

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102320\
 Data File : VN064294.D
 Acq On : 23 Oct 2020 18:30
 Operator : JC/MD
 Sample : VN1023WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1023WBS01

Quant Time: Oct 26 02:24:39 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	7.15	128	52121	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.55	114	309441	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.38	117	272633	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	7.98	65	147546	32.43	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	108.10%
60) 4-Bromofluorobenzene	12.38	95	147946	30.49	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	101.63%
63) Toluene-d8	10.06	98	368890	30.27	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	100.90%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.83	85	70079	20.668	ug/l 94
3) Chloromethane	2.04	50	68092	19.014	ug/l 98
4) Vinyl Chloride	2.16	62	66393	18.456	ug/l 99
5) Bromomethane	2.54	94	42693	18.079	ug/l 95
6) Chloroethane	2.67	64	41449	19.647	ug/l 94
7) Trichlorofluoromethane	2.99	101	120525	19.807	ug/l 99
8) Diethyl Ether	3.38	74	36519	18.212	ug/l 95
9) 1,1,2-Trichlorotrifluoroet	3.72	101	57970	19.112	ug/l 94
10) 1,1-Dichloroethene	3.70	96	54905	18.878	ug/l 94
11) Methyl Iodide	3.92	142	74231	17.812	ug/l 99
12) Methyl Acetate	4.28	43	64658	19.011	ug/l 100
13) Acrolein	3.57	56	19210	68.832	ug/l 98
14) Acrylonitrile	4.93	53	121528	92.329	ug/l 100
15) Acetone	3.77	58	38935	92.409	ug/l 94
16) Carbon Disulfide	4.01	76	151665	17.999	ug/l # 93
17) Allyl chloride	4.28	41	109647	19.666	ug/l 89
18) Methylene Chloride	4.51	84	65107	19.147	ug/l 91
19) trans-1,2-Dichloroethene	5.00	96	59997	18.147	ug/l 97
20) Diisopropyl ether	5.90	45	201869	19.000	ug/l 98
21) 1,1-Dichloroethane	5.80	63	121285	19.141	ug/l 96
22) cis-1,2-Dichloroethene	6.78	96	72686	19.165	ug/l # 88
23) tert-Butyl Alcohol	4.73	59	57267	93.831	ug/l # 100
24) Methyl tert-Butyl Ether	5.00	73	193125	19.119	ug/l # 76
25) Chloroform	7.33	83	125854	18.351	ug/l 99
26) Cyclohexane	7.61	56	91451	18.610	ug/l # 97
29) 1,1-Dichloropropene	7.75	75	93986	17.570	ug/l 98
30) 2-Butanone	6.78	43	214780	91.421	ug/l # 97
31) 2,2-Dichloropropane	6.78	77	118691	17.728	ug/l 96
32) 1,1,1-Trichloroethane	7.53	97	124071	18.152	ug/l 96
33) Carbon Tetrachloride	7.74	117	109048	17.809	ug/l 96
34) Benzene	8.00	78	254513	17.410	ug/l 98
35) Methacrylonitrile	7.13	41	42120	17.783	ug/l 93
36) 1,2-Dichloroethane	8.08	62	112737	18.088	ug/l 99
37) Trichloroethene	8.80	130	71429	17.755	ug/l 90
38) Methylcyclohexane	9.05	83	83316	17.060	ug/l 98
39) 1,2-Dichloropropane	9.09	63	68565	17.544	ug/l 98
40) Dibromomethane	9.17	93	51649	18.890	ug/l 97

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Instrument :
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 ClientSampleID :
 VN1023WBS01

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 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)
41) Bromodichloromethane	9.37	83	104780	17.671	ug/l	88
42) Vinyl Acetate	5.85	43	921749	88.954	ug/l	99
43) Ethyl Acetate	6.88	43	76860	15.454	ug/l #	84
44) Isopropyl Acetate	8.13	43	157748	17.684	ug/l #	84
45) 1,4-Dioxane	9.16	88	20260	371.885	ug/l	89
46) Methyl methacrylate	9.17	41	77990	18.082	ug/l	97
47) n-amyl Acetate	12.05	43	135230	17.570	ug/l	98
48) t-1,3-Dichloropropene	10.35	75	117776	17.792	ug/l	95
49) cis-1,3-Dichloropropene	9.81	75	121003	17.600	ug/l	99
50) 1,1,2-Trichloroethane	10.53	97	64435	17.890	ug/l #	94
51) Ethyl methacrylate	10.40	69	96547	17.427	ug/l	90
52) 1,3-Dichloropropane	10.68	76	114107	17.917	ug/l	99
53) Dibromochloromethane	10.87	129	77386	17.197	ug/l	92
54) 1,2-Dibromoethane	10.98	107	69359	18.021	ug/l	100
55) 2-Chloroethyl vinyl ether	9.66	63	251963	93.609	ug/l	99
56) Bromoform	12.10	173	53216	16.726	ug/l #	97
58) 4-Methyl-2-Pentanone	9.95	43	446279	94.978	ug/l	100
59) 2-Hexanone	10.72	43	330621	92.802	ug/l	98
61) Tetrachloroethene	10.60	164	69839	18.334	ug/l	97
62) Toluene	10.13	91	282608	18.007	ug/l	98
64) Chlorobenzene	11.41	112	176475	18.127	ug/l	97
65) 1,1,1,2-Tetrachloroethane	11.48	131	71731	18.445	ug/l	99
66) Ethyl Benzene	11.48	91	326669	18.155	ug/l	98
67) m/p-Xylenes	11.59	106	244908	36.703	ug/l	99
68) o-Xylene	11.92	106	115325	17.799	ug/l	98
69) Styrene	11.94	104	194957	18.071	ug/l	99
70) Isopropylbenzene	12.22	105	318597	18.599	ug/l	97
71) 1,1,2,2-Tetrachloroethane	12.48	83	86311	18.784	ug/l	97
72) 1,2,3-Trichloropropane	12.53	75	130205	27.289	ug/l	62
73) Bromobenzene	12.50	156	72998	17.518	ug/l	97
74) n-propylbenzene	12.57	91	355918	18.108	ug/l	98
75) 2-Chlorotoluene	12.65	91	223084	18.381	ug/l	98
76) 1,3,5-Trimethylbenzene	12.71	105	269090	18.534	ug/l	99
77) t-1,4-Dichloro-2-butene	12.27	75	31933	17.307	ug/l	83
78) 4-Chlorotoluene	12.75	91	232830	18.400	ug/l	100
79) tert-butylbenzene	12.97	119	211851	17.854	ug/l	94
80) 1,2,4-Trimethylbenzene	13.01	105	267137	18.129	ug/l	99
81) sec-Butylbenzene	13.14	105	275384	17.878	ug/l	96
82) p-Isopropyltoluene	13.26	119	251659	17.804	ug/l	98
83) 1,3-Dichlorobenzene	13.26	146	131143	17.843	ug/l	100
84) 1,4-Dichlorobenzene	13.34	146	134383	17.956	ug/l	99
85) n-Butylbenzene	13.59	91	218892	17.599	ug/l	97
86) Hexachloroethane	13.85	117	42166	17.667	ug/l	94
87) 1,2-Dichlorobenzene	13.63	146	129256	18.024	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	14.24	75	20736	18.520	ug/l	98
89) 1,2,4-Trichlorobenzene	14.88	180	69533	16.997	ug/l	94
90) Hexachlorobutadiene	14.98	225	38790	17.317	ug/l	98
91) Naphthalene	15.10	128	209973	17.552	ug/l	97
92) 1,2,3-Trichlorobenzene	15.28	180	67705	17.258	ug/l	99

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Instrument :
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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Mon Oct 26 01:30:11 2020
Response via : Initial Calibration

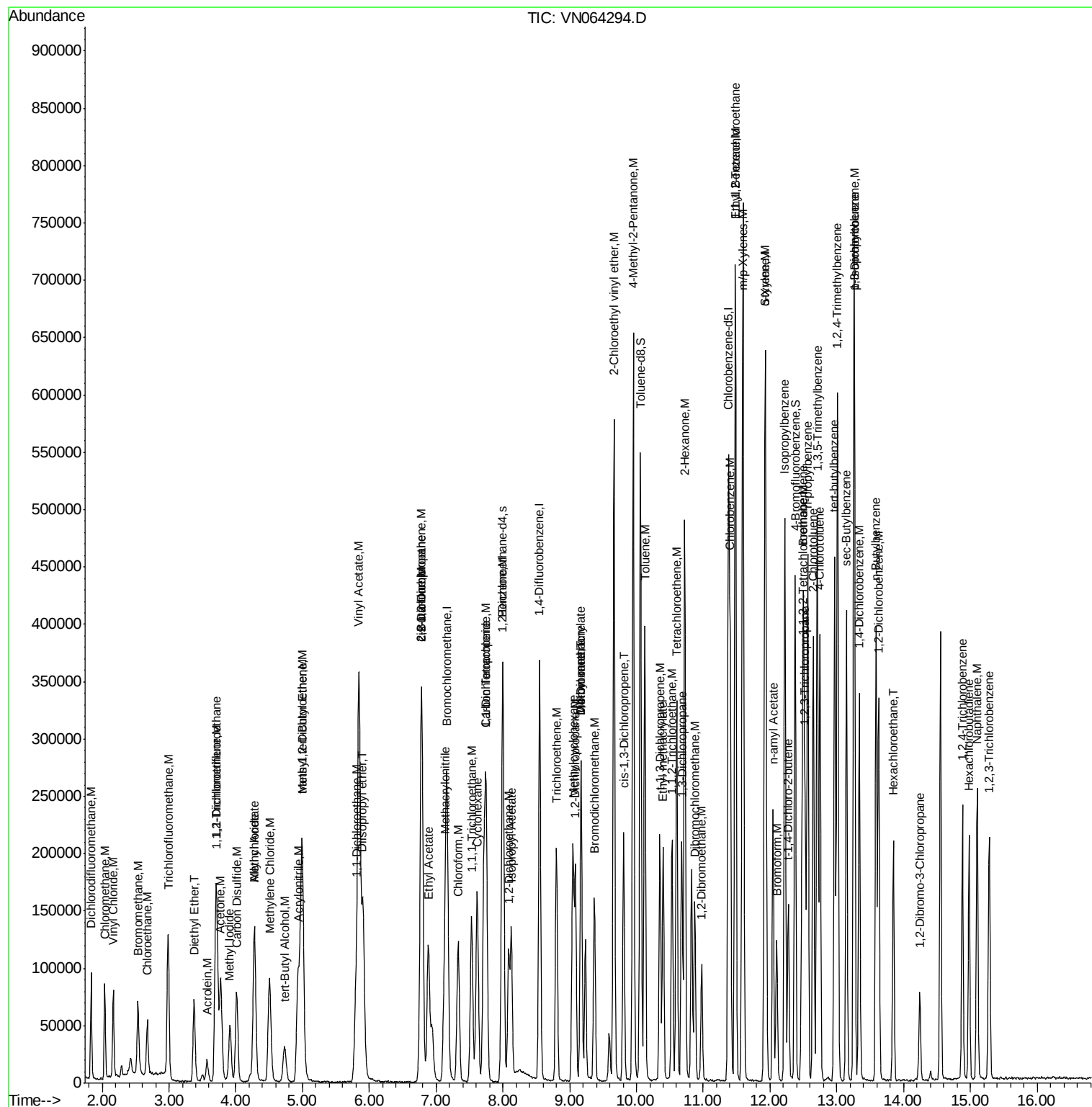
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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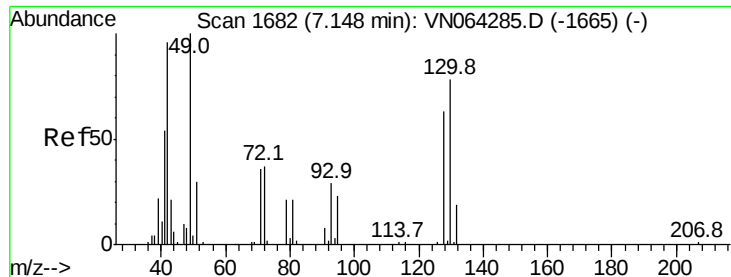
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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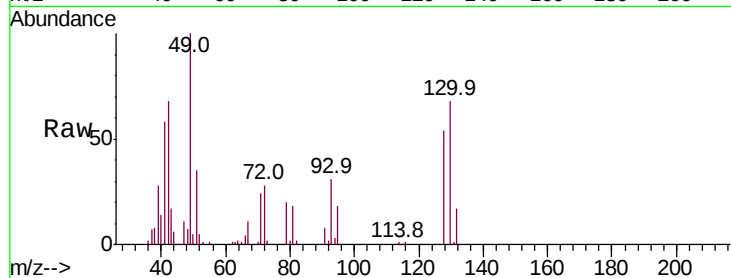




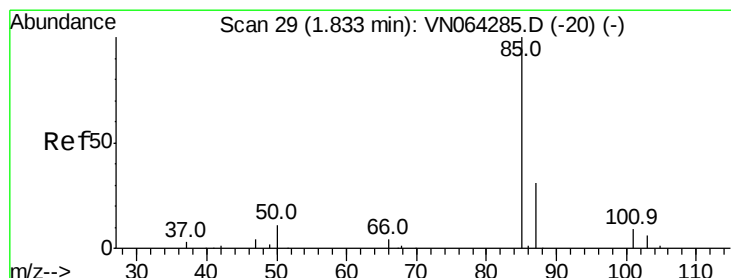
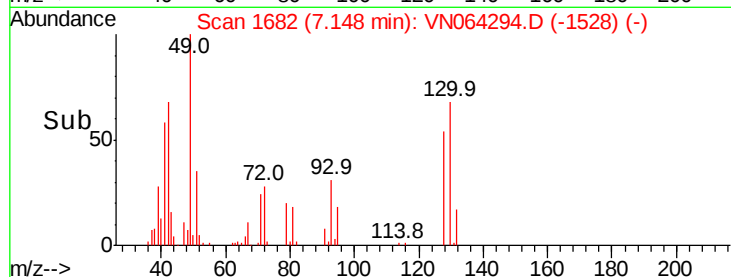
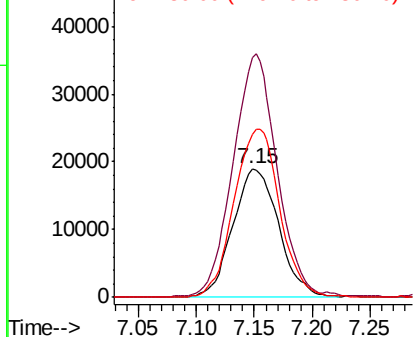
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.15 min Scan# 1682
Delta R.T. -0.00 min
Lab File: VN064294.D
Acq: 23 Oct 2020 18:30

Instrument :
MSVOA_N
ClientSampleId :
VN1023WBS01

Tot Ion:128 Resp: 52121
Ion Ratio Lower Upper
128 100
49 179.2 0.0 445.0
130 130.2 0.0 320.2

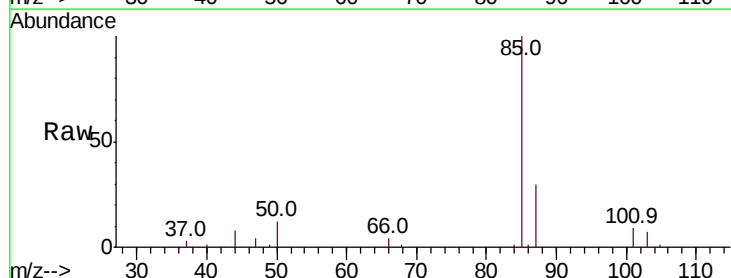


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 49.00 (48.70 to 49.70): VN
Ion 130.00 (129.70 to 130.70): V

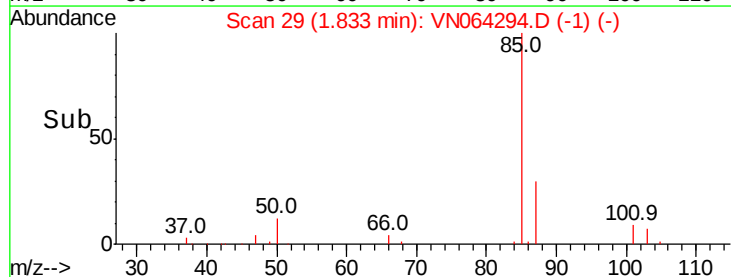
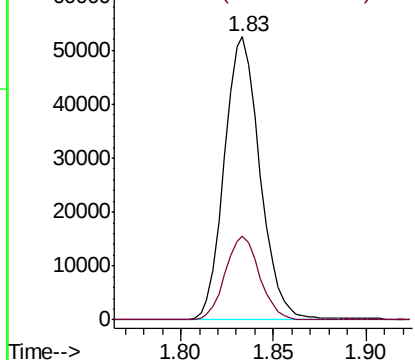


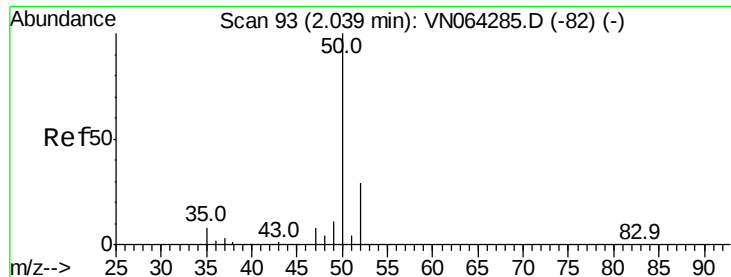
#2
Dichlorodifluoromethane
Concen: 20.668 ug/l
RT: 1.83 min Scan# 29
Delta R.T. -0.00 min
Lab File: VN064294.D
Acq: 23 Oct 2020 18:30

Tgt Ion: 85 Resp: 70079
Ion Ratio Lower Upper
85 100
87 29.6 16.4 49.2



Abundance Ion 85.00 (84.70 to 85.70): VN
Ion 87.00 (86.70 to 87.70): VN





#3

Chloromethane

Concen: 19.014 ug/l

RT: 2.04 min Scan# 93

Delta R.T. -0.00 min

Lab File: VN064294.D

Acq: 23 Oct 2020 18:30

Instrument :

MSVOA_N

ClientSampled :

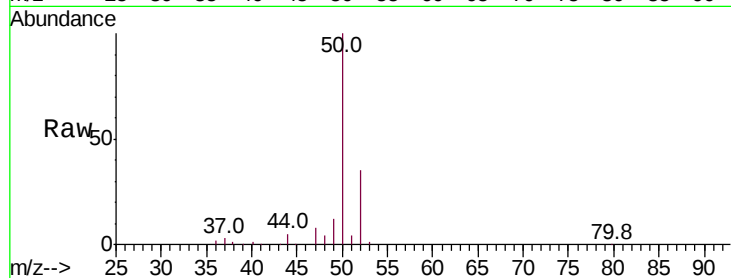
VN1023WBS01

Tot Ion: 50 Resp: 68092

Ion Ratio Lower Upper

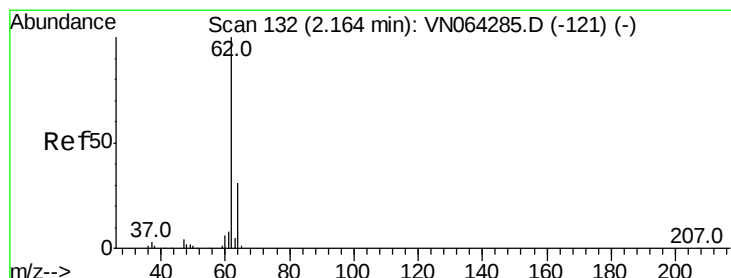
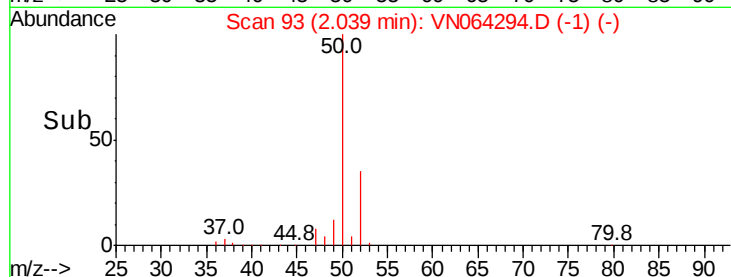
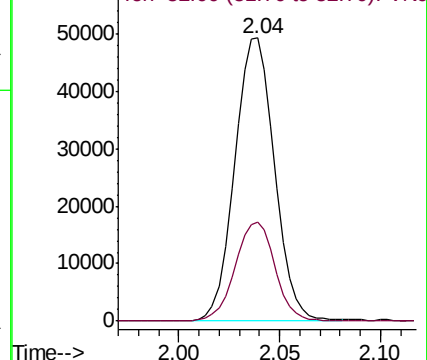
50 100

52 34.8 27.1 40.7



Abundance Ion 50.00 (49.70 to 50.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



#4

Vinyl Chloride

Concen: 18.456 ug/l

RT: 2.16 min Scan# 132

Delta R.T. -0.00 min

Lab File: VN064294.D

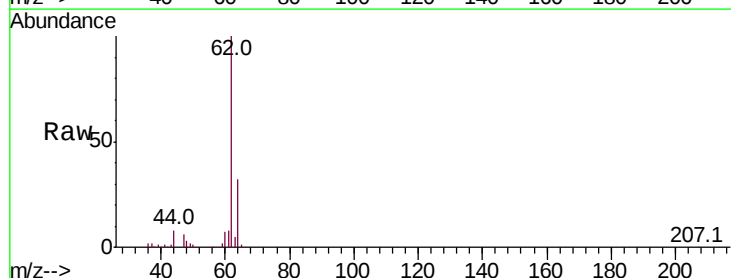
Acq: 23 Oct 2020 18:30

Tgt Ion: 62 Resp: 66393

Ion Ratio Lower Upper

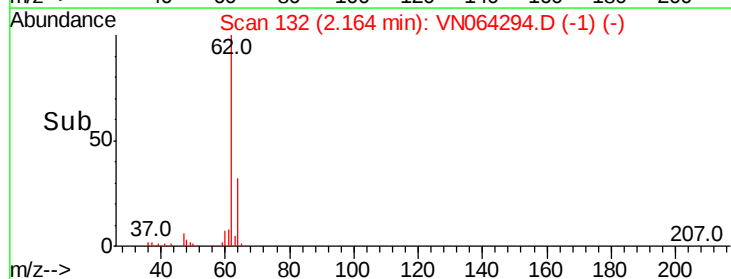
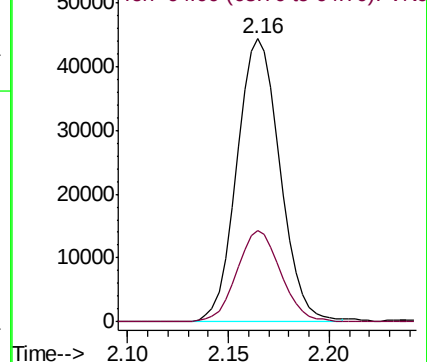
62 100

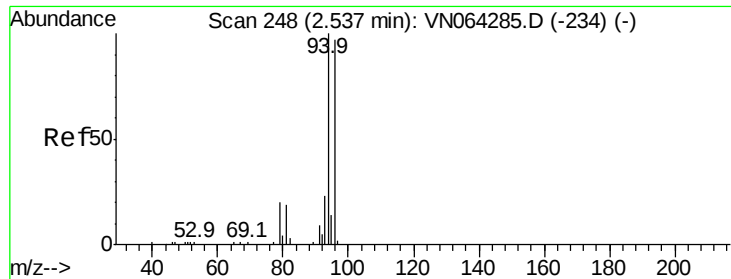
64 32.5 26.6 39.8



Abundance Ion 62.00 (61.70 to 62.70): VN0

Ion 64.00 (63.70 to 64.70): VN0





#5

Bromomethane

Concen: 18.079 ug/l

RT: 2.54 min Scan# 248

Delta R.T. -0.00 min

Lab File: VN064294.D

Acq: 23 Oct 2020 18:30

Instrument :

MSVOA_N

ClientSampleId :

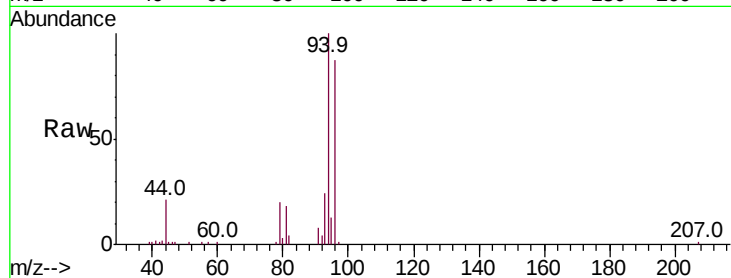
VN1023WBS01

Tot Ion: 94 Resp: 42693

Ion Ratio Lower Upper

94 100

96 85.6 72.4 108.6



Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0

25000

20000

15000

10000

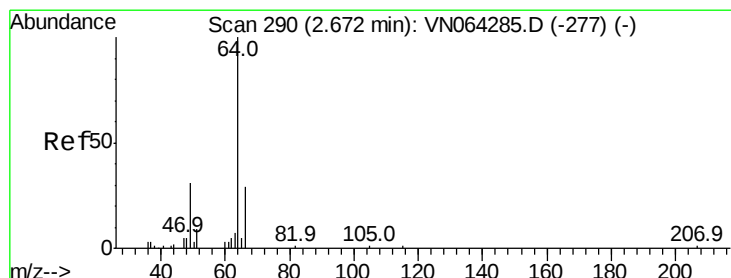
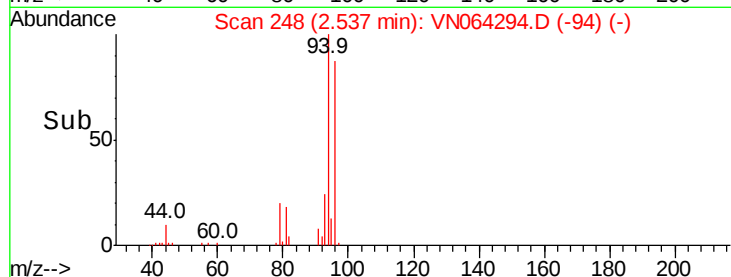
5000

0

2.54

2.45 2.50 2.55 2.60

Time-->



#6

Chloroethane

Concen: 19.647 ug/l

RT: 2.67 min Scan# 290

Delta R.T. -0.00 min

Lab File: VN064294.D

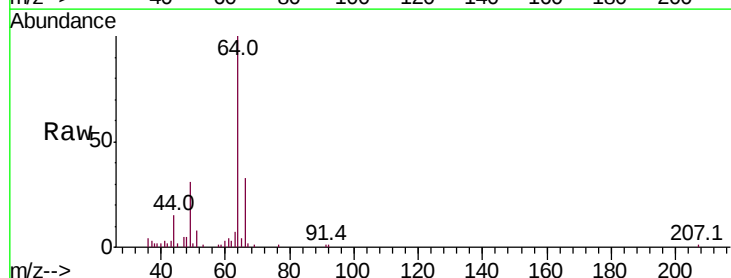
Acq: 23 Oct 2020 18:30

Tgt Ion: 64 Resp: 41449

Ion Ratio Lower Upper

64 100

66 32.6 23.4 35.2



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0

25000

20000

15000

10000

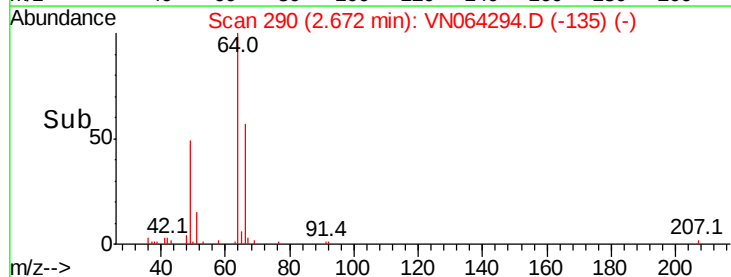
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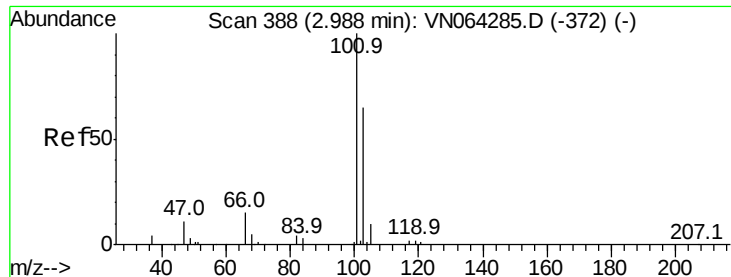
0

2.67

2.60 2.65 2.70 2.75

Time-->



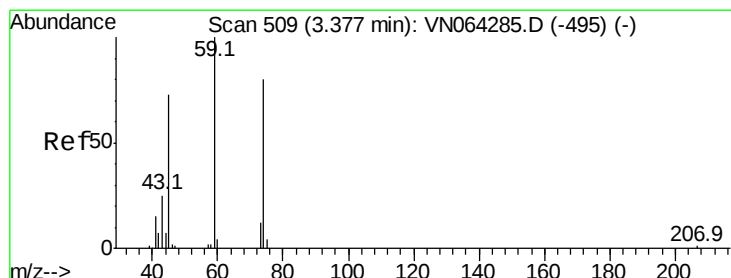
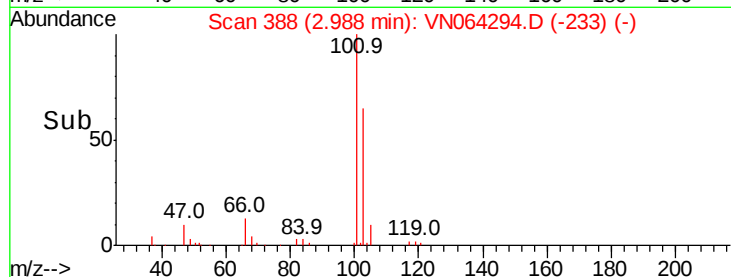
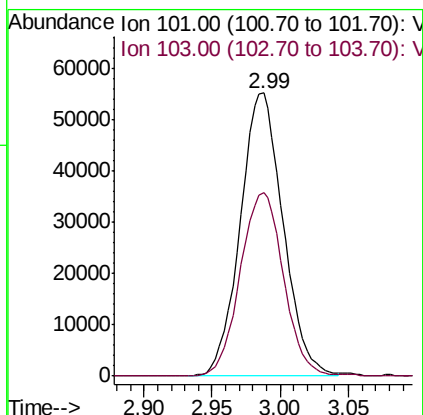
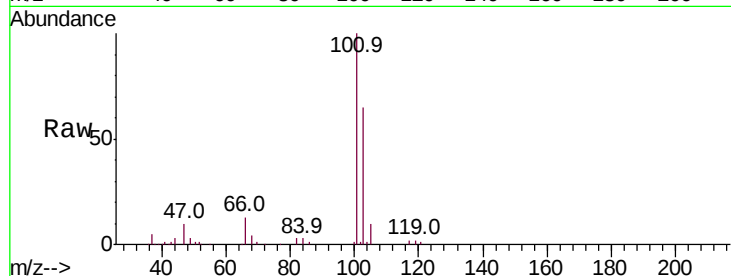


#7

Trichlorofluoromethane
 Concen: 19.807 ug/l
 RT: 2.99 min Scan# 388
 Delta R.T. -0.00 min
 Lab File: VN064294.D
 Acq: 23 Oct 2020 18:30

Instrument :
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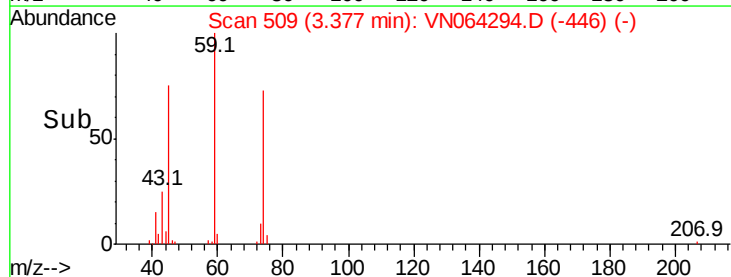
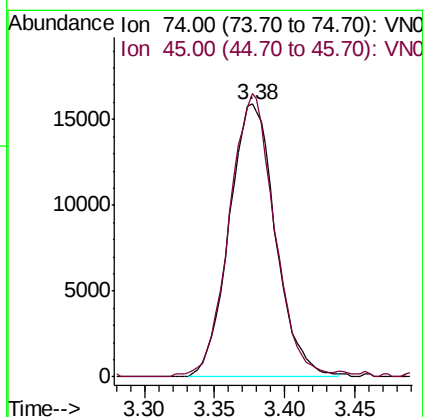
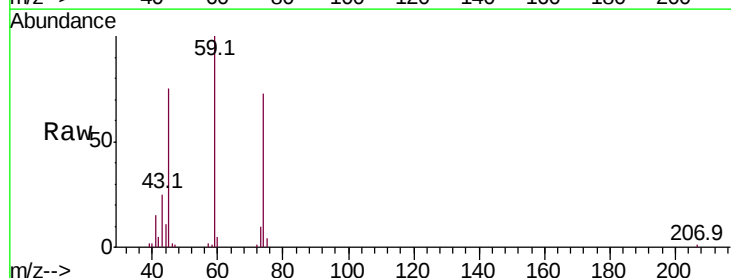
Tot Ion:101 Resp: 120525
 Ion Ratio Lower Upper
 101 100
 103 64.8 51.4 77.0

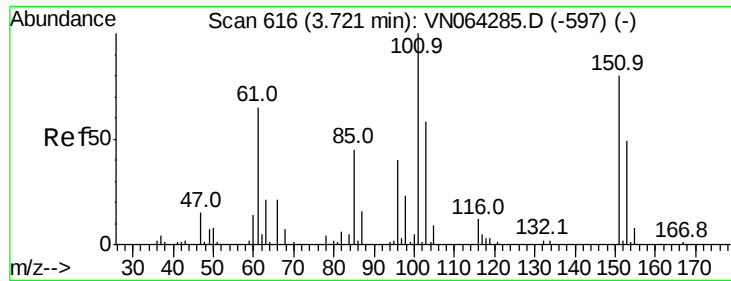


#8

Diethyl Ether
 Concen: 18.212 ug/l
 RT: 3.38 min Scan# 509
 Delta R.T. 0.00 min
 Lab File: VN064294.D
 Acq: 23 Oct 2020 18:30

Tgt Ion: 74 Resp: 36519
 Ion Ratio Lower Upper
 74 100
 45 101.2 21.3 191.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.112 ug/l

