

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102820\
 Data File : VN064346.D
 Acq On : 28 Oct 2020 12:47
 Operator : JC/MD
 Sample : VN1028WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1028WBSD01

Quant Time: Oct 29 02:40:25 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N102720W.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 27 12:23:17 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	223331	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	372549	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	335737	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	161773	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.98	65	189601	52.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.66%	
35) Dibromofluoromethane	7.55	113	125136	50.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.74%	
50) Toluene-d8	10.06	98	451275	49.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.22%	
62) 4-Bromofluorobenzene	12.38	95	175580	49.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.00%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.83	85	49172	19.154	ug/l	99
3) Chloromethane	2.03	50	50785	18.300	ug/l	96
4) Vinyl Chloride	2.16	62	50791	18.922	ug/l	96
5) Bromomethane	2.53	94	33849	19.516	ug/l	99
6) Chloroethane	2.67	64	32146	20.042	ug/l	98
7) Trichlorofluoromethane	2.98	101	85353	18.981	ug/l	97
8) Diethyl Ether	3.37	74	28754	20.213	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.72	101	45117	19.962	ug/l	95
10) Methyl Iodide	3.90	142	47837	15.861	ug/l	99
11) Tert butyl alcohol	4.73	59	54097	103.836	ug/l #	80
12) 1,1-Dichloroethene	3.69	96	38433	18.013	ug/l	95
13) Acrolein	3.57	56	6183	68.501	ug/l	100
14) Allyl chloride	4.27	41	81822	18.781	ug/l	97
15) Acrylonitrile	4.93	53	114958	102.607	ug/l	98
16) Acetone	3.78	43	120876	94.214	ug/l	95
17) Carbon Disulfide	4.01	76	111360	17.640	ug/l	96
18) Methyl Acetate	4.28	43	52753	19.567	ug/l	98
19) Methyl tert-butyl Ether	4.99	73	166293	20.285	ug/l	98
20) Methylene Chloride	4.51	84	47526	18.673	ug/l	93
21) trans-1,2-Dichloroethene	4.99	96	44964	18.891	ug/l #	89
22) Diisopropyl ether	5.90	45	168036	19.733	ug/l	95
23) Vinyl Acetate	5.84	43	750959	104.236	ug/l	100
24) 1,1-Dichloroethane	5.79	63	90388	18.969	ug/l	96
25) 2-Butanone	6.78	43	180146	99.970	ug/l	96
26) 2,2-Dichloropropane	6.78	77	84816	18.187	ug/l	99
27) cis-1,2-Dichloroethene	6.78	96	55023	20.199	ug/l	98
28) Bromochloromethane	7.15	49	46126	20.317	ug/l	98
29) Tetrahydrofuran	7.16	42	110829	94.738	ug/l	98
30) Chloroform	7.33	83	99756	19.613	ug/l	97
31) Cyclohexane	7.61	56	78519	18.851	ug/l	95
32) 1,1,1-Trichloroethane	7.53	97	92482	18.935	ug/l	99
36) 1,1-Dichloropropene	7.75	75	71262	18.953	ug/l	97
37) Ethyl Acetate	6.88	43	70960	18.684	ug/l	96
38) Carbon Tetrachloride	7.73	117	83096	19.063	ug/l	95

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 Misc : 5.00mL/MSVOA N/WATER
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 Quant Title : SW846 8260
 QLast Update : Tue Oct 27 12:23:17 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	70288	18.854	ug/l	93
40) Benzene	8.00	78	198188	18.937	ug/l	98
41) Methacrylonitrile	7.16	41	107697	57.126	ug/l #	34
42) 1,2-Dichloroethane	8.08	62	89634	19.827	ug/l	100
43) Isopropyl Acetate	8.13	43	132303	20.379	ug/l #	91
44) Trichloroethene	8.80	130	53686	19.582	ug/l	97
45) 1,2-Dichloropropane	9.08	63	54078	19.296	ug/l	98
46) Dibromomethane	9.17	93	37808	19.284	ug/l	94
47) Bromodichloromethane	9.37	83	80832	18.603	ug/l	98
48) Methyl methacrylate	9.16	41	65311	19.499	ug/l	99
49) 1,4-Dioxane	9.16	88	18624	377.234	ug/l	93
51) 4-Methyl-2-Pentanone	9.95	43	372564	98.725	ug/l	99
52) Toluene	10.12	92	124418	18.840	ug/l	97
53) t-1,3-Dichloropropene	10.35	75	87080	18.954	ug/l	98
54) cis-1,3-Dichloropropene	9.81	75	93150	19.696	ug/l	98
55) 1,1,2-Trichloroethane	10.53	97	52049	19.966	ug/l	98
56) Ethyl methacrylate	10.40	69	73716	18.680	ug/l	98
57) 1,3-Dichloropropane	10.68	76	86631	19.481	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.66	63	192654	89.466	ug/l	98
59) 2-Hexanone	10.72	43	269075	96.811	ug/l	98
60) Dibromochloromethane	10.87	129	58346	18.930	ug/l	100
61) 1,2-Dibromoethane	10.97	107	52574	19.793	ug/l	99
64) Tetrachloroethene	10.60	164	52430	19.000	ug/l	97
65) Chlorobenzene	11.40	112	136403	20.040	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.48	131	52709	19.159	ug/l	97
67) Ethyl Benzene	11.48	91	244621	19.331	ug/l	98
68) m/p-Xylenes	11.59	106	180164	38.418	ug/l	98
69) o-Xylene	11.92	106	84687	18.744	ug/l	99
70) Styrene	11.94	104	147951	19.973	ug/l	98
71) Bromoform	12.10	173	41332	19.142	ug/l #	96
73) Isopropylbenzene	12.22	105	232333	19.175	ug/l	98
74) N-amyl acetate	12.05	43	107326	20.124	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.48	83	70217	19.937	ug/l	97
76) 1,2,3-Trichloropropane	12.53	75	101331	26.156	ug/l #	100
77) Bromobenzene	12.50	156	58347	19.666	ug/l	99
78) n-propylbenzene	12.56	91	261344	19.052	ug/l	97
79) 2-Chlorotoluene	12.65	91	167205	19.068	ug/l	99
80) 1,3,5-Trimethylbenzene	12.71	105	192991	18.824	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.27	75	25472	18.940	ug/l	95
82) 4-Chlorotoluene	12.75	91	172154	19.272	ug/l	99
83) tert-Butylbenzene	12.97	119	156271	18.575	ug/l	95
84) 1,2,4-Trimethylbenzene	13.01	105	196849	19.216	ug/l	100
85) sec-Butylbenzene	13.14	105	200377	18.406	ug/l	98
86) p-Isopropyltoluene	13.26	119	184163	18.777	ug/l	98
87) 1,3-Dichlorobenzene	13.26	146	99119	19.083	ug/l	97
88) 1,4-Dichlorobenzene	13.33	146	102388	19.354	ug/l	98
89) n-Butylbenzene	13.59	91	160732	18.603	ug/l	99
90) Hexachloroethane	13.85	117	33242	18.047	ug/l	91
91) 1,2-Dichlorobenzene	13.63	146	99004	19.173	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.24	75	18051	20.656	ug/l	98

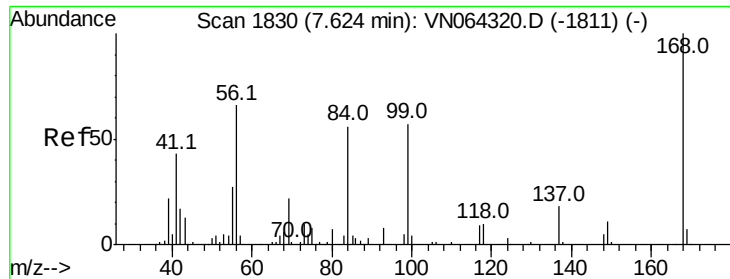
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102820\
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Quant Title : SW846 8260
QLast Update : Tue Oct 27 12:23:17 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	51912	18.804	ug/l	97
94) Hexachlorobutadiene	14.98	225	29720	18.755	ug/l	97
95) Naphthalene	15.10	128	161109	19.166	ug/l	99
96) 1,2,3-Trichlorobenzene	15.28	180	51800	19.499	ug/l	100

(#) = 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: VN064346.D

Acq: 28 Oct 2020 12:47

Instrument :

MSVOA_N

ClientSampleId :

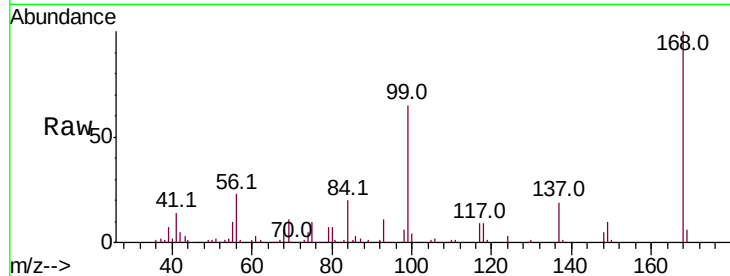
VN1028WBSD01

Tot Ion:168 Resp: 223331

Ion Ratio Lower Upper

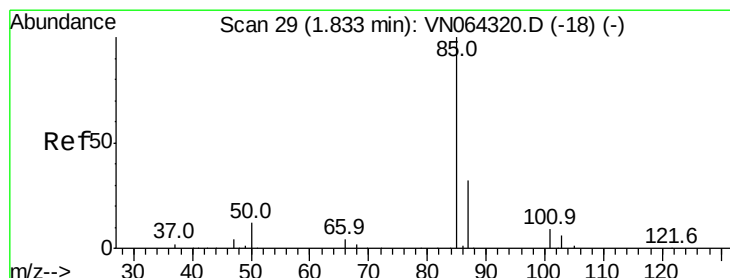
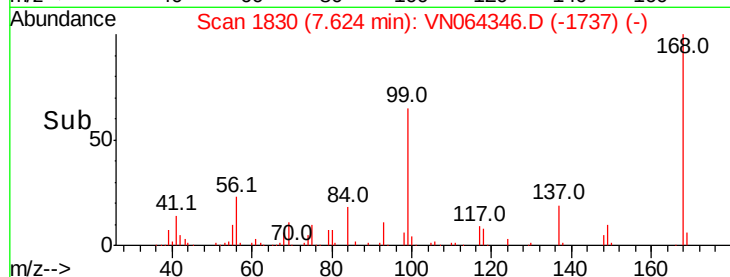
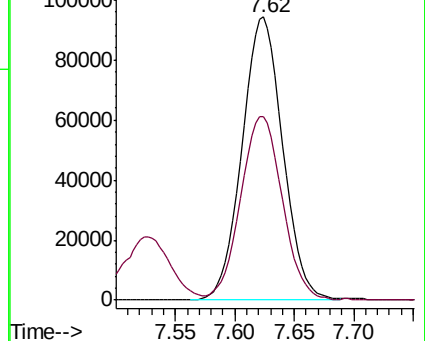
168 100

99 64.5 52.7 79.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#2

Dichlorodifluoromethane

Concen: 19.154 ug/l

RT: 1.83 min Scan# 28

Delta R.T. -0.00 min

Lab File: VN064346.D

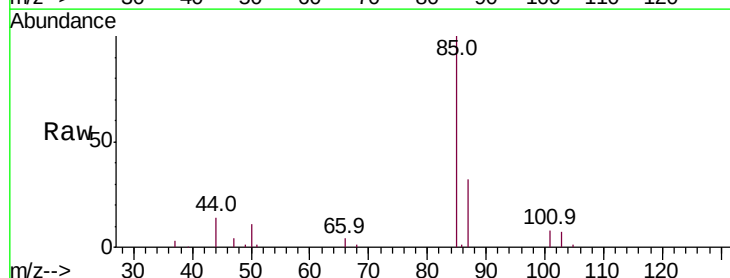
Acq: 28 Oct 2020 12:47

Tgt Ion: 85 Resp: 49172

Ion Ratio Lower Upper

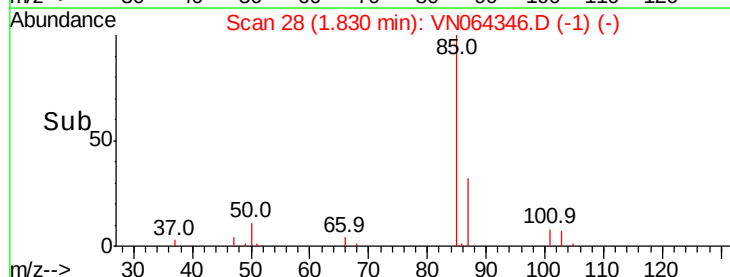
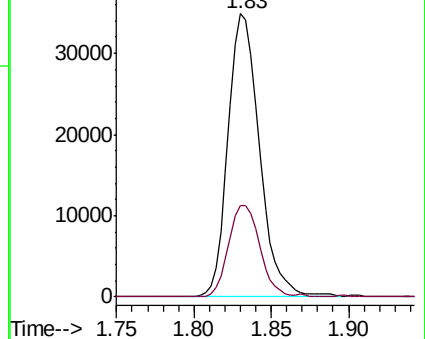
85 100

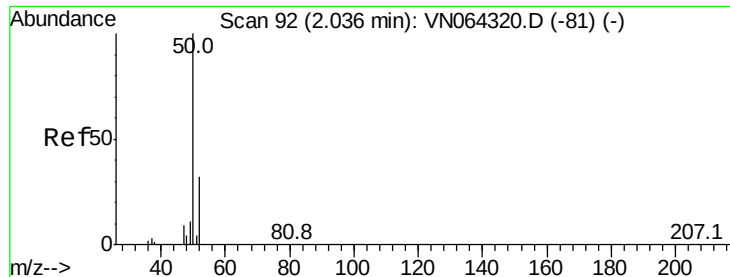
87 32.3 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN





#3

Chloromethane

Concen: 18.300 ug/l

RT: 2.03 min Scan# 91

Delta R.T. -0.00 min

Lab File: VN064346.D

Acq: 28 Oct 2020 12:47

Instrument :

MSVOA_N

ClientSampleId :

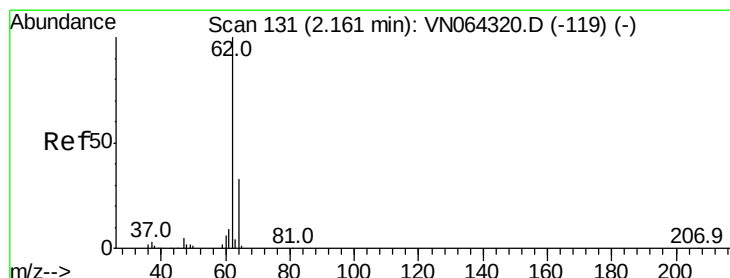
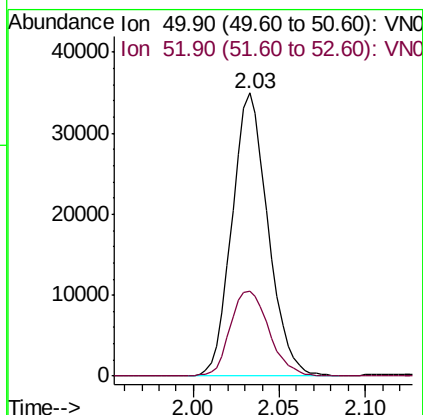
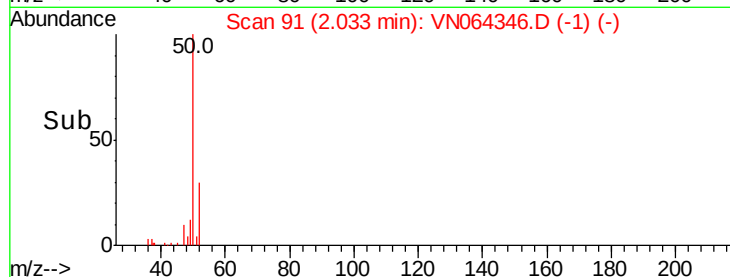
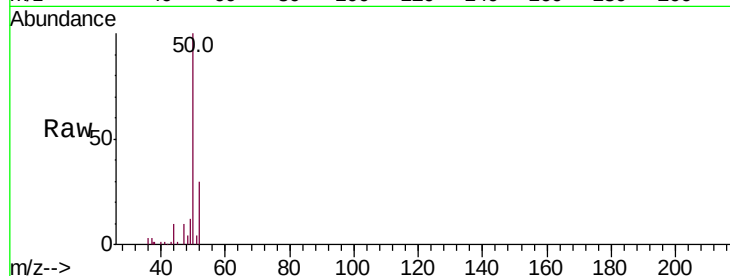
VN1028WBSD01

Tot Ion: 50 Resp: 50785

Ion Ratio Lower Upper

50 100

52 29.9 25.6 38.4



#4

Vinyl Chloride

Concen: 18.922 ug/l

RT: 2.16 min Scan# 131

Delta R.T. 0.00 min

Lab File: VN064346.D

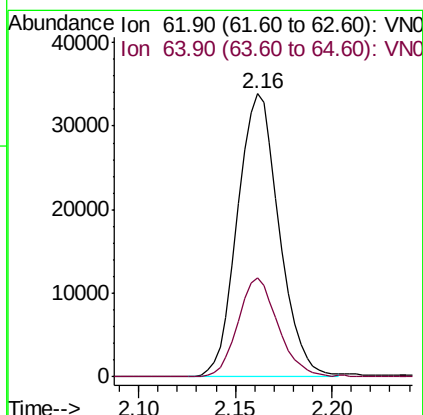
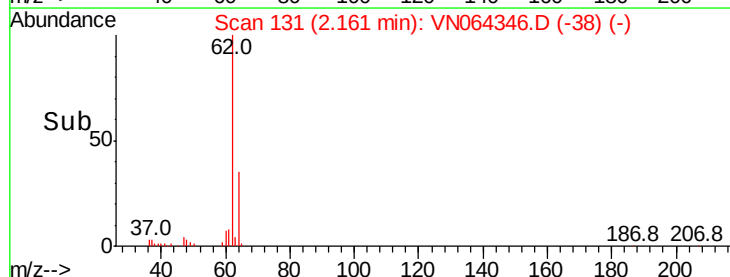
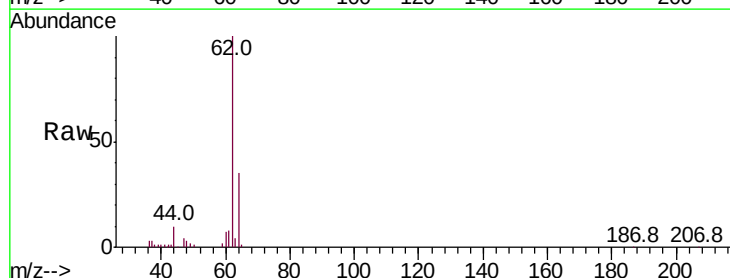
Acq: 28 Oct 2020 12:47

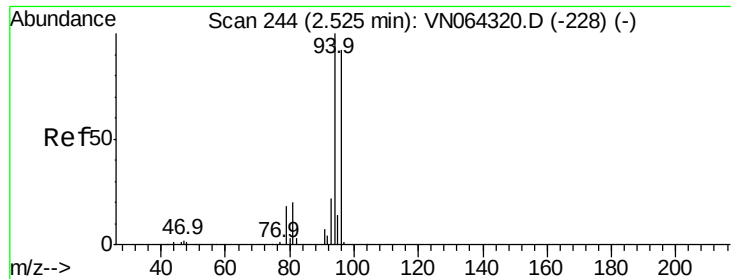
Tgt Ion: 62 Resp: 50791

Ion Ratio Lower Upper

62 100

64 34.9 26.2 39.4





#5

Bromomethane

Concen: 19.516 ug/l

RT: 2.53 min Scan# 246

Delta R.T. 0.01 min

Lab File: VN064346.D

Acq: 28 Oct 2020 12:47

Instrument :

MSVOA_N

ClientSampleId :

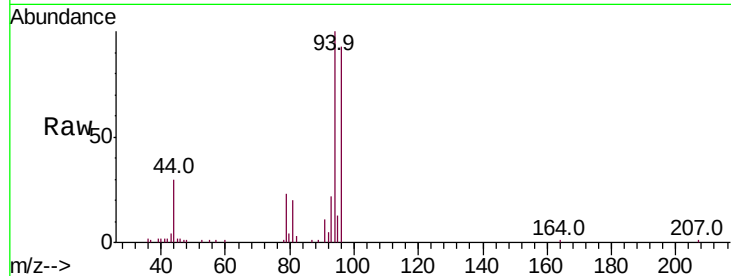
VN1028WBSD01

Tot Ion: 94 Resp: 33849

Ion Ratio Lower Upper

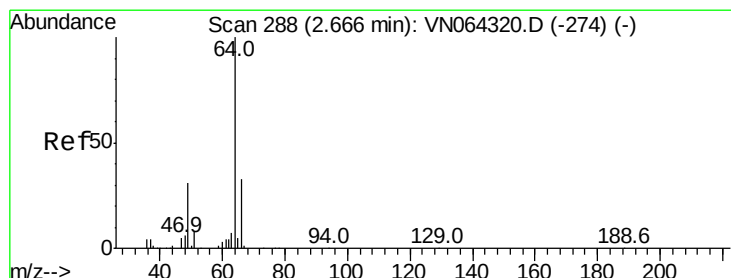
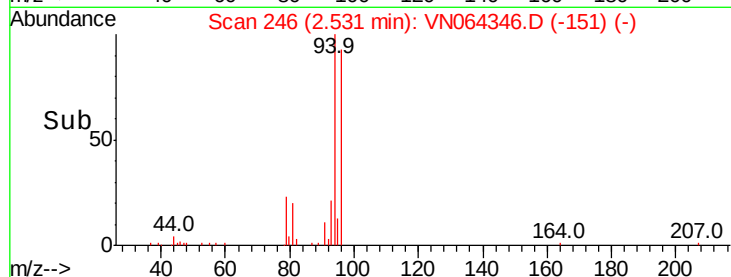
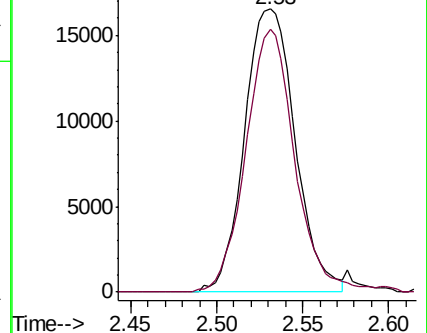
94 100

96 92.8 73.6 110.4



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 20.042 ug/l

RT: 2.67 min Scan# 289

Delta R.T. 0.00 min

Lab File: VN064346.D

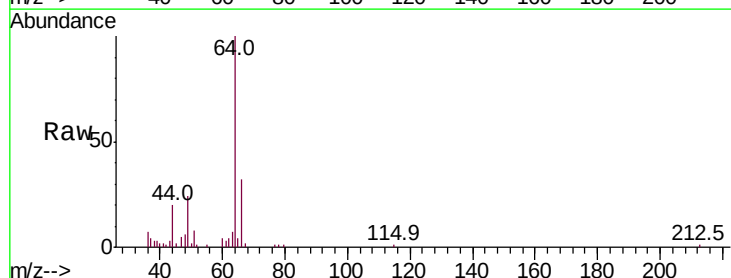
Acq: 28 Oct 2020 12:47

Tgt Ion: 64 Resp: 32146

Ion Ratio Lower Upper

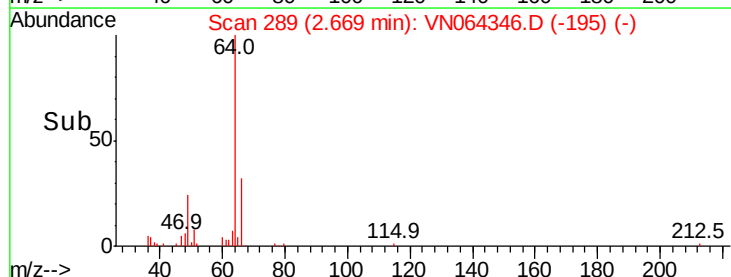
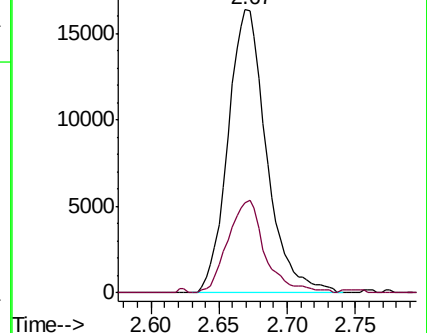
64 100

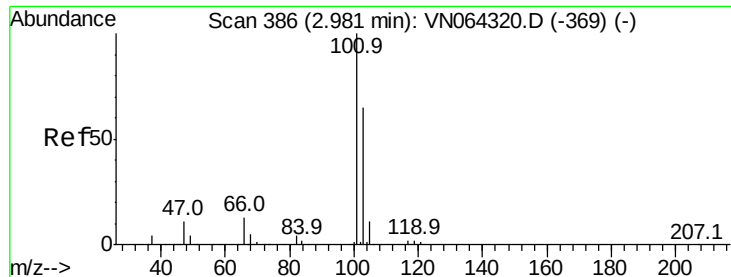
66 31.7 26.5 39.7



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



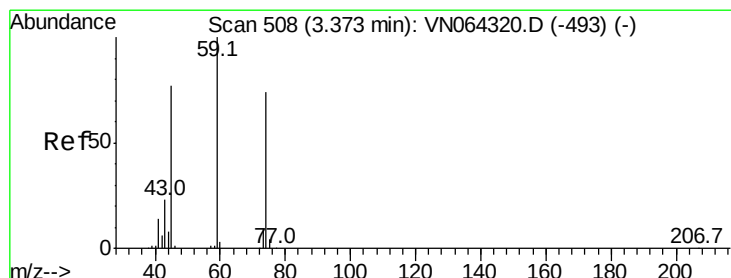
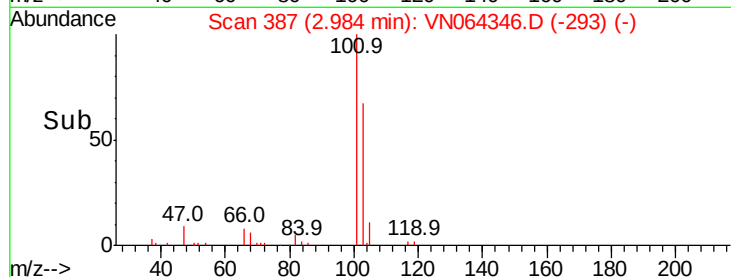
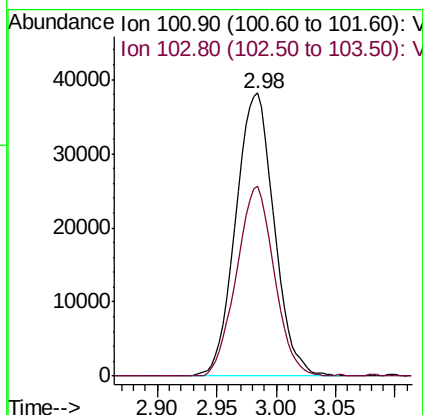
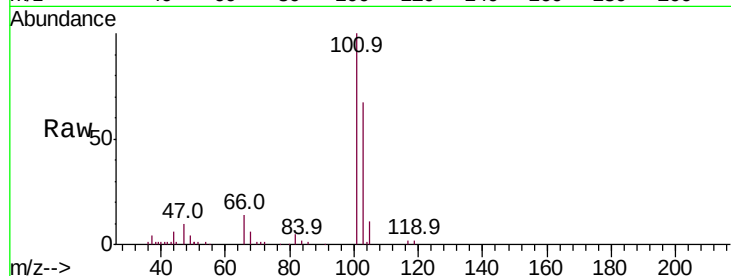


#7

Trichlorofluoromethane
 Concen: 18.981 ug/l
 RT: 2.98 min Scan# 387
 Delta R.T. 0.00 min
 Lab File: VN064346.D
 Acq: 28 Oct 2020 12:47

Instrument :
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 VN1028WBSD01

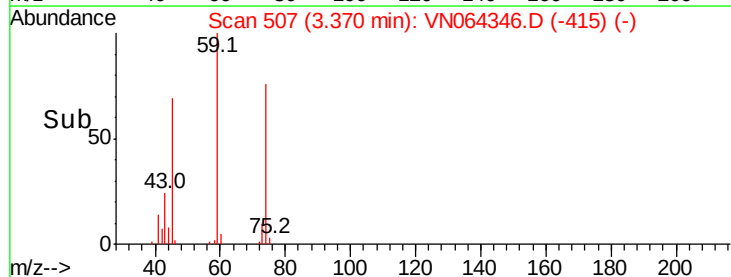
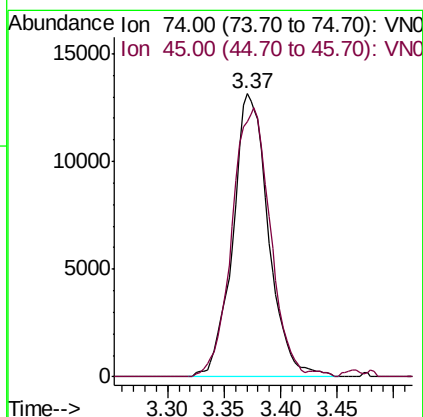
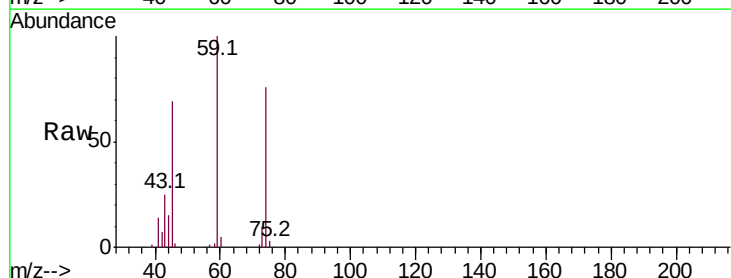
Tot Ion:101 Resp: 85353
 Ion Ratio Lower Upper
 101 100
 103 67.1 51.7 77.5

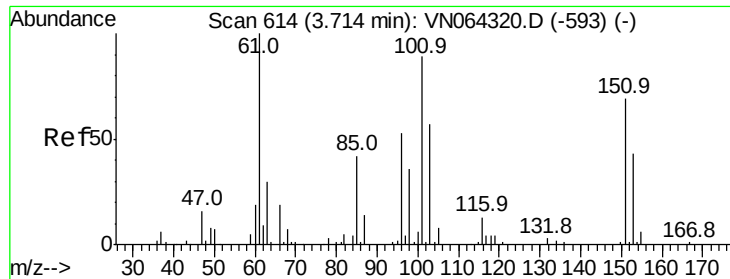


#8

Diethyl Ether
 Concen: 20.213 ug/l
 RT: 3.37 min Scan# 507
 Delta R.T. -0.00 min
 Lab File: VN064346.D
 Acq: 28 Oct 2020 12:47

Tgt Ion: 74 Resp: 28754
 Ion Ratio Lower Upper
 74 100
 45 102.2 51.3 154.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.962 ug/l

RT: 3.72 min Scan# 616

Delta R.T. 0.01 min

Lab File: VN064346.D

Acq: 28 Oct 2020 12:47

Instrument :

MSVOA_N

ClientSampleId :

VN1028WBSD01

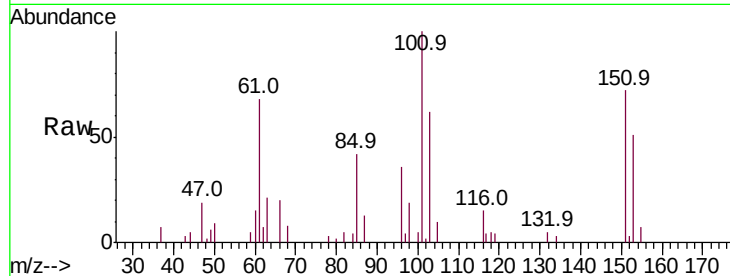
Tot Ion:101 Resp: 45117

Ion Ratio Lower Upper

101 100

85 45.1 38.4 57.6

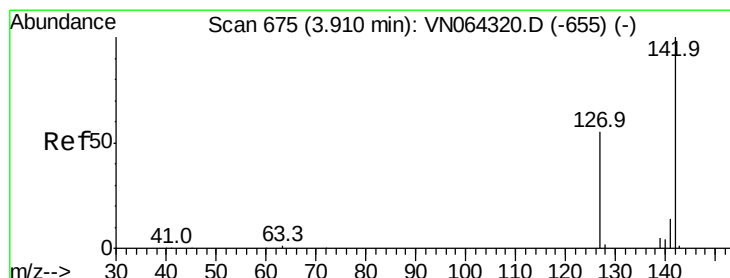
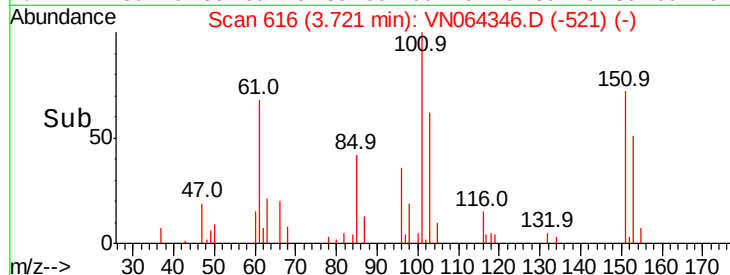
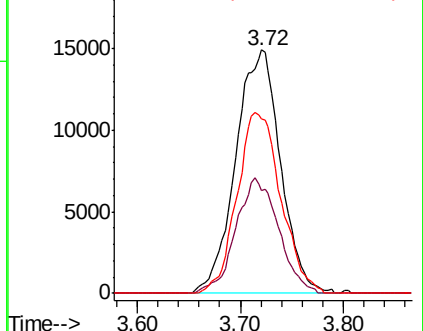
151 72.6 62.0 93.0



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: 15.861 ug/l

RT: 3.90 min Scan# 673

Delta R.T. -0.01 min

Lab File: VN064346.D

Acq: 28 Oct 2020 12:47

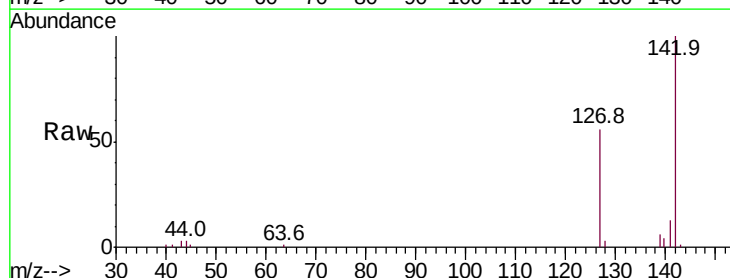
Tgt Ion:142 Resp: 47837

Ion Ratio Lower Upper

142 100

127 53.6 43.3 64.9

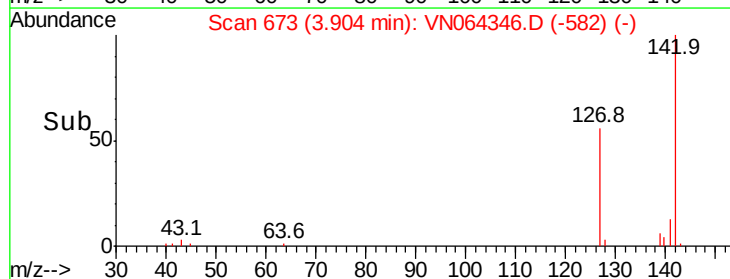
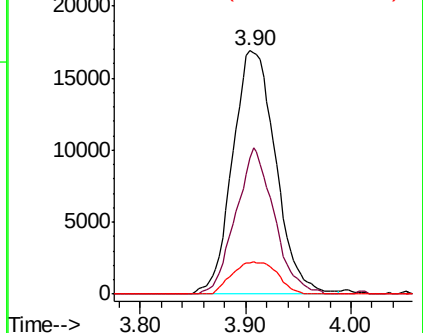
141 14.0 11.5 17.3

