

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102320\
 Data File : VN064295.D
 Acq On : 23 Oct 2020 18:53
 Operator : JC/MD
 Sample : VN1023WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1023WBSD01

Quant Time: Oct 26 02:25:15 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N102320W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon Oct 26 01:30:11 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.16	128	45503	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.55	114	262316	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.38	117	238246	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	7.99	65	124942	31.46	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	104.87%
60) 4-Bromofluorobenzene	12.38	95	125954	29.70	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	99.00%
63) Toluene-d8	10.06	98	315447	29.62	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	98.73%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.83	85	57046	19.271	ug/l 98
3) Chloromethane	2.04	50	59479	19.025	ug/l 97
4) Vinyl Chloride	2.16	62	57554	18.326	ug/l 98
5) Bromomethane	2.54	94	37419	18.150	ug/l 91
6) Chloroethane	2.68	64	34438	18.698	ug/l 97
7) Trichlorofluoromethane	2.99	101	100693	18.955	ug/l 99
8) Diethyl Ether	3.38	74	30993	17.704	ug/l 98
9) 1,1,2-Trichlorotrifluoroet	3.73	101	47784	18.045	ug/l # 84
10) 1,1-Dichloroethene	3.70	96	47720	18.794	ug/l 99
11) Methyl Iodide	3.92	142	62641	17.218	ug/l 97
12) Methyl Acetate	4.28	43	52014	17.518	ug/l 92
13) Acrolein	3.64	56	247	1.014	ug/l 97
14) Acrylonitrile	4.94	53	106199	92.418	ug/l 98
15) Acetone	3.78	58	31538	85.739	ug/l 90
16) Carbon Disulfide	4.01	76	129996	17.671	ug/l # 93
17) Allyl chloride	4.28	41	93635	19.236	ug/l 93
18) Methylene Chloride	4.51	84	54949	18.510	ug/l # 86
19) trans-1,2-Dichloroethene	4.99	96	52975	18.354	ug/l 99
20) Diisopropyl ether	5.90	45	171073	18.444	ug/l 93
21) 1,1-Dichloroethane	5.80	63	104090	18.816	ug/l 95
22) cis-1,2-Dichloroethene	6.78	96	61933	18.705	ug/l # 90
23) tert-Butyl Alcohol	4.73	59	50121	94.066	ug/l # 100
24) Methyl tert-Butyl Ether	4.99	73	166157	18.841	ug/l 97
25) Chloroform	7.33	83	110793	18.505	ug/l 95
26) Cyclohexane	7.61	56	77054	17.961	ug/l # 99
29) 1,1-Dichloropropene	7.75	75	79878	17.615	ug/l 98
30) 2-Butanone	6.78	43	179100	89.929	ug/l 99
31) 2,2-Dichloropropane	6.77	77	101748	17.928	ug/l 97
32) 1,1,1-Trichloroethane	7.53	97	105653	18.234	ug/l 95
33) Carbon Tetrachloride	7.73	117	92140	17.751	ug/l 97
34) Benzene	8.00	78	222189	17.929	ug/l 97
35) Methacrylonitrile	7.12	41	32241	16.057	ug/l 98
36) 1,2-Dichloroethane	8.09	62	97986	18.545	ug/l # 91
37) Trichloroethene	8.80	130	62281	18.262	ug/l 94
38) Methylcyclohexane	9.05	83	72717	17.565	ug/l 96
39) 1,2-Dichloropropane	9.08	63	59155	17.856	ug/l 95
40) Dibromomethane	9.17	93	42742	18.440	ug/l 95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.37	83	89600	17.825	ug/l	93
42) Vinyl Acetate	5.85	43	790098	89.947	ug/l	99
43) Ethyl Acetate	6.88	43	68963	16.357	ug/l #	92
44) Isopropyl Acetate	8.13	43	138527	18.319	ug/l	98
45) 1,4-Dioxane	9.16	88	17946	388.588	ug/l	89
46) Methyl methacrylate	9.16	41	68229	18.661	ug/l	94
47) n-amyl Acetate	12.05	43	115320	17.675	ug/l	98
48) t-1,3-Dichloropropene	10.35	75	97713	17.413	ug/l	98
49) cis-1,3-Dichloropropene	9.81	75	103482	17.756	ug/l	95
50) 1,1,2-Trichloroethane	10.53	97	55895	18.307	ug/l	97
51) Ethyl methacrylate	10.40	69	83692	17.821	ug/l	91
52) 1,3-Dichloropropane	10.68	76	99373	18.407	ug/l	99
53) Dibromochloromethane	10.87	129	66414	17.410	ug/l	92
54) 1,2-Dibromoethane	10.98	107	59135	18.125	ug/l	99
55) 2-Chloroethyl vinyl ether	9.66	63	220533	96.651	ug/l	97
56) Bromoform	12.10	173	45818	16.988	ug/l #	35
58) 4-Methyl-2-Pentanone	9.95	43	379106	92.327	ug/l	99
59) 2-Hexanone	10.72	43	274483	88.165	ug/l	99
61) Tetrachloroethene	10.60	164	59759	17.952	ug/l	95
62) Toluene	10.12	91	241938	17.640	ug/l	100
64) Chlorobenzene	11.41	112	150552	17.696	ug/l	97
65) 1,1,1,2-Tetrachloroethane	11.48	131	61993	18.242	ug/l	97
66) Ethyl Benzene	11.48	91	278375	17.704	ug/l	97
67) m/p-Xylenes	11.60	106	203998	34.985	ug/l	99
68) o-Xylene	11.92	106	98661	17.425	ug/l	99
69) Styrene	11.94	104	164196	17.417	ug/l	99
70) Isopropylbenzene	12.22	105	267041	17.839	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.48	83	72044	17.942	ug/l	95
72) 1,2,3-Trichloropropane	12.53	75	109099	26.166	ug/l	63
73) Bromobenzene	12.50	156	63772	17.513	ug/l	99
74) n-propylbenzene	12.57	91	298280	17.366	ug/l	99
75) 2-Chlorotoluene	12.65	91	188204	17.745	ug/l	99
76) 1,3,5-Trimethylbenzene	12.71	105	221682	17.472	ug/l	98
77) t-1,4-Dichloro-2-butene	12.27	75	28586	17.729	ug/l	94
78) 4-Chlorotoluene	12.75	91	193687	17.516	ug/l	99
79) tert-butylbenzene	12.97	119	182331	17.584	ug/l	98
80) 1,2,4-Trimethylbenzene	13.01	105	225179	17.487	ug/l	99
81) sec-Butylbenzene	13.14	105	233062	17.315	ug/l	98
82) p-Isopropyltoluene	13.26	119	212878	17.234	ug/l	97
83) 1,3-Dichlorobenzene	13.26	146	110271	17.169	ug/l	100
84) 1,4-Dichlorobenzene	13.34	146	112867	17.258	ug/l	98
85) n-Butylbenzene	13.59	91	183929	16.922	ug/l	95
86) Hexachloroethane	13.85	117	35926	17.225	ug/l	93
87) 1,2-Dichlorobenzene	13.63	146	111296	17.760	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	14.24	75	17688	18.078	ug/l	96
89) 1,2,4-Trichlorobenzene	14.88	180	59284	16.584	ug/l	92
90) Hexachlorobutadiene	14.98	225	34343	17.544	ug/l	98
91) Naphthalene	15.10	128	183704	17.572	ug/l	97
92) 1,2,3-Trichlorobenzene	15.28	180	58761	17.140	ug/l	96

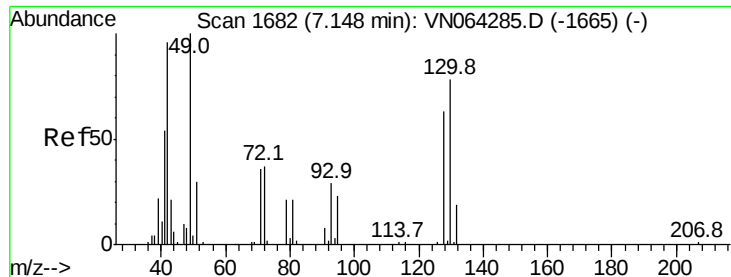
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.16 min Scan# 1685

Delta R.T. 0.01 min

Lab File: VN064295.D

Acq: 23 Oct 2020 18:53

Instrument :

MSVOA_N

ClientSampleId :

VN1023WBSD01

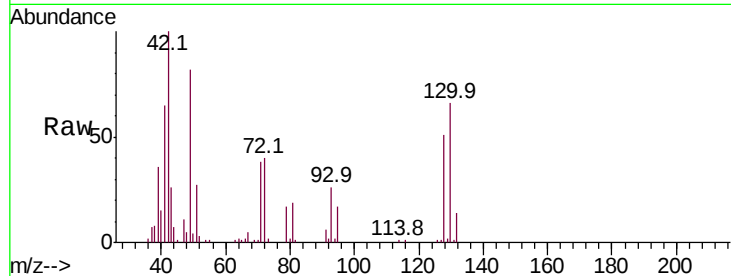
Tot Ion:128 Resp: 45503

Ion Ratio Lower Upper

128 100

49 176.4 0.0 445.0

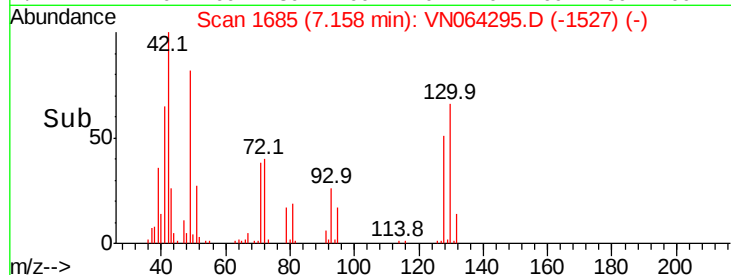
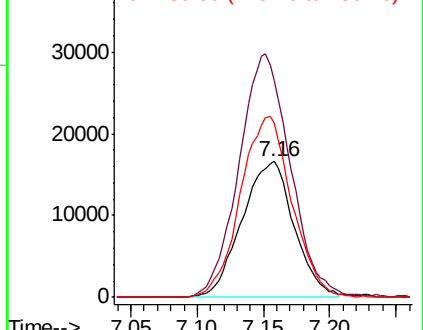
130 131.3 0.0 320.2



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: 19.271 ug/l

RT: 1.83 min Scan# 29

Delta R.T. 0.00 min

Lab File: VN064295.D

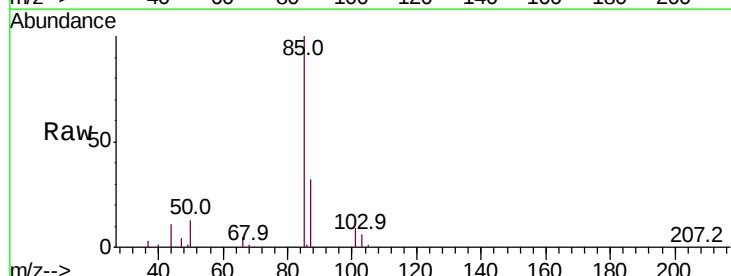
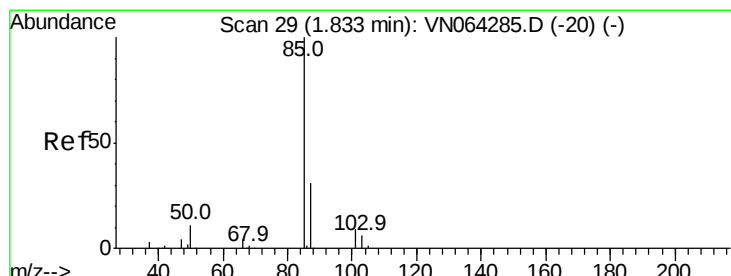
Acq: 23 Oct 2020 18:53

Tgt Ion: 85 Resp: 57046

Ion Ratio Lower Upper

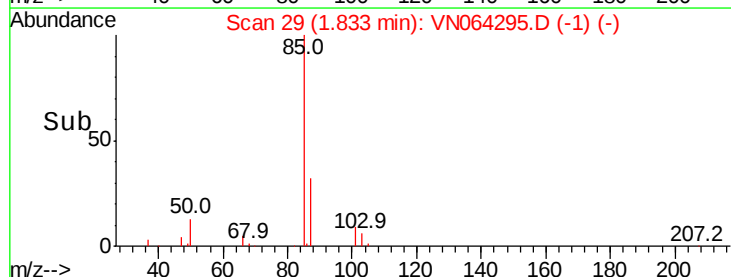
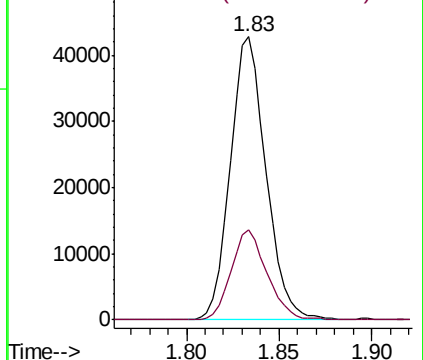
85 100

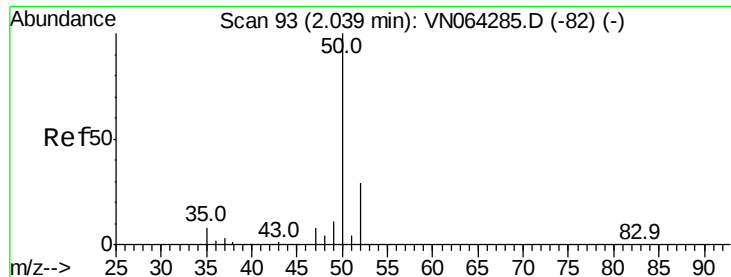
87 31.6 16.4 49.2



Abundance Ion 85.00 (84.70 to 85.70): VN0

Ion 87.00 (86.70 to 87.70): VN0





#3

Chloromethane

Concen: 19.025 ug/l

RT: 2.04 min Scan# 93

Delta R.T. 0.00 min

Lab File: VN064295.D

Acq: 23 Oct 2020 18:53

Instrument :

MSVOA_N

ClientSampleId :

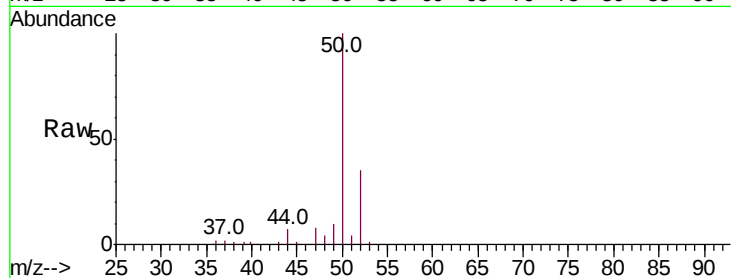
VN1023WBSD01

Tot Ion: 50 Resp: 59479

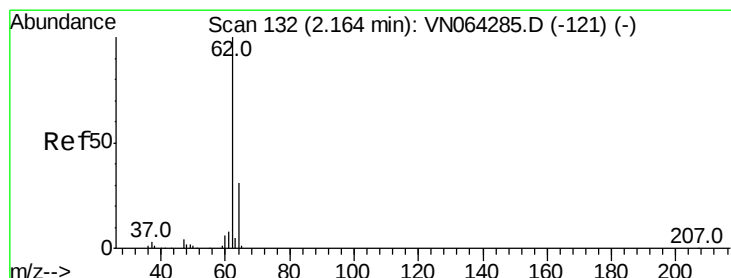
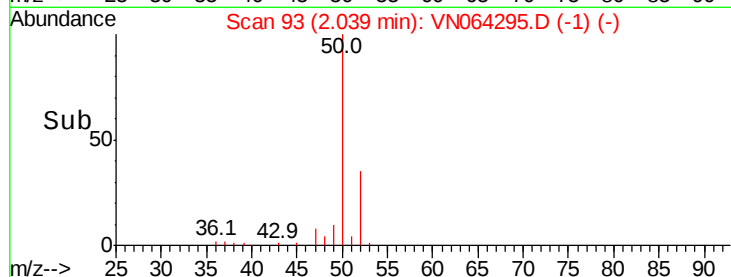
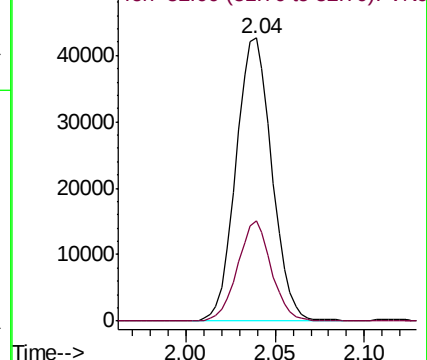
Ion Ratio Lower Upper

50 100

52 35.3 27.1 40.7



Abundance Ion 50.00 (49.70 to 50.70): VNO
Ion 52.00 (51.70 to 52.70): VNO



#4

Vinyl Chloride

Concen: 18.326 ug/l

RT: 2.16 min Scan# 132

Delta R.T. 0.00 min

Lab File: VN064295.D

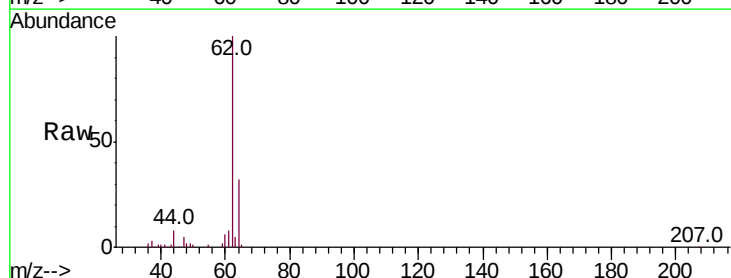
Acq: 23 Oct 2020 18:53

Tgt Ion: 62 Resp: 57554

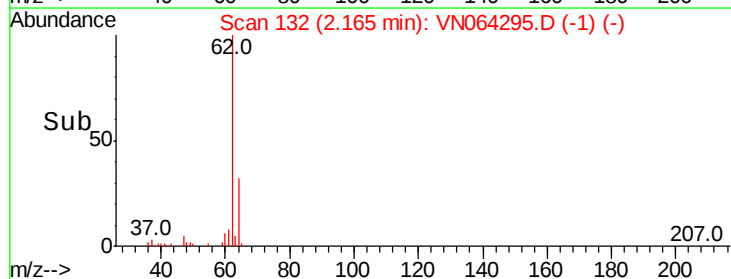
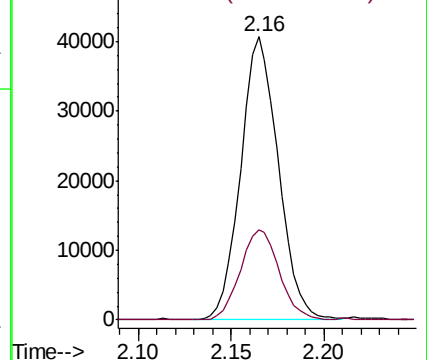
Ion Ratio Lower Upper

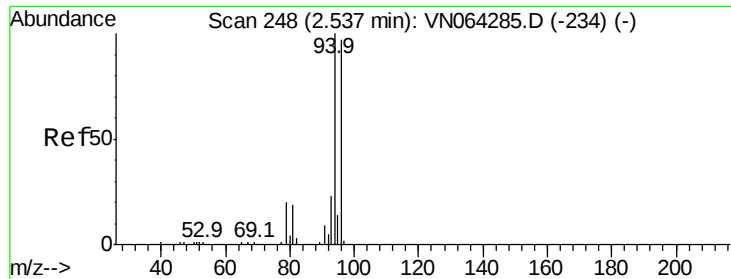
62 100

64 31.9 26.6 39.8



Abundance Ion 62.00 (61.70 to 62.70): VNO
Ion 64.00 (63.70 to 64.70): VNO

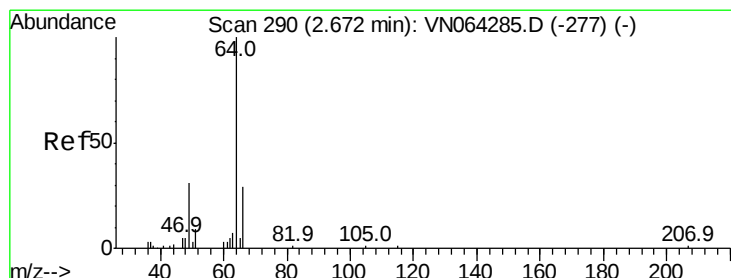
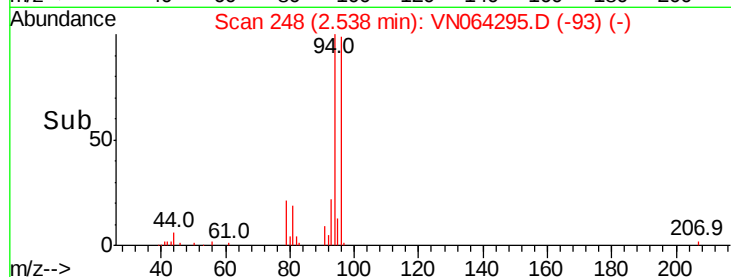
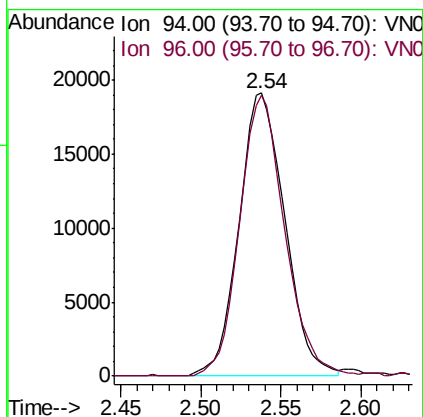
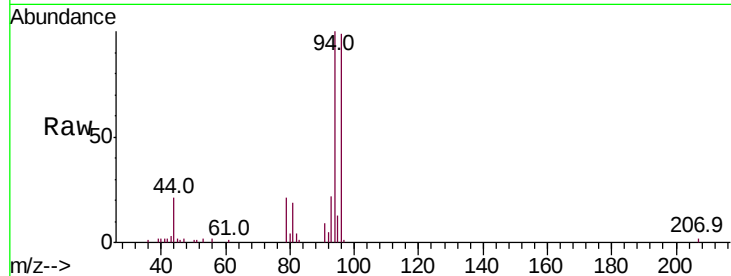




#5
Bromomethane
Concen: 18.150 ug/l
RT: 2.54 min Scan# 248
Delta R.T. -0.00 min
Lab File: VN064295.D
Acq: 23 Oct 2020 18:53

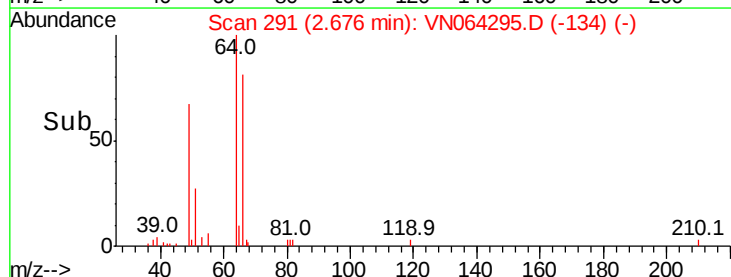
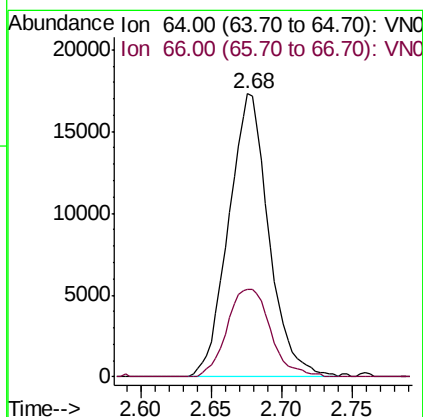
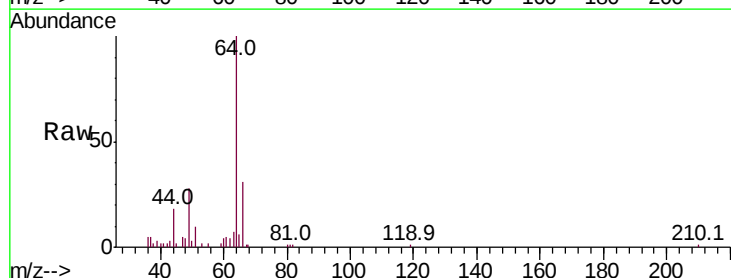
Instrument :
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ClientSampleId :
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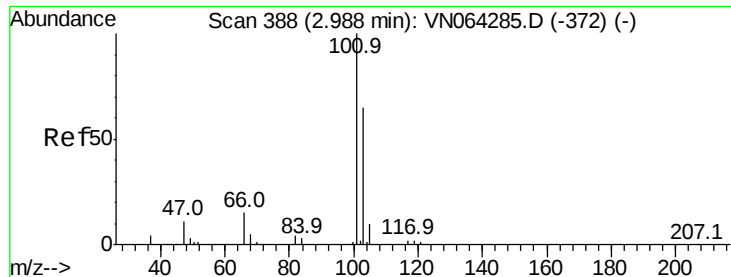
Tot Ion: 94 Resp: 37419
Ion Ratio Lower Upper
94 100
96 99.2 72.4 108.6



#6
Chloroethane
Concen: 18.698 ug/l
RT: 2.68 min Scan# 291
Delta R.T. 0.00 min
Lab File: VN064295.D
Acq: 23 Oct 2020 18:53

Tgt Ion: 64 Resp: 34438
Ion Ratio Lower Upper
64 100
66 30.8 23.4 35.2



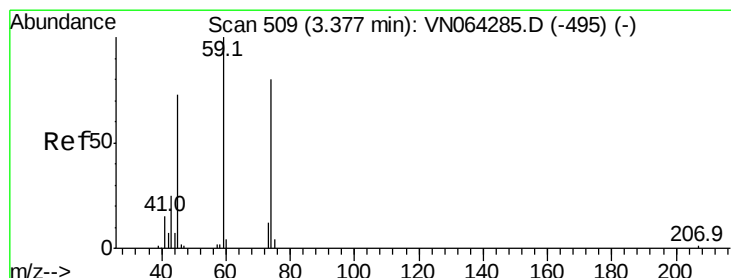
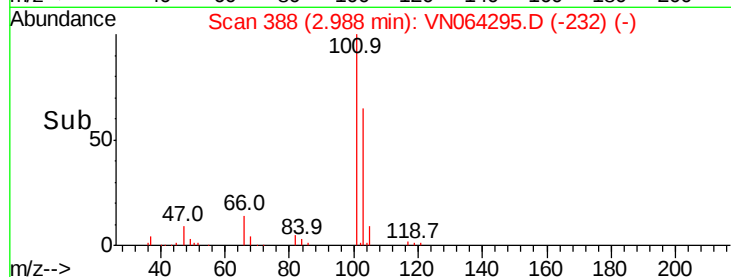
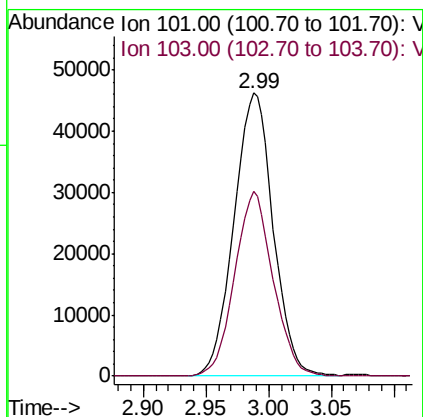
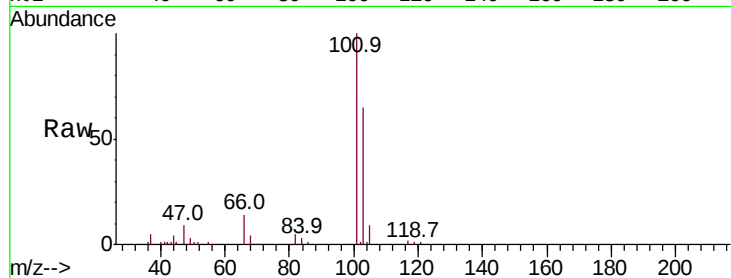


#7

Trichlorofluoromethane
 Concen: 18.955 ug/l
 RT: 2.99 min Scan# 388
 Delta R.T. 0.00 min
 Lab File: VN064295.D
 Acq: 23 Oct 2020 18:53

Instrument :
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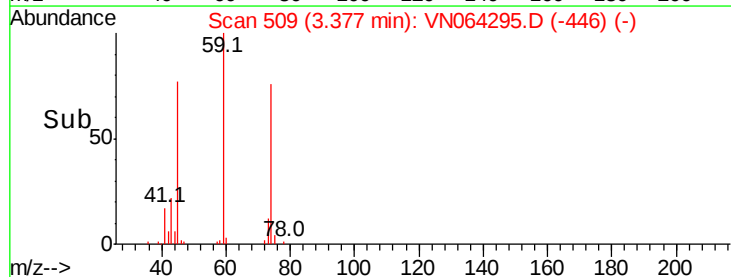
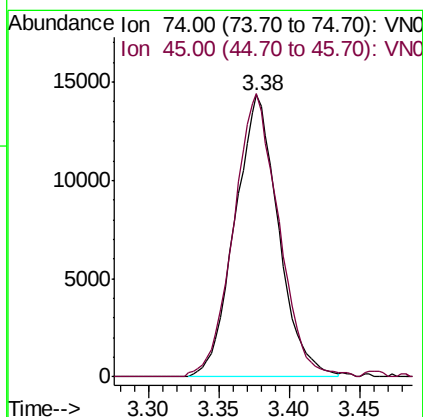
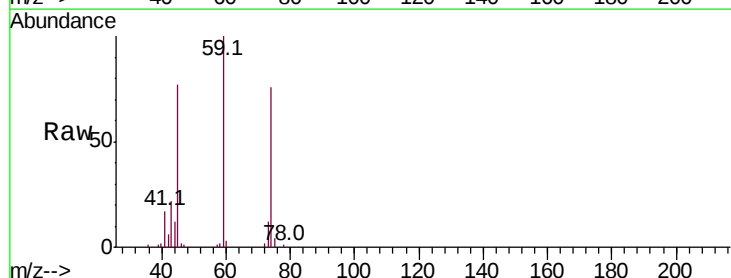
Tot Ion:101 Resp: 100693
 Ion Ratio Lower Upper
 101 100
 103 65.3 51.4 77.0

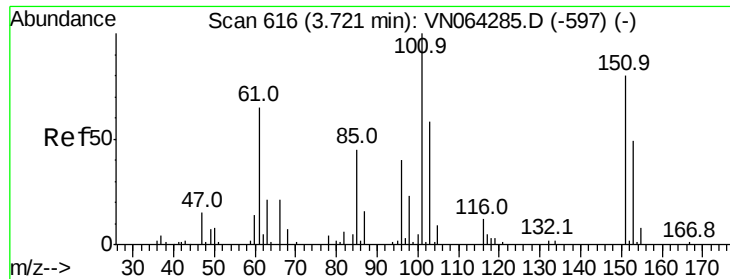


#8

Diethyl Ether
 Concen: 17.704 ug/l
 RT: 3.38 min Scan# 509
 Delta R.T. 0.00 min
 Lab File: VN064295.D
 Acq: 23 Oct 2020 18:53

Tgt Ion: 74 Resp: 30993
 Ion Ratio Lower Upper
 74 100
 45 104.1 21.3 191.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.045 ug/l

RT: 3.73 min Scan# 618

Delta R.T. 0.00 min

Lab File: VN064295.D

Acq: 23 Oct 2020 18:53

Instrument :

MSVOA_N

ClientSampleId :

VN1023WBSD01

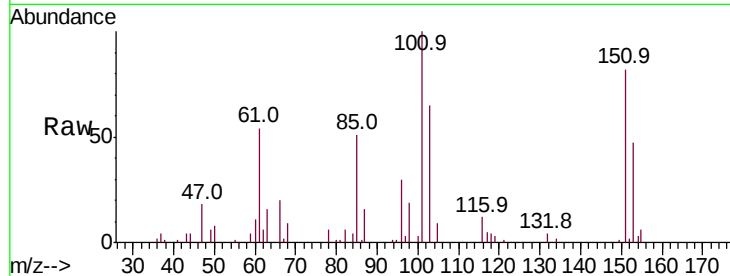
Tot Ion:101 Resp: 47784

Ion Ratio Lower Upper

101 100

85 50.1 0.0 47.4#

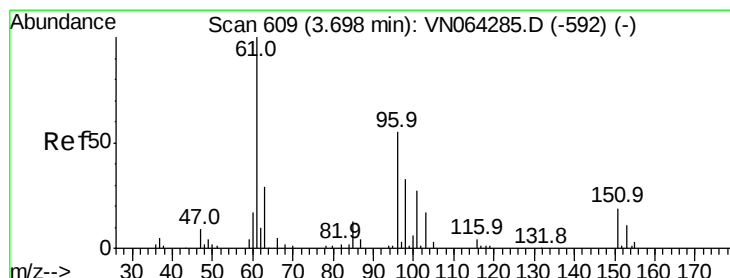
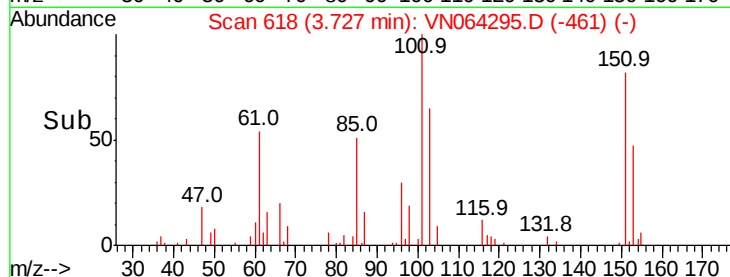
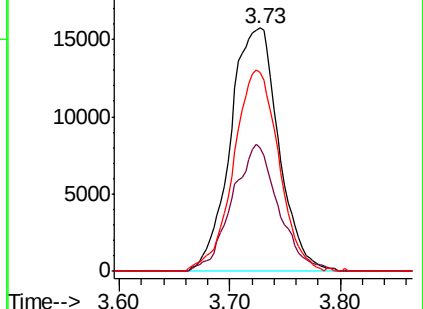
151 77.5 0.0 148.4