RT: 3.72 min Scan# 617

Delta R.T. -0.00 min

Lab File: VN064294.D

Acq: 23 Oct 2020 18:30

Instrument :

MSVOA_N

ClientSampled :

VN1023WBS01

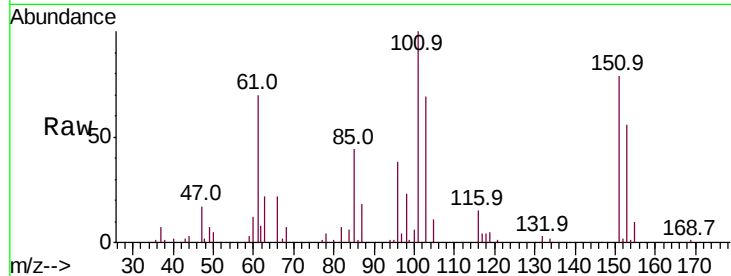
Tot Ion:101 Resp: 57970

Ion Ratio Lower Upper

101 100

85 20.4 0.0 47.4

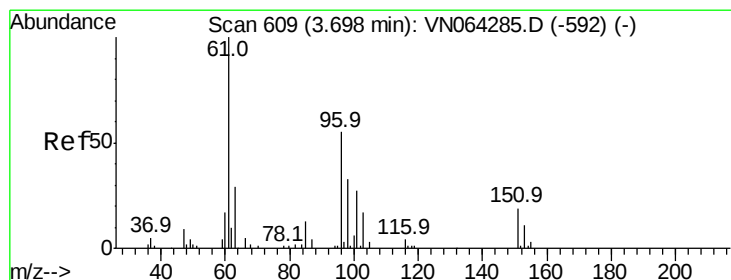
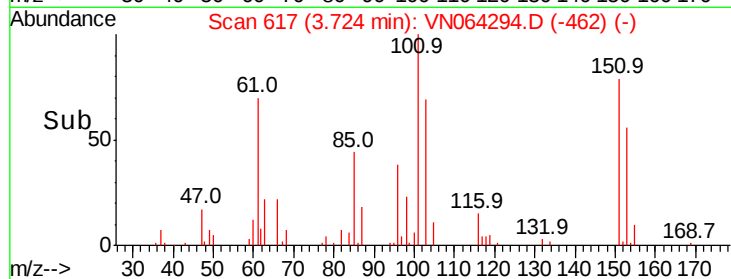
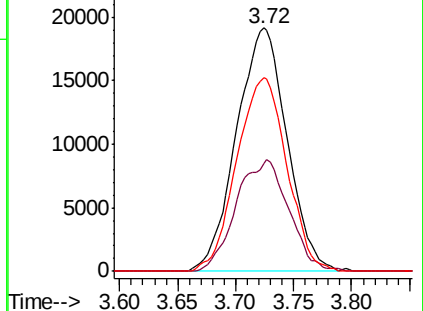
151 78.8 0.0 148.4



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: 18.878 ug/l

RT: 3.70 min Scan# 609

Delta R.T. -0.00 min

Lab File: VN064294.D

Acq: 23 Oct 2020 18:30

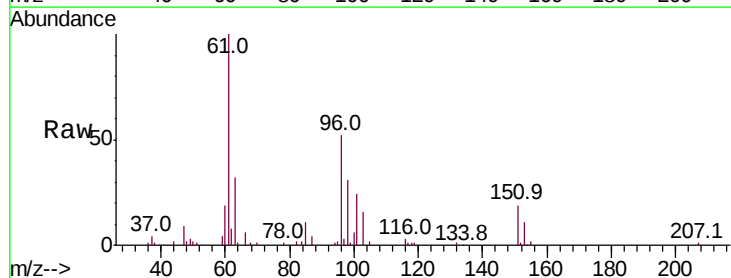
Tgt Ion: 96 Resp: 54905

Ion Ratio Lower Upper

96 100

61 190.3 144.2 216.4

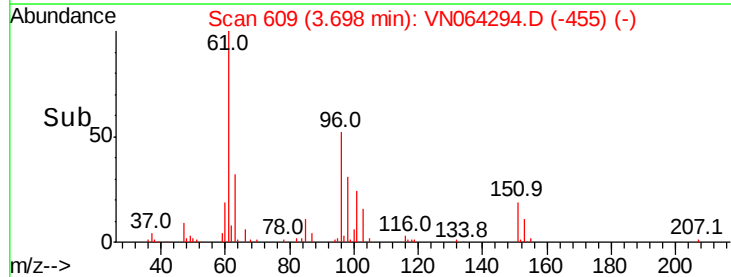
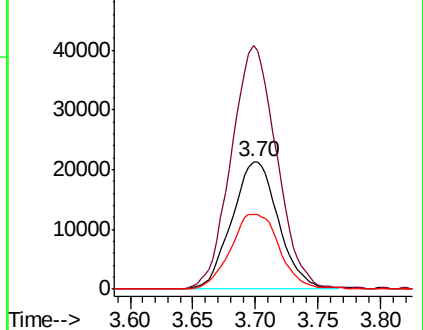
98 58.5 47.4 71.0

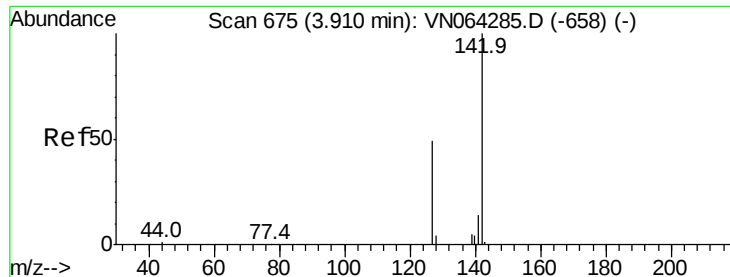


Abundance Ion 96.00 (95.70 to 96.70): VN

Ion 61.00 (60.70 to 61.70): VN

Ion 98.00 (97.70 to 98.70): VN

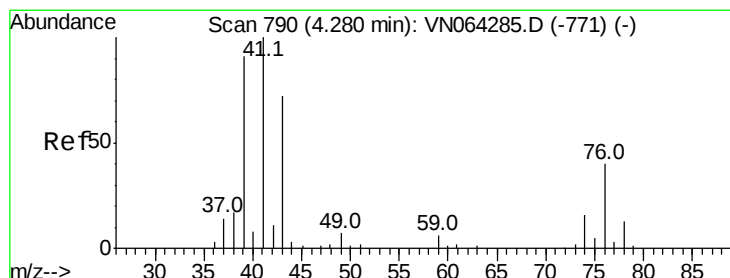
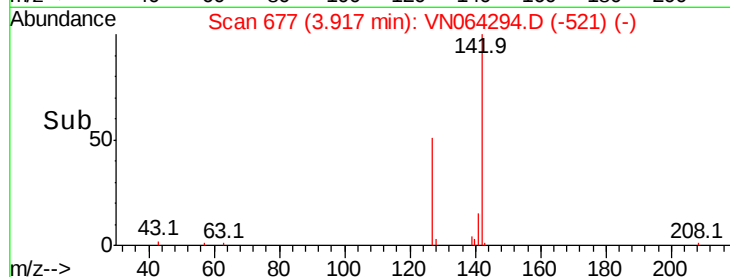
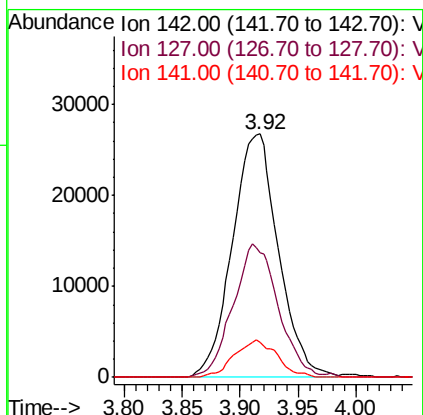
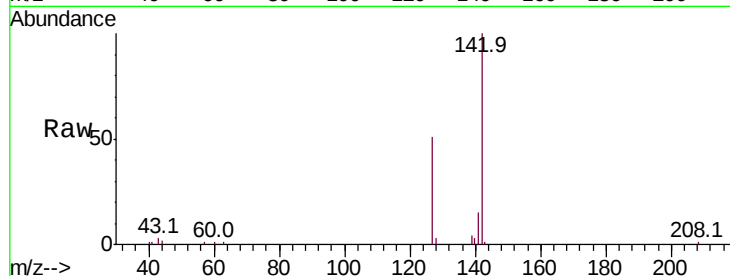




#11
Methvl Iodide
Concen: 17.812 ug/l
RT: 3.92 min Scan# 677
Delta R.T. 0.00 min
Lab File: VN064294.D
Acq: 23 Oct 2020 18:30

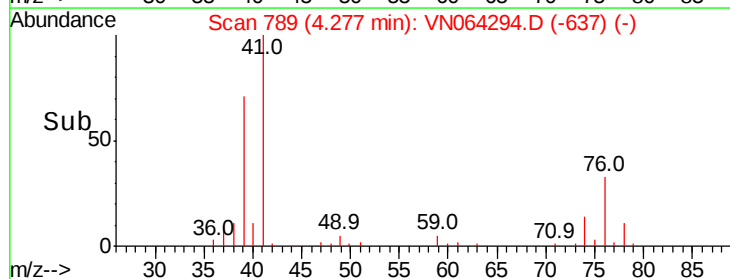
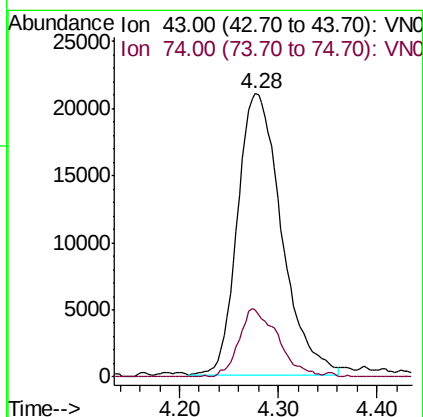
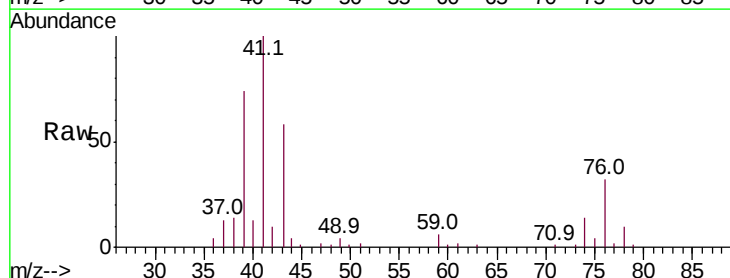
Instrument :
MSVOA_N
ClientSampleId :
VN1023WBS01

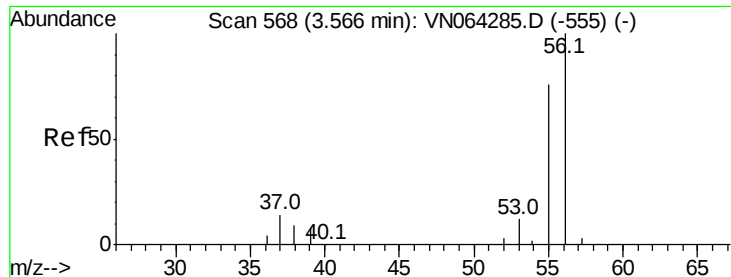
Tot Ion:142 Resp: 74231
Ion Ratio Lower Upper
142 100
127 51.2 25.9 77.8
141 14.7 7.5 22.6



#12
Methyl Acetate
Concen: 19.011 ug/l
RT: 4.28 min Scan# 789
Delta R.T. -0.01 min
Lab File: VN064294.D
Acq: 23 Oct 2020 18:30

Tgt Ion: 43 Resp: 64658
Ion Ratio Lower Upper
43 100
74 24.0 19.0 28.6





#13

Acrolein

Concen: 68.832 ug/l

RT: 3.57 min Scan# 569

Delta R.T. -0.00 min

Lab File: VN064294.D

Acq: 23 Oct 2020 18:30

Instrument :

MSVOA_N

ClientSampleId :

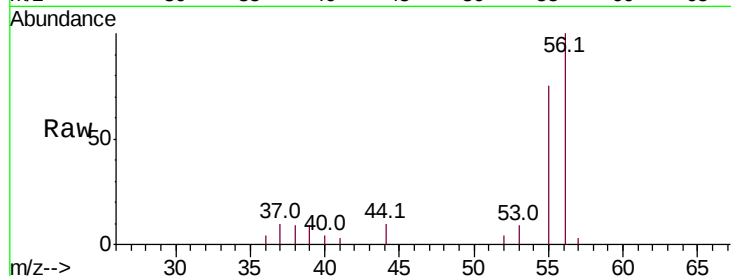
VN1023WBS01

Tot Ion: 56 Resp: 19210

Ion Ratio Lower Upper

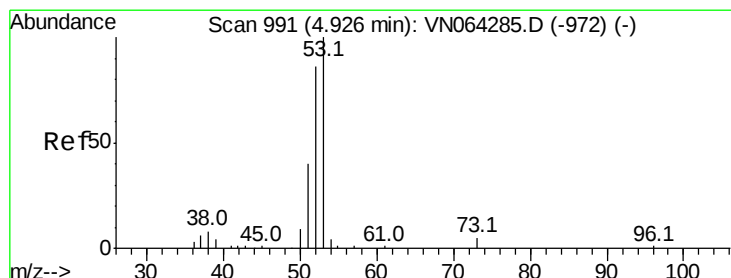
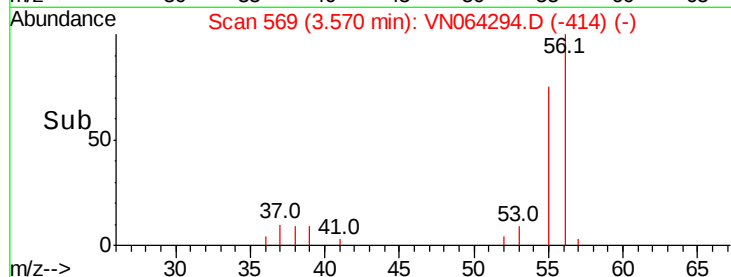
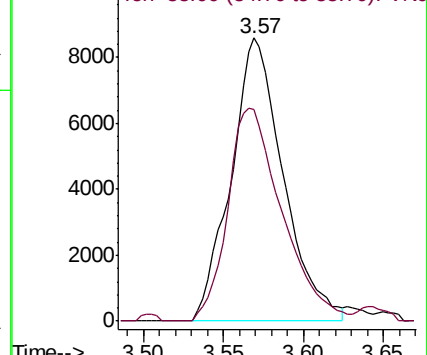
56 100

55 78.2 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: 92.329 ug/l

RT: 4.93 min Scan# 992

Delta R.T. -0.00 min

Lab File: VN064294.D

Acq: 23 Oct 2020 18:30

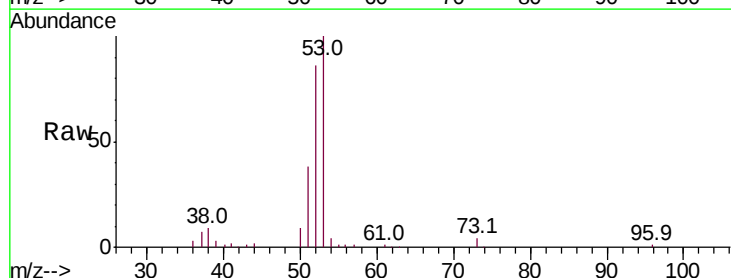
Tgt Ion: 53 Resp: 121528

Ion Ratio Lower Upper

53 100

52 83.0 41.7 125.1

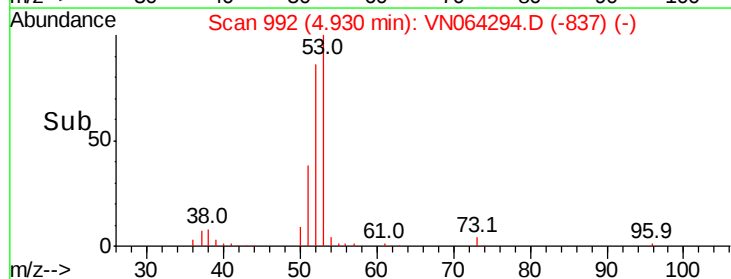
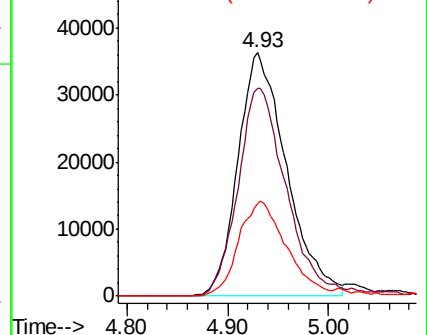
51 38.0 18.9 56.7

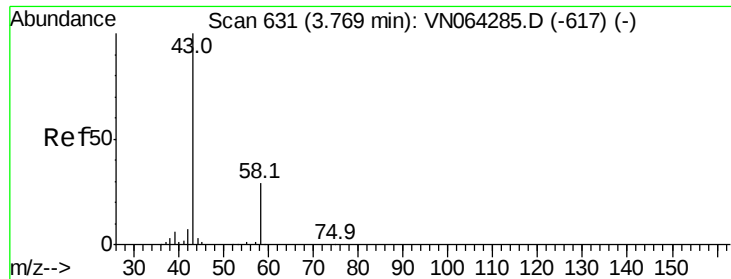


Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0





#15

Acetone

Concen: 92.409 ug/l

RT: 3.77 min Scan# 632

Delta R.T. -0.01 min

Lab File: VN064294.D

Acq: 23 Oct 2020 18:30

Instrument :

MSVOA_N

ClientSampleId :

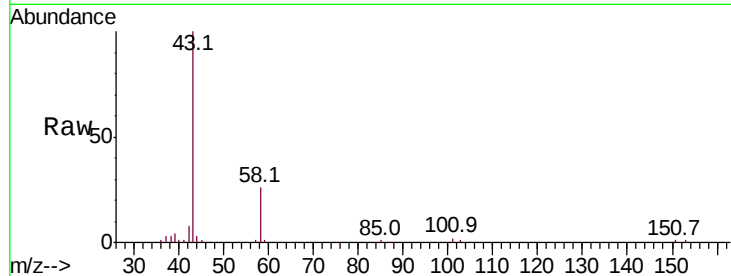
VN1023WBS01

Tot Ion: 58 Resp: 38935

Ion Ratio Lower Upper

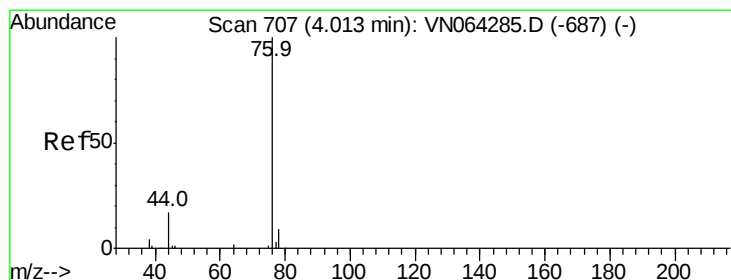
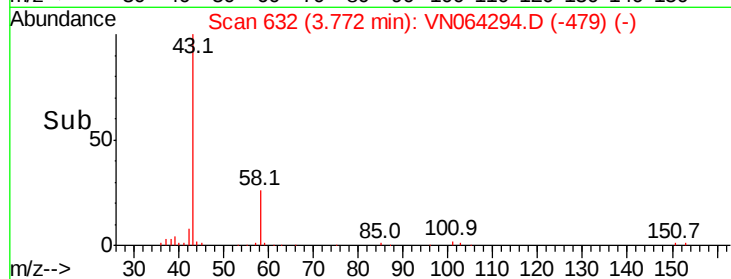
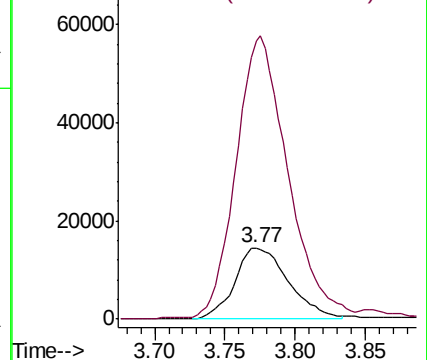
58 100

43 385.6 297.4 446.0



Abundance Ion 58.00 (57.70 to 58.70): VN064294.D (-552) (-)

Ion 43.00 (42.70 to 43.70): VN064294.D (-552) (-)



#16

Carbon Disulfide

Concen: 17.999 ug/l

RT: 4.01 min Scan# 706

Delta R.T. -0.00 min

Lab File: VN064294.D

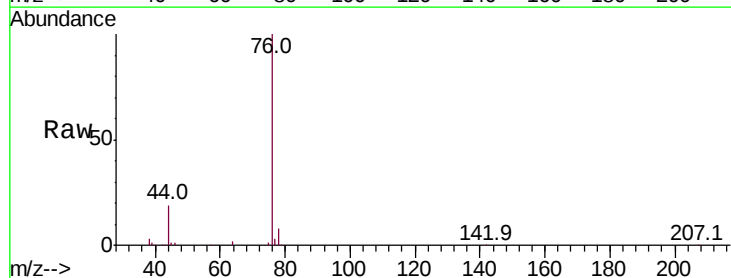
Acq: 23 Oct 2020 18:30

Tgt Ion: 76 Resp: 151665

Ion Ratio Lower Upper

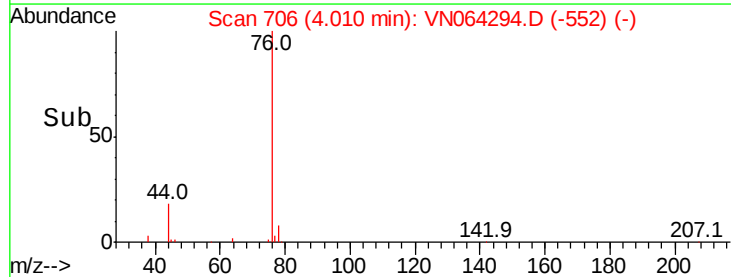
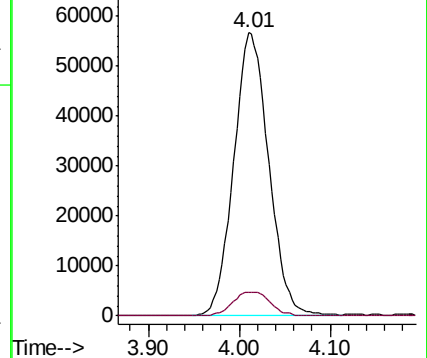
76 100

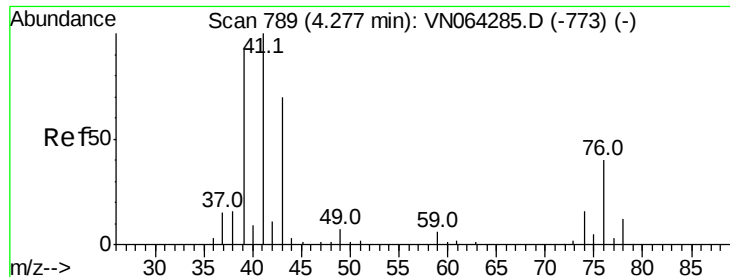
78 8.4 9.0 13.4#



Abundance Ion 76.00 (75.70 to 76.70): VN064294.D (-552) (-)

Ion 78.00 (77.70 to 78.70): VN064294.D (-552) (-)

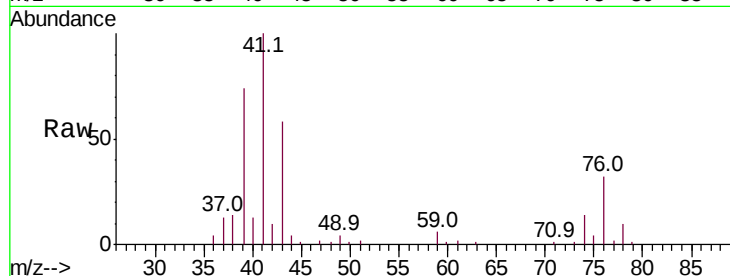




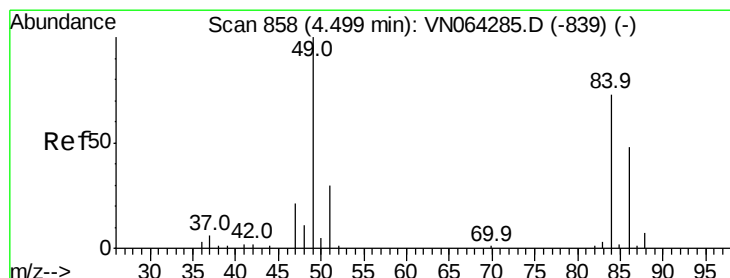
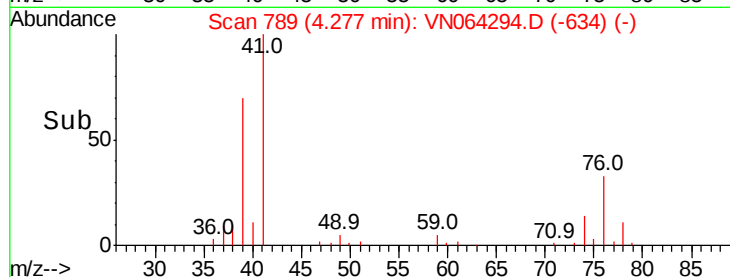
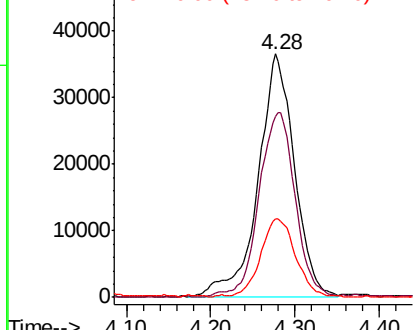
#17
Allvl chloride
Concen: 19.666 ug/l
RT: 4.28 min Scan# 789
Delta R.T. -0.00 min
Lab File: VN064294.D
Acq: 23 Oct 2020 18:30

Instrument :
MSVOA_N
ClientSampleId :
VN1023WBS01

Tot Ion: 41 Resp: 109647
Ion Ratio Lower Upper
41 100
39 73.7 39.9 119.6
76 31.4 21.4 64.2

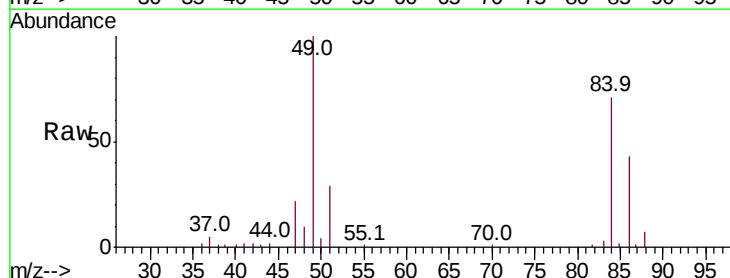


Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 39.00 (38.70 to 39.70): VNC
Ion 76.00 (75.70 to 76.70): VNC

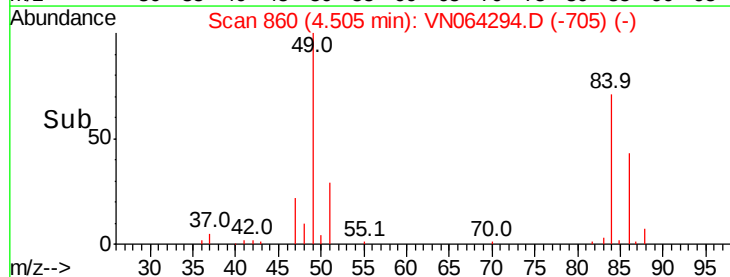
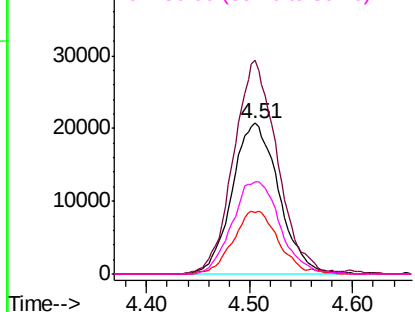


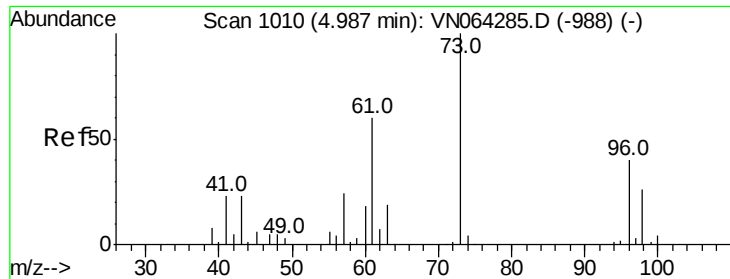
#18
Methylene Chloride
Concen: 19.147 ug/l
RT: 4.51 min Scan# 860
Delta R.T. -0.00 min
Lab File: VN064294.D
Acq: 23 Oct 2020 18:30

Tgt Ion: 84 Resp: 65107
Ion Ratio Lower Upper
84 100
49 140.5 101.1 151.7
51 41.2 33.4 50.0
86 60.9 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

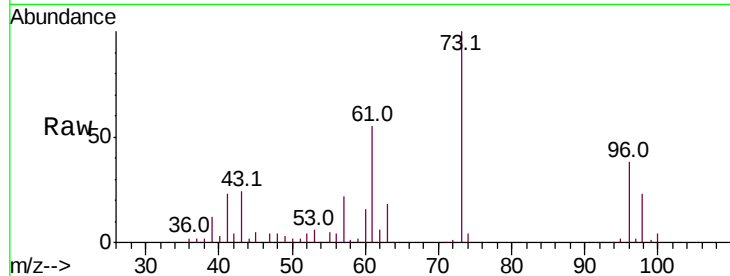




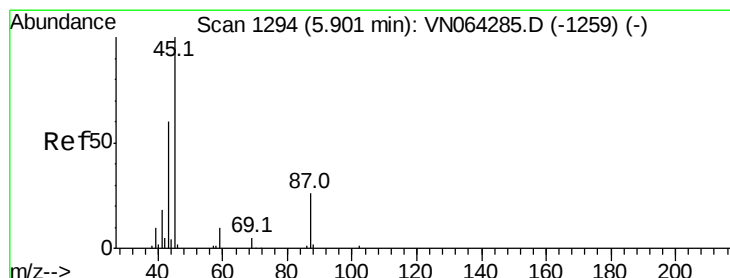
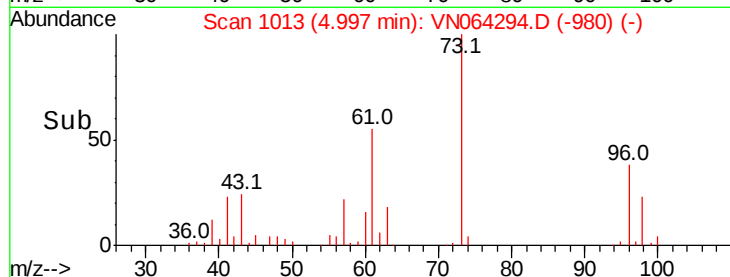
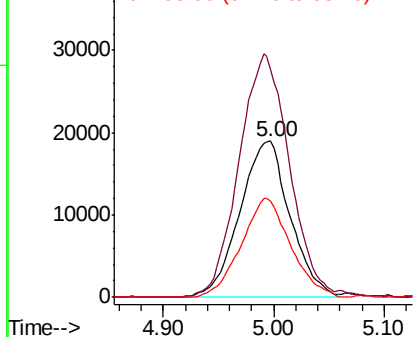
#19
trans-1,2-Dichloroethene
Concen: 18.147 ug/l
RT: 5.00 min Scan# 1013
Delta R.T. 0.01 min
Lab File: VN064294.D
Acq: 23 Oct 2020 18:30

Instrument :
MSVOA_N
ClientSampleId :
VN1023WBS01

Tot Ion: 96 Resp: 59997
Ion Ratio Lower Upper
96 100
61 145.2 114.2 171.2
98 61.9 52.8 79.2

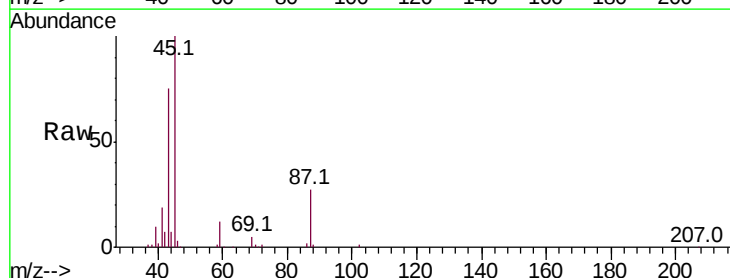


Abundance Ion 96.00 (95.70 to 96.70): VN0
Ion 61.00 (60.70 to 61.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

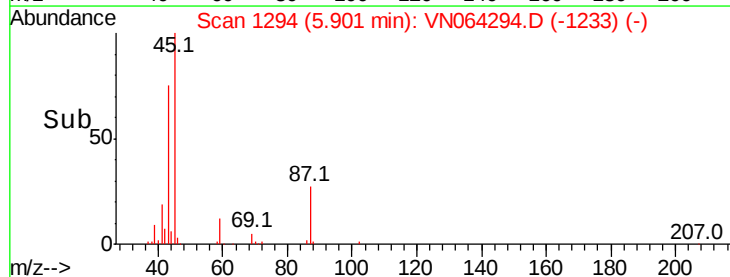
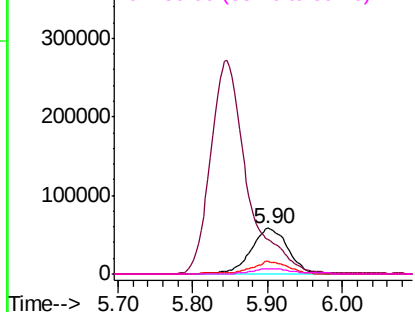


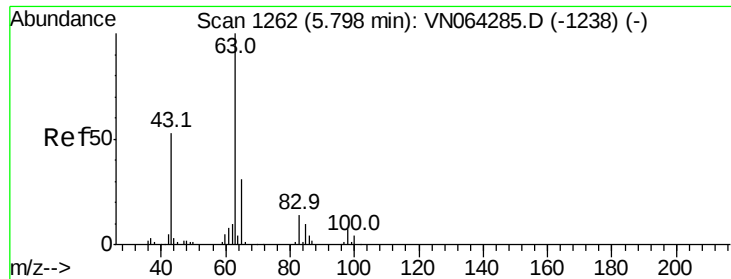
#20
Diisopropyl ether
Concen: 19.000 ug/l
RT: 5.90 min Scan# 1294
Delta R.T. -0.00 min
Lab File: VN064294.D
Acq: 23 Oct 2020 18:30

