

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102220\
 Data File : VN064261.D
 Acq On : 22 Oct 2020 19:41
 Operator : JC/MD
 Sample : VN1022WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1022WBSD01

Quant Time: Oct 23 01:06:49 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N102020W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Oct 22 16:07:21 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.15	128	47469	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.55	114	264121	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.38	117	238676	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	7.99	65	130037	33.46	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	111.53%#
60) 4-Bromofluorobenzene	12.37	95	124031	29.00	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	96.67%
63) Toluene-d8	10.06	98	320042	29.62	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	98.73%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.83	85	66548	20.434	ug/l 98
3) Chloromethane	2.04	50	67831	20.324	ug/l 99
4) Vinyl Chloride	2.16	62	67423	20.534	ug/l 100
5) Bromomethane	2.54	94	42795	21.785	ug/l 94
6) Chloroethane	2.68	64	40861	21.366	ug/l 100
7) Trichlorofluoromethane	2.99	101	112034	21.255	ug/l 97
8) Diethyl Ether	3.37	74	35116	19.622	ug/l 94
9) 1,1,2-Trichlorotrifluoroet	3.72	101	57249	20.579	ug/l 99
10) 1,1-Dichloroethene	3.70	96	54545	20.138	ug/l 98
11) Methyl Iodide	3.92	142	74754	19.147	ug/l 93
12) Methyl Acetate	4.28	43	68218	23.895	ug/l 100
13) Acrolein	3.57	56	41580	133.202	ug/l # 1
14) Acrylonitrile	4.93	53	121003	105.179	ug/l # 63
15) Acetone	3.77	58	33467	107.744	ug/l 92
16) Carbon Disulfide	4.02	76	145997	18.848	ug/l 100
17) Allyl chloride	4.28	41	104377	20.724	ug/l 91
18) Methylene Chloride	4.50	84	63741	20.575	ug/l 95
19) trans-1,2-Dichloroethene	4.99	96	56320	19.275	ug/l 94
20) Diisopropyl ether	5.90	45	192669	20.700	ug/l # 98
21) 1,1-Dichloroethane	5.80	63	114244	20.105	ug/l 98
23) tert-Butyl Alcohol	4.73	59	58605	110.138	ug/l # 100
24) Methyl tert-Butyl Ether	4.99	73	184558	20.620	ug/l # 77
25) Chloroform	7.33	83	122022	20.668	ug/l 96
26) Cyclohexane	7.61	56	86437	19.185	ug/l # 85
29) 1,1-Dichloropropene	7.75	75	88107	20.086	ug/l 98
30) 2-Butanone	6.78	43	193474	106.962	ug/l 98
31) 2,2-Dichloropropane	6.78	77	107944	19.384	ug/l # 72
32) 1,1,1-Trichloroethane	7.53	97	117582	21.039	ug/l 99
33) Carbon Tetrachloride	7.73	117	103987	20.409	ug/l 93
34) Benzene	8.00	78	245974	20.138	ug/l 98
35) Methacrylonitrile	7.13	41	40971	20.650	ug/l 92
36) 1,2-Dichloroethane	8.09	62	108705	22.004	ug/l # 89
37) Trichloroethene	8.80	130	68464	20.358	ug/l 98
38) Methylcyclohexane	9.05	83	79756	19.012	ug/l 98
39) 1,2-Dichloropropane	9.08	63	67912	20.834	ug/l 93
40) Dibromomethane	9.17	93	46534	20.518	ug/l 99
41) Bromodichloromethane	9.37	83	101337	20.646	ug/l 96

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Instrument :
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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Oct 22 16:07:21 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Vinyl Acetate	5.85	43	882444	102.763	ug/l	99
43) Ethyl Acetate	6.88	43	78025	19.751	ug/l	97
44) Isopropyl Acetate	8.13	43	155367	20.486	ug/l #	88
45) 1,4-Dioxane	9.16	88	19100	430.594	ug/l	95
46) Methyl methacrylate	9.16	41	78399	21.786	ug/l	96
47) n-amyl Acetate	12.04	43	128536	19.104	ug/l	99
48) t-1,3-Dichloropropene	10.35	75	109280	19.741	ug/l	95
49) cis-1,3-Dichloropropene	9.81	75	115266	20.153	ug/l	97
50) 1,1,2-Trichloroethane	10.53	97	61797	20.339	ug/l	95
51) Ethyl methacrylate	10.40	69	95701	19.918	ug/l	97
52) 1,3-Dichloropropane	10.68	76	109444	20.893	ug/l	99
53) Dibromochloromethane	10.87	129	78213	20.452	ug/l	98
54) 1,2-Dibromoethane	10.98	107	64012	19.820	ug/l	91
55) 2-Chloroethyl vinyl ether	9.66	63	222047	94.033	ug/l	99
56) Bromoform	12.10	173	52567	19.738	ug/l #	97
58) 4-Methyl-2-Pentanone	9.95	43	429261	106.134	ug/l	98
59) 2-Hexanone	10.72	43	313762	104.496	ug/l	98
61) Tetrachloroethene	10.60	164	67037	20.835	ug/l	98
62) Toluene	10.13	91	269562	19.756	ug/l	100
64) Chlorobenzene	11.41	112	171133	20.140	ug/l	97
65) 1,1,1,2-Tetrachloroethane	11.48	131	68491	20.572	ug/l	97
66) Ethyl Benzene	11.48	91	311235	19.840	ug/l	98
67) m/p-Xylenes	11.59	106	231090	39.609	ug/l	99
68) o-Xylene	11.92	106	109705	19.377	ug/l	99
69) Styrene	11.94	104	182292	19.032	ug/l	98
70) Isopropylbenzene	12.22	105	302612	20.238	ug/l	98
71) 1,1,2,2-Tetrachloroethane	12.48	83	80411	19.625	ug/l	93
72) 1,2,3-Trichloropropane	12.53	75	123006	28.768	ug/l	51
73) Bromobenzene	12.50	156	72553	20.122	ug/l	96
74) n-propylbenzene	12.57	91	335074	19.635	ug/l	99
75) 2-Chlorotoluene	12.65	91	213595	20.219	ug/l	100
76) 1,3,5-Trimethylbenzene	12.71	105	250420	19.682	ug/l	99
77) t-1,4-Dichloro-2-butene	12.27	75	29537	17.668	ug/l	95
78) 4-Chlorotoluene	12.75	91	222017	20.091	ug/l	100
79) tert-butylbenzene	12.97	119	205302	19.737	ug/l	98
80) 1,2,4-Trimethylbenzene	13.01	105	251009	19.434	ug/l	98
81) sec-Butylbenzene	13.14	105	266707	19.707	ug/l	99
82) p-Isopropyltoluene	13.26	119	241183	19.254	ug/l	99
83) 1,3-Dichlorobenzene	13.26	146	123465	19.103	ug/l	97
84) 1,4-Dichlorobenzene	13.33	146	125349	19.372	ug/l	99
85) n-Butylbenzene	13.59	91	209400	18.832	ug/l	98
86) Hexachloroethane	13.85	117	40963	18.996	ug/l	98
87) 1,2-Dichlorobenzene	13.63	146	122051	19.364	ug/l	100
88) 1,2-Dibromo-3-Chloropropan	14.24	75	20603	19.853	ug/l	92
89) 1,2,4-Trichlorobenzene	14.88	180	68064	17.983	ug/l	94
90) Hexachlorobutadiene	14.98	225	35985	18.757	ug/l	98
91) Naphthalene	15.10	128	213043	18.569	ug/l	100
92) 1,2,3-Trichlorobenzene	15.28	180	69643	19.240	ug/l	96

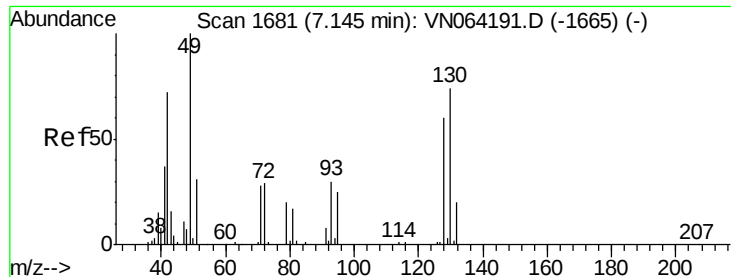
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102220\
Data File : VN064261.D
Acq On : 22 Oct 2020 19:41
Operator : JC/MD
Sample : VN1022WBSD01
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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu Oct 22 16:07:21 2020
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

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



#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.15 min Scan# 1683

Delta R.T. 0.01 min

Lab File: VN064261.D

Acq: 22 Oct 2020 19:41

Instrument :

MSVOA_N

ClientSampleId :

VN1022WBSD01

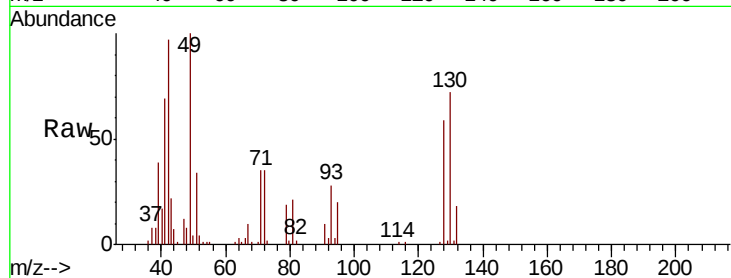
Tot Ion:128 Resp: 47469

Ion Ratio Lower Upper

128 100

49 172.7 0.0 433.3

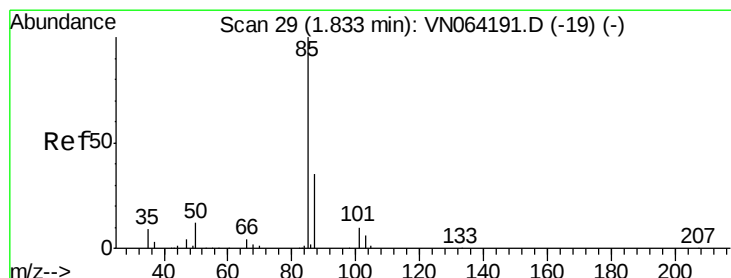
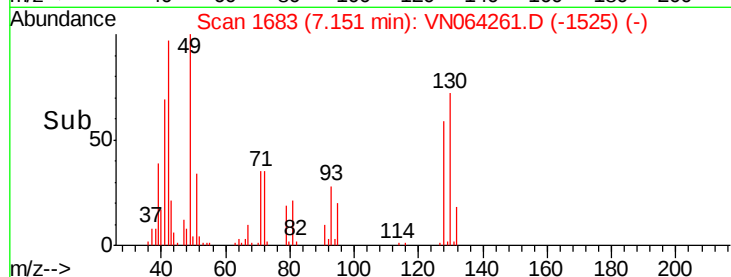
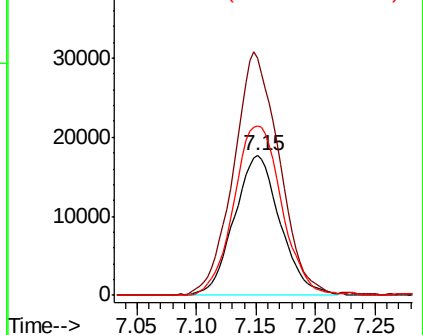
130 125.8 0.0 322.5



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VN0

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 20.434 ug/l

RT: 1.83 min Scan# 29

Delta R.T. 0.00 min

Lab File: VN064261.D

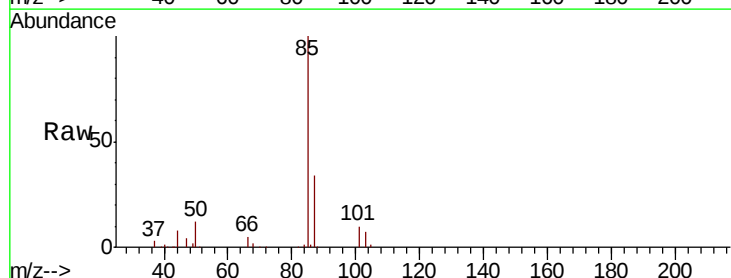
Acq: 22 Oct 2020 19:41

Tgt Ion: 85 Resp: 66548

Ion Ratio Lower Upper

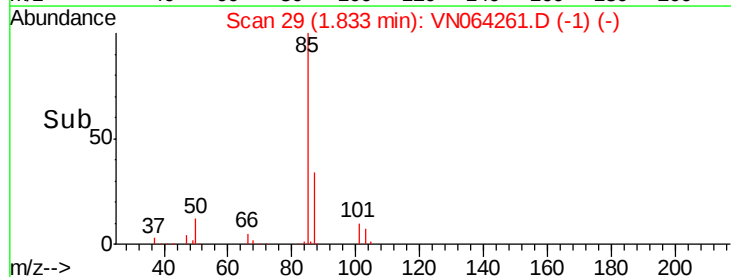
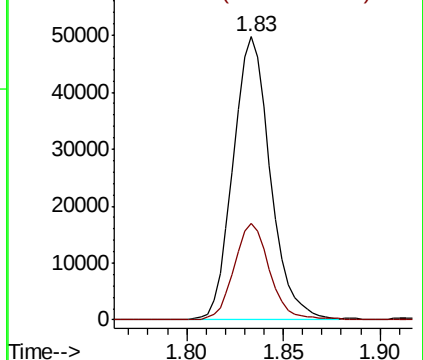
85 100

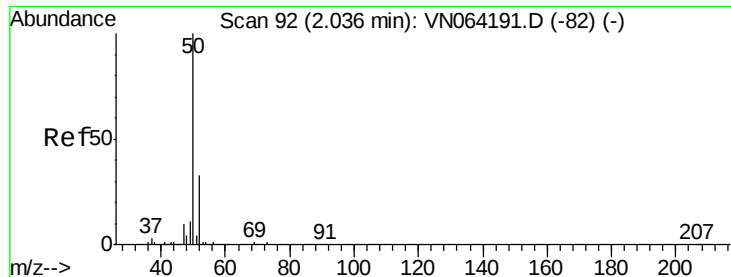
87 34.1 17.8 53.3



Abundance Ion 85.00 (84.70 to 85.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

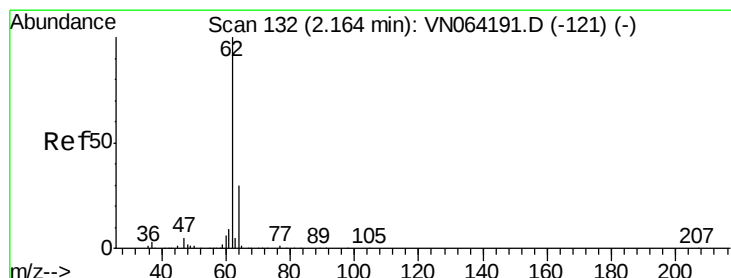
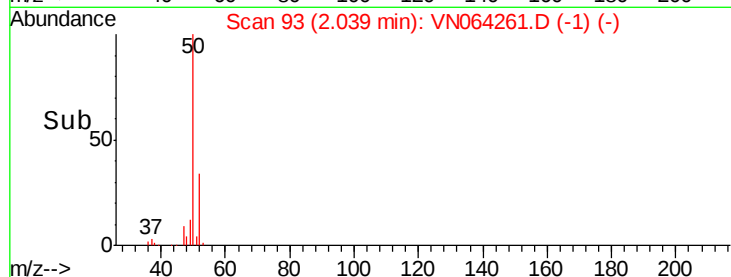
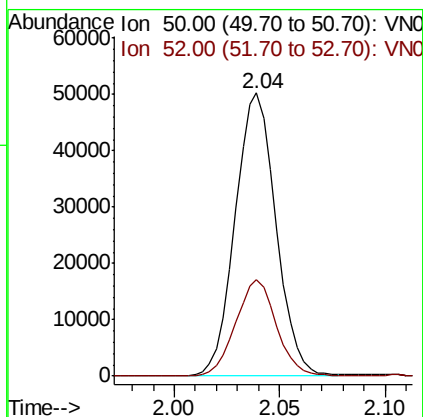
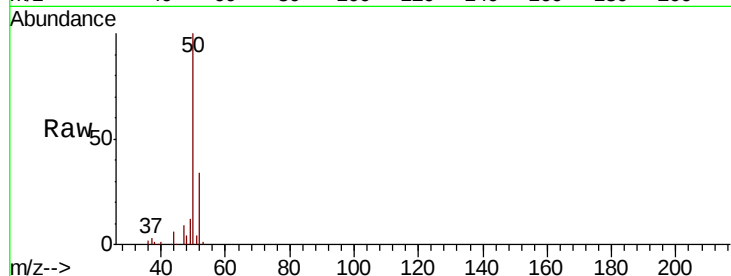




#3
Chloromethane
Concen: 20.324 ug/l
RT: 2.04 min Scan# 93
Delta R.T. 0.00 min
Lab File: VN064261.D
Acq: 22 Oct 2020 19:41

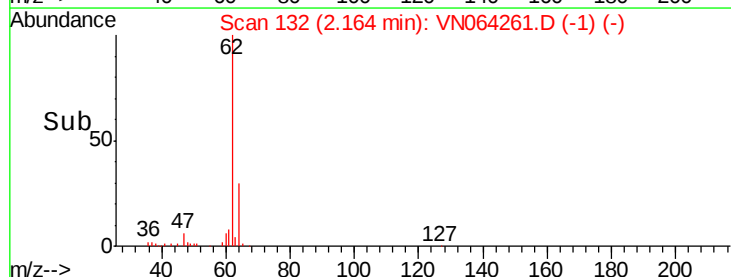
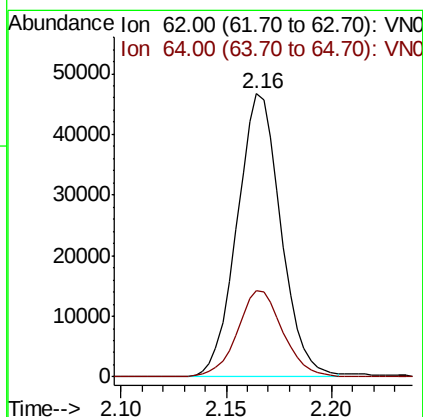
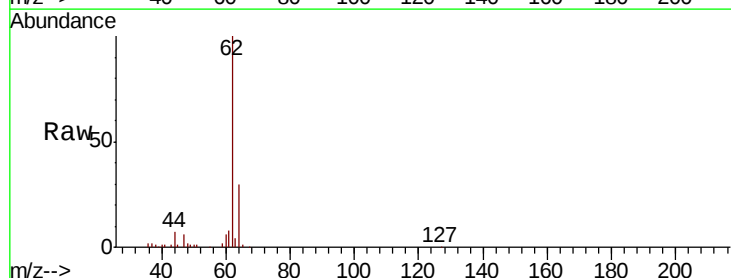
Instrument :
MSVOA_N
ClientSampleId :
VN1022WBSD01

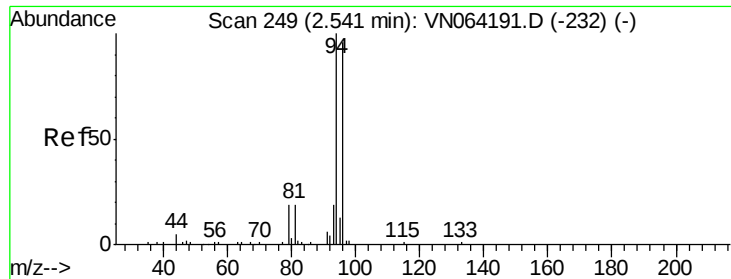
Tot Ion: 50 Resp: 67831
Ion Ratio Lower Upper
50 100
52 34.1 26.6 40.0



#4
Vinyl Chloride
Concen: 20.534 ug/l
RT: 2.16 min Scan# 132
Delta R.T. 0.00 min
Lab File: VN064261.D
Acq: 22 Oct 2020 19:41

Tgt Ion: 62 Resp: 67423
Ion Ratio Lower Upper
62 100
64 30.5 24.4 36.6





#5

Bromomethane

Concen: 21.785 ug/l

RT: 2.54 min Scan# 248

Delta R.T. -0.00 min

Lab File: VN064261.D

Acq: 22 Oct 2020 19:41

Instrument :

MSVOA_N

ClientSampleId :

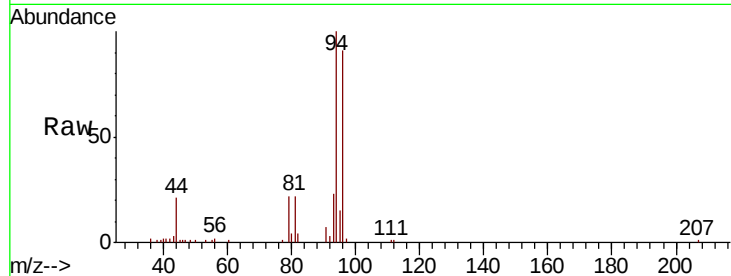
VN1022WBSD01

Tot Ion: 94 Resp: 42795

Ion Ratio Lower Upper

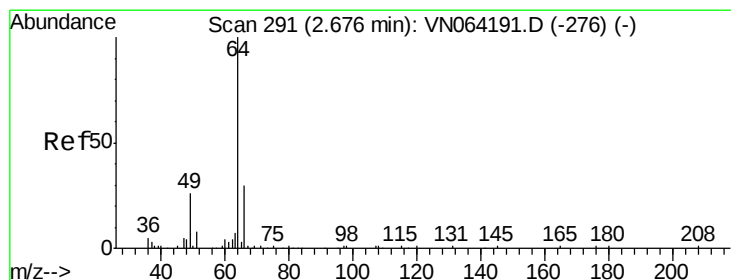
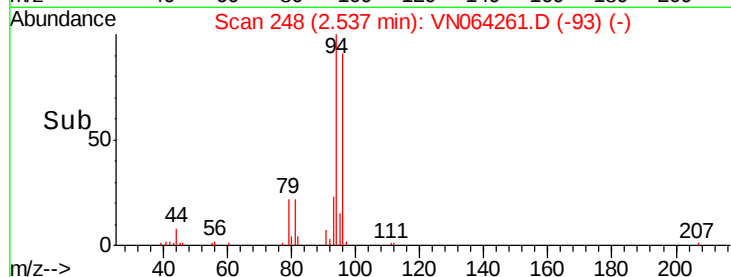
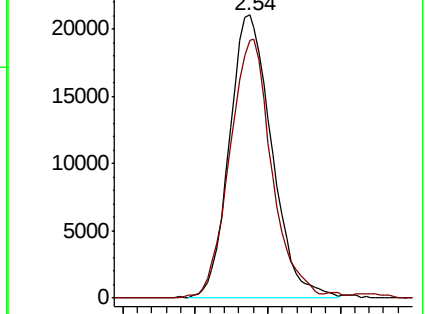
94 100

96 90.3 76.6 115.0



Abundance Ion 94.00 (93.70 to 94.70): VN064191.D (-232) (-)

Ion 96.00 (95.70 to 96.70): VN064191.D (-232) (-)



#6

Chloroethane

Concen: 21.366 ug/l

RT: 2.68 min Scan# 291

Delta R.T. 0.00 min

Lab File: VN064261.D

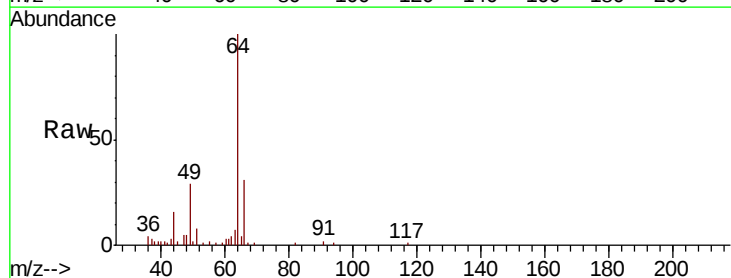
Acq: 22 Oct 2020 19:41

Tgt Ion: 64 Resp: 40861

Ion Ratio Lower Upper

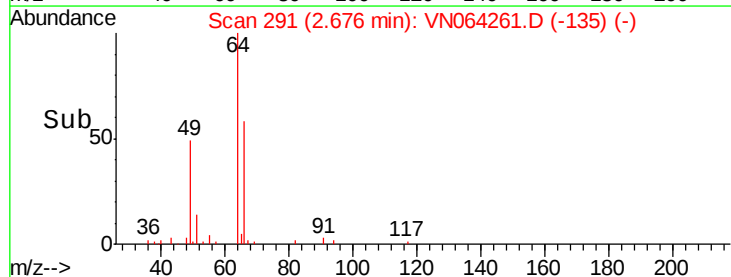
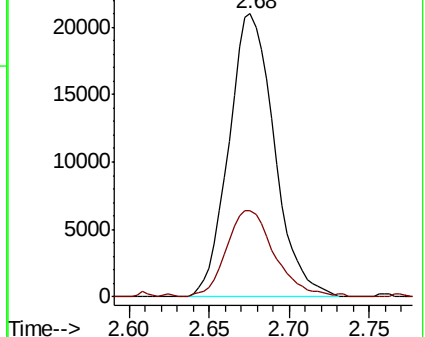
64 100

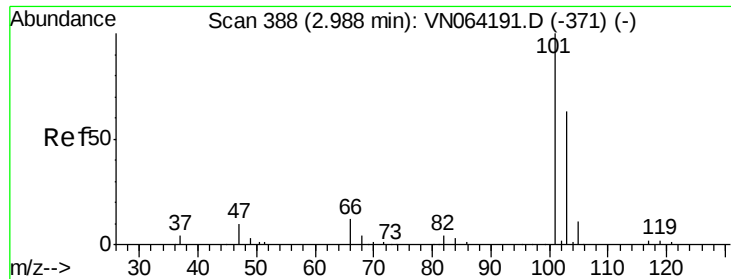
66 30.6 24.3 36.5



Abundance Ion 64.00 (63.70 to 64.70): VN064191.D (-276) (-)

Ion 66.00 (65.70 to 66.70): VN064191.D (-276) (-)



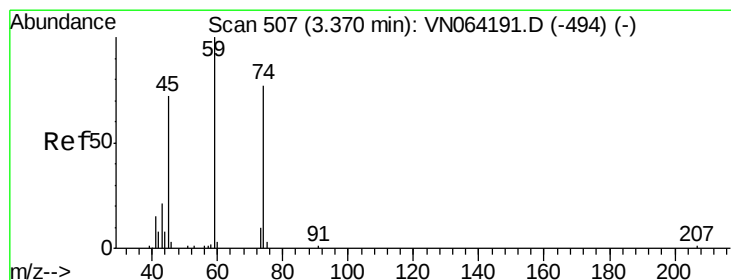
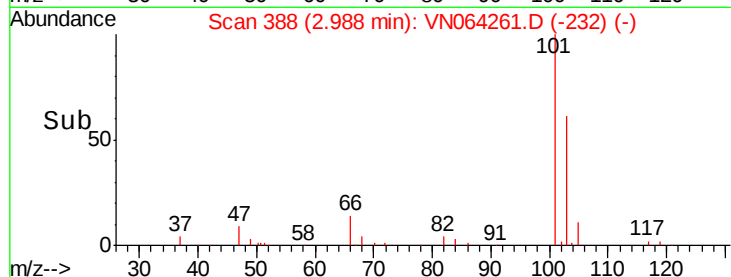
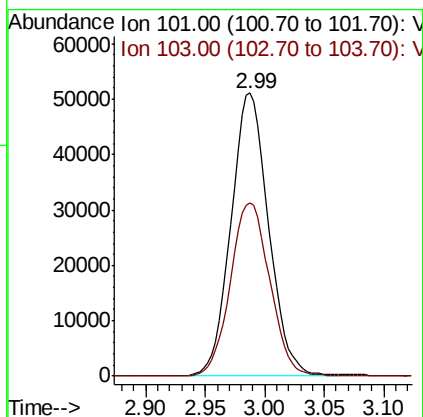
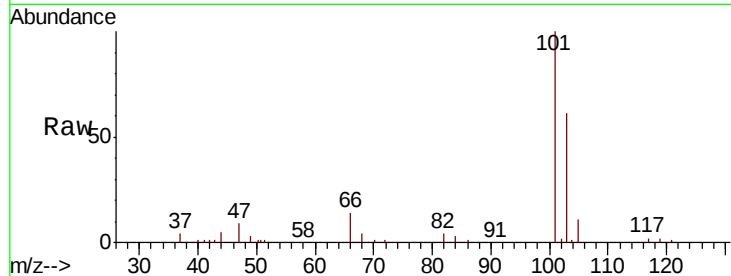


#7

Trichlorofluoromethane
 Concen: 21.255 ug/l
 RT: 2.99 min Scan# 388
 Delta R.T. 0.00 min
 Lab File: VN064261.D
 Acq: 22 Oct 2020 19:41

Instrument :
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 VN1022WBSD01

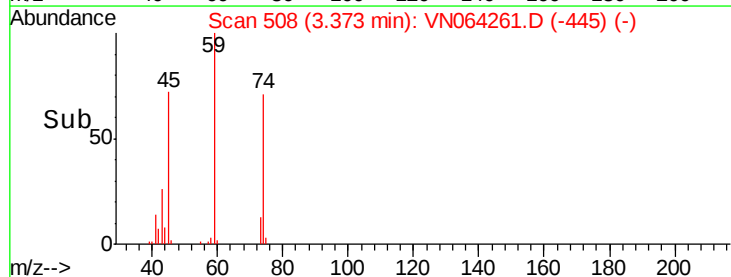
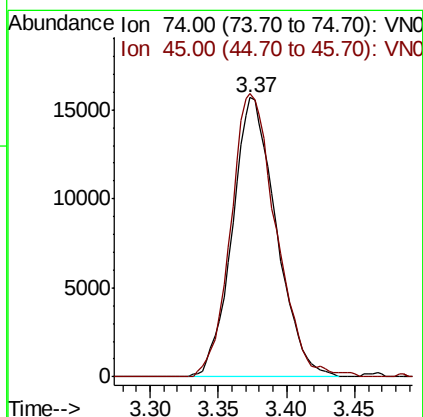
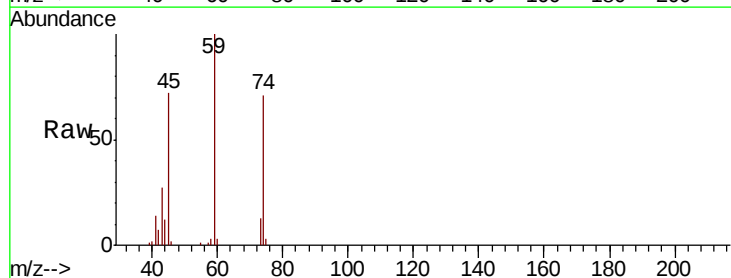
Tot Ion:101 Resp: 112034
 Ion Ratio Lower Upper
 101 100
 103 61.2 50.7 76.1

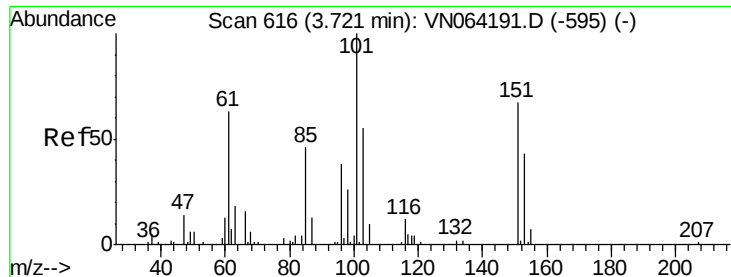


#8

Diethyl Ether
 Concen: 19.622 ug/l
 RT: 3.37 min Scan# 508
 Delta R.T. 0.00 min
 Lab File: VN064261.D
 Acq: 22 Oct 2020 19:41

Tgt Ion: 74 Resp: 35116
 Ion Ratio Lower Upper
 74 100
 45 103.1 19.5 175.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.579 ug/l

RT: 3.72 min Scan# 615

Delta R.T. -0.00 min

Lab File: VN064261.D

Acq: 22 Oct 2020 19:41

Instrument :

MSVOA_N

ClientSampled :

VN1022WBSD01

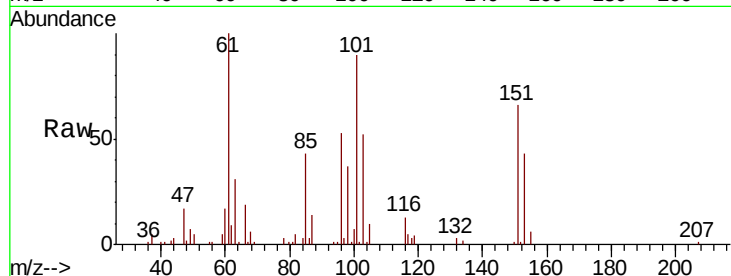
Tot Ion:101 Resp: 57249

Ion Ratio Lower Upper

101 100

85 47.7 0.0 94.0

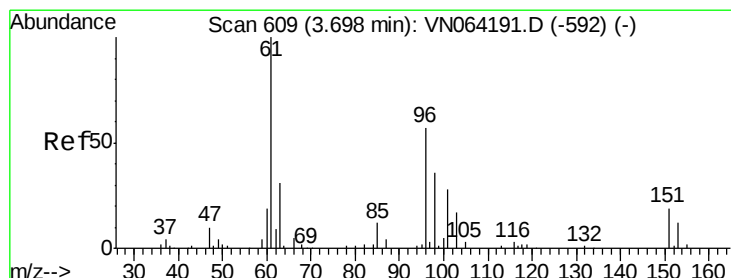
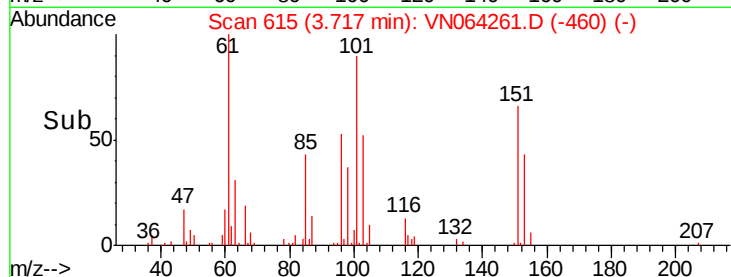
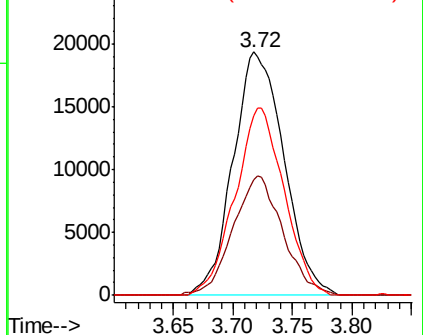
151 74.2 0.0 146.6