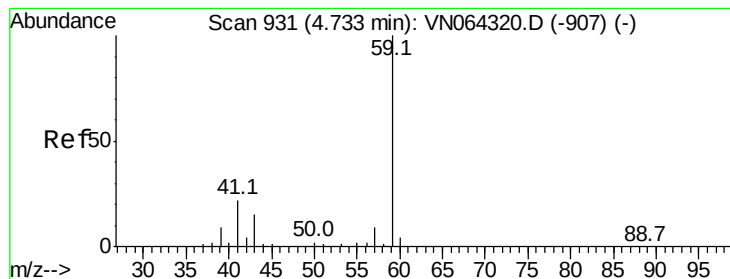


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 103.836 ug/l

RT: 4.73 min Scan# 930

Delta R.T. -0.00 min

Lab File: VN064346.D

Acq: 28 Oct 2020 12:47

Instrument :

MSVOA_N

ClientSampleId :

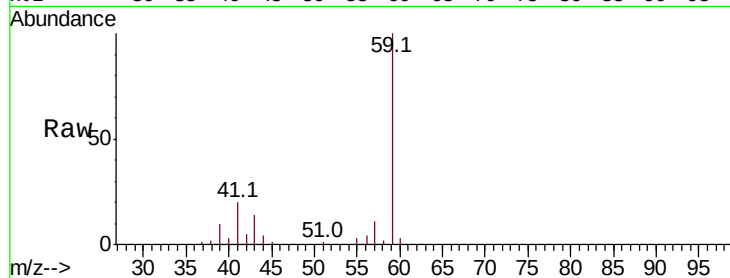
VN1028WBSD01

Tot Ion: 59 Resp: 54097

Ion Ratio Lower Upper

59 100

57 3.8 9.4 14.0#



Abundance Ion 59.00 (58.70 to 59.70): VN064320.D (-907) (-)

Ion 57.00 (56.70 to 57.70): VN064320.D (-907) (-)

4.73

15000

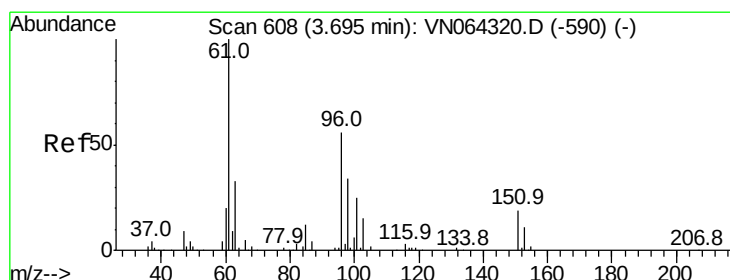
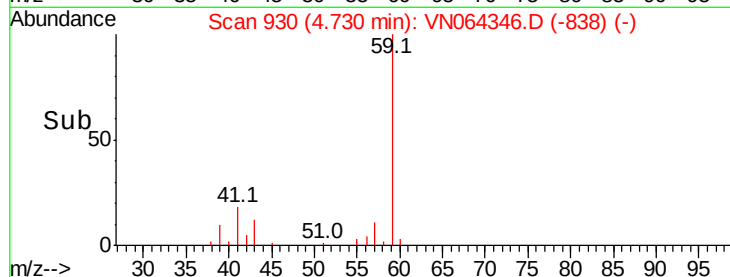
10000

5000

0

Time-->

4.60 4.70 4.80



#12

1,1-Dichloroethene

Concen: 18.013 ug/l

RT: 3.69 min Scan# 606

Delta R.T. -0.01 min

Lab File: VN064346.D

Acq: 28 Oct 2020 12:47

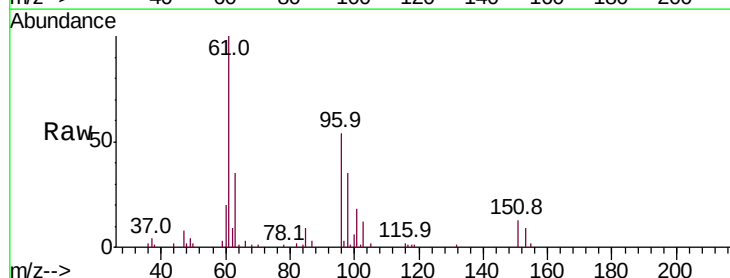
Tgt Ion: 96 Resp: 38433

Ion Ratio Lower Upper

96 100

61 186.2 143.6 215.4

98 65.4 48.6 73.0



Abundance Ion 95.90 (95.60 to 96.60): VN064320.D (-590) (-)

Ion 60.90 (60.60 to 61.60): VN064320.D (-590) (-)

Ion 97.90 (97.60 to 98.60): VN064320.D (-590) (-)

40000

30000

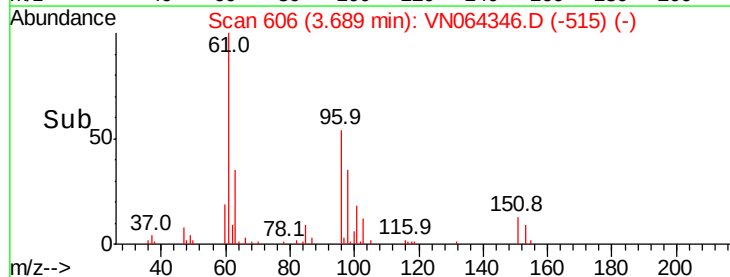
20000

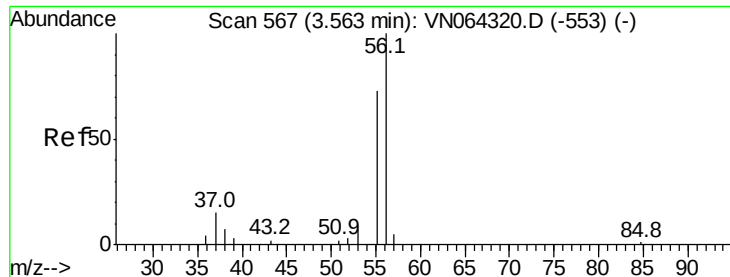
10000

0

Time-->

3.60 3.65 3.70 3.75 3.80





#13

Acrolein

Concen: 68.501 ug/l

RT: 3.57 min Scan# 570

Delta R.T. 0.01 min

Lab File: VN064346.D

Acq: 28 Oct 2020 12:47

Instrument :

MSVOA_N

ClientSampleId :

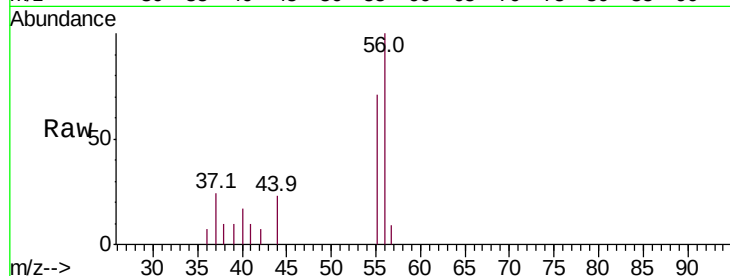
VN1028WBSD01

Tot Ion: 56 Resp: 6183

Ion Ratio Lower Upper

56 100

55 78.2 62.6 94.0

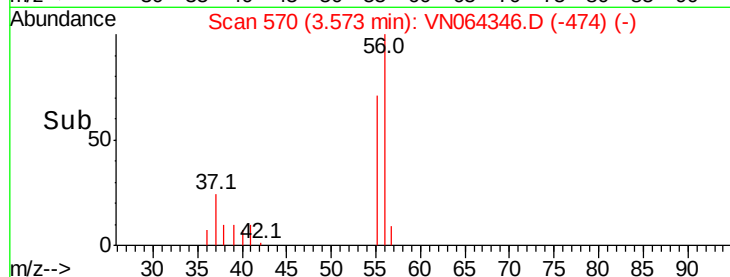


Abundance Ion 56.00 (55.70 to 56.70): VN064320.D (-553) (-)

Ion 55.00 (54.70 to 55.70): VN064320.D (-553) (-)

3.57

Time-->



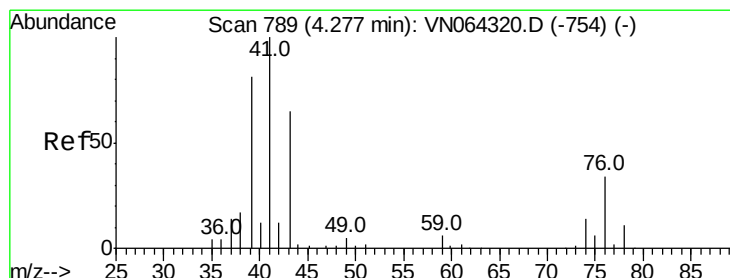
Abundance

Ion 56.00 (55.70 to 56.70): VN064346.D (-474) (-)

Ion 55.00 (54.70 to 55.70): VN064346.D (-474) (-)

3.57

Time-->



#14

Allyl chloride

Concen: 18.781 ug/l

RT: 4.27 min Scan# 788

Delta R.T. -0.00 min

Lab File: VN064346.D

Acq: 28 Oct 2020 12:47

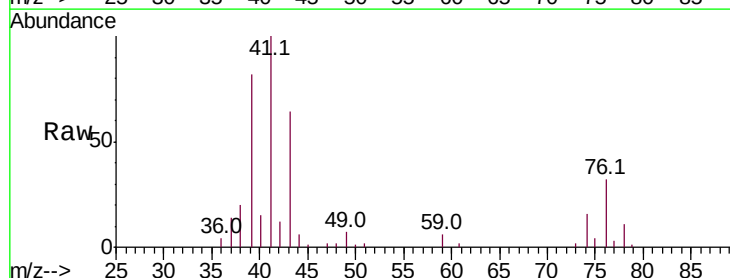
Tgt Ion: 41 Resp: 81822

Ion Ratio Lower Upper

41 100

39 73.9 61.7 92.5

76 29.3 24.0 36.0



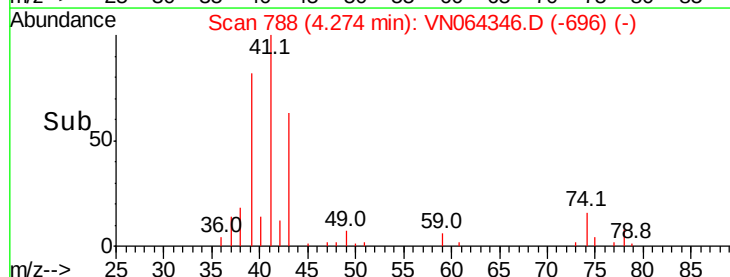
Abundance Ion 41.00 (40.70 to 41.70): VN064320.D (-754) (-)

Ion 39.00 (38.70 to 39.70): VN064320.D (-754) (-)

Ion 75.90 (75.60 to 76.60): VN064320.D (-754) (-)

4.27

Time-->



Abundance

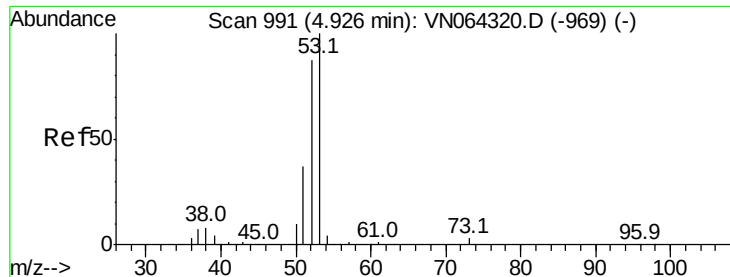
Ion 41.00 (40.70 to 41.70): VN064346.D (-696) (-)

Ion 39.00 (38.70 to 39.70): VN064346.D (-696) (-)

Ion 75.90 (75.60 to 76.60): VN064346.D (-696) (-)

4.27

Time-->



#15

Acrylonitrile

Concen: 102.607 ug/l

RT: 4.93 min Scan# 992

Delta R.T. 0.00 min

Lab File: VN064346.D

Acq: 28 Oct 2020 12:47

Instrument :

MSVOA_N

ClientSampleId :

VN1028WBSD01

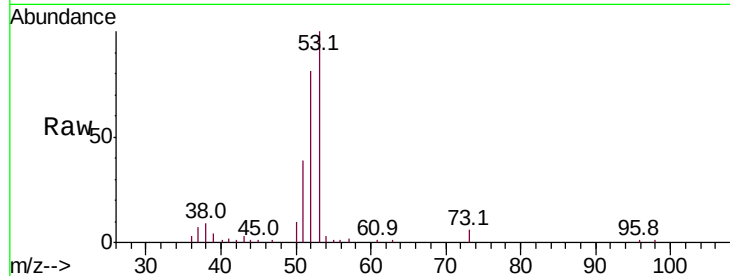
Tot Ion: 53 Resp: 114958

Ion Ratio Lower Upper

53 100

52 84.3 65.9 98.9

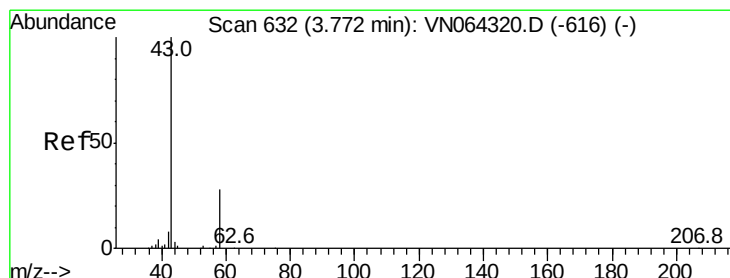
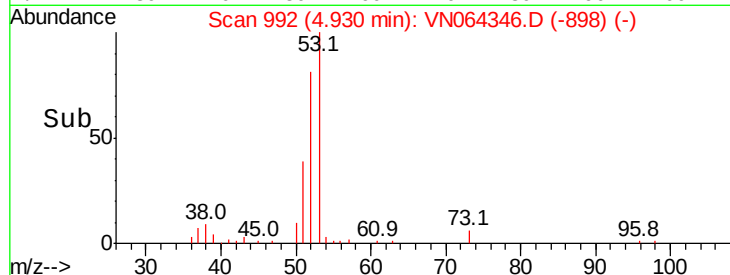
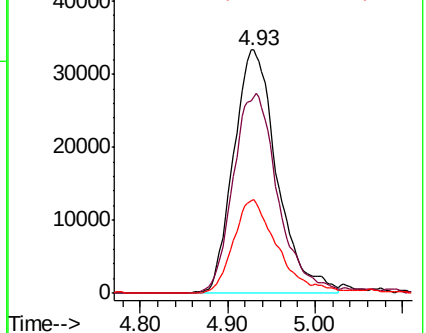
51 37.5 30.4 45.6



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: 94.214 ug/l

RT: 3.78 min Scan# 633

Delta R.T. 0.00 min

Lab File: VN064346.D

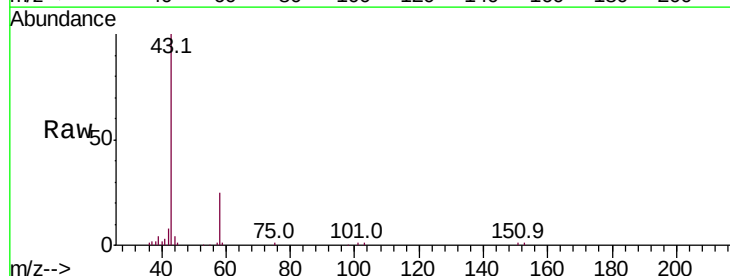
Acq: 28 Oct 2020 12:47

Tgt Ion: 43 Resp: 120876

Ion Ratio Lower Upper

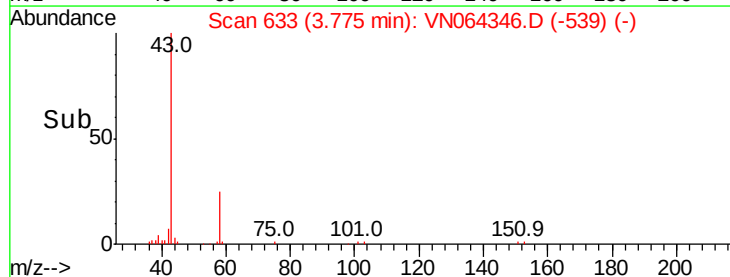
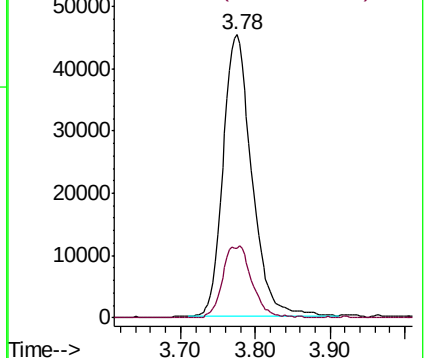
43 100

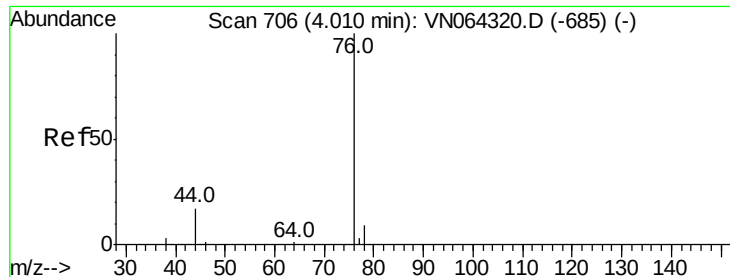
58 24.9 22.1 33.1



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#17

Carbon Disulfide

Concen: 17.640 ug/l

RT: 4.01 min Scan# 706

Delta R.T. 0.00 min

Lab File: VN064346.D

Acq: 28 Oct 2020 12:47

Instrument :

MSVOA_N

ClientSampleId :

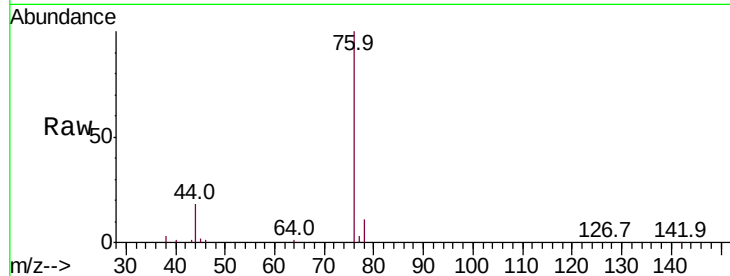
VN1028WBSD01

Tot Ion: 76 Resp: 111360

Ion Ratio Lower Upper

76 100

78 10.7 7.3 10.9

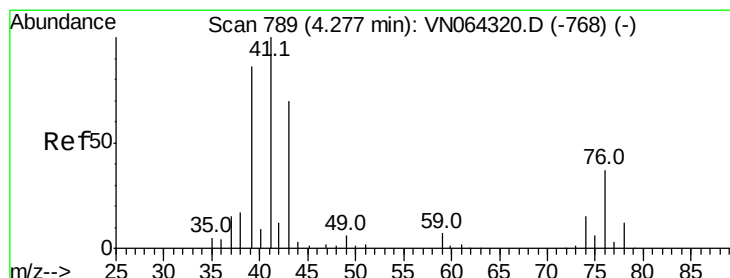
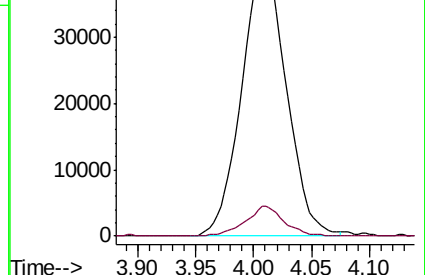
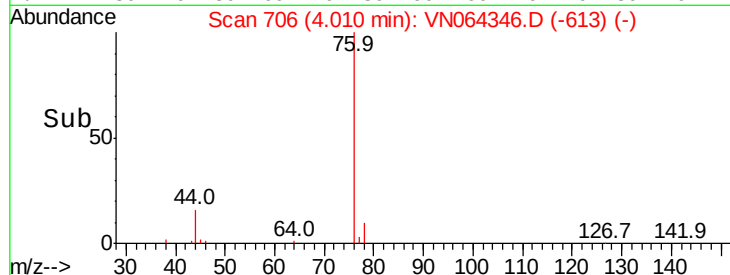


Abundance Ion 75.90 (75.60 to 76.60): VN064320.D (-685) (-)

Ion 77.90 (77.60 to 78.60): VN064320.D (-685) (-)

4.01

Time-->



#18

Methyl Acetate

Concen: 19.567 ug/l

RT: 4.28 min Scan# 790

Delta R.T. 0.00 min

Lab File: VN064346.D

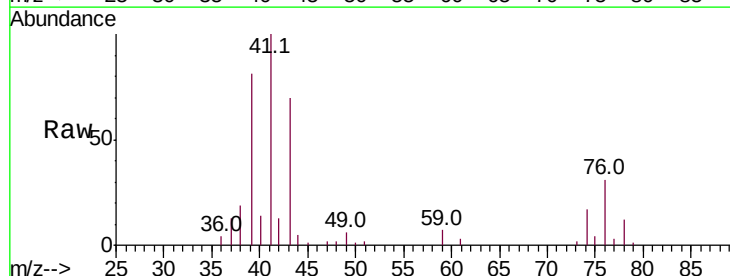
Acq: 28 Oct 2020 12:47

Tgt Ion: 43 Resp: 52753

Ion Ratio Lower Upper

43 100

74 21.8 16.7 25.1

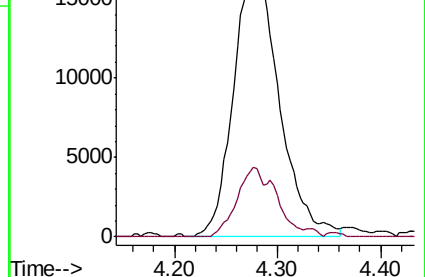
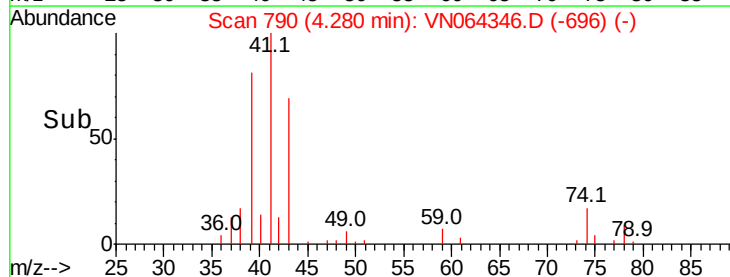


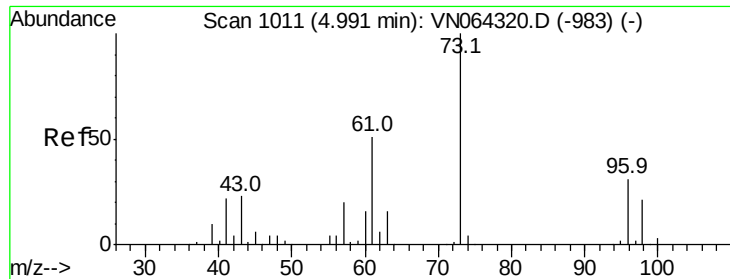
Abundance Ion 43.00 (42.70 to 43.70): VN064320.D (-768) (-)

Ion 74.00 (73.70 to 74.70): VN064320.D (-768) (-)

4.28

Time-->

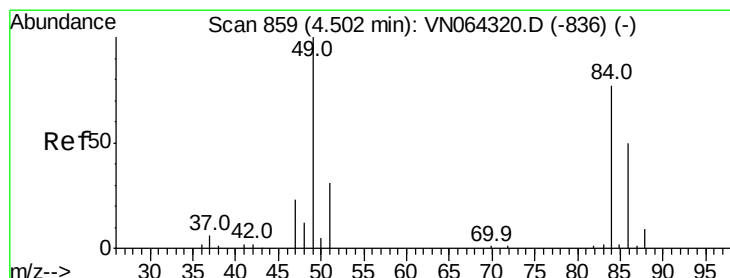
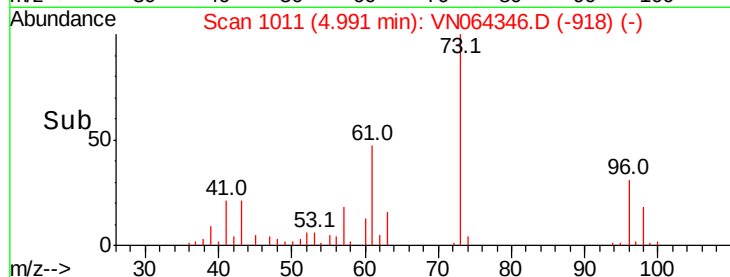
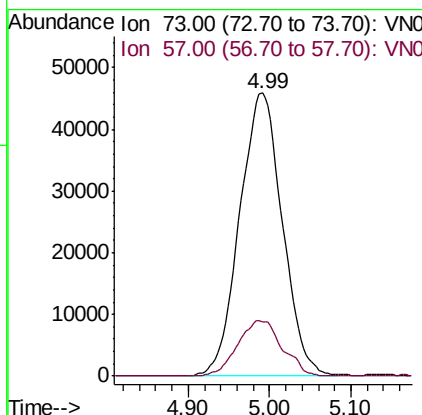
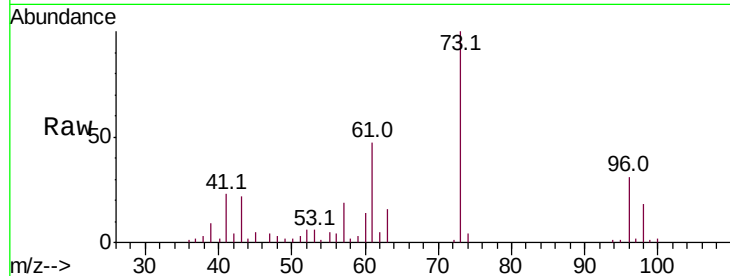




#19
Methyl tert-butyl Ether
Concen: 20.285 ug/l
RT: 4.99 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VN064346.D
Acq: 28 Oct 2020 12:47

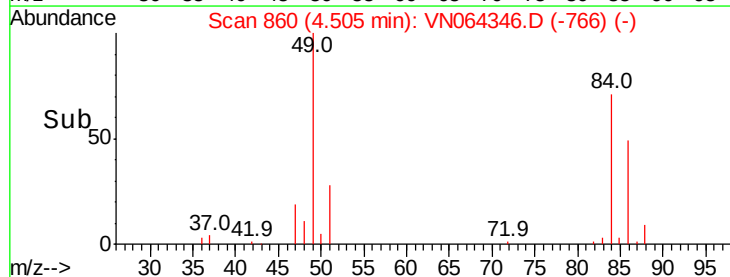
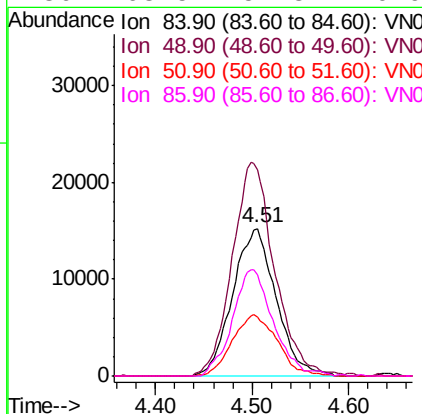
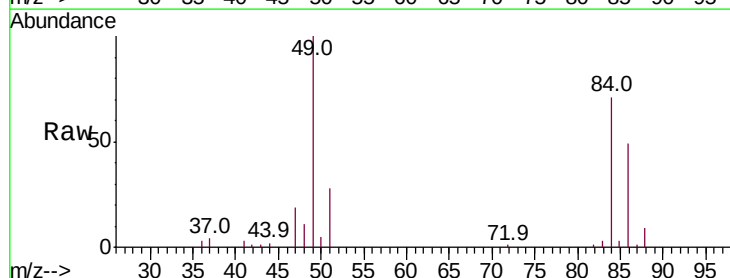
Instrument :
MSVOA_N
ClientSampleId :
VN1028WBSD01

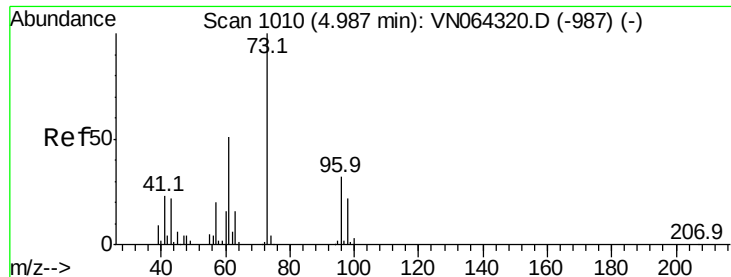
Tot Ion: 73 Resp: 166293
Ion Ratio Lower Upper
73 100
57 19.3 16.1 24.1



#20
Methylene Chloride
Concen: 18.673 ug/l
RT: 4.51 min Scan# 860
Delta R.T. 0.00 min
Lab File: VN064346.D
Acq: 28 Oct 2020 12:47

Tgt Ion: 84 Resp: 47526
Ion Ratio Lower Upper
84 100
49 140.4 103.6 155.4
51 39.6 31.8 47.8
86 68.5 51.3 76.9





#21

trans-1,2-Dichloroethene

Concen: 18.891 ug/l

RT: 4.99 min Scan# 1010

Delta R.T. 0.00 min

Lab File: VN064346.D

Acq: 28 Oct 2020 12:47

Instrument :

MSVOA_N

ClientSampleId :

VN1028WBSD01

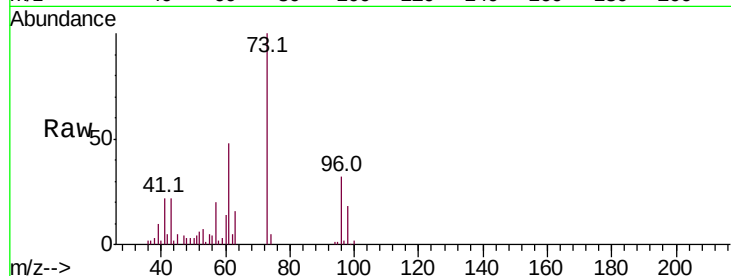
Tot Ion: 96 Resp: 44964

Ion Ratio Lower Upper

96 100

61 149.3 128.2 192.2

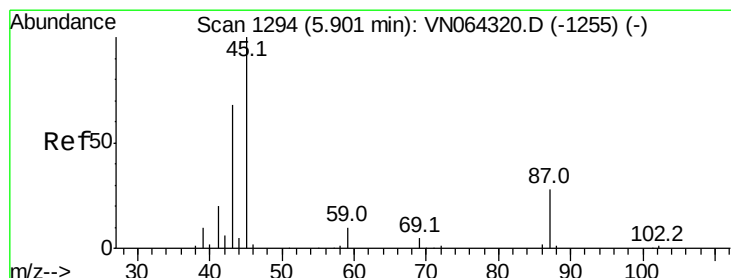
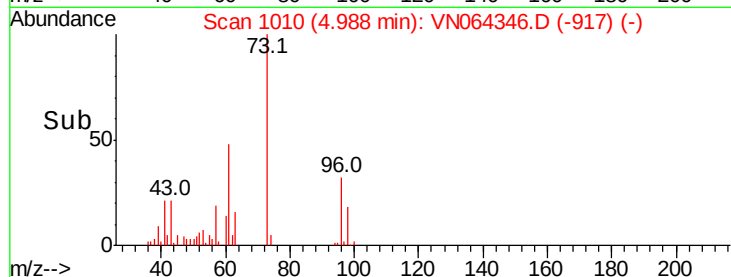
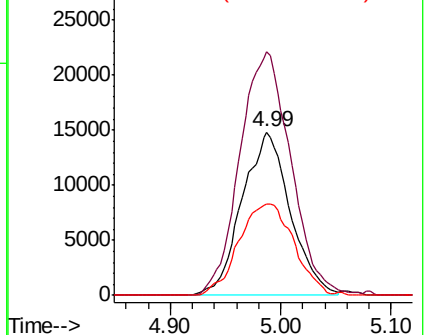
98 55.6 56.1 84.1#



Abundance Ion 95.90 (95.60 to 96.60): VN064320.D (-987) (-)

Ion 60.90 (60.60 to 61.60): VN064320.D (-987) (-)

Ion 97.90 (97.60 to 98.60): VN064320.D (-987) (-)



#22

Diisopropyl ether

Concen: 19.733 ug/l

RT: 5.90 min Scan# 1293

Delta R.T. -0.00 min

Lab File: VN064346.D

Acq: 28 Oct 2020 12:47

Tgt Ion: 45 Resp: 168036

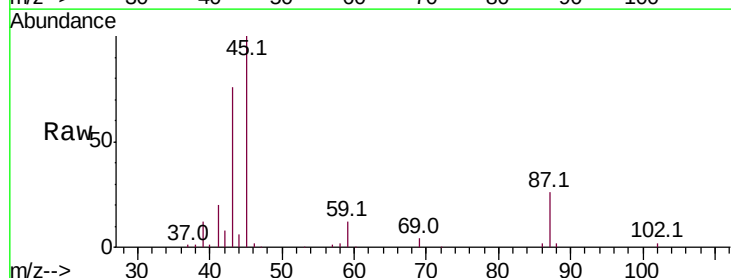
Ion Ratio Lower Upper

45 100

43 72.7 54.6 82.0

87 26.1 22.6 33.8

59 11.7 8.6 12.8

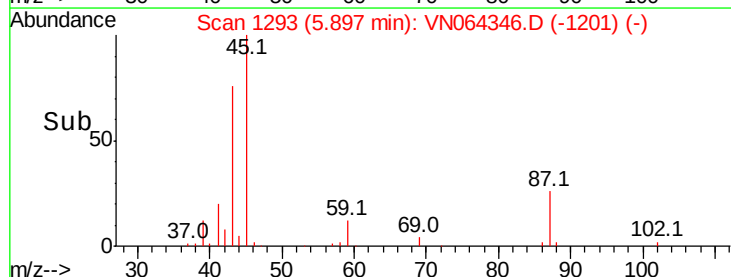
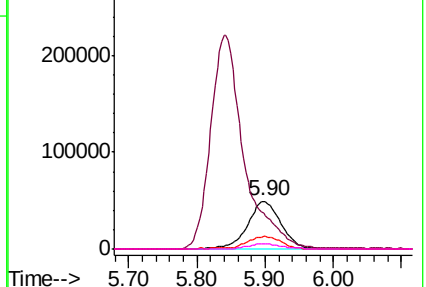


