

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN021020\
 Data File : VN060037.D
 Acq On : 10 Feb 2020 11:46
 Operator : JC/MD
 Sample : VN0210WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0210WBSD01

Manual Integrations
 APPROVED

MMDadoda
 2/11/2020 11:04:07 AM

Quant Time: Feb 11 07:24:57 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N011320W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jan 18 03:09:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	173563	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	272889	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	250972	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	118354	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	109191	56.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.30%	
35) Dibromofluoromethane	7.56	113	88384	54.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.62%	
50) Toluene-d8	10.08	98	321336	50.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.92%	
62) 4-Bromofluorobenzene	12.40	95	119988	52.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.58%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	29817	14.197	ug/l	100
3) Chloromethane	2.04	50	32691	16.452	ug/l	100
4) Vinyl Chloride	2.17	62	40055	17.618	ug/l	96
5) Bromomethane	2.55	94	24652	17.767	ug/l	100
6) Chloroethane	2.69	64	19706	18.320	ug/l	100
7) Trichlorofluoromethane	3.00	101	49560	18.151	ug/l	100
8) Diethyl Ether	3.39	74	18527	19.335	ug/l	88
9) 1,1,2-Trichlorotrifluoroet	3.74	101	29902	19.677	ug/l	95
10) Methyl Iodide	3.93	142	37530	15.279	ug/l	95
11) Tert butyl alcohol	4.73	59	32559	100.343	ug/l	98
12) 1,1-Dichloroethene	3.72	96	27034	17.025	ug/l	89
13) Acrolein	3.58	56	18081	78.719	ug/l	99
14) Allyl chloride	4.30	41	41058	19.183	ug/l #	86
15) Acrylonitrile	4.94	53	76415	103.241	ug/l	98
16) Acetone	3.78	43	88574	129.925	ug/l	96
17) Carbon Disulfide	4.03	76	62169	13.744	ug/l	99
18) Methyl Acetate	4.29	43	48540	21.560	ug/l	94
19) Methyl tert-butyl Ether	5.00	73	107964	20.853	ug/l	95
20) Methylene Chloride	4.52	84	33664	18.489	ug/l	94
21) trans-1,2-Dichloroethene	5.01	96	30241	17.916	ug/l	91
22) Diisopropyl ether	5.91	45	101922	21.013	ug/l #	91
23) Vinyl Acetate	5.86	43	382781	101.929	ug/l	96
24) 1,1-Dichloroethane	5.82	63	59384	20.037	ug/l	97
25) 2-Butanone	6.80	43	113074	103.594	ug/l	92
26) 2,2-Dichloropropane	6.80	77	56282	19.753	ug/l	97
27) cis-1,2-Dichloroethene	6.80	96	38177	19.664	ug/l	91
28) Bromochloromethane	7.17	49	23129	19.526	ug/l #	77
29) Tetrahydrofuran	7.18	42	68613	101.598	ug/l	90
30) Chloroform	7.35	83	64277	20.932	ug/l	99
31) Cyclohexane	7.63	56	48934	17.159	ug/l	91
32) 1,1,1-Trichloroethane	7.54	97	56317	19.835	ug/l	96
36) 1,1-Dichloropropene	7.77	75	42998	18.094	ug/l	96
37) Ethyl Acetate	6.90	43	41202	18.486	ug/l	96
38) Carbon Tetrachloride	7.75	117	49313	19.076	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	51467	17.564	ug/l	91
40) Benzene	8.02	78	131875	18.607	ug/l	97
41) Methacrylonitrile	7.15	41	19893m	18.120	ug/l	
42) 1,2-Dichloroethane	8.10	62	52012	21.645	ug/l	97
43) Isopropyl Acetate	8.14	43	75835	19.781	ug/l #	95
44) Trichloroethene	8.82	130	38028	19.655	ug/l	93
45) 1,2-Dichloropropane	9.10	63	35185	20.063	ug/l	99
46) Dibromomethane	9.19	93	24957	20.173	ug/l	94
47) Bromodichloromethane	9.38	83	51408	20.621	ug/l	95
48) Methyl methacrylate	9.18	41	33889	19.762	ug/l	93
49) 1,4-Dioxane	9.18	88	13013	414.528	ug/l	91
51) 4-Methyl-2-Pentanone	9.97	43	223473	100.837	ug/l	95
52) Toluene	10.14	92	87218	19.483	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	57862	20.786	ug/l	100
54) cis-1,3-Dichloropropene	9.82	75	61810	21.103	ug/l	92
55) 1,1,2-Trichloroethane	10.55	97	36893	20.808	ug/l	97
56) Ethyl methacrylate	10.42	69	51792	19.117	ug/l	94
57) 1,3-Dichloropropane	10.70	76	60293	21.419	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	88176	108.056	ug/l	93
59) 2-Hexanone	10.74	43	167787	102.769	ug/l	97
60) Dibromochloromethane	10.89	129	42851	21.223	ug/l	98
61) 1,2-Dibromoethane	10.99	107	37584	20.224	ug/l	99
64) Tetrachloroethene	10.62	164	39349	19.237	ug/l	96
65) Chlorobenzene	11.43	112	95909	19.442	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.50	131	38464	20.180	ug/l	98
67) Ethyl Benzene	11.50	91	168901	18.861	ug/l	99
68) m/p-Xylenes	11.62	106	127531	37.702	ug/l	93
69) o-Xylene	11.94	106	61962	18.711	ug/l	96
70) Styrene	11.96	104	99816	18.013	ug/l	96
71) Bromoform	12.12	173	30501	19.977	ug/l #	100
73) Isopropylbenzene	12.25	105	169445	19.521	ug/l	100
74) N-amyl acetate	12.07	43	63646	18.897	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.50	83	52077	20.696	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	44657m	22.421	ug/l	
77) Bromobenzene	12.52	156	42291	19.240	ug/l	88
78) n-propylbenzene	12.59	91	189732	19.475	ug/l	98
79) 2-Chlorotoluene	12.67	91	113893	19.651	ug/l	95
80) 1,3,5-Trimethylbenzene	12.73	105	139757	19.145	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	17998	19.405	ug/l	98
82) 4-Chlorotoluene	12.77	91	116223	19.993	ug/l	97
83) tert-Butylbenzene	12.99	119	126741	20.075	ug/l	94
84) 1,2,4-Trimethylbenzene	13.04	105	139149	19.268	ug/l	98
85) sec-Butylbenzene	13.17	105	161517	19.472	ug/l	98
86) p-Isopropyltoluene	13.28	119	149314	19.454	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	75042	19.654	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	74775	19.631	ug/l	97
89) n-Butylbenzene	13.61	91	129564	19.798	ug/l	99
90) Hexachloroethane	13.87	117	28719	19.999	ug/l	92
91) 1,2-Dichlorobenzene	13.65	146	75613	20.031	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.26	75	11272	19.600	ug/l	95

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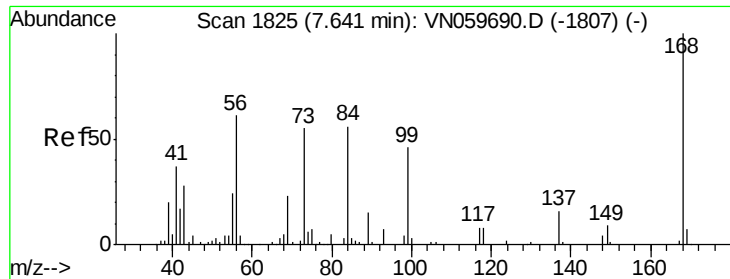
Manual Integrations
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	44213	19.493	ug/l	98
94) Hexachlorobutadiene	15.01	225	25309	20.249	ug/l	99
95) Naphthalene	15.13	128	123001	19.065	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	45821	20.754	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. 0.00 min

Lab File: VN060037.D

Acq: 10 Feb 2020 11:46

Instrument :

MSVOA_N

ClientSampleId :

VN0210WBSD01

Tot Ion:168 Resp: 173563

Ion Ratio Lower Upper

168 100

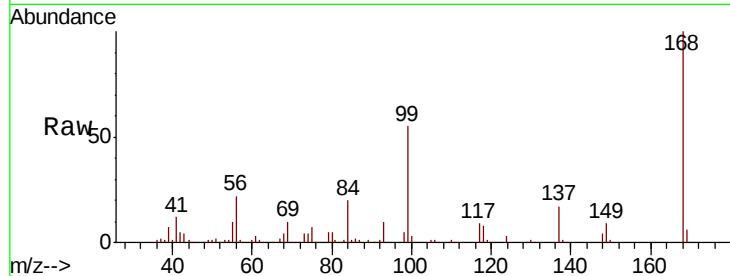
99 54.8 48.2 72.4

Manual Integrations

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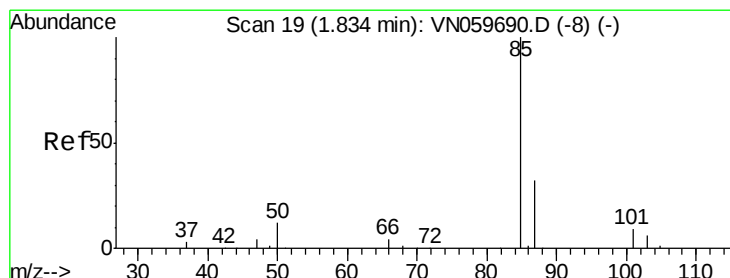
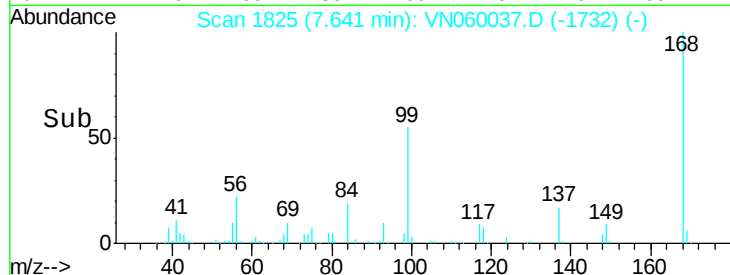
Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.64

7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 14.197 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN060037.D

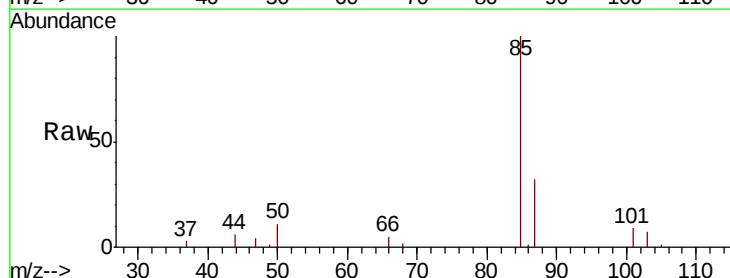
Acq: 10 Feb 2020 11:46

Tgt Ion: 85 Resp: 29817

Ion Ratio Lower Upper

85 100

87 31.7 15.9 47.7



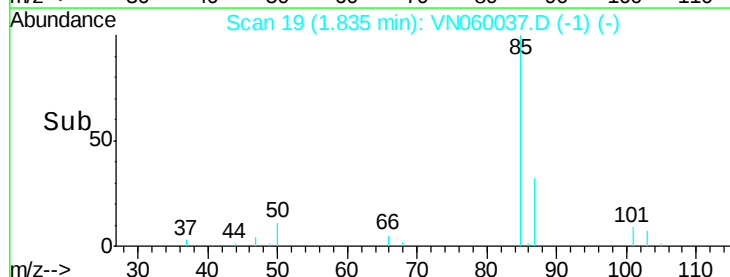
Abundance Ion 84.90 (84.60 to 85.60): VN

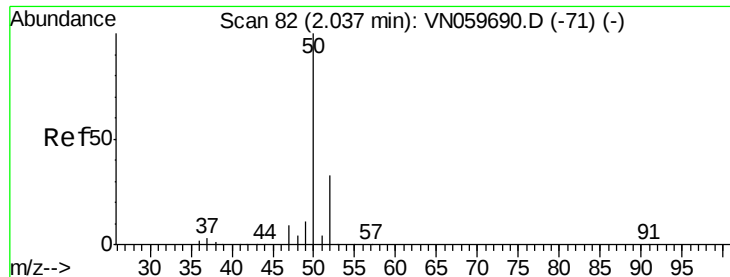
Ion 86.90 (86.60 to 87.60): VN

1.83

1.80 1.85 1.90

Time-->





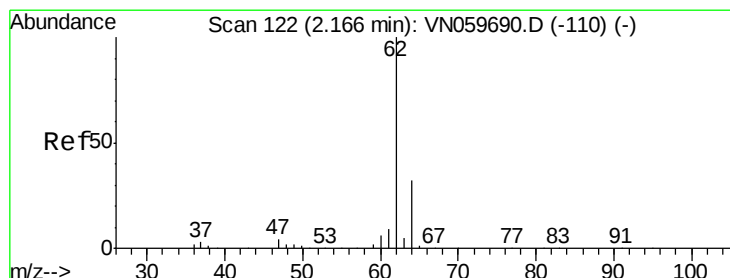
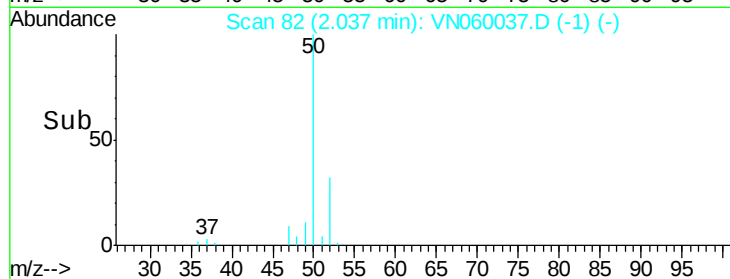
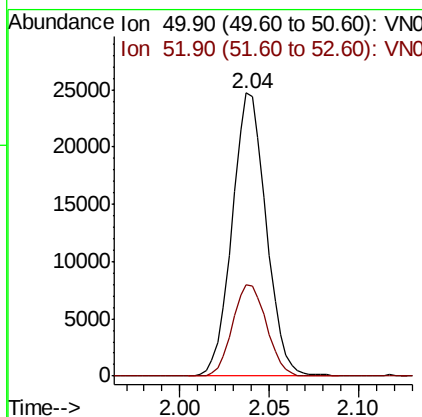
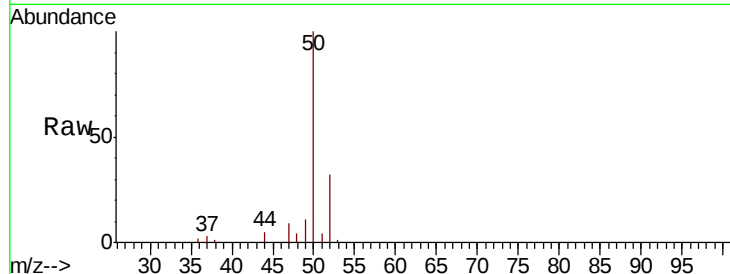
#3
Chloromethane
Concen: 16.452 ug/l
RT: 2.04 min Scan# 82
Delta R.T. 0.00 min
Lab File: VN060037.D
Acq: 10 Feb 2020 11:46

Instrument :
MSVOA_N
ClientSampleId :
VN0210WBSD01

Tot Ion	Ratio	Lower	Upper
50	100		
52	32.3	25.9	38.9

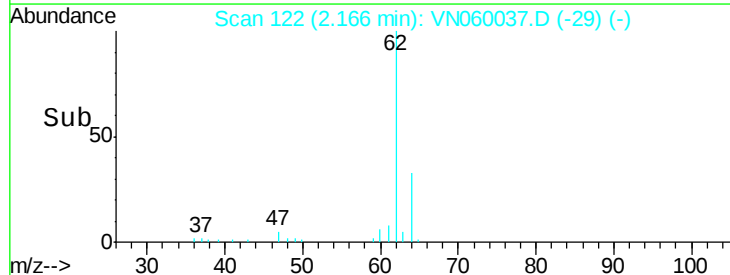
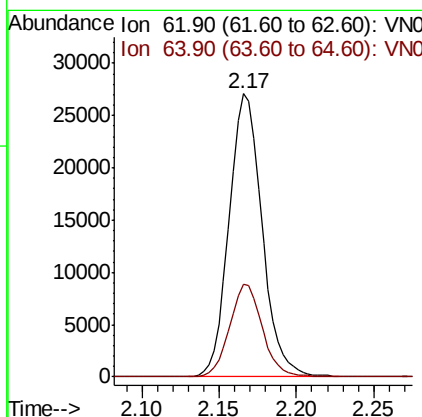
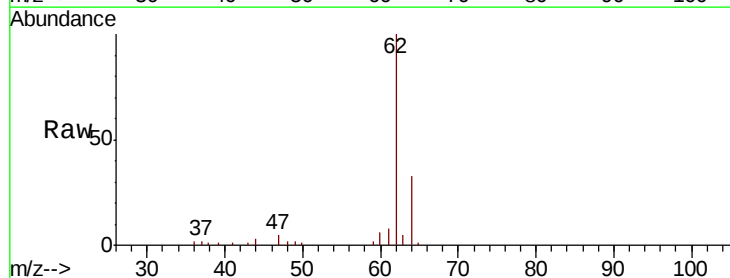
Manual Integrations
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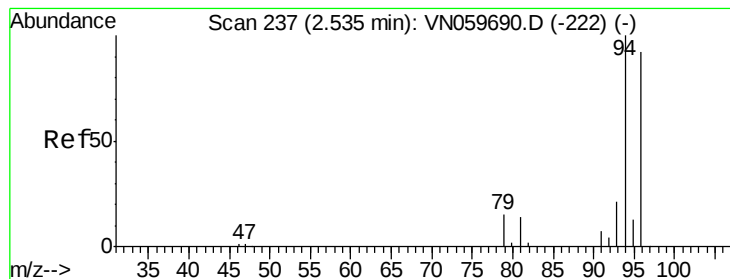
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#4
Vinyl Chloride
Concen: 17.618 ug/l
RT: 2.17 min Scan# 122
Delta R.T. 0.00 min
Lab File: VN060037.D
Acq: 10 Feb 2020 11:46

Tgt Ion	Ratio	Lower	Upper
62	100		
64	32.9	24.6	37.0





#5

Bromomethane

Concen: 17.767 ug/l

RT: 2.55 min Scan# 242

Delta R.T. 0.02 min

Lab File: VN060037.D

Acq: 10 Feb 2020 11:46

Instrument :

MSVOA_N

ClientSampleId :

VN0210WBSD01

Tot Ion: 94 Resp: 24652

Ion Ratio Lower Upper

94 100

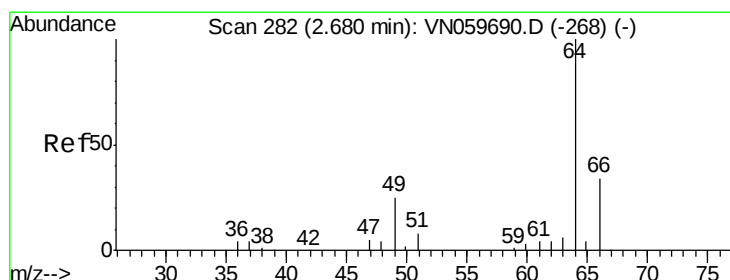
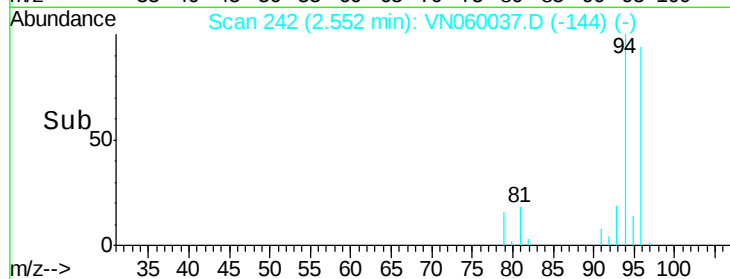
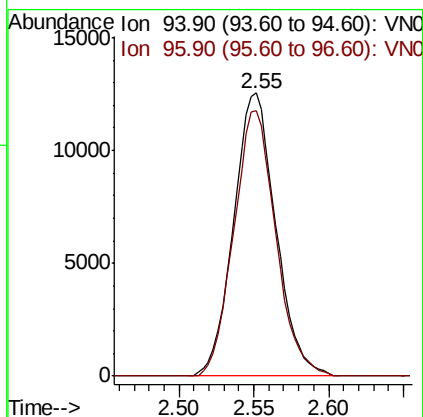
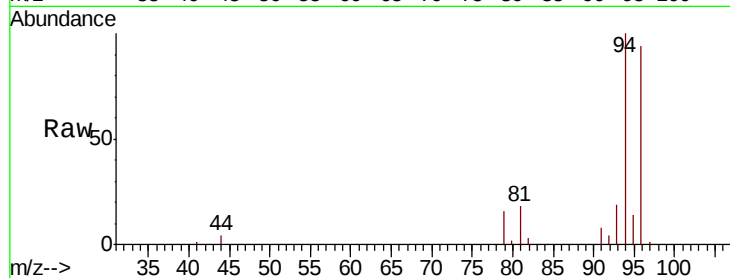
96 93.7 74.7 112.1

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#6

Chloroethane

Concen: 18.320 ug/l

RT: 2.69 min Scan# 284

Delta R.T. 0.01 min

Lab File: VN060037.D

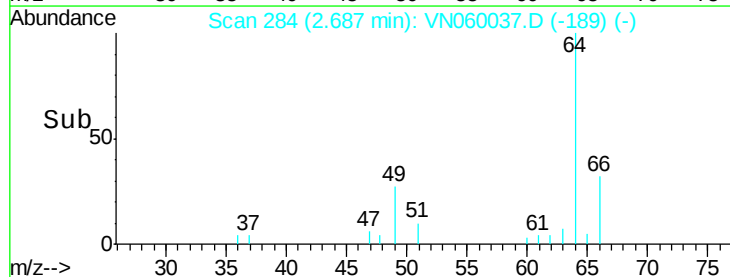
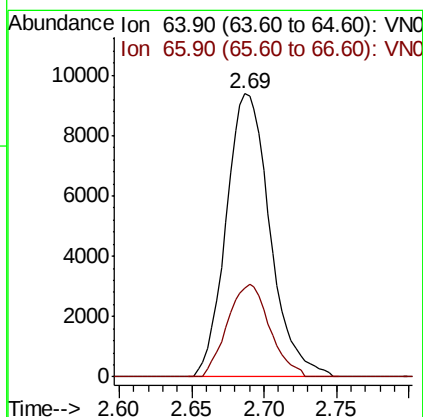
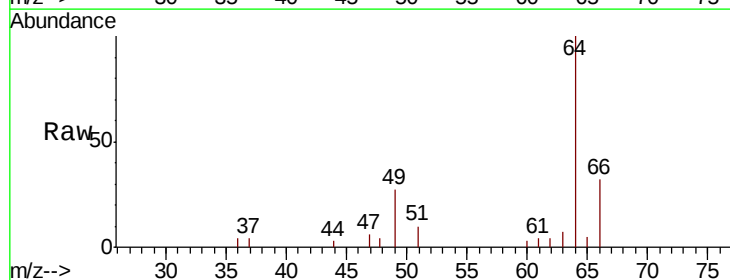
Acq: 10 Feb 2020 11:46

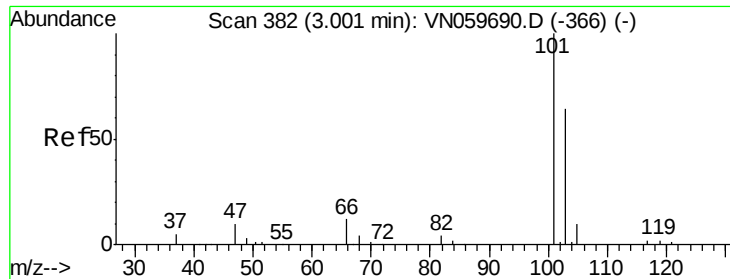
Tgt Ion: 64 Resp: 19706

Ion Ratio Lower Upper

64 100

66 31.6 25.1 37.7





#7

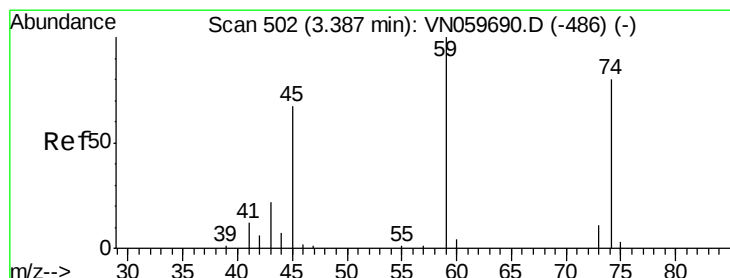
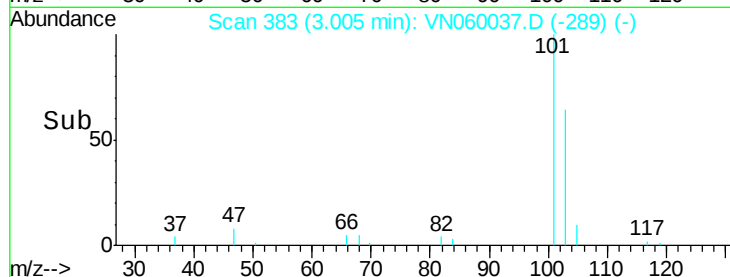
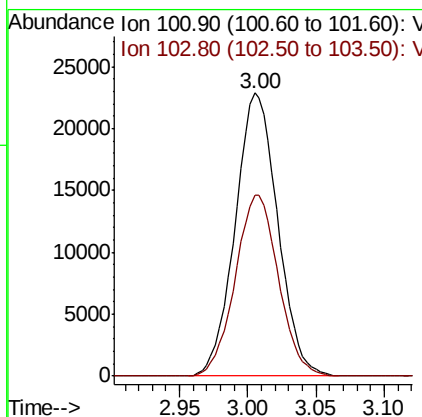
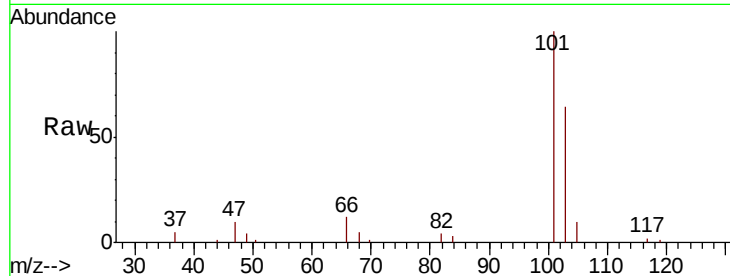
Trichlorofluoromethane
Concen: 18.151 ug/l
RT: 3.00 min Scan# 383
Delta R.T. 0.00 min
Lab File: VN060037.D
Acq: 10 Feb 2020 11:46

Instrument :
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ClientSampleId :
VN0210WBSD01

Tot Ion:101 Resp: 49560
Ion Ratio Lower Upper
101 100
103 63.9 51.0 76.6

Manual Integrations
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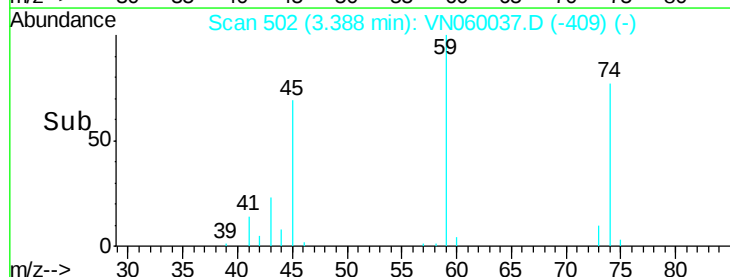
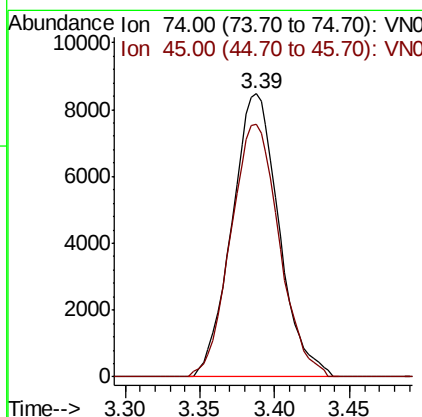
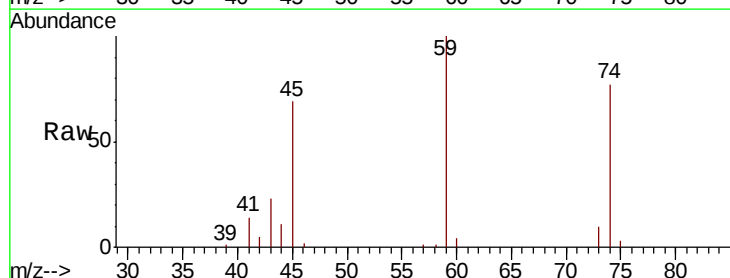
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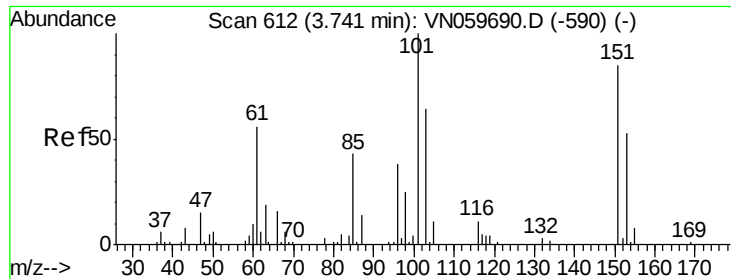


#8

Diethyl Ether
Concen: 19.335 ug/l
RT: 3.39 min Scan# 502
Delta R.T. 0.00 min
Lab File: VN060037.D
Acq: 10 Feb 2020 11:46

Tgt Ion: 74 Resp: 18527
Ion Ratio Lower Upper
74 100
45 92.0 51.9 155.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.677 ug/l

RT: 3.74 min Scan# 611

Delta R.T. -0.00 min

Lab File: VN060037.D

Acq: 10 Feb 2020 11:46

Instrument :

MSVOA_N

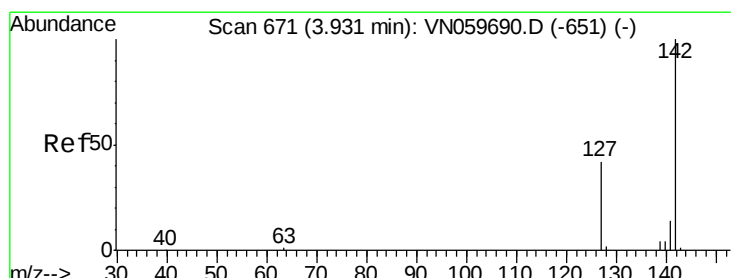
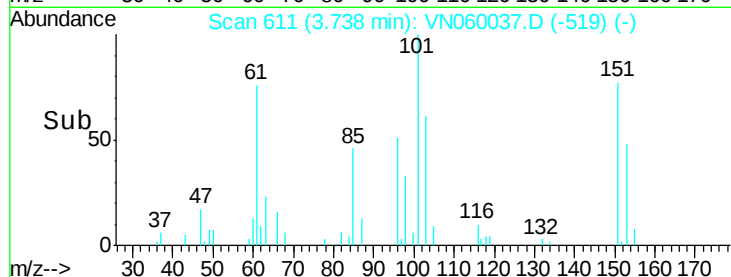
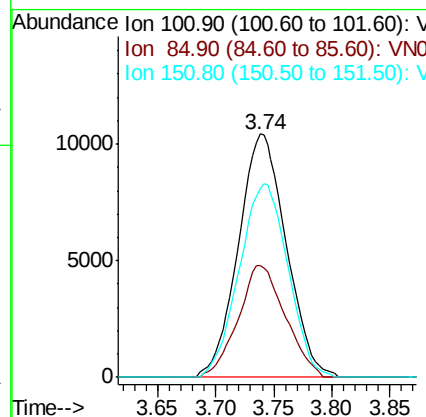
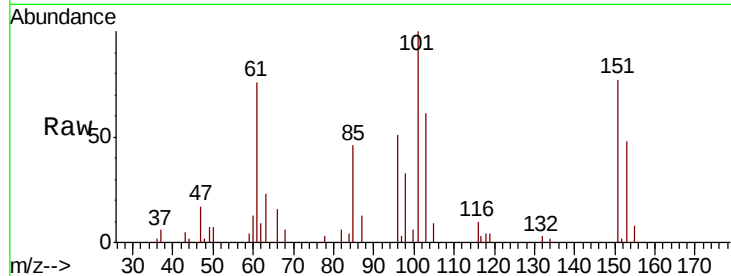
ClientSampleId :

VN0210WBSD01

Tot Ion:	101	Resp:	29902
Ion Ratio	Lower	Upper	
101	100		
85	45.3	36.6	54.8
151	81.0	59.7	89.5

Manual Integrations
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2/11/2020 11:04:07 AM



#10

Methyl Iodide

Concen: 15.279 ug/l

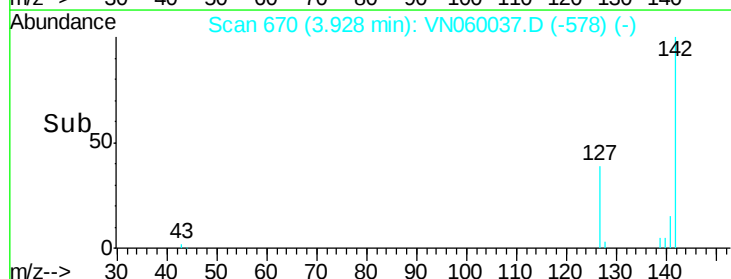
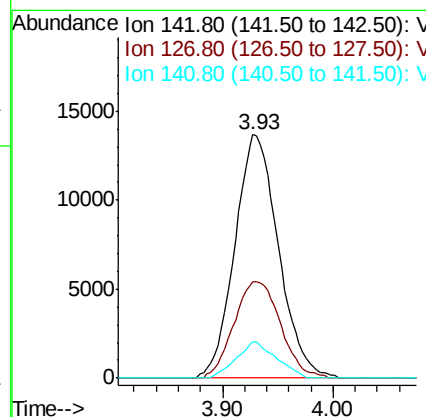
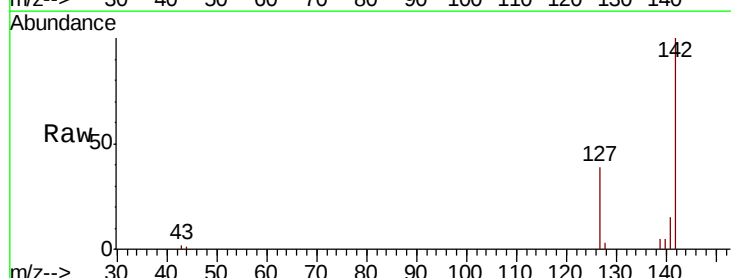
RT: 3.93 min Scan# 670