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: 18.794 ug/l

RT: 3.70 min Scan# 609

Delta R.T. -0.00 min

Lab File: VN064295.D

Acq: 23 Oct 2020 18:53

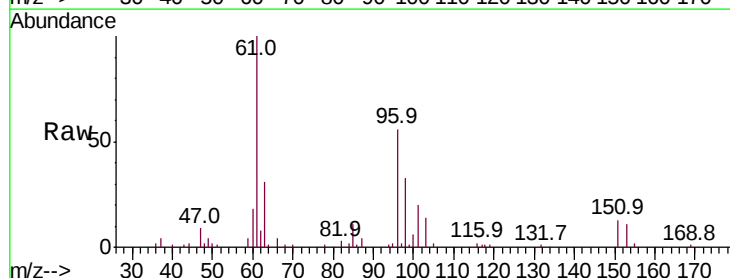
Tgt Ion: 96 Resp: 47720

Ion Ratio Lower Upper

96 100

61 178.6 144.2 216.4

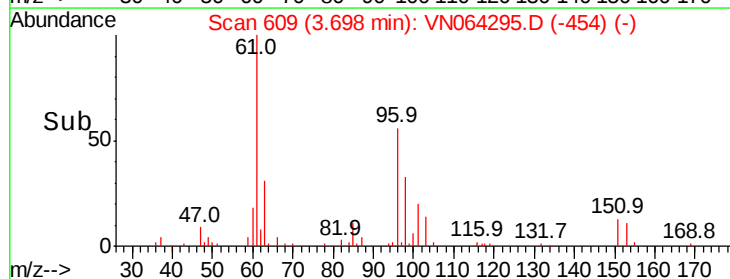
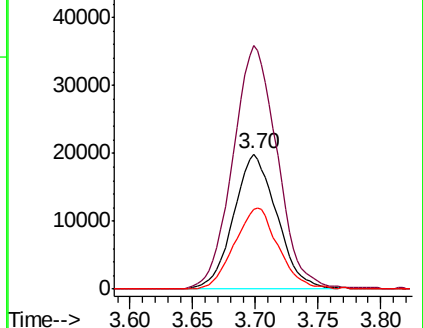
98 58.6 47.4 71.0

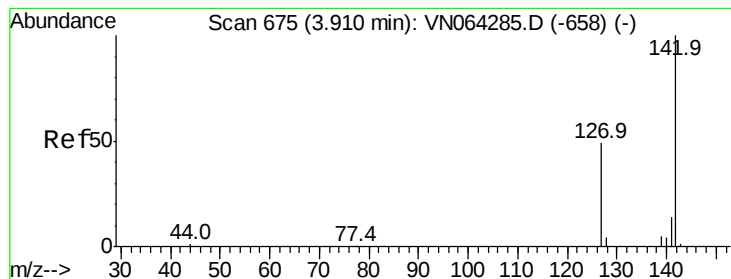


Abundance Ion 96.00 (95.70 to 96.70): V

Ion 61.00 (60.70 to 61.70): VN

Ion 98.00 (97.70 to 98.70): VN

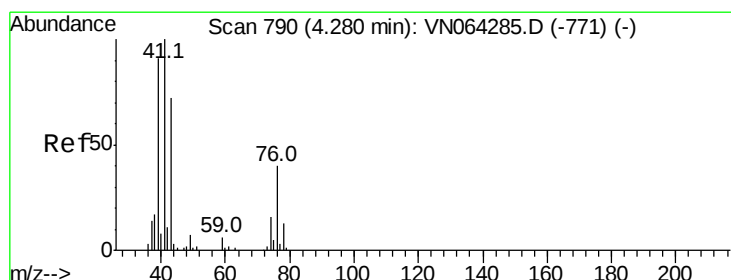
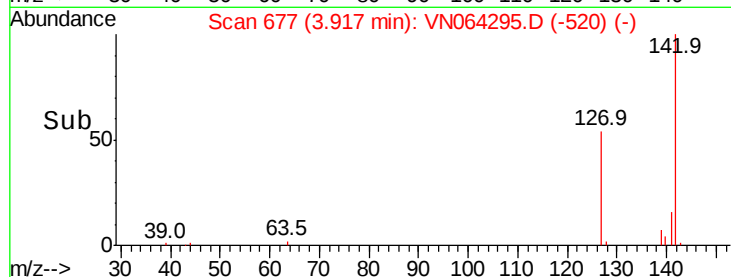
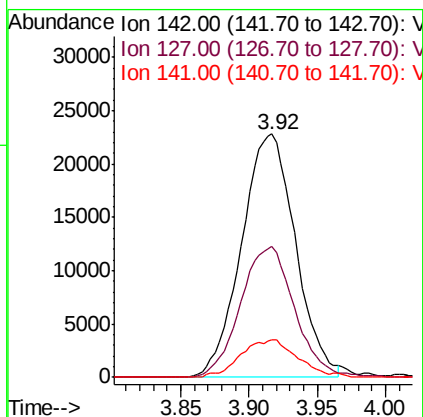
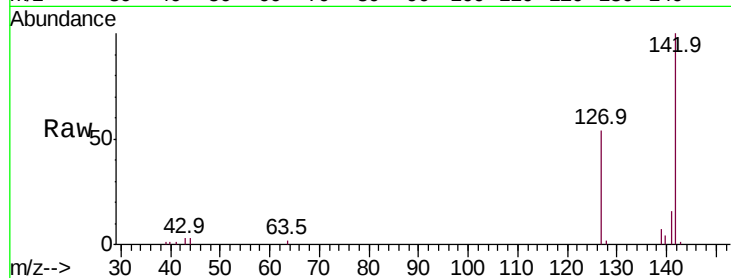




#11
Methvl Iodide
Concen: 17.218 ug/l
RT: 3.92 min Scan# 677
Delta R.T. 0.00 min
Lab File: VN064295.D
Acq: 23 Oct 2020 18:53

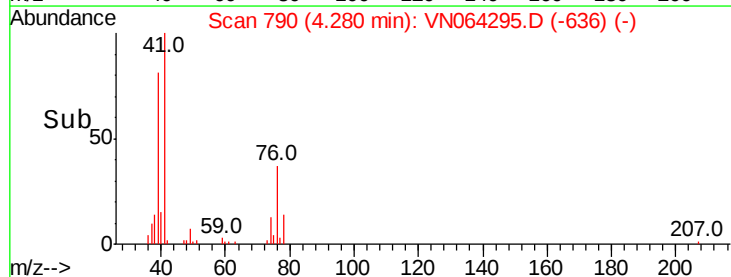
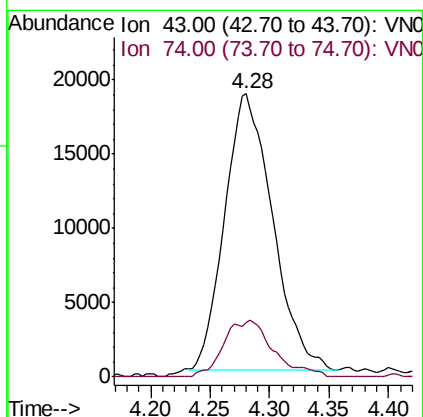
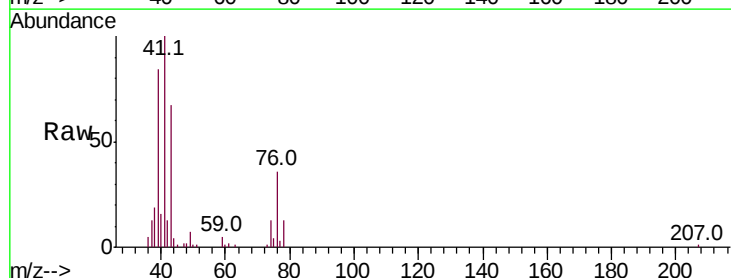
Instrument :
MSVOA_N
ClientSampleId :
VN1023WBSD01

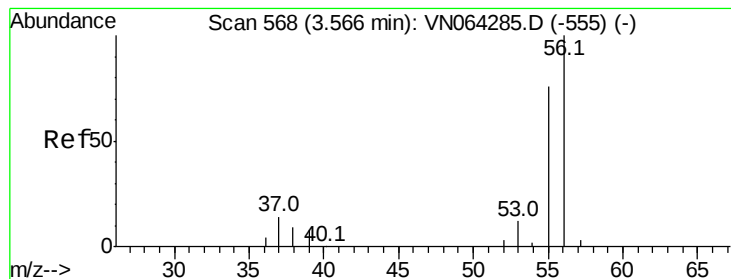
Tot Ion:142 Resp: 62641
Ion Ratio Lower Upper
142 100
127 54.3 25.9 77.8
141 15.2 7.5 22.6



#12
Methyl Acetate
Concen: 17.518 ug/l
RT: 4.28 min Scan# 790
Delta R.T. -0.01 min
Lab File: VN064295.D
Acq: 23 Oct 2020 18:53

Tgt Ion: 43 Resp: 52014
Ion Ratio Lower Upper
43 100
74 19.8 19.0 28.6





#13

Acrolein

Concen: 1.014 ug/l

RT: 3.64 min Scan# 590

Delta R.T. 0.07 min

Lab File: VN064295.D

Acq: 23 Oct 2020 18:53

Instrument :

MSVOA_N

ClientSampled :

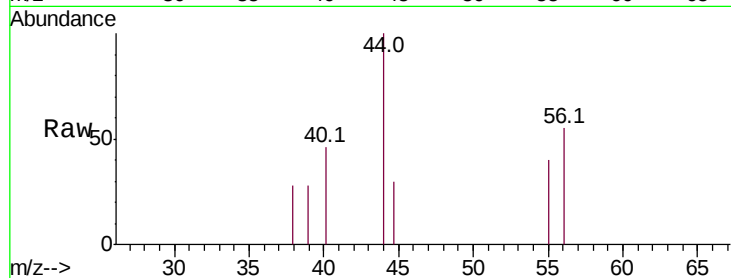
VN1023WBSD01

Tot Ion: 56 Resp: 247

Ion Ratio Lower Upper

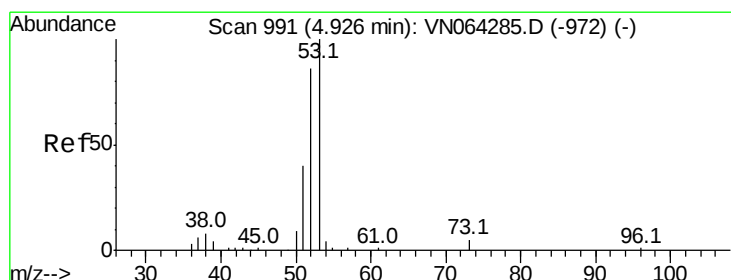
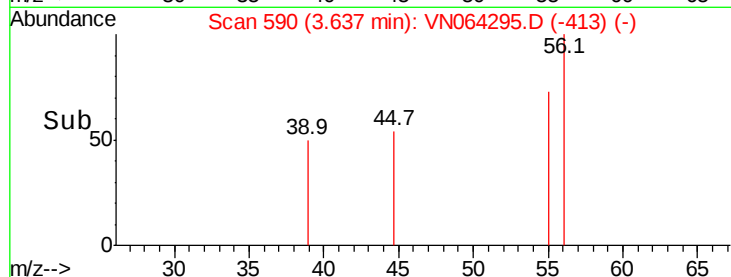
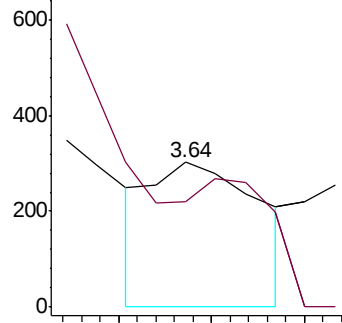
56 100

55 73.7 61.0 91.6



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Acrylonitrile

Concen: 92.418 ug/l

RT: 4.94 min Scan# 994

Delta R.T. 0.01 min

Lab File: VN064295.D

Acq: 23 Oct 2020 18:53

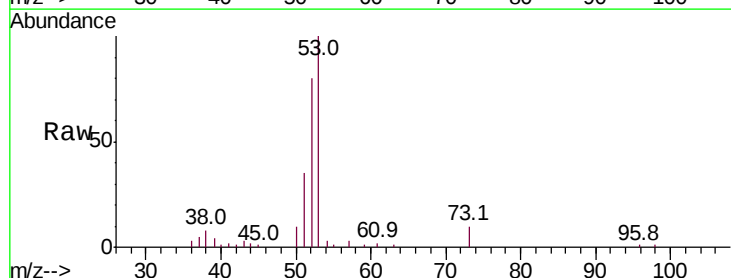
Tgt Ion: 53 Resp: 106199

Ion Ratio Lower Upper

53 100

52 84.6 41.7 125.1

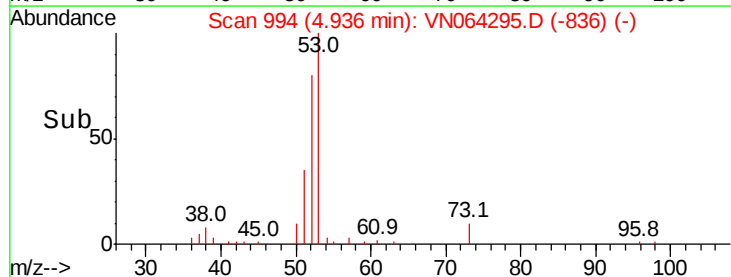
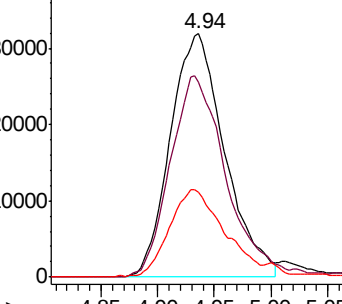
51 36.5 18.9 56.7

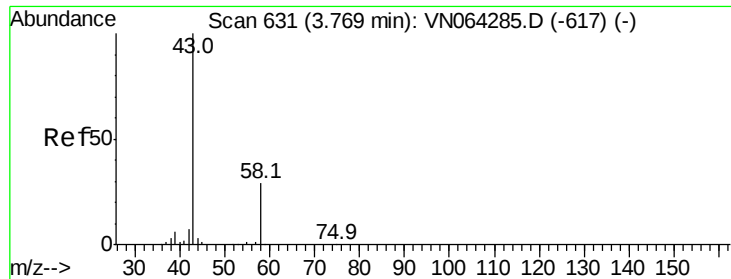


Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0





#15

Acetone

Concen: 85.739 ug/l

RT: 3.78 min Scan# 634

Delta R.T. 0.00 min

Lab File: VN064295.D

Acq: 23 Oct 2020 18:53

Instrument :

MSVOA_N

ClientSampleId :

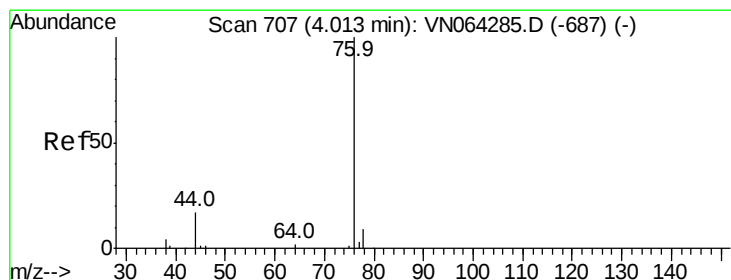
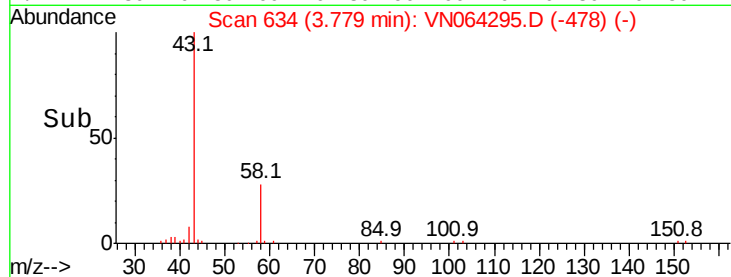
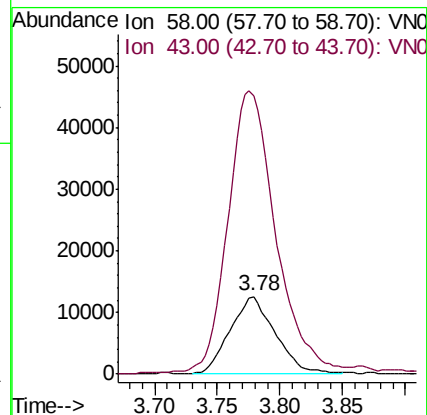
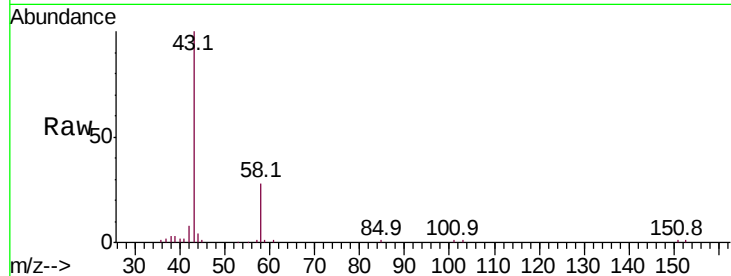
VN1023WBSD01

Tot Ion: 58 Resp: 31538

Ion Ratio Lower Upper

58 100

43 348.7 297.4 446.0



#16

Carbon Disulfide

Concen: 17.671 ug/l

RT: 4.01 min Scan# 707

Delta R.T. 0.00 min

Lab File: VN064295.D

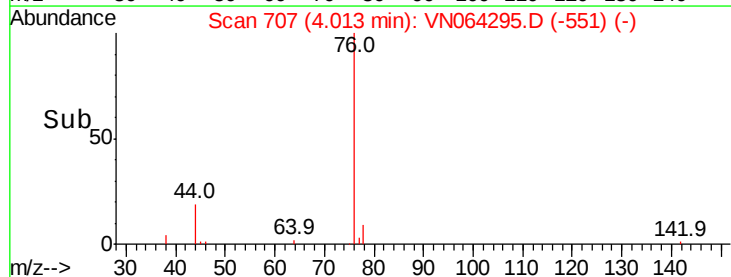
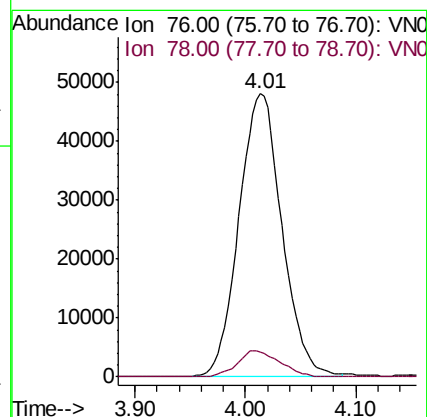
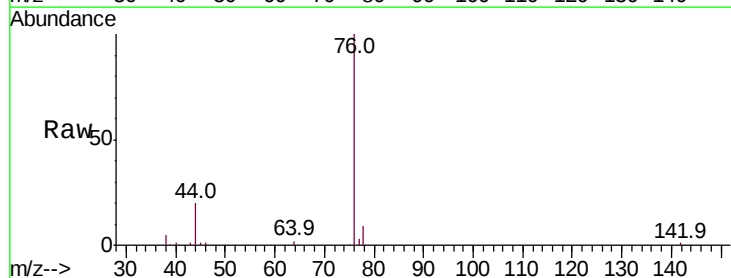
Acq: 23 Oct 2020 18:53

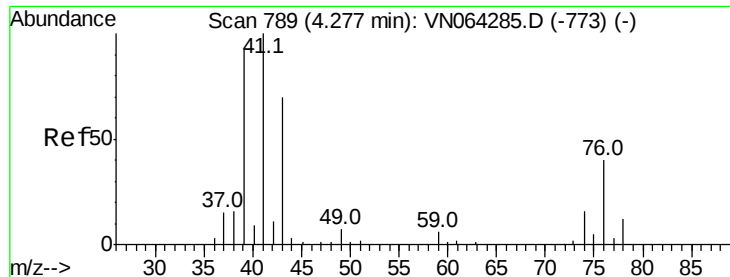
Tgt Ion: 76 Resp: 129996

Ion Ratio Lower Upper

76 100

78 8.6 9.0 13.4#

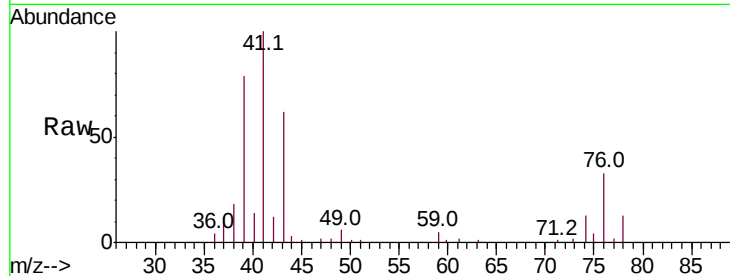




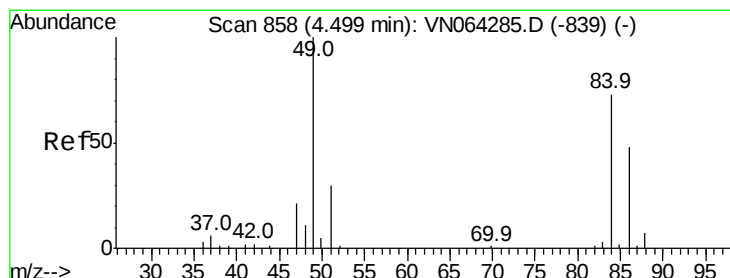
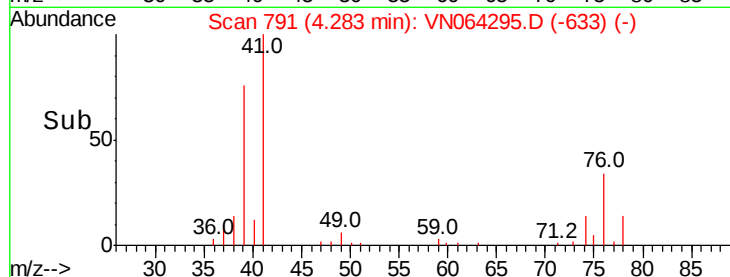
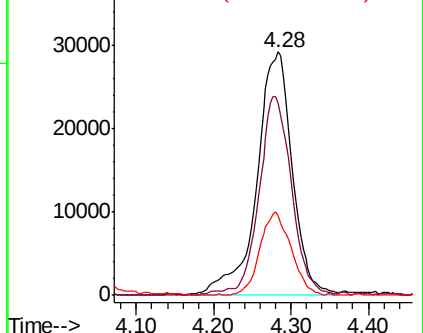
#17
Allvl chloride
Concen: 19.236 ug/l
RT: 4.28 min Scan# 791
Delta R.T. 0.01 min
Lab File: VN064295.D
Acq: 23 Oct 2020 18:53

Instrument :
MSVOA_N
ClientSampleId :
VN1023WBSD01

Tot Ion: 41 Resp: 93635
Ion Ratio Lower Upper
41 100
39 78.2 39.9 119.6
76 32.9 21.4 64.2

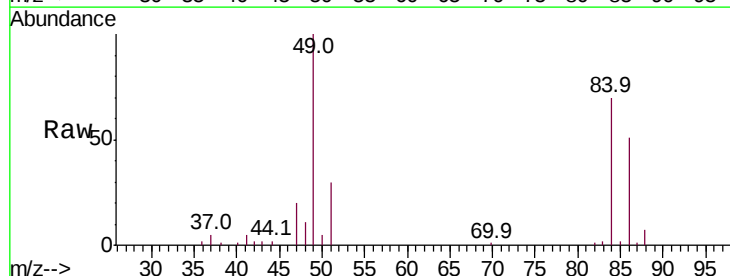


Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 39.00 (38.70 to 39.70): VNC
Ion 76.00 (75.70 to 76.70): VNC

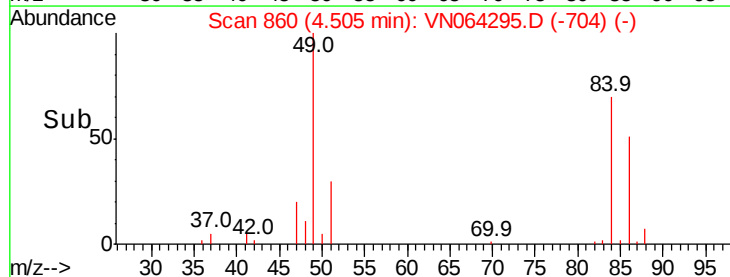
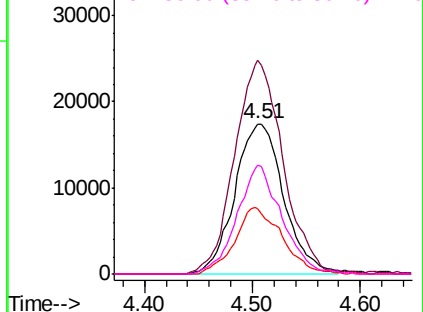


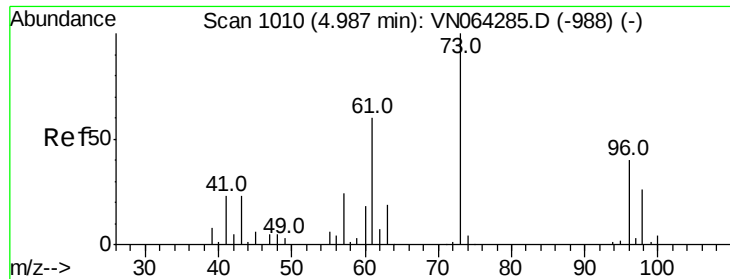
#18
Methylene Chloride
Concen: 18.510 ug/l
RT: 4.51 min Scan# 860
Delta R.T. 0.00 min
Lab File: VN064295.D
Acq: 23 Oct 2020 18:53

Tgt Ion: 84 Resp: 54949
Ion Ratio Lower Upper
84 100
49 141.4 101.1 151.7
51 43.2 33.4 50.0
86 72.8 45.0 67.4#



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

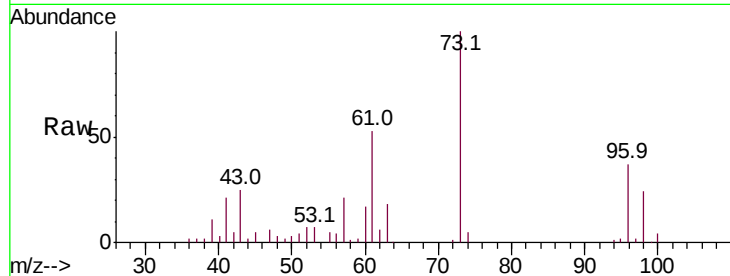




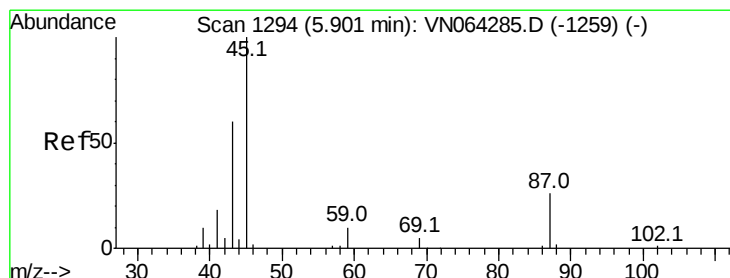
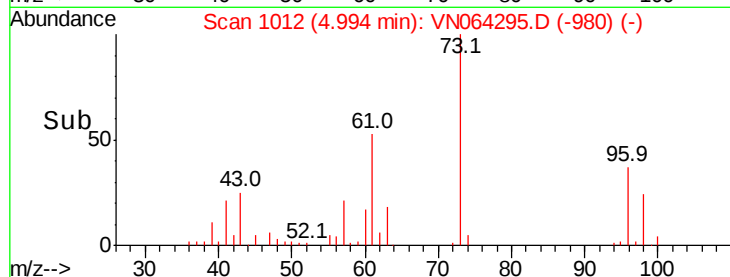
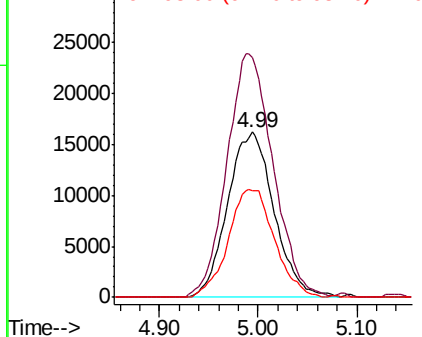
#19
trans-1,2-Dichloroethene
Concen: 18.354 ug/l
RT: 4.99 min Scan# 1012
Delta R.T. 0.00 min
Lab File: VN064295.D
Acq: 23 Oct 2020 18:53

Instrument :
MSVOA_N
ClientSampleId :
VN1023WBSD01

Tot Ion: 96 Resp: 52975
Ion Ratio Lower Upper
96 100
61 143.6 114.2 171.2
98 64.9 52.8 79.2

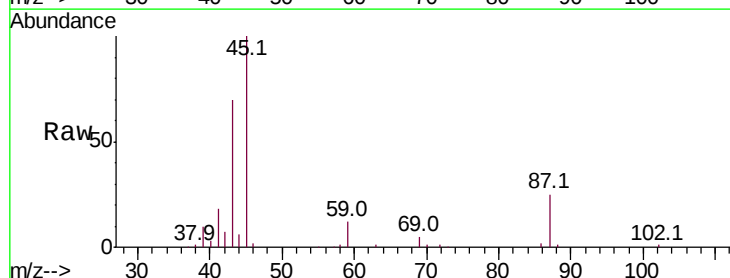


Abundance Ion 96.00 (95.70 to 96.70): VN0
Ion 61.00 (60.70 to 61.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

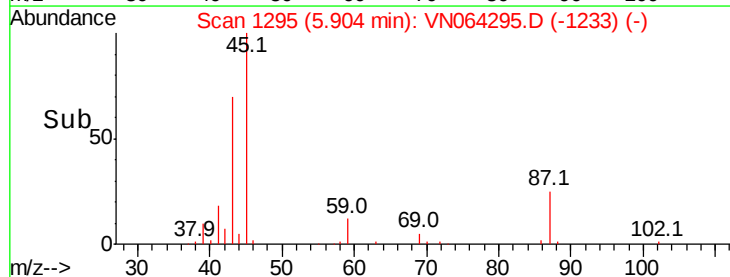
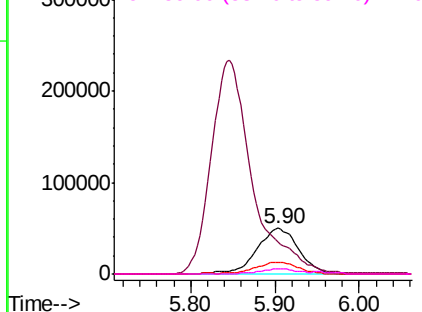


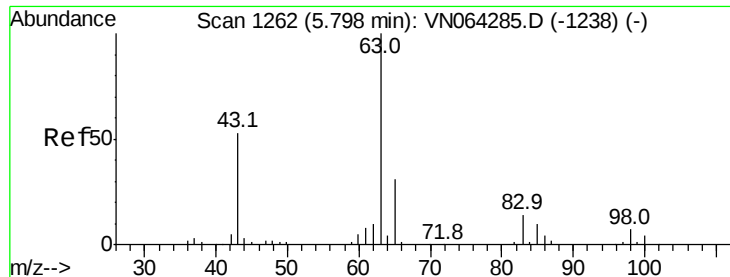
#20
Diisopropyl ether
Concen: 18.444 ug/l
RT: 5.90 min Scan# 1295
Delta R.T. 0.00 min
Lab File: VN064295.D
Acq: 23 Oct 2020 18:53

Tgt Ion: 45 Resp: 171073
Ion Ratio Lower Upper
45 100
43 65.8 58.9 88.3
87 25.1 21.0 31.4
59 12.0 9.1 13.7



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: 18.816 ug/l

RT: 5.80 min Scan# 1262

Delta R.T. 0.00 min

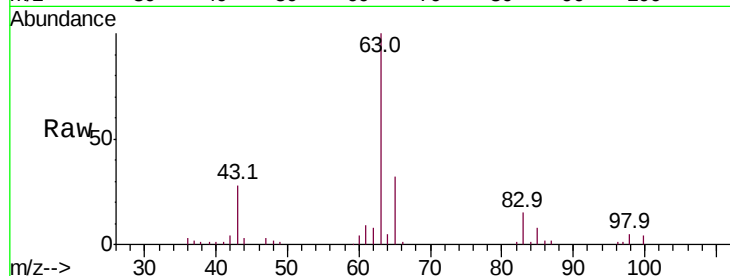
Lab File: VN064295.D

Acq: 23 Oct 2020 18:53

Instrument :
MSVOA_N
ClientSampleId :
VN1023WBSD01

Tot Ion: 63 Resp: 104090

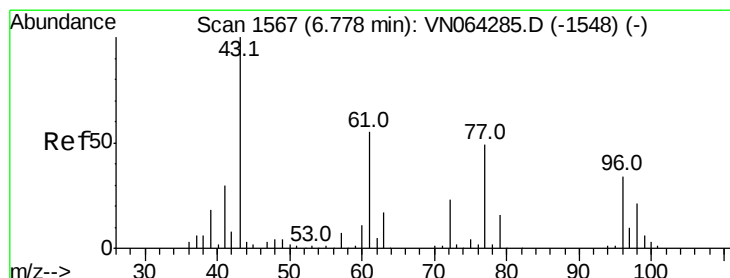
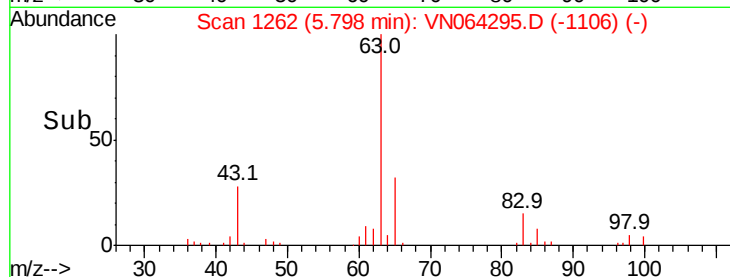
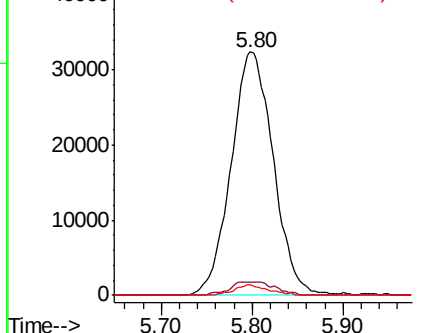
Ion	Ratio	Lower	Upper
63	100		
98	5.3	3.5	10.6
100	4.4	1.6	4.7