Tgt Ion: 45 Resp: 201869
Ion Ratio Lower Upper
45 100
43 71.5 58.9 88.3
87 27.3 21.0 31.4
59 11.7 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: 19.141 ug/l

RT: 5.80 min Scan# 1263

Delta R.T. 0.00 min

Lab File: VN064294.D

Acq: 23 Oct 2020 18:30

Instrument :

MSVOA_N

ClientSampleId :

VN1023WBS01

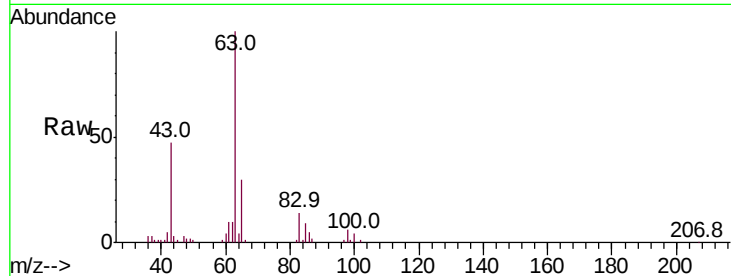
Tot Ion: 63 Resp: 121285

Ion Ratio Lower Upper

63 100

98 5.7 3.5 10.6

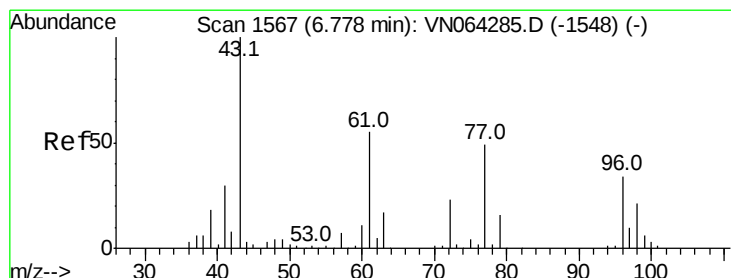
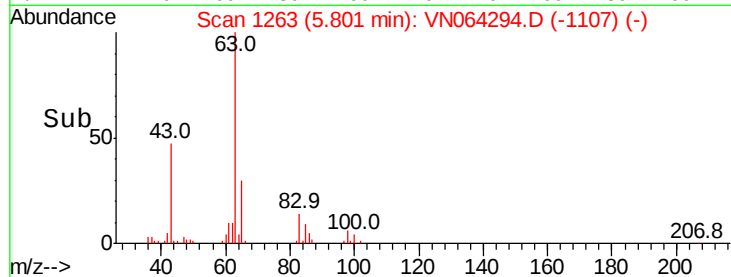
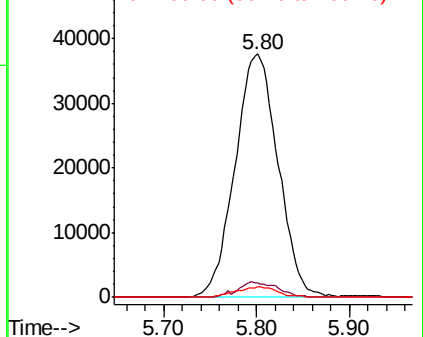
100 4.2 1.6 4.7



Abundance Ion 63.00 (62.70 to 63.70): VN064285.D (-1238) (-)

Ion 98.00 (97.70 to 98.70): VN064285.D (-1238) (-)

Ion 100.00 (99.70 to 100.70): VN064285.D (-1238) (-)



#22

cis-1,2-Dichloroethene

Concen: 19.165 ug/l

RT: 6.78 min Scan# 1568

Delta R.T. 0.00 min

Lab File: VN064294.D

Acq: 23 Oct 2020 18:30

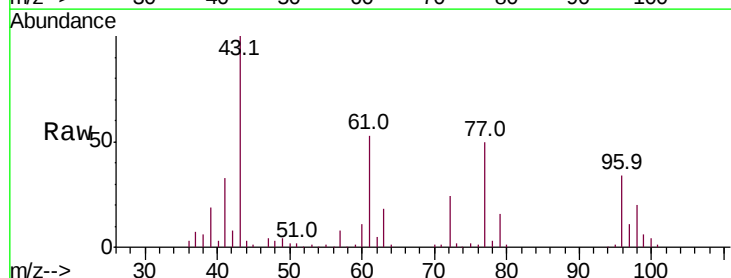
Tgt Ion: 96 Resp: 72686

Ion Ratio Lower Upper

96 100

61 160.2 132.2 198.2

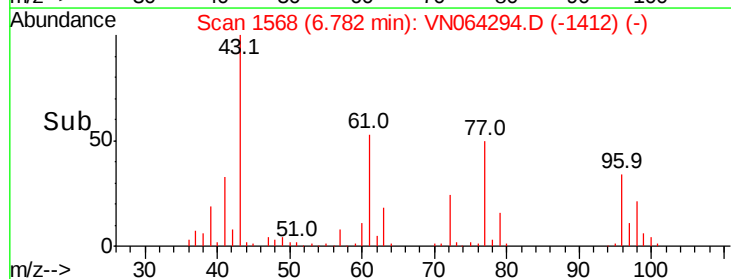
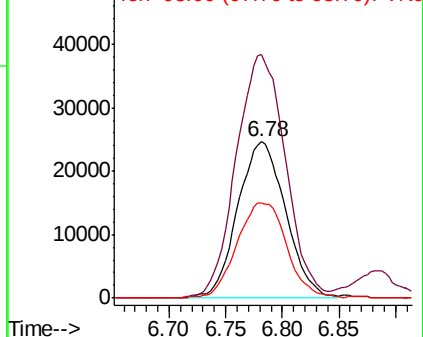
98 63.3 26.5 39.7#

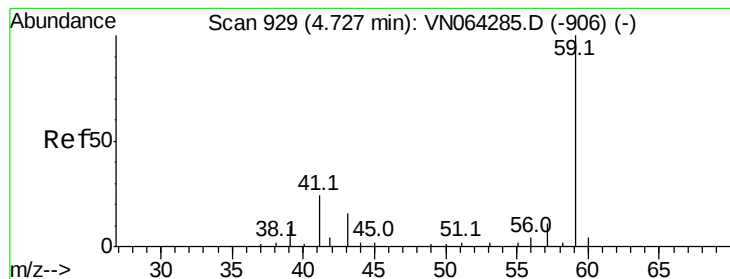


Abundance Ion 96.00 (95.70 to 96.70): VN064285.D (-1548) (-)

Ion 61.00 (60.70 to 61.70): VN064285.D (-1548) (-)

Ion 98.00 (97.70 to 98.70): VN064285.D (-1548) (-)





#23

tert-Butyl Alcohol

Concen: 93.831 ug/l

RT: 4.73 min Scan# 929

Delta R.T. -0.00 min

Lab File: VN064294.D

Acq: 23 Oct 2020 18:30

Instrument :

MSVOA_N

ClientSampleId :

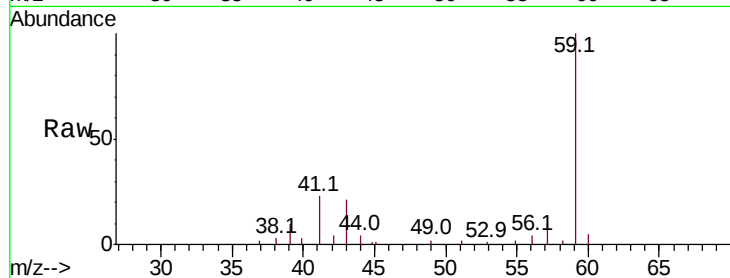
VN1023WBS01

Tot Ion: 59 Resp: 57267

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) (-)

4.73

15000

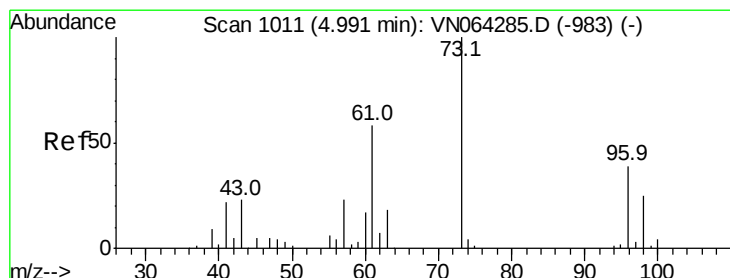
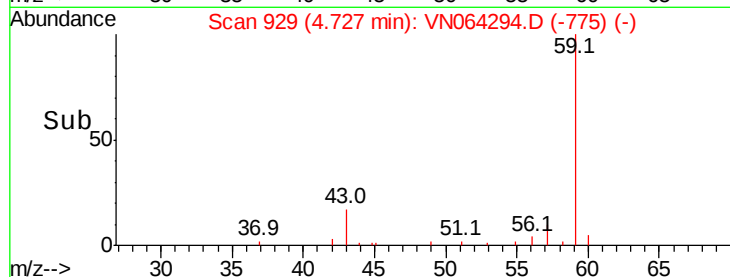
10000

5000

0

Time-->

4.60 4.70 4.80



#24

Methyl tert-Butyl Ether

Concen: 19.119 ug/l

RT: 5.00 min Scan# 1013

Delta R.T. 0.01 min

Lab File: VN064294.D

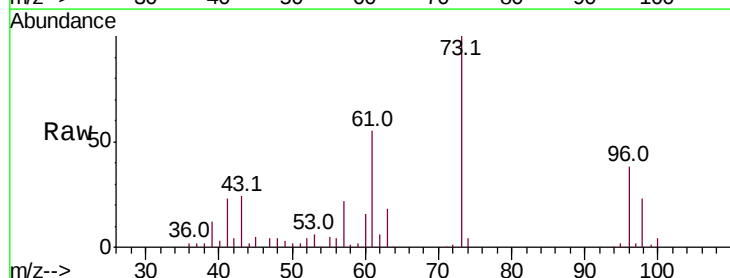
Acq: 23 Oct 2020 18:30

Tgt Ion: 73 Resp: 193125

Ion Ratio Lower Upper

73 100

43 12.8 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) (-)

5.00

60000

50000

40000

30000

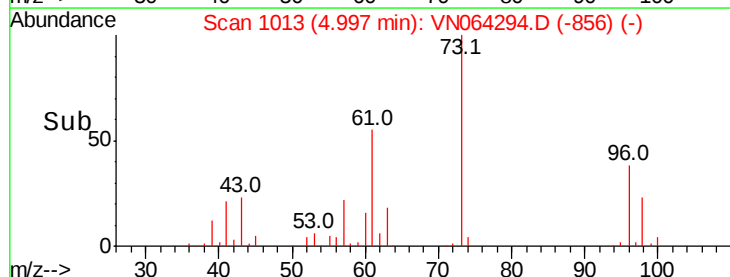
20000

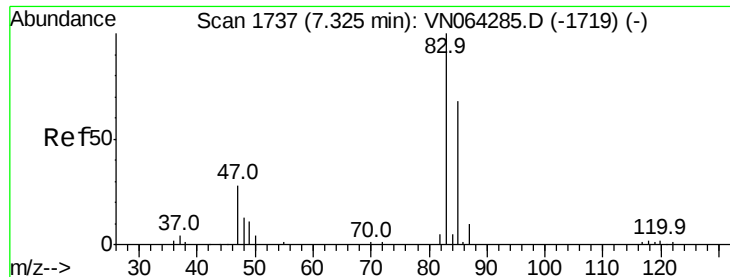
10000

0

Time-->

4.90 5.00 5.10

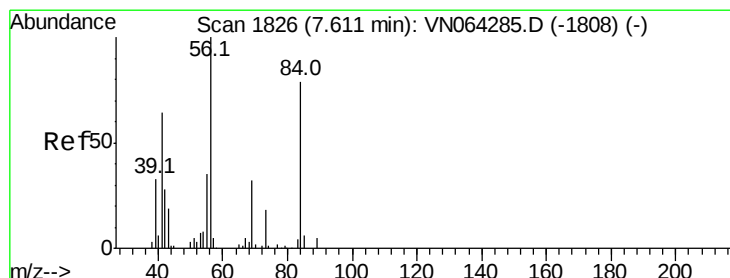
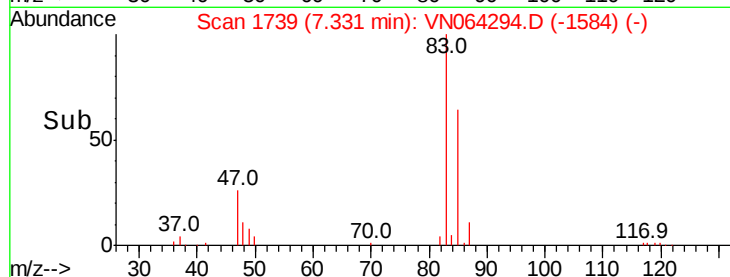
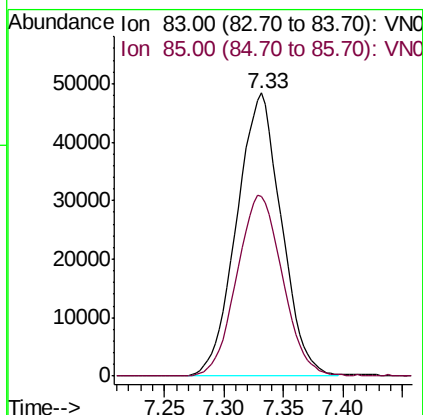
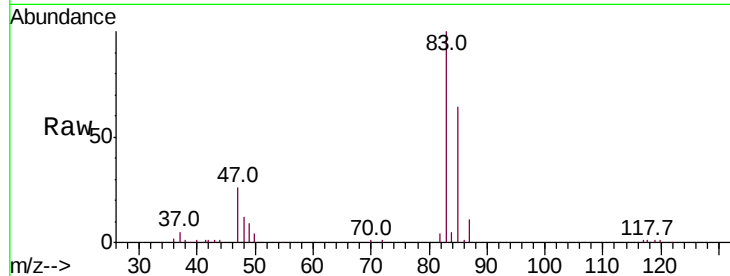




#25
Chloroform
Concen: 18.351 ug/l
RT: 7.33 min Scan# 1739
Delta R.T. -0.00 min
Lab File: VN064294.D
Acq: 23 Oct 2020 18:30

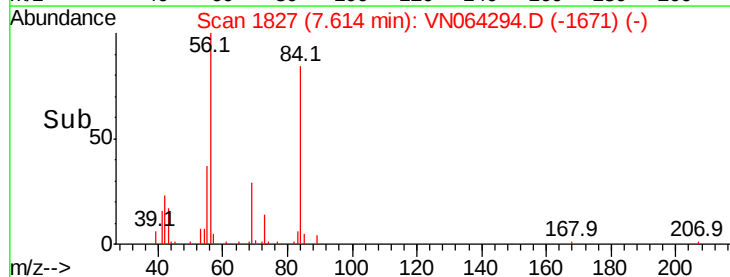
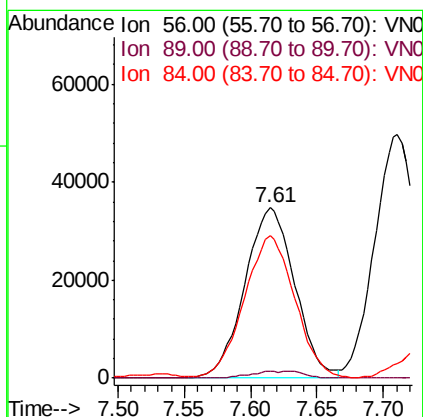
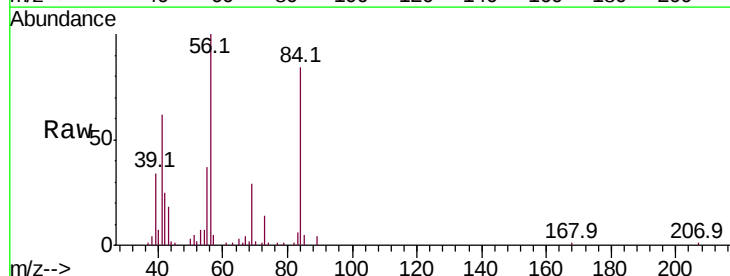
Instrument :
MSVOA_N
ClientSampleId :
VN1023WBS01

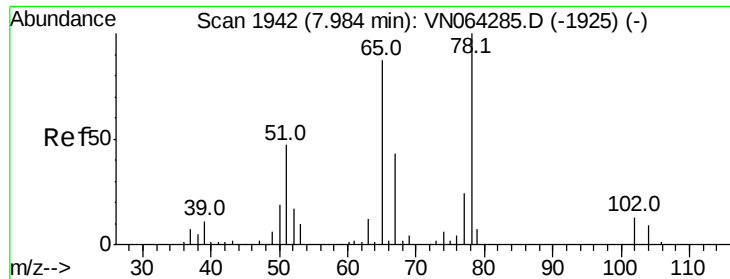
Tot Ion: 83 Resp: 125854
Ion Ratio Lower Upper
83 100
85 63.5 50.3 75.5



#26
Cyclohexane
Concen: 18.610 ug/l
RT: 7.61 min Scan# 1827
Delta R.T. 0.00 min
Lab File: VN064294.D
Acq: 23 Oct 2020 18:30

Tgt Ion: 56 Resp: 91451
Ion Ratio Lower Upper
56 100
89 2.2 3.4 5.2#
84 84.9 66.2 99.2

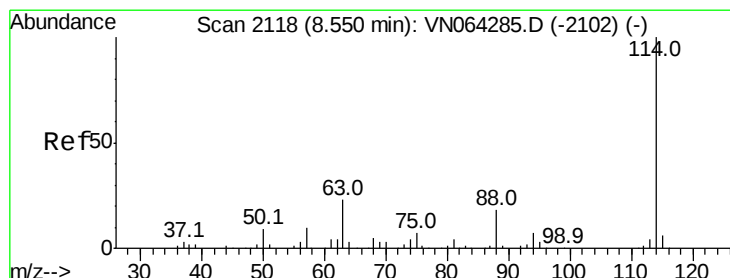
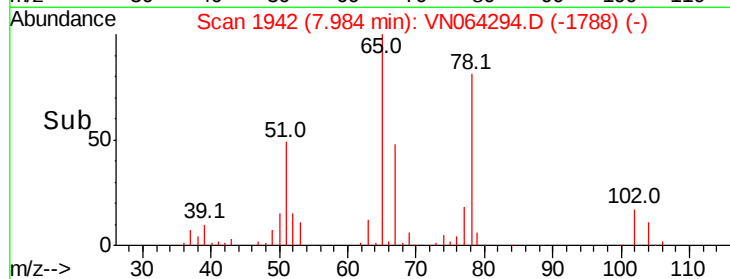
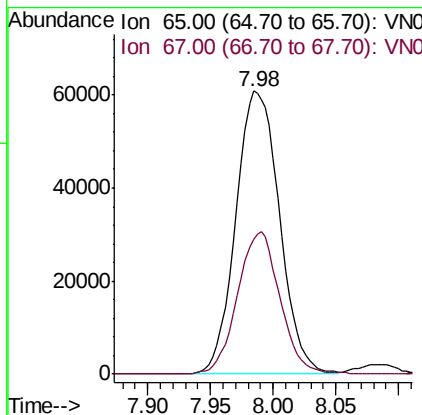
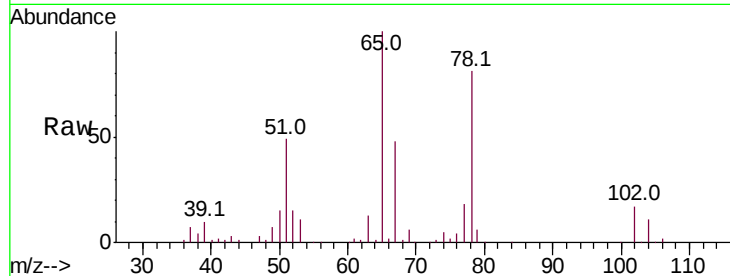




#27
 1,2-Dichloroethane-d4
 Concen: 32.432 ug/l
 RT: 7.98 min Scan# 1942
 Delta R.T. -0.00 min
 Lab File: VN064294.D
 Acq: 23 Oct 2020 18:30

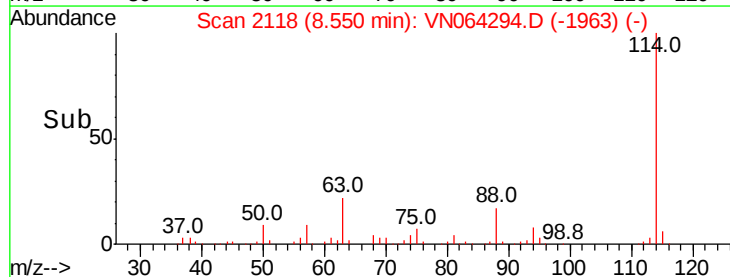
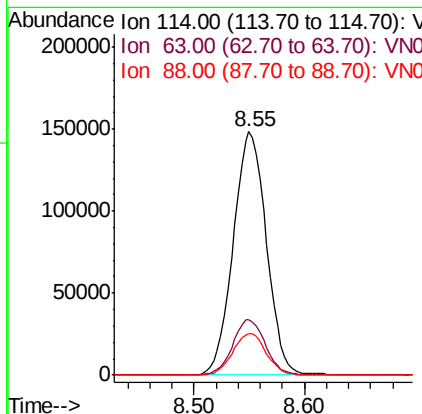
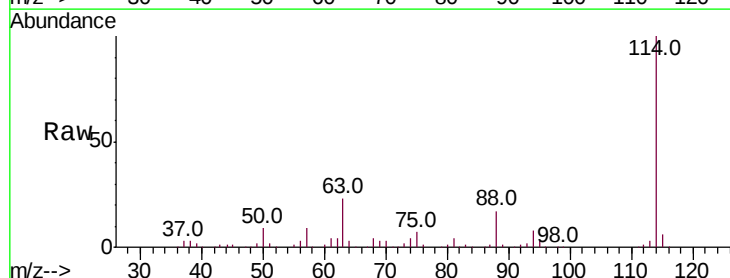
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1023WBS01

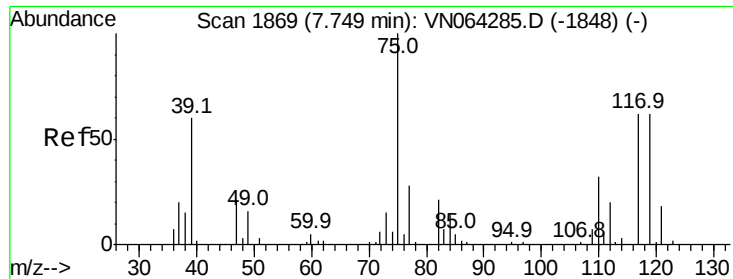
Tot Ion: 65 Resp: 147546
 Ion Ratio Lower Upper
 65 100
 67 48.6 38.4 57.6



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN064294.D
 Acq: 23 Oct 2020 18:30

Tgt Ion: 114 Resp: 309441
 Ion Ratio Lower Upper
 114 100
 63 22.4 17.8 26.8
 88 17.1 13.8 20.8

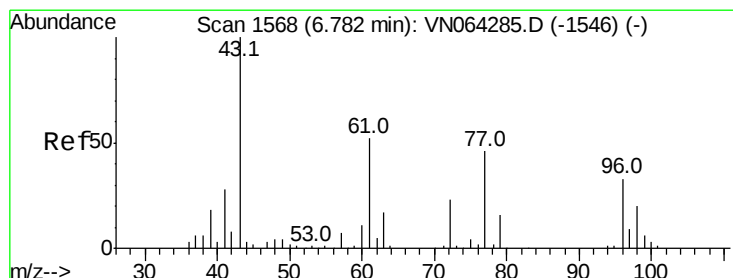
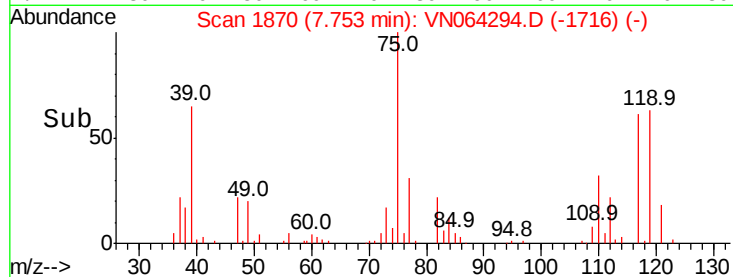
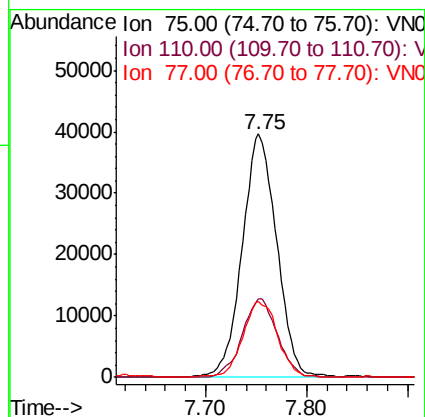
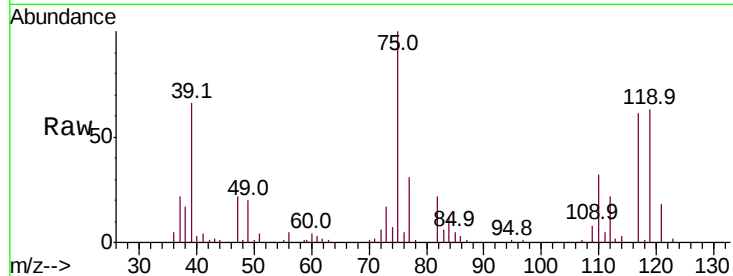




#29
 1,1-Dichloropropene
 Concen: 17.570 ug/l
 RT: 7.75 min Scan# 1870
 Delta R.T. -0.00 min
 Lab File: VN064294.D
 Acq: 23 Oct 2020 18:30

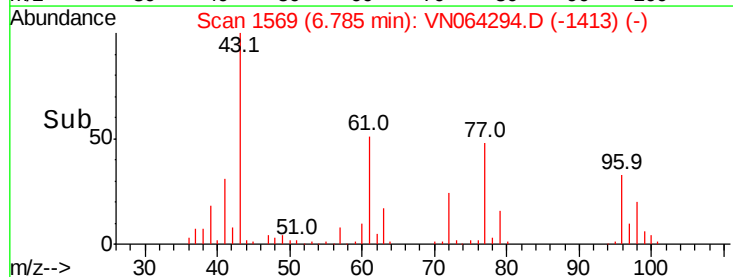
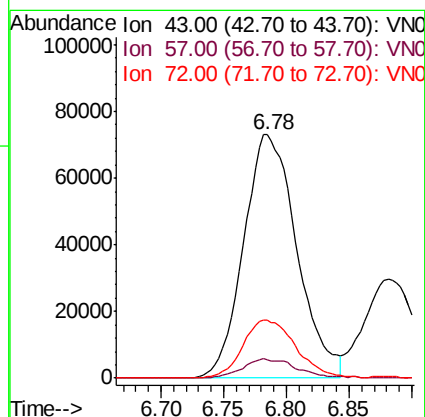
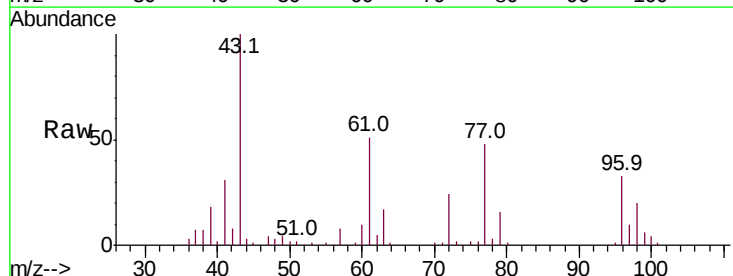
Instrument :
 MSVOA_N
 ClientSampled :
 VN1023WBS01

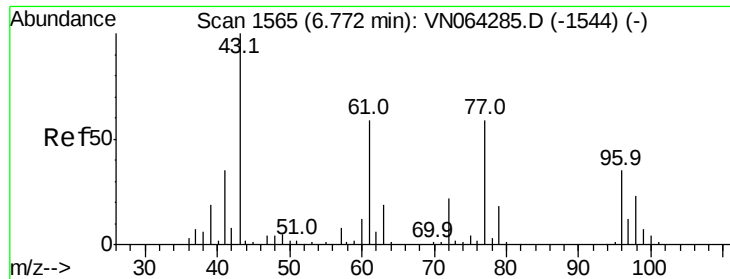
Tot Ion: 75 Resp: 93986
 Ion Ratio Lower Upper
 75 100
 110 32.6 0.0 66.2
 77 29.9 0.0 64.4



#30
 2-Butanone
 Concen: 91.421 ug/l
 RT: 6.78 min Scan# 1569
 Delta R.T. 0.00 min
 Lab File: VN064294.D
 Acq: 23 Oct 2020 18:30

Tgt Ion: 43 Resp: 214780
 Ion Ratio Lower Upper
 43 100
 57 4.7 6.4 9.6#
 72 23.8 19.4 29.0





#31

2,2-Dichloropropane

Concen: 17.728 ug/l

RT: 6.78 min Scan# 1567

Delta R.T. -0.00 min

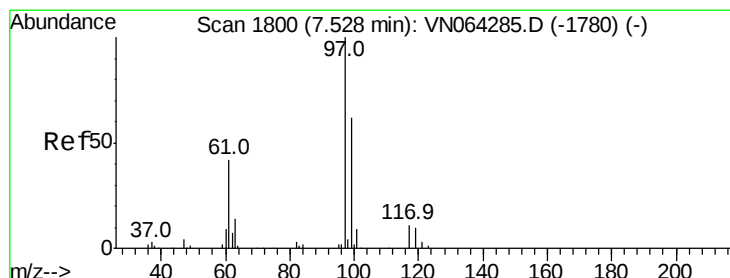
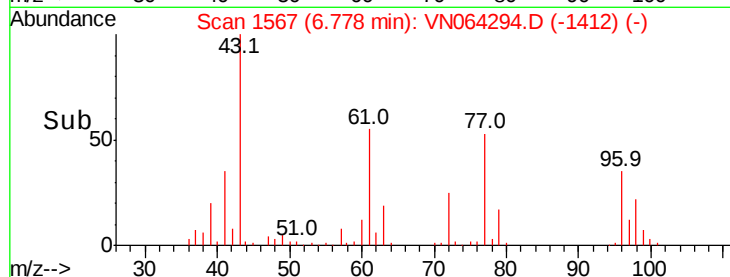
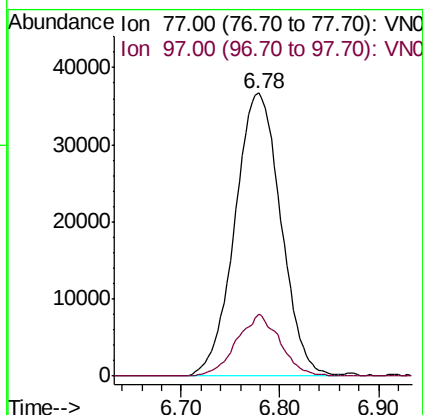
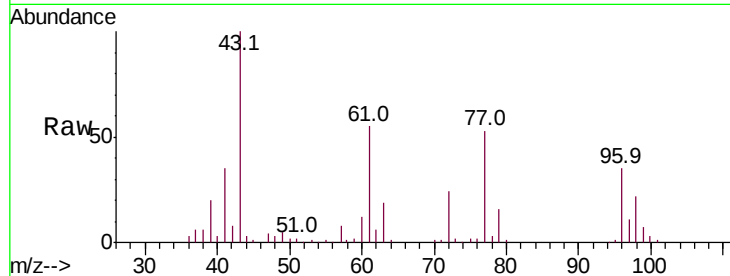
Lab File: VN064294.D

Acq: 23 Oct 2020 18:30

Instrument :
MSVOA_N
ClientSampleId :
VN1023WBS01

Tot Ion: 77 Resp: 118691

Ion	Ratio	Lower	Upper
77	100		
97	20.5	15.1	22.7



#32

1,1,1-Trichloroethane

Concen: 18.152 ug/l

RT: 7.53 min Scan# 1801

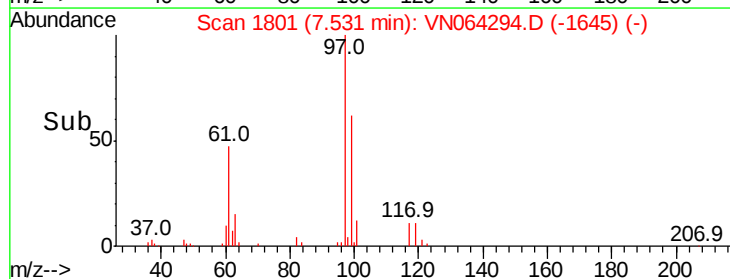
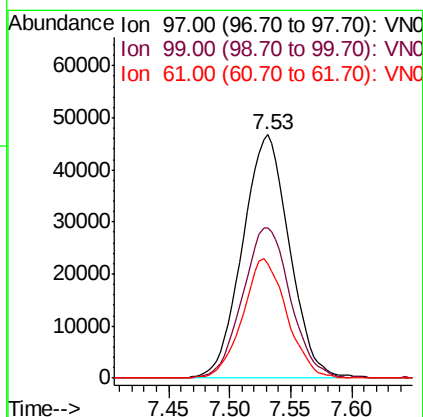
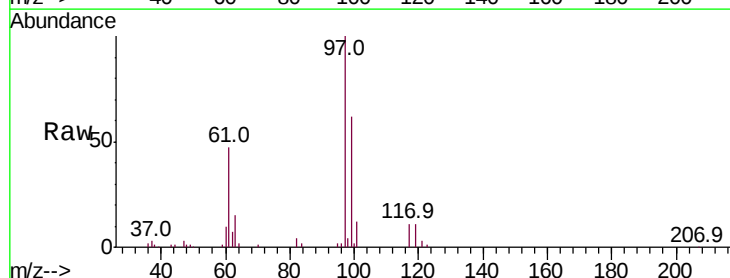
Delta R.T. 0.00 min