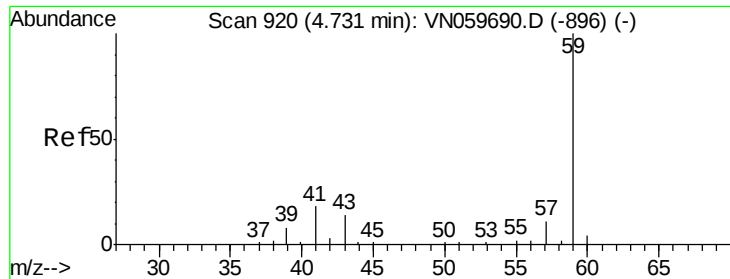
Delta R.T. -0.00 min

Lab File: VN060037.D

Acq: 10 Feb 2020 11:46

Tgt Ion:	142	Resp:	37530
Ion Ratio	Lower	Upper	
142	100		
127	42.2	36.7	55.1
141	13.7	11.7	17.5





#11

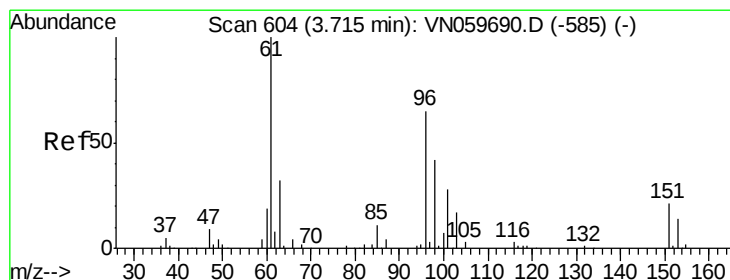
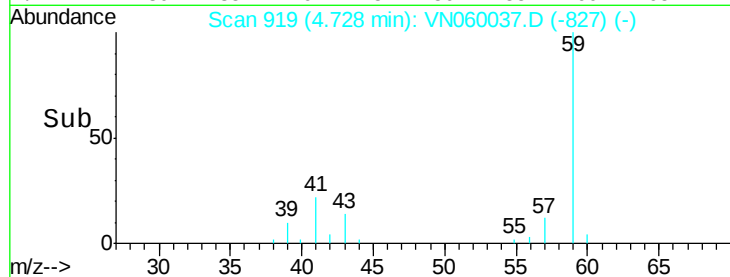
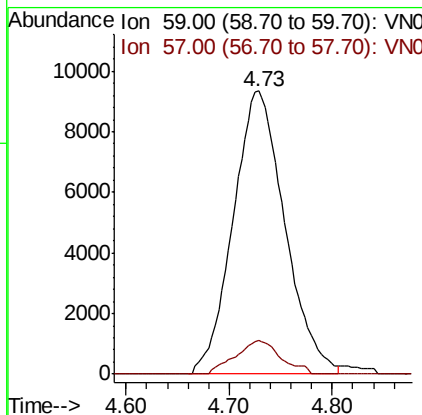
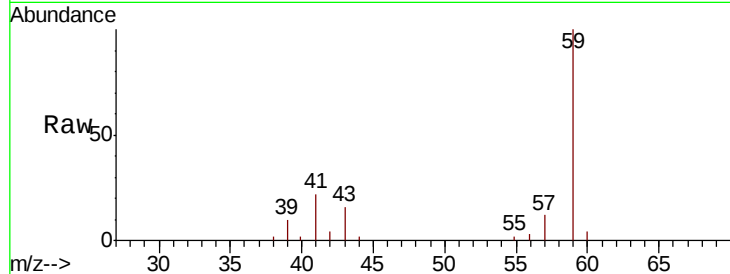
Tert butyl alcohol
 Concen: 100.343 ug/l
 RT: 4.73 min Scan# 919
 Delta R.T. -0.00 min
 Lab File: VN060037.D
 Acq: 10 Feb 2020 11:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0210WBSD01

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.8	8.6	12.8

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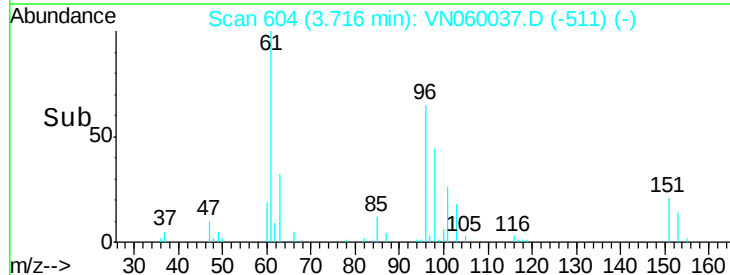
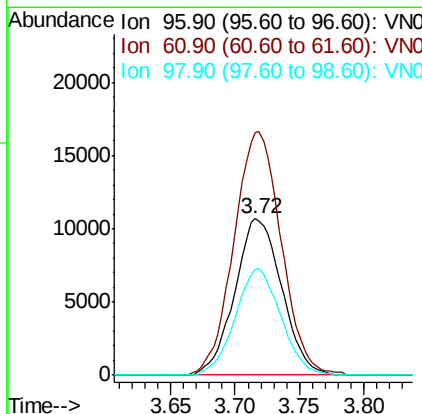
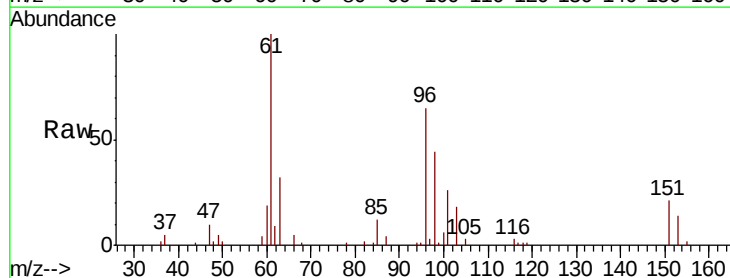
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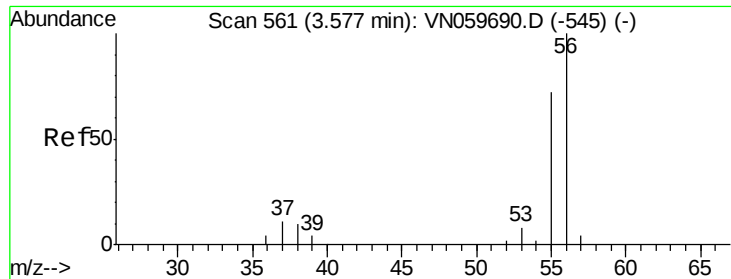


#12

1,1-Dichloroethene
 Concen: 17.025 ug/l
 RT: 3.72 min Scan# 604
 Delta R.T. 0.00 min
 Lab File: VN060037.D
 Acq: 10 Feb 2020 11:46

Tgt Ion	Ratio	Lower	Upper
96	100		
61	154.6	137.5	206.3
98	67.5	50.2	75.4





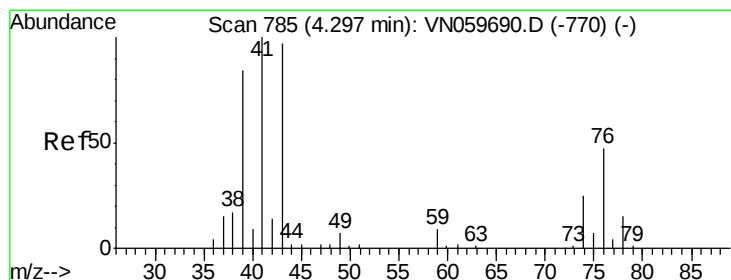
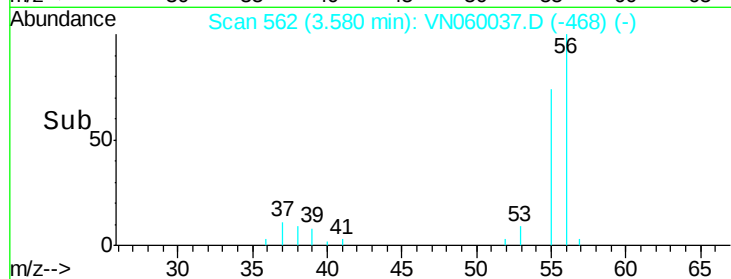
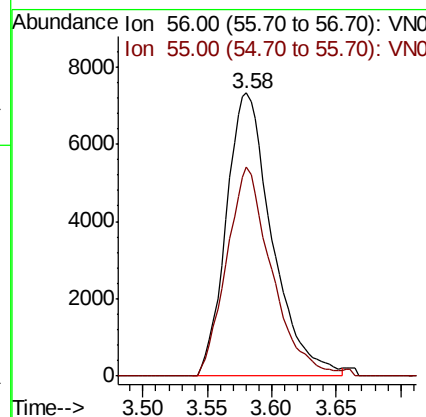
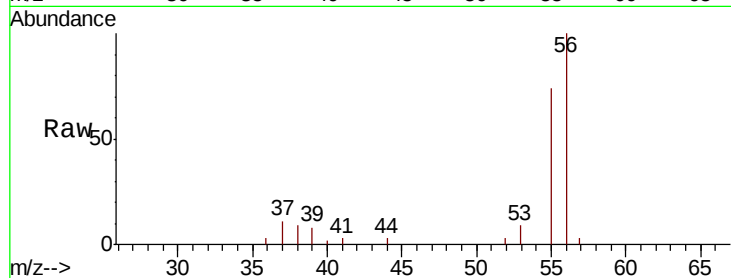
#13
Acrolein
Concen: 78.719 ug/l
RT: 3.58 min Scan# 562
Delta R.T. 0.00 min
Lab File: VN060037.D
Acq: 10 Feb 2020 11:46

Instrument :
MSVOA_N
ClientSampleId :
VN0210WBSD01

Tot Ion	56	Resp	18081
Ion Ratio	Lower	Upper	
56	100		
55	72.6	58.6	88.0

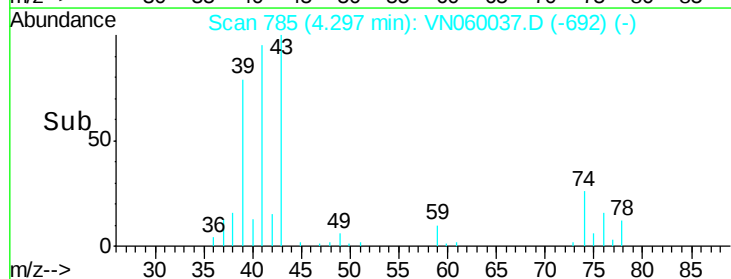
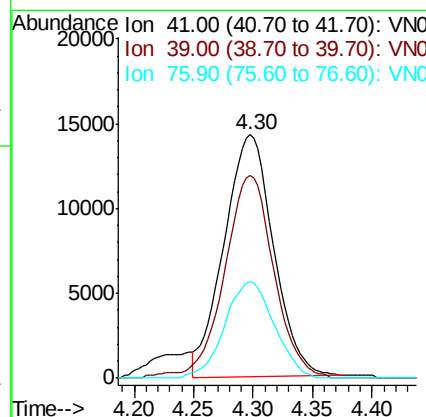
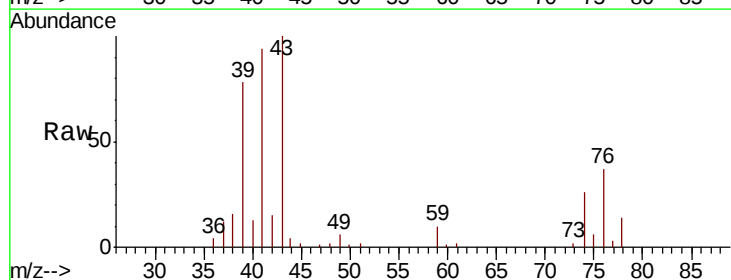
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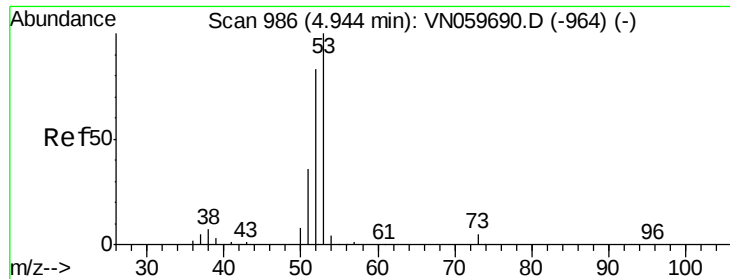
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#14
Allyl chloride
Concen: 19.183 ug/l
RT: 4.30 min Scan# 785
Delta R.T. 0.00 min
Lab File: VN060037.D
Acq: 10 Feb 2020 11:46

Tgt Ion	41	Resp	41058
Ion Ratio	Lower	Upper	
41	100		
39	84.3	57.8	86.8
76	39.8	25.4	38.0#





#15

Acrylonitrile

Concen: 103.241 ug/l

RT: 4.94 min Scan# 986

Delta R.T. 0.00 min

Lab File: VN060037.D

Acq: 10 Feb 2020 11:46

Instrument :

MSVOA_N

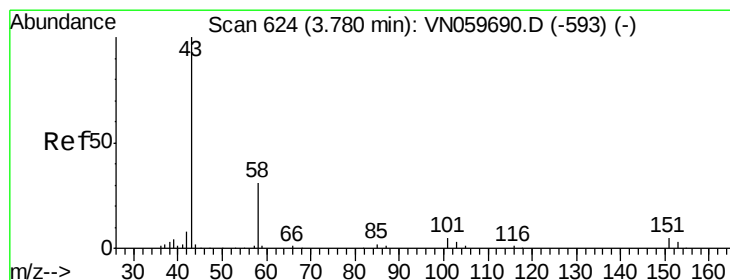
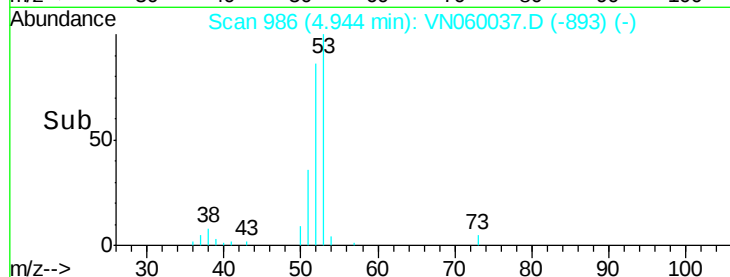
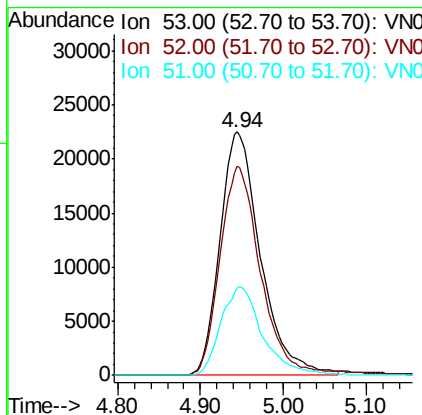
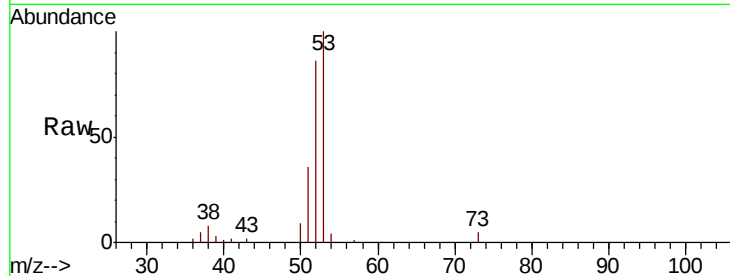
ClientSampleId :

VN0210WBSD01

Tot Ion:	53	Resp:	76415
Ion	Ratio	Lower	Upper
53	100		
52	85.1	66.3	99.5
51	37.7	29.7	44.5

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#16

Acetone

Concen: 129.925 ug/l

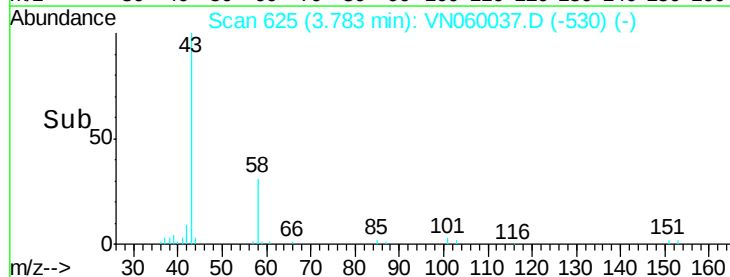
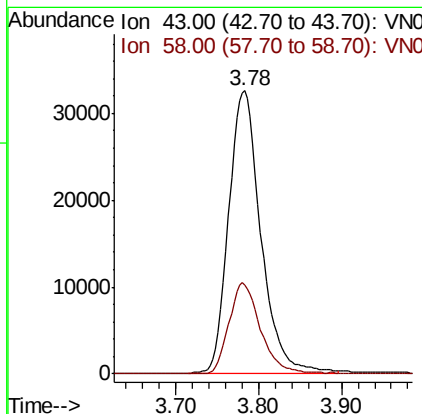
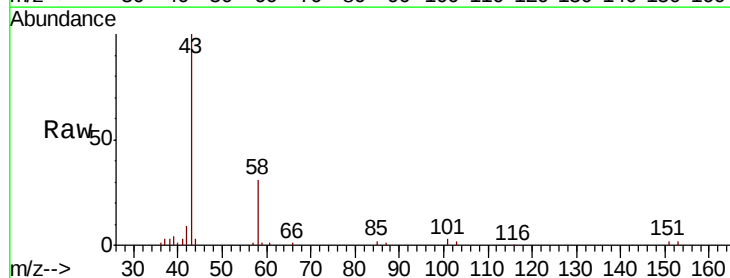
RT: 3.78 min Scan# 625

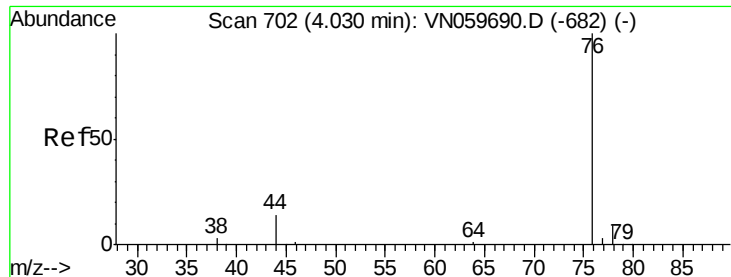
Delta R.T. 0.00 min

Lab File: VN060037.D

Acq: 10 Feb 2020 11:46

Tgt Ion:	43	Resp:	88574
Ion	Ratio	Lower	Upper
43	100		
58	31.5	23.6	35.4





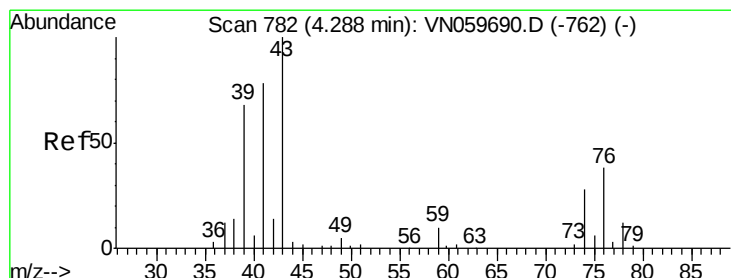
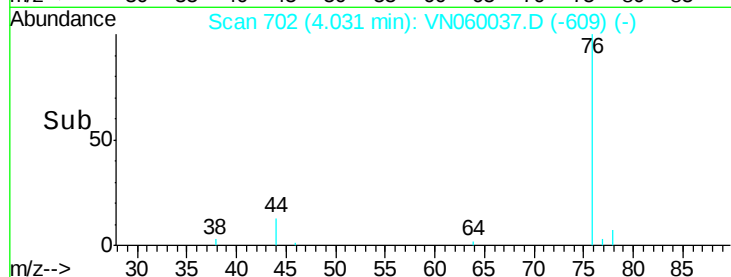
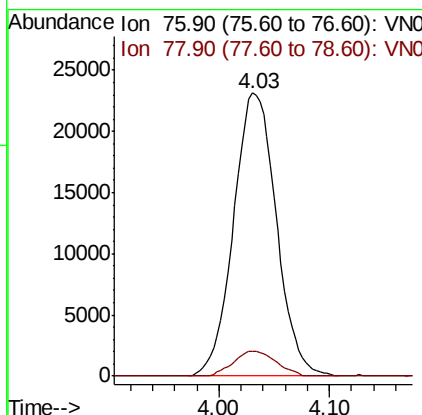
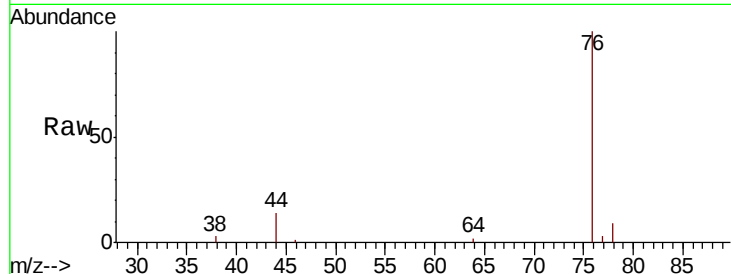
#17
Carbon Disulfide
Concen: 13.744 ug/l
RT: 4.03 min Scan# 702
Delta R.T. 0.00 min
Lab File: VN060037.D
Acq: 10 Feb 2020 11:46

Instrument :
MSVOA_N
ClientSampleId :
VN0210WBSD01

Tot Ion: 76 Resp: 62169
Ion Ratio Lower Upper
76 100
78 8.8 7.4 11.0

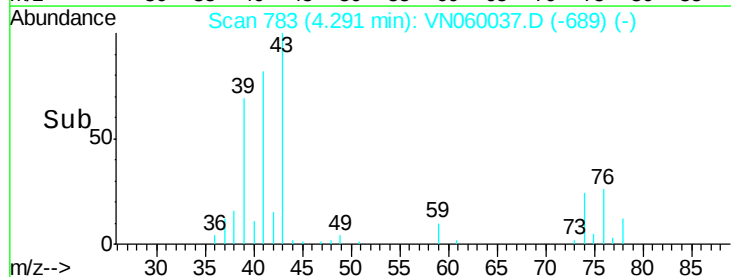
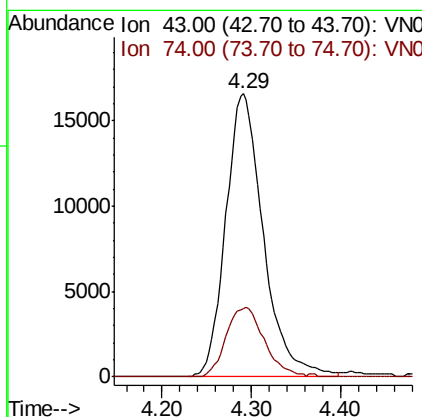
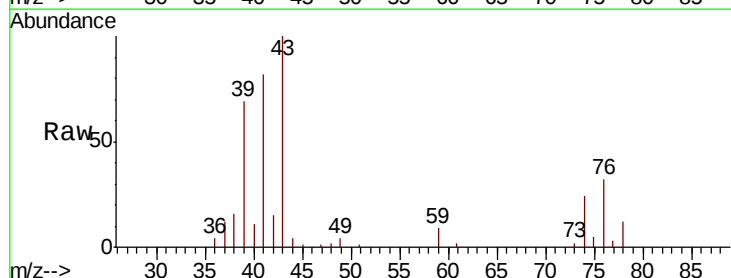
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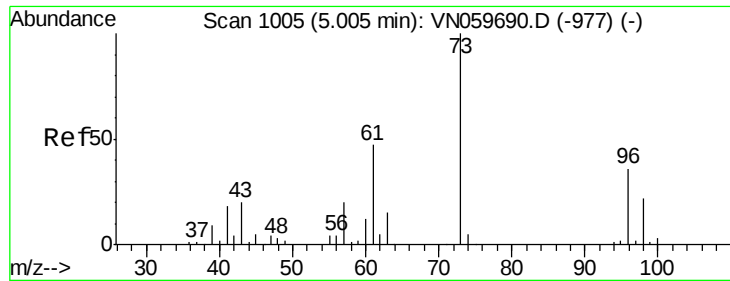
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#18
Methyl Acetate
Concen: 21.560 ug/l
RT: 4.29 min Scan# 783
Delta R.T. 0.00 min
Lab File: VN060037.D
Acq: 10 Feb 2020 11:46

Tgt Ion: 43 Resp: 48540
Ion Ratio Lower Upper
43 100
74 24.8 17.5 26.3





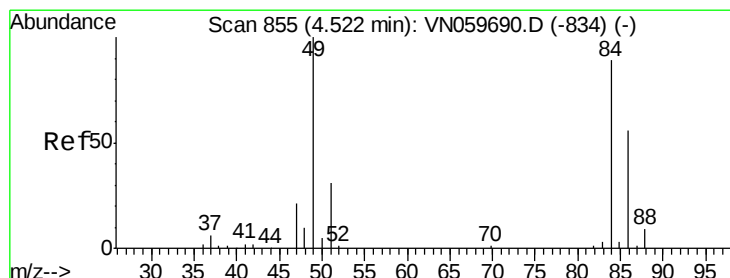
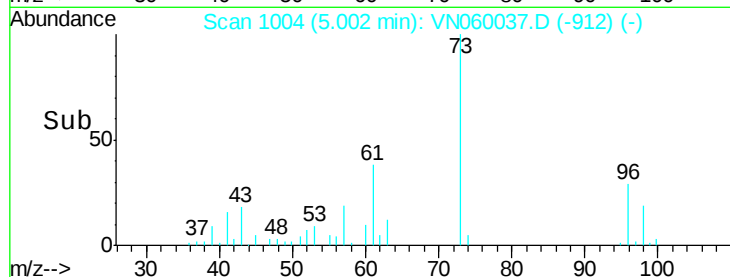
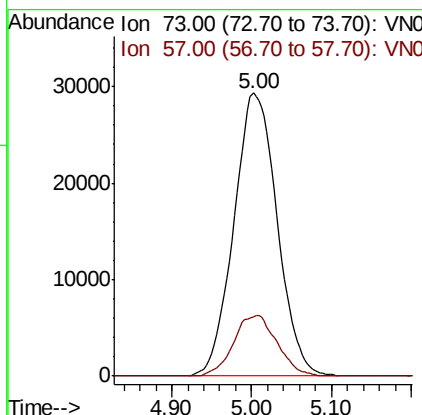
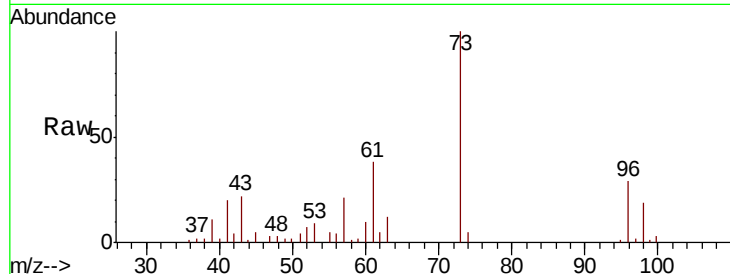
#19
Methyl tert-butyl Ether
Concen: 20.853 ug/l
RT: 5.00 min Scan# 1004
Delta R.T. -0.00 min
Lab File: VN060037.D
Acq: 10 Feb 2020 11:46

Instrument :
MSVOA_N
ClientSampleId :
VN0210WBSD01

Tot Ion: 73 Resp: 107964
Ion Ratio Lower Upper
73 100
57 20.9 18.6 27.8

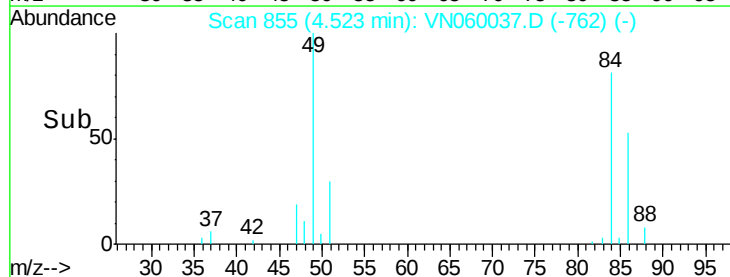
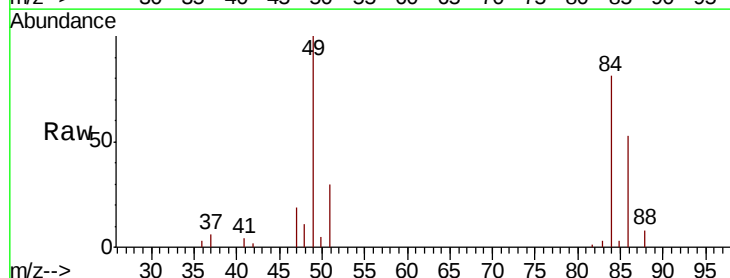
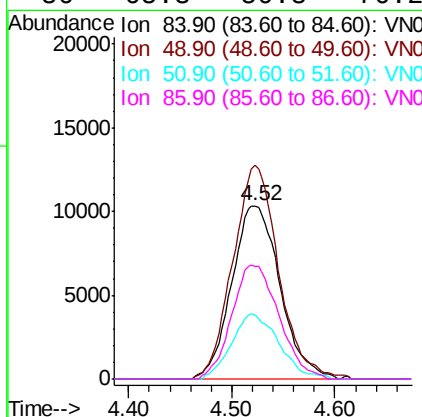
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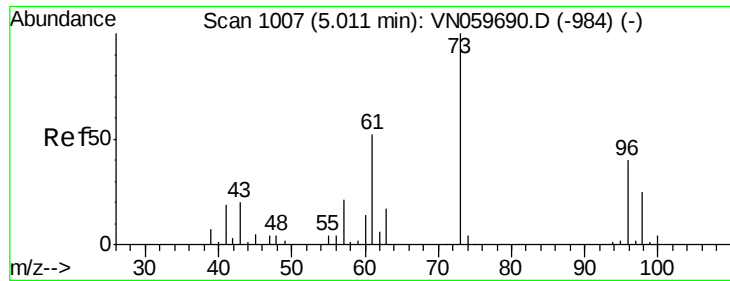
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#20
Methylene Chloride
Concen: 18.489 ug/l
RT: 4.52 min Scan# 855
Delta R.T. 0.00 min
Lab File: VN060037.D
Acq: 10 Feb 2020 11:46

Tgt Ion: 84 Resp: 33664
Ion Ratio Lower Upper
84 100
49 123.6 106.6 160.0
51 37.0 31.9 47.9
86 65.3 50.8 76.2





#21

trans-1,2-Dichloroethene

Concen: 17.916 ug/l

RT: 5.01 min Scan# 1006

Delta R.T. -0.00 min

Lab File: VN060037.D

Acq: 10 Feb 2020 11:46

Instrument :

MSVOA_N

ClientSampleId :

VN0210WBSD01

Tot Ion: 96 Resp: 30241

Ion Ratio Lower Upper

96 100

61 138.0 120.4 180.6

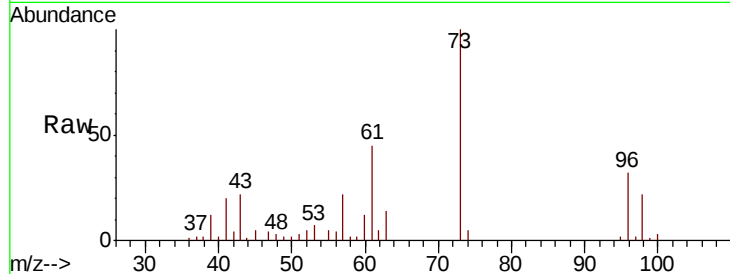
98 68.4 50.6 75.8

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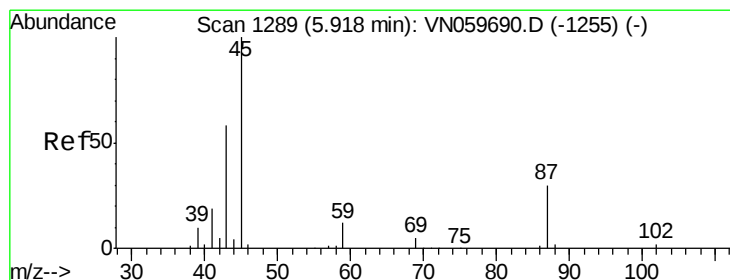
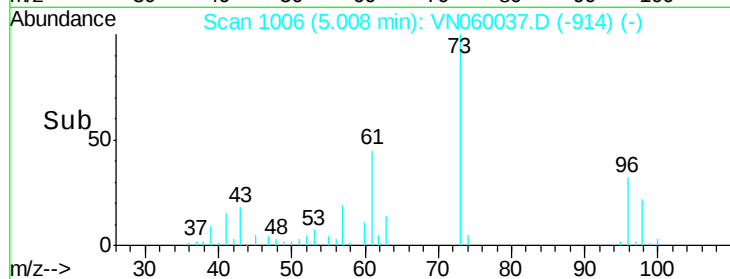
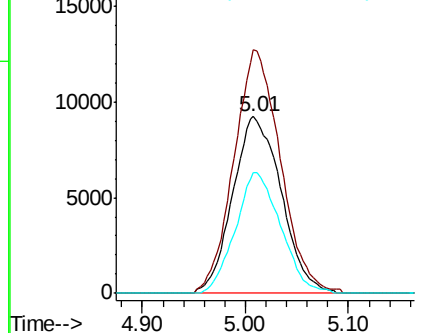
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Abundance Ion 95.90 (95.60 to 96.60): VN060037.D (-914) (-)

Ion 60.90 (60.60 to 61.60): VN060037.D (-914) (-)

Ion 97.90 (97.60 to 98.60): VN060037.D (-914) (-)



#22

Diisopropyl ether

Concen: 21.013 ug/l

RT: 5.91 min Scan# 1288

Delta R.T. -0.00 min

Lab File: VN060037.D

Acq: 10 Feb 2020 11:46

Tgt Ion: 45 Resp: 101922

Ion Ratio Lower Upper

45 100

43 69.9 50.8 76.2

87 32.8 21.0 31.6

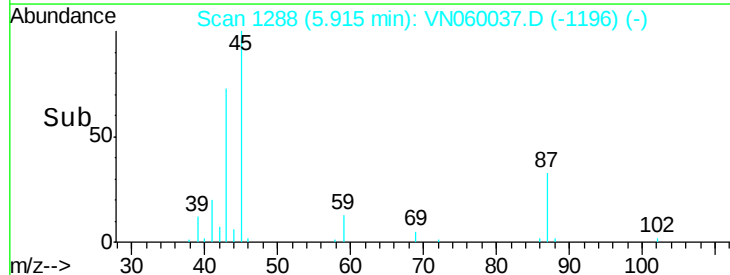
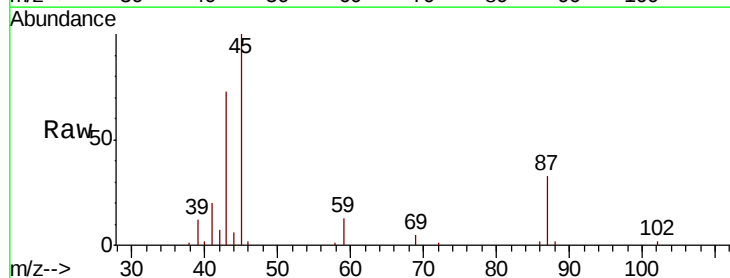
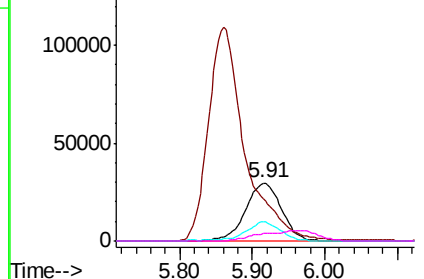
59 12.7 9.1 13.7