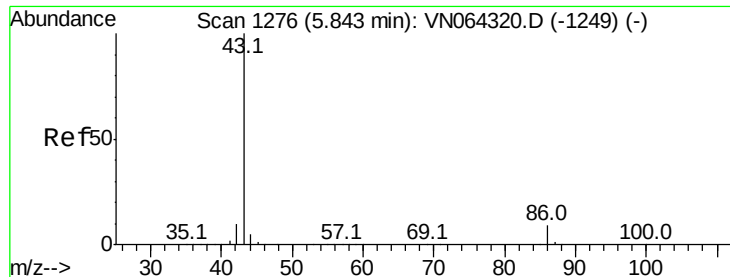
Abundance Ion 45.00 (44.70 to 45.70): VN064346.D (-1201) (-)

Ion 43.00 (42.70 to 43.70): VN064346.D (-1201) (-)

Ion 87.00 (86.70 to 87.70): VN064346.D (-1201) (-)

Ion 59.00 (58.70 to 59.70): VN064346.D (-1201) (-)





#23

Vinyl Acetate

Concen: 104.236 ug/l

RT: 5.84 min Scan# 1276

Delta R.T. 0.00 min

Lab File: VN064346.D

Acq: 28 Oct 2020 12:47

Instrument :

MSVOA_N

ClientSampleId :

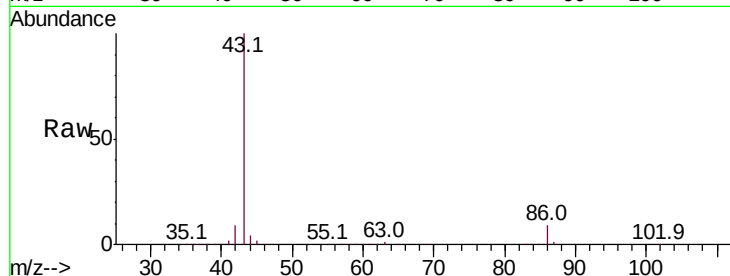
VN1028WBSD01

Tot Ion: 43 Resp: 750959

Ion Ratio Lower Upper

43 100

86 9.2 7.3 10.9



Abundance Ion 43.00 (42.70 to 43.70): VN064320.D (-1249) (-)

Ion 86.00 (85.70 to 86.70): VN064320.D (-1249) (-)

5.84

250000

200000

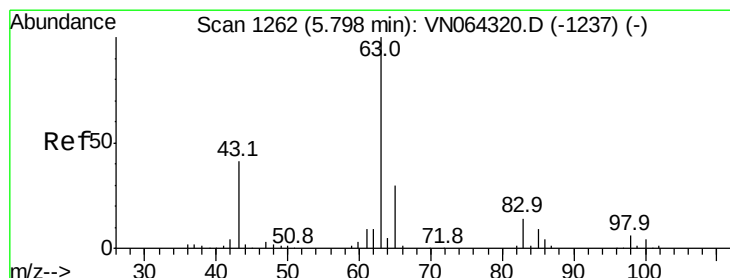
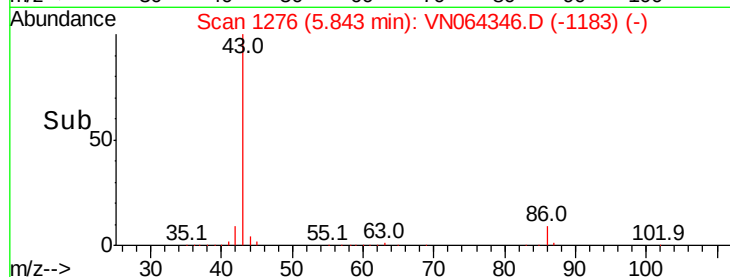
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 18.969 ug/l

RT: 5.79 min Scan# 1261

Delta R.T. -0.00 min

Lab File: VN064346.D

Acq: 28 Oct 2020 12:47

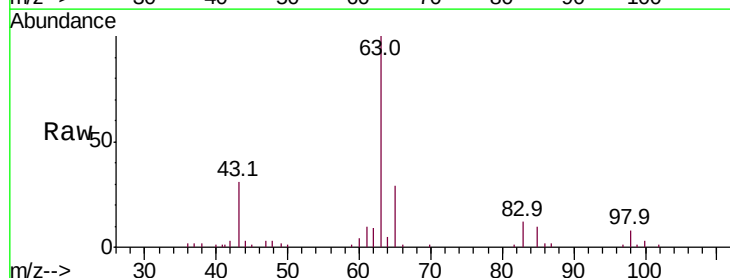
Tgt Ion: 63 Resp: 90388

Ion Ratio Lower Upper

63 100

98 7.7 3.1 9.4

100 3.1 2.0 5.8



Abundance Ion 62.90 (62.60 to 63.60): VN064320.D (-1237) (-)

Ion 97.90 (97.60 to 98.60): VN064320.D (-1237) (-)

Ion 99.90 (99.60 to 100.60): VN064320.D (-1237) (-)

5.79

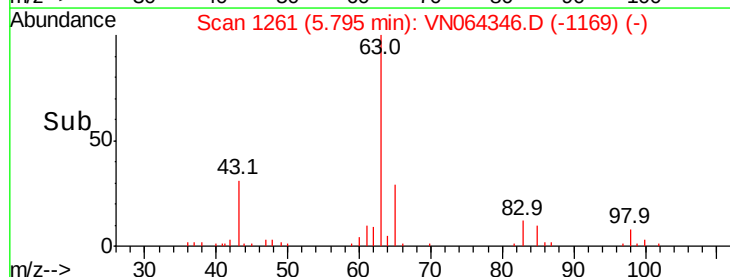
30000

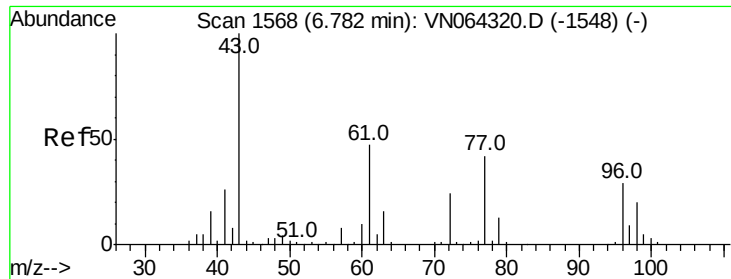
20000

10000

0

Time-->

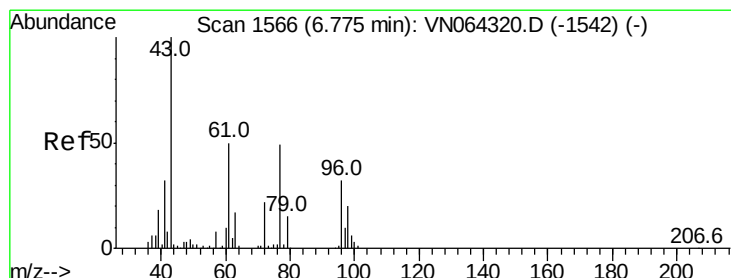
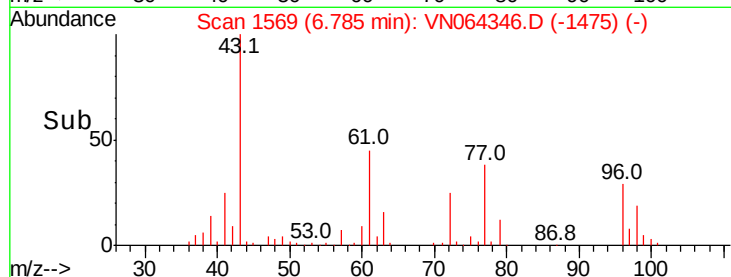
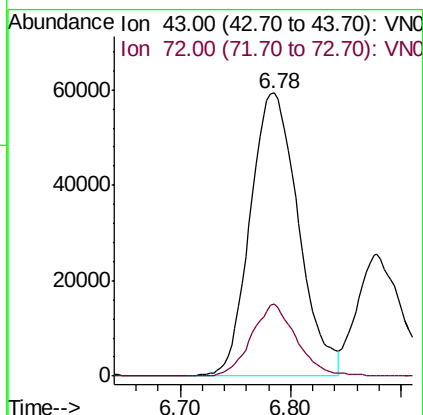
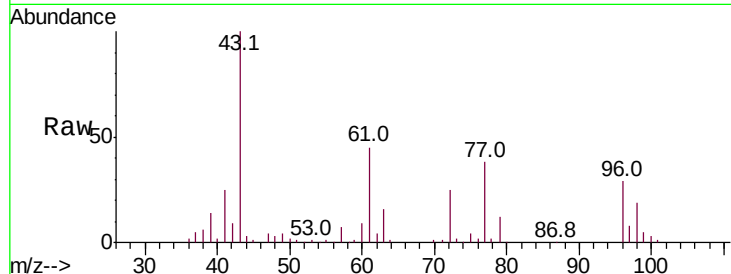




#25
2-Butanone
Concen: 99.970 ug/l
RT: 6.78 min Scan# 1569
Delta R.T. 0.00 min
Lab File: VN064346.D
Acq: 28 Oct 2020 12:47

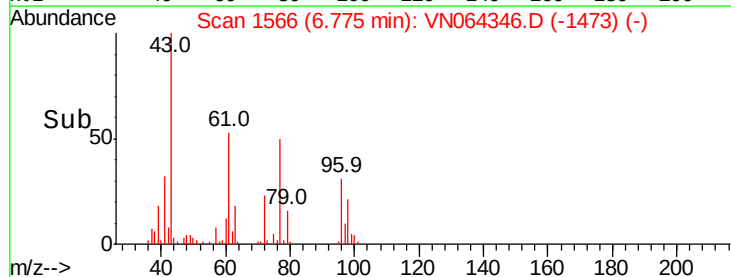
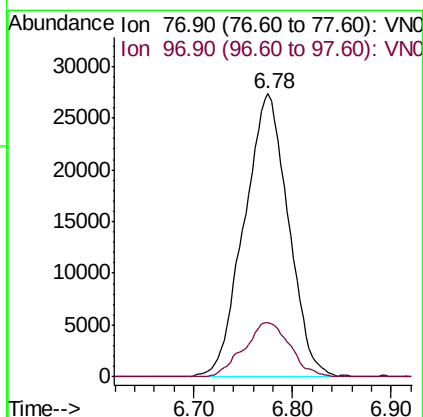
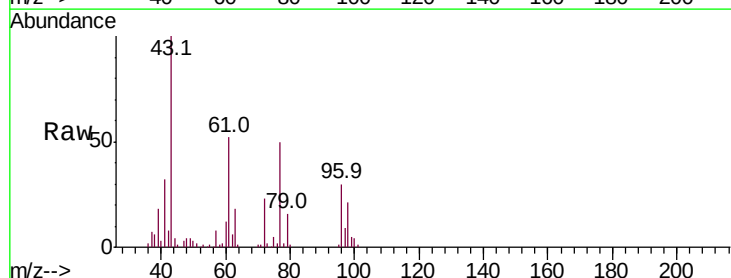
Instrument :
MSVOA_N
ClientSampled :
VN1028WBSD01

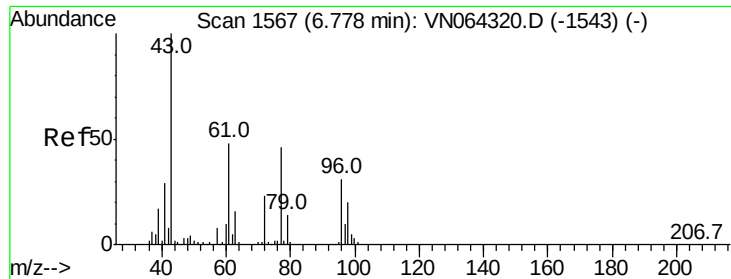
Tot Ion: 43 Resp: 180146
Ion Ratio Lower Upper
43 100
72 25.5 18.8 28.2



#26
2,2-Dichloropropane
Concen: 18.187 ug/l
RT: 6.78 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VN064346.D
Acq: 28 Oct 2020 12:47

Tgt Ion: 77 Resp: 84816
Ion Ratio Lower Upper
77 100
97 20.0 10.2 30.6

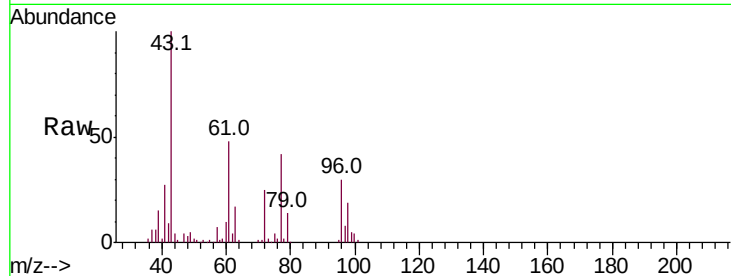




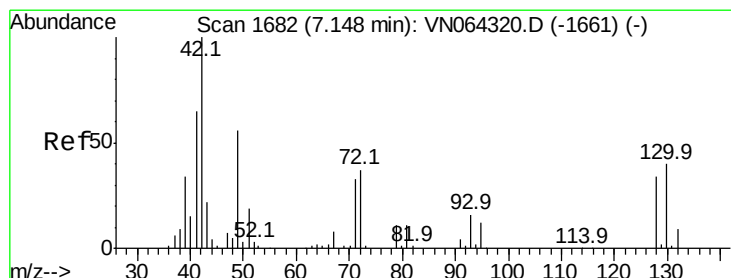
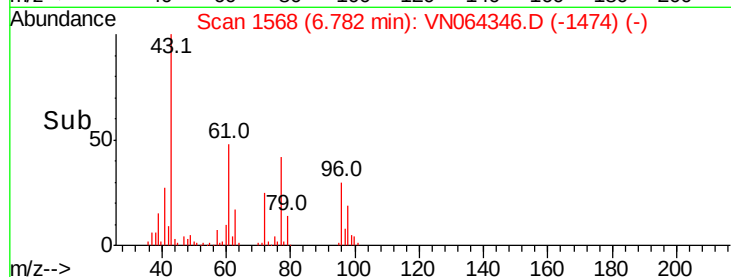
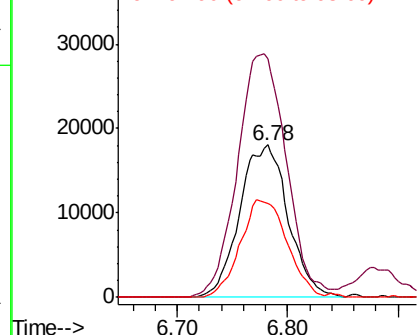
#27
 cis-1,2-Dichloroethene
 Concen: 20.199 ug/l
 RT: 6.78 min Scan# 1568
 Delta R.T. 0.00 min
 Lab File: VN064346.D
 Acq: 28 Oct 2020 12:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1028WBSD01

Tot Ion	96	Resp	55023
Ion Ratio	Lower	Upper	
96	100		
61	160.9	0.0	325.0
98	61.6	0.0	128.4

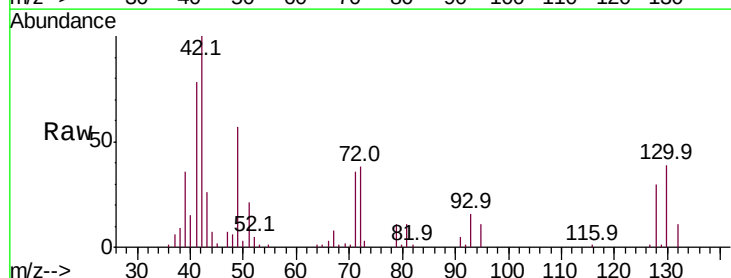


Abundance Ion 95.90 (95.60 to 96.60): VN0
 Ion 60.90 (60.60 to 61.60): VN0
 Ion 97.90 (97.60 to 98.60): VN0

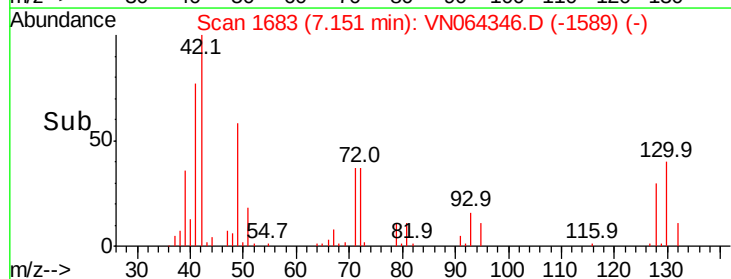
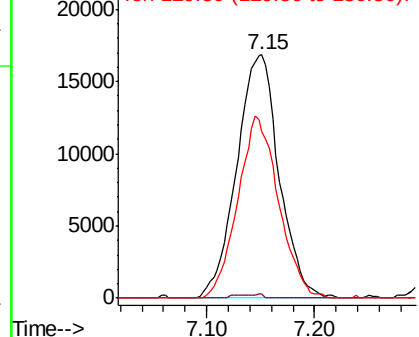


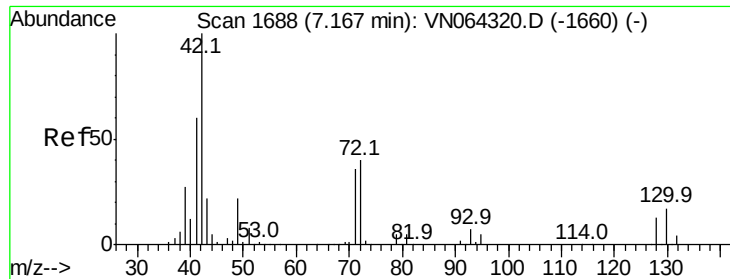
#28
 Bromochloromethane
 Concen: 20.317 ug/l
 RT: 7.15 min Scan# 1683
 Delta R.T. 0.00 min
 Lab File: VN064346.D
 Acq: 28 Oct 2020 12:47

Tgt Ion	49	Resp	46126
Ion Ratio	Lower	Upper	
49	100		
129	0.5	0.0	2.8
130	71.7	56.2	84.2



Abundance Ion 48.90 (48.60 to 49.60): VN0
 Ion 128.80 (128.50 to 129.50): V
 Ion 129.80 (129.50 to 130.50): V

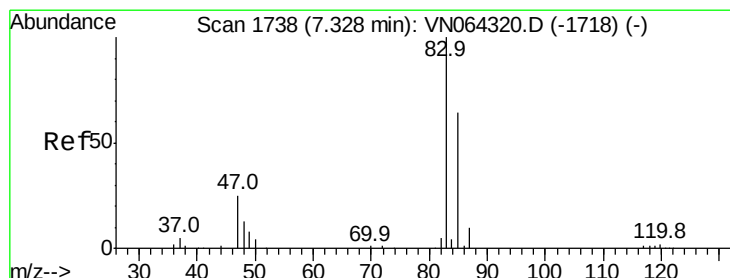
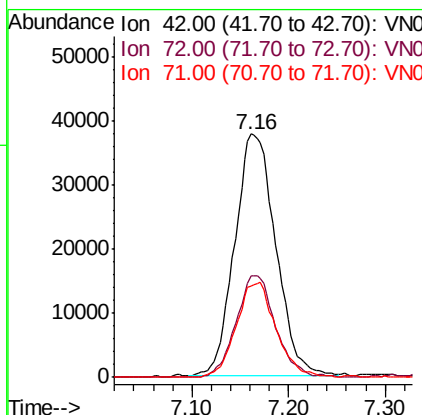
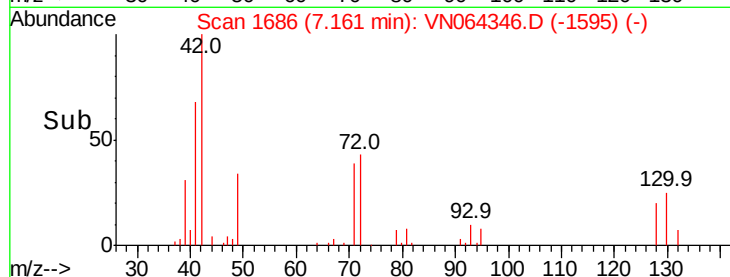
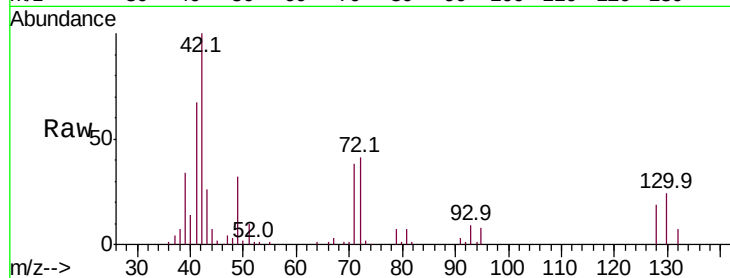




#29
Tetrahydrofuran
Concen: 94.738 ug/l
RT: 7.16 min Scan# 1686
Delta R.T. -0.01 min
Lab File: VN064346.D
Acq: 28 Oct 2020 12:47

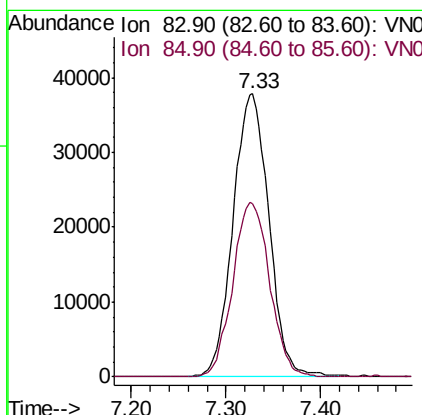
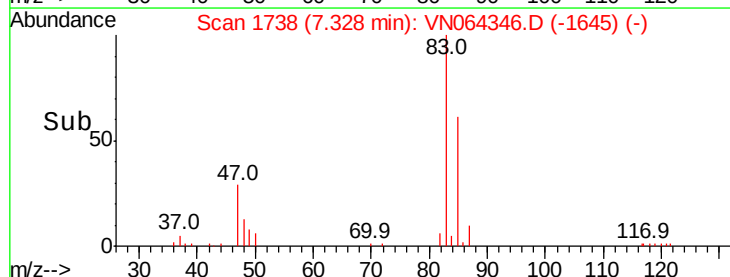
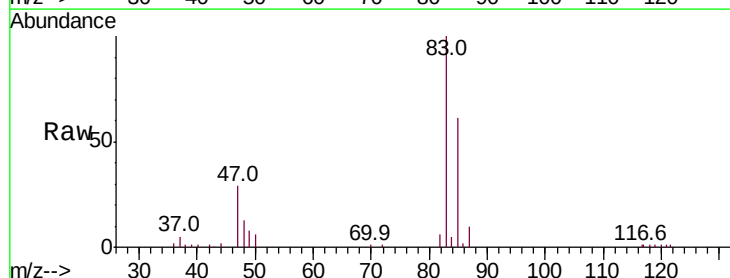
Instrument :
MSVOA_N
ClientSampleId :
VN1028WBSD01

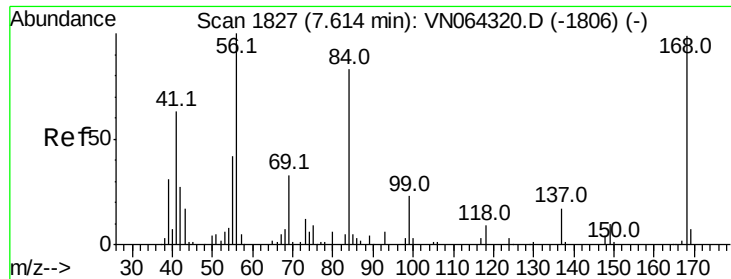
Tot Ion: 42 Resp: 110829
Ion Ratio Lower Upper
42 100
72 40.2 31.6 47.4
71 38.1 29.4 44.0



#30
Chloroform
Concen: 19.613 ug/l
RT: 7.33 min Scan# 1738
Delta R.T. 0.00 min
Lab File: VN064346.D
Acq: 28 Oct 2020 12:47

Tgt Ion: 83 Resp: 99756
Ion Ratio Lower Upper
83 100
85 61.4 51.1 76.7

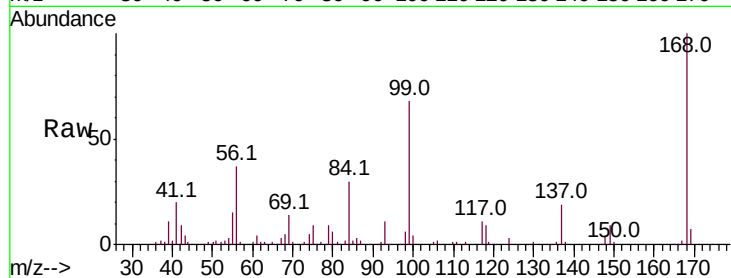




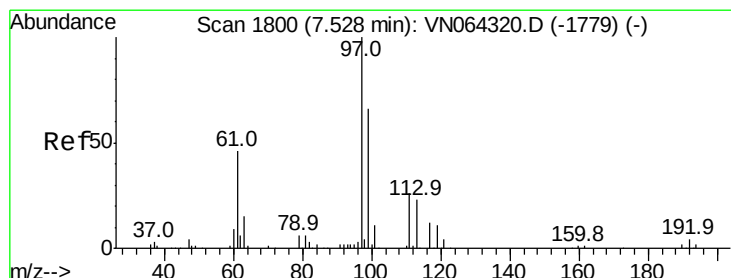
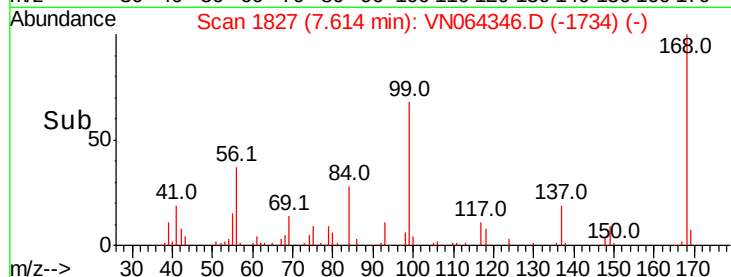
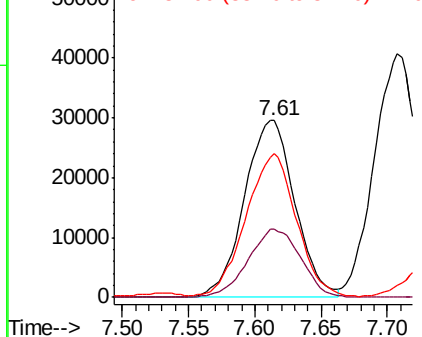
#31
Cyclohexane
Concen: 18.851 ug/l
RT: 7.61 min Scan# 1827
Delta R.T. 0.00 min
Lab File: VN064346.D
Acq: 28 Oct 2020 12:47

Instrument :
MSVOA_N
ClientSampleId :
VN1028WBSD01

Tot Ion: 56 Resp: 78519
Ion Ratio Lower Upper
56 100
69 38.6 25.8 38.8
84 80.6 66.3 99.5

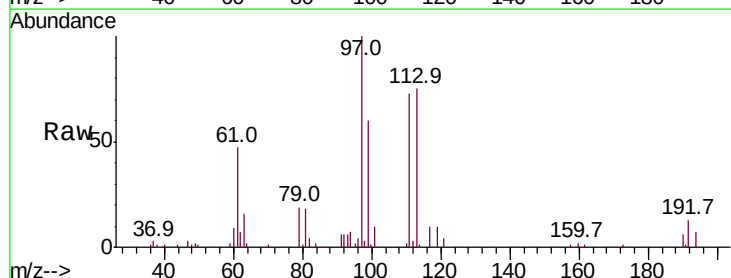


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

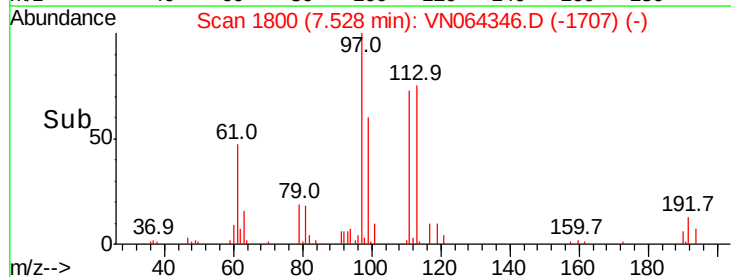
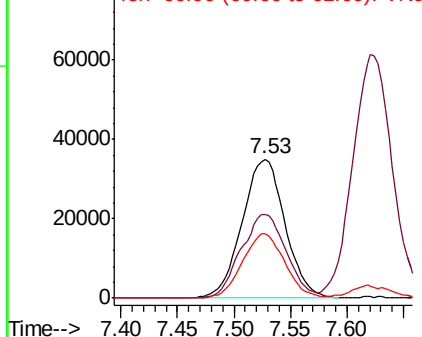


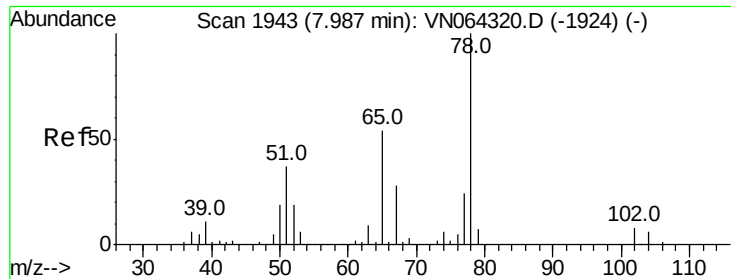
#32
1,1,1-Trichloroethane
Concen: 18.935 ug/l
RT: 7.53 min Scan# 1800
Delta R.T. 0.00 min
Lab File: VN064346.D
Acq: 28 Oct 2020 12:47

Tgt Ion: 97 Resp: 92482
Ion Ratio Lower Upper
97 100
99 63.1 50.6 76.0
61 45.5 35.8 53.6



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

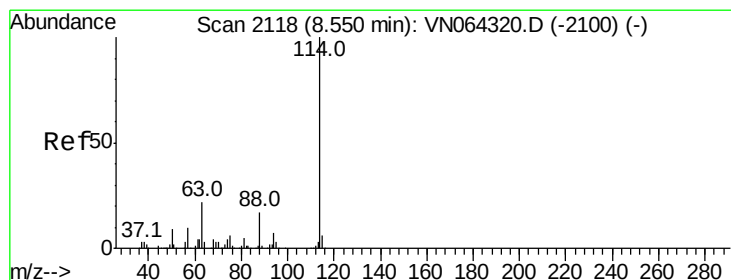
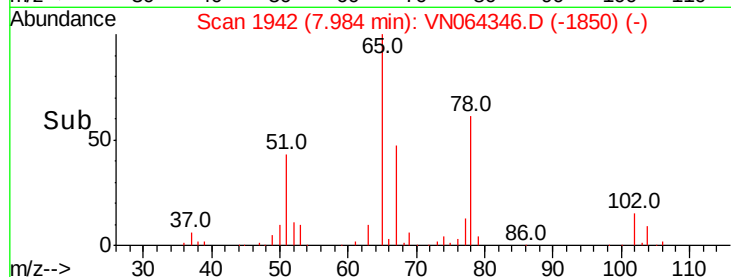
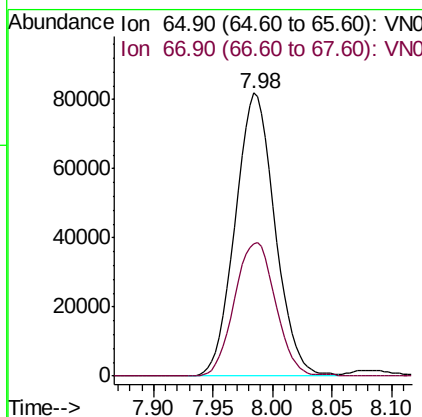
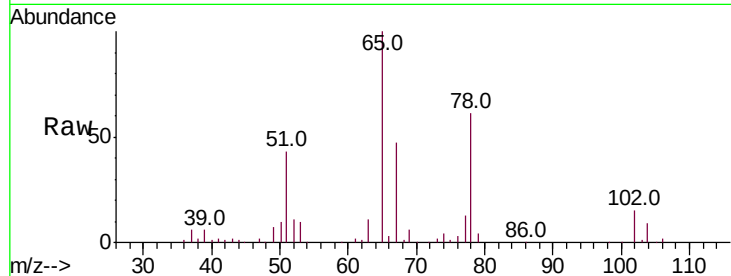




#33
 1,2-Dichloroethane-d4
 Concen: 52.830 ug/l
 RT: 7.98 min Scan# 1942
 Delta R.T. -0.00 min
 Lab File: VN064346.D
 Acq: 28 Oct 2020 12:47

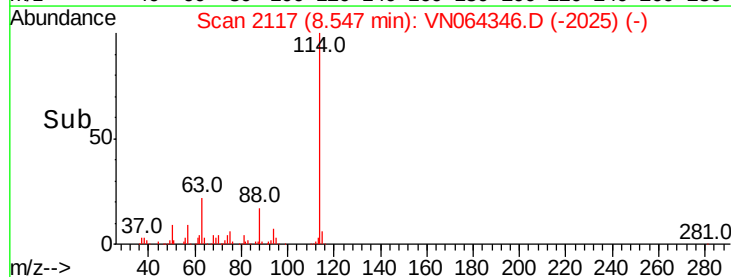
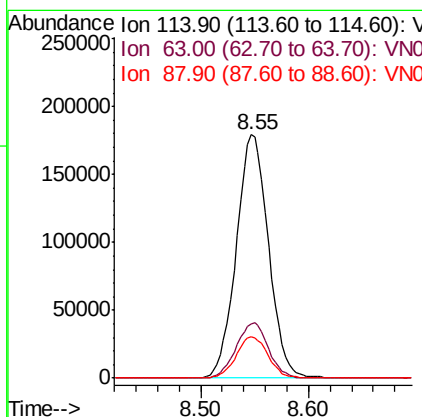
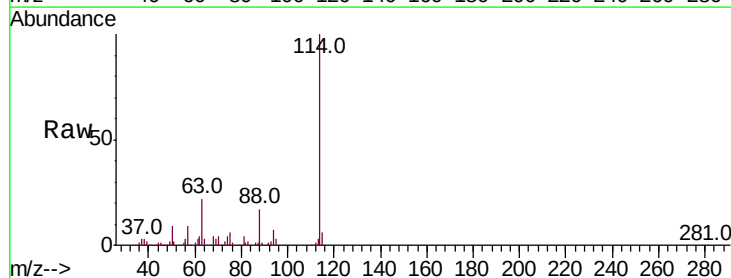
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1028WBSD01

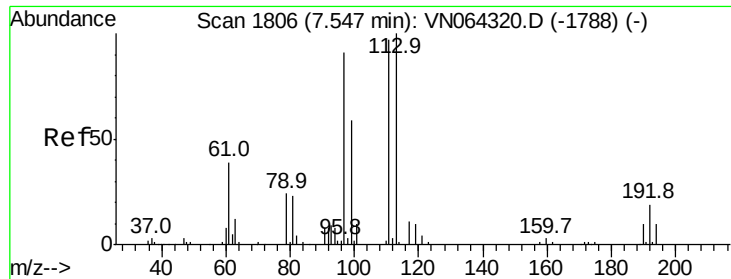
Tot Ion: 65 Resp: 189601
 Ion Ratio Lower Upper
 65 100
 67 49.0 0.0 99.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2117
 Delta R.T. -0.00 min
 Lab File: VN064346.D
 Acq: 28 Oct 2020 12:47