Abundance Ion 63.00 (62.70 to 63.70): VN0

Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0



#22

cis-1,2-Dichloroethene

Concen: 18.705 ug/l

RT: 6.78 min Scan# 1568

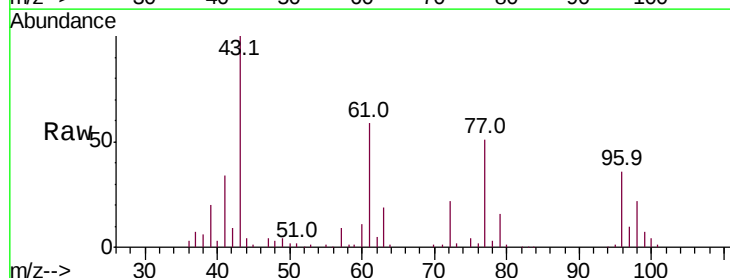
Delta R.T. 0.00 min

Lab File: VN064295.D

Acq: 23 Oct 2020 18:53

Tgt Ion: 96 Resp: 61933

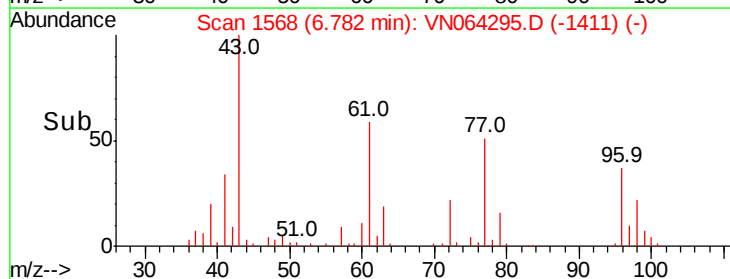
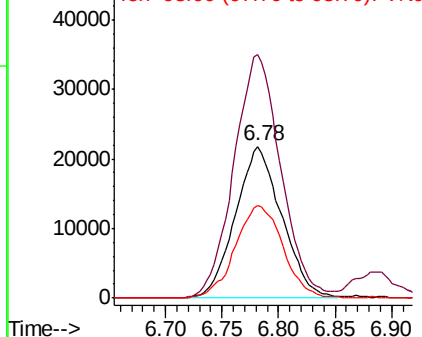
Ion	Ratio	Lower	Upper
96	100		
61	162.6	132.2	198.2
98	63.0	26.5	39.7#

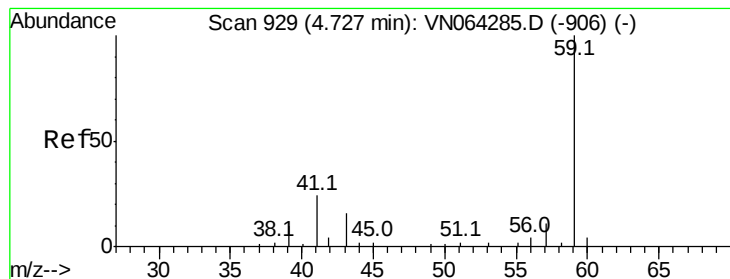


Abundance Ion 96.00 (95.70 to 96.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 98.00 (97.70 to 98.70): VN0





#23

tert-Butyl Alcohol

Concen: 94.066 ug/l

RT: 4.73 min Scan# 929

Delta R.T. -0.00 min

Lab File: VN064295.D

Acq: 23 Oct 2020 18:53

Instrument :

MSVOA_N

ClientSampleId :

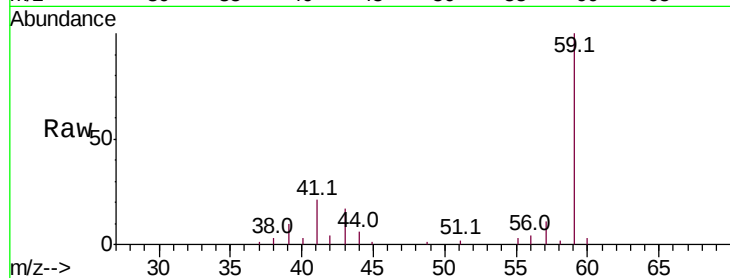
VN1023WBSD01

Tot Ion: 59 Resp: 50121

Ion Ratio Lower Upper

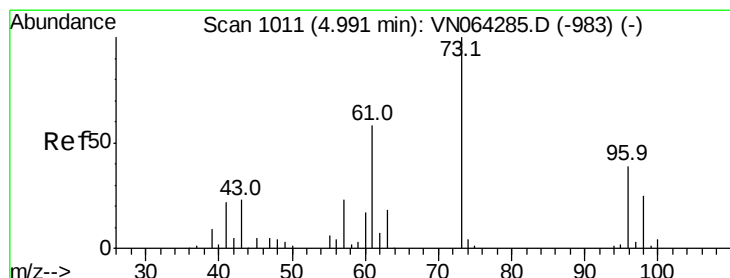
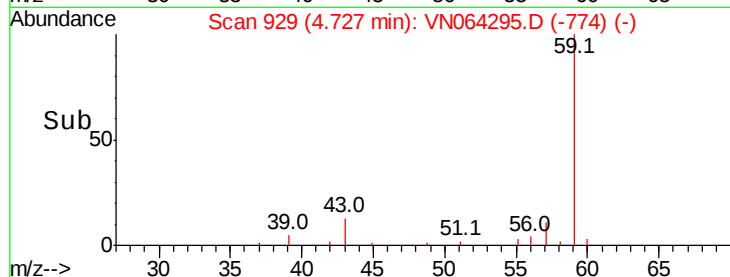
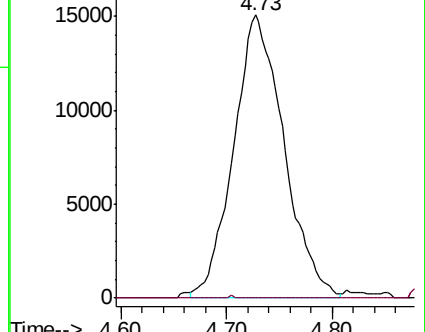
59 100

52 0.0 0.2 0.2#



Abundance Ion 59.00 (58.70 to 59.70): VN064285.D (-906) (-)

Ion 52.00 (51.70 to 52.70): VN064285.D (-906) (-)



#24

Methyl tert-Butyl Ether

Concen: 18.841 ug/l

RT: 4.99 min Scan# 1011

Delta R.T. 0.00 min

Lab File: VN064295.D

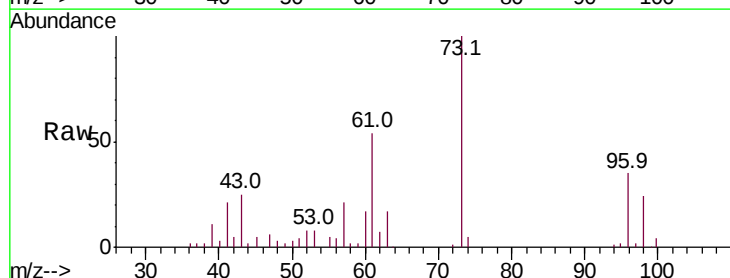
Acq: 23 Oct 2020 18:53

Tgt Ion: 73 Resp: 166157

Ion Ratio Lower Upper

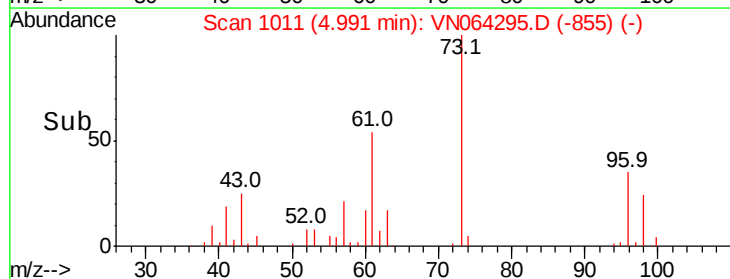
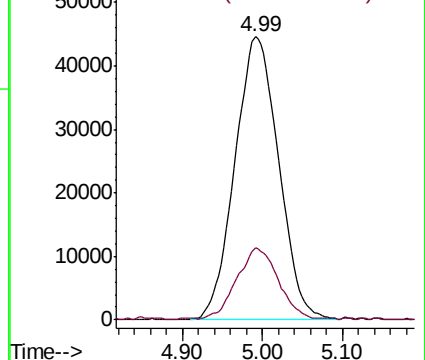
73 100

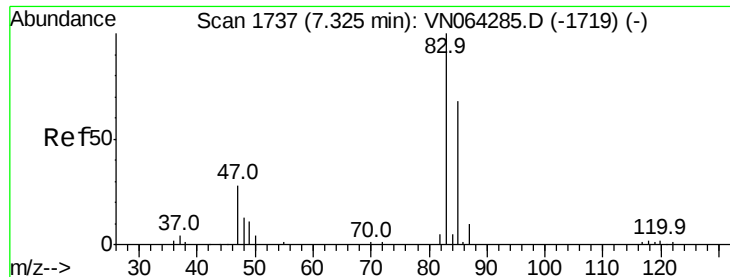
43 23.3 19.7 29.5



Abundance Ion 73.00 (72.70 to 73.70): VN064285.D (-983) (-)

Ion 43.00 (42.70 to 43.70): VN064285.D (-983) (-)

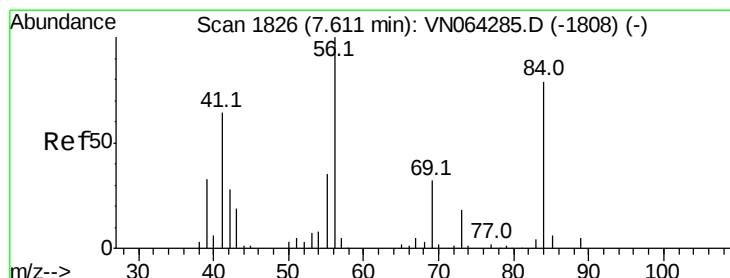
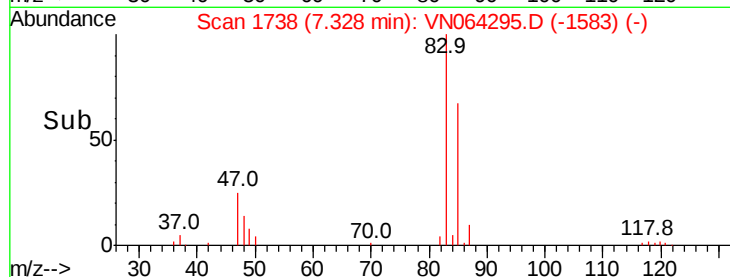
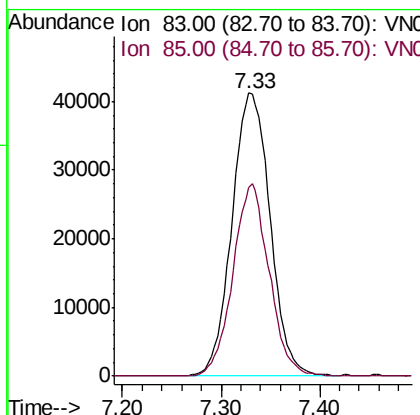
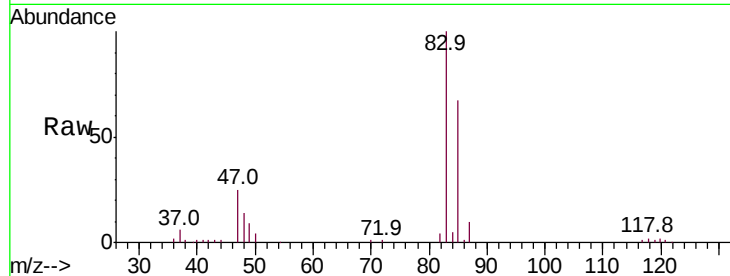




#25
Chloroform
Concen: 18.505 ug/l
RT: 7.33 min Scan# 1738
Delta R.T. -0.00 min
Lab File: VN064295.D
Acq: 23 Oct 2020 18:53

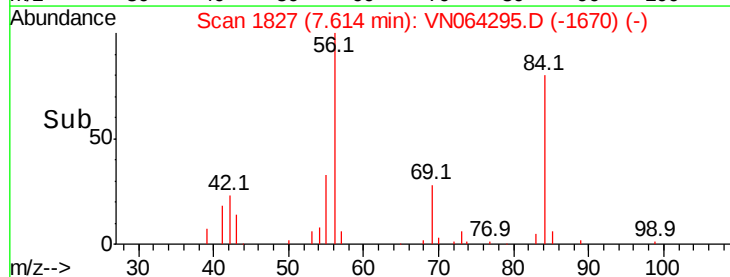
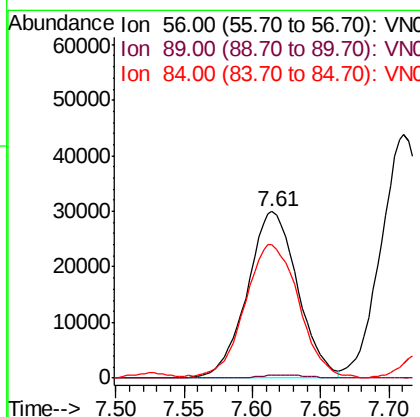
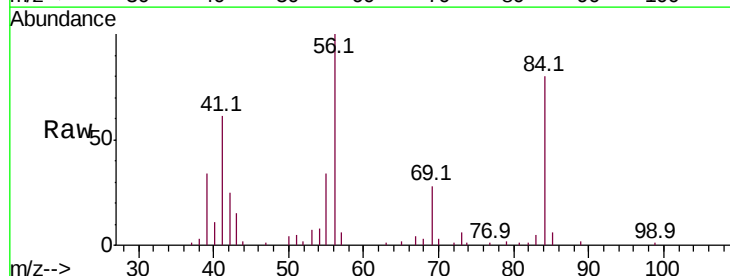
Instrument :
MSVOA_N
ClientSampleId :
VN1023WBSD01

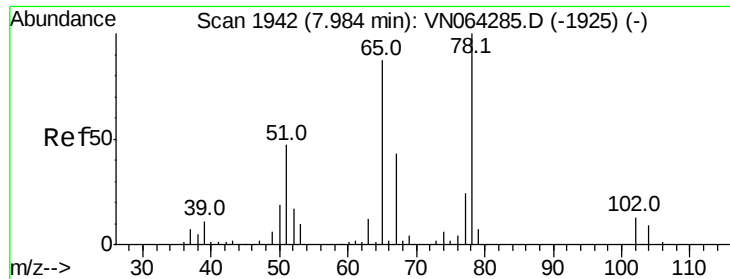
Tot Ion: 83 Resp: 110793
Ion Ratio Lower Upper
83 100
85 66.6 50.3 75.5



#26
Cyclohexane
Concen: 17.961 ug/l
RT: 7.61 min Scan# 1827
Delta R.T. 0.00 min
Lab File: VN064295.D
Acq: 23 Oct 2020 18:53

Tgt Ion: 56 Resp: 77054
Ion Ratio Lower Upper
56 100
89 0.7 3.4 5.2#
84 83.0 66.2 99.2

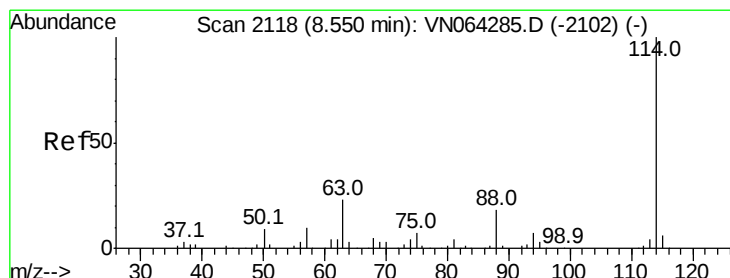
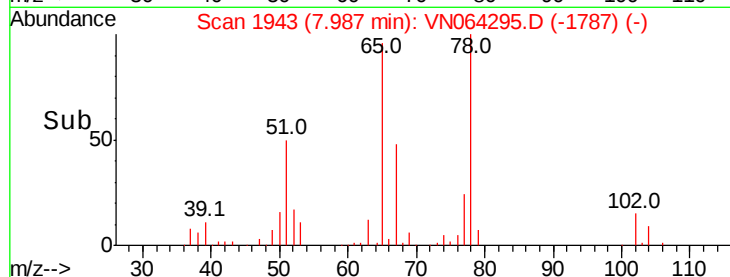
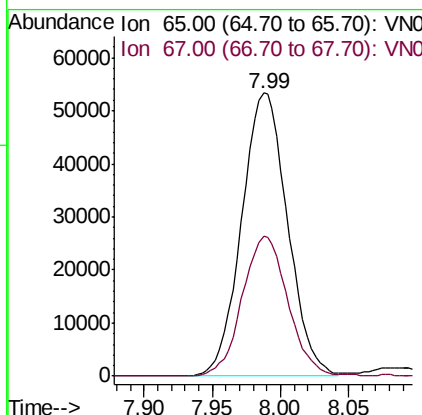
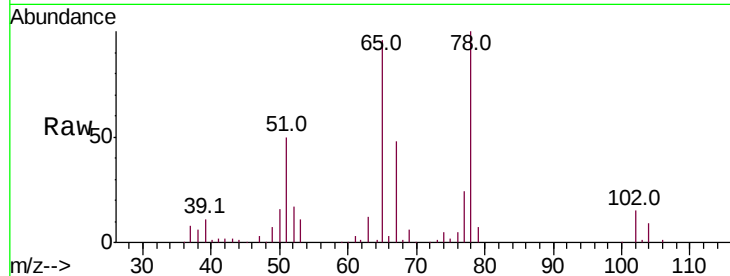




#27
 1,2-Dichloroethane-d4
 Concen: 31.458 ug/l
 RT: 7.99 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VN064295.D
 Acq: 23 Oct 2020 18:53

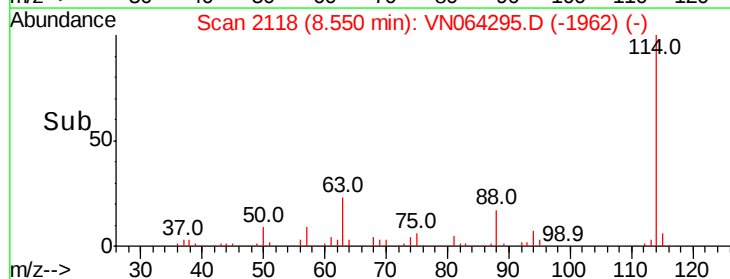
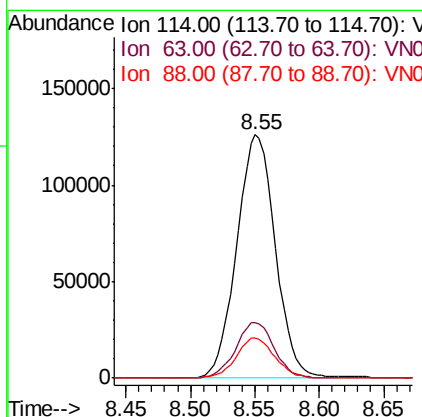
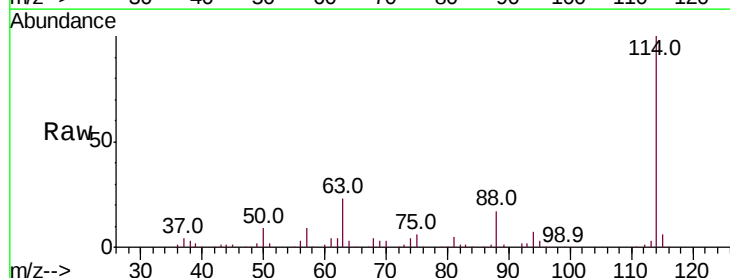
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1023WBSD01

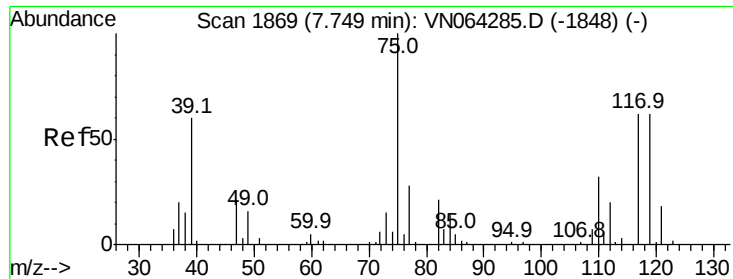
Tot Ion: 65 Resp: 124942
 Ion Ratio Lower Upper
 65 100
 67 48.9 38.4 57.6



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN064295.D
 Acq: 23 Oct 2020 18:53

Tgt Ion: 114 Resp: 262316
 Ion Ratio Lower Upper
 114 100
 63 22.9 17.8 26.8
 88 16.4 13.8 20.8





#29

1,1-Dichloropropene

Concen: 17.615 ug/l

RT: 7.75 min Scan# 1870

Delta R.T. -0.00 min

Lab File: VN064295.D

Acq: 23 Oct 2020 18:53

Instrument :

MSVOA_N

ClientSampleId :

VN1023WBSD01

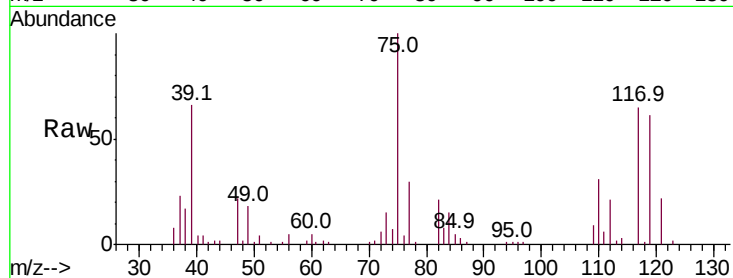
Tot Ion: 75 Resp: 79878

Ion Ratio Lower Upper

75 100

110 33.2 0.0 66.2

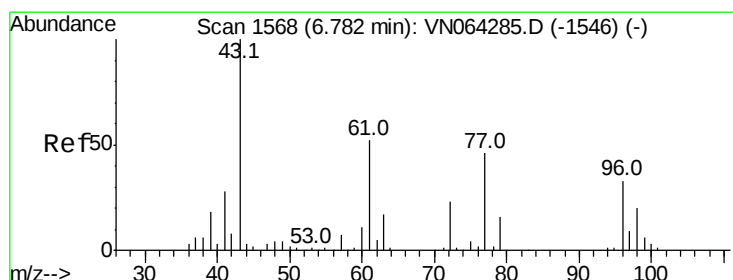
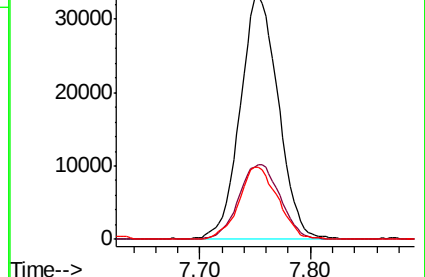
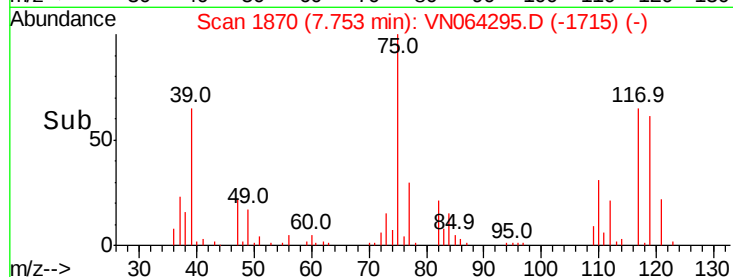
77 30.1 0.0 64.4



Abundance Ion 75.00 (74.70 to 75.70): VN064285.D (-1848) (-)

Ion 110.00 (109.70 to 110.70): VN064285.D (-1848) (-)

Ion 77.00 (76.70 to 77.70): VN064285.D (-1848) (-)



#30

2-Butanone

Concen: 89.929 ug/l

RT: 6.78 min Scan# 1569

Delta R.T. 0.00 min

Lab File: VN064295.D

Acq: 23 Oct 2020 18:53

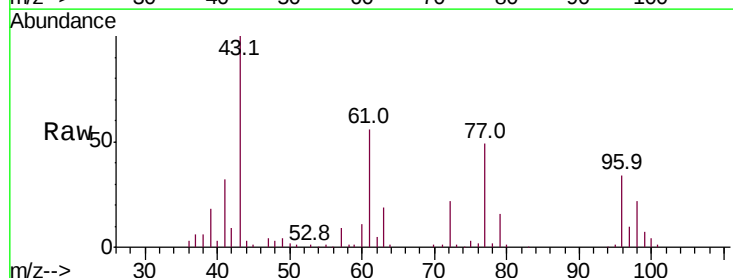
Tgt Ion: 43 Resp: 179100

Ion Ratio Lower Upper

43 100

57 8.3 6.4 9.6

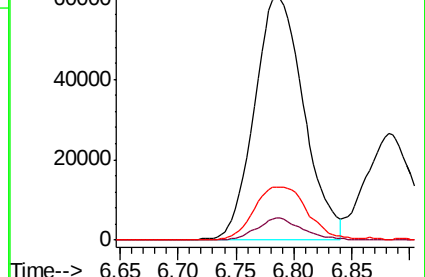
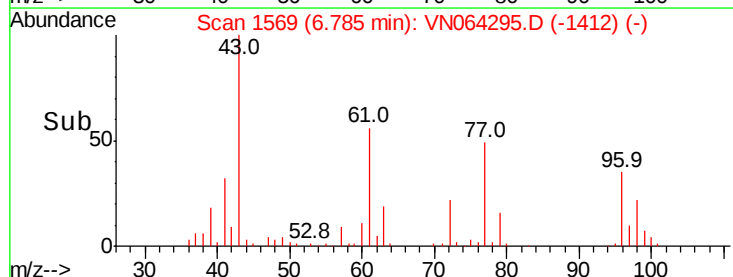
72 23.6 19.4 29.0

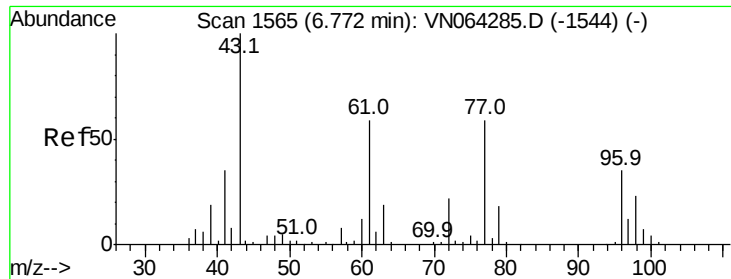


Abundance Ion 43.00 (42.70 to 43.70): VN064285.D (-1546) (-)

Ion 57.00 (56.70 to 57.70): VN064285.D (-1546) (-)

Ion 72.00 (71.70 to 72.70): VN064285.D (-1546) (-)





#31

2,2-Dichloropropane

Concen: 17.928 ug/l

RT: 6.77 min Scan# 1565

Delta R.T. -0.01 min

Lab File: VN064295.D

Acq: 23 Oct 2020 18:53

Instrument :

MSVOA_N

ClientSampleId :

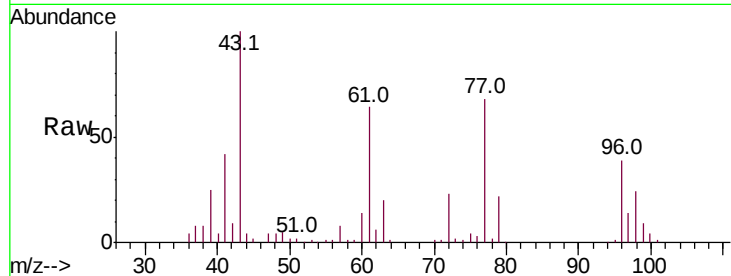
VN1023WBSD01

Tot Ion: 77 Resp: 101748

Ion Ratio Lower Upper

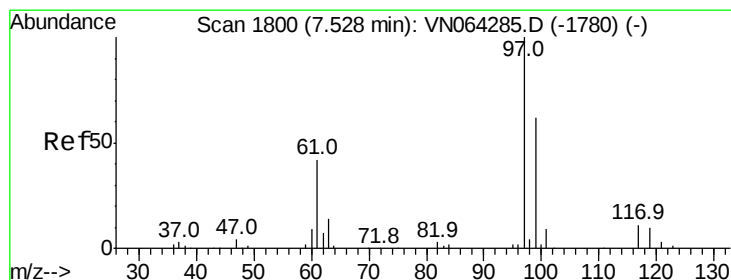
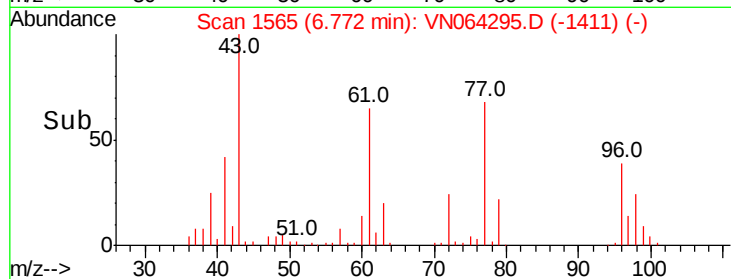
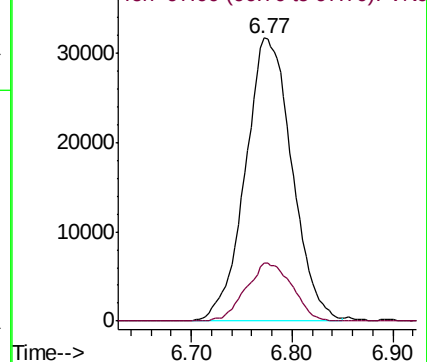
77 100

97 20.2 15.1 22.7



Abundance Ion 77.00 (76.70 to 77.70): VN0

Ion 97.00 (96.70 to 97.70): VN0



#32

1,1,1-Trichloroethane

Concen: 18.234 ug/l

RT: 7.53 min Scan# 1801

Delta R.T. 0.00 min

Lab File: VN064295.D

Acq: 23 Oct 2020 18:53

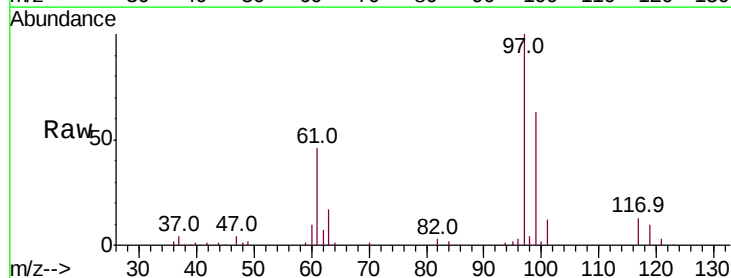
Tgt Ion: 97 Resp: 105653

Ion Ratio Lower Upper

97 100

99 63.8 54.4 81.6

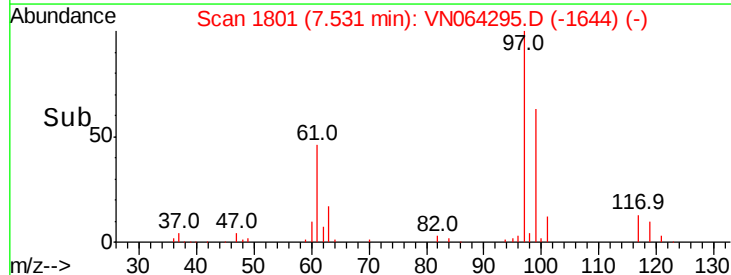
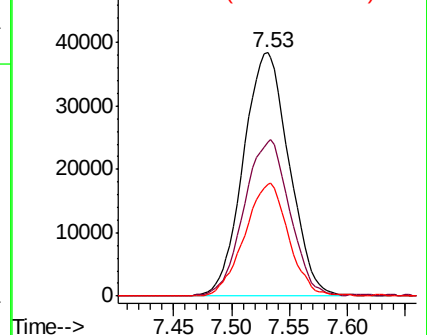
61 44.2 37.5 56.3

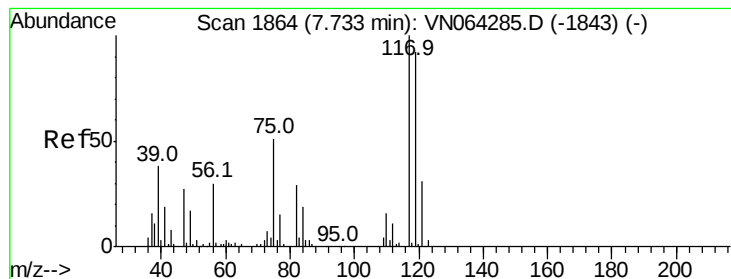


Abundance Ion 97.00 (96.70 to 97.70): VN0

Ion 99.00 (98.70 to 99.70): VN0

Ion 61.00 (60.70 to 61.70): VN0





#33

Carbon Tetrachloride

Concen: 17.751 ug/l

RT: 7.73 min Scan# 1864

Delta R.T. 0.00 min

Lab File: VN064295.D

Acq: 23 Oct 2020 18:53

Instrument :

MSVOA_N

ClientSampleId :

