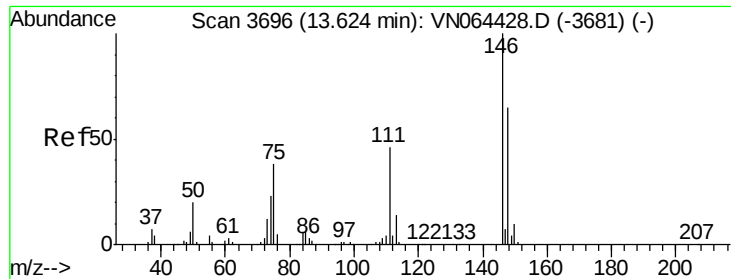
Abundance Ion 116.80 (116.50 to 117.50): VN064429.D (-3672) (-)

Ion 200.70 (200.40 to 201.40): VN064429.D (-3672) (-)

Time-->



Time-->



#91

1,2-Dichlorobenzene

Concen: 101.324 ug/l

RT: 13.62 min Scan# 3696

Delta R.T. -0.00 min

Lab File: VN064429.D

Acq: 4 Nov 2020 11:24

Instrument :

MSVOA_N

ClientSampleId :

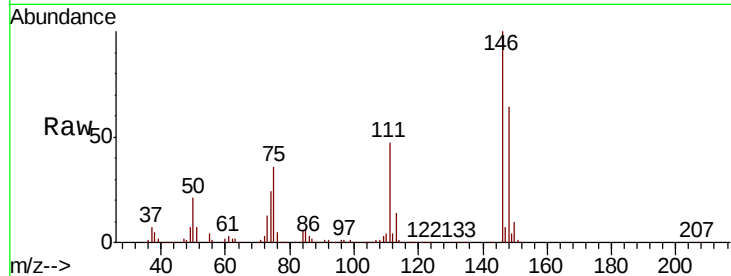
Tot Ion:146 Resp: 890344

Ion Ratio Lower Upper

146 100

111 45.9 22.9 68.7

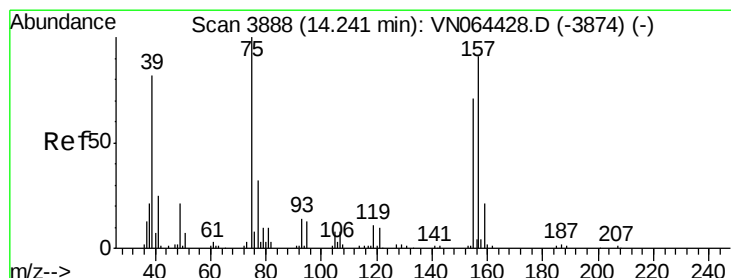
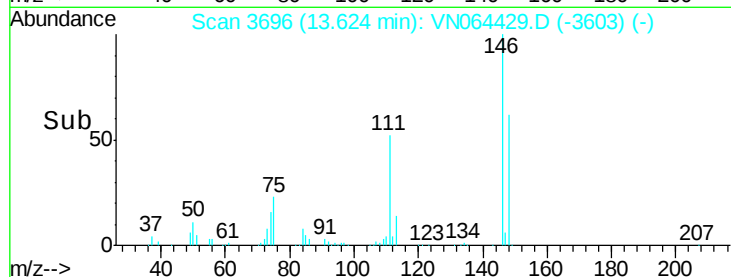
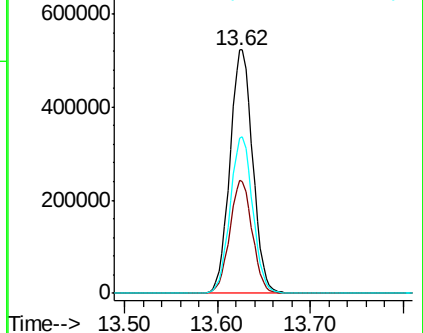
148 64.2 32.0 96.2



