

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102220\
 Data File : VN064270.D
 Acq On : 22 Oct 2020 23:13
 Operator : JC/MD
 Sample : VN1022MBS01
 Misc : 5.00µg/10mL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1022MBS01

Quant Time: Oct 23 02:05:10 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N102120W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 21 12:48:40 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	259259	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	437319	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	387565	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	184022	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.99	65	197611	51.33	ug/l	0.00
Spiked Amount			Recovery	=	102.66%	
35) Dibromofluoromethane	7.55	113	140597	48.36	ug/l	0.00
Spiked Amount			Recovery	=	96.72%	
50) Toluene-d8	10.06	98	518545	49.17	ug/l	0.00
Spiked Amount			Recovery	=	98.34%	
62) 4-Bromofluorobenzene	12.37	95	202454	47.35	ug/l	0.00
Spiked Amount			Recovery	=	94.70%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	60740	19.661	ug/l	99
3) Chloromethane	2.04	50	60628	20.233	ug/l	97
4) Vinyl Chloride	2.16	62	60801	20.466	ug/l	96
5) Bromomethane	2.54	94	36833	19.021	ug/l	99
6) Chloroethane	2.68	64	35028	19.369	ug/l	96
7) Trichlorofluoromethane	2.99	101	104873	21.467	ug/l	99
8) Diethyl Ether	3.37	74	33685	20.844	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.72	101	49513	19.599	ug/l	97
10) Methyl Iodide	3.92	142	65113	18.125	ug/l	97
11) Tert butyl alcohol	4.73	59	49237	95.534	ug/l #	77
12) 1,1-Dichloroethene	3.70	96	47073	19.373	ug/l	97
13) Acrolein	3.57	56	26357	81.468	ug/l	95
14) Allyl chloride	4.28	41	88175	18.131	ug/l	96
15) Acrylonitrile	4.93	53	107789	101.141	ug/l	99
16) Acetone	3.78	43	112749	102.347	ug/l	95
17) Carbon Disulfide	4.01	76	132471	19.113	ug/l	98
18) Methyl Acetate	4.28	43	56181	20.013	ug/l	100
19) Methyl tert-butyl Ether	4.99	73	167422	20.042	ug/l	97
20) Methylene Chloride	4.51	84	58285	19.841	ug/l	96
21) trans-1,2-Dichloroethene	4.99	96	52326	19.529	ug/l	97
22) Diisopropyl ether	5.90	45	168755	18.666	ug/l	94
23) Vinyl Acetate	5.84	43	786504	97.552	ug/l	100
24) 1,1-Dichloroethane	5.80	63	104206	19.897	ug/l	98
25) 2-Butanone	6.78	43	175815	100.452	ug/l	95
26) 2,2-Dichloropropane	6.78	77	88359	16.947	ug/l	100
27) cis-1,2-Dichloroethene	6.78	96	61180	19.607	ug/l	96
28) Bromochloromethane	7.16	49	46044	18.506	ug/l #	14
29) Tetrahydrofuran	7.17	42	105895	101.146	ug/l	100
30) Chloroform	7.33	83	112391	20.119	ug/l	100
31) Cyclohexane	7.61	56	82459	18.067	ug/l	98
32) 1,1,1-Trichloroethane	7.53	97	105223	20.106	ug/l	98
36) 1,1-Dichloropropene	7.75	75	82330	18.884	ug/l	98
37) Ethyl Acetate	6.88	43	77050	19.465	ug/l #	91
38) Carbon Tetrachloride	7.73	117	93103	18.769	ug/l	98

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 Quant Title : SW846 8260
 QLast Update : Wed Oct 21 12:48:40 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	72434	18.271	ug/l	96
40) Benzene	8.00	78	220892	18.354	ug/l	98
41) Methacrylonitrile	7.16	41	106452	51.266	ug/l #	19
42) 1,2-Dichloroethane	8.09	62	98922	19.187	ug/l	98
43) Isopropyl Acetate	8.13	43	140418	19.034	ug/l #	91
44) Trichloroethene	8.80	130	62377	19.020	ug/l	94
45) 1,2-Dichloropropane	9.08	63	60070	18.696	ug/l	97
46) Dibromomethane	9.17	93	42674	19.780	ug/l	97
47) Bromodichloromethane	9.37	83	90909	19.073	ug/l	99
48) Methyl methacrylate	9.17	41	69658	18.075	ug/l	98
49) 1,4-Dioxane	9.16	88	17228	382.074	ug/l	97
51) 4-Methyl-2-Pentanone	9.95	43	379446	96.238	ug/l	100
52) Toluene	10.13	92	136470	17.722	ug/l	93
53) t-1,3-Dichloropropene	10.35	75	99013	18.700	ug/l	99
54) cis-1,3-Dichloropropene	9.81	75	102161	18.325	ug/l	97
55) 1,1,2-Trichloroethane	10.53	97	55283	19.008	ug/l	96
56) Ethyl methacrylate	10.40	69	85370	18.983	ug/l	98
57) 1,3-Dichloropropane	10.68	76	97241	19.248	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.66	63	214702	92.714	ug/l	100
59) 2-Hexanone	10.72	43	271014	94.120	ug/l	100
60) Dibromochloromethane	10.87	129	67408	17.903	ug/l	99
61) 1,2-Dibromoethane	10.98	107	58263	18.984	ug/l	99
64) Tetrachloroethene	10.60	164	62091	19.900	ug/l	99
65) Chlorobenzene	11.41	112	151233	18.851	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.48	131	60050	18.858	ug/l	98
67) Ethyl Benzene	11.48	91	282463	19.159	ug/l	99
68) m/p-Xylenes	11.59	106	207507	37.988	ug/l	98
69) o-Xylene	11.92	106	101937	19.295	ug/l	99
70) Styrene	11.94	104	167028	18.862	ug/l	99
71) Bromoform	12.10	173	45601	18.538	ug/l #	98
73) Isopropylbenzene	12.22	105	266090	18.959	ug/l	99
74) N-amyl acetate	12.05	43	116613	19.228	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.48	83	71873	19.297	ug/l	98
76) 1,2,3-Trichloropropane	12.53	75	110851	28.574	ug/l #	100
77) Bromobenzene	12.50	156	65165	19.667	ug/l	96
78) n-propylbenzene	12.57	91	298359	18.854	ug/l	99
79) 2-Chlorotoluene	12.65	91	190191	19.567	ug/l	100
80) 1,3,5-Trimethylbenzene	12.71	105	225583	19.012	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.27	75	25792	16.785	ug/l	89
82) 4-Chlorotoluene	12.75	91	195569	19.289	ug/l	100
83) tert-Butylbenzene	12.97	119	184610	18.977	ug/l	98
84) 1,2,4-Trimethylbenzene	13.01	105	228886	19.381	ug/l	99
85) sec-Butylbenzene	13.14	105	240402	19.602	ug/l	99
86) p-Isopropyltoluene	13.26	119	211583	18.945	ug/l	98
87) 1,3-Dichlorobenzene	13.25	146	112455	19.074	ug/l	100
88) 1,4-Dichlorobenzene	13.34	146	110539	18.318	ug/l	95
89) n-Butylbenzene	13.59	91	184090	18.388	ug/l	99
90) Hexachloroethane	13.85	117	36170	17.882	ug/l	95
91) 1,2-Dichlorobenzene	13.62	146	108924	18.832	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.24	75	18141	19.523	ug/l	97

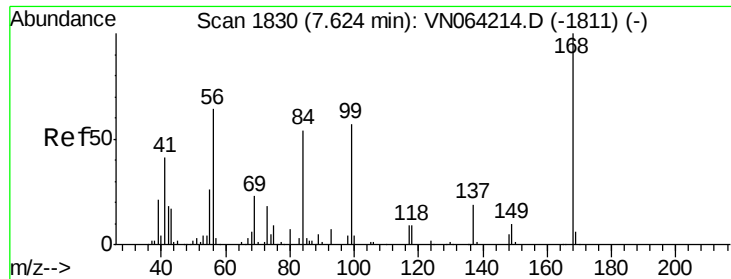
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN102220\
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Acq On : 22 Oct 2020 23:13
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Quant Time: Oct 23 02:05:10 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N102120W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 21 12:48:40 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	60458	18.637	ug/l	99
94) Hexachlorobutadiene	14.98	225	32507	18.579	ug/l	98
95) Naphthalene	15.10	128	186494	19.197	ug/l	100
96) 1,2,3-Trichlorobenzene	15.28	180	59338	18.468	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. -0.00 min

Lab File: VN064270.D

Acq: 22 Oct 2020 23:13

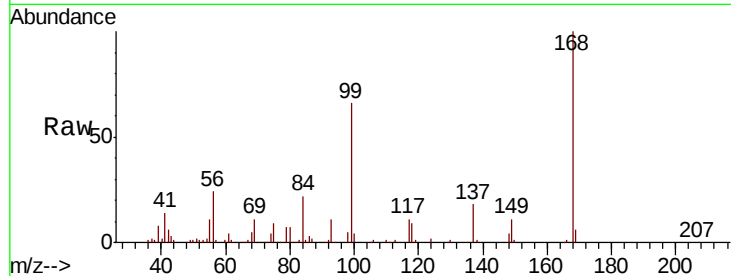
Instrument :
MSVOA_N
ClientSampleId :
VN1022MBS01

Tot Ion:168 Resp: 259259

Ion Ratio Lower Upper

168 100

99 65.7 54.0 81.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.62

120000

100000

80000

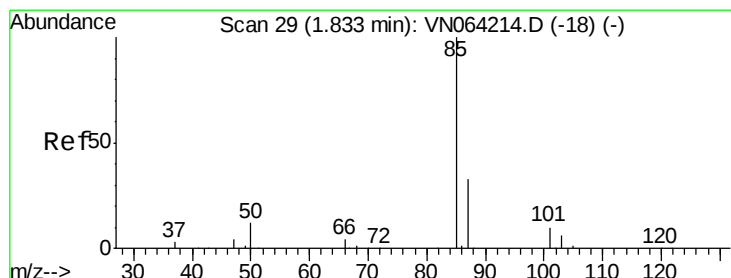
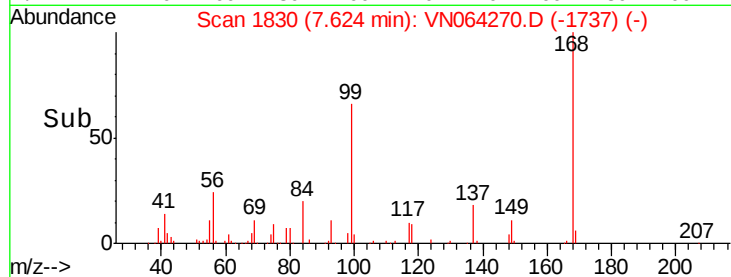
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 19.661 ug/l

RT: 1.83 min Scan# 29

Delta R.T. 0.00 min

Lab File: VN064270.D

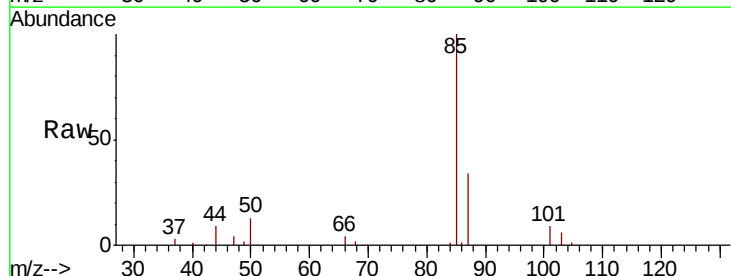
Acq: 22 Oct 2020 23:13

Tgt Ion: 85 Resp: 60740

Ion Ratio Lower Upper

85 100

87 33.7 16.6 49.8



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

50000

40000

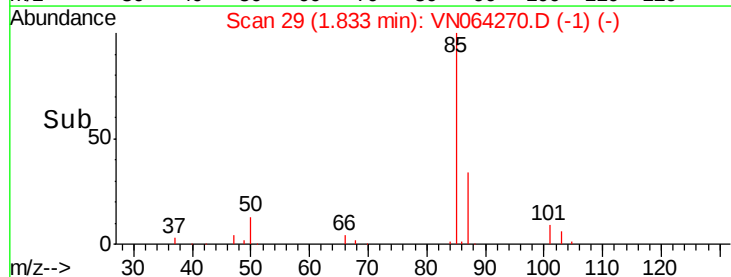
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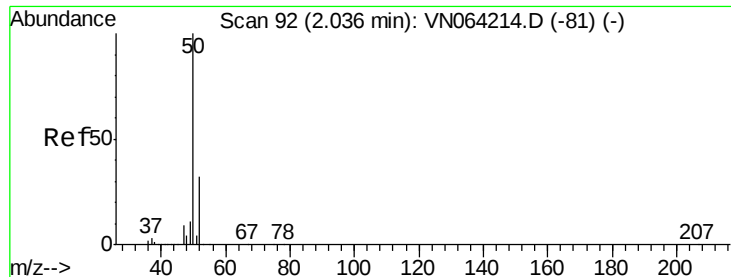
20000

10000

0

Time-->





#3

Chloromethane

Concen: 20.233 ug/l

RT: 2.04 min Scan# 93

Delta R.T. 0.00 min

Lab File: VN064270.D

Acq: 22 Oct 2020 23:13

Instrument :

MSVOA_N

ClientSampleId :

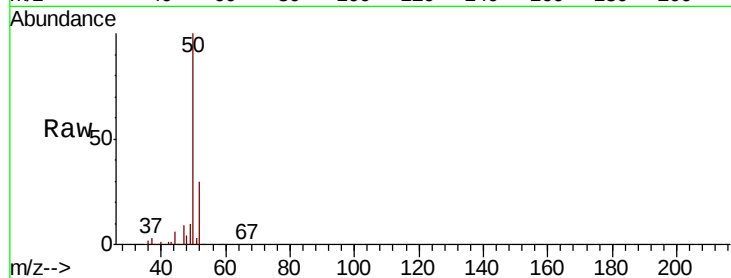
VN1022MBS01

Tot Ion: 50 Resp: 60628

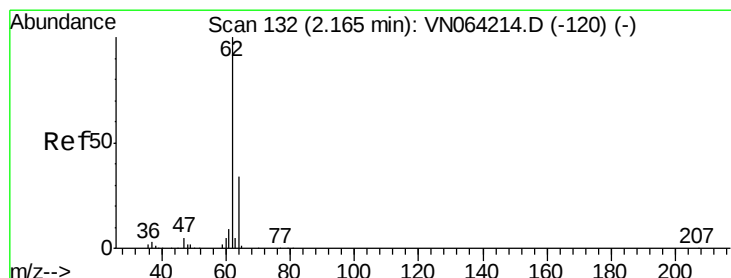
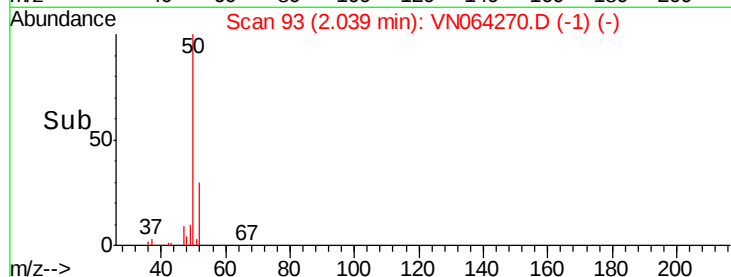
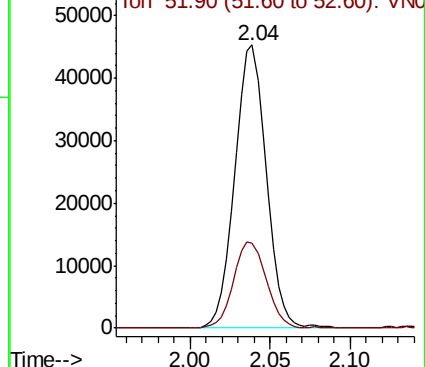
Ion Ratio Lower Upper

50 100

52 30.2 25.3 37.9



Abundance Ion 49.90 (49.60 to 50.60): VN064270.D (-1) (-)



#4

Vinyl Chloride

Concen: 20.466 ug/l

RT: 2.16 min Scan# 132

Delta R.T. -0.00 min

Lab File: VN064270.D

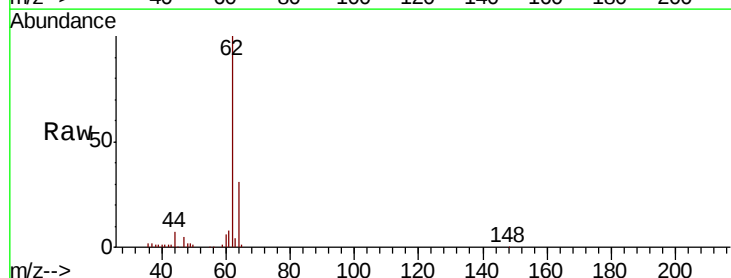
Acq: 22 Oct 2020 23:13

Tgt Ion: 62 Resp: 60801

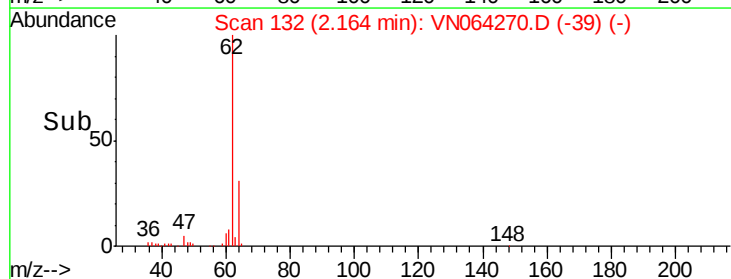
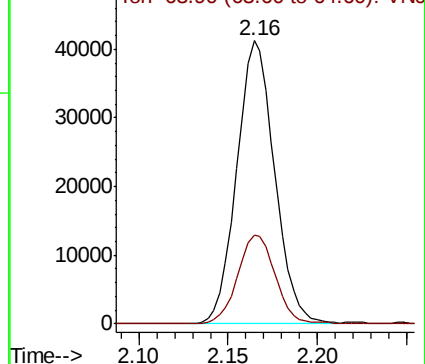
Ion Ratio Lower Upper

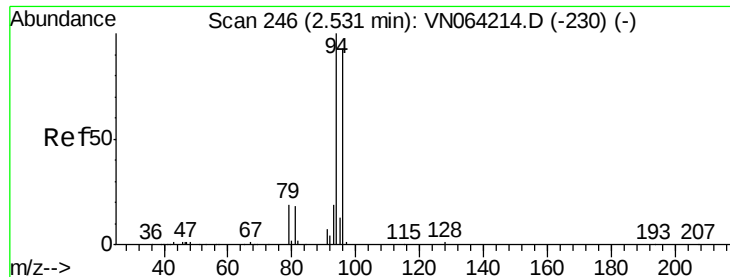
62 100

64 31.5 26.8 40.2



Abundance Ion 61.90 (61.60 to 62.60): VN064270.D (-39) (-)





#5

Bromomethane

Concen: 19.021 ug/l

RT: 2.54 min Scan# 248

Delta R.T. 0.01 min

Lab File: VN064270.D

Acq: 22 Oct 2020 23:13

Instrument :

MSVOA_N

ClientSampleId :

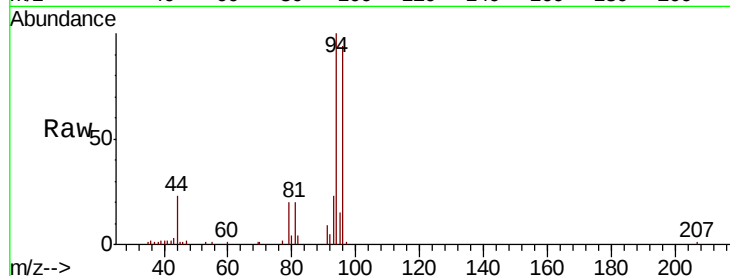
VN1022MBS01

Tot Ion: 94 Resp: 36833

Ion Ratio Lower Upper

94 100

96 93.8 74.2 111.4



Abundance Ion 93.90 (93.60 to 94.60): VN064270.D (-153) (-)

Ion 95.90 (95.60 to 96.60): VN064270.D (-153) (-)

2.54

20000

15000

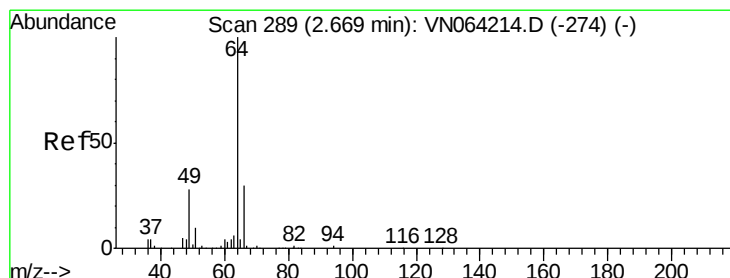
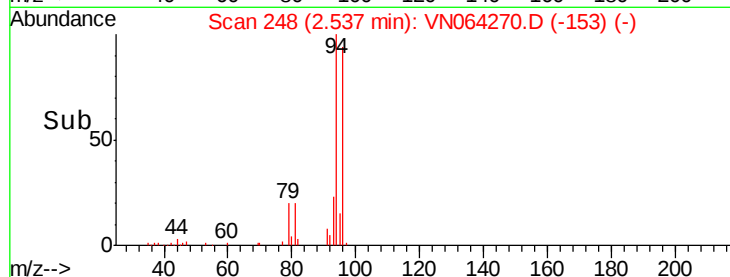
10000

5000

0

2.45 2.50 2.55 2.60

Time-->



#6

Chloroethane

Concen: 19.369 ug/l

RT: 2.68 min Scan# 291

Delta R.T. 0.01 min

Lab File: VN064270.D

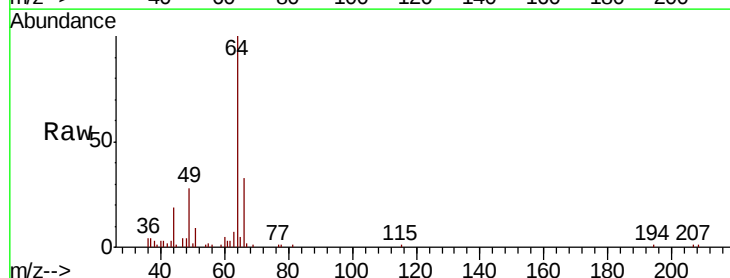
Acq: 22 Oct 2020 23:13

Tgt Ion: 64 Resp: 35028

Ion Ratio Lower Upper

64 100

66 32.9 24.5 36.7



Abundance Ion 63.90 (63.60 to 64.60): VN064270.D (-196) (-)

Ion 65.90 (65.60 to 66.60): VN064270.D (-196) (-)

2.68

20000

15000

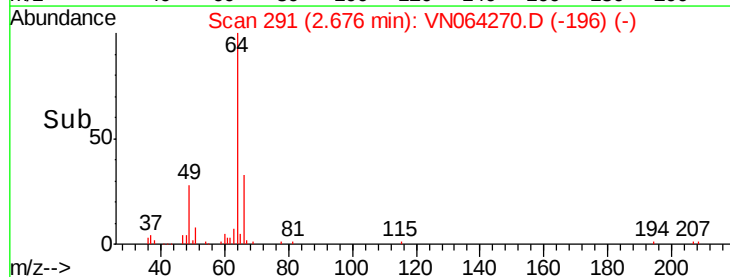
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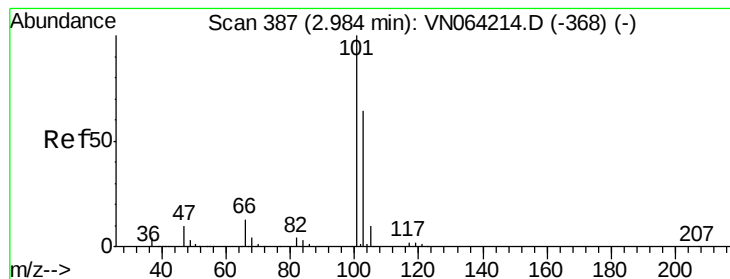
5000

0

2.60 2.65 2.70 2.75

Time-->



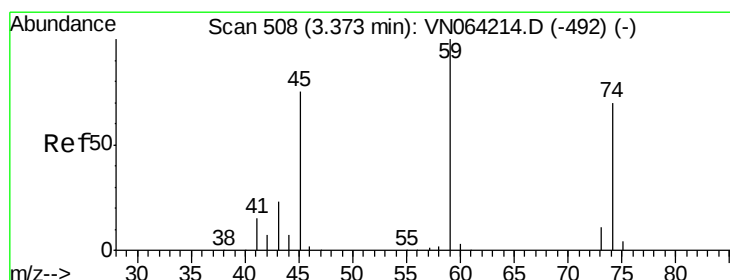
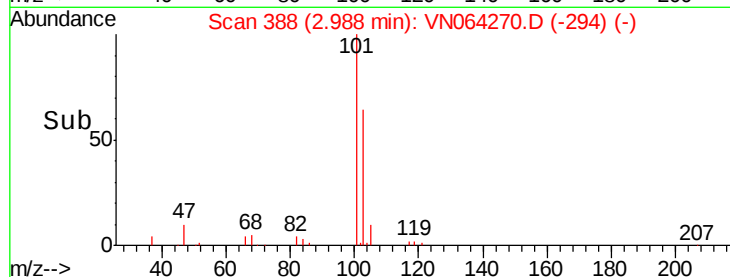
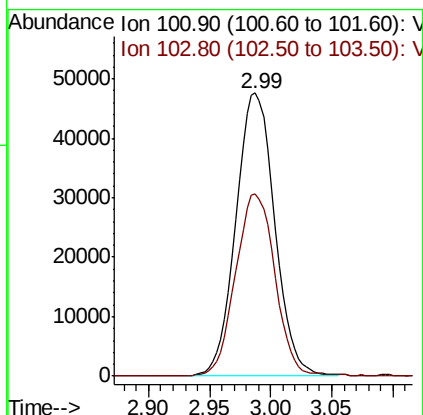
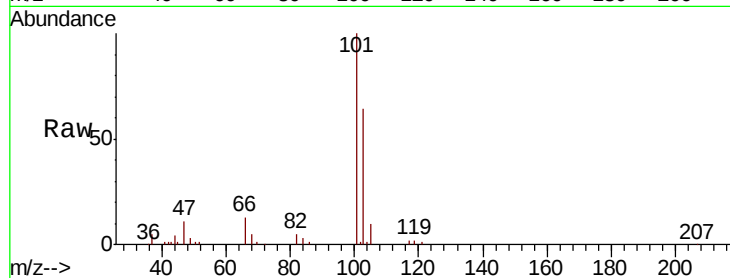


#7

Trichlorofluoromethane
 Concen: 21.467 ug/l
 RT: 2.99 min Scan# 388
 Delta R.T. 0.00 min
 Lab File: VN064270.D
 Acq: 22 Oct 2020 23:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1022MBS01

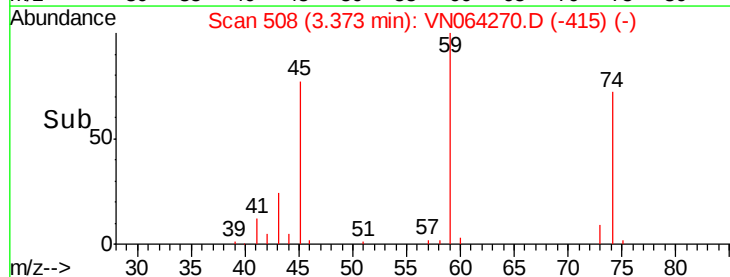
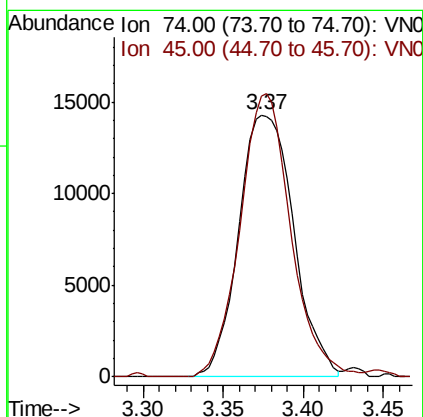
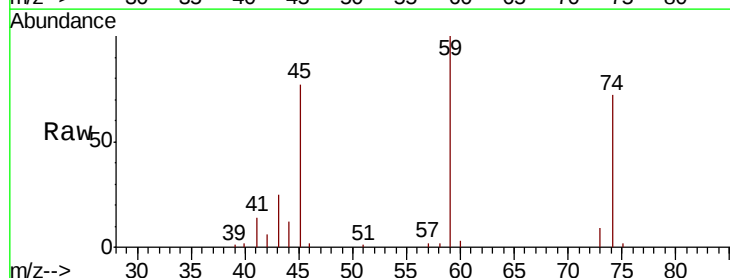
Tot Ion:101 Resp: 104873
 Ion Ratio Lower Upper
 101 100
 103 64.4 51.0 76.6

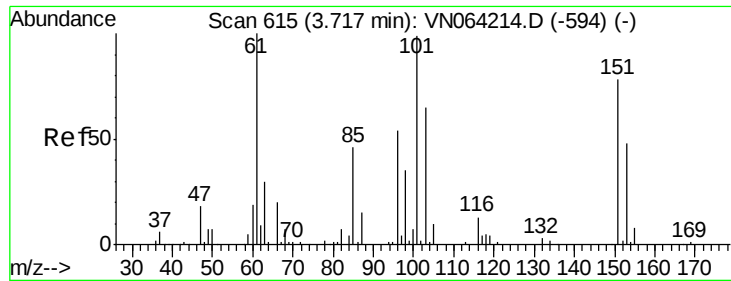


#8

Diethyl Ether
 Concen: 20.844 ug/l
 RT: 3.37 min Scan# 508
 Delta R.T. -0.00 min
 Lab File: VN064270.D
 Acq: 22 Oct 2020 23:13

Tgt Ion: 74 Resp: 33685
 Ion Ratio Lower Upper
 74 100
 45 99.8 51.3 154.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.599 ug/l

RT: 3.72 min Scan# 616

Delta R.T. 0.00 min

Lab File: VN064270.D

Acq: 22 Oct 2020 23:13

Instrument :

MSVOA_N

ClientSampleId :

VN1022MBS01

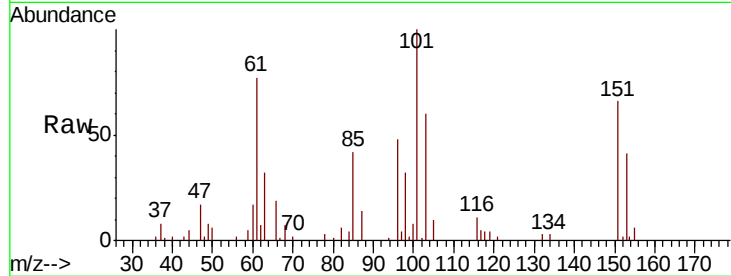
Tot Ion:101 Resp: 49513

Ion Ratio Lower Upper

101 100

85 48.1 37.8 56.8

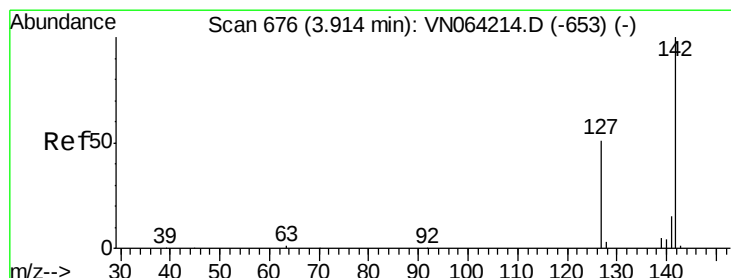
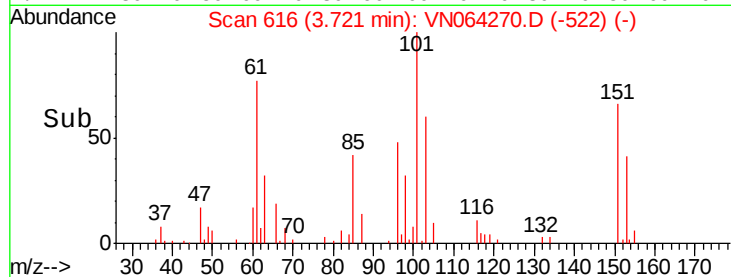
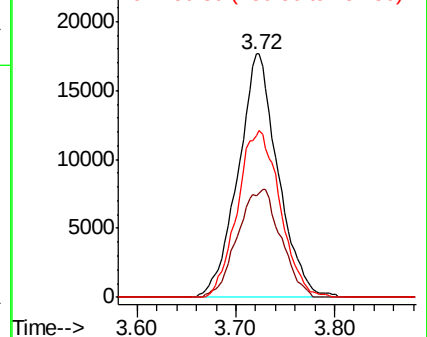
151 72.9 61.4 92.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 18.125 ug/l

RT: 3.92 min Scan# 677

Delta R.T. 0.00 min

Lab File: VN064270.D

Acq: 22 Oct 2020 23:13

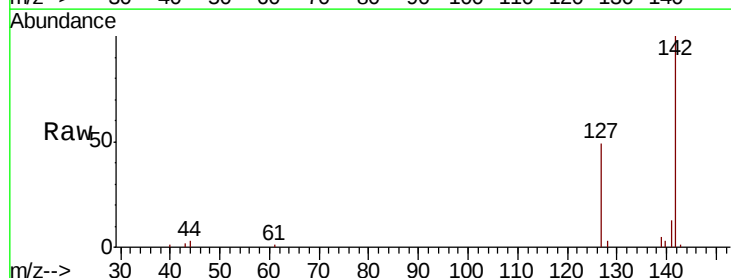
Tgt Ion:142 Resp: 65113

Ion Ratio Lower Upper

142 100

127 53.5 41.0 61.6

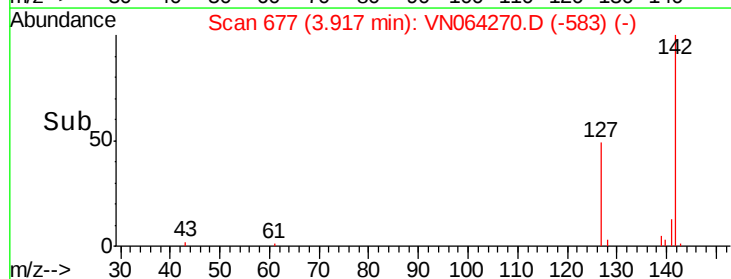
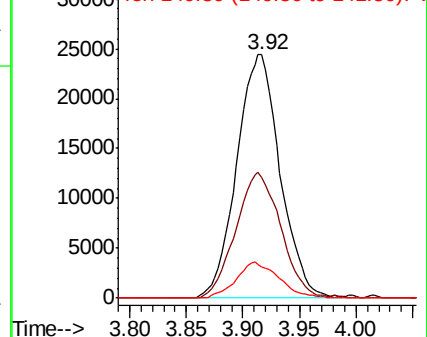
141 14.5 11.3 16.9