VN1023WBSD01

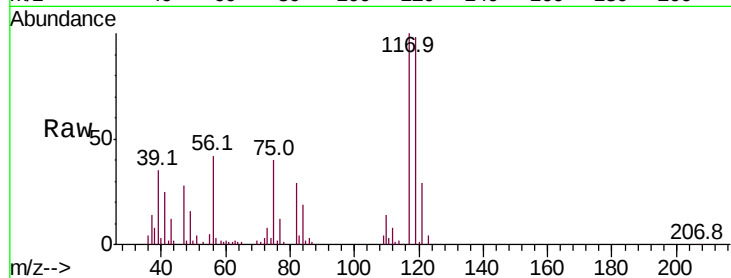
Tot Ion:117 Resp: 92140

Ion Ratio Lower Upper

117 100

119 98.4 80.1 120.1

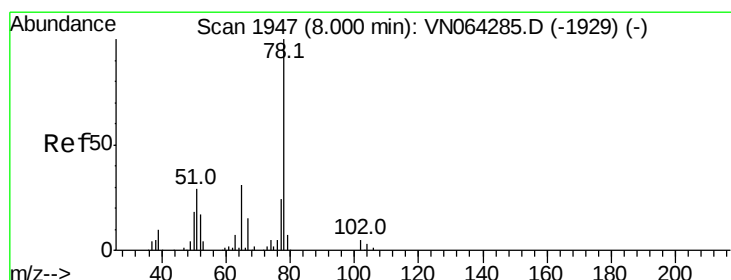
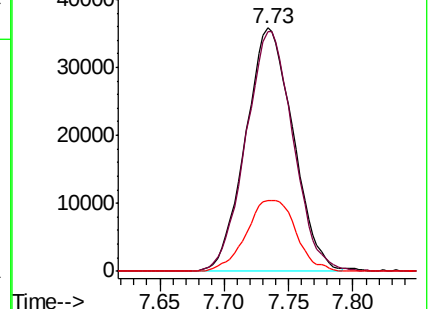
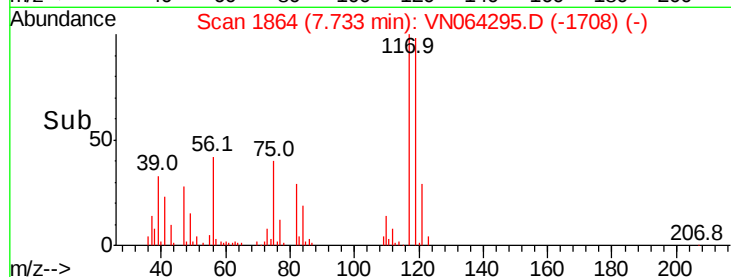
121 28.9 26.2 39.2



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: 17.929 ug/l

RT: 8.00 min Scan# 1948

Delta R.T. 0.00 min

Lab File: VN064295.D

Acq: 23 Oct 2020 18:53

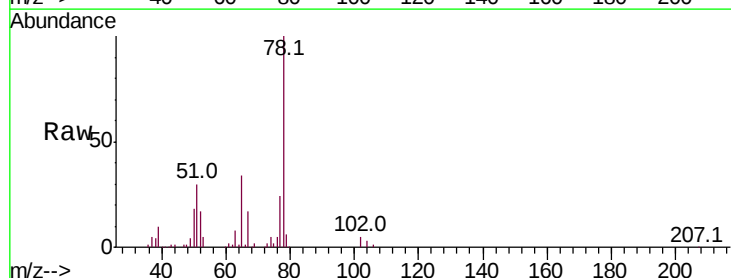
Tgt Ion: 78 Resp: 222189

Ion Ratio Lower Upper

78 100

77 24.1 19.2 28.8

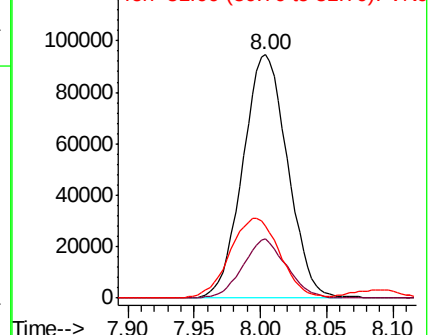
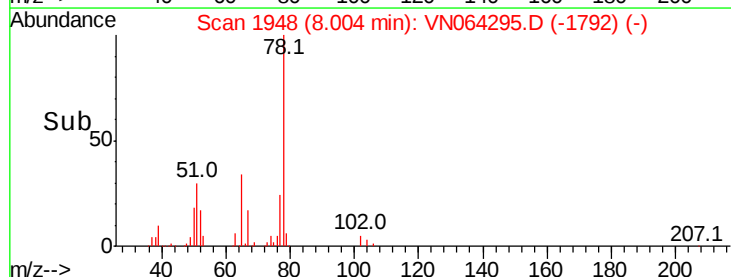
51 28.9 25.2 37.8

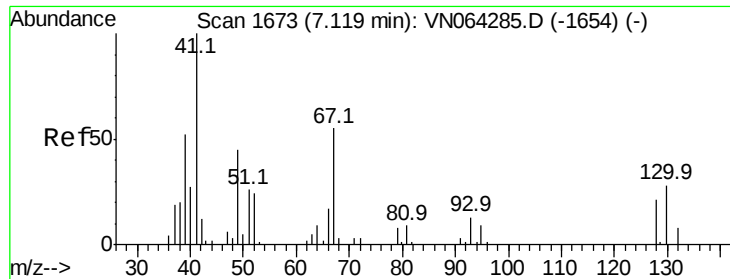


Abundance Ion 78.10 (77.80 to 78.80): V

Ion 77.00 (76.70 to 77.70): V

Ion 51.00 (50.70 to 51.70): V

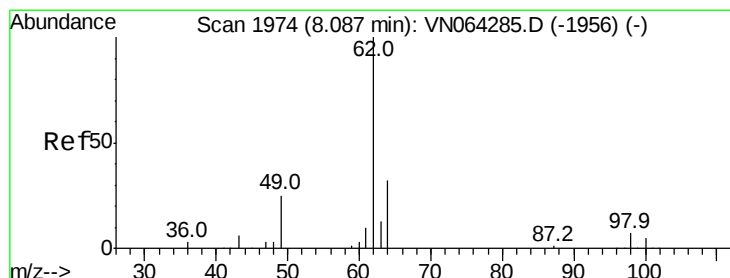
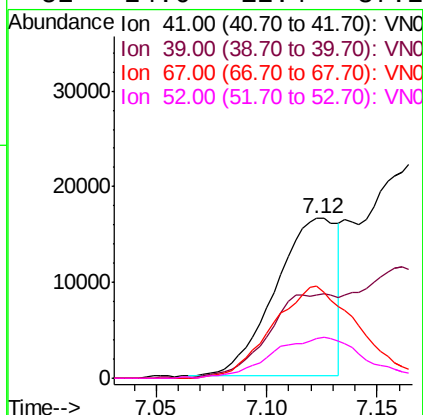
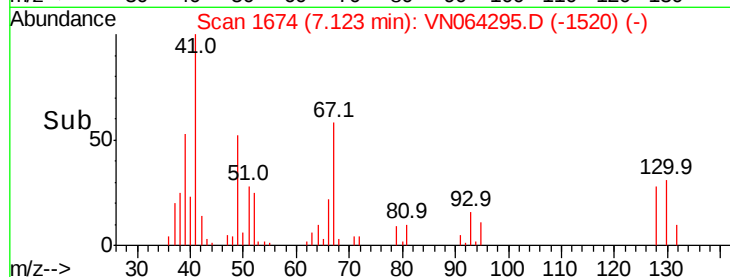
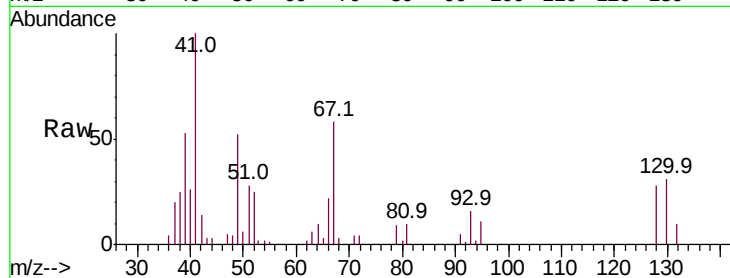




#35
Methacrylonitrile
Concen: 16.057 ug/l
RT: 7.12 min Scan# 1674
Delta R.T. -0.01 min
Lab File: VN064295.D
Acq: 23 Oct 2020 18:53

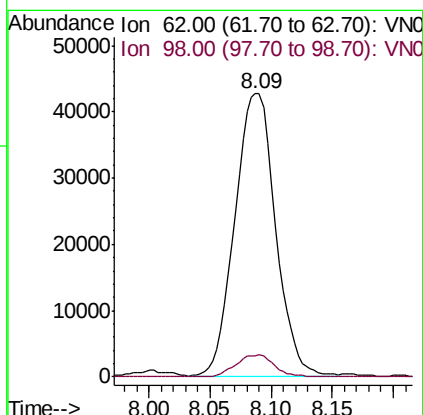
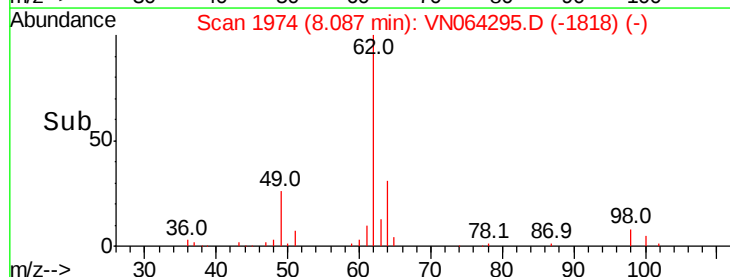
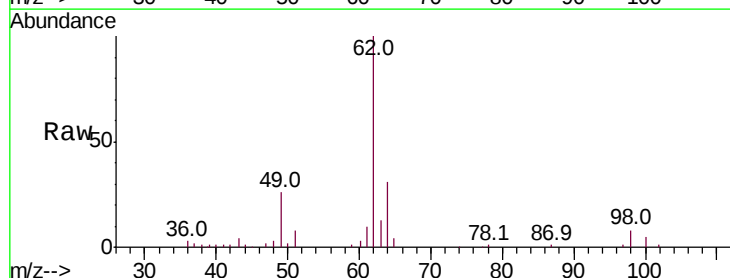
Instrument :
MSVOA_N
ClientSampleId :
VN1023WBSD01

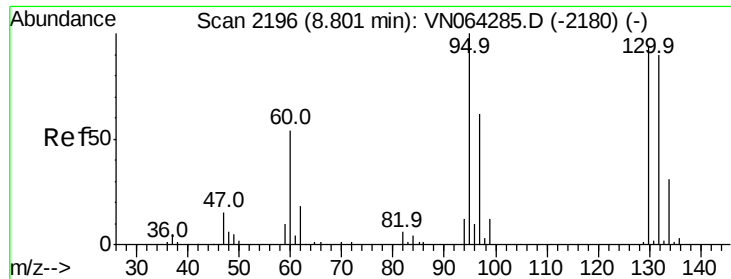
Tot Ion: 41 Resp: 32241
Ion Ratio Lower Upper
41 100
39 53.3 28.0 83.9
67 58.5 29.9 89.8
52 24.6 12.4 37.2



#36
1,2-Dichloroethane
Concen: 18.545 ug/l
RT: 8.09 min Scan# 1974
Delta R.T. 0.00 min
Lab File: VN064295.D
Acq: 23 Oct 2020 18:53

Tgt Ion: 62 Resp: 97986
Ion Ratio Lower Upper
62 100
98 3.5 5.4 8.0#





#37

Trichloroethene

Concen: 18.262 ug/l

RT: 8.80 min Scan# 2196

Delta R.T. 0.00 min

Lab File: VN064295.D

Acq: 23 Oct 2020 18:53

Instrument :

MSVOA_N

ClientSampleId :

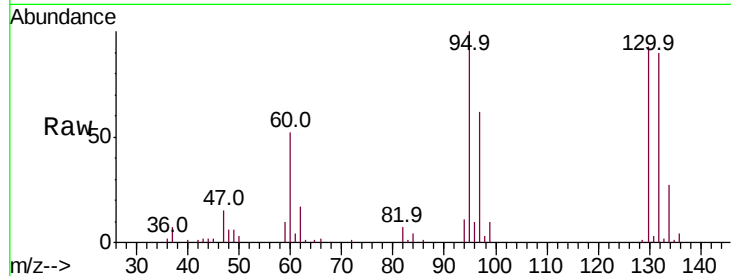
VN1023WBSD01

Tot Ion:130 Resp: 62281

Ion Ratio Lower Upper

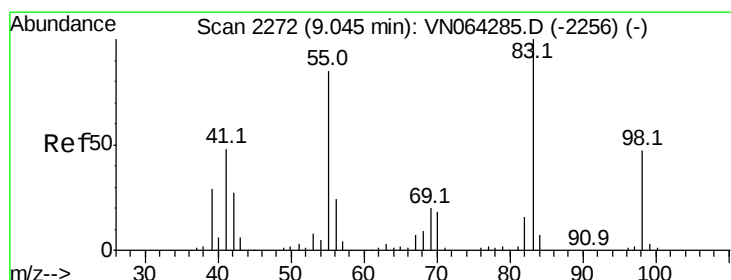
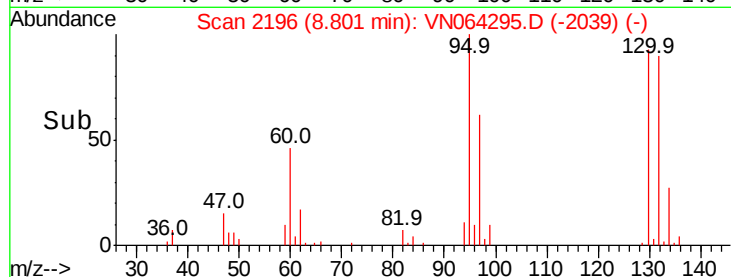
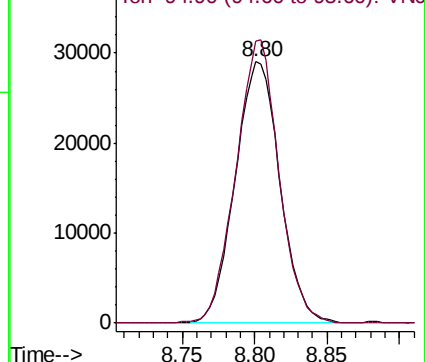
130 100

95 107.9 81.2 121.8



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VN



#38

Methylcyclohexane

Concen: 17.565 ug/l

RT: 9.05 min Scan# 2272

Delta R.T. 0.00 min

Lab File: VN064295.D

Acq: 23 Oct 2020 18:53

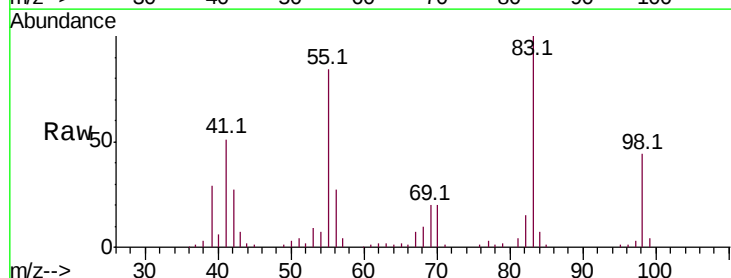
Tgt Ion: 83 Resp: 72717

Ion Ratio Lower Upper

83 100

55 80.4 40.3 120.9

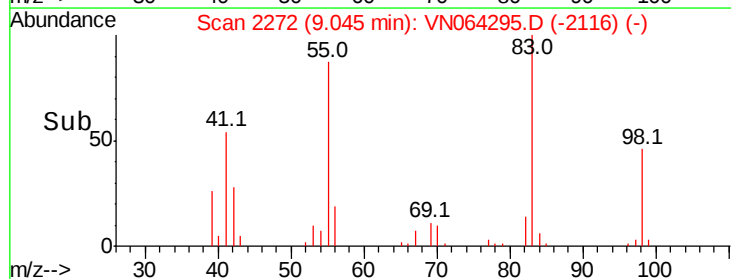
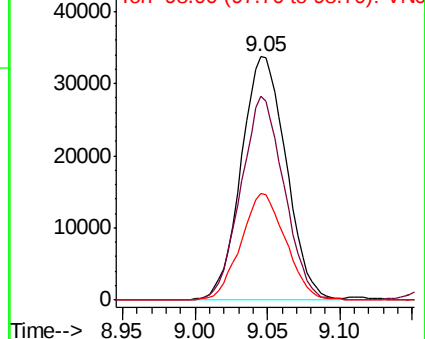
98 43.5 25.3 75.8

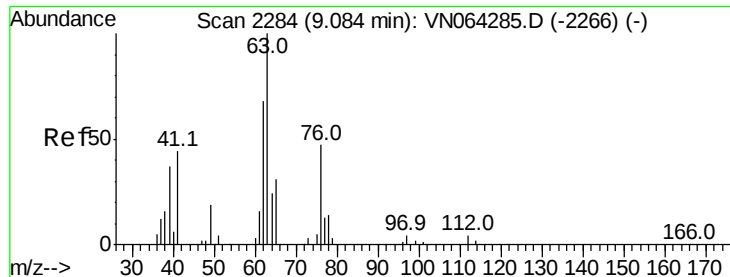


Abundance Ion 83.00 (82.70 to 83.70): VN

Ion 55.00 (54.70 to 55.70): VN

Ion 98.00 (97.70 to 98.70): VN





#39

1,2-Dichloropropane

Concen: 17.856 ug/l

RT: 9.08 min Scan# 2284

Delta R.T. 0.00 min

Lab File: VN064295.D

Acq: 23 Oct 2020 18:53

Instrument :

MSVOA_N

ClientSampleId :

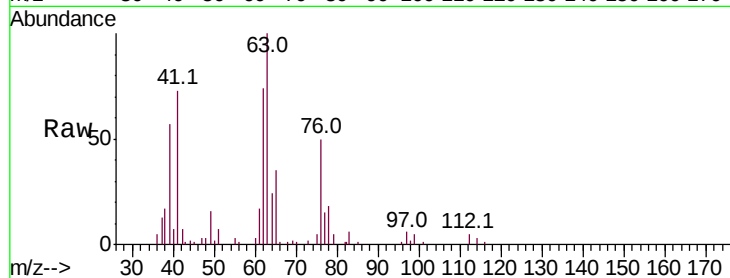
VN1023WBSD01

Tot Ion: 63 Resp: 59155

Ion Ratio Lower Upper

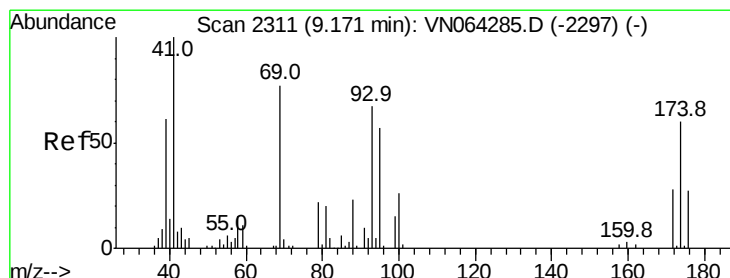
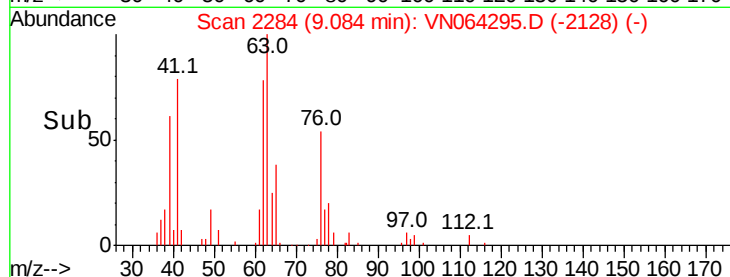
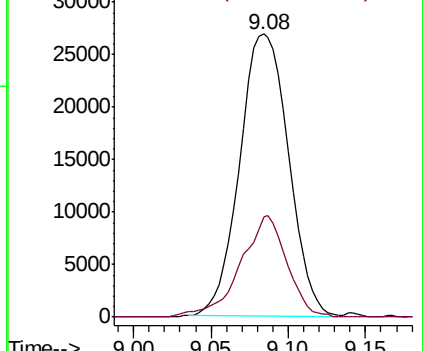
63 100

65 35.4 26.1 39.1



Abundance Ion 63.00 (62.70 to 63.70): VN0

Ion 65.00 (64.70 to 65.70): VN0



#40

Dibromomethane

Concen: 18.440 ug/l

RT: 9.17 min Scan# 2312

Delta R.T. 0.00 min

Lab File: VN064295.D

Acq: 23 Oct 2020 18:53

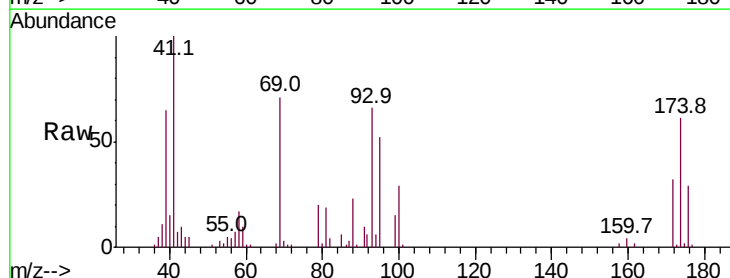
Tgt Ion: 93 Resp: 42742

Ion Ratio Lower Upper

93 100

95 80.8 0.0 156.6

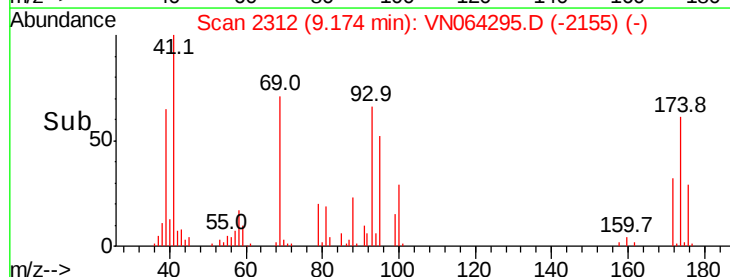
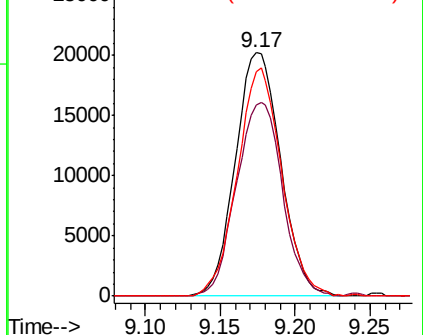
174 91.3 0.0 168.8

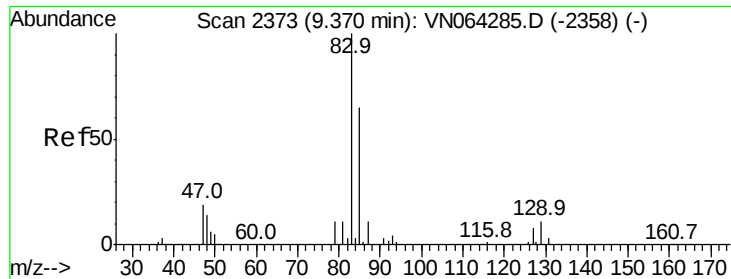


Abundance Ion 93.00 (92.70 to 93.70): VN0

Ion 95.00 (94.70 to 95.70): VN0

Ion 174.00 (173.70 to 174.70): V





#41

Bromodichloromethane

Concen: 17.825 ug/l

RT: 9.37 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN064295.D

Acq: 23 Oct 2020 18:53

Instrument :

MSVOA_N

ClientSampleId :

VN1023WBSD01

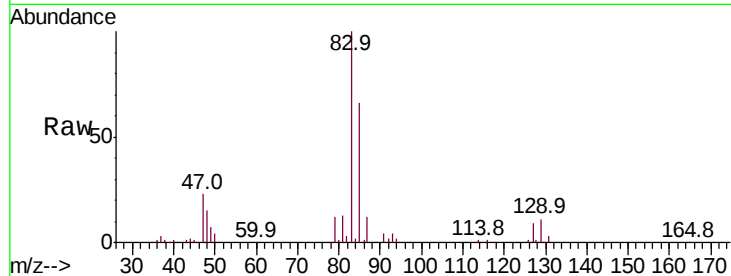
Tot Ion: 83 Resp: 89600

Ion Ratio Lower Upper

83 100

85 66.2 57.8 86.6

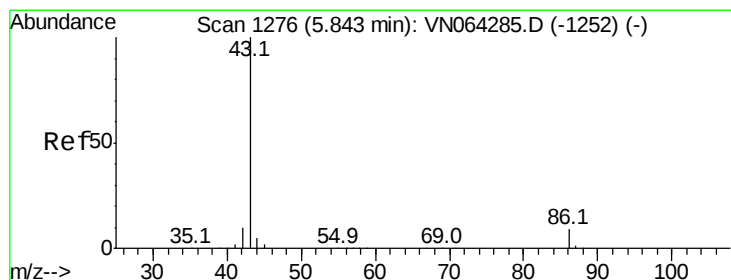
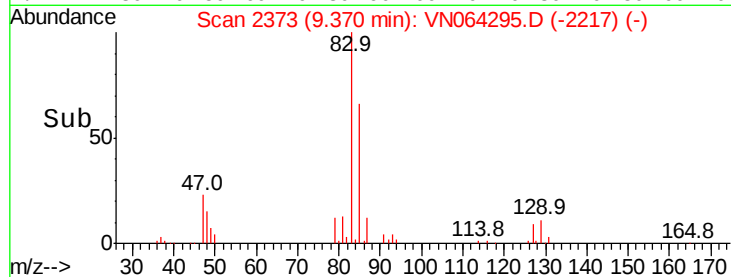
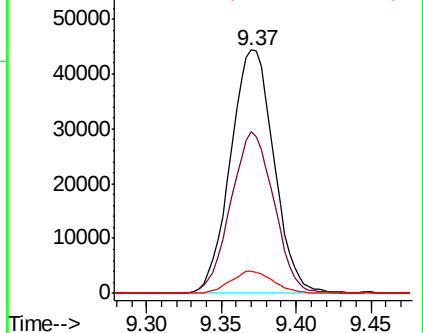
127 9.7 7.0 10.4



Abundance Ion 83.00 (82.70 to 83.70): VN064285.D (-2358) (-)

Ion 85.00 (84.70 to 85.70): VN064285.D (-2358) (-)

Ion 127.00 (126.70 to 127.70): VN064285.D (-2358) (-)



#42

Vinyl Acetate

Concen: 89.947 ug/l

RT: 5.85 min Scan# 1277

Delta R.T. 0.00 min

Lab File: VN064295.D

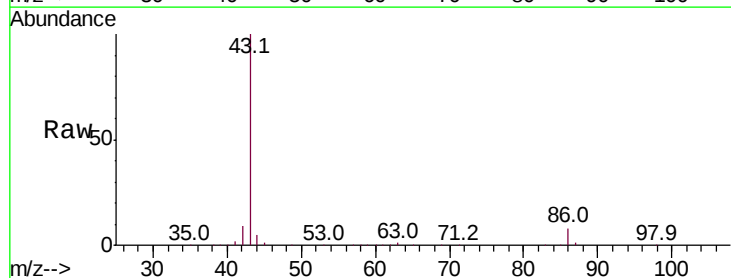
Acq: 23 Oct 2020 18:53

Tgt Ion: 43 Resp: 790098

Ion Ratio Lower Upper

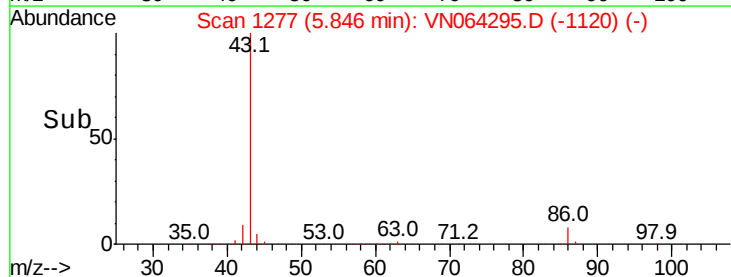
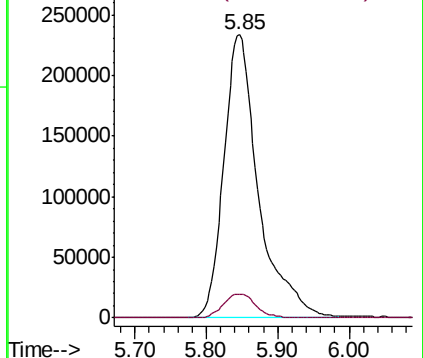
43 100

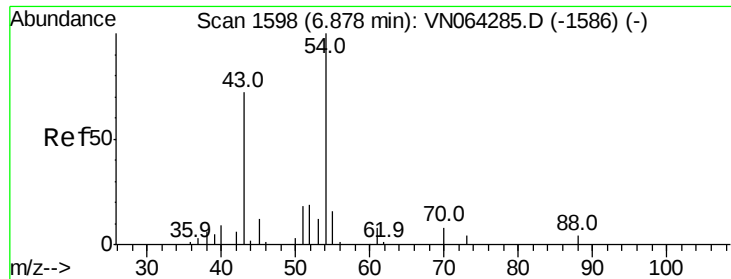
86 7.8 6.6 9.8



Abundance Ion 43.00 (42.70 to 43.70): VN064285.D (-1252) (-)

Ion 86.00 (85.70 to 86.70): VN064285.D (-1252) (-)

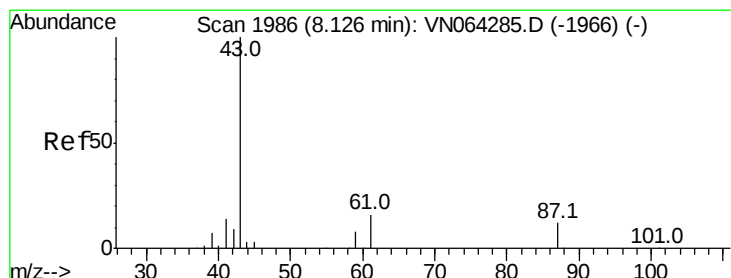
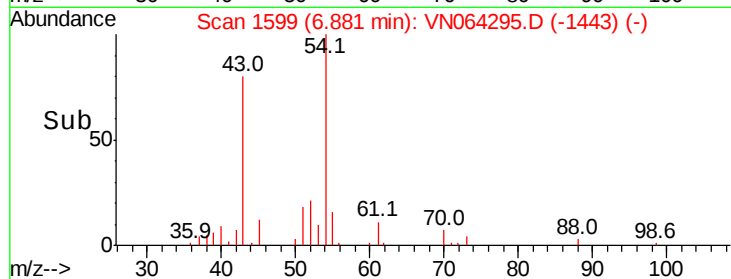
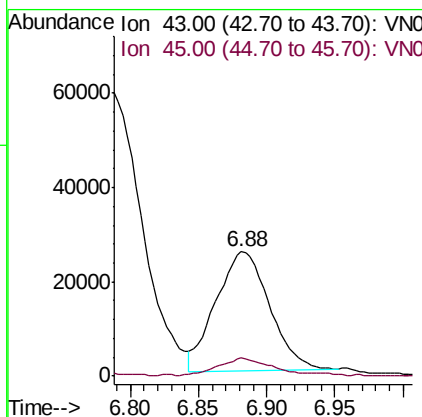
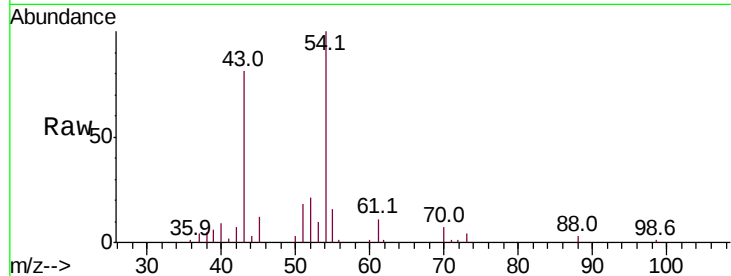




#43
Ethyl Acetate
Concen: 16.357 ug/l
RT: 6.88 min Scan# 1599
Delta R.T. 0.00 min
Lab File: VN064295.D
Acq: 23 Oct 2020 18:53

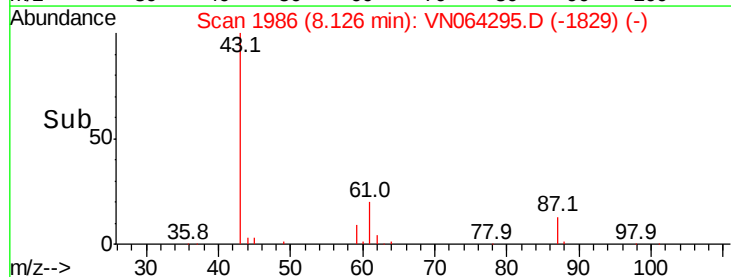
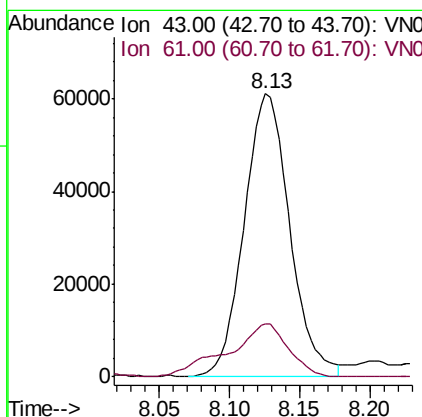
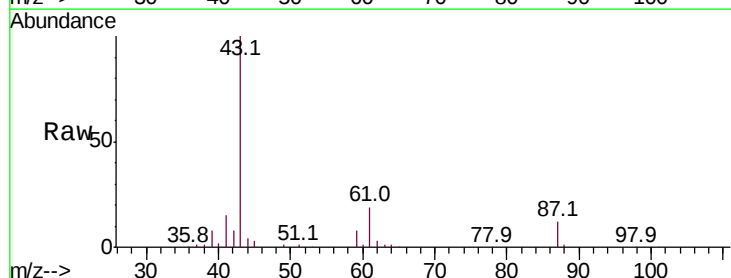
Instrument :
MSVOA_N
ClientSampleId :
VN1023WBSD01