Tgt Ion: 114 Resp: 372549
 Ion Ratio Lower Upper
 114 100
 63 22.4 0.0 44.6
 88 16.9 0.0 33.4

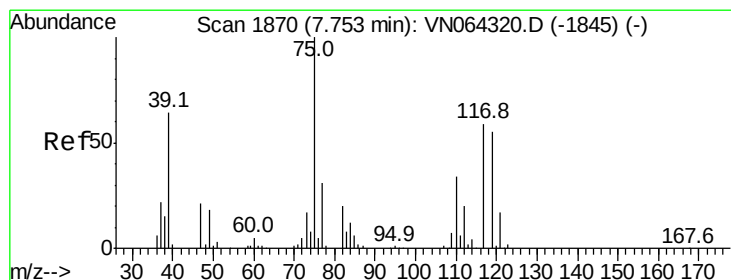
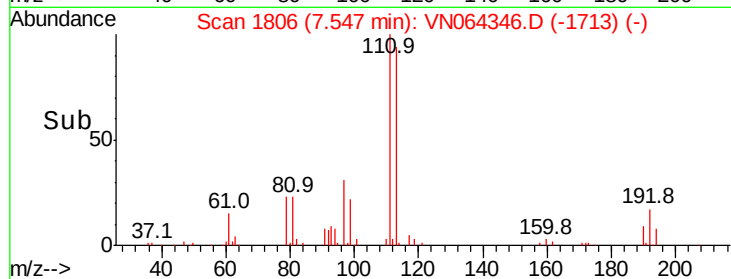
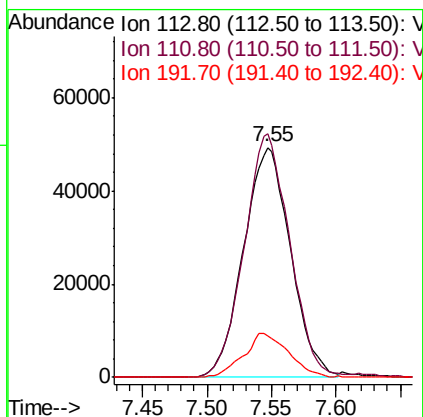
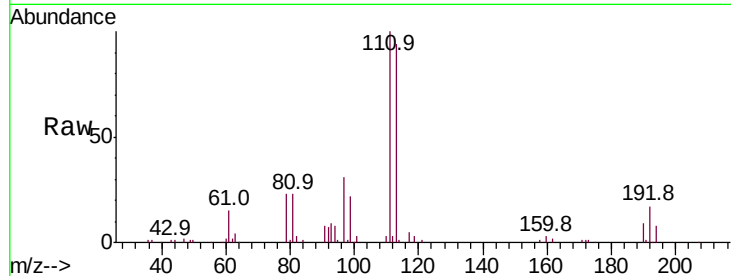




#35
 Dibromofluoromethane
 Concen: 50.368 ug/l
 RT: 7.55 min Scan# 1806
 Delta R.T. 0.00 min
 Lab File: VN064346.D
 Acq: 28 Oct 2020 12:47

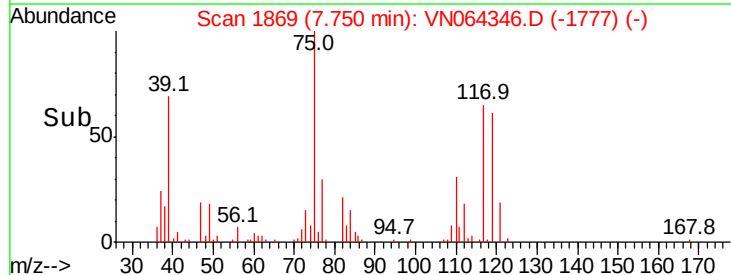
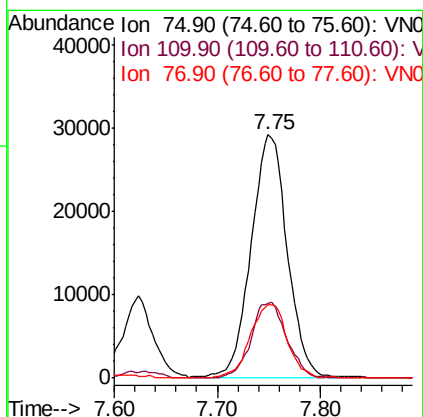
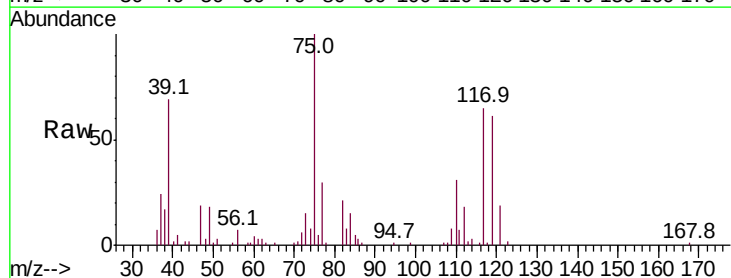
Instrument :
 MSVOA_N
 ClientSampled :
 VN1028WBSD01

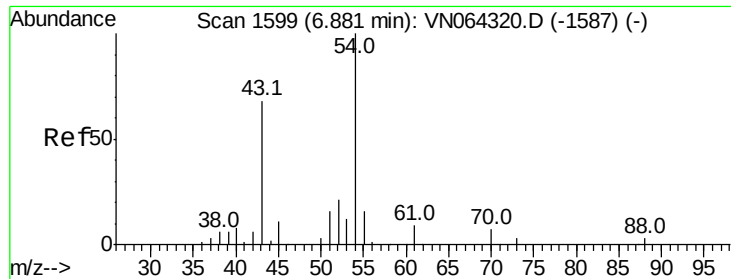
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.7	81.5	122.3
192	18.2	15.0	22.4



#36
 1,1-Dichloropropene
 Concen: 18.953 ug/l
 RT: 7.75 min Scan# 1869
 Delta R.T. -0.00 min
 Lab File: VN064346.D
 Acq: 28 Oct 2020 12:47

Tgt Ion	Ratio	Lower	Upper
75	100		
110	30.5	16.8	50.3
77	30.7	24.2	36.4

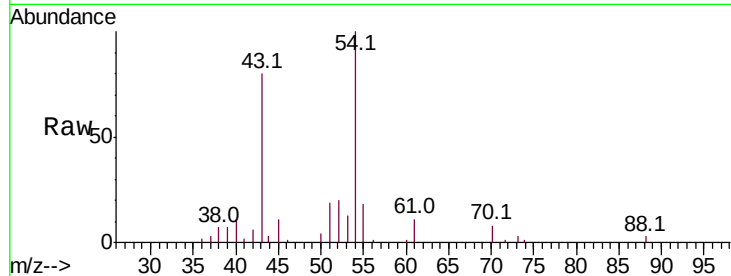




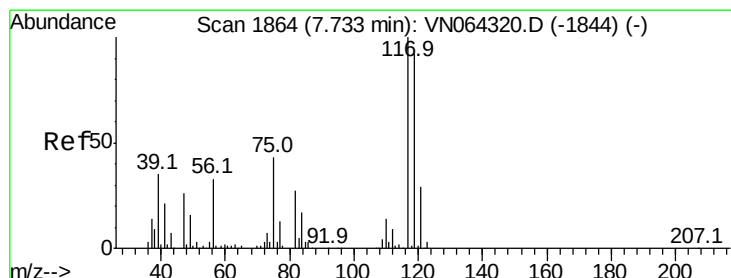
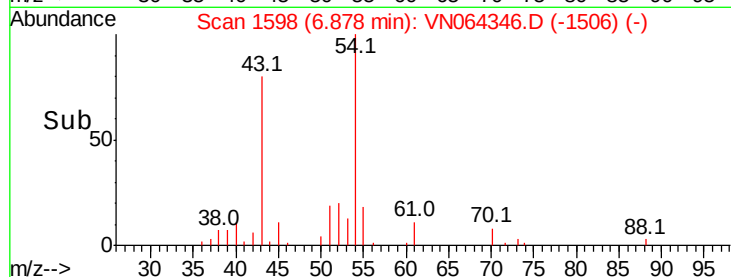
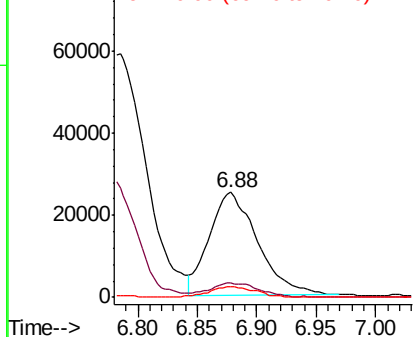
#37
Ethyl Acetate
Concen: 18.684 ug/l
RT: 6.88 min Scan# 1598
Delta R.T. -0.00 min
Lab File: VN064346.D
Acq: 28 Oct 2020 12:47

Instrument :
MSVOA_N
ClientSampleId :
VN1028WBSD01

Tot Ion: 43 Resp: 70960
Ion Ratio Lower Upper
43 100
61 14.3 10.0 15.0
70 9.9 7.1 10.7

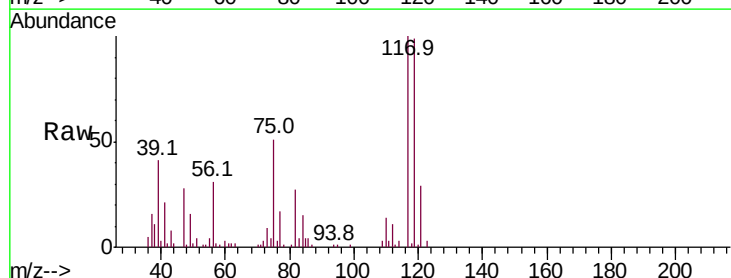


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

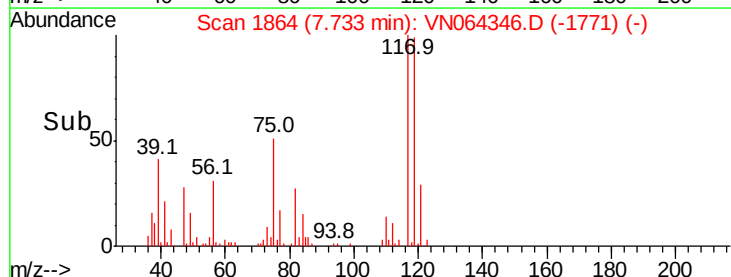
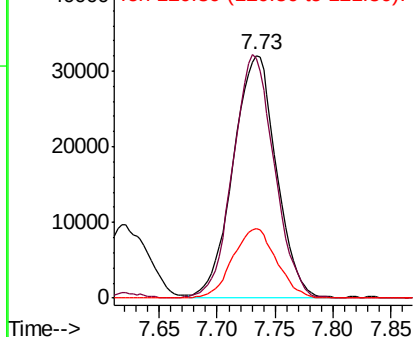


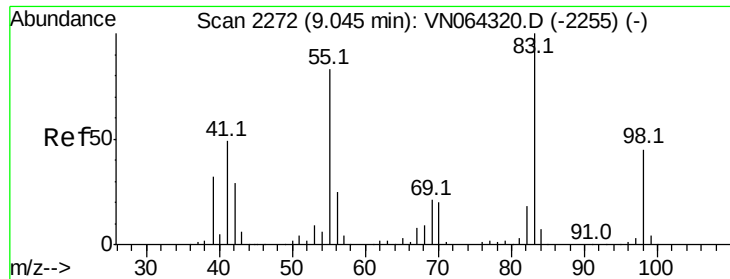
#38
Carbon Tetrachloride
Concen: 19.063 ug/l
RT: 7.73 min Scan# 1864
Delta R.T. 0.00 min
Lab File: VN064346.D
Acq: 28 Oct 2020 12:47

Tgt Ion: 117 Resp: 83096
Ion Ratio Lower Upper
117 100
119 98.8 73.7 110.5
121 28.6 22.8 34.2



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

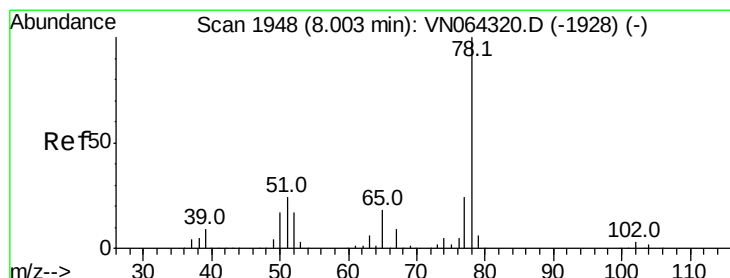
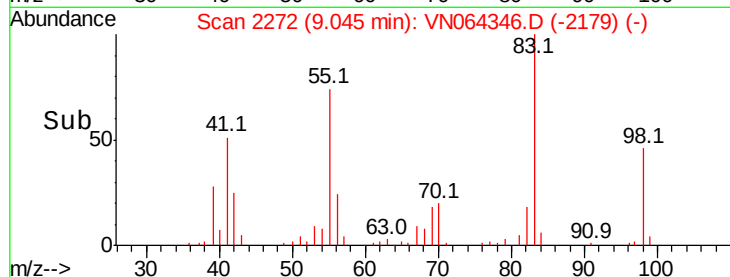
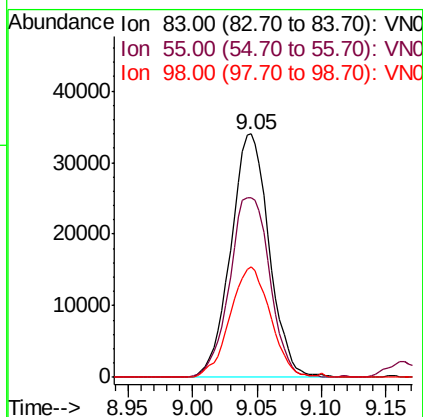
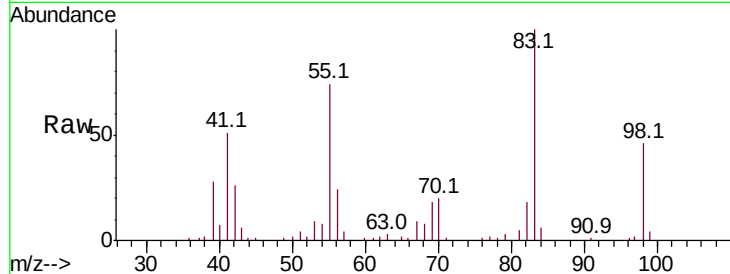




#39
Methylvlcyclohexane
Concen: 18.854 ug/l
RT: 9.05 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN064346.D
Acq: 28 Oct 2020 12:47

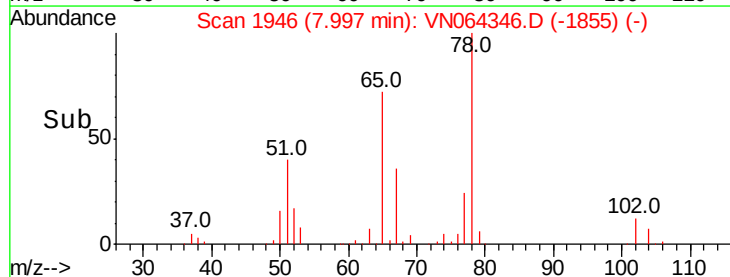
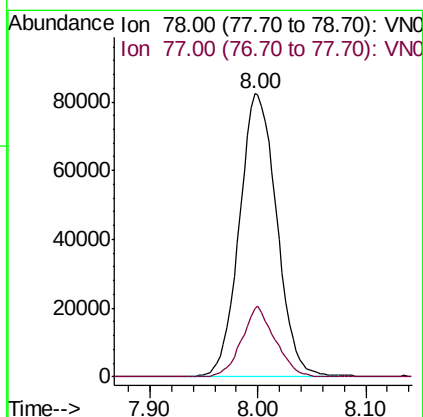
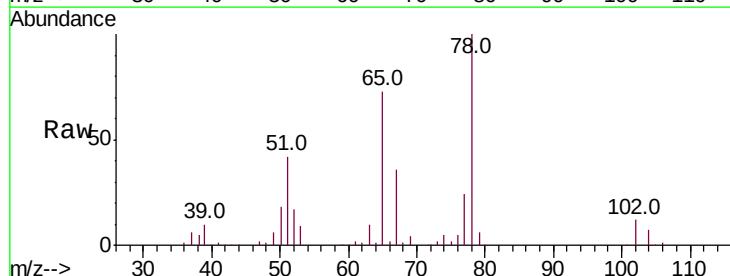
Instrument :
MSVOA_N
ClientSampleId :
VN1028WBSD01

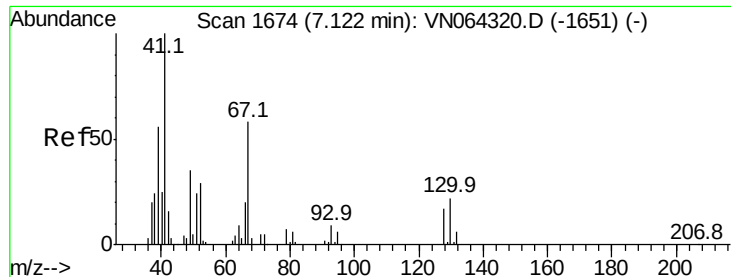
Tot Ion: 83 Resp: 70288
Ion Ratio Lower Upper
83 100
55 73.8 66.2 99.4
98 45.6 36.0 54.0



#40
Benzene
Concen: 18.937 ug/l
RT: 8.00 min Scan# 1946
Delta R.T. -0.01 min
Lab File: VN064346.D
Acq: 28 Oct 2020 12:47

Tgt Ion: 78 Resp: 198188
Ion Ratio Lower Upper
78 100
77 24.3 18.8 28.2

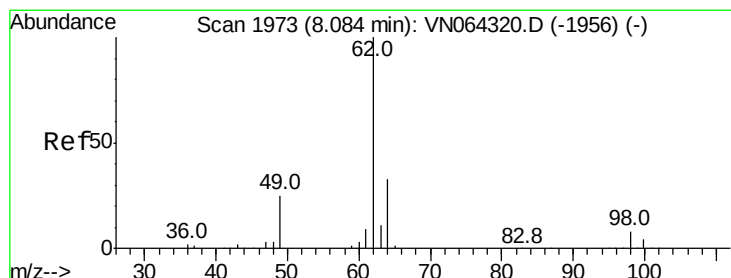
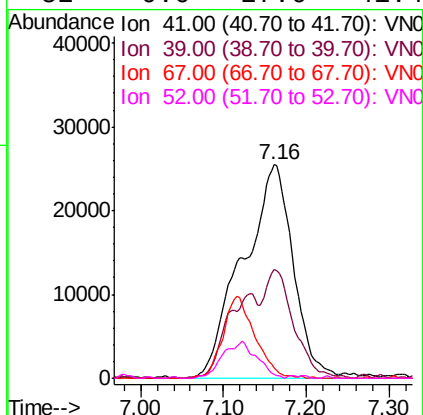
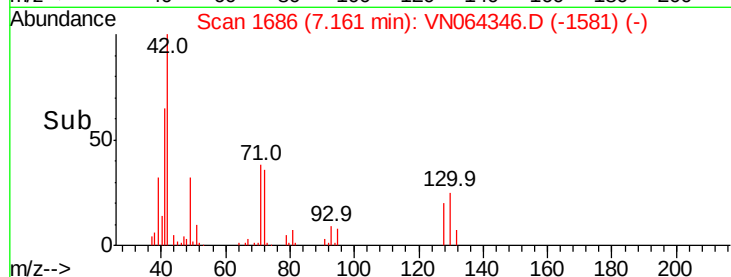
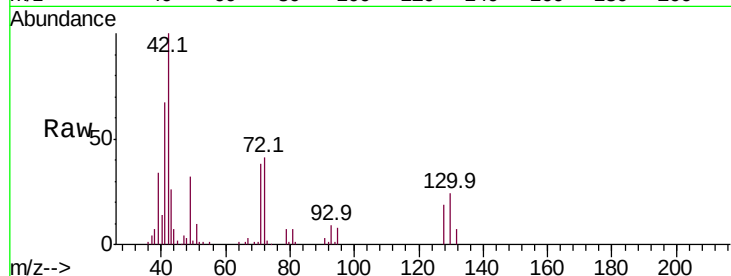




#41
Methacrylonitrile
Concen: 57.126 ug/l
RT: 7.16 min Scan# 1686
Delta R.T. 0.04 min
Lab File: VN064346.D
Acq: 28 Oct 2020 12:47

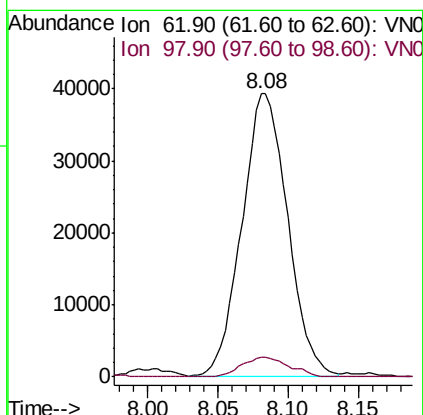
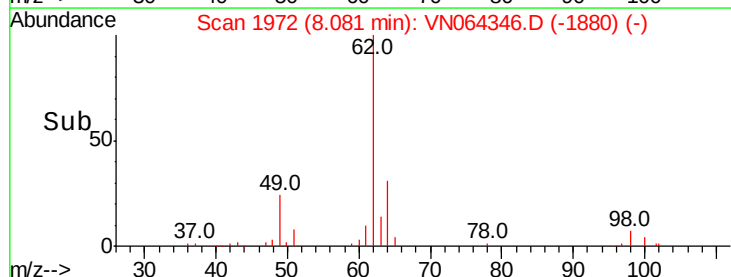
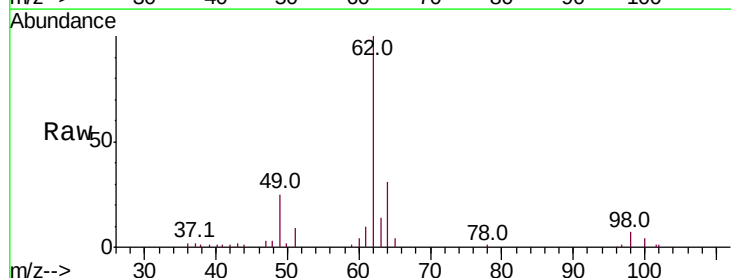
Instrument :
MSVOA_N
ClientSampleId :
VN1028WBSD01

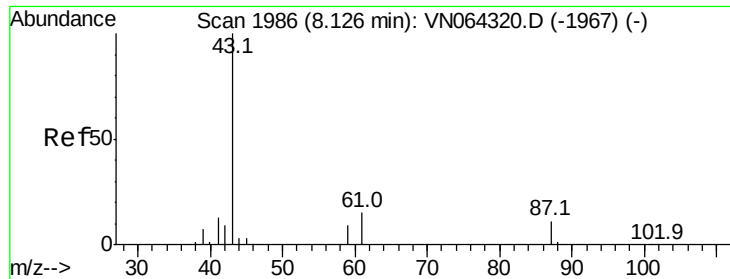
Tot Ion	Ratio	Lower	Upper
41	100		
39	29.4	48.6	72.8#
67	0.0	61.4	92.2#
52	0.0	27.6	41.4#



#42
1,2-Dichloroethane
Concen: 19.827 ug/l
RT: 8.08 min Scan# 1972
Delta R.T. -0.00 min
Lab File: VN064346.D
Acq: 28 Oct 2020 12:47

Tgt Ion	Ratio	Lower	Upper
62	100		
98	7.2	0.0	14.2





#43

Isopropyl Acetate

Concen: 20.379 ug/l

RT: 8.13 min Scan# 1986

Delta R.T. 0.00 min

Lab File: VN064346.D

Acq: 28 Oct 2020 12:47

Instrument :

MSVOA_N

ClientSampleId :

VN1028WBSD01

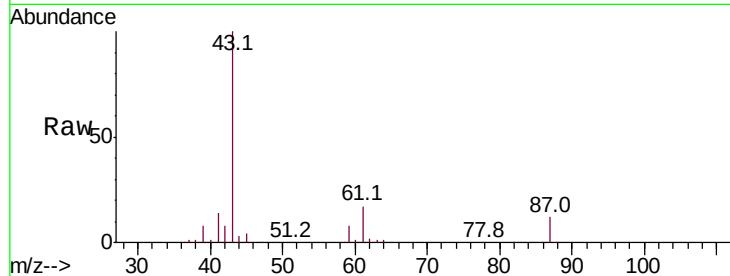
Tot Ion: 43 Resp: 132303

Ion Ratio Lower Upper

43 100

61 17.7 19.1 28.7#

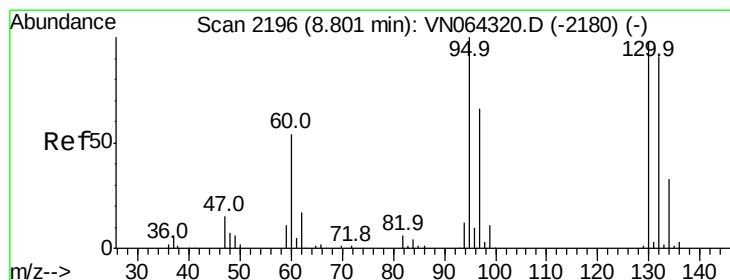
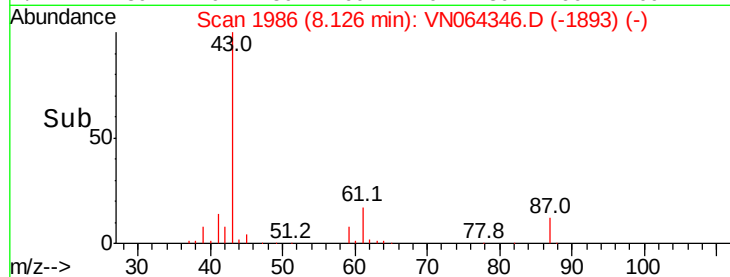
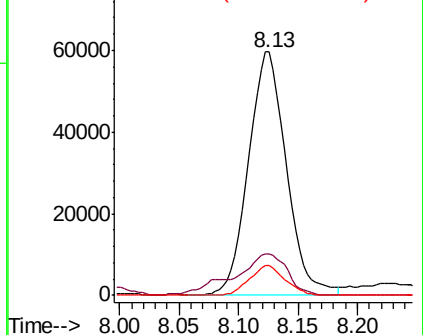
87 11.4 9.3 13.9



Abundance Ion 43.00 (42.70 to 43.70): VN064346.D (-1986) (-)

Ion 61.00 (60.70 to 61.70): VN064346.D (-1986) (-)

Ion 87.00 (86.70 to 87.70): VN064346.D (-1986) (-)



#44

Trichloroethene

Concen: 19.582 ug/l

RT: 8.80 min Scan# 2196

Delta R.T. 0.00 min

Lab File: VN064346.D

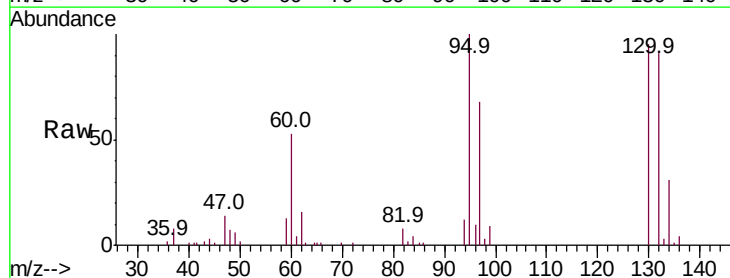
Acq: 28 Oct 2020 12:47

Tgt Ion:130 Resp: 53686

Ion Ratio Lower Upper

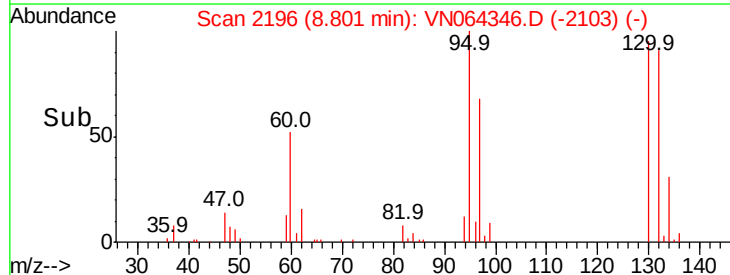
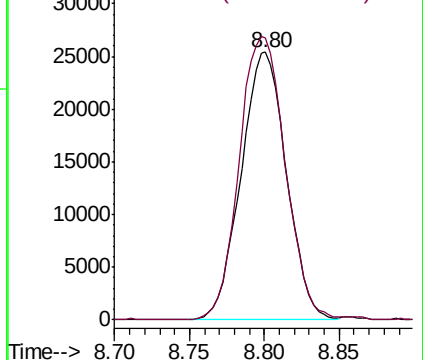
130 100

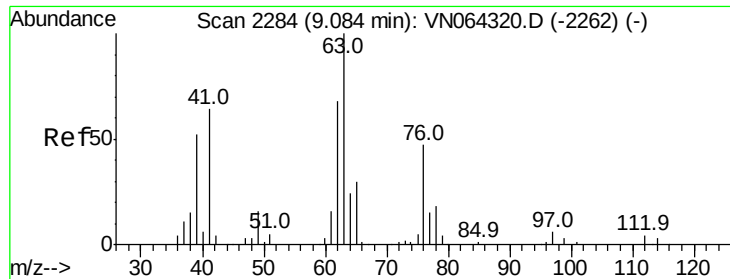
95 105.2 0.0 203.6



Abundance Ion 129.80 (129.50 to 130.50): VN064346.D (-2196) (-)

Ion 94.90 (94.60 to 95.60): VN064346.D (-2196) (-)

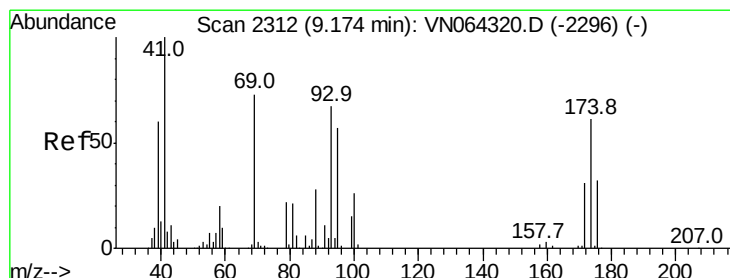
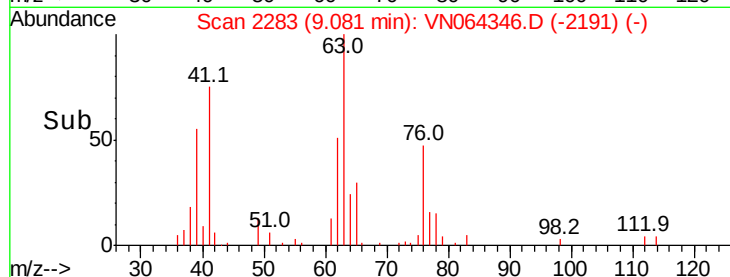
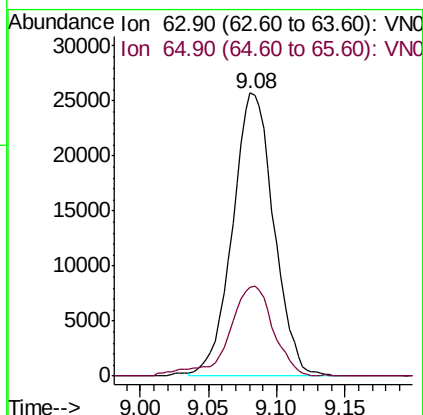
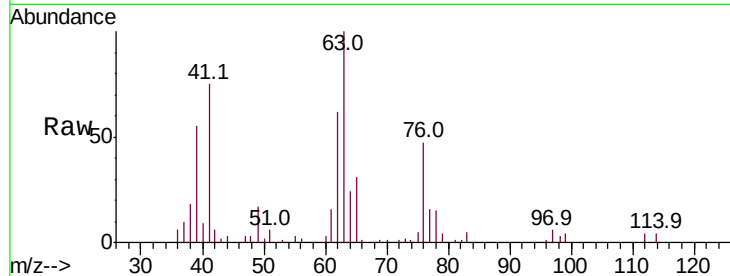




#45
 1,2-Dichloropropane
 Concen: 19.296 ug/l
 RT: 9.08 min Scan# 2283
 Delta R.T. -0.00 min
 Lab File: VN064346.D
 Acq: 28 Oct 2020 12:47

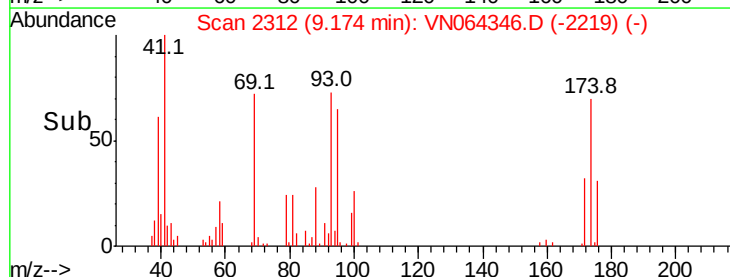
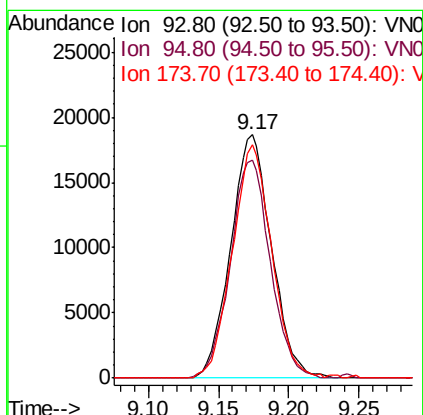
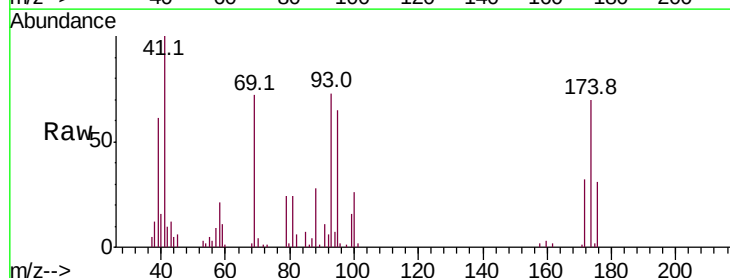
Instrument :
 MSVOA_N
 ClientSampled :
 VN1028WBSD01