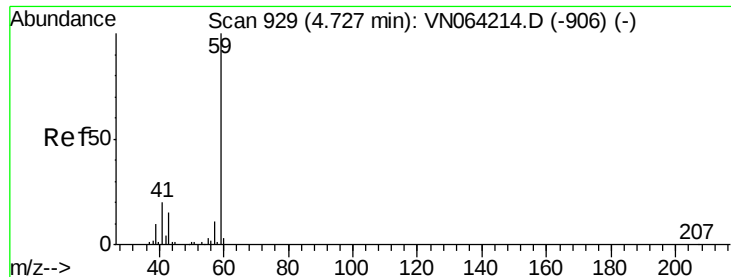


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



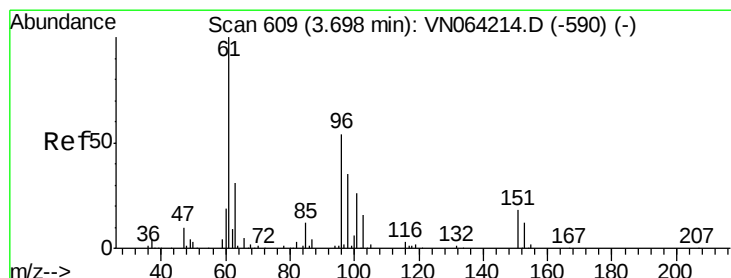
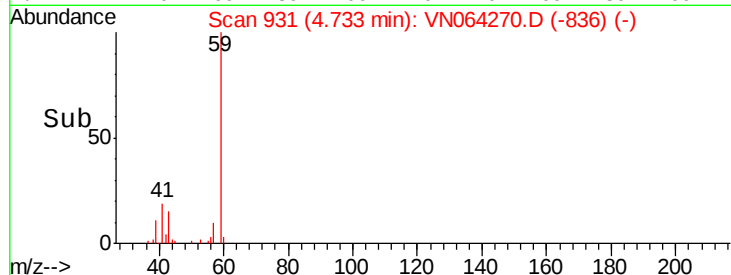
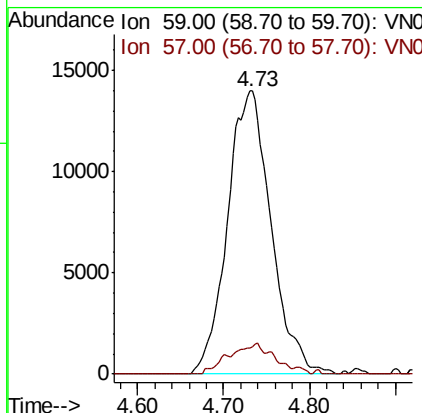
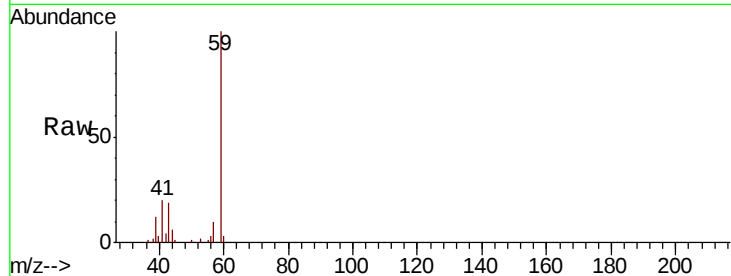


#11

Tert butyl alcohol
 Concen: 95.534 ug/l
 RT: 4.73 min Scan# 931
 Delta R.T. 0.01 min
 Lab File: VN064270.D
 Acq: 22 Oct 2020 23:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1022MBS01

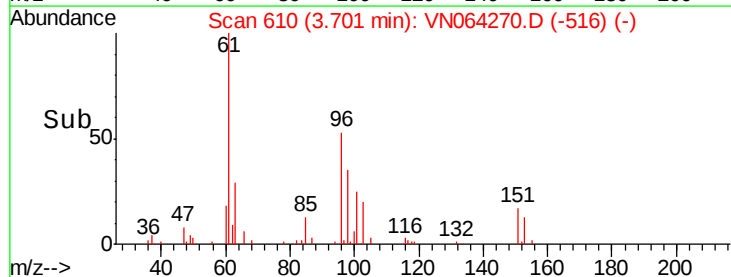
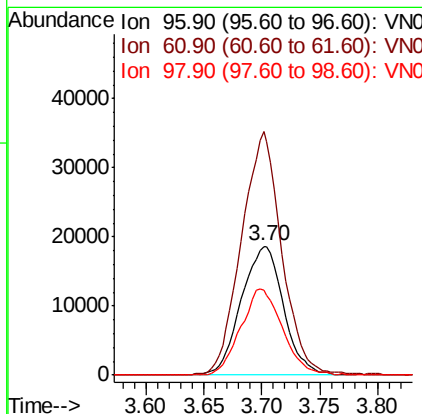
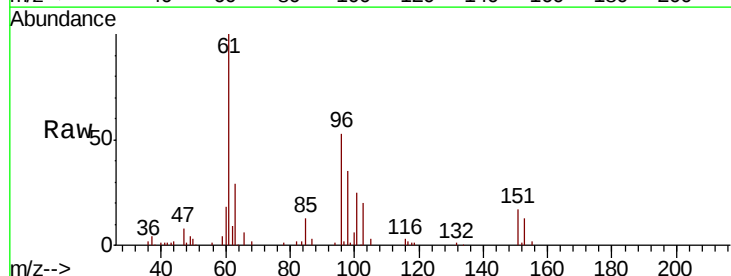
Tot Ion: 59 Resp: 49237
 Ion Ratio Lower Upper
 59 100
 57 2.9 9.2 13.8#

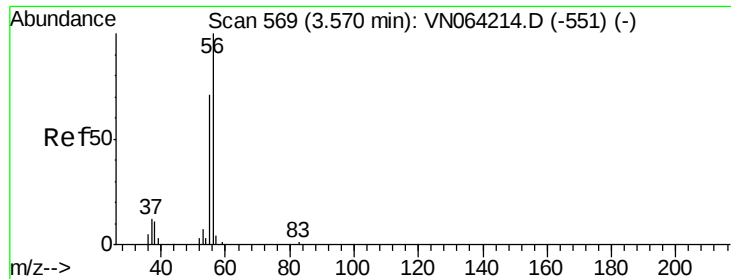


#12

1,1-Dichloroethene
 Concen: 19.373 ug/l
 RT: 3.70 min Scan# 610
 Delta R.T. 0.00 min
 Lab File: VN064270.D
 Acq: 22 Oct 2020 23:13

Tgt Ion: 96 Resp: 47073
 Ion Ratio Lower Upper
 96 100
 61 189.2 147.0 220.4
 98 65.7 51.7 77.5





#13

Acrolein

Concen: 81.468 ug/l

RT: 3.57 min Scan# 568

Delta R.T. -0.00 min

Lab File: VN064270.D

Acq: 22 Oct 2020 23:13

Instrument :

MSVOA_N

ClientSampleId :

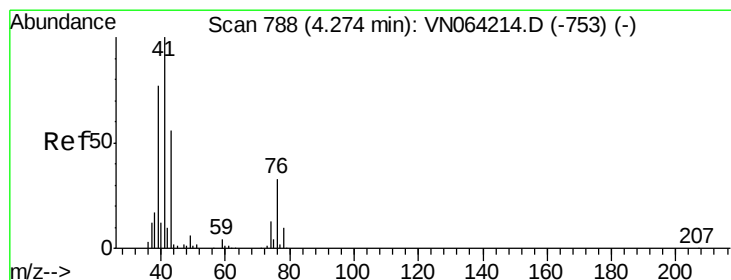
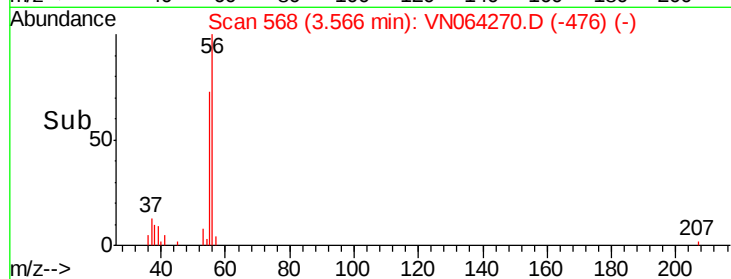
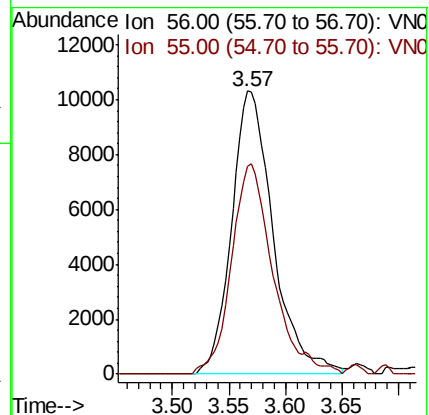
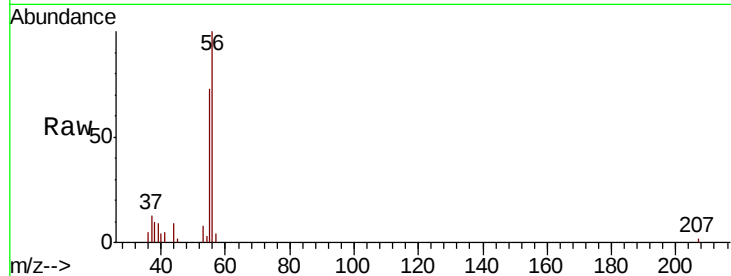
VN1022MBS01

Tot Ion: 56 Resp: 26357

Ion Ratio Lower Upper

56 100

55 73.8 56.1 84.1



#14

Allyl chloride

Concen: 18.131 ug/l

RT: 4.28 min Scan# 790

Delta R.T. 0.01 min

Lab File: VN064270.D

Acq: 22 Oct 2020 23:13

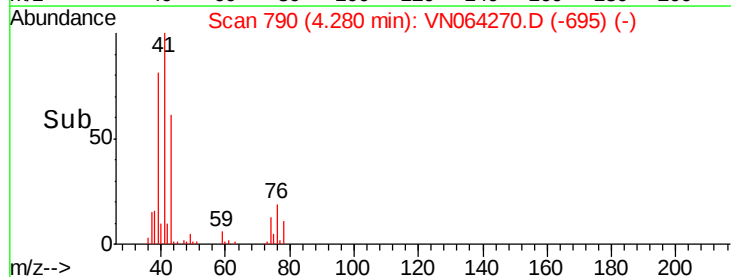
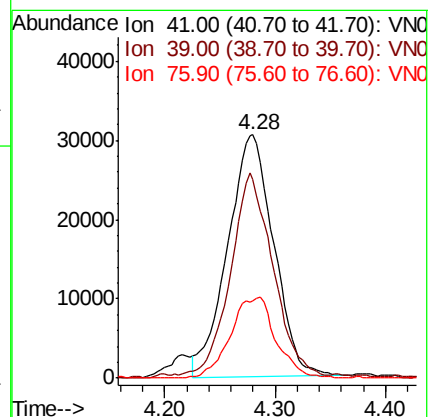
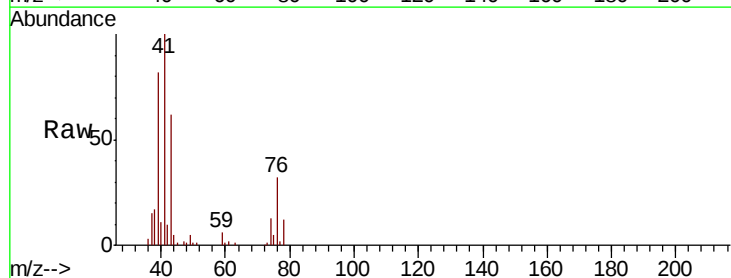
Tgt Ion: 41 Resp: 88175

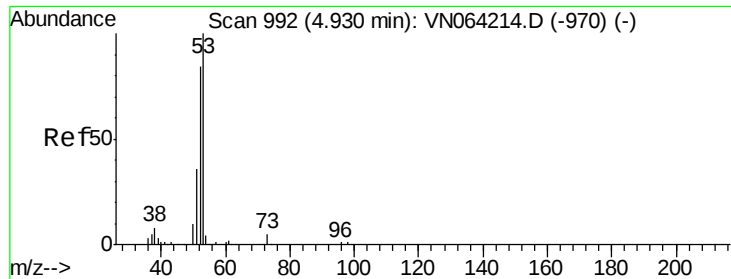
Ion Ratio Lower Upper

41 100

39 76.2 58.6 88.0

76 33.1 24.5 36.7





#15

Acrylonitrile

Concen: 101.141 ug/l

RT: 4.93 min Scan# 993

Delta R.T. 0.00 min

Lab File: VN064270.D

Acq: 22 Oct 2020 23:13

Instrument :

MSVOA_N

ClientSampleId :

VN1022MBS01

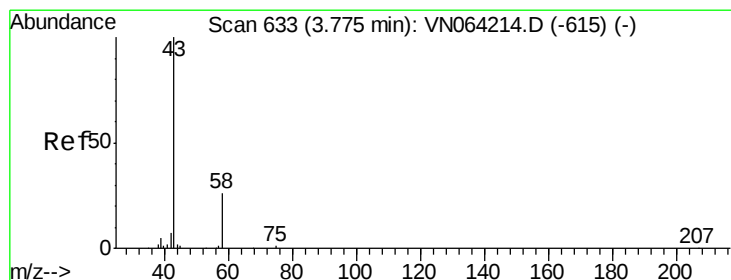
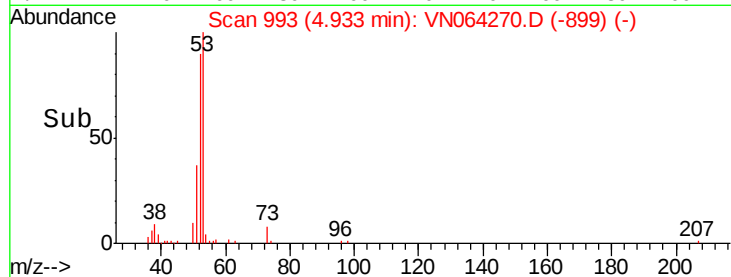
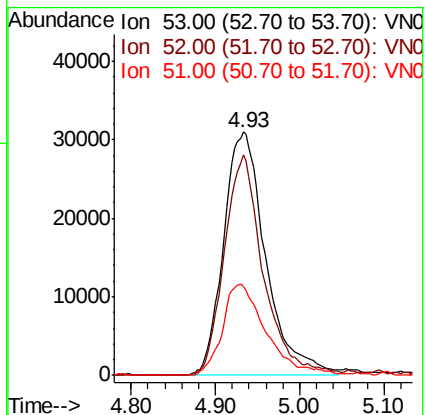
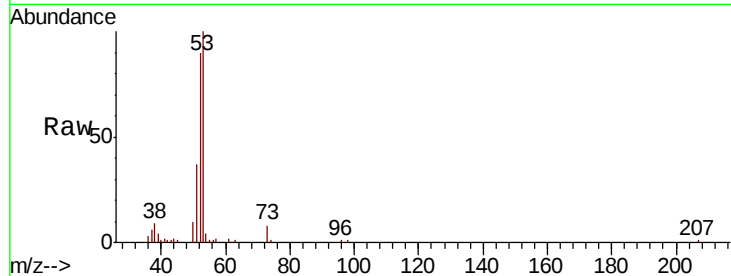
Tot Ion: 53 Resp: 107789

Ion Ratio Lower Upper

53 100

52 83.8 66.8 100.2

51 37.1 30.7 46.1



#16

Acetone

Concen: 102.347 ug/l

RT: 3.78 min Scan# 633

Delta R.T. -0.00 min

Lab File: VN064270.D

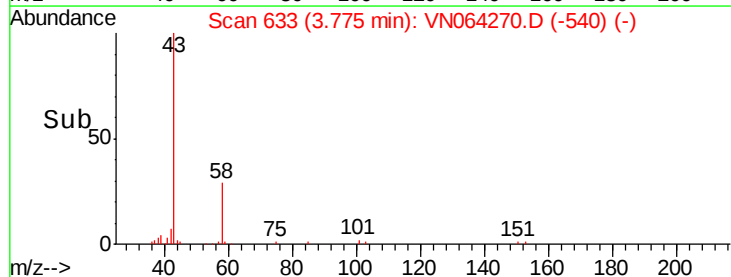
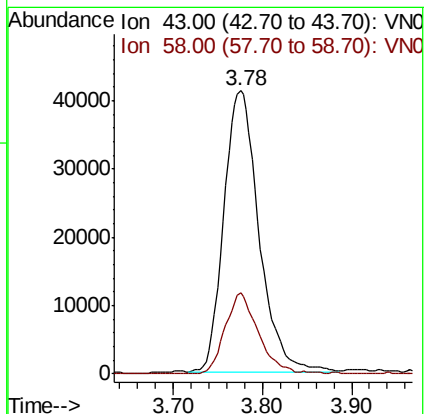
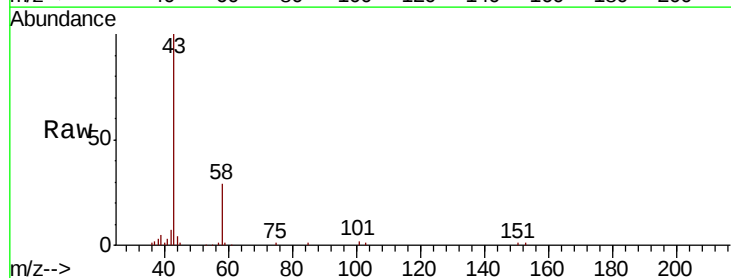
Acq: 22 Oct 2020 23:13

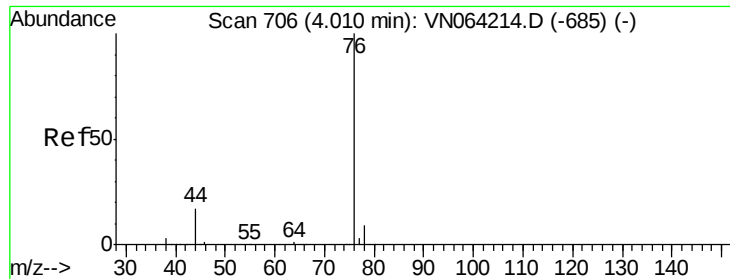
Tgt Ion: 43 Resp: 112749

Ion Ratio Lower Upper

43 100

58 28.7 21.0 31.4

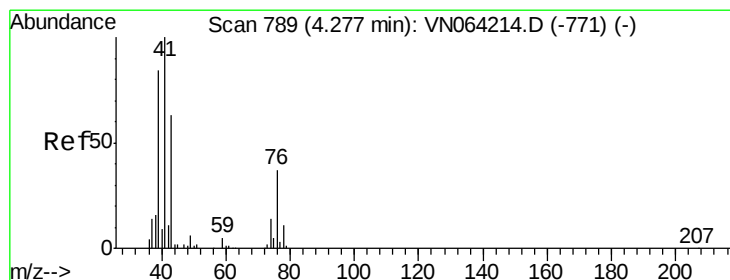
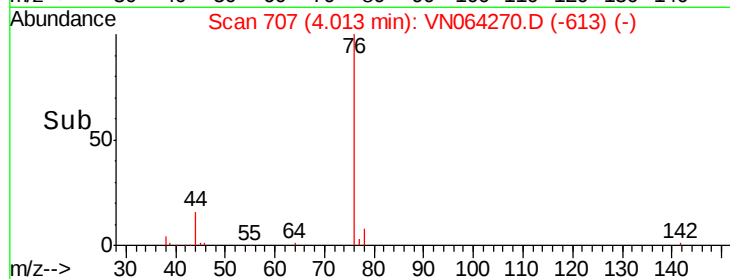
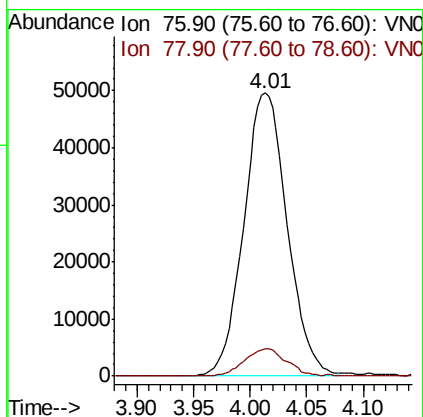
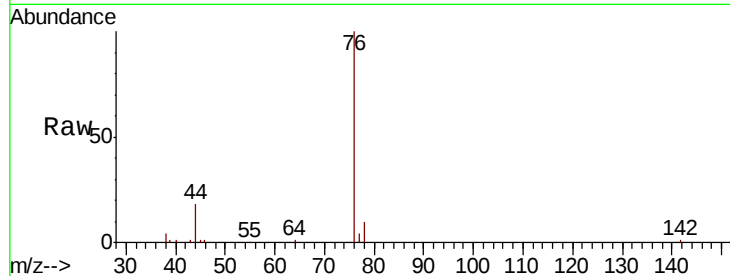




#17
Carbon Disulfide
Concen: 19.113 ug/l
RT: 4.01 min Scan# 707
Delta R.T. 0.00 min
Lab File: VN064270.D
Acq: 22 Oct 2020 23:13

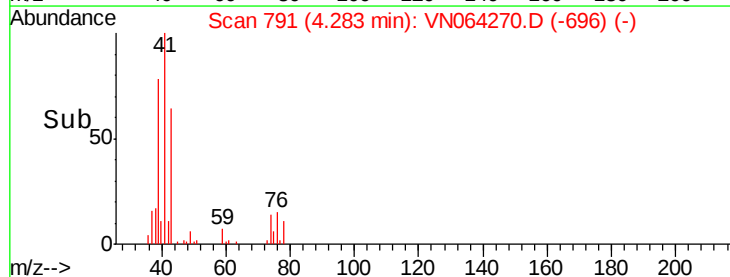
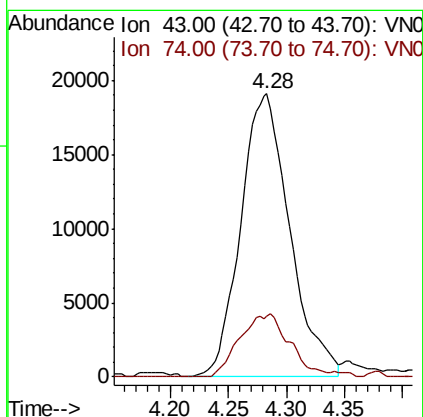
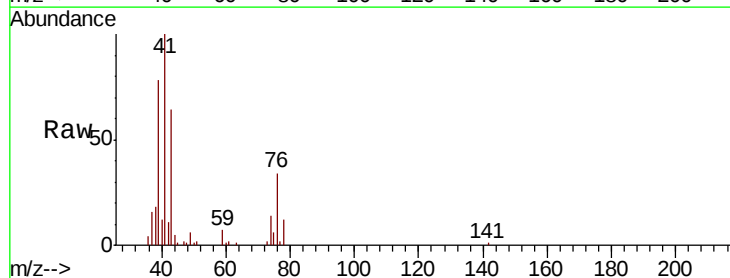
Instrument :
MSVOA_N
ClientSampled :
VN1022MBS01

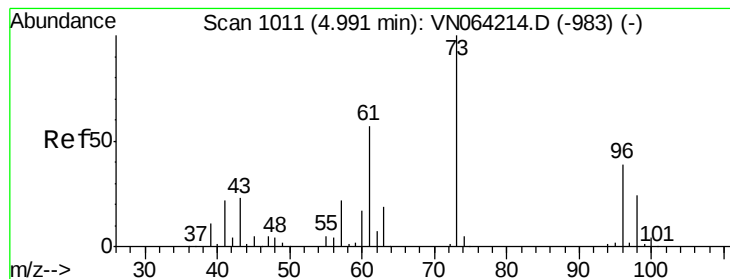
Tot Ion: 76 Resp: 132471
Ion Ratio Lower Upper
76 100
78 9.6 7.1 10.7



#18
Methyl Acetate
Concen: 20.013 ug/l
RT: 4.28 min Scan# 791
Delta R.T. 0.01 min
Lab File: VN064270.D
Acq: 22 Oct 2020 23:13

Tgt Ion: 43 Resp: 56181
Ion Ratio Lower Upper
43 100
74 22.5 17.9 26.9



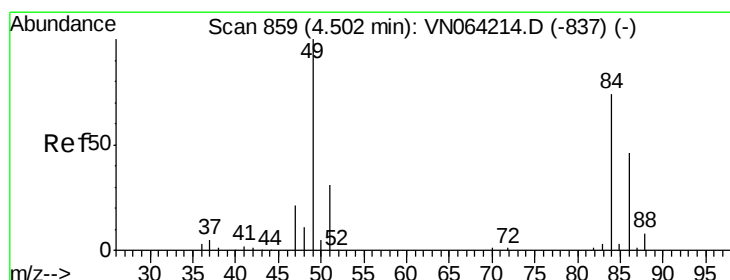
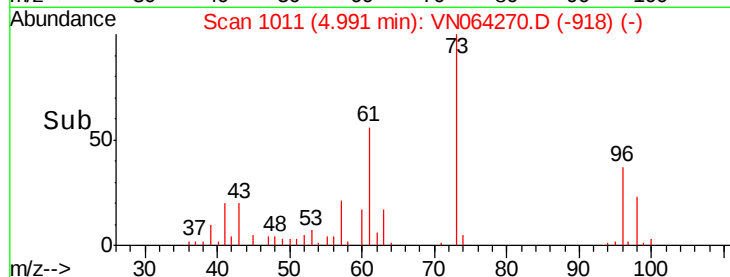
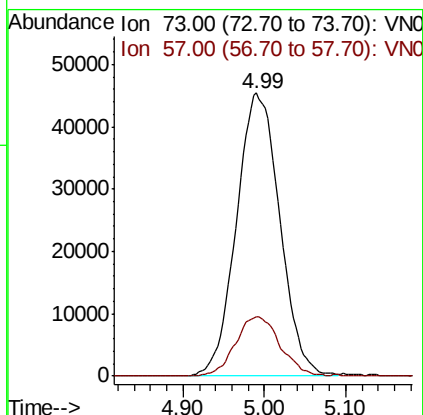
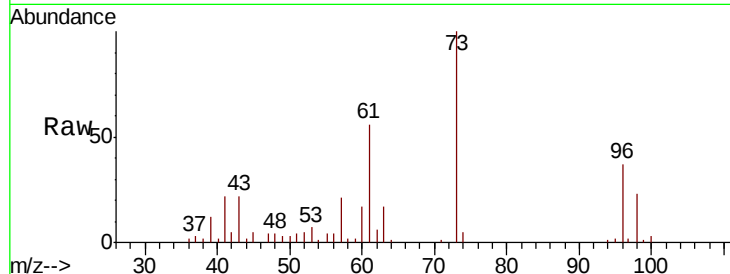


#19

Methyl tert-butyl Ether
 Concen: 20.042 ug/l
 RT: 4.99 min Scan# 1011
 Delta R.T. -0.00 min
 Lab File: VN064270.D
 Acq: 22 Oct 2020 23:13

Instrument :
 MSVOA_N
 ClientSampled :
 VN1022MBS01

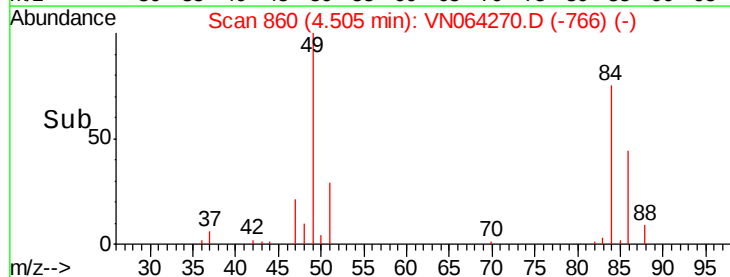
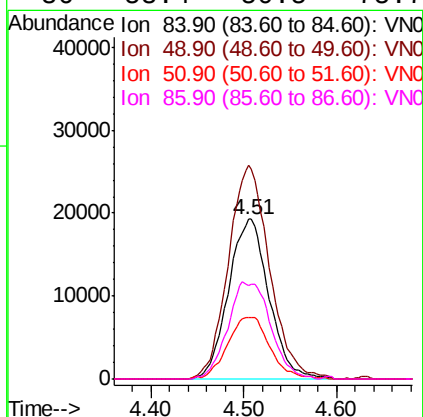
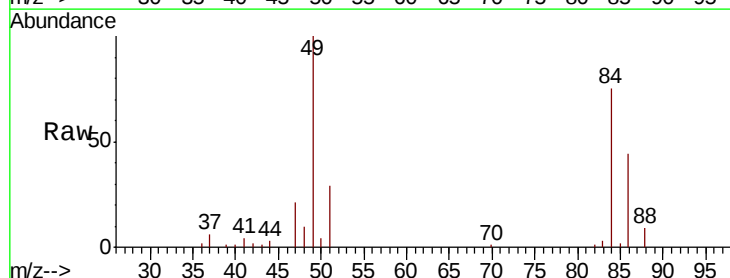
Tot Ion: 73 Resp: 167422
 Ion Ratio Lower Upper
 73 100
 57 21.1 18.0 27.0

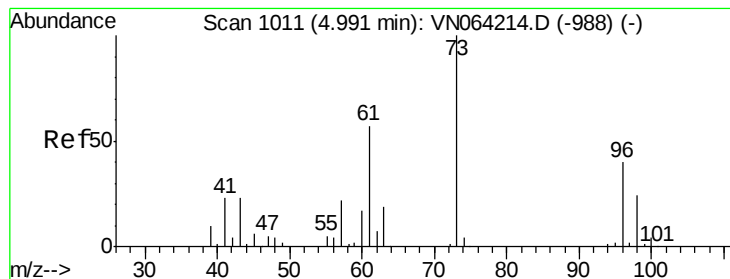


#20

Methylene Chloride
 Concen: 19.841 ug/l
 RT: 4.51 min Scan# 860
 Delta R.T. 0.00 min
 Lab File: VN064270.D
 Acq: 22 Oct 2020 23:13

Tgt Ion: 84 Resp: 58285
 Ion Ratio Lower Upper
 84 100
 49 133.6 108.5 162.7
 51 38.3 33.8 50.8
 86 58.4 50.5 75.7





#21

trans-1,2-Dichloroethene

Concen: 19.529 ug/l

RT: 4.99 min Scan# 1010

Delta R.T. -0.00 min

Lab File: VN064270.D

Acq: 22 Oct 2020 23:13

Instrument :

MSVOA_N

ClientSampleId :

VN1022MBS01

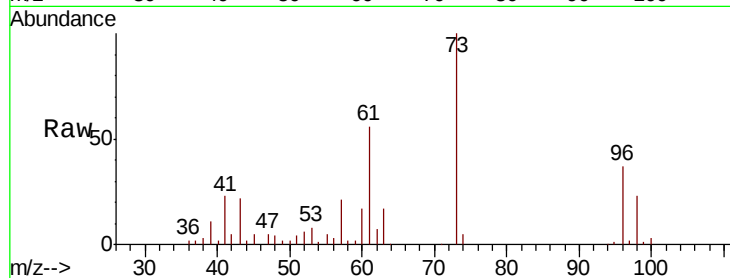
Tot Ion: 96 Resp: 52326

Ion Ratio Lower Upper

96 100

61 149.9 115.8 173.6

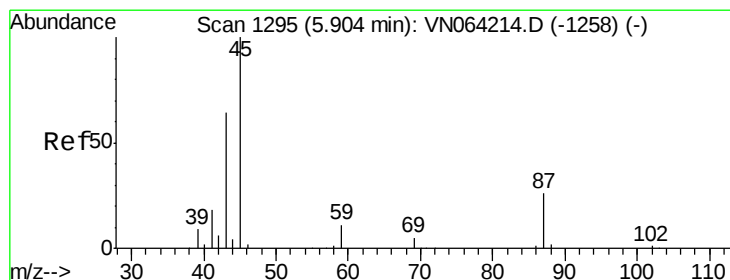
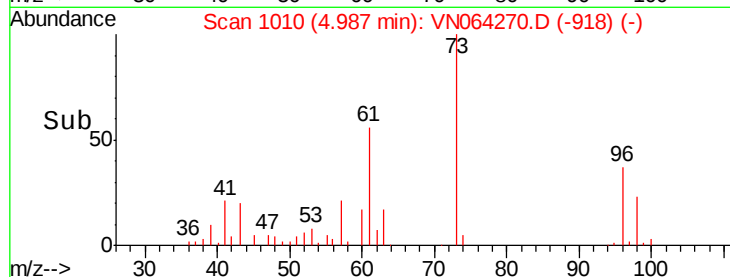
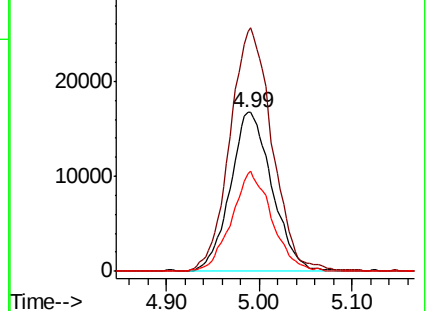
98 61.3 49.4 74.0



Abundance Ion 95.90 (95.60 to 96.60): VN064270.D (-1202) (-)

Ion 60.90 (60.60 to 61.60): VN064270.D (-1202) (-)

Ion 97.90 (97.60 to 98.60): VN064270.D (-1202) (-)



#22

Diisopropyl ether

Concen: 18.666 ug/l

RT: 5.90 min Scan# 1295

Delta R.T. -0.00 min

Lab File: VN064270.D

Acq: 22 Oct 2020 23:13

Tgt Ion: 45 Resp: 168755

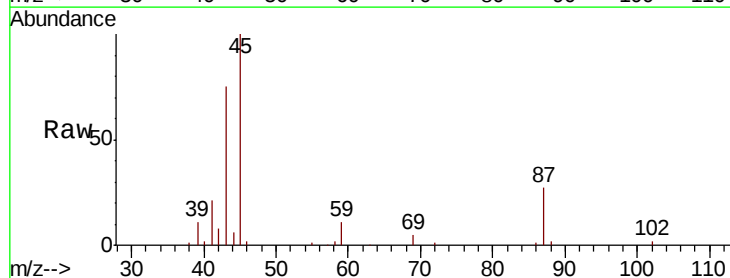
Ion Ratio Lower Upper

45 100

43 71.9 52.2 78.4

87 27.2 21.4 32.0

59 10.0 8.3 12.5

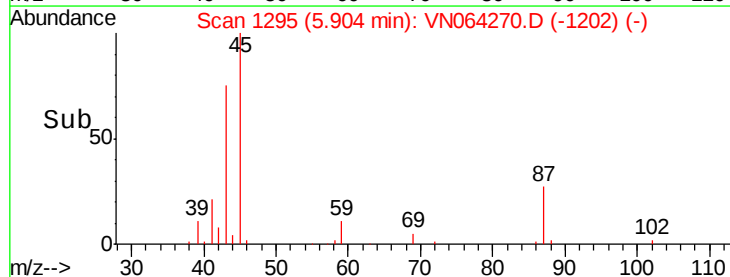
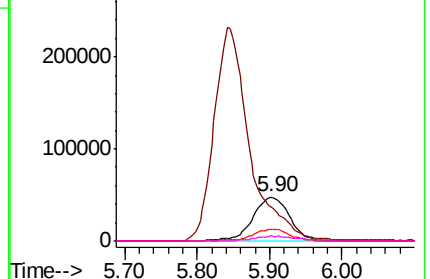


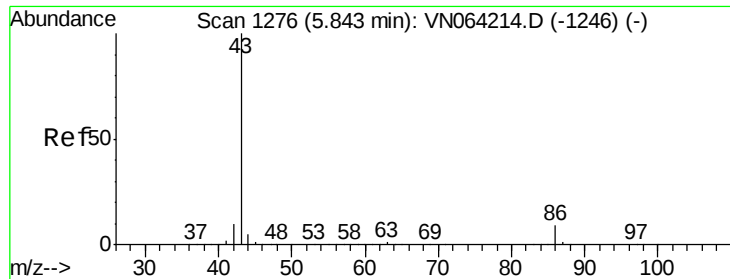
Abundance Ion 45.00 (44.70 to 45.70): VN064270.D (-1202) (-)

Ion 43.00 (42.70 to 43.70): VN064270.D (-1202) (-)

Ion 87.00 (86.70 to 87.70): VN064270.D (-1202) (-)

Ion 59.00 (58.70 to 59.70): VN064270.D (-1202) (-)