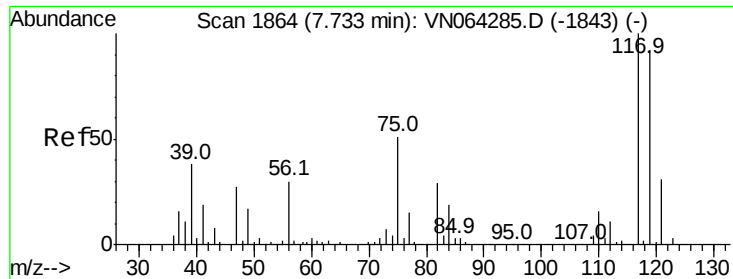
Lab File: VN064294.D

Acq: 23 Oct 2020 18:30

Tgt Ion: 97 Resp: 124071

Ion	Ratio	Lower	Upper
97	100		
99	63.1	54.4	81.6
61	46.2	37.5	56.3

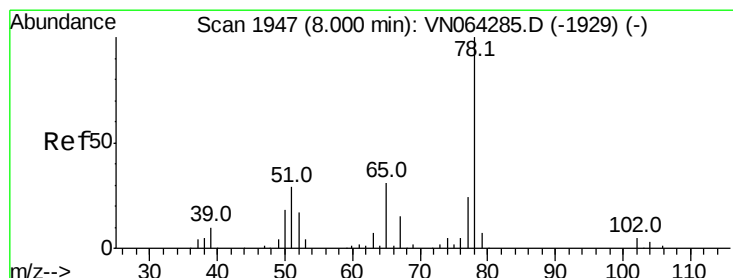
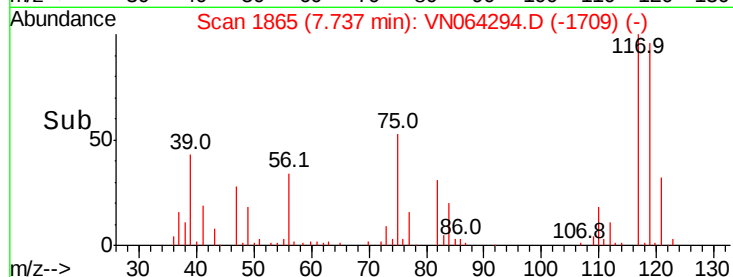
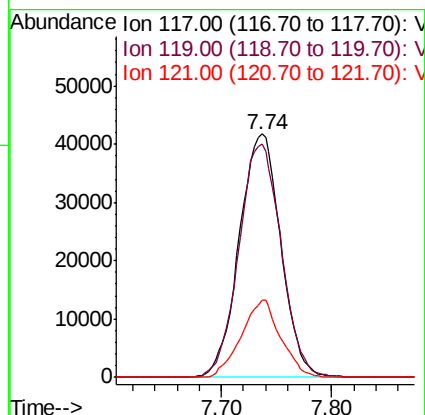
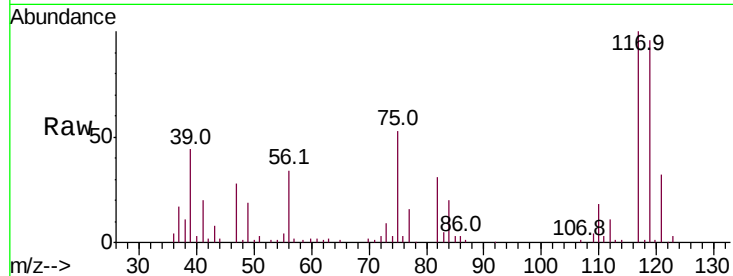




#33
Carbon Tetrachloride
Concen: 17.809 ug/l
RT: 7.74 min Scan# 1865
Delta R.T. 0.00 min
Lab File: VN064294.D
Acq: 23 Oct 2020 18:30

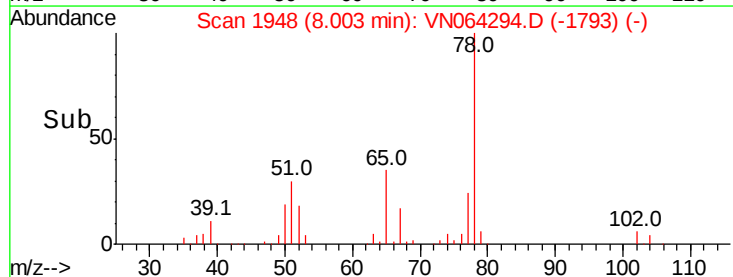
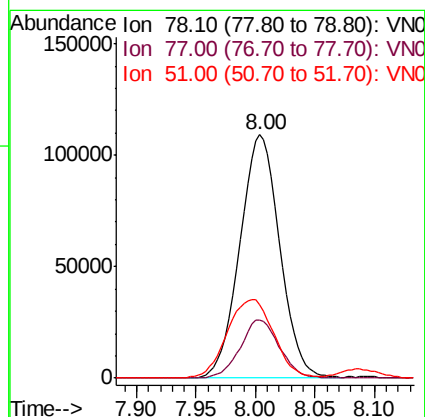
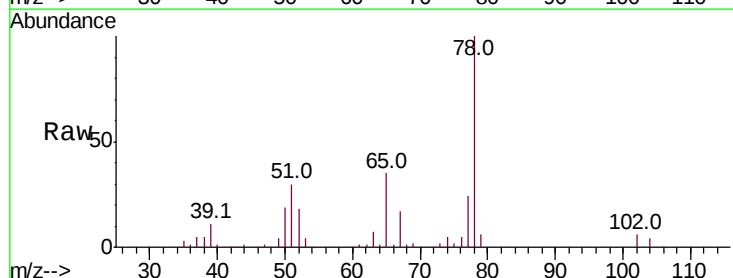
Instrument :
MSVOA_N
ClientSampled :
VN1023WBS01

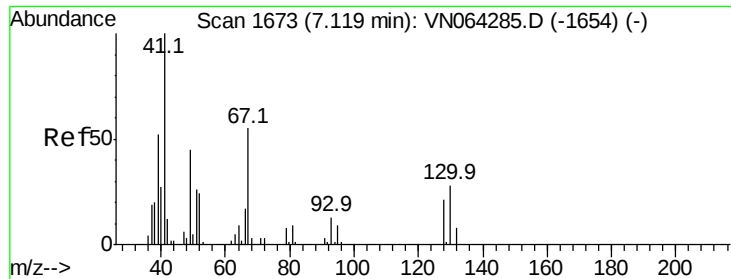
Tot Ion:117 Resp: 109048
Ion Ratio Lower Upper
117 100
119 95.7 80.1 120.1
121 31.5 26.2 39.2



#34
Benzene
Concen: 17.410 ug/l
RT: 8.00 min Scan# 1948
Delta R.T. -0.00 min
Lab File: VN064294.D
Acq: 23 Oct 2020 18:30

Tgt Ion: 78 Resp: 254513
Ion Ratio Lower Upper
78 100
77 24.0 19.2 28.8
51 29.8 25.2 37.8

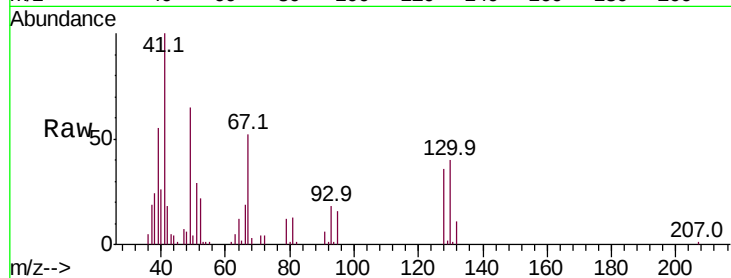




#35
Methacrylonitrile
Concen: 17.783 ug/l
RT: 7.13 min Scan# 1675
Delta R.T. -0.00 min
Lab File: VN064294.D
Acq: 23 Oct 2020 18:30

Instrument :
MSVOA_N
ClientSampled :
VN1023WBS01

Tot Ion:	41	Resp:	42120
Ion	Ratio	Lower	Upper
41	100		
39	53.8	28.0	83.9
67	51.6	29.9	89.8
52	22.4	12.4	37.2



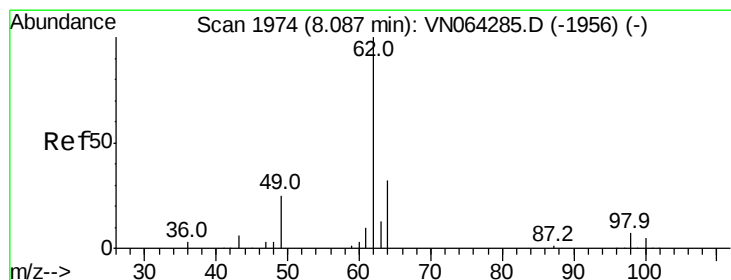
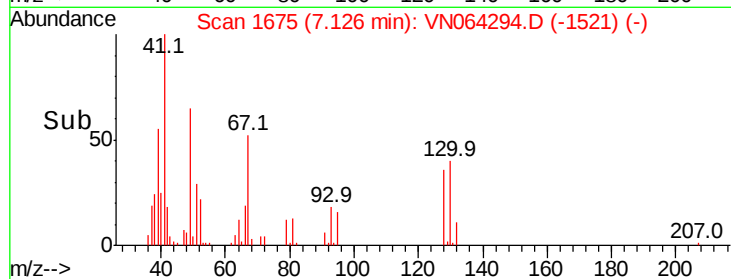
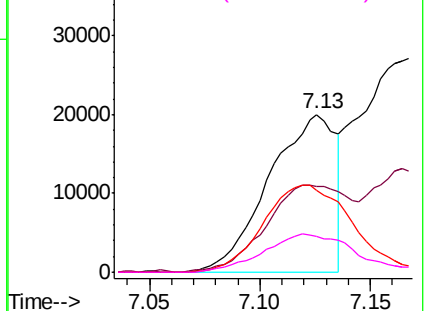
Abundance

Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

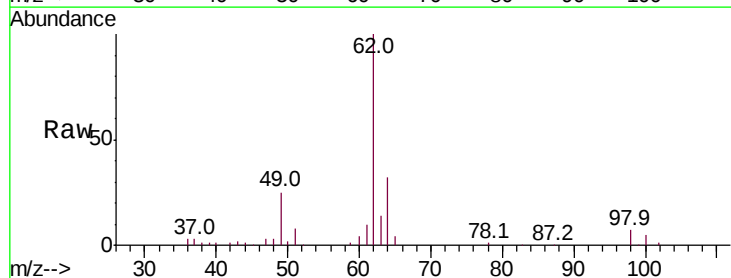
Ion 67.00 (66.70 to 67.70): VNO

Ion 52.00 (51.70 to 52.70): VNO



#36
1,2-Dichloroethane
Concen: 18.088 ug/l
RT: 8.08 min Scan# 1973
Delta R.T. -0.00 min
Lab File: VN064294.D
Acq: 23 Oct 2020 18:30

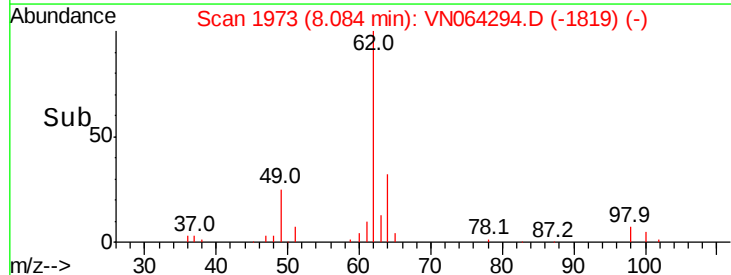
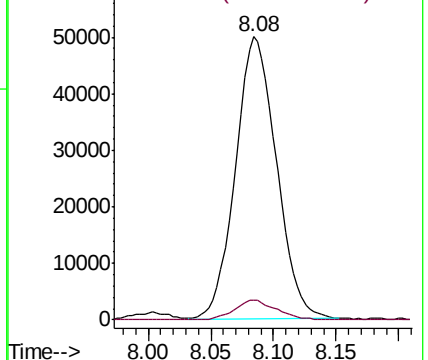
Tgt Ion:	62	Resp:	112737
Ion	Ratio	Lower	Upper
62	100		
98	7.1	5.4	8.0

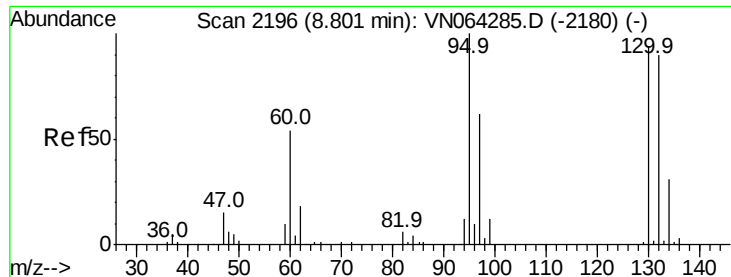


Abundance

Ion 62.00 (61.70 to 62.70): VNO

Ion 98.00 (97.70 to 98.70): VNO





#37

Trichloroethene

Concen: 17.755 ug/l

RT: 8.80 min Scan# 2196

Delta R.T. 0.00 min

Lab File: VN064294.D

Acq: 23 Oct 2020 18:30

Instrument :

MSVOA_N

ClientSampleId :

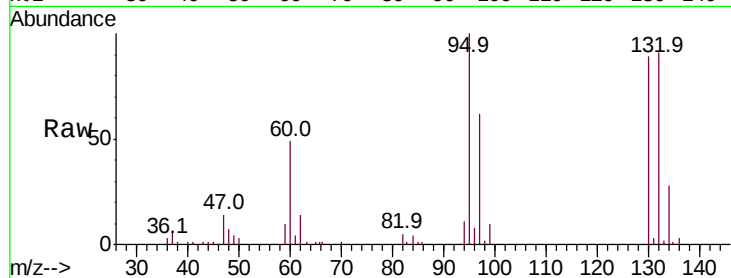
VN1023WBS01

Tot Ion:130 Resp: 71429

Ion Ratio Lower Upper

130 100

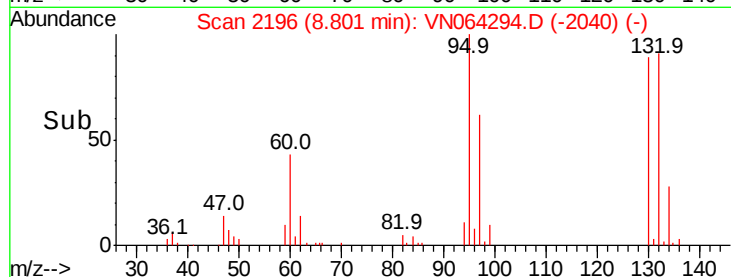
95 111.5 81.2 121.8



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VN

8.80



40000

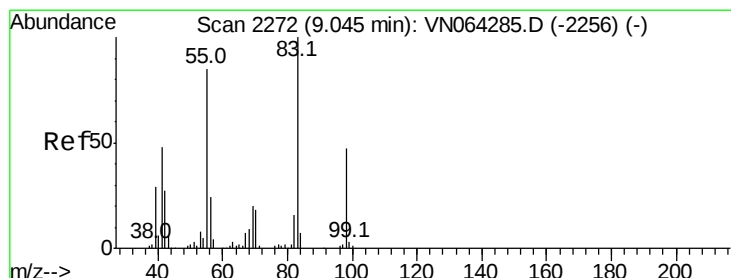
30000

20000

10000

0

Time--> 8.75 8.80 8.85



#38

Methylcyclohexane

Concen: 17.060 ug/l

RT: 9.05 min Scan# 2272

Delta R.T. -0.00 min

Lab File: VN064294.D

Acq: 23 Oct 2020 18:30

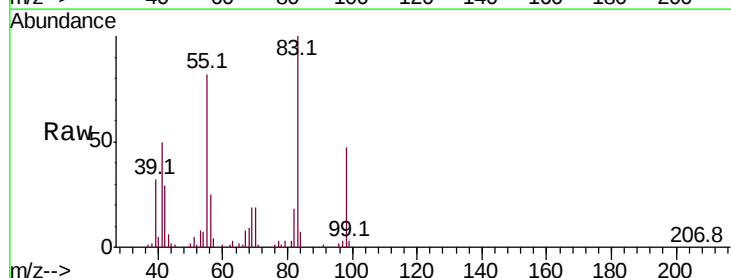
Tgt Ion: 83 Resp: 83316

Ion Ratio Lower Upper

83 100

55 80.2 40.3 120.9

98 48.0 25.3 75.8

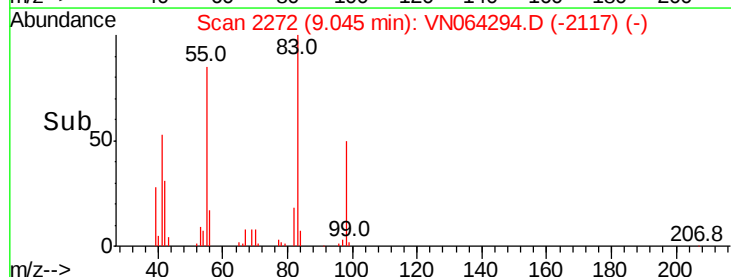


Abundance Ion 83.00 (82.70 to 83.70): VN

Ion 55.00 (54.70 to 55.70): VN

Ion 98.00 (97.70 to 98.70): VN

9.05



50000

40000

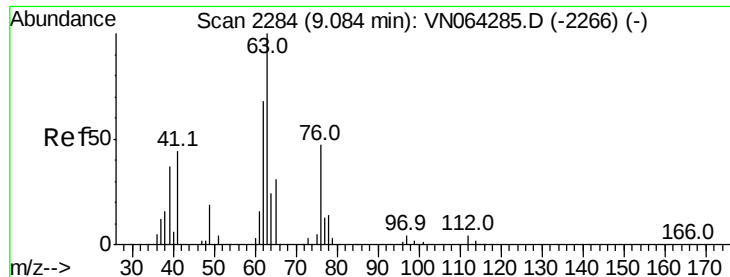
30000

20000

10000

0

Time--> 8.95 9.00 9.05 9.10 9.15



#39

1,2-Dichloropropane

Concen: 17.544 ug/l

RT: 9.09 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN064294.D

Acq: 23 Oct 2020 18:30

Instrument :

MSVOA_N

ClientSampleId :

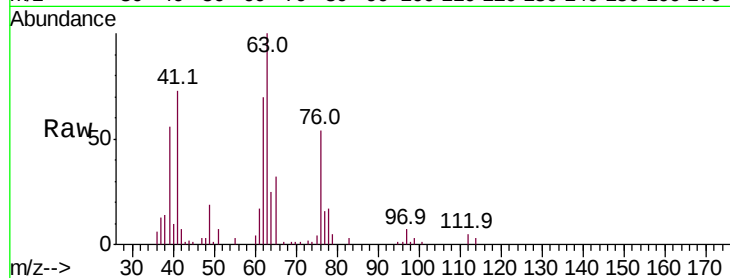
VN1023WBS01

Tot Ion: 63 Resp: 68565

Ion Ratio Lower Upper

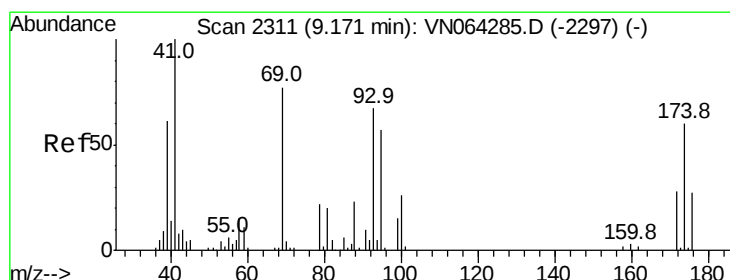
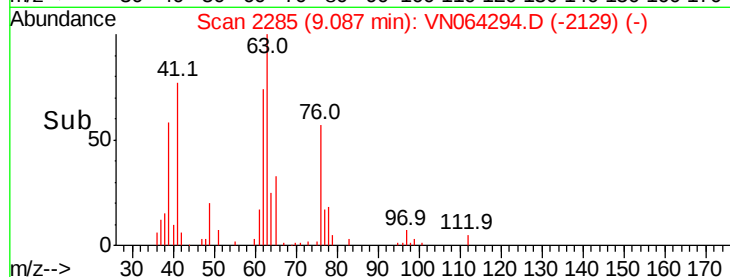
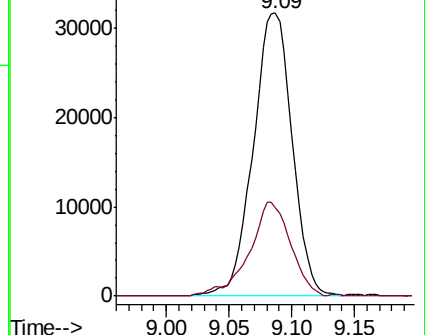
63 100

65 31.6 26.1 39.1



Abundance Ion 63.00 (62.70 to 63.70): VN064285.D (-2266) (-)

Ion 65.00 (64.70 to 65.70): VN064285.D (-2266) (-)



#40

Dibromomethane

Concen: 18.890 ug/l

RT: 9.17 min Scan# 2312

Delta R.T. 0.00 min

Lab File: VN064294.D

Acq: 23 Oct 2020 18:30

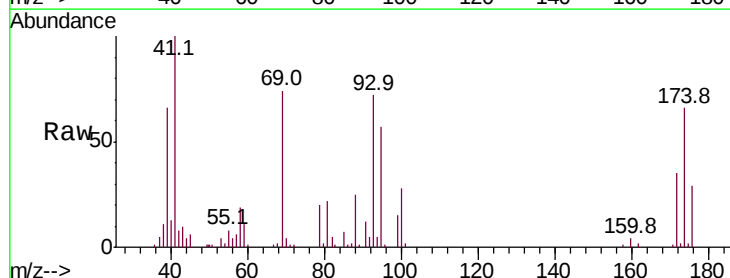
Tgt Ion: 93 Resp: 51649

Ion Ratio Lower Upper

93 100

95 76.2 0.0 156.6

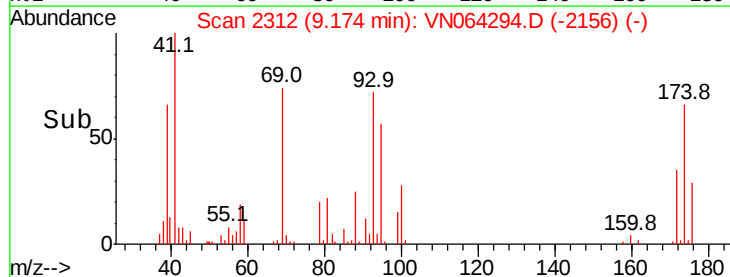
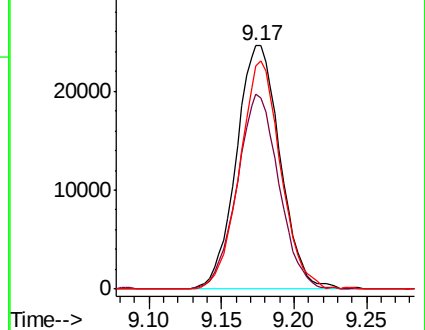
174 87.5 0.0 168.8

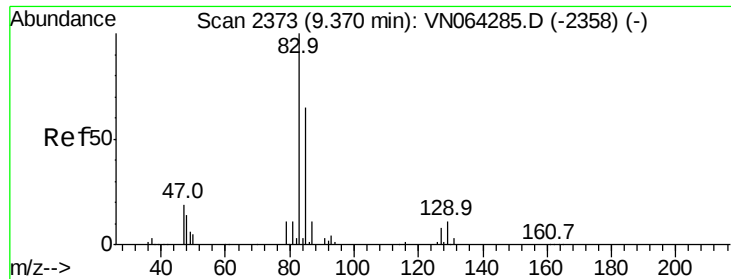


Abundance Ion 93.00 (92.70 to 93.70): VN064285.D (-2297) (-)

Ion 95.00 (94.70 to 95.70): VN064285.D (-2297) (-)

Ion 174.00 (173.70 to 174.70): VN064285.D (-2297) (-)

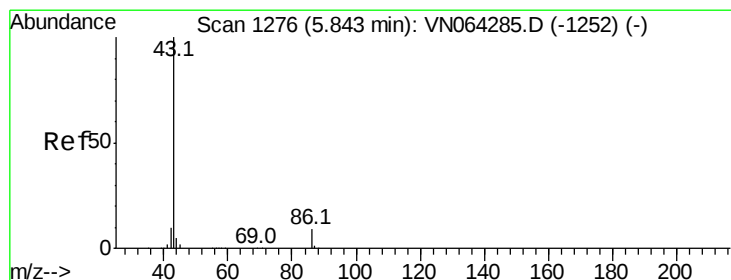
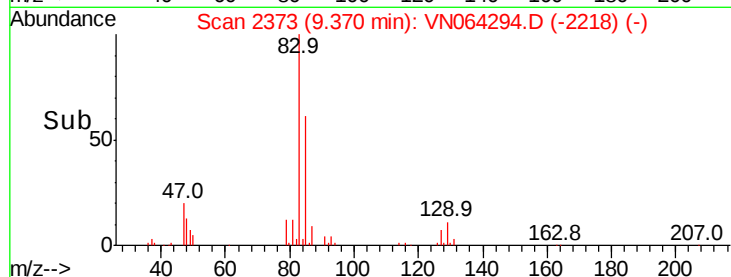
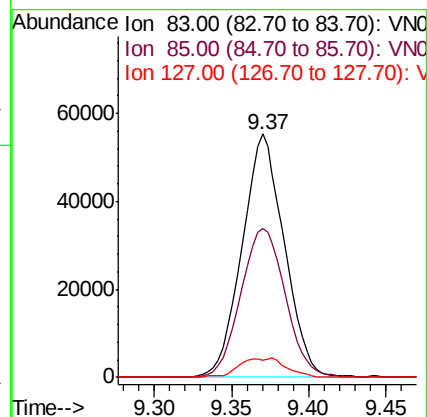
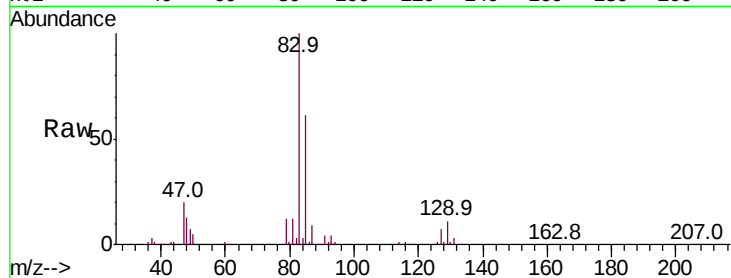




#41
Bromodichloromethane
Concen: 17.671 ug/l
RT: 9.37 min Scan# 2373
Delta R.T. -0.00 min
Lab File: VN064294.D
Acq: 23 Oct 2020 18:30

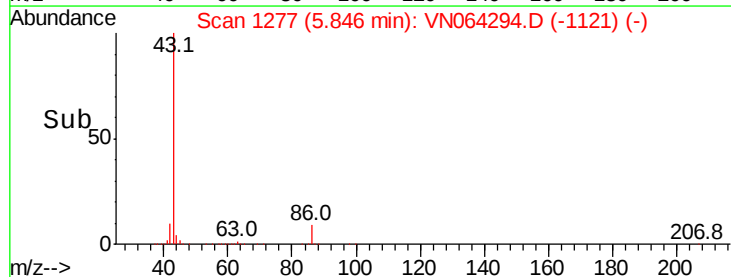
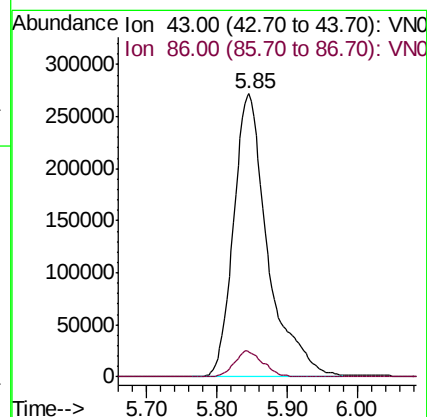
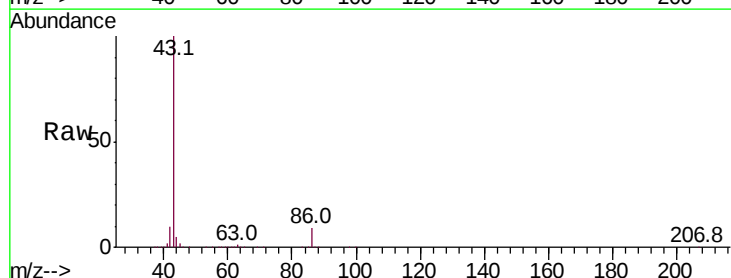
Instrument :
MSVOA_N
ClientSampleId :
VN1023WBS01

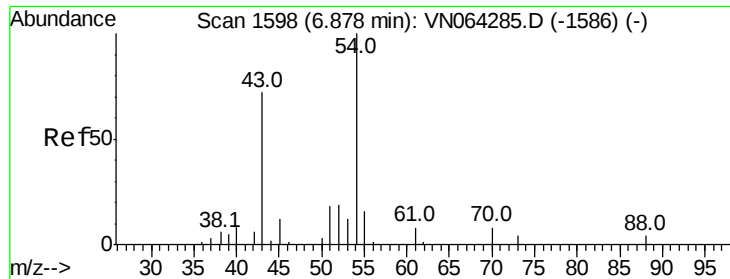
Tot Ion: 83 Resp: 104780
Ion Ratio Lower Upper
83 100
85 61.3 57.8 86.6
127 7.2 7.0 10.4



#42
Vinyl Acetate
Concen: 88.954 ug/l
RT: 5.85 min Scan# 1277
Delta R.T. 0.00 min
Lab File: VN064294.D
Acq: 23 Oct 2020 18:30

Tgt Ion: 43 Resp: 921749
Ion Ratio Lower Upper
43 100
86 7.9 6.6 9.8





#43

Ethyl Acetate

Concen: 15.454 ug/l

RT: 6.88 min Scan# 1599

Delta R.T. -0.00 min

Lab File: VN064294.D

Acq: 23 Oct 2020 18:30

Instrument :

MSVOA_N

ClientSampleId :

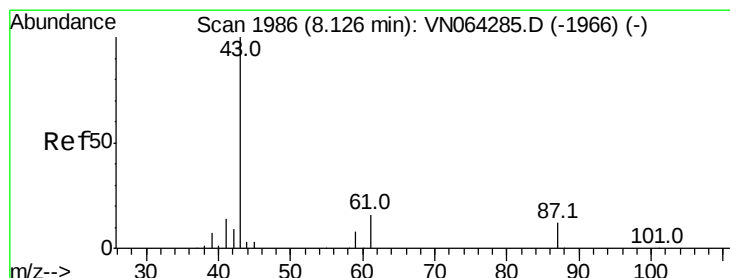
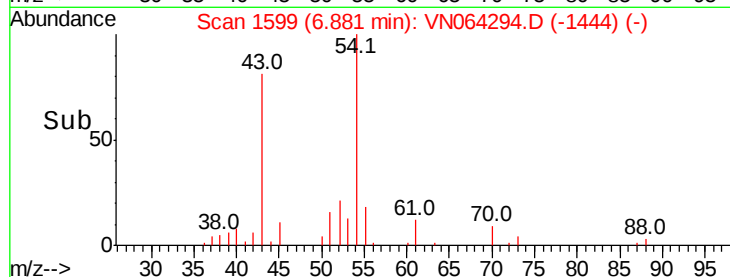
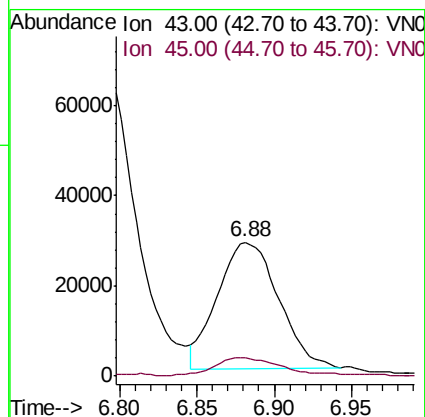
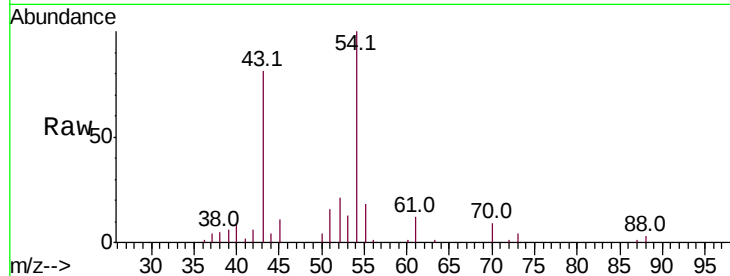
VN1023WBS01

Tot Ion: 43 Resp: 76860

Ion Ratio Lower Upper

43 100

45 16.4 8.2 12.4#



#44

Isopropyl Acetate

Concen: 17.684 ug/l

RT: 8.13 min Scan# 1986

Delta R.T. 0.00 min

Lab File: VN064294.D

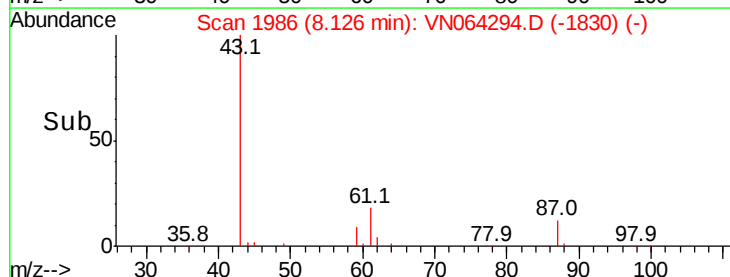
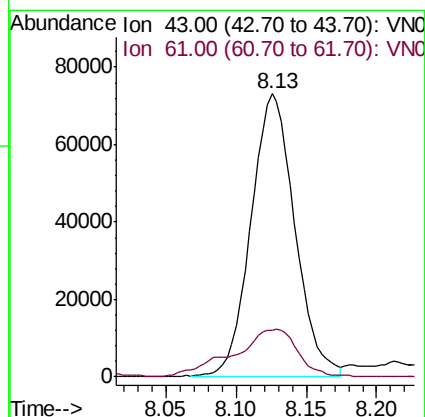
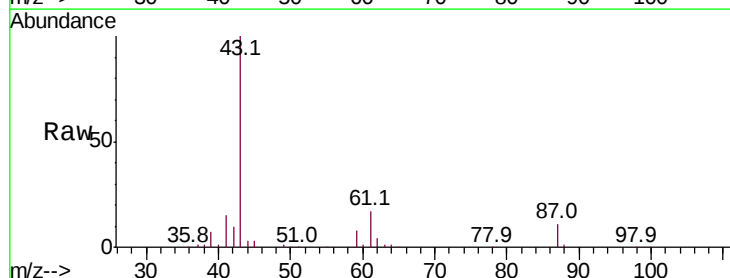
Acq: 23 Oct 2020 18:30