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VN

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 20.138 ug/l

RT: 3.70 min Scan# 610

Delta R.T. 0.00 min

Lab File: VN064261.D

Acq: 22 Oct 2020 19:41

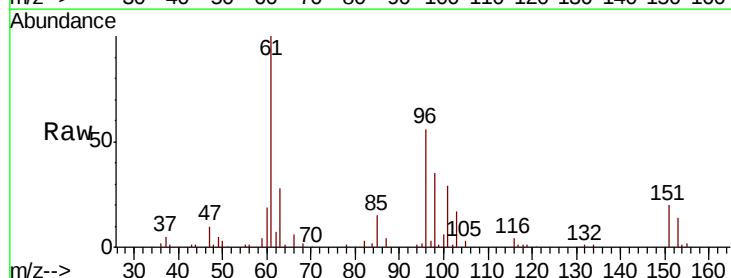
Tgt Ion: 96 Resp: 54545

Ion Ratio Lower Upper

96 100

61 178.4 141.0 211.4

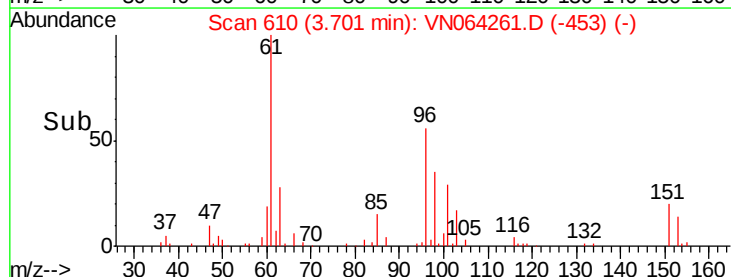
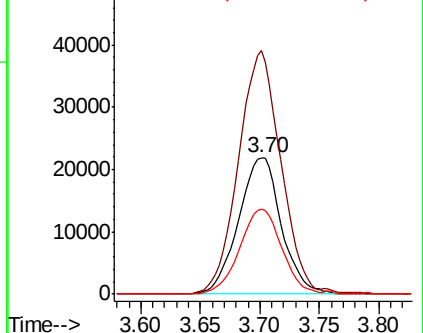
98 62.3 51.4 77.2

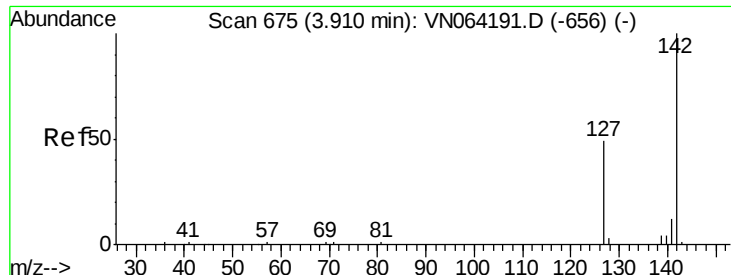


Abundance Ion 96.00 (95.70 to 96.70): VN

Ion 61.00 (60.70 to 61.70): VN

Ion 98.00 (97.70 to 98.70): VN

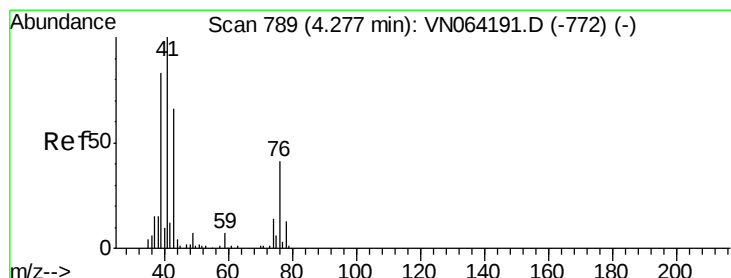
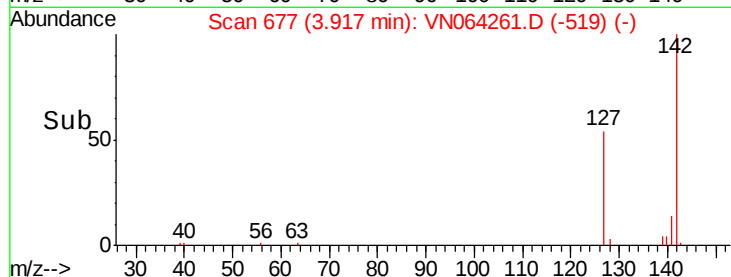
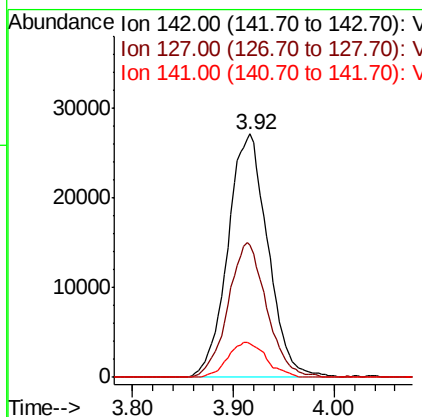
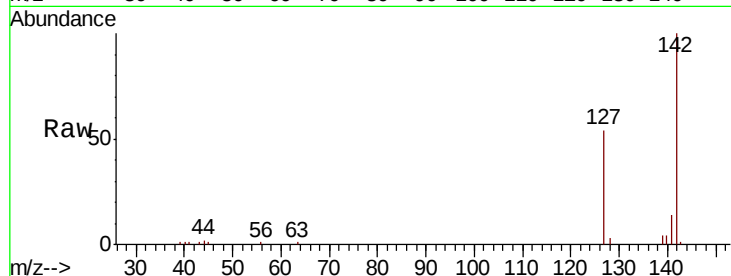




#11
Methyl Iodide
Concen: 19.147 ug/l
RT: 3.92 min Scan# 677
Delta R.T. 0.01 min
Lab File: VN064261.D
Acq: 22 Oct 2020 19:41

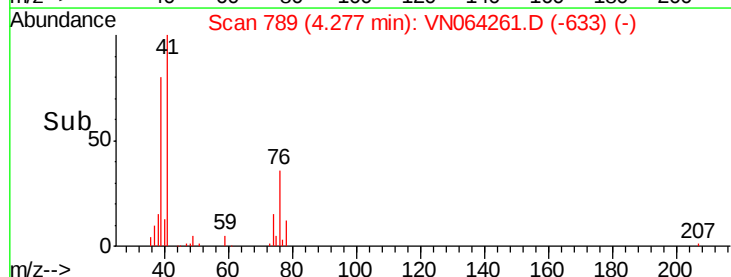
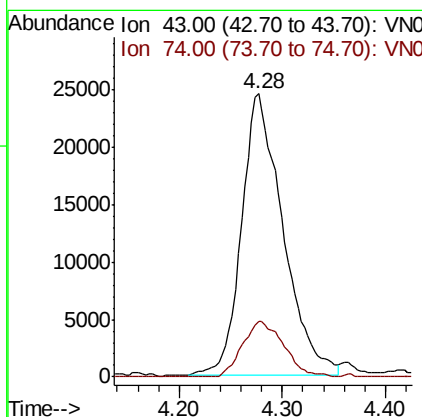
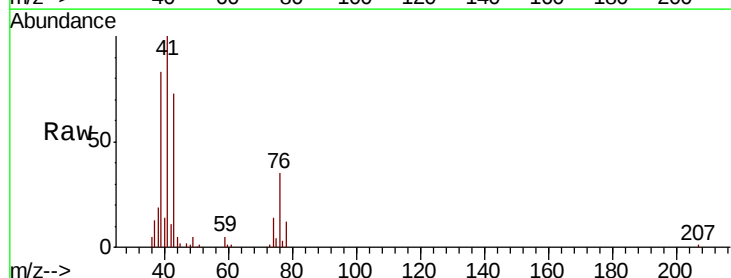
Instrument :
MSVOA_N
ClientSampled :
VN1022WBSD01

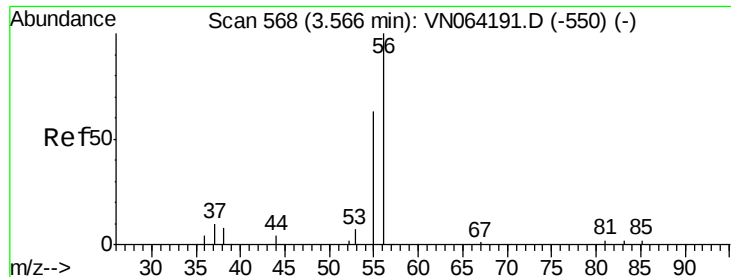
Tot Ion:142 Resp: 74754
Ion Ratio Lower Upper
142 100
127 54.3 24.5 73.5
141 13.6 6.0 18.1



#12
Methyl Acetate
Concen: 23.895 ug/l
RT: 4.28 min Scan# 789
Delta R.T. 0.00 min
Lab File: VN064261.D
Acq: 22 Oct 2020 19:41

Tgt Ion: 43 Resp: 68218
Ion Ratio Lower Upper
43 100
74 20.3 16.2 24.2





#13

Acrolein

Concen: 133.202 ug/l

RT: 3.57 min Scan# 570

Delta R.T. 0.01 min

Lab File: VN064261.D

Acq: 22 Oct 2020 19:41

Instrument :

MSVOA_N

ClientSampleId :

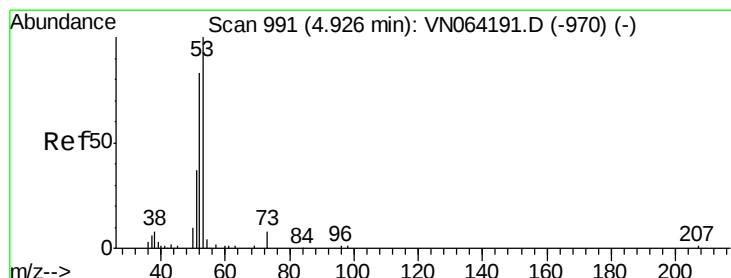
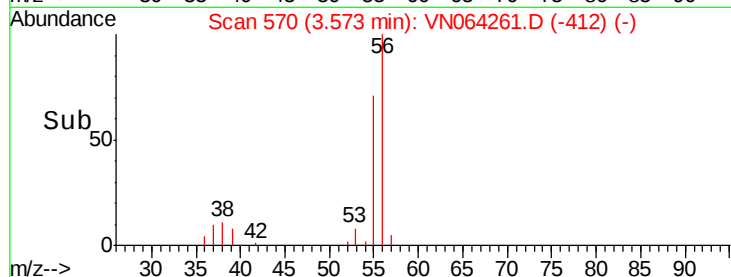
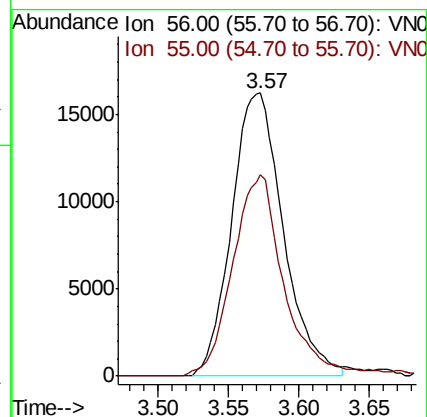
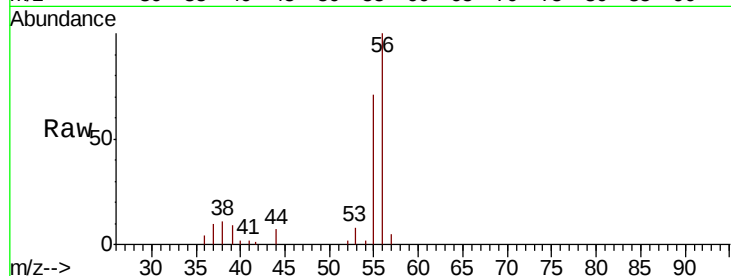
VN1022WBSD01

Tot Ion: 56 Resp: 41580

Ion Ratio Lower Upper

56 100

55 69.2 0.5 0.7#



#14

Acrylonitrile

Concen: 105.179 ug/l

RT: 4.93 min Scan# 992

Delta R.T. 0.00 min

Lab File: VN064261.D

Acq: 22 Oct 2020 19:41

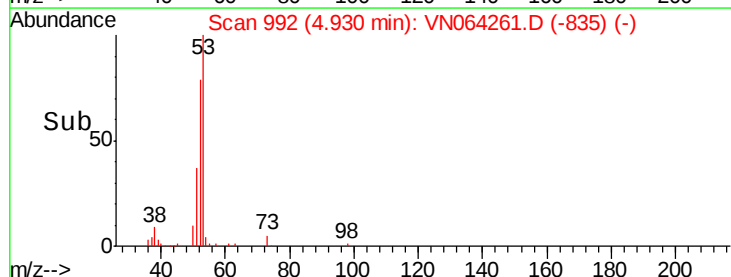
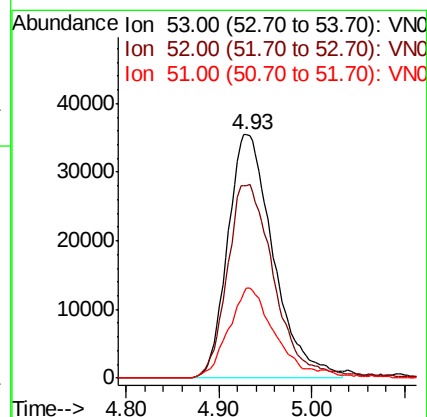
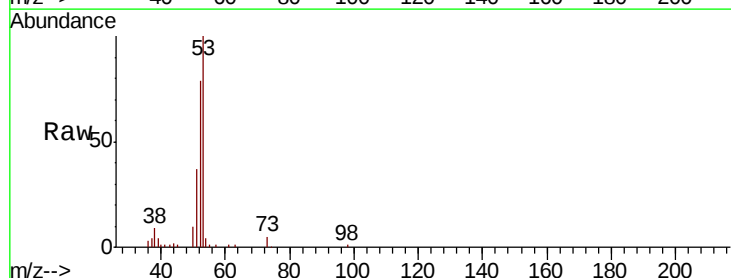
Tgt Ion: 53 Resp: 121003

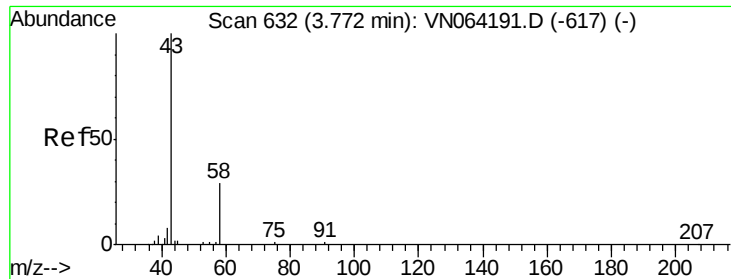
Ion Ratio Lower Upper

53 100

52 35.4 41.3 123.9#

51 36.1 18.1 54.1





#15

Acetone

Concen: 107.744 ug/l

RT: 3.77 min Scan# 632

Delta R.T. 0.00 min

Lab File: VN064261.D

Acq: 22 Oct 2020 19:41

Instrument :

MSVOA_N

ClientSampleId :

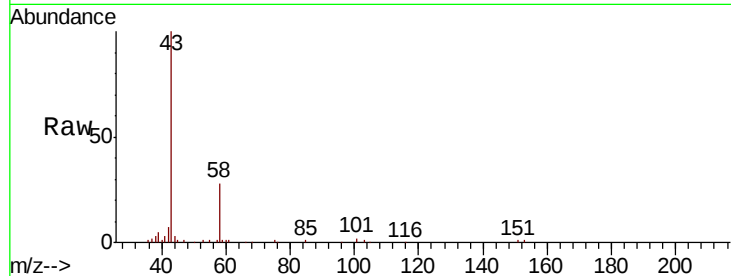
VN1022WBSD01

Tot Ion: 58 Resp: 33467

Ion Ratio Lower Upper

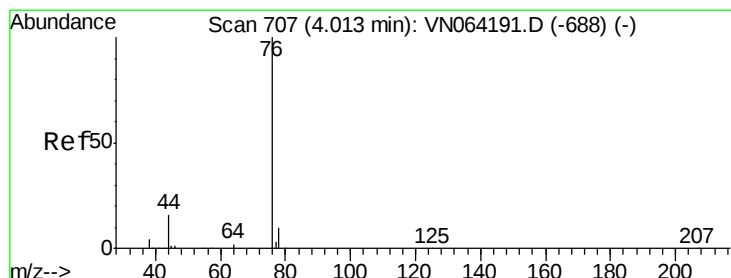
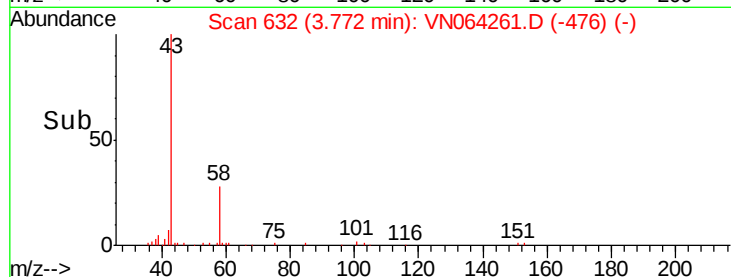
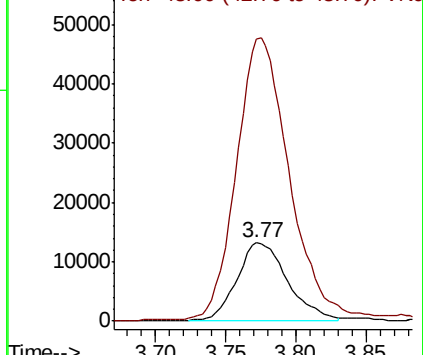
58 100

43 356.4 272.1 408.1



Abundance Ion 58.00 (57.70 to 58.70): VN064261.D (-551) (-)

Ion 43.00 (42.70 to 43.70): VN064261.D (-476) (-)



#16

Carbon Disulfide

Concen: 18.848 ug/l

RT: 4.02 min Scan# 708

Delta R.T. 0.00 min

Lab File: VN064261.D

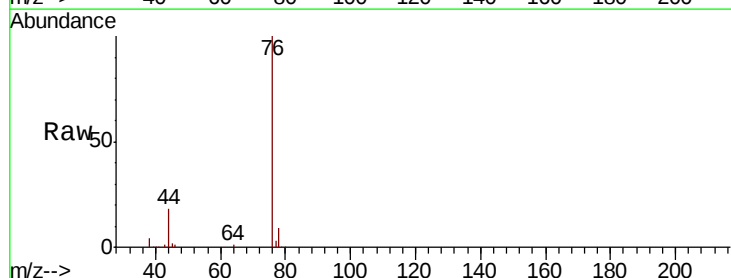
Acq: 22 Oct 2020 19:41

Tgt Ion: 76 Resp: 145997

Ion Ratio Lower Upper

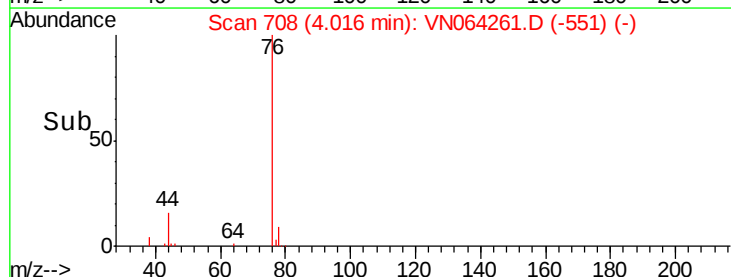
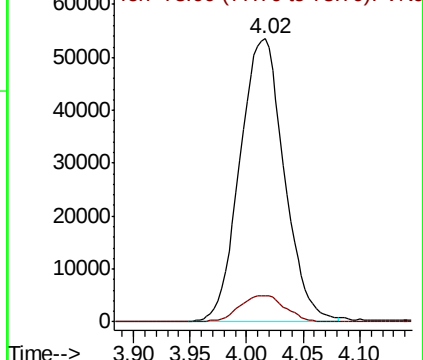
76 100

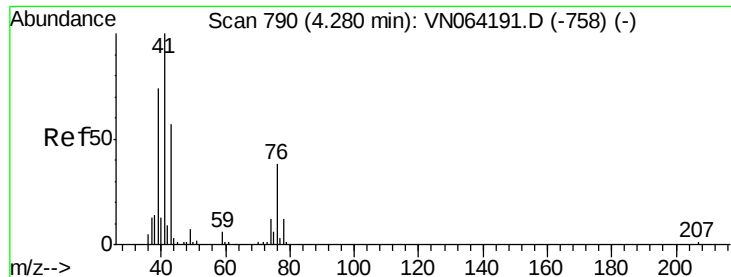
78 9.6 7.7 11.5



Abundance Ion 76.00 (75.70 to 76.70): VN064261.D (-551) (-)

Ion 78.00 (77.70 to 78.70): VN064261.D (-551) (-)





#17

Allvl chloride

Concen: 20.724 ug/l

RT: 4.28 min Scan# 790

Delta R.T. 0.00 min

Lab File: VN064261.D

Acq: 22 Oct 2020 19:41

Instrument :

MSVOA_N

ClientSampleId :

VN1022WBSD01

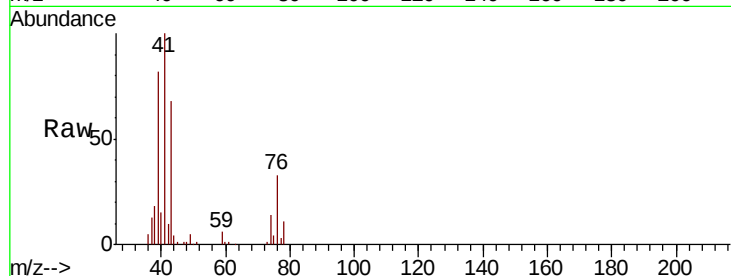
Tot Ion: 41 Resp: 104377

Ion Ratio Lower Upper

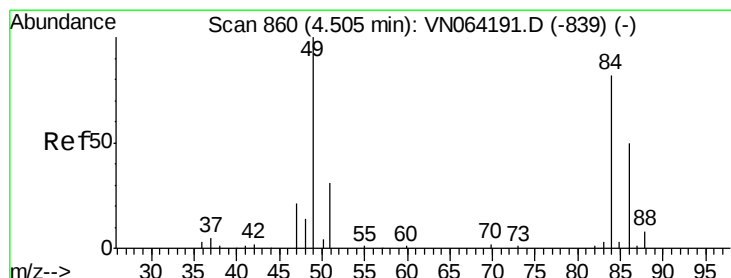
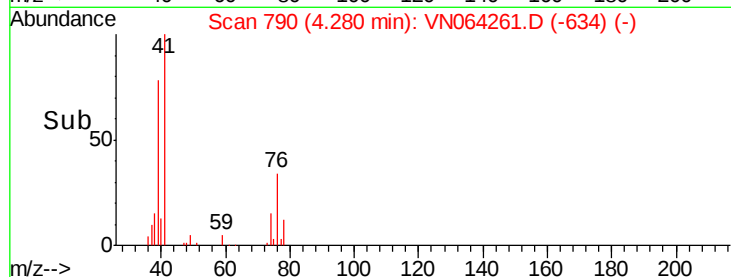
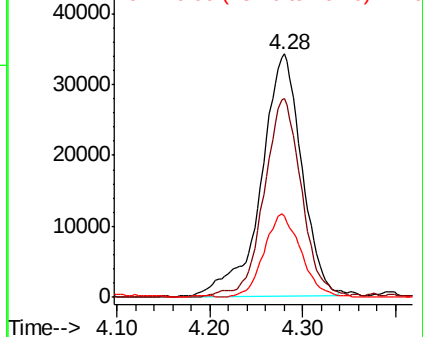
41 100

39 82.2 36.8 110.4

76 33.5 18.8 56.4



Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 76.00 (75.70 to 76.70): VNO



#18

Methylene Chloride

Concen: 20.575 ug/l

RT: 4.50 min Scan# 858

Delta R.T. -0.01 min

Lab File: VN064261.D

Acq: 22 Oct 2020 19:41

Tgt Ion: 84 Resp: 63741

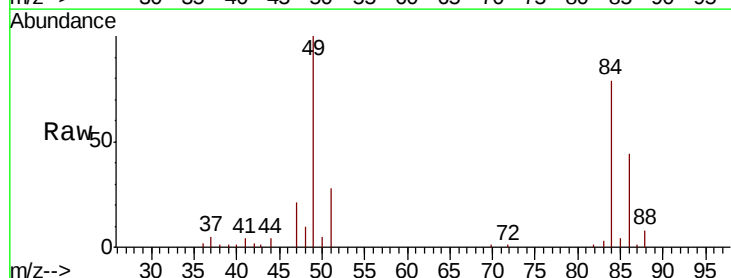
Ion Ratio Lower Upper

84 100

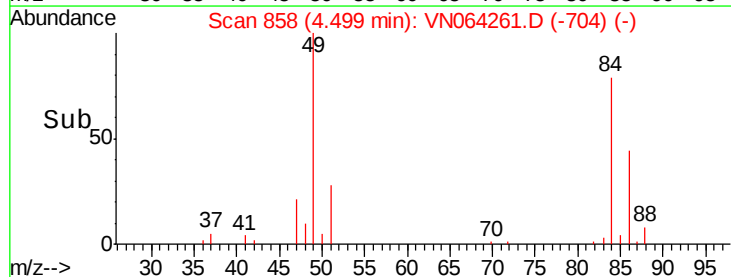
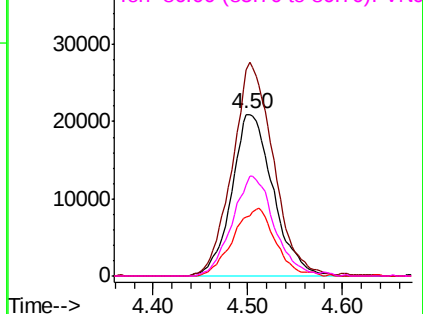
49 127.2 97.6 146.4

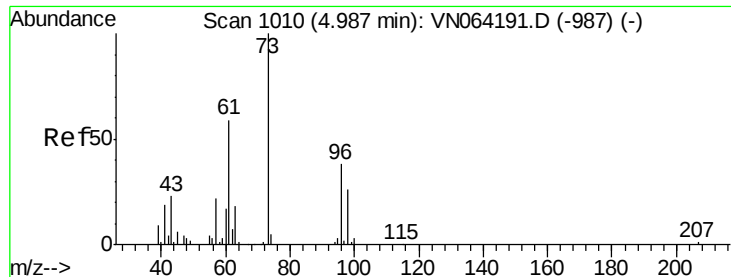
51 36.2 31.1 46.7

86 56.2 49.3 73.9



Abundance Ion 84.00 (83.70 to 84.70): VNO
Ion 49.00 (48.70 to 49.70): VNO
Ion 51.00 (50.70 to 51.70): VNO
Ion 86.00 (85.70 to 86.70): VNO

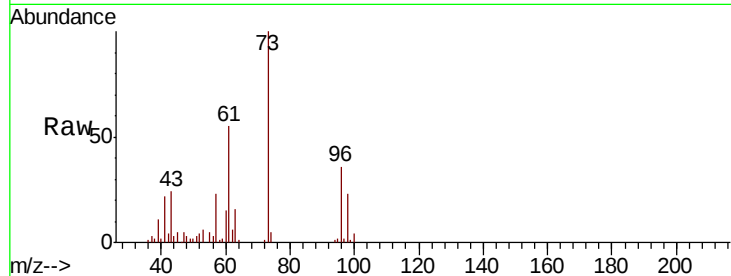




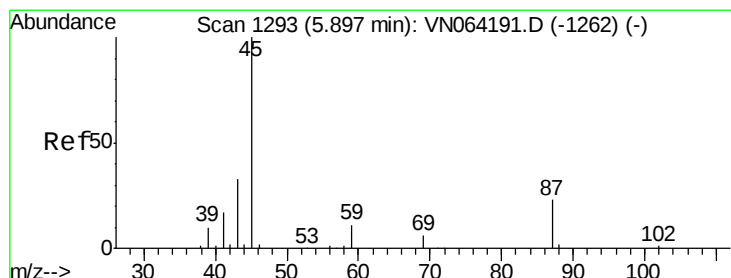
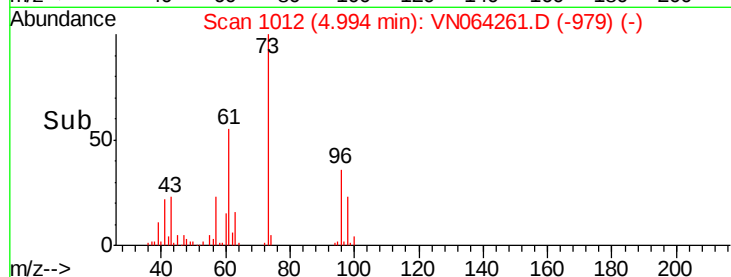
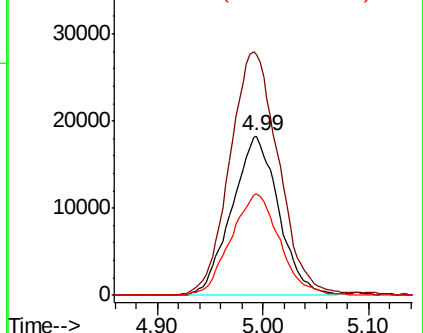
#19
trans-1,2-Dichloroethene
Concen: 19.275 ug/l
RT: 4.99 min Scan# 1012
Delta R.T. 0.01 min
Lab File: VN064261.D
Acq: 22 Oct 2020 19:41

Instrument :
MSVOA_N
ClientSampled :
VN1022WBSD01

Tot Ion: 96 Resp: 56320
Ion Ratio Lower Upper
96 100
61 149.1 125.5 188.3
98 62.8 54.7 82.1

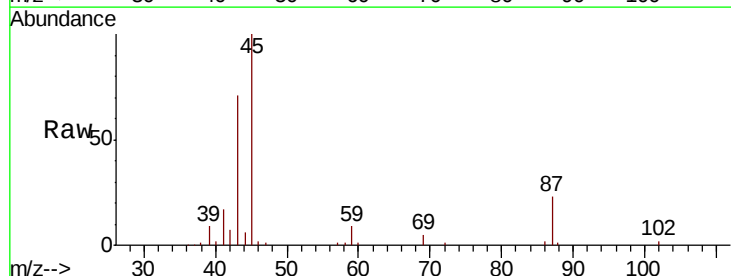


Abundance Ion 96.00 (95.70 to 96.70): VN0
Ion 61.00 (60.70 to 61.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

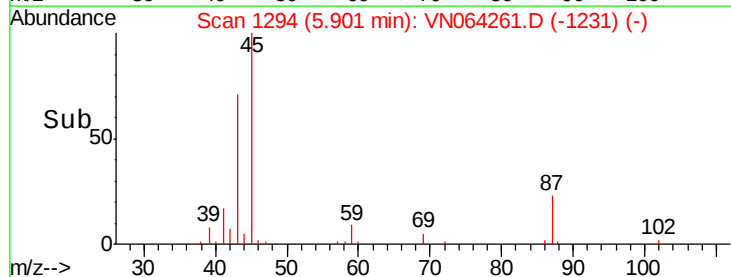
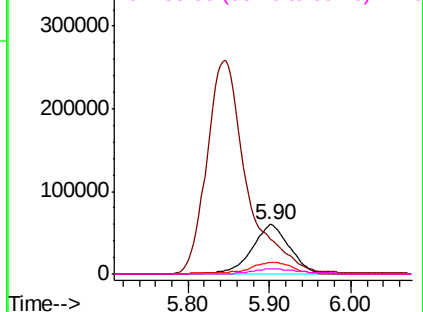


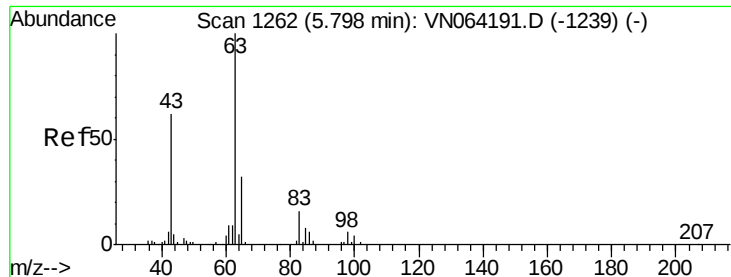
#20
Diisopropyl ether
Concen: 20.700 ug/l
RT: 5.90 min Scan# 1294
Delta R.T. 0.00 min
Lab File: VN064261.D
Acq: 22 Oct 2020 19:41

Tgt Ion: 45 Resp: 192669
Ion Ratio Lower Upper
45 100
43 67.5 55.1 82.7
87 23.5 19.4 29.2
59 8.7 8.7 13.1#



Abundance Ion 45.00 (44.70 to 45.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 87.00 (86.70 to 87.70): VN0
Ion 59.00 (58.70 to 59.70): VN0





#21

1,1-Dichloroethane

Concen: 20.105 ug/l

RT: 5.80 min Scan# 1262

Delta R.T. 0.00 min

Lab File: VN064261.D

Acq: 22 Oct 2020 19:41

Instrument :

MSVOA_N

ClientSampleId :