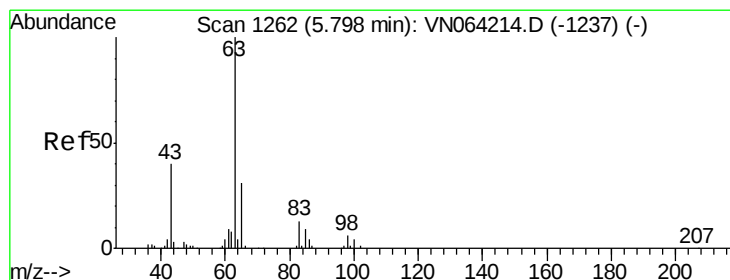
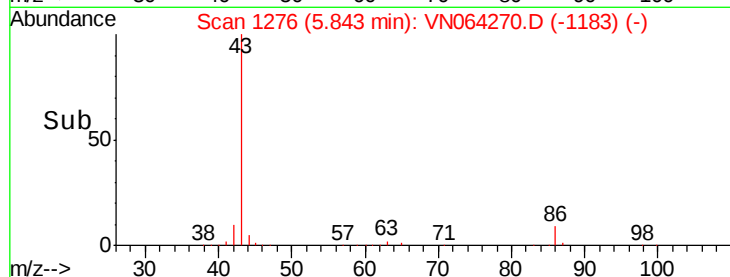
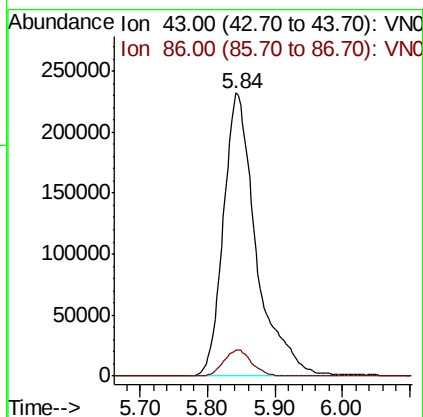
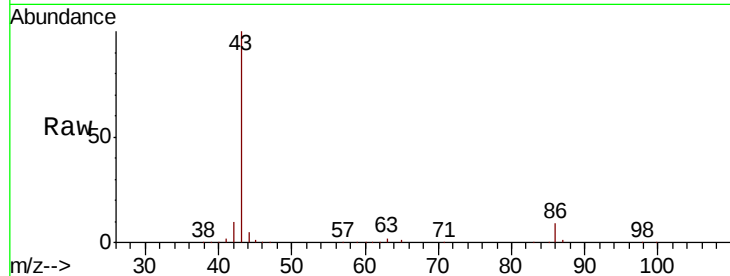




#23
 Vinyl Acetate
 Concen: 97.552 ug/l
 RT: 5.84 min Scan# 1276
 Delta R.T. -0.00 min
 Lab File: VN064270.D
 Acq: 22 Oct 2020 23:13

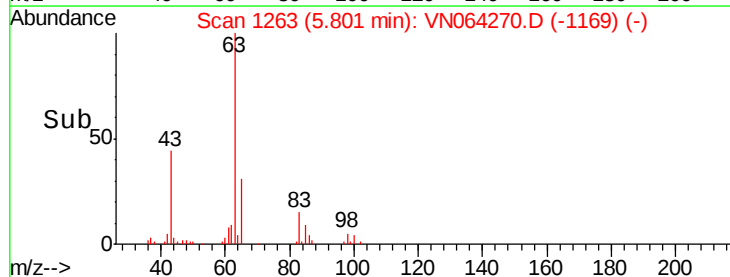
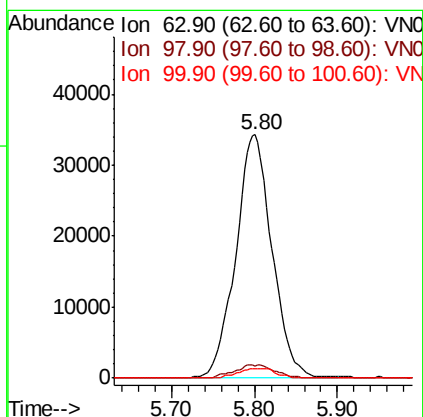
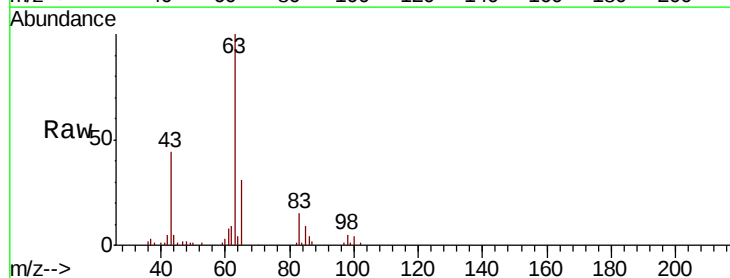
Instrument :
 MSVOA_N
 ClientSampled :
 VN1022MBS01

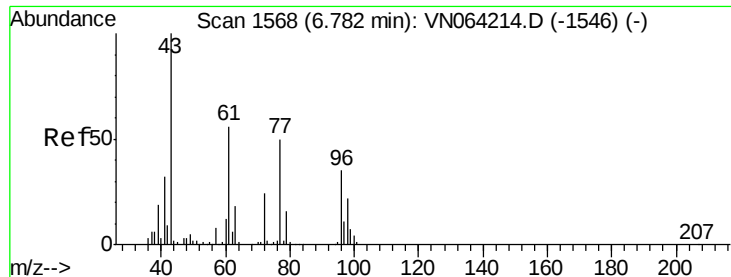
Tot Ion: 43 Resp: 786504
 Ion Ratio Lower Upper
 43 100
 86 9.4 7.4 11.0



#24
 1,1-Dichloroethane
 Concen: 19.897 ug/l
 RT: 5.80 min Scan# 1263
 Delta R.T. 0.00 min
 Lab File: VN064270.D
 Acq: 22 Oct 2020 23:13

Tgt Ion: 63 Resp: 104206
 Ion Ratio Lower Upper
 63 100
 98 5.1 2.9 8.7
 100 3.7 2.0 6.0





#25

2-Butanone

Concen: 100.452 ug/l

RT: 6.78 min Scan# 1569

Delta R.T. 0.00 min

Lab File: VN064270.D

Acq: 22 Oct 2020 23:13

Instrument :

MSVOA_N

ClientSampleId :

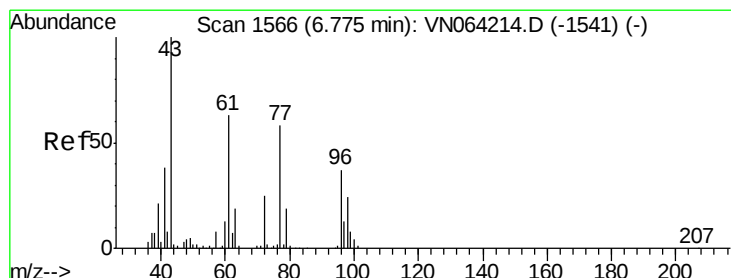
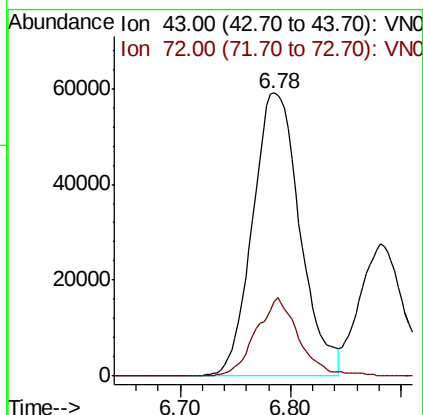
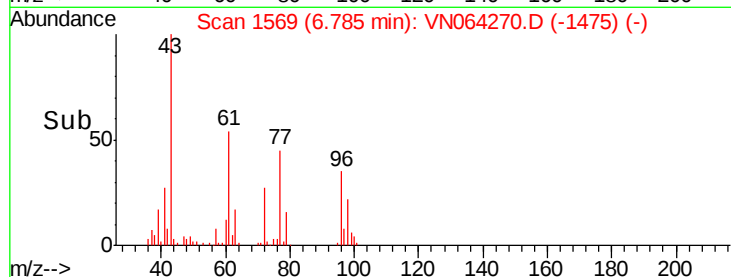
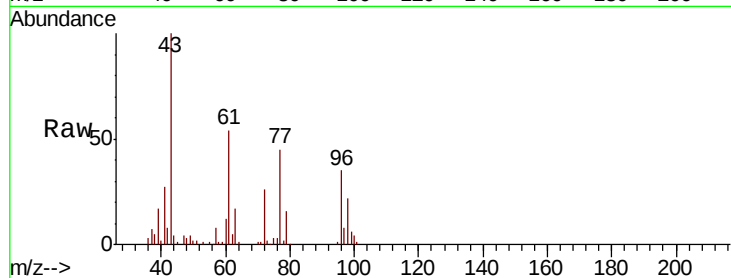
VN1022MBS01

Tot Ion: 43 Resp: 175815

Ion Ratio Lower Upper

43 100

72 26.5 19.4 29.0



#26

2,2-Dichloropropane

Concen: 16.947 ug/l

RT: 6.78 min Scan# 1566

Delta R.T. -0.00 min

Lab File: VN064270.D

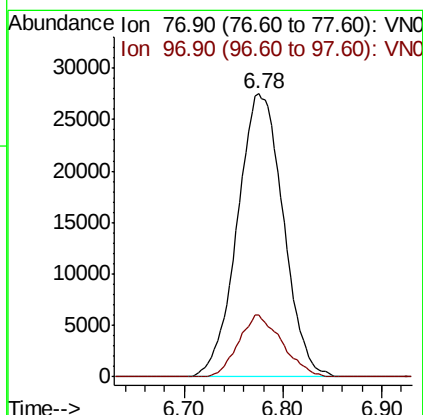
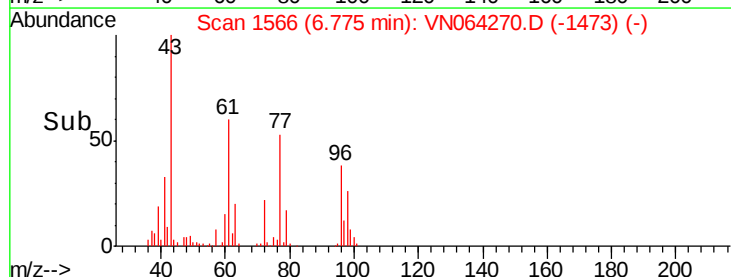
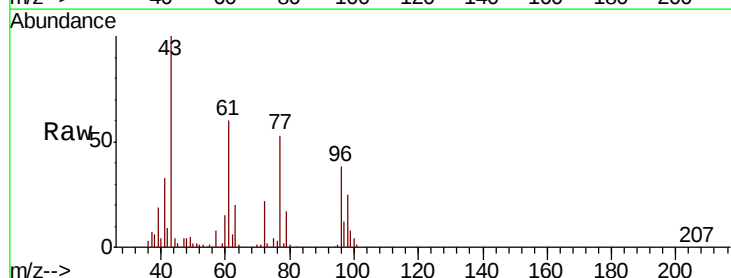
Acq: 22 Oct 2020 23:13

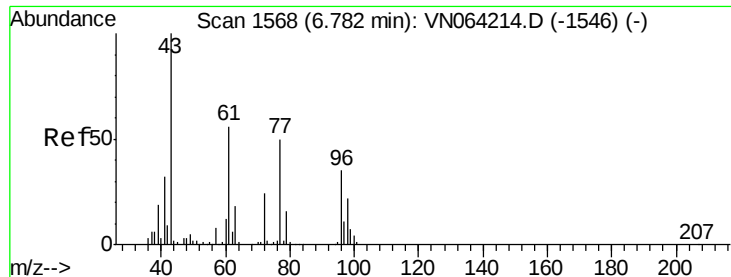
Tgt Ion: 77 Resp: 88359

Ion Ratio Lower Upper

77 100

97 20.7 10.4 31.4





#27

cis-1,2-Dichloroethene

Concen: 19.607 ug/l

RT: 6.78 min Scan# 1569

Delta R.T. 0.00 min

Lab File: VN064270.D

Acq: 22 Oct 2020 23:13

Instrument :

MSVOA_N

ClientSampleId :

VN1022MBS01

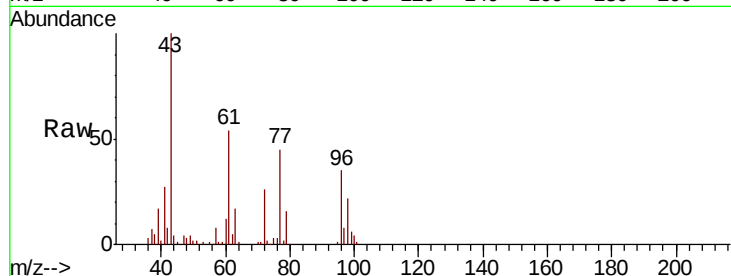
Tot Ion: 96 Resp: 61180

Ion Ratio Lower Upper

96 100

61 158.5 0.0 330.0

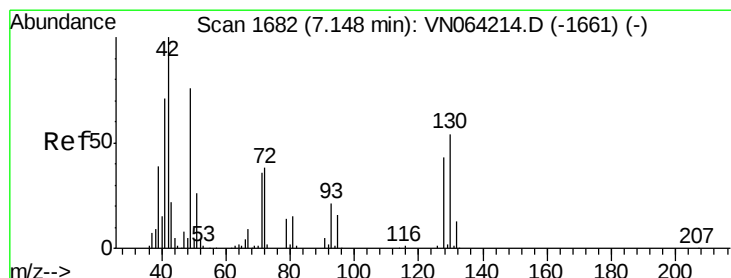
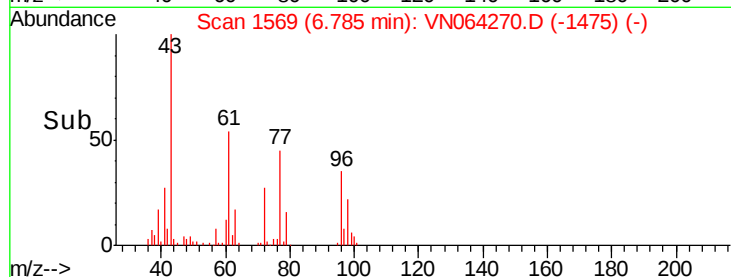
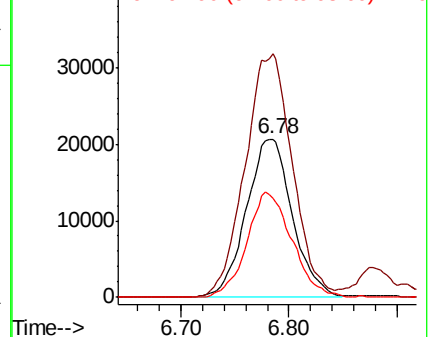
98 64.9 0.0 130.6



Abundance Ion 95.90 (95.60 to 96.60): VN064270.D (-1546) (-)

Ion 60.90 (60.60 to 61.60): VN064270.D (-1546) (-)

Ion 97.90 (97.60 to 98.60): VN064270.D (-1546) (-)



#28

Bromochloromethane

Concen: 18.506 ug/l

RT: 7.16 min Scan# 1685

Delta R.T. 0.01 min

Lab File: VN064270.D

Acq: 22 Oct 2020 23:13

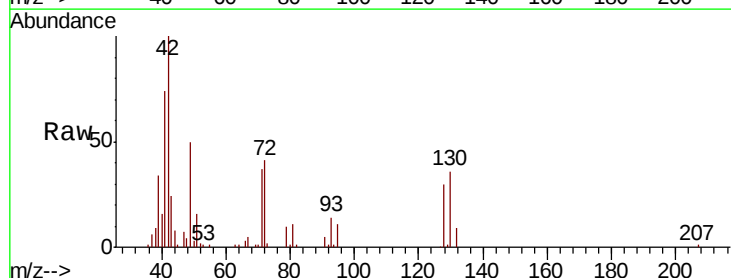
Tgt Ion: 49 Resp: 46044

Ion Ratio Lower Upper

49 100

129 0.7 0.0 2.8

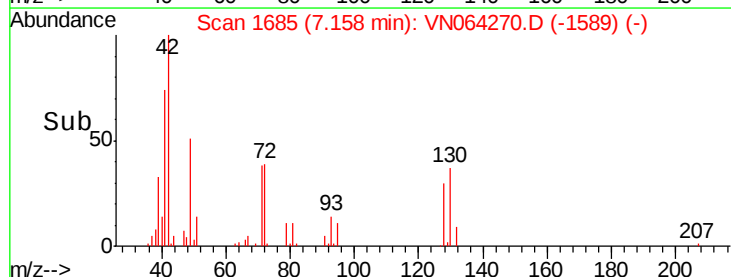
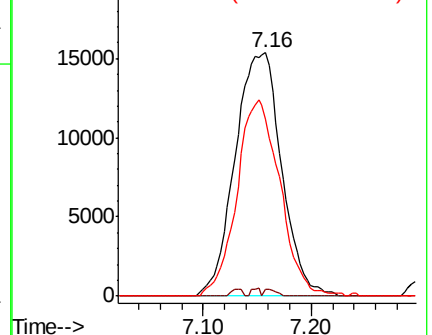
130 0.0 58.8 88.2#

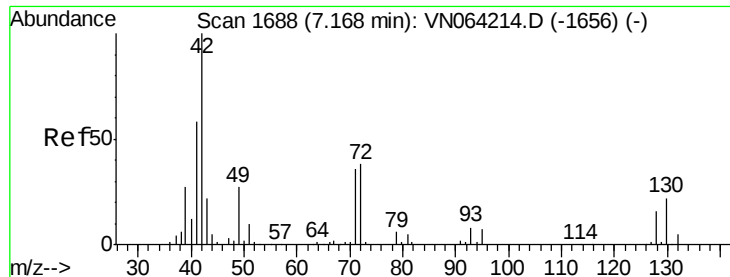


Abundance Ion 48.90 (48.60 to 49.60): VN064270.D (-1546) (-)

Ion 128.80 (128.50 to 129.50): VN064270.D (-1546) (-)

Ion 129.80 (129.50 to 130.50): VN064270.D (-1546) (-)

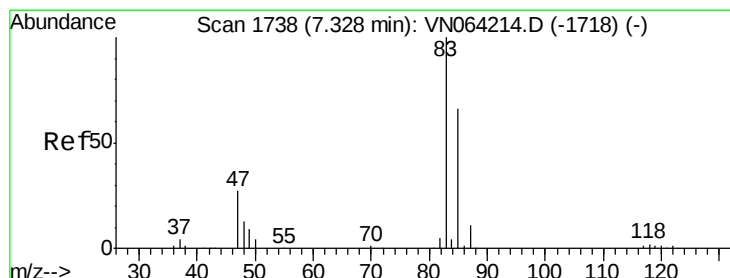
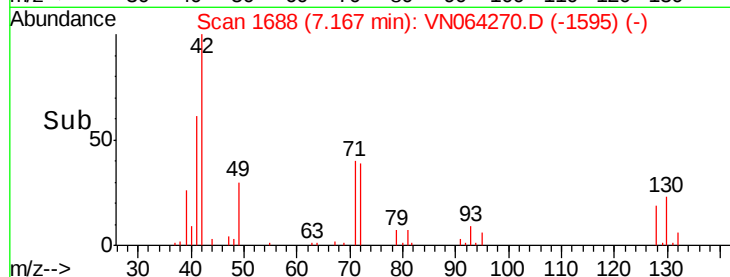
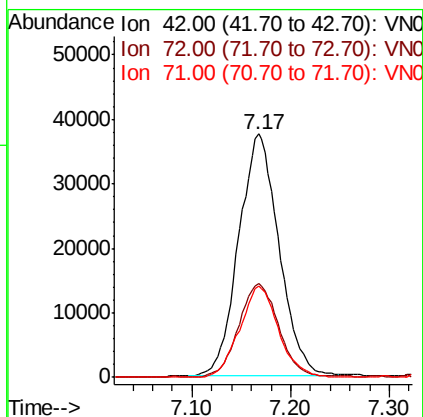
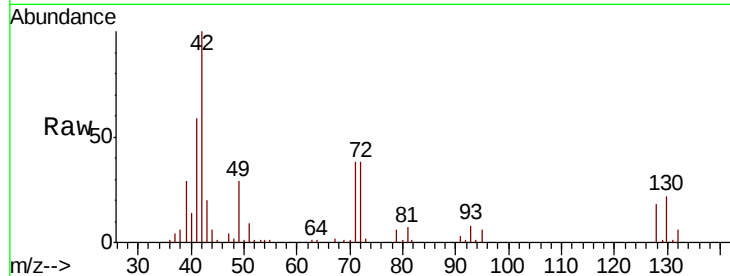




#29
Tetrahydrofuran
Concen: 101.146 ug/l
RT: 7.17 min Scan# 1688
Delta R.T. -0.00 min
Lab File: VN064270.D
Acq: 22 Oct 2020 23:13

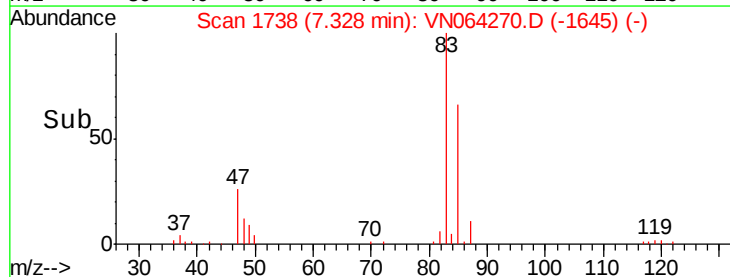
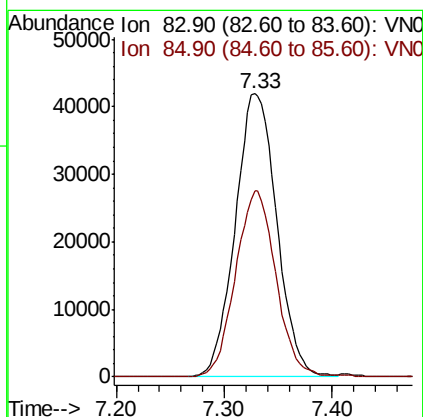
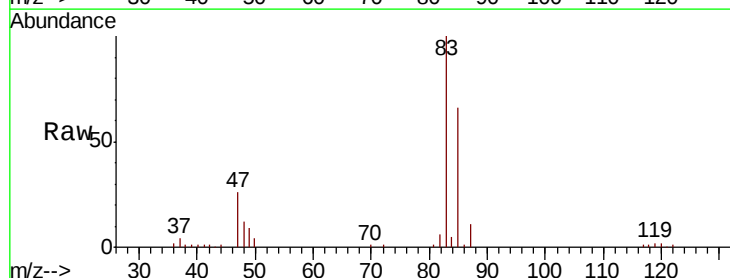
Instrument :
MSVOA_N
ClientSampleId :
VN1022MBS01

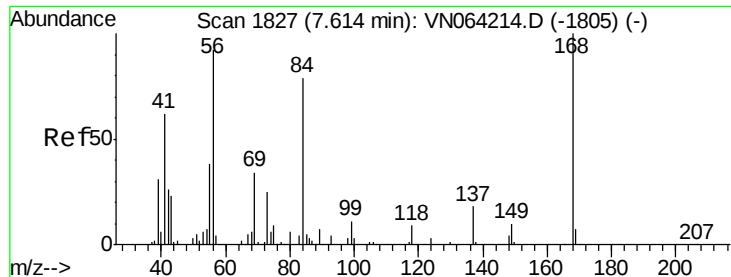
Tot Ion: 42 Resp: 105895
Ion Ratio Lower Upper
42 100
72 38.4 30.8 46.2
71 36.4 29.0 43.6



#30
Chloroform
Concen: 20.119 ug/l
RT: 7.33 min Scan# 1738
Delta R.T. -0.00 min
Lab File: VN064270.D
Acq: 22 Oct 2020 23:13

Tgt Ion: 83 Resp: 112391
Ion Ratio Lower Upper
83 100
85 65.8 52.5 78.7

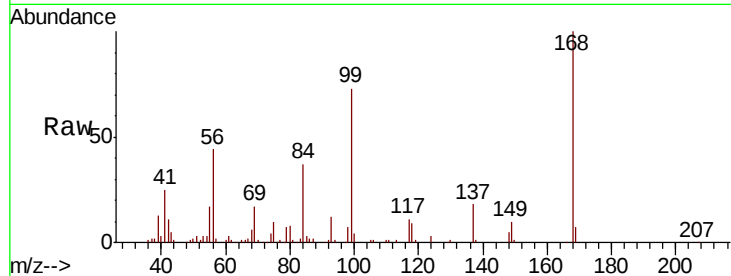




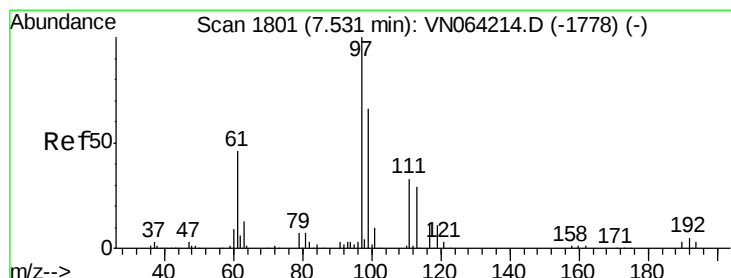
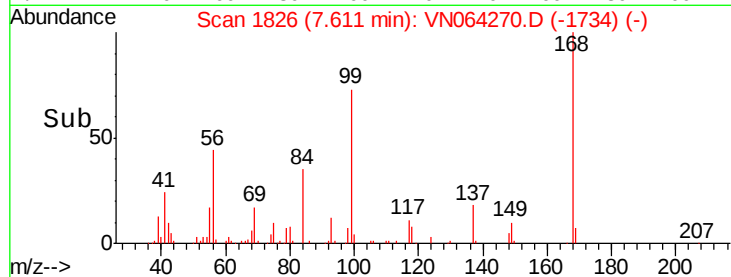
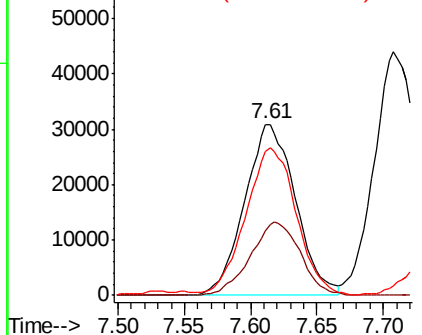
#31
Cyclohexane
Concen: 18.067 ug/l
RT: 7.61 min Scan# 1826
Delta R.T. -0.00 min
Lab File: VN064270.D
Acq: 22 Oct 2020 23:13

Instrument :
MSVOA_N
ClientSampleId :
VN1022MBS01

Tot Ion: 56 Resp: 82459
Ion Ratio Lower Upper
56 100
69 37.7 29.8 44.6
84 82.5 68.1 102.1

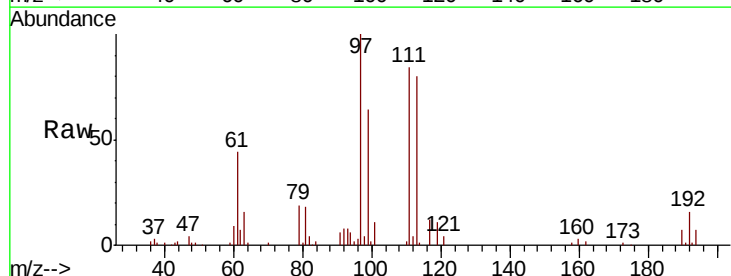


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

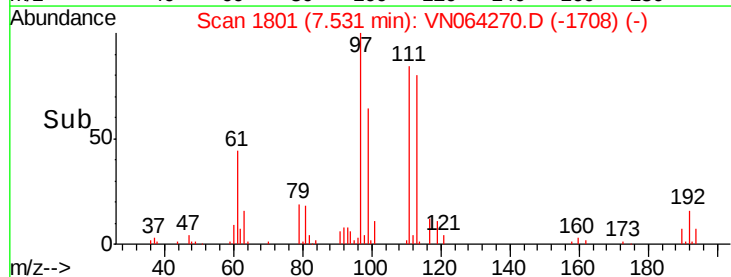
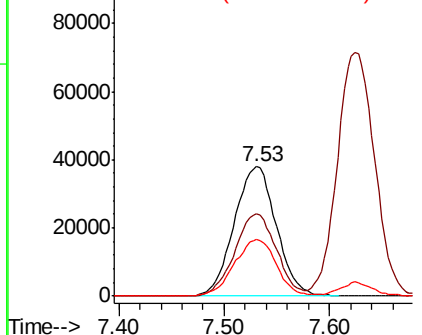


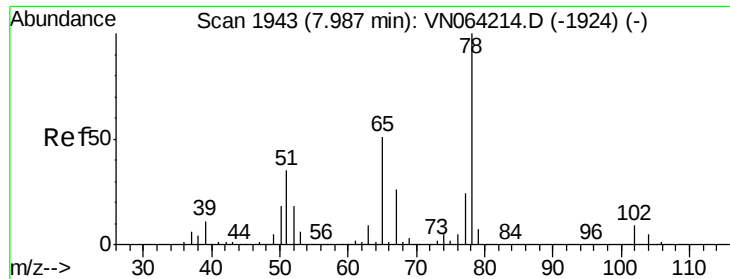
#32
1,1,1-Trichloroethane
Concen: 20.106 ug/l
RT: 7.53 min Scan# 1801
Delta R.T. -0.00 min
Lab File: VN064270.D
Acq: 22 Oct 2020 23:13

Tgt Ion: 97 Resp: 105223
Ion Ratio Lower Upper
97 100
99 63.1 51.2 76.8
61 44.0 36.3 54.5



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

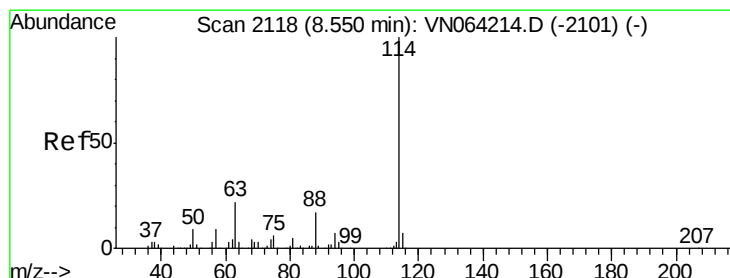
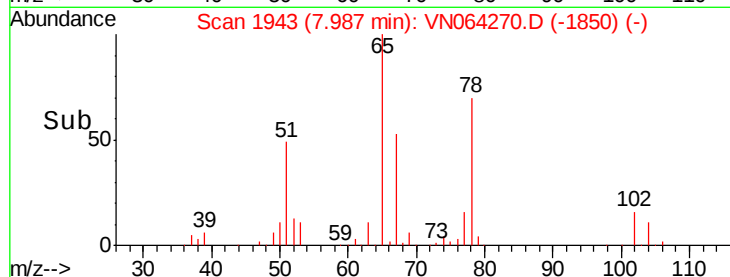
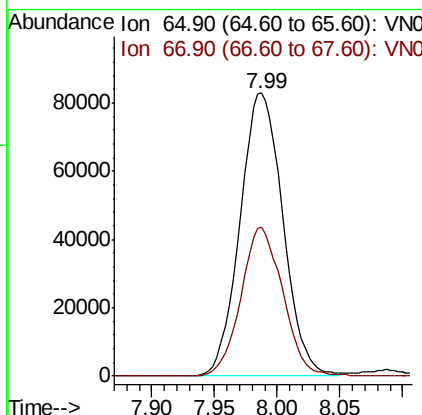
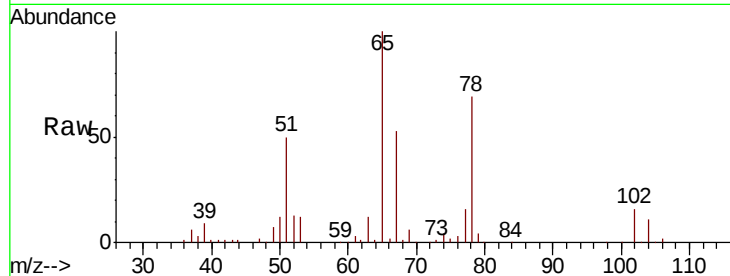




#33
 1,2-Dichloroethane-d4
 Concen: 51.325 ug/l
 RT: 7.99 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VN064270.D
 Acq: 22 Oct 2020 23:13

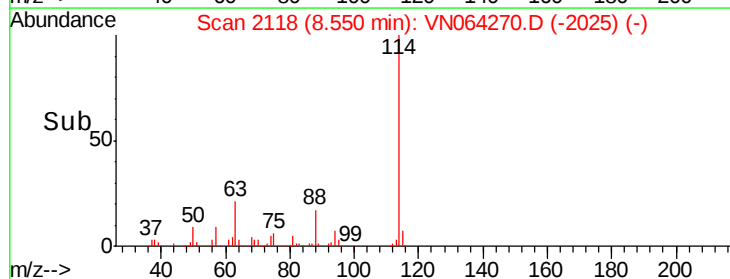
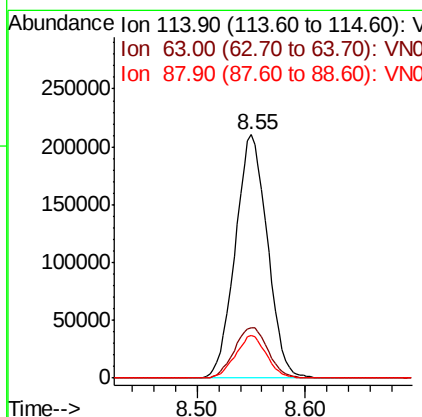
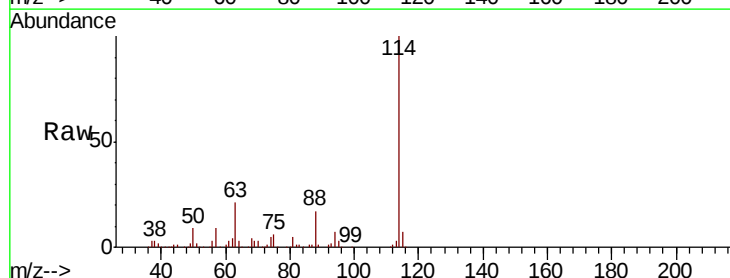
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1022MBS01

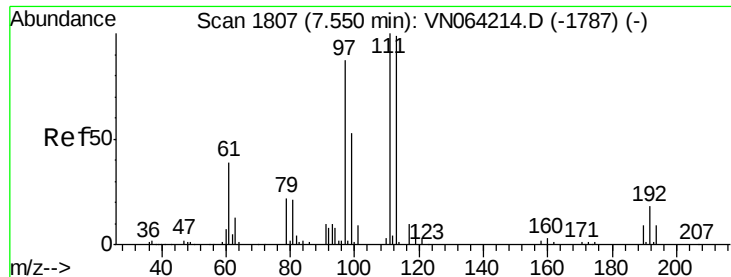
Tot Ion: 65 Resp: 197611
 Ion Ratio Lower Upper
 65 100
 67 51.2 0.0 100.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN064270.D
 Acq: 22 Oct 2020 23:13

Tgt Ion: 114 Resp: 437319
 Ion Ratio Lower Upper
 114 100
 63 20.9 0.0 44.0
 88 17.5 0.0 34.2

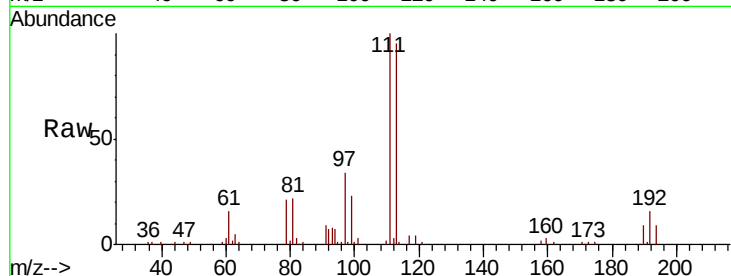




#35
 Dibromofluoromethane
 Concen: 48.357 ug/l
 RT: 7.55 min Scan# 1807
 Delta R.T. -0.00 min
 Lab File: VN064270.D
 Acq: 22 Oct 2020 23:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1022MBS01