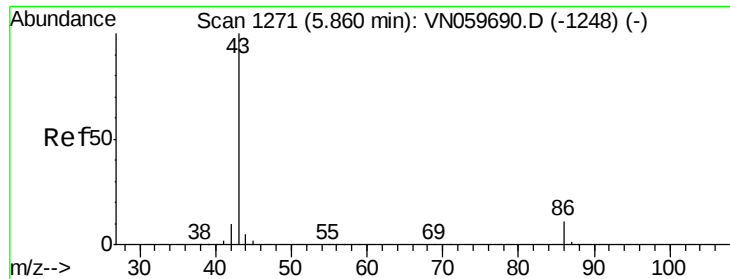
Abundance Ion 45.00 (44.70 to 45.70): VN060037.D (-1196) (-)

Ion 43.00 (42.70 to 43.70): VN060037.D (-1196) (-)

Ion 87.00 (86.70 to 87.70): VN060037.D (-1196) (-)

Ion 59.00 (58.70 to 59.70): VN060037.D (-1196) (-)





#23

Vinyl Acetate

Concen: 101.929 ug/l

RT: 5.86 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VN060037.D

Acq: 10 Feb 2020 11:46

Instrument :

MSVOA_N

ClientSampleId :

VN0210WBSD01

Tot Ion: 43 Resp: 382781

Ion Ratio Lower Upper

43 100

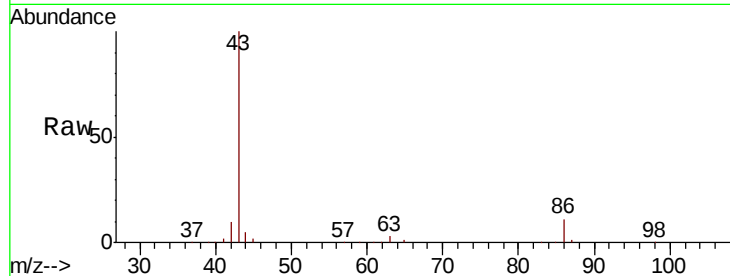
86 10.9 7.6 11.4

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

5.86

120000

100000

80000

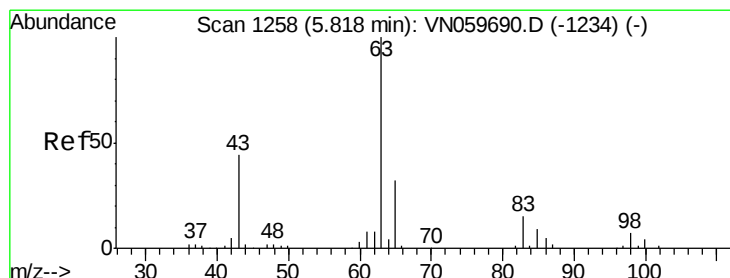
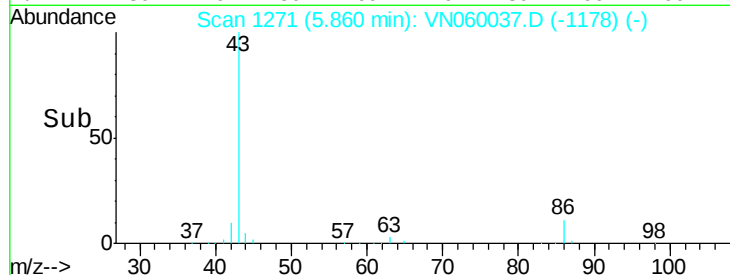
60000

40000

20000

0

Time--> 5.70 5.80 5.90 6.00 6.10



#24

1,1-Dichloroethane

Concen: 20.037 ug/l

RT: 5.82 min Scan# 1258

Delta R.T. 0.00 min

Lab File: VN060037.D

Acq: 10 Feb 2020 11:46

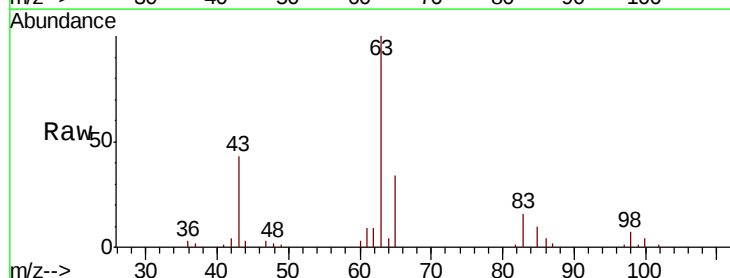
Tgt Ion: 63 Resp: 59384

Ion Ratio Lower Upper

63 100

98 7.2 2.9 8.7

100 4.3 2.0 6.0



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

25000

20000

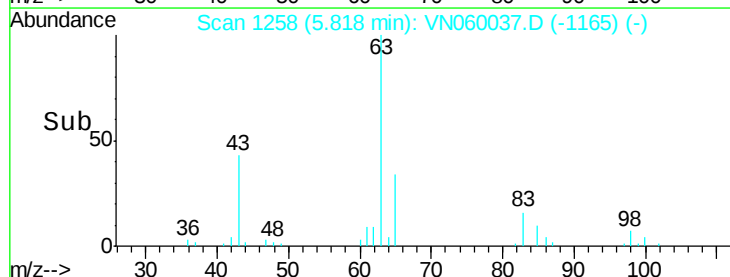
15000

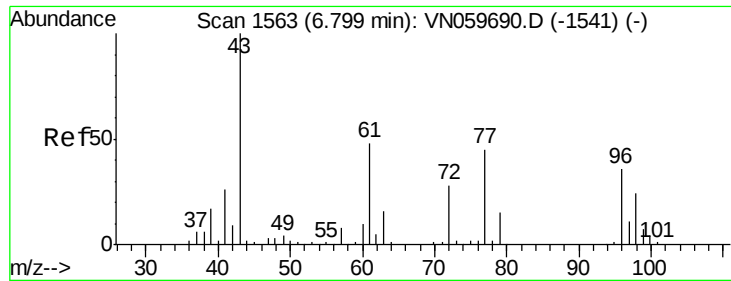
10000

5000

0

Time--> 5.70 5.80 5.90





#25

2-Butanone

Concen: 103.594 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VN060037.D

Acq: 10 Feb 2020 11:46

Instrument :

MSVOA_N

ClientSampleId :

VN0210WBSD01

Tot Ion: 43 Resp: 113074

Ion Ratio Lower Upper

43 100

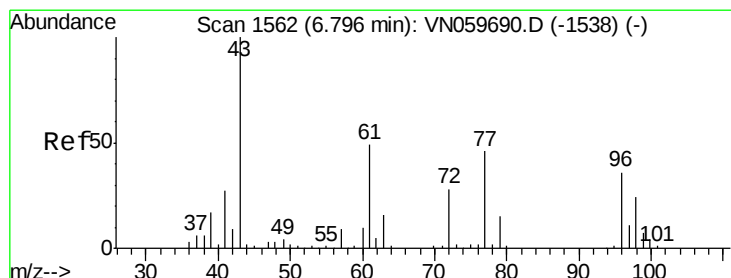
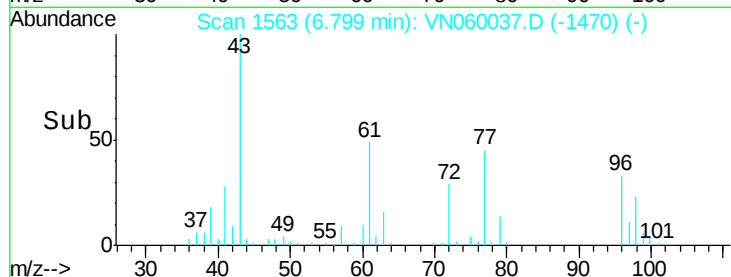
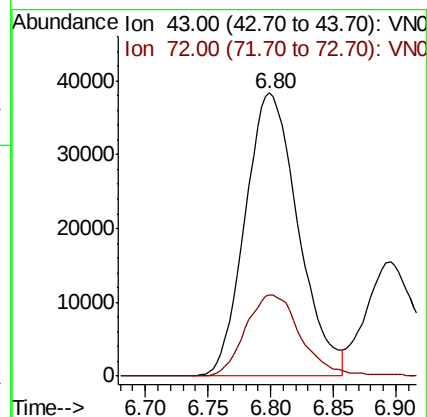
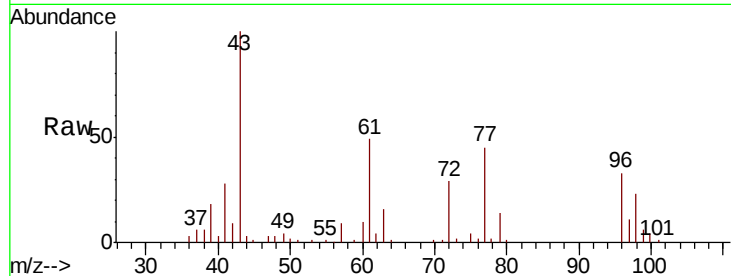
72 28.8 19.9 29.9

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 19.753 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. 0.00 min

Lab File: VN060037.D

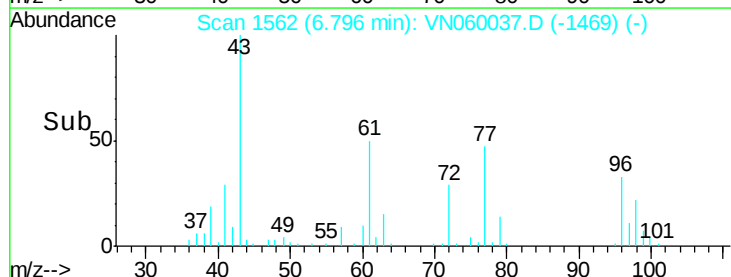
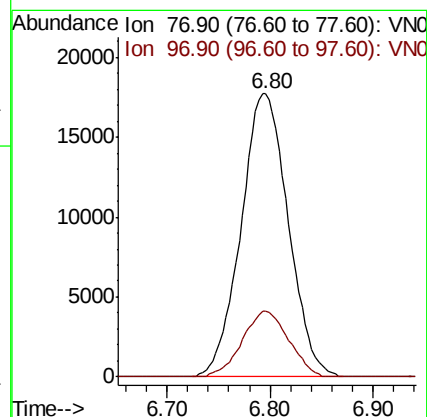
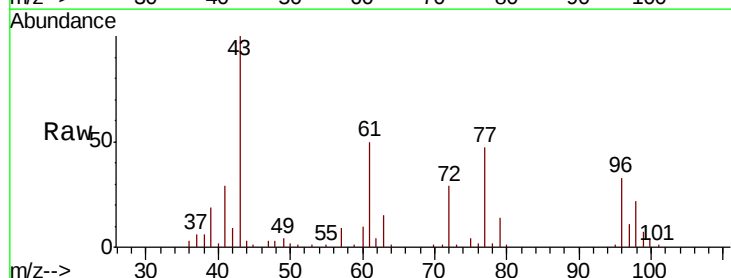
Acq: 10 Feb 2020 11:46

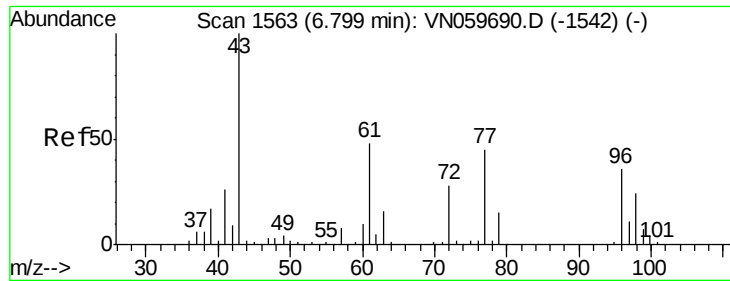
Tgt Ion: 77 Resp: 56282

Ion Ratio Lower Upper

77 100

97 22.8 10.7 31.9





#27

cis-1,2-Dichloroethene

Concen: 19.664 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VN060037.D

Acq: 10 Feb 2020 11:46

Instrument :

MSVOA_N

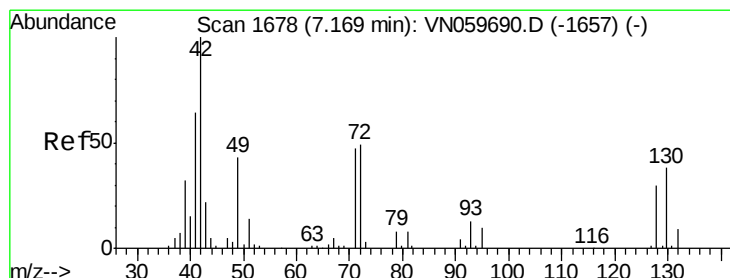
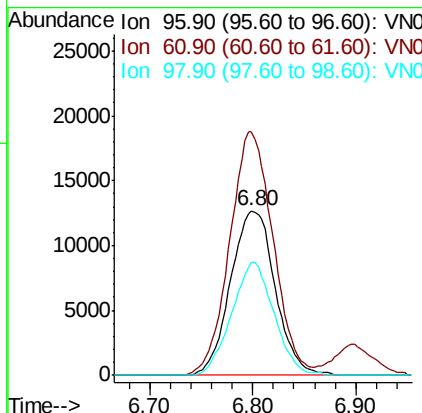
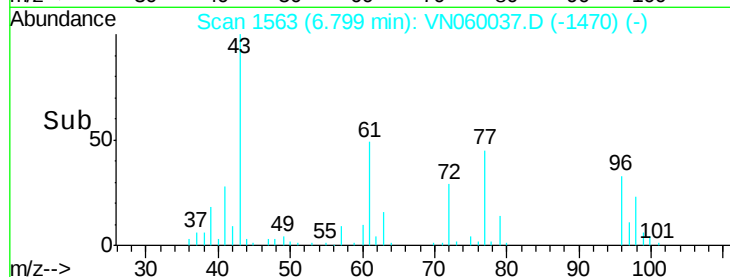
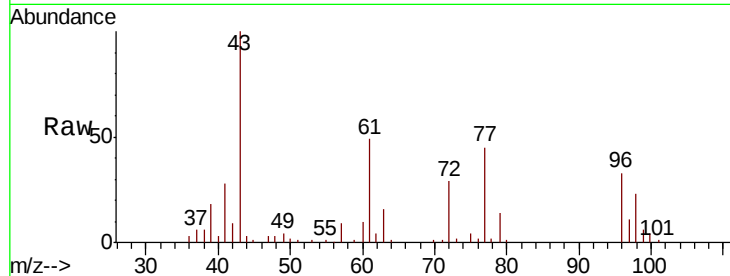
ClientSampleId :

VN0210WBSD01

Tot Ion:	96	Resp:	38177
Ion	Ratio	Lower	Upper
96	100		
61	143.8	0.0	317.6
98	65.1	0.0	127.0

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#28

Bromochloromethane

Concen: 19.526 ug/l

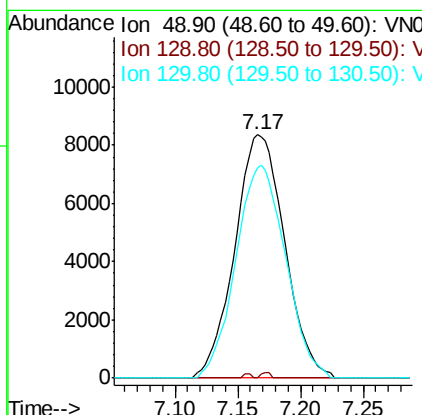
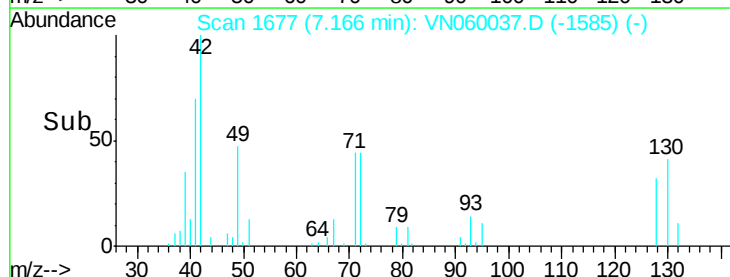
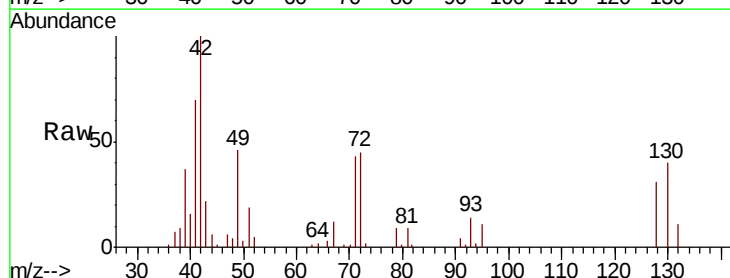
RT: 7.17 min Scan# 1677

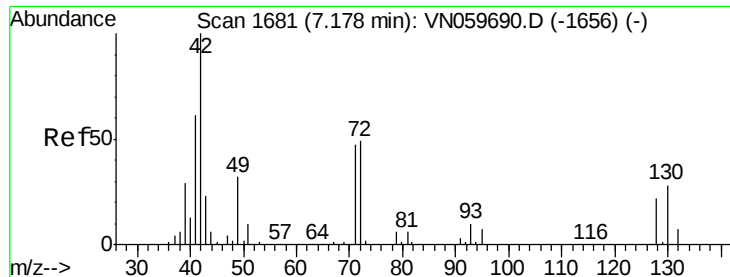
Delta R.T. -0.00 min

Lab File: VN060037.D

Acq: 10 Feb 2020 11:46

Tgt Ion:	49	Resp:	23129
Ion	Ratio	Lower	Upper
49	100		
129	0.4	0.0	3.4
130	87.2	54.7	82.1#





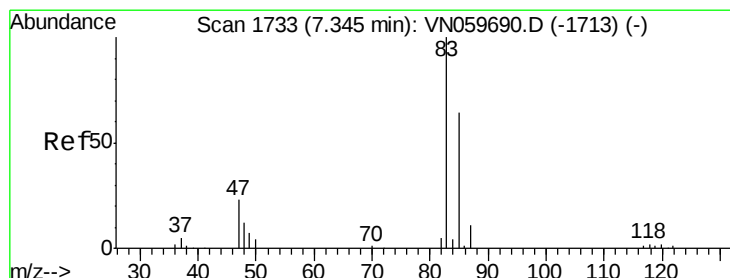
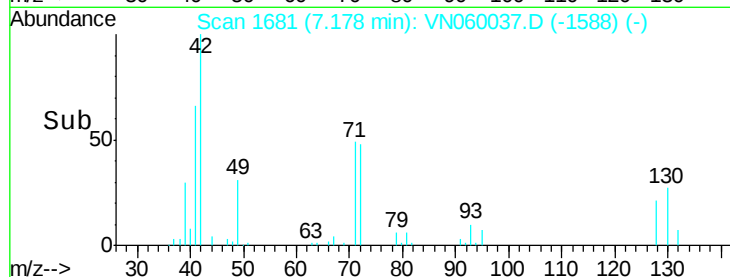
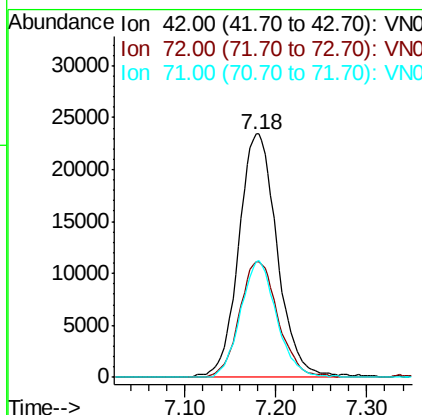
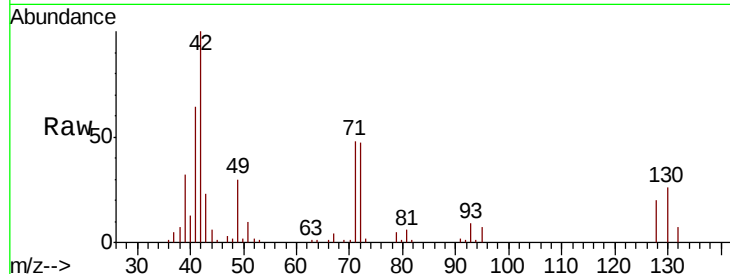
#29
Tetrahydrofuran
Concen: 101.598 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VN060037.D
Acq: 10 Feb 2020 11:46

Instrument :
MSVOA_N
ClientSampleId :
VN0210WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	47.6	33.1	49.7
71	44.9	31.4	47.0

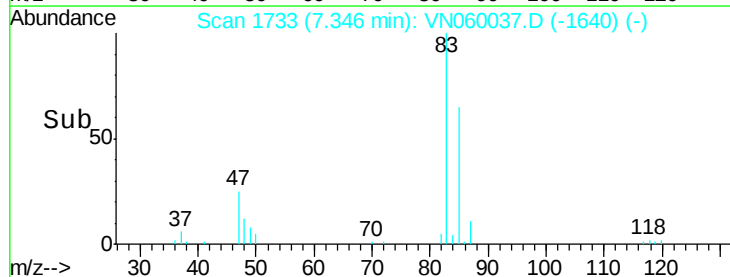
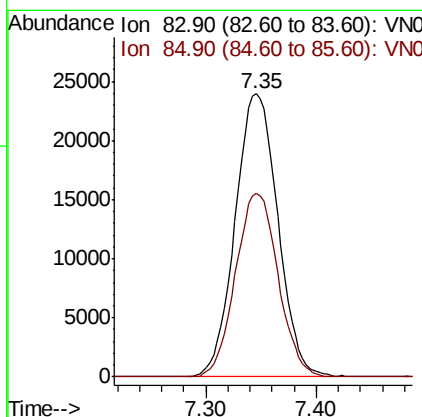
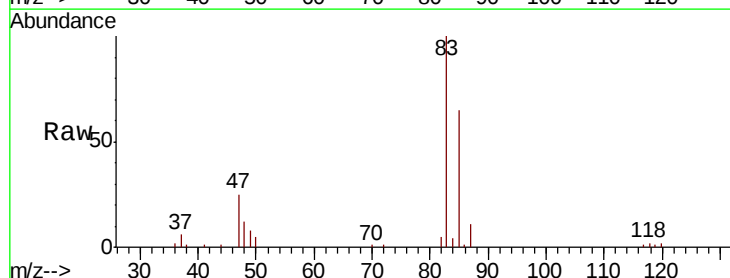
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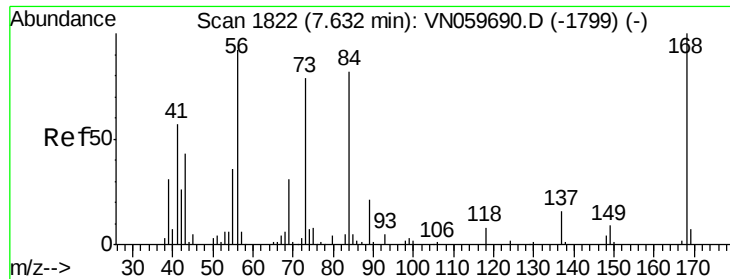
MMDadoda
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#30
Chloroform
Concen: 20.932 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. 0.00 min
Lab File: VN060037.D
Acq: 10 Feb 2020 11:46

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.7	52.4	78.6





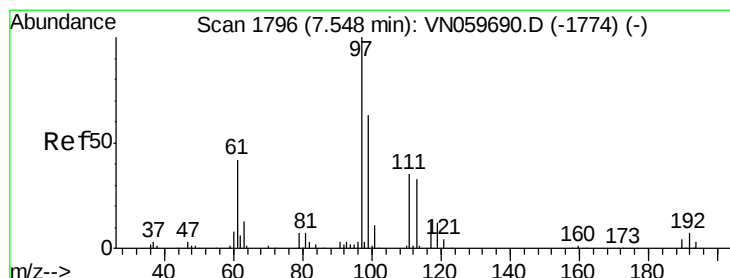
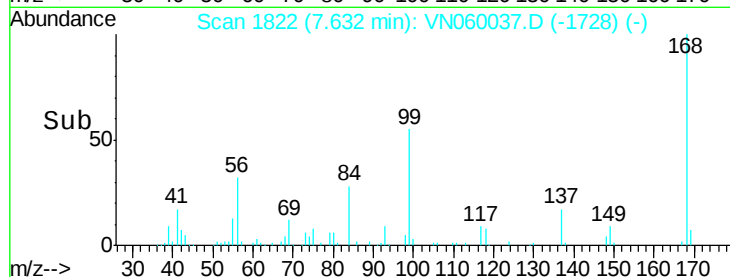
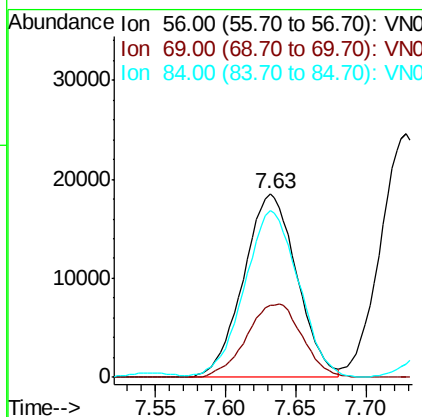
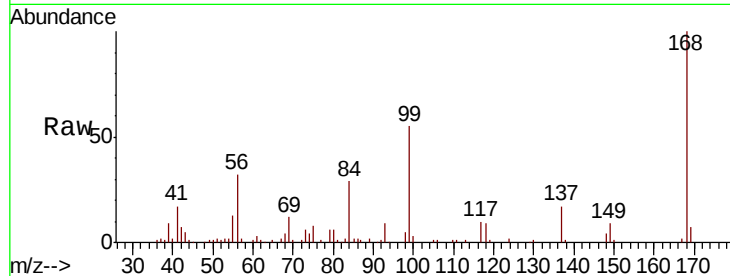
#31
Cyclohexane
Concen: 17.159 ug/l
RT: 7.63 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VN060037.D
Acq: 10 Feb 2020 11:46

Instrument :
MSVOA_N
ClientSampleId :
VN0210WBSD01

Tot Ion	Ratio	Lower	Upper
56	100		
69	39.0	26.5	39.7
84	89.6	65.3	97.9

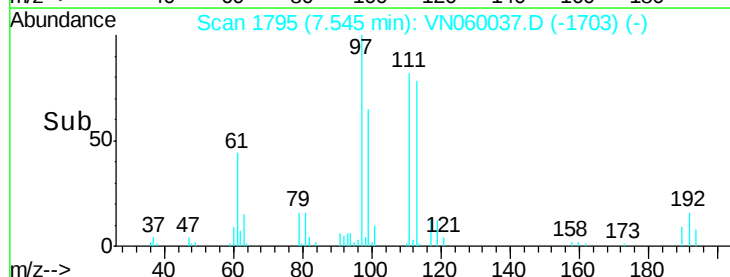
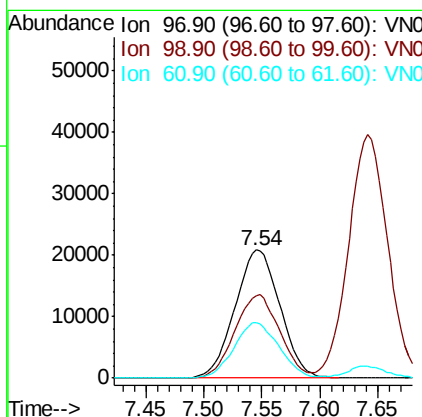
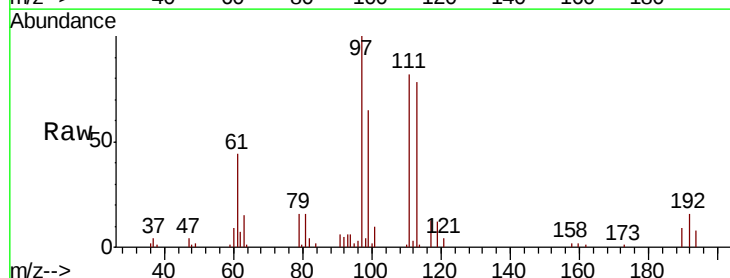
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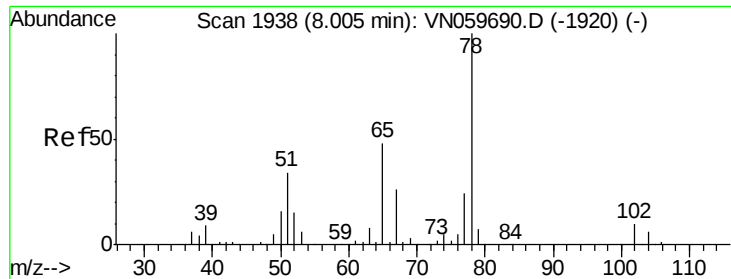
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 19.835 ug/l
RT: 7.54 min Scan# 1795
Delta R.T. -0.00 min
Lab File: VN060037.D
Acq: 10 Feb 2020 11:46

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.8	51.0	76.4
61	43.4	38.5	57.7





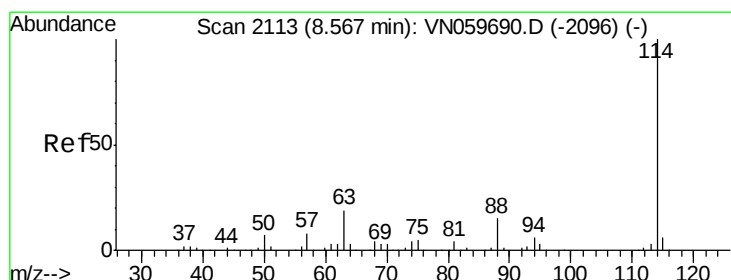
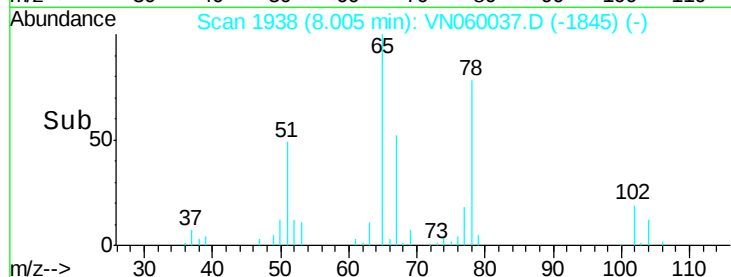
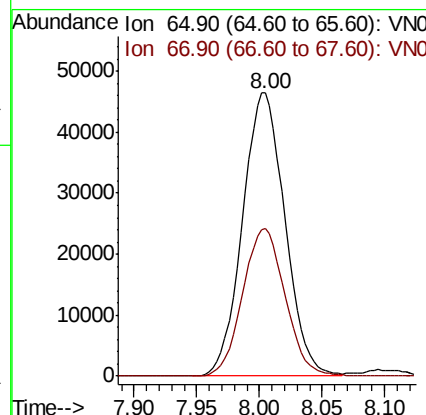
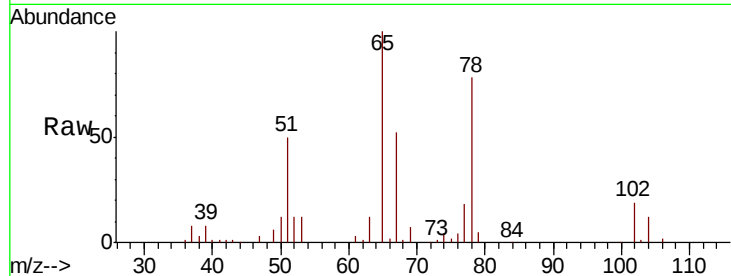
#33
 1,2-Dichloroethane-d4
 Concen: 56.650 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. 0.00 min
 Lab File: VN060037.D
 Acq: 10 Feb 2020 11:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0210WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	109191		
67	52.2	0.0	103.0	

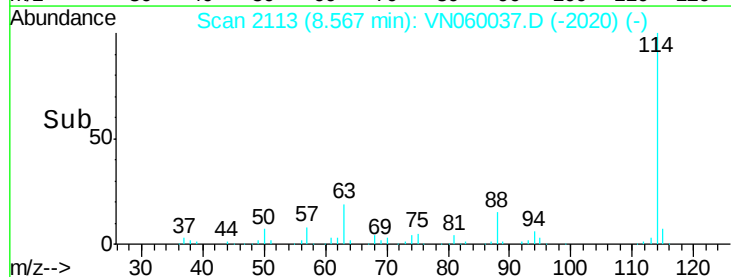
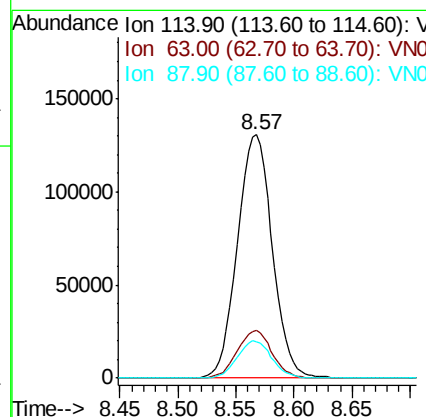
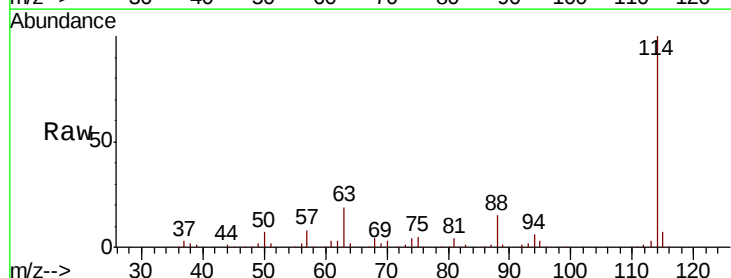
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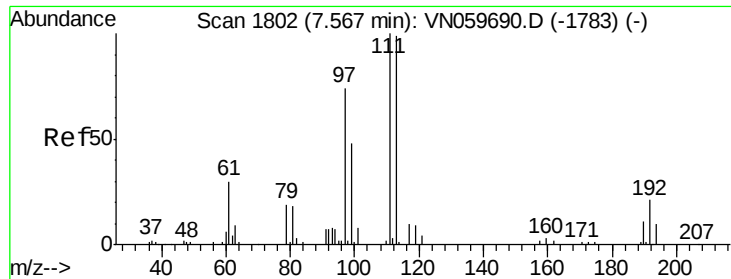
MMDadoda
 2/11/2020 11:04:07 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VN060037.D
 Acq: 10 Feb 2020 11:46

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	272889		
63	19.4	0.0	43.6	
88	15.1	0.0	31.4	





#35

Dibromofluoromethane

Concen: 54.311 ug/l

RT: 7.56 min Scan# 1801

Delta R.T. -0.00 min

Lab File: VN060037.D

Acq: 10 Feb 2020 11:46

Instrument :