VN1022WBSD01

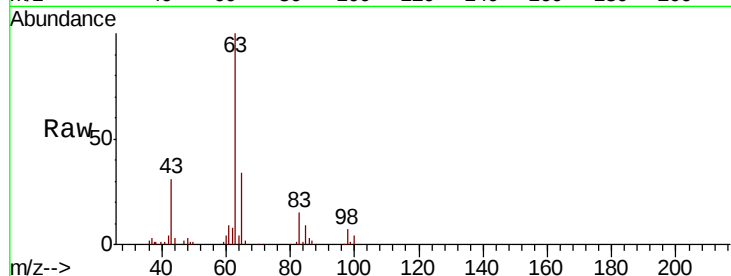
Tot Ion: 63 Resp: 114244

Ion Ratio Lower Upper

63 100

98 6.6 2.9 8.7

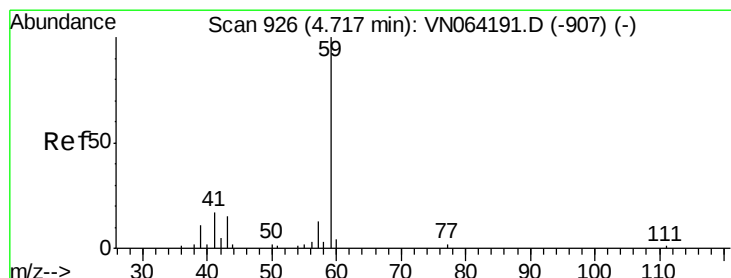
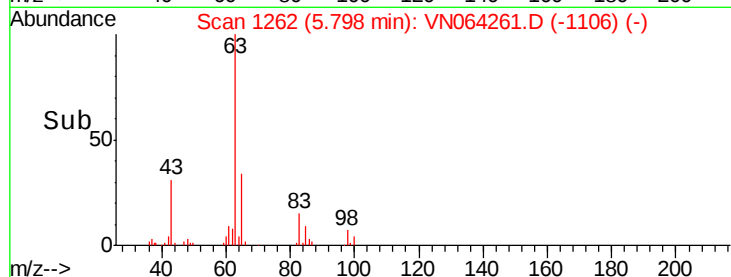
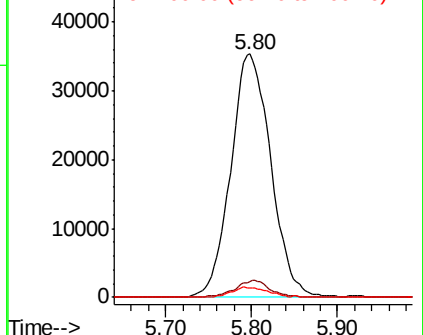
100 3.8 2.1 6.3



Abundance Ion 63.00 (62.70 to 63.70): VN064261.D (-1106) (-)

Ion 98.00 (97.70 to 98.70): VN064261.D (-1106) (-)

Ion 100.00 (99.70 to 100.70): VN064261.D (-1106) (-)



#23

tert-Butyl Alcohol

Concen: 110.138 ug/l

RT: 4.73 min Scan# 930

Delta R.T. 0.01 min

Lab File: VN064261.D

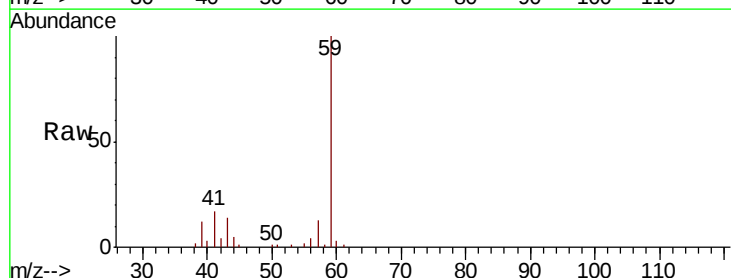
Acq: 22 Oct 2020 19:41

Tgt Ion: 59 Resp: 58605

Ion Ratio Lower Upper

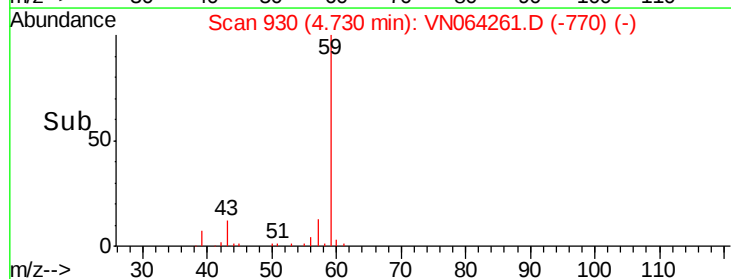
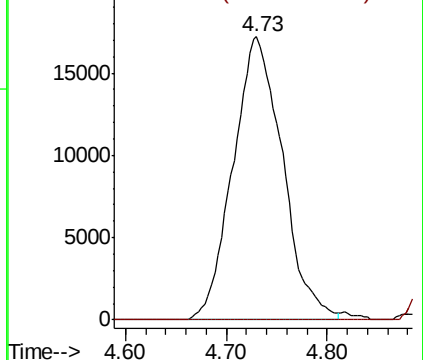
59 100

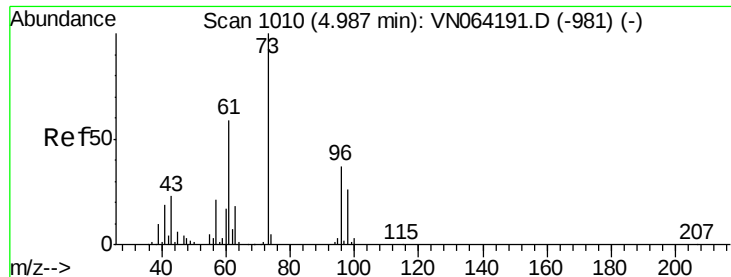
52 0.0 0.0 0.0



Abundance Ion 59.00 (58.70 to 59.70): VN064261.D (-770) (-)

Ion 52.00 (51.70 to 52.70): VN064261.D (-770) (-)



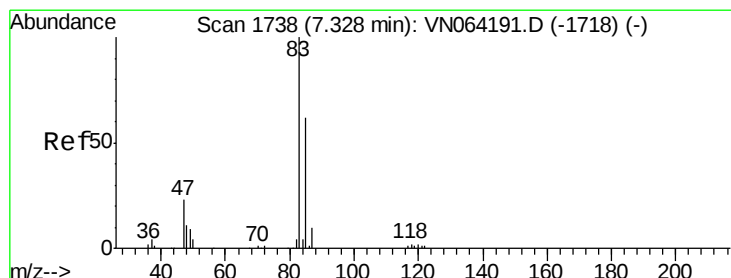
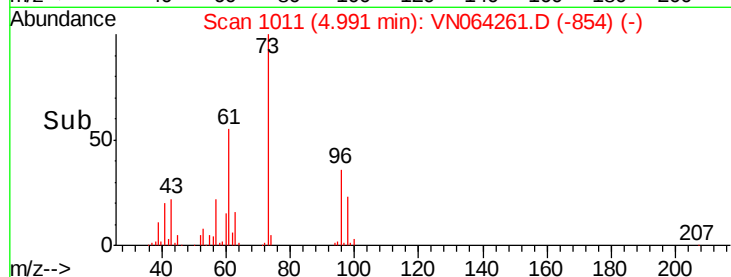
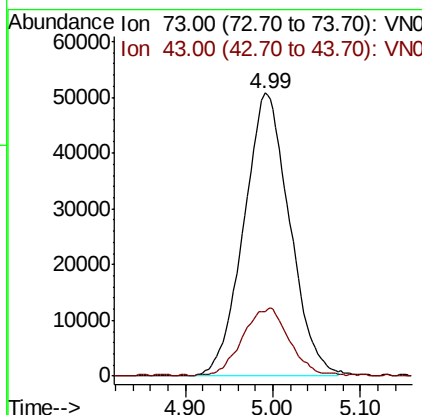
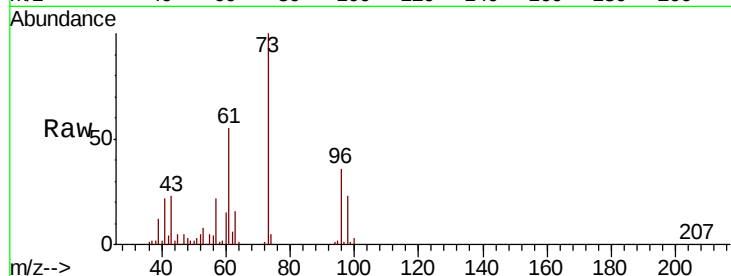


#24

Methyl tert-Butyl Ether
 Concen: 20.620 ug/l
 RT: 4.99 min Scan# 1011
 Delta R.T. 0.00 min
 Lab File: VN064261.D
 Acq: 22 Oct 2020 19:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1022WBSD01

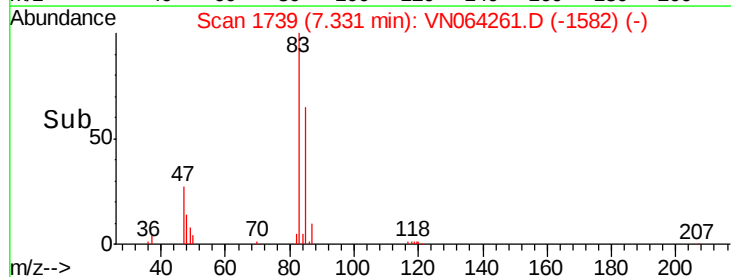
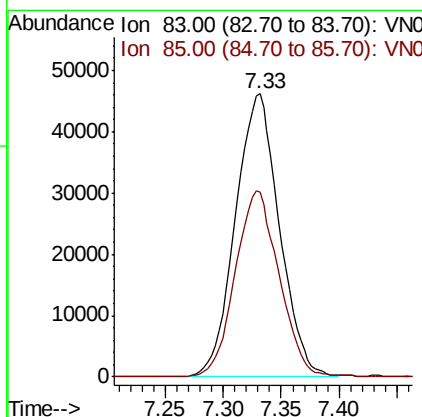
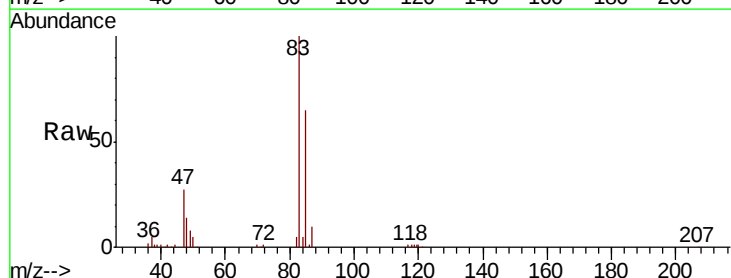
Tot Ion: 73 Resp: 184558
 Ion Ratio Lower Upper
 73 100
 43 11.6 18.2 27.2#

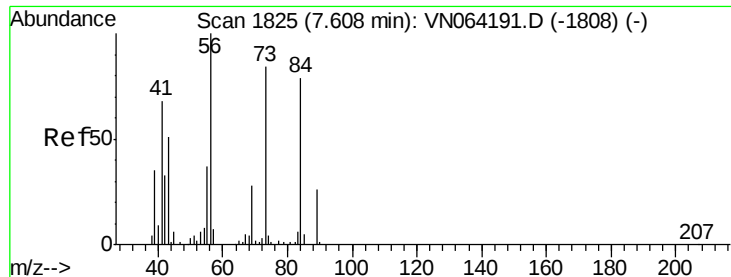


#25

Chloroform
 Concen: 20.668 ug/l
 RT: 7.33 min Scan# 1739
 Delta R.T. 0.00 min
 Lab File: VN064261.D
 Acq: 22 Oct 2020 19:41

Tgt Ion: 83 Resp: 122022
 Ion Ratio Lower Upper
 83 100
 85 65.1 49.7 74.5

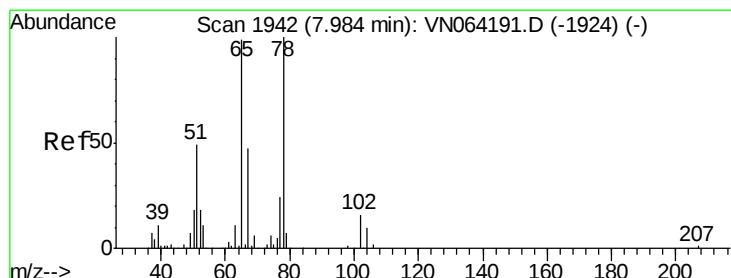
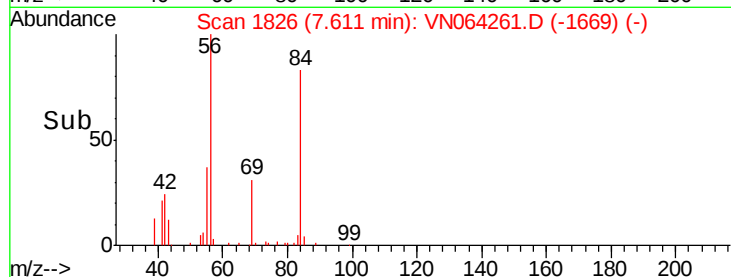
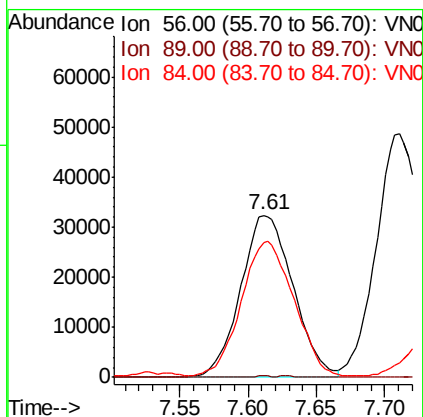
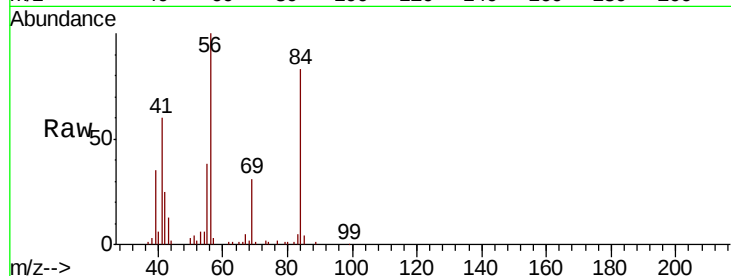




#26
Cyclohexane
Concen: 19.185 ug/l
RT: 7.61 min Scan# 1826
Delta R.T. 0.00 min
Lab File: VN064261.D
Acq: 22 Oct 2020 19:41

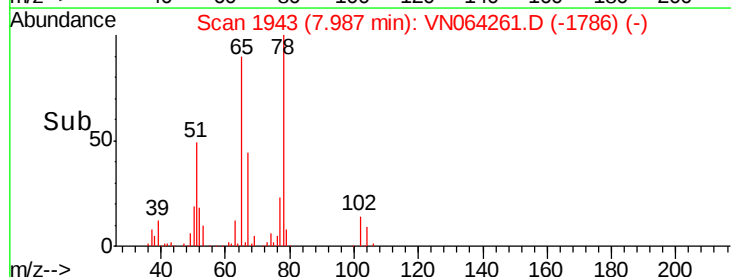
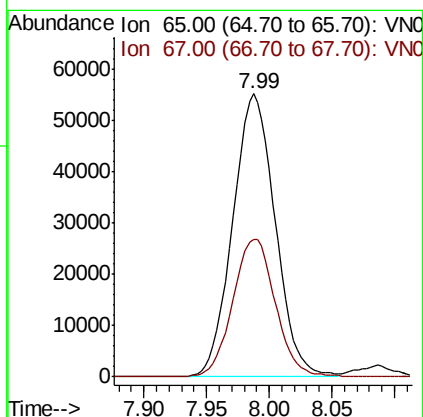
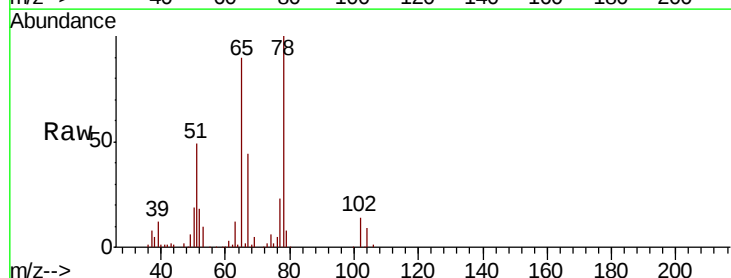
Instrument :
MSVOA_N
ClientSampleId :
VN1022WBSD01

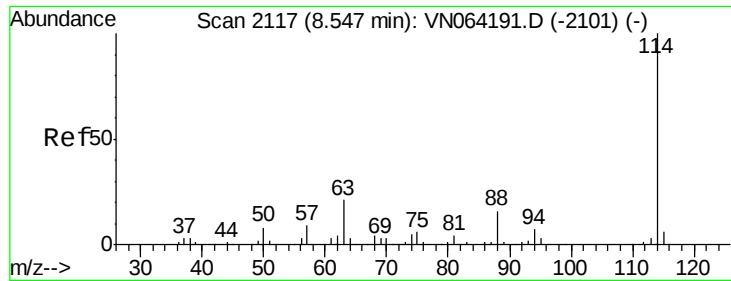
Tot Ion: 56 Resp: 86437
Ion Ratio Lower Upper
56 100
89 0.3 21.4 32.0#
84 85.2 65.8 98.6



#27
1,2-Dichloroethane-d4
Concen: 33.459 ug/l
RT: 7.99 min Scan# 1943
Delta R.T. 0.00 min
Lab File: VN064261.D
Acq: 22 Oct 2020 19:41

Tgt Ion: 65 Resp: 130037
Ion Ratio Lower Upper
65 100
67 48.7 39.8 59.6





#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.55 min Scan# 2118

Delta R.T. 0.00 min

Lab File: VN064261.D

Acq: 22 Oct 2020 19:41

Instrument :

MSVOA_N

ClientSampleId :

VN1022WBSD01

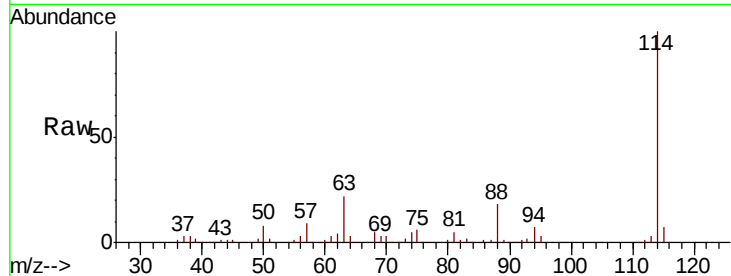
Tot Ion:114 Resp: 264121

Ion Ratio Lower Upper

114 100

63 22.4 17.0 25.4

88 17.0 13.0 19.4

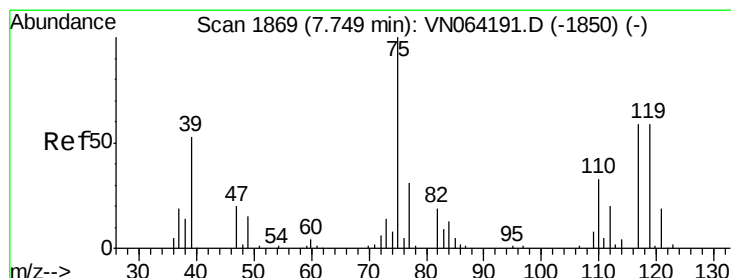
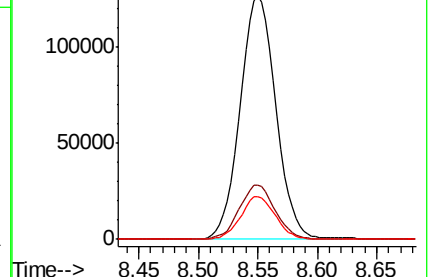
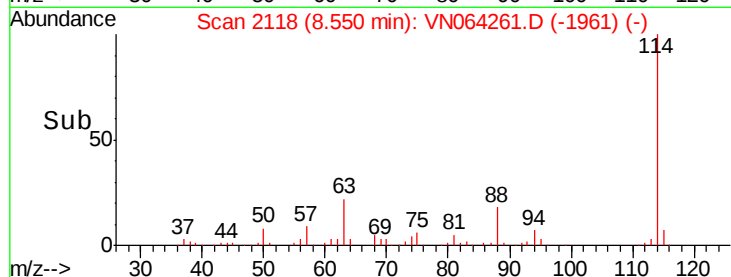


Abundance Ion 114.00 (113.70 to 114.70): VN064191.D (-2101) (-)

Ion 63.00 (62.70 to 63.70): VN064191.D (-2101) (-)

Ion 88.00 (87.70 to 88.70): VN064191.D (-2101) (-)

8.55



#29

1,1-Dichloropropene

Concen: 20.086 ug/l

RT: 7.75 min Scan# 1870

Delta R.T. 0.00 min

Lab File: VN064261.D

Acq: 22 Oct 2020 19:41

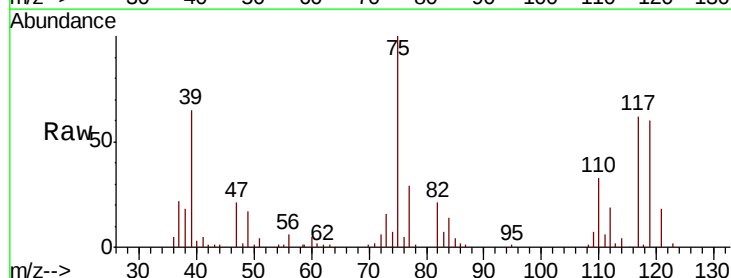
Tgt Ion: 75 Resp: 88107

Ion Ratio Lower Upper

75 100

110 33.3 0.0 66.8

77 30.0 0.0 63.6

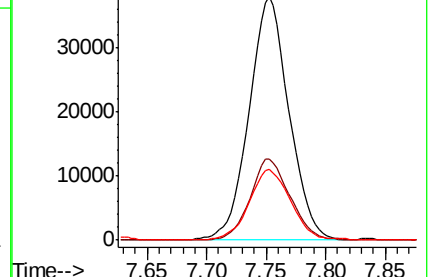
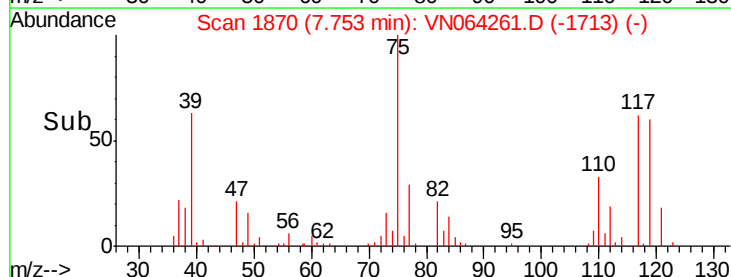


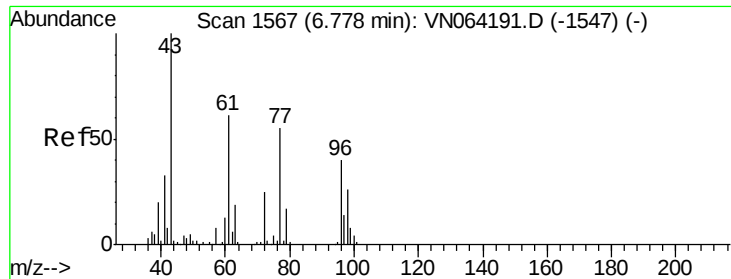
Abundance Ion 75.00 (74.70 to 75.70): VN064191.D (-1850) (-)

Ion 110.00 (109.70 to 110.70): VN064191.D (-1850) (-)

Ion 77.00 (76.70 to 77.70): VN064191.D (-1850) (-)

7.75

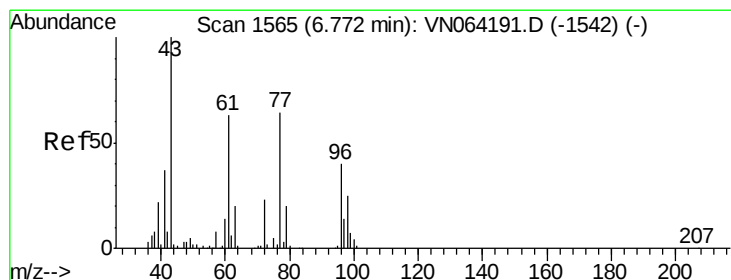
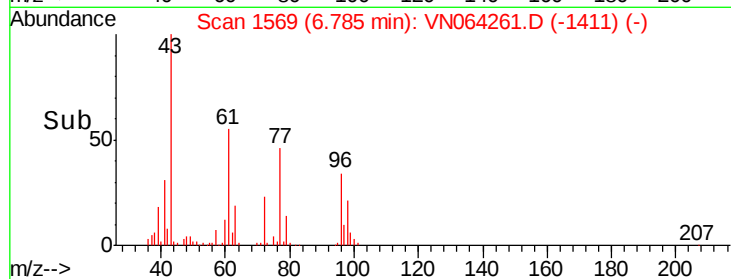
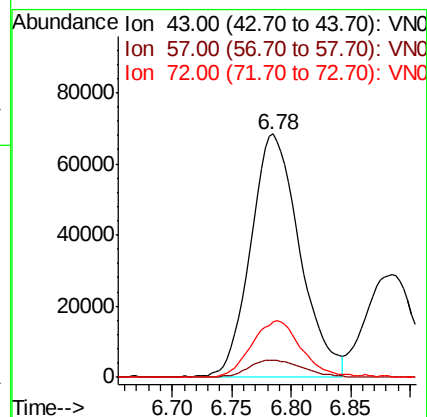
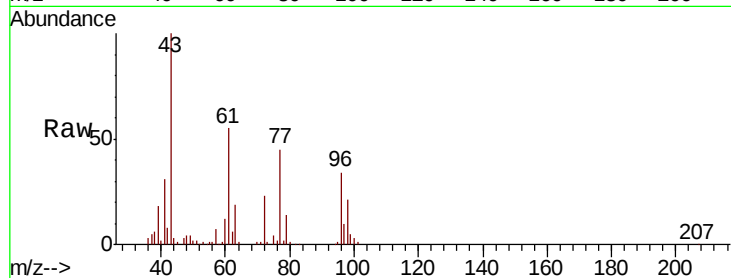




#30
2-Butanone
Concen: 106.962 ug/l
RT: 6.78 min Scan# 1569
Delta R.T. 0.01 min
Lab File: VN064261.D
Acq: 22 Oct 2020 19:41

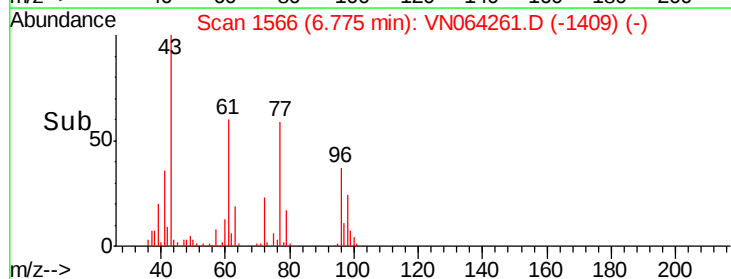
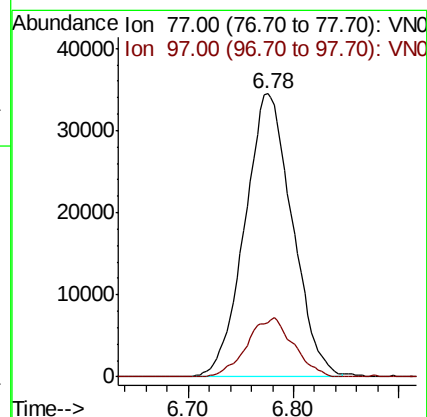
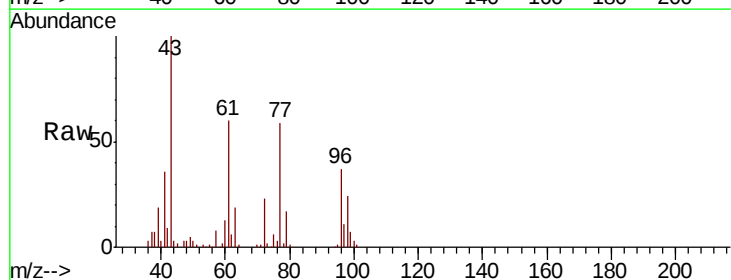
Instrument :
MSVOA_N
ClientSampleId :
VN1022WBSD01

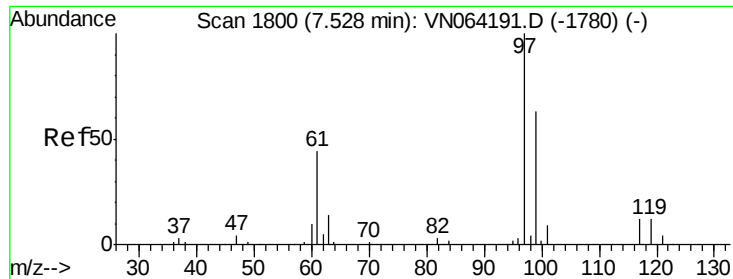
Tot Ion: 43 Resp: 193474
Ion Ratio Lower Upper
43 100
57 7.8 5.8 8.6
72 24.0 19.8 29.8



#31
2,2-Dichloropropane
Concen: 19.384 ug/l
RT: 6.78 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VN064261.D
Acq: 22 Oct 2020 19:41

Tgt Ion: 77 Resp: 107944
Ion Ratio Lower Upper
77 100
97 8.6 17.3 25.9#

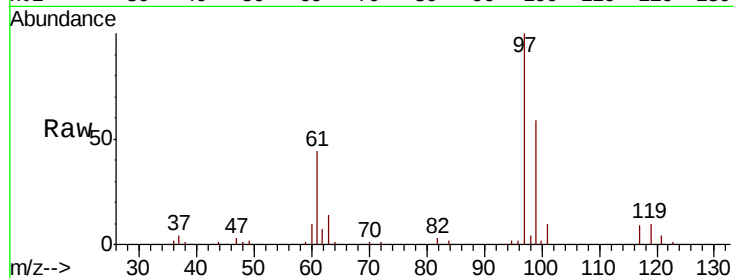




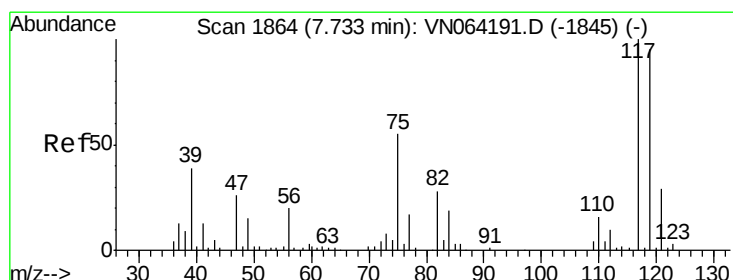
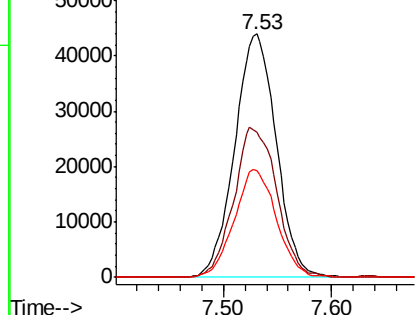
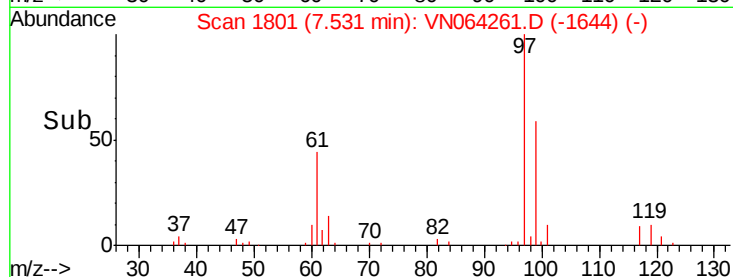
#32
 1,1,1-Trichloroethane
 Concen: 21.039 ug/l
 RT: 7.53 min Scan# 1801
 Delta R.T. 0.00 min
 Lab File: VN064261.D
 Acq: 22 Oct 2020 19:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1022WBSD01

Tot Ion: 97 Resp: 117582
 Ion Ratio Lower Upper
 97 100
 99 63.7 51.3 76.9
 61 44.9 34.8 52.2

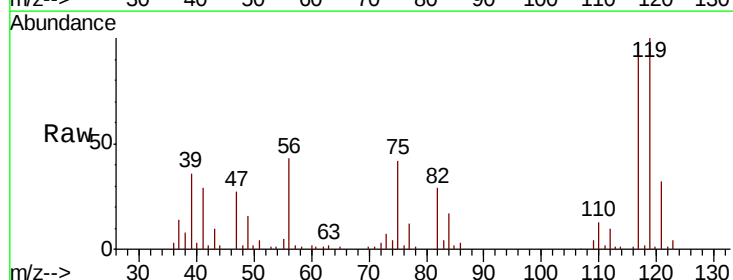


Abundance Ion 97.00 (96.70 to 97.70): VN0
 Ion 99.00 (98.70 to 99.70): VN0
 Ion 61.00 (60.70 to 61.70): VN0

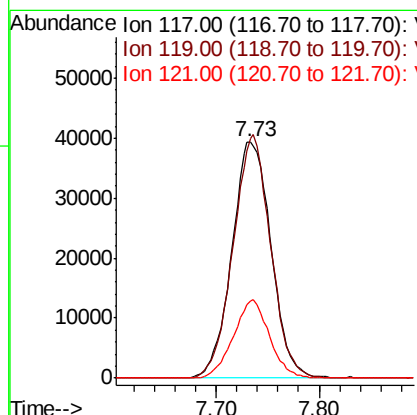
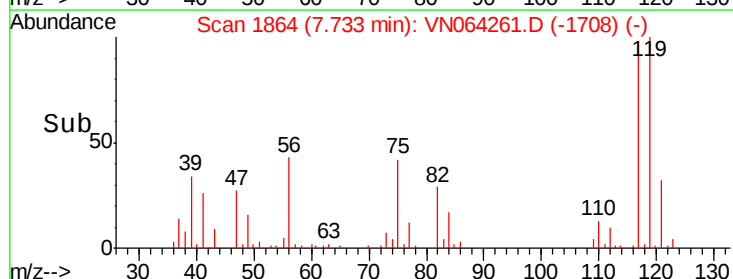