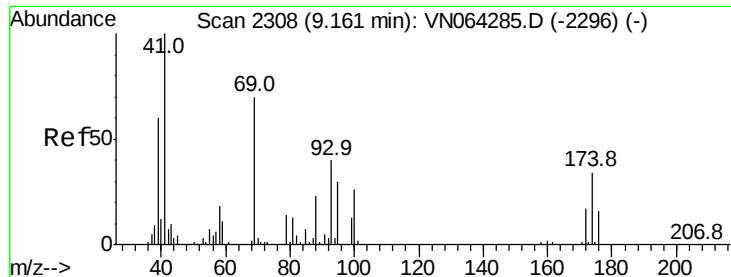
Tgt Ion: 43 Resp: 157748

Ion Ratio Lower Upper

43 100

61 17.0 19.9 29.9#





#45

1,4-Dioxane

Concen: 371.885 ug/l

RT: 9.16 min Scan# 2308

Delta R.T. -0.01 min

Lab File: VN064294.D

Acq: 23 Oct 2020 18:30

Instrument :

MSVOA_N

ClientSampleId :

VN1023WBS01

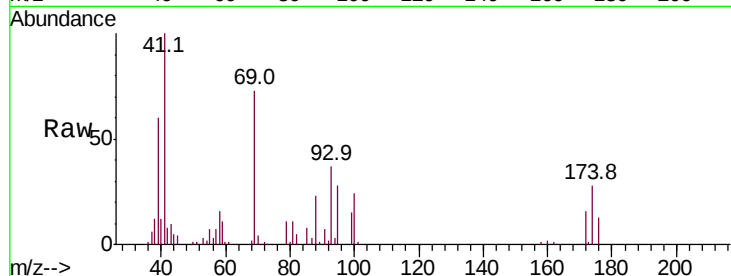
Tot Ion: 88 Resp: 20260

Ion Ratio Lower Upper

88 100

43 35.0 34.7 52.1

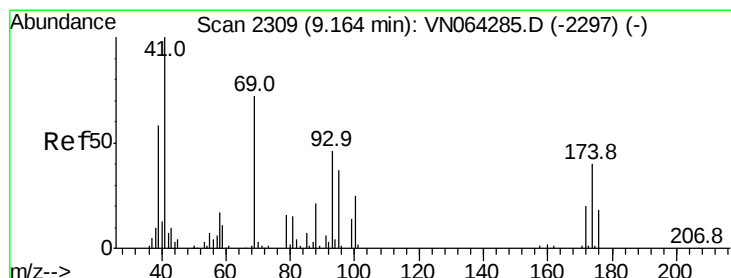
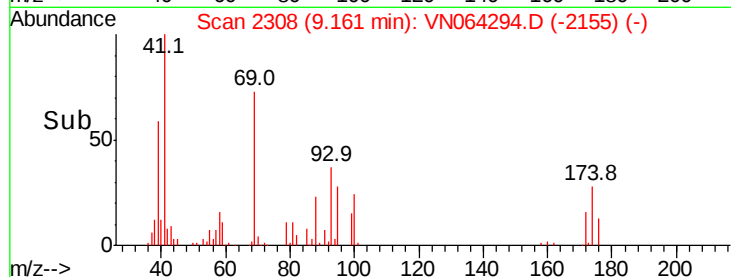
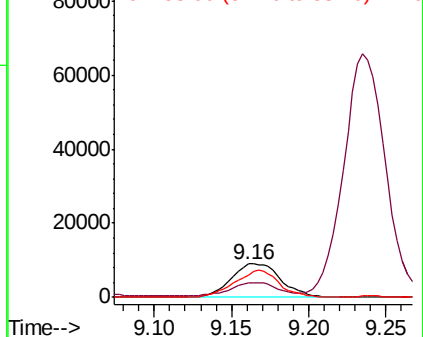
58 72.7 65.8 98.6



Abundance Ion 88.00 (87.70 to 88.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#46

Methyl methacrylate

Concen: 18.082 ug/l

RT: 9.17 min Scan# 2310

Delta R.T. -0.00 min

Lab File: VN064294.D

Acq: 23 Oct 2020 18:30

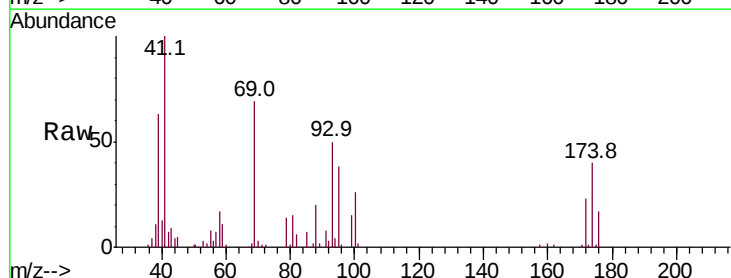
Tgt Ion: 41 Resp: 77990

Ion Ratio Lower Upper

41 100

69 69.4 32.6 97.7

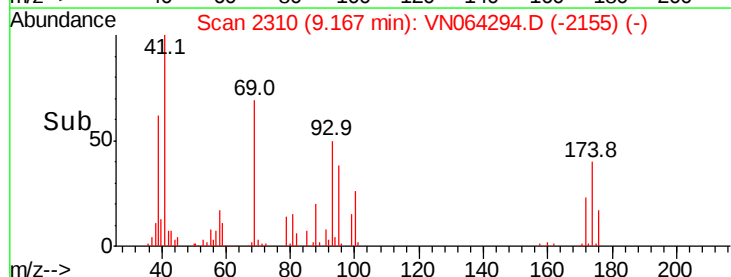
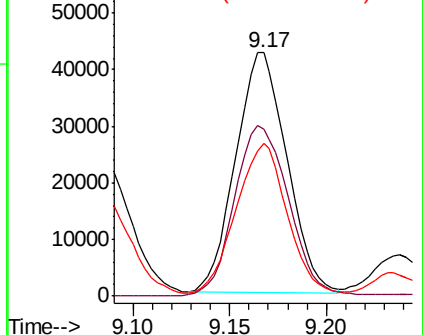
39 62.4 31.1 93.3

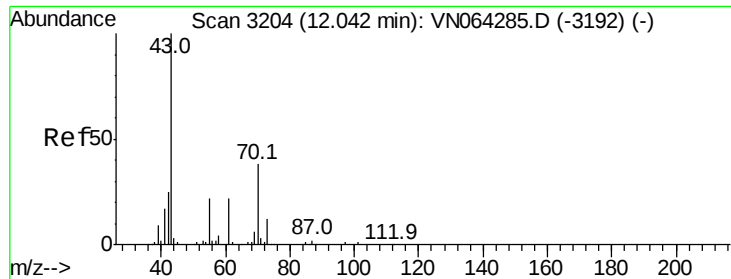


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

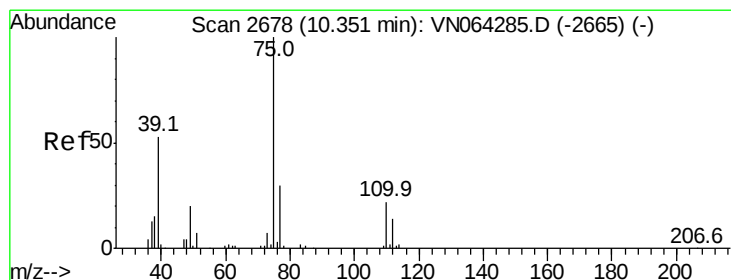
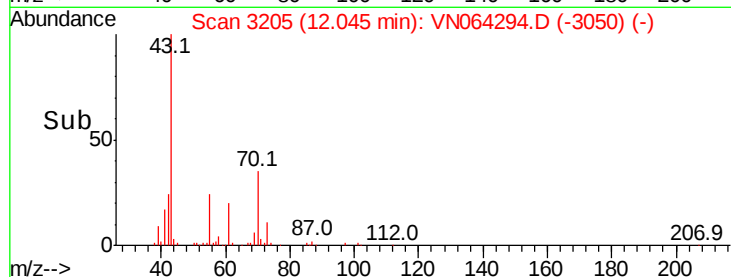
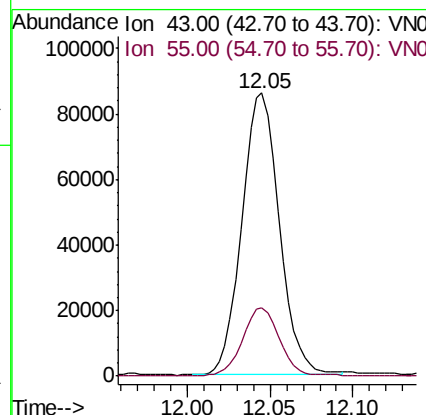
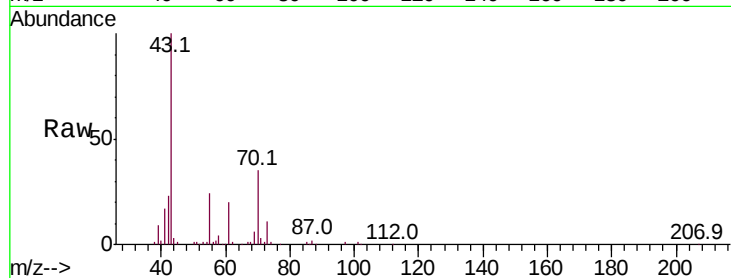




#47
n-amvl Acetate
Concen: 17.570 ug/l
RT: 12.05 min Scan# 3205
Delta R.T. -0.00 min
Lab File: VN064294.D
Acq: 23 Oct 2020 18:30

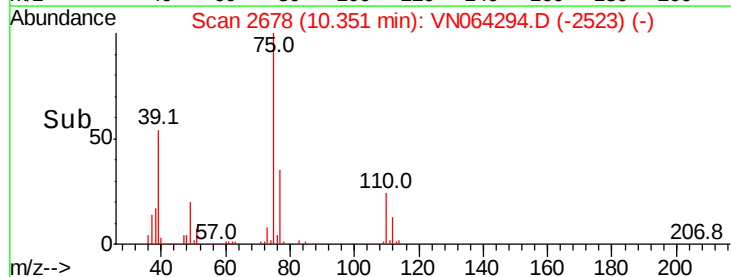
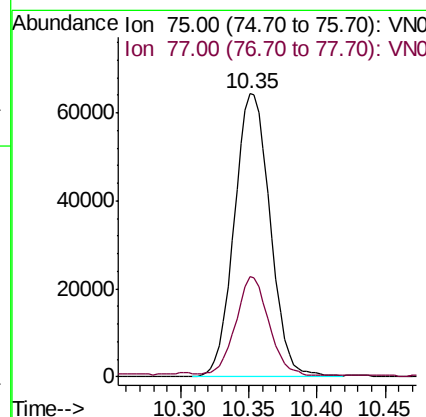
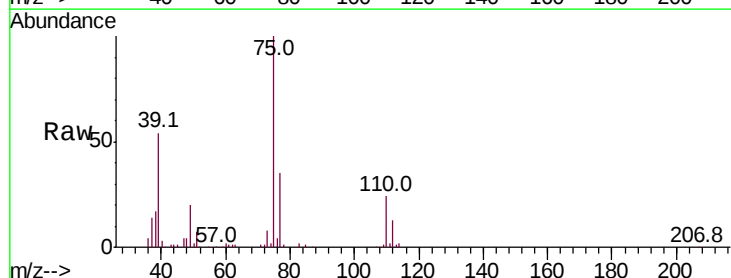
Instrument :
MSVOA_N
ClientSampleId :
VN1023WBS01

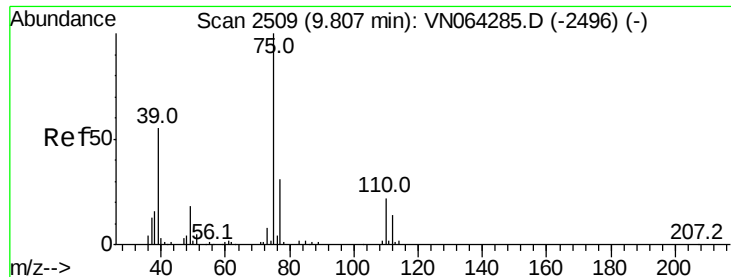
Tot Ion: 43 Resp: 135230
Ion Ratio Lower Upper
43 100
55 23.9 18.2 27.2



#48
t-1,3-Dichloropropene
Concen: 17.792 ug/l
RT: 10.35 min Scan# 2678
Delta R.T. -0.00 min
Lab File: VN064294.D
Acq: 23 Oct 2020 18:30

Tgt Ion: 75 Resp: 117776
Ion Ratio Lower Upper
75 100
77 34.5 25.4 38.0

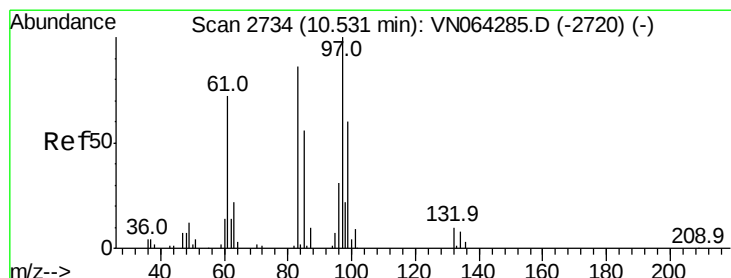
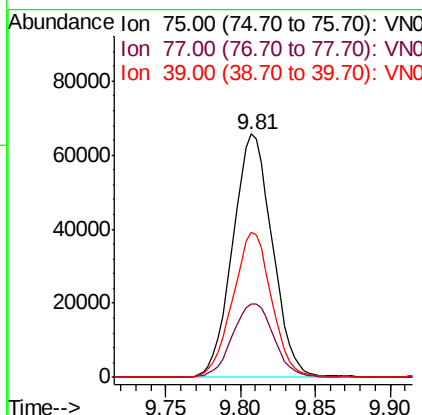
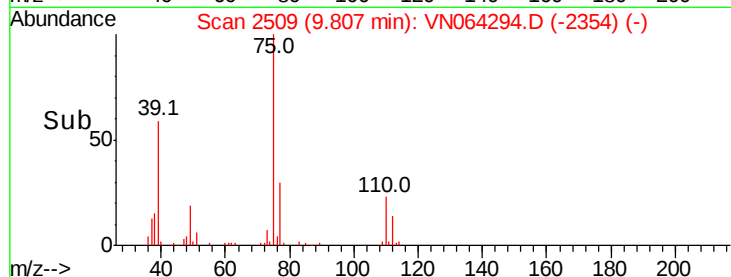
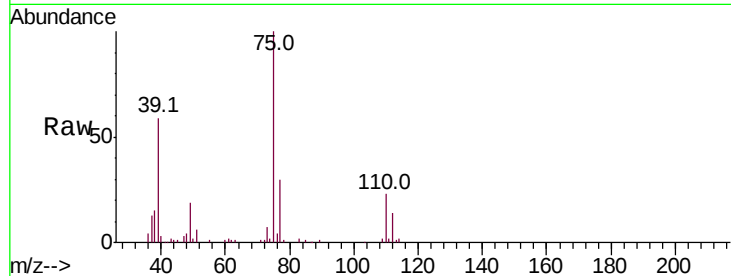




#49
 cis-1,3-Dichloropropene
 Concen: 17.600 ug/l
 RT: 9.81 min Scan# 2509
 Delta R.T. -0.00 min
 Lab File: VN064294.D
 Acq: 23 Oct 2020 18:30

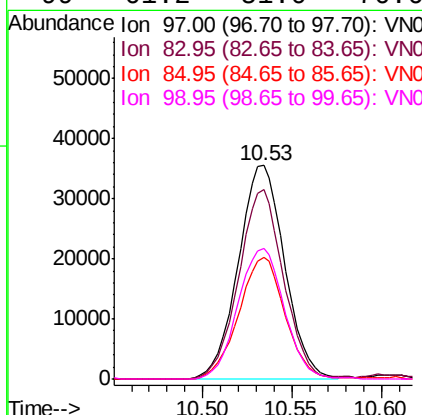
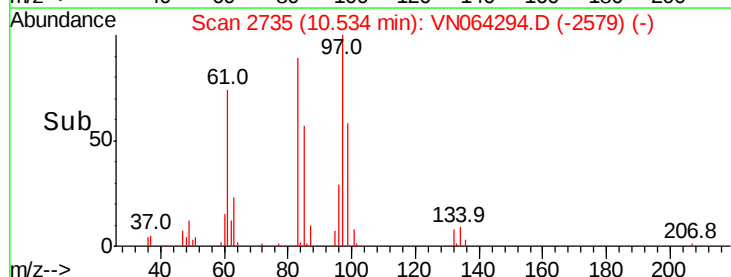
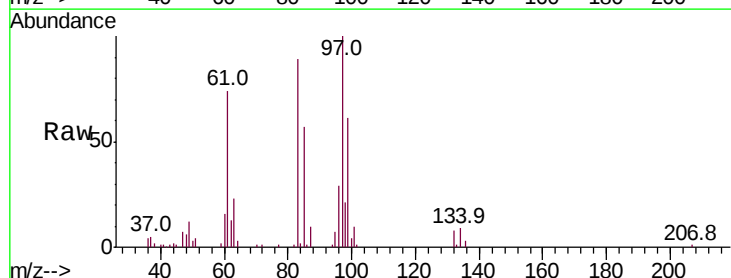
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1023WBS01

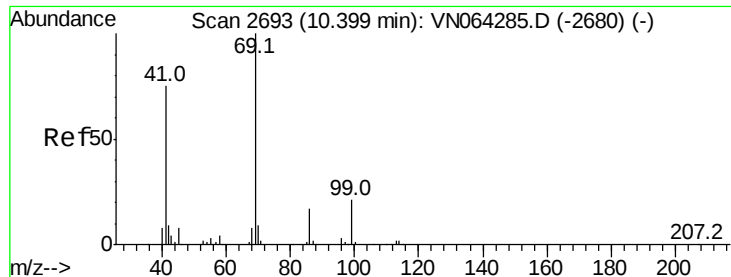
Tot Ion: 75 Resp: 121003
 Ion Ratio Lower Upper
 75 100
 77 30.1 23.7 35.5
 39 59.4 46.9 70.3



#50
 1,1,2-Trichloroethane
 Concen: 17.890 ug/l
 RT: 10.53 min Scan# 2735
 Delta R.T. 0.00 min
 Lab File: VN064294.D
 Acq: 23 Oct 2020 18:30

Tgt Ion: 97 Resp: 64435
 Ion Ratio Lower Upper
 97 100
 83 88.7 68.9 103.3
 85 57.2 37.8 56.8#
 99 61.2 51.0 76.6





#51

Ethyl methacrylate

Concen: 17.427 ug/l

RT: 10.40 min Scan# 2693

Delta R.T. -0.00 min

Lab File: VN064294.D

Acq: 23 Oct 2020 18:30

Instrument :

MSVOA_N

ClientSampled :

VN1023WBS01

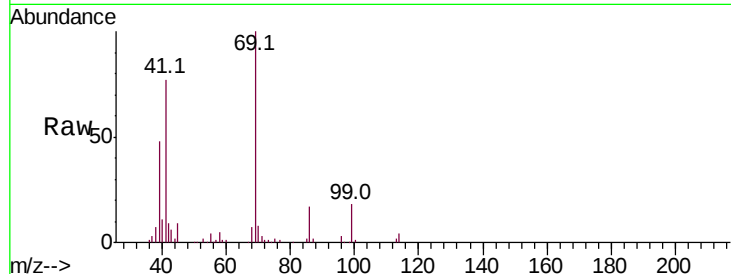
Tot Ion: 69 Resp: 96547

Ion Ratio Lower Upper

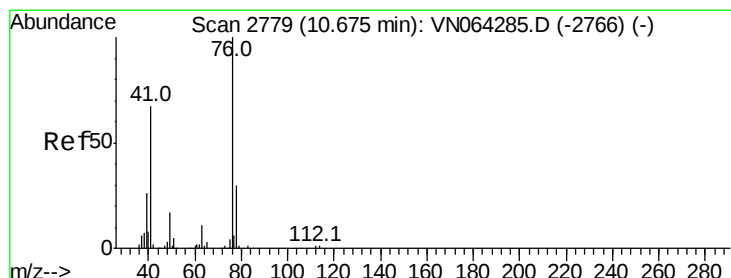
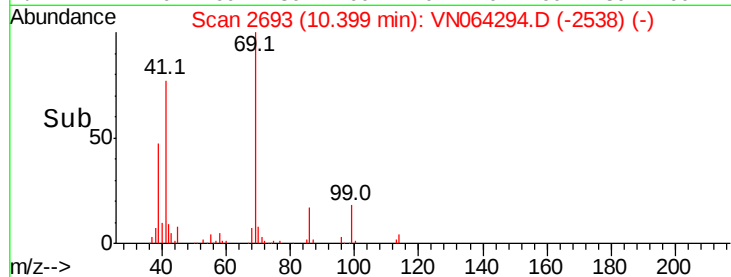
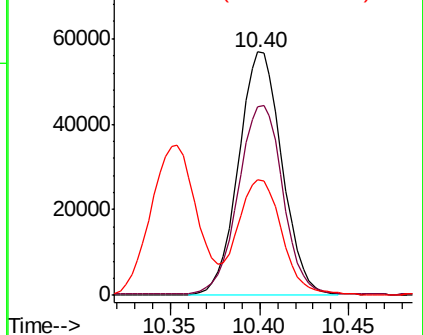
69 100

41 76.7 43.6 130.9

39 46.6 25.8 77.3



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



#52

1,3-Dichloropropane

Concen: 17.917 ug/l

RT: 10.68 min Scan# 2780

Delta R.T. 0.00 min

Lab File: VN064294.D

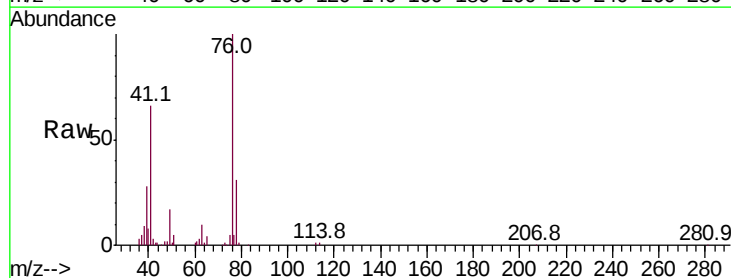
Acq: 23 Oct 2020 18:30

Tgt Ion: 76 Resp: 114107

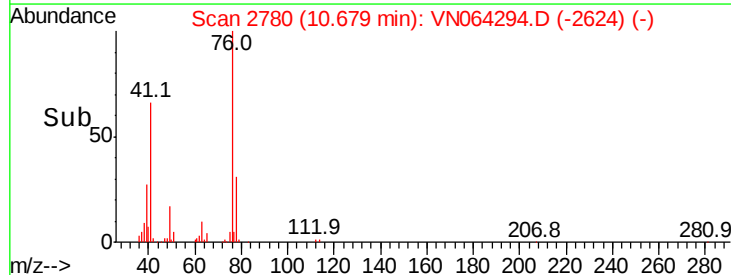
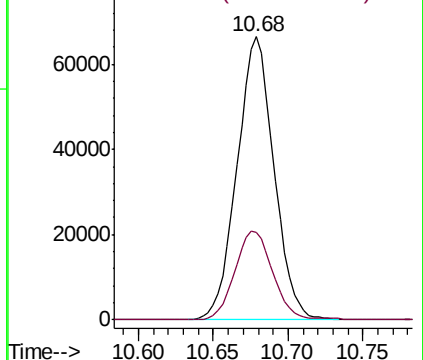
Ion Ratio Lower Upper

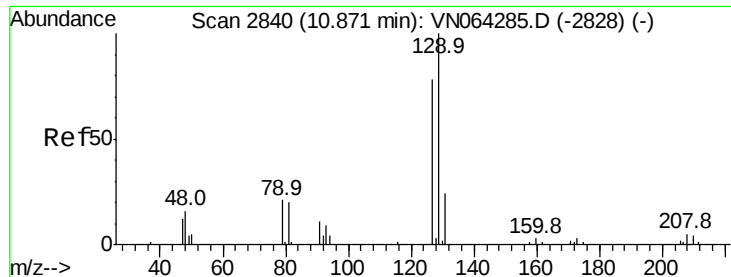
76 100

78 32.0 0.0 64.6



Abundance Ion 76.00 (75.70 to 76.70): VNO
Ion 78.00 (77.70 to 78.70): VNO





#53

Dibromochloromethane

Concen: 17.197 ug/l

RT: 10.87 min Scan# 2840

Delta R.T. -0.00 min

Lab File: VN064294.D

Acq: 23 Oct 2020 18:30

Instrument :

MSVOA_N

ClientSampleId :

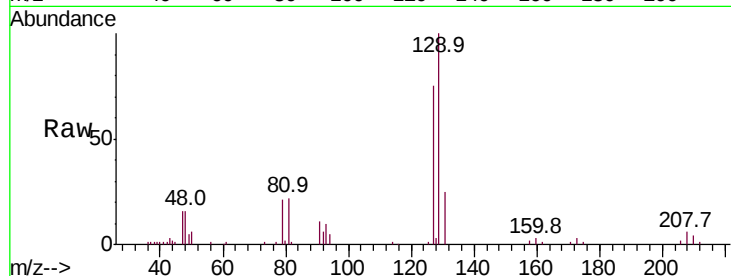
VN1023WBS01

Tot Ion:129 Resp: 77386

Ion Ratio Lower Upper

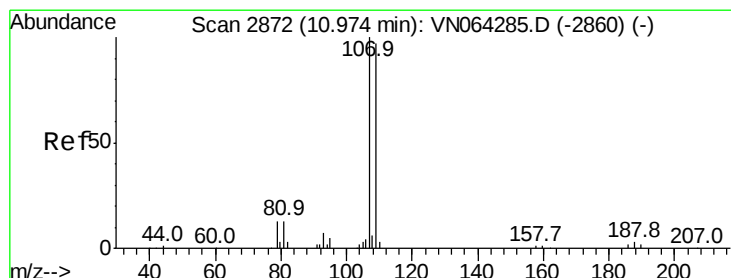
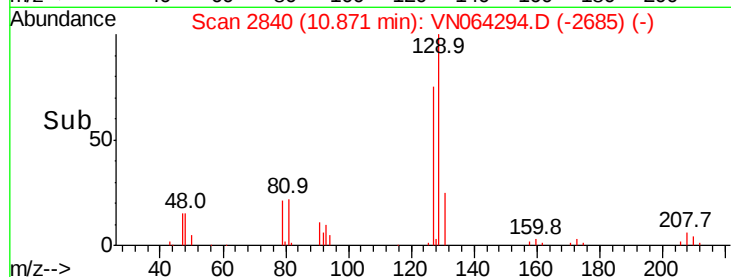
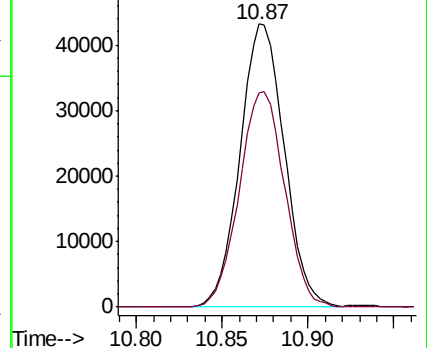
129 100

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



#54

1,2-Dibromoethane

Concen: 18.021 ug/l

RT: 10.98 min Scan# 2873

Delta R.T. -0.00 min

Lab File: VN064294.D

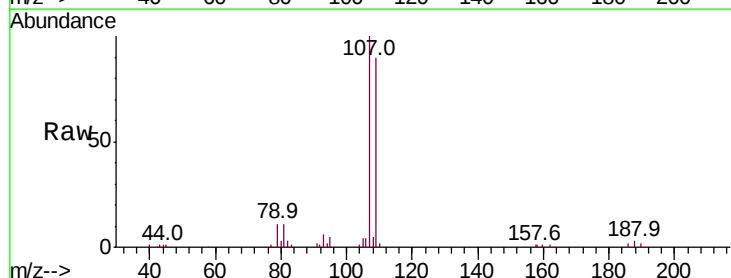
Acq: 23 Oct 2020 18:30

Tgt Ion:107 Resp: 69359

Ion Ratio Lower Upper

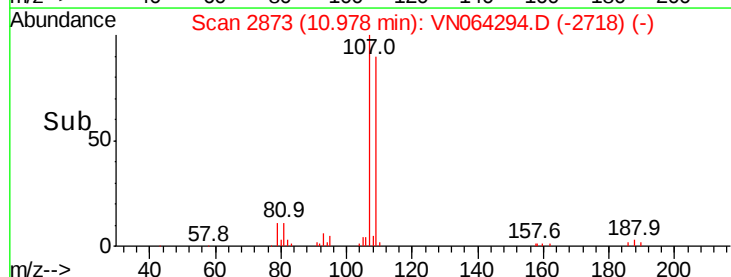
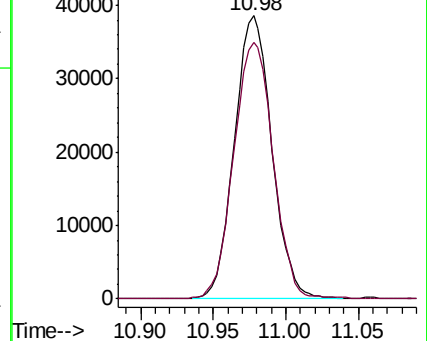
107 100

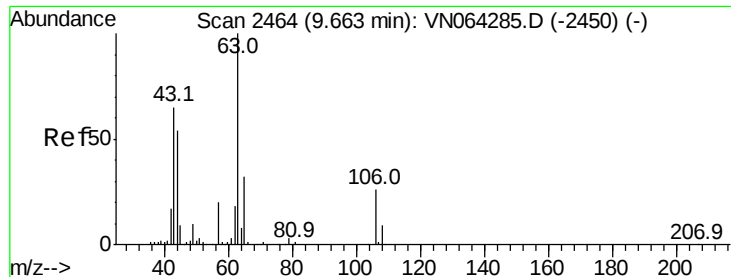
109 94.7 75.7 113.5



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V





#55

2-Chloroethyl vinyl ether

Concen: 93.609 ug/l

RT: 9.66 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN064294.D

Acq: 23 Oct 2020 18:30

Instrument :

MSVOA_N

ClientSampleId :

VN1023WBS01

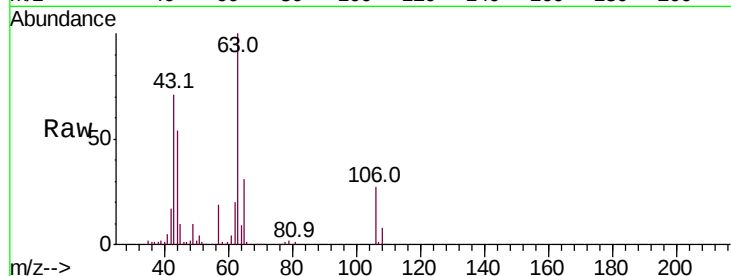
Tot Ion: 63 Resp: 251963

Ion Ratio Lower Upper

63 100

65 31.3 25.2 37.8

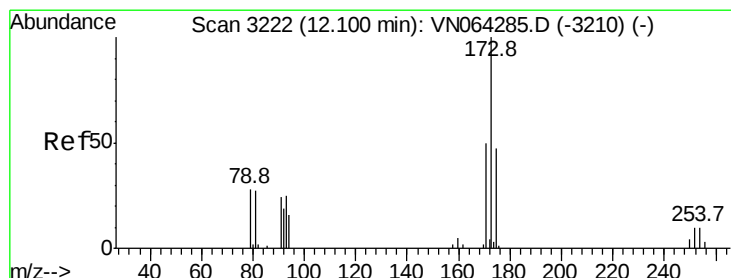
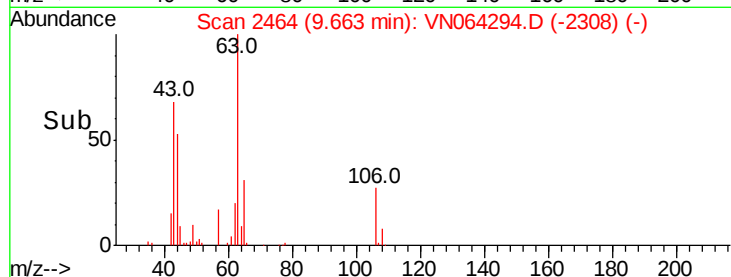
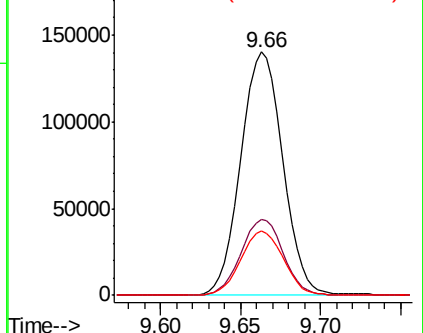
106 26.6 20.6 31.0



Abundance Ion 63.00 (62.70 to 63.70): VN064285.D (-2450) (-)

Ion 65.00 (64.70 to 65.70): VN064285.D (-2450) (-)

Ion 106.00 (105.70 to 106.70): VN064285.D (-2450) (-)



#56

Bromoform

Concen: 16.726 ug/l

RT: 12.10 min Scan# 3222

Delta R.T. -0.00 min

Lab File: VN064294.D

Acq: 23 Oct 2020 18:30

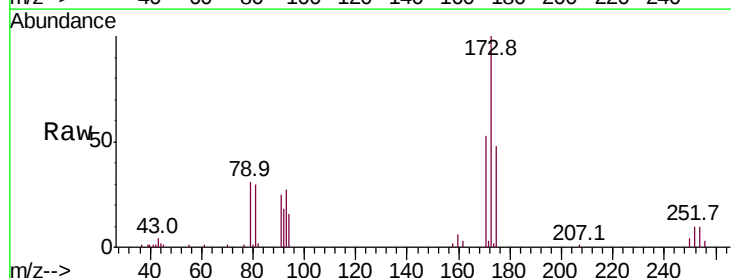
Tgt Ion: 173 Resp: 53216

Ion Ratio Lower Upper

173 100

175 47.9 39.5 59.3

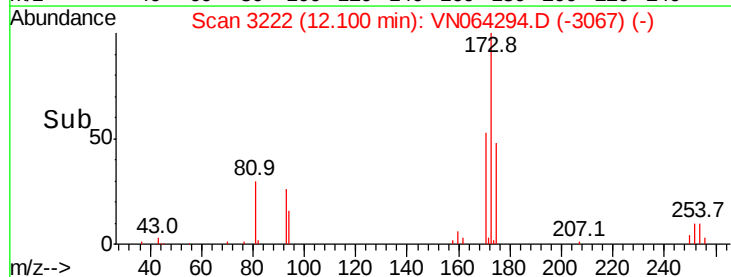
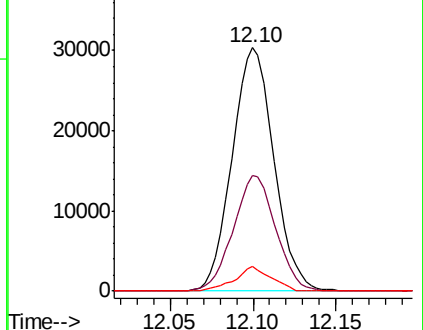
254 8.6 5.0 7.4#