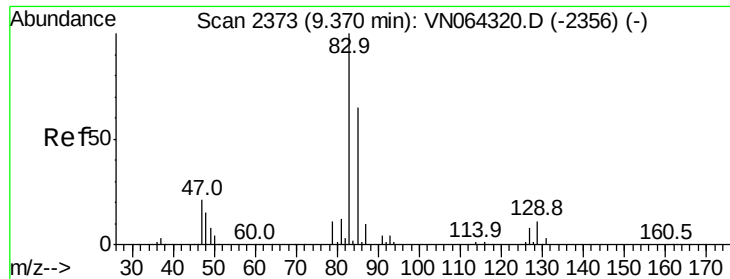
Tot Ion: 63 Resp: 54078
 Ion Ratio Lower Upper
 63 100
 65 31.5 24.3 36.5



#46
 Dibromomethane
 Concen: 19.284 ug/l
 RT: 9.17 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN064346.D
 Acq: 28 Oct 2020 12:47

Tgt Ion: 93 Resp: 37808
 Ion Ratio Lower Upper
 93 100
 95 87.6 64.4 96.6
 174 92.5 71.4 107.0





#47

Bromodichloromethane

Concen: 18.603 ug/l

RT: 9.37 min Scan# 2372

Delta R.T. -0.00 min

Lab File: VN064346.D

Acq: 28 Oct 2020 12:47

Instrument :

MSVOA_N

ClientSampleId :

VN1028WBSD01

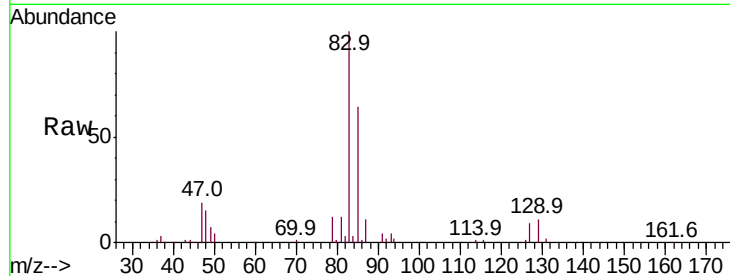
Tot Ion: 83 Resp: 80832

Ion Ratio Lower Upper

83 100

85 63.7 52.1 78.1

127 8.8 6.7 10.1



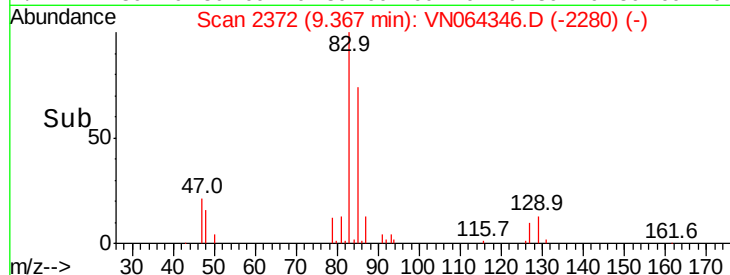
Abundance Ion 82.90 (82.60 to 83.60): VN064320.D (-2356) (-)

Ion 84.90 (84.60 to 85.60): VN064320.D (-2356) (-)

Ion 126.80 (126.50 to 127.50): VN064320.D (-2356) (-)

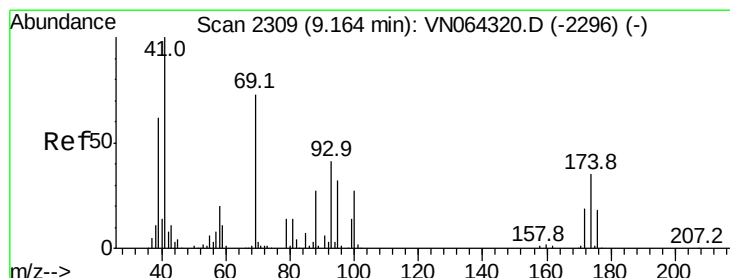
9.37

Time-->



9.37

Time-->



#48

Methyl methacrylate

Concen: 19.499 ug/l

RT: 9.16 min Scan# 2309

Delta R.T. 0.00 min

Lab File: VN064346.D

Acq: 28 Oct 2020 12:47

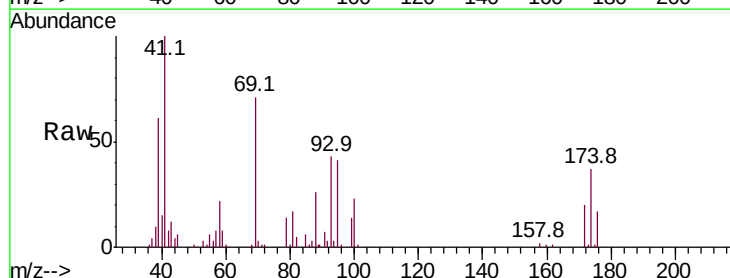
Tgt Ion: 41 Resp: 65311

Ion Ratio Lower Upper

41 100

69 73.5 59.1 88.7

39 62.3 51.3 76.9



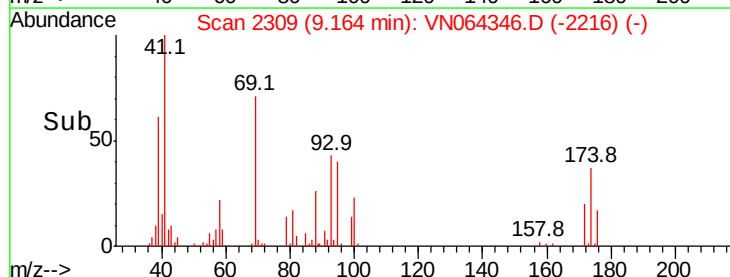
Abundance Ion 41.00 (40.70 to 41.70): VN064320.D (-2296) (-)

Ion 69.00 (68.70 to 69.70): VN064320.D (-2296) (-)

Ion 39.00 (38.70 to 39.70): VN064320.D (-2296) (-)

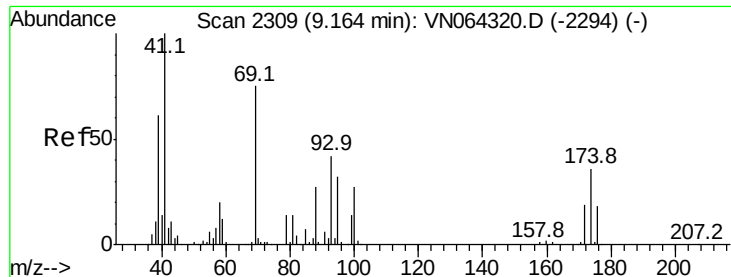
9.16

Time-->



9.16

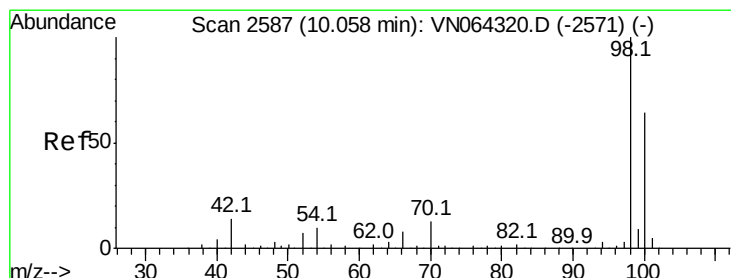
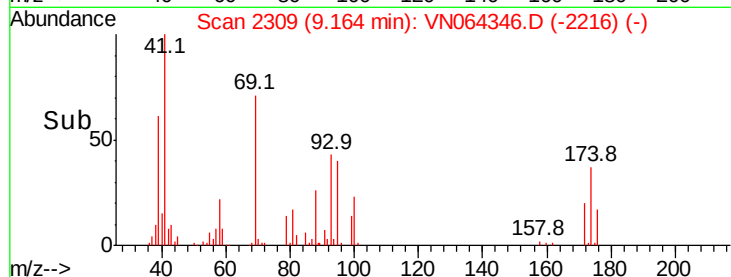
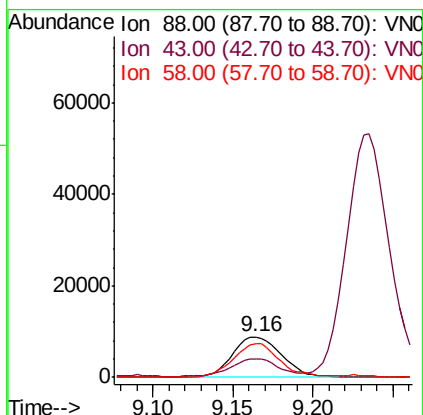
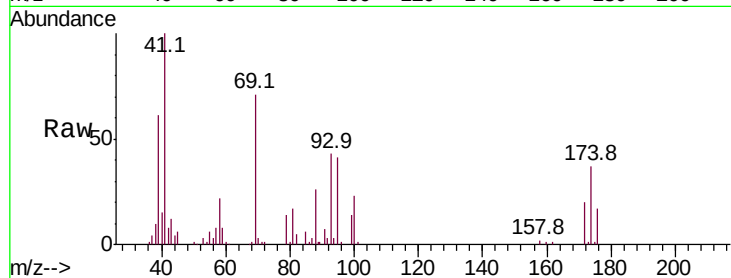
Time-->



#49
 1,4-Dioxane
 Concen: 377.234 ug/l
 RT: 9.16 min Scan# 2309
 Delta R.T. 0.00 min
 Lab File: VN064346.D
 Acq: 28 Oct 2020 12:47

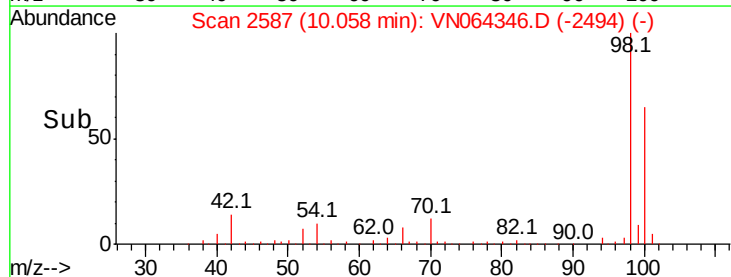
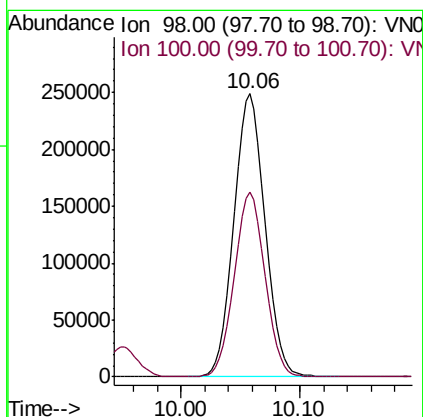
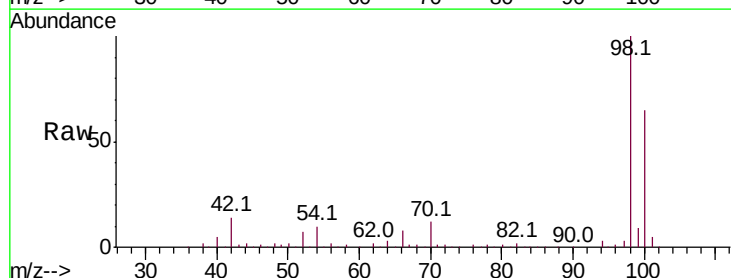
Instrument :
 MSVOA_N
 ClientSampled :
 VN1028WBSD01

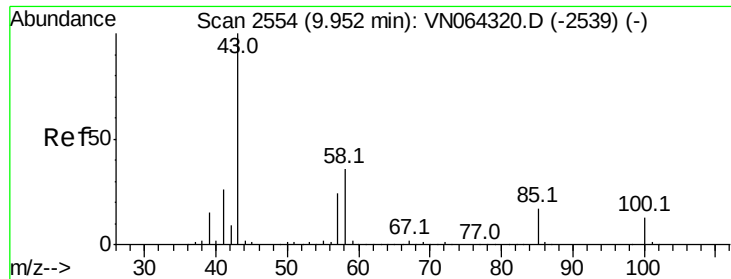
Tot Ion: 88 Resp: 18624
 Ion Ratio Lower Upper
 88 100
 43 47.3 31.8 47.8
 58 79.0 60.3 90.5



#50
 Toluene-d8
 Concen: 49.107 ug/l
 RT: 10.06 min Scan# 2587
 Delta R.T. 0.00 min
 Lab File: VN064346.D
 Acq: 28 Oct 2020 12:47

Tgt Ion: 98 Resp: 451275
 Ion Ratio Lower Upper
 98 100
 100 64.5 50.9 76.3





#51

4-Methyl-2-Pentanone

Concen: 98.725 ug/l

RT: 9.95 min Scan# 2553

Delta R.T. -0.00 min

Lab File: VN064346.D

Acq: 28 Oct 2020 12:47

Instrument :

MSVOA_N

ClientSampleId :

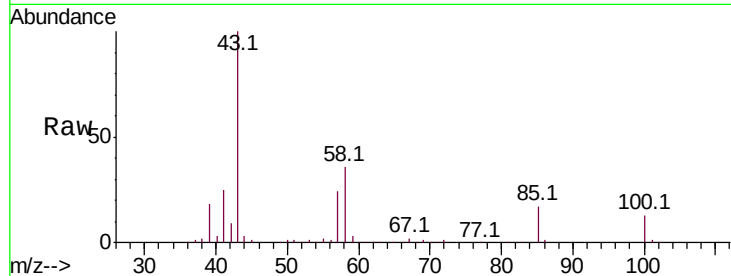
VN1028WBSD01

Tot Ion: 43 Resp: 372564

Ion Ratio Lower Upper

43 100

58 35.3 28.6 42.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

9.95

200000

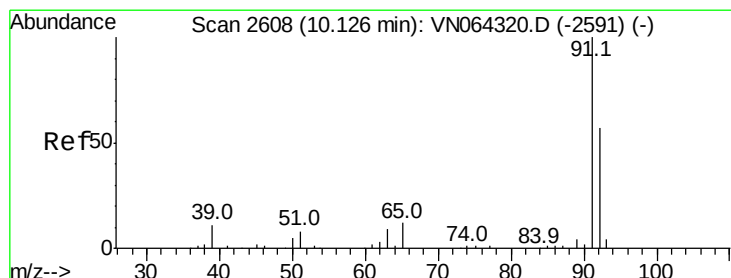
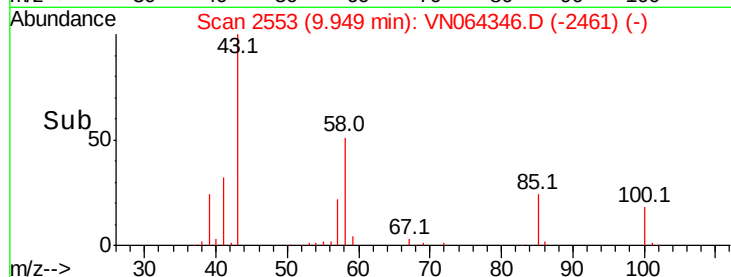
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 18.840 ug/l

RT: 10.12 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN064346.D

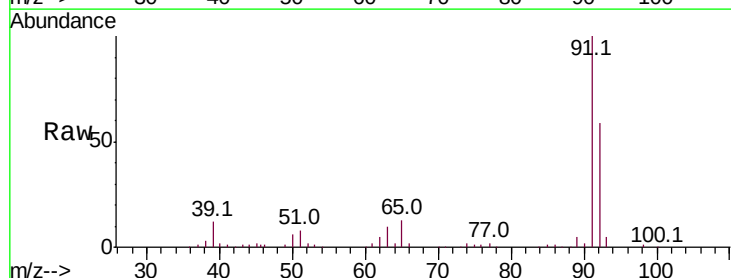
Acq: 28 Oct 2020 12:47

Tgt Ion: 92 Resp: 124418

Ion Ratio Lower Upper

92 100

91 170.0 139.9 209.9



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

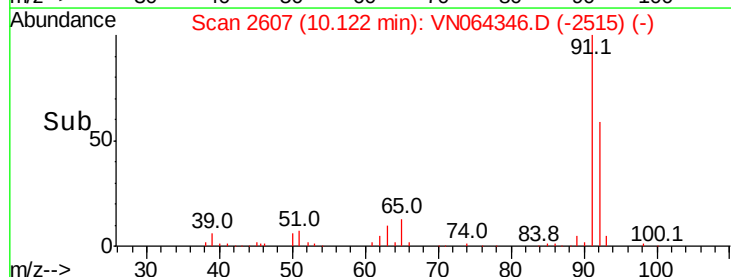
10.12

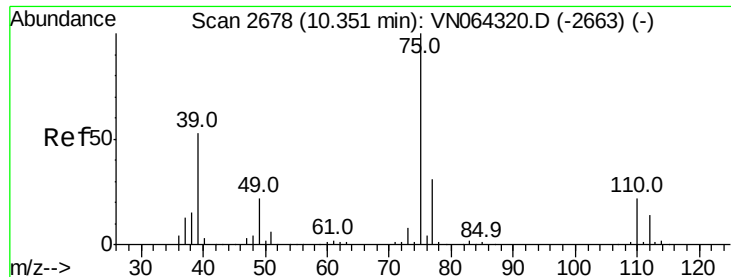
100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 18.954 ug/l

RT: 10.35 min Scan# 2678

Delta R.T. 0.00 min

Lab File: VN064346.D

Acq: 28 Oct 2020 12:47

Instrument :

MSVOA_N

ClientSampleId :

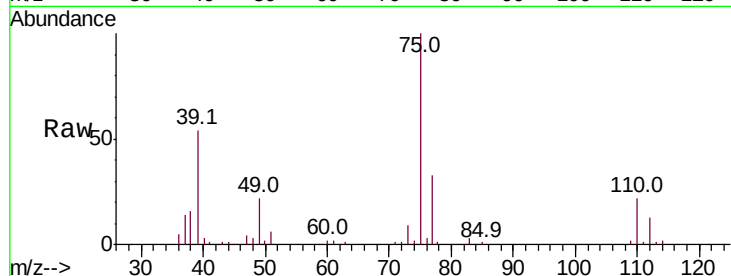
VN1028WBSD01

Tot Ion: 75 Resp: 87080

Ion Ratio Lower Upper

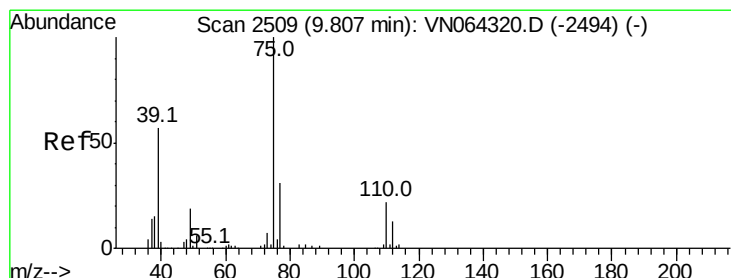
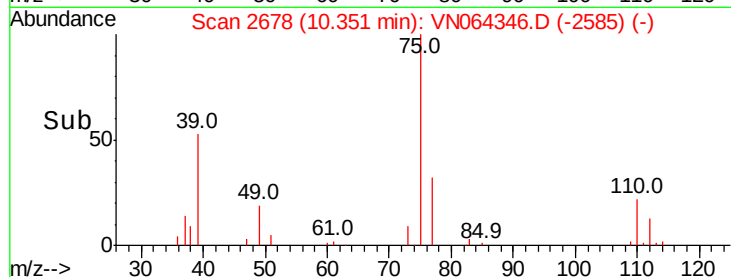
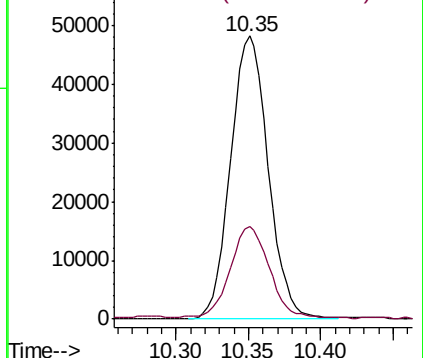
75 100

77 32.3 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: 19.696 ug/l

RT: 9.81 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN064346.D

Acq: 28 Oct 2020 12:47

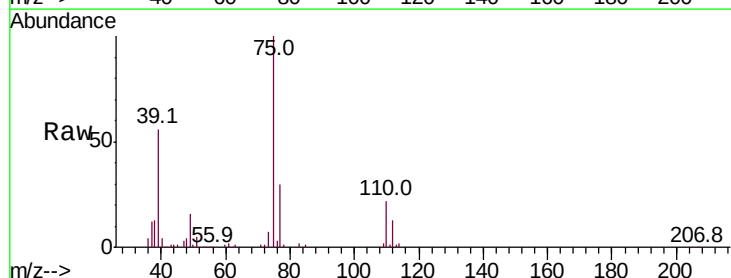
Tgt Ion: 75 Resp: 93150

Ion Ratio Lower Upper

75 100

77 30.5 25.0 37.4

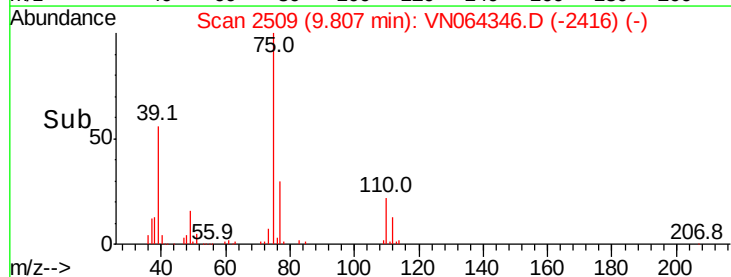
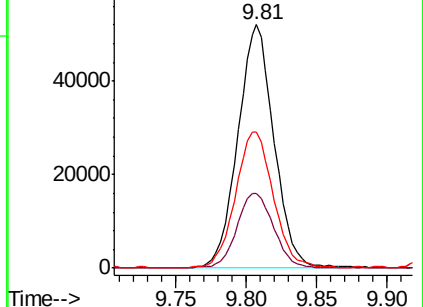
39 55.7 45.5 68.3

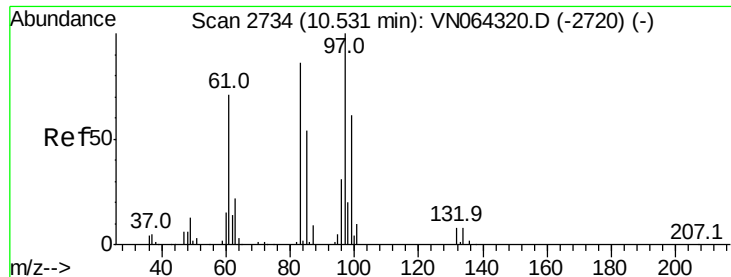


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

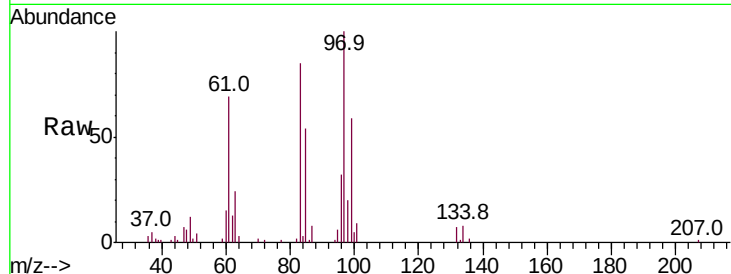




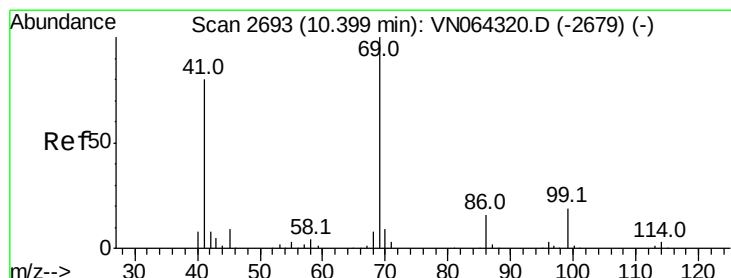
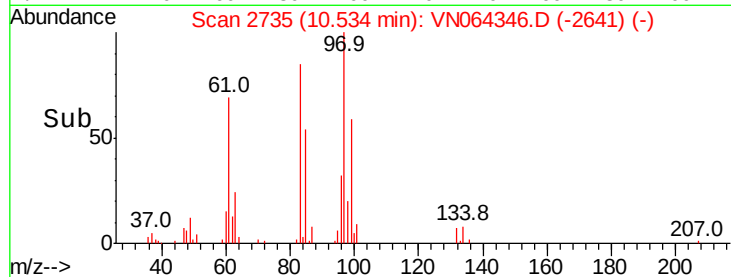
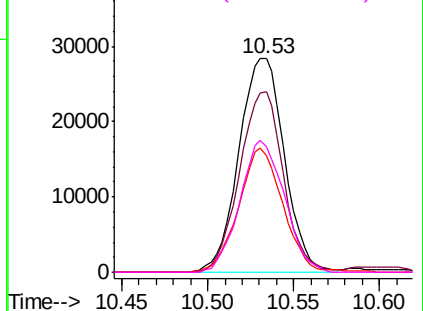
#55
 1,1,2-Trichloroethane
 Concen: 19.966 ug/l
 RT: 10.53 min Scan# 2735
 Delta R.T. 0.00 min
 Lab File: VN064346.D
 Acq: 28 Oct 2020 12:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1028WBSD01

Tot Ion: 97 Resp: 52049
 Ion Ratio Lower Upper
 97 100
 83 84.6 68.9 103.3
 85 54.4 43.6 65.4
 99 58.9 49.2 73.8

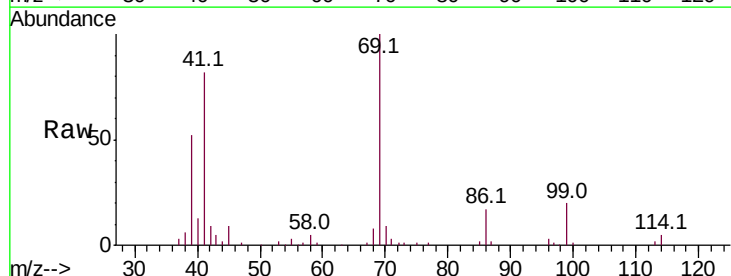


Abundance Ion 96.90 (96.60 to 97.60): VN0
 Ion 82.90 (82.60 to 83.60): VN0
 Ion 84.90 (84.60 to 85.60): VN0
 Ion 98.90 (98.60 to 99.60): VN0

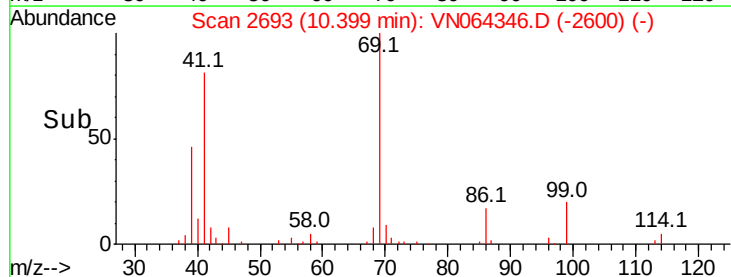
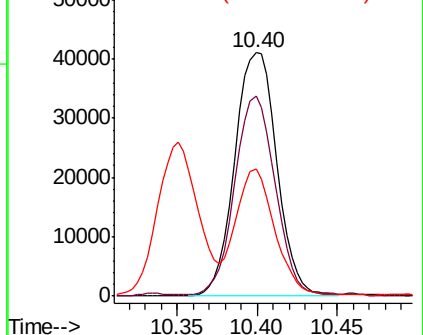


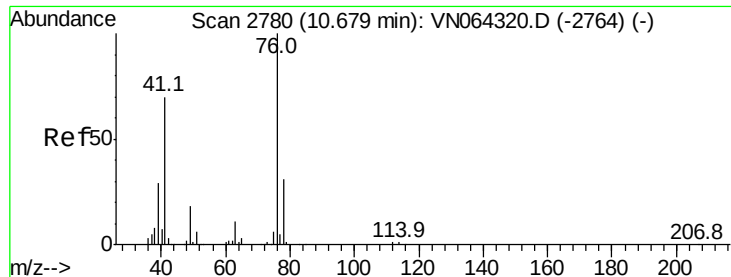
#56
 Ethyl methacrylate
 Concen: 18.680 ug/l
 RT: 10.40 min Scan# 2693
 Delta R.T. 0.00 min
 Lab File: VN064346.D
 Acq: 28 Oct 2020 12:47

Tgt Ion: 69 Resp: 73716
 Ion Ratio Lower Upper
 69 100
 41 78.0 61.4 92.2
 39 47.7 36.5 54.7



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





#57

1,3-Dichloropropane

Concen: 19.481 ug/l

RT: 10.68 min Scan# 2779

Delta R.T. -0.00 min

Lab File: VN064346.D

Acq: 28 Oct 2020 12:47

Instrument :

MSVOA_N

ClientSampled :

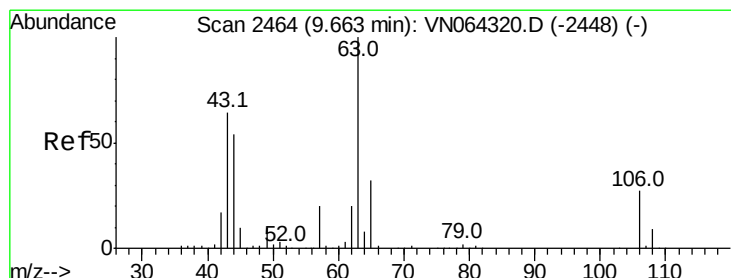
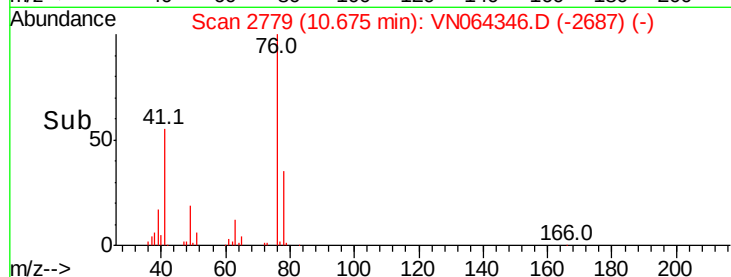
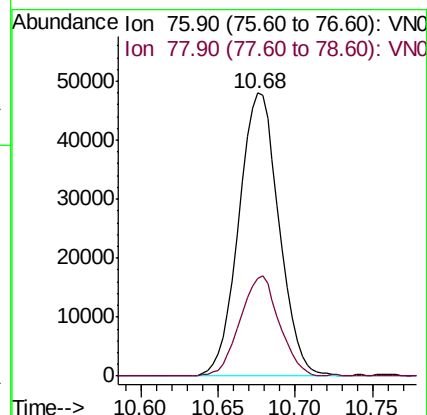
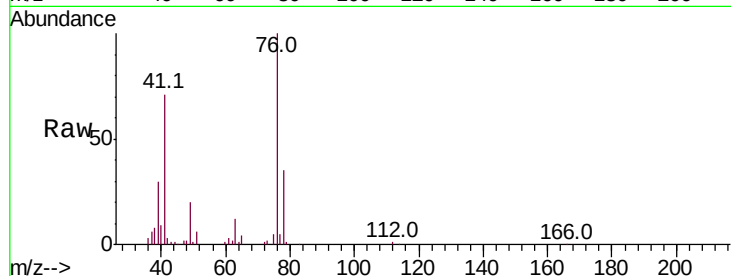
VN1028WBSD01

Tot Ion: 76 Resp: 86631

Ion Ratio Lower Upper

76 100

78 34.6 25.8 38.6



#58

2-Chloroethyl Vinyl ether

Concen: 89.466 ug/l

RT: 9.66 min Scan# 2463

Delta R.T. -0.00 min

Lab File: VN064346.D

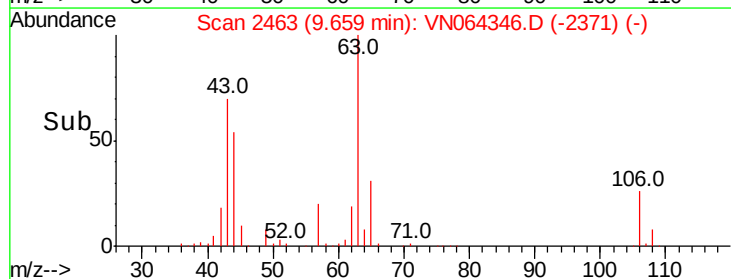
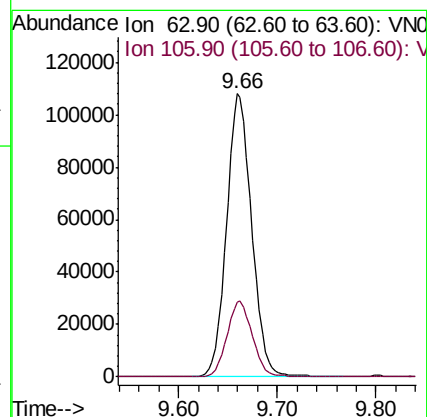
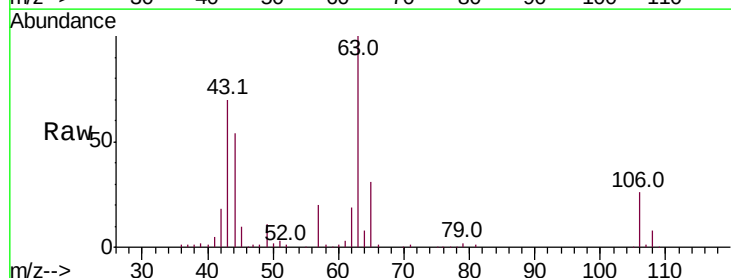
Acq: 28 Oct 2020 12:47

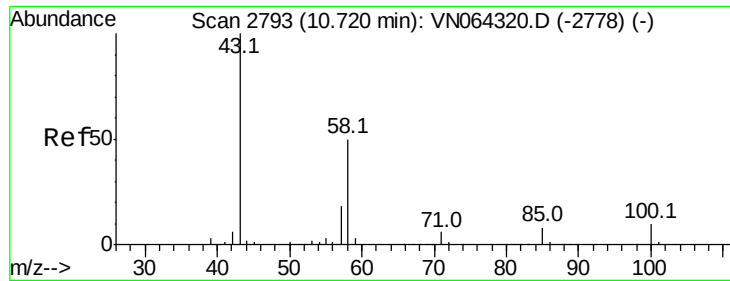
Tgt Ion: 63 Resp: 192654

Ion Ratio Lower Upper

63 100

106 27.0 21.0 31.4





#59

2-Hexanone

Concen: 96.811 ug/l

RT: 10.72 min Scan# 2793

Delta R.T. 0.00 min

Lab File: VN064346.D

Acq: 28 Oct 2020 12:47

Instrument :

MSVOA_N

ClientSampleId :

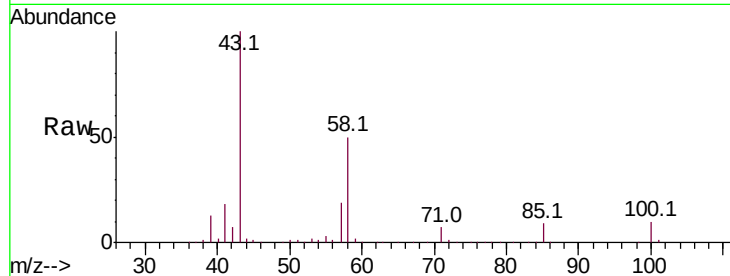
VN1028WBSD01

Tot Ion: 43 Resp: 269075

Ion Ratio Lower Upper

43 100

58 48.6 25.0 75.0



Abundance Ion 43.00 (42.70 to 43.70): VN064320.D (-2778) (-)