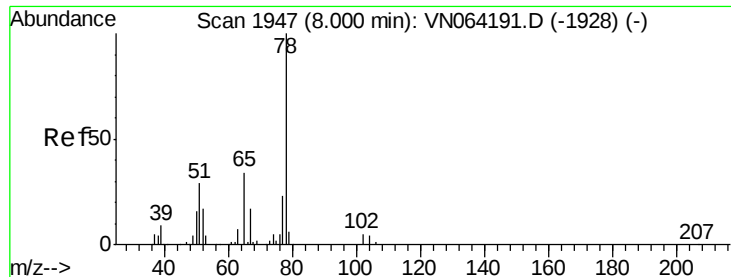
#33
 Carbon Tetrachloride
 Concen: 20.409 ug/l
 RT: 7.73 min Scan# 1864
 Delta R.T. 0.00 min
 Lab File: VN064261.D
 Acq: 22 Oct 2020 19:41

Tgt Ion: 117 Resp: 103987
 Ion Ratio Lower Upper
 117 100
 119 101.5 76.0 114.0
 121 32.9 23.0 34.6



Abundance Ion 117.00 (116.70 to 117.70): V
 Ion 119.00 (118.70 to 119.70): V
 Ion 121.00 (120.70 to 121.70): V





#34

Benzene

Concen: 20.138 ug/l

RT: 8.00 min Scan# 1948

Delta R.T. 0.00 min

Lab File: VN064261.D

Acq: 22 Oct 2020 19:41

Instrument :

MSVOA_N

ClientSampled :

VN1022WBSD01

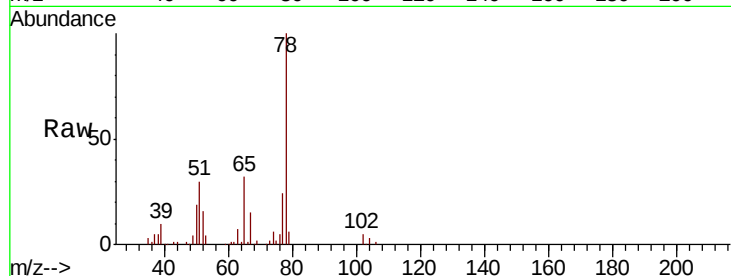
Tot Ion: 78 Resp: 245974

Ion Ratio Lower Upper

78 100

77 24.2 18.4 27.6

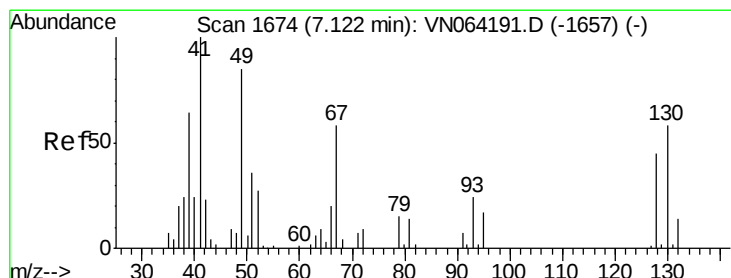
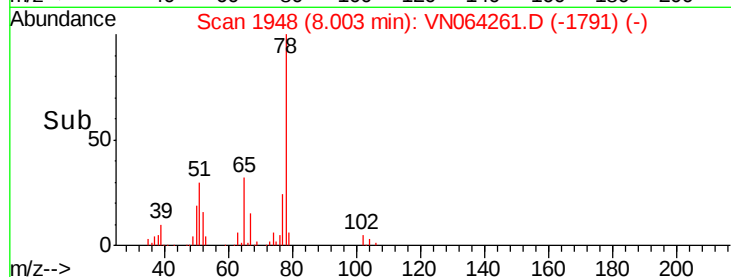
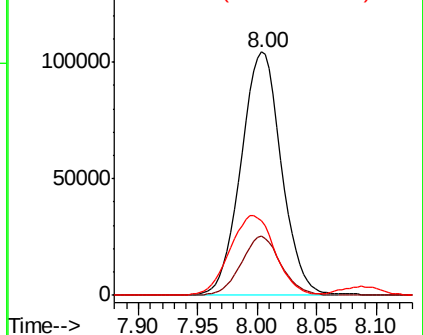
51 30.1 23.0 34.6



Abundance Ion 78.10 (77.80 to 78.80): VN064261.D (-1928) (-)

Ion 77.00 (76.70 to 77.70): VN064261.D (-1928) (-)

Ion 51.00 (50.70 to 51.70): VN064261.D (-1928) (-)



#35

Methacrylonitrile

Concen: 20.650 ug/l

RT: 7.13 min Scan# 1675

Delta R.T. 0.00 min

Lab File: VN064261.D

Acq: 22 Oct 2020 19:41

Tgt Ion: 41 Resp: 40971

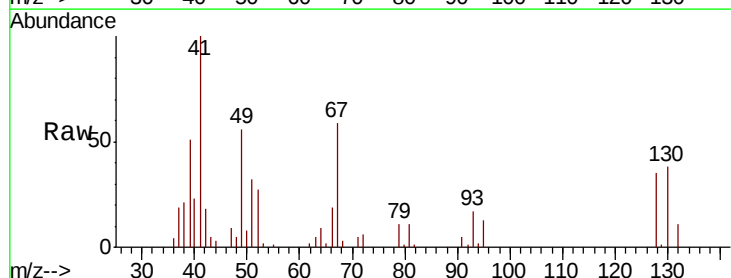
Ion Ratio Lower Upper

41 100

39 50.5 32.1 96.3

67 58.7 28.9 86.8

52 26.7 13.4 40.2

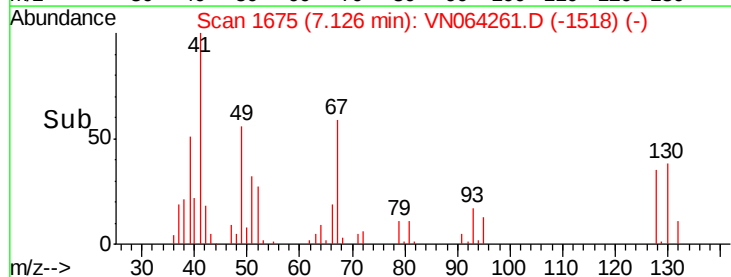
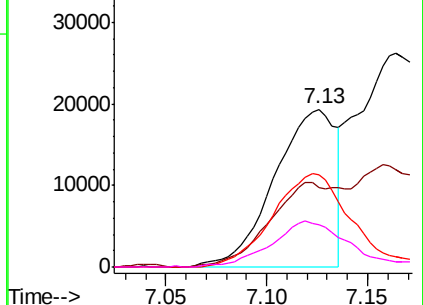


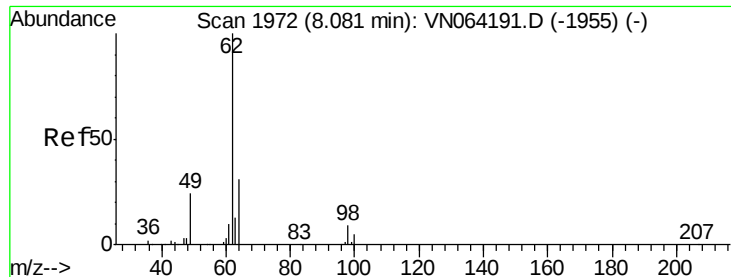
Abundance Ion 41.00 (40.70 to 41.70): VN064261.D (-1657) (-)

Ion 39.00 (38.70 to 39.70): VN064261.D (-1657) (-)

Ion 67.00 (66.70 to 67.70): VN064261.D (-1657) (-)

Ion 52.00 (51.70 to 52.70): VN064261.D (-1657) (-)





#36

1,2-Dichloroethane

Concen: 22.004 ug/l

RT: 8.09 min Scan# 1974

Delta R.T. 0.01 min

Lab File: VN064261.D

Acq: 22 Oct 2020 19:41

Instrument :

MSVOA_N

ClientSampleId :

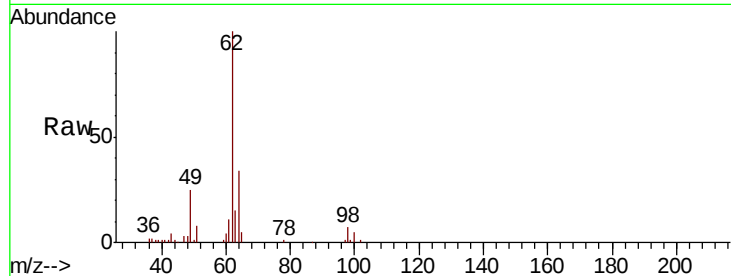
VN1022WBSD01

Tot Ion: 62 Resp: 108705

Ion Ratio Lower Upper

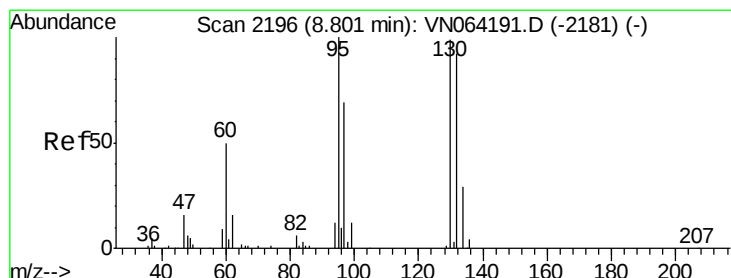
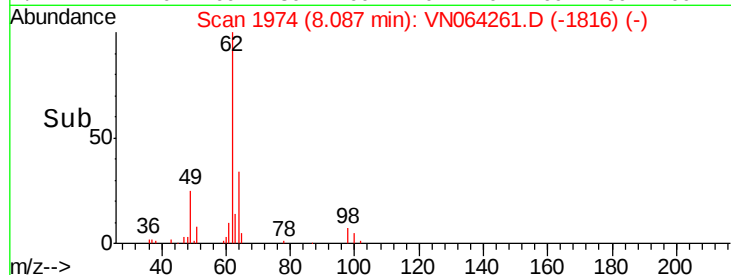
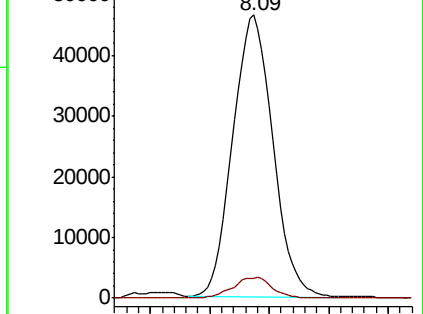
62 100

98 4.0 6.3 9.5#



Abundance Ion 62.00 (61.70 to 62.70): VN064191.D (-1955) (-)

Ion 98.00 (97.70 to 98.70): VN064191.D (-1955) (-)



#37

Trichloroethene

Concen: 20.358 ug/l

RT: 8.80 min Scan# 2196

Delta R.T. 0.00 min

Lab File: VN064261.D

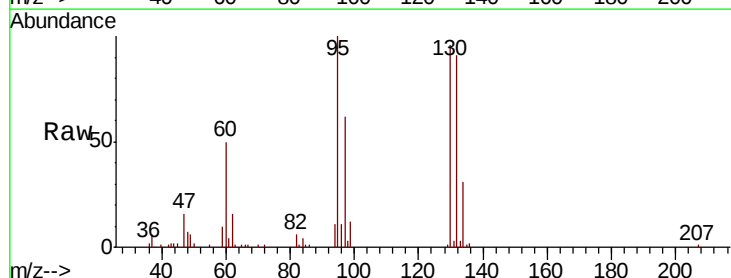
Acq: 22 Oct 2020 19:41

Tgt Ion: 130 Resp: 68464

Ion Ratio Lower Upper

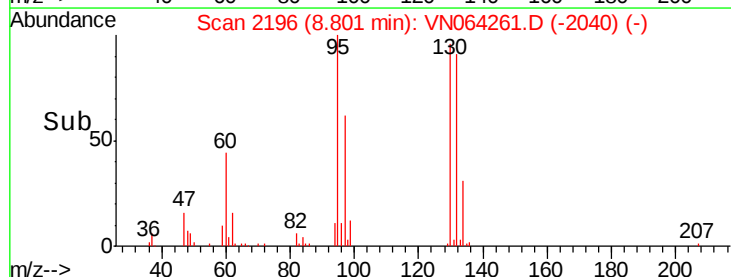
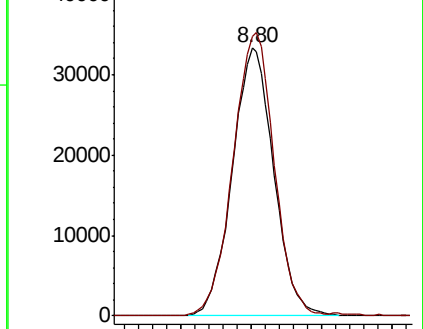
130 100

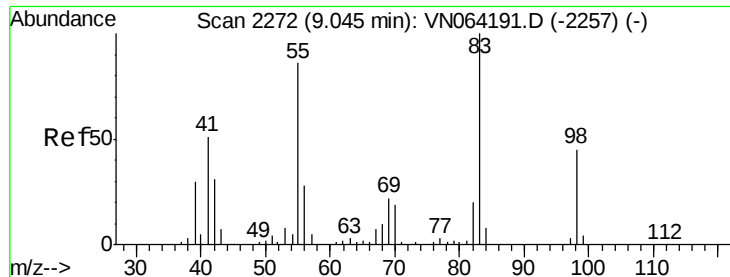
95 103.6 81.0 121.4



Abundance Ion 129.90 (129.60 to 130.60): VN064191.D (-2181) (-)

Ion 94.90 (94.60 to 95.60): VN064191.D (-2181) (-)

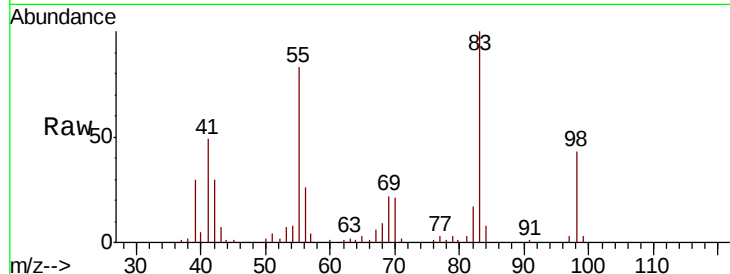




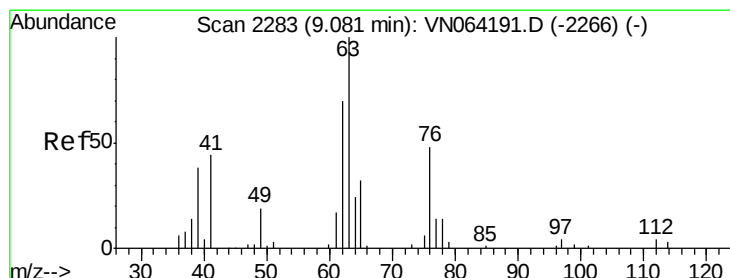
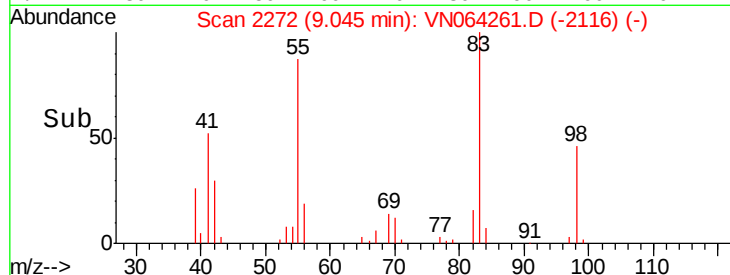
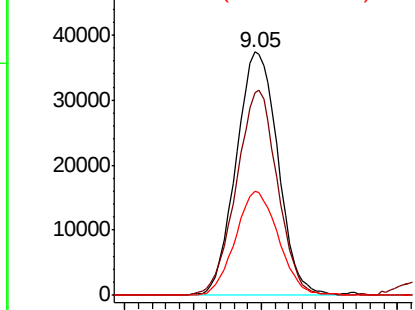
#38
Methvlcvclohexane
Concen: 19.012 ug/l
RT: 9.05 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN064261.D
Acq: 22 Oct 2020 19:41

Instrument :
MSVOA_N
ClientSampleId :
VN1022WBSD01

Tot Ion: 83 Resp: 79756
Ion Ratio Lower Upper
83 100
55 82.7 40.3 120.9
98 43.8 22.4 67.0

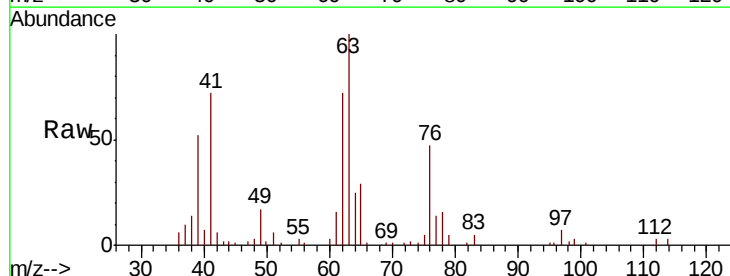


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

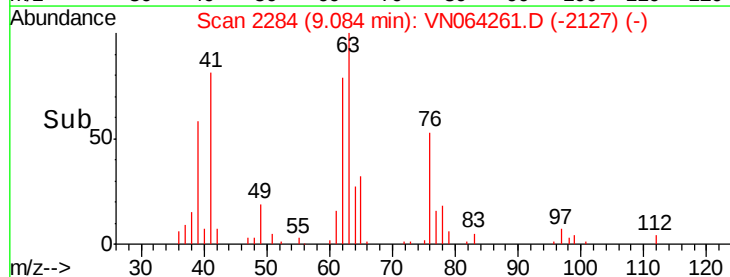
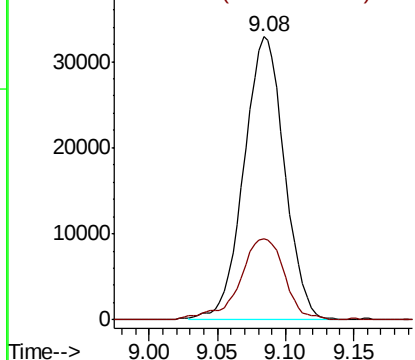


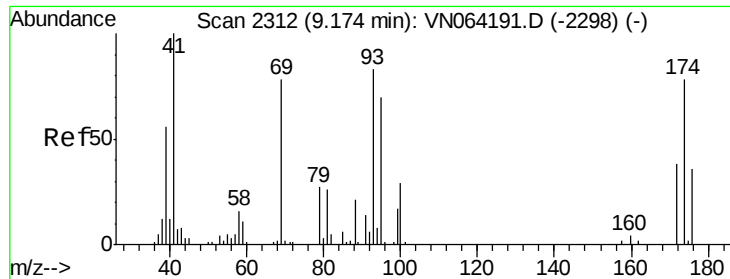
#39
1,2-Dichloropropane
Concen: 20.834 ug/l
RT: 9.08 min Scan# 2284
Delta R.T. 0.00 min
Lab File: VN064261.D
Acq: 22 Oct 2020 19:41

Tgt Ion: 63 Resp: 67912
Ion Ratio Lower Upper
63 100
65 28.9 26.5 39.7



Abundance Ion 63.00 (62.70 to 63.70): VN0
Ion 65.00 (64.70 to 65.70): VN0





#40

Dibromomethane

Concen: 20.518 ug/l

RT: 9.17 min Scan# 2312

Delta R.T. 0.00 min

Lab File: VN064261.D

Acq: 22 Oct 2020 19:41

Instrument :

MSVOA_N

ClientSampleId :

VN1022WBSD01

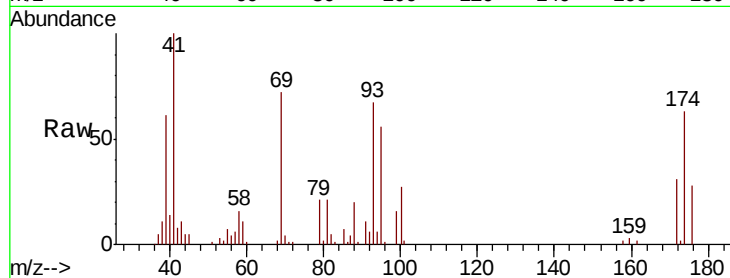
Tot Ion: 93 Resp: 46534

Ion Ratio Lower Upper

93 100

95 82.7 0.0 169.2

174 93.1 0.0 187.4

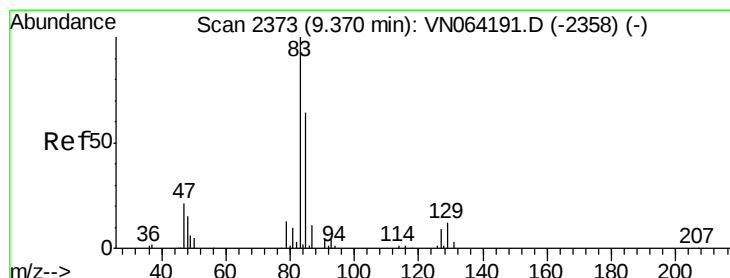
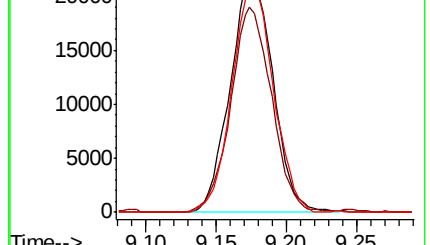
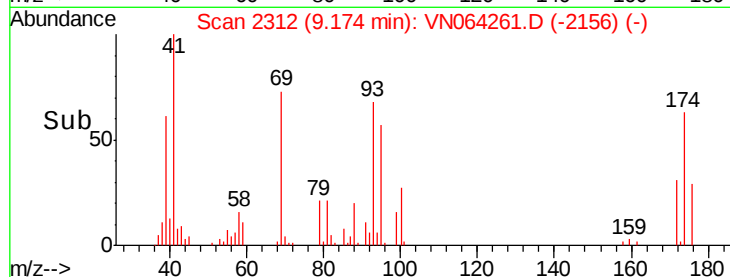


Abundance Ion 93.00 (92.70 to 93.70): VN064261.D (-2217) (-)

Ion 95.00 (94.70 to 95.70): VN064261.D (-2217) (-)

Ion 174.00 (173.70 to 174.70): VN064261.D (-2217) (-)

Time-->



#41

Bromodichloromethane

Concen: 20.646 ug/l

RT: 9.37 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN064261.D

Acq: 22 Oct 2020 19:41

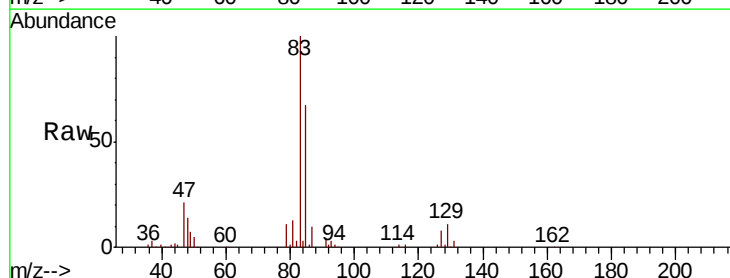
Tgt Ion: 83 Resp: 101337

Ion Ratio Lower Upper

83 100

85 67.2 51.5 77.3

127 7.6 6.8 10.2

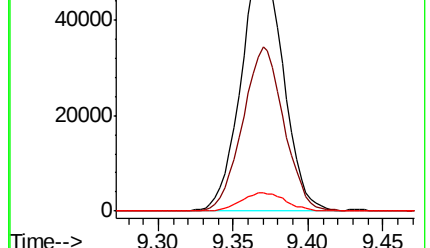
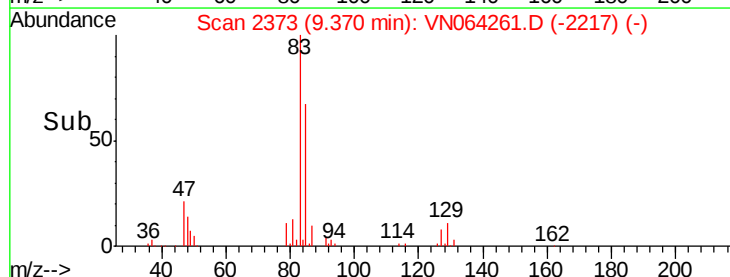


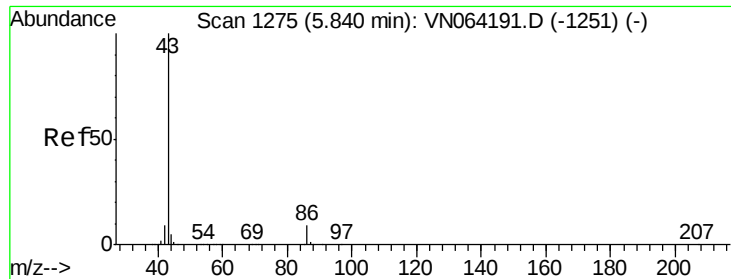
Abundance Ion 83.00 (82.70 to 83.70): VN064261.D (-2217) (-)

Ion 85.00 (84.70 to 85.70): VN064261.D (-2217) (-)

Ion 127.00 (126.70 to 127.70): VN064261.D (-2217) (-)

Time-->

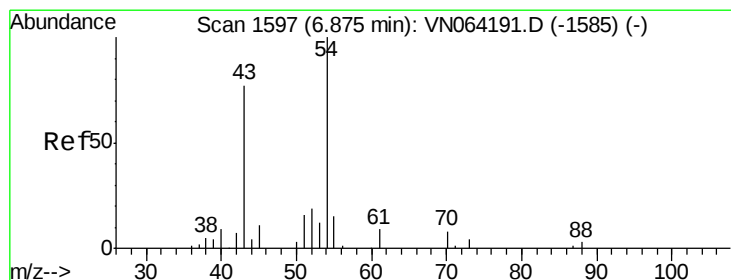
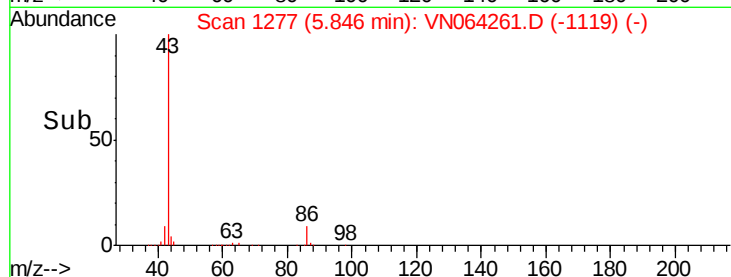
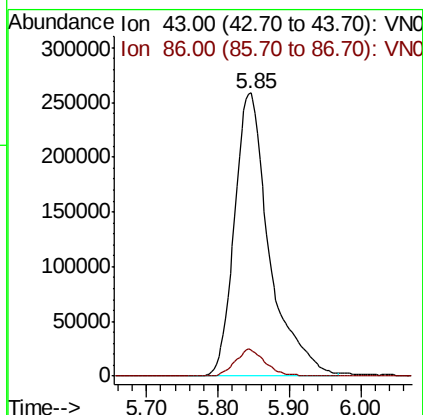
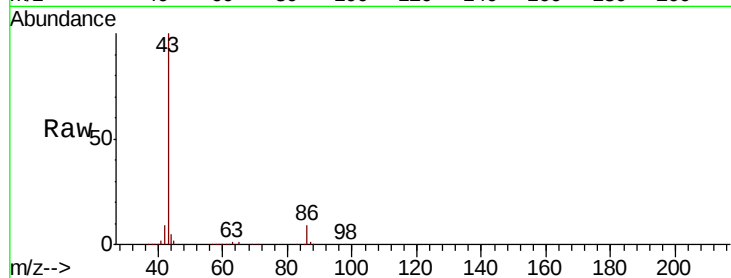




#42
 Vinyl Acetate
 Concen: 102.763 ug/l
 RT: 5.85 min Scan# 1277
 Delta R.T. 0.01 min
 Lab File: VN064261.D
 Acq: 22 Oct 2020 19:41

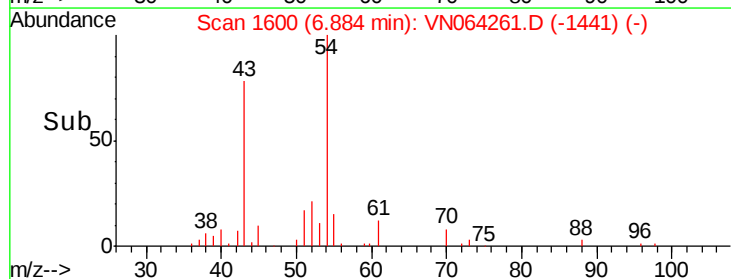
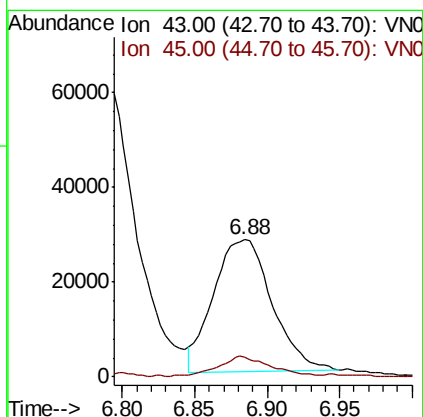
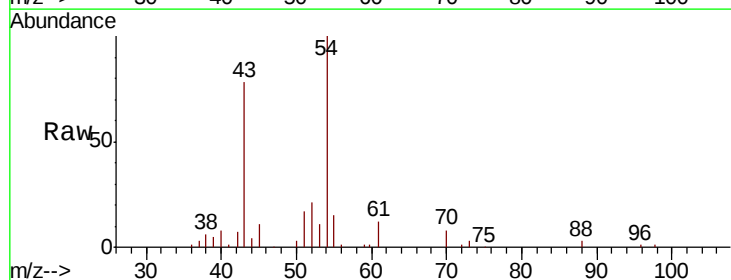
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1022WBSD01

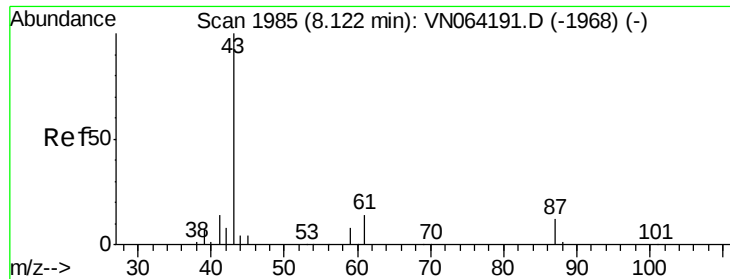
Tot Ion: 43 Resp: 882444
 Ion Ratio Lower Upper
 43 100
 86 8.0 6.7 10.1



#43
 Ethyl Acetate
 Concen: 19.751 ug/l
 RT: 6.88 min Scan# 1600
 Delta R.T. 0.01 min
 Lab File: VN064261.D
 Acq: 22 Oct 2020 19:41

Tgt Ion: 43 Resp: 78025
 Ion Ratio Lower Upper
 43 100
 45 13.5 9.8 14.8





#44

Isopropyl Acetate

Concen: 20.486 ug/l

RT: 8.13 min Scan# 1987

Delta R.T. 0.01 min

Lab File: VN064261.D

Acq: 22 Oct 2020 19:41

Instrument :

MSVOA_N

ClientSampleId :

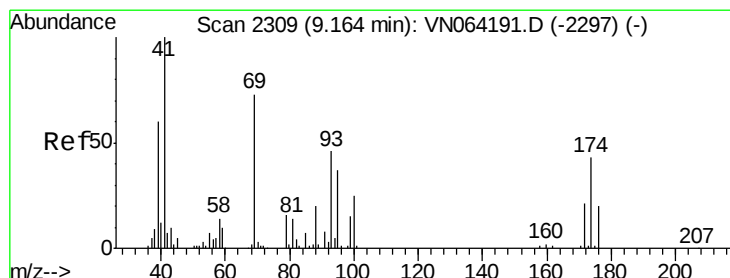
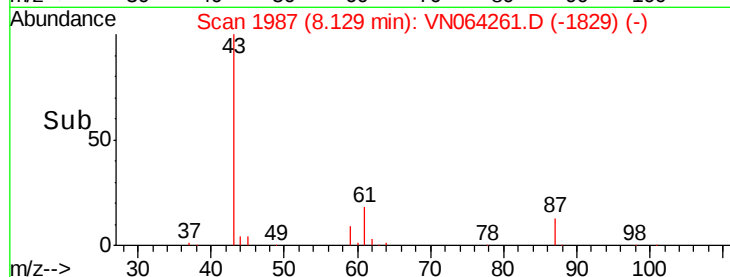
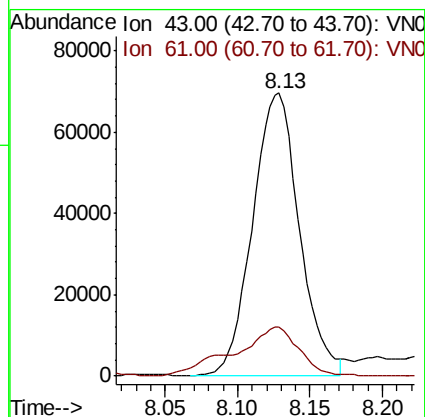
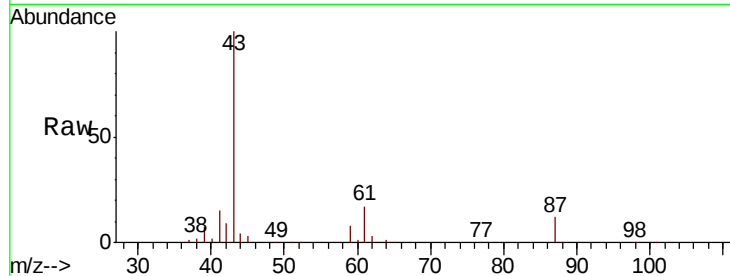
VN1022WBSD01