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 97.599 ug/l

RT: 14.24 min Scan# 3888

Delta R.T. -0.00 min

Lab File: VN064429.D

Acq: 4 Nov 2020 11:24

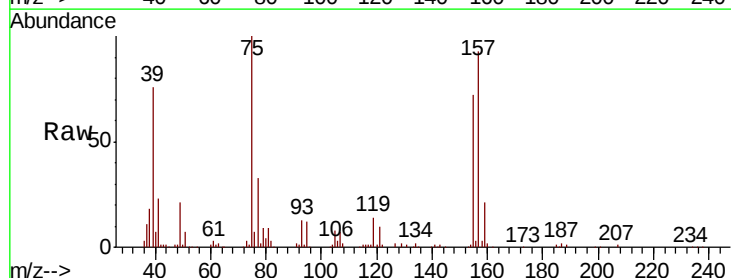
Tgt Ion: 75 Resp: 141411

Ion Ratio Lower Upper

75 100

155 69.6 34.6 103.9

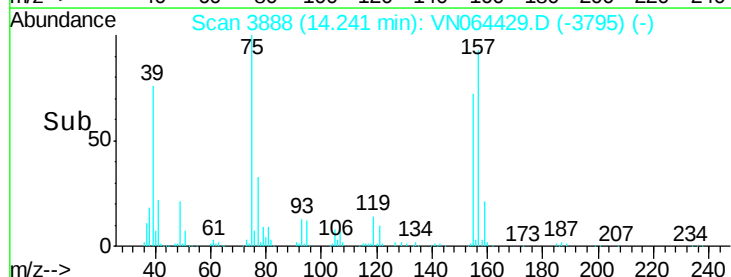
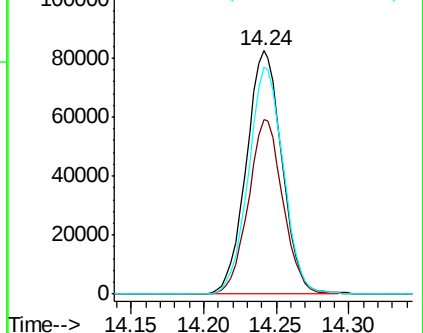
157 91.4 43.0 128.8

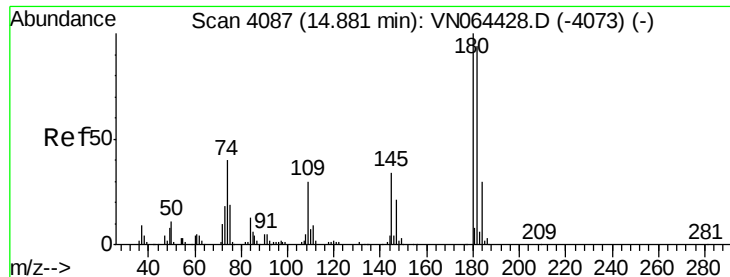


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

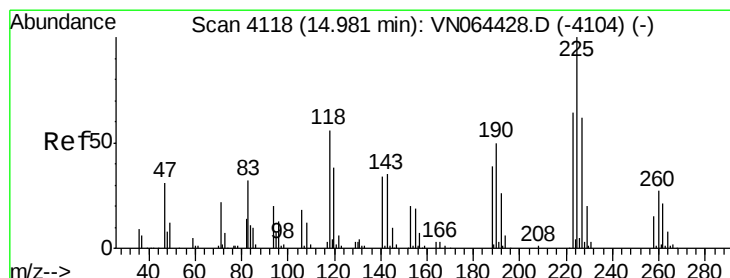
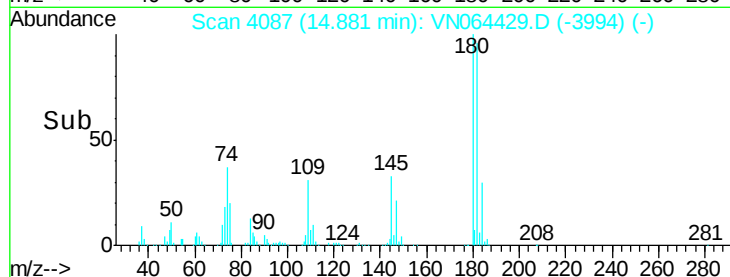
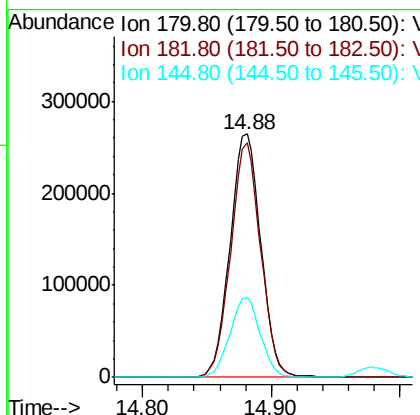
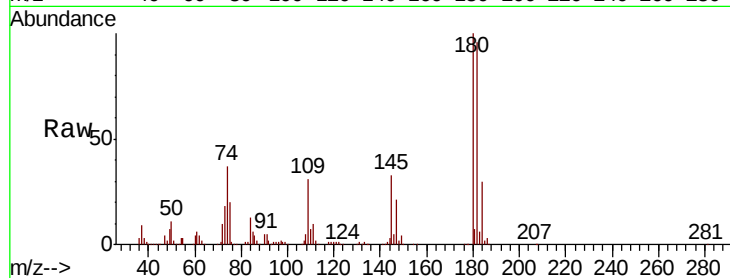