Tot Ion	Ratio	Lower	Upper
113	100		
111	104.9	84.2	126.2
192	18.6	15.2	22.8

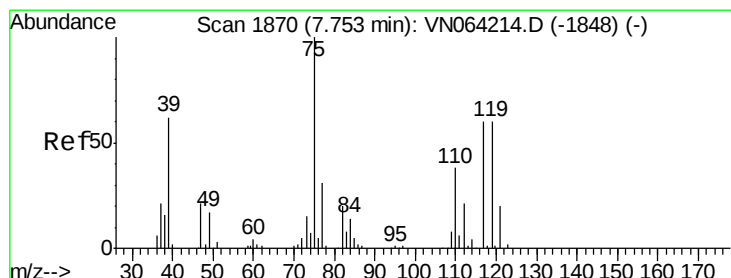
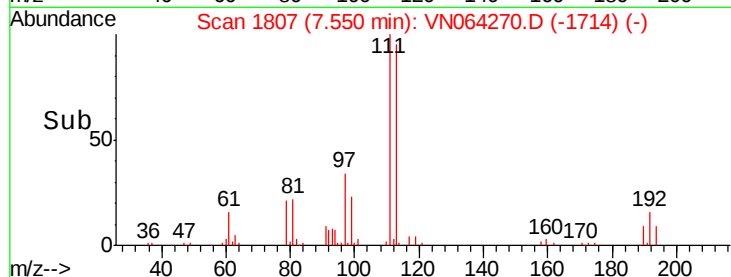
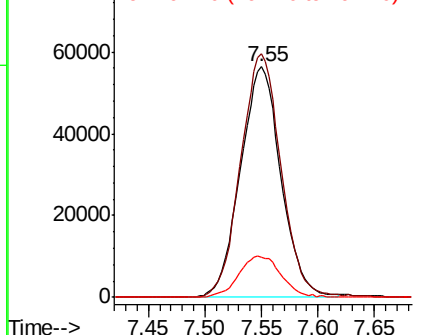


Abundance

Ion 112.80 (112.50 to 113.50): V

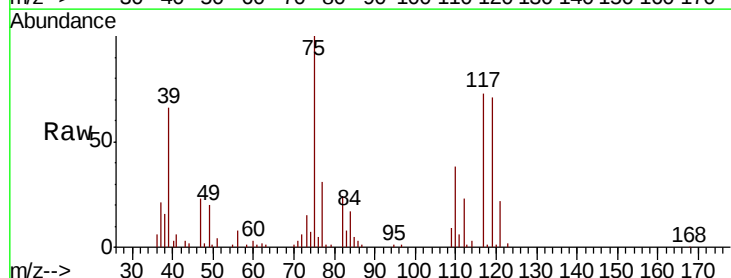
Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36
 1,1-Dichloropropene
 Concen: 18.884 ug/l
 RT: 7.75 min Scan# 1869
 Delta R.T. -0.00 min
 Lab File: VN064270.D
 Acq: 22 Oct 2020 23:13

Tgt Ion	Ratio	Lower	Upper
75	100		
110	34.9	17.2	51.6
77	29.6	24.9	37.3

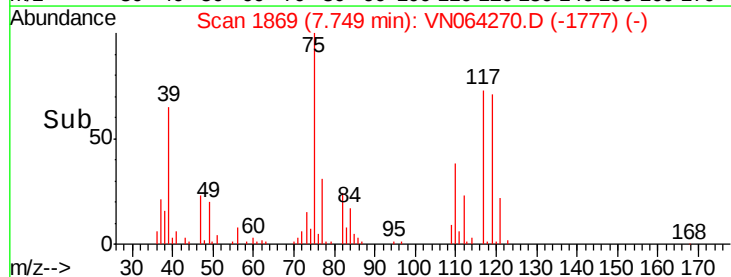
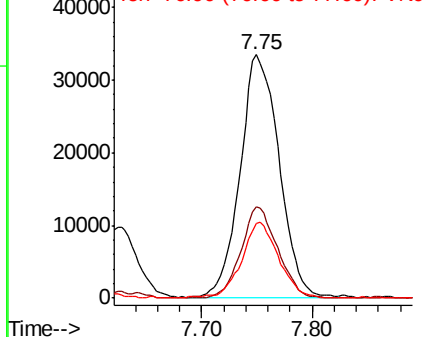


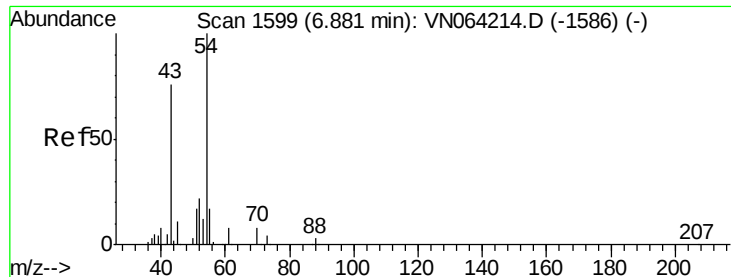
Abundance

Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

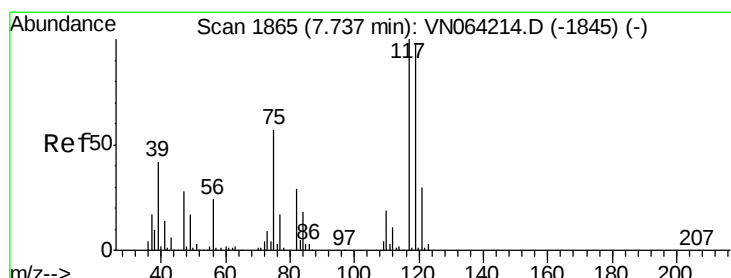
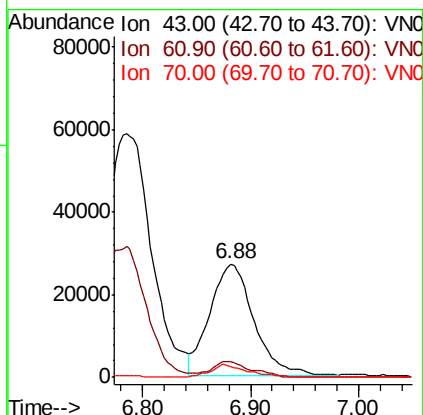
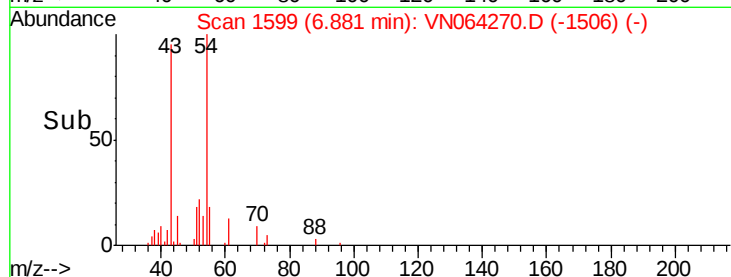
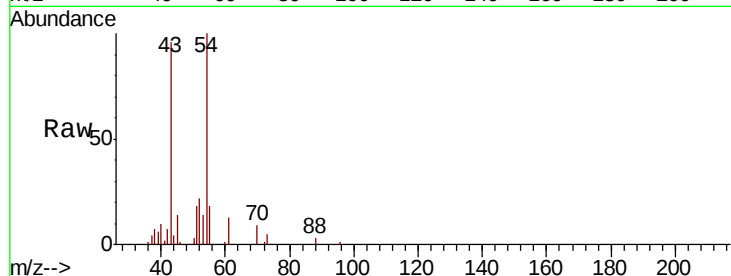




#37
Ethyl Acetate
Concen: 19.465 ug/l
RT: 6.88 min Scan# 1599
Delta R.T. -0.00 min
Lab File: VN064270.D
Acq: 22 Oct 2020 23:13

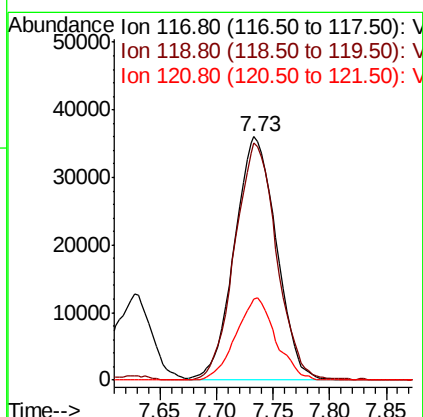
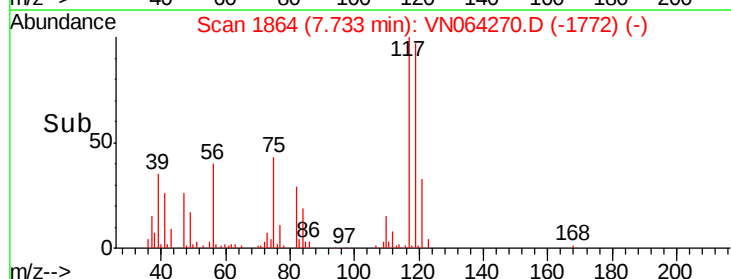
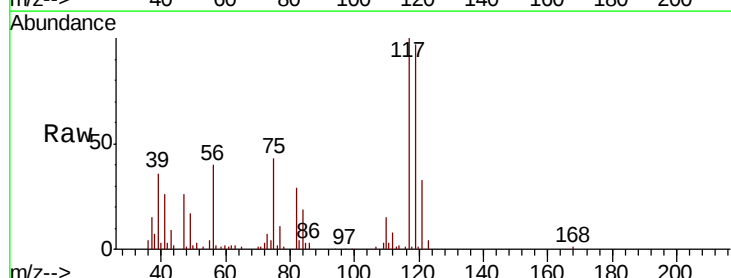
Instrument :
MSVOA_N
ClientSampleId :
VN1022MBS01

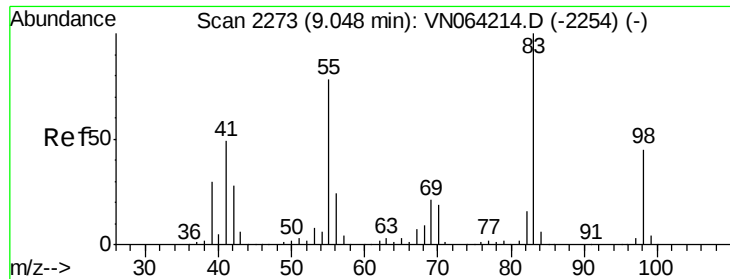
Tot Ion: 43 Resp: 77050
Ion Ratio Lower Upper
43 100
61 6.2 10.0 15.0#
70 9.7 7.5 11.3



#38
Carbon Tetrachloride
Concen: 18.769 ug/l
RT: 7.73 min Scan# 1864
Delta R.T. -0.00 min
Lab File: VN064270.D
Acq: 22 Oct 2020 23:13

Tgt Ion: 117 Resp: 93103
Ion Ratio Lower Upper
117 100
119 97.2 78.5 117.7
121 33.2 24.3 36.5

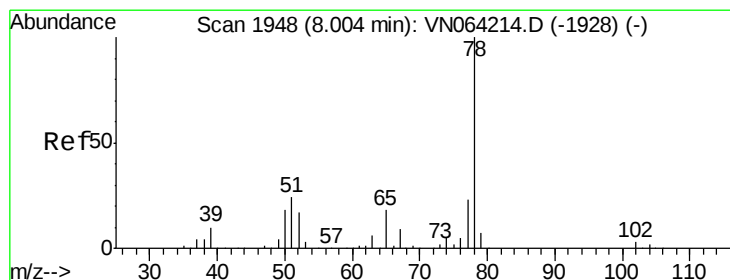
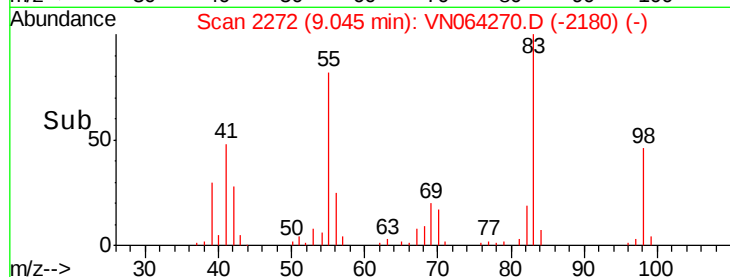
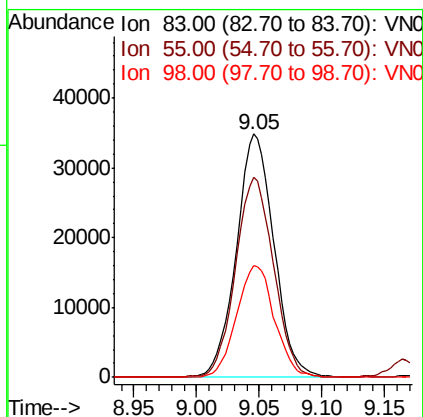
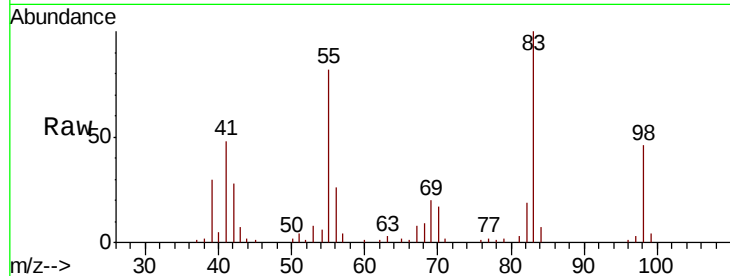




#39
Methvlcvclohexane
Concen: 18.271 ug/l
RT: 9.05 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN064270.D
Acq: 22 Oct 2020 23:13

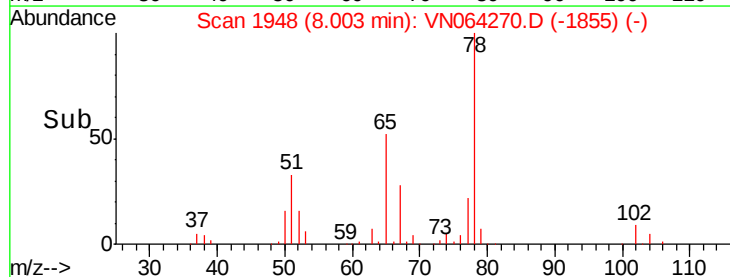
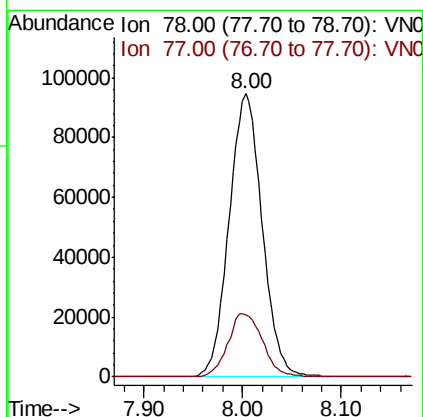
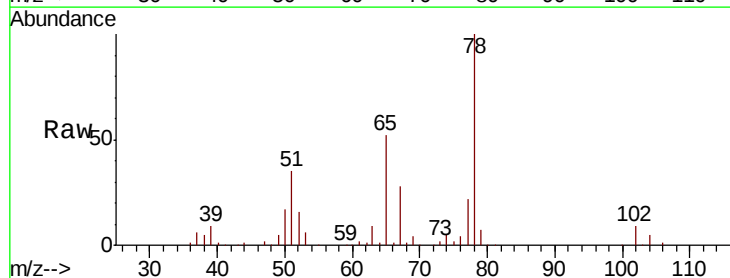
Instrument :
MSVOA_N
ClientSampleId :
VN1022MBS01

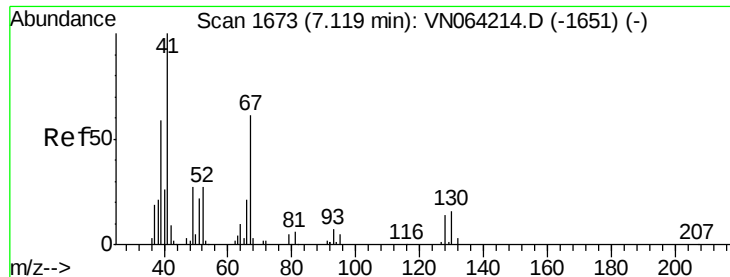
Tot Ion: 83 Resp: 72434
Ion Ratio Lower Upper
83 100
55 82.4 62.2 93.2
98 46.0 35.9 53.9



#40
Benzene
Concen: 18.354 ug/l
RT: 8.00 min Scan# 1948
Delta R.T. -0.00 min
Lab File: VN064270.D
Acq: 22 Oct 2020 23:13

Tgt Ion: 78 Resp: 220892
Ion Ratio Lower Upper
78 100
77 21.9 18.3 27.5

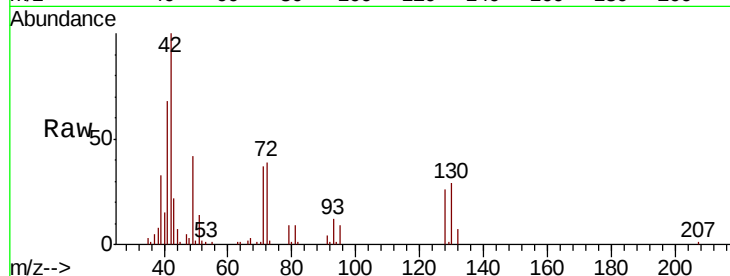




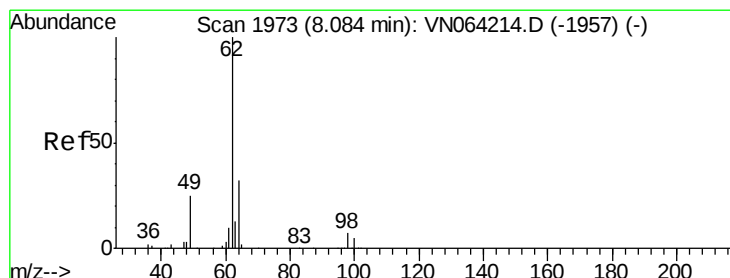
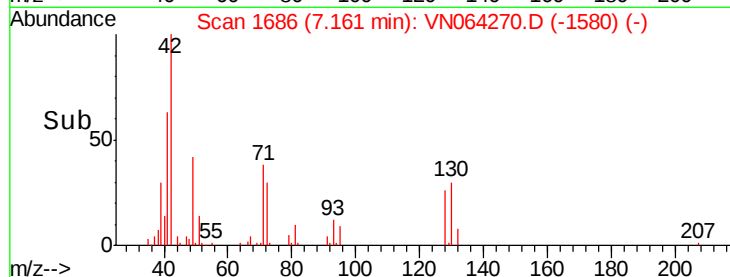
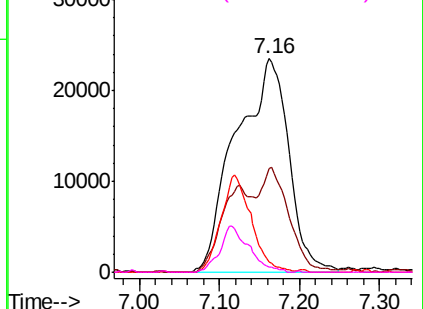
#41
Methacrylonitrile
Concen: 51.266 ug/l
RT: 7.16 min Scan# 1686
Delta R.T. 0.04 min
Lab File: VN064270.D
Acq: 22 Oct 2020 23:13

Instrument :
MSVOA_N
ClientSampleId :
VN1022MBS01

Tot Ion:	41	Resp:	106452
Ion	Ratio	Lower	Upper
41	100		
39	0.0	50.5	75.7#
67	0.0	63.2	94.8#
52	0.0	29.3	43.9#

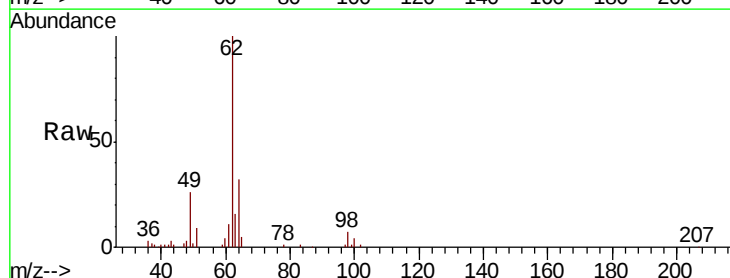


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

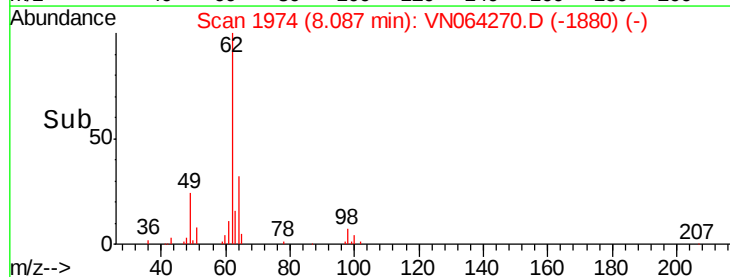
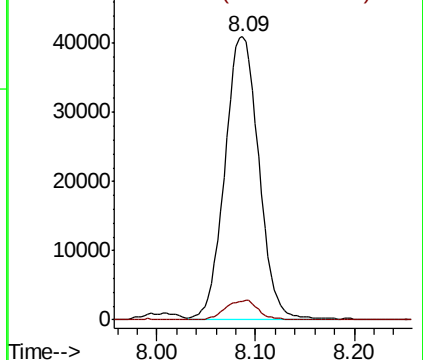


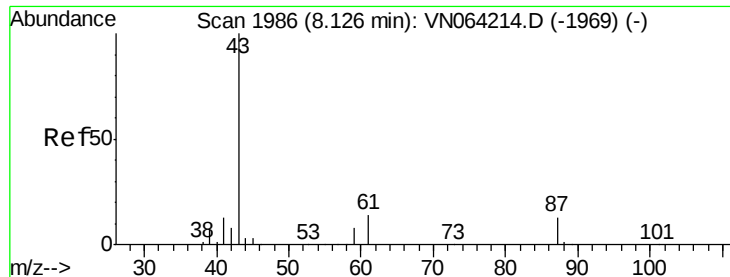
#42
1,2-Dichloroethane
Concen: 19.187 ug/l
RT: 8.09 min Scan# 1974
Delta R.T. 0.00 min
Lab File: VN064270.D
Acq: 22 Oct 2020 23:13

Tgt Ion:	62	Resp:	98922
Ion	Ratio	Lower	Upper
62	100		
98	6.6	0.0	15.0



Abundance Ion 61.90 (61.60 to 62.60): VN0
Ion 97.90 (97.60 to 98.60): VN0





#43

Isopropyl Acetate

Concen: 19.034 ug/l

RT: 8.13 min Scan# 1986

Delta R.T. -0.00 min

Lab File: VN064270.D

Acq: 22 Oct 2020 23:13

Instrument :

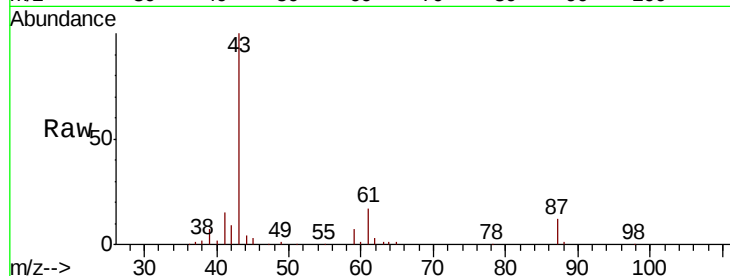
MSVOA_N

ClientSampleId :

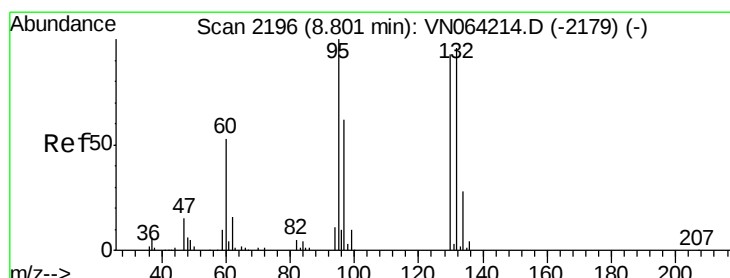
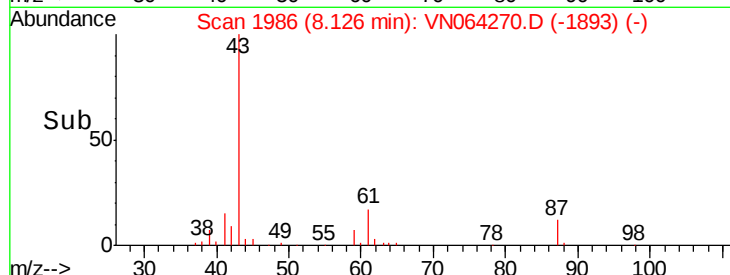
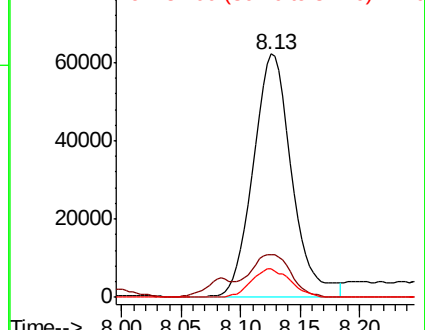
VN1022MBS01

Tot Ion: 43 Resp: 140418

Ion	Ratio	Lower	Upper
43	100		
61	18.3	19.6	29.4#
87	11.8	9.8	14.6



Abundance Ion 43.00 (42.70 to 43.70): VN064270.D (-2103) (-)



#44

Trichloroethene

Concen: 19.020 ug/l

RT: 8.80 min Scan# 2196

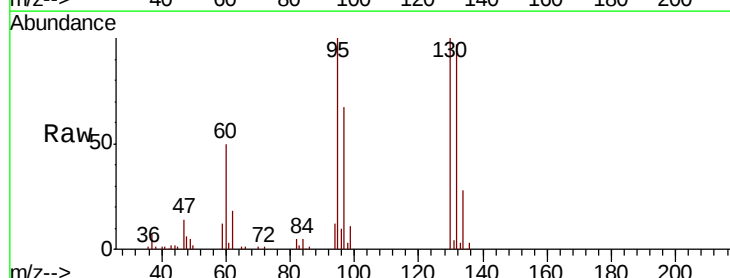
Delta R.T. -0.00 min

Lab File: VN064270.D

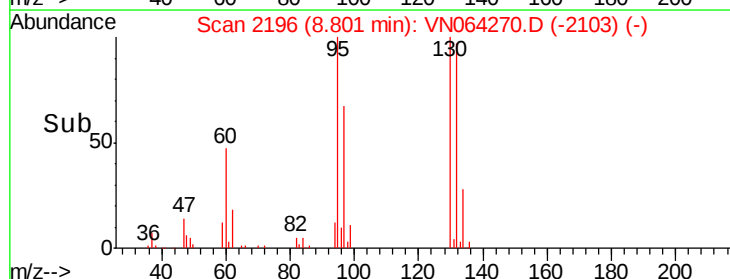
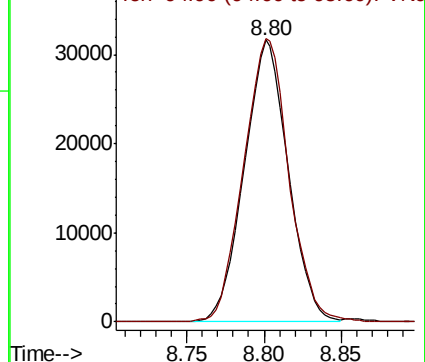
Acq: 22 Oct 2020 23:13

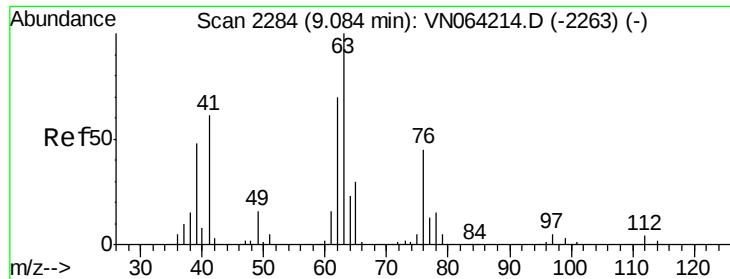
Tgt Ion: 130 Resp: 62377

Ion	Ratio	Lower	Upper
130	100		
95	100.4	0.0	214.0



Abundance Ion 129.80 (129.50 to 130.50): VN064270.D (-2103) (-)

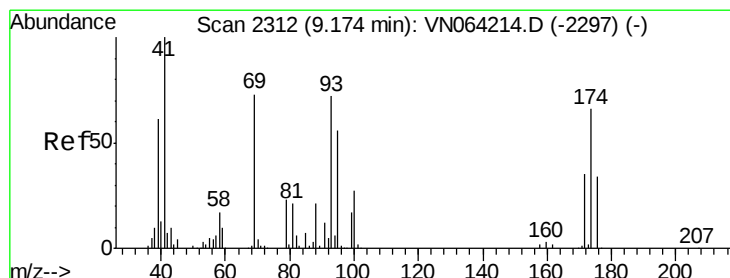
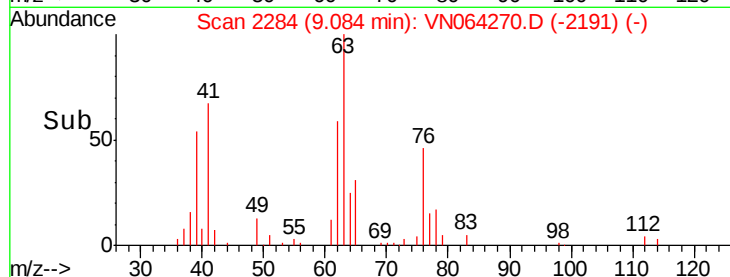
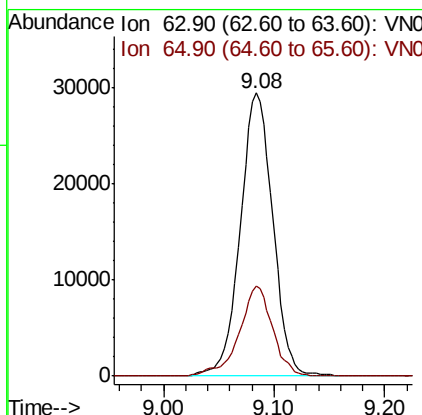
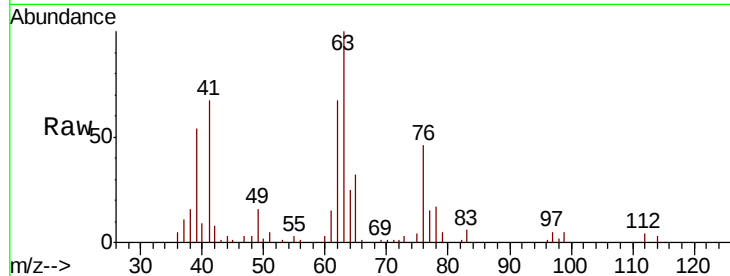




#45
 1,2-Dichloropropane
 Concen: 18.696 ug/l
 RT: 9.08 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN064270.D
 Acq: 22 Oct 2020 23:13

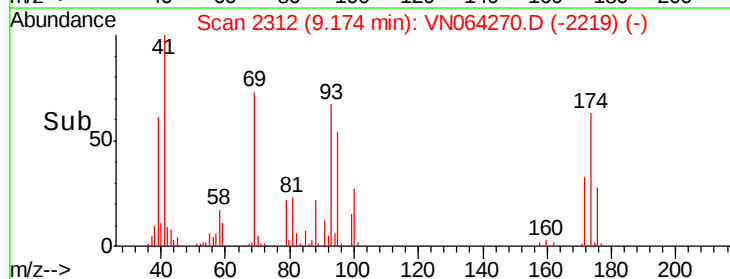
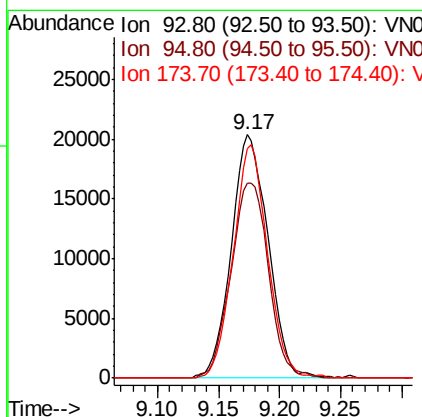
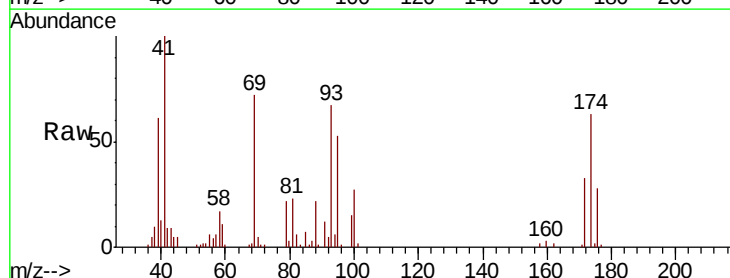
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1022MBS01

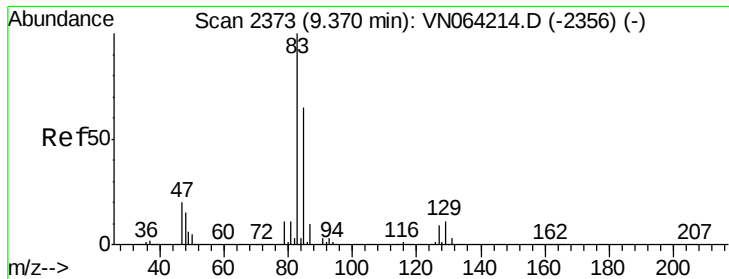
Tot Ion: 63 Resp: 60070
 Ion Ratio Lower Upper
 63 100
 65 31.7 24.0 36.0



#46
 Dibromomethane
 Concen: 19.780 ug/l
 RT: 9.17 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN064270.D
 Acq: 22 Oct 2020 23:13

Tgt Ion: 93 Resp: 42674
 Ion Ratio Lower Upper
 93 100
 95 81.7 63.0 94.4
 174 89.2 72.9 109.3





#47

Bromodichloromethane

Concen: 19.073 ug/l

RT: 9.37 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN064270.D

Acq: 22 Oct 2020 23:13

Instrument :

MSVOA_N

ClientSampleId :