Tot Ion: 43 Resp: 155367

Ion Ratio Lower Upper

43 100

61 17.5 18.7 28.1#



#45

1,4-Dioxane

Concen: 430.594 ug/l

RT: 9.16 min Scan# 2309

Delta R.T. 0.00 min

Lab File: VN064261.D

Acq: 22 Oct 2020 19:41

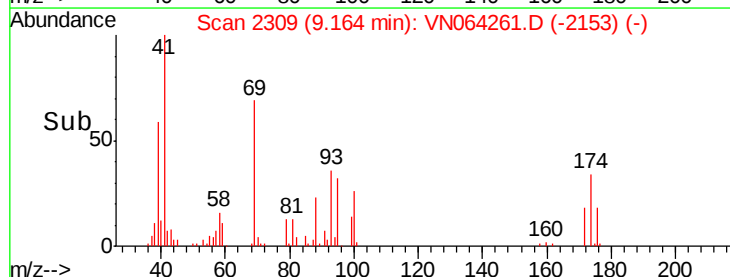
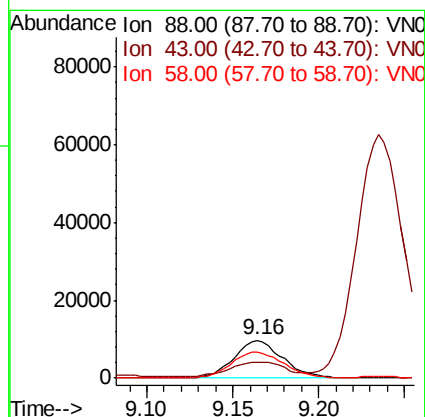
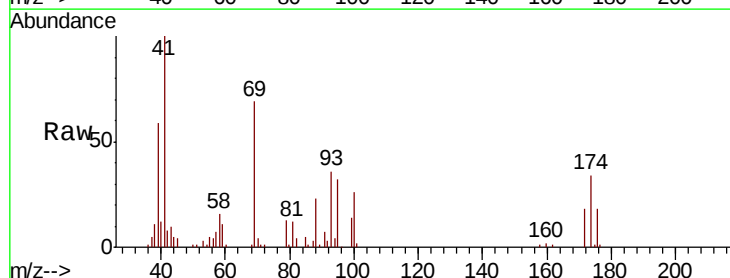
Tgt Ion: 88 Resp: 19100

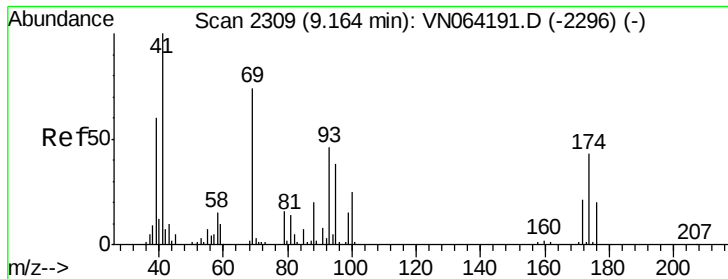
Ion Ratio Lower Upper

88 100

43 42.5 37.0 55.4

58 74.5 62.4 93.6

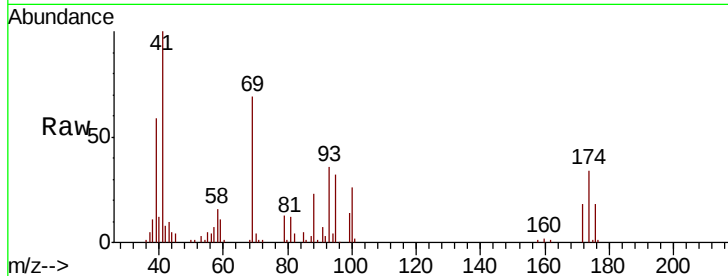




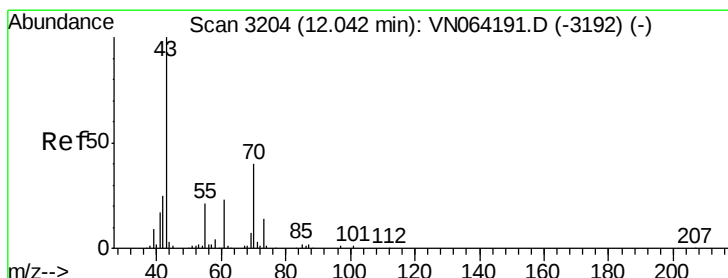
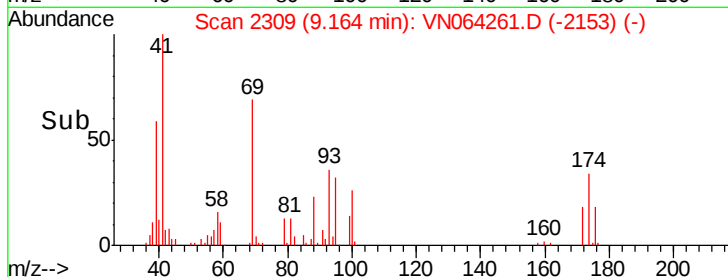
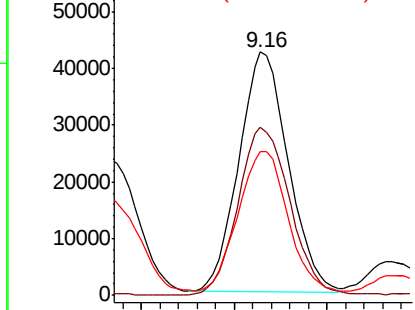
#46
Methyl methacrylate
Concen: 21.786 ug/l
RT: 9.16 min Scan# 2309
Delta R.T. 0.00 min
Lab File: VN064261.D
Acq: 22 Oct 2020 19:41

Instrument :
MSVOA_N
ClientSampleId :
VN1022WBSD01

Tot Ion: 41 Resp: 78399
Ion Ratio Lower Upper
41 100
69 69.6 36.8 110.4
39 58.0 30.4 91.2

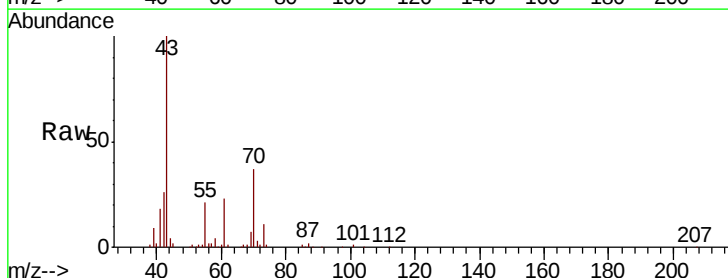


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

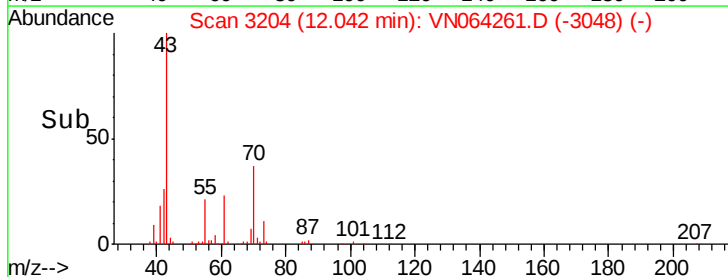
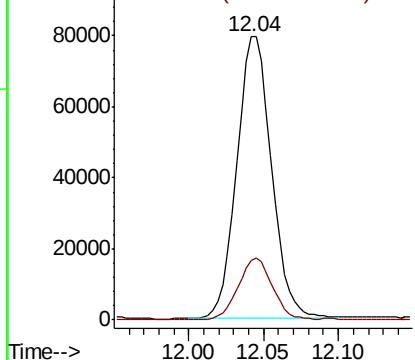


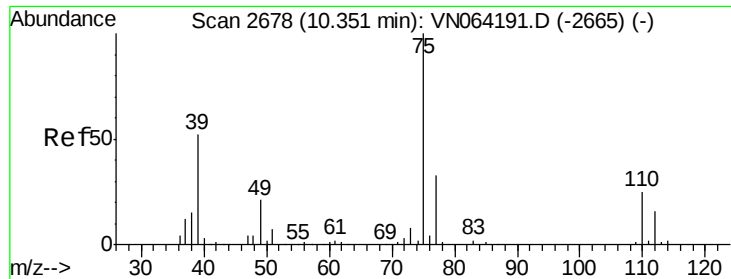
#47
n-ethyl Acetate
Concen: 19.104 ug/l
RT: 12.04 min Scan# 3204
Delta R.T. 0.00 min
Lab File: VN064261.D
Acq: 22 Oct 2020 19:41

Tgt Ion: 43 Resp: 128536
Ion Ratio Lower Upper
43 100
55 21.6 17.6 26.4



Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 55.00 (54.70 to 55.70): VN0





#48

t-1,3-Dichloropropene

Concen: 19.741 ug/l

RT: 10.35 min Scan# 2678

Delta R.T. 0.00 min

Lab File: VN064261.D

Acq: 22 Oct 2020 19:41

Instrument :

MSVOA_N

ClientSampleId :

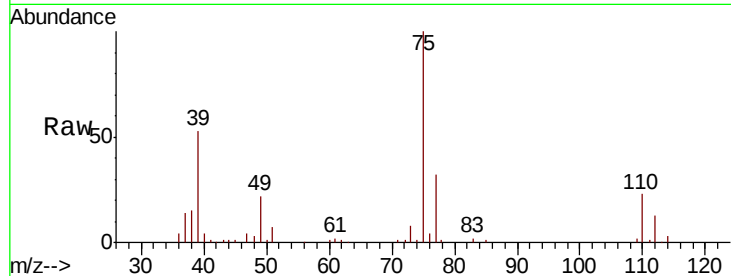
VN1022WBSD01

Tot Ion: 75 Resp: 109280

Ion Ratio Lower Upper

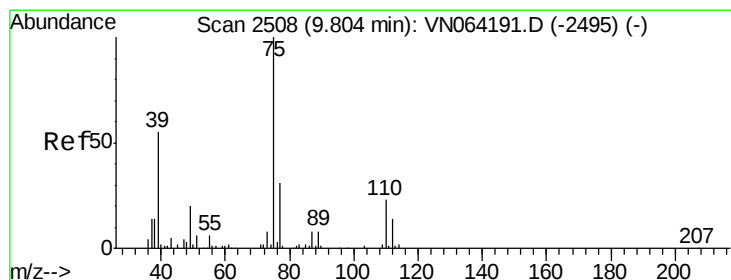
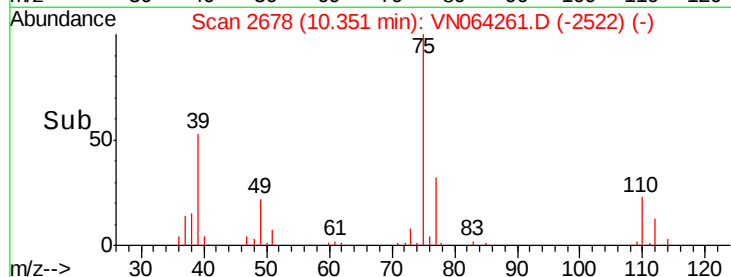
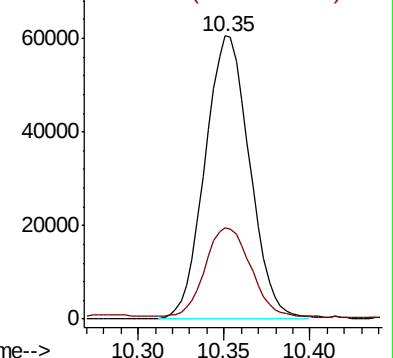
75 100

77 31.5 27.4 41.2



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 77.00 (76.70 to 77.70): VN0



#49

cis-1,3-Dichloropropene

Concen: 20.153 ug/l

RT: 9.81 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN064261.D

Acq: 22 Oct 2020 19:41

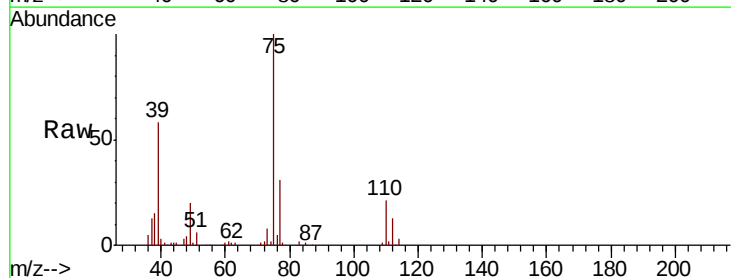
Tgt Ion: 75 Resp: 115266

Ion Ratio Lower Upper

75 100

77 30.3 24.5 36.7

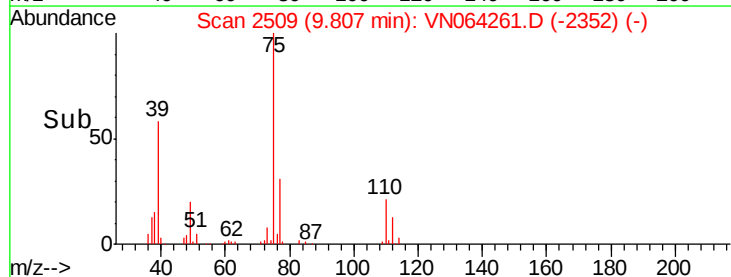
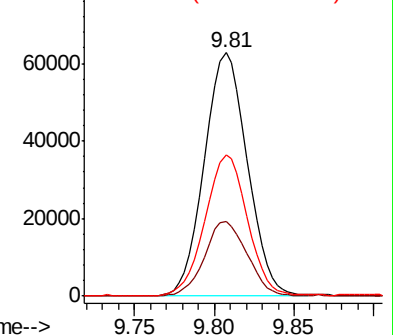
39 57.4 43.8 65.8

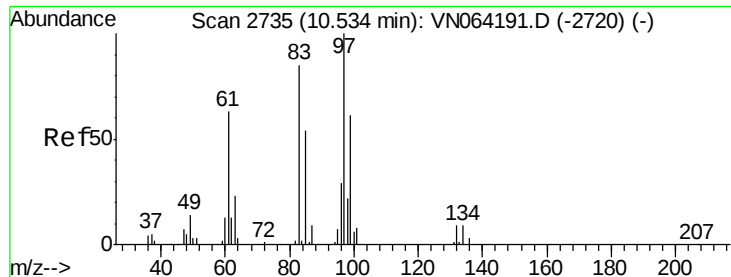


Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 77.00 (76.70 to 77.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

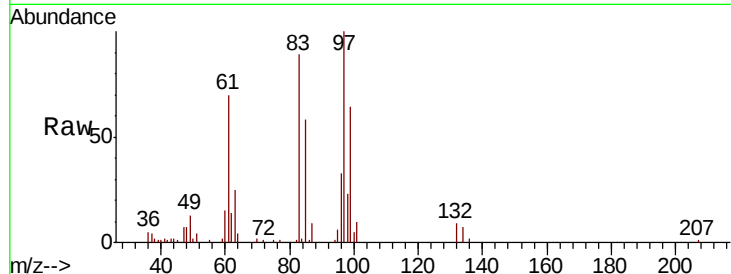




#50
 1,1,2-Trichloroethane
 Concen: 20.339 ug/l
 RT: 10.53 min Scan# 2734
 Delta R.T. -0.00 min
 Lab File: VN064261.D
 Acq: 22 Oct 2020 19:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1022WBSD01

Tot Ion	Ratio	Lower	Upper
97	100		
83	88.8	67.7	101.5
85	58.5	43.2	64.8
99	64.0	49.2	73.8



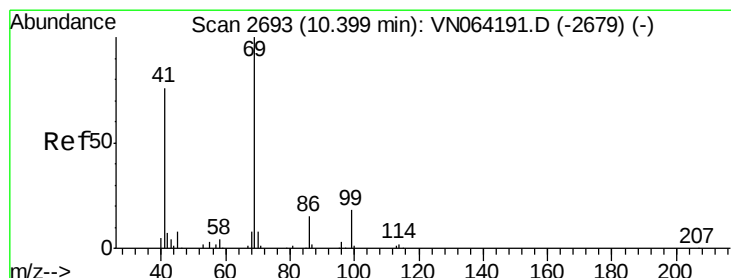
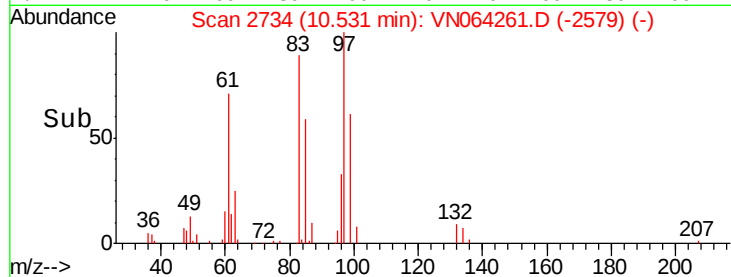
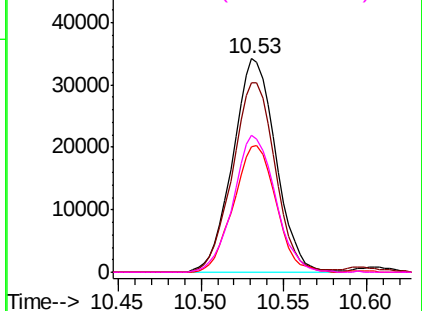
Abundance

Ion 97.00 (96.70 to 97.70): VNO

Ion 82.95 (82.65 to 83.65): VNO

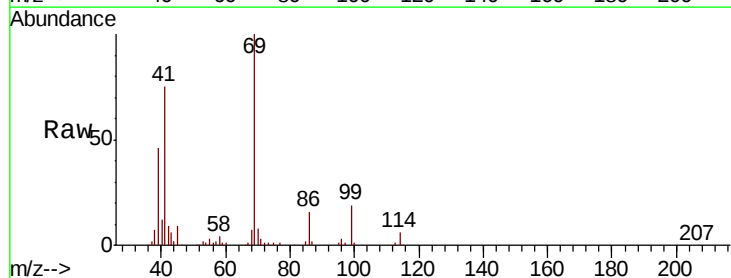
Ion 84.95 (84.65 to 85.65): VNO

Ion 98.95 (98.65 to 99.65): VNO



#51
 Ethyl methacrylate
 Concen: 19.918 ug/l
 RT: 10.40 min Scan# 2693
 Delta R.T. 0.00 min
 Lab File: VN064261.D
 Acq: 22 Oct 2020 19:41

Tgt Ion	Ratio	Lower	Upper
69	100		
41	74.1	38.0	114.1
39	45.8	21.4	64.3

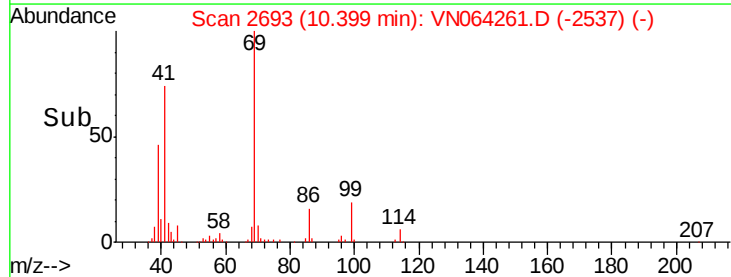
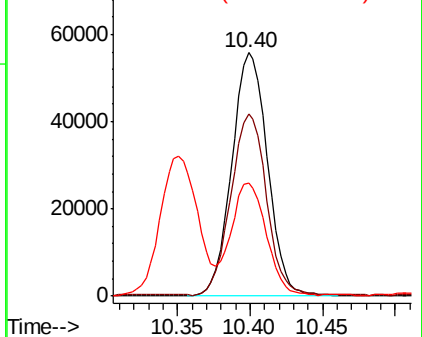


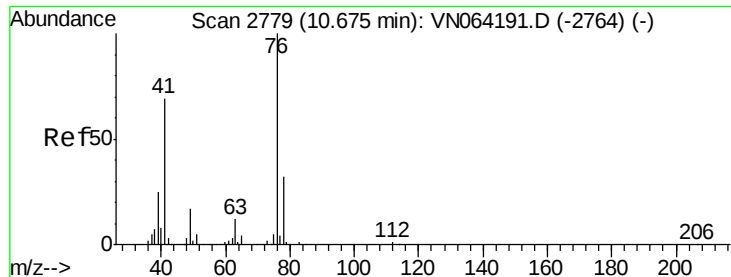
Abundance

Ion 69.00 (68.70 to 69.70): VNO

Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO





#52

1,3-Dichloropropane

Concen: 20.893 ug/l

RT: 10.68 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN064261.D

Acq: 22 Oct 2020 19:41

Instrument :

MSVOA_N

ClientSampleId :

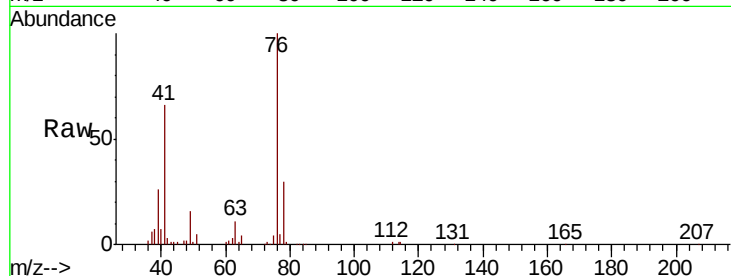
VN1022WBSD01

Tot Ion: 76 Resp: 109444

Ion Ratio Lower Upper

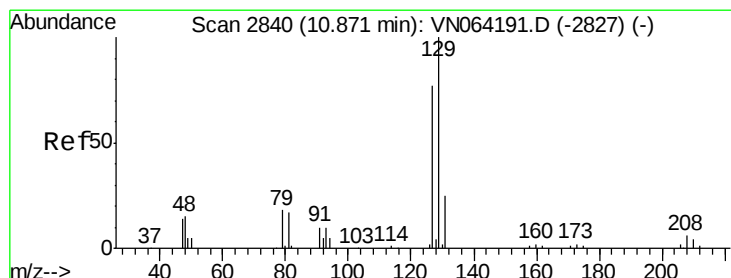
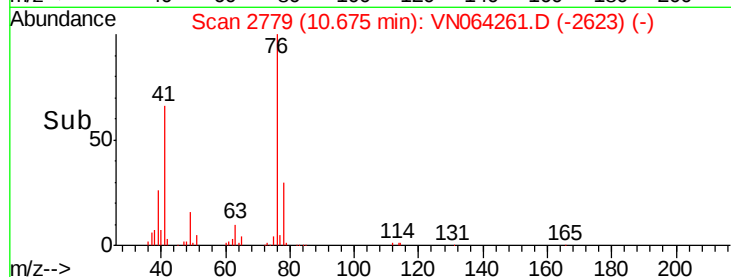
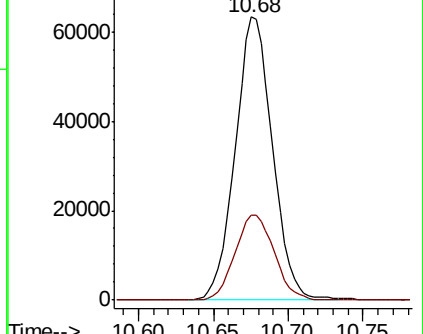
76 100

78 31.6 0.0 64.4



Abundance Ion 76.00 (75.70 to 76.70): VN064191.D (-2764) (-)

Ion 78.00 (77.70 to 78.70): VN064191.D (-2764) (-)



#53

Dibromochloromethane

Concen: 20.452 ug/l

RT: 10.87 min Scan# 2840

Delta R.T. 0.00 min

Lab File: VN064261.D

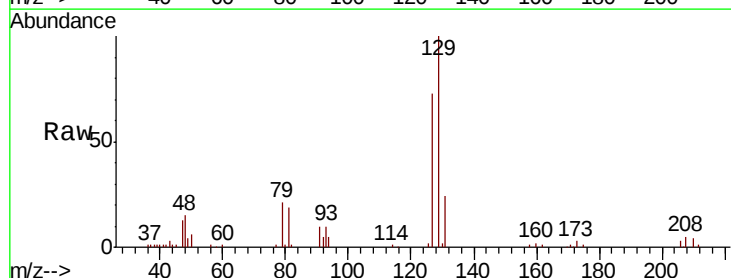
Acq: 22 Oct 2020 19:41

Tgt Ion: 129 Resp: 78213

Ion Ratio Lower Upper

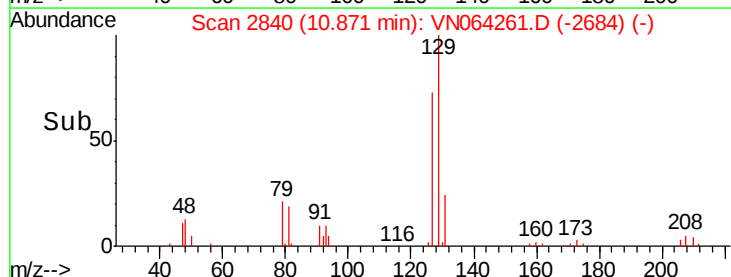
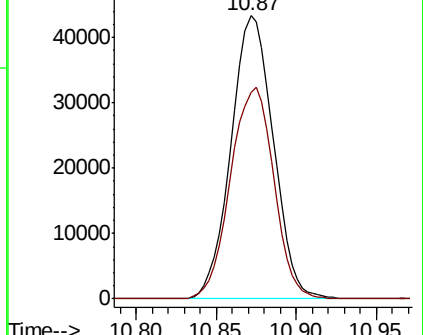
129 100

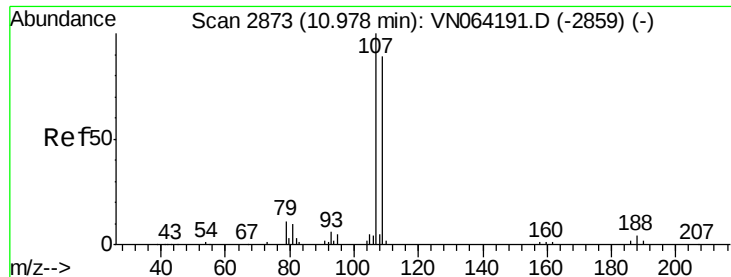
127 76.5 39.0 117.0



Abundance Ion 129.00 (128.70 to 129.70): VN064191.D (-2827) (-)

Ion 127.00 (126.70 to 127.70): VN064191.D (-2827) (-)

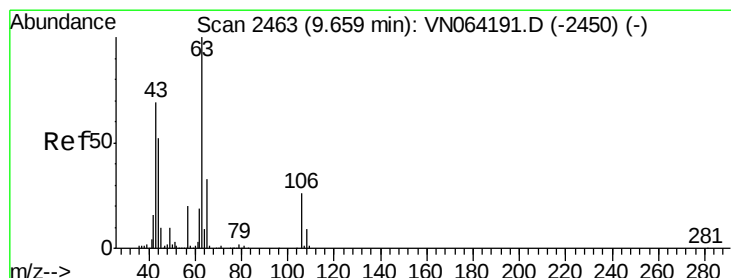
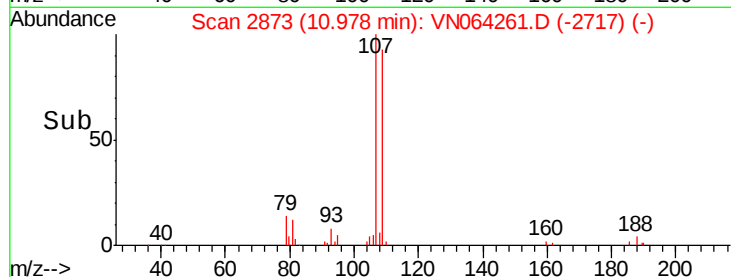
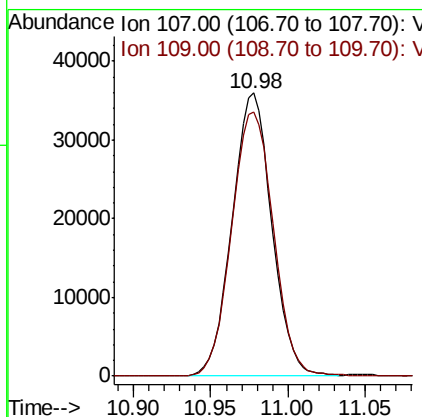
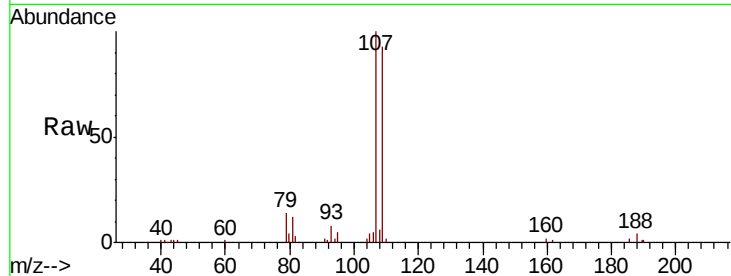




#54
 1,2-Dibromoethane
 Concen: 19.820 ug/l
 RT: 10.98 min Scan# 2873
 Delta R.T. 0.00 min
 Lab File: VN064261.D
 Acq: 22 Oct 2020 19:41

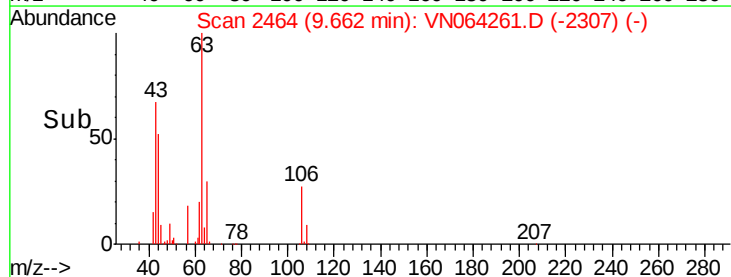
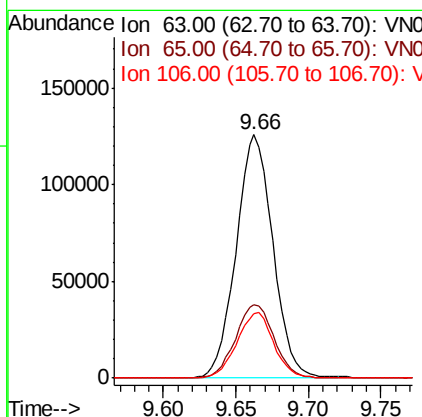
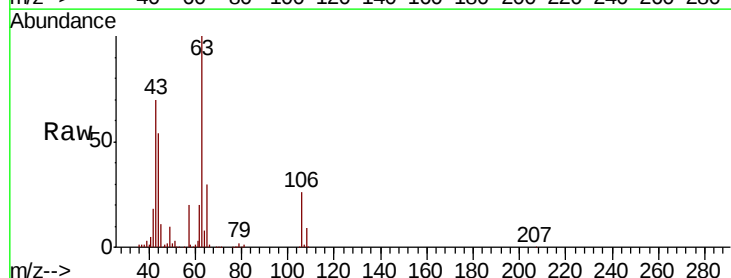
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1022WBSD01

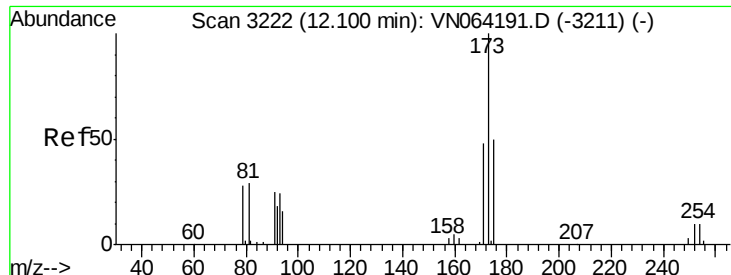
Tot Ion:107 Resp: 64012
 Ion Ratio Lower Upper
 107 100
 109 98.5 71.8 107.8



#55
 2-Chloroethyl vinyl ether
 Concen: 94.033 ug/l
 RT: 9.66 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN064261.D
 Acq: 22 Oct 2020 19:41

Tgt Ion: 63 Resp: 222047
 Ion Ratio Lower Upper
 63 100
 65 31.5 25.9 38.9
 106 27.0 21.4 32.2

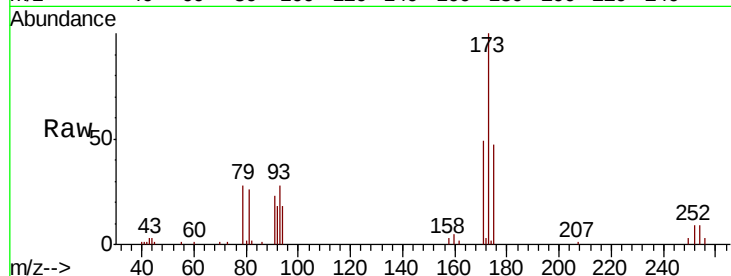




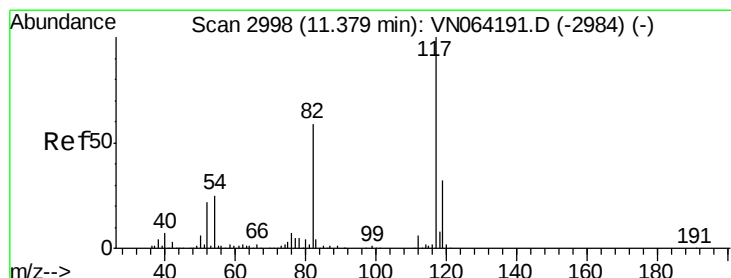
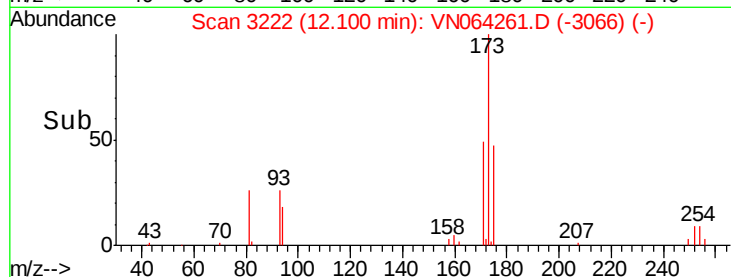
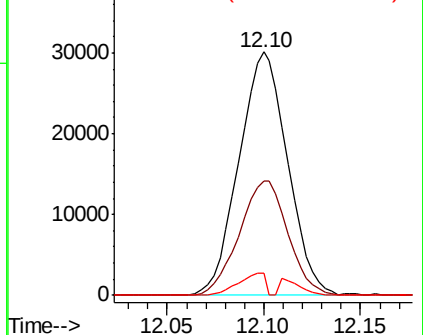
#56
Bromoform
Concen: 19.738 ug/l
RT: 12.10 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN064261.D
Acq: 22 Oct 2020 19:41