#93
 1,2,4-Trichlorobenzene
 Concen: 103.646 ug/l
 RT: 14.88 min Scan# 4087
 Delta R.T. -0.00 min
 Lab File: VN064429.D
 Acq: 4 Nov 2020 11:24

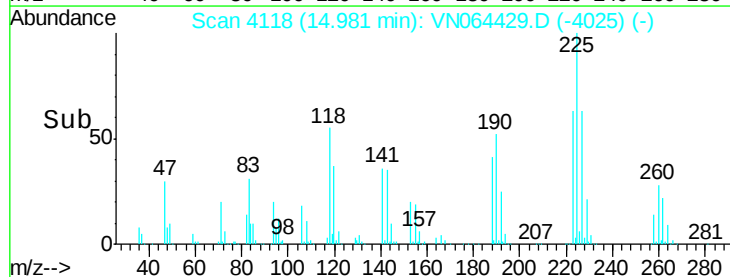
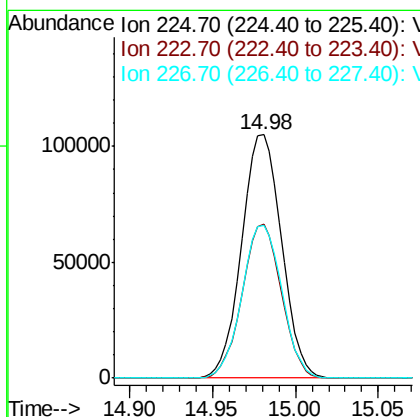
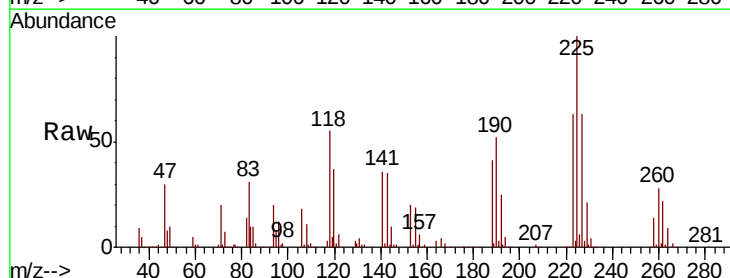
Instrument :
 MSVOA_N
 ClientSampleId :

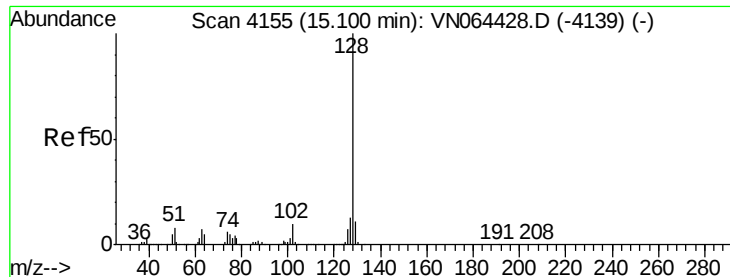
Tot Ion:180 Resp: 437774
 Ion Ratio Lower Upper
 180 100
 182 93.8 47.3 142.0
 145 32.5 16.7 50.1



#94
 Hexachlorobutadiene
 Concen: 69.254 ug/l
 RT: 14.98 min Scan# 4118
 Delta R.T. -0.00 min
 Lab File: VN064429.D
 Acq: 4 Nov 2020 11:24