MSVOA_N

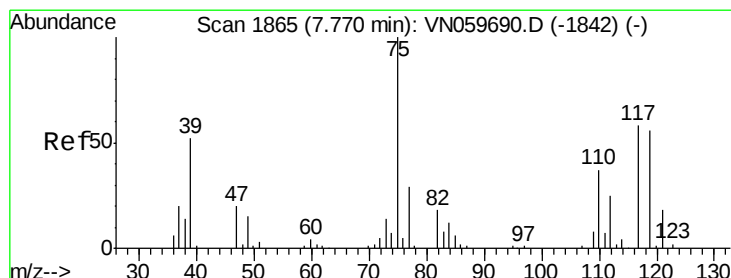
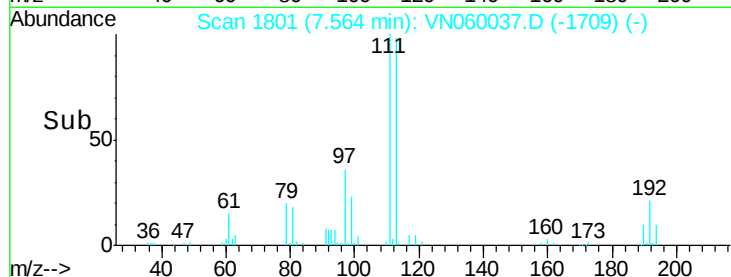
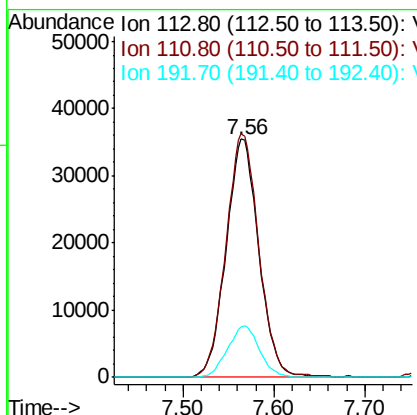
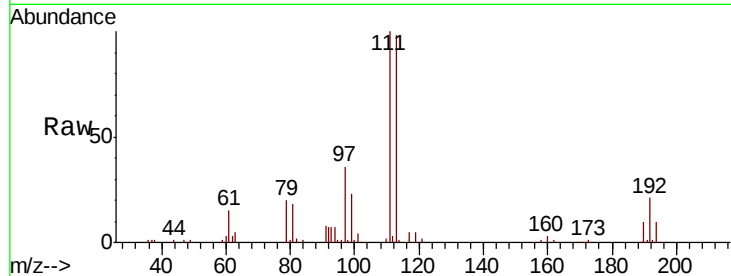
ClientSampleId :

VN0210WBSD01

Tot Ion:	113	Resp:	88384
Ion Ratio	Lower	Upper	
113	100		
111	103.1	83.5	125.3
192	20.9	15.4	23.2

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#36

1,1-Dichloropropene

Concen: 18.094 ug/l

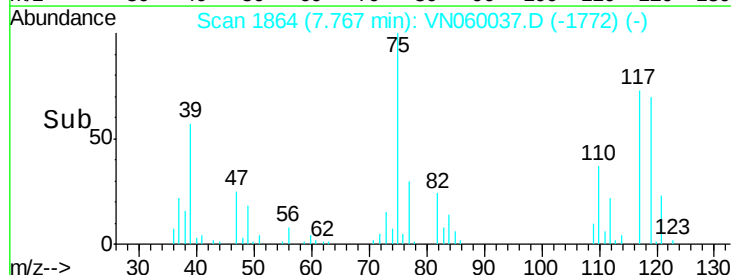
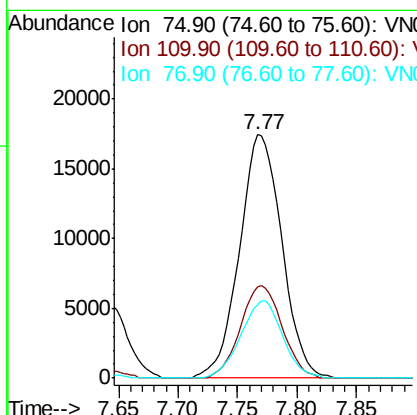
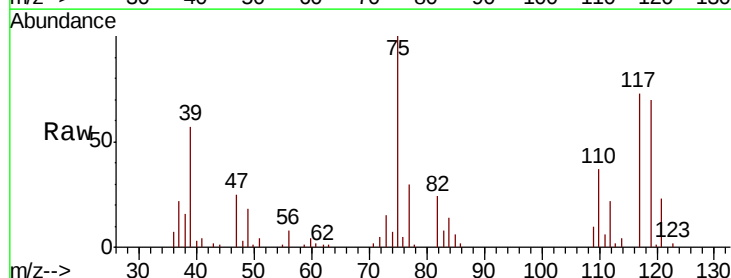
RT: 7.77 min Scan# 1864

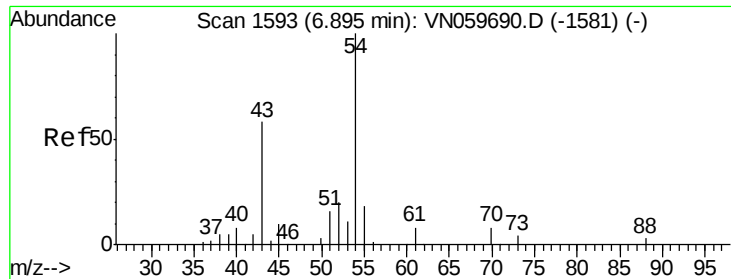
Delta R.T. -0.00 min

Lab File: VN060037.D

Acq: 10 Feb 2020 11:46

Tgt Ion:	75	Resp:	42998
Ion Ratio	Lower	Upper	
75	100		
110	37.3	16.6	49.7
77	31.5	25.1	37.7





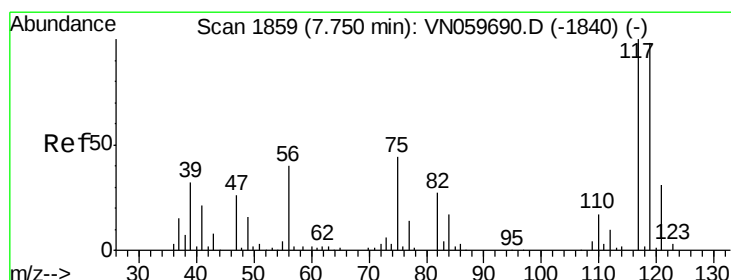
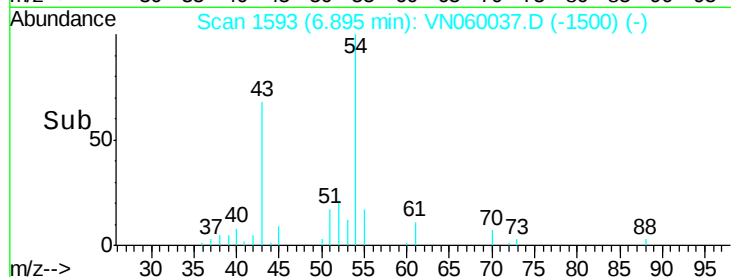
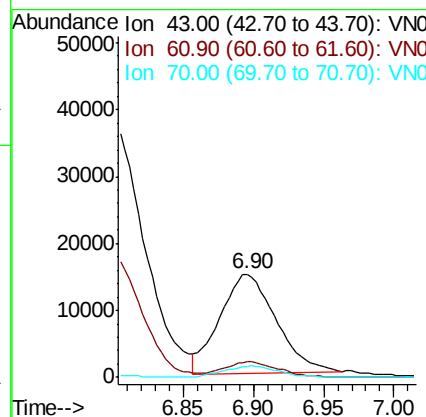
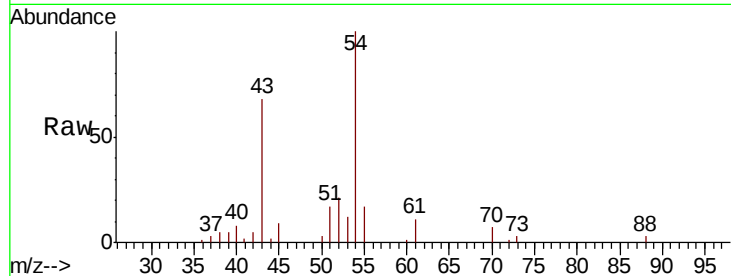
#37
Ethyl Acetate
Concen: 18.486 ug/l
RT: 6.90 min Scan# 1593
Delta R.T. 0.00 min
Lab File: VN060037.D
Acq: 10 Feb 2020 11:46

Instrument :
MSVOA_N
ClientSampleID :
VN0210WBSD01

Tot Ion	43	61	70
Resp	41202		
Ratio	100	15.3	11.1
Lower		10.9	7.7
Upper		16.3	11.5

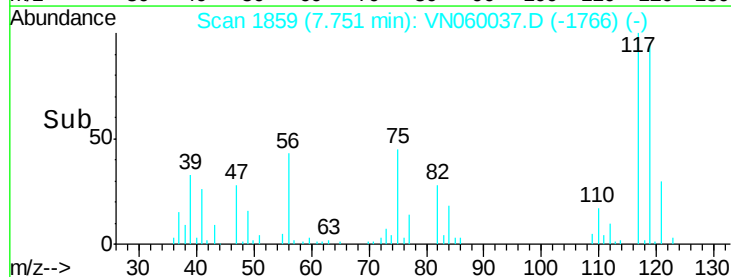
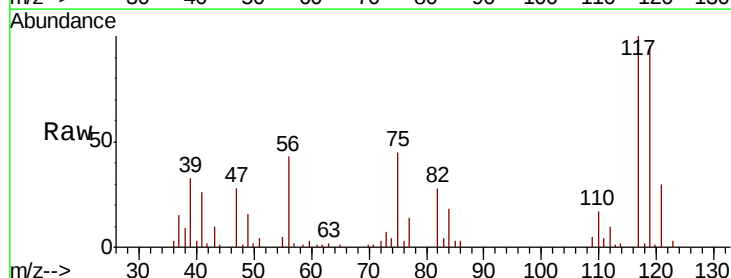
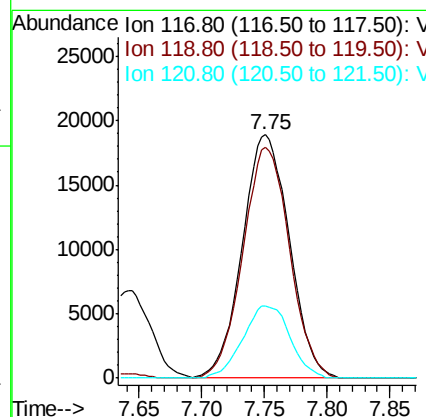
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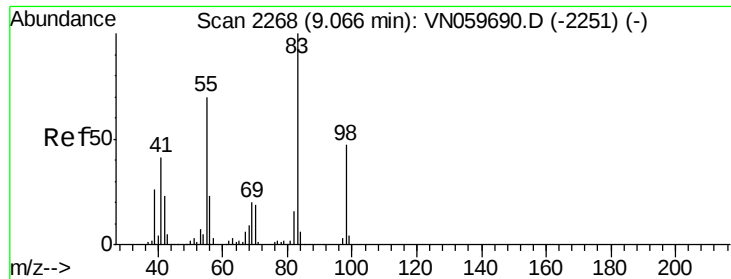
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#38
Carbon Tetrachloride
Concen: 19.076 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. 0.00 min
Lab File: VN060037.D
Acq: 10 Feb 2020 11:46

Tgt Ion	117	119	121
Resp	49313		
Ratio	100	94.6	29.8
Lower		76.5	25.1
Upper		114.7	37.7





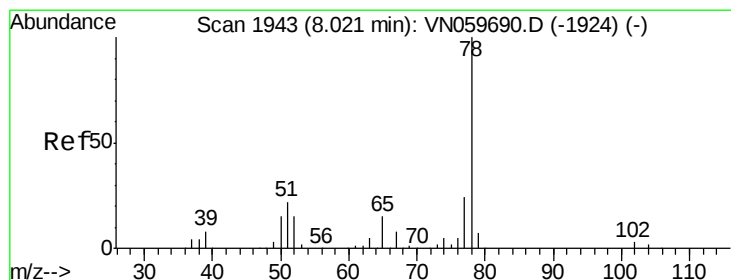
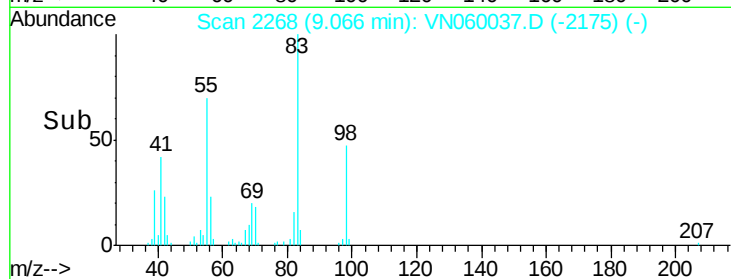
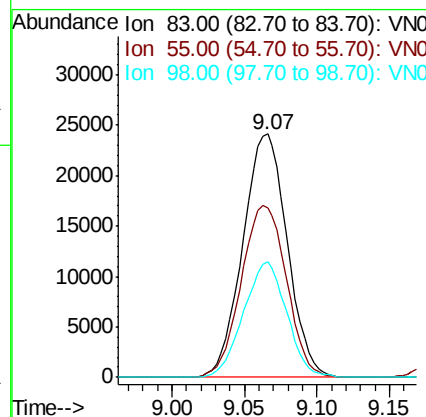
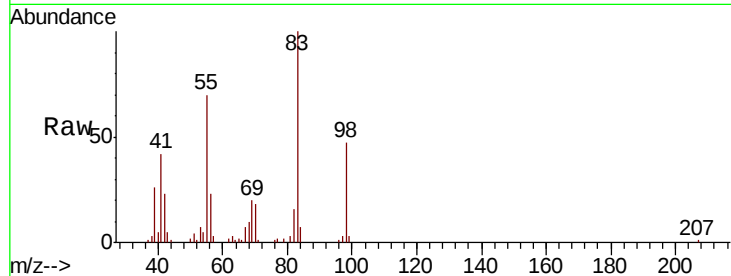
#39
Methvlcvclohexane
Concen: 17.564 ug/l
RT: 9.07 min Scan# 2268
Delta R.T. 0.00 min
Lab File: VN060037.D
Acq: 10 Feb 2020 11:46

Instrument :
MSVOA_N
ClientSampleId :
VN0210WBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	69.5	64.2	96.2
98	47.4	35.9	53.9

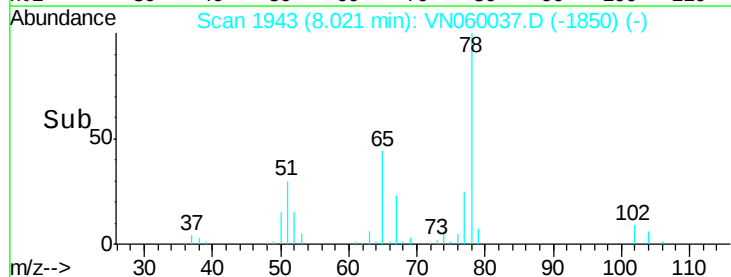
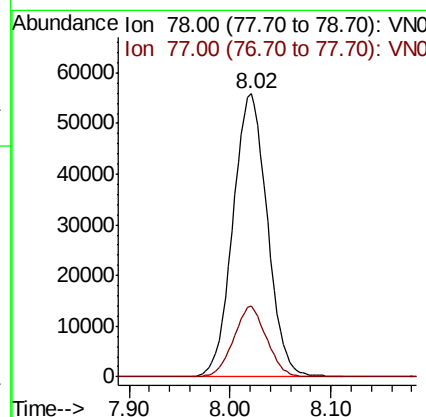
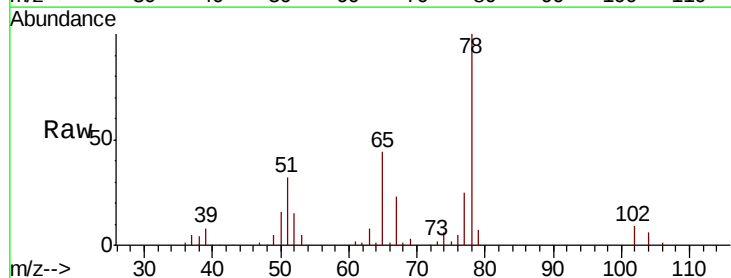
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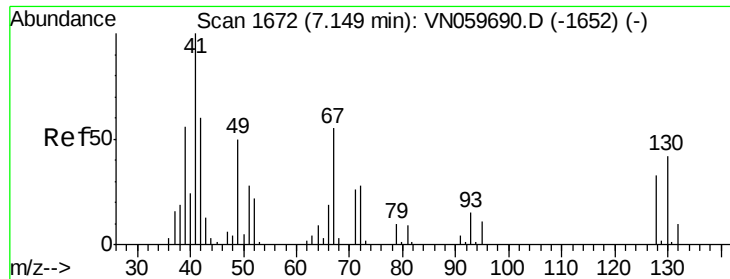
MMDadoda
2/11/2020 11:04:07 AM



#40
Benzene
Concen: 18.607 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. 0.00 min
Lab File: VN060037.D
Acq: 10 Feb 2020 11:46

Tgt Ion	Ratio	Lower	Upper
78	100		
77	25.0	18.9	28.3





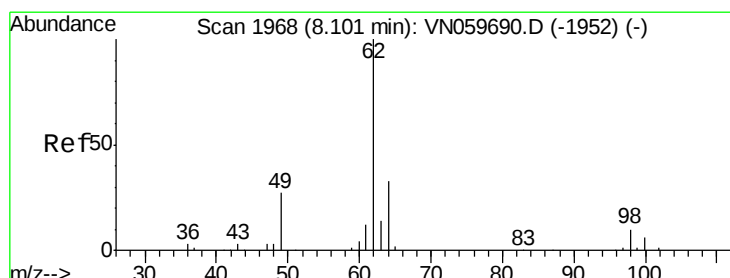
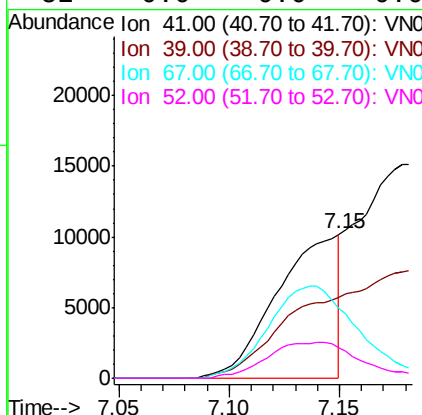
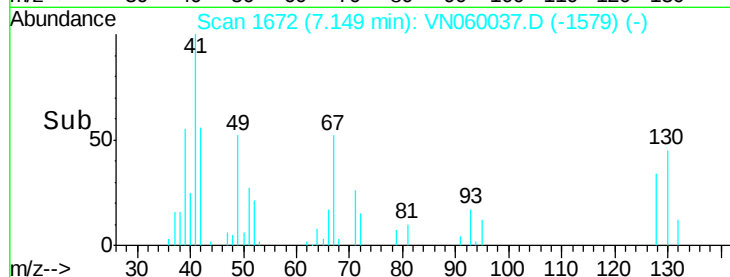
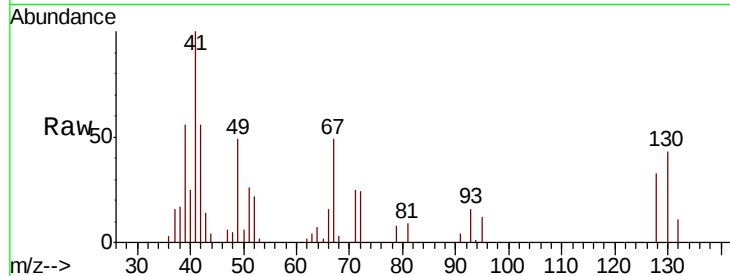
#41
Methacrylonitrile
Concen: 18.120 ug/l m
RT: 7.15 min Scan# 1672
Delta R.T. 0.00 min
Lab File: VN060037.D
Acq: 10 Feb 2020 11:46

Instrument :
MSVOA_N
ClientSampleId :
VN0210WBSD01

Tot Ion	41	Resp	19893
Ion Ratio	Lower	Upper	
41	100		
39	174.4	0.0	0.0#
67	0.0	0.0	0.0
52	0.0	0.0	0.0

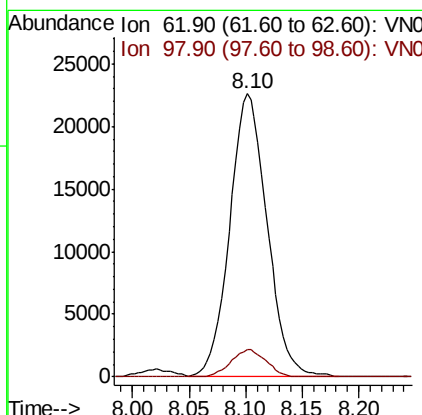
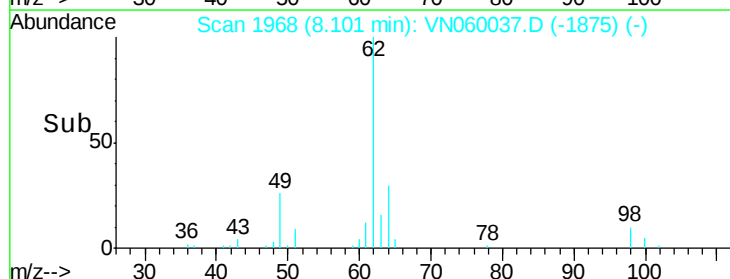
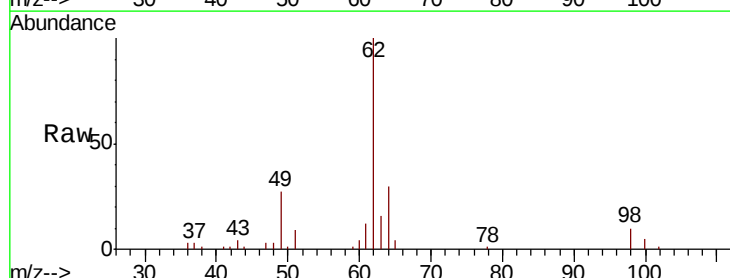
Manual Integrations
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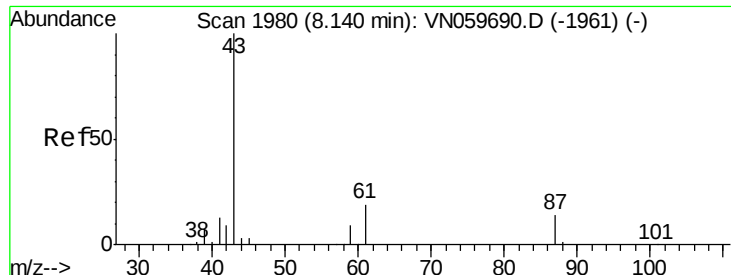
MMDadoda
2/11/2020 11:04:07 AM



#42
1,2-Dichloroethane
Concen: 21.645 ug/l
RT: 8.10 min Scan# 1968
Delta R.T. 0.00 min
Lab File: VN060037.D
Acq: 10 Feb 2020 11:46

Tgt Ion	62	Resp	52012
Ion Ratio	Lower	Upper	
62	100		
98	9.0	0.0	15.8





#43

Isopropyl Acetate

Concen: 19.781 ug/l

RT: 8.14 min Scan# 1980

Delta R.T. 0.00 min

Lab File: VN060037.D

Acq: 10 Feb 2020 11:46

Instrument :

MSVOA_N

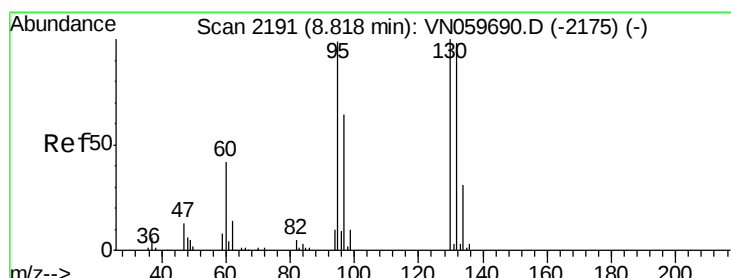
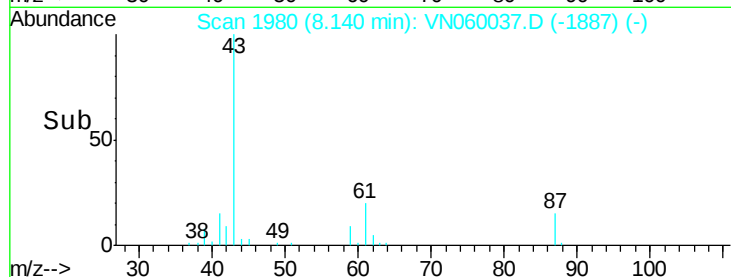
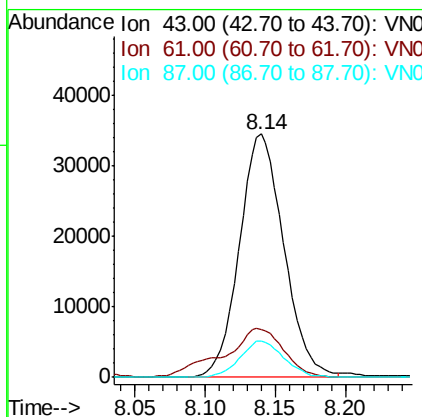
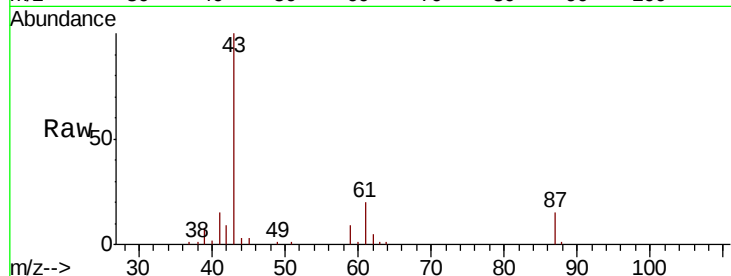
ClientSampleId :

VN0210WBSD01

Tot Ion:	43	Resp:	75835
Ion	Ratio	Lower	Upper
43	100		
61	27.4	20.2	30.2
87	14.7	9.5	14.3#

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2/11/2020 11:04:07 AM



#44

Trichloroethene

Concen: 19.655 ug/l

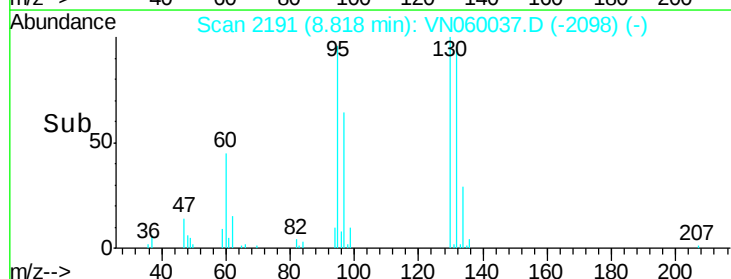
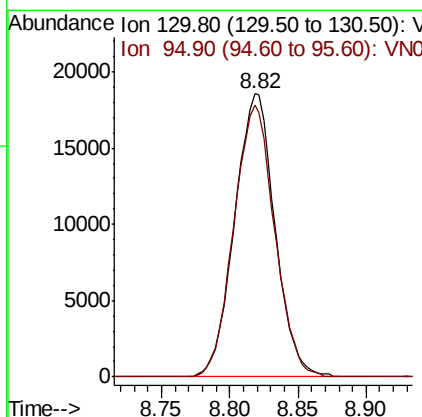
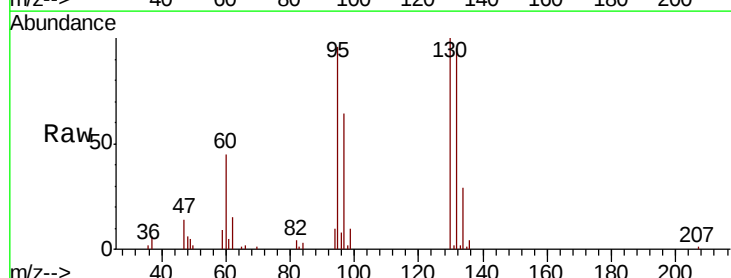
RT: 8.82 min Scan# 2191

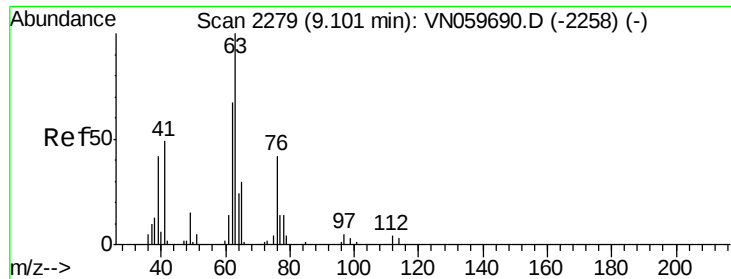
Delta R.T. 0.00 min

Lab File: VN060037.D

Acq: 10 Feb 2020 11:46

Tgt Ion:	130	Resp:	38028
Ion	Ratio	Lower	Upper
130	100		
95	95.9	0.0	207.0





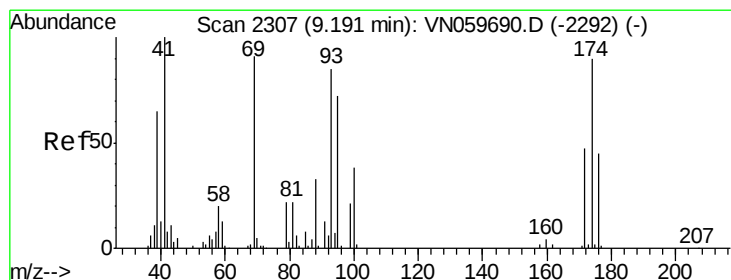
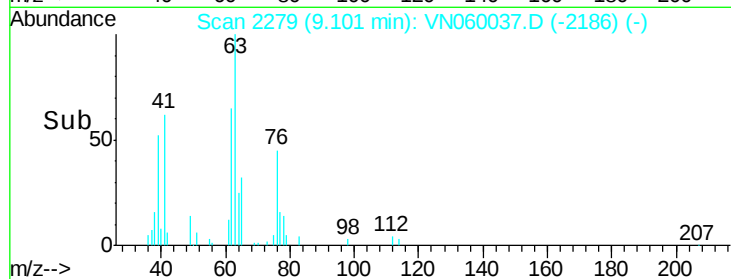
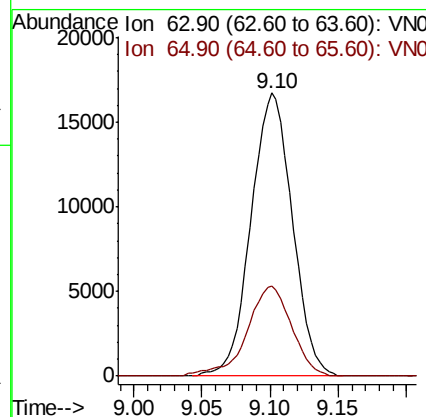
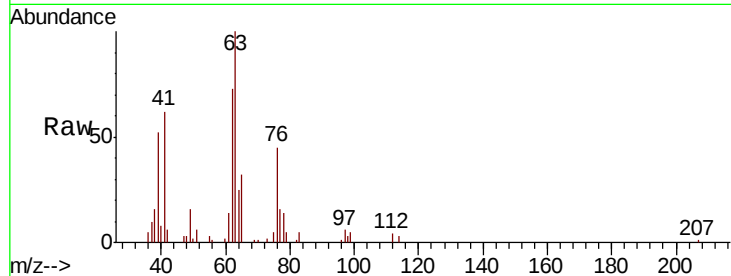
#45
 1,2-Dichloropropane
 Concen: 20.063 ug/l
 RT: 9.10 min Scan# 2279
 Delta R.T. 0.00 min
 Lab File: VN060037.D
 Acq: 10 Feb 2020 11:46

Instrument :
 MSVOA_N
 ClientSampled :
 VN0210WBSD01

Tot Ion	63	Resp	35185
Ion Ratio	100	Lower	Upper
63	100		
65	31.9	24.9	37.3

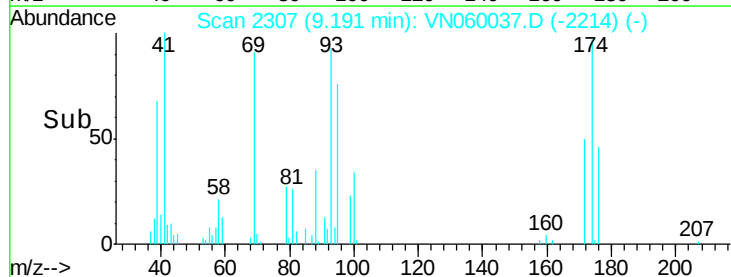
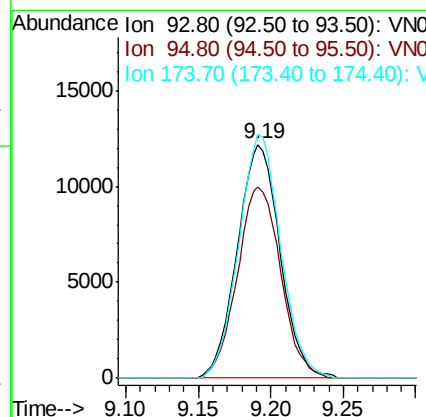
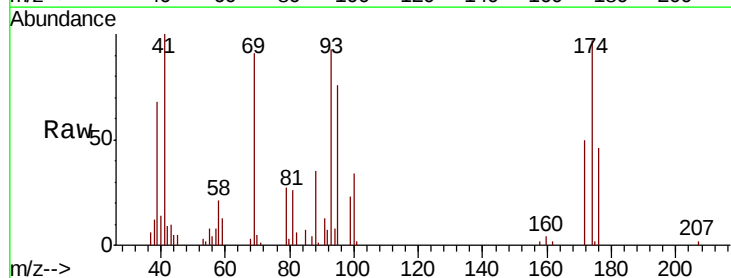
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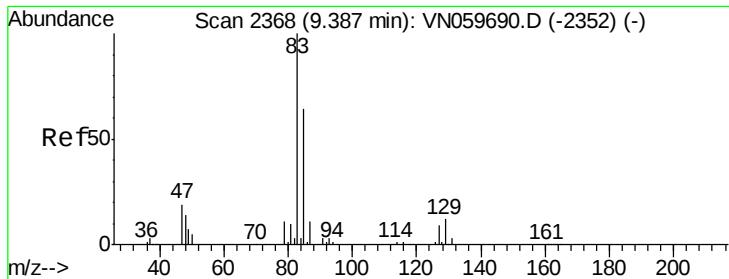
MMDadoda
 2/11/2020 11:04:07 AM



#46
 Dibromomethane
 Concen: 20.173 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. 0.00 min
 Lab File: VN060037.D
 Acq: 10 Feb 2020 11:46

Tgt Ion	93	Resp	24957
Ion Ratio	100	Lower	Upper
93	100		
95	83.0	67.0	100.6
174	102.4	73.4	110.2