VN1022MBS01

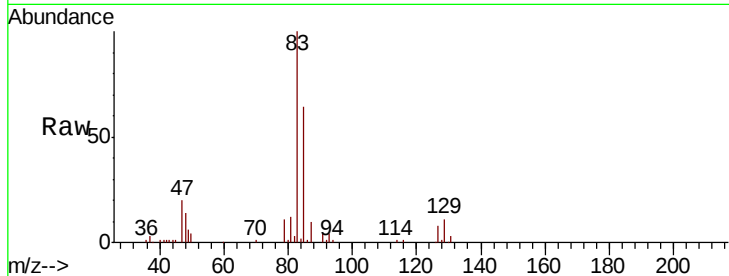
Tot Ion: 83 Resp: 90909

Ion Ratio Lower Upper

83 100

85 64.0 51.8 77.8

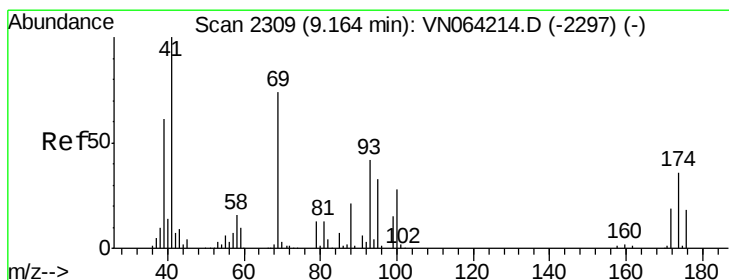
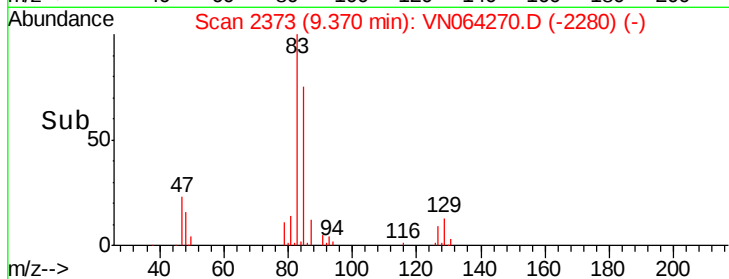
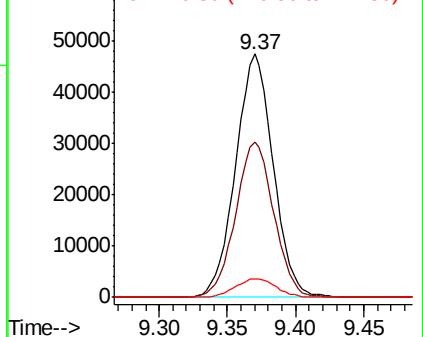
127 7.7 7.4 11.0



Abundance Ion 82.90 (82.60 to 83.60): VN064270.D (-2280) (-)

Ion 84.90 (84.60 to 85.60): VN064270.D (-2280) (-)

Ion 126.80 (126.50 to 127.50): VN064270.D (-2280) (-)



#48

Methyl methacrylate

Concen: 18.075 ug/l

RT: 9.17 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN064270.D

Acq: 22 Oct 2020 23:13

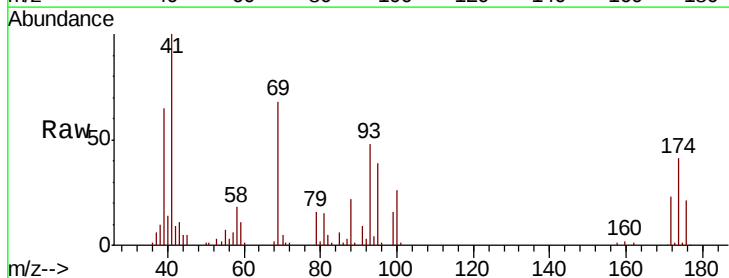
Tgt Ion: 41 Resp: 69658

Ion Ratio Lower Upper

41 100

69 70.7 57.3 85.9

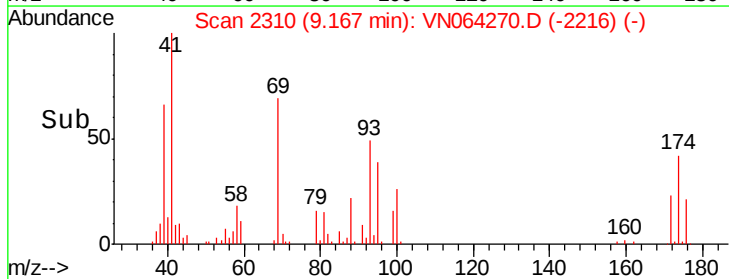
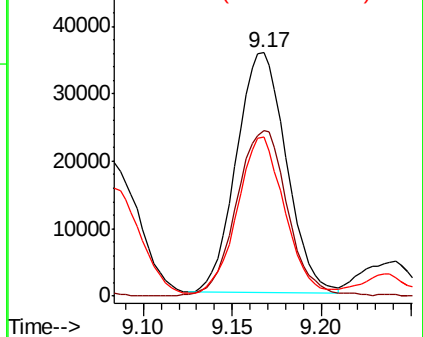
39 63.4 48.6 73.0

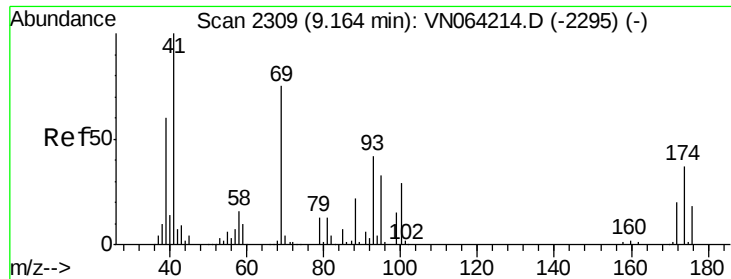


Abundance Ion 41.00 (40.70 to 41.70): VN064270.D (-2216) (-)

Ion 69.00 (68.70 to 69.70): VN064270.D (-2216) (-)

Ion 39.00 (38.70 to 39.70): VN064270.D (-2216) (-)

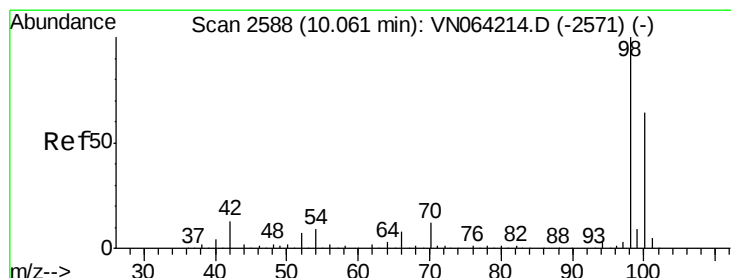
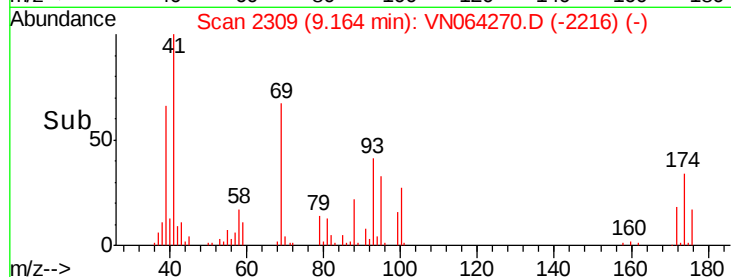
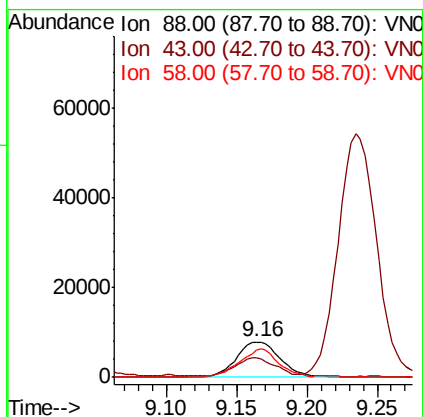
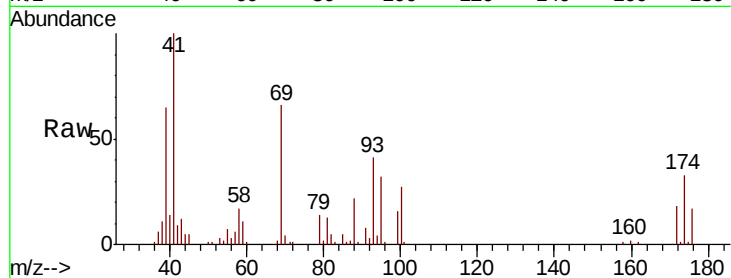




#49
1,4-Dioxane
Concen: 382.074 ug/l
RT: 9.16 min Scan# 2309
Delta R.T. -0.00 min
Lab File: VN064270.D
Acq: 22 Oct 2020 23:13

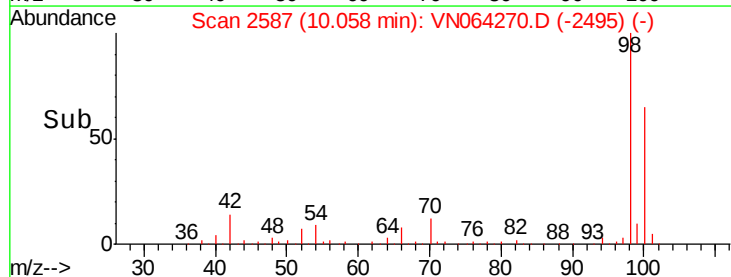
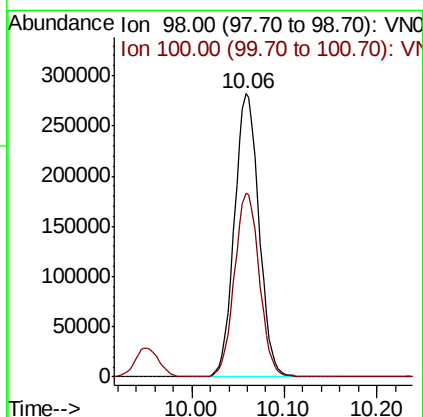
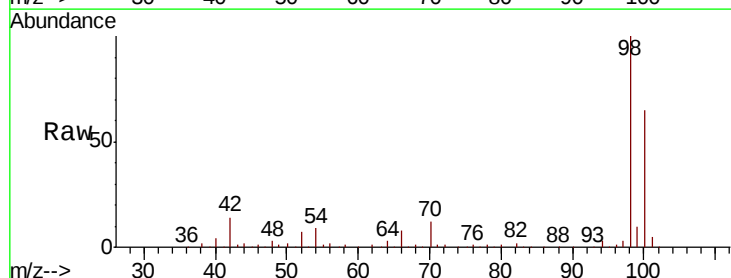
Instrument :
MSVOA_N
ClientSampleId :
VN1022MBS01

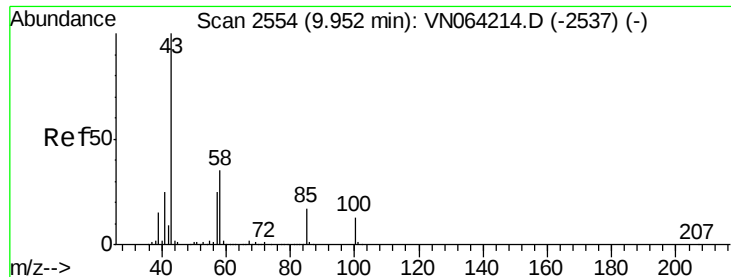
Tot Ion: 88 Resp: 17228
Ion Ratio Lower Upper
88 100
43 45.2 34.6 52.0
58 71.5 59.0 88.6



#50
Toluene-d8
Concen: 49.165 ug/l
RT: 10.06 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN064270.D
Acq: 22 Oct 2020 23:13

Tgt Ion: 98 Resp: 518545
Ion Ratio Lower Upper
98 100
100 65.4 50.8 76.2

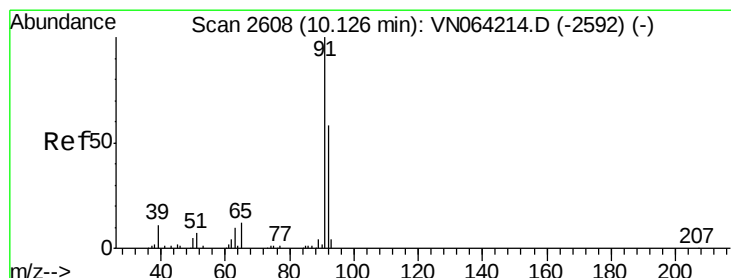
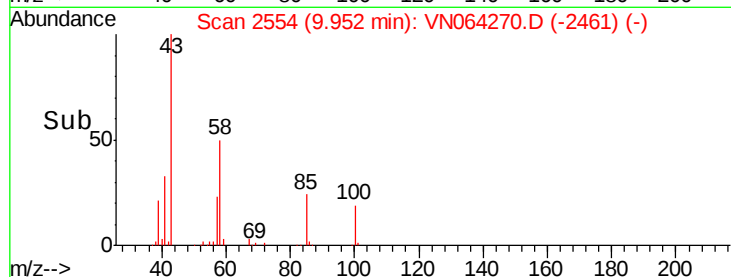
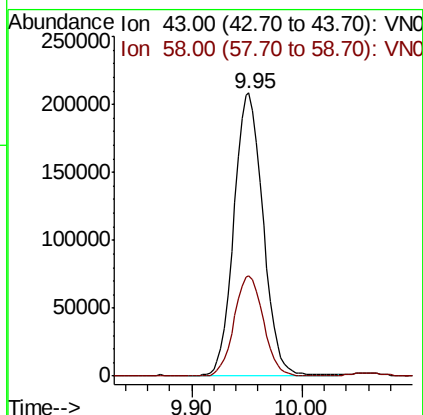
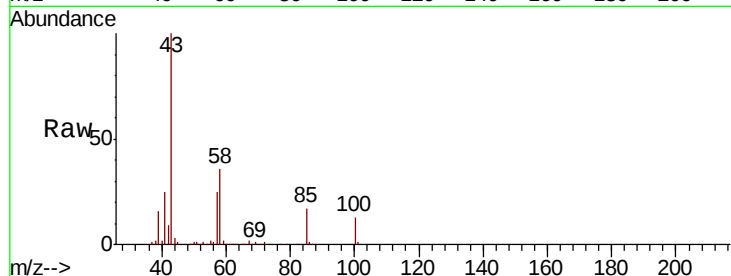




#51
 4-Methyl-2-Pentanone
 Concen: 96.238 ug/l
 RT: 9.95 min Scan# 2554
 Delta R.T. -0.00 min
 Lab File: VN064270.D
 Acq: 22 Oct 2020 23:13

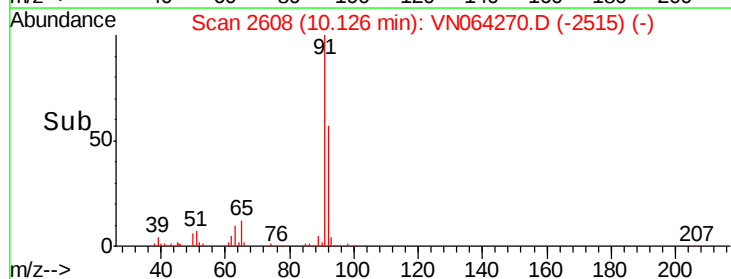
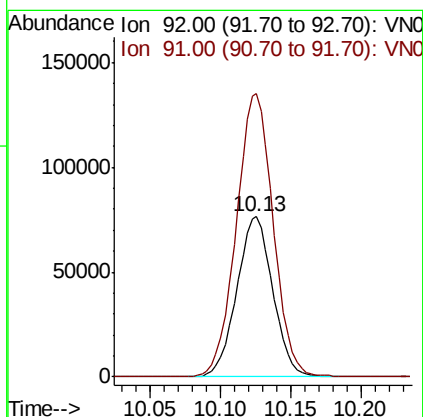
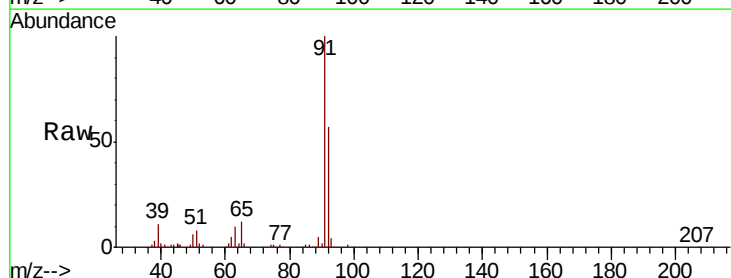
Instrument :
 MSVOA_N
 ClientSampleID :
 VN1022MBS01

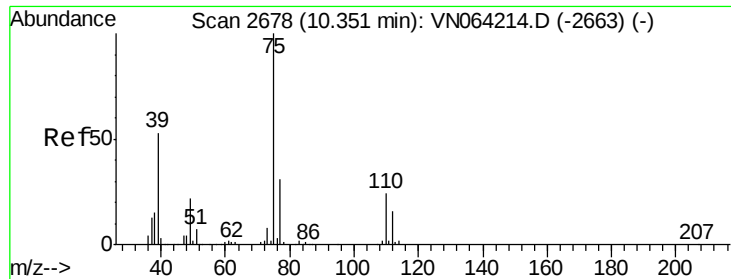
Tot Ion: 43 Resp: 379446
 Ion Ratio Lower Upper
 43 100
 58 35.7 28.6 42.8



#52
 Toluene
 Concen: 17.722 ug/l
 RT: 10.13 min Scan# 2608
 Delta R.T. -0.00 min
 Lab File: VN064270.D
 Acq: 22 Oct 2020 23:13

Tgt Ion: 92 Resp: 136470
 Ion Ratio Lower Upper
 92 100
 91 181.2 137.4 206.2





#53

t-1,3-Dichloropropene

Concen: 18.700 ug/l

RT: 10.35 min Scan# 2678

Delta R.T. -0.00 min

Lab File: VN064270.D

Acq: 22 Oct 2020 23:13

Instrument :

MSVOA_N

ClientSampleId :

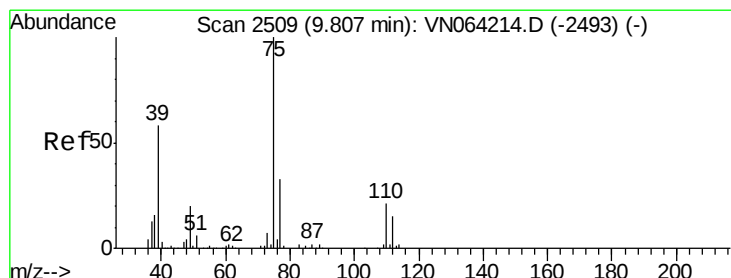
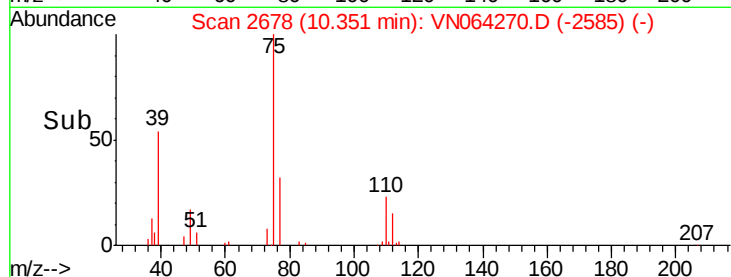
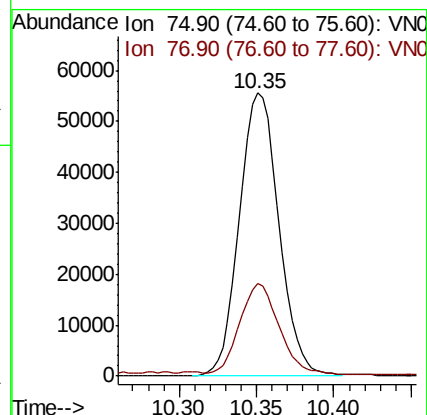
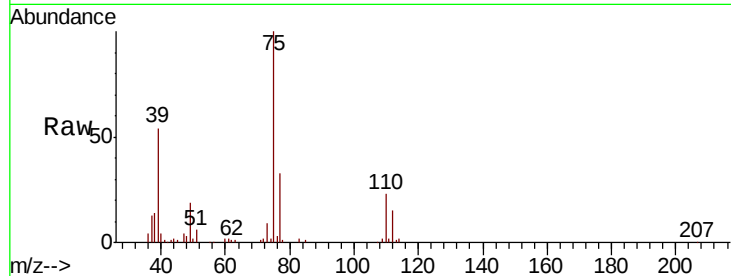
VN1022MBS01

Tot Ion: 75 Resp: 99013

Ion Ratio Lower Upper

75 100

77 32.1 25.4 38.2



#54

cis-1,3-Dichloropropene

Concen: 18.325 ug/l

RT: 9.81 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VN064270.D

Acq: 22 Oct 2020 23:13

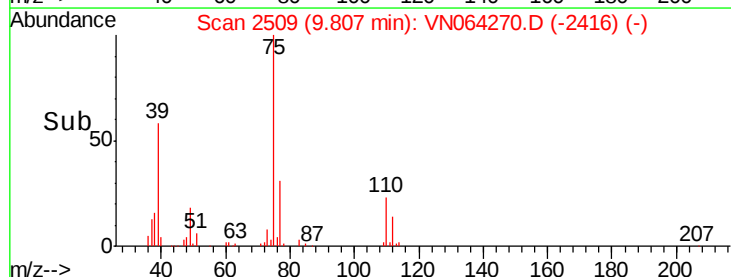
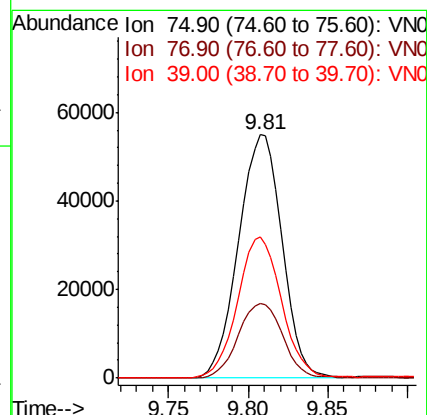
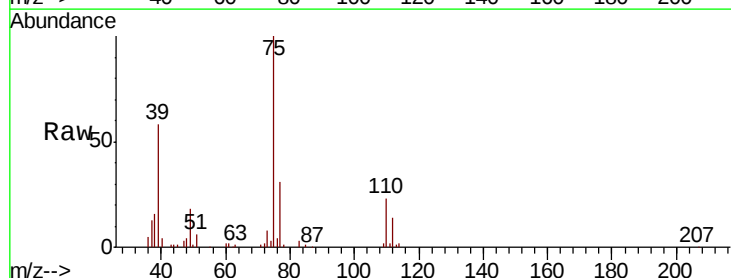
Tgt Ion: 75 Resp: 102161

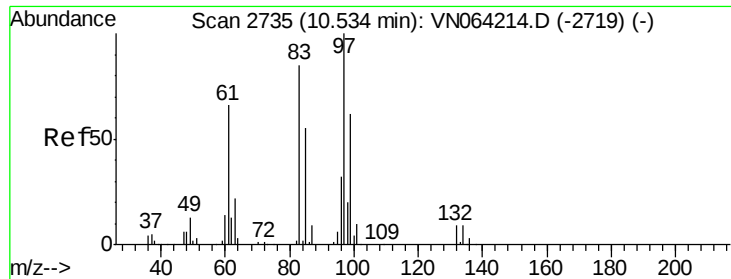
Ion Ratio Lower Upper

75 100

77 30.5 26.6 39.8

39 57.3 46.7 70.1

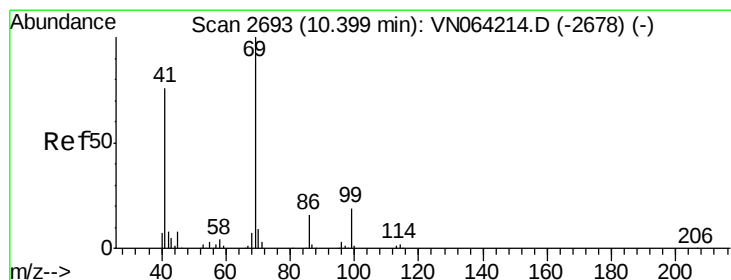
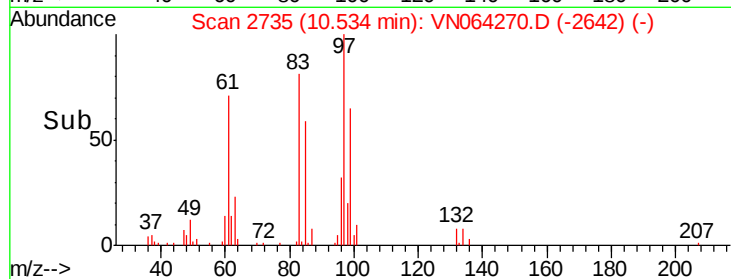
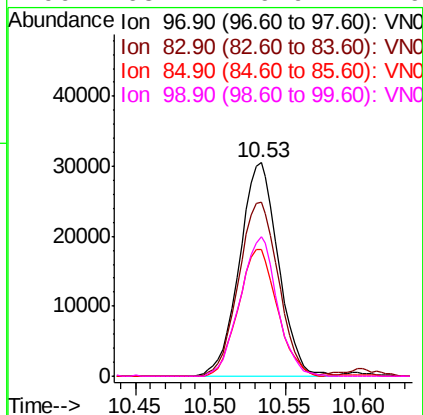
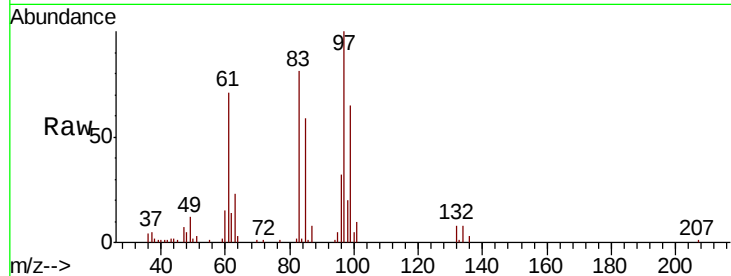




#55
 1,1,2-Trichloroethane
 Concen: 19.008 ug/l
 RT: 10.53 min Scan# 2735
 Delta R.T. -0.00 min
 Lab File: VN064270.D
 Acq: 22 Oct 2020 23:13

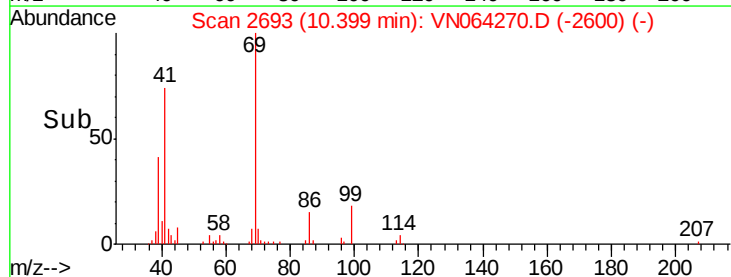
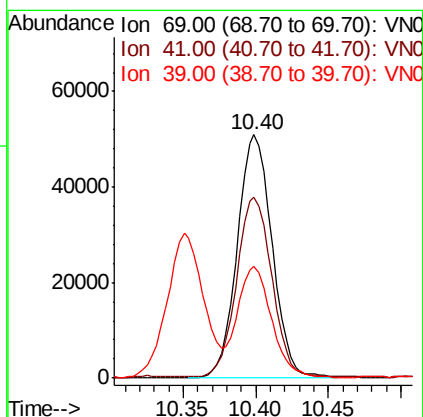
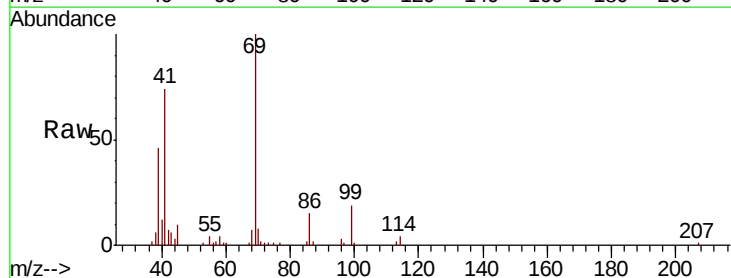
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1022MBS01

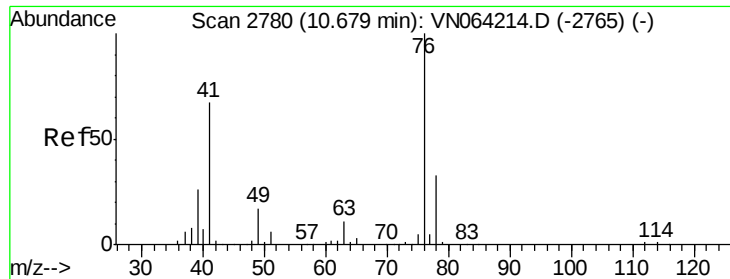
Tot Ion	Ratio	Lower	Upper
97	100		
83	81.4	67.8	101.6
85	59.3	43.6	65.4
99	65.2	49.9	74.9



#56
 Ethyl methacrylate
 Concen: 18.983 ug/l
 RT: 10.40 min Scan# 2693
 Delta R.T. -0.00 min
 Lab File: VN064270.D
 Acq: 22 Oct 2020 23:13

Tgt Ion	Ratio	Lower	Upper
69	100		
41	74.6	61.4	92.2
39	45.1	36.0	54.0

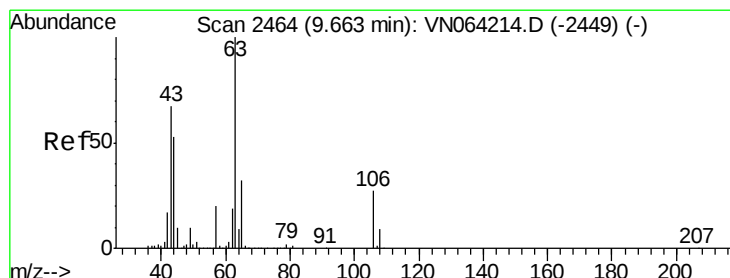
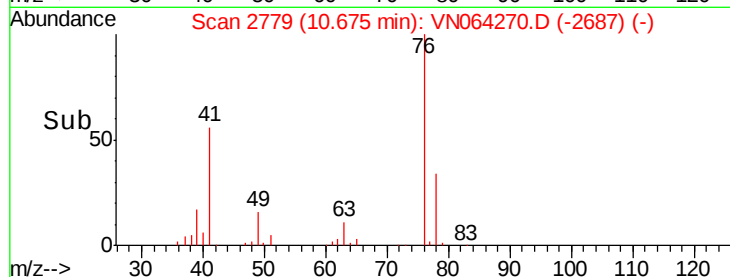
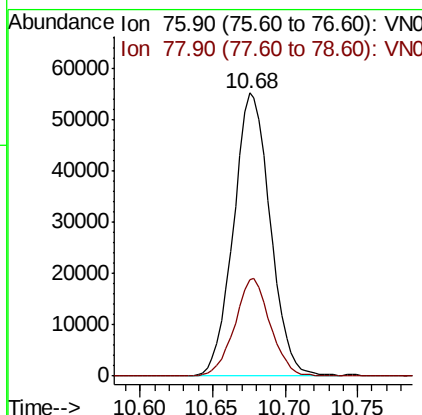
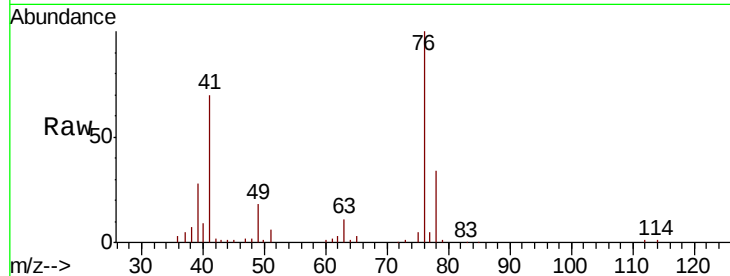




#57
 1,3-Dichloropropane
 Concen: 19.248 ug/l
 RT: 10.68 min Scan# 2779
 Delta R.T. -0.00 min
 Lab File: VN064270.D
 Acq: 22 Oct 2020 23:13

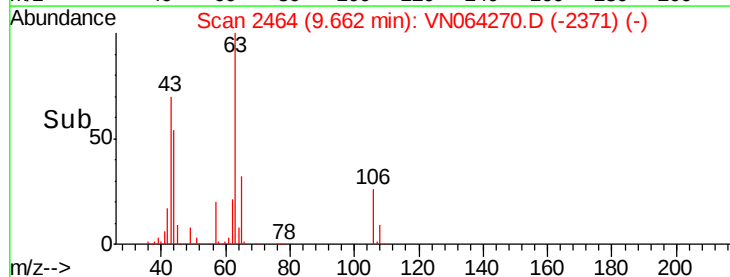
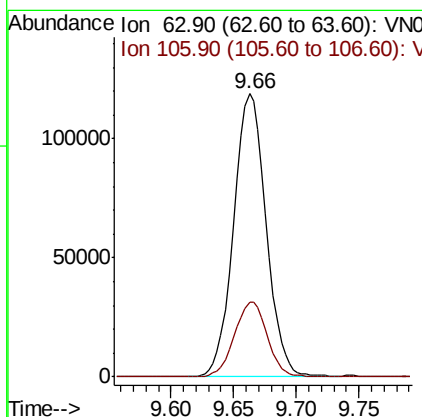
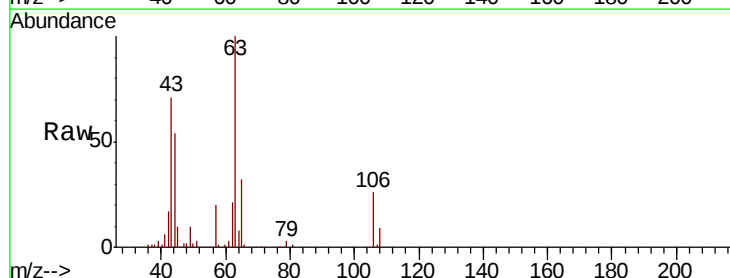
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1022MBS01

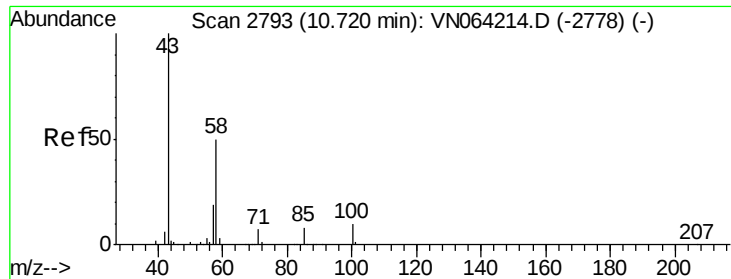
Tot Ion: 76 Resp: 97241
 Ion Ratio Lower Upper
 76 100
 78 33.3 26.2 39.2



#58
 2-Chloroethyl Vinyl ether
 Concen: 92.714 ug/l
 RT: 9.66 min Scan# 2464
 Delta R.T. -0.00 min
 Lab File: VN064270.D
 Acq: 22 Oct 2020 23:13

Tgt Ion: 63 Resp: 214702
 Ion Ratio Lower Upper
 63 100
 106 26.8 21.3 31.9

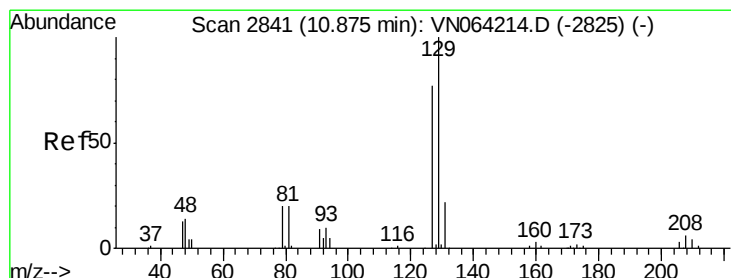
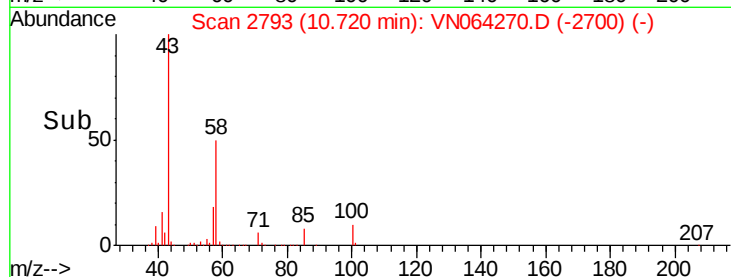
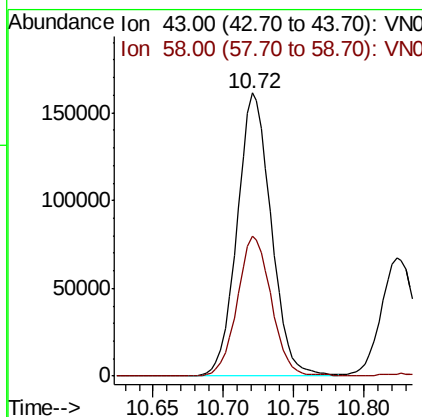
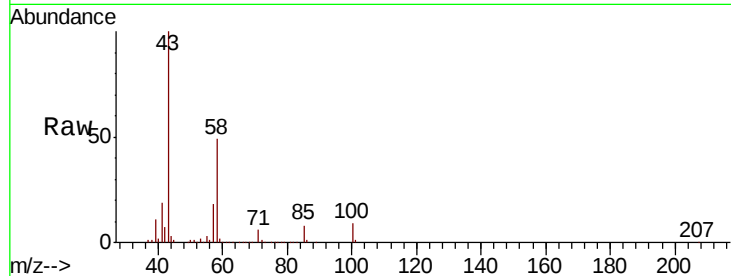