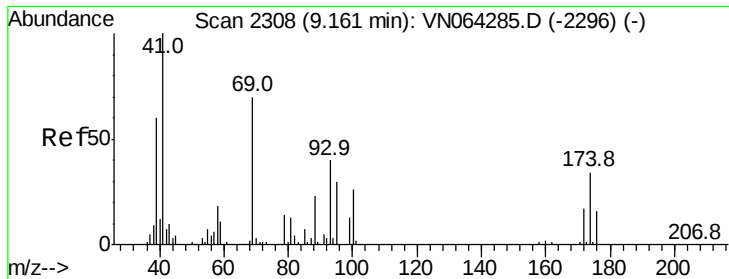
Tot Ion: 43 Resp: 68963
Ion Ratio Lower Upper
43 100
45 13.4 8.2 12.4#



#44
Isopropyl Acetate
Concen: 18.319 ug/l
RT: 8.13 min Scan# 1986
Delta R.T. 0.00 min
Lab File: VN064295.D
Acq: 23 Oct 2020 18:53

Tgt Ion: 43 Resp: 138527
Ion Ratio Lower Upper
43 100
61 23.9 19.9 29.9

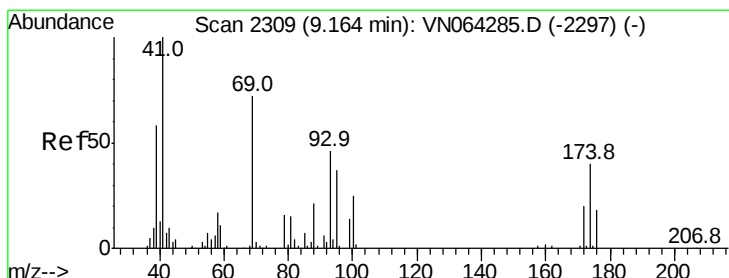
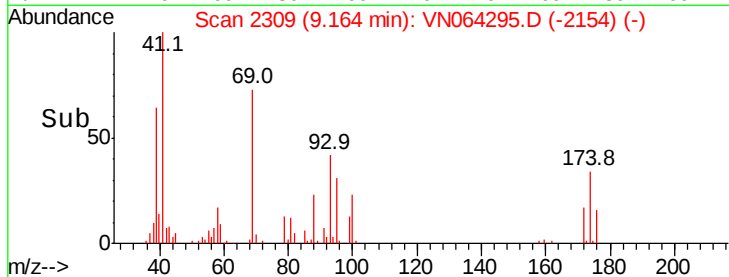
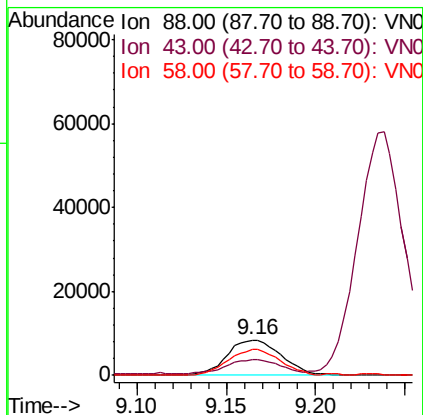
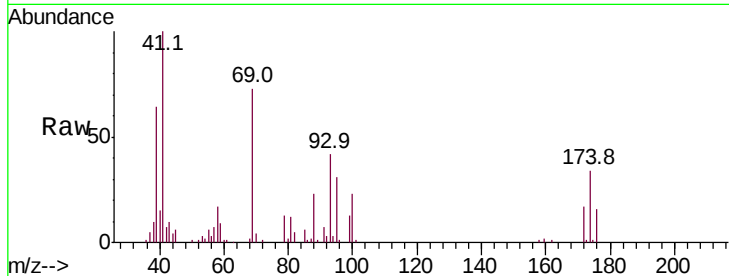




#45
 1,4-Dioxane
 Concen: 388.588 ug/l
 RT: 9.16 min Scan# 2309
 Delta R.T. -0.00 min
 Lab File: VN064295.D
 Acq: 23 Oct 2020 18:53

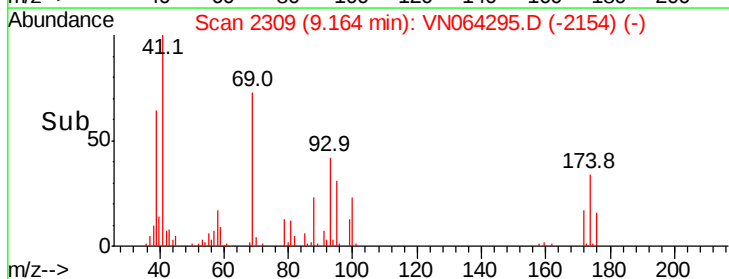
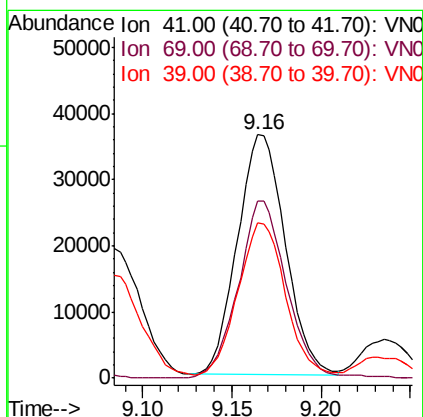
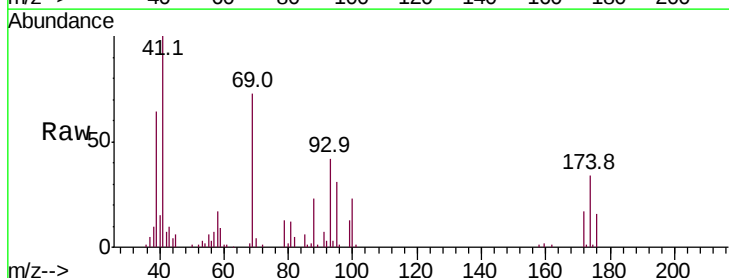
Instrument :
 MSVOA_N
 ClientSampled :
 VN1023WBSD01

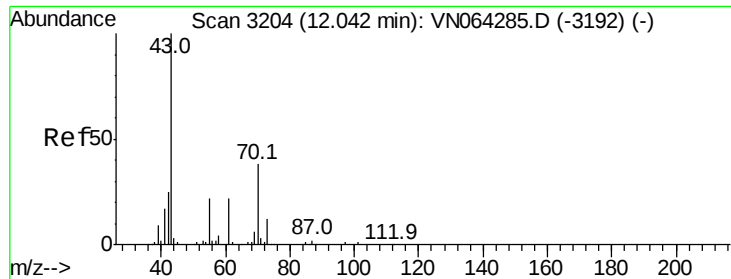
Tot Ion: 88 Resp: 17946
 Ion Ratio Lower Upper
 88 100
 43 39.1 34.7 52.1
 58 69.7 65.8 98.6



#46
 Methyl methacrylate
 Concen: 18.661 ug/l
 RT: 9.16 min Scan# 2309
 Delta R.T. -0.00 min
 Lab File: VN064295.D
 Acq: 23 Oct 2020 18:53

Tgt Ion: 41 Resp: 68229
 Ion Ratio Lower Upper
 41 100
 69 73.7 32.6 97.7
 39 62.9 31.1 93.3

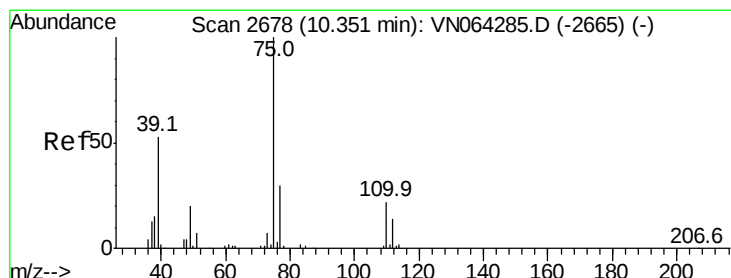
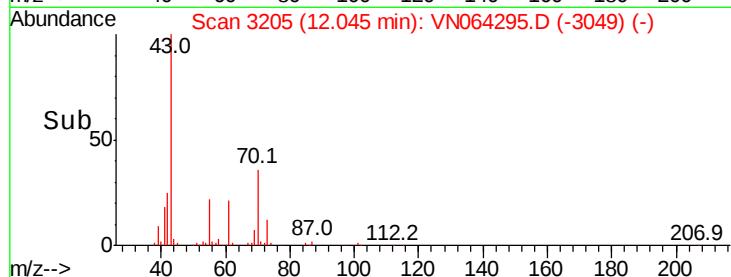
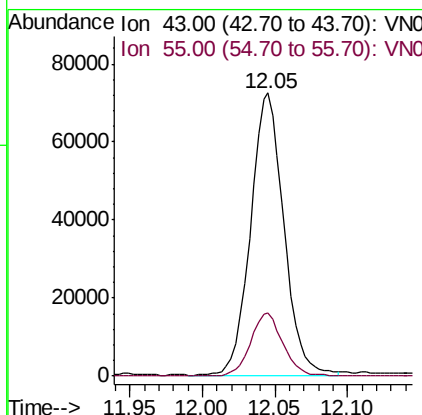
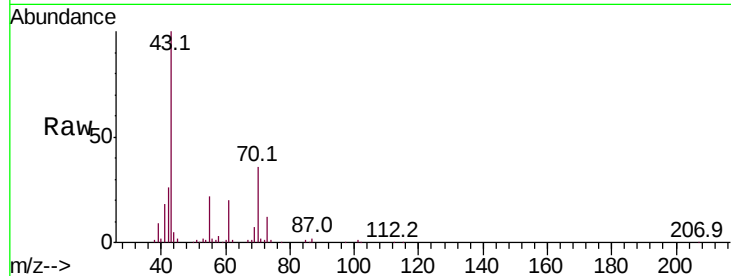




#47
 n-amvl Acetate
 Concen: 17.675 ug/l
 RT: 12.05 min Scan# 3205
 Delta R.T. 0.00 min
 Lab File: VN064295.D
 Acq: 23 Oct 2020 18:53

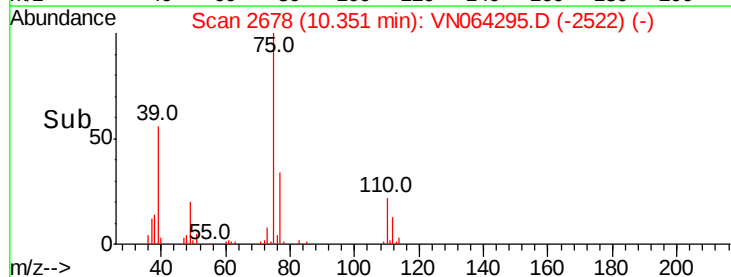
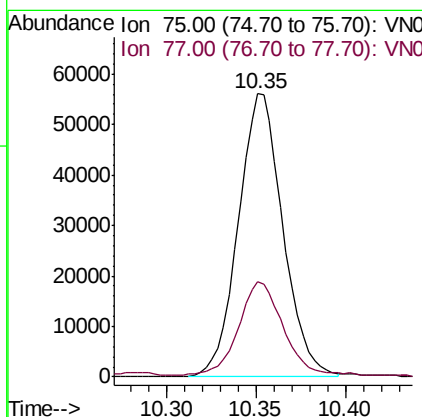
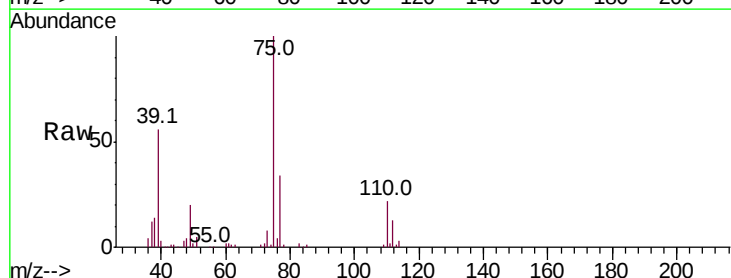
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1023WBSD01

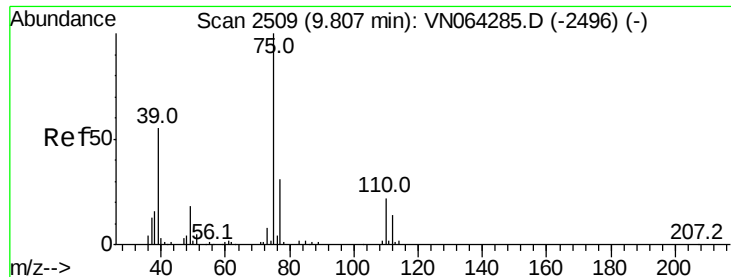
Tot Ion: 43 Resp: 115320
 Ion Ratio Lower Upper
 43 100
 55 21.6 18.2 27.2



#48
 t-1,3-Dichloropropene
 Concen: 17.413 ug/l
 RT: 10.35 min Scan# 2678
 Delta R.T. 0.00 min
 Lab File: VN064295.D
 Acq: 23 Oct 2020 18:53

Tgt Ion: 75 Resp: 97713
 Ion Ratio Lower Upper
 75 100
 77 32.7 25.4 38.0

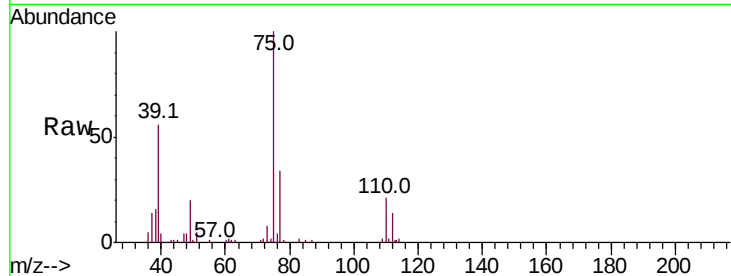




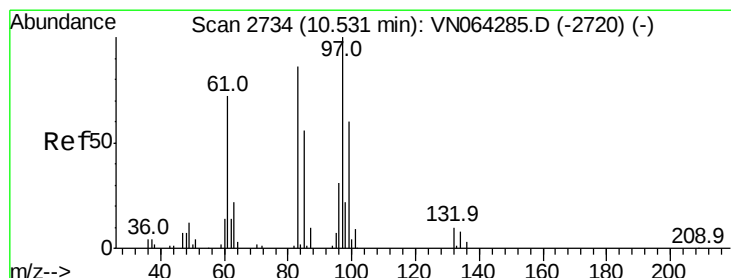
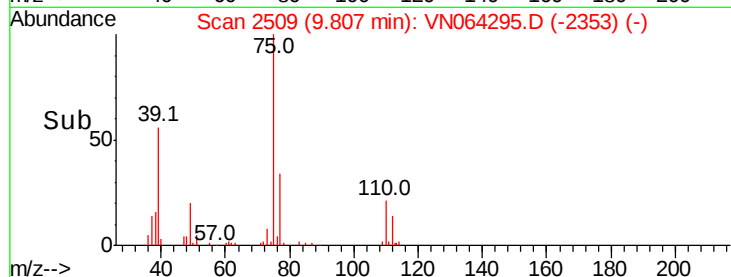
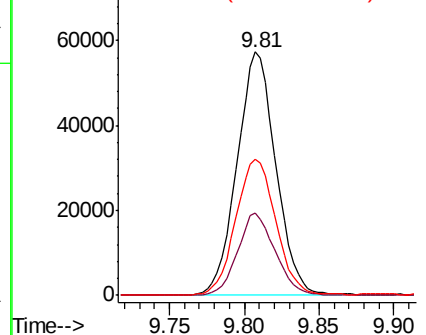
#49
 cis-1,3-Dichloropropene
 Concen: 17.756 ug/l
 RT: 9.81 min Scan# 2509
 Delta R.T. 0.00 min
 Lab File: VN064295.D
 Acq: 23 Oct 2020 18:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1023WBSD01

Tot Ion: 75 Resp: 103482
 Ion Ratio Lower Upper
 75 100
 77 33.6 23.7 35.5
 39 56.0 46.9 70.3



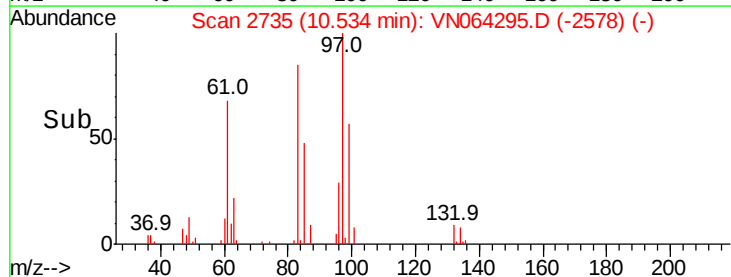
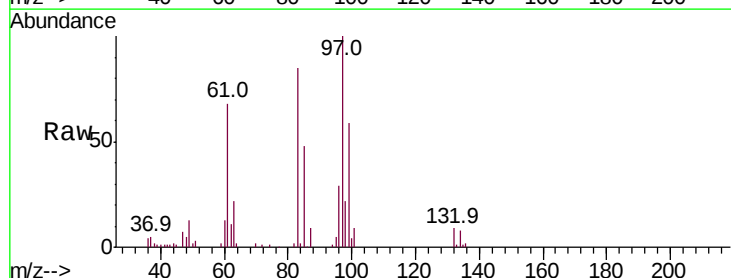
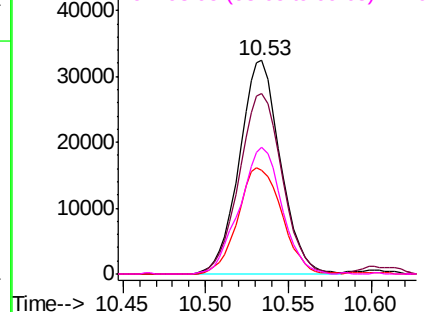
Abundance Ion 75.00 (74.70 to 75.70): VNO
 Ion 77.00 (76.70 to 77.70): VNO
 Ion 39.00 (38.70 to 39.70): VNO

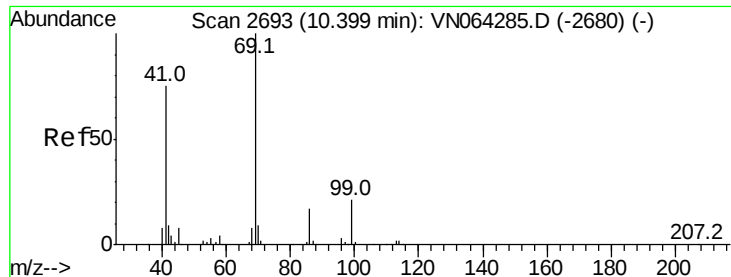


#50
 1,1,2-Trichloroethane
 Concen: 18.307 ug/l
 RT: 10.53 min Scan# 2735
 Delta R.T. 0.00 min
 Lab File: VN064295.D
 Acq: 23 Oct 2020 18:53

Tgt Ion: 97 Resp: 55895
 Ion Ratio Lower Upper
 97 100
 83 84.6 68.9 103.3
 85 48.4 37.8 56.8
 99 59.1 51.0 76.6

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: 17.821 ug/l

RT: 10.40 min Scan# 2693

Delta R.T. 0.00 min

Lab File: VN064295.D

Acq: 23 Oct 2020 18:53

Instrument :

MSVOA_N

ClientSampleId :

VN1023WBSD01

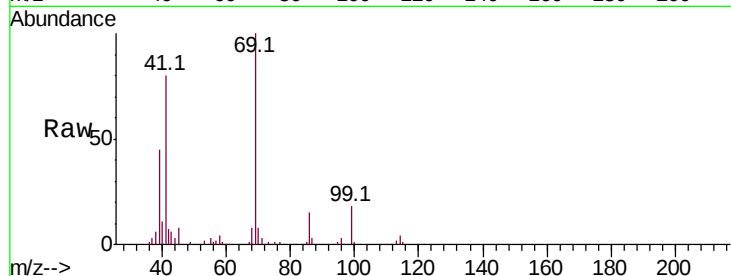
Tot Ion: 69 Resp: 83692

Ion Ratio Lower Upper

69 100

41 79.5 43.6 130.9

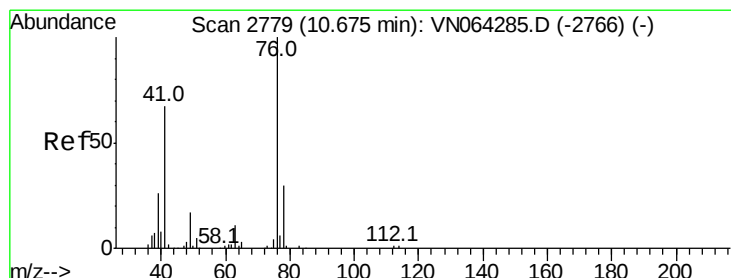
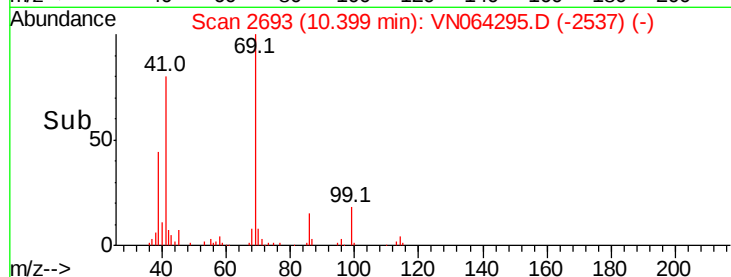
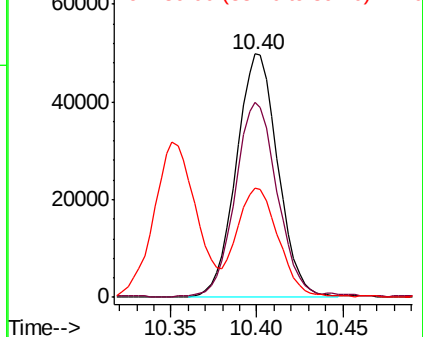
39 44.2 25.8 77.3



Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0



#52

1,3-Dichloropropane

Concen: 18.407 ug/l

RT: 10.68 min Scan# 2780

Delta R.T. 0.00 min

Lab File: VN064295.D

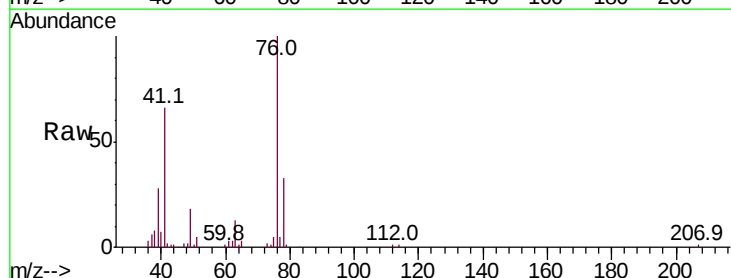
Acq: 23 Oct 2020 18:53

Tgt Ion: 76 Resp: 99373

Ion Ratio Lower Upper

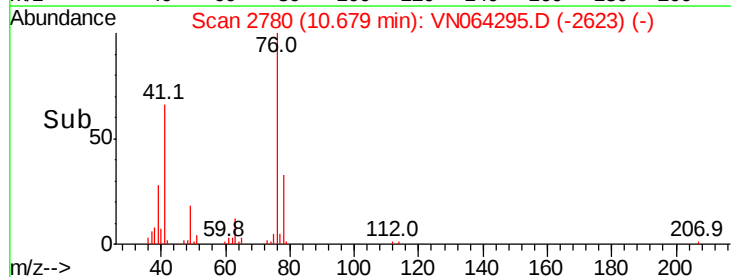
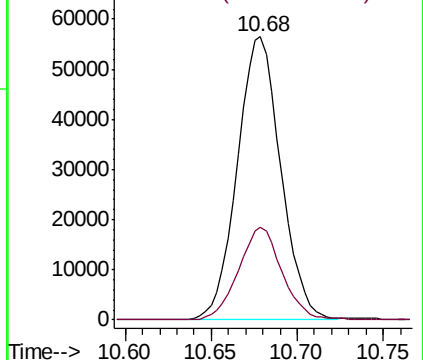
76 100

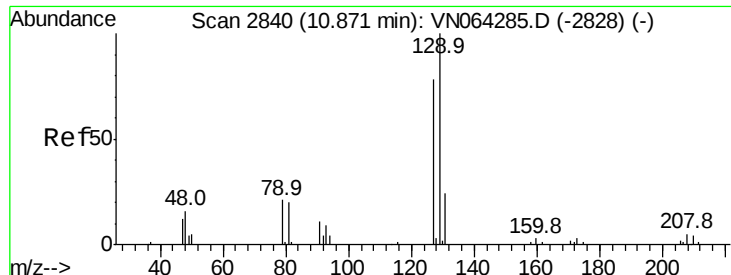
78 32.7 0.0 64.6



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0





#53

Dibromochloromethane

Concen: 17.410 ug/l

RT: 10.87 min Scan# 2841

Delta R.T. 0.00 min

Lab File: VN064295.D

Acq: 23 Oct 2020 18:53

Instrument :

MSVOA_N

ClientSampleId :

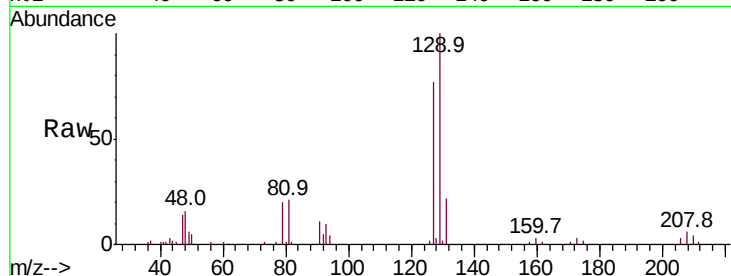
VN1023WBSD01

Tot Ion:129 Resp: 66414

Ion Ratio Lower Upper

129 100

127 77.6 42.4 127.2



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

40000

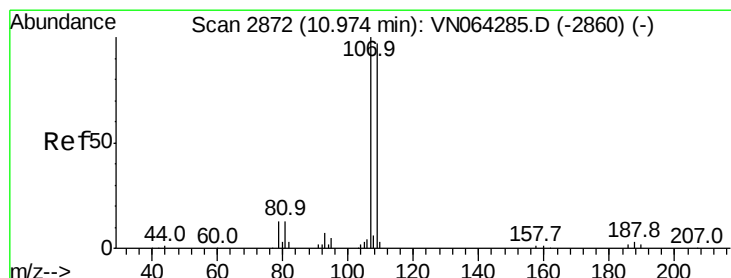
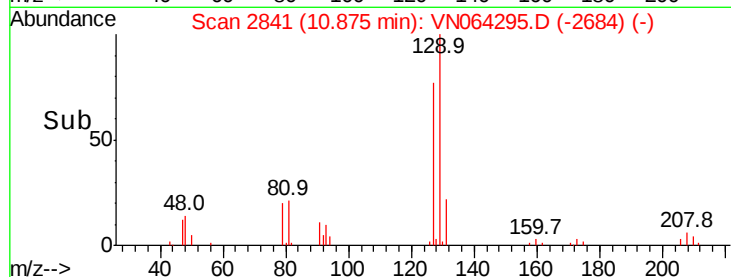
30000

20000

10000

0

Time--> 10.80 10.85 10.90 10.95



#54

1,2-Dibromoethane

Concen: 18.125 ug/l

RT: 10.98 min Scan# 2873

Delta R.T. 0.00 min

Lab File: VN064295.D

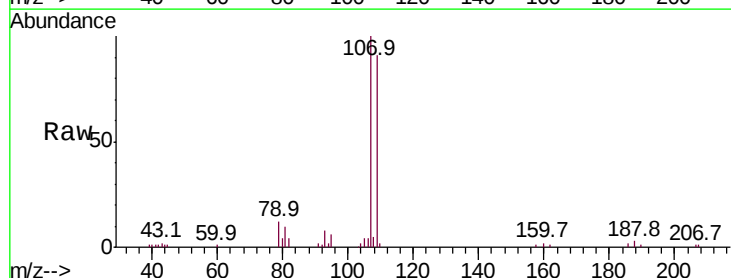
Acq: 23 Oct 2020 18:53

Tgt Ion:107 Resp: 59135

Ion Ratio Lower Upper

107 100

109 93.6 75.7 113.5



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

40000

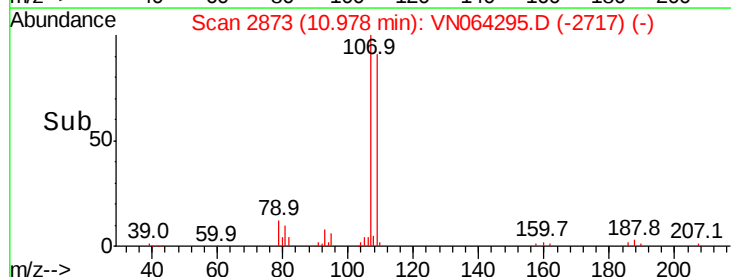
30000

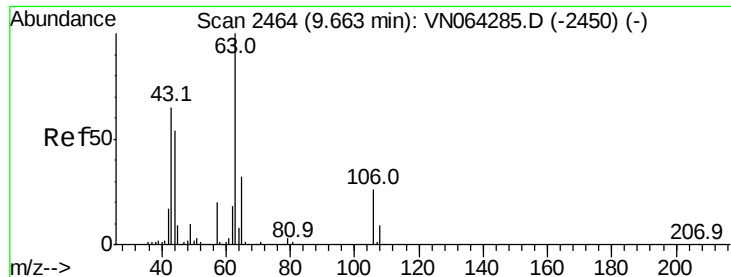
20000

10000

0

Time--> 10.90 10.95 11.00 11.05

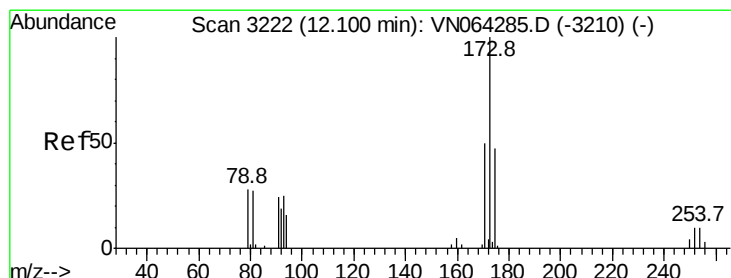
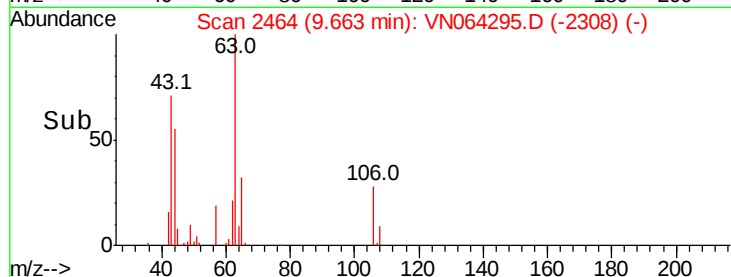
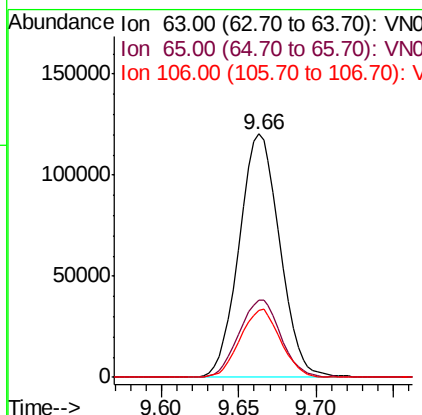
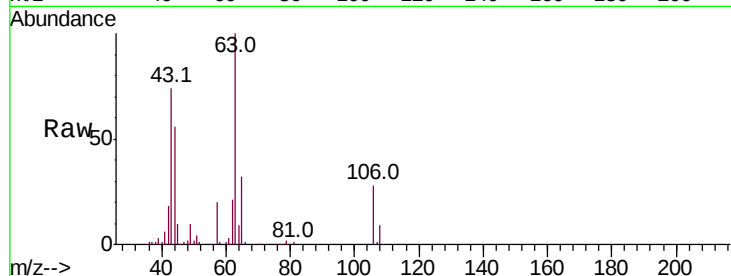




#55
2-Chloroethyl vinyl ether
Concen: 96.651 ug/l
RT: 9.66 min Scan# 2464
Delta R.T. 0.00 min
Lab File: VN064295.D
Acq: 23 Oct 2020 18:53

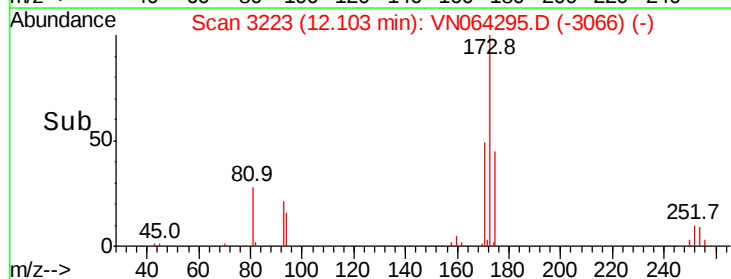
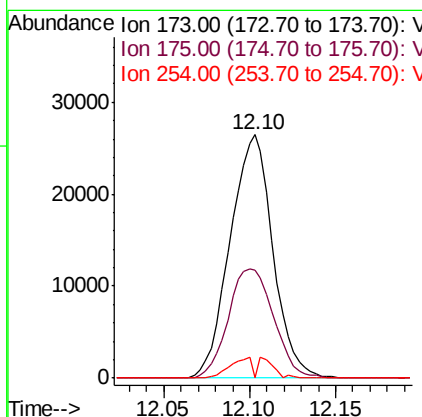
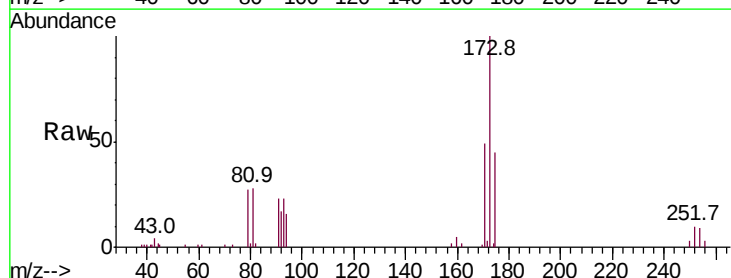
Instrument :
MSVOA_N
ClientSampleId :
VN1023WBSD01