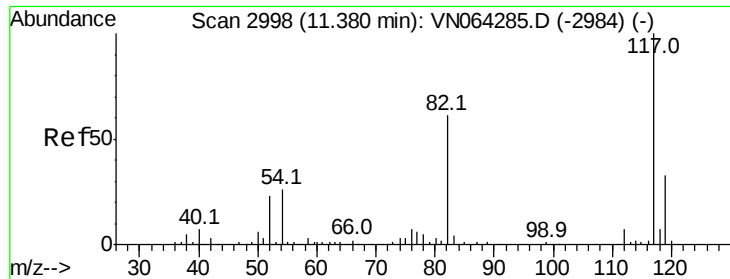


Abundance Ion 173.00 (172.70 to 173.70): VN064285.D (-3210) (-)

Ion 175.00 (174.70 to 175.70): VN064285.D (-3210) (-)

Ion 254.00 (253.70 to 254.70): VN064285.D (-3210) (-)

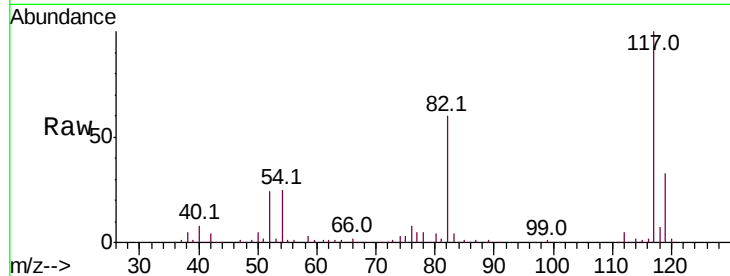




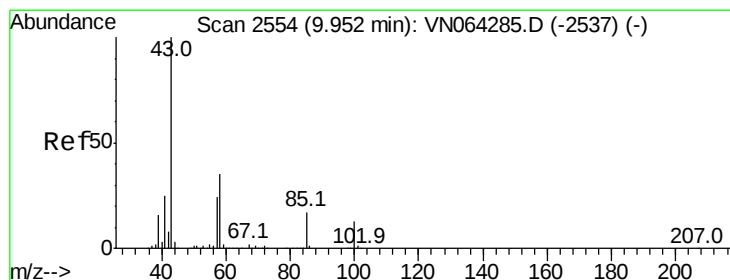
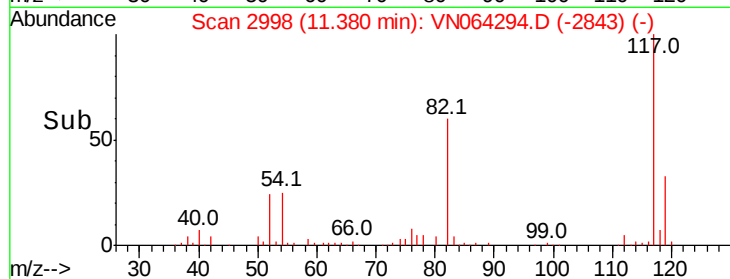
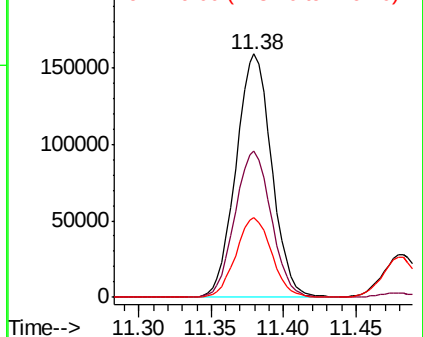
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. -0.00 min
Lab File: VN064294.D
Acq: 23 Oct 2020 18:30

Instrument :
MSVOA_N
ClientSampleId :
VN1023WBS01

Tot Ion:117 Resp: 272633
Ion Ratio Lower Upper
117 100
82 61.1 47.0 70.6
119 32.7 24.6 37.0

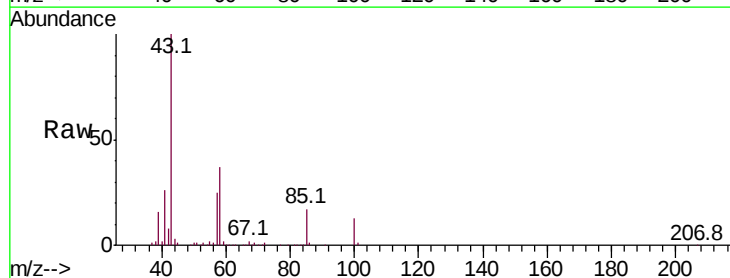


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VN
Ion 119.00 (118.70 to 119.70): V

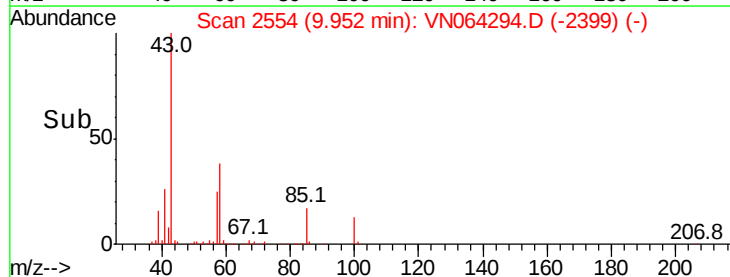
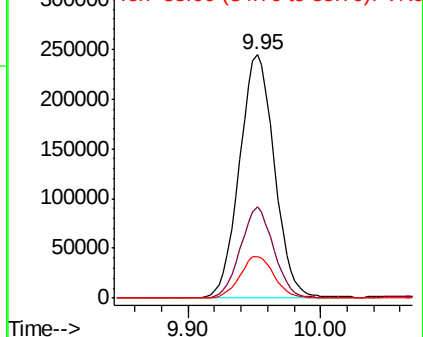


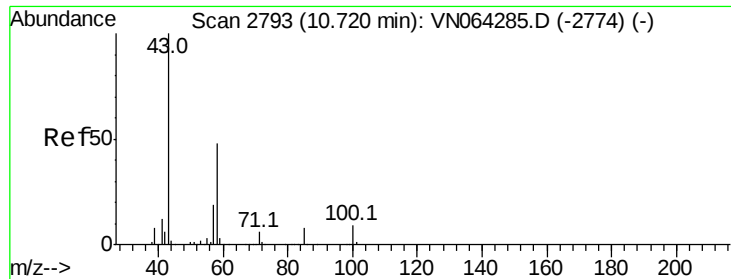
#58
4-Methyl-2-Pentanone
Concen: 94.978 ug/l
RT: 9.95 min Scan# 2554
Delta R.T. -0.00 min
Lab File: VN064294.D
Acq: 23 Oct 2020 18:30

Tgt Ion: 43 Resp: 446279
Ion Ratio Lower Upper
43 100
58 35.7 28.6 43.0
85 16.7 13.7 20.5



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

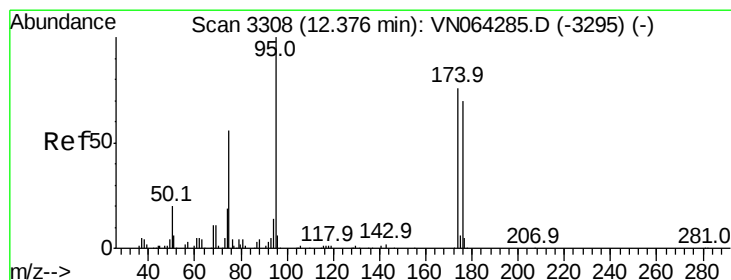
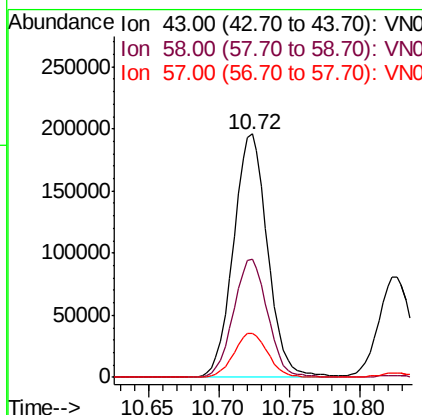
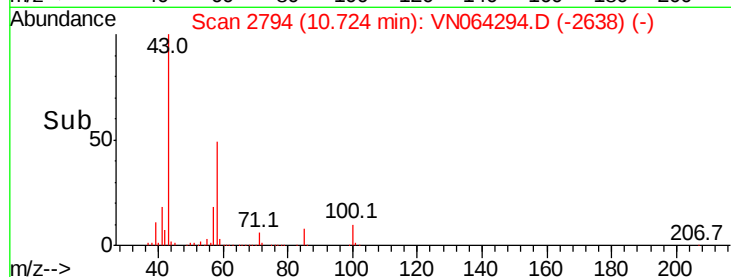
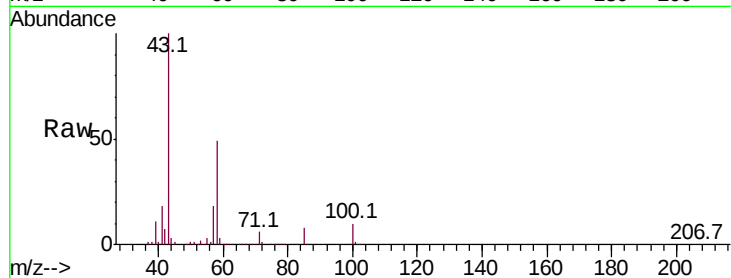




#59
2-Hexanone
Concen: 92.802 ug/l
RT: 10.72 min Scan# 2794
Delta R.T. 0.00 min
Lab File: VN064294.D
Acq: 23 Oct 2020 18:30

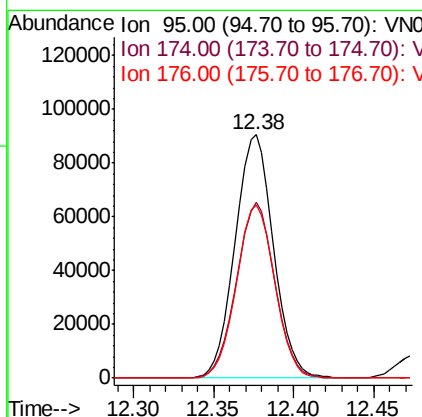
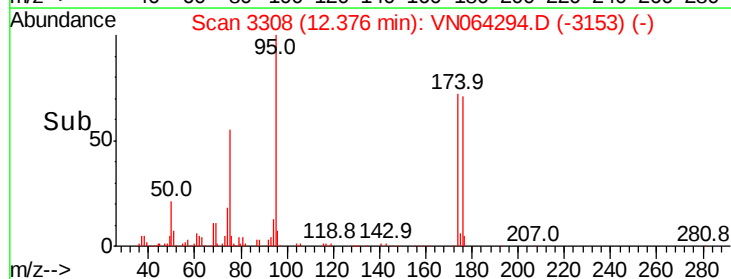
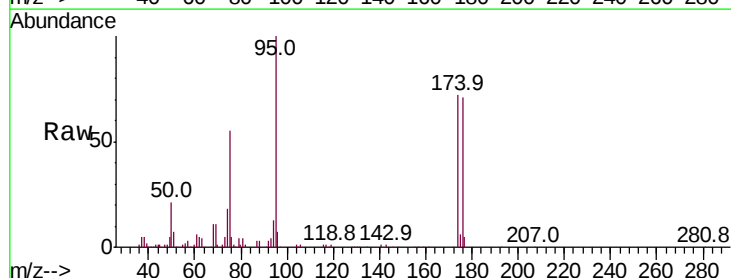
Instrument :
MSVOA_N
ClientSampled :
VN1023WBS01

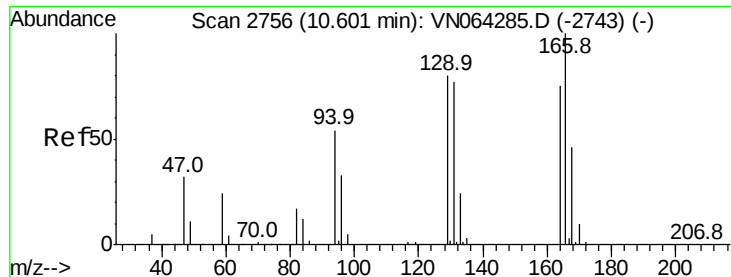
Tot Ion: 43 Resp: 330621
Ion Ratio Lower Upper
43 100
58 48.8 40.5 60.7
57 18.4 15.4 23.0



#60
4-Bromofluorobenzene
Concen: 30.489 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. -0.00 min
Lab File: VN064294.D
Acq: 23 Oct 2020 18:30

Tgt Ion: 95 Resp: 147946
Ion Ratio Lower Upper
95 100
174 72.3 57.9 86.9
176 71.0 56.7 85.1





#61

Tetrachloroethene

Concen: 18.334 ug/l

RT: 10.60 min Scan# 2756

Delta R.T. -0.00 min

Lab File: VN064294.D

Acq: 23 Oct 2020 18:30

Instrument :

MSVOA_N

ClientSampleId :

VN1023WBS01

Tot Ion:164 Resp: 69839

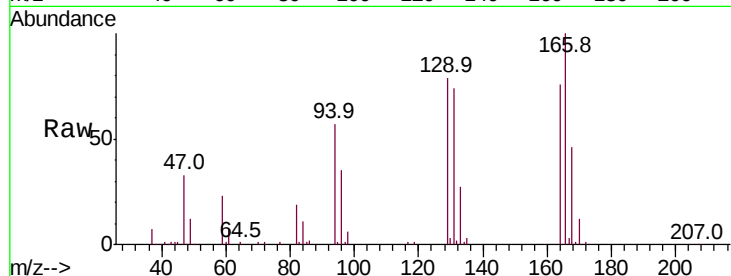
Ion Ratio Lower Upper

164 100

166 130.8 107.4 161.0

129 103.2 84.3 126.5

131 96.2 81.1 121.7

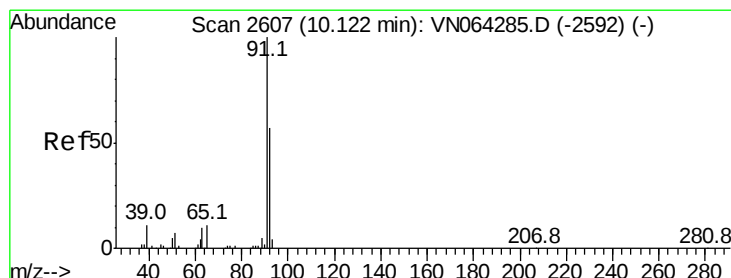
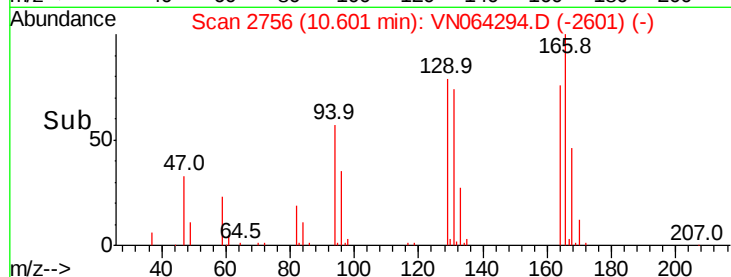
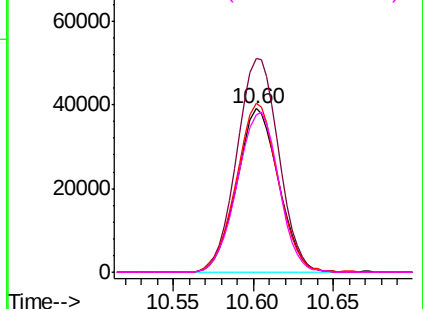


Abundance Ion 163.85 (163.55 to 164.55): V

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: 18.007 ug/l

RT: 10.13 min Scan# 2608

Delta R.T. -0.00 min

Lab File: VN064294.D

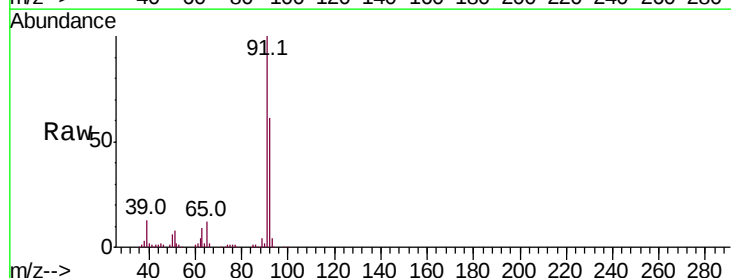
Acq: 23 Oct 2020 18:30

Tgt Ion: 91 Resp: 282608

Ion Ratio Lower Upper

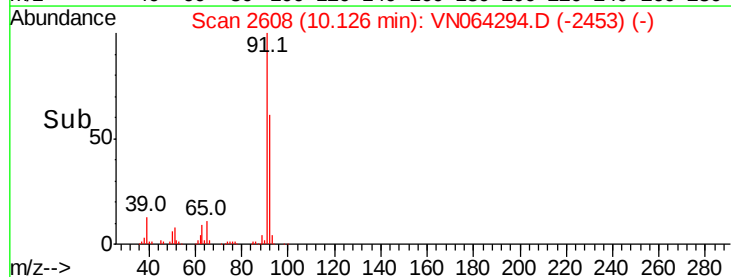
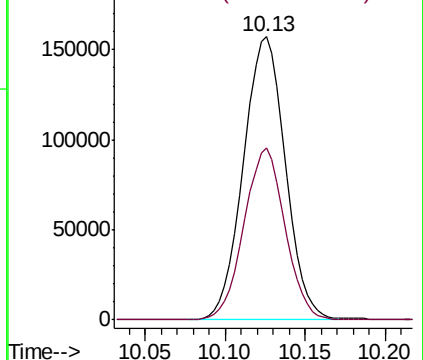
91 100

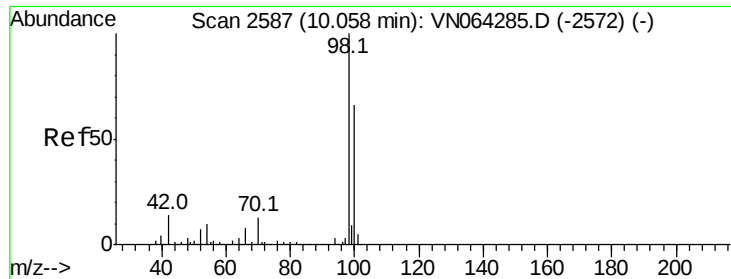
92 59.2 46.4 69.6



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V





#63

Toluene-d8

Concen: 30.272 ug/l

RT: 10.06 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN064294.D

Acq: 23 Oct 2020 18:30

Instrument :

MSVOA_N

ClientSampleId :

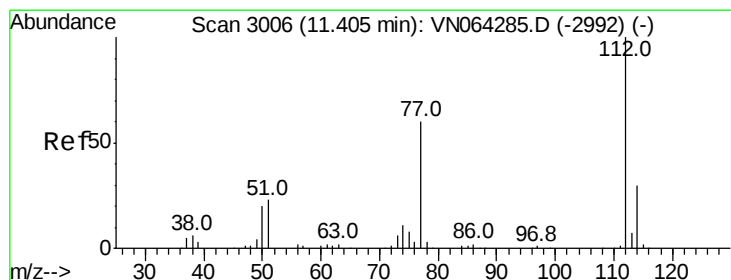
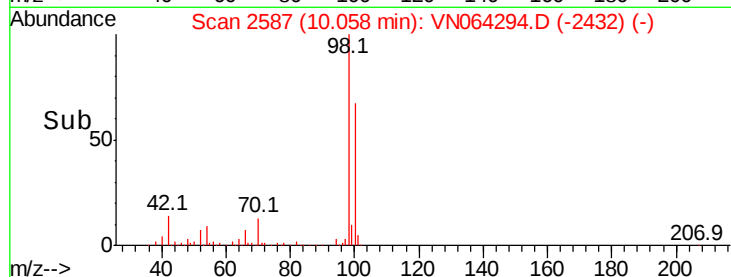
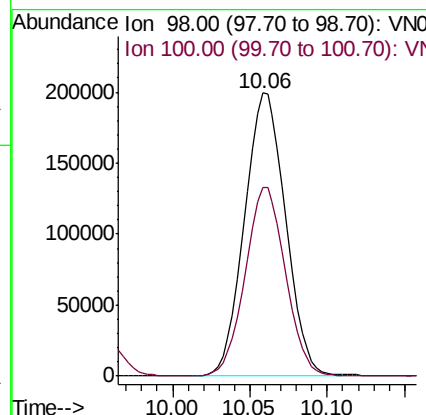
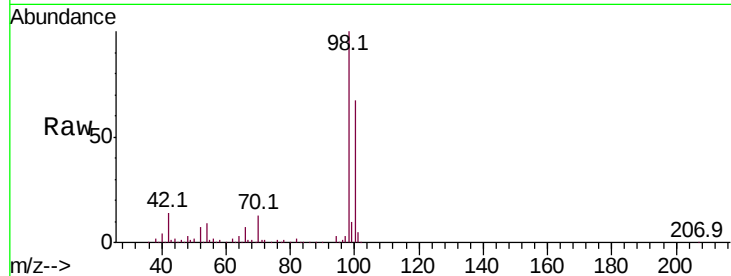
VN1023WBS01

Tot Ion: 98 Resp: 368890

Ion Ratio Lower Upper

98 100

100 65.3 51.7 77.5



#64

Chlorobenzene

Concen: 18.127 ug/l

RT: 11.41 min Scan# 3006

Delta R.T. -0.00 min

Lab File: VN064294.D

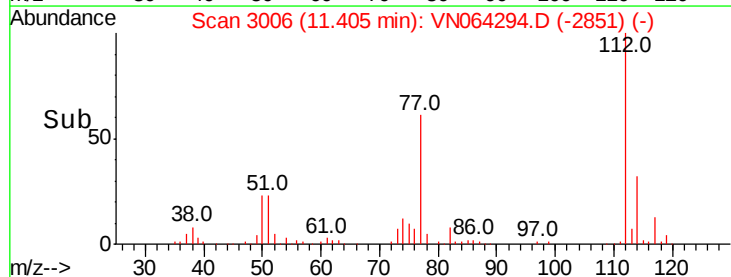
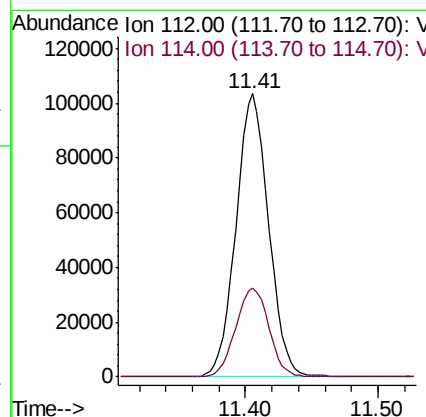
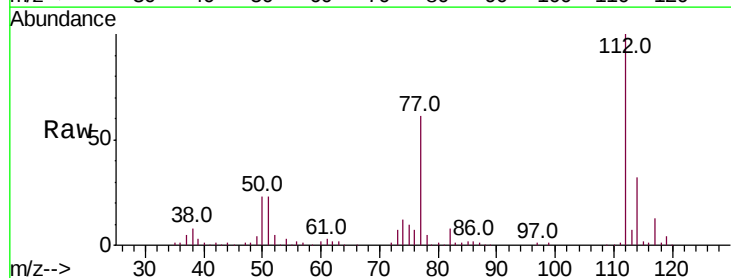
Acq: 23 Oct 2020 18:30

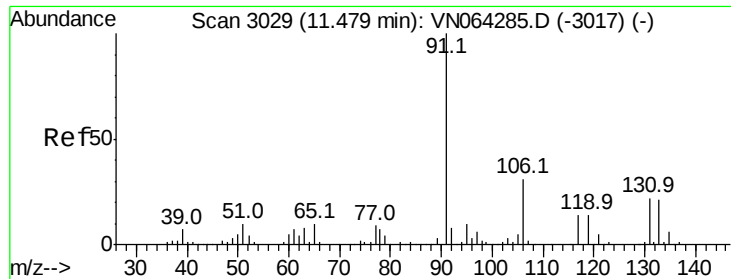
Tgt Ion: 112 Resp: 176475

Ion Ratio Lower Upper

112 100

114 31.5 26.5 39.7

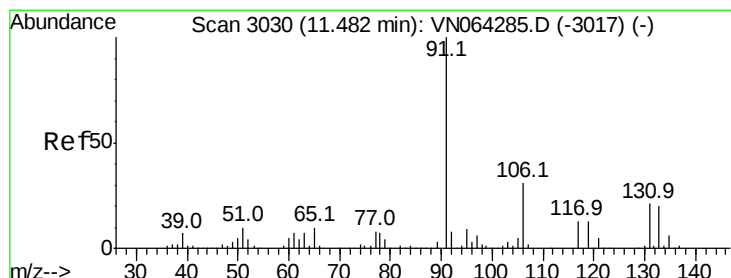
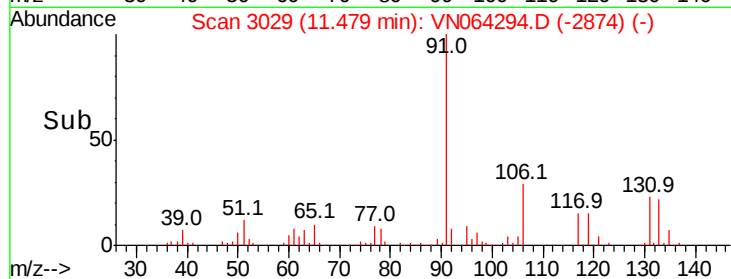
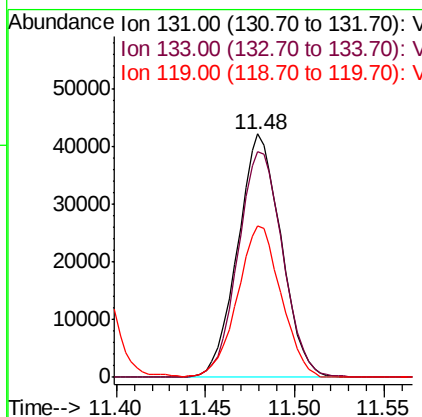
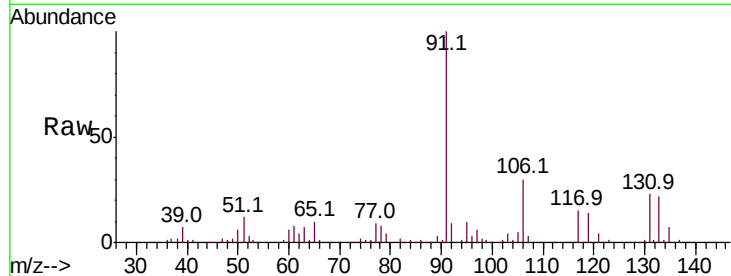




#65
 1,1,1,2-Tetrachloroethane
 Concen: 18.445 ug/l
 RT: 11.48 min Scan# 3029
 Delta R.T. -0.00 min
 Lab File: VN064294.D
 Acq: 23 Oct 2020 18:30

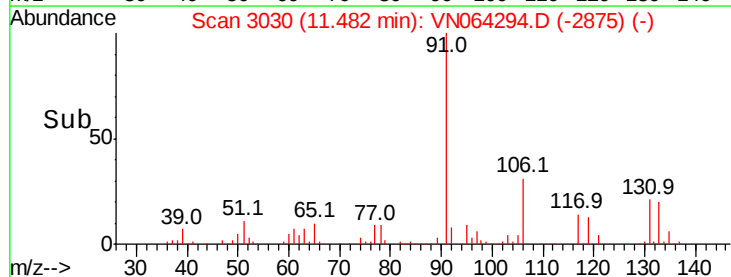
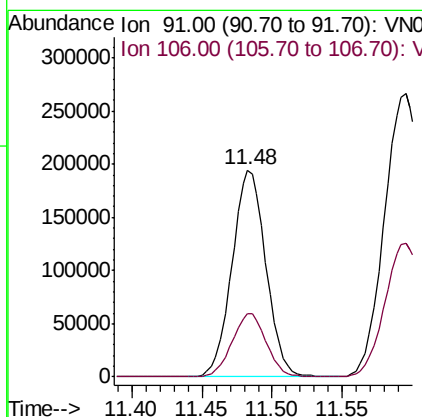
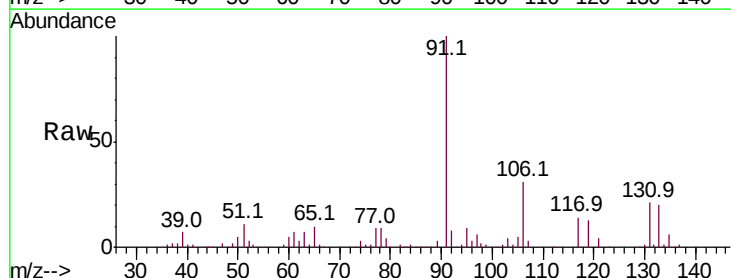
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1023WBS01

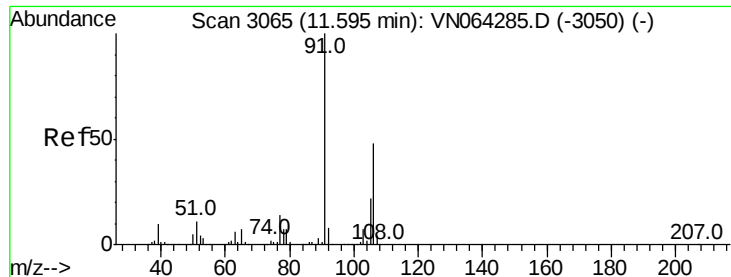
Tot Ion:131 Resp: 71731
 Ion Ratio Lower Upper
 131 100
 133 95.2 0.0 193.4
 119 62.7 0.0 125.2



#66
 Ethyl Benzene
 Concen: 18.155 ug/l
 RT: 11.48 min Scan# 3030
 Delta R.T. -0.00 min
 Lab File: VN064294.D
 Acq: 23 Oct 2020 18:30

Tgt Ion: 91 Resp: 326669
 Ion Ratio Lower Upper
 91 100
 106 30.8 23.8 35.6





#67

m/p-Xylenes

Concen: 36.703 ug/l

RT: 11.59 min Scan# 3065

Delta R.T. -0.00 min

Lab File: VN064294.D

Acq: 23 Oct 2020 18:30

Instrument :

MSVOA_N

ClientSampled :

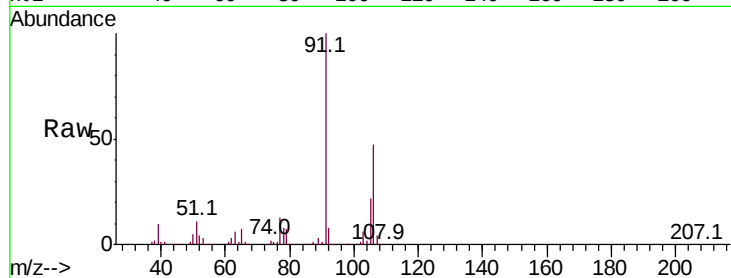
VN1023WBS01

Tot Ion:106 Resp: 244908

Ion Ratio Lower Upper

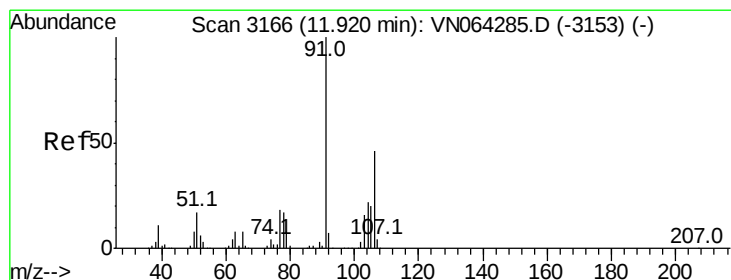
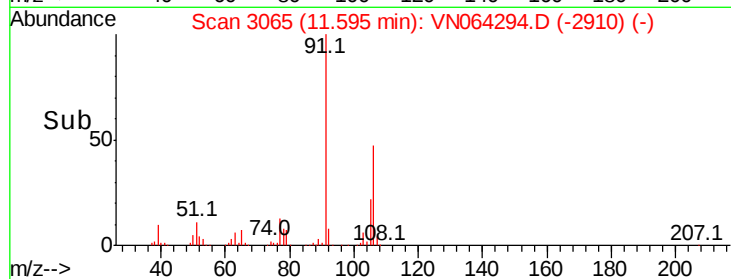
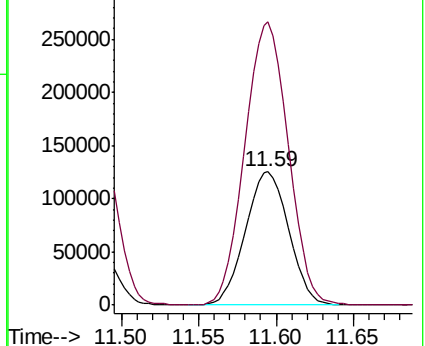
106 100