#59
2-Hexanone
Concen: 94.120 ug/l
RT: 10.72 min Scan# 2793
Delta R.T. -0.00 min
Lab File: VN064270.D
Acq: 22 Oct 2020 23:13

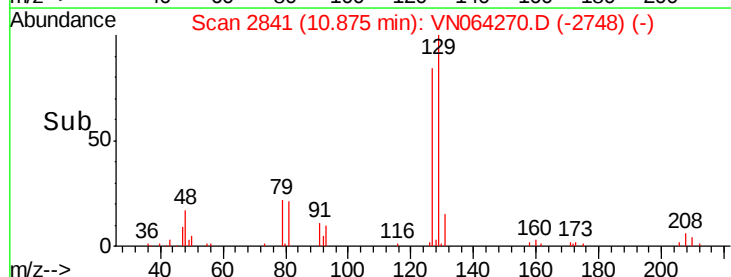
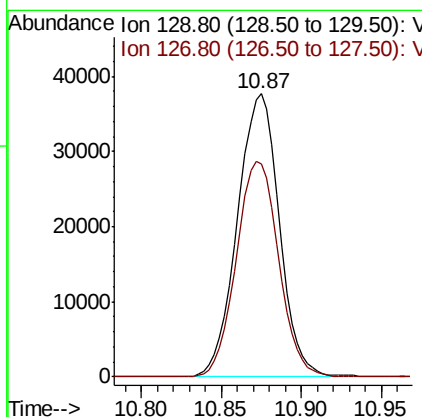
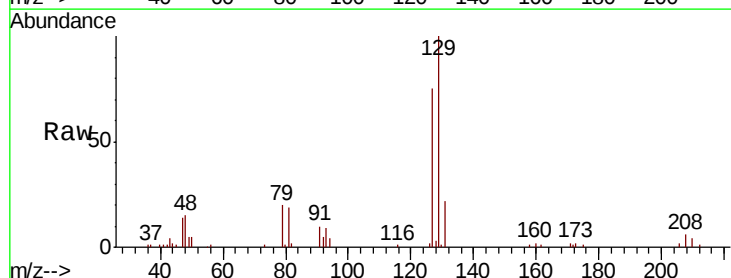
Instrument :
MSVOA_N
ClientSampleId :
VN1022MBS01

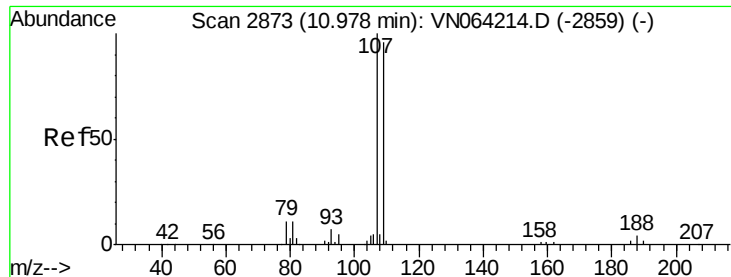
Tot Ion: 43 Resp: 271014
Ion Ratio Lower Upper
43 100
58 49.5 24.8 74.3



#60
Dibromochloromethane
Concen: 17.903 ug/l
RT: 10.87 min Scan# 2841
Delta R.T. -0.00 min
Lab File: VN064270.D
Acq: 22 Oct 2020 23:13

Tgt Ion: 129 Resp: 67408
Ion Ratio Lower Upper
129 100
127 76.8 38.8 116.3

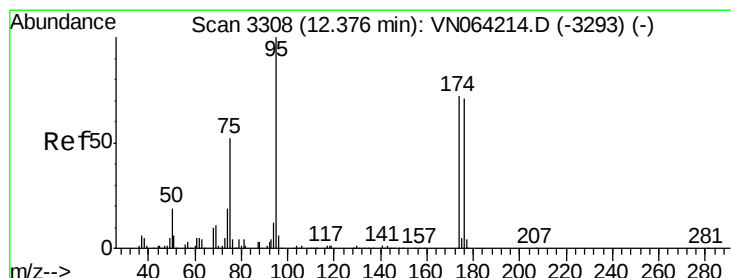
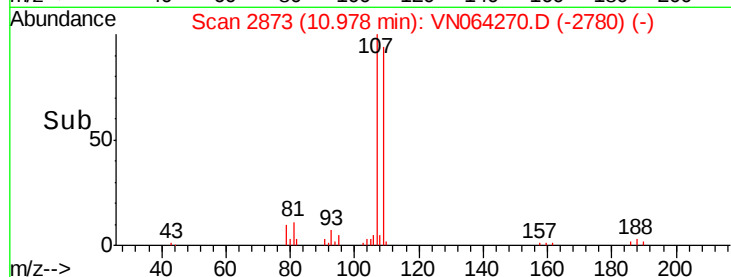
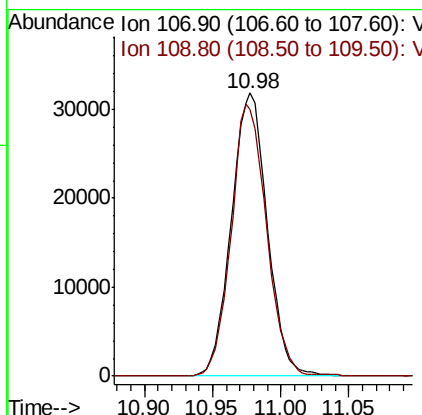
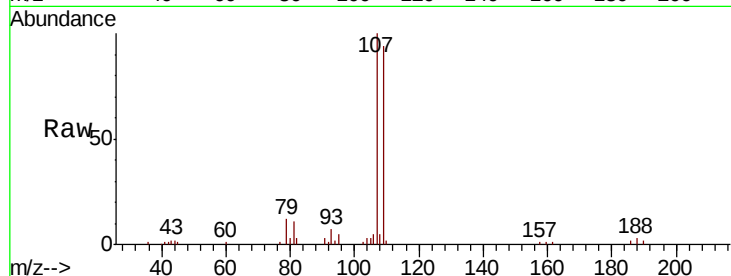




#61
 1,2-Dibromoethane
 Concen: 18.984 ug/l
 RT: 10.98 min Scan# 2873
 Delta R.T. -0.00 min
 Lab File: VN064270.D
 Acq: 22 Oct 2020 23:13

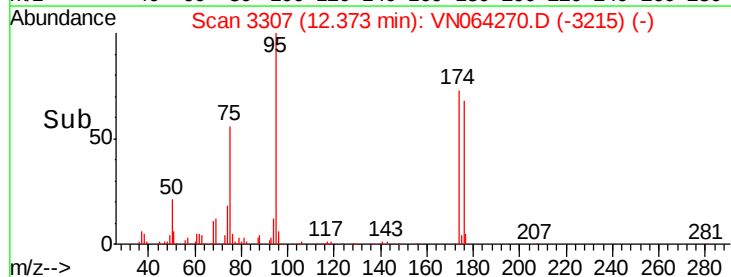
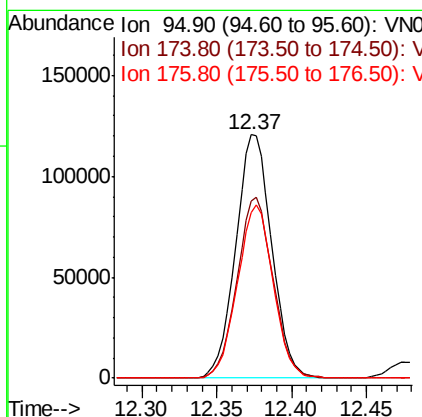
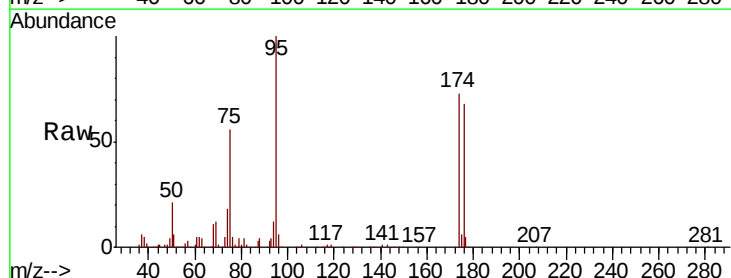
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1022MBS01

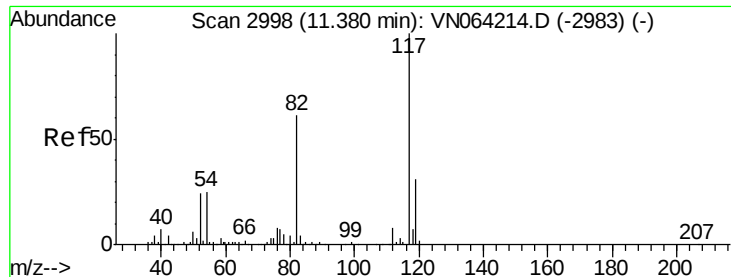
Tot Ion:107 Resp: 58263
 Ion Ratio Lower Upper
 107 100
 109 94.3 76.2 114.4



#62
 4-Bromofluorobenzene
 Concen: 47.350 ug/l
 RT: 12.37 min Scan# 3307
 Delta R.T. -0.00 min
 Lab File: VN064270.D
 Acq: 22 Oct 2020 23:13

Tgt Ion: 95 Resp: 202454
 Ion Ratio Lower Upper
 95 100
 174 73.9 0.0 144.4
 176 70.8 0.0 139.2

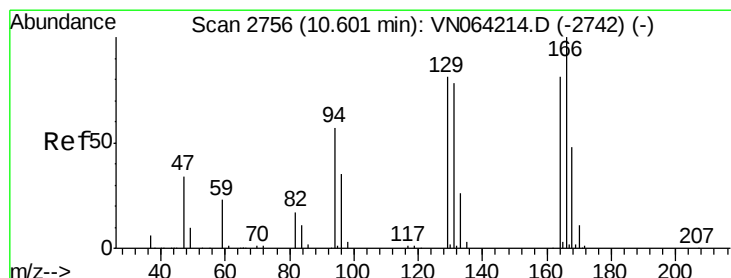
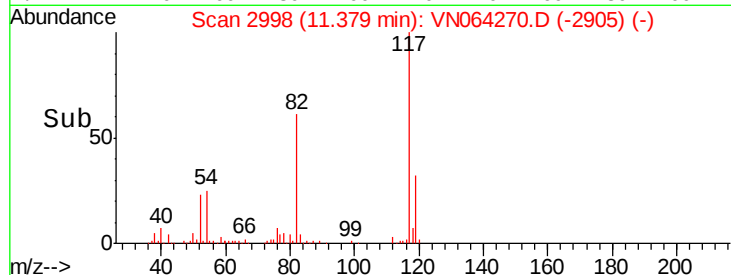
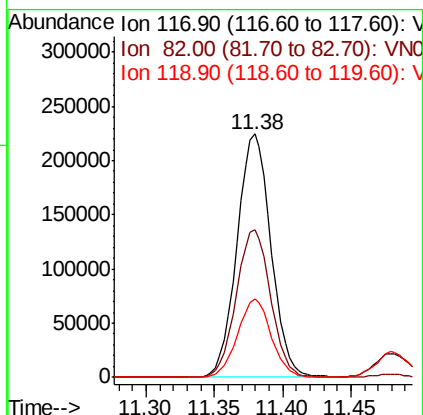
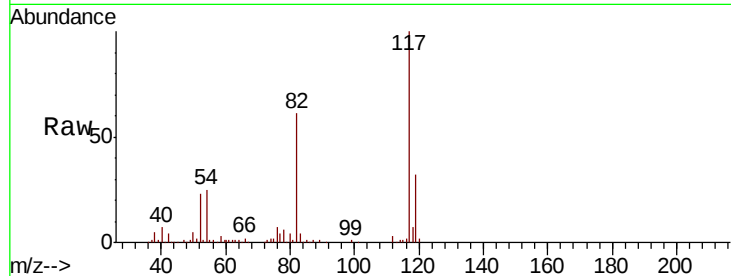




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. -0.00 min
Lab File: VN064270.D
Acq: 22 Oct 2020 23:13

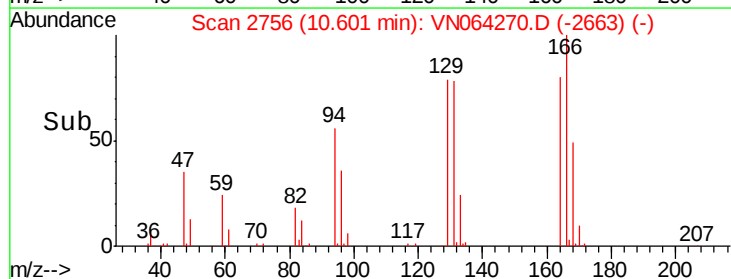
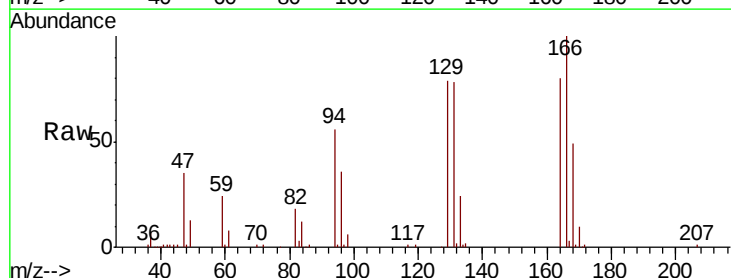
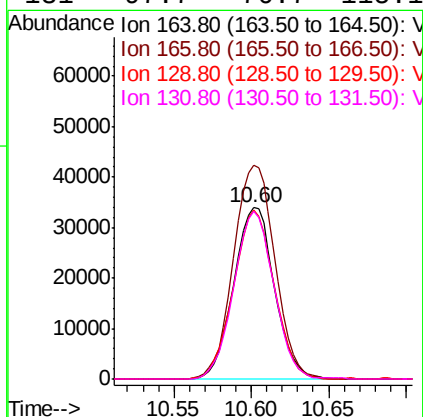
Instrument :
MSVOA_N
ClientSampleId :
VN1022MBS01

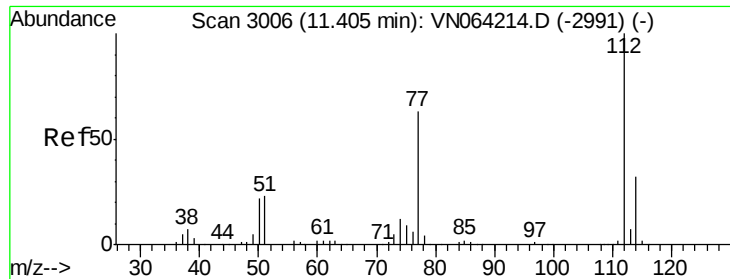
Tot Ion	Ratio	Lower	Upper
117	100		
82	60.5	48.8	73.2
119	32.1	24.7	37.1



#64
Tetrachloroethene
Concen: 19.900 ug/l
RT: 10.60 min Scan# 2756
Delta R.T. -0.00 min
Lab File: VN064270.D
Acq: 22 Oct 2020 23:13

Tgt Ion	Ratio	Lower	Upper
164	100		
166	124.9	98.9	148.3
129	99.0	79.9	119.9
131	97.7	76.7	115.1

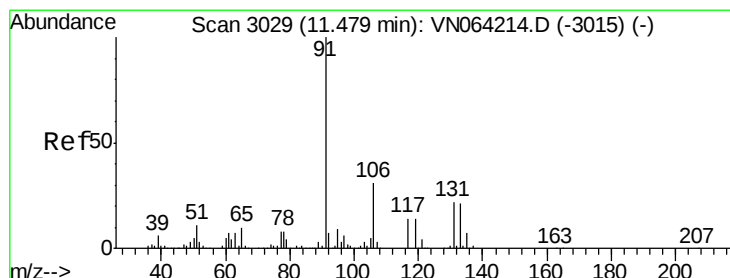
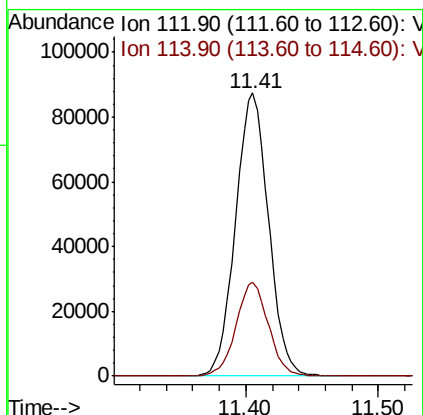
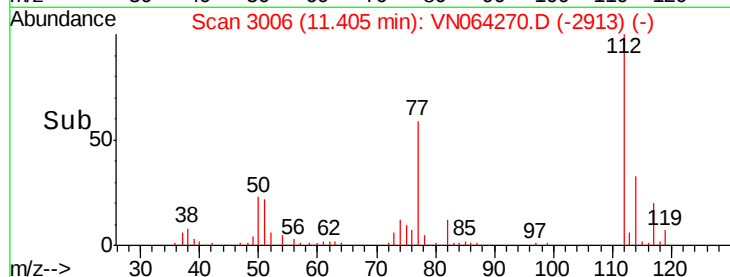
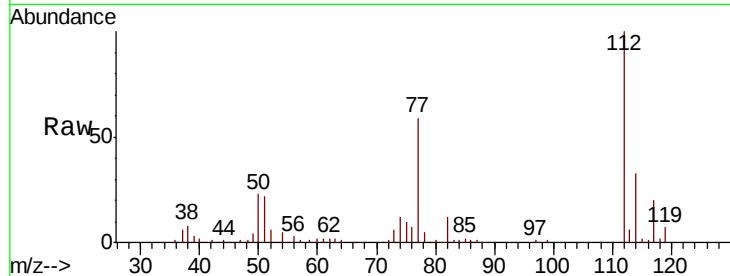




#65
Chlorobenzene
Concen: 18.851 ug/l
RT: 11.41 min Scan# 3006
Delta R.T. -0.00 min
Lab File: VN064270.D
Acq: 22 Oct 2020 23:13

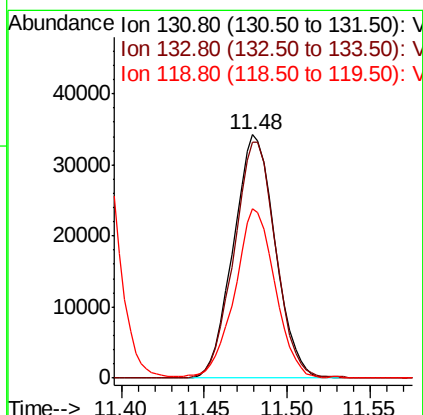
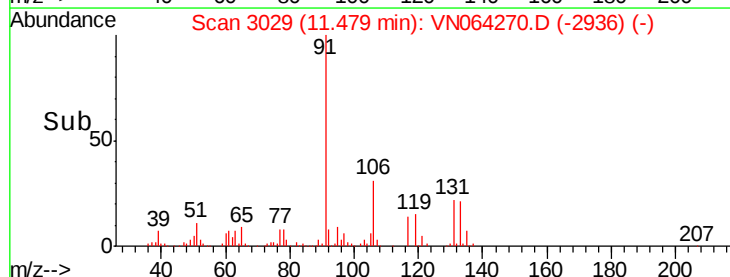
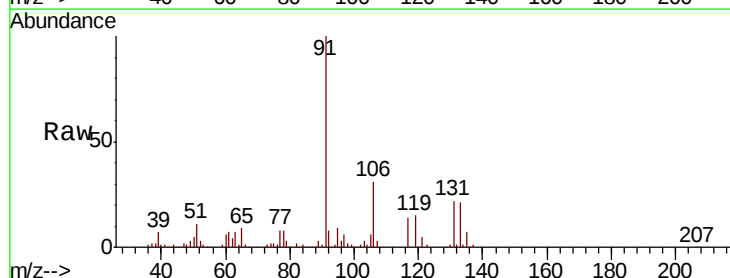
Instrument :
MSVOA_N
ClientSampled :
VN1022MBS01

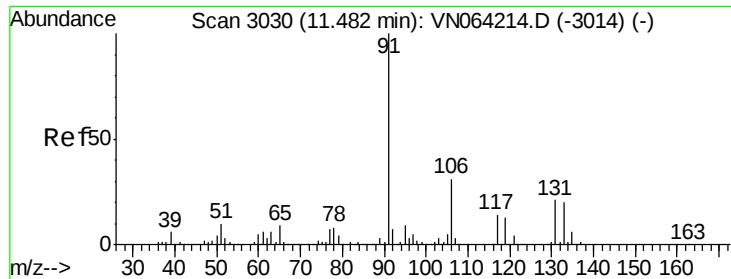
Tot Ion:112 Resp: 151233
Ion Ratio Lower Upper
112 100
114 33.4 25.7 38.5



#66
1,1,1,2-Tetrachloroethane
Concen: 18.858 ug/l
RT: 11.48 min Scan# 3029
Delta R.T. -0.00 min
Lab File: VN064270.D
Acq: 22 Oct 2020 23:13

Tgt Ion:131 Resp: 60050
Ion Ratio Lower Upper
131 100
133 96.8 47.8 143.4
119 67.3 32.2 96.6

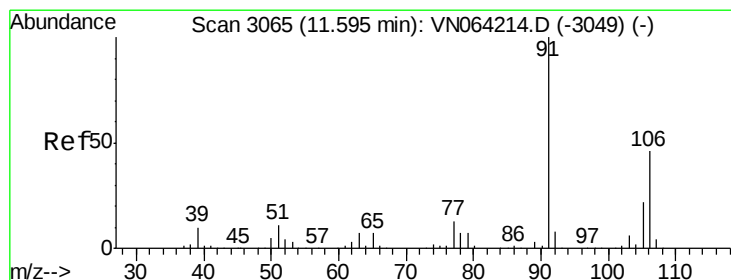
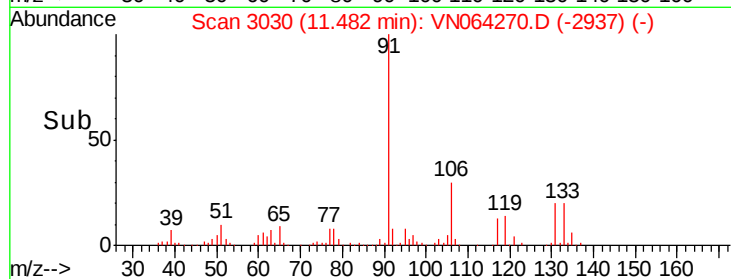
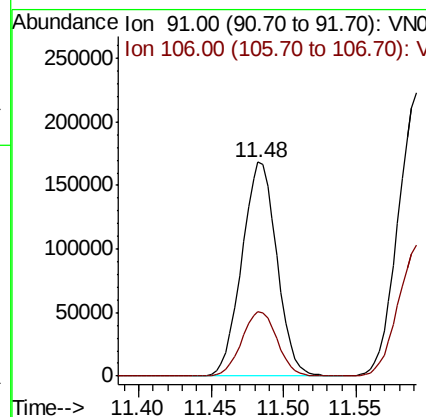
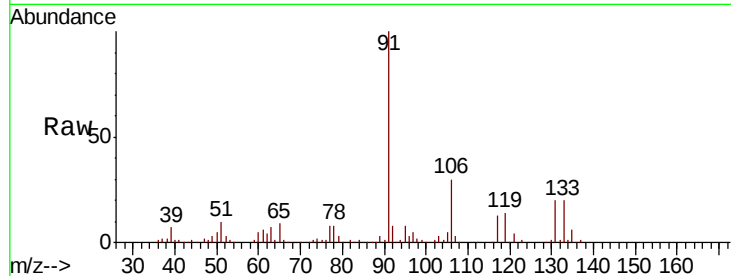




#67
Ethyl Benzene
Concen: 19.159 ug/l
RT: 11.48 min Scan# 3030
Delta R.T. -0.00 min
Lab File: VN064270.D
Acq: 22 Oct 2020 23:13

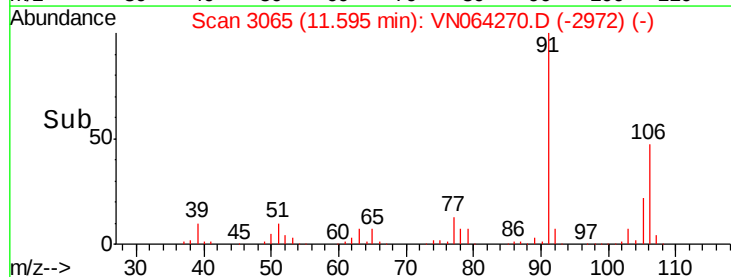
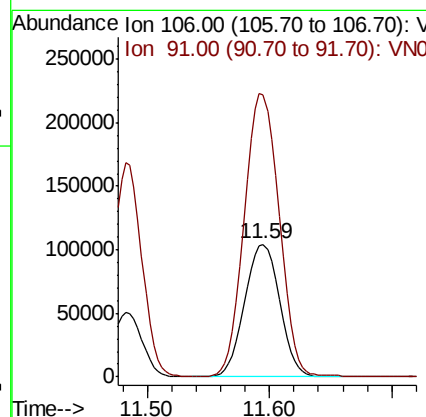
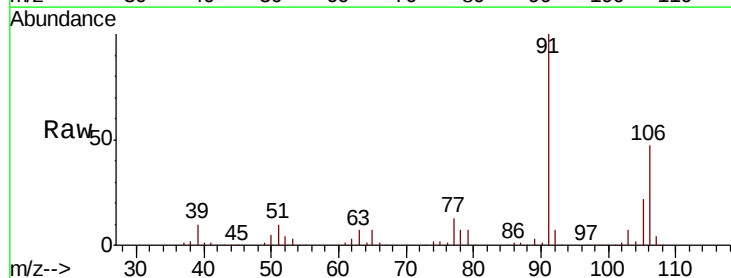
Instrument :
MSVOA_N
ClientSampled :
VN1022MBS01

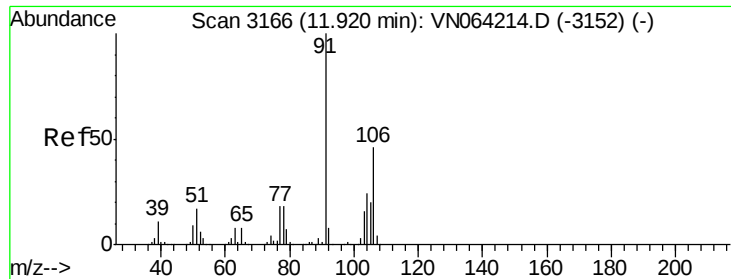
Tot Ion: 91 Resp: 282463
Ion Ratio Lower Upper
91 100
106 30.3 24.8 37.2



#68
m/p-Xylenes
Concen: 37.988 ug/l
RT: 11.59 min Scan# 3065
Delta R.T. -0.00 min
Lab File: VN064270.D
Acq: 22 Oct 2020 23:13

Tgt Ion: 106 Resp: 207507
Ion Ratio Lower Upper
106 100
91 212.0 172.2 258.2

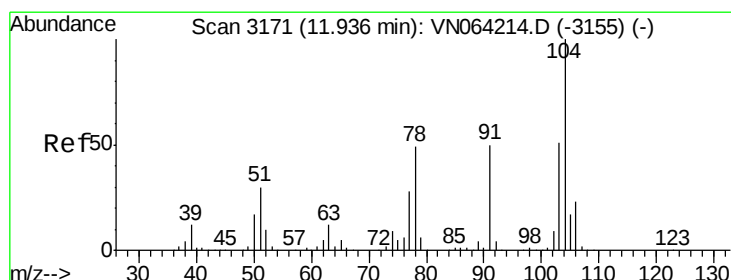
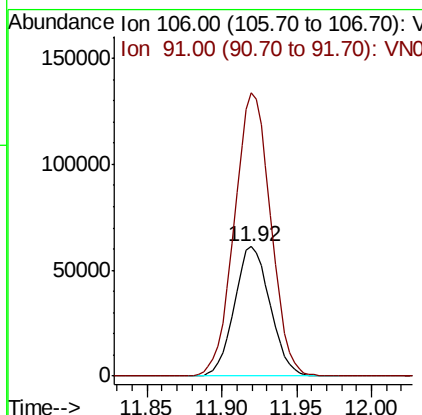
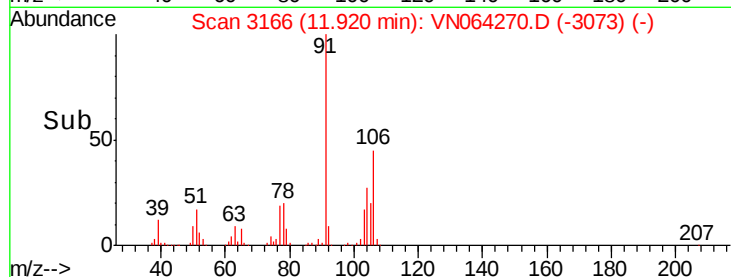
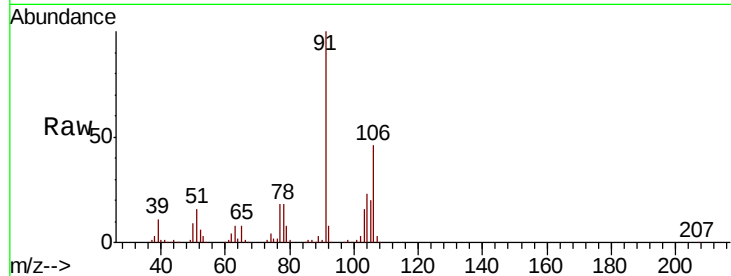




#69
o-Xylene
Concen: 19.295 ug/l
RT: 11.92 min Scan# 3166
Delta R.T. -0.00 min
Lab File: VN064270.D
Acq: 22 Oct 2020 23:13

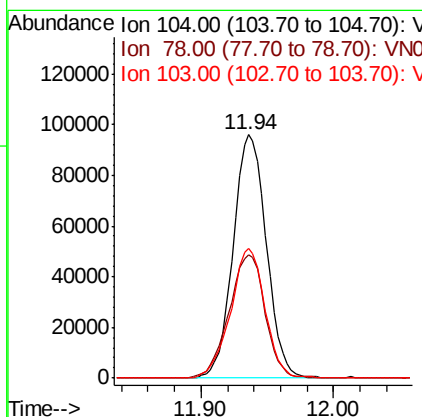
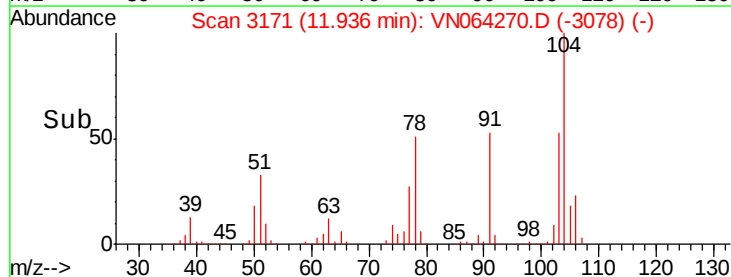
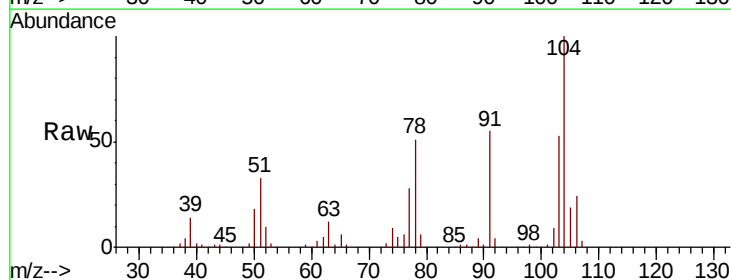
Instrument :
MSVOA_N
ClientSampled :
VN1022MBS01

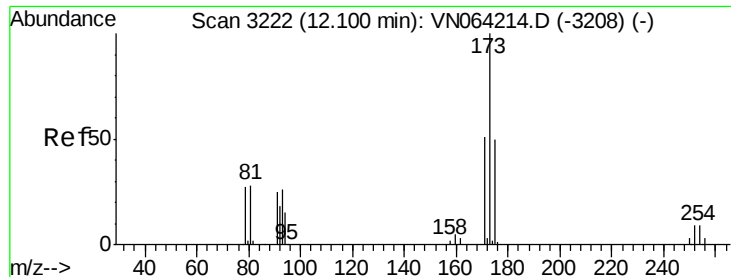
Tot Ion:106 Resp: 101937
Ion Ratio Lower Upper
106 100
91 221.8 109.9 329.6



#70
Styrene
Concen: 18.862 ug/l
RT: 11.94 min Scan# 3171
Delta R.T. -0.00 min
Lab File: VN064270.D
Acq: 22 Oct 2020 23:13

Tgt Ion:104 Resp: 167028
Ion Ratio Lower Upper
104 100
78 55.3 43.8 65.6
103 55.2 43.4 65.2





#71

Bromoform

Concen: 18.538 ug/l

RT: 12.10 min Scan# 3222

Delta R.T. -0.00 min

Lab File: VN064270.D

Acq: 22 Oct 2020 23:13

Instrument :

MSVOA_N

ClientSampleId :

VN1022MBS01

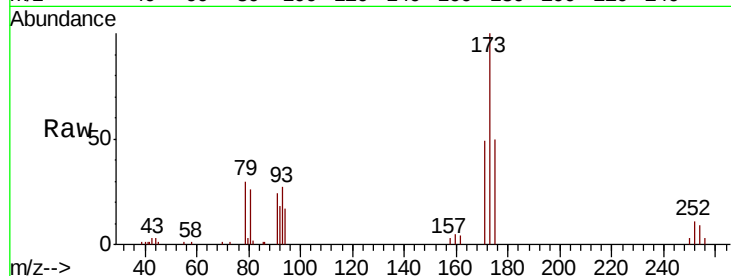
Tot Ion:173 Resp: 45601

Ion Ratio Lower Upper

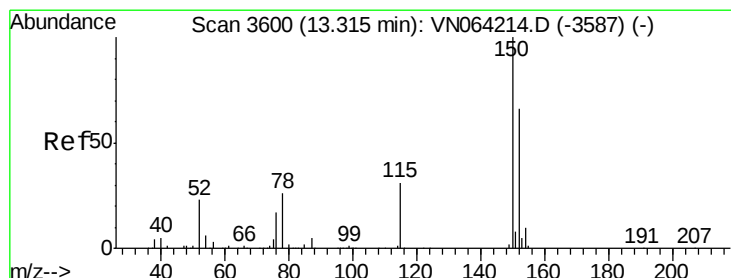
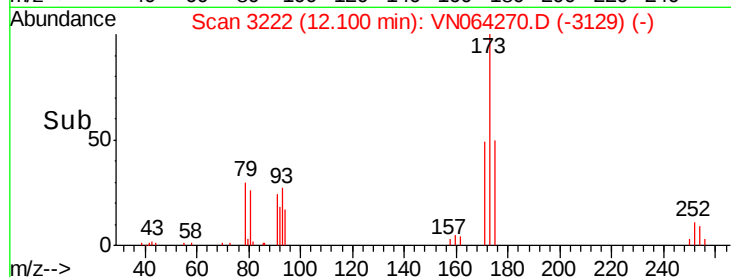
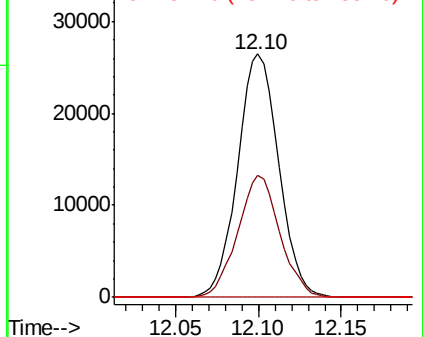
173 100