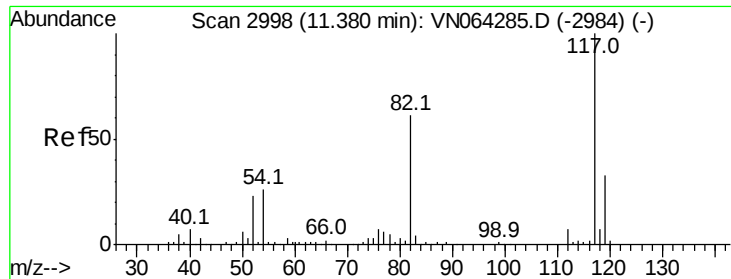
Tot Ion: 63 Resp: 220533
Ion Ratio Lower Upper
63 100
65 32.5 25.2 37.8
106 27.7 20.6 31.0



#56
Bromoform
Concen: 16.988 ug/l
RT: 12.10 min Scan# 3223
Delta R.T. 0.00 min
Lab File: VN064295.D
Acq: 23 Oct 2020 18:53

Tgt Ion: 173 Resp: 45818
Ion Ratio Lower Upper
173 100
175 0.0 39.5 59.3#
254 2.8 5.0 7.4#

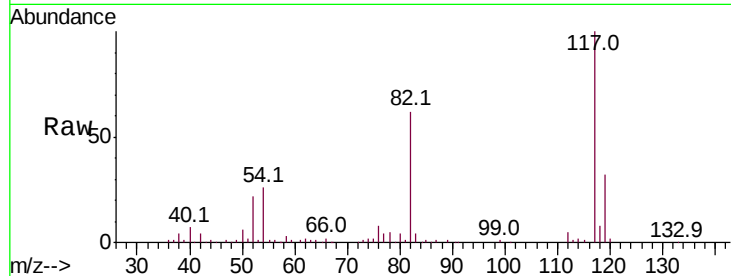




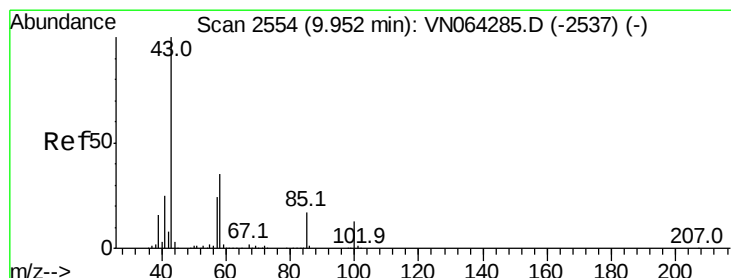
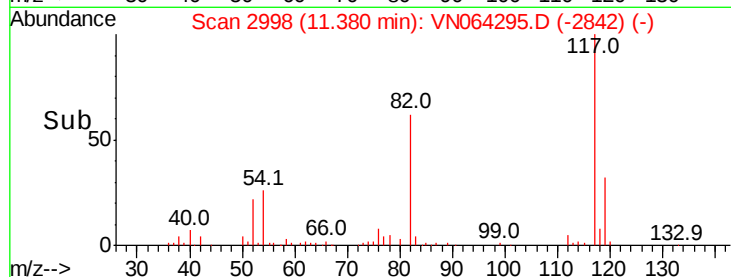
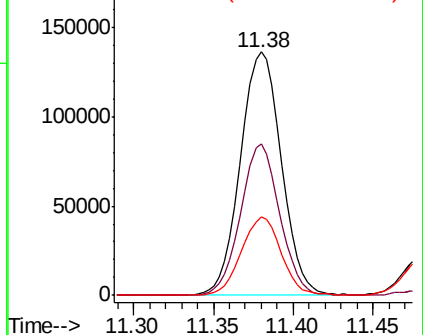
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN064295.D
Acq: 23 Oct 2020 18:53

Instrument :
MSVOA_N
ClientSampleId :
VN1023WBSD01

Tot Ion:117 Resp: 238246
Ion Ratio Lower Upper
117 100
82 59.5 47.0 70.6
119 31.2 24.6 37.0

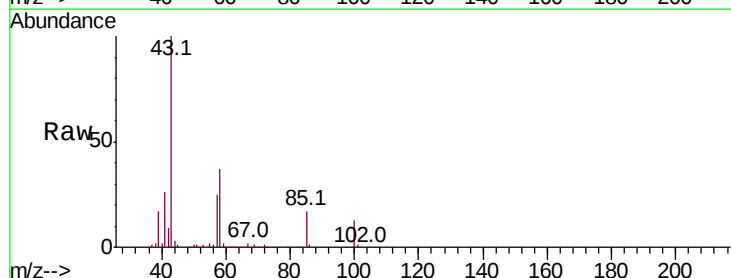


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): V
Ion 119.00 (118.70 to 119.70): V

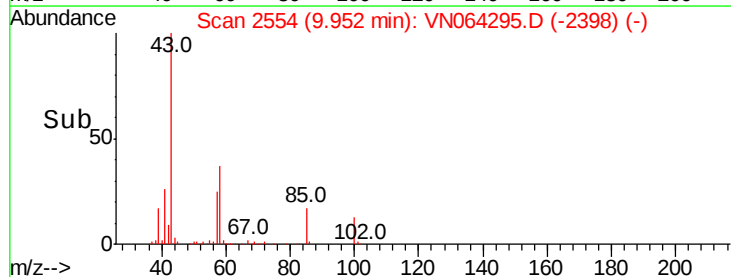
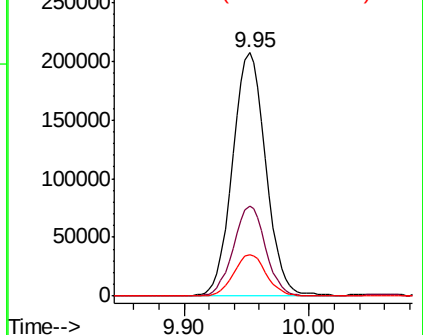


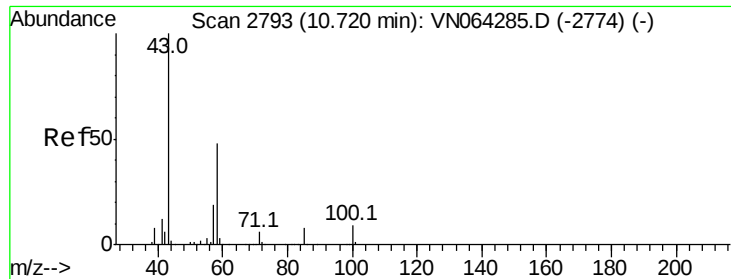
#58
4-Methyl-2-Pentanone
Concen: 92.327 ug/l
RT: 9.95 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN064295.D
Acq: 23 Oct 2020 18:53

Tgt Ion: 43 Resp: 379106
Ion Ratio Lower Upper
43 100
58 36.1 28.6 43.0
85 16.8 13.7 20.5



Abundance Ion 43.00 (42.70 to 43.70): V
Ion 58.00 (57.70 to 58.70): V
Ion 85.00 (84.70 to 85.70): V

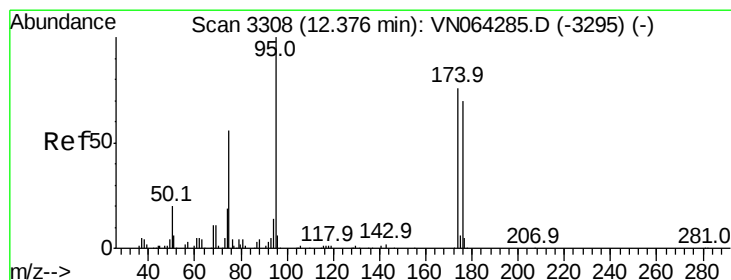
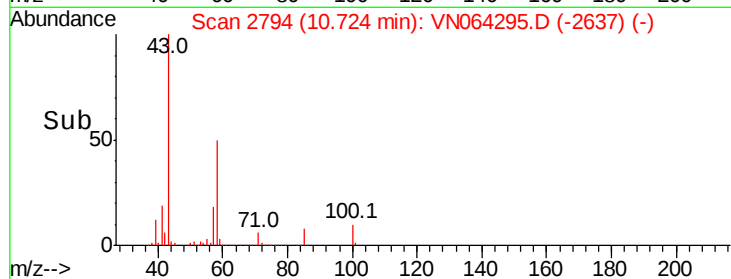
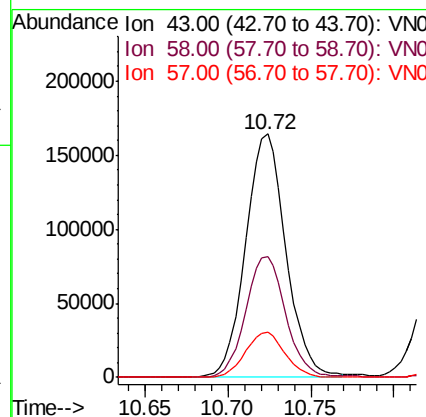
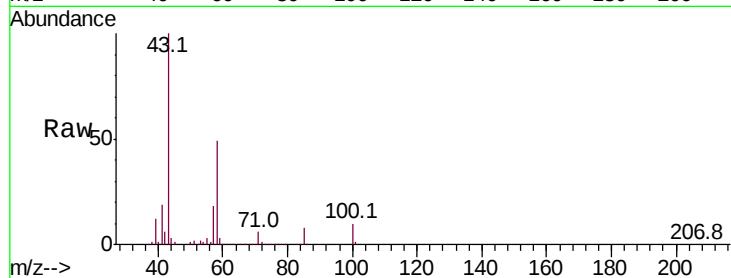




#59
2-Hexanone
Concen: 88.165 ug/l
RT: 10.72 min Scan# 2794
Delta R.T. 0.00 min
Lab File: VN064295.D
Acq: 23 Oct 2020 18:53

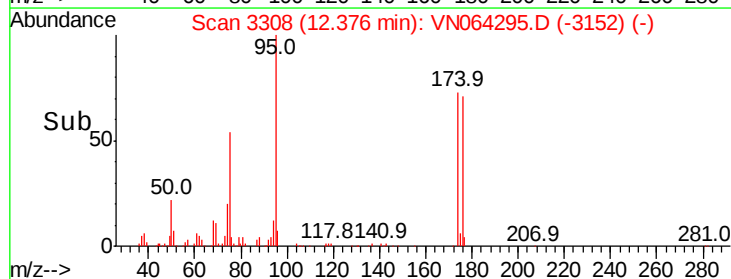
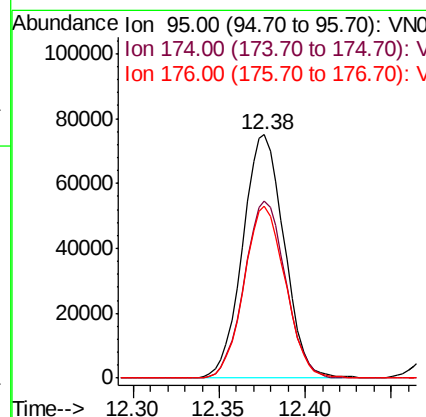
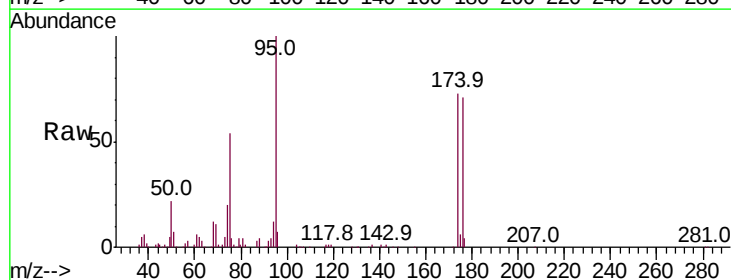
Instrument :
MSVOA_N
ClientSampleId :
VN1023WBSD01

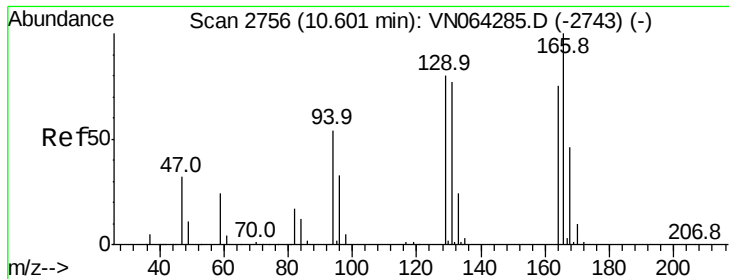
Tot Ion: 43 Resp: 274483
Ion Ratio Lower Upper
43 100
58 50.0 40.5 60.7
57 18.7 15.4 23.0



#60
4-Bromofluorobenzene
Concen: 29.703 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. 0.00 min
Lab File: VN064295.D
Acq: 23 Oct 2020 18:53

Tgt Ion: 95 Resp: 125954
Ion Ratio Lower Upper
95 100
174 72.6 57.9 86.9
176 70.4 56.7 85.1

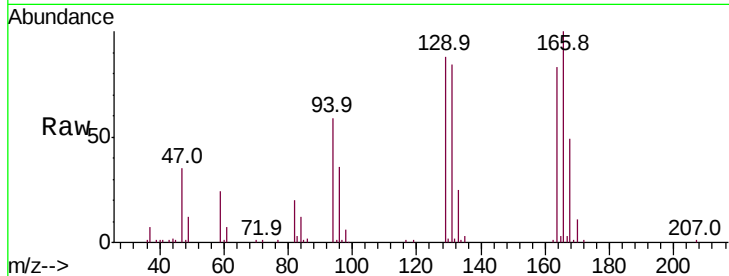




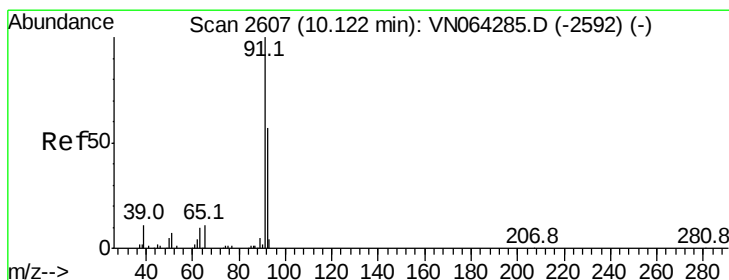
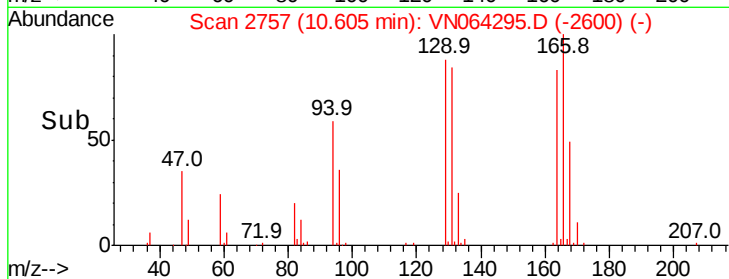
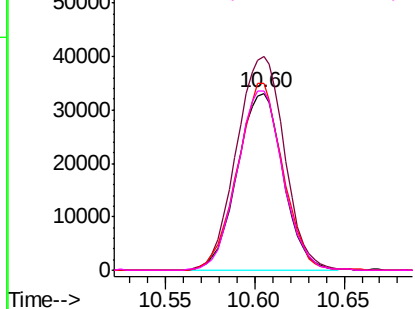
#61
Tetrachloroethene
Concen: 17.952 ug/l
RT: 10.60 min Scan# 2757
Delta R.T. 0.00 min
Lab File: VN064295.D
Acq: 23 Oct 2020 18:53

Instrument :
MSVOA_N
ClientSampleId :
VN1023WBSD01

Tot Ion:164 Resp: 59759
Ion Ratio Lower Upper
164 100
166 120.7 107.4 161.0
129 105.7 84.3 126.5
131 100.7 81.1 121.7

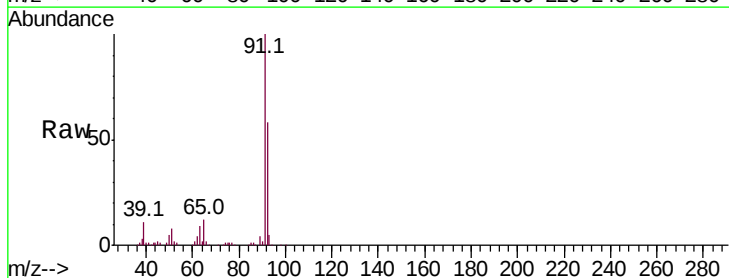


Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.90 (128.60 to 129.60): V
Ion 130.90 (130.60 to 131.60): V

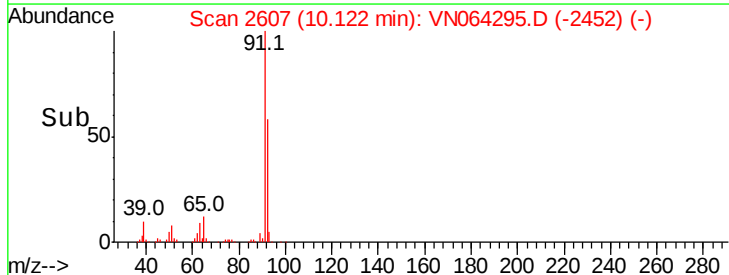
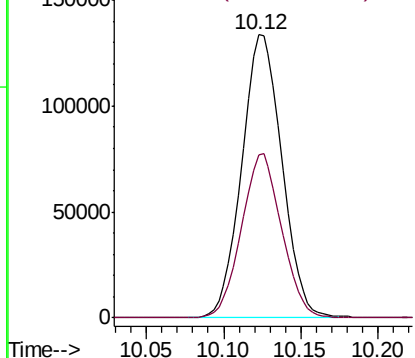


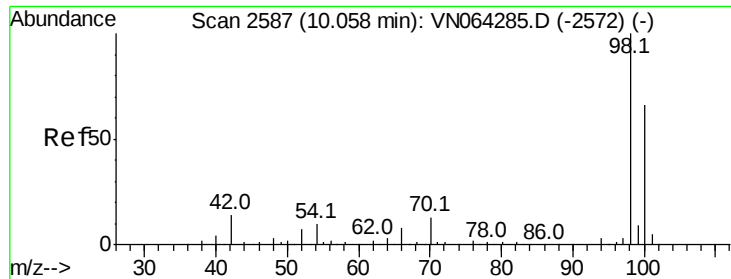
#62
Toluene
Concen: 17.640 ug/l
RT: 10.12 min Scan# 2607
Delta R.T. -0.00 min
Lab File: VN064295.D
Acq: 23 Oct 2020 18:53

Tgt Ion: 91 Resp: 241938
Ion Ratio Lower Upper
91 100
92 58.0 46.4 69.6



Abundance Ion 91.00 (90.70 to 91.70): V
Ion 92.00 (91.70 to 92.70): V





#63

Toluene-d8

Concen: 29.623 ug/l

RT: 10.06 min Scan# 2588

Delta R.T. 0.00 min

Lab File: VN064295.D

Acq: 23 Oct 2020 18:53

Instrument :

MSVOA_N

ClientSampleId :

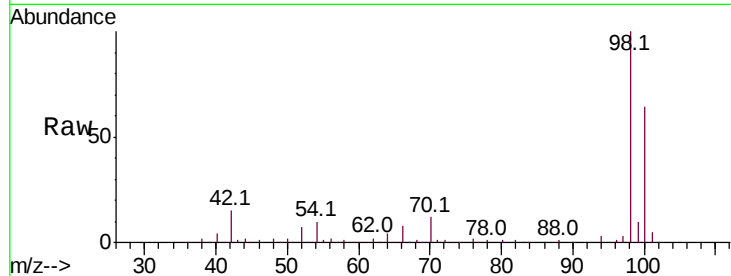
VN1023WBSD01

Tot Ion: 98 Resp: 315447

Ion Ratio Lower Upper

98 100

100 64.7 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VN064285.D (-2572) (-)

Ion 100.00 (99.70 to 100.70): VN064285.D (-2572) (-)

10.06

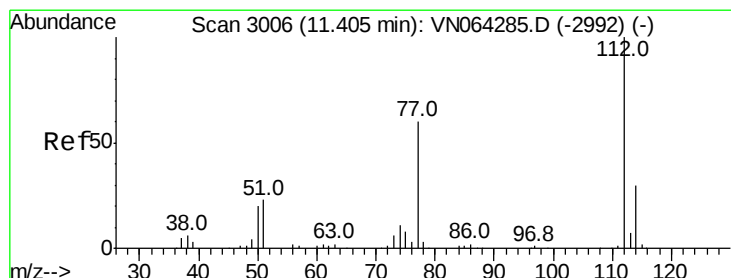
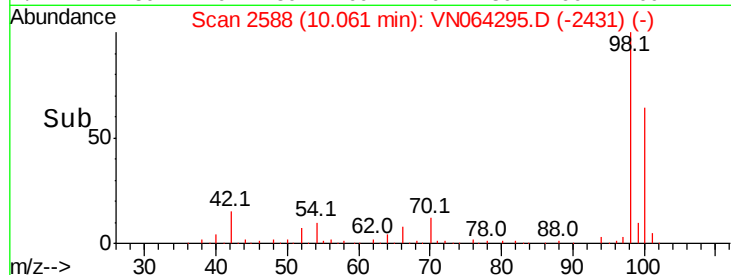
150000

100000

50000

0

Time-->



#64

Chlorobenzene

Concen: 17.696 ug/l

RT: 11.41 min Scan# 3006

Delta R.T. 0.00 min

Lab File: VN064295.D

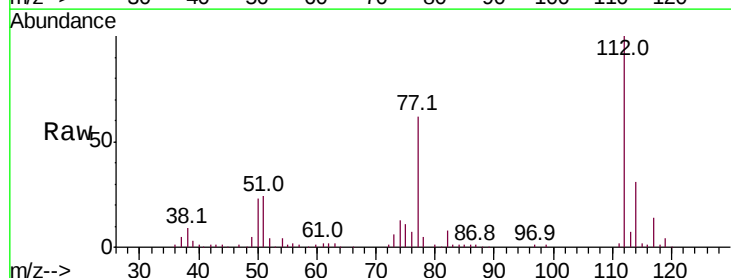
Acq: 23 Oct 2020 18:53

Tgt Ion: 112 Resp: 150552

Ion Ratio Lower Upper

112 100

114 31.1 26.5 39.7



Abundance Ion 112.00 (111.70 to 112.70): VN064285.D (-2992) (-)

Ion 114.00 (113.70 to 114.70): VN064285.D (-2992) (-)

11.41

100000

80000

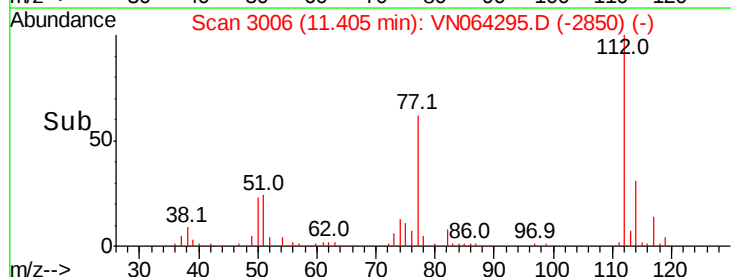
60000

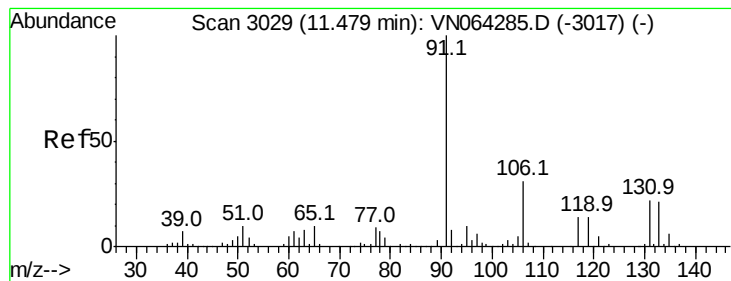
40000

20000

0

Time-->





#65

1,1,1,2-Tetrachloroethane

Concen: 18.242 ug/l

RT: 11.48 min Scan# 3029

Delta R.T. 0.00 min

Lab File: VN064295.D

Acq: 23 Oct 2020 18:53

Instrument :

MSVOA_N

ClientSampleId :

VN1023WBSD01

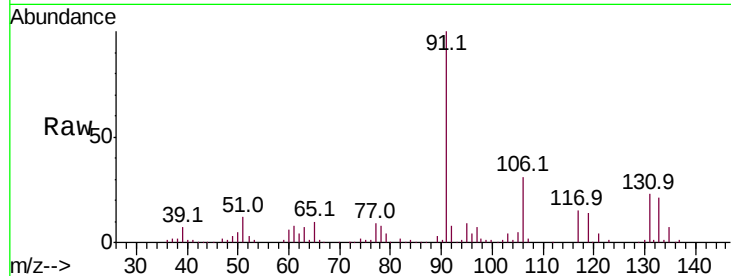
Tot Ion:131 Resp: 61993

Ion Ratio Lower Upper

131 100

133 94.0 0.0 193.4

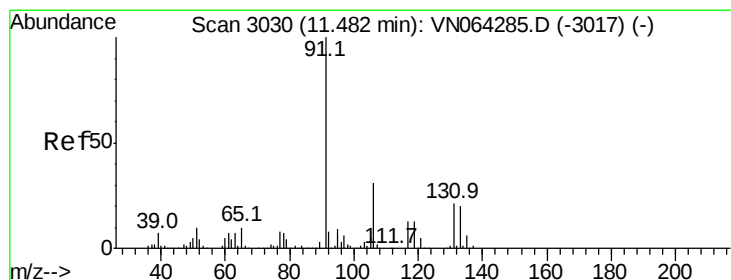
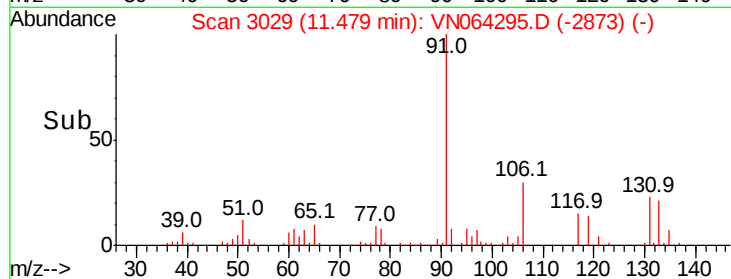
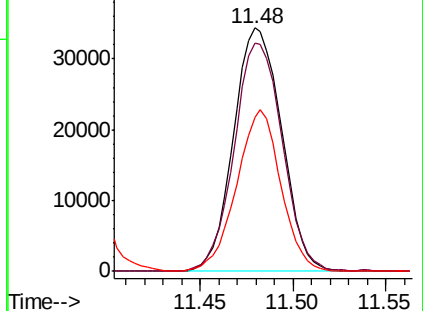
119 60.8 0.0 125.2



Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V



#66

Ethyl Benzene

Concen: 17.704 ug/l

RT: 11.48 min Scan# 3030

Delta R.T. 0.00 min

Lab File: VN064295.D

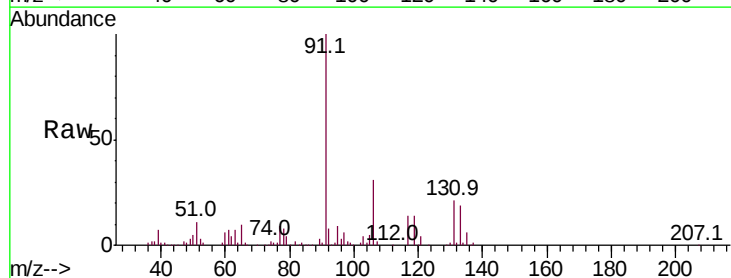
Acq: 23 Oct 2020 18:53

Tgt Ion: 91 Resp: 278375

Ion Ratio Lower Upper

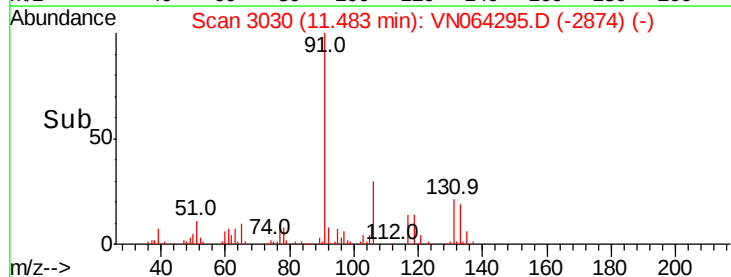
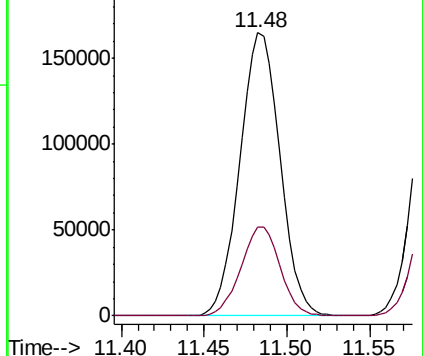
91 100

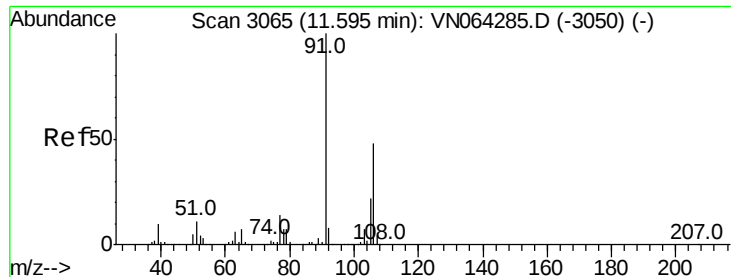
106 31.2 23.8 35.6



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V





#67

m/p-Xylenes

Concen: 34.985 ug/l

RT: 11.60 min Scan# 3065

Delta R.T. 0.00 min

Lab File: VN064295.D

Acq: 23 Oct 2020 18:53

Instrument :

MSVOA_N

ClientSampleId :

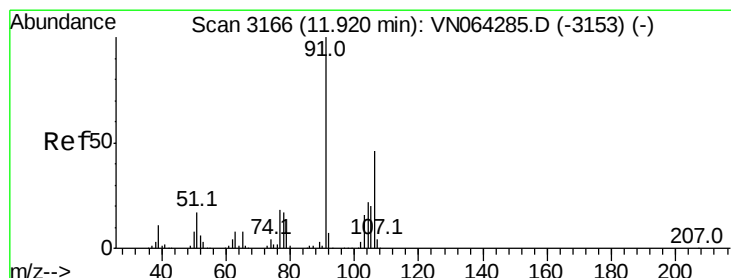
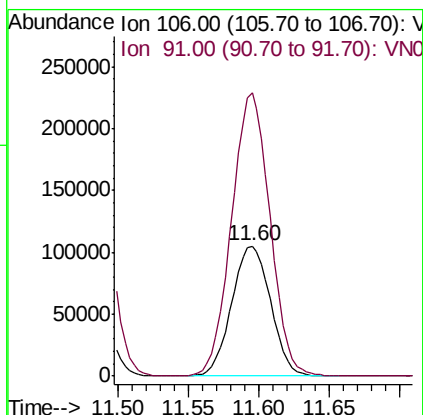
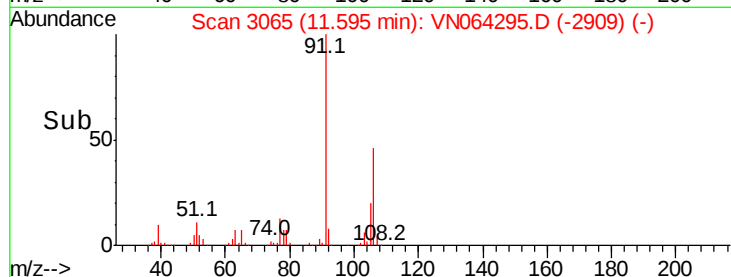
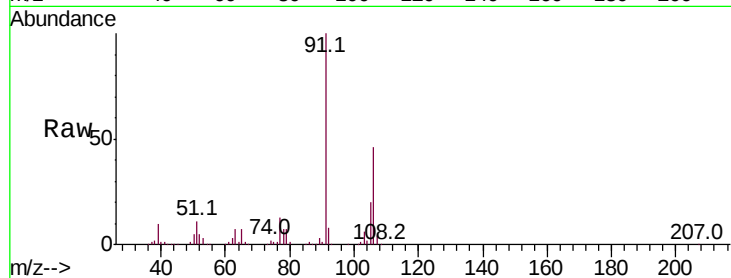
VN1023WBSD01

Tot Ion:106 Resp: 203998

Ion Ratio Lower Upper

106 100

91 214.2 170.6 255.8



#68

o-Xylene

Concen: 17.425 ug/l

RT: 11.92 min Scan# 3166

Delta R.T. 0.00 min

Lab File: VN064295.D

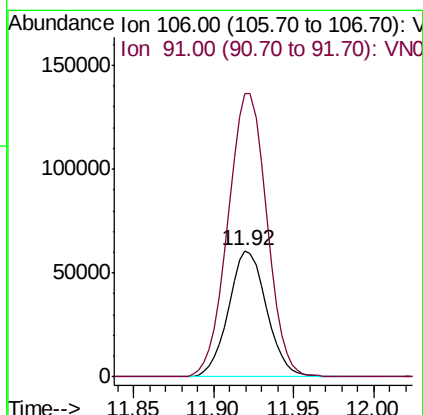
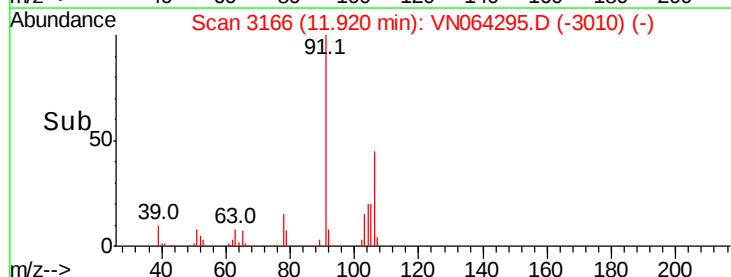
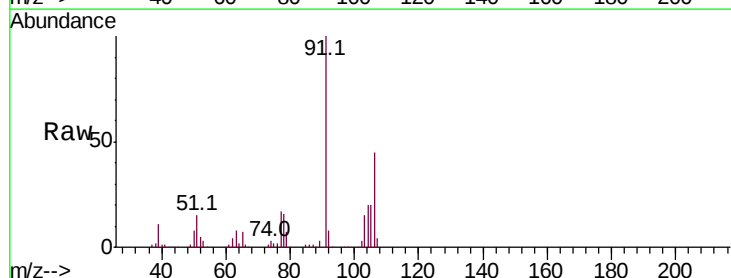
Acq: 23 Oct 2020 18:53