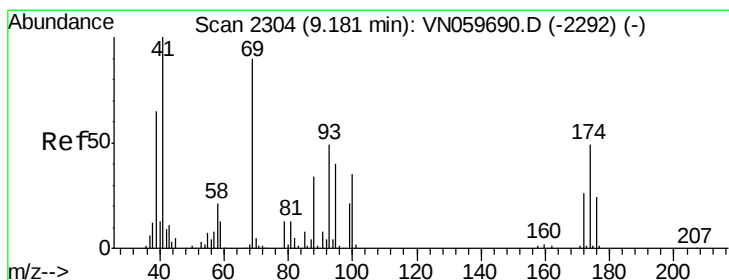
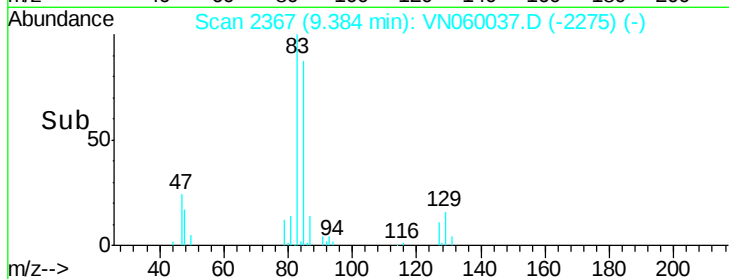
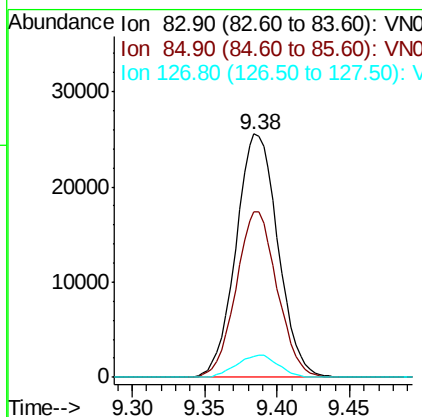
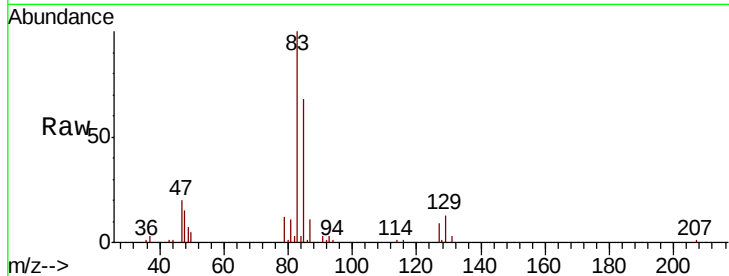
#47
Bromodichloromethane
Concen: 20.621 ug/l
RT: 9.38 min Scan# 2367
Delta R.T. -0.00 min
Lab File: VN060037.D
Acq: 10 Feb 2020 11:46

Instrument :
MSVOA_N
ClientSampled :
VN0210WBSD01

Tot Ion	83	Resp	51408
Ion Ratio	100		
85	68.2	51.1	76.7
127	8.6	6.6	9.8

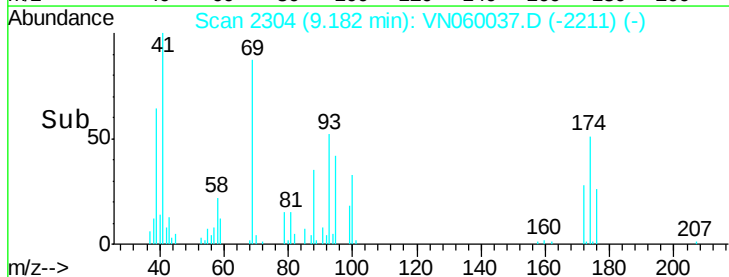
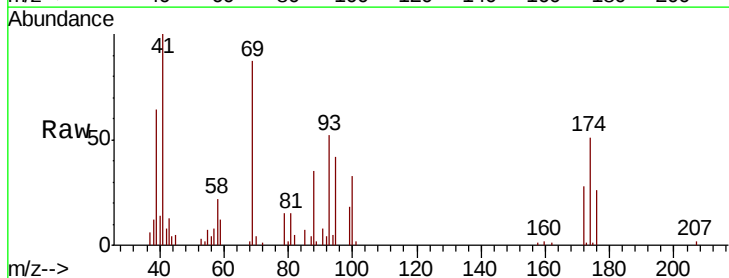
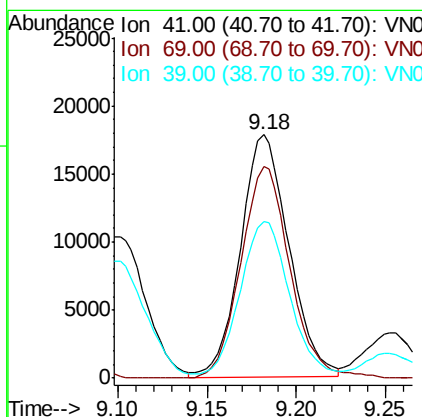
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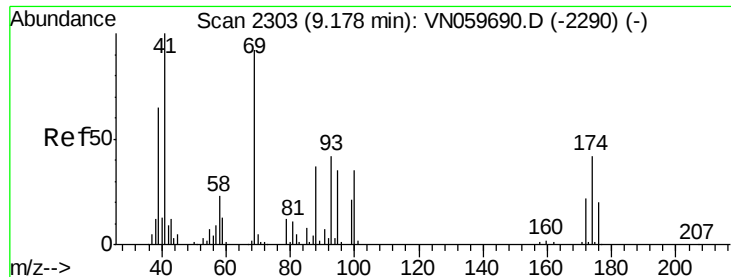
MMDadoda
2/11/2020 11:04:07 AM



#48
Methyl methacrylate
Concen: 19.762 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. 0.00 min
Lab File: VN060037.D
Acq: 10 Feb 2020 11:46

Tgt Ion	41	Resp	33889
Ion Ratio	100		
69	88.7	64.4	96.6
39	66.6	51.3	76.9





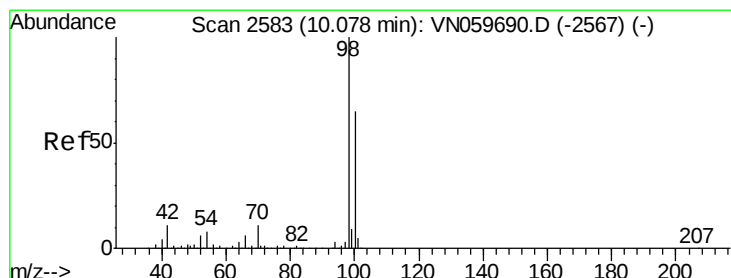
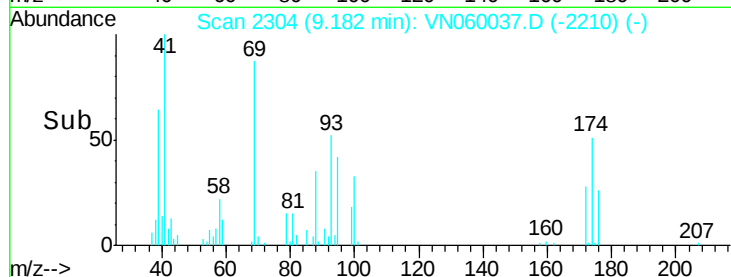
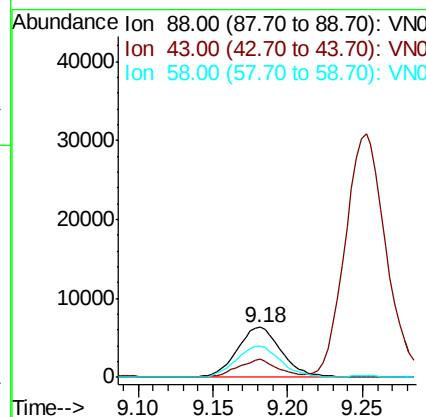
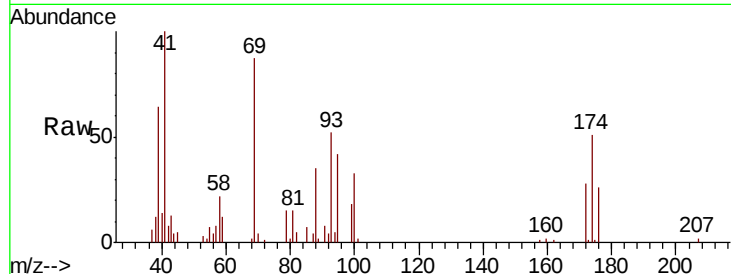
#49
1,4-Dioxane
Concen: 414.528 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. 0.00 min
Lab File: VN060037.D
Acq: 10 Feb 2020 11:46

Instrument :
MSVOA_N
ClientSampleId :
VN0210WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
88	100			
43	33.2	29.7	44.5	
58	62.7	56.6	85.0	

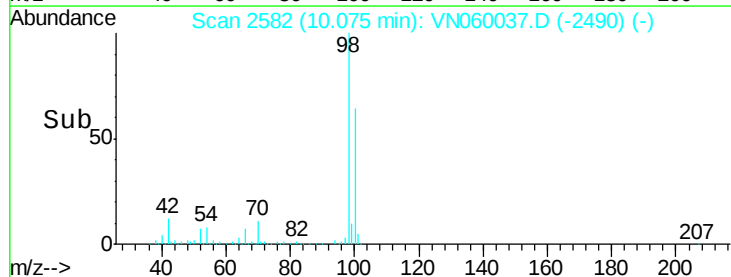
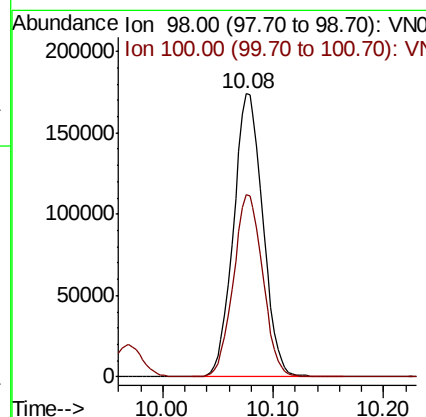
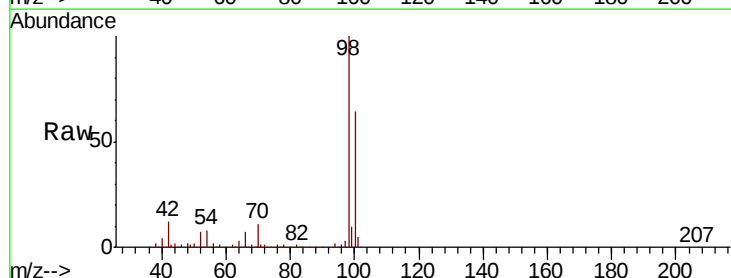
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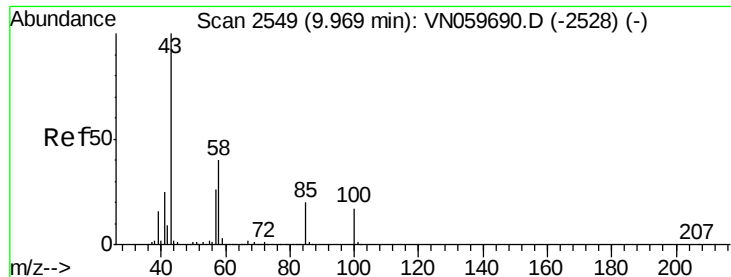
MMDadoda
2/11/2020 11:04:07 AM



#50
Toluene-d8
Concen: 50.964 ug/l
RT: 10.08 min Scan# 2582
Delta R.T. -0.00 min
Lab File: VN060037.D
Acq: 10 Feb 2020 11:46

Tgt Ion	Ratio	Resp	Lower	Upper
98	100			
100	64.5	51.2	76.8	





#51

4-Methyl-2-Pentanone

Concen: 100.837 ug/l

RT: 9.97 min Scan# 2549

Delta R.T. 0.00 min

Lab File: VN060037.D

Acq: 10 Feb 2020 11:46

Instrument :

MSVOA_N

ClientSampleId :

VN0210WBSD01

Tot Ion: 43 Resp: 223473

Ion Ratio Lower Upper

43 100

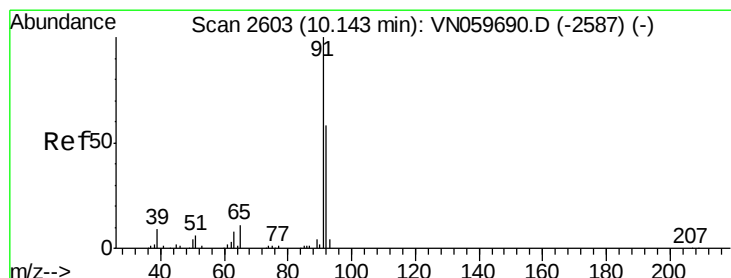
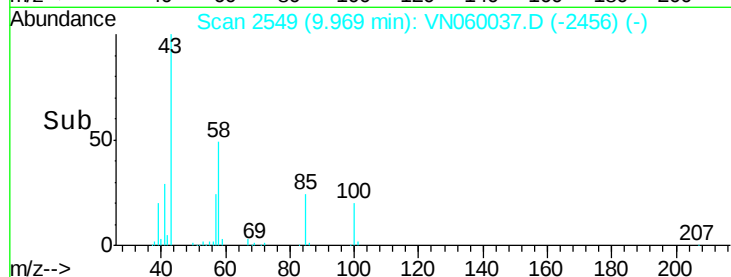
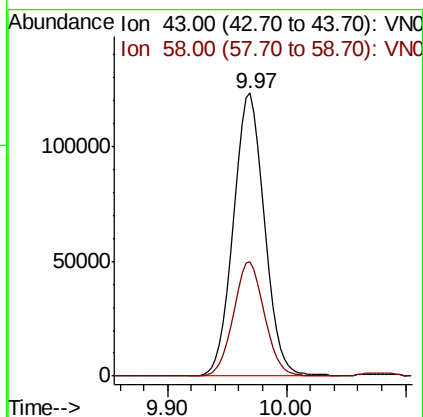
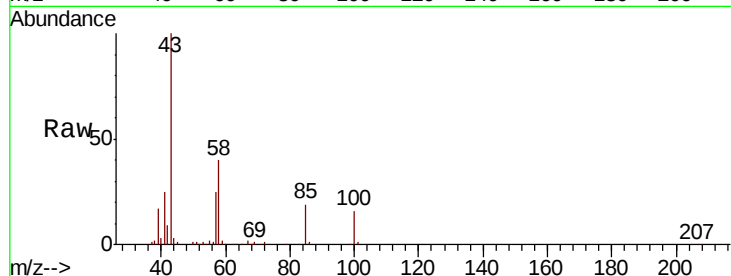
58 40.1 29.8 44.8

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#52

Toluene

Concen: 19.483 ug/l

RT: 10.14 min Scan# 2603

Delta R.T. 0.00 min

Lab File: VN060037.D

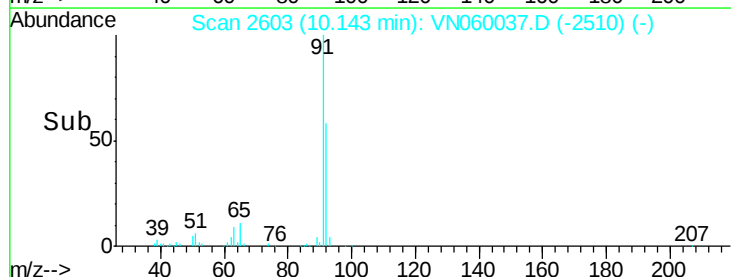
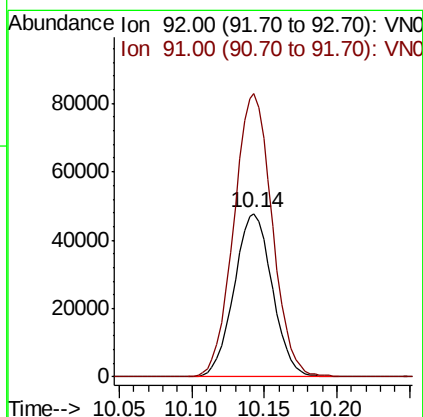
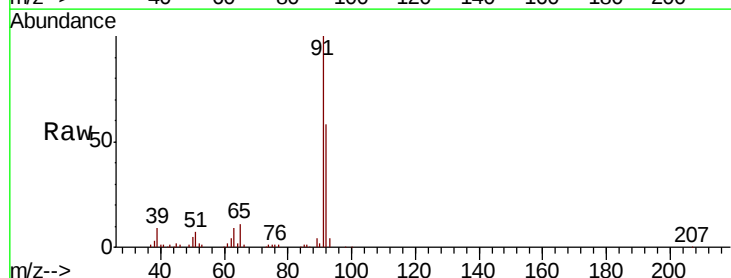
Acq: 10 Feb 2020 11:46

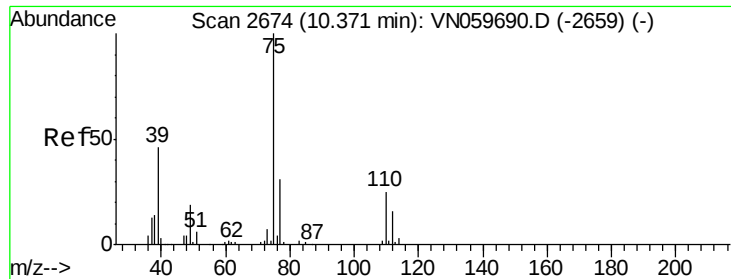
Tgt Ion: 92 Resp: 87218

Ion Ratio Lower Upper

92 100

91 174.4 140.4 210.6





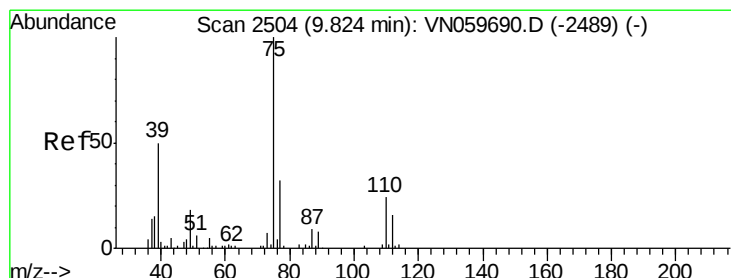
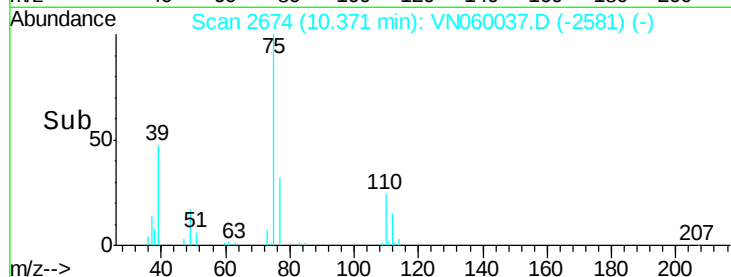
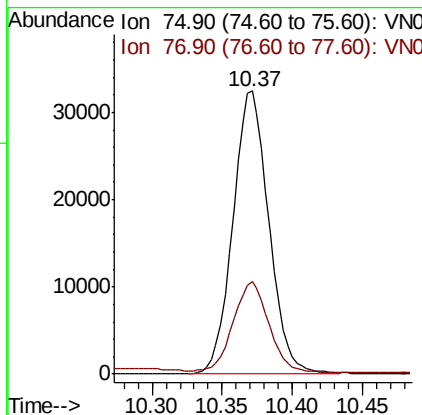
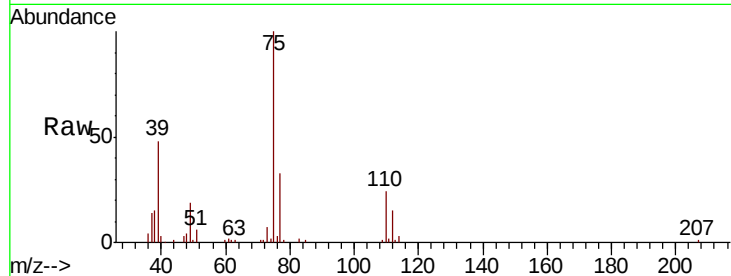
#53
t-1,3-Dichloropropene
Concen: 20.786 ug/l
RT: 10.37 min Scan# 2674
Delta R.T. 0.00 min
Lab File: VN060037.D
Acq: 10 Feb 2020 11:46

Instrument :
MSVOA_N
ClientSampled :
VN0210WBSD01

Tot Ion: 75 Resp: 57862
Ion Ratio Lower Upper
75 100
77 31.9 25.4 38.2

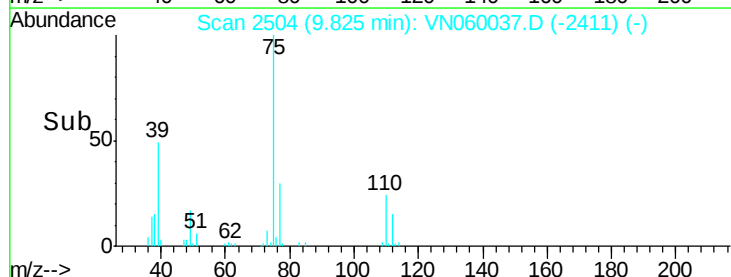
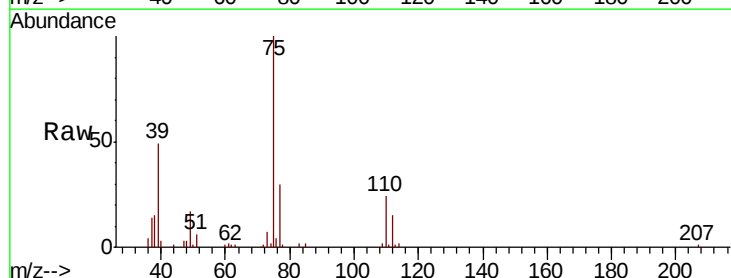
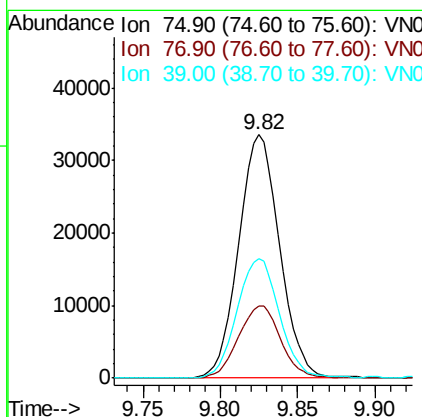
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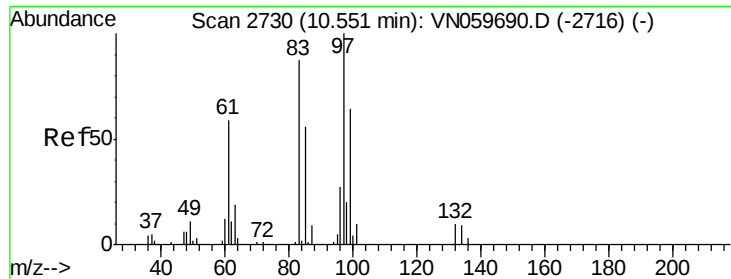
MMDadoda
2/11/2020 11:04:07 AM



#54
cis-1,3-Dichloropropene
Concen: 21.103 ug/l
RT: 9.82 min Scan# 2504
Delta R.T. 0.00 min
Lab File: VN060037.D
Acq: 10 Feb 2020 11:46

Tgt Ion: 75 Resp: 61810
Ion Ratio Lower Upper
75 100
77 29.6 25.1 37.7
39 49.3 46.1 69.1





#55

1,1,2-Trichloroethane

Concen: 20.808 ug/l

RT: 10.55 min Scan# 2730

Delta R.T. 0.00 min

Lab File: VN060037.D

Acq: 10 Feb 2020 11:46

Instrument :

MSVOA_N

ClientSampleId :

VN0210WBSD01

Tot Ion: 97 Resp: 36893

Ion Ratio Lower Upper

97 100

83 91.8 71.3 106.9

85 58.7 45.8 68.8

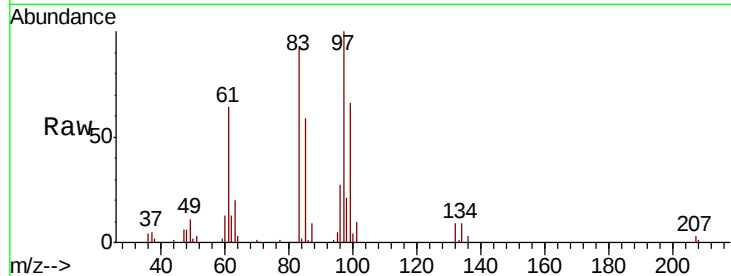
99 66.2 50.0 75.0

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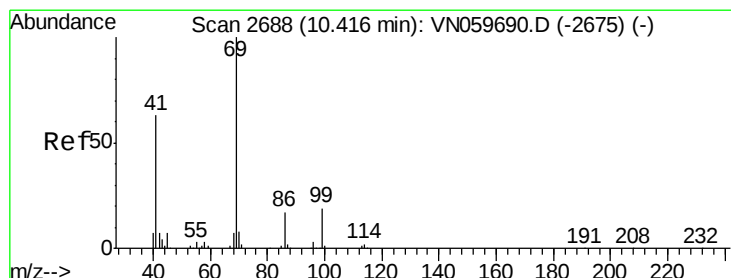
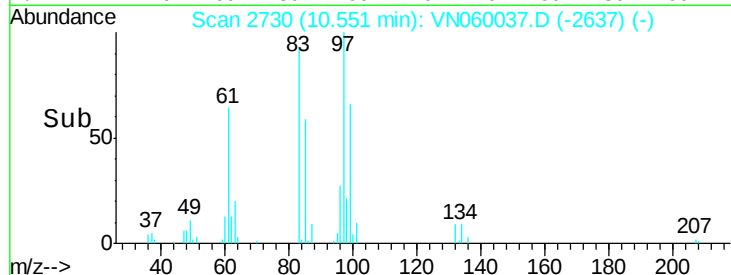
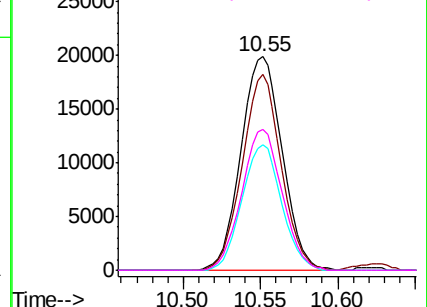


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 19.117 ug/l

RT: 10.42 min Scan# 2689

Delta R.T. 0.00 min

Lab File: VN060037.D

Acq: 10 Feb 2020 11:46

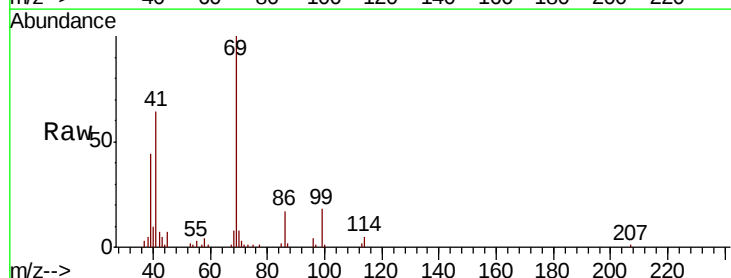
Tgt Ion: 69 Resp: 51792

Ion Ratio Lower Upper

69 100

41 64.2 57.1 85.7

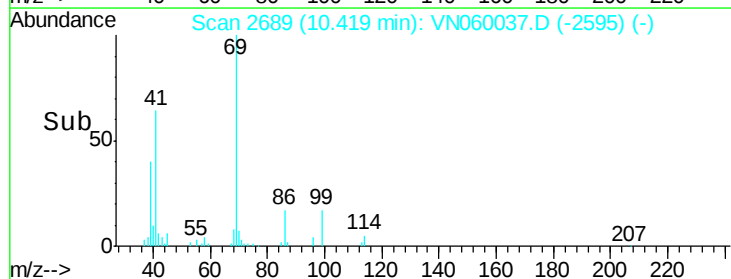
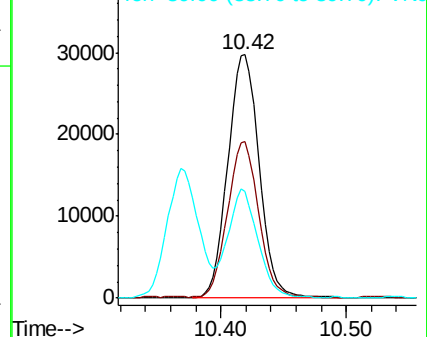
39 43.6 34.7 52.1

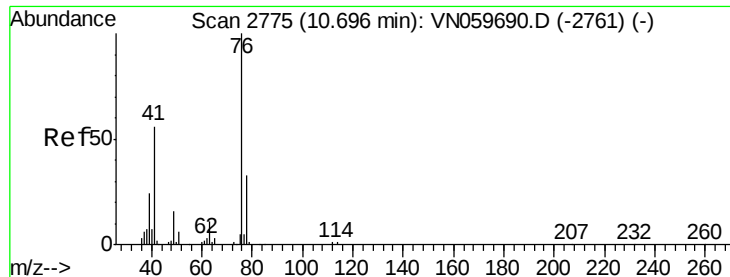


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 21.419 ug/l

RT: 10.70 min Scan# 2775

Delta R.T. 0.00 min

Lab File: VN060037.D

Acq: 10 Feb 2020 11:46

Instrument :

MSVOA_N

ClientSampleId :

VN0210WBSD01

Tot Ion: 76 Resp: 60293

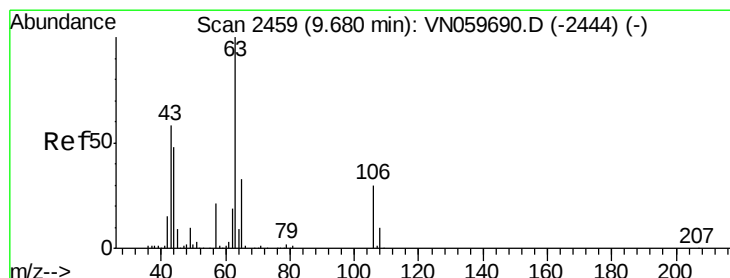
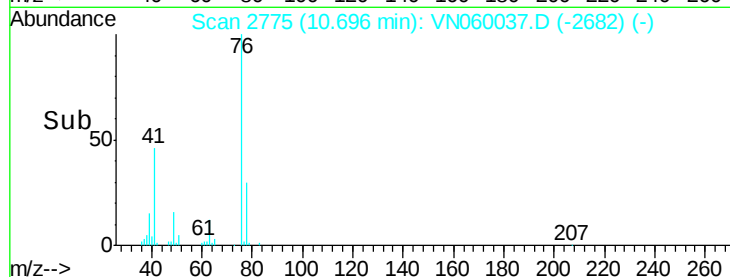
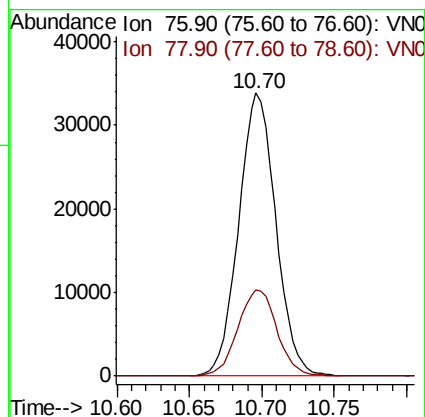
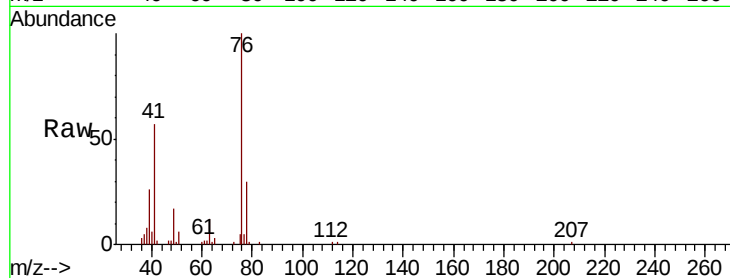
Ion Ratio Lower Upper

76 100

78 32.1 25.8 38.8

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#58

2-Chloroethyl Vinyl ether

Concen: 108.056 ug/l

RT: 9.68 min Scan# 2459

Delta R.T. 0.00 min

Lab File: VN060037.D

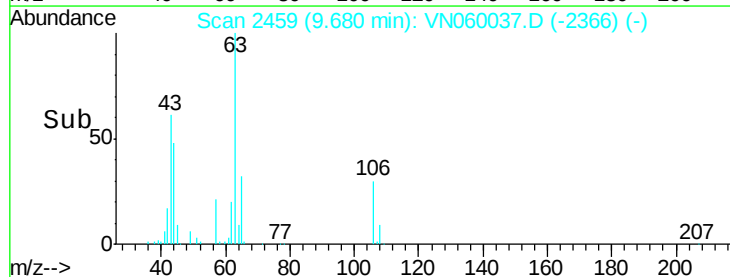
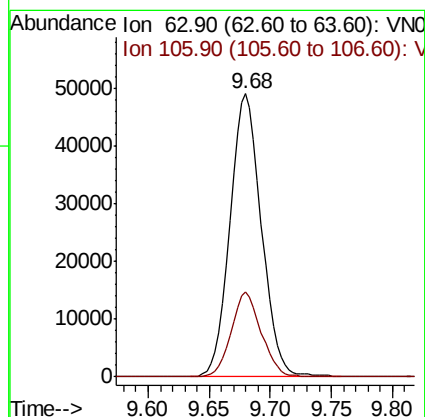
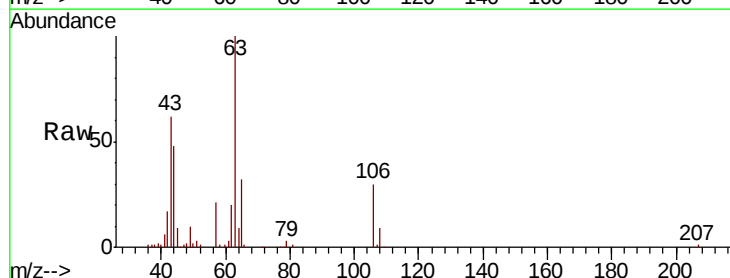
Acq: 10 Feb 2020 11:46