175 51.3 25.1 75.3

254 0.0 0.0 0.0



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3600

Delta R.T. -0.00 min

Lab File: VN064270.D

Acq: 22 Oct 2020 23:13

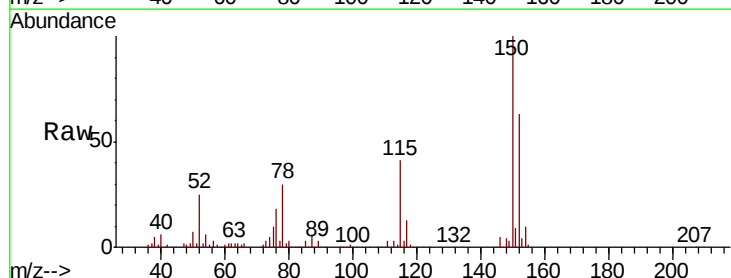
Tgt Ion:152 Resp: 184022

Ion Ratio Lower Upper

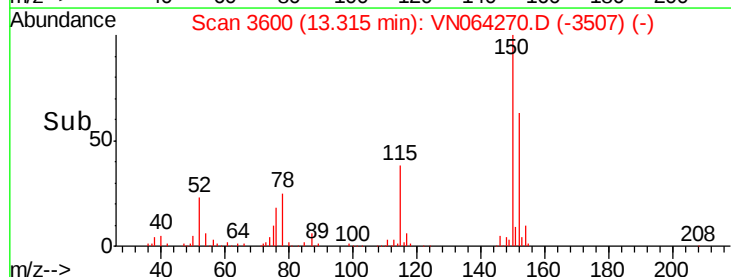
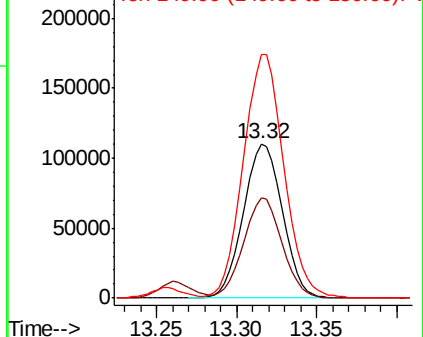
152 100

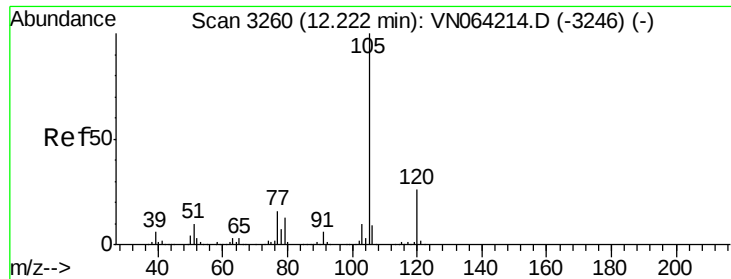
115 63.3 32.0 96.2

150 163.5 0.0 356.6



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





#73

Isopropylbenzene

Concen: 18.959 ug/l

RT: 12.22 min Scan# 3260

Delta R.T. -0.00 min

Lab File: VN064270.D

Acq: 22 Oct 2020 23:13

Instrument :

MSVOA_N

ClientSampleId :

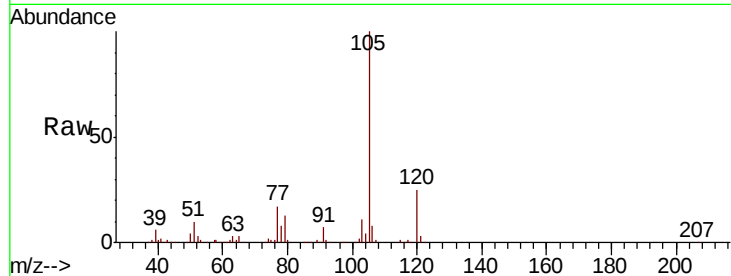
VN1022MBS01

Tot Ion:105 Resp: 266090

Ion Ratio Lower Upper

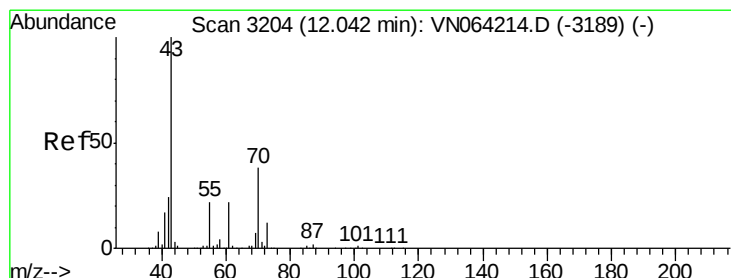
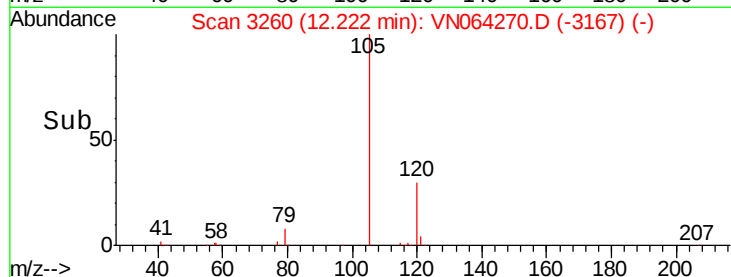
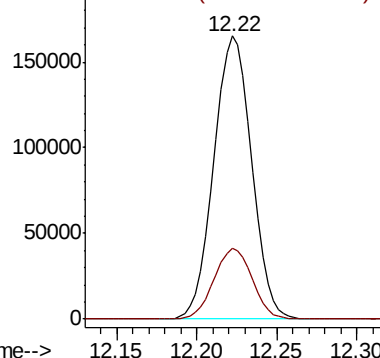
105 100

120 25.3 12.9 38.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 19.228 ug/l

RT: 12.05 min Scan# 3205

Delta R.T. 0.00 min

Lab File: VN064270.D

Acq: 22 Oct 2020 23:13

Tgt Ion: 43 Resp: 116613

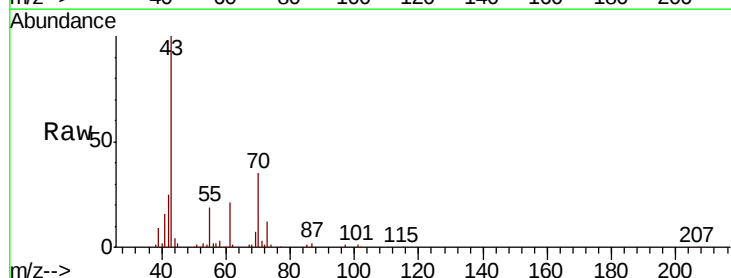
Ion Ratio Lower Upper

43 100

70 35.5 30.2 45.4

55 20.8 18.0 27.0

61 21.7 17.4 26.2

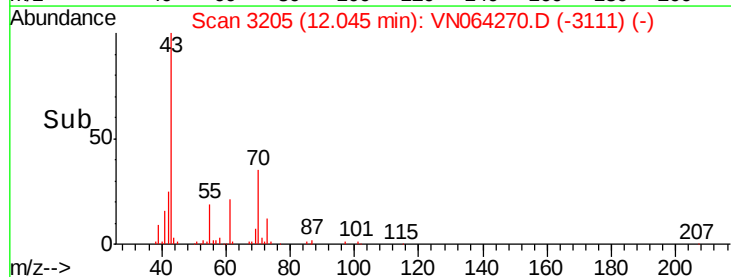
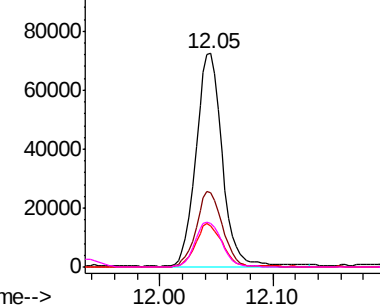


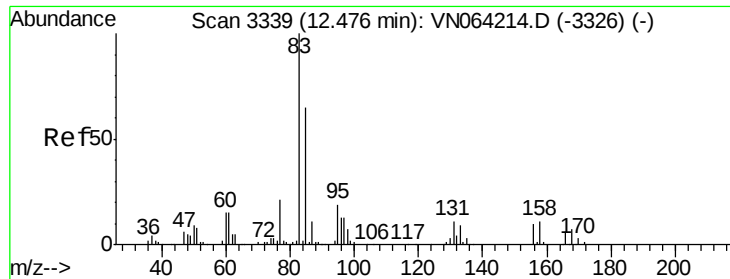
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 19.297 ug/l

RT: 12.48 min Scan# 3340

Delta R.T. 0.00 min

Lab File: VN064270.D

Acq: 22 Oct 2020 23:13

Instrument :

MSVOA_N

ClientSampled :

VN1022MBS01

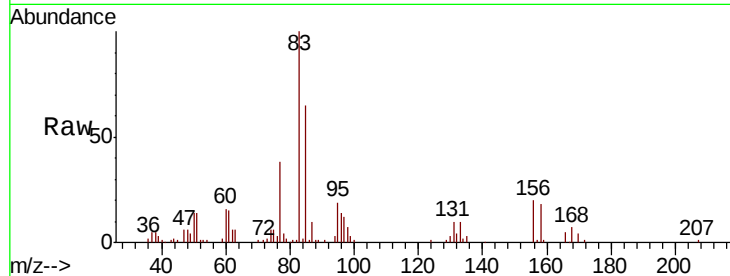
Tot Ion: 83 Resp: 71873

Ion Ratio Lower Upper

83 100

131 10.4 5.5 16.7

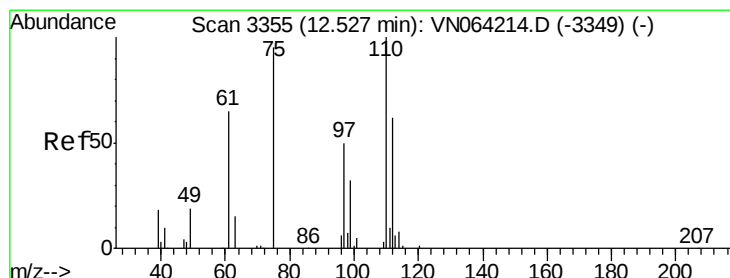
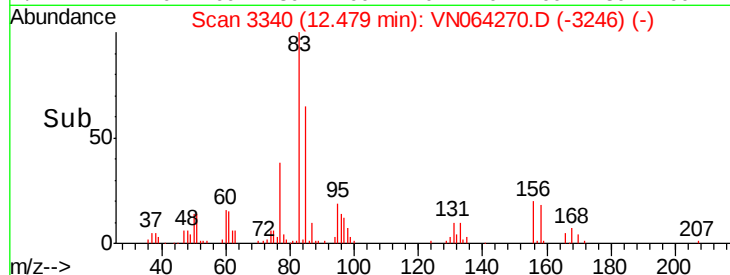
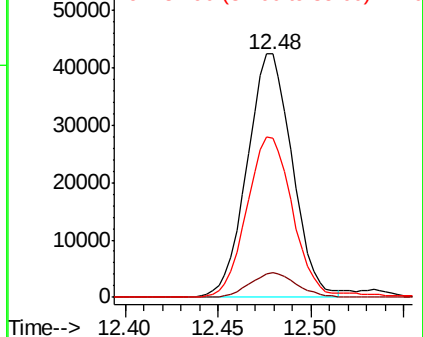
85 66.4 32.4 97.0



Abundance Ion 82.90 (82.60 to 83.60): VN064270.D (-3246) (-)

Ion 130.80 (130.50 to 131.50): VN064270.D (-3246) (-)

Ion 84.90 (84.60 to 85.60): VN064270.D (-3246) (-)



#76

1,2,3-Trichloropropane

Concen: 28.574 ug/l

RT: 12.53 min Scan# 3355

Delta R.T. -0.00 min

Lab File: VN064270.D

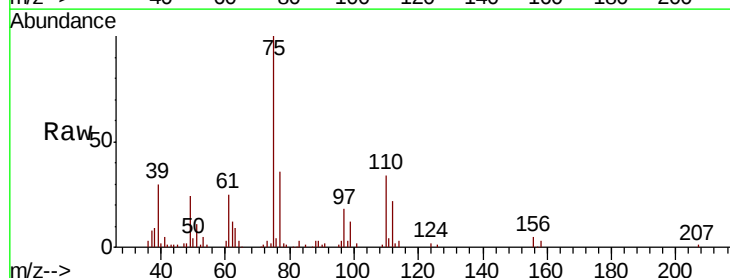
Acq: 22 Oct 2020 23:13

Tgt Ion: 75 Resp: 110851

Ion Ratio Lower Upper

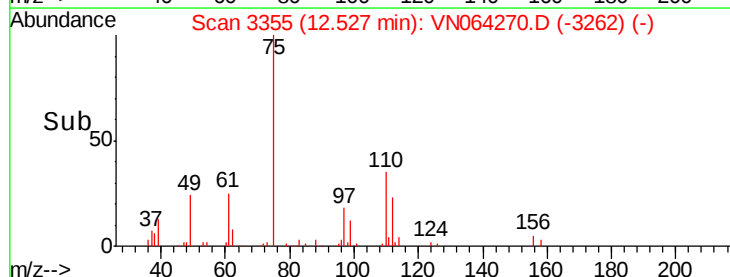
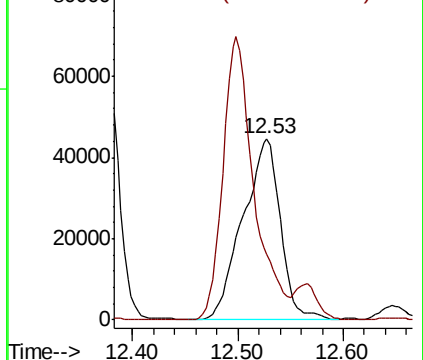
75 100

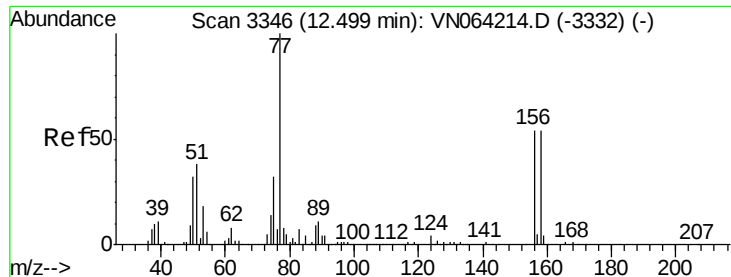
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN064270.D (-3262) (-)

Ion 77.00 (76.70 to 77.70): VN064270.D (-3262) (-)





#77

Bromobenzene

Concen: 19.667 ug/l

RT: 12.50 min Scan# 3346

Delta R.T. -0.00 min

Lab File: VN064270.D

Acq: 22 Oct 2020 23:13

Instrument :

MSVOA_N

ClientSampleId :

VN1022MBS01

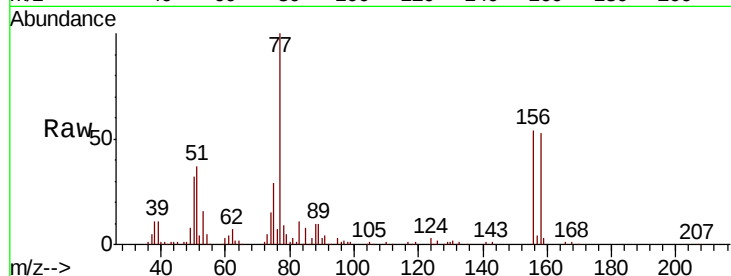
Tot Ion:156 Resp: 65165

Ion Ratio Lower Upper

156 100

77 217.8 111.1 333.4

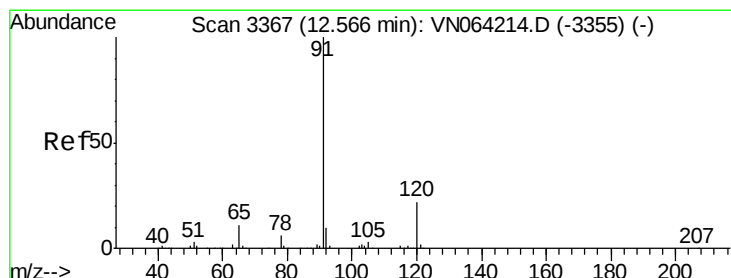
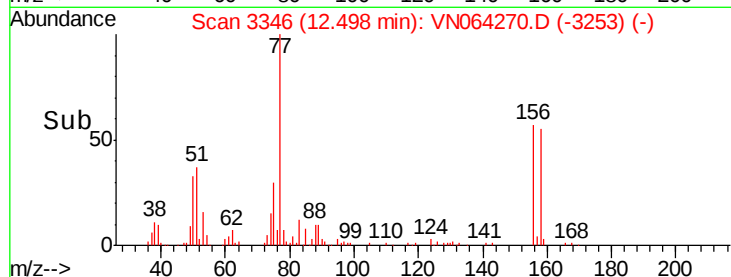
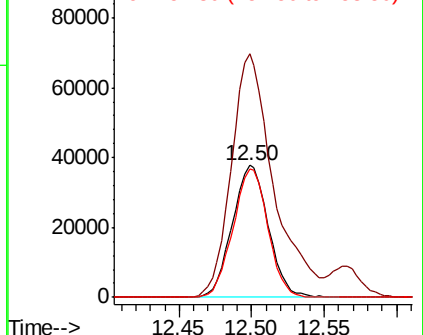
158 93.8 50.0 150.1



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 18.854 ug/l

RT: 12.57 min Scan# 3367

Delta R.T. -0.00 min

Lab File: VN064270.D

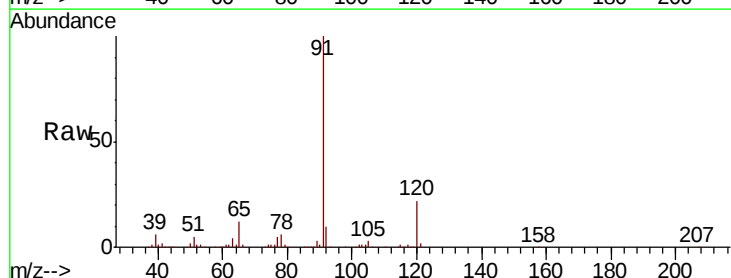
Acq: 22 Oct 2020 23:13

Tgt Ion: 91 Resp: 298359

Ion Ratio Lower Upper

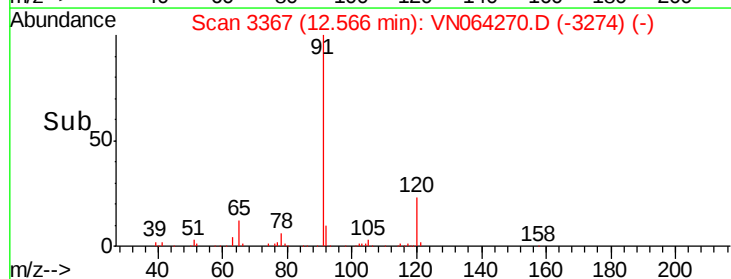
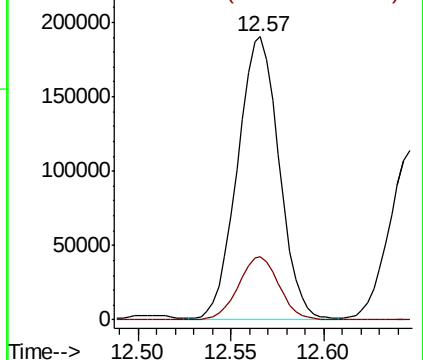
91 100

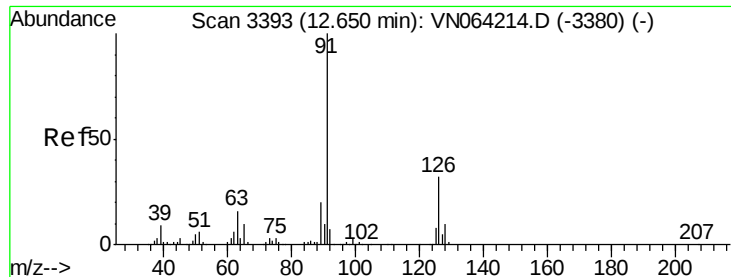
120 21.7 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.567 ug/l

RT: 12.65 min Scan# 3392

Delta R.T. -0.00 min

Lab File: VN064270.D

Acq: 22 Oct 2020 23:13

Instrument :

MSVOA_N

ClientSampleId :

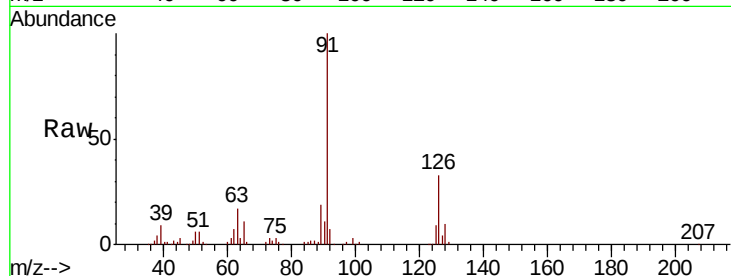
VN1022MBS01

Tot Ion: 91 Resp: 190191

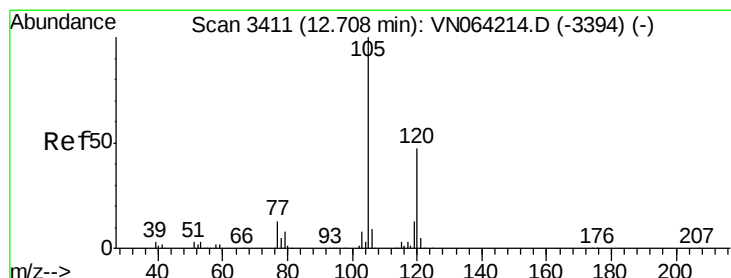
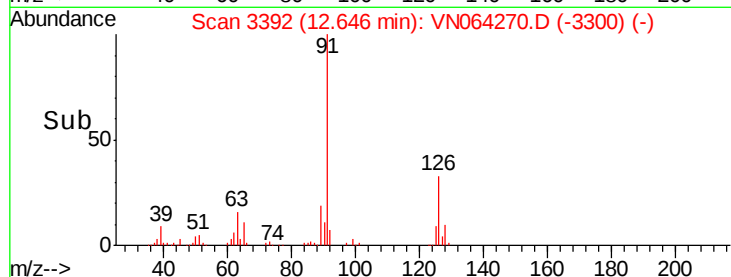
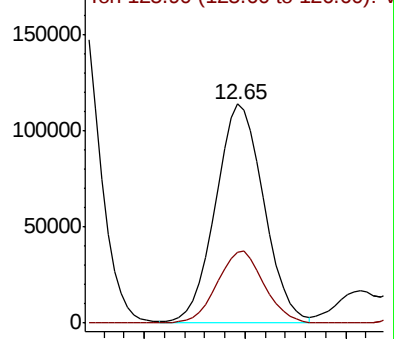
Ion Ratio Lower Upper

91 100

126 32.1 16.0 48.0



Abundance Ion 91.00 (90.70 to 91.70): VN064270.D (-3392) (-)



#80

1,3,5-Trimethylbenzene

Concen: 19.012 ug/l

RT: 12.71 min Scan# 3411

Delta R.T. -0.00 min

Lab File: VN064270.D

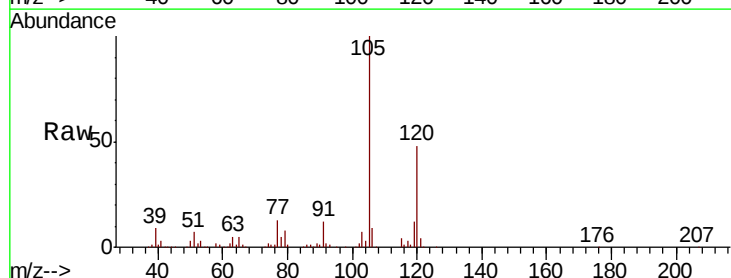
Acq: 22 Oct 2020 23:13

Tgt Ion:105 Resp: 225583

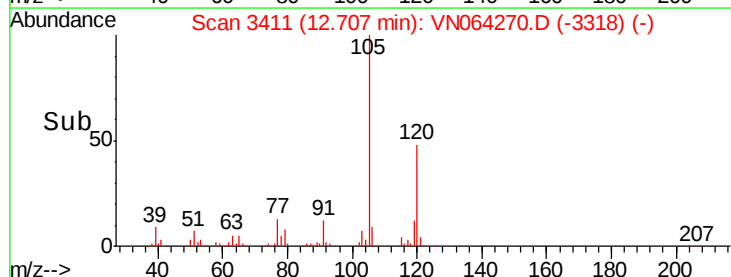
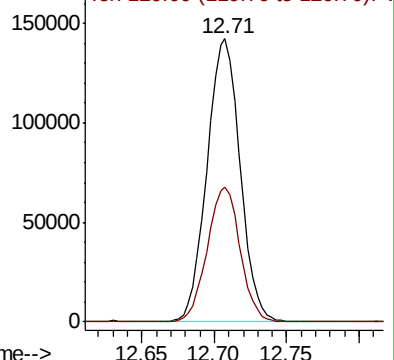
Ion Ratio Lower Upper

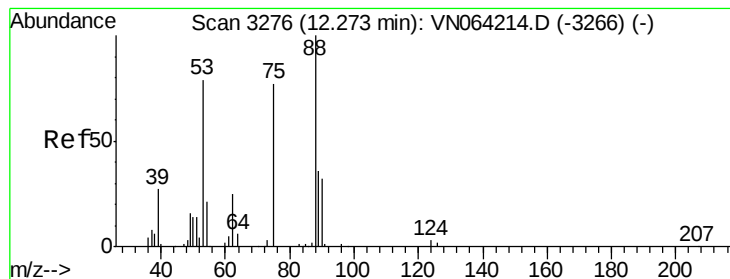
105 100

120 47.2 23.4 70.0



Abundance Ion 105.00 (104.70 to 105.70): VN064270.D (-3411) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 16.785 ug/l

RT: 12.27 min Scan# 3276

Delta R.T. -0.00 min

Lab File: VN064270.D

Acq: 22 Oct 2020 23:13

Instrument :

MSVOA_N

ClientSampleId :

VN1022MBS01

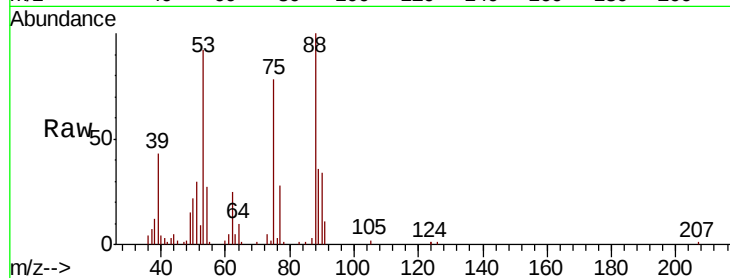
Tot Ion: 75 Resp: 25792

Ion Ratio Lower Upper

75 100

53 116.5 81.0 121.4

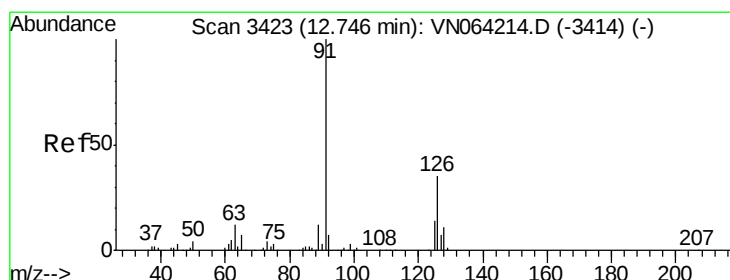
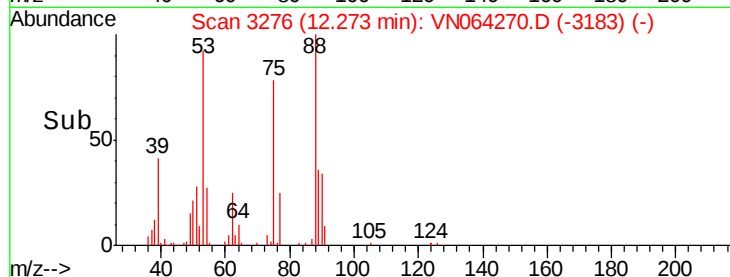
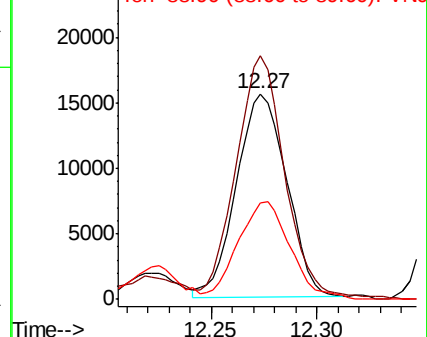
89 49.8 38.7 58.1



Abundance Ion 74.90 (74.60 to 75.60): VN064270.D (-3183) (-)

Ion 53.00 (52.70 to 53.70): VN064270.D (-3183) (-)

Ion 88.90 (88.60 to 89.60): VN064270.D (-3183) (-)



#82

4-Chlorotoluene

Concen: 19.289 ug/l

RT: 12.75 min Scan# 3423

Delta R.T. -0.00 min

Lab File: VN064270.D

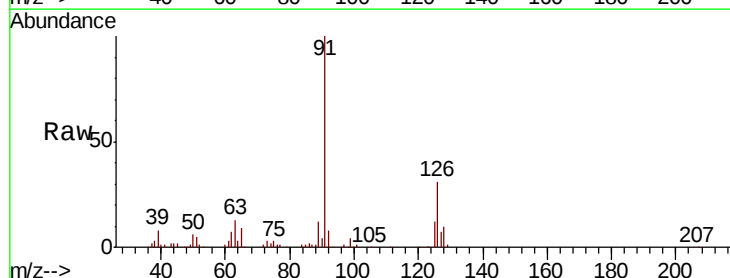
Acq: 22 Oct 2020 23:13

Tgt Ion: 91 Resp: 195569

Ion Ratio Lower Upper

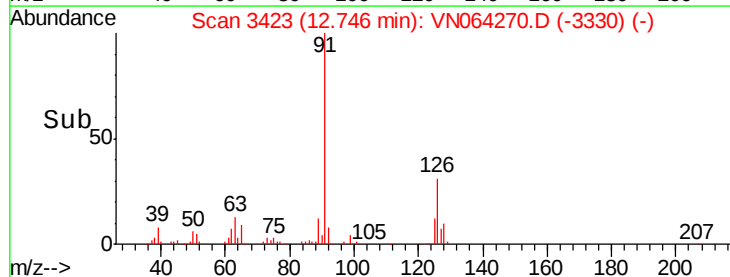
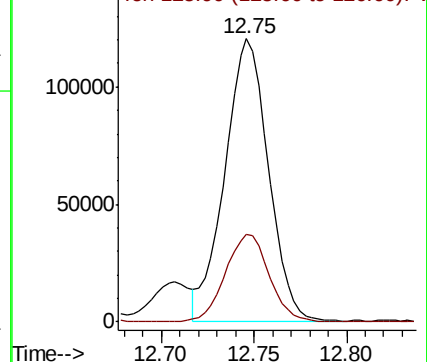
91 100

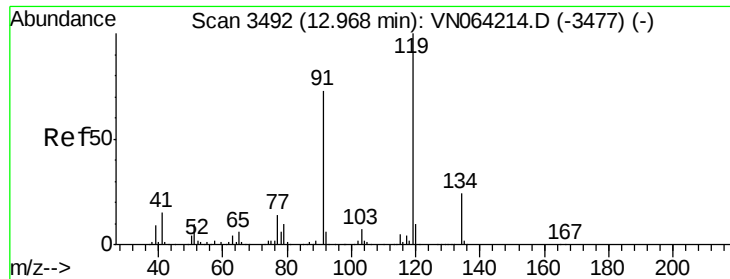
126 31.3 15.8 47.3



Abundance Ion 91.00 (90.70 to 91.70): VN064270.D (-3330) (-)

Ion 125.90 (125.60 to 126.60): VN064270.D (-3330) (-)

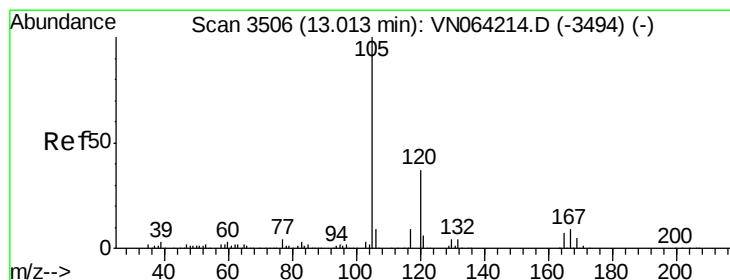
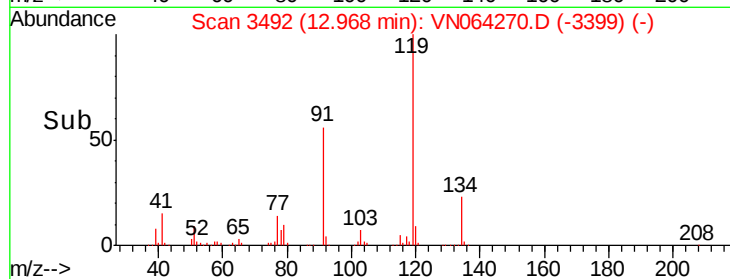
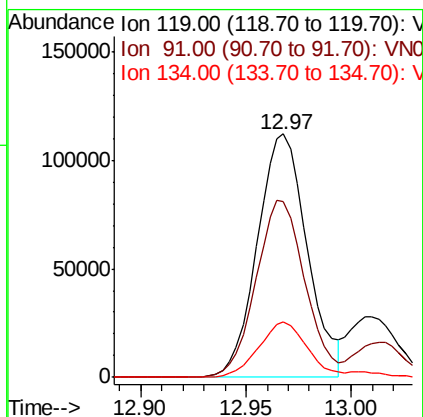
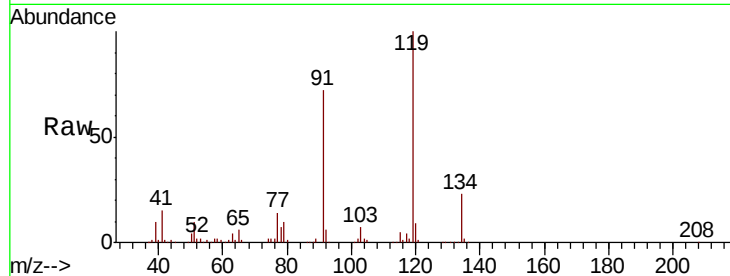




#83
 tert-Butylbenzene
 Concen: 18.977 ug/l
 RT: 12.97 min Scan# 3492
 Delta R.T. -0.00 min
 Lab File: VN064270.D
 Acq: 22 Oct 2020 23:13