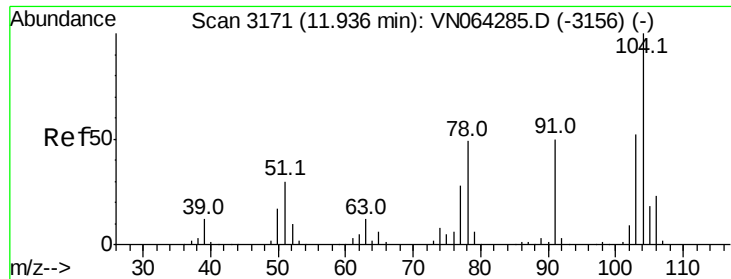
Tgt Ion:106 Resp: 98661

Ion Ratio Lower Upper

106 100

91 229.5 115.3 346.0

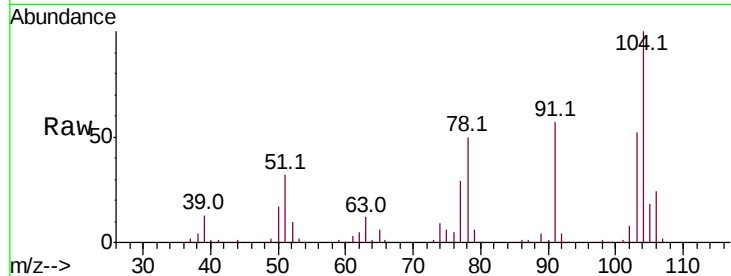




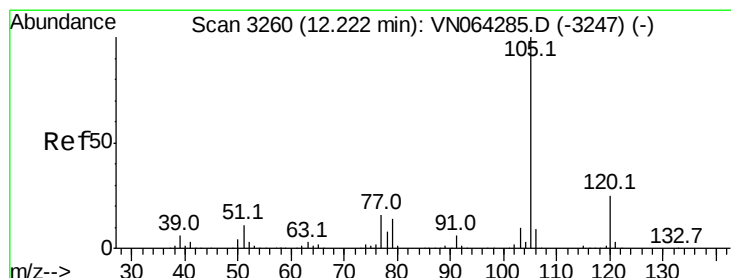
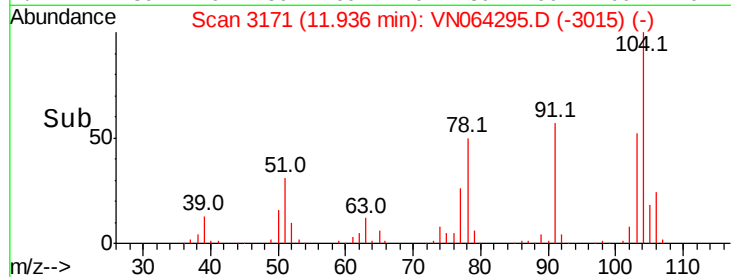
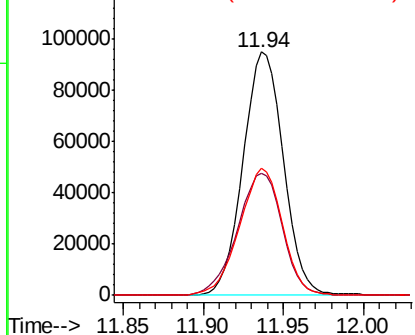
#69
Stvrene
Concen: 17.417 ug/l
RT: 11.94 min Scan# 3171
Delta R.T. 0.00 min
Lab File: VN064295.D
Acq: 23 Oct 2020 18:53

Instrument :
MSVOA_N
ClientSampleId :
VN1023WBSD01

Tot Ion:104 Resp: 164196
Ion Ratio Lower Upper
104 100
78 55.9 45.4 68.2
103 55.4 44.6 67.0

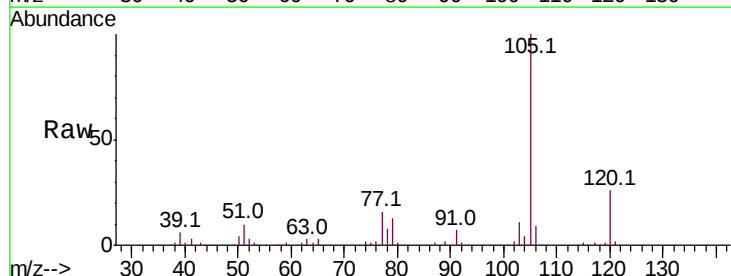


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): V
Ion 103.00 (102.70 to 103.70): V

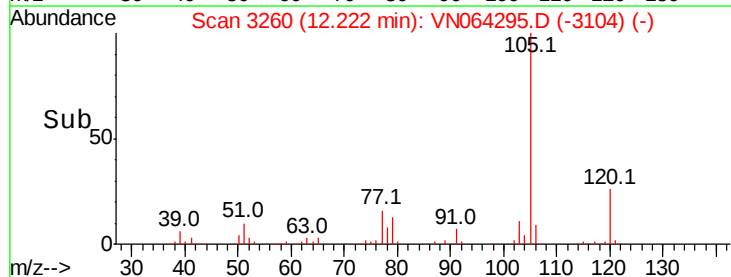
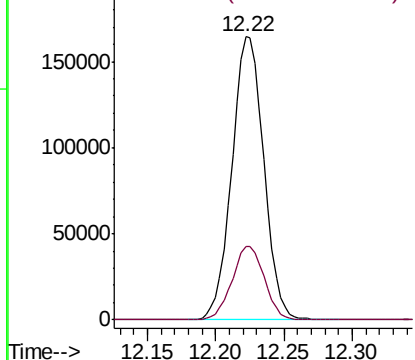


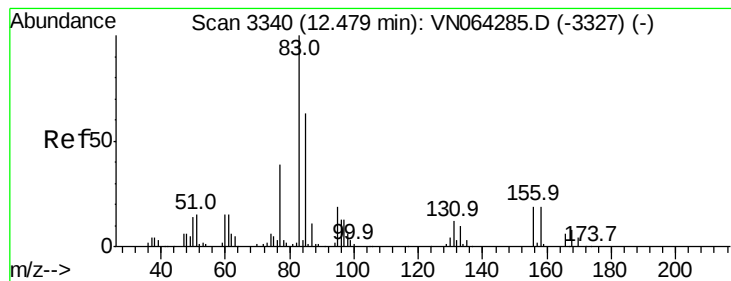
#70
Isopropylbenzene
Concen: 17.839 ug/l
RT: 12.22 min Scan# 3260
Delta R.T. 0.00 min
Lab File: VN064295.D
Acq: 23 Oct 2020 18:53

Tgt Ion:105 Resp: 267041
Ion Ratio Lower Upper
105 100
120 26.2 18.6 34.5



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#71

1,1,2,2-Tetrachloroethane

Concen: 17.942 ug/l

RT: 12.48 min Scan# 3340

Delta R.T. 0.00 min

Lab File: VN064295.D

Acq: 23 Oct 2020 18:53

Instrument :

MSVOA_N

ClientSampleId :

VN1023WBSD01

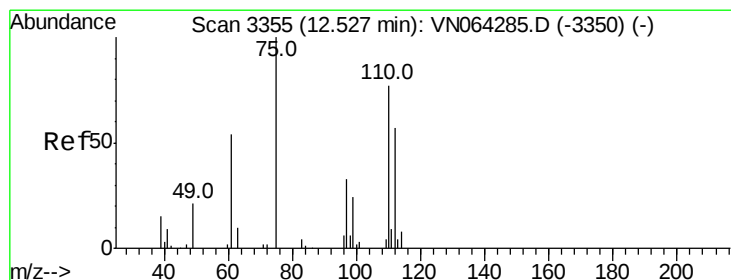
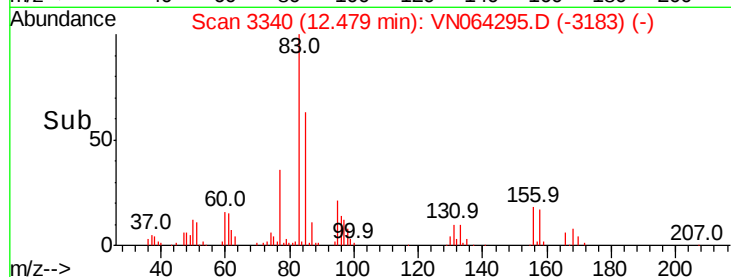
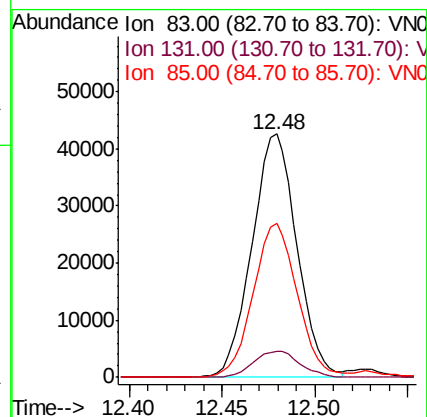
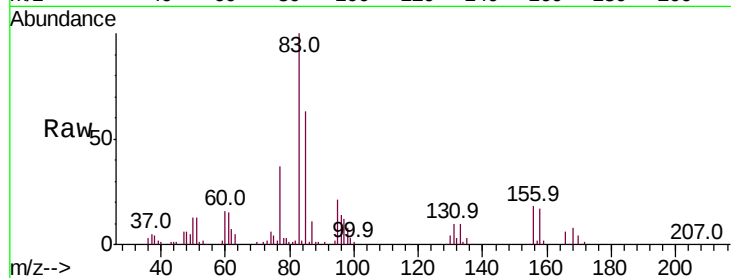
Tot Ion: 83 Resp: 72044

Ion Ratio Lower Upper

83 100

131 11.1 5.7 17.0

85 62.3 33.3 99.8



#72

1,2,3-Trichloropropane

Concen: 26.166 ug/l

RT: 12.53 min Scan# 3356

Delta R.T. 0.00 min

Lab File: VN064295.D

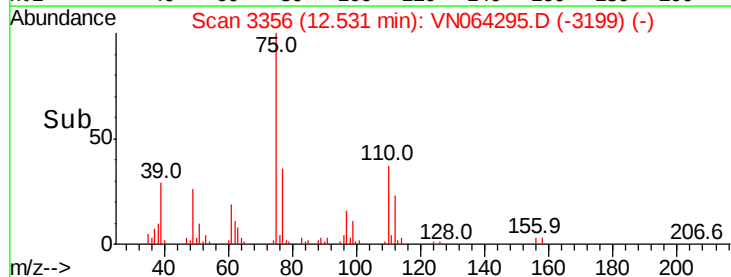
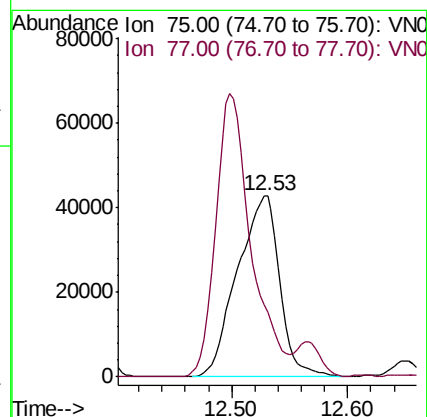
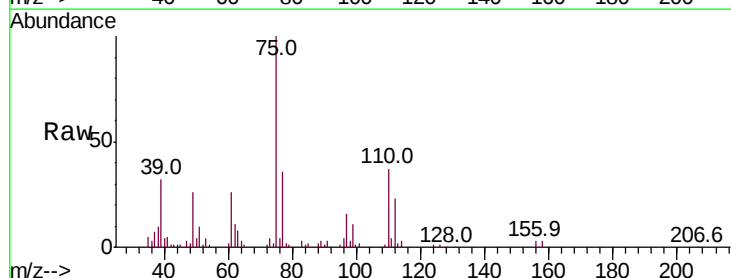
Acq: 23 Oct 2020 18:53

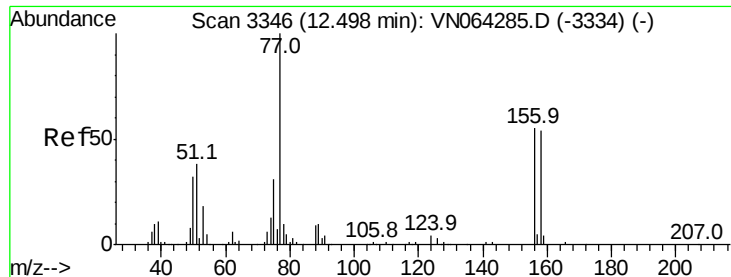
Tgt Ion: 75 Resp: 109099

Ion Ratio Lower Upper

75 100

77 130.3 0.0 365.2





#73

Bromobenzene

Concen: 17.513 ug/l

RT: 12.50 min Scan# 3346

Delta R.T. 0.00 min

Lab File: VN064295.D

Acq: 23 Oct 2020 18:53

Instrument :

MSVOA_N

ClientSampleId :

VN1023WBSD01

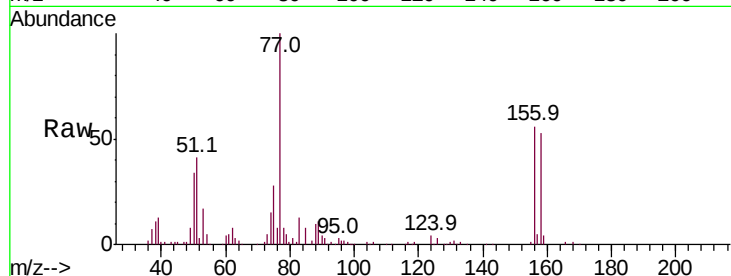
Tot Ion:156 Resp: 63772

Ion Ratio Lower Upper

156 100

77 222.9 0.0 450.2

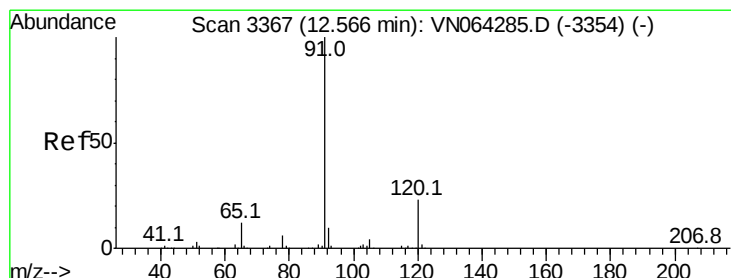
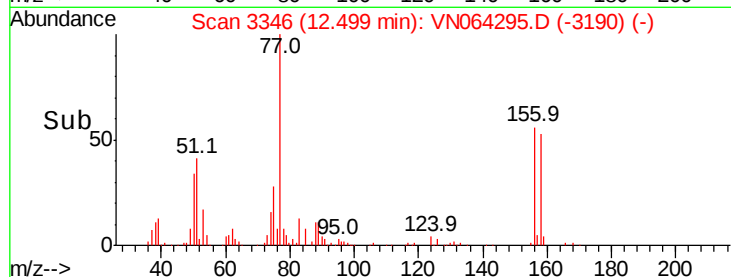
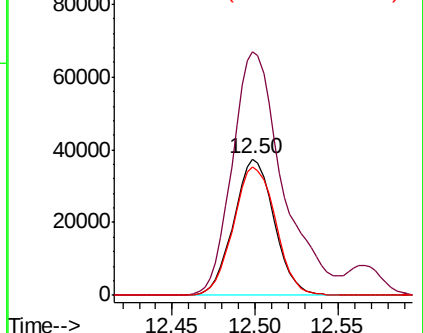
158 98.1 0.0 194.8



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 17.366 ug/l

RT: 12.57 min Scan# 3367

Delta R.T. 0.00 min

Lab File: VN064295.D

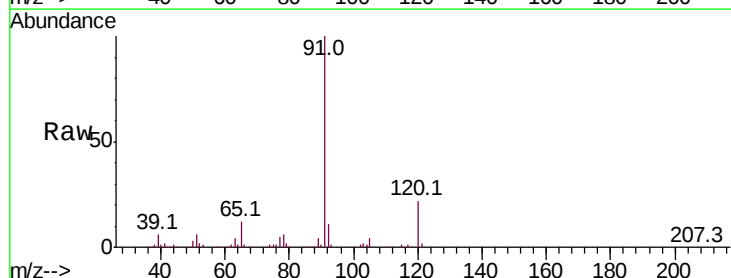
Acq: 23 Oct 2020 18:53

Tgt Ion: 91 Resp: 298280

Ion Ratio Lower Upper

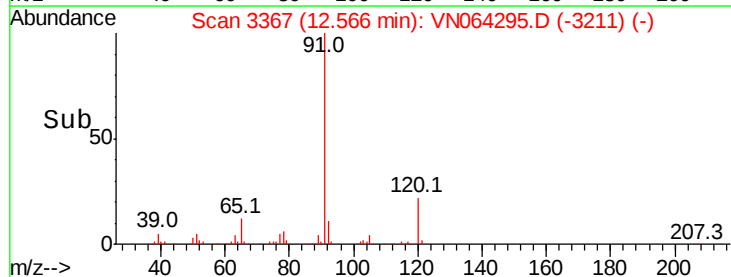
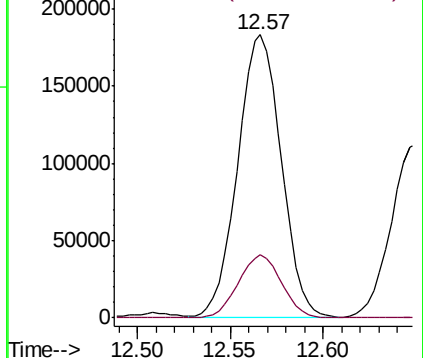
91 100

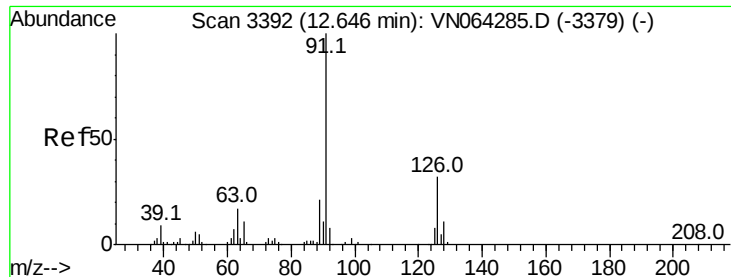
120 22.2 0.0 43.6



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 17.745 ug/l

RT: 12.65 min Scan# 3393

Delta R.T. 0.00 min

Lab File: VN064295.D

Acq: 23 Oct 2020 18:53

Instrument :

MSVOA_N

ClientSampleId :

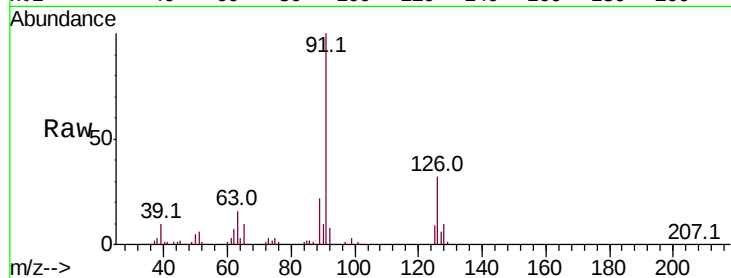
VN1023WBSD01

Tot Ion: 91 Resp: 188204

Ion Ratio Lower Upper

91 100

126 31.9 0.0 62.8



Abundance Ion 91.00 (90.70 to 91.70): VN064285.D (-3379) (-)

Ion 126.00 (125.70 to 126.70): VN064285.D (-3379) (-)

150000

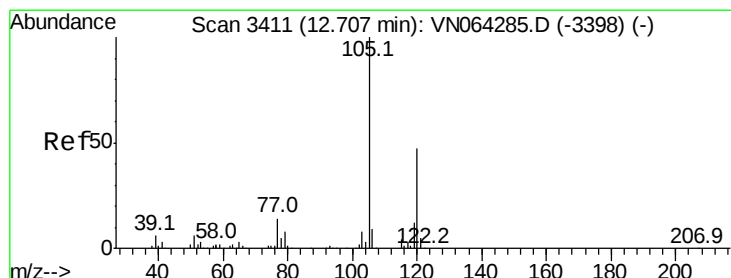
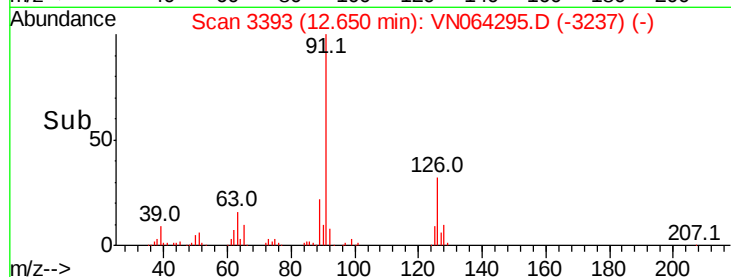
100000

50000

0

12.60 12.65 12.70

Time-->



#76

1,3,5-Trimethylbenzene

Concen: 17.472 ug/l

RT: 12.71 min Scan# 3411

Delta R.T. 0.00 min

Lab File: VN064295.D

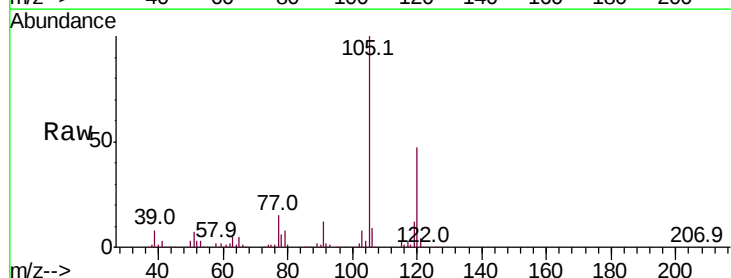
Acq: 23 Oct 2020 18:53

Tgt Ion: 105 Resp: 221682

Ion Ratio Lower Upper

105 100

120 48.0 0.0 92.8



Abundance Ion 105.00 (104.70 to 105.70): VN064285.D (-3398) (-)

Ion 120.00 (119.70 to 120.70): VN064285.D (-3398) (-)

150000

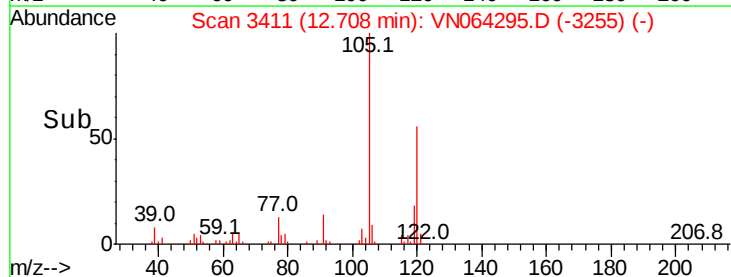
100000

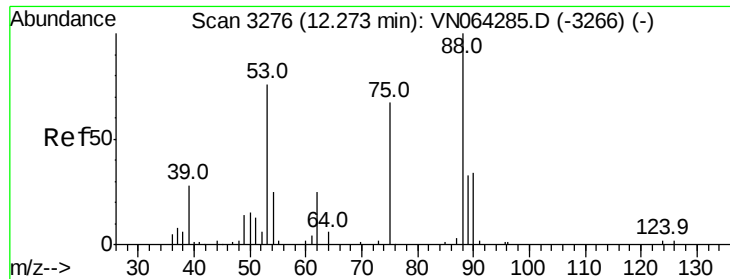
50000

0

12.65 12.70 12.75 12.80

Time-->

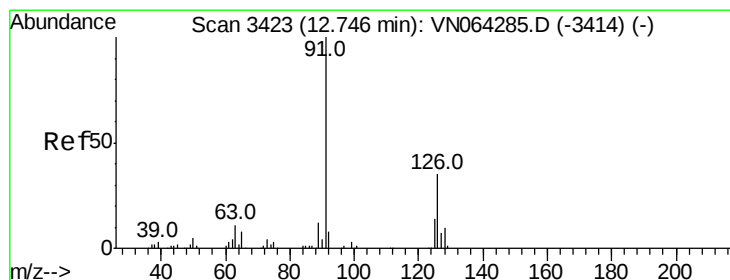
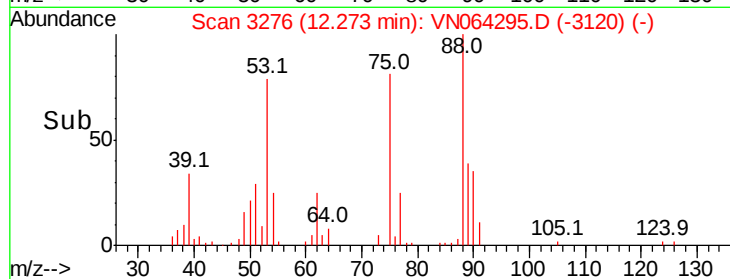
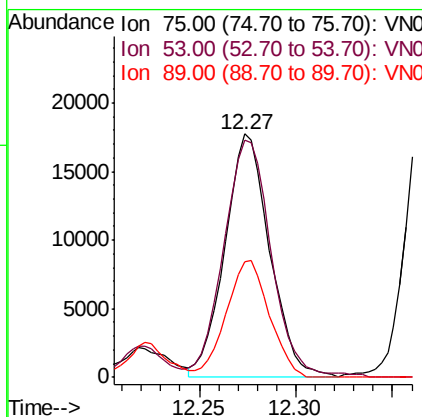
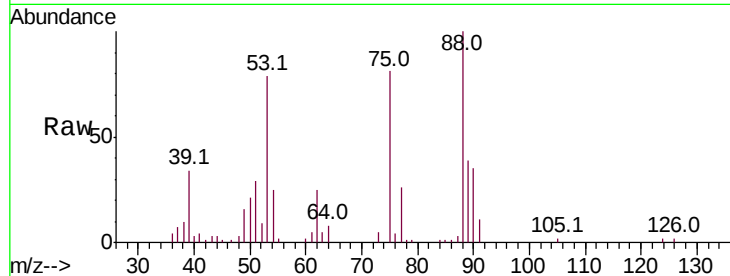




#77
t-1,4-Dichloro-2-butene
Concen: 17.729 ug/l
RT: 12.27 min Scan# 3276
Delta R.T. 0.00 min
Lab File: VN064295.D
Acq: 23 Oct 2020 18:53

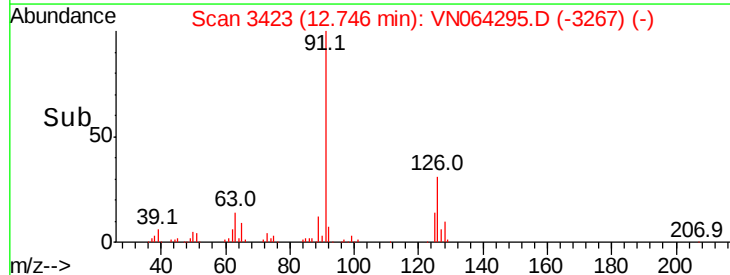
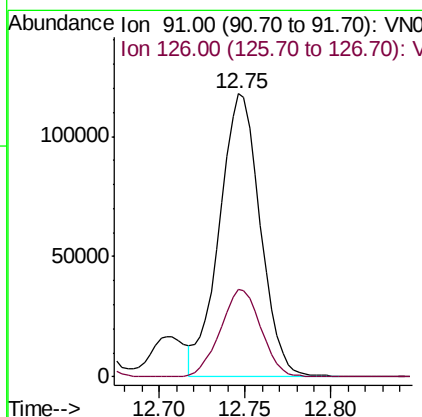
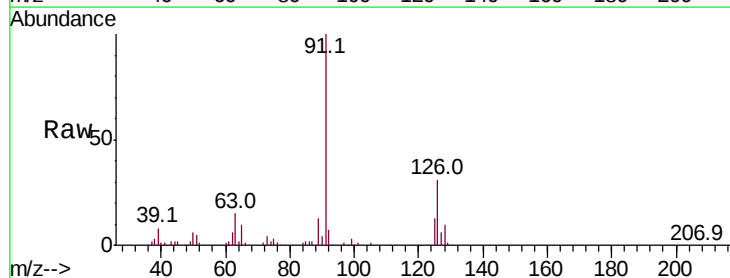
Instrument :
MSVOA_N
ClientSampleId :
VN1023WBSD01

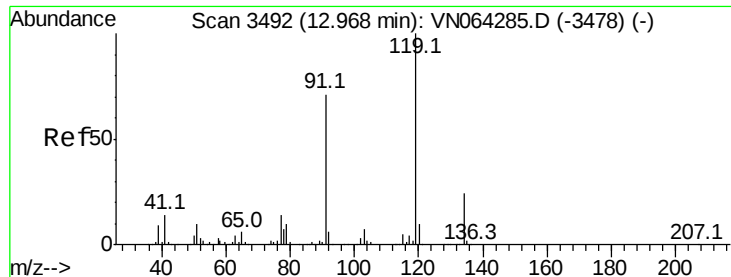
Tot Ion: 75 Resp: 28586
Ion Ratio Lower Upper
75 100
53 95.7 44.8 134.3
89 47.7 22.2 66.6



#78
4-Chlorotoluene
Concen: 17.516 ug/l
RT: 12.75 min Scan# 3423
Delta R.T. 0.00 min
Lab File: VN064295.D
Acq: 23 Oct 2020 18:53

Tgt Ion: 91 Resp: 193687
Ion Ratio Lower Upper
91 100
126 30.8 0.0 62.2





#79

tert-butylbenzene

Concen: 17.584 ug/l

RT: 12.97 min Scan# 3492

Delta R.T. 0.00 min

Lab File: VN064295.D

Acq: 23 Oct 2020 18:53

Instrument :

MSVOA_N

ClientSampleId :

VN1023WBSD01

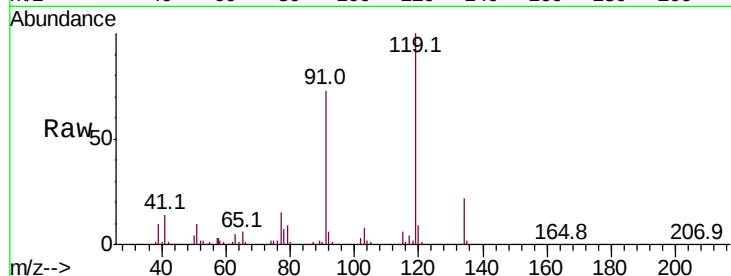
Tot Ion:119 Resp: 182331

Ion Ratio Lower Upper

119 100

91 72.0 0.0 140.0

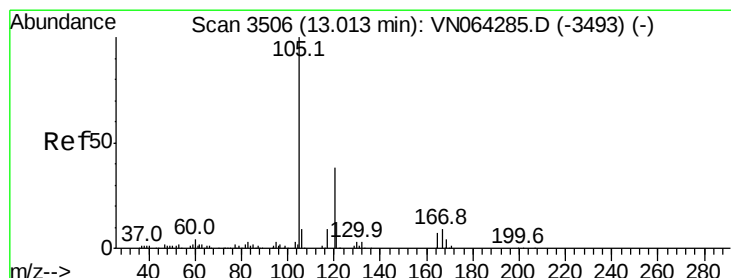
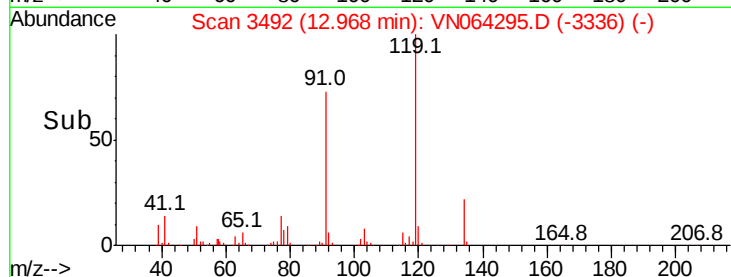
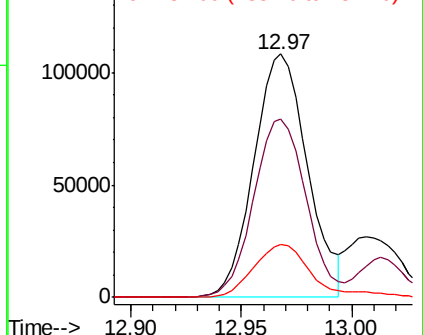
134 22.1 0.0 45.8



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#80

1,2,4-Trimethylbenzene

Concen: 17.487 ug/l

RT: 13.01 min Scan# 3506

Delta R.T. 0.00 min

Lab File: VN064295.D

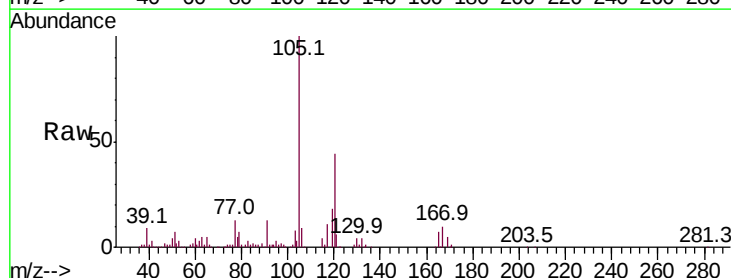
Acq: 23 Oct 2020 18:53

Tgt Ion:105 Resp: 225179

Ion Ratio Lower Upper

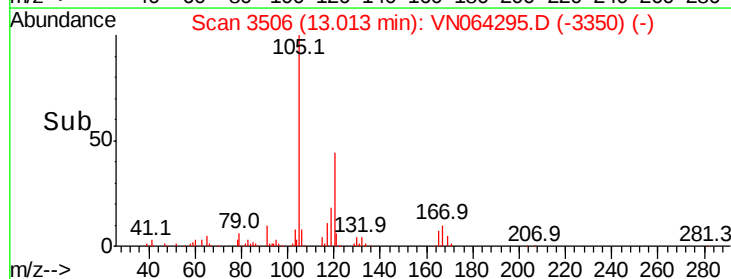
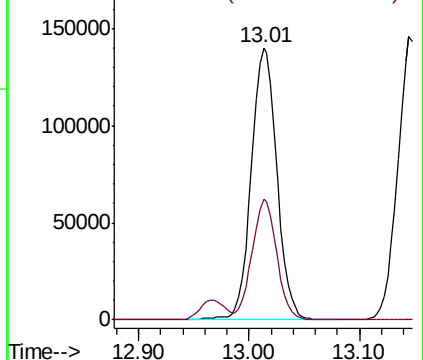
105 100