91 211.7 170.6 255.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN



#68

o-Xylene

Concen: 17.799 ug/l

RT: 11.92 min Scan# 3166

Delta R.T. -0.00 min

Lab File: VN064294.D

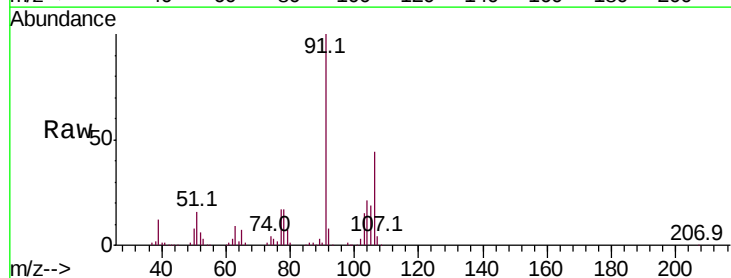
Acq: 23 Oct 2020 18:30

Tgt Ion:106 Resp: 115325

Ion Ratio Lower Upper

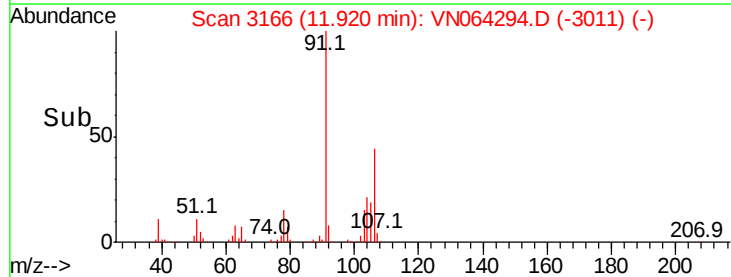
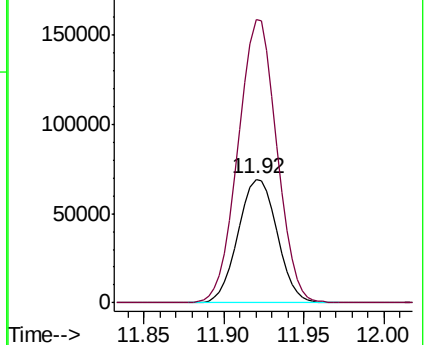
106 100

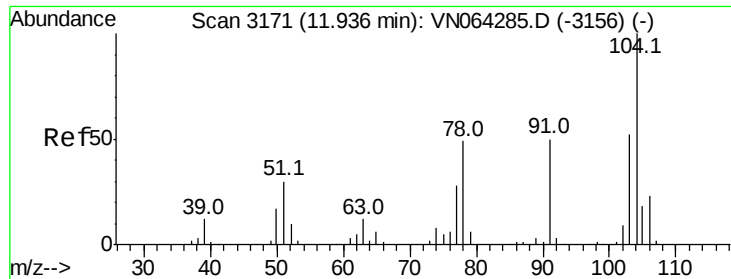
91 226.8 115.3 346.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN

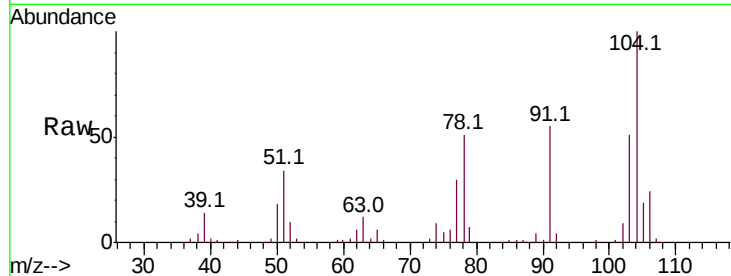




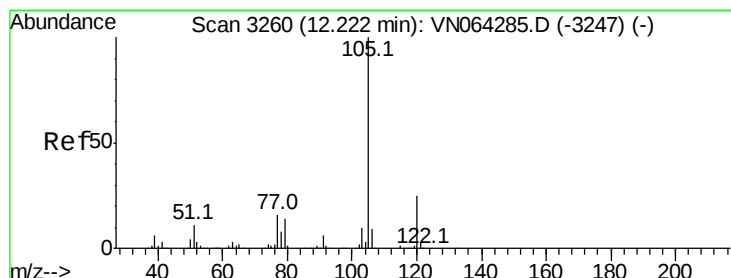
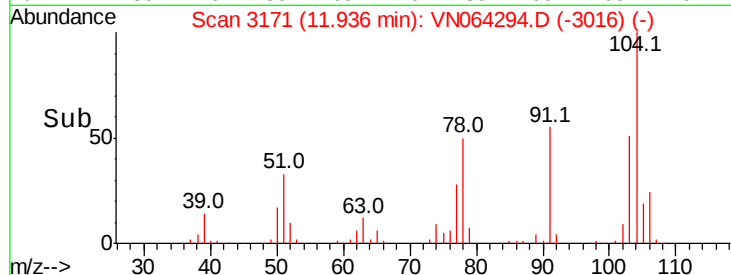
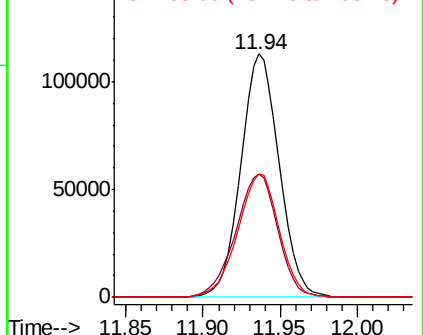
#69
Stvrene
Concen: 18.071 ug/l
RT: 11.94 min Scan# 3171
Delta R.T. -0.00 min
Lab File: VN064294.D
Acq: 23 Oct 2020 18:30

Instrument :
MSVOA_N
ClientSampleId :
VN1023WBS01

Tot Ion:104 Resp: 194957
Ion Ratio Lower Upper
104 100
78 55.8 45.4 68.2
103 54.9 44.6 67.0

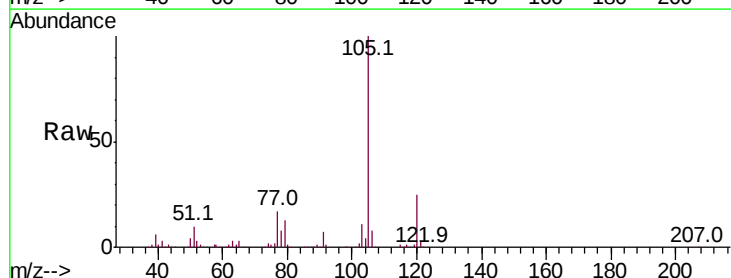


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): V
Ion 103.00 (102.70 to 103.70): V

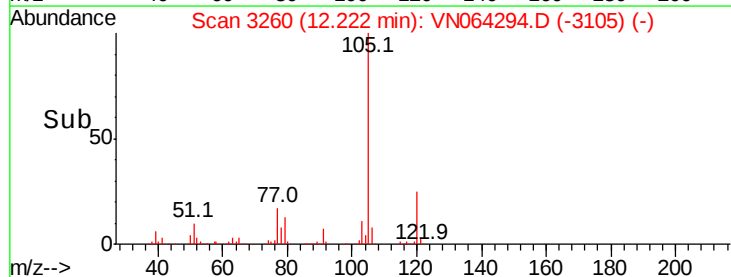
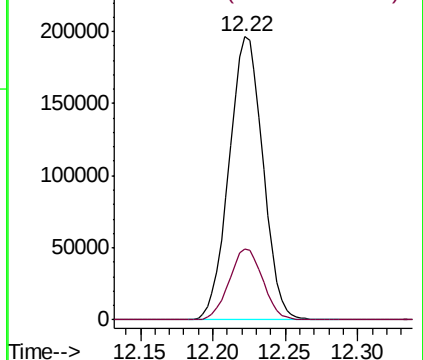


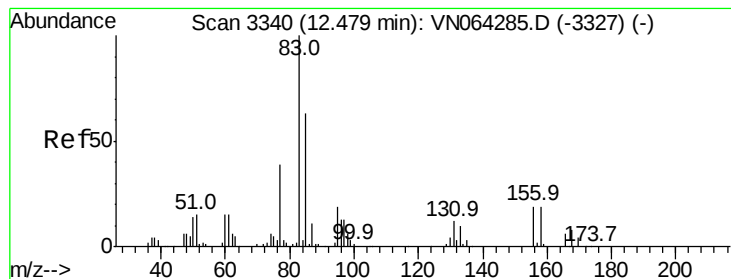
#70
Isopropylbenzene
Concen: 18.599 ug/l
RT: 12.22 min Scan# 3260
Delta R.T. -0.00 min
Lab File: VN064294.D
Acq: 23 Oct 2020 18:30

Tgt Ion:105 Resp: 318597
Ion Ratio Lower Upper
105 100
120 24.8 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: 18.784 ug/l

RT: 12.48 min Scan# 3340

Delta R.T. 0.00 min

Lab File: VN064294.D

Acq: 23 Oct 2020 18:30

Instrument :

MSVOA_N

ClientSampled :

VN1023WBS01

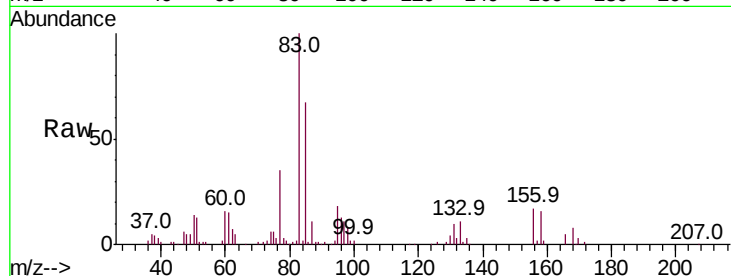
Tot Ion: 83 Resp: 86311

Ion Ratio Lower Upper

83 100

131 10.9 5.7 17.0

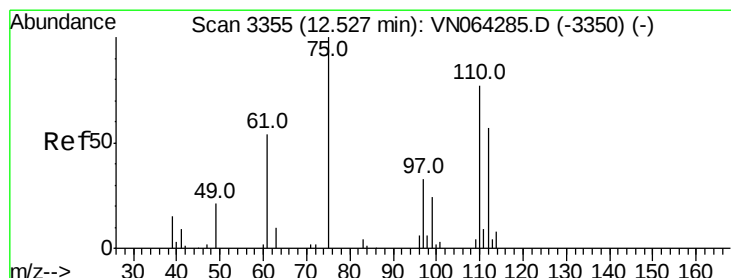
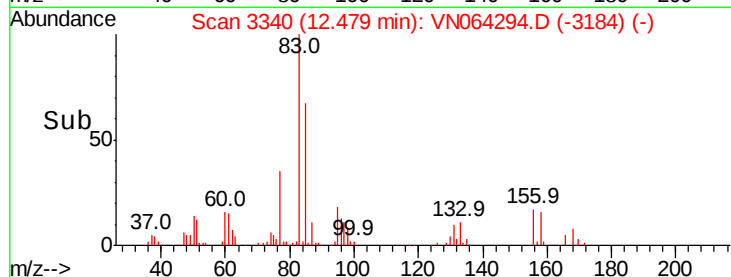
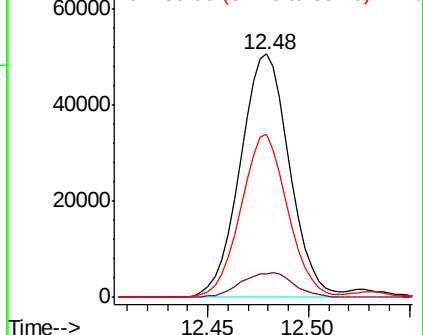
85 63.9 33.3 99.8



Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VN0



#72

1,2,3-Trichloropropane

Concen: 27.289 ug/l

RT: 12.53 min Scan# 3355

Delta R.T. -0.00 min

Lab File: VN064294.D

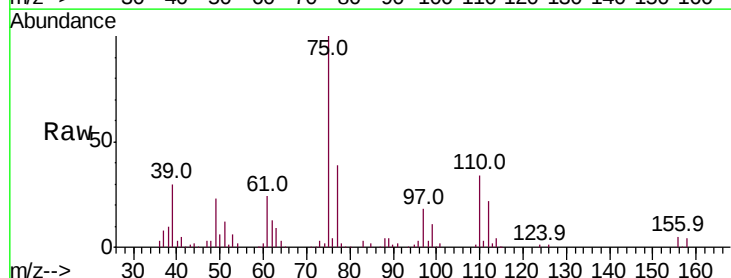
Acq: 23 Oct 2020 18:30

Tgt Ion: 75 Resp: 130205

Ion Ratio Lower Upper

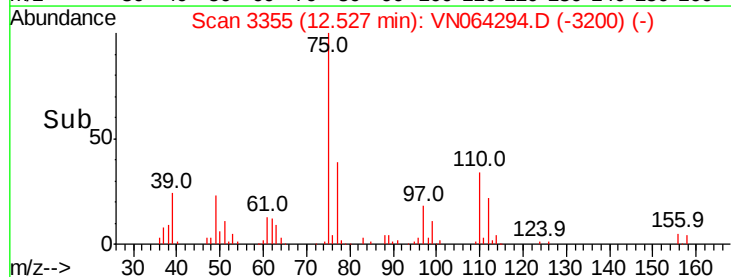
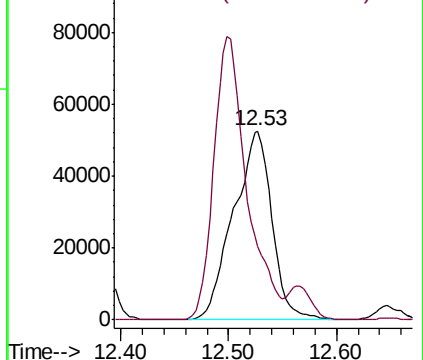
75 100

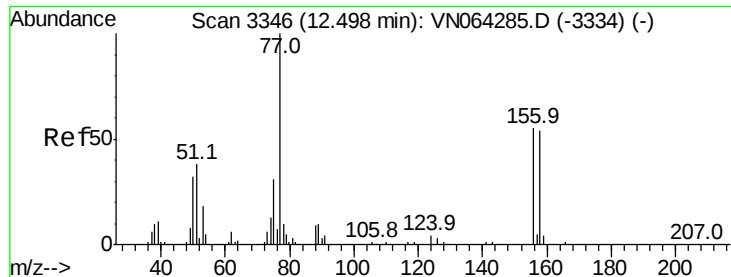
77 128.9 0.0 365.2



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 77.00 (76.70 to 77.70): VN0





#73

Bromobenzene

Concen: 17.518 ug/l

RT: 12.50 min Scan# 3346

Delta R.T. -0.00 min

Lab File: VN064294.D

Acq: 23 Oct 2020 18:30

Instrument :

MSVOA_N

ClientSampleId :

VN1023WBS01

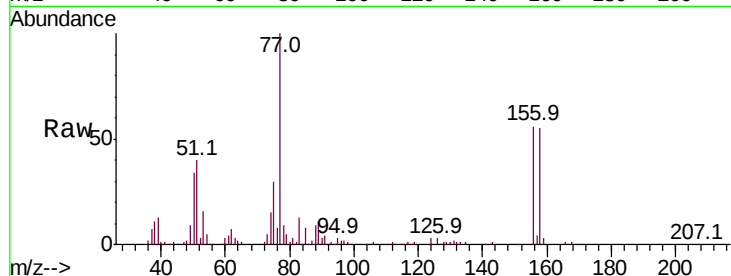
Tot Ion:156 Resp: 72998

Ion Ratio Lower Upper

156 100

77 229.9 0.0 450.2

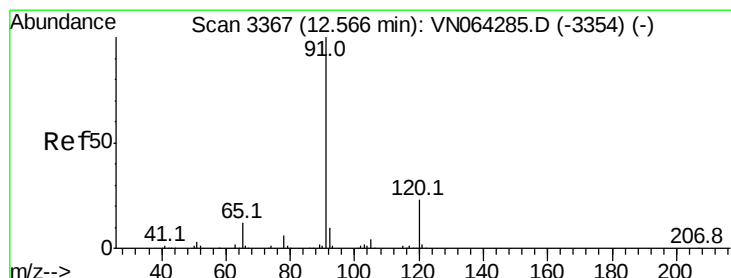
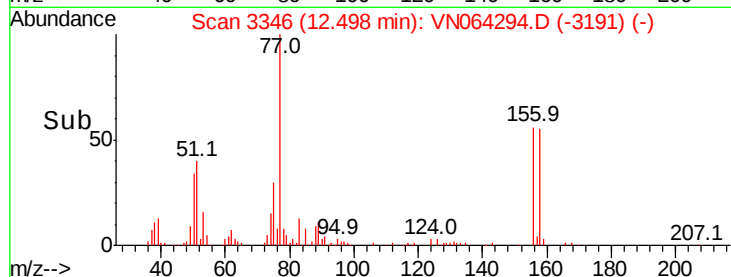
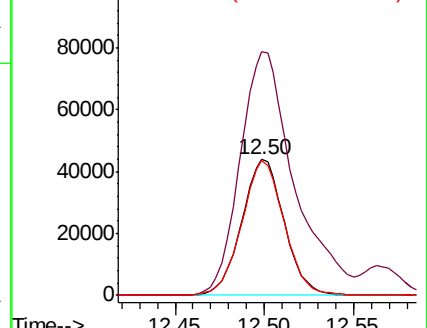
158 99.2 0.0 194.8



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: 18.108 ug/l

RT: 12.57 min Scan# 3367

Delta R.T. -0.00 min

Lab File: VN064294.D

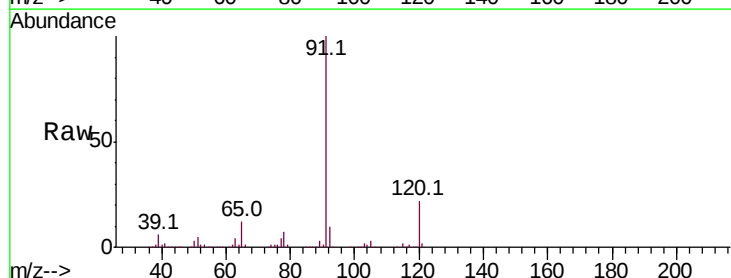
Acq: 23 Oct 2020 18:30

Tgt Ion: 91 Resp: 355918

Ion Ratio Lower Upper

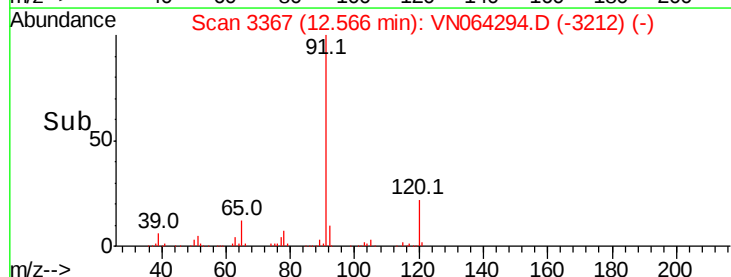
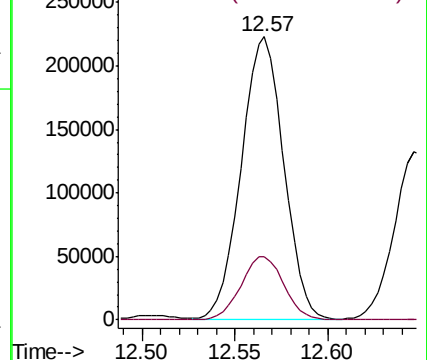
91 100

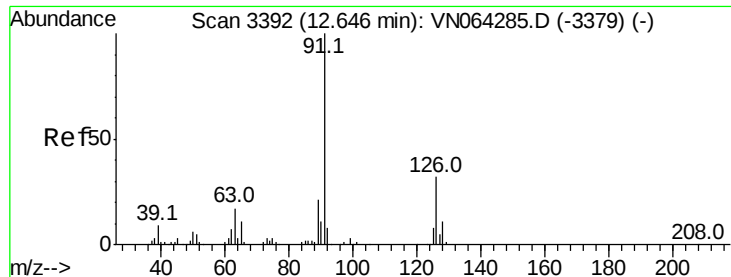
120 22.6 0.0 43.6



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 18.381 ug/l

RT: 12.65 min Scan# 3392

Delta R.T. -0.00 min

Lab File: VN064294.D

Acq: 23 Oct 2020 18:30

Instrument :

MSVOA_N

ClientSampleId :

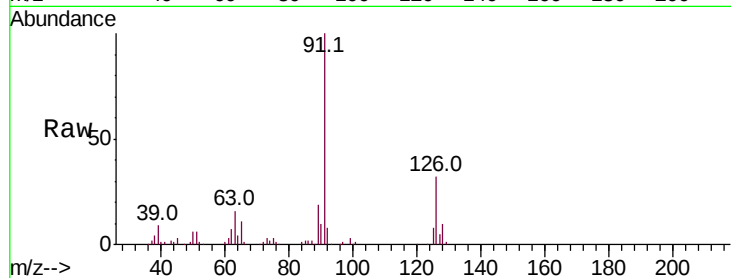
VN1023WBS01

Tot Ion: 91 Resp: 223084

Ion Ratio Lower Upper

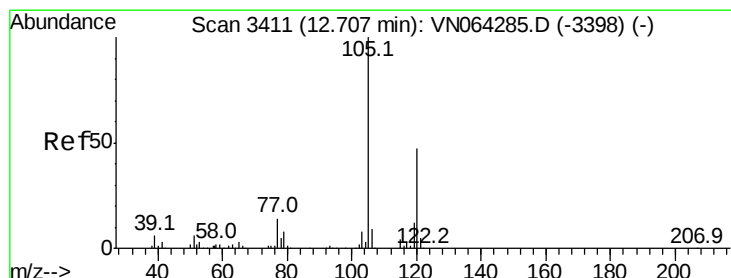
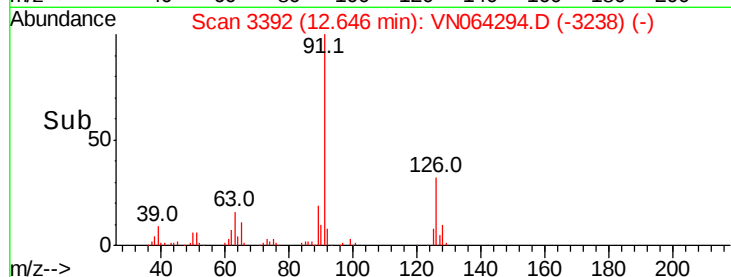
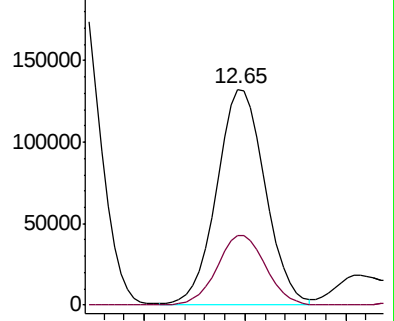
91 100

126 32.7 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) (-)



#76

1,3,5-Trimethylbenzene

Concen: 18.534 ug/l

RT: 12.71 min Scan# 3411

Delta R.T. -0.00 min

Lab File: VN064294.D

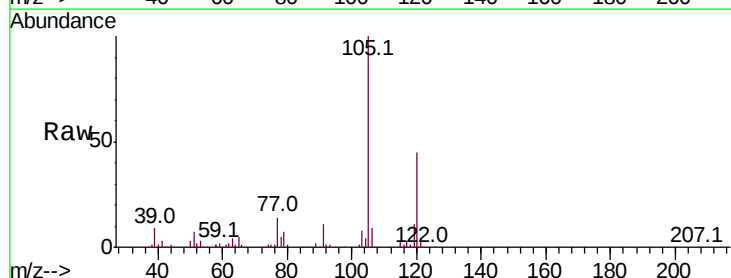
Acq: 23 Oct 2020 18:30

Tgt Ion: 105 Resp: 269090

Ion Ratio Lower Upper

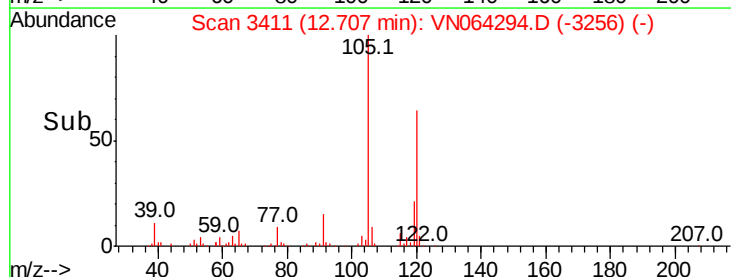
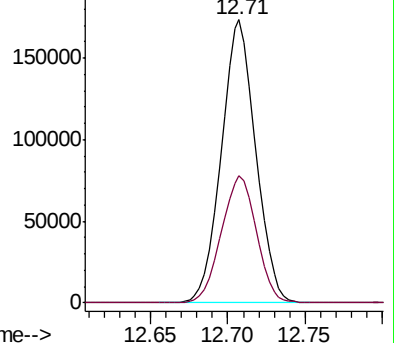
105 100

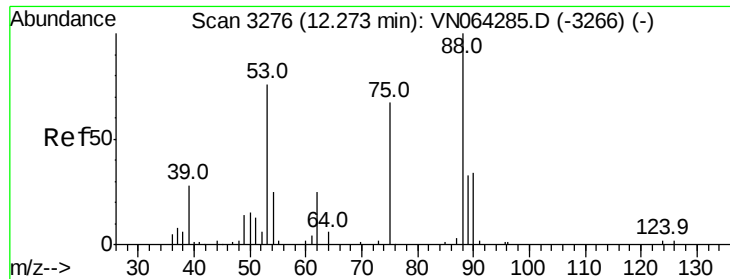
120 46.0 0.0 92.8



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

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

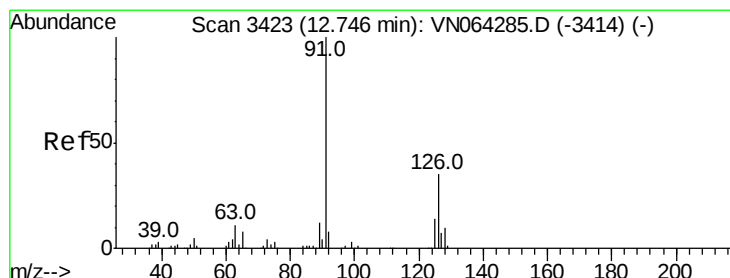
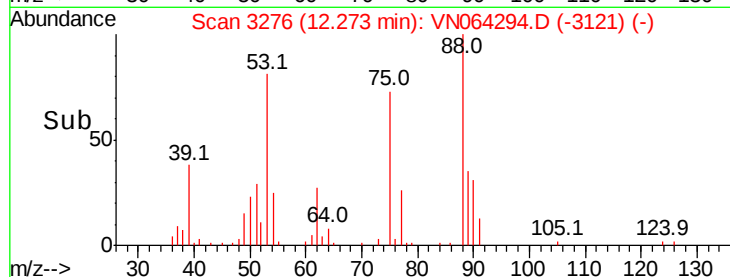
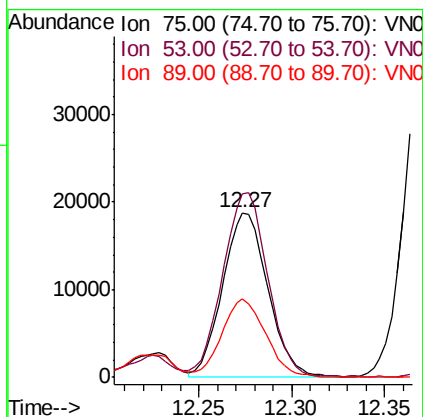
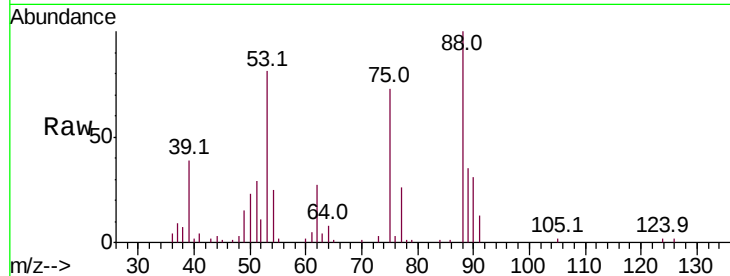




#77
t-1,4-Dichloro-2-butene
Concen: 17.307 ug/l
RT: 12.27 min Scan# 3276
Delta R.T. -0.00 min
Lab File: VN064294.D
Acq: 23 Oct 2020 18:30

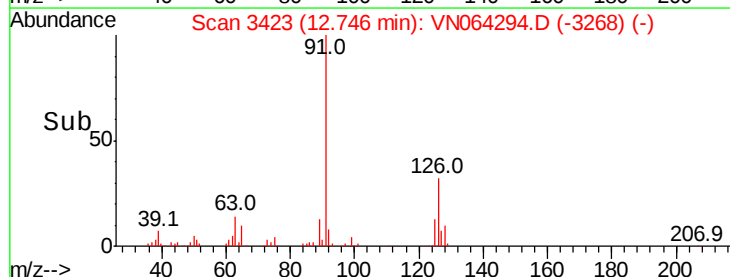
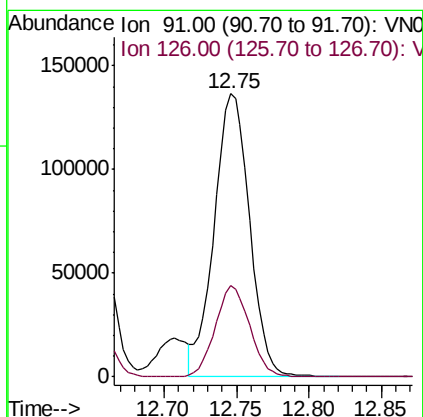
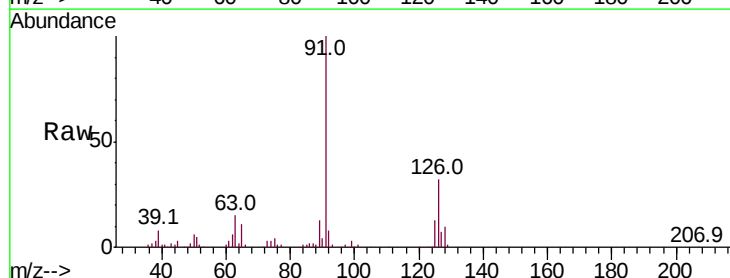
Instrument :
MSVOA_N
ClientSampleId :
VN1023WBS01

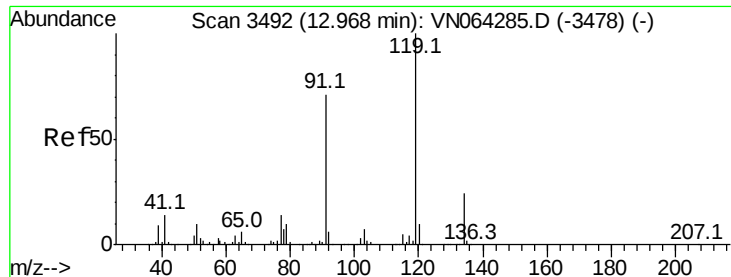
Tot Ion: 75 Resp: 31933
Ion Ratio Lower Upper
75 100
53 110.9 44.8 134.3
89 47.9 22.2 66.6



#78
4-Chlorotoluene
Concen: 18.400 ug/l
RT: 12.75 min Scan# 3423
Delta R.T. -0.00 min
Lab File: VN064294.D
Acq: 23 Oct 2020 18:30

Tgt Ion: 91 Resp: 232830
Ion Ratio Lower Upper
91 100
126 31.3 0.0 62.2





#79

tert-butylbenzene

Concen: 17.854 ug/l

RT: 12.97 min Scan# 3492

Delta R.T. -0.00 min

Lab File: VN064294.D

Acq: 23 Oct 2020 18:30

Instrument :

MSVOA_N

ClientSampleId :

VN1023WBS01

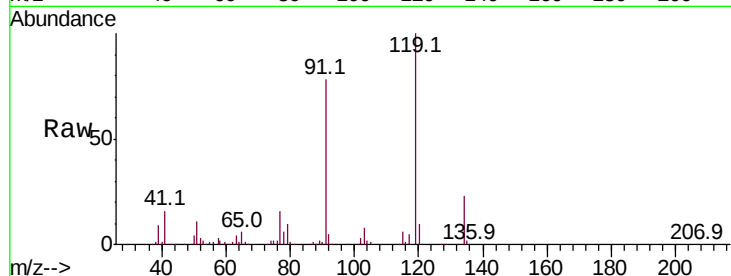
Tot Ion:119 Resp: 211851

Ion Ratio Lower Upper

119 100

91 76.0 0.0 140.0

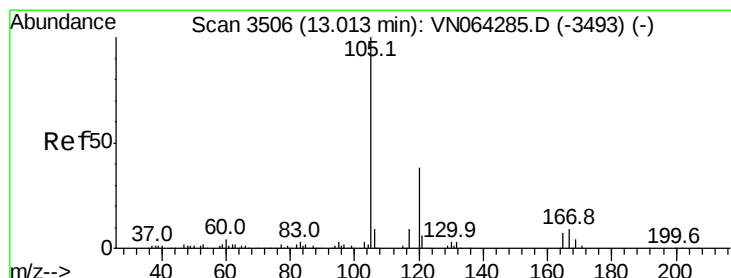
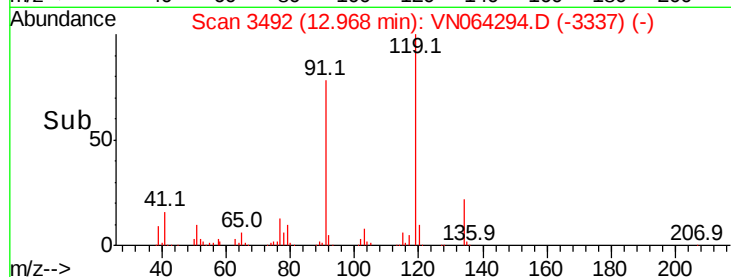
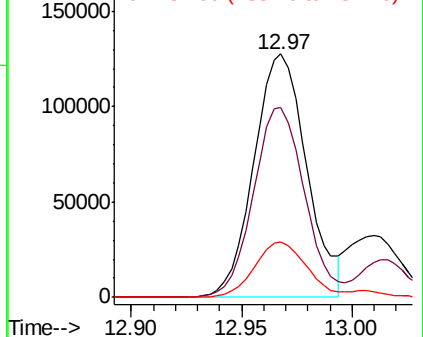
134 22.3 0.0 45.8