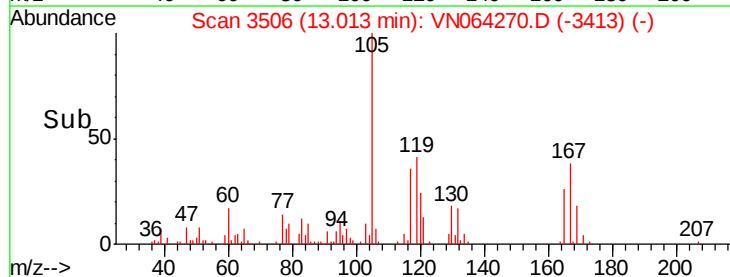
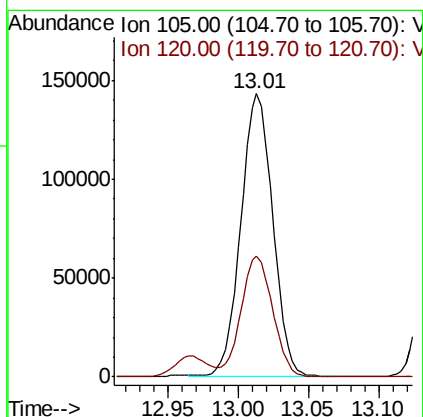
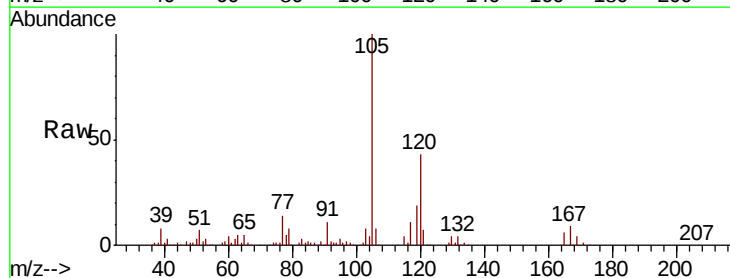
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1022MBS01

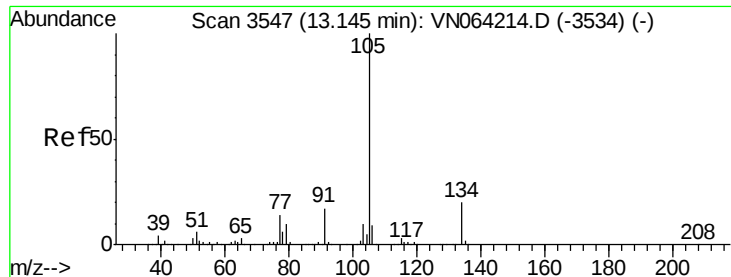
Tot Ion:119 Resp: 184610
 Ion Ratio Lower Upper
 119 100
 91 71.4 35.1 105.3
 134 22.2 11.6 34.8



#84
 1,2,4-Trimethylbenzene
 Concen: 19.381 ug/l
 RT: 13.01 min Scan# 3506
 Delta R.T. -0.00 min
 Lab File: VN064270.D
 Acq: 22 Oct 2020 23:13

Tgt Ion:105 Resp: 228886
 Ion Ratio Lower Upper
 105 100
 120 42.5 21.5 64.5





#85

sec-Butylbenzene

Concen: 19.602 ug/l

RT: 13.14 min Scan# 3547

Delta R.T. -0.00 min

Lab File: VN064270.D

Acq: 22 Oct 2020 23:13

Instrument :

MSVOA_N

ClientSampleId :

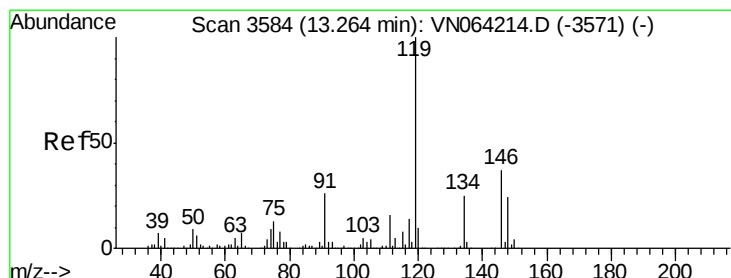
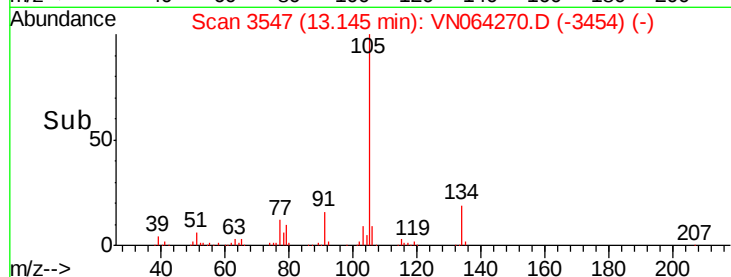
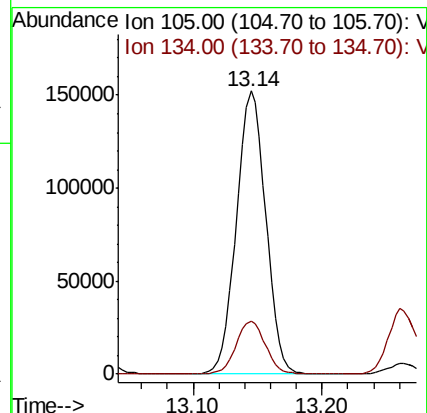
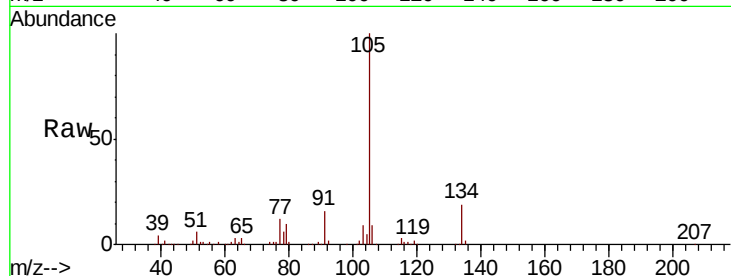
VN1022MBS01

Tot Ion:105 Resp: 240402

Ion Ratio Lower Upper

105 100

134 18.8 9.7 29.1



#86

p-Isopropyltoluene

Concen: 18.945 ug/l

RT: 13.26 min Scan# 3583

Delta R.T. -0.00 min

Lab File: VN064270.D

Acq: 22 Oct 2020 23:13

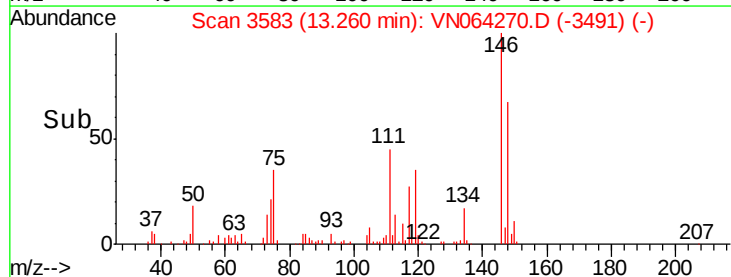
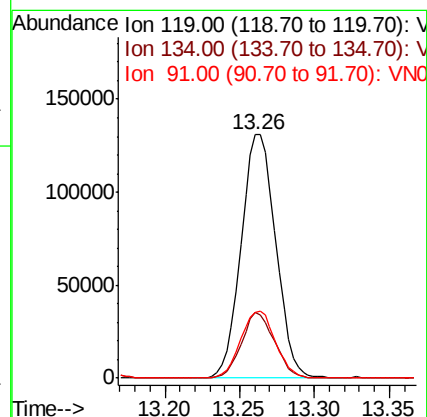
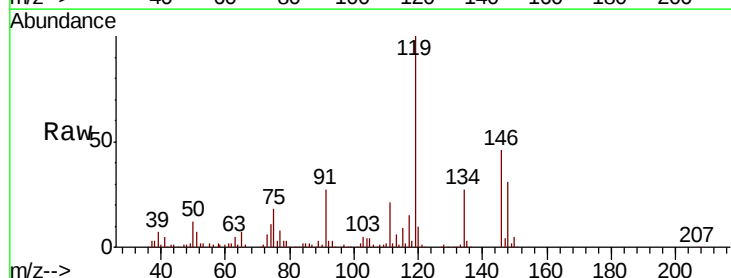
Tgt Ion:119 Resp: 211583

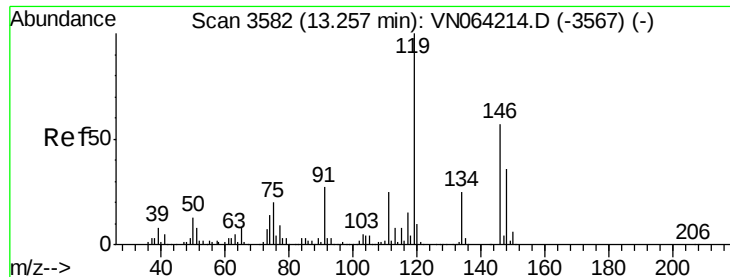
Ion Ratio Lower Upper

119 100

134 25.5 13.1 39.3

91 27.8 13.4 40.2





#87

1,3-Dichlorobenzene

Concen: 19.074 ug/l

RT: 13.25 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN064270.D

Acq: 22 Oct 2020 23:13

Instrument :

MSVOA_N

ClientSampleId :

VN1022MBS01

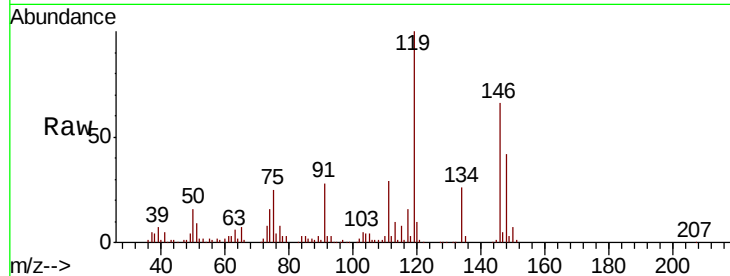
Tot Ion:146 Resp: 112455

Ion Ratio Lower Upper

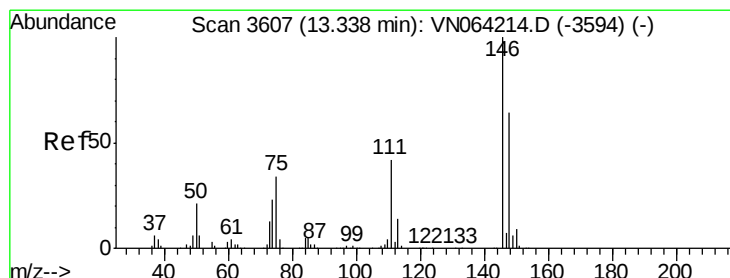
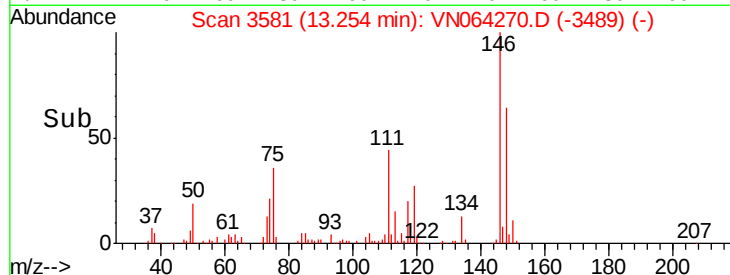
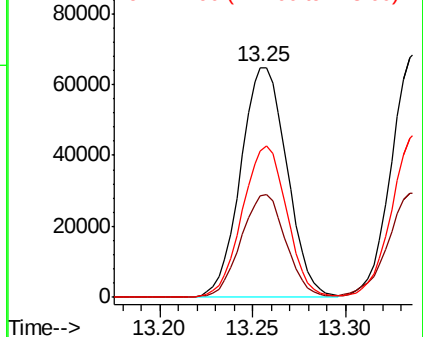
146 100

111 43.3 21.6 65.0

148 63.4 31.7 95.1



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 18.318 ug/l

RT: 13.34 min Scan# 3607

Delta R.T. -0.00 min

Lab File: VN064270.D

Acq: 22 Oct 2020 23:13

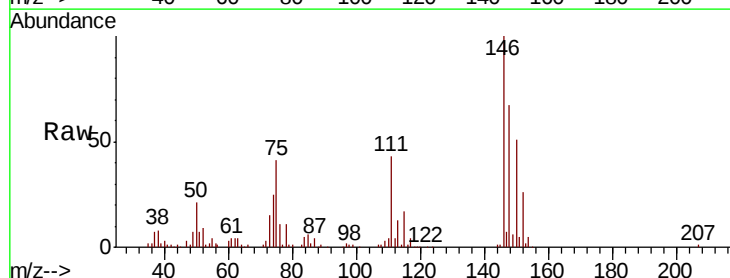
Tgt Ion:146 Resp: 110539

Ion Ratio Lower Upper

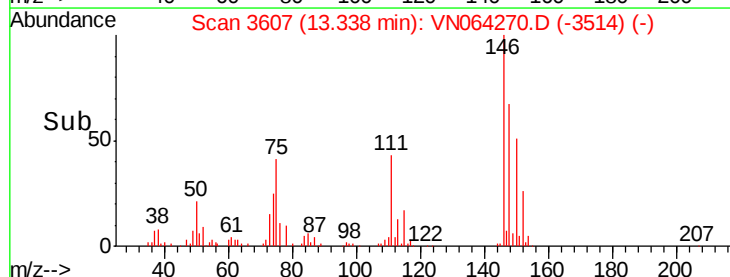
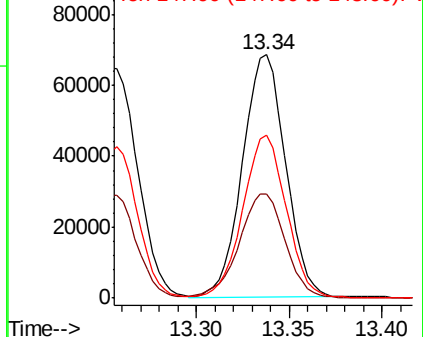
146 100

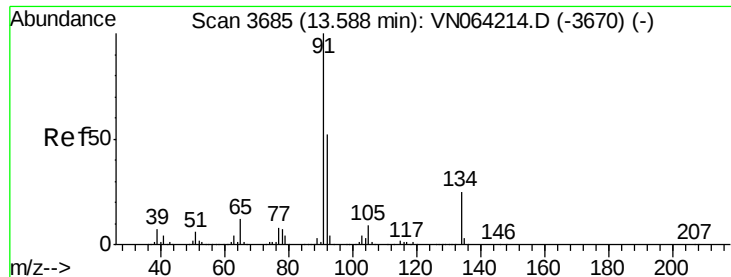
111 45.5 21.5 64.5

148 68.1 32.0 96.0



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 18.388 ug/l

RT: 13.59 min Scan# 3685

Delta R.T. -0.00 min

Lab File: VN064270.D

Acq: 22 Oct 2020 23:13

Instrument :

MSVOA_N

ClientSampleId :

VN1022MBS01

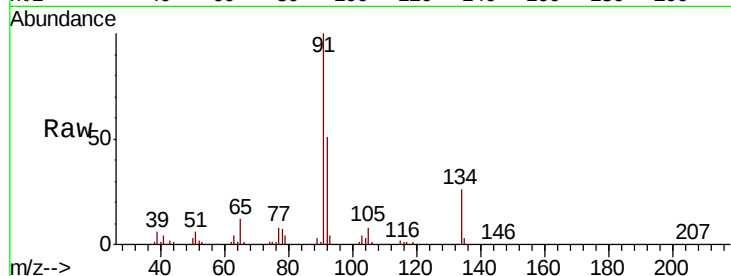
Tot Ion: 91 Resp: 184090

Ion Ratio Lower Upper

91 100

92 50.8 25.7 77.0

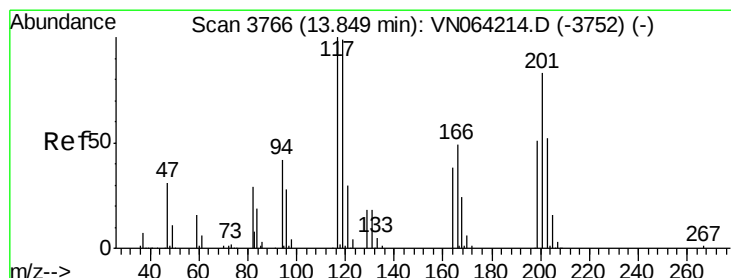
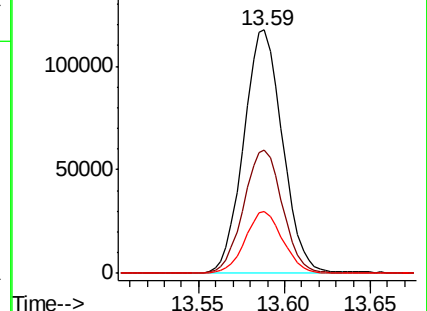
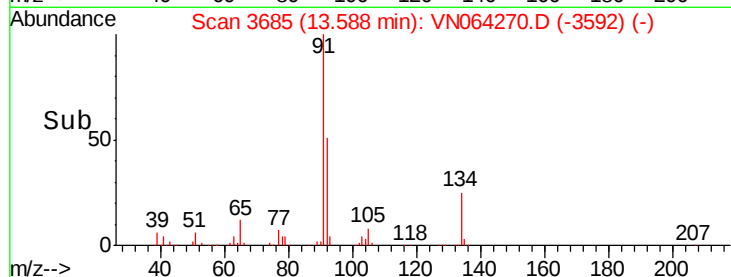
134 24.7 12.3 36.8



Abundance Ion 91.00 (90.70 to 91.70): VN064270.D (-3673) (-)

Ion 92.00 (91.70 to 92.70): VN064270.D (-3673) (-)

Ion 134.00 (133.70 to 134.70): VN064270.D (-3673) (-)



#90

Hexachloroethane

Concen: 17.882 ug/l

RT: 13.85 min Scan# 3765

Delta R.T. -0.00 min

Lab File: VN064270.D

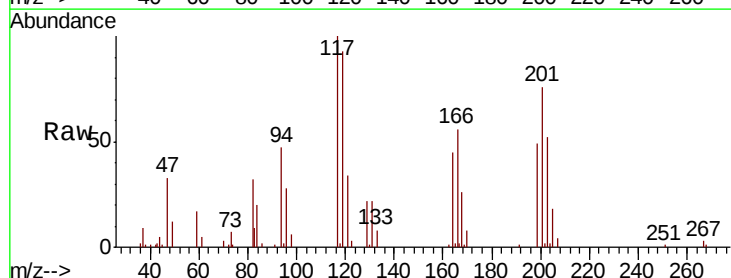
Acq: 22 Oct 2020 23:13

Tgt Ion: 117 Resp: 36170

Ion Ratio Lower Upper

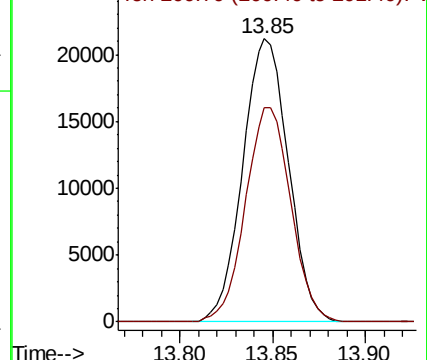
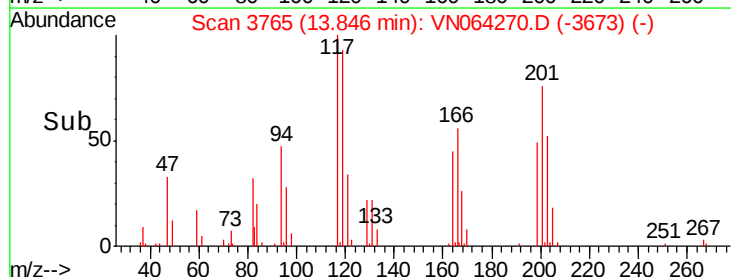
117 100

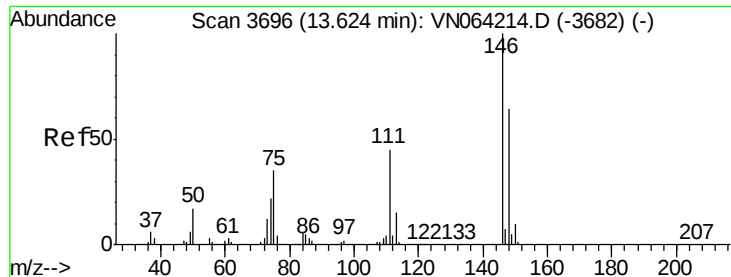
201 75.3 40.1 120.3



Abundance Ion 116.80 (116.50 to 117.50): VN064270.D (-3673) (-)

Ion 200.70 (200.40 to 201.40): VN064270.D (-3673) (-)

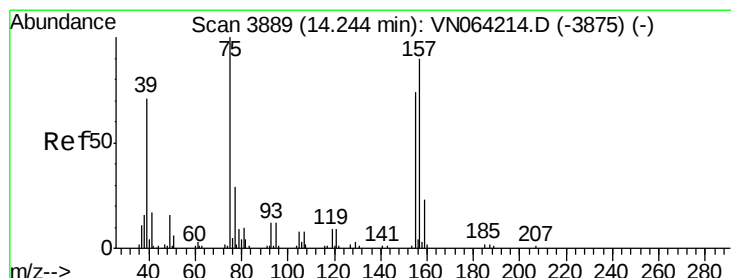
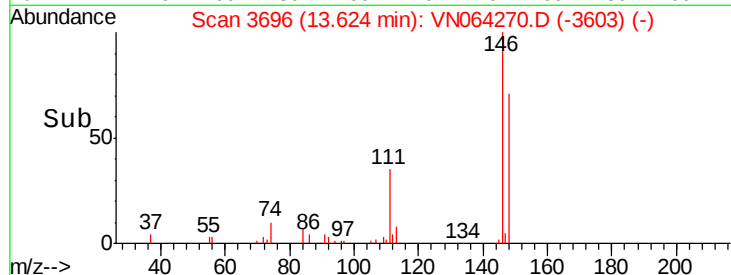
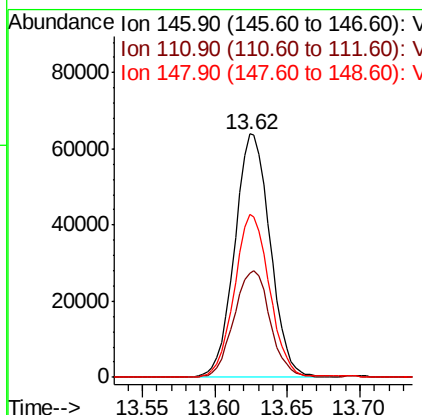
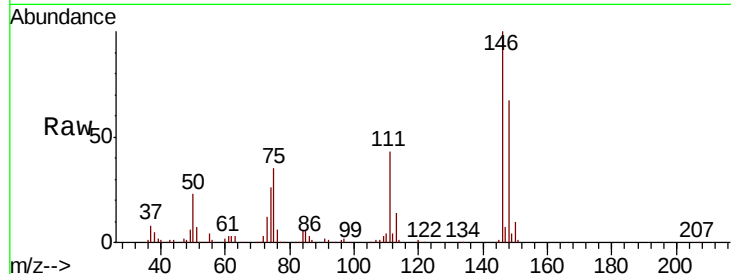




#91
 1,2-Dichlorobenzene
 Concen: 18.832 ug/l
 RT: 13.62 min Scan# 3696
 Delta R.T. -0.00 min
 Lab File: VN064270.D
 Acq: 22 Oct 2020 23:13

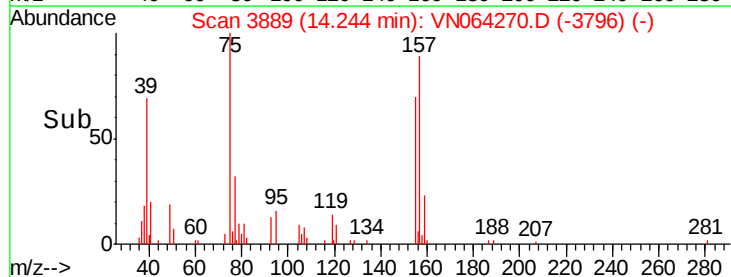
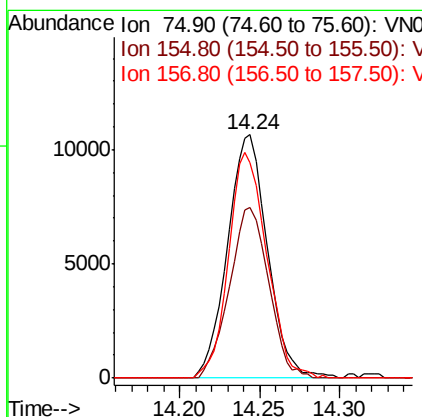
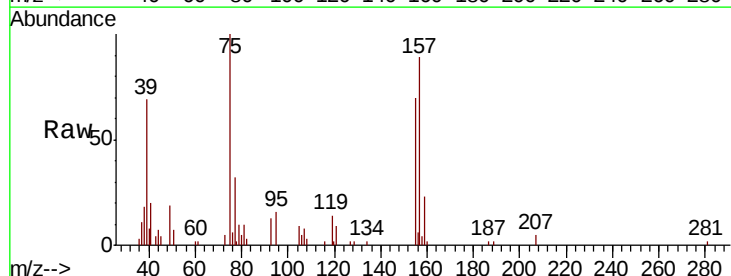
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1022MBS01

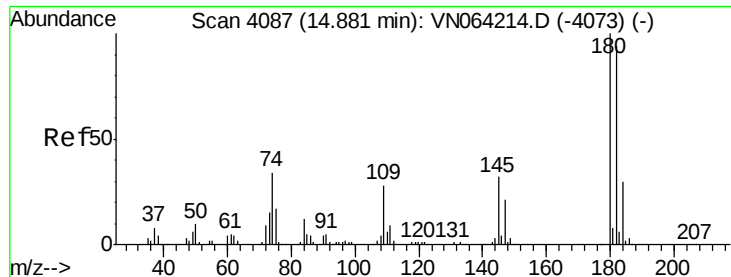
Tot Ion:146 Resp: 108924
 Ion Ratio Lower Upper
 146 100
 111 44.4 22.9 68.7
 148 66.1 31.9 95.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.523 ug/l
 RT: 14.24 min Scan# 3889
 Delta R.T. -0.00 min
 Lab File: VN064270.D
 Acq: 22 Oct 2020 23:13

Tgt Ion: 75 Resp: 18141
 Ion Ratio Lower Upper
 75 100
 155 68.5 36.9 110.7
 157 88.7 44.6 133.8

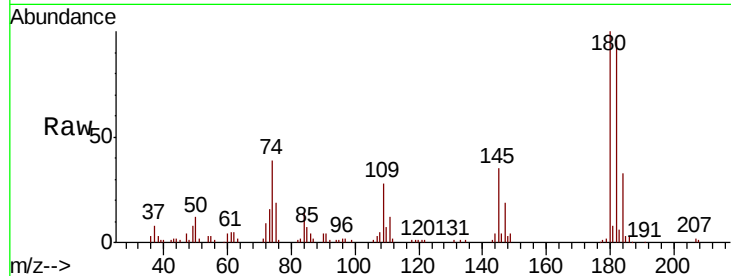




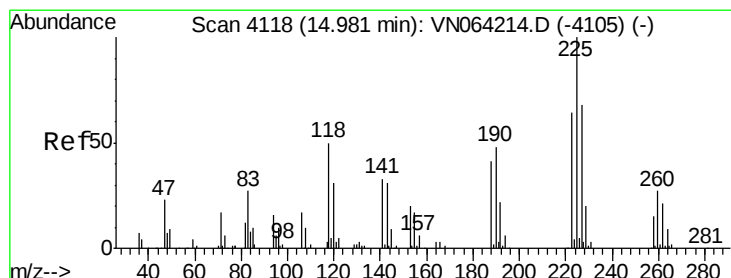
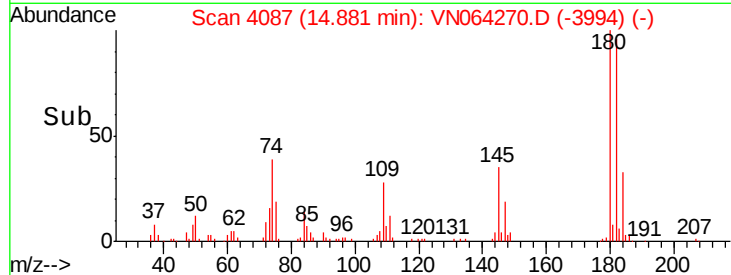
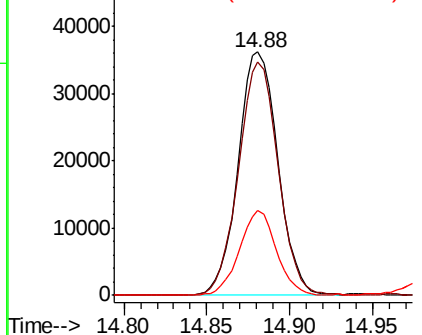
#93
 1,2,4-Trichlorobenzene
 Concen: 18.637 ug/l
 RT: 14.88 min Scan# 4087
 Delta R.T. -0.00 min
 Lab File: VN064270.D
 Acq: 22 Oct 2020 23:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1022MBS01

Tot Ion:180 Resp: 60458
 Ion Ratio Lower Upper
 180 100
 182 95.1 46.9 140.7
 145 32.3 16.1 48.3

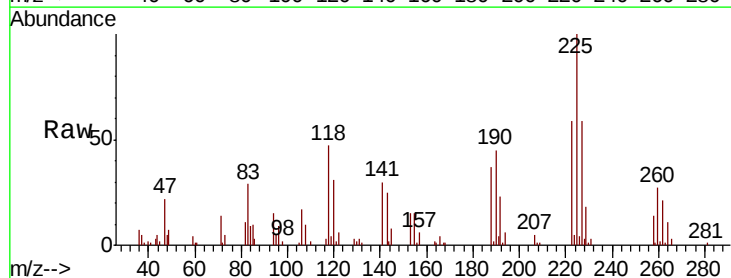


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

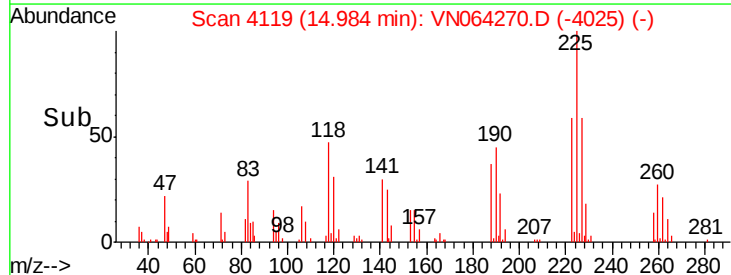
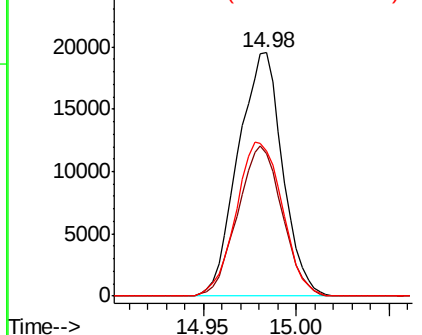


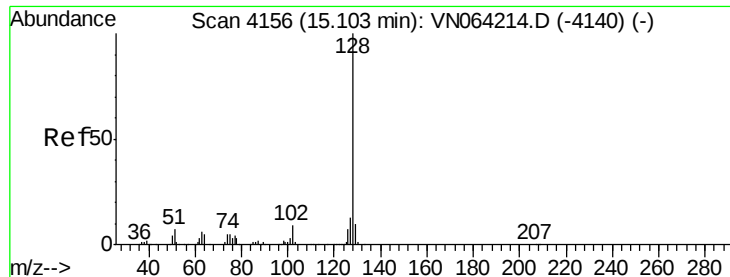
#94
 Hexachlorobutadiene
 Concen: 18.579 ug/l
 RT: 14.98 min Scan# 4119
 Delta R.T. 0.00 min
 Lab File: VN064270.D
 Acq: 22 Oct 2020 23:13

Tgt Ion:225 Resp: 32507
 Ion Ratio Lower Upper
 225 100
 223 61.7 31.5 94.5
 227 65.6 32.1 96.5



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 19.197 ug/l

RT: 15.10 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN064270.D

Acq: 22 Oct 2020 23:13

Instrument :

MSVOA_N

ClientSampled :

VN1022MBS01

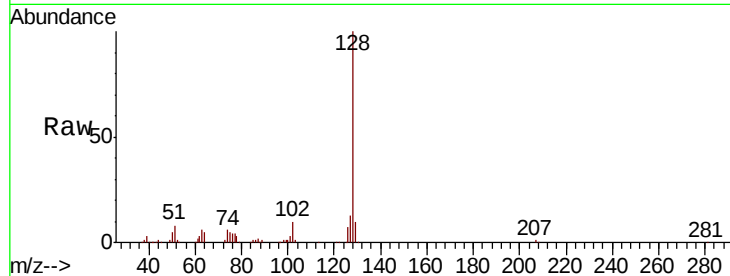
Tot Ion:128 Resp: 186494

Ion Ratio Lower Upper

128 100

127 12.9 10.5 15.7

129 10.8 8.6 12.8



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

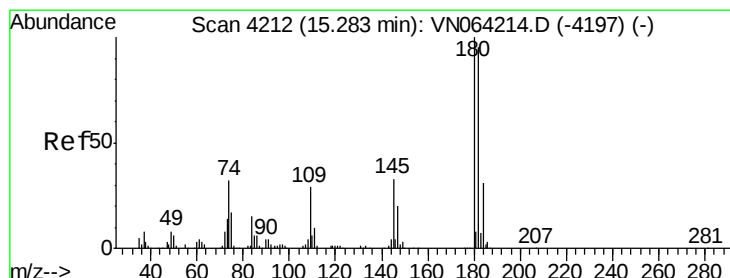
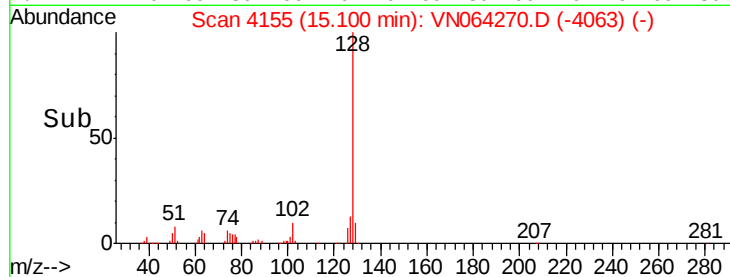
15.10

100000

50000

0

Time-->



#96

1,2,3-Trichlorobenzene

Concen: 18.468 ug/l

RT: 15.28 min Scan# 4211

Delta R.T. -0.00 min

Lab File: VN064270.D

Acq: 22 Oct 2020 23:13

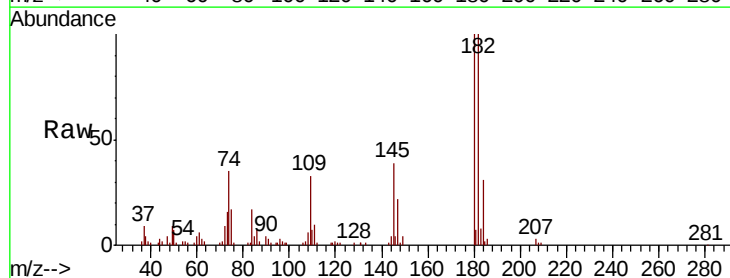
Tgt Ion:180 Resp: 59338

Ion Ratio Lower Upper

180 100

182 96.5 48.0 144.2

145 35.2 17.1 51.3



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

15.28

40000

30000

20000

10000

0

Time-->