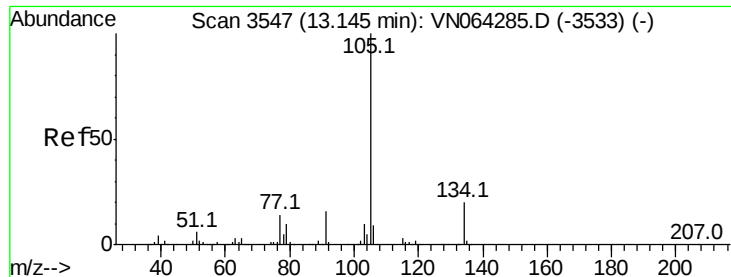
120 43.1 0.0 87.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

sec-Butylbenzene

Concen: 17.315 ug/l

RT: 13.14 min Scan# 3547

Delta R.T. 0.00 min

Lab File: VN064295.D

Acq: 23 Oct 2020 18:53

Instrument :

MSVOA_N

ClientSampleId :

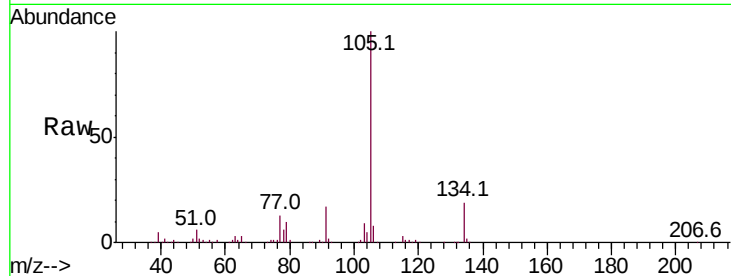
VN1023WBSD01

Tot Ion:105 Resp: 233062

Ion Ratio Lower Upper

105 100

134 19.1 0.0 36.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.14

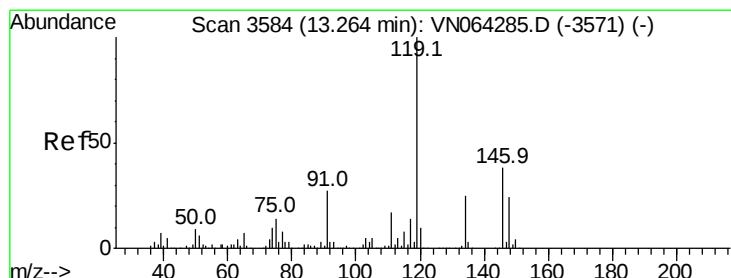
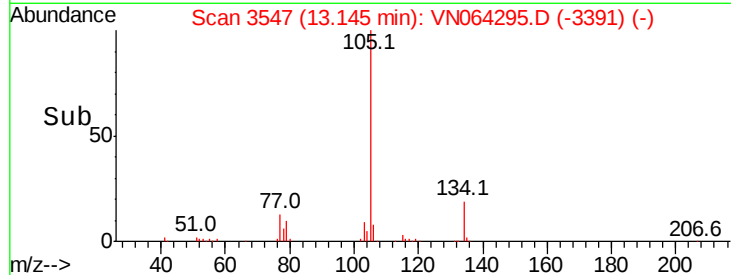
150000

100000

50000

0

Time--> 13.05 13.10 13.15 13.20



#82

p-Isopropyltoluene

Concen: 17.234 ug/l

RT: 13.26 min Scan# 3584

Delta R.T. 0.00 min

Lab File: VN064295.D

Acq: 23 Oct 2020 18:53

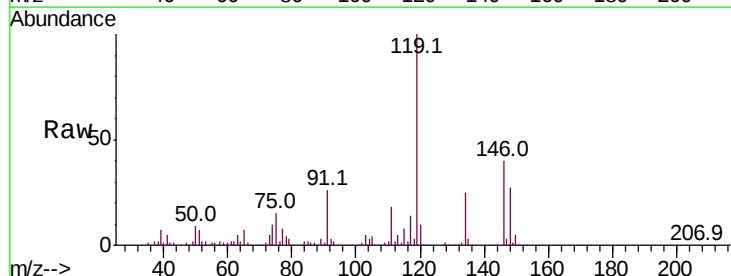
Tgt Ion:119 Resp: 212878

Ion Ratio Lower Upper

119 100

134 25.6 0.0 47.8

91 26.5 0.0 55.8



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.26

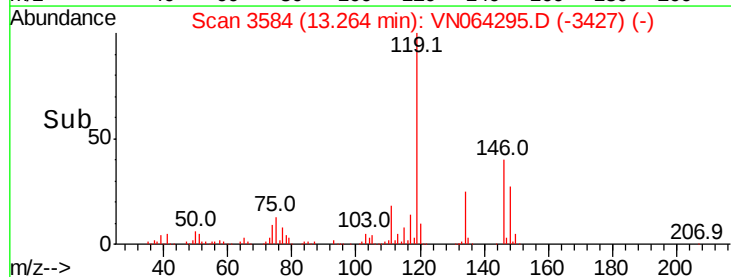
150000

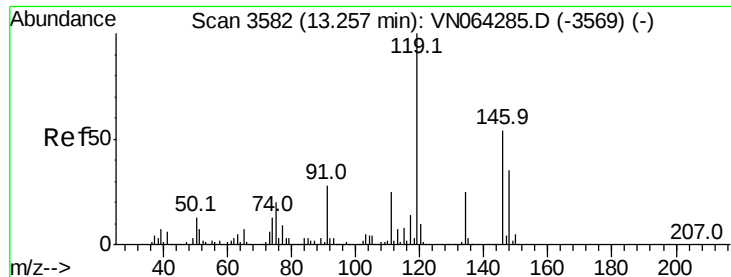
100000

50000

0

Time--> 13.20 13.25 13.30 13.35





#83

1,3-Dichlorobenzene

Concen: 17.169 ug/l

RT: 13.26 min Scan# 3582

Delta R.T. 0.00 min

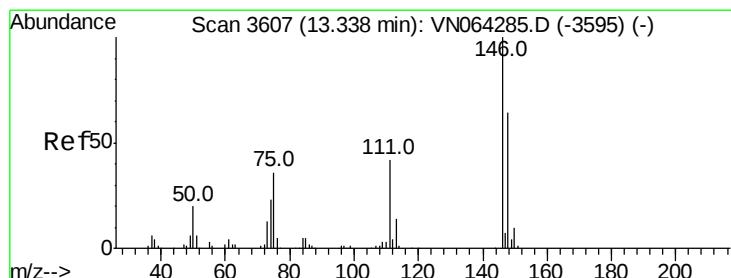
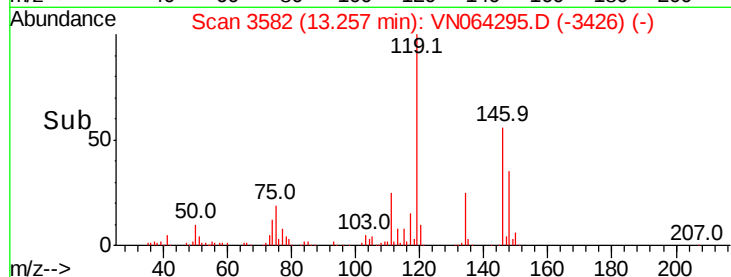
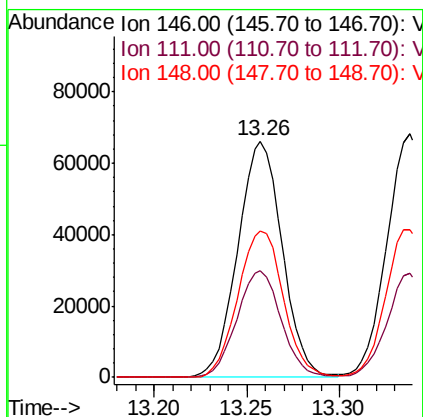
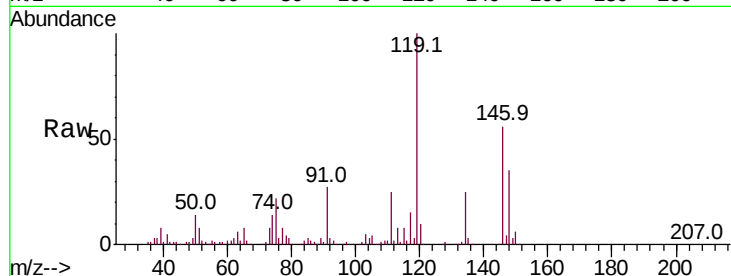
Lab File: VN064295.D

Acq: 23 Oct 2020 18:53

Instrument :
MSVOA_N
ClientSampleId :
VN1023WBSD01

Tot Ion:146 Resp: 110271

Ion	Ratio	Lower	Upper
146	100		
111	45.0	22.1	66.5
148	63.7	31.9	95.5



#84

1,4-Dichlorobenzene

Concen: 17.258 ug/l

RT: 13.34 min Scan# 3607

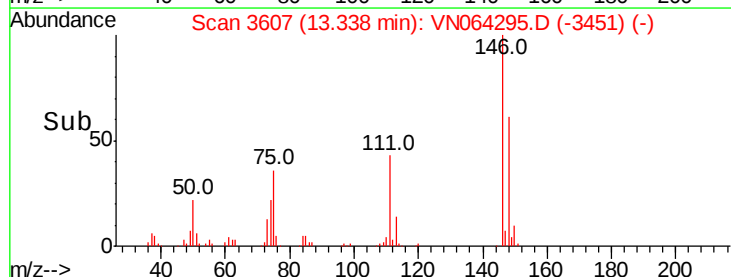
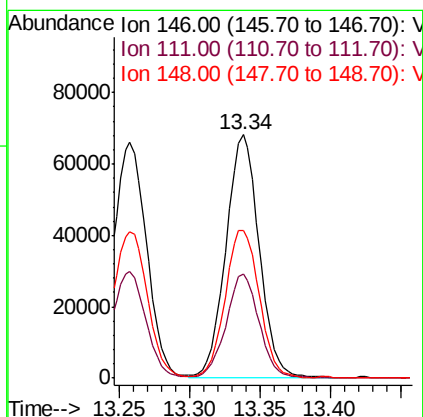
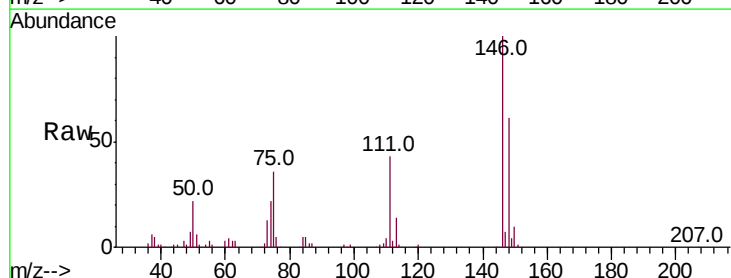
Delta R.T. 0.00 min

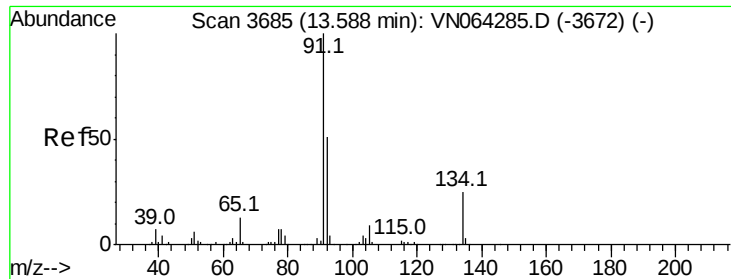
Lab File: VN064295.D

Acq: 23 Oct 2020 18:53

Tgt Ion:146 Resp: 112867

Ion	Ratio	Lower	Upper
146	100		
111	42.4	20.3	61.0
148	62.3	31.4	94.3





#85

n-Butylbenzene

Concen: 16.922 ug/l

RT: 13.59 min Scan# 3685

Delta R.T. 0.00 min

Lab File: VN064295.D

Acq: 23 Oct 2020 18:53

Instrument :

MSVOA_N

ClientSampleId :

VN1023WBSD01

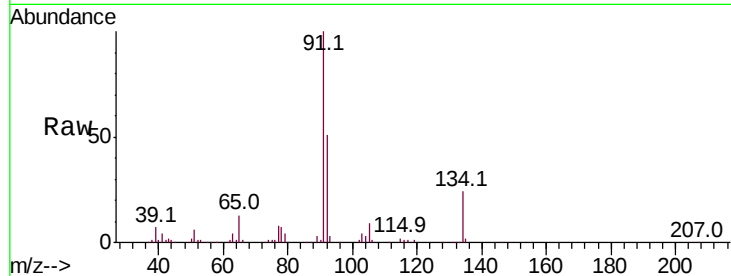
Tot Ion: 91 Resp: 183929

Ion Ratio Lower Upper

91 100

92 51.2 0.0 110.0

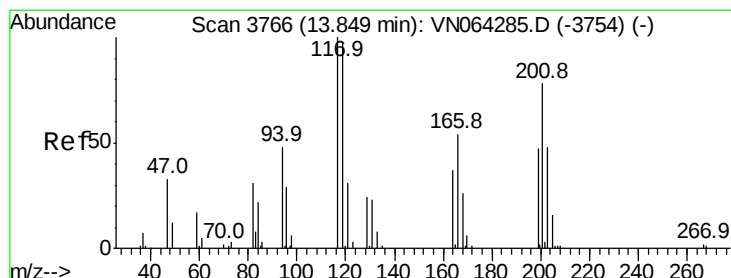
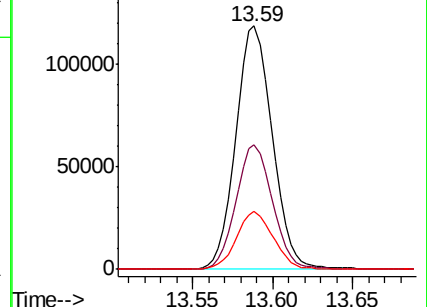
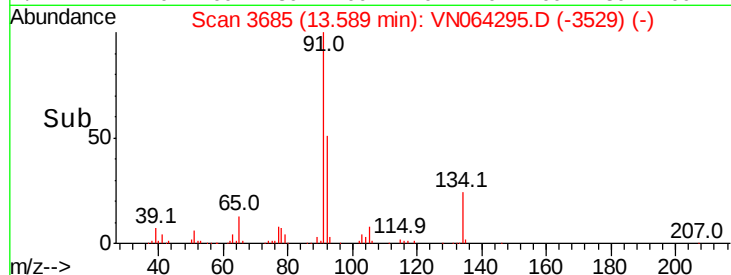
134 23.9 0.0 51.6



Abundance Ion 91.00 (90.70 to 91.70): VN064285.D (-3672) (-)

Ion 92.00 (91.70 to 92.70): VN064285.D (-3672) (-)

Ion 134.00 (133.70 to 134.70): VN064285.D (-3672) (-)



#86

Hexachloroethane

Concen: 17.225 ug/l

RT: 13.85 min Scan# 3766

Delta R.T. 0.00 min

Lab File: VN064295.D

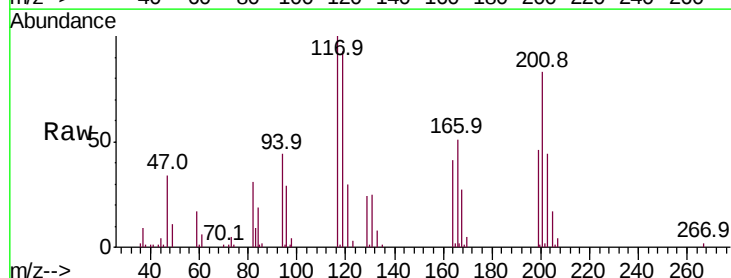
Acq: 23 Oct 2020 18:53

Tgt Ion: 117 Resp: 35926

Ion Ratio Lower Upper

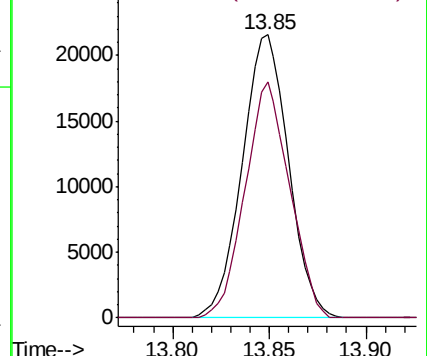
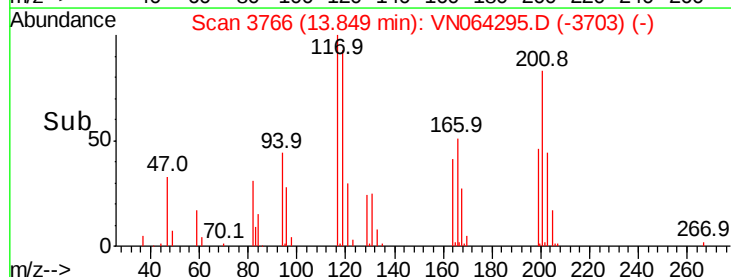
117 100

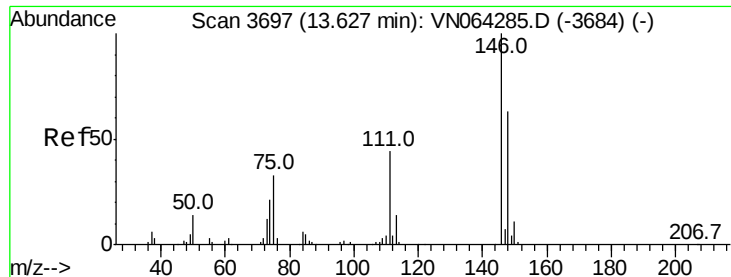
201 80.1 37.2 111.6



Abundance Ion 117.00 (116.70 to 117.70): VN064285.D (-3754) (-)

Ion 201.00 (200.70 to 201.70): VN064285.D (-3754) (-)





#87

1,2-Dichlorobenzene

Concen: 17.760 ug/l

RT: 13.63 min Scan# 3697

Delta R.T. 0.00 min

Lab File: VN064295.D

Acq: 23 Oct 2020 18:53

Instrument :

MSVOA_N

ClientSampleId :

VN1023WBSD01

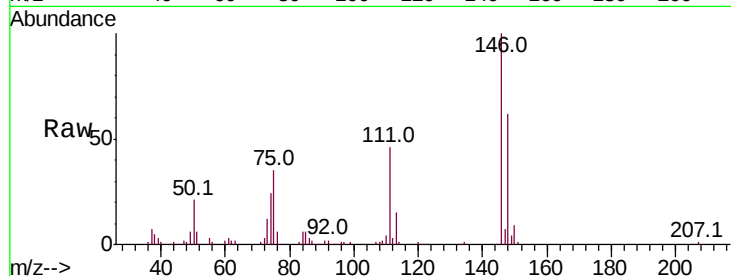
Tot Ion:146 Resp: 111296

Ion Ratio Lower Upper

146 100

111 44.8 23.1 69.3

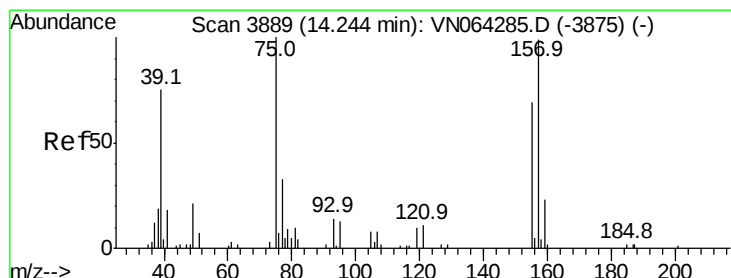
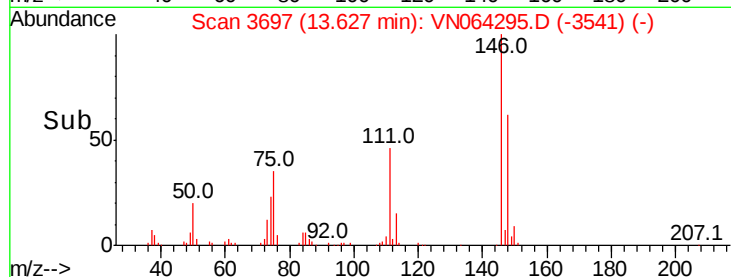
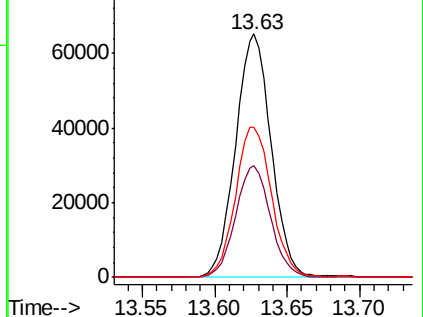
148 62.7 32.3 96.8



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



#88

1,2-Dibromo-3-Chloropropane

Concen: 18.078 ug/l

RT: 14.24 min Scan# 3888

Delta R.T. -0.00 min

Lab File: VN064295.D

Acq: 23 Oct 2020 18:53

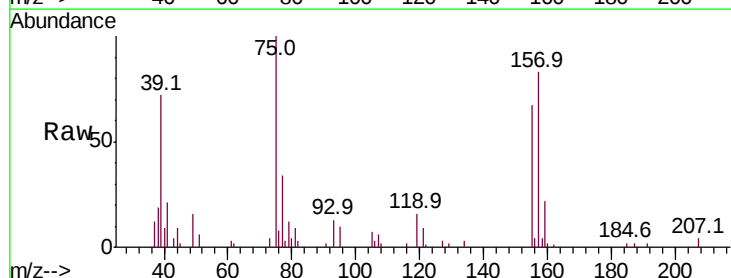
Tgt Ion: 75 Resp: 17688

Ion Ratio Lower Upper

75 100

155 70.2 56.6 84.8

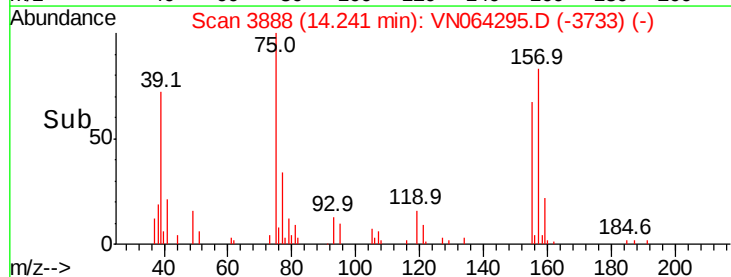
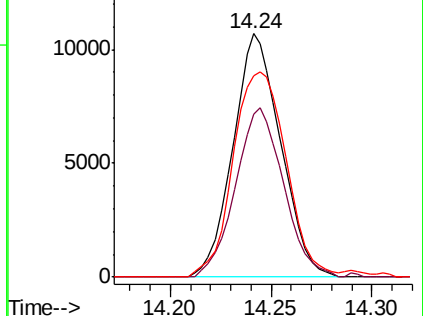
157 93.8 70.1 105.1

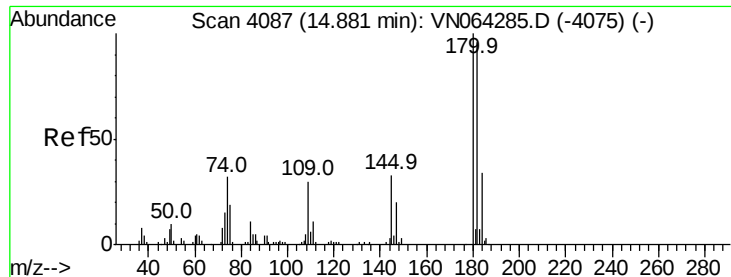


Abundance Ion 75.00 (74.70 to 75.70): VN

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

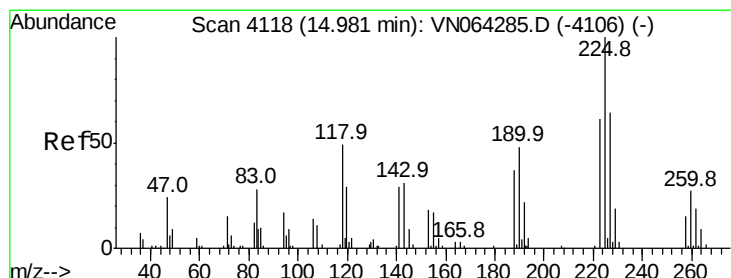
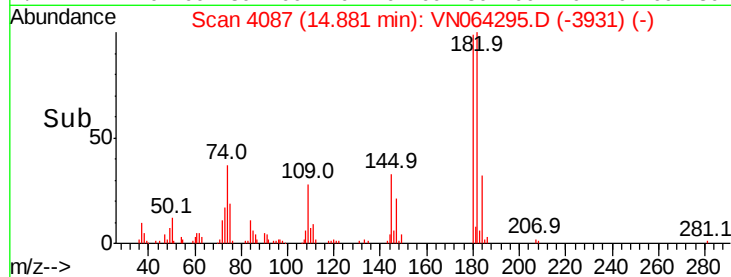
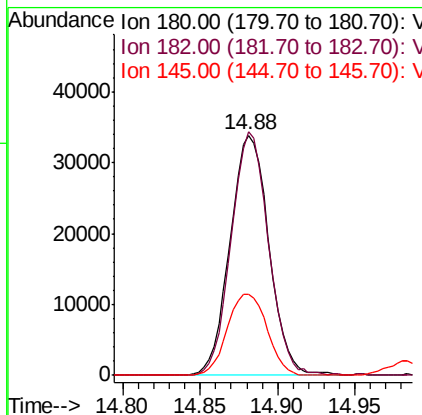
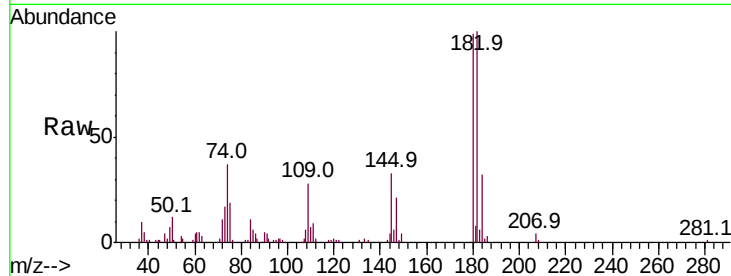




#89
 1,2,4-Trichlorobenzene
 Concen: 16.584 ug/l
 RT: 14.88 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN064295.D
 Acq: 23 Oct 2020 18:53

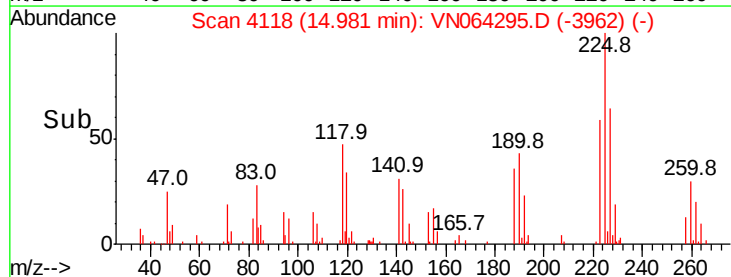
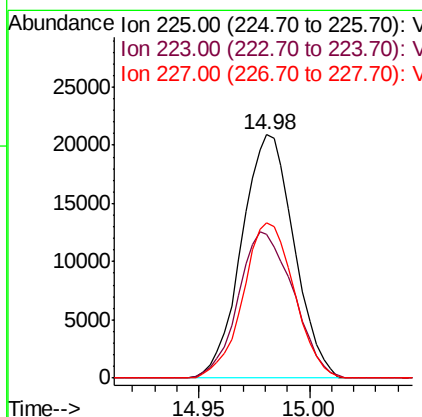
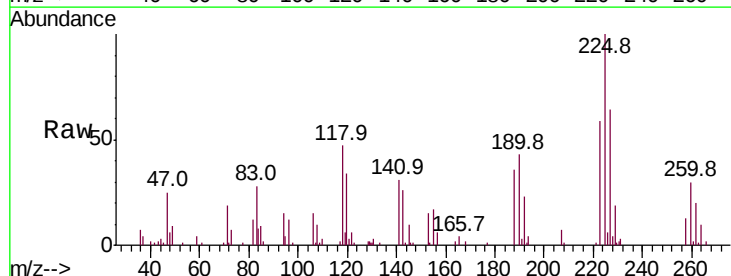
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1023WBSD01

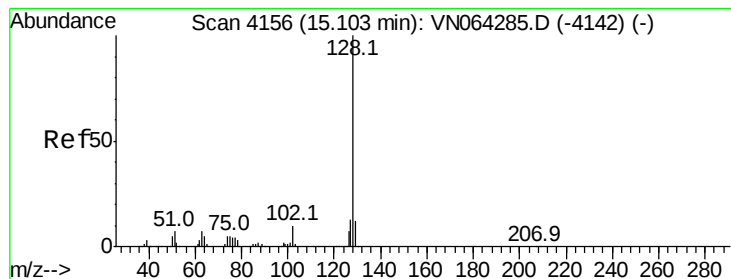
Tot Ion:180 Resp: 59284
 Ion Ratio Lower Upper
 180 100
 182 96.8 71.3 106.9
 145 34.2 23.9 35.9



#90
 Hexachlorobutadiene
 Concen: 17.544 ug/l
 RT: 14.98 min Scan# 4118
 Delta R.T. 0.00 min
 Lab File: VN064295.D
 Acq: 23 Oct 2020 18:53

Tgt Ion:225 Resp: 34343
 Ion Ratio Lower Upper
 225 100
 223 63.2 0.0 129.8
 227 62.3 0.0 128.6





#91

Naphthalene

Concen: 17.572 ug/l

RT: 15.10 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN064295.D

Acq: 23 Oct 2020 18:53

Instrument :

MSVOA_N

ClientSampleId :

VN1023WBSD01

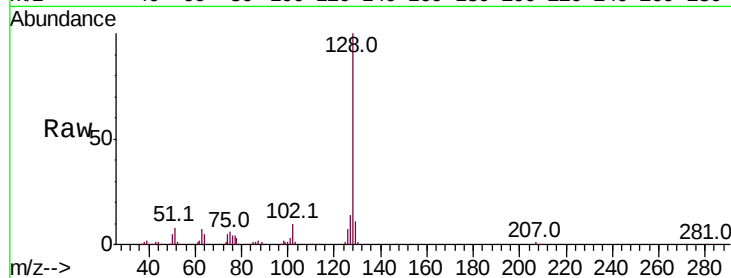
Tot Ion:128 Resp: 183704

Ion Ratio Lower Upper

128 100

127 13.7 9.9 14.9

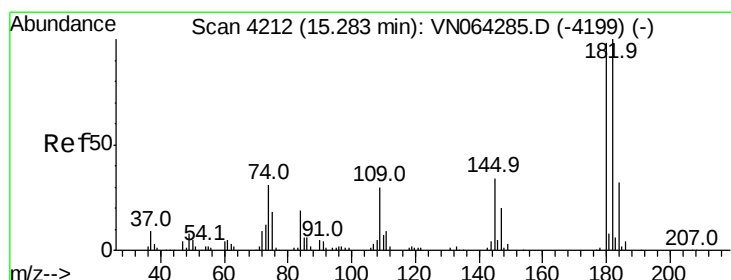
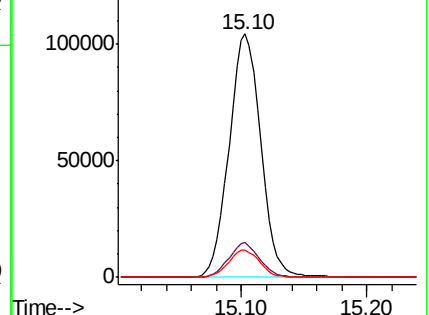
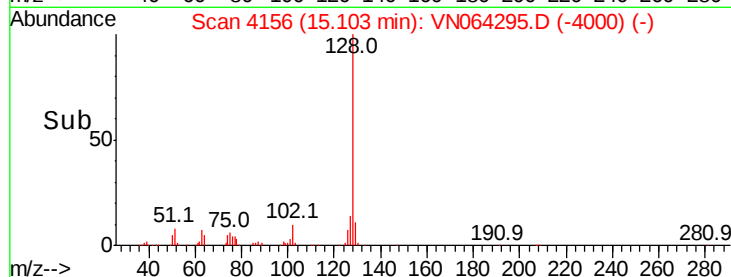
129 11.1 8.3 12.5



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: 17.140 ug/l

RT: 15.28 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN064295.D

Acq: 23 Oct 2020 18:53

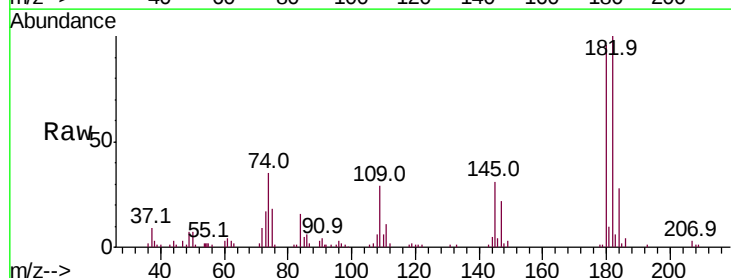
Tgt Ion:180 Resp: 58761

Ion Ratio Lower Upper

180 100

182 97.4 0.0 188.8

145 32.4 0.0 70.0



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