Instrument :
MSVOA_N
ClientSampleId :
VN1022WBSD01

Tot Ion:173 Resp: 52567
Ion Ratio Lower Upper
173 100
175 47.2 39.0 58.4
254 5.0 6.8 10.2#

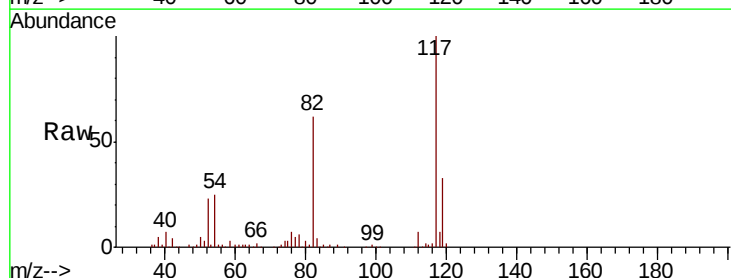


Abundance Ion 173.00 (172.70 to 173.70): V
Ion 175.00 (174.70 to 175.70): V
Ion 254.00 (253.70 to 254.70): V

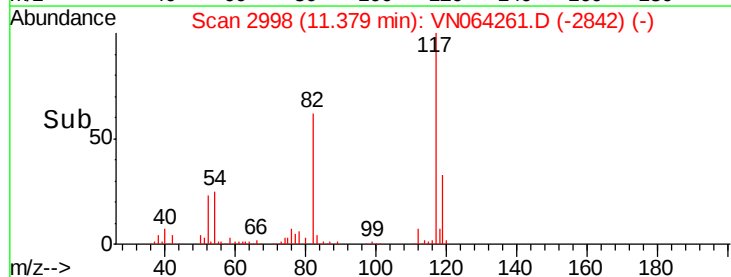
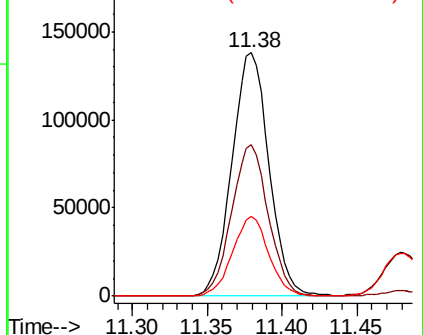


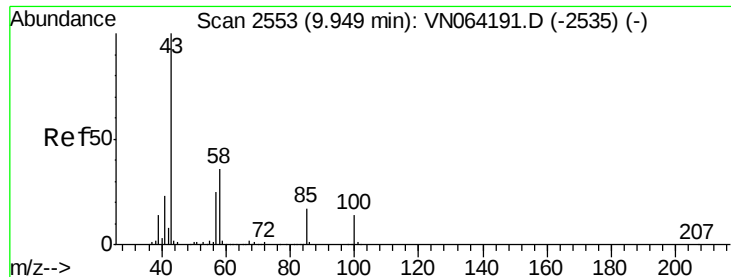
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN064261.D
Acq: 22 Oct 2020 19:41

Tgt Ion:117 Resp: 238676
Ion Ratio Lower Upper
117 100
82 61.4 47.8 71.8
119 31.9 25.7 38.5



Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): V
Ion 119.00 (118.70 to 119.70): V

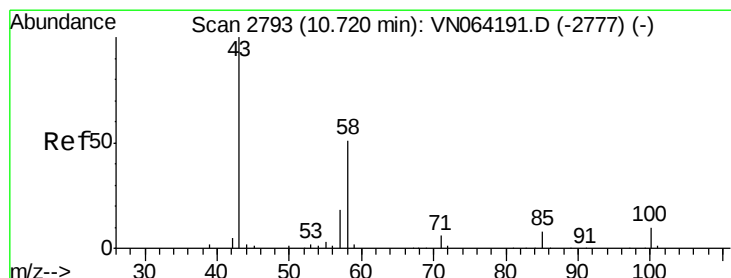
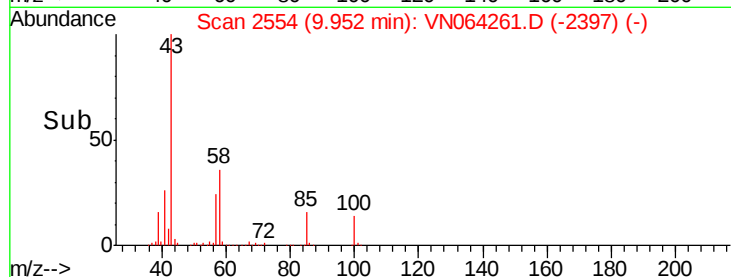
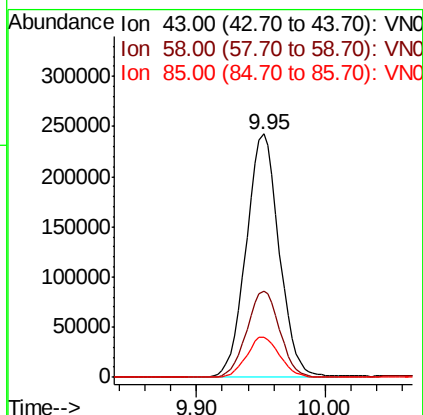
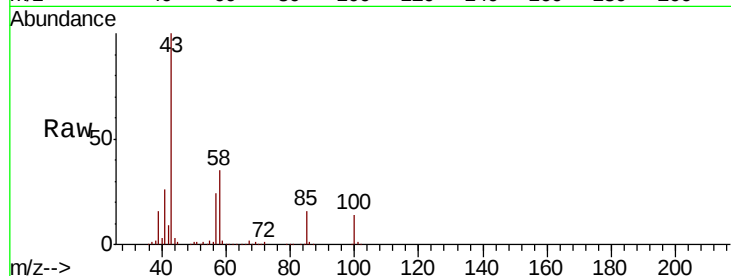




#58
4-Methyl-2-Pentanone
Concen: 106.134 ug/l
RT: 9.95 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN064261.D
Acq: 22 Oct 2020 19:41

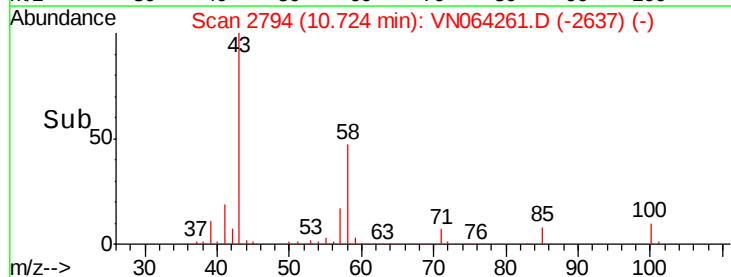
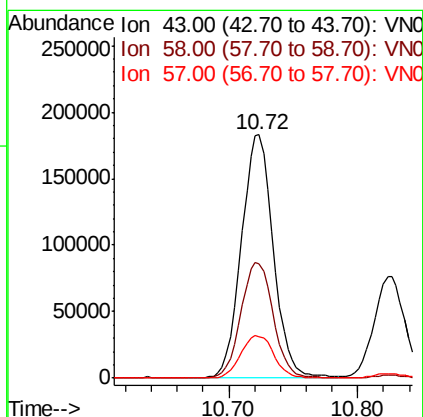
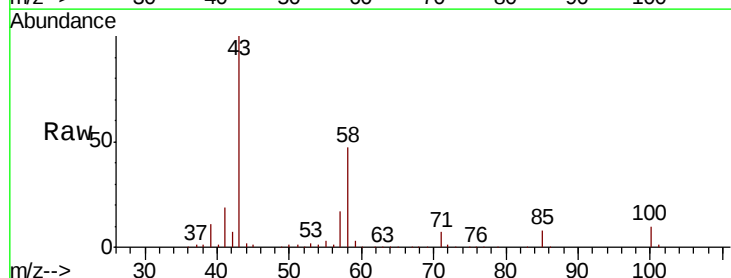
Instrument :
MSVOA_N
ClientSampleId :
VN1022WBSD01

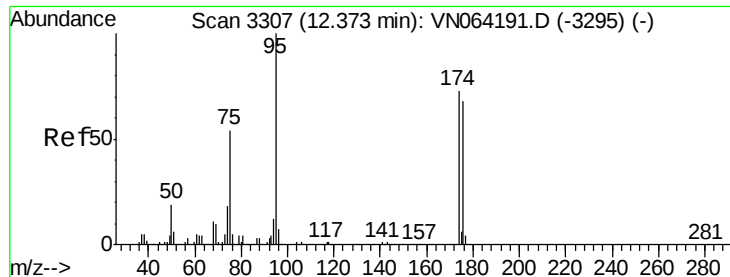
Tot Ion: 43 Resp: 429261
Ion Ratio Lower Upper
43 100
58 35.7 29.5 44.3
85 16.6 13.7 20.5



#59
2-Hexanone
Concen: 104.496 ug/l
RT: 10.72 min Scan# 2794
Delta R.T. 0.00 min
Lab File: VN064261.D
Acq: 22 Oct 2020 19:41

Tgt Ion: 43 Resp: 313762
Ion Ratio Lower Upper
43 100
58 48.4 40.2 60.4
57 18.3 14.8 22.2

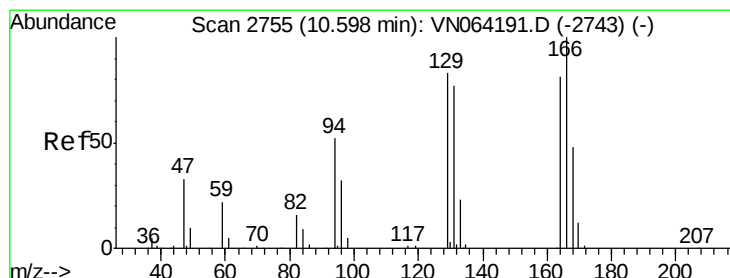
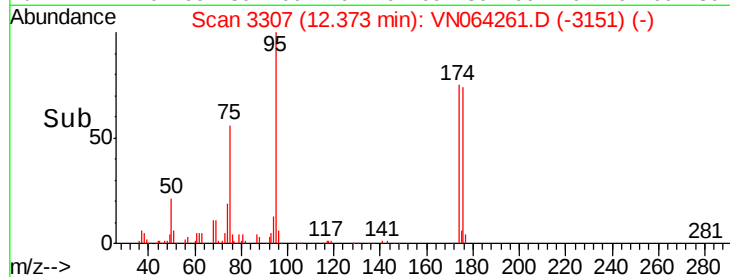
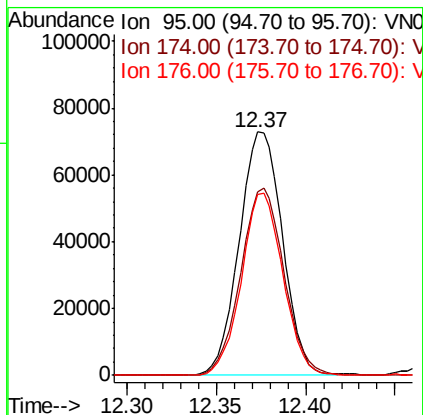
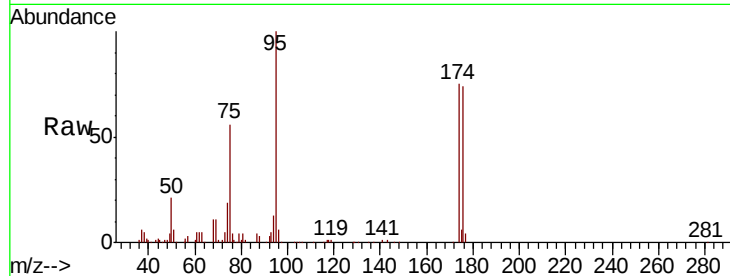




#60
4-Bromofluorobenzene
Concen: 28.998 ug/l
RT: 12.37 min Scan# 3307
Delta R.T. 0.00 min
Lab File: VN064261.D
Acq: 22 Oct 2020 19:41

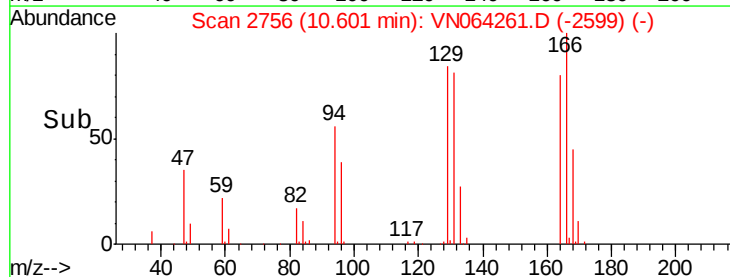
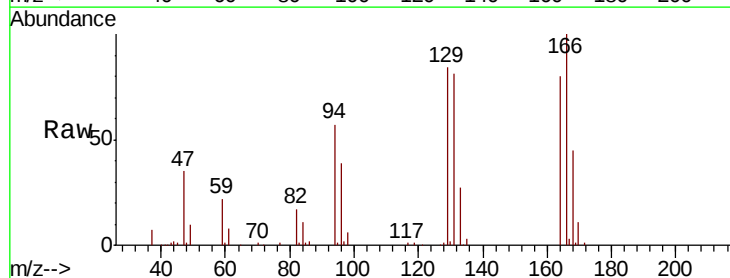
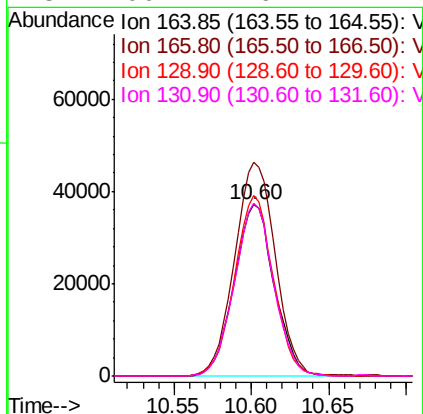
Instrument :
MSVOA_N
ClientSampleId :
VN1022WBSD01

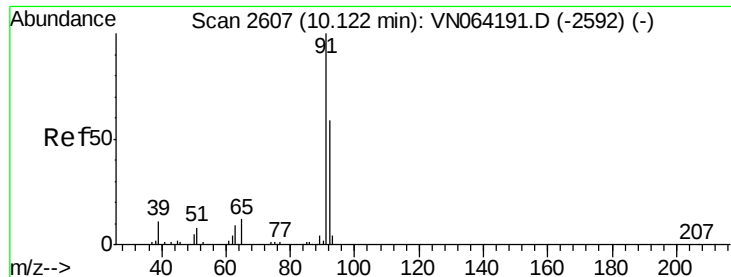
Tot Ion: 95 Resp: 124031
Ion Ratio Lower Upper
95 100
174 76.8 57.6 86.4
176 71.7 54.9 82.3



#61
Tetrachloroethene
Concen: 20.835 ug/l
RT: 10.60 min Scan# 2756
Delta R.T. 0.00 min
Lab File: VN064261.D
Acq: 22 Oct 2020 19:41

Tgt Ion: 164 Resp: 67037
Ion Ratio Lower Upper
164 100
166 124.8 99.2 148.8
129 105.2 82.8 124.2
131 100.7 76.2 114.4





#62

Toluene

Concen: 19.756 ug/l

RT: 10.13 min Scan# 2608

Delta R.T. 0.00 min

Lab File: VN064261.D

Acq: 22 Oct 2020 19:41

Instrument :

MSVOA_N

ClientSampleId :

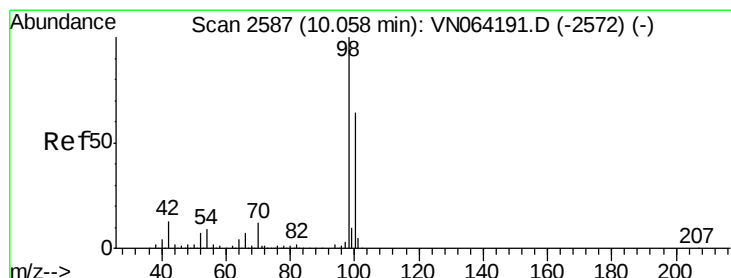
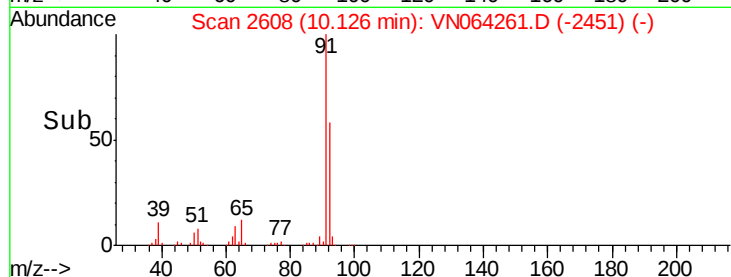
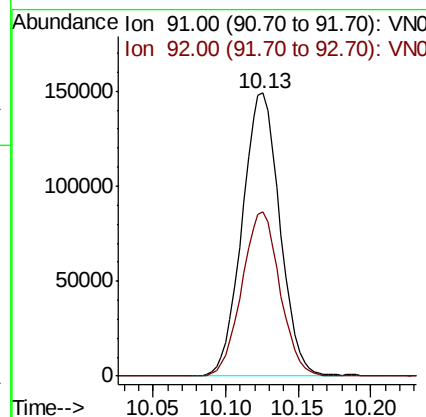
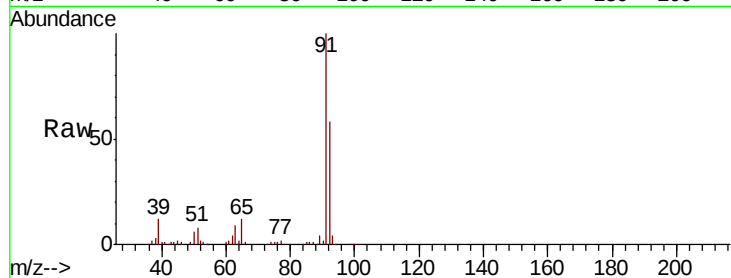
VN1022WBSD01

Tot Ion: 91 Resp: 269562

Ion Ratio Lower Upper

91 100

92 58.6 46.8 70.2



#63

Toluene-d8

Concen: 29.618 ug/l

RT: 10.06 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN064261.D

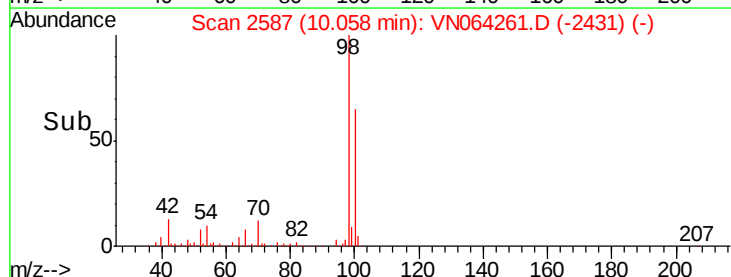
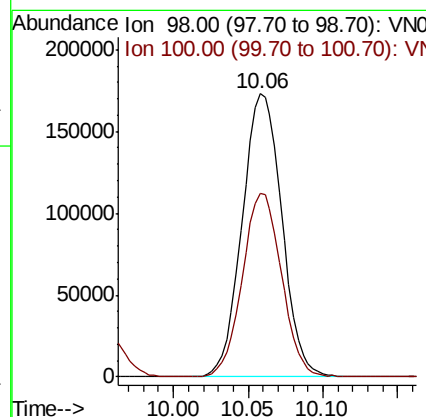
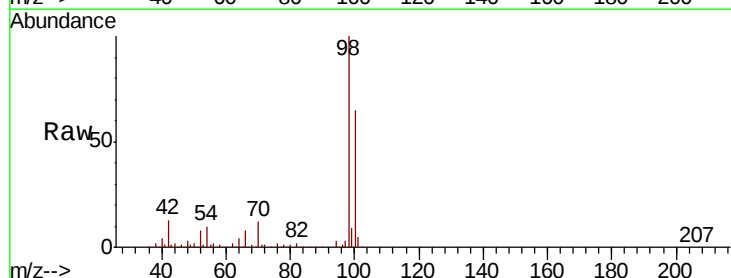
Acq: 22 Oct 2020 19:41

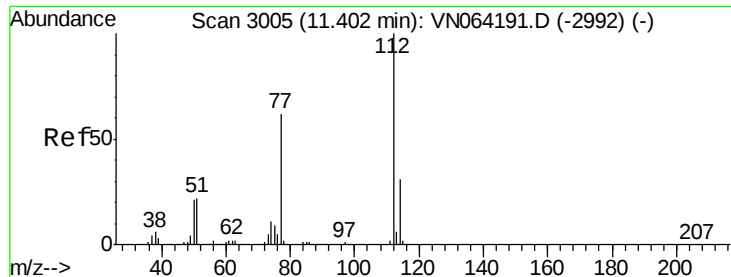
Tgt Ion: 98 Resp: 320042

Ion Ratio Lower Upper

98 100

100 63.5 51.4 77.2





#64

Chlorobenzene

Concen: 20.140 ug/l

RT: 11.41 min Scan# 3006

Delta R.T. 0.00 min

Lab File: VN064261.D

Acq: 22 Oct 2020 19:41

Instrument :

MSVOA_N

ClientSampleId :

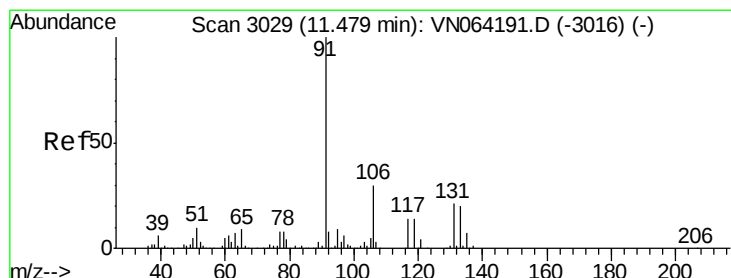
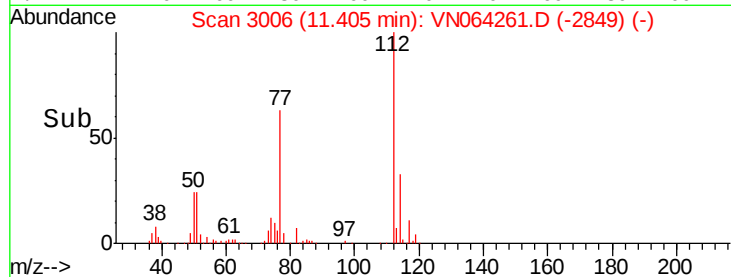
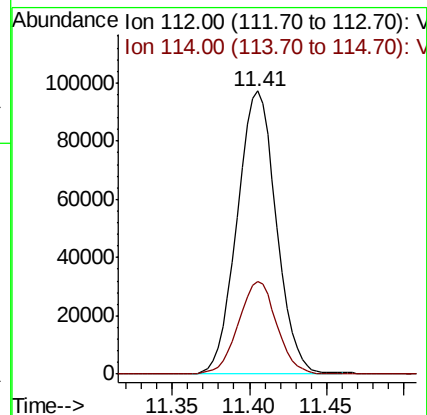
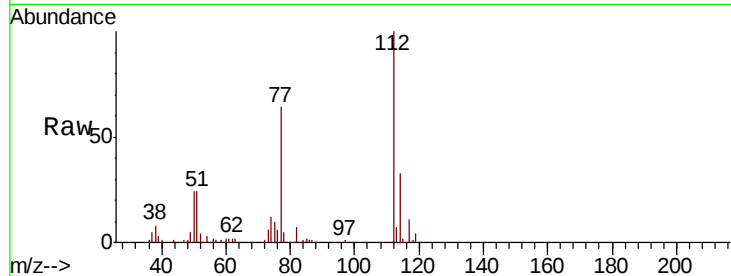
VN1022WBSD01

Tot Ion:112 Resp: 171133

Ion Ratio Lower Upper

112 100

114 32.9 25.1 37.7



#65

1,1,1,2-Tetrachloroethane

Concen: 20.572 ug/l

RT: 11.48 min Scan# 3029

Delta R.T. 0.00 min

Lab File: VN064261.D

Acq: 22 Oct 2020 19:41

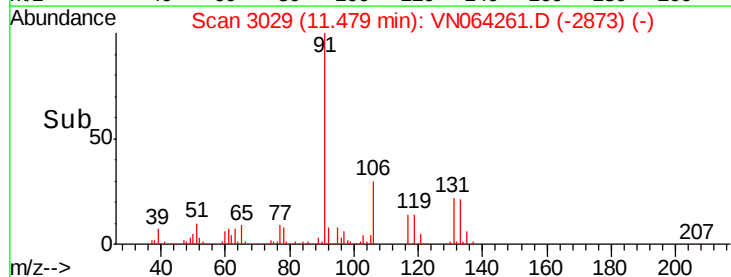
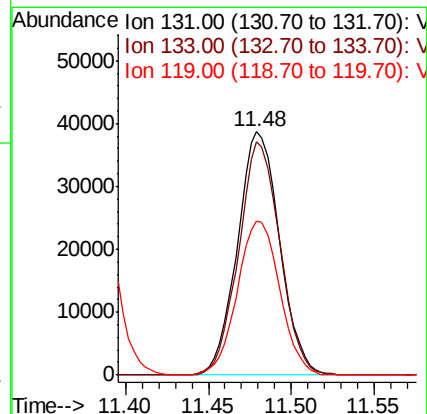
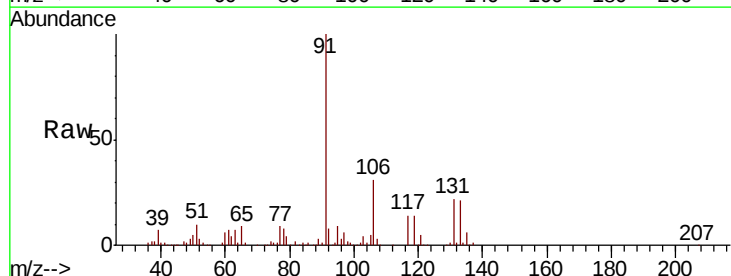
Tgt Ion:131 Resp: 68491

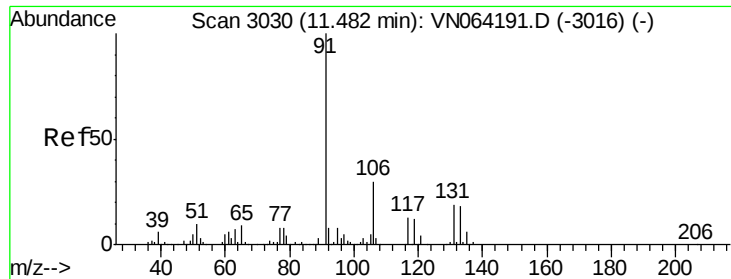
Ion Ratio Lower Upper

131 100

133 93.7 0.0 193.0

119 63.7 0.0 132.2

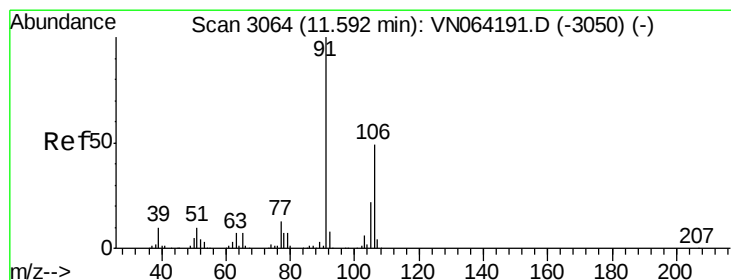
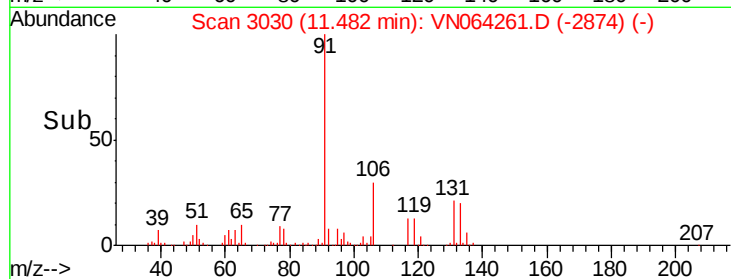
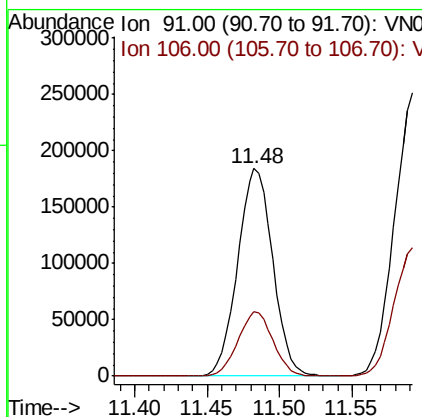
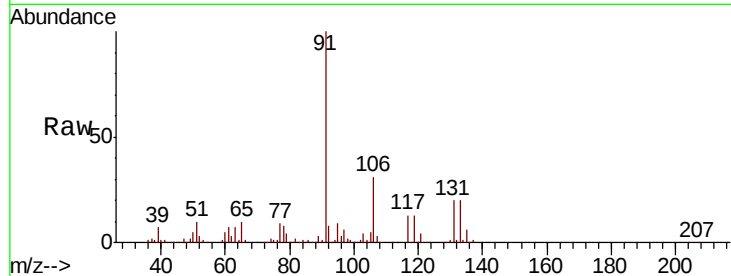




#66
Ethyl Benzene
Concen: 19.840 ug/l
RT: 11.48 min Scan# 3030
Delta R.T. 0.00 min
Lab File: VN064261.D
Acq: 22 Oct 2020 19:41

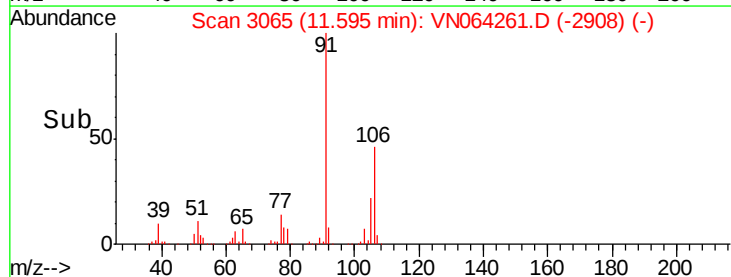
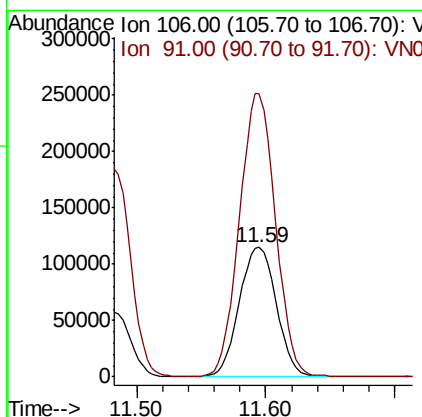
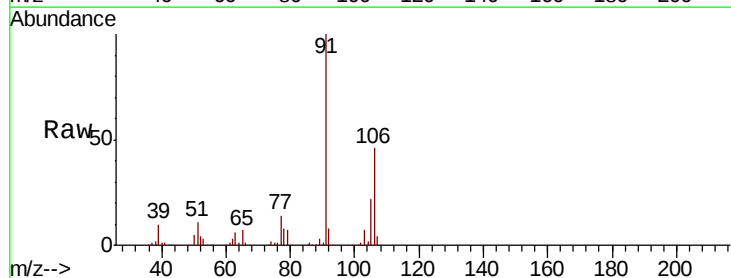
Instrument :
MSVOA_N
ClientSampled :
VN102WBSD01

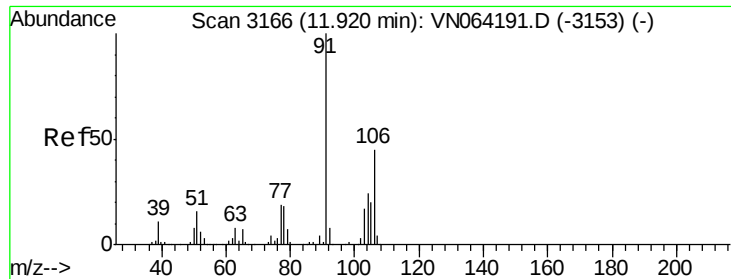
Tot Ion: 91 Resp: 311235
Ion Ratio Lower Upper
91 100
106 31.2 23.9 35.9



#67
m/p-Xylenes
Concen: 39.609 ug/l
RT: 11.59 min Scan# 3065
Delta R.T. 0.00 min
Lab File: VN064261.D
Acq: 22 Oct 2020 19:41