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VN0

Ion 134.00 (133.70 to 134.70): V



#80

1,2,4-Trimethylbenzene

Concen: 18.129 ug/l

RT: 13.01 min Scan# 3506

Delta R.T. -0.00 min

Lab File: VN064294.D

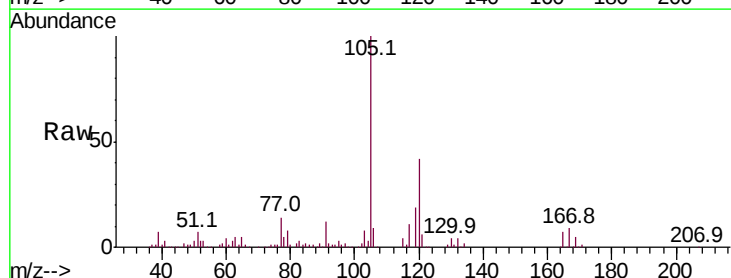
Acq: 23 Oct 2020 18:30

Tgt Ion:105 Resp: 267137

Ion Ratio Lower Upper

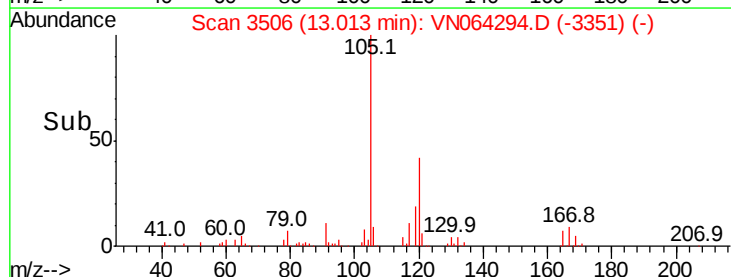
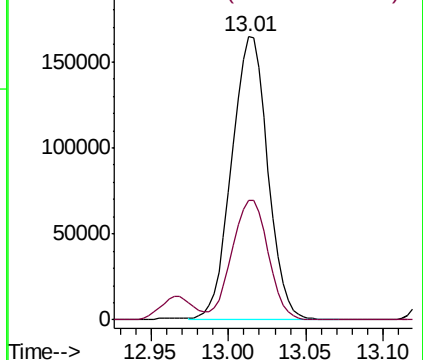
105 100

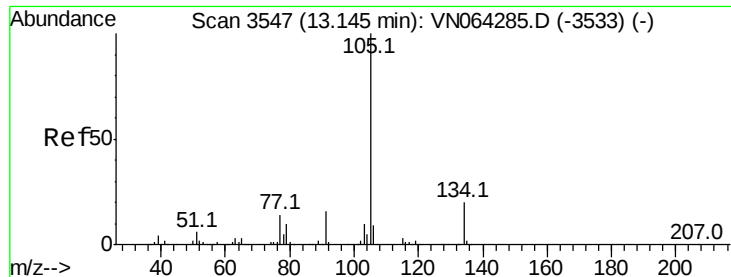
120 42.8 0.0 87.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

sec-Butylbenzene

Concen: 17.878 ug/l

RT: 13.14 min Scan# 3547

Delta R.T. -0.00 min

Lab File: VN064294.D

Acq: 23 Oct 2020 18:30

Instrument :

MSVOA_N

ClientSampleId :

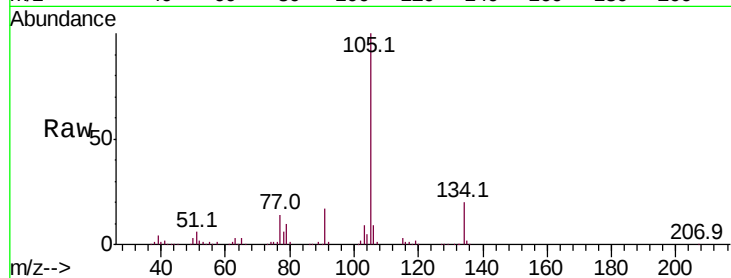
VN1023WBS01

Tot Ion:105 Resp: 275384

Ion Ratio Lower Upper

105 100

134 20.1 0.0 36.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

200000

150000

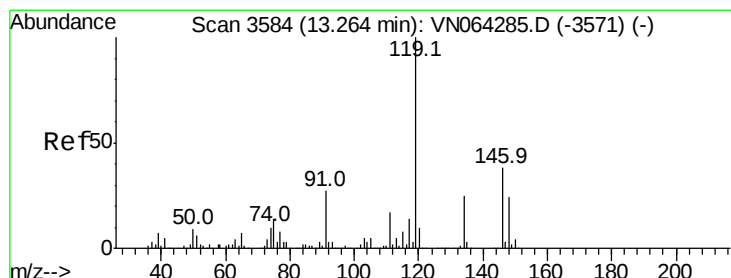
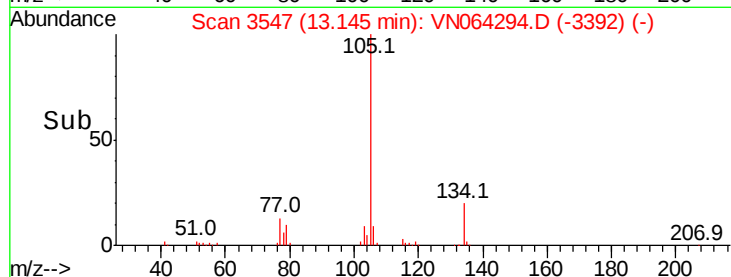
100000

50000

0

13.10 13.15 13.20

Time-->



#82

p-Isopropyltoluene

Concen: 17.804 ug/l

RT: 13.26 min Scan# 3584

Delta R.T. 0.00 min

Lab File: VN064294.D

Acq: 23 Oct 2020 18:30

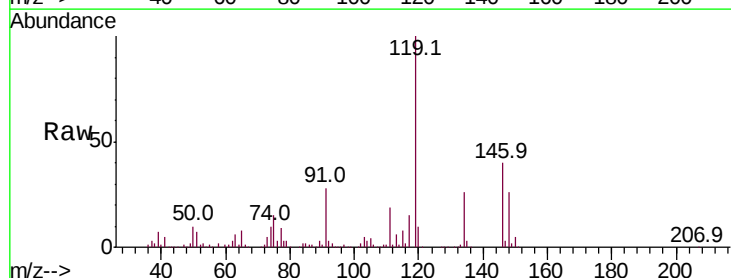
Tgt Ion:119 Resp: 251659

Ion Ratio Lower Upper

119 100

134 25.8 0.0 47.8

91 27.5 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

200000

150000

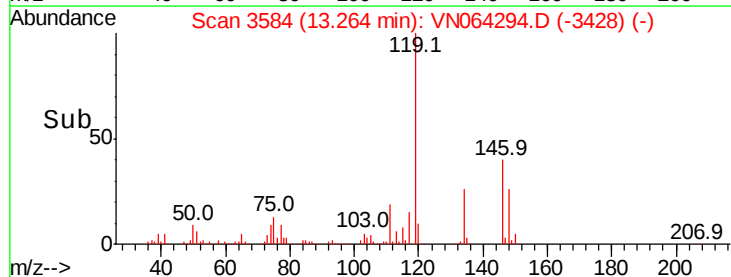
100000

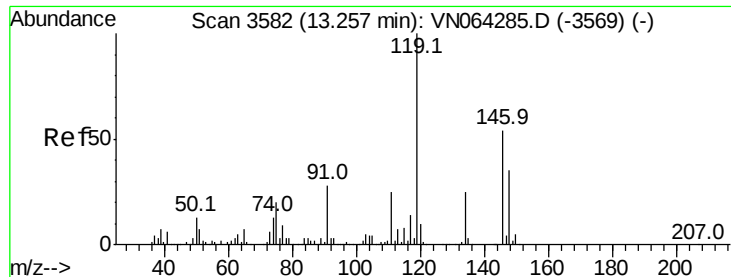
50000

0

13.20 13.25 13.30 13.35

Time-->

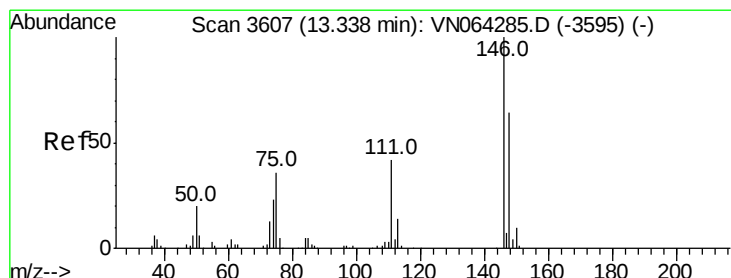
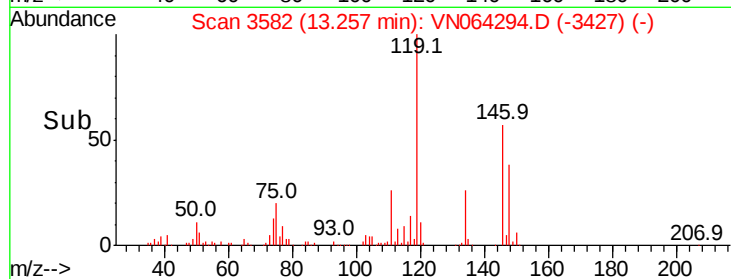
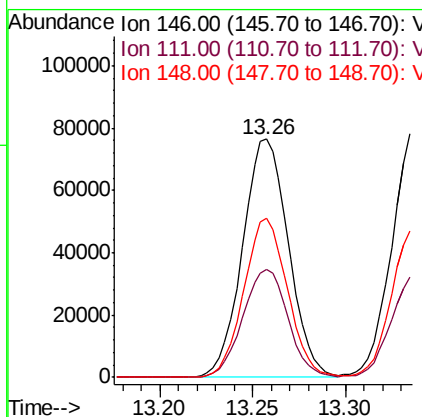
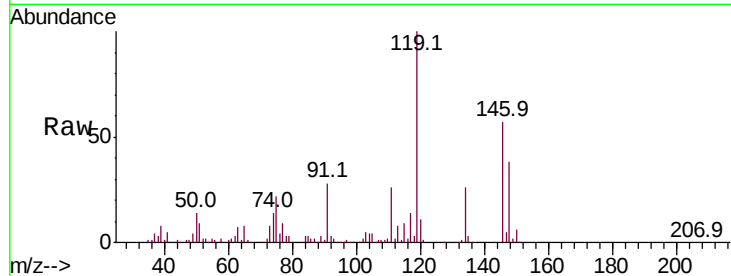




#83
 1,3-Dichlorobenzene
 Concen: 17.843 ug/l
 RT: 13.26 min Scan# 3582
 Delta R.T. -0.00 min
 Lab File: VN064294.D
 Acq: 23 Oct 2020 18:30

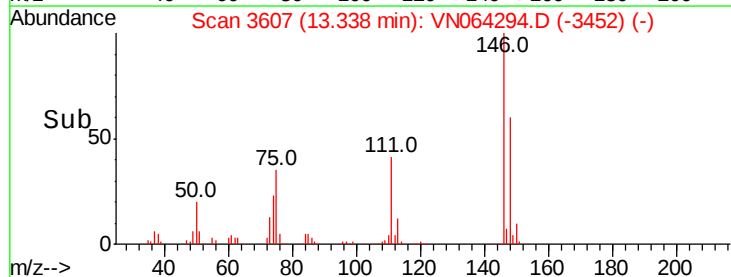
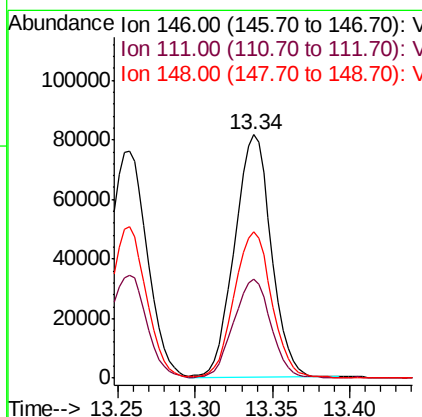
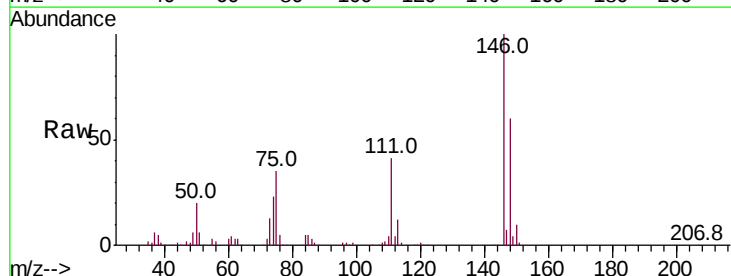
Instrument :
 MSVOA_N
 ClientSampled :
 VN1023WBS01

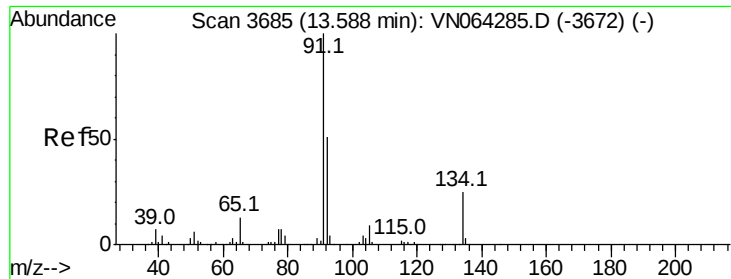
Tot Ion:146 Resp: 131143
 Ion Ratio Lower Upper
 146 100
 111 44.6 22.1 66.5
 148 63.4 31.9 95.5



#84
 1,4-Dichlorobenzene
 Concen: 17.956 ug/l
 RT: 13.34 min Scan# 3607
 Delta R.T. -0.00 min
 Lab File: VN064294.D
 Acq: 23 Oct 2020 18:30

Tgt Ion:146 Resp: 134383
 Ion Ratio Lower Upper
 146 100
 111 41.5 20.3 61.0
 148 62.1 31.4 94.3

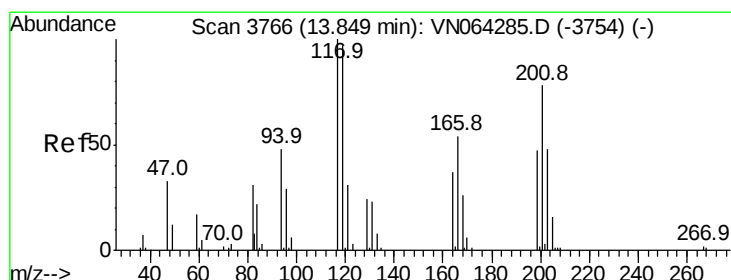
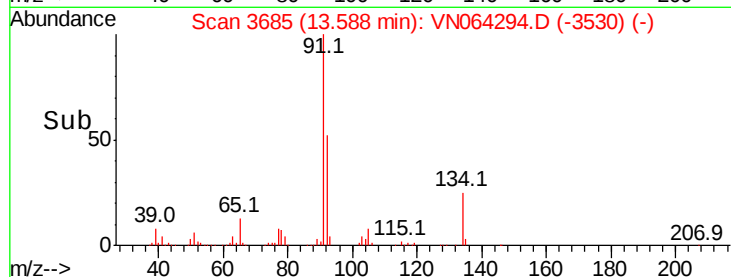
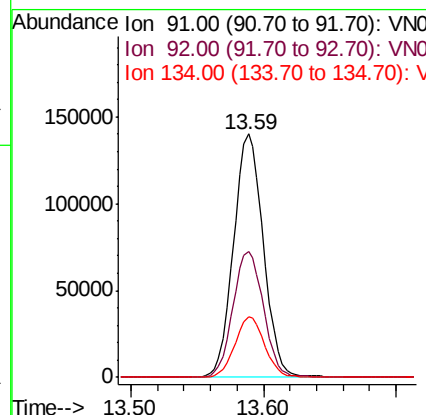
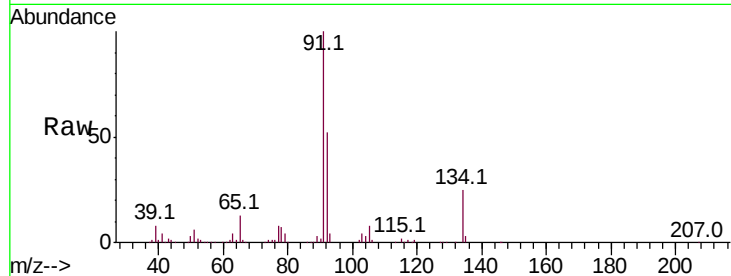




#85
n-Butylbenzene
Concen: 17.599 ug/l
RT: 13.59 min Scan# 3685
Delta R.T. -0.00 min
Lab File: VN064294.D
Acq: 23 Oct 2020 18:30

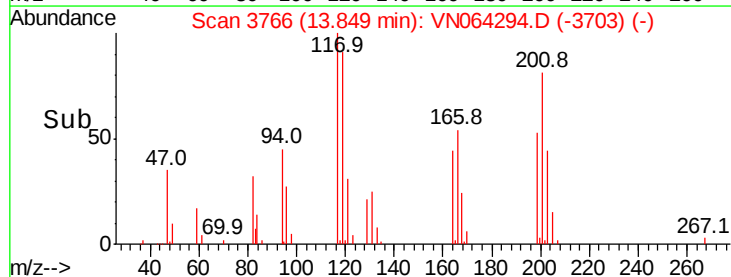
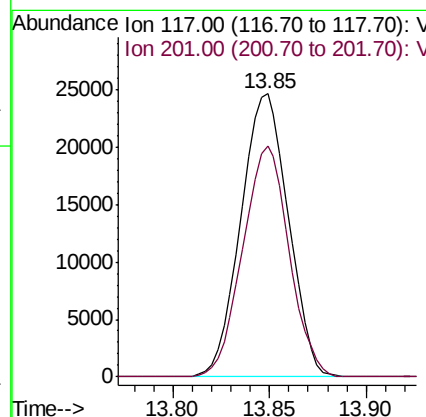
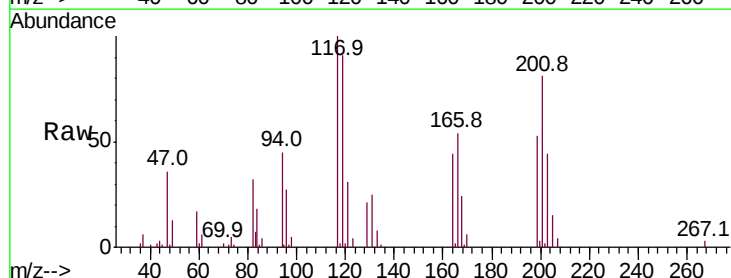
Instrument :
MSVOA_N
ClientSampleId :
VN1023WBS01

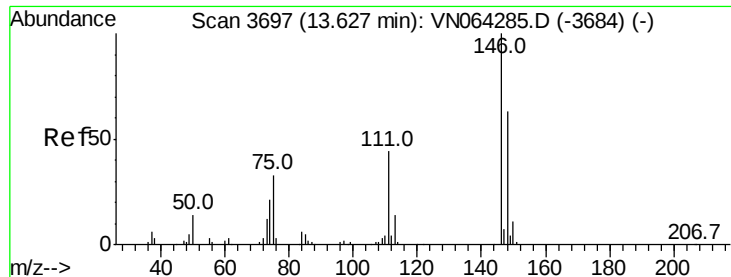
Tot Ion: 91 Resp: 218892
Ion Ratio Lower Upper
91 100
92 52.9 0.0 110.0
134 24.8 0.0 51.6



#86
Hexachloroethane
Concen: 17.667 ug/l
RT: 13.85 min Scan# 3766
Delta R.T. 0.00 min
Lab File: VN064294.D
Acq: 23 Oct 2020 18:30

Tgt Ion: 117 Resp: 42166
Ion Ratio Lower Upper
117 100
201 79.5 37.2 111.6





#87

1,2-Dichlorobenzene

Concen: 18.024 ug/l

RT: 13.63 min Scan# 3697

Delta R.T. -0.00 min

Lab File: VN064294.D

Acq: 23 Oct 2020 18:30

Instrument :

MSVOA_N

ClientSampleId :

VN1023WBS01

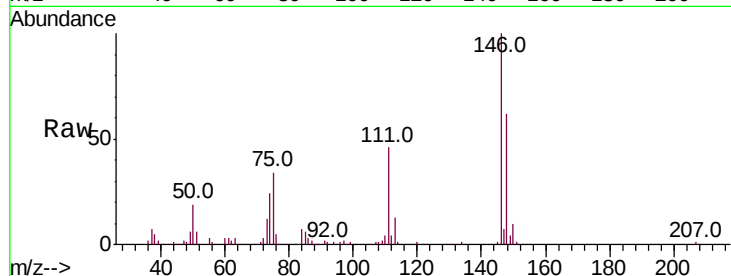
Tot Ion:146 Resp: 129256

Ion Ratio Lower Upper

146 100

111 45.9 23.1 69.3

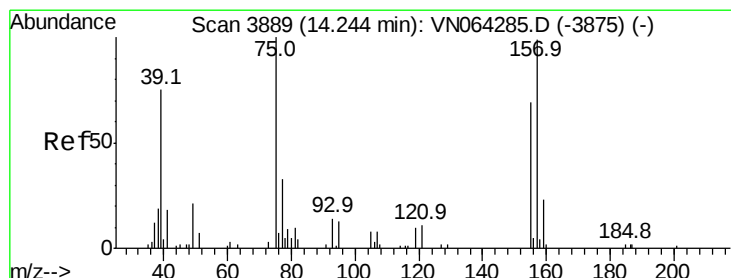
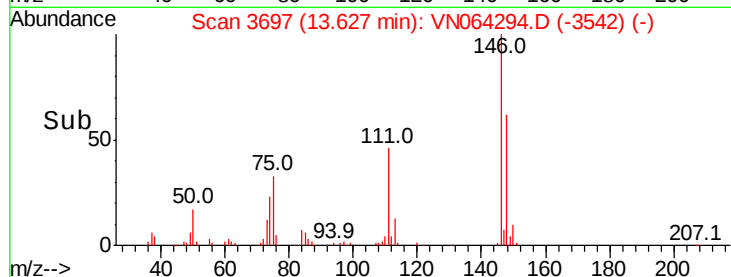
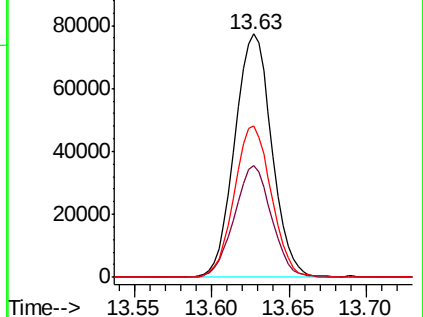
148 62.4 32.3 96.8



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: 18.520 ug/l

RT: 14.24 min Scan# 3889

Delta R.T. -0.00 min

Lab File: VN064294.D

Acq: 23 Oct 2020 18:30

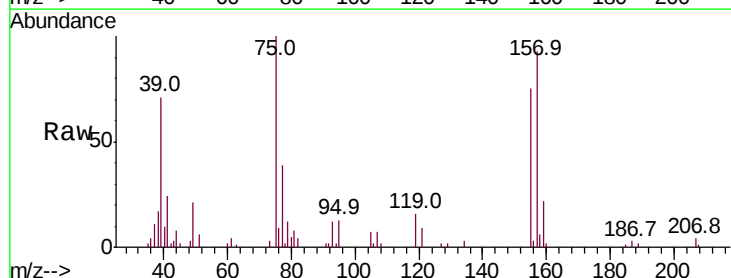
Tgt Ion: 75 Resp: 20736

Ion Ratio Lower Upper

75 100

155 73.4 56.6 84.8

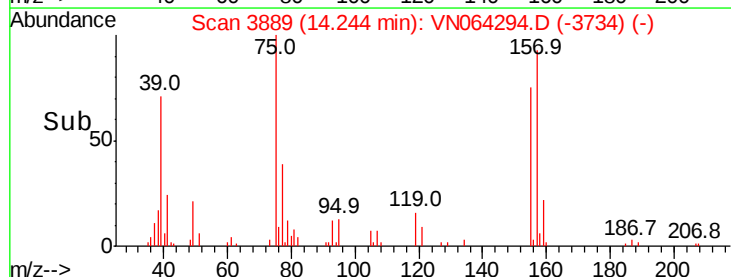
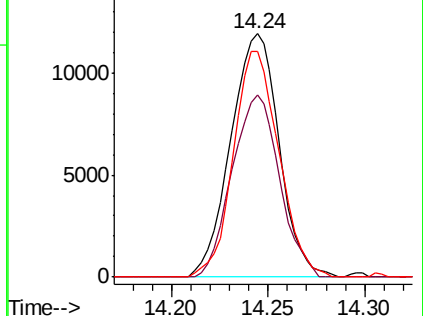
157 87.1 70.1 105.1

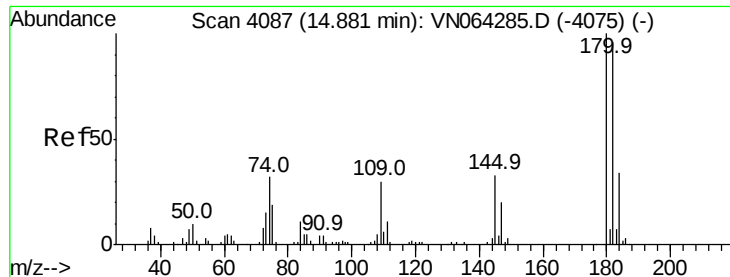


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

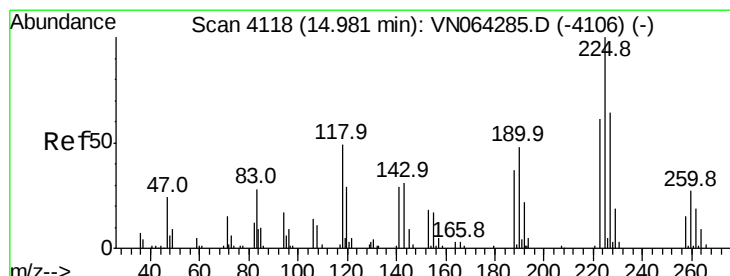
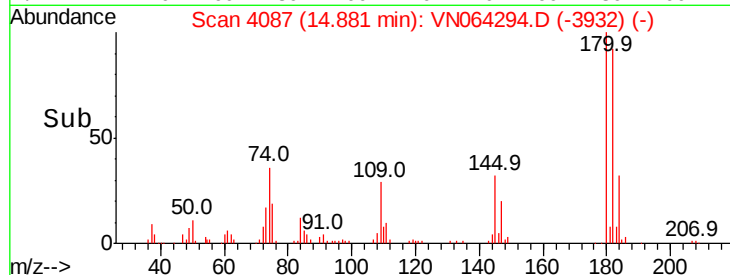
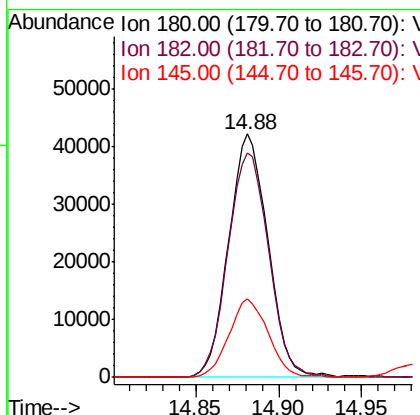
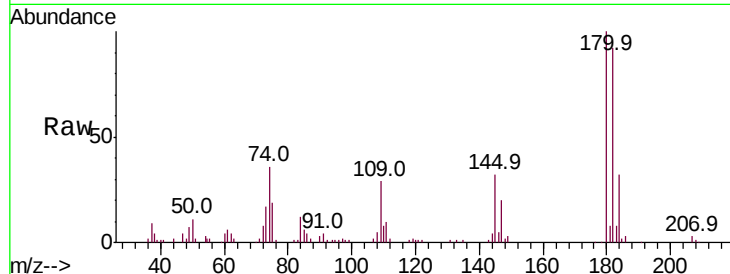




#89
 1,2,4-Trichlorobenzene
 Concen: 16.997 ug/l
 RT: 14.88 min Scan# 4087
 Delta R.T. -0.00 min
 Lab File: VN064294.D
 Acq: 23 Oct 2020 18:30

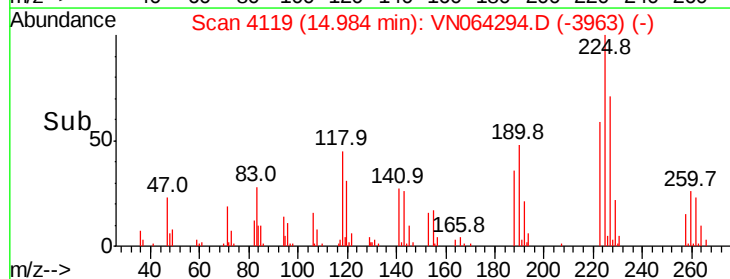
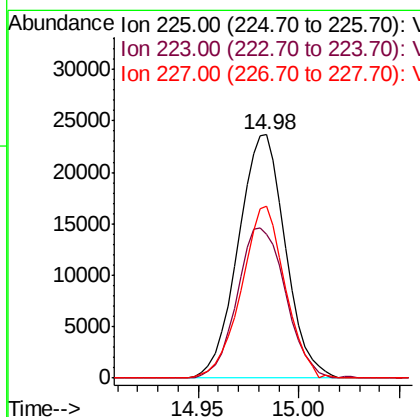
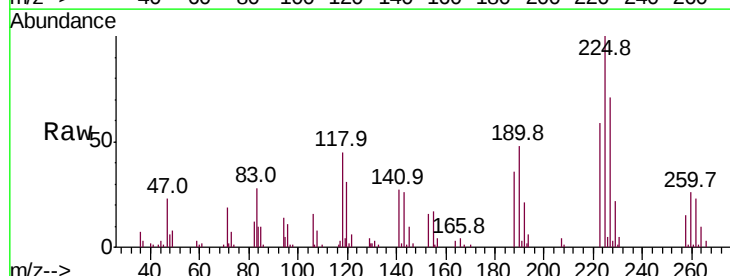
Instrument :
 MSVOA_N
 ClientSampled :
 VN1023WBS01

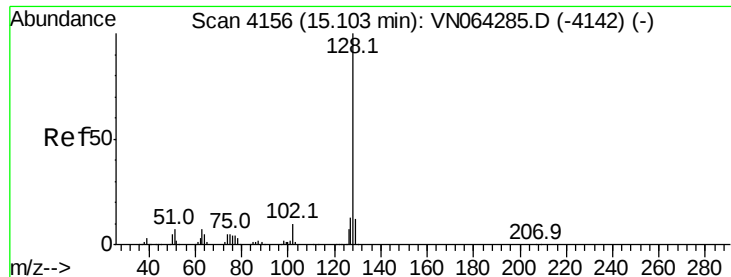
Tot Ion:180 Resp: 69533
 Ion Ratio Lower Upper
 180 100
 182 95.2 71.3 106.9
 145 32.1 23.9 35.9



#90
 Hexachlorobutadiene
 Concen: 17.317 ug/l
 RT: 14.98 min Scan# 4119
 Delta R.T. 0.00 min
 Lab File: VN064294.D
 Acq: 23 Oct 2020 18:30

Tgt Ion:225 Resp: 38790
 Ion Ratio Lower Upper
 225 100
 223 63.3 0.0 129.8
 227 65.2 0.0 128.6





#91

Naphthalene

Concen: 17.552 ug/l

RT: 15.10 min Scan# 4156

Delta R.T. -0.00 min

Lab File: VN064294.D

Acq: 23 Oct 2020 18:30

Instrument :

MSVOA_N

ClientSampleId :

VN1023WBS01

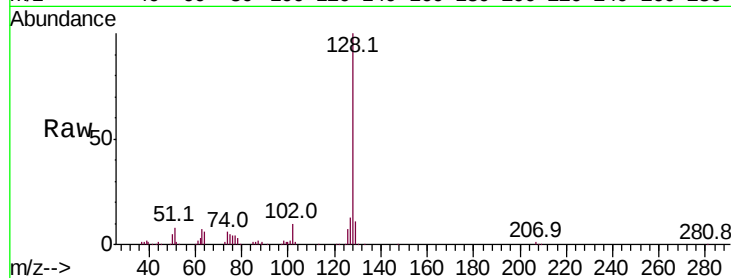
Tot Ion:128 Resp: 209973

Ion Ratio Lower Upper

128 100

127 13.7 9.9 14.9

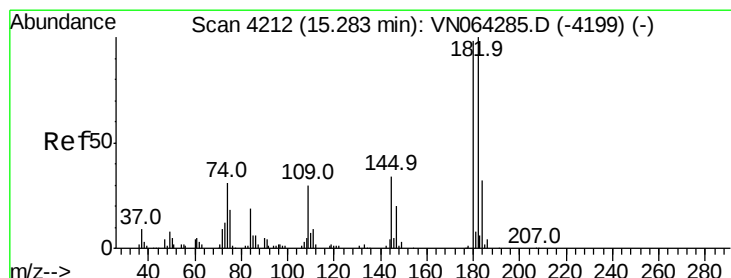
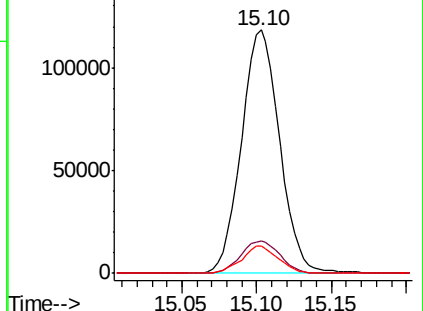
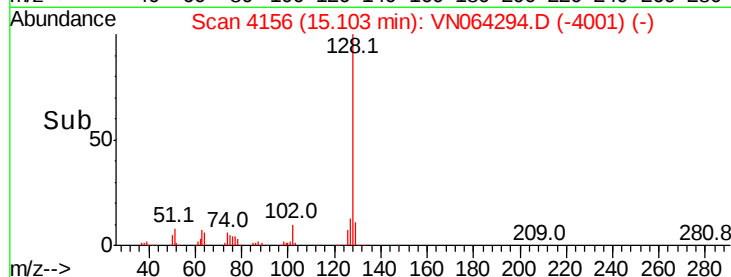
129 10.9 8.3 12.5



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: 17.258 ug/l

RT: 15.28 min Scan# 4212

Delta R.T. -0.00 min

Lab File: VN064294.D

Acq: 23 Oct 2020 18:30

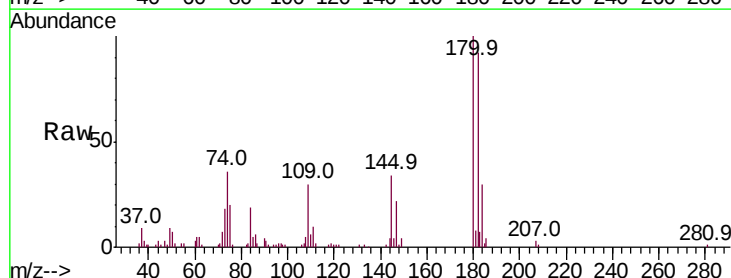
Tgt Ion:180 Resp: 67705

Ion Ratio Lower Upper

180 100

182 94.1 0.0 188.8

145 33.2 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