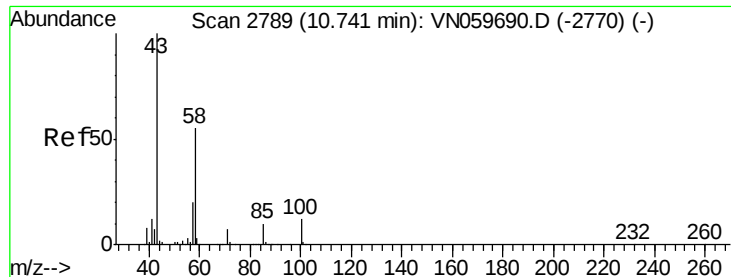
Tgt Ion: 63 Resp: 88176

Ion Ratio Lower Upper

63 100

106 28.6 20.2 30.2





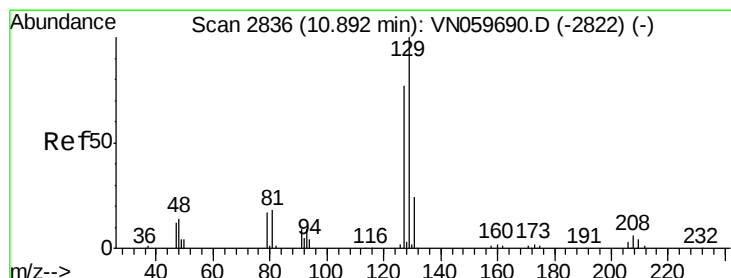
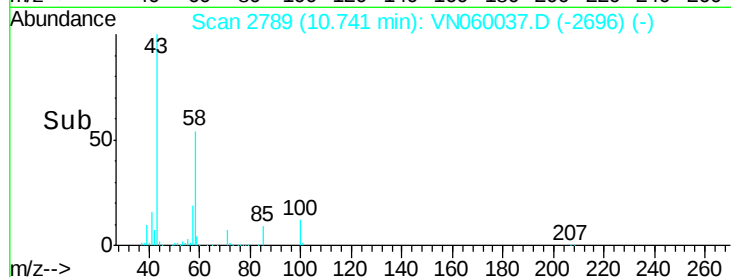
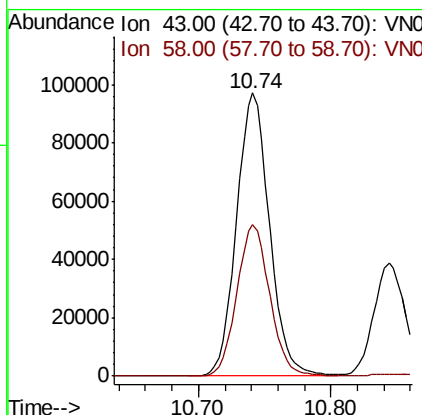
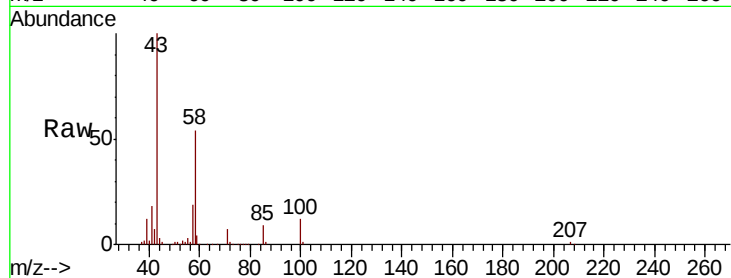
#59
2-Hexanone
Concen: 102.769 ug/l
RT: 10.74 min Scan# 2789
Delta R.T. 0.00 min
Lab File: VN060037.D
Acq: 10 Feb 2020 11:46

Instrument :
MSVOA_N
ClientSampleId :
VN0210WBSD01

Tot Ion	43	Resp	167787
Ion Ratio	43	100	
Lower	58	53.4	25.8
Upper			77.3

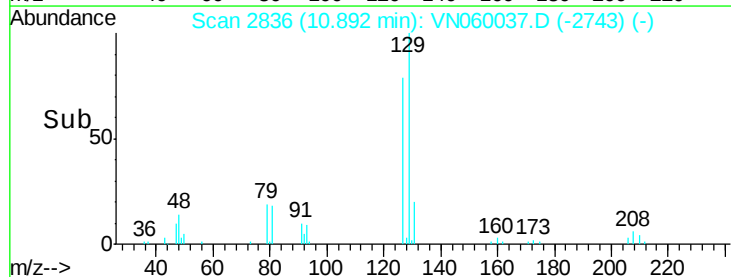
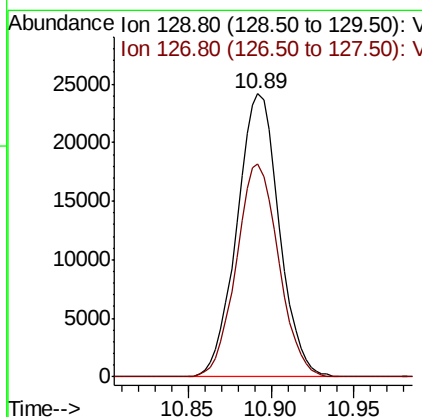
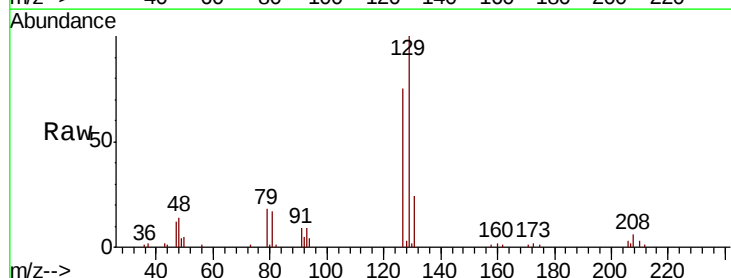
Manual Integrations
APPROVED

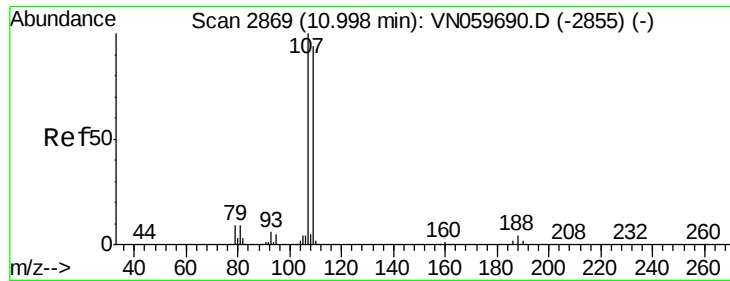
MMDadoda
2/11/2020 11:04:07 AM



#60
Dibromochloromethane
Concen: 21.223 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. 0.00 min
Lab File: VN060037.D
Acq: 10 Feb 2020 11:46

Tgt Ion	129	Resp	42851
Ion Ratio	129	100	
Lower	127	75.3	38.5
Upper			115.5





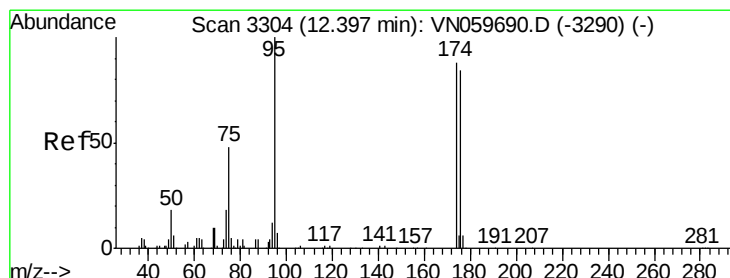
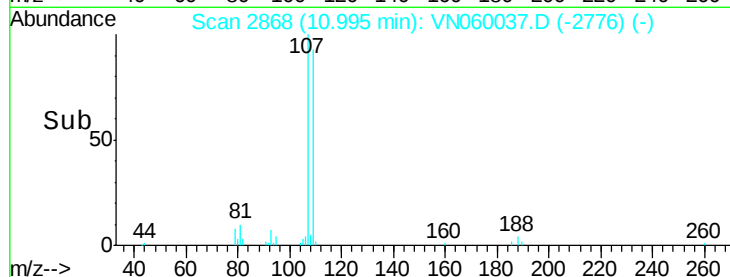
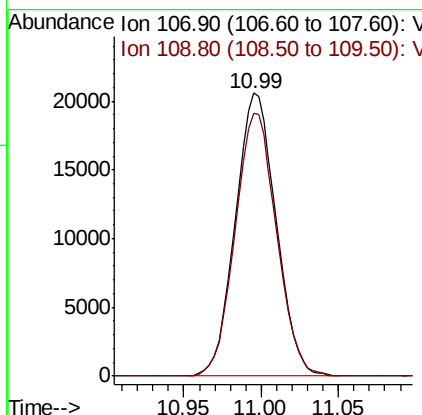
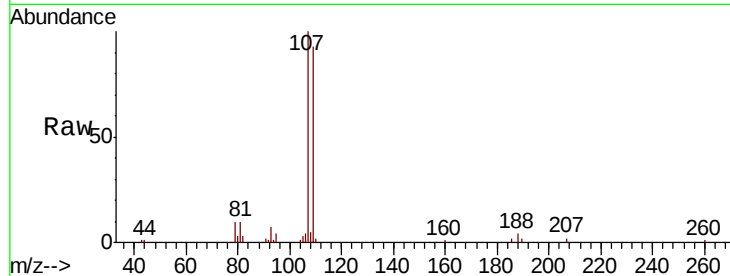
#61
 1,2-Dibromoethane
 Concen: 20.224 ug/l
 RT: 10.99 min Scan# 2868
 Delta R.T. -0.00 min
 Lab File: VN060037.D
 Acq: 10 Feb 2020 11:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0210WBSD01

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.4	76.6	115.0

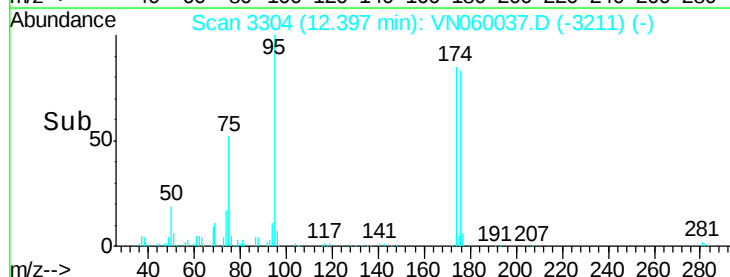
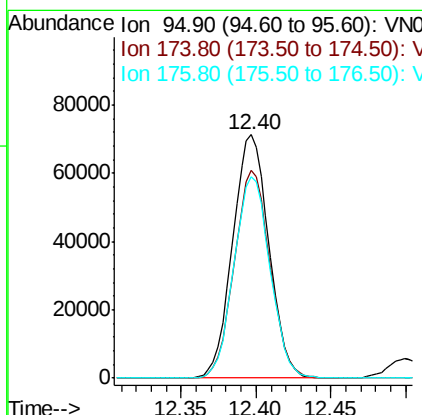
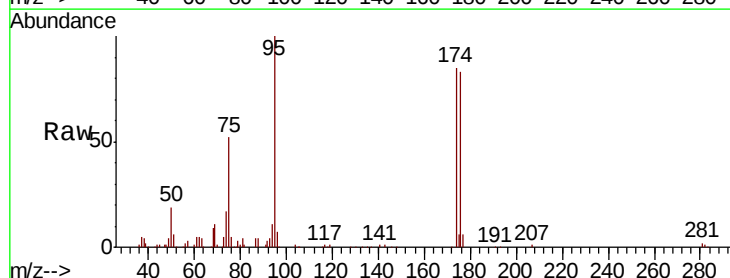
Manual Integrations
 APPROVED

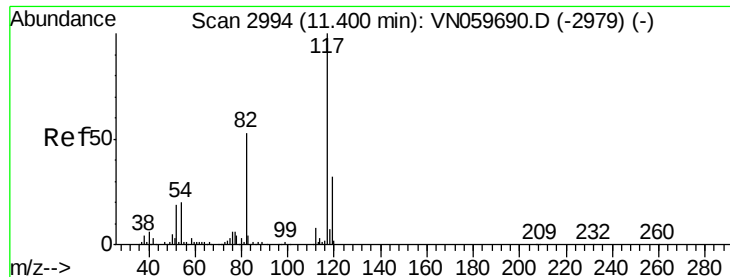
MMDadoda
 2/11/2020 11:04:07 AM



#62
 4-Bromofluorobenzene
 Concen: 52.788 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. 0.00 min
 Lab File: VN060037.D
 Acq: 10 Feb 2020 11:46

Tgt Ion	Ratio	Lower	Upper
95	100		
174	84.4	0.0	151.4
176	82.4	0.0	146.0





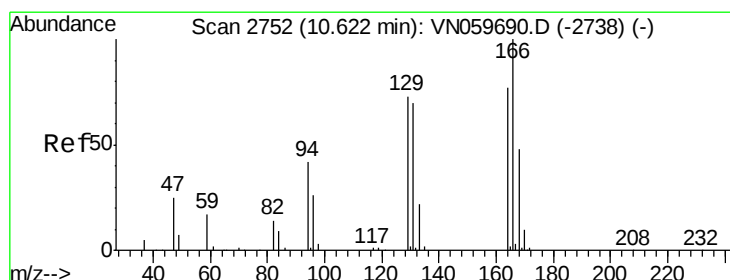
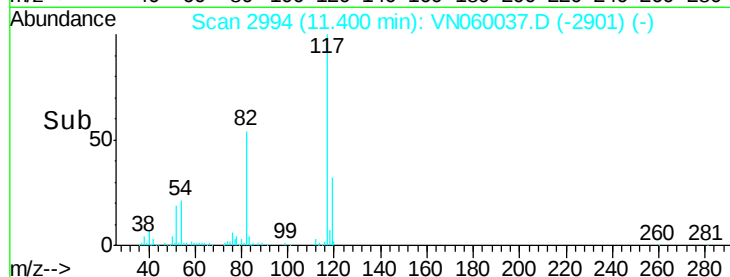
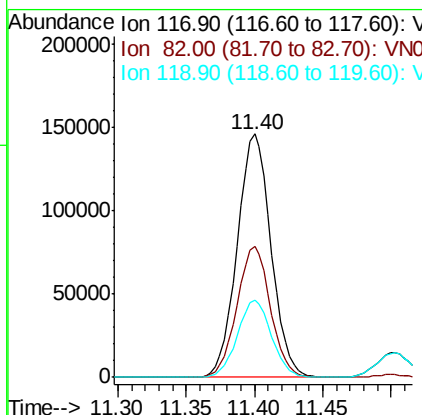
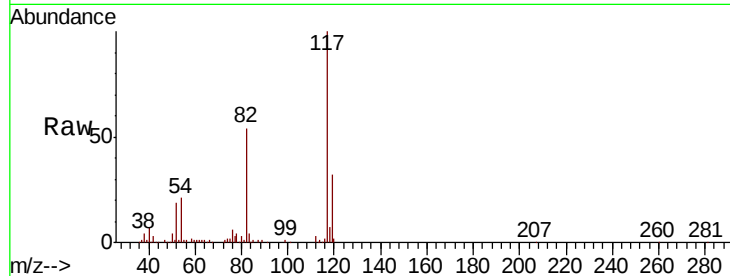
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN060037.D
Acq: 10 Feb 2020 11:46

Instrument :
MSVOA_N
ClientSampleId :
VN0210WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.8	45.9	68.9
119	31.9	25.5	38.3

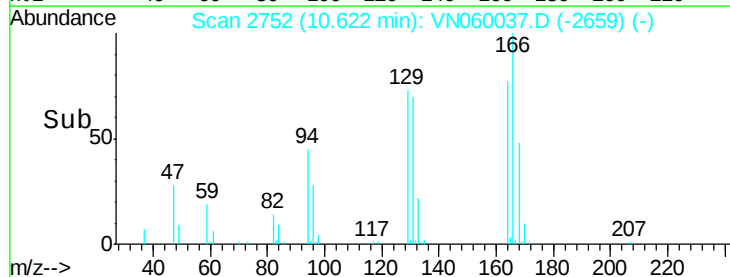
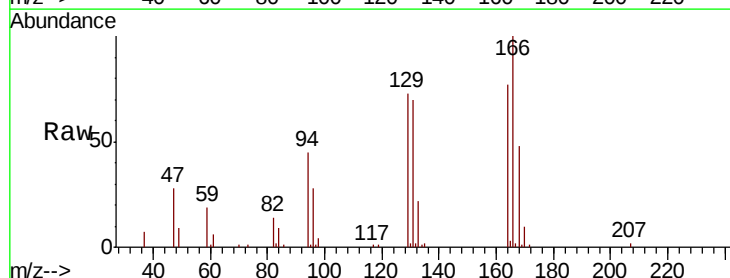
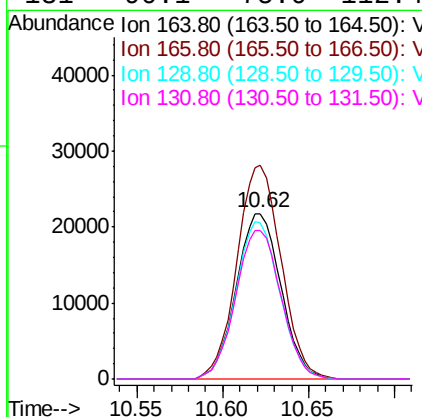
Manual Integrations
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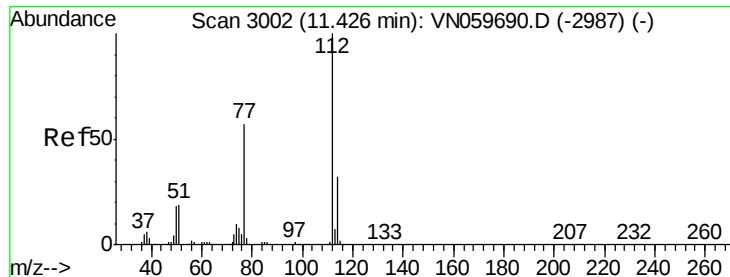
MMDadoda
2/11/2020 11:04:07 AM



#64
Tetrachloroethene
Concen: 19.237 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. 0.00 min
Lab File: VN060037.D
Acq: 10 Feb 2020 11:46

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.3	101.4	152.0
129	94.6	80.2	120.4
131	90.1	75.0	112.4





#65

Chlorobenzene

Concen: 19.442 ug/l

RT: 11.43 min Scan# 3002

Delta R.T. 0.00 min

Lab File: VN060037.D

Acq: 10 Feb 2020 11:46

Instrument :

MSVOA_N

ClientSampleId :

VN0210WBSD01

Tot Ion:112 Resp: 95909

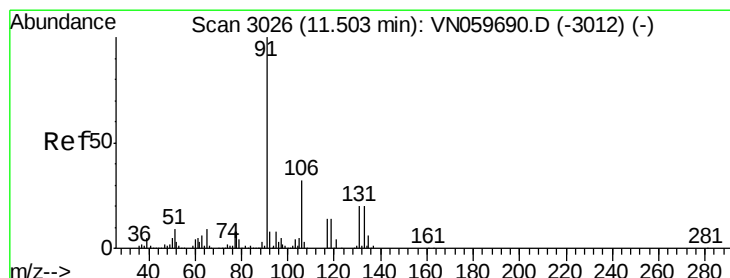
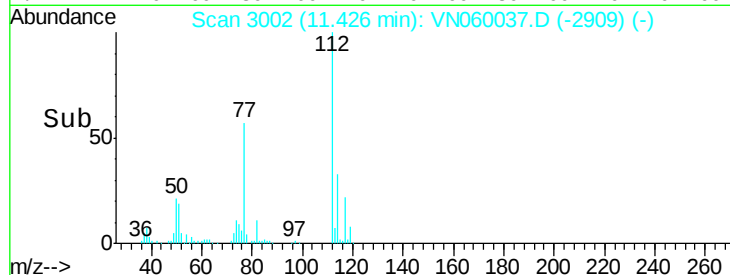
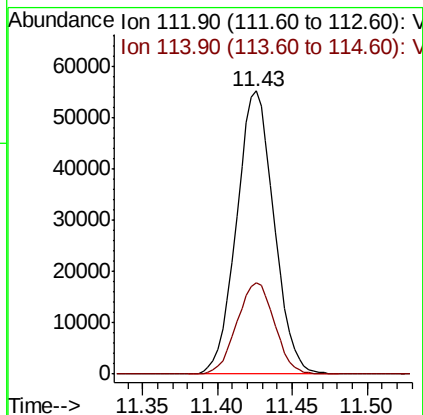
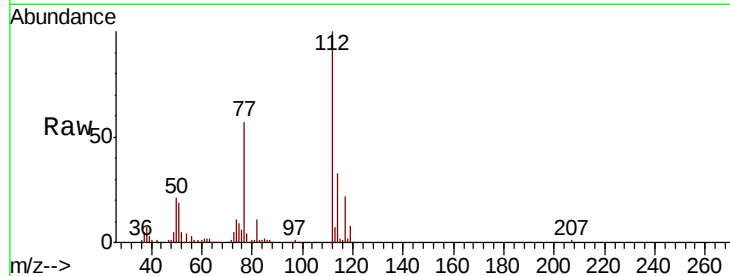
Ion Ratio Lower Upper

112 100

114 32.5 25.8 38.8

Manual Integrations
APPROVED

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2/11/2020 11:04:07 AM



#66

1,1,1,2-Tetrachloroethane

Concen: 20.180 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. 0.00 min

Lab File: VN060037.D

Acq: 10 Feb 2020 11:46

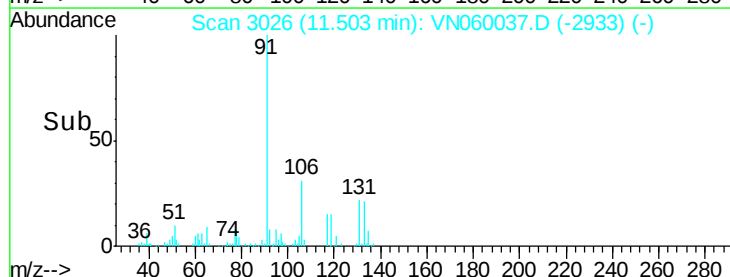
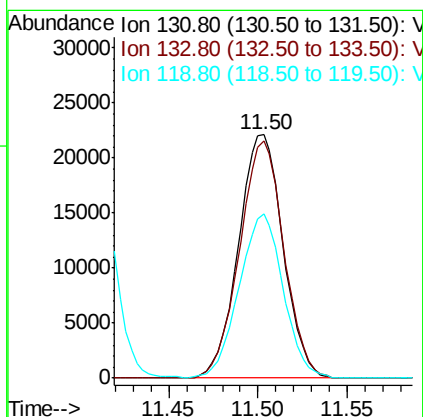
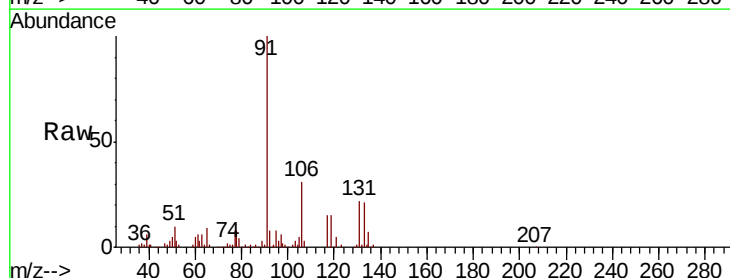
Tgt Ion:131 Resp: 38464

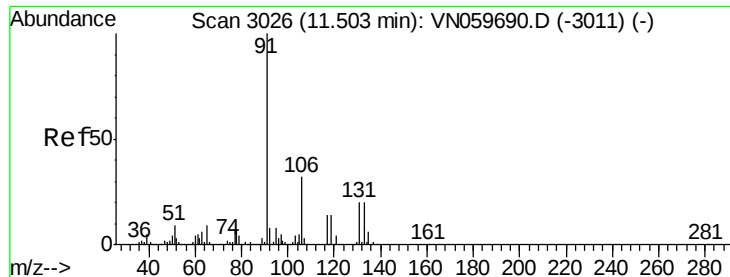
Ion Ratio Lower Upper

131 100

133 97.0 47.4 142.2

119 66.8 33.1 99.3





#67

Ethyl Benzene

Concen: 18.861 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. 0.00 min

Lab File: VN060037.D

Acq: 10 Feb 2020 11:46

Instrument :

MSVOA_N

ClientSampled :

VN0210WBSD01

Tot Ion: 91 Resp: 168901

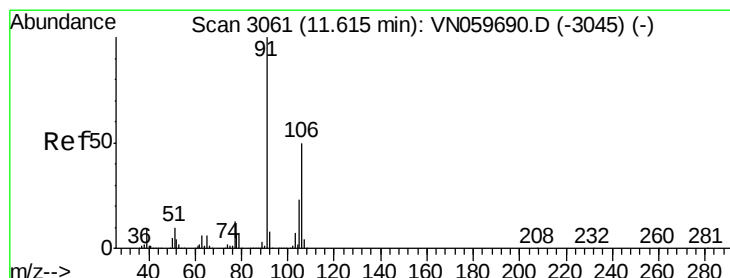
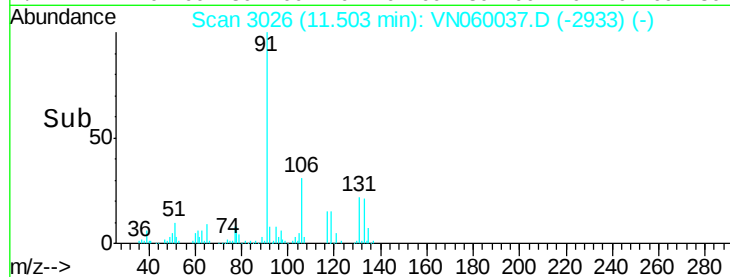
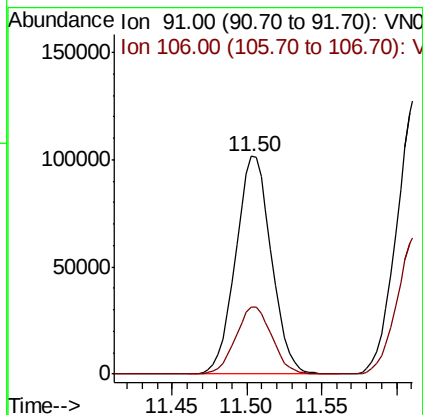
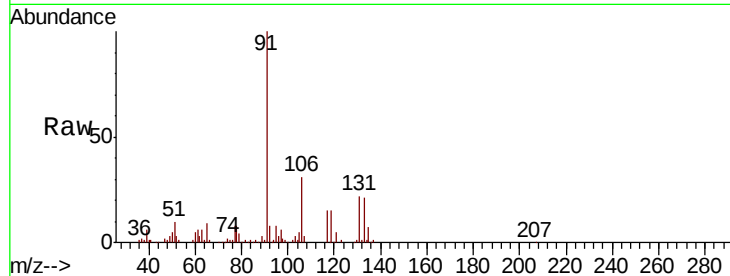
Ion Ratio Lower Upper

91 100

106 30.8 24.1 36.1

Manual Integrations
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#68

m/p-Xylenes

Concen: 37.702 ug/l

RT: 11.62 min Scan# 3061

Delta R.T. 0.00 min

Lab File: VN060037.D

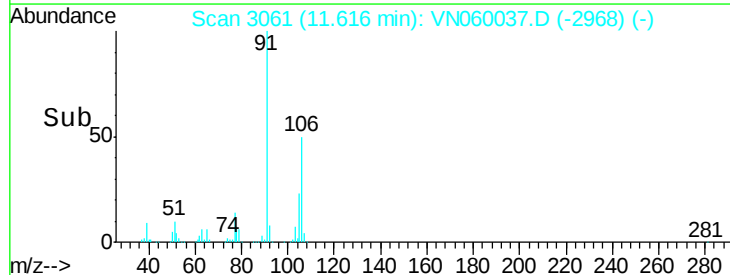
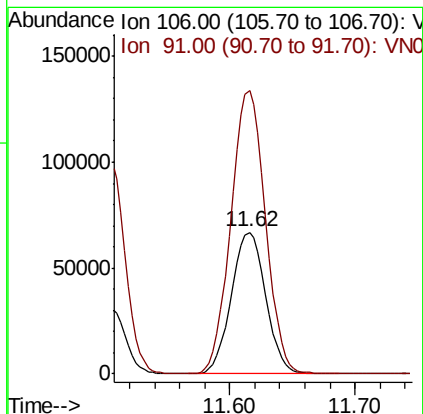
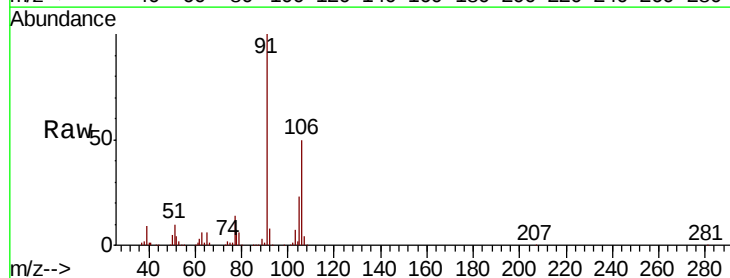
Acq: 10 Feb 2020 11:46

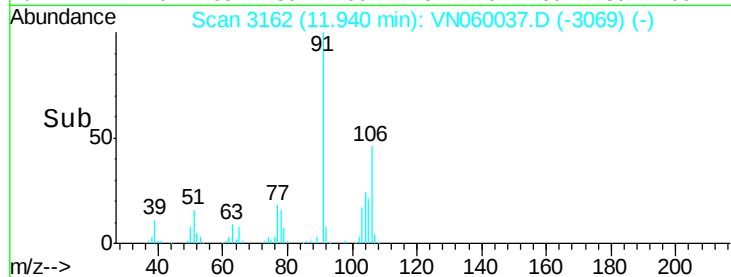
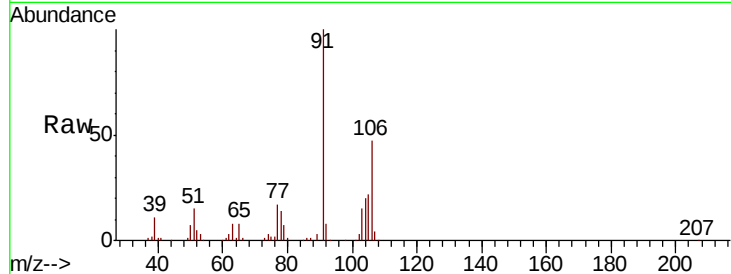
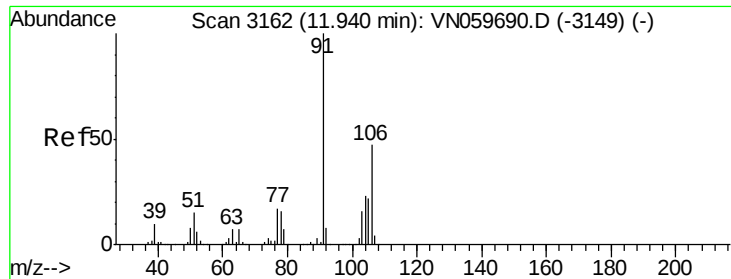
Tgt Ion: 106 Resp: 127531

Ion Ratio Lower Upper

106 100

91 199.7 167.9 251.9





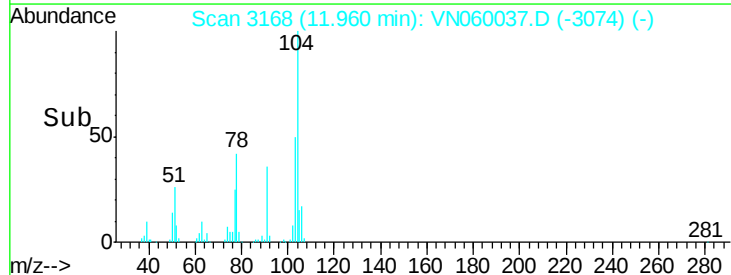
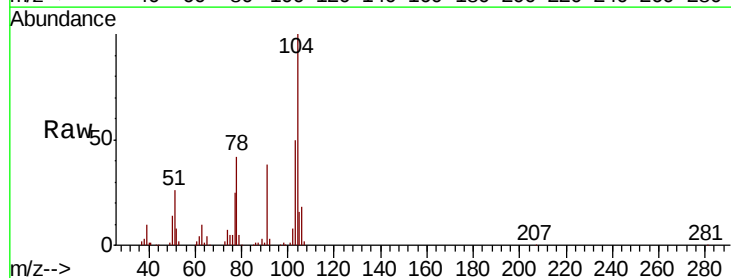
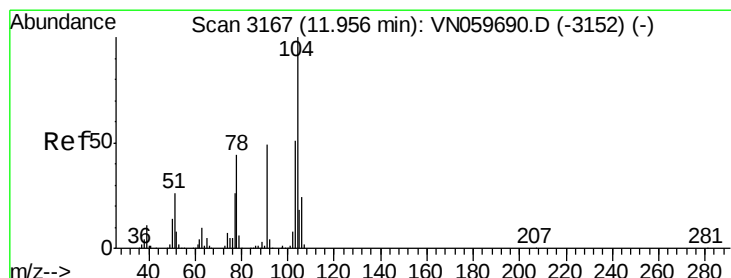
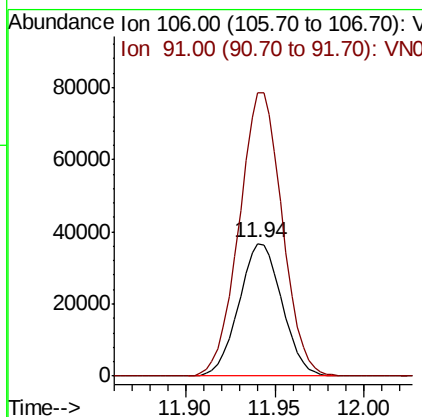
#69
o-Xylene
Concen: 18.711 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. 0.00 min
Lab File: VN060037.D
Acq: 10 Feb 2020 11:46

Tot Ion:106 Resp: 61962
Ion Ratio Lower Upper
106 100
91 214.3 110.3 330.9

Instrument :
MSVOA_N
ClientSampled :
VN0210WBSD01

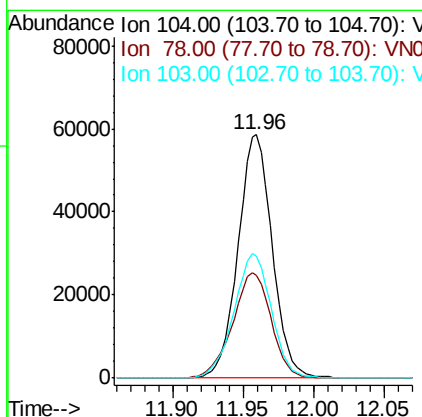
Manual Integrations
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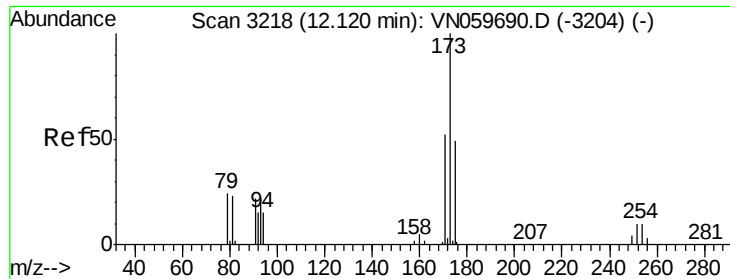
MMDadoda
2/11/2020 11:04:07 AM



#70
Styrene
Concen: 18.013 ug/l
RT: 11.96 min Scan# 3168
Delta R.T. 0.00 min
Lab File: VN060037.D
Acq: 10 Feb 2020 11:46

Tgt Ion:104 Resp: 99816
Ion Ratio Lower Upper
104 100
78 48.6 42.4 63.6
103 55.9 43.9 65.9