Ion 58.00 (57.70 to 58.70): VN064320.D (-2778) (-)

10.72

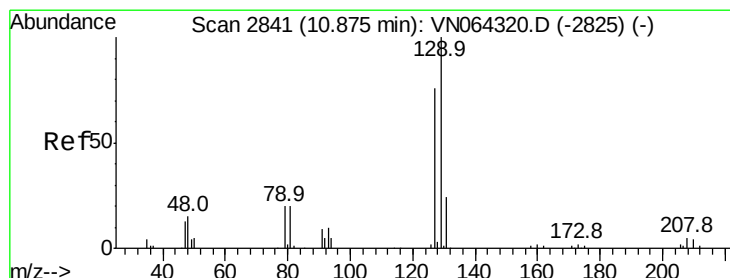
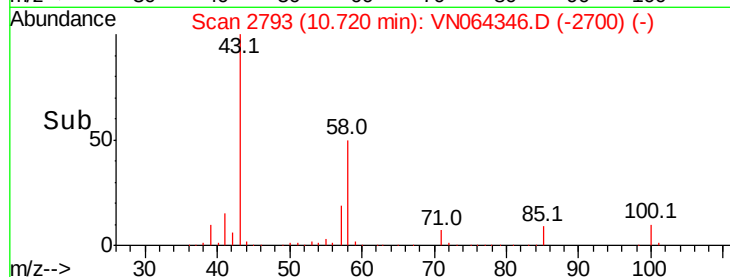
150000

100000

50000

0

Time-->



#60

Dibromochloromethane

Concen: 18.930 ug/l

RT: 10.87 min Scan# 2840

Delta R.T. -0.00 min

Lab File: VN064346.D

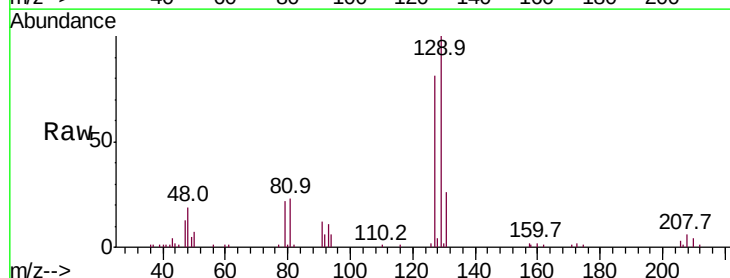
Acq: 28 Oct 2020 12:47

Tgt Ion: 129 Resp: 58346

Ion Ratio Lower Upper

129 100

127 76.8 38.5 115.3



Abundance Ion 128.80 (128.50 to 129.50): VN064320.D (-2825) (-)

Ion 126.80 (126.50 to 127.50): VN064320.D (-2825) (-)

10.87

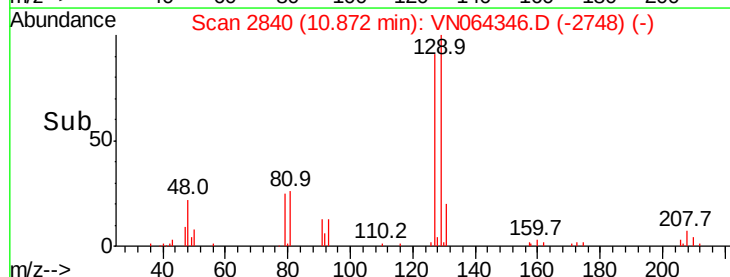
30000

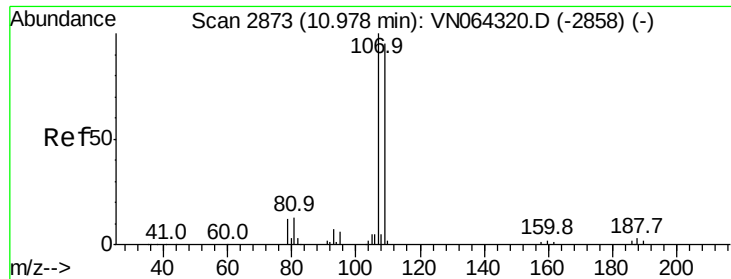
20000

10000

0

Time-->





#61

1,2-Dibromoethane

Concen: 19.793 ug/l

RT: 10.97 min Scan# 2872

Delta R.T. -0.00 min

Lab File: VN064346.D

Acq: 28 Oct 2020 12:47

Instrument :

MSVOA_N

ClientSampleId :

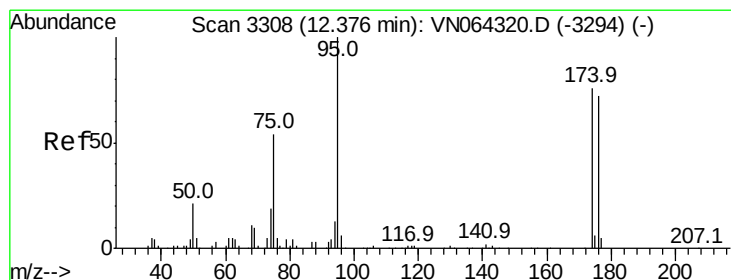
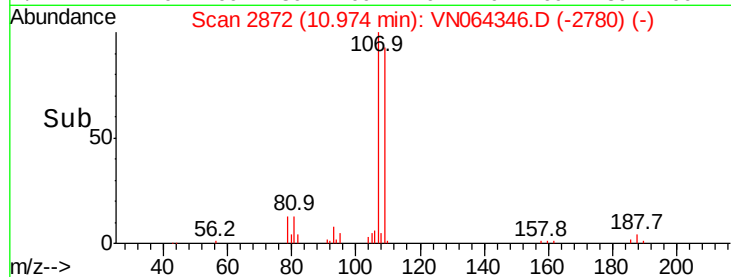
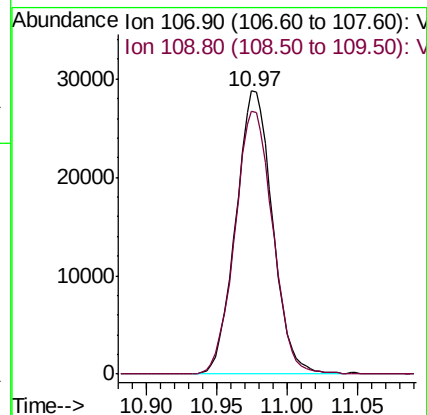
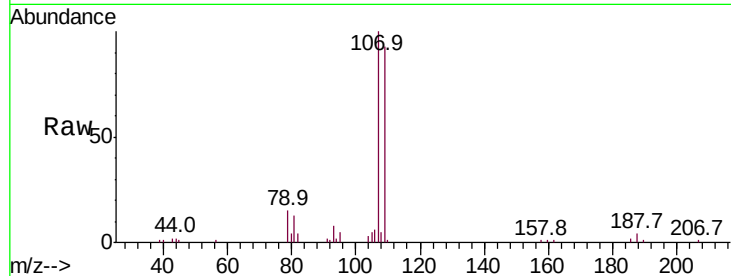
VN1028WBSD01

Tot Ion:107 Resp: 52574

Ion Ratio Lower Upper

107 100

109 95.6 75.8 113.8



#62

4-Bromofluorobenzene

Concen: 49.004 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.00 min

Lab File: VN064346.D

Acq: 28 Oct 2020 12:47

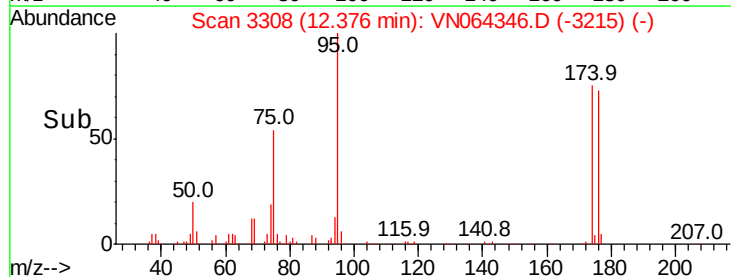
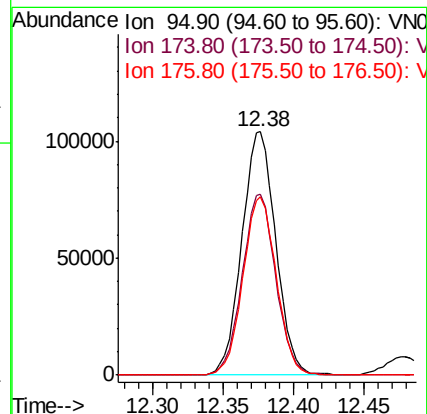
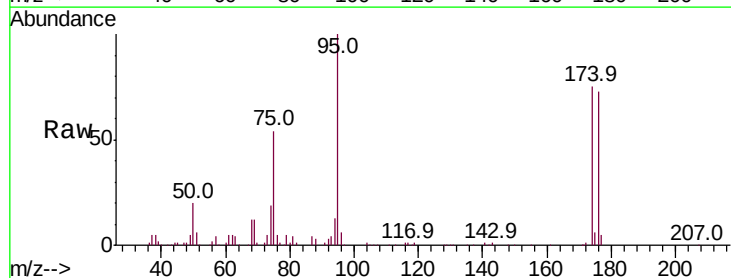
Tgt Ion: 95 Resp: 175580

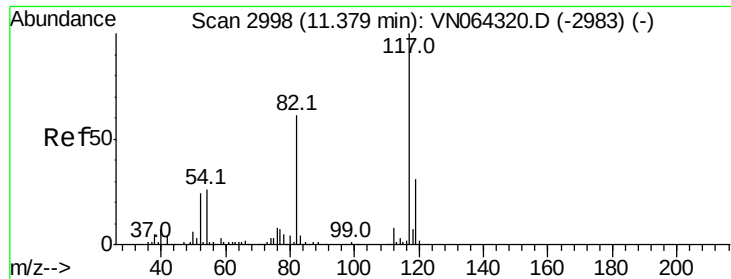
Ion Ratio Lower Upper

95 100

174 73.6 0.0 147.4

176 72.2 0.0 143.6

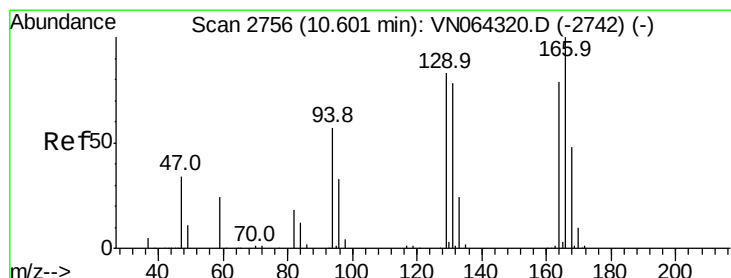
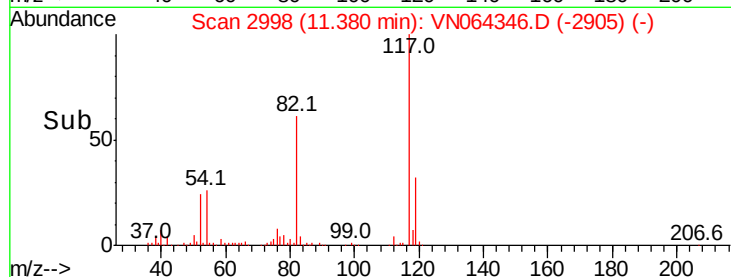
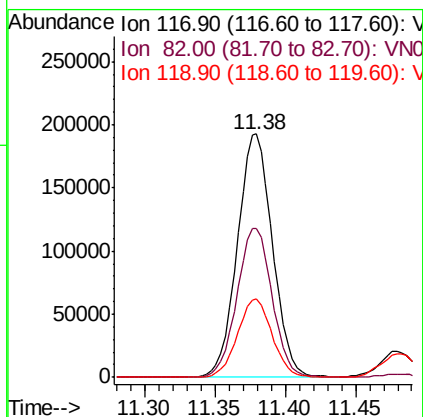
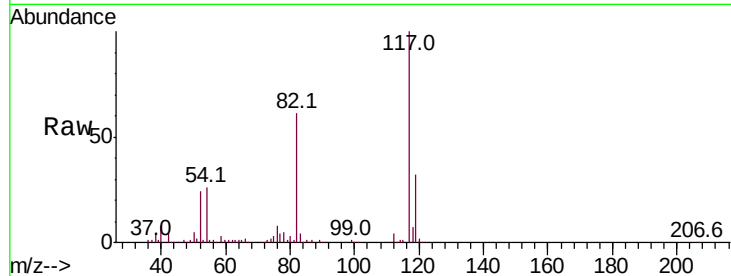




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN064346.D
Acq: 28 Oct 2020 12:47

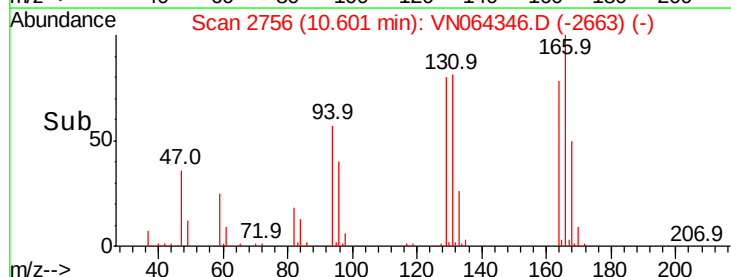
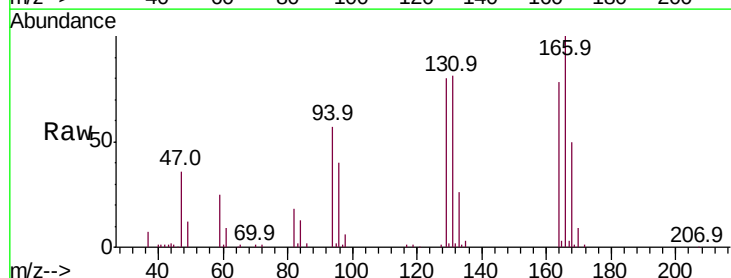
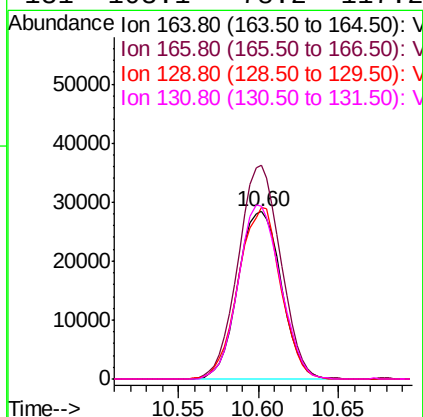
Instrument :
MSVOA_N
ClientSampleId :
VN1028WBSD01

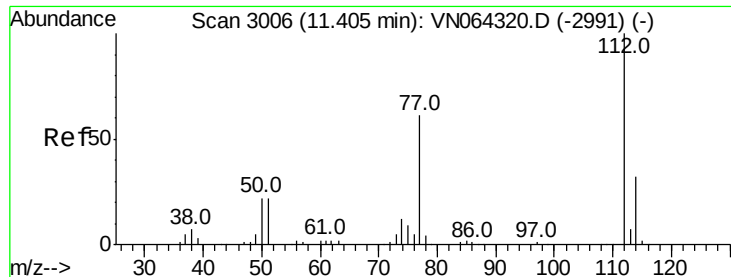
Tot Ion:117 Resp: 335737
Ion Ratio Lower Upper
117 100
82 61.3 48.8 73.2
119 32.1 25.1 37.7



#64
Tetrachloroethene
Concen: 19.000 ug/l
RT: 10.60 min Scan# 2756
Delta R.T. 0.00 min
Lab File: VN064346.D
Acq: 28 Oct 2020 12:47

Tgt Ion:164 Resp: 52430
Ion Ratio Lower Upper
164 100
166 127.6 100.7 151.1
129 102.5 83.7 125.5
131 103.1 78.2 117.2

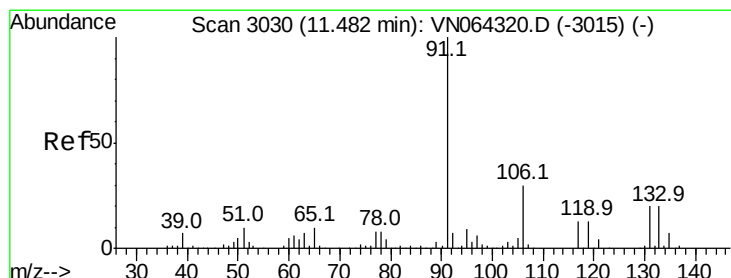
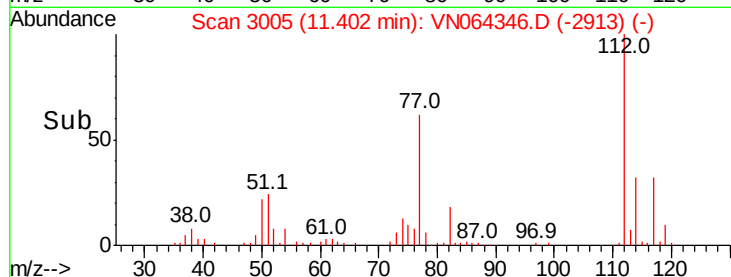
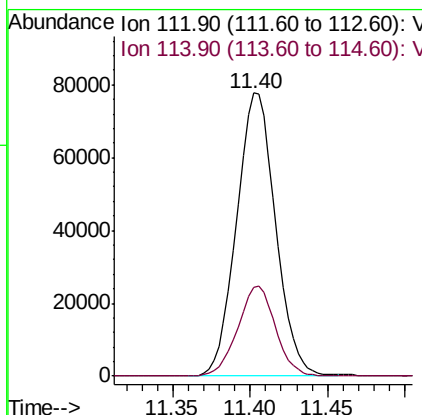
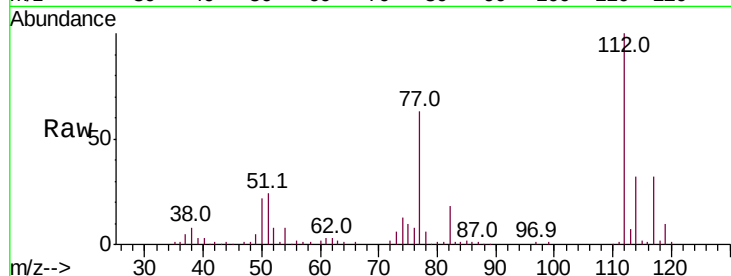




#65
Chlorobenzene
Concen: 20.040 ug/l
RT: 11.40 min Scan# 3005
Delta R.T. -0.00 min
Lab File: VN064346.D
Acq: 28 Oct 2020 12:47

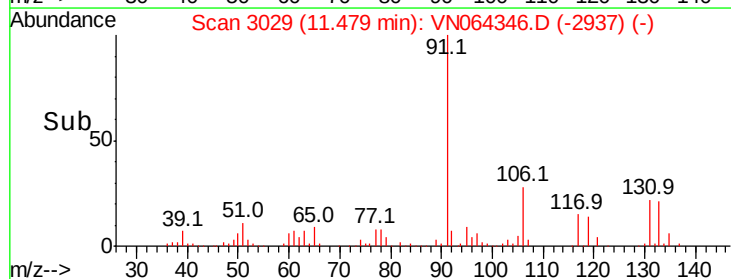
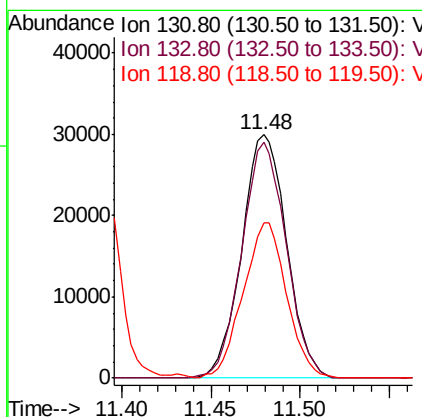
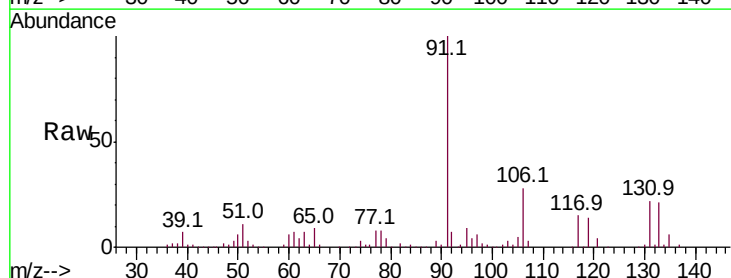
Instrument :
MSVOA_N
ClientSampled :
VN1028WBSD01

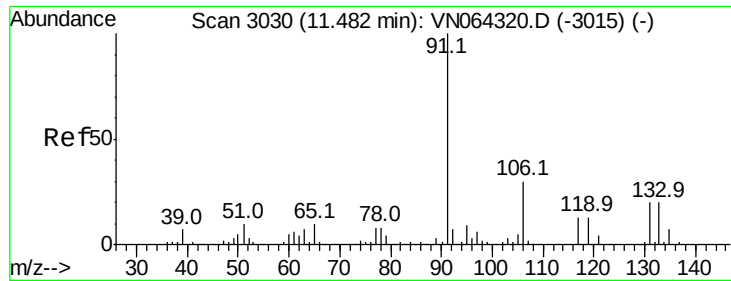
Tot Ion:112 Resp: 136403
Ion Ratio Lower Upper
112 100
114 31.6 25.4 38.0



#66
1,1,1,2-Tetrachloroethane
Concen: 19.159 ug/l
RT: 11.48 min Scan# 3029
Delta R.T. -0.00 min
Lab File: VN064346.D
Acq: 28 Oct 2020 12:47

Tgt Ion:131 Resp: 52709
Ion Ratio Lower Upper
131 100
133 95.8 49.3 147.8
119 61.9 32.3 96.9

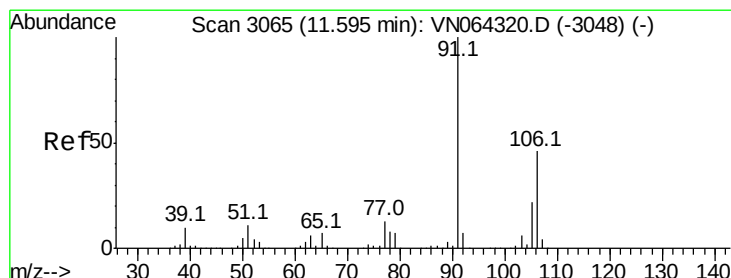
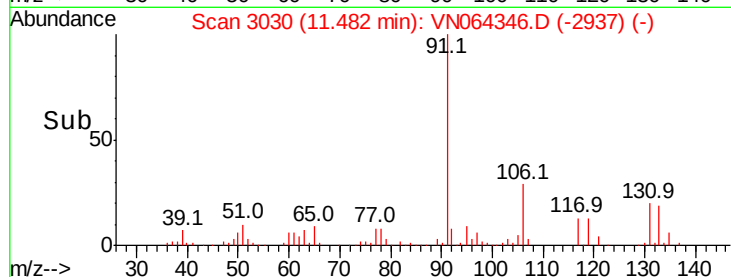
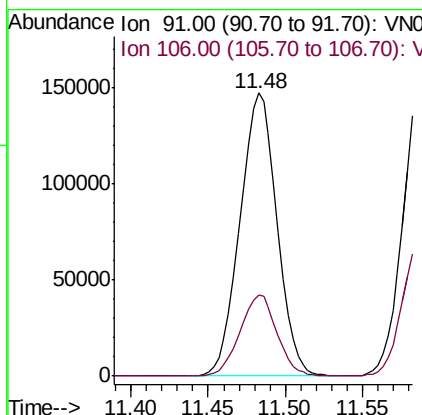
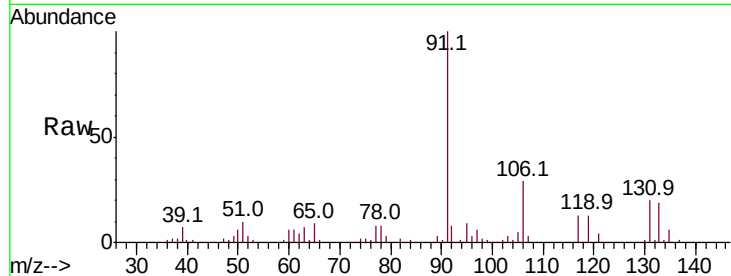




#67
Ethyl Benzene
Concen: 19.331 ug/l
RT: 11.48 min Scan# 3030
Delta R.T. 0.00 min
Lab File: VN064346.D
Acq: 28 Oct 2020 12:47

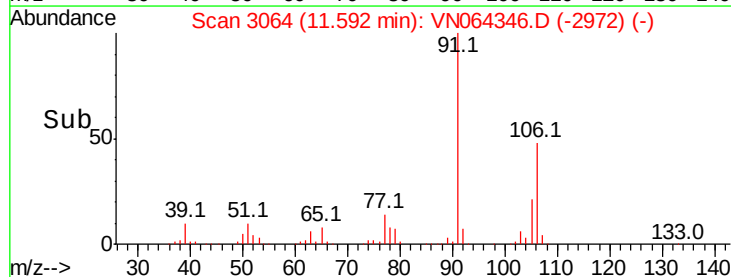
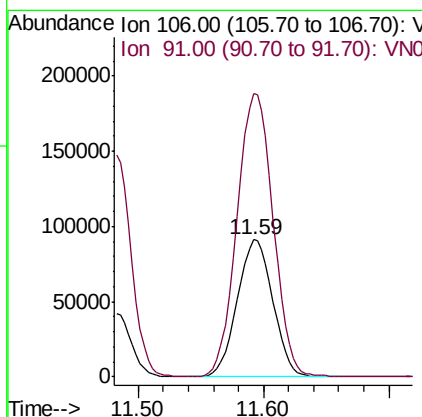
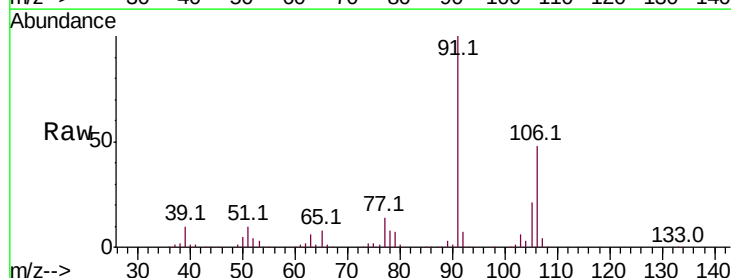
Instrument :
MSVOA_N
ClientSampled :
VN1028WBSD01

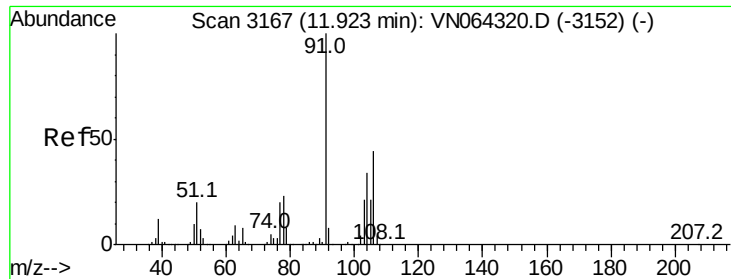
Tot Ion: 91 Resp: 244621
Ion Ratio Lower Upper
91 100
106 28.7 23.7 35.5



#68
m/p-Xylenes
Concen: 38.418 ug/l
RT: 11.59 min Scan# 3064
Delta R.T. -0.00 min
Lab File: VN064346.D
Acq: 28 Oct 2020 12:47

Tgt Ion: 106 Resp: 180164
Ion Ratio Lower Upper
106 100
91 209.1 170.2 255.4

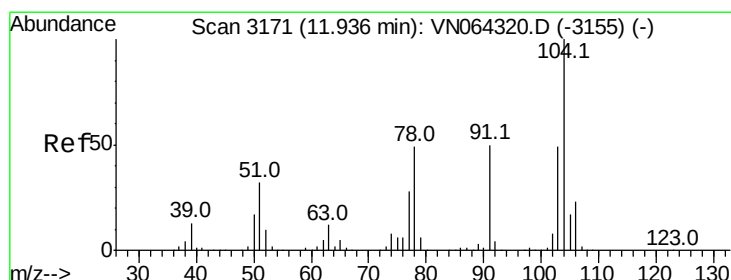
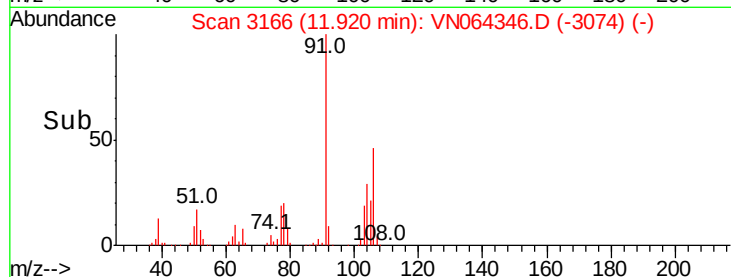
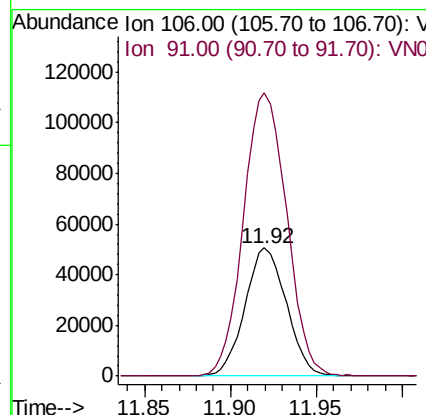
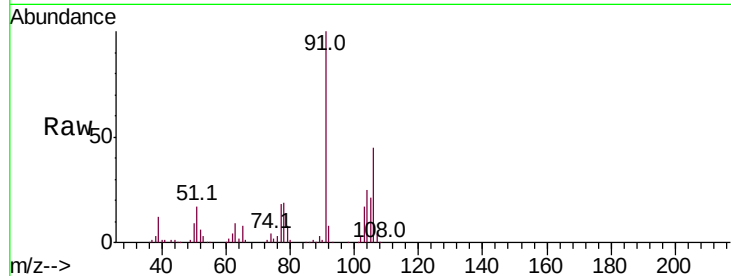




#69
o-Xylene
Concen: 18.744 ug/l
RT: 11.92 min Scan# 3166
Delta R.T. -0.00 min
Lab File: VN064346.D
Acq: 28 Oct 2020 12:47

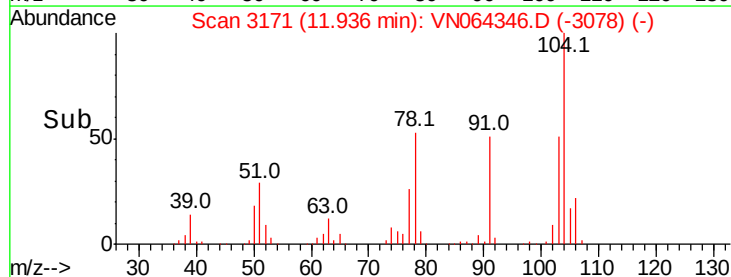
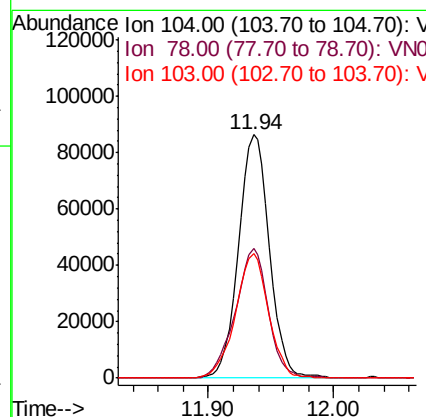
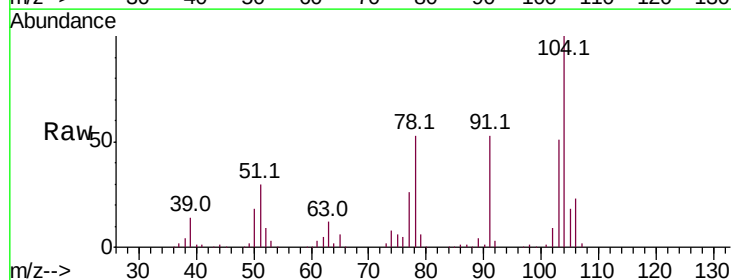
Instrument :
MSVOA_N
ClientSampleId :
VN1028WBSD01

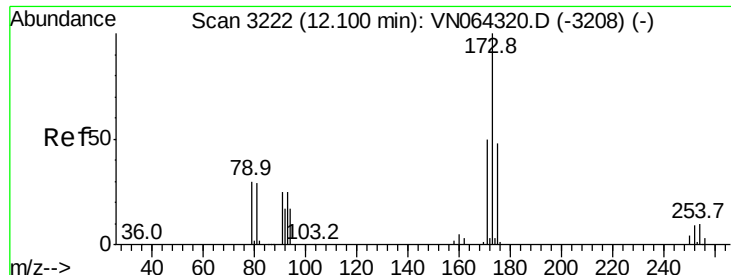
Tot Ion:106 Resp: 84687
Ion Ratio Lower Upper
106 100
91 230.6 114.5 343.5



#70
Styrene
Concen: 19.973 ug/l
RT: 11.94 min Scan# 3171
Delta R.T. 0.00 min
Lab File: VN064346.D
Acq: 28 Oct 2020 12:47

Tgt Ion:104 Resp: 147951
Ion Ratio Lower Upper
104 100
78 56.6 43.7 65.5
103 54.6 43.3 64.9





#71

Bromoform

Concen: 19.142 ug/l

RT: 12.10 min Scan# 3222

Delta R.T. 0.00 min

Lab File: VN064346.D

Acq: 28 Oct 2020 12:47

Instrument :

MSVOA_N

ClientSampleId :