Tgt Ion: 106 Resp: 231090
Ion Ratio Lower Upper
106 100
91 211.4 167.9 251.9

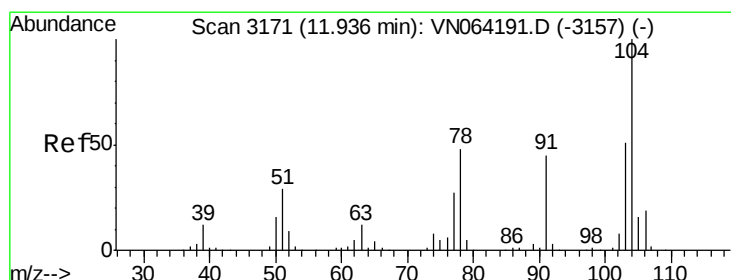
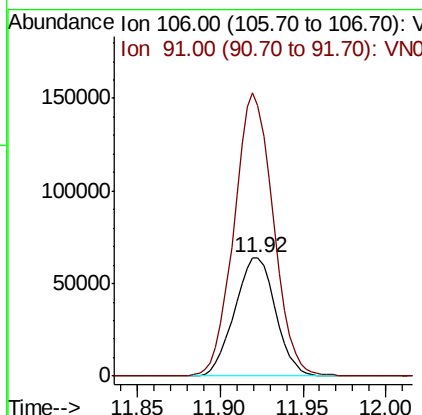
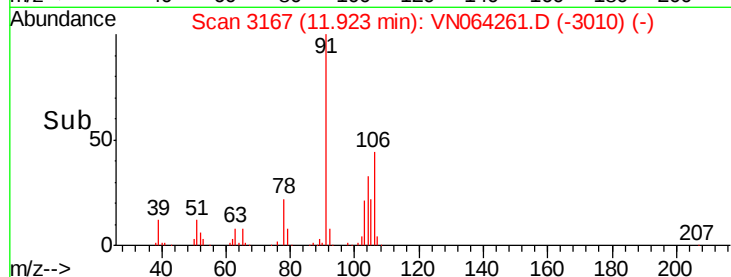
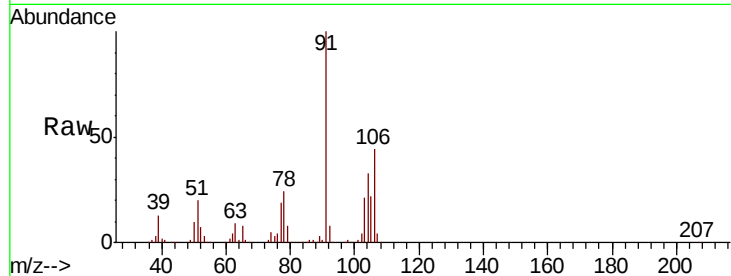




#68
o-Xylene
Concen: 19.377 ug/l
RT: 11.92 min Scan# 3167
Delta R.T. 0.00 min
Lab File: VN064261.D
Acq: 22 Oct 2020 19:41

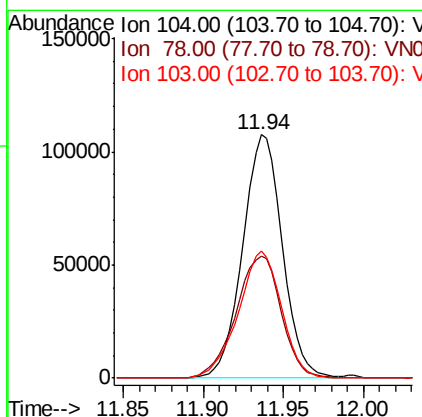
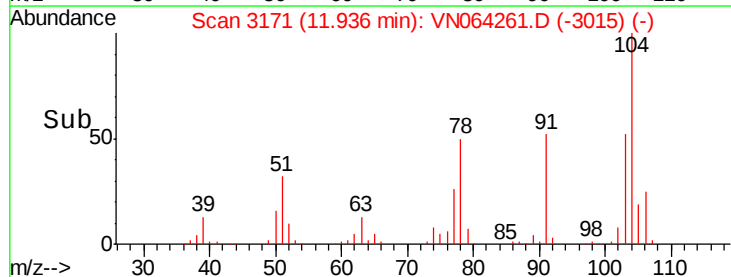
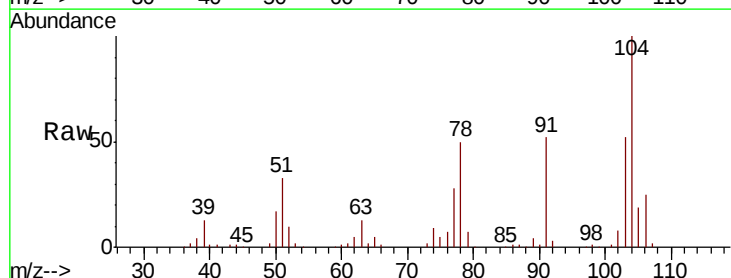
Instrument :
MSVOA_N
ClientSampleId :
VN1022WBSD01

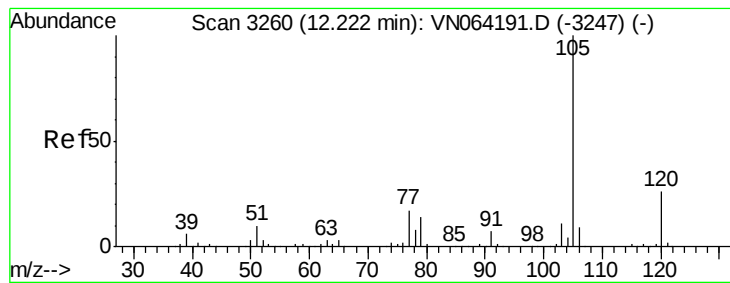
Tot Ion:106 Resp: 109705
Ion Ratio Lower Upper
106 100
91 228.9 113.9 341.7



#69
Styrene
Concen: 19.032 ug/l
RT: 11.94 min Scan# 3171
Delta R.T. 0.00 min
Lab File: VN064261.D
Acq: 22 Oct 2020 19:41

Tgt Ion:104 Resp: 182292
Ion Ratio Lower Upper
104 100
78 57.3 43.6 65.4
103 56.5 44.8 67.2





#70

Isopropylbenzene

Concen: 20.238 ug/l

RT: 12.22 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN064261.D

Acq: 22 Oct 2020 19:41

Instrument :

MSVOA_N

ClientSampleId :

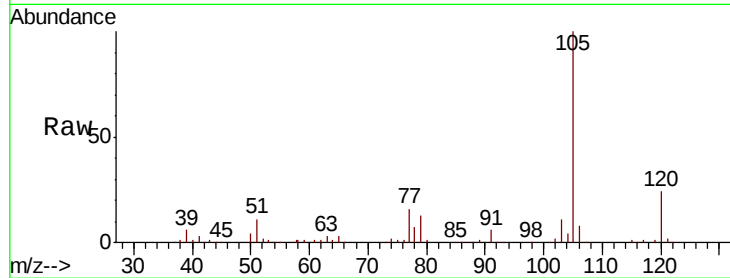
VN1022WBSD01

Tot Ion:105 Resp: 302612

Ion Ratio Lower Upper

105 100

120 25.1 18.1 33.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

200000

150000

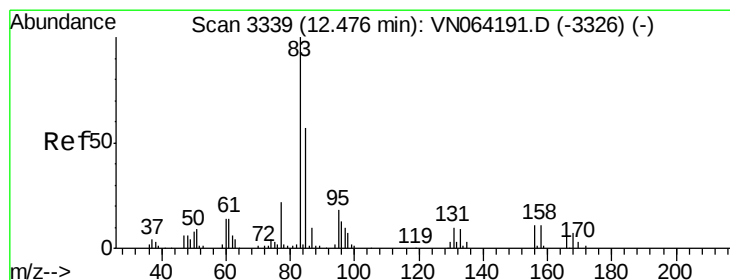
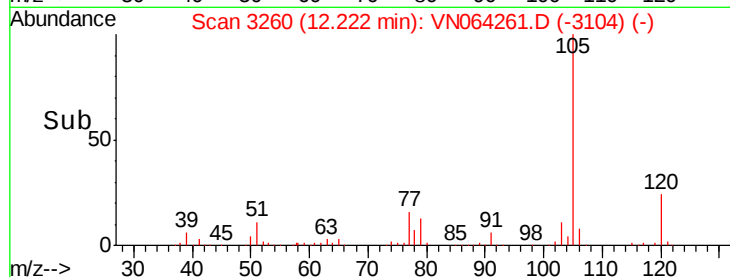
100000

50000

0

12.15 12.20 12.25 12.30

Time-->



#71

1,1,2,2-Tetrachloroethane

Concen: 19.625 ug/l

RT: 12.48 min Scan# 3340

Delta R.T. 0.00 min

Lab File: VN064261.D

Acq: 22 Oct 2020 19:41

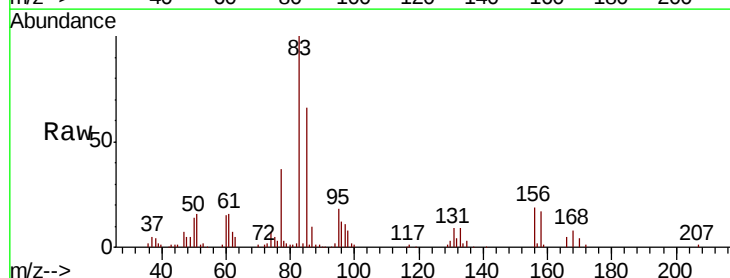
Tgt Ion: 83 Resp: 80411

Ion Ratio Lower Upper

83 100

131 9.9 5.5 16.4

85 67.5 30.8 92.4



Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VN0

60000

50000

40000

30000

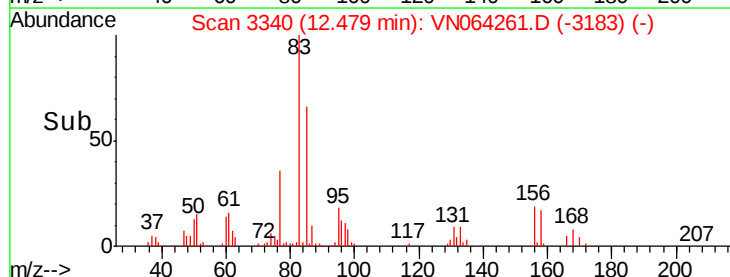
20000

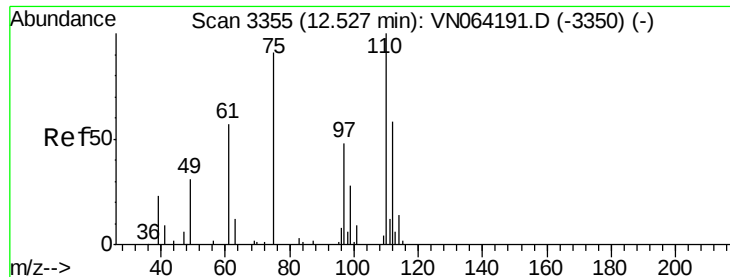
10000

0

12.40 12.45 12.50

Time-->





#72

1,2,3-Trichloropropane

Concen: 28.768 ug/l

RT: 12.53 min Scan# 3355

Delta R.T. 0.00 min

Lab File: VN064261.D

Acq: 22 Oct 2020 19:41

Instrument :

MSVOA_N

ClientSampleId :

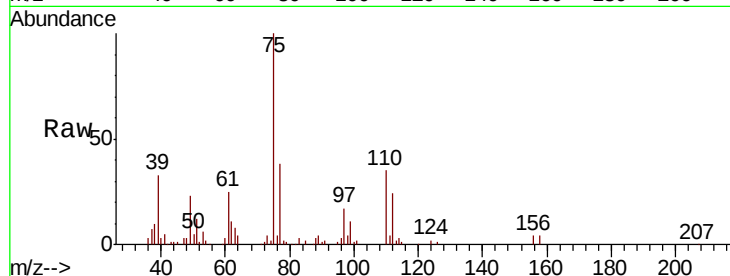
VN1022WBSD01

Tot Ion: 75 Resp: 123006

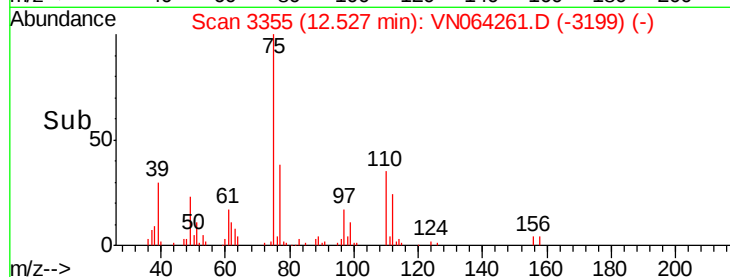
Ion Ratio Lower Upper

75 100

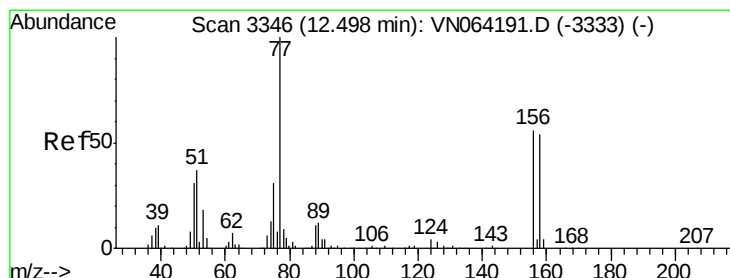
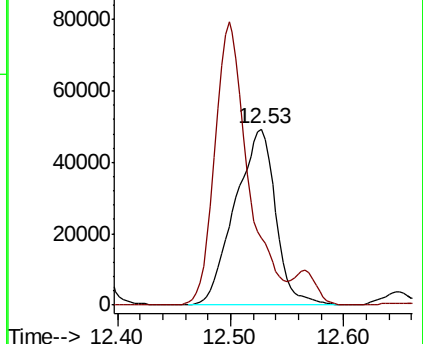
77 132.2 0.0 417.6



Abundance Ion 75.00 (74.70 to 75.70): VN064261.D (-3199) (-)



Ion 77.00 (76.70 to 77.70): VN064261.D (-3199) (-)



#73

Bromobenzene

Concen: 20.122 ug/l

RT: 12.50 min Scan# 3346

Delta R.T. 0.00 min

Lab File: VN064261.D

Acq: 22 Oct 2020 19:41

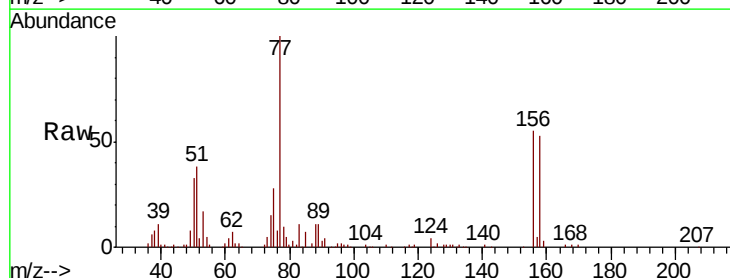
Tgt Ion: 156 Resp: 72553

Ion Ratio Lower Upper

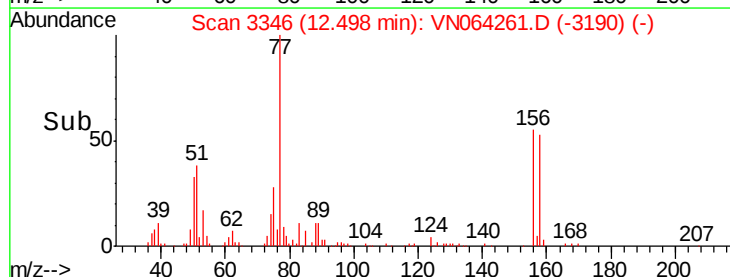
156 100

77 224.1 0.0 429.8

158 95.1 0.0 190.6

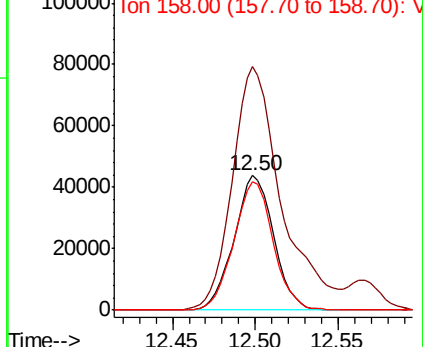


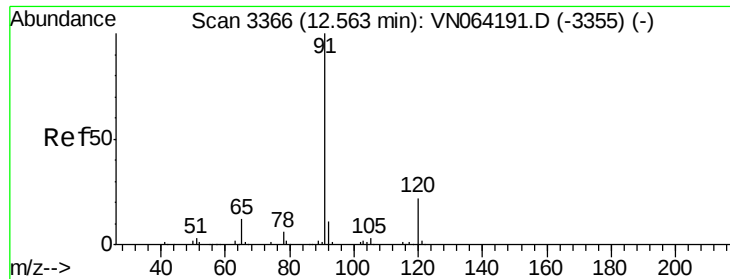
Abundance Ion 156.00 (155.70 to 156.70): VN064261.D (-3190) (-)



Ion 77.00 (76.70 to 77.70): VN064261.D (-3190) (-)

Ion 158.00 (157.70 to 158.70): VN064261.D (-3190) (-)





#74

n-propylbenzene

Concen: 19.635 ug/l

RT: 12.57 min Scan# 3367

Delta R.T. 0.00 min

Lab File: VN064261.D

Acq: 22 Oct 2020 19:41

Instrument :

MSVOA_N

ClientSampleId :

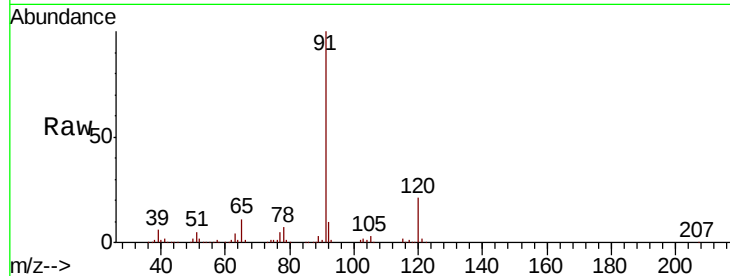
VN1022WBSD01

Tot Ion: 91 Resp: 335074

Ion Ratio Lower Upper

91 100

120 22.5 0.0 43.8



Abundance Ion 91.00 (90.70 to 91.70): VN064261.D (-3366) (-)

Ion 120.00 (119.70 to 120.70): VN064261.D (-3366) (-)

12.57

200000

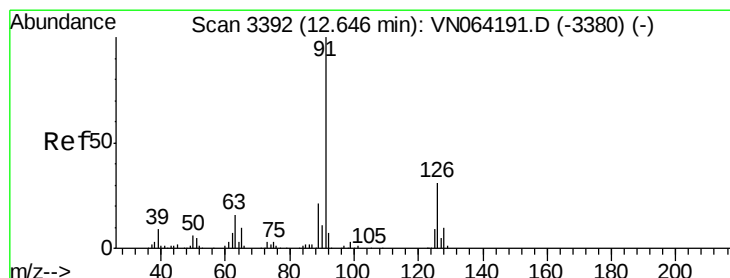
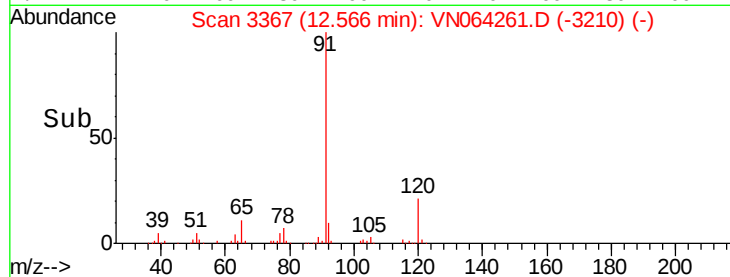
150000

100000

50000

0

Time-->



#75

2-Chlorotoluene

Concen: 20.219 ug/l

RT: 12.65 min Scan# 3392

Delta R.T. 0.00 min

Lab File: VN064261.D

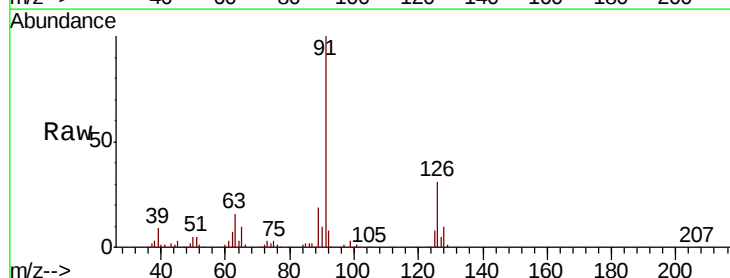
Acq: 22 Oct 2020 19:41

Tgt Ion: 91 Resp: 213595

Ion Ratio Lower Upper

91 100

126 31.1 0.0 62.4



Abundance Ion 91.00 (90.70 to 91.70): VN064261.D (-3392) (-)

Ion 126.00 (125.70 to 126.70): VN064261.D (-3392) (-)

12.65

200000

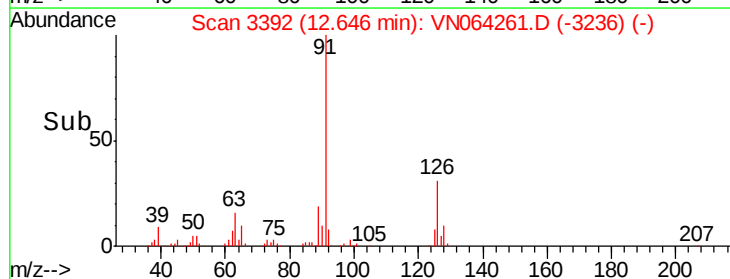
150000

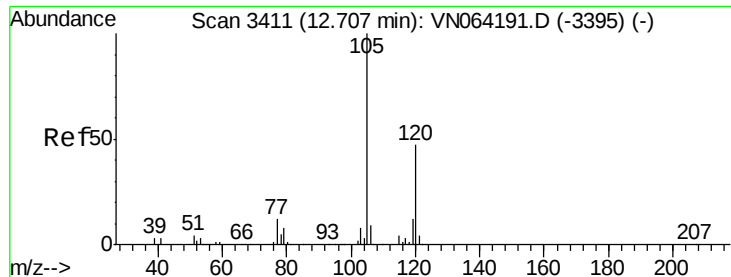
100000

50000

0

Time-->





#76

1,3,5-Trimethylbenzene

Concen: 19.682 ug/l

RT: 12.71 min Scan# 3411

Delta R.T. 0.00 min

Lab File: VN064261.D

Acq: 22 Oct 2020 19:41

Instrument :

MSVOA_N

ClientSampleId :

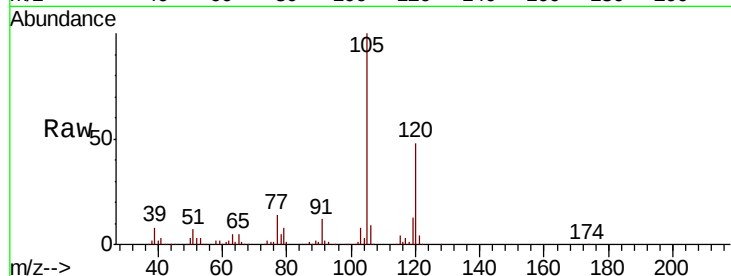
VN102WBSD01

Tot Ion:105 Resp: 250420

Ion Ratio Lower Upper

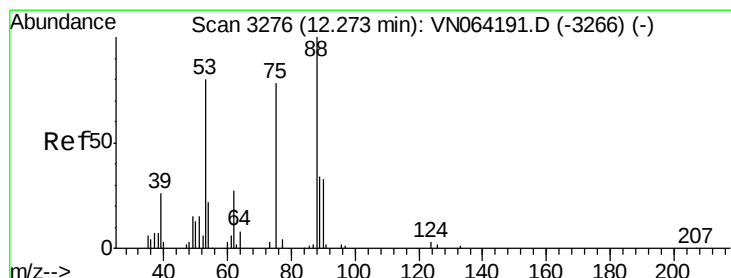
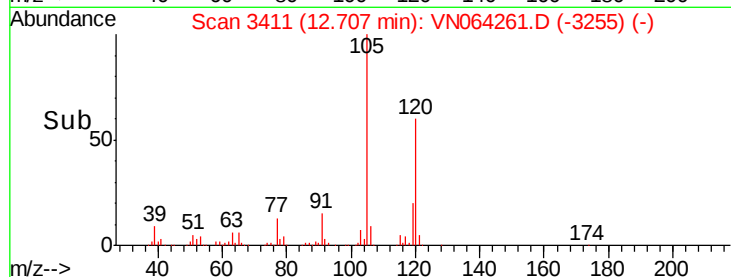
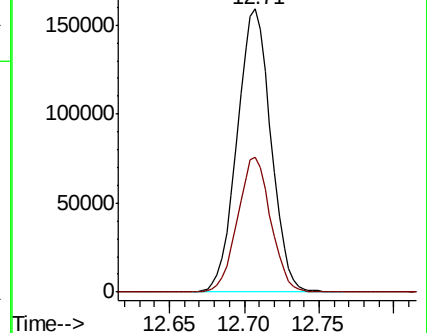
105 100

120 46.7 0.0 95.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#77

t-1,4-Dichloro-2-butene

Concen: 17.668 ug/l

RT: 12.27 min Scan# 3276

Delta R.T. 0.00 min

Lab File: VN064261.D

Acq: 22 Oct 2020 19:41

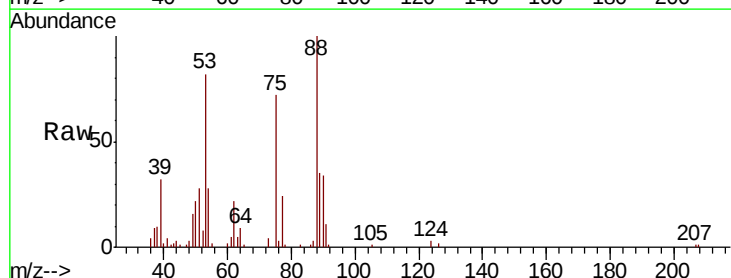
Tgt Ion: 75 Resp: 29537

Ion Ratio Lower Upper

75 100

53 110.6 51.4 154.2

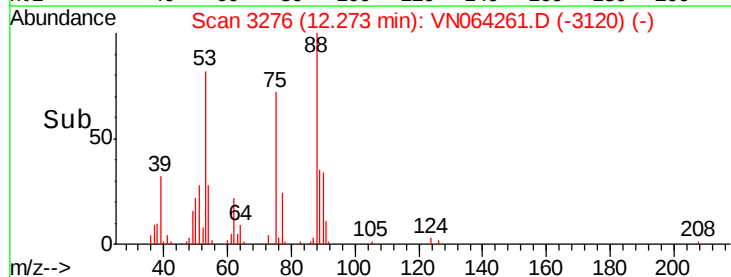
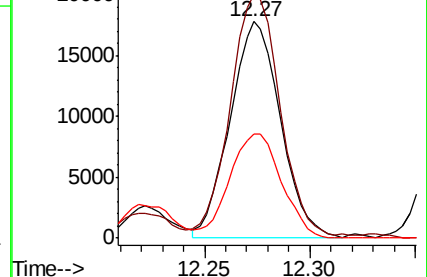
89 48.0 23.8 71.5

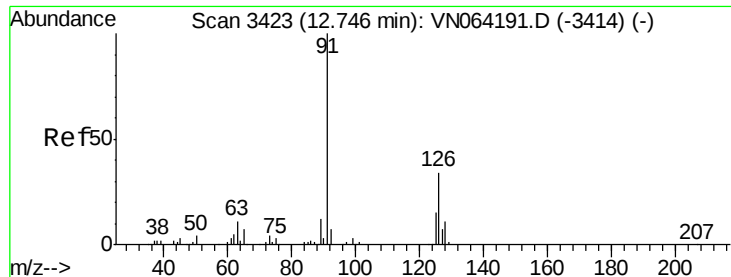


Abundance Ion 75.00 (74.70 to 75.70): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 89.00 (88.70 to 89.70): VNO





#78

4-Chlorotoluene

Concen: 20.091 ug/l

RT: 12.75 min Scan# 3423

Delta R.T. 0.00 min

Lab File: VN064261.D

Acq: 22 Oct 2020 19:41

Instrument :

MSVOA_N

ClientSampled :

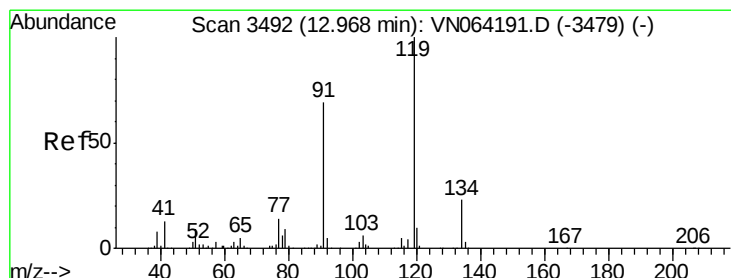
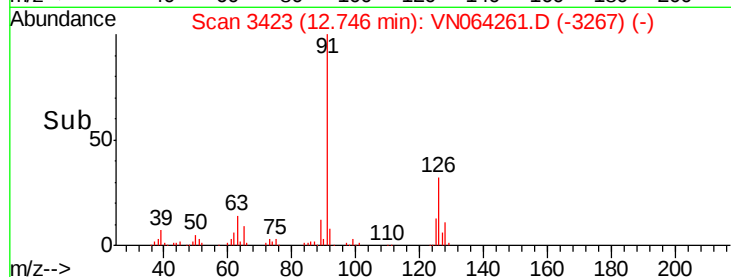
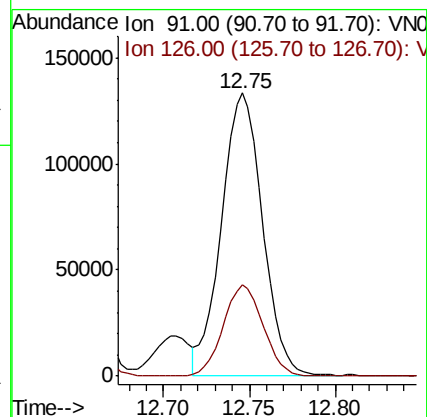
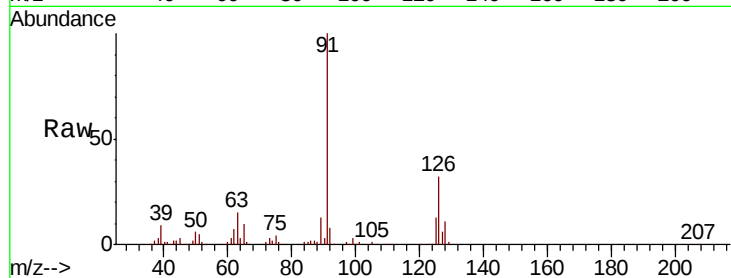
VN1022WBSD01

Tot Ion: 91 Resp: 222017

Ion Ratio Lower Upper

91 100

126 31.4 0.0 63.2



#79

tert-butylbenzene

Concen: 19.737 ug/l

RT: 12.97 min Scan# 3492

Delta R.T. 0.00 min

Lab File: VN064261.D

Acq: 22 Oct 2020 19:41

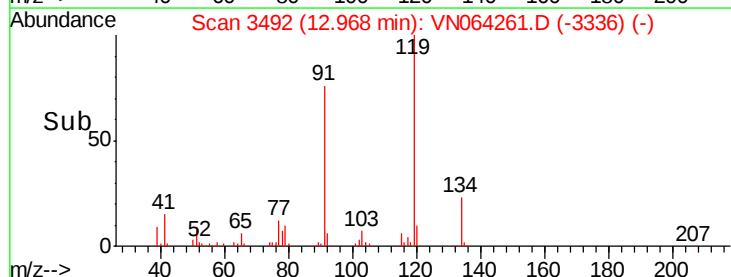
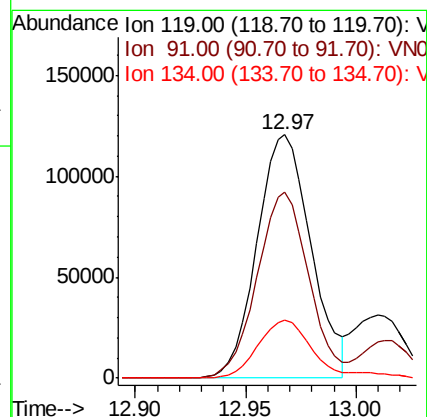
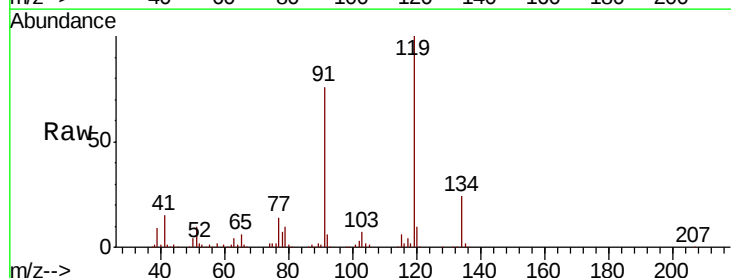
Tgt Ion: 119 Resp: 205302

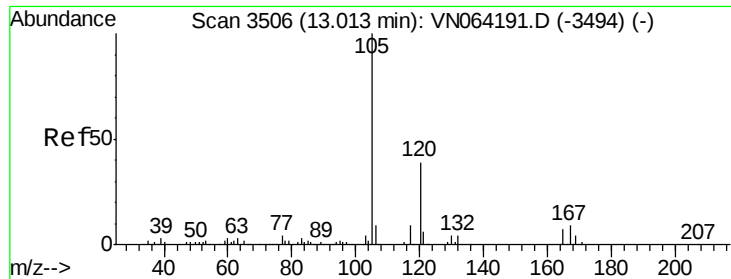
Ion Ratio Lower Upper

119 100

91 73.4 0.0 143.2

134 23.2 0.0 49.2

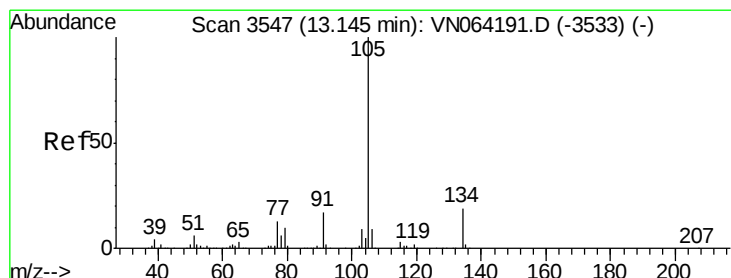
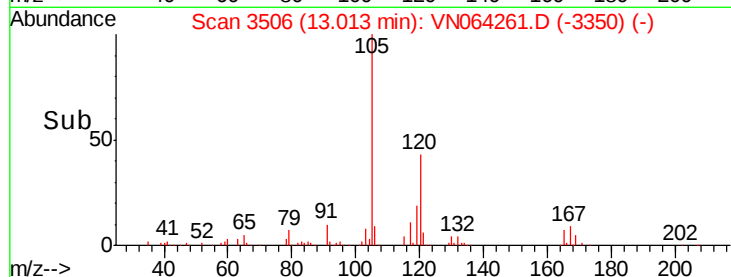
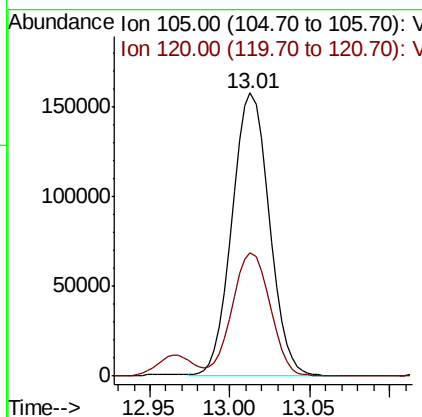
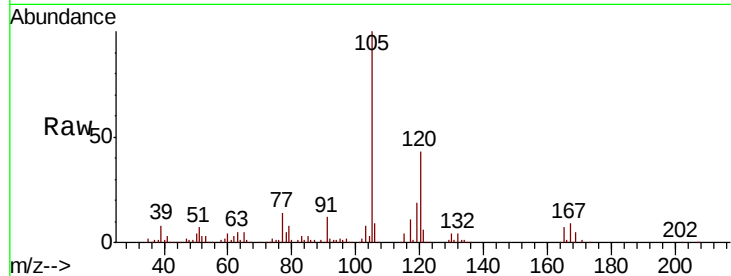