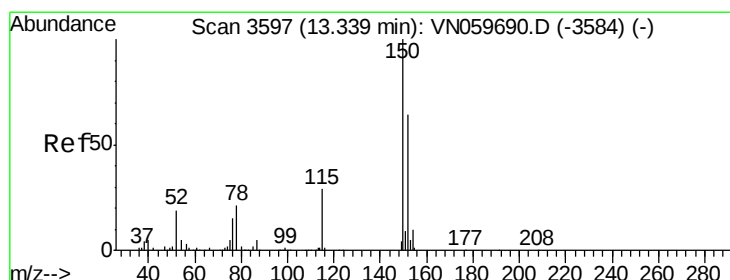
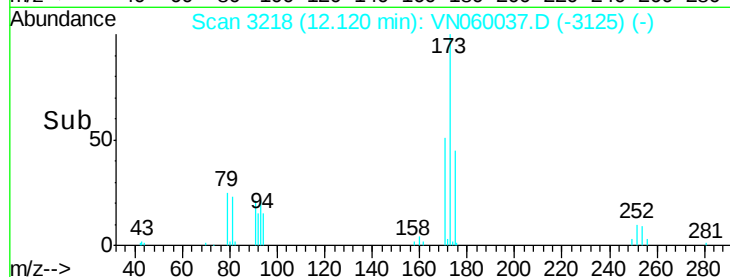
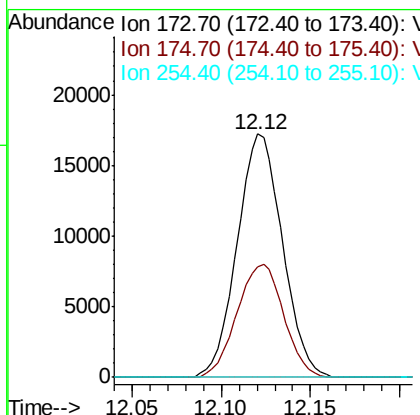
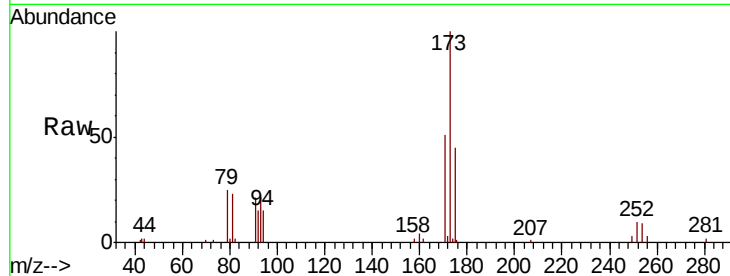
#71
Bromoform
Concen: 19.977 ug/l
RT: 12.12 min Scan# 3218
Delta R.T. 0.00 min
Lab File: VN060037.D
Acq: 10 Feb 2020 11:46

Instrument :
MSVOA_N
ClientSampleId :
VN0210WBSD01

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.7	23.8	71.4
254	0.0	0.0	0.0

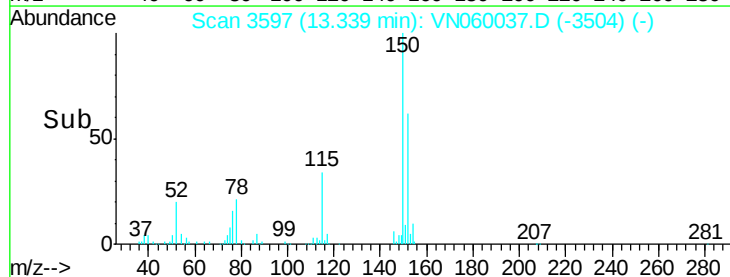
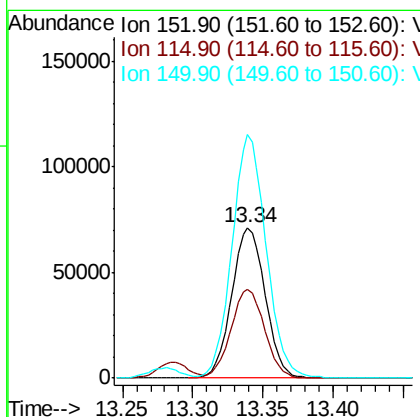
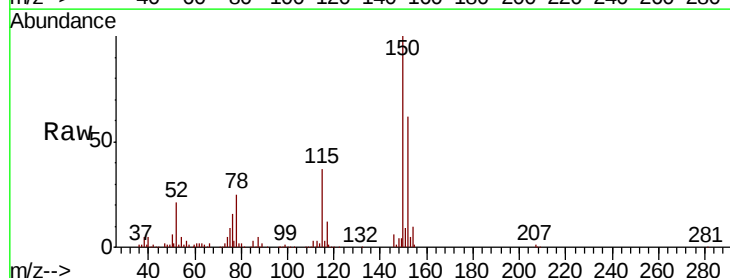
Manual Integrations
APPROVED

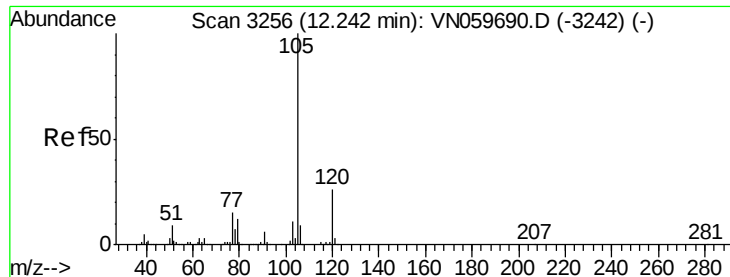
MMDadoda
2/11/2020 11:04:07 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. 0.00 min
Lab File: VN060037.D
Acq: 10 Feb 2020 11:46

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.4	30.3	90.9
150	165.4	0.0	345.2





#73

Isopropylbenzene

Concen: 19.521 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. 0.00 min

Lab File: VN060037.D

Acq: 10 Feb 2020 11:46

Instrument :

MSVOA_N

ClientSampleId :

VN0210WBSD01

Tot Ion: 105 Resp: 169445

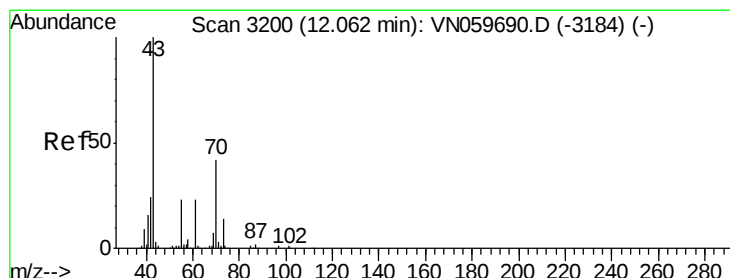
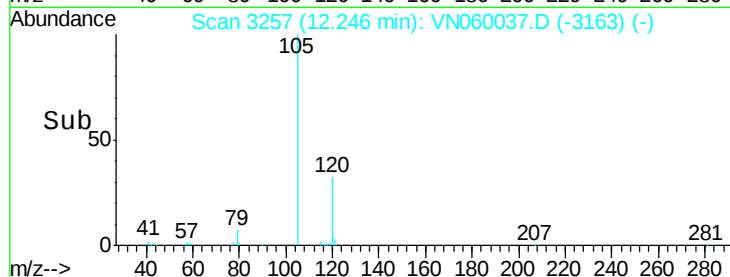
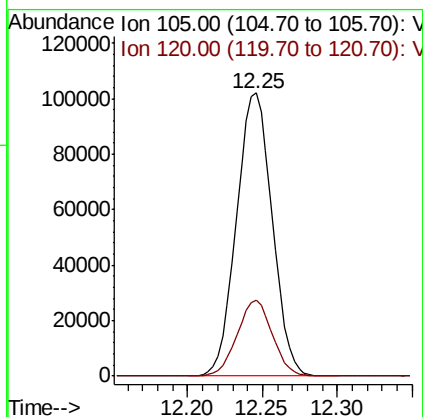
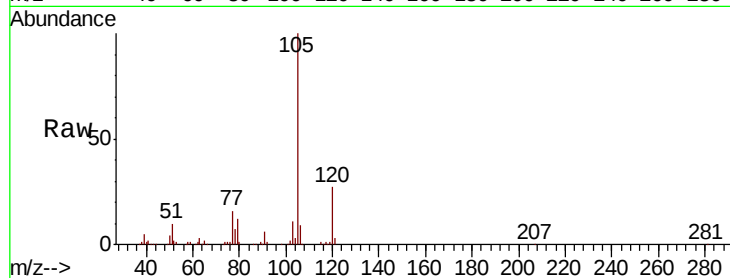
Ion Ratio Lower Upper

105 100

120 26.3 13.2 39.5

Manual Integrations
APPROVED

MMDadoda
2/11/2020 11:04:07 AM



#74

N-ethyl acetate

Concen: 18.897 ug/l

RT: 12.07 min Scan# 3201

Delta R.T. 0.00 min

Lab File: VN060037.D

Acq: 10 Feb 2020 11:46

Tgt Ion: 43 Resp: 63646

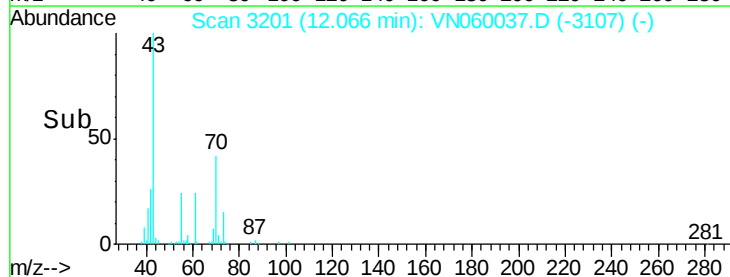
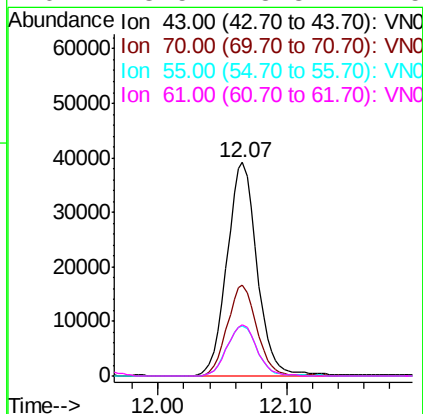
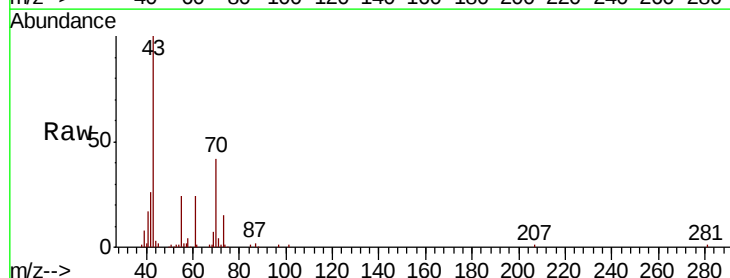
Ion Ratio Lower Upper

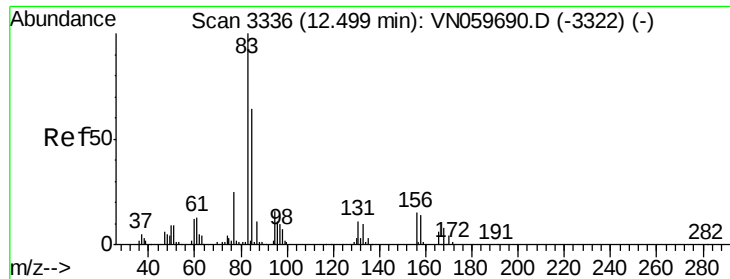
43 100

70 41.6 31.3 46.9

55 23.7 19.8 29.6

61 23.5 18.3 27.5





#75

1,1,2,2-Tetrachloroethane

Concen: 20.696 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN060037.D

Acq: 10 Feb 2020 11:46

Instrument :

MSVOA_N

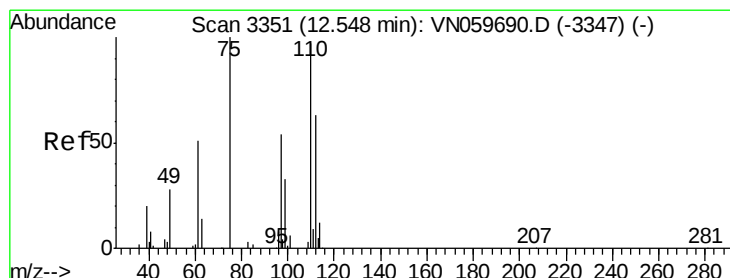
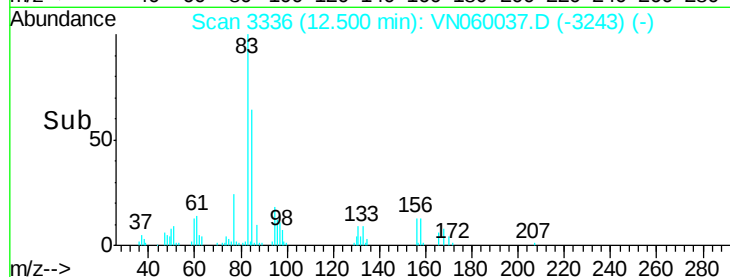
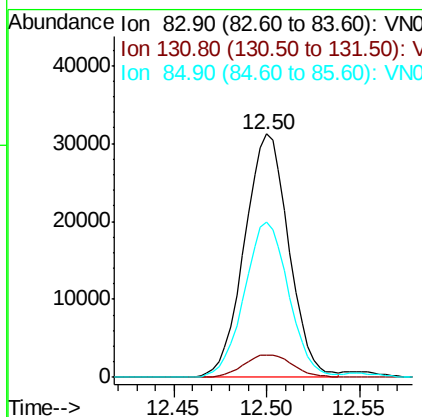
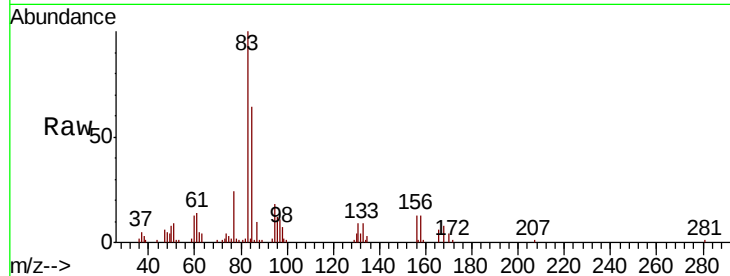
ClientSampleId :

VN0210WBSD01

Tot Ion:	83	Resp:	52077
Ion Ratio	Lower	Upper	
83	100		
131	10.2	5.0	14.9
85	63.9	31.9	95.5

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#76

1,2,3-Trichloropropane

Concen: 22.421 ug/l m

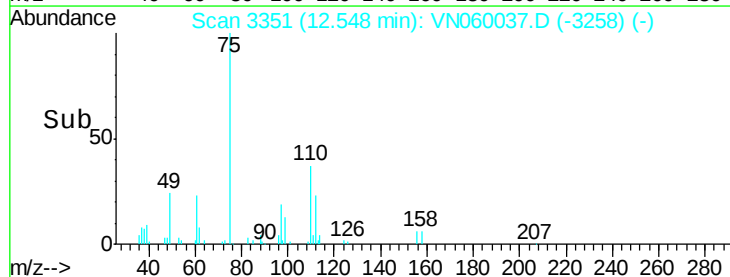
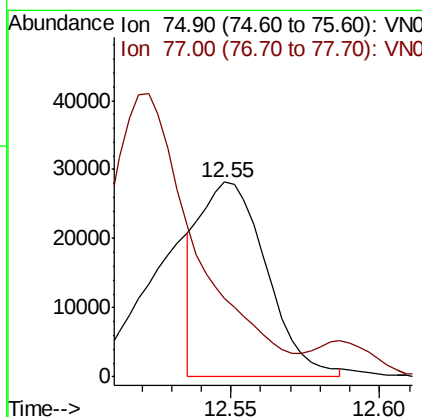
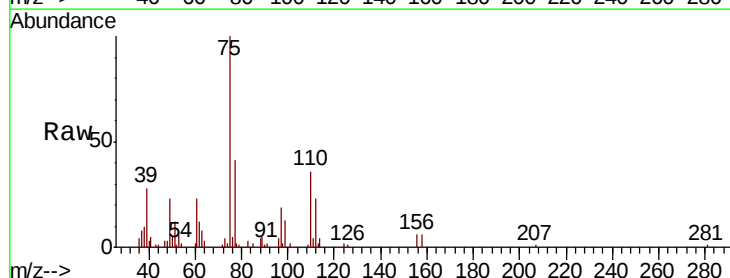
RT: 12.55 min Scan# 3351

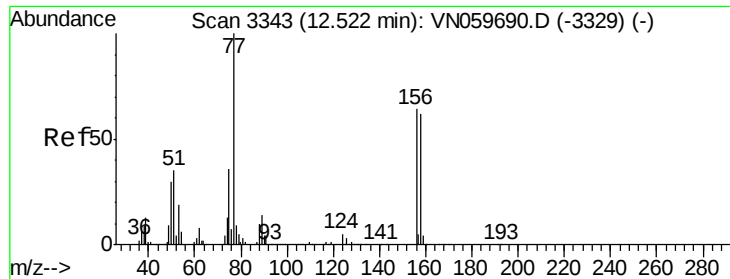
Delta R.T. 0.00 min

Lab File: VN060037.D

Acq: 10 Feb 2020 11:46

Tgt Ion:	75	Resp:	44657
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 19.240 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. 0.00 min

Lab File: VN060037.D

Acq: 10 Feb 2020 11:46

Instrument :

MSVOA_N

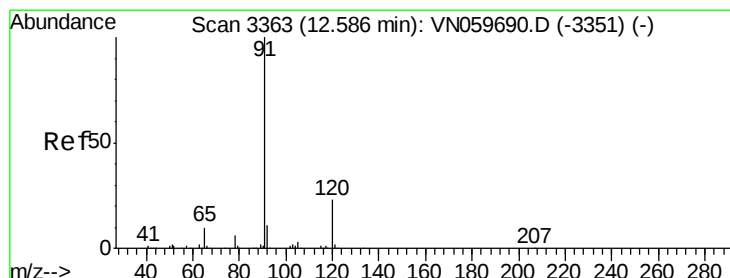
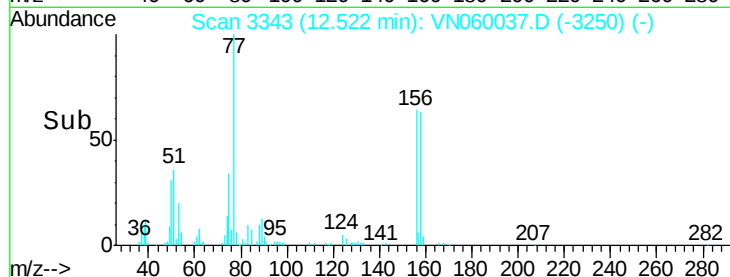
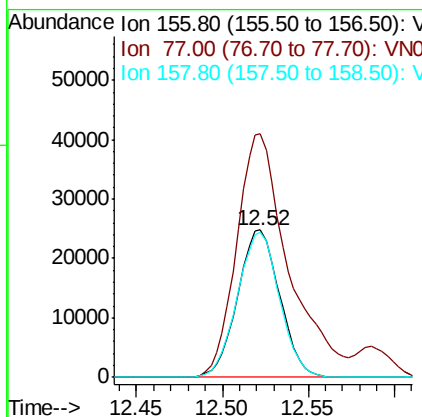
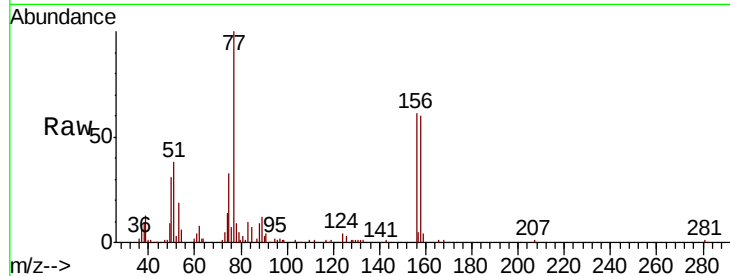
ClientSampleId :

VN0210WBSD01

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	203.3	115.8	347.4	
158	98.4	49.2	147.6	

Manual Integrations
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#78

n-propylbenzene

Concen: 19.475 ug/l

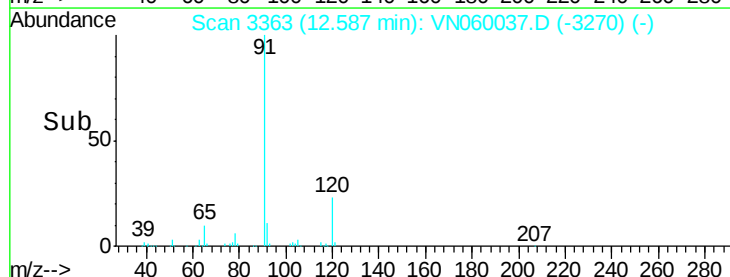
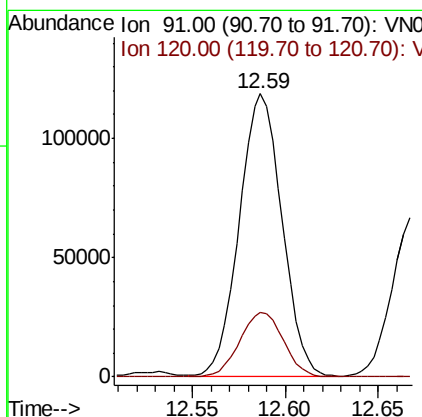
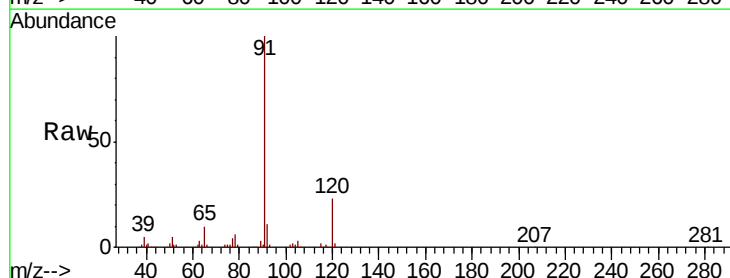
RT: 12.59 min Scan# 3363

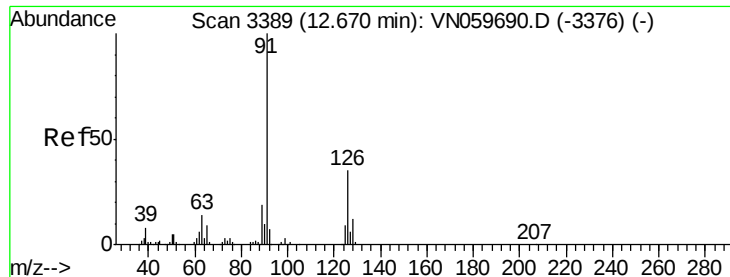
Delta R.T. 0.00 min

Lab File: VN060037.D

Acq: 10 Feb 2020 11:46

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	23.3	11.1	33.3	





#79

2-Chlorotoluene

Concen: 19.651 ug/l

RT: 12.67 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VN060037.D

Acq: 10 Feb 2020 11:46

Instrument :

MSVOA_N

ClientSampleId :

VN0210WBSD01

Tot Ion: 91 Resp: 113893

Ion Ratio Lower Upper

91 100

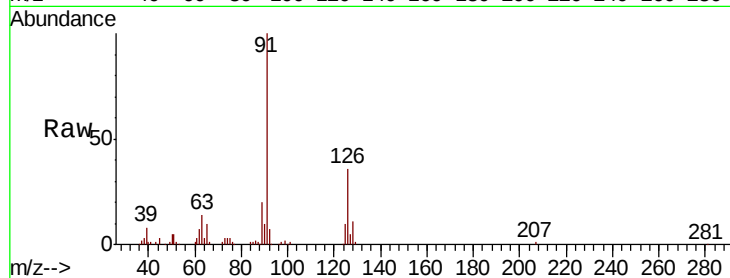
126 35.2 16.3 48.9

Manual Integrations

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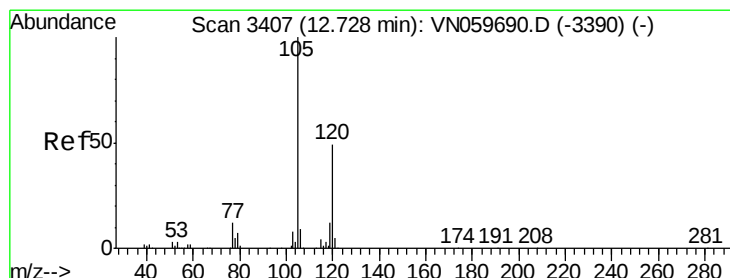
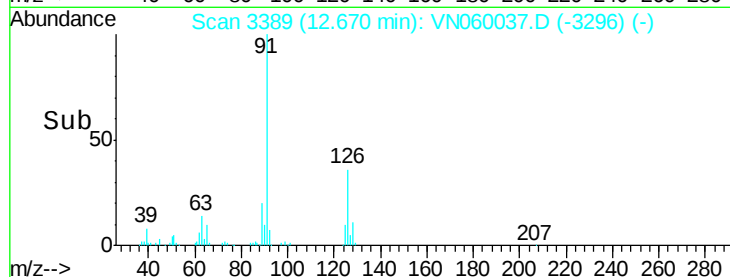
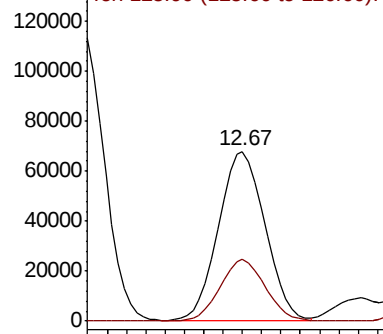
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Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 19.145 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. 0.00 min

Lab File: VN060037.D

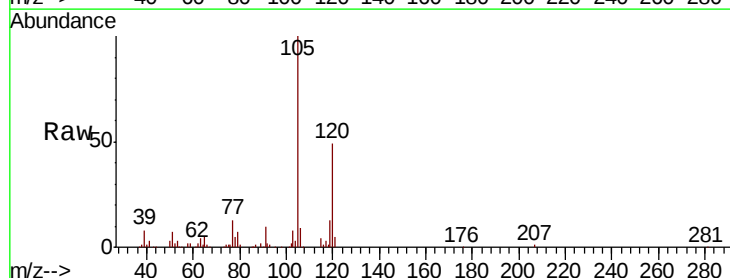
Acq: 10 Feb 2020 11:46

Tgt Ion: 105 Resp: 139757

Ion Ratio Lower Upper

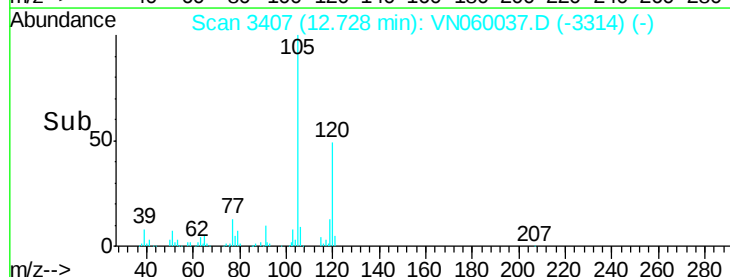
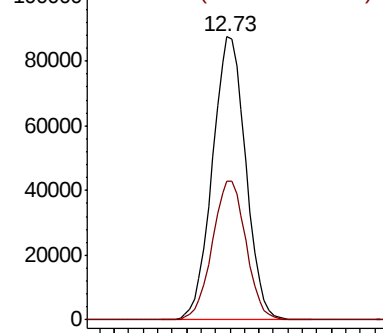
105 100

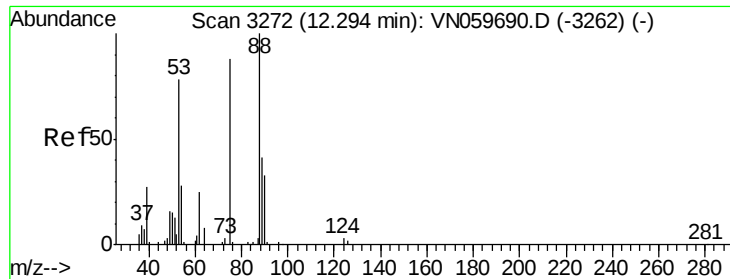
120 49.4 24.1 72.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





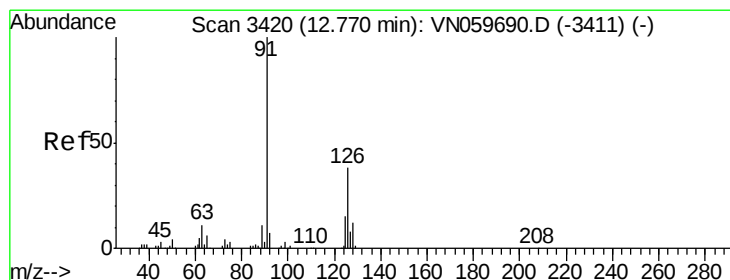
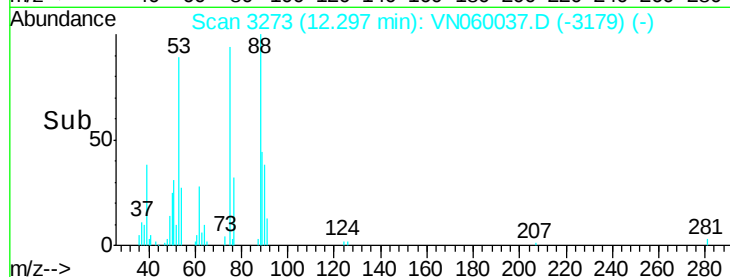
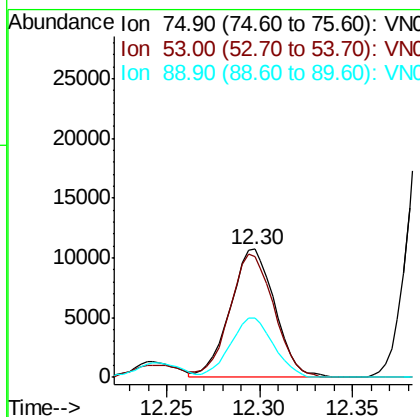
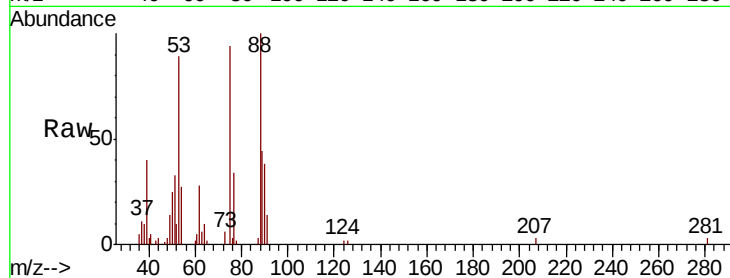
#81
trans-1,4-Dichloro-2-butene
Concen: 19.405 ug/l
RT: 12.30 min Scan# 3273
Delta R.T. 0.00 min
Lab File: VN060037.D
Acq: 10 Feb 2020 11:46

Instrument :
MSVOA_N
ClientSampleId :
VN0210WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
53	94.9	78.1	117.1
89	44.7	35.4	53.2

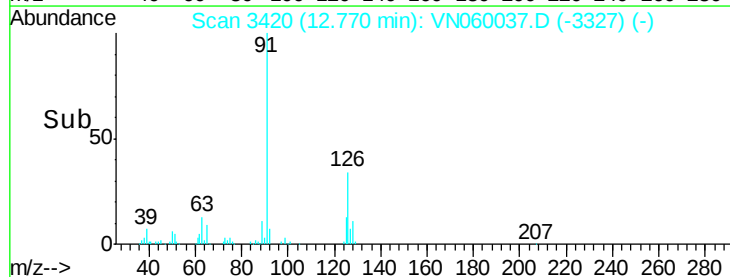
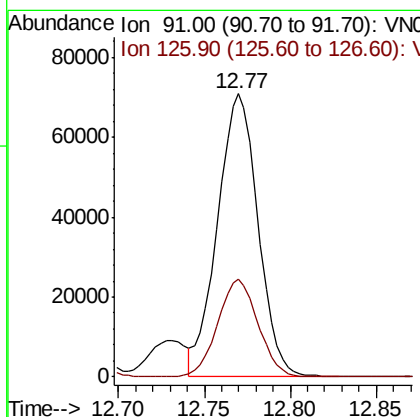
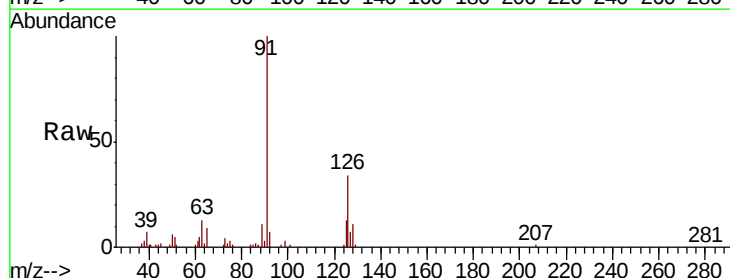
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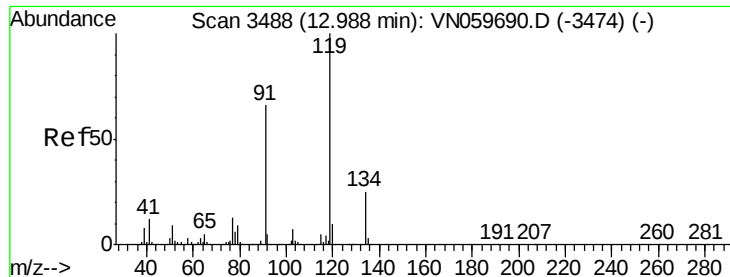
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#82
4-Chlorotoluene
Concen: 19.993 ug/l
RT: 12.77 min Scan# 3420
Delta R.T. 0.00 min
Lab File: VN060037.D
Acq: 10 Feb 2020 11:46

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.4	16.3	48.8





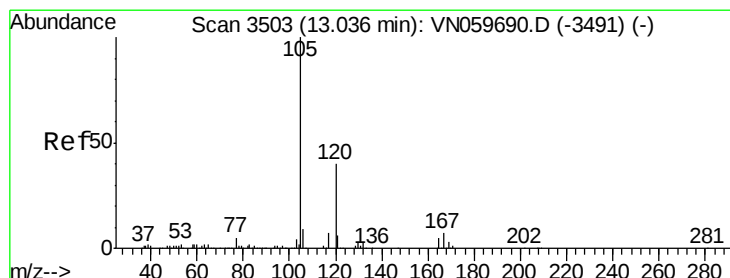
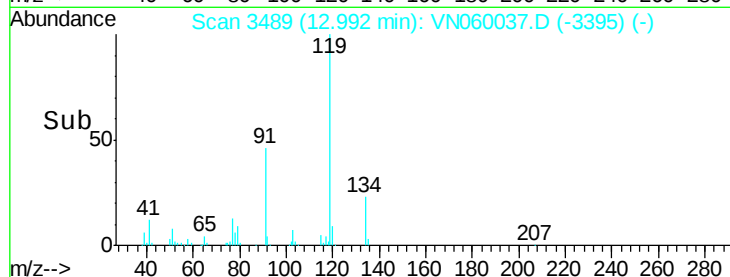
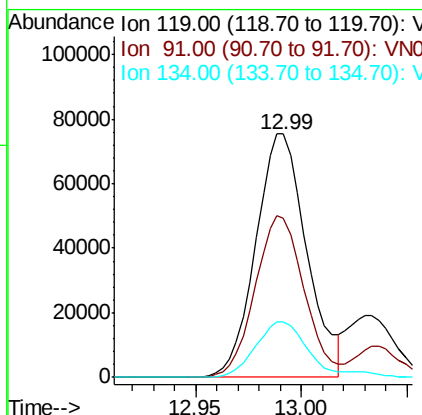
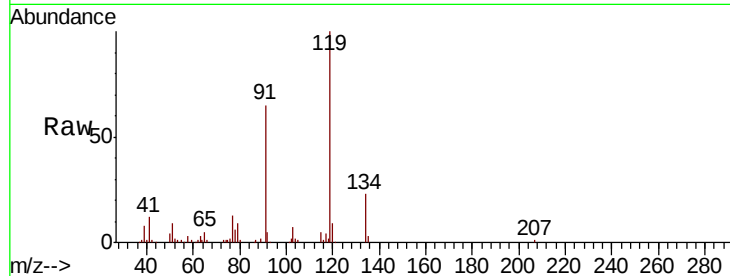
#83
tert-Butylbenzene
Concen: 20.075 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN060037.D
Acq: 10 Feb 2020 11:46