VN1028WBSD01

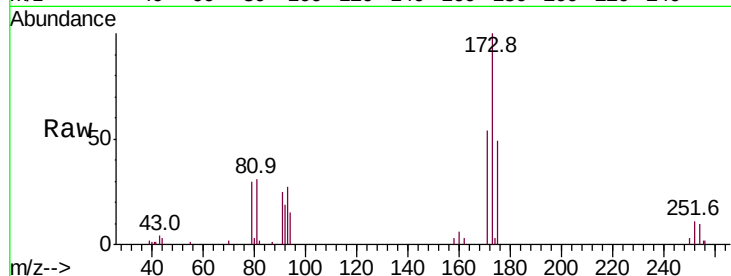
Tot Ion:173 Resp: 41332

Ion Ratio Lower Upper

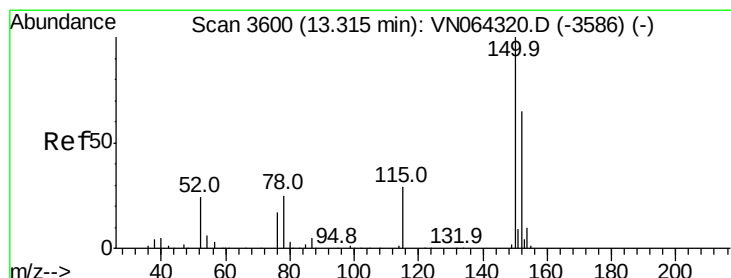
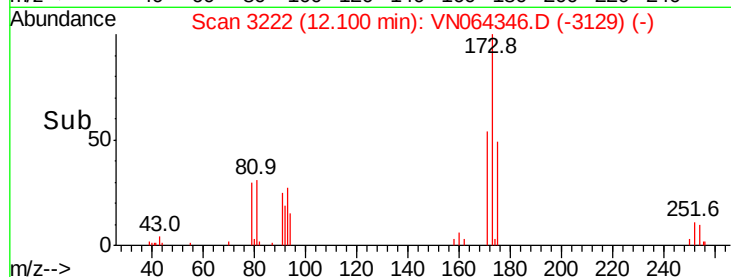
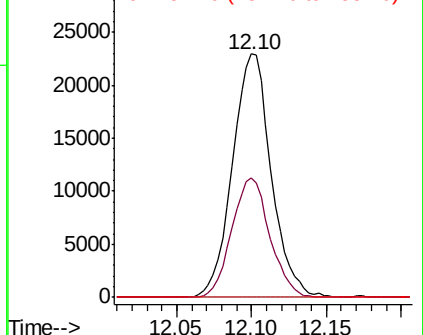
173 100

175 48.1 25.4 76.0

254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3600

Delta R.T. 0.00 min

Lab File: VN064346.D

Acq: 28 Oct 2020 12:47

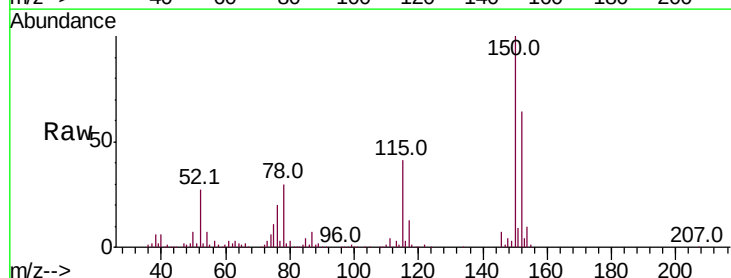
Tgt Ion:152 Resp: 161773

Ion Ratio Lower Upper

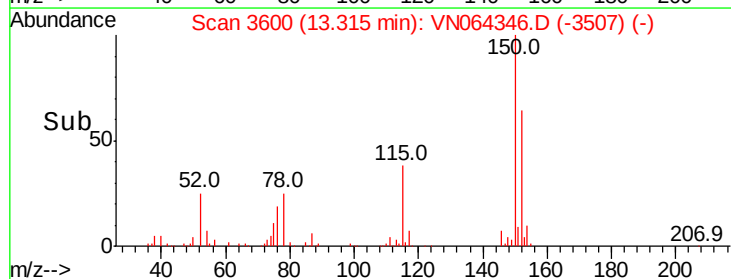
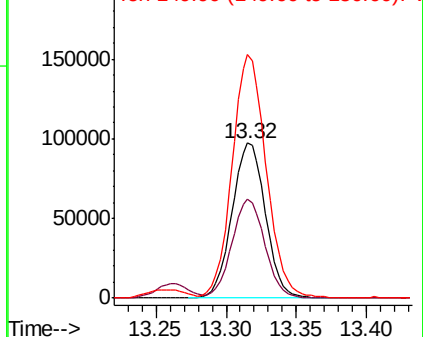
152 100

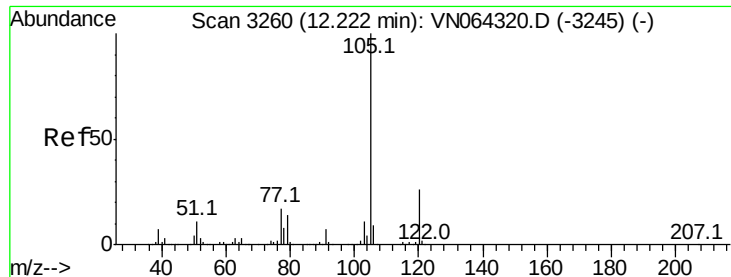
115 62.5 31.5 94.5

150 159.4 0.0 346.2



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 19.175 ug/l

RT: 12.22 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN064346.D

Acq: 28 Oct 2020 12:47

Instrument :

MSVOA_N

ClientSampleId :

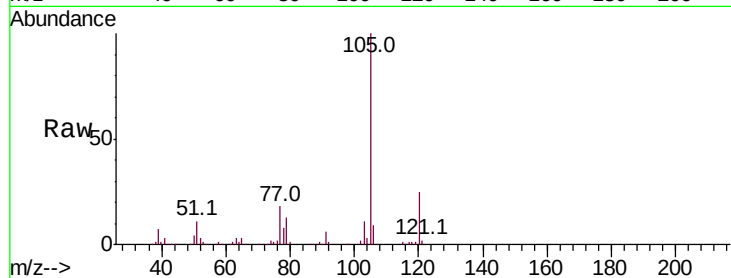
VN1028WBSD01

Tot Ion:105 Resp: 232333

Ion Ratio Lower Upper

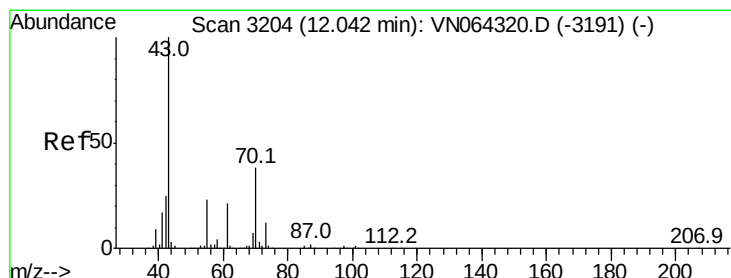
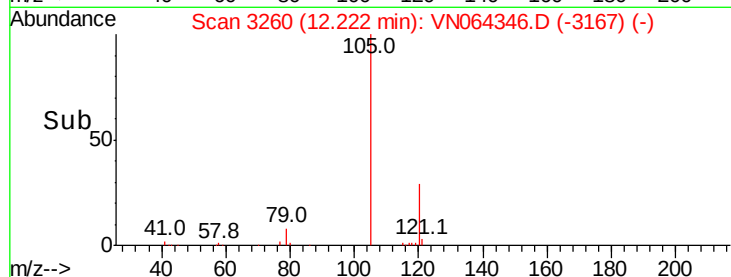
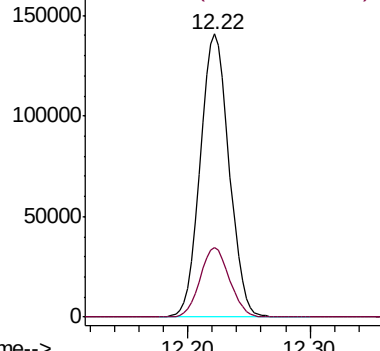
105 100

120 25.0 13.2 39.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-amyl acetate

Concen: 20.124 ug/l

RT: 12.05 min Scan# 3205

Delta R.T. 0.00 min

Lab File: VN064346.D

Acq: 28 Oct 2020 12:47

Tgt Ion: 43 Resp: 107326

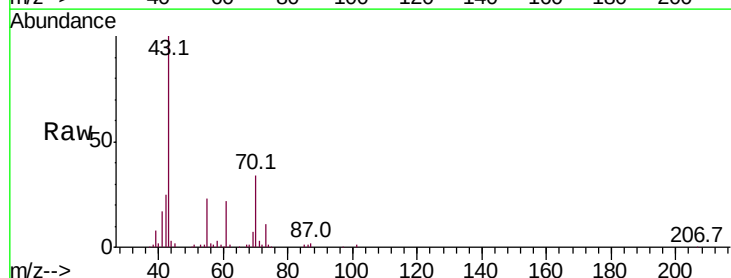
Ion Ratio Lower Upper

43 100

70 35.4 30.6 45.8

55 21.7 18.2 27.4

61 20.3 17.6 26.4

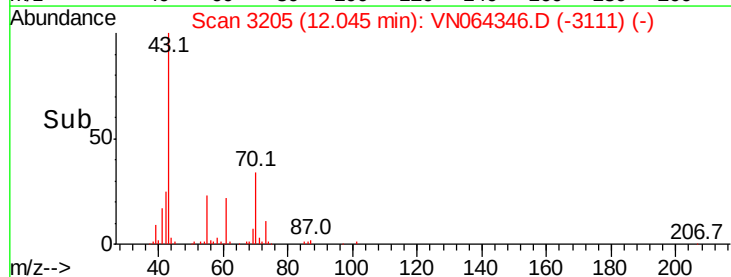
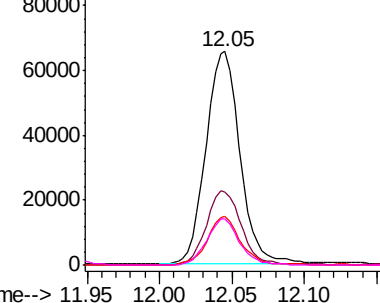


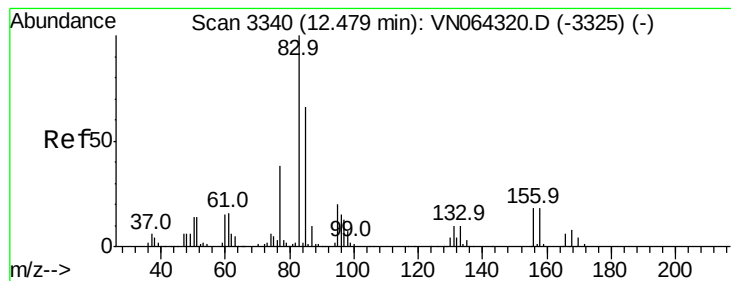
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 19.937 ug/l

RT: 12.48 min Scan# 3340

Delta R.T. 0.00 min

Lab File: VN064346.D

Acq: 28 Oct 2020 12:47

Instrument :

MSVOA_N

ClientSampleId :

VN1028WBSD01

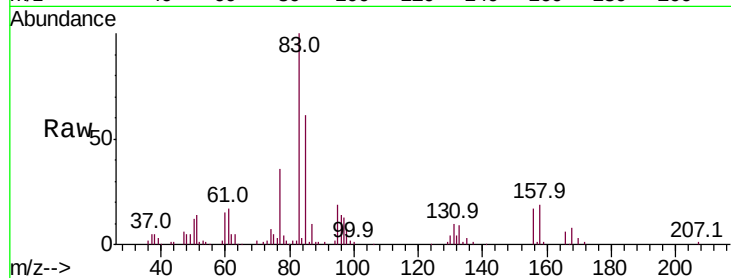
Tot Ion: 83 Resp: 70217

Ion Ratio Lower Upper

83 100

131 11.2 5.4 16.2

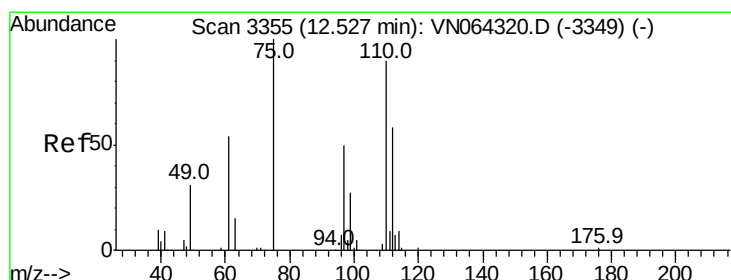
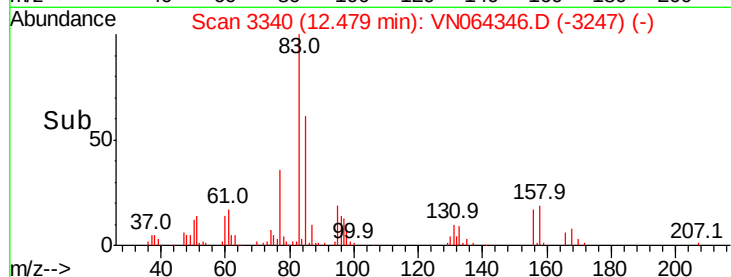
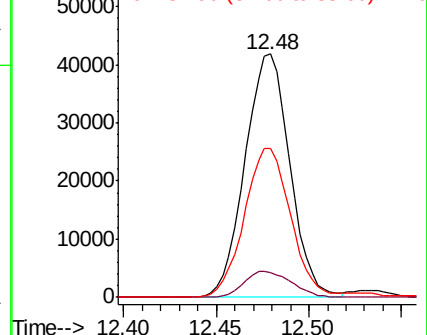
85 63.2 33.0 98.9



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 26.156 ug/l

RT: 12.53 min Scan# 3355

Delta R.T. 0.00 min

Lab File: VN064346.D

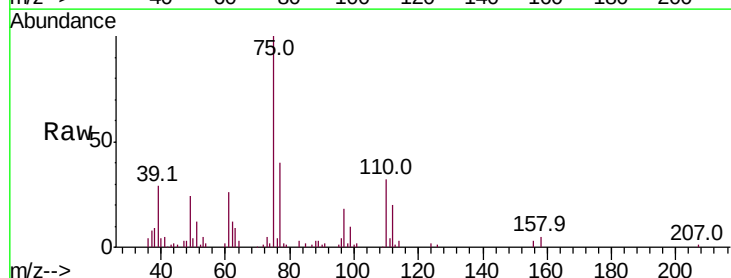
Acq: 28 Oct 2020 12:47

Tgt Ion: 75 Resp: 101331

Ion Ratio Lower Upper

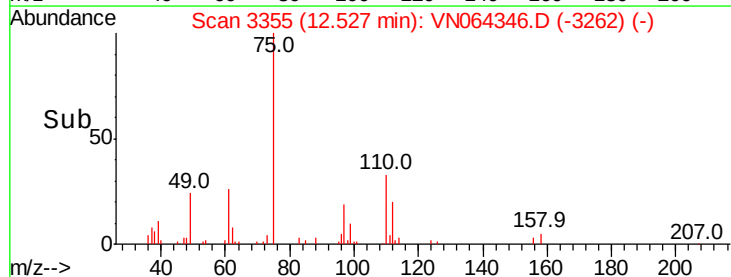
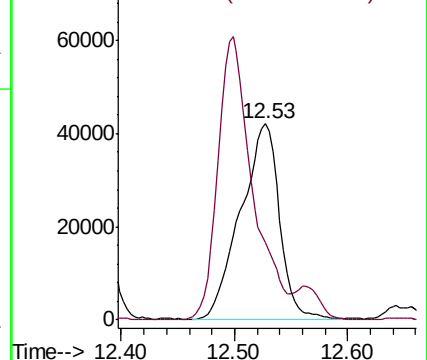
75 100

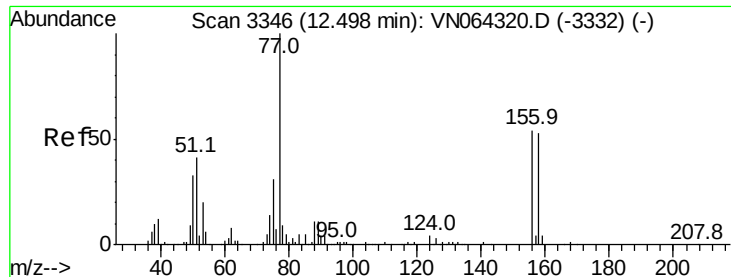
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 19.666 ug/l

RT: 12.50 min Scan# 3346

Delta R.T. 0.00 min

Lab File: VN064346.D

Acq: 28 Oct 2020 12:47

Instrument :

MSVOA_N

ClientSampled :

VN1028WBSD01

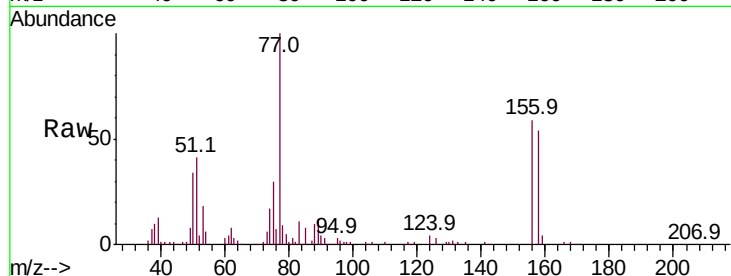
Tot Ion:156 Resp: 58347

Ion Ratio Lower Upper

156 100

77 223.0 111.9 335.7

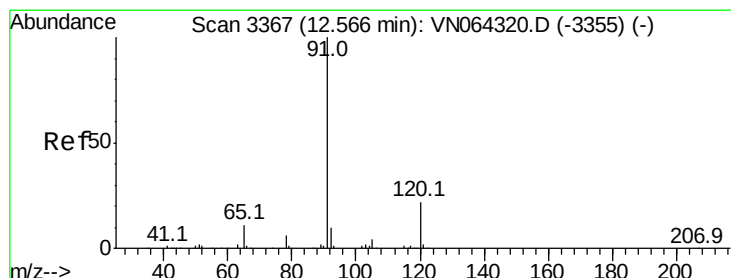
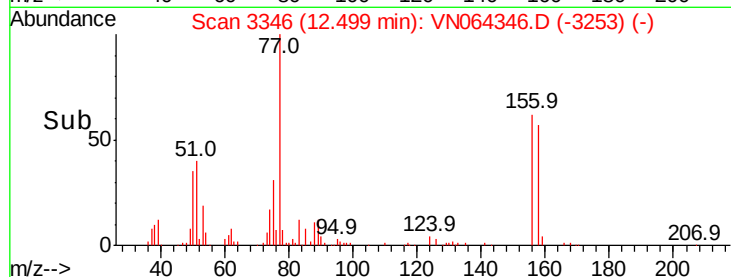
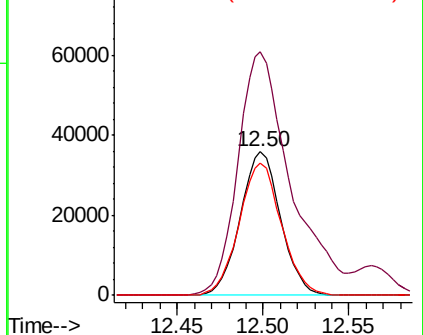
158 96.9 49.0 147.0



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: 19.052 ug/l

RT: 12.56 min Scan# 3366

Delta R.T. -0.00 min

Lab File: VN064346.D

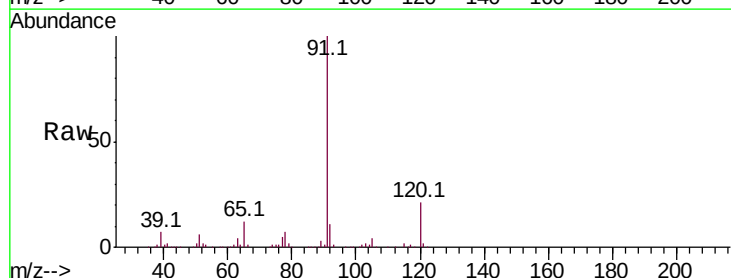
Acq: 28 Oct 2020 12:47

Tgt Ion: 91 Resp: 261344

Ion Ratio Lower Upper

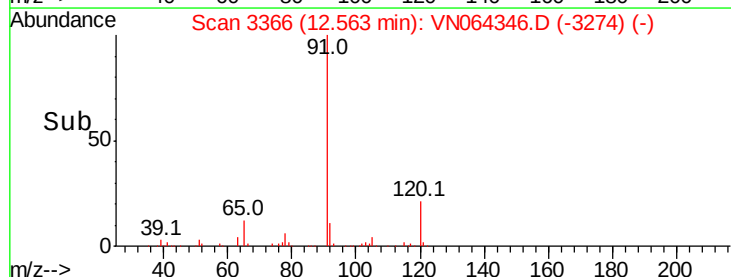
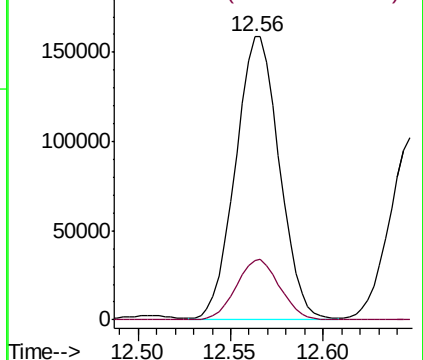
91 100

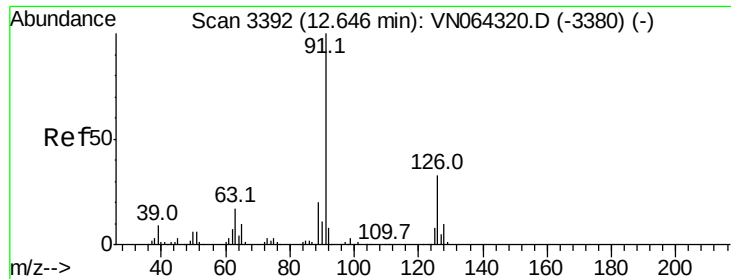
120 21.0 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

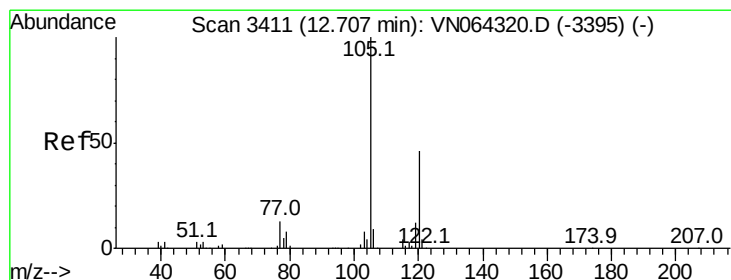
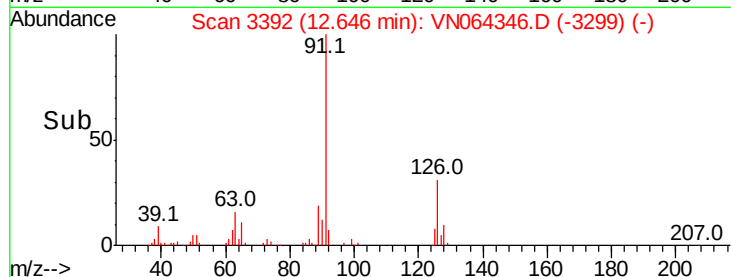
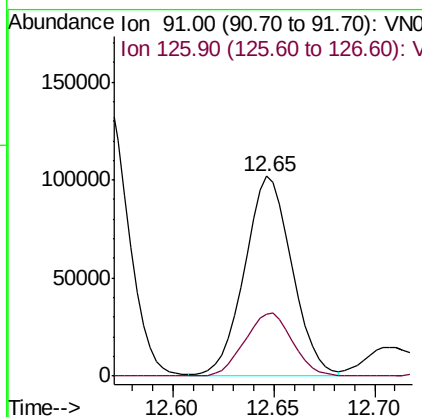
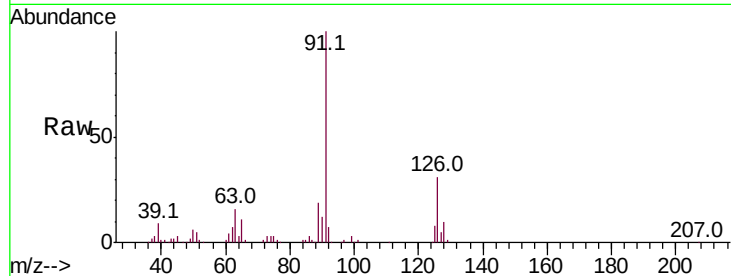




#79
 2-Chlorotoluene
 Concen: 19.068 ug/l
 RT: 12.65 min Scan# 3392
 Delta R.T. 0.00 min
 Lab File: VN064346.D
 Acq: 28 Oct 2020 12:47

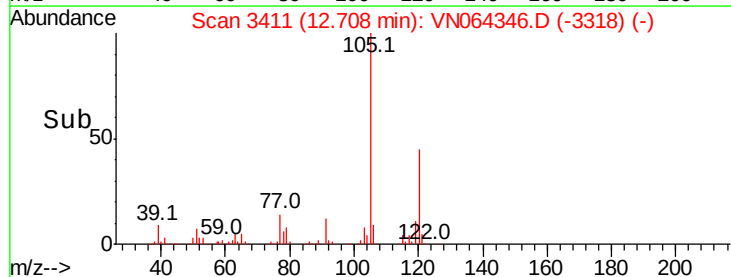
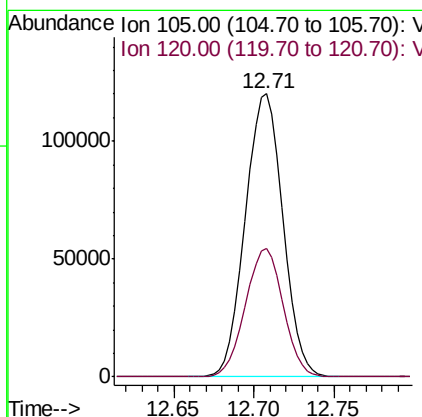
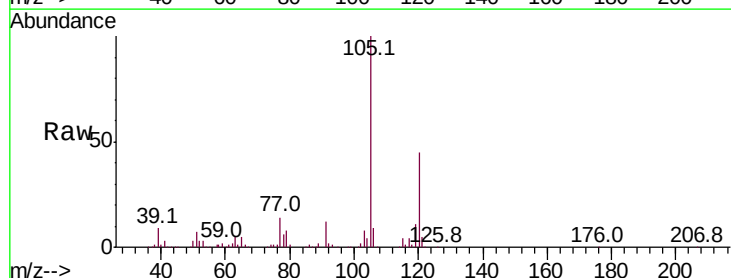
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1028WBSD01

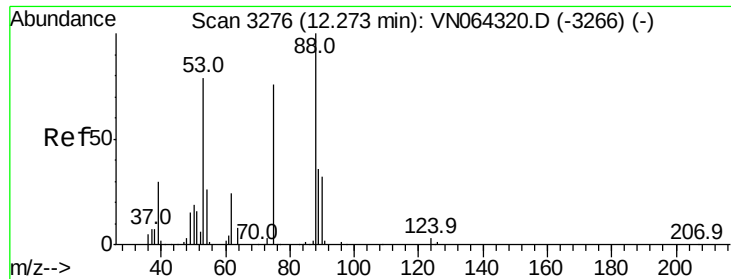
Tot Ion: 91 Resp: 167205
 Ion Ratio Lower Upper
 91 100
 126 31.8 16.2 48.5



#80
 1,3,5-Trimethylbenzene
 Concen: 18.824 ug/l
 RT: 12.71 min Scan# 3411
 Delta R.T. 0.00 min
 Lab File: VN064346.D
 Acq: 28 Oct 2020 12:47

Tgt Ion: 105 Resp: 192991
 Ion Ratio Lower Upper
 105 100
 120 45.5 22.9 68.8





#81

trans-1,4-Dichloro-2-butene

Concen: 18.940 ug/l

RT: 12.27 min Scan# 3276

Delta R.T. 0.00 min

Lab File: VN064346.D

Acq: 28 Oct 2020 12:47

Instrument :

MSVOA_N

ClientSampleId :

VN1028WBSD01

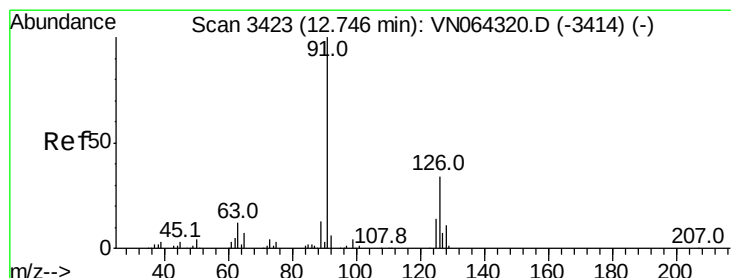
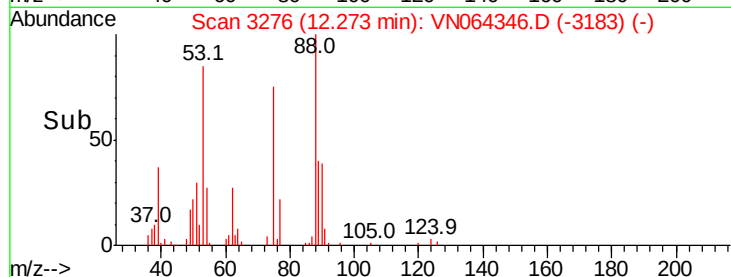
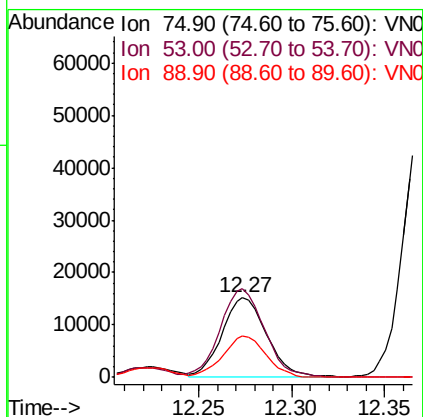
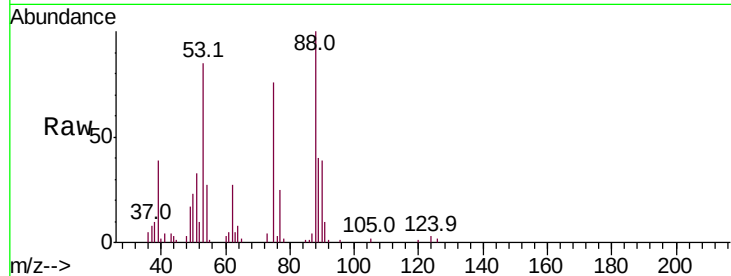
Tot Ion: 75 Resp: 25472

Ion Ratio Lower Upper

75 100

53 110.1 81.8 122.8

89 50.3 39.9 59.9



#82

4-Chlorotoluene

Concen: 19.272 ug/l

RT: 12.75 min Scan# 3423

Delta R.T. 0.00 min

Lab File: VN064346.D

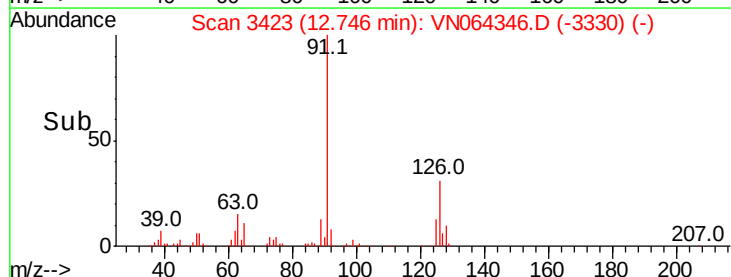
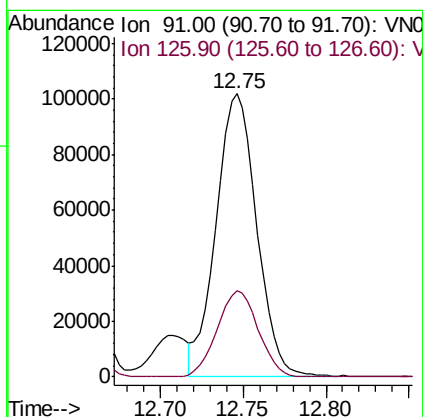
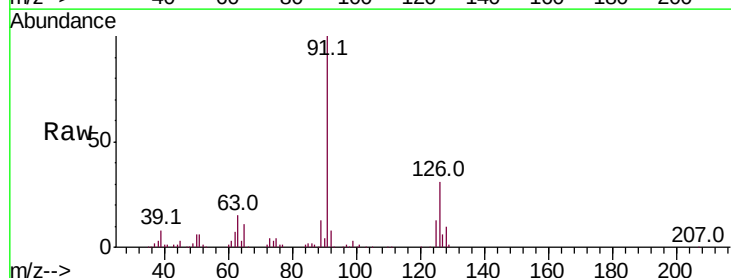
Acq: 28 Oct 2020 12:47

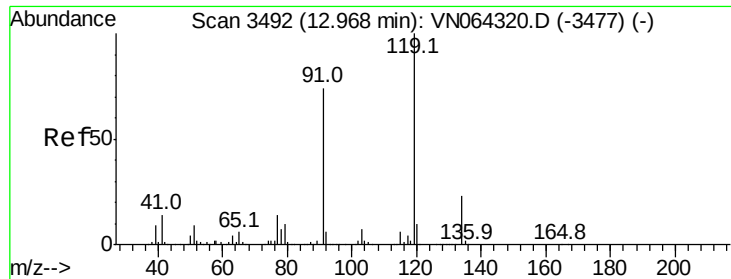
Tgt Ion: 91 Resp: 172154

Ion Ratio Lower Upper

91 100

126 31.1 15.8 47.3





#83

tert-Butylbenzene

Concen: 18.575 ug/l

RT: 12.97 min Scan# 3492

Delta R.T. 0.00 min

Lab File: VN064346.D

Acq: 28 Oct 2020 12:47

Instrument :

MSVOA_N

ClientSampleId :

VN1028WBSD01

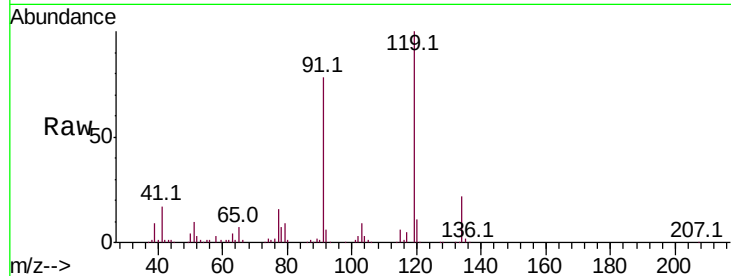
Tot Ion:119 Resp: 156271

Ion Ratio Lower Upper

119 100

91 76.8 36.4 109.1

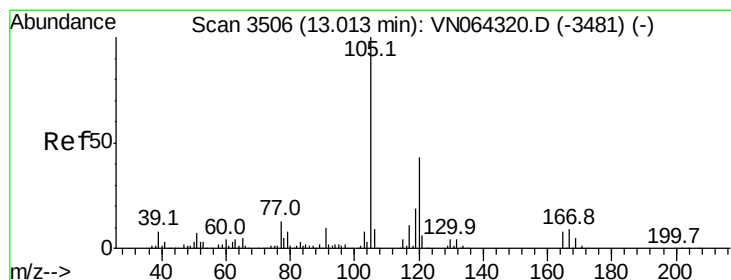
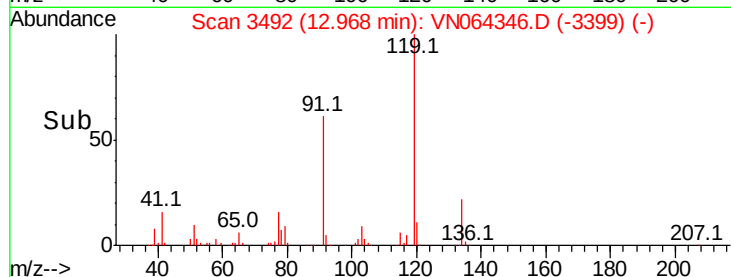
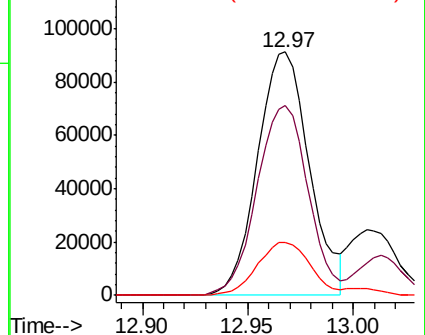
134 22.2 12.0 36.1