Tgt Ion:225 Resp: 176607
 Ion Ratio Lower Upper
 225 100
 223 62.0 31.8 95.4
 227 62.8 31.8 95.4





#95

Naphthalene

Concen: 114.117 ug/l

RT: 15.10 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN064429.D

Acq: 4 Nov 2020 11:24

Instrument :

MSVOA_N

ClientSampleId :

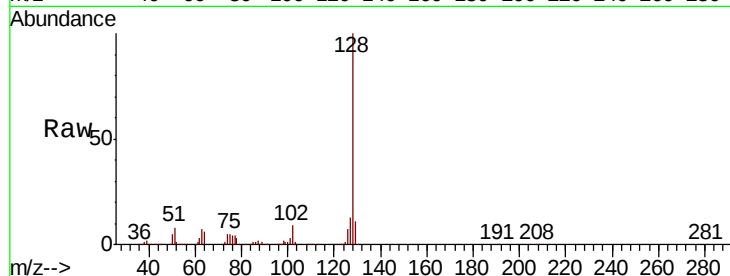
Tot Ion:128 Resp: 1509978

Ion Ratio Lower Upper

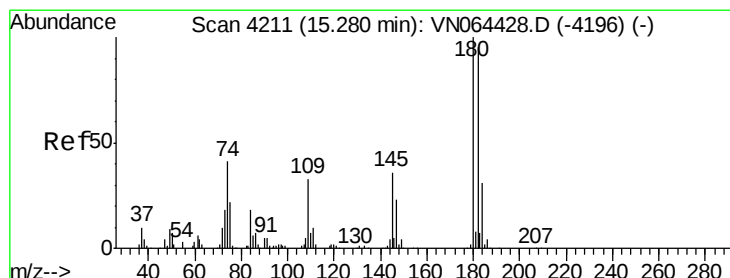
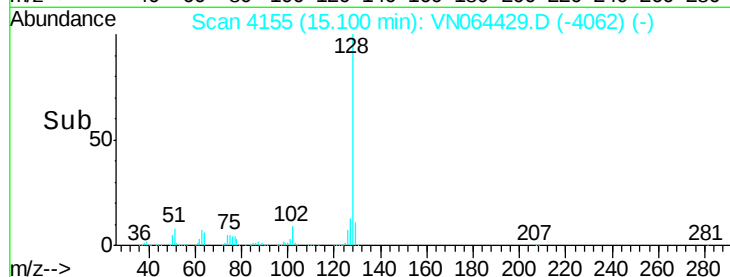
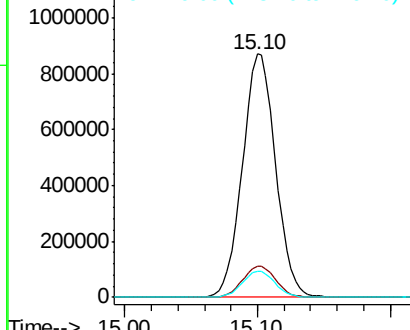
128 100

127 12.9 10.5 15.7

129 10.7 8.8 13.2



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



#96

1,2,3-Trichlorobenzene

Concen: 103.725 ug/l

RT: 15.28 min Scan# 4211

Delta R.T. -0.00 min

Lab File: VN064429.D

Acq: 4 Nov 2020 11:24

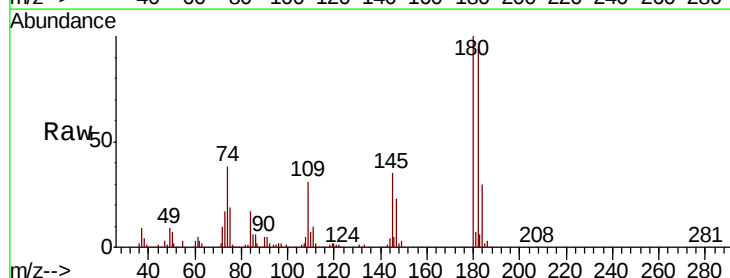
Tgt Ion:180 Resp: 423115

Ion Ratio Lower Upper

180 100

182 93.6 47.7 143.1

145 34.7 18.3 54.8



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