Instrument :
MSVOA_N
ClientSampleId :
VN0210WBSD01

Tot Ion	Ratio	Lower	Upper
119	100		
91	63.7	34.8	104.4
134	24.2	12.3	36.9

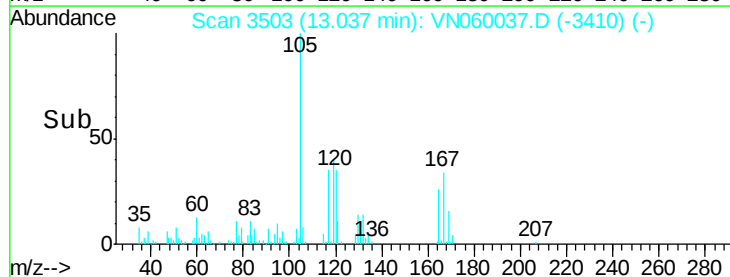
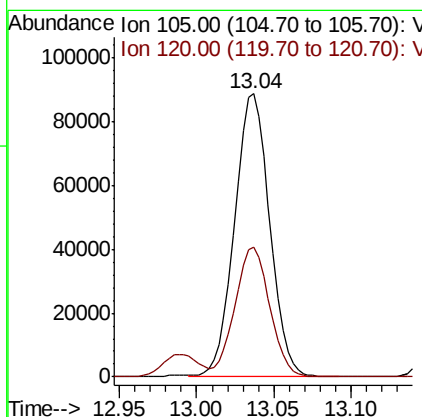
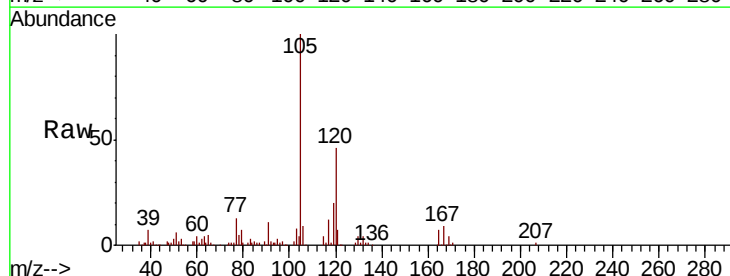
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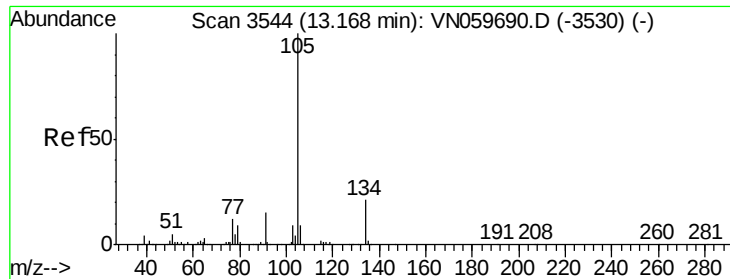
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 19.268 ug/l
RT: 13.04 min Scan# 3503
Delta R.T. 0.00 min
Lab File: VN060037.D
Acq: 10 Feb 2020 11:46

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.7	22.3	66.9





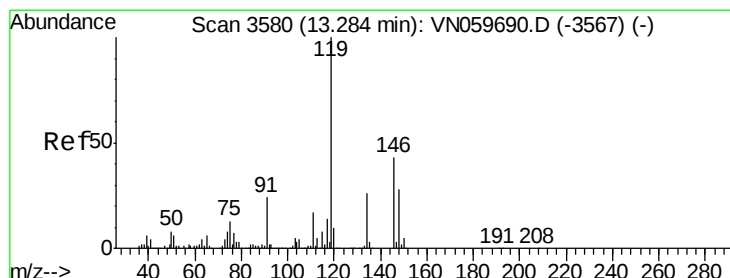
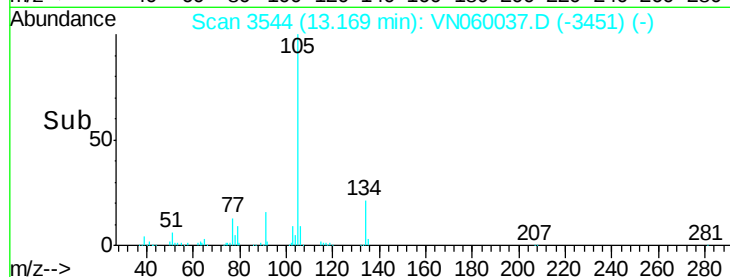
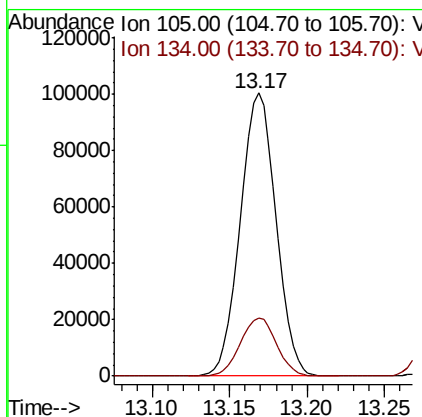
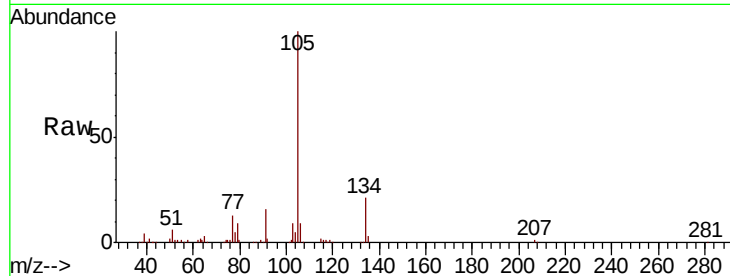
#85
 sec-Butylbenzene
 Concen: 19.472 ug/l
 RT: 13.17 min Scan# 3544
 Delta R.T. 0.00 min
 Lab File: VN060037.D
 Acq: 10 Feb 2020 11:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0210WBSD01

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.7	9.8	29.5

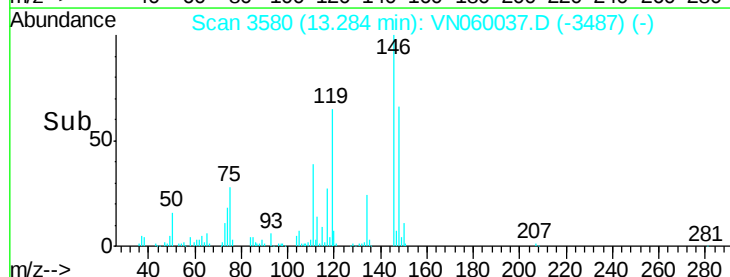
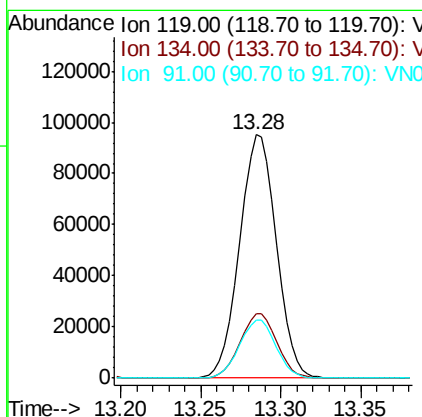
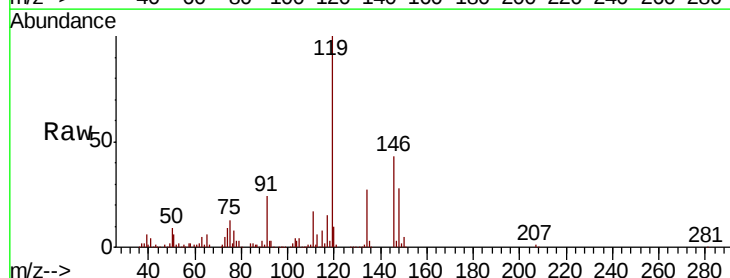
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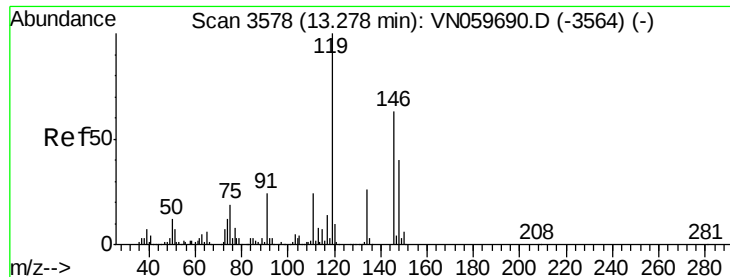
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#86
 p-Isopropyltoluene
 Concen: 19.454 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN060037.D
 Acq: 10 Feb 2020 11:46

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.3	12.9	38.7
91	23.8	12.4	37.4





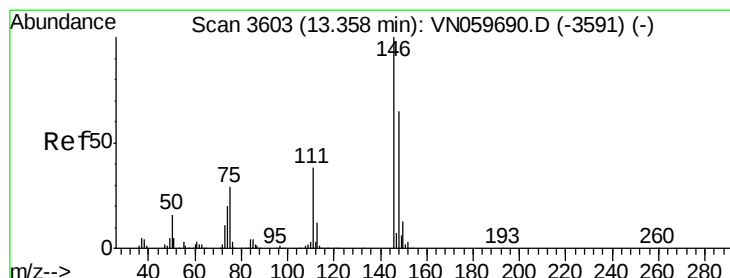
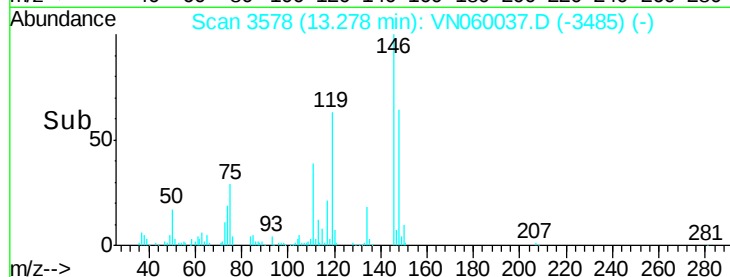
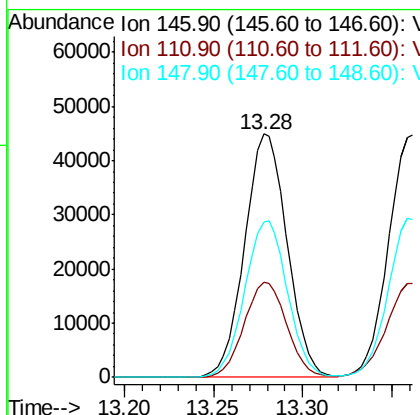
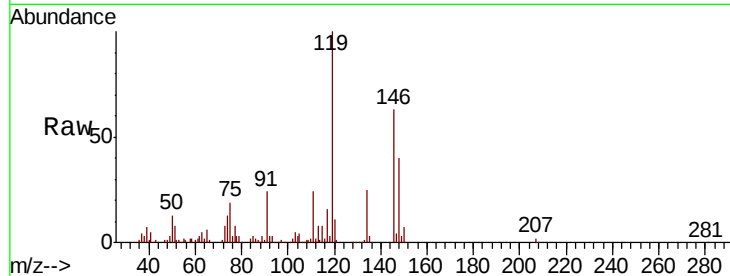
#87
 1,3-Dichlorobenzene
 Concen: 19.654 ug/l
 RT: 13.28 min Scan# 3578
 Delta R.T. 0.00 min
 Lab File: VN060037.D
 Acq: 10 Feb 2020 11:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0210WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.1	20.8	62.2
148	64.6	32.0	96.0

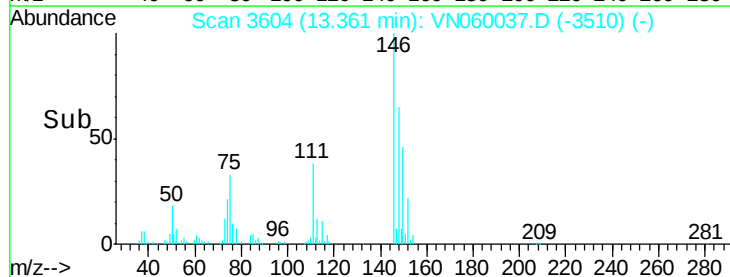
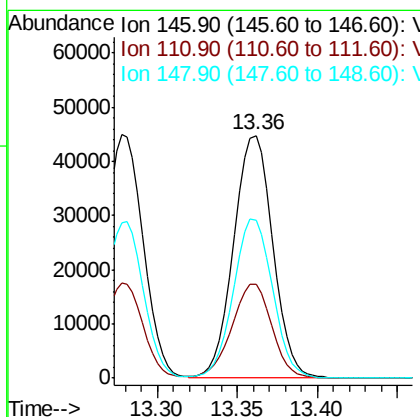
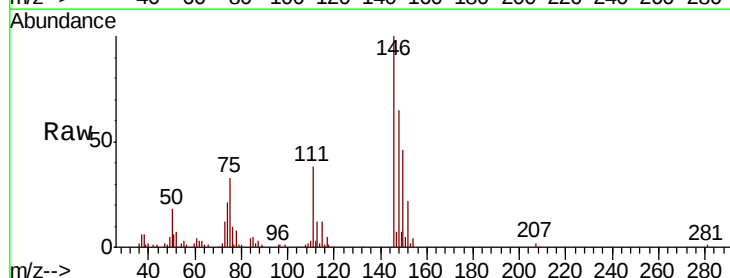
Manual Integrations
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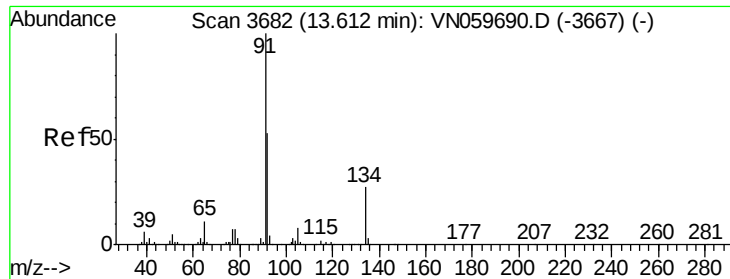
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#88
 1,4-Dichlorobenzene
 Concen: 19.631 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN060037.D
 Acq: 10 Feb 2020 11:46

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.8	20.8	62.2
148	65.5	31.8	95.4





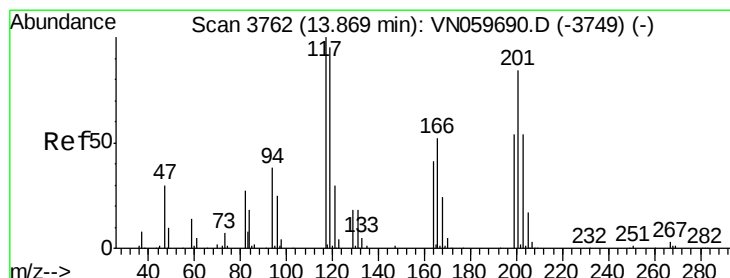
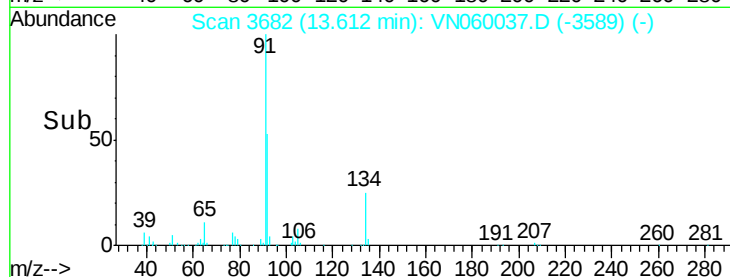
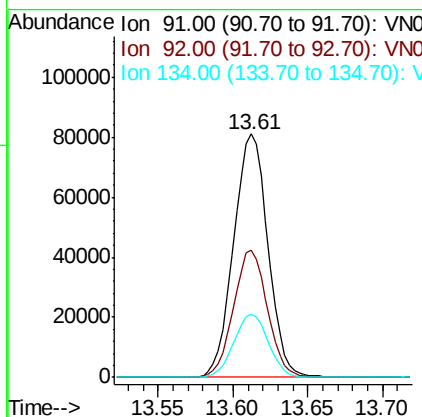
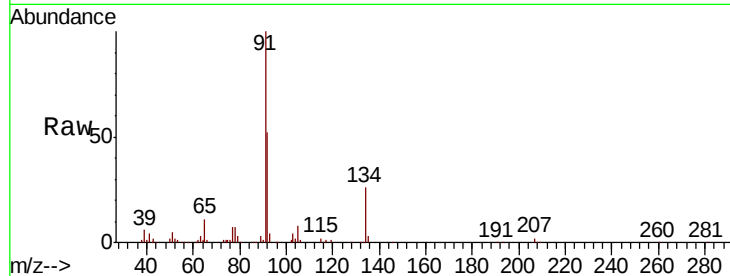
#89
n-Butylbenzene
Concen: 19.798 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN060037.D
Acq: 10 Feb 2020 11:46

Instrument :
MSVOA_N
ClientSampleId :
VN0210WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.3	25.9	77.7
134	26.1	12.3	36.8

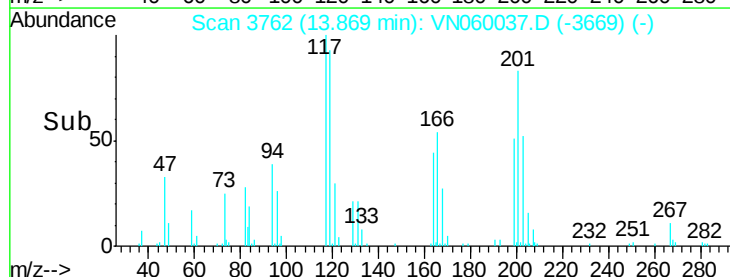
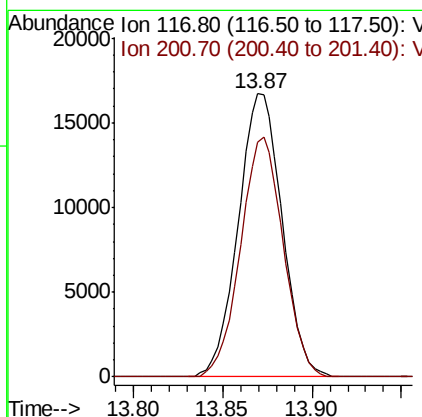
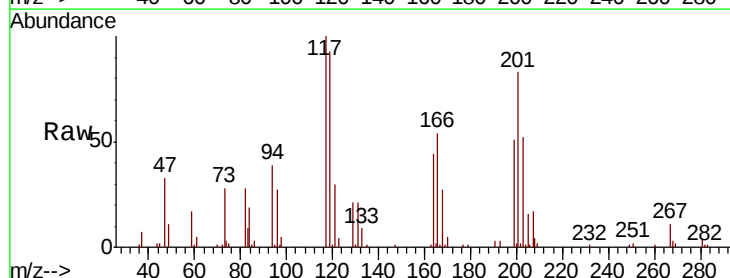
Manual Integrations
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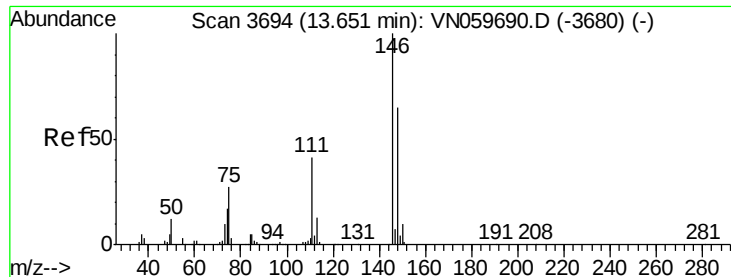
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#90
Hexachloroethane
Concen: 19.999 ug/l
RT: 13.87 min Scan# 3762
Delta R.T. 0.00 min
Lab File: VN060037.D
Acq: 10 Feb 2020 11:46

Tgt Ion	Ratio	Lower	Upper
117	100		
201	82.3	37.8	113.4





#91

1,2-Dichlorobenzene

Concen: 20.031 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. 0.00 min

Lab File: VN060037.D

Acq: 10 Feb 2020 11:46

Instrument :

MSVOA_N

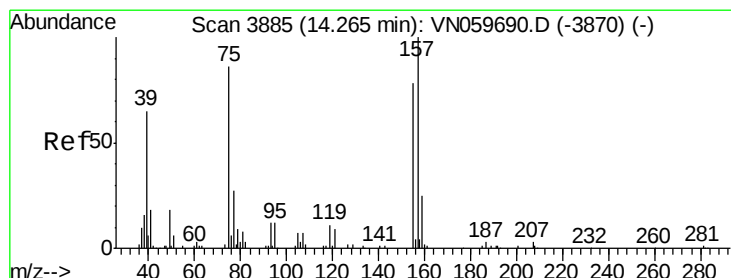
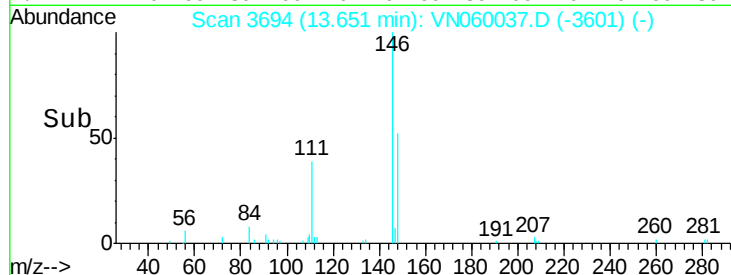
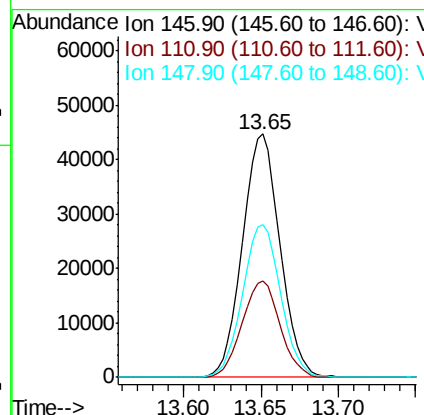
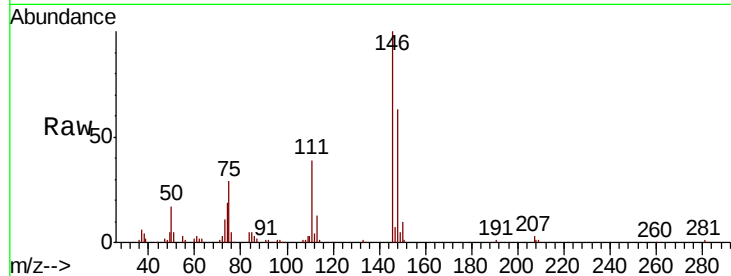
ClientSampleId :

VN0210WBSD01

Tot Ion:	146	Resp:	75613
Ion Ratio	Lower	Upper	
146	100		
111	39.8	21.6	64.8
148	63.4	31.6	95.0

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#92

1,2-Dibromo-3-Chloropropane

Concen: 19.600 ug/l

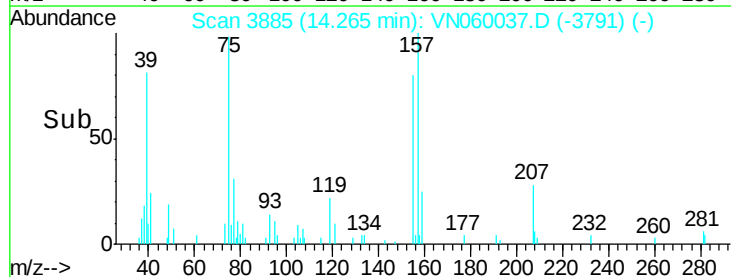
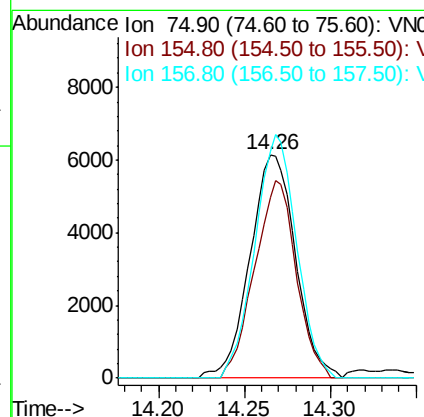
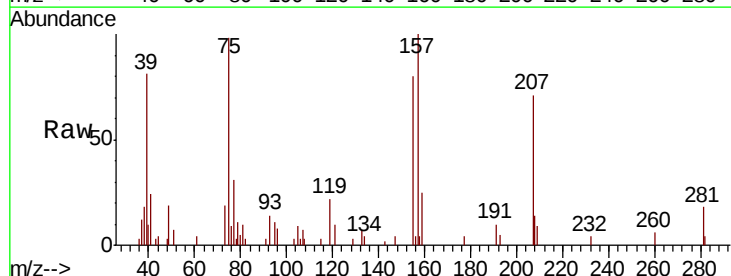
RT: 14.26 min Scan# 3885

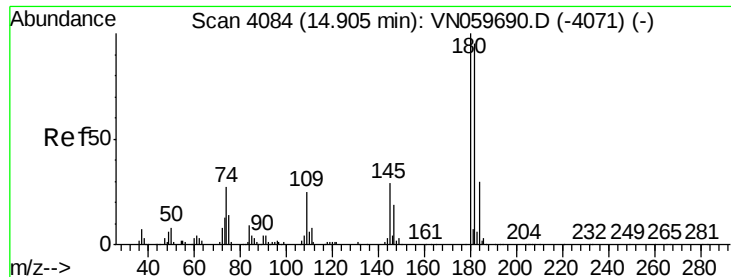
Delta R.T. 0.00 min

Lab File: VN060037.D

Acq: 10 Feb 2020 11:46

Tgt Ion:	75	Resp:	11272
Ion Ratio	Lower	Upper	
75	100		
155	80.4	37.0	110.9
157	99.8	48.4	145.2





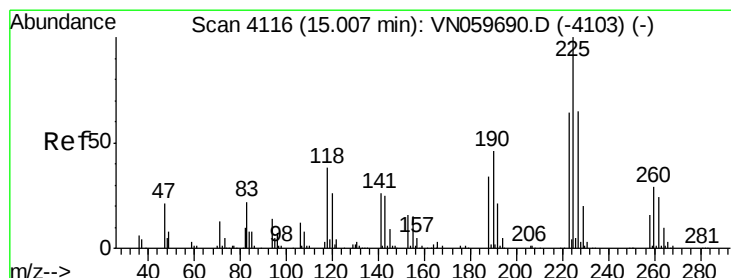
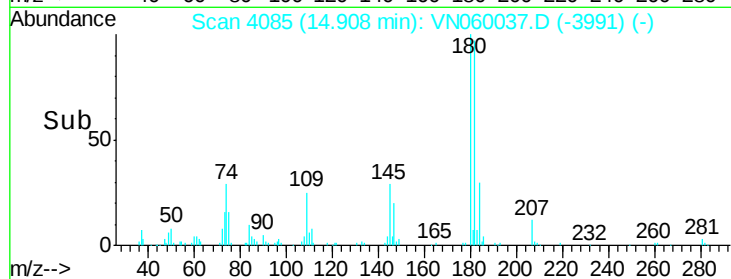
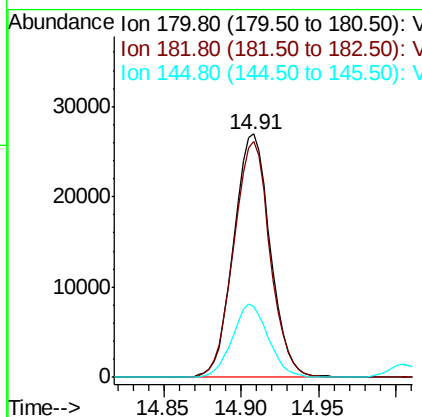
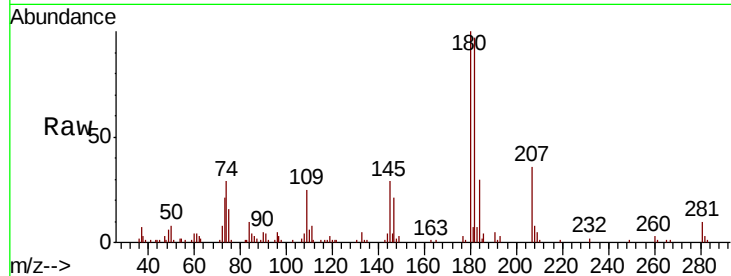
#93
 1,2,4-Trichlorobenzene
 Concen: 19.493 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN060037.D
 Acq: 10 Feb 2020 11:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0210WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	44213		
182	96.3	46.9	140.7	
145	29.5	15.0	45.1	

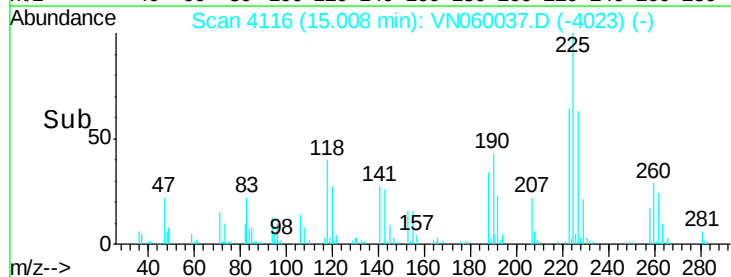
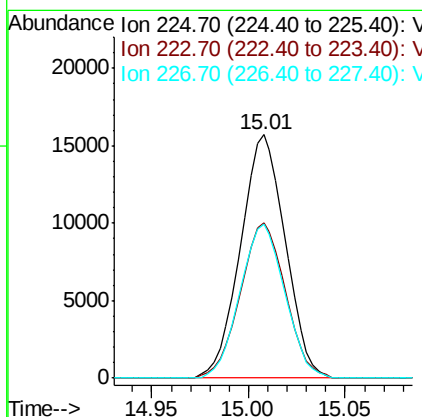
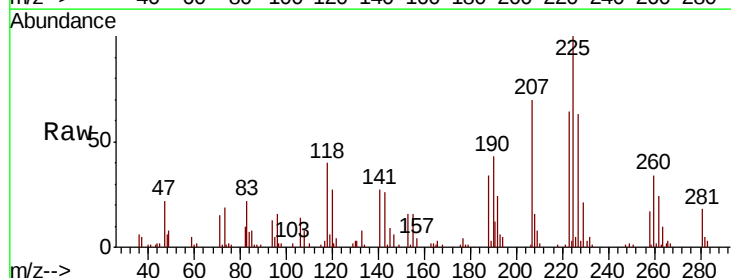
Manual Integrations
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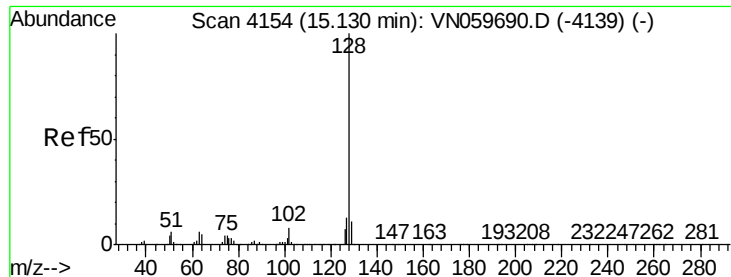
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 2/11/2020 11:04:07 AM



#94
 Hexachlorobutadiene
 Concen: 20.249 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN060037.D
 Acq: 10 Feb 2020 11:46

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	25309		
223	64.4	31.8	95.3	
227	63.4	32.1	96.5	





#95

Naphthalene

Concen: 19.065 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN060037.D

Acq: 10 Feb 2020 11:46

Instrument :

MSVOA_N

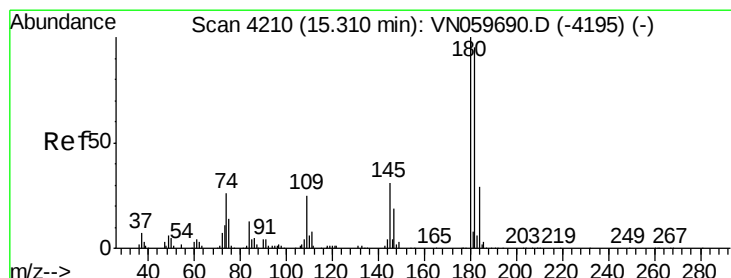
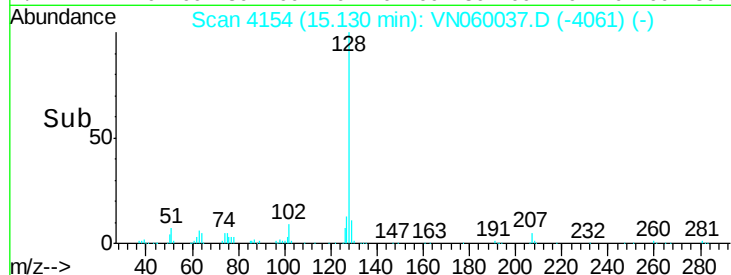
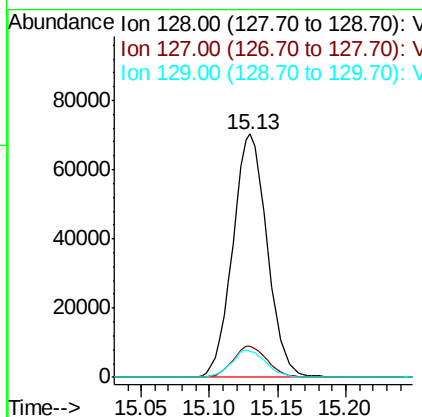
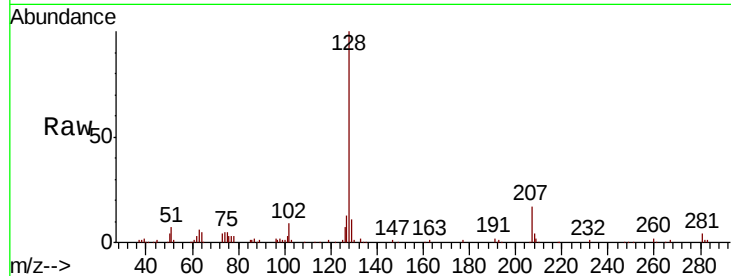
ClientSampleId :

VN0210WBSD01

Tot Ion:	128	Resp:	123001
Ion Ratio	Lower	Upper	
128	100		
127	12.7	10.4	15.6
129	11.1	8.6	12.8

Manual Integrations
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#96

1,2,3-Trichlorobenzene

Concen: 20.754 ug/l

RT: 15.31 min Scan# 4210

Delta R.T. 0.00 min

Lab File: VN060037.D

Acq: 10 Feb 2020 11:46

Tgt Ion:	180	Resp:	45821
Ion Ratio	Lower	Upper	
180	100		
182	94.1	47.4	142.3
145	32.0	16.3	48.9