#80
 1,2,4-Trimethylbenzene
 Concen: 19.434 ug/l
 RT: 13.01 min Scan# 3506
 Delta R.T. 0.00 min
 Lab File: VN064261.D
 Acq: 22 Oct 2020 19:41

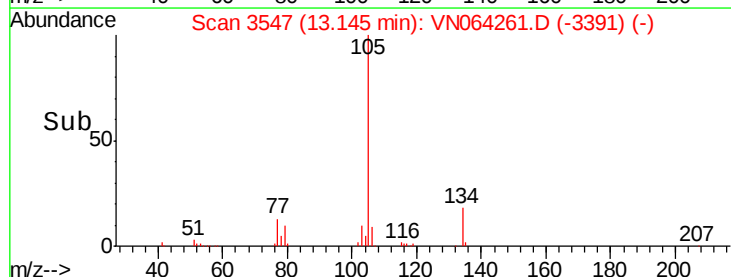
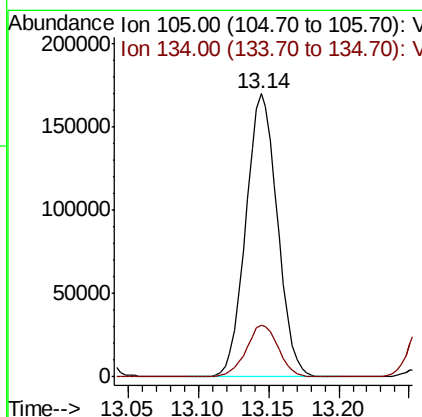
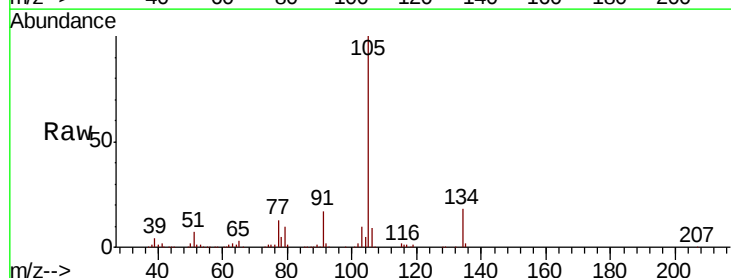
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1022WBSD01

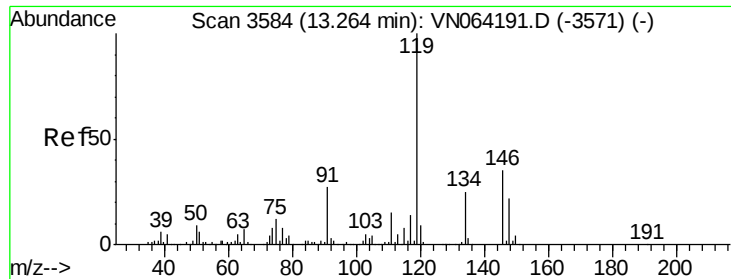
Tot Ion:105 Resp: 251009
 Ion Ratio Lower Upper
 105 100
 120 44.4 0.0 85.8



#81
 sec-Butylbenzene
 Concen: 19.707 ug/l
 RT: 13.14 min Scan# 3547
 Delta R.T. 0.00 min
 Lab File: VN064261.D
 Acq: 22 Oct 2020 19:41

Tgt Ion:105 Resp: 266707
 Ion Ratio Lower Upper
 105 100
 134 18.6 0.0 38.4

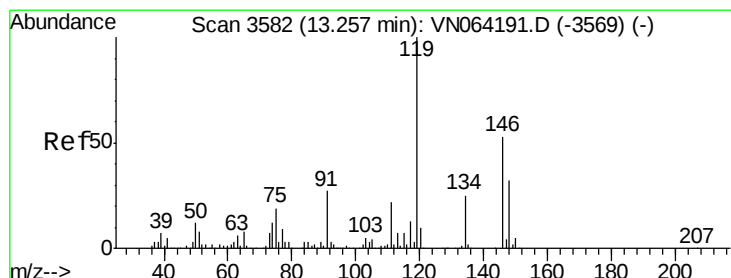
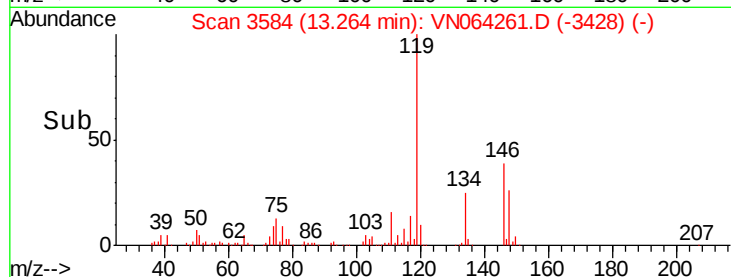
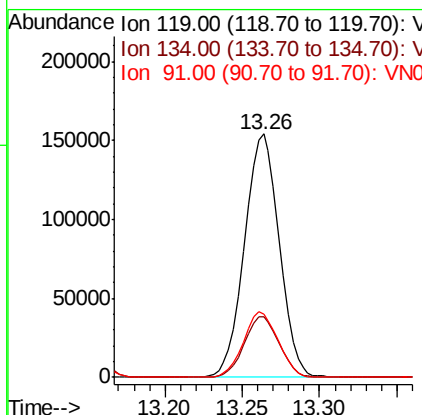
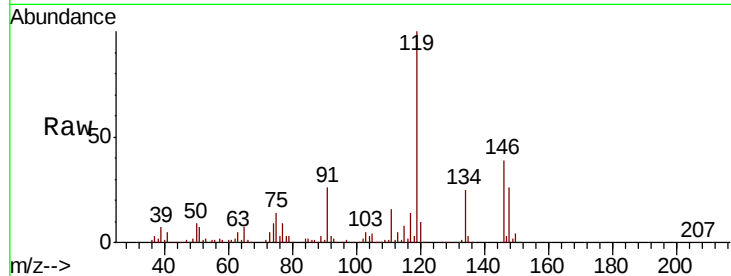




#82
p-Isopropyltoluene
Concen: 19.254 ug/l
RT: 13.26 min Scan# 3584
Delta R.T. 0.00 min
Lab File: VN064261.D
Acq: 22 Oct 2020 19:41

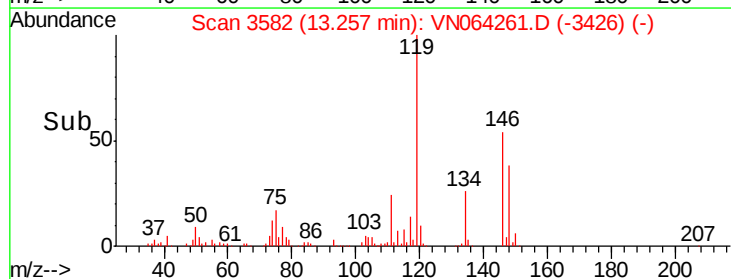
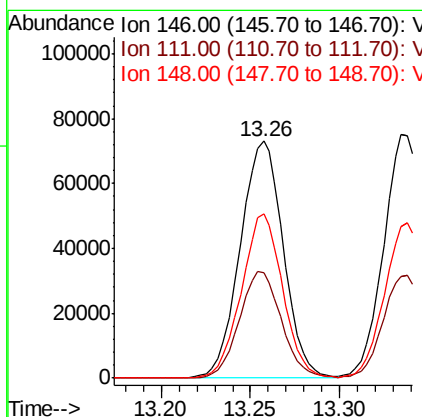
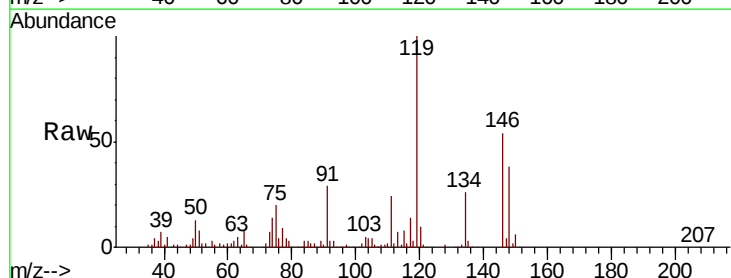
Instrument :
MSVOA_N
ClientSampleId :
VN1022WBSD01

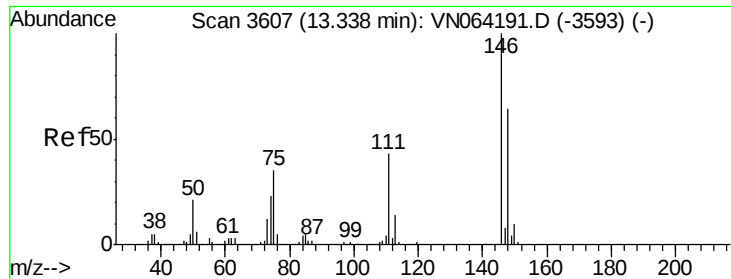
Tot Ion	Ratio	Lower	Upper
119	100		
134	25.2	0.0	51.4
91	26.8	0.0	52.8



#83
1,3-Dichlorobenzene
Concen: 19.103 ug/l
RT: 13.26 min Scan# 3582
Delta R.T. 0.00 min
Lab File: VN064261.D
Acq: 22 Oct 2020 19:41

Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.7	21.8	65.4
148	66.3	31.4	94.2

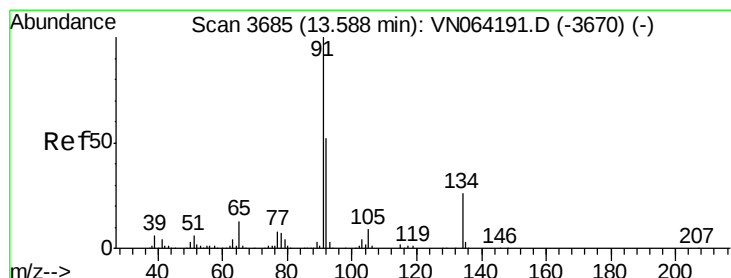
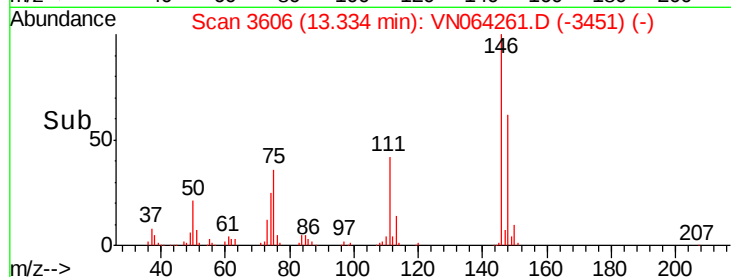
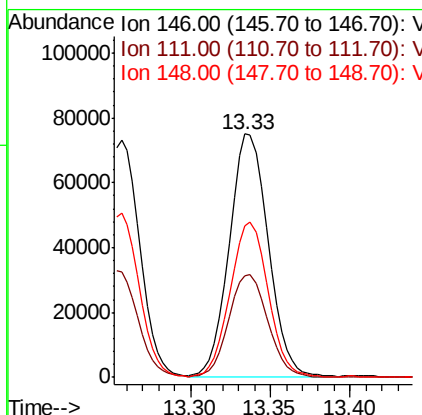
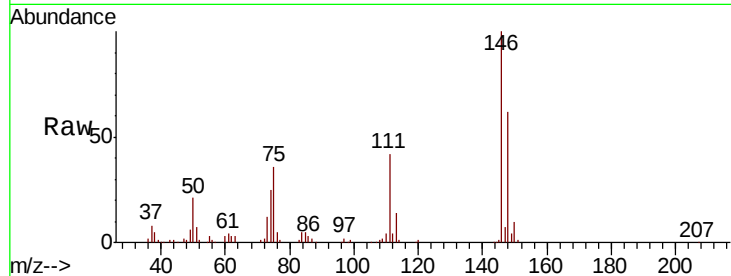




#84
 1,4-Dichlorobenzene
 Concen: 19.372 ug/l
 RT: 13.33 min Scan# 3606
 Delta R.T. -0.00 min
 Lab File: VN064261.D
 Acq: 22 Oct 2020 19:41

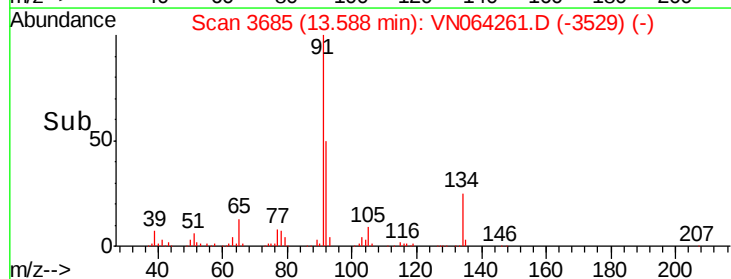
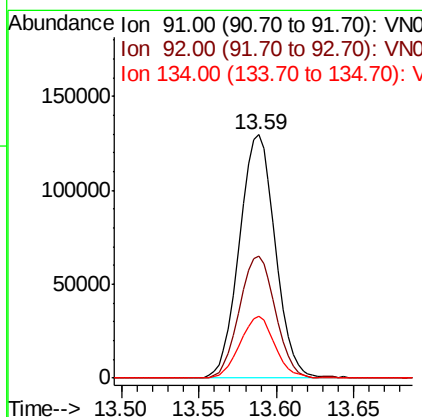
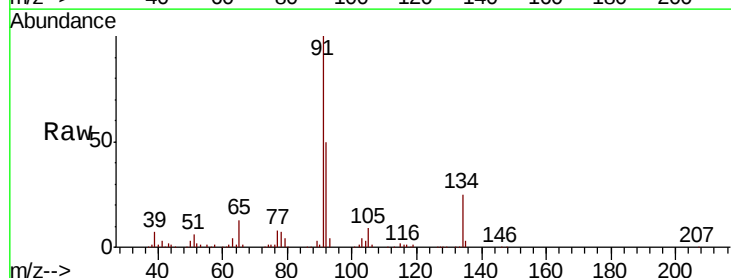
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1022WBSD01

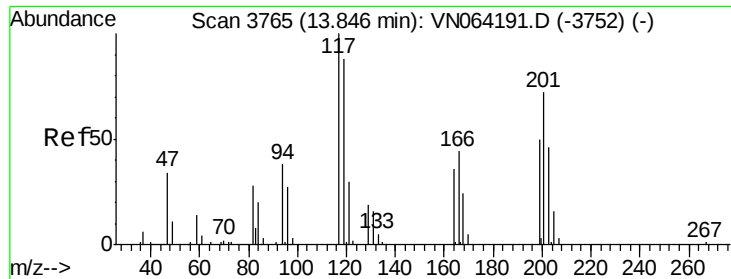
Tot Ion:146 Resp: 125349
 Ion Ratio Lower Upper
 146 100
 111 42.4 20.9 62.8
 148 62.1 30.9 92.7



#85
 n-Butylbenzene
 Concen: 18.832 ug/l
 RT: 13.59 min Scan# 3685
 Delta R.T. 0.00 min
 Lab File: VN064261.D
 Acq: 22 Oct 2020 19:41

Tgt Ion: 91 Resp: 209400
 Ion Ratio Lower Upper
 91 100
 92 50.1 0.0 104.8
 134 24.6 0.0 49.8





#86

Hexachloroethane

Concen: 18.996 ug/l

RT: 13.85 min Scan# 3766

Delta R.T. 0.00 min

Lab File: VN064261.D

Acq: 22 Oct 2020 19:41

Instrument :

MSVOA_N

ClientSampled :

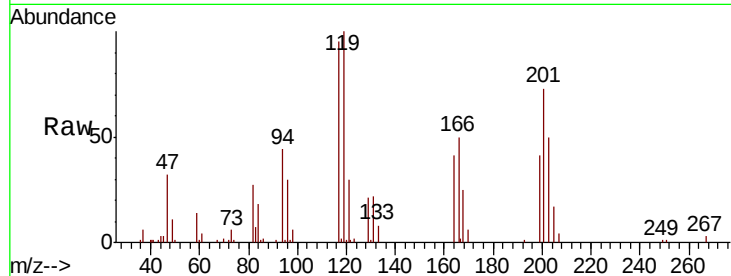
VN102WBSD01

Tot Ion:117 Resp: 40963

Ion Ratio Lower Upper

117 100

201 76.4 37.5 112.3



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 201.00 (200.70 to 201.70): V

25000

20000

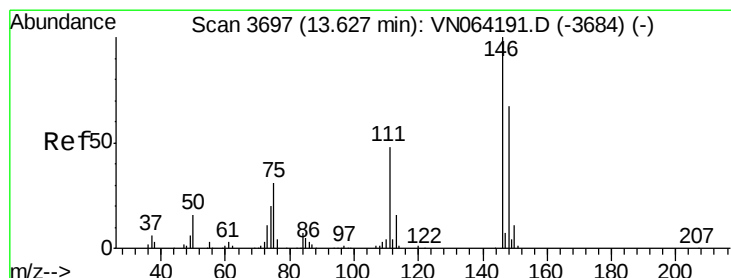
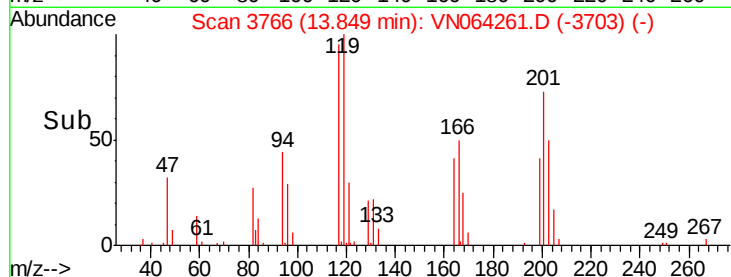
15000

10000

5000

0

Time--> 13.80 13.85 13.90



#87

1,2-Dichlorobenzene

Concen: 19.364 ug/l

RT: 13.63 min Scan# 3697

Delta R.T. 0.00 min

Lab File: VN064261.D

Acq: 22 Oct 2020 19:41

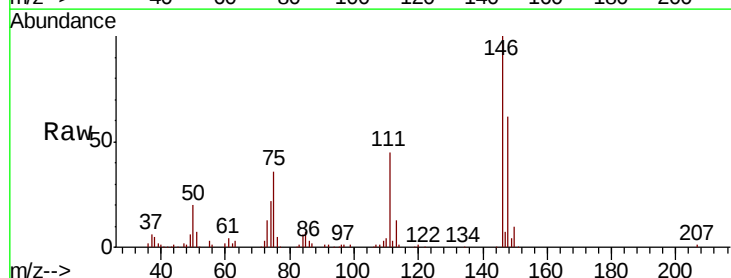
Tgt Ion:146 Resp: 122051

Ion Ratio Lower Upper

146 100

111 45.8 22.6 67.8

148 65.3 32.6 97.8



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

100000

80000

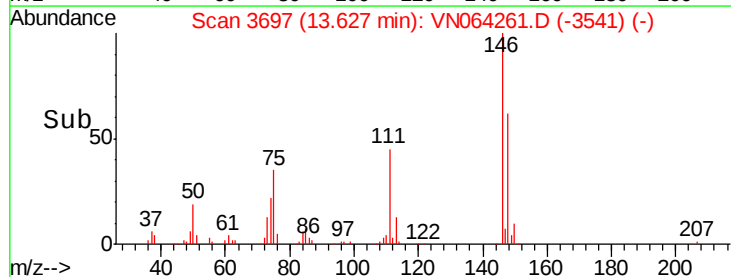
60000

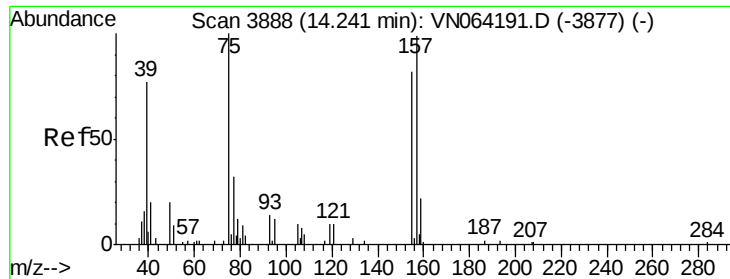
40000

20000

0

Time--> 13.55 13.60 13.65 13.70





#88

1,2-Dibromo-3-Chloropropane

Concen: 19.853 ug/l

RT: 14.24 min Scan# 3888

Delta R.T. 0.00 min

Lab File: VN064261.D

Acq: 22 Oct 2020 19:41

Instrument :

MSVOA_N

ClientSampleId :

VN1022WBSD01

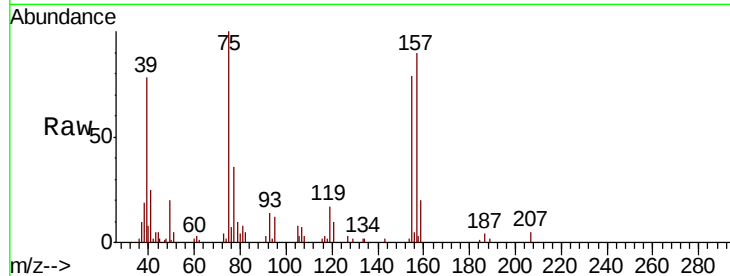
Tot Ion: 75 Resp: 20603

Ion Ratio Lower Upper

75 100

155 72.3 61.1 91.7

157 84.8 76.5 114.7

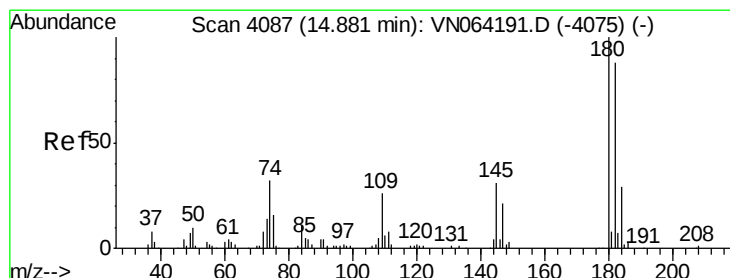
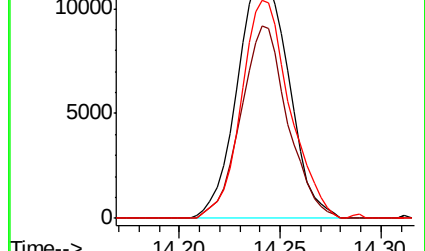
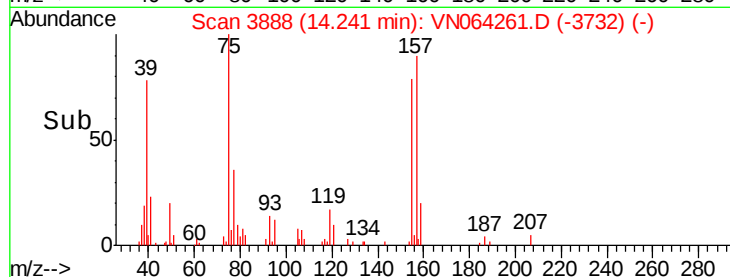


Abundance Ion 75.00 (74.70 to 75.70): VN064261.D (-3877) (-)

Ion 155.00 (154.70 to 155.70): VN064261.D (-3877) (-)

Ion 157.00 (156.70 to 157.70): VN064261.D (-3877) (-)

Time-->



#89

1,2,4-Trichlorobenzene

Concen: 17.983 ug/l

RT: 14.88 min Scan# 4087

Delta R.T. 0.00 min

Lab File: VN064261.D

Acq: 22 Oct 2020 19:41

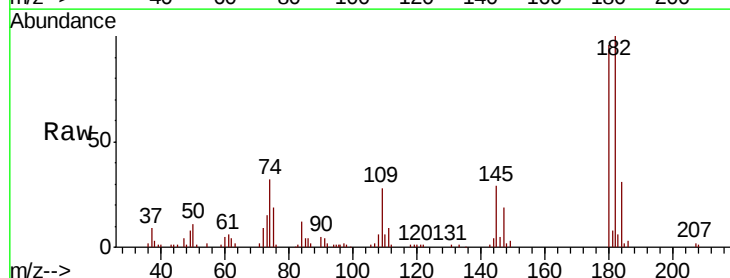
Tgt Ion: 180 Resp: 68064

Ion Ratio Lower Upper

180 100

182 98.2 73.0 109.4

145 31.0 24.3 36.5

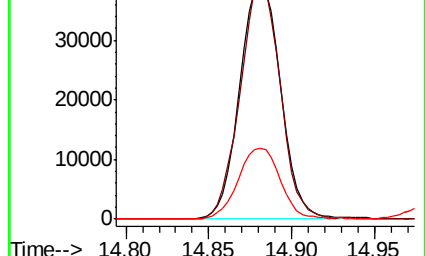
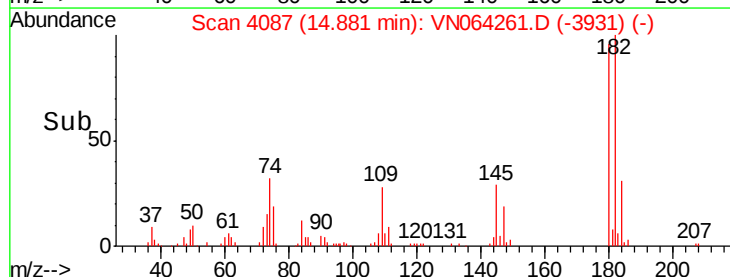


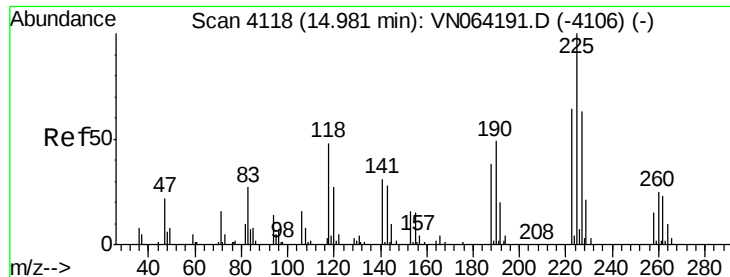
Abundance Ion 180.00 (179.70 to 180.70): VN064261.D (-4075) (-)

Ion 182.00 (181.70 to 182.70): VN064261.D (-4075) (-)

Ion 145.00 (144.70 to 145.70): VN064261.D (-4075) (-)

Time-->





#90

Hexachlorobutadiene

Concen: 18.757 ug/l

RT: 14.98 min Scan# 4118

Delta R.T. 0.00 min

Lab File: VN064261.D

Acq: 22 Oct 2020 19:41

Instrument :

MSVOA_N

ClientSampleId :

VN1022WBSD01

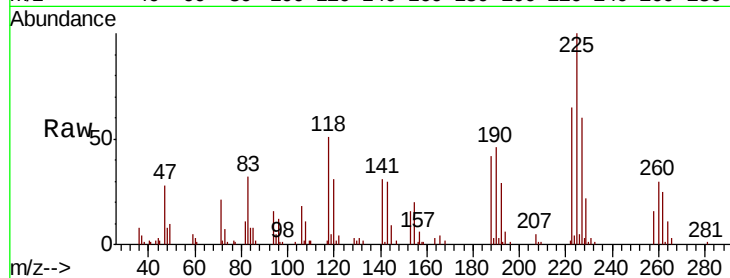
Tot Ion:225 Resp: 35985

Ion Ratio Lower Upper

225 100

223 67.0 0.0 127.0

227 64.6 0.0 129.4

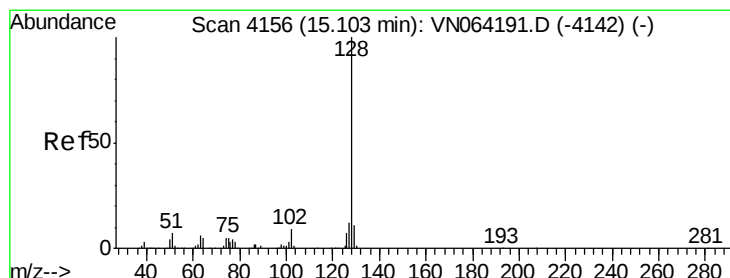
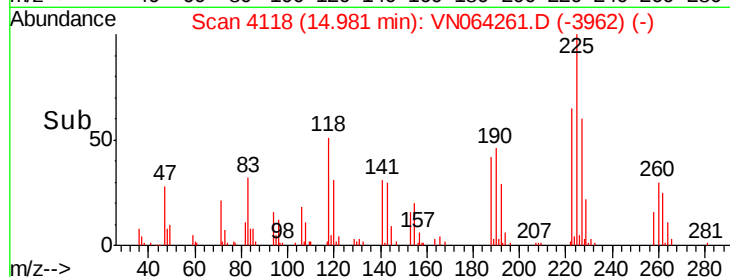
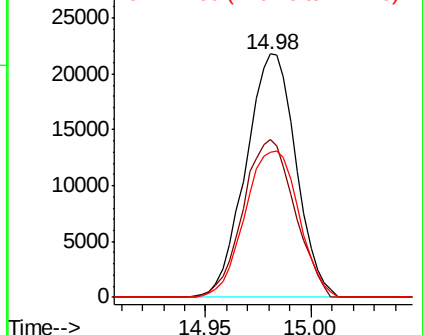


Abundance

Ion 225.00 (224.70 to 225.70): V

Ion 223.00 (222.70 to 223.70): V

Ion 227.00 (226.70 to 227.70): V



#91

Naphthalene

Concen: 18.569 ug/l

RT: 15.10 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN064261.D

Acq: 22 Oct 2020 19:41

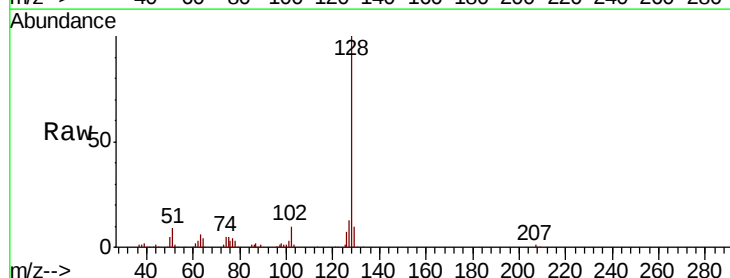
Tgt Ion:128 Resp: 213043

Ion Ratio Lower Upper

128 100

127 12.7 10.1 15.1

129 10.7 8.7 13.1

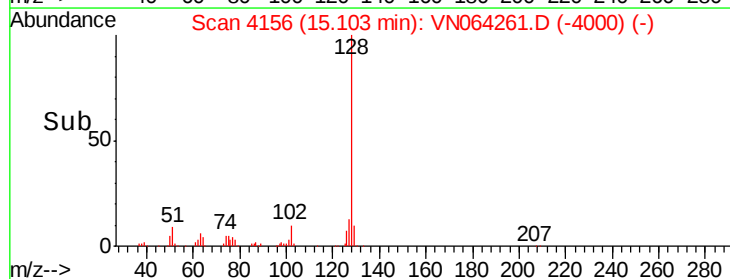
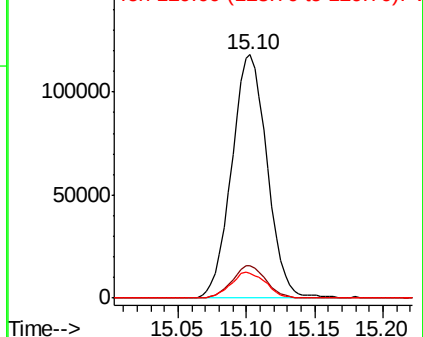


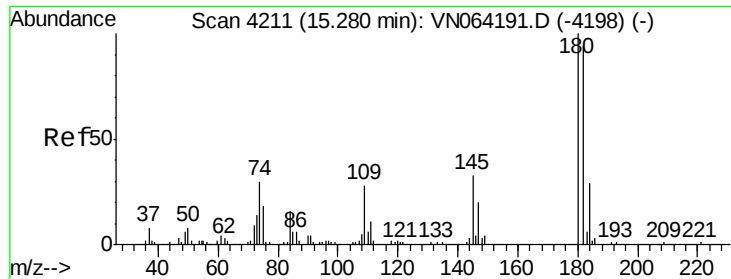
Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V





#92
 1,2,3-Trichlorobenzene
 Concen: 19.240 ug/l
 RT: 15.28 min Scan# 4211
 Delta R.T. 0.00 min
 Lab File: VN064261.D
 Acq: 22 Oct 2020 19:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1022WBSD01

Tot Ion	Ratio	Lower	Upper
180	100		
182	90.1	0.0	190.0
145	34.7	0.0	66.6