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VN0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 19.216 ug/l

RT: 13.01 min Scan# 3506

Delta R.T. 0.00 min

Lab File: VN064346.D

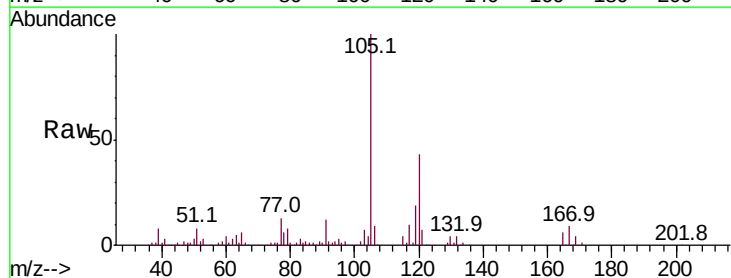
Acq: 28 Oct 2020 12:47

Tgt Ion:105 Resp: 196849

Ion Ratio Lower Upper

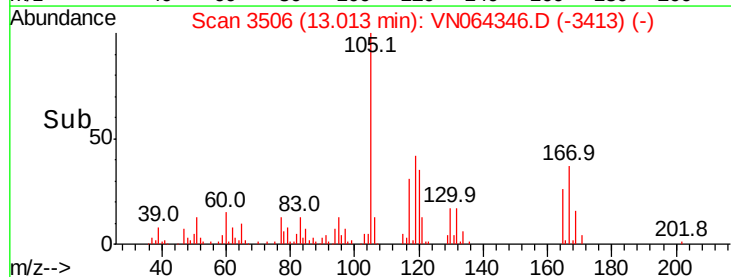
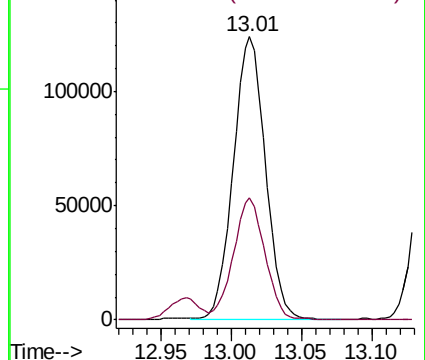
105 100

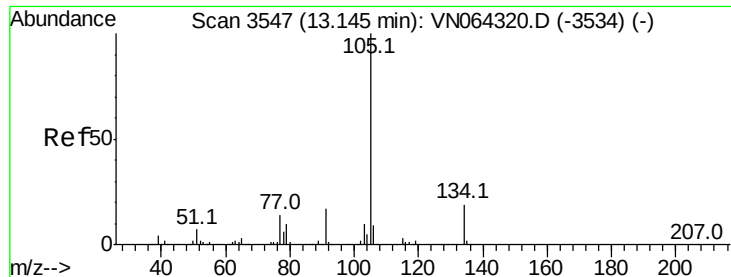
120 42.7 21.3 64.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 18.406 ug/l

RT: 13.14 min Scan# 3547

Delta R.T. 0.00 min

Lab File: VN064346.D

Acq: 28 Oct 2020 12:47

Instrument :

MSVOA_N

ClientSampled :

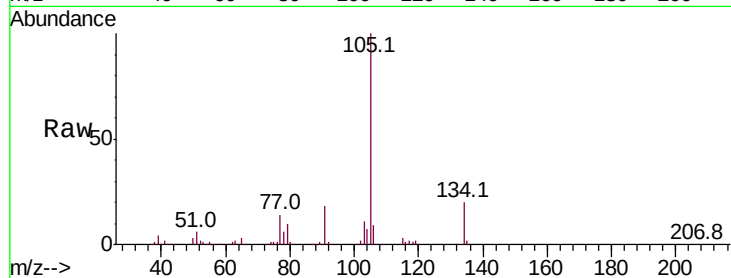
VN1028WBSD01

Tot Ion:105 Resp: 200377

Ion Ratio Lower Upper

105 100

134 20.3 9.6 28.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.14

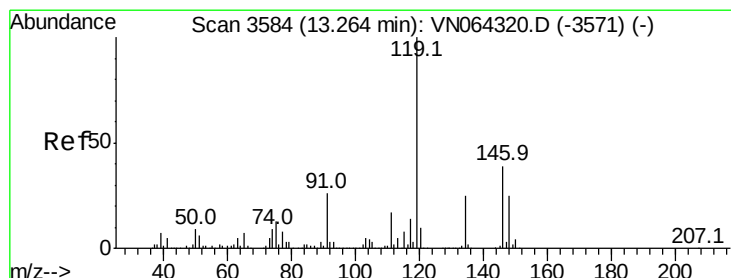
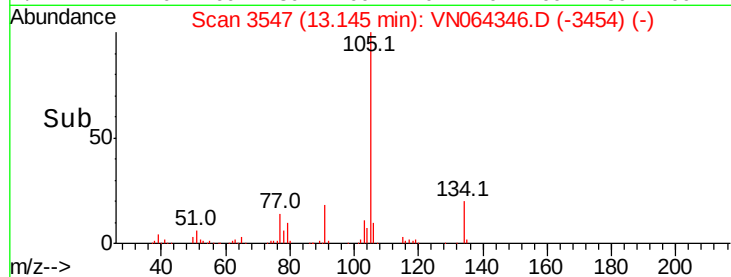
100000

50000

0

Time-->

13.10 13.15 13.20



#86

p-Isopropyltoluene

Concen: 18.777 ug/l

RT: 13.26 min Scan# 3583

Delta R.T. -0.00 min

Lab File: VN064346.D

Acq: 28 Oct 2020 12:47

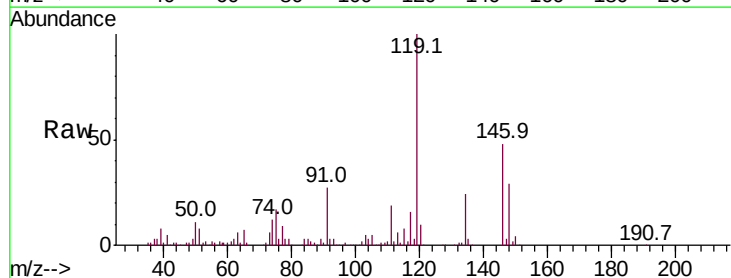
Tgt Ion:119 Resp: 184163

Ion Ratio Lower Upper

119 100

134 25.1 12.8 38.4

91 27.5 13.0 38.9



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.26

150000

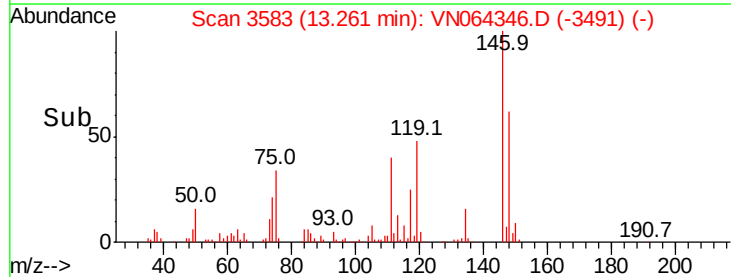
100000

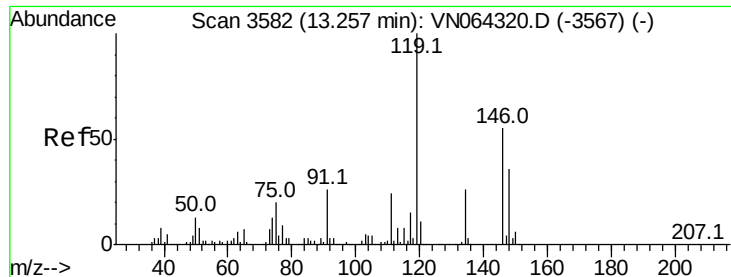
50000

0

Time-->

13.20 13.25 13.30





#87

1,3-Dichlorobenzene

Concen: 19.083 ug/l

RT: 13.26 min Scan# 3582

Delta R.T. 0.00 min

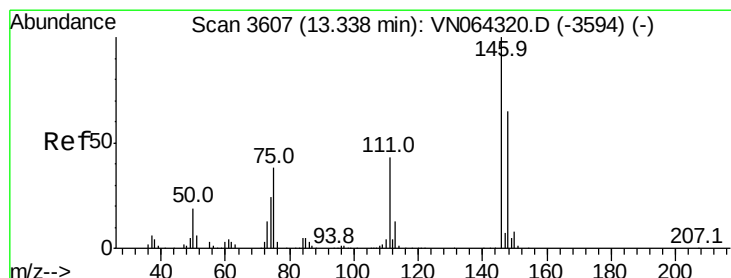
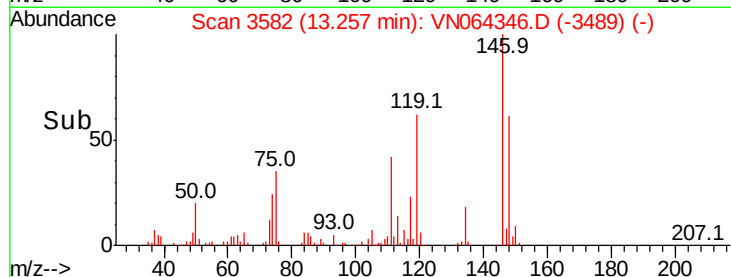
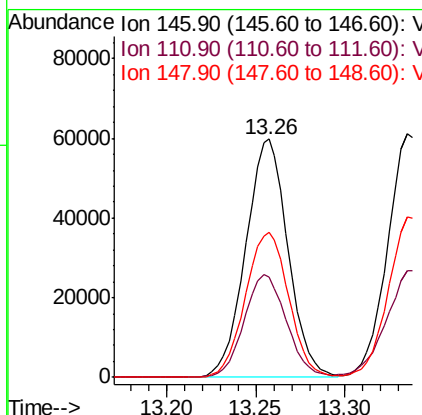
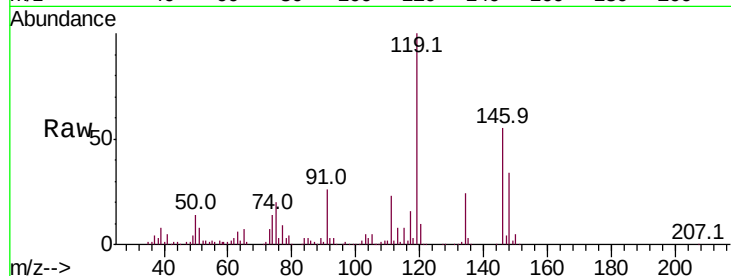
Lab File: VN064346.D

Acq: 28 Oct 2020 12:47

Instrument :
MSVOA_N
ClientSampleId :
VN1028WBSD01

Tot Ion:146 Resp: 99119

Ion	Ratio	Lower	Upper
146	100		
111	43.2	21.9	65.5
148	62.3	32.6	98.0



#88

1,4-Dichlorobenzene

Concen: 19.354 ug/l

RT: 13.33 min Scan# 3606

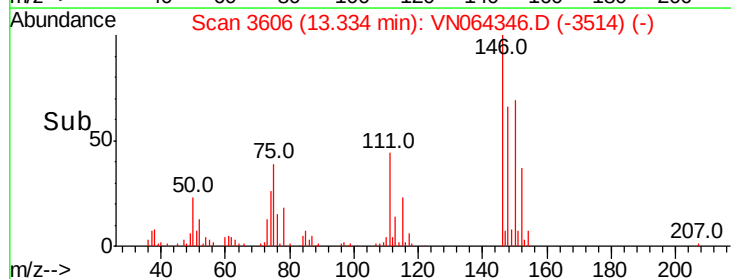
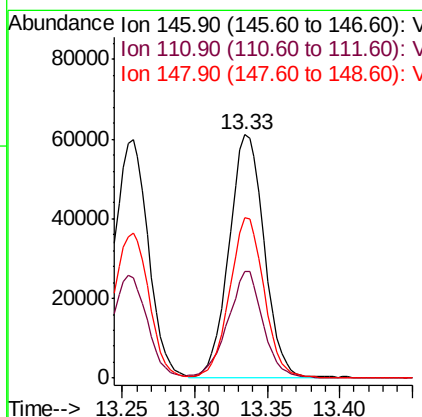
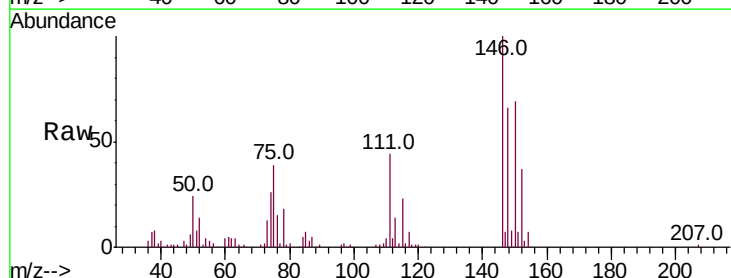
Delta R.T. -0.00 min

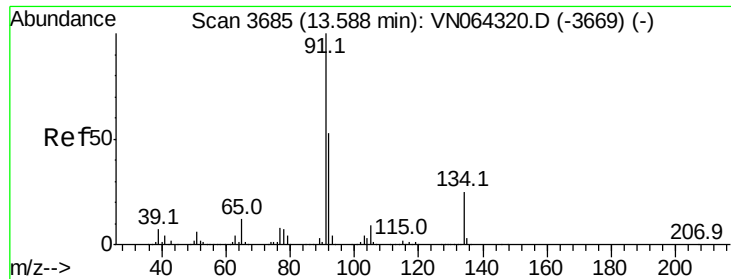
Lab File: VN064346.D

Acq: 28 Oct 2020 12:47

Tgt Ion:146 Resp: 102388

Ion	Ratio	Lower	Upper
146	100		
111	44.4	21.8	65.4
148	65.1	31.8	95.3

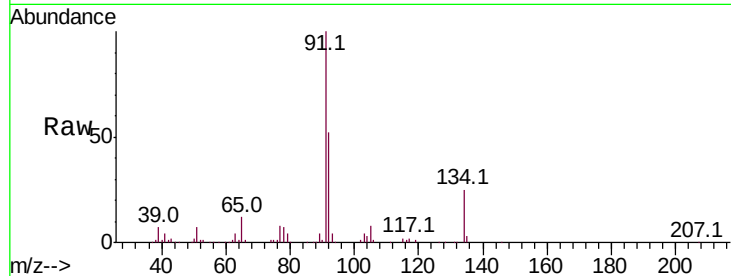




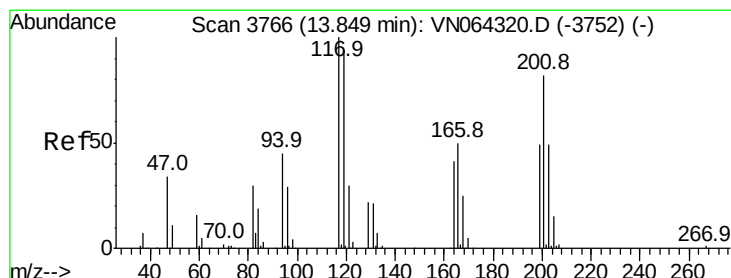
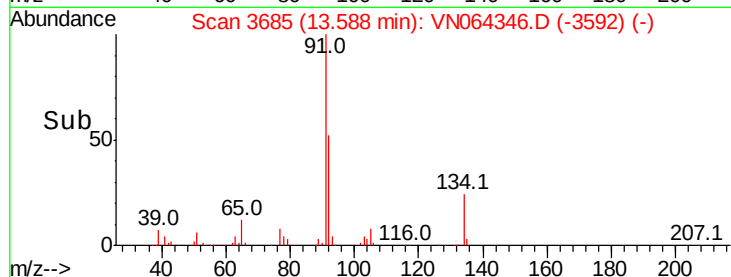
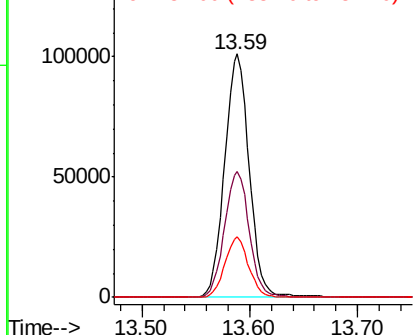
#89
n-Butylbenzene
Concen: 18.603 ug/l
RT: 13.59 min Scan# 3685
Delta R.T. 0.00 min
Lab File: VN064346.D
Acq: 28 Oct 2020 12:47

Instrument :
MSVOA_N
ClientSampled :
VN1028WBSD01

Tot Ion: 91 Resp: 160732
Ion Ratio Lower Upper
91 100
92 52.0 26.2 78.5
134 23.7 12.4 37.4

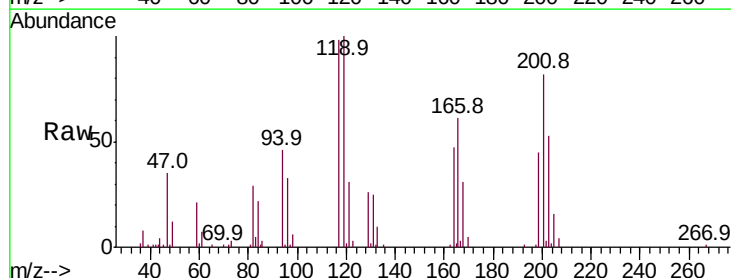


Abundance Ion 91.00 (90.70 to 91.70): VN0
Ion 92.00 (91.70 to 92.70): VN0
Ion 134.00 (133.70 to 134.70): V

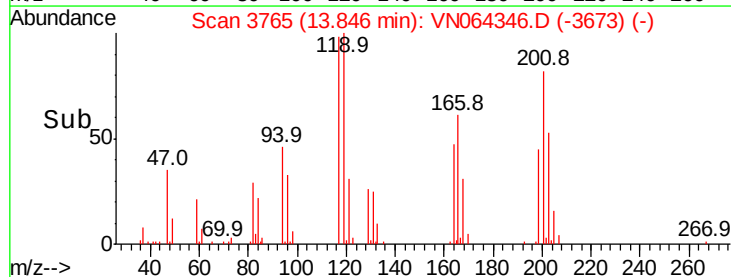
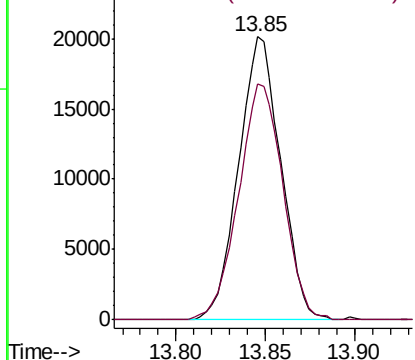


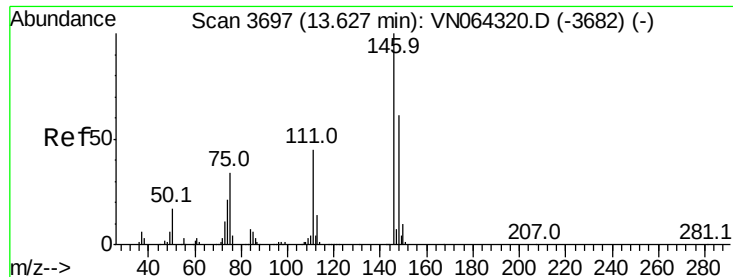
#90
Hexachloroethane
Concen: 18.047 ug/l
RT: 13.85 min Scan# 3765
Delta R.T. -0.00 min
Lab File: VN064346.D
Acq: 28 Oct 2020 12:47

Tgt Ion: 117 Resp: 33242
Ion Ratio Lower Upper
117 100
201 87.7 39.8 119.3



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 200.70 (200.40 to 201.40): V

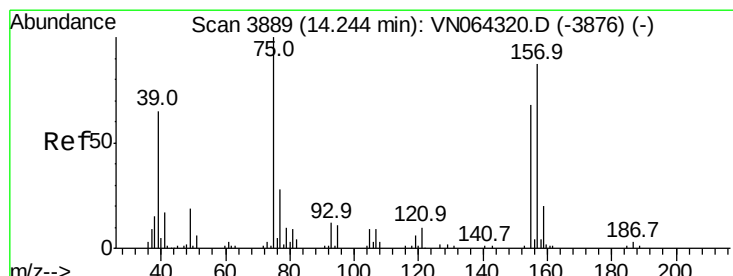
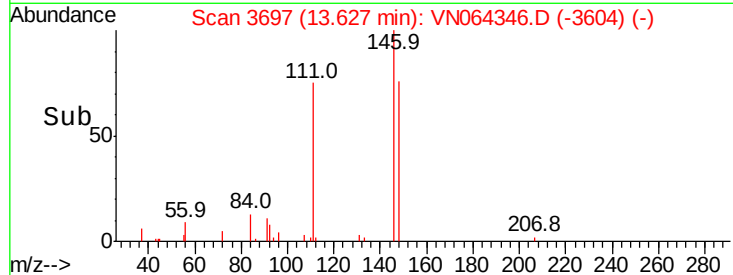
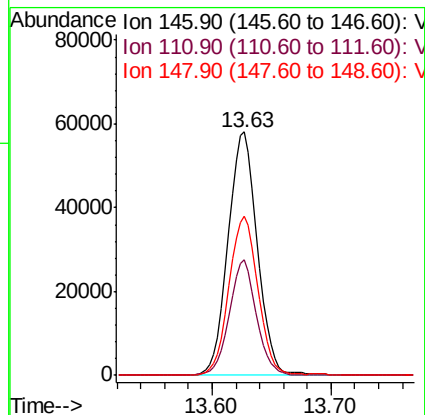
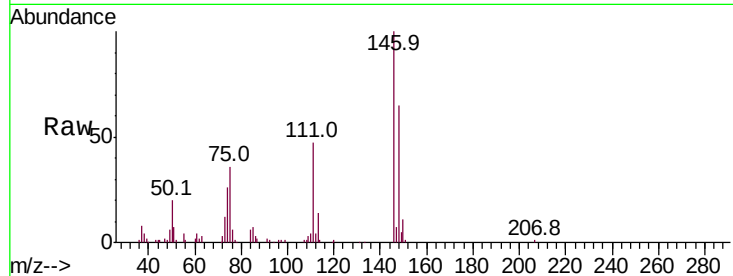




#91
 1,2-Dichlorobenzene
 Concen: 19.173 ug/l
 RT: 13.63 min Scan# 3697
 Delta R.T. 0.00 min
 Lab File: VN064346.D
 Acq: 28 Oct 2020 12:47

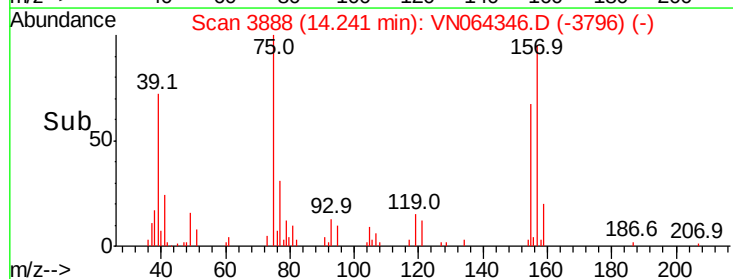
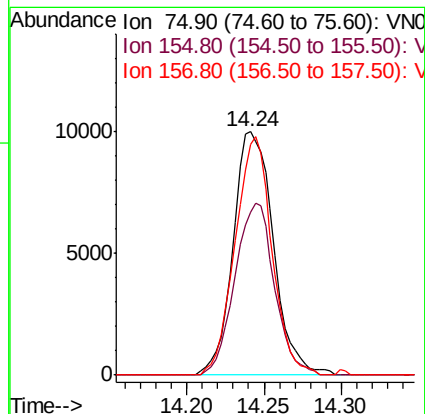
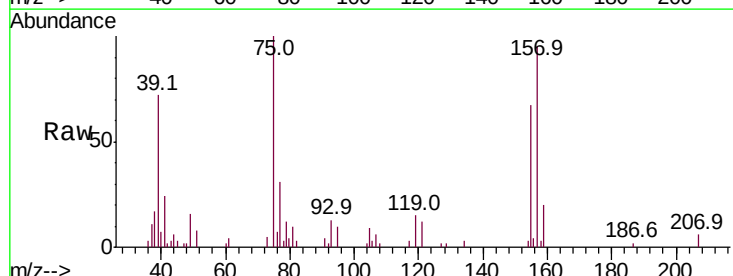
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1028WBSD01

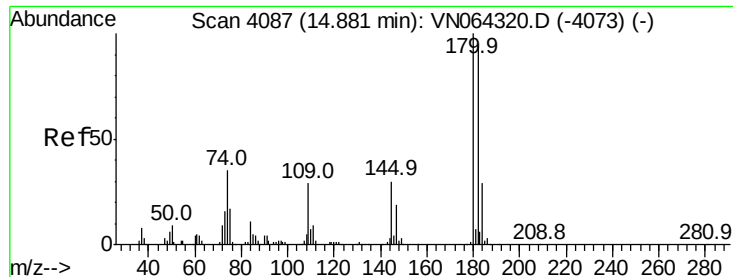
Tot Ion	Ratio	Lower	Upper
146	100		
111	43.8	23.0	69.0
148	64.6	32.1	96.3



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.656 ug/l
 RT: 14.24 min Scan# 3888
 Delta R.T. -0.00 min
 Lab File: VN064346.D
 Acq: 28 Oct 2020 12:47

Tgt Ion	Ratio	Lower	Upper
75	100		
155	69.4	35.1	105.5
157	89.8	43.2	129.6

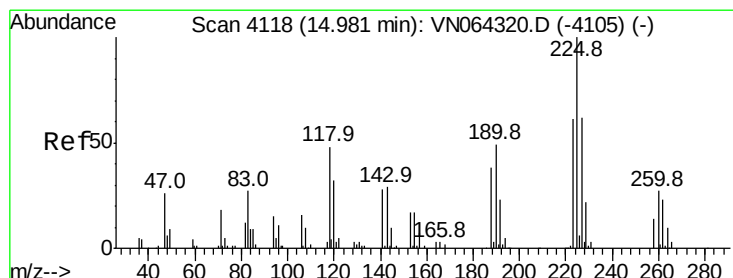
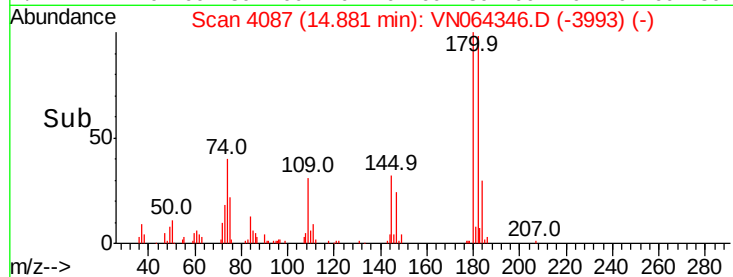
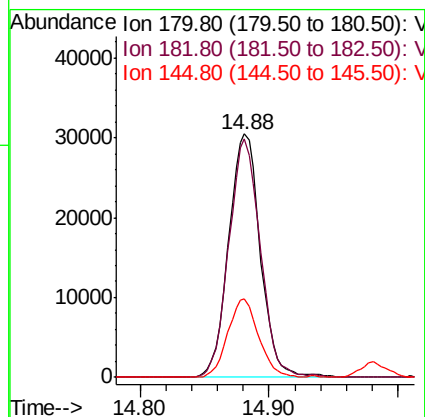
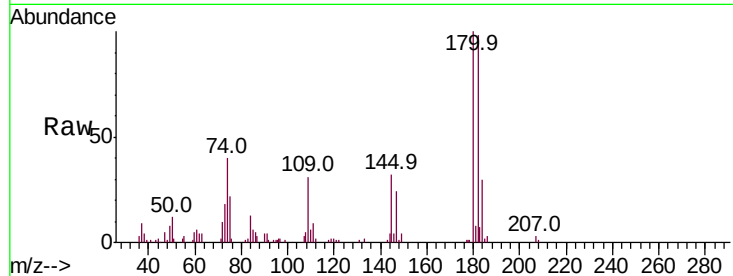




#93
 1,2,4-Trichlorobenzene
 Concen: 18.804 ug/l
 RT: 14.88 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN064346.D
 Acq: 28 Oct 2020 12:47

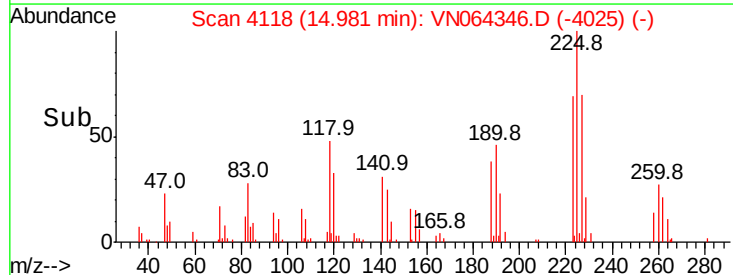
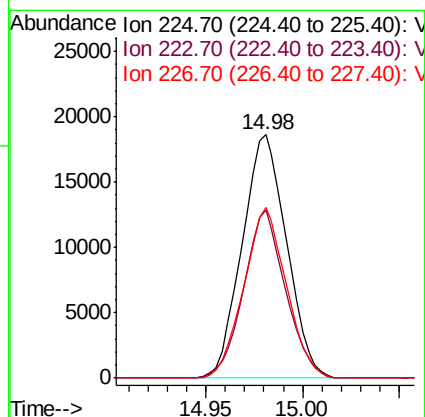
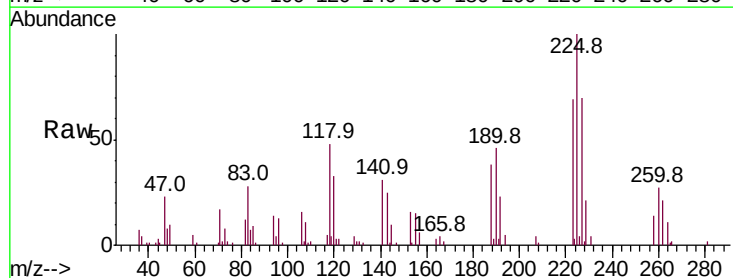
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1028WBSD01

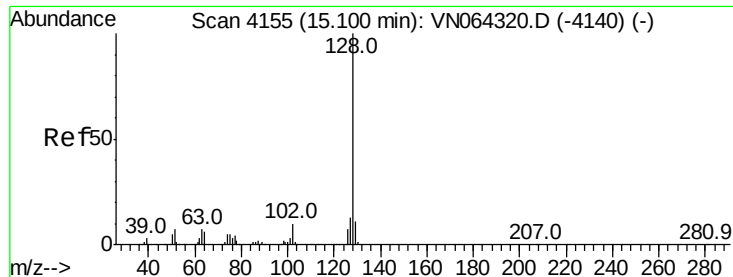
Tot Ion:180 Resp: 51912
 Ion Ratio Lower Upper
 180 100
 182 96.9 46.6 139.7
 145 31.3 15.3 45.9



#94
 Hexachlorobutadiene
 Concen: 18.755 ug/l
 RT: 14.98 min Scan# 4118
 Delta R.T. 0.00 min
 Lab File: VN064346.D
 Acq: 28 Oct 2020 12:47

Tgt Ion:225 Resp: 29720
 Ion Ratio Lower Upper
 225 100
 223 64.9 31.3 93.8
 227 67.0 32.3 96.9

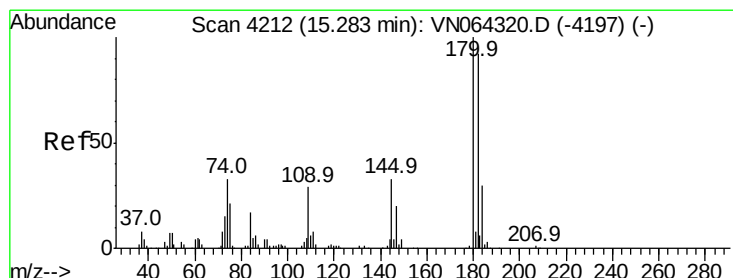
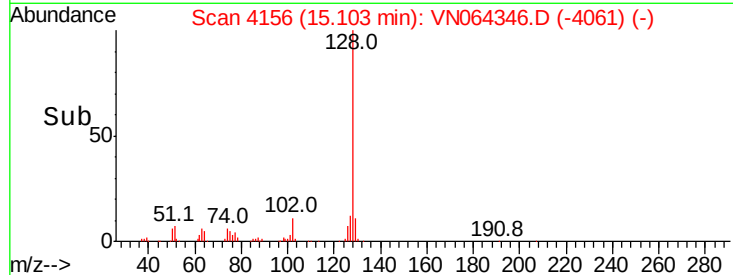
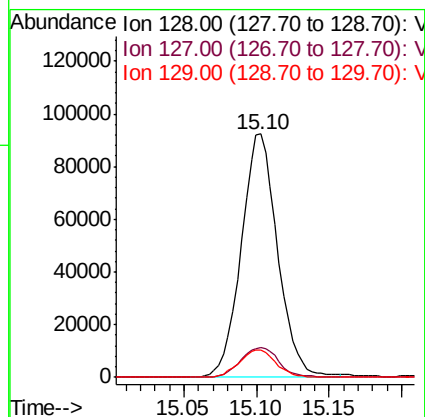
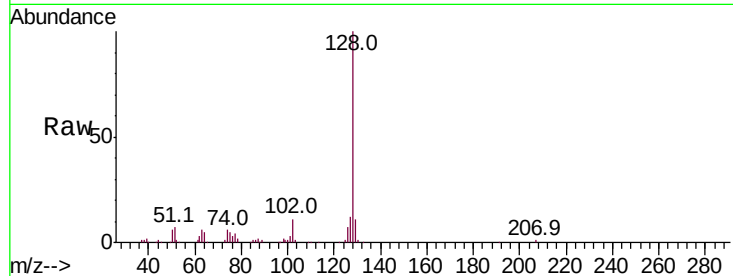




#95
Naphthalene
Concen: 19.166 ug/l
RT: 15.10 min Scan# 4156
Delta R.T. 0.00 min
Lab File: VN064346.D
Acq: 28 Oct 2020 12:47

Instrument :
MSVOA_N
ClientSampleId :
VN1028WBSD01

Tot Ion:128 Resp: 161109
Ion Ratio Lower Upper
128 100
127 12.9 10.4 15.6
129 11.3 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 19.499 ug/l
RT: 15.28 min Scan# 4212
Delta R.T. 0.00 min
Lab File: VN064346.D
Acq: 28 Oct 2020 12:47

Tgt Ion:180 Resp: 51800
Ion Ratio Lower Upper
180 100
182 92.6 46.1 138.3
145 32.1 16.2 48.5

