

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN021020\
 Data File : VN060036.D
 Acq On : 10 Feb 2020 11:11
 Operator : JC/MD
 Sample : VN0210WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0210WBS01

Manual Integrations
 APPROVED

MMDadoda
 2/11/2020 11:04:03 AM

Quant Time: Feb 11 07:23:11 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	174815	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	275651	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	251420	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	118975	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	103628	53.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.76%	
35) Dibromofluoromethane	7.56	113	86055	52.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.70%	
50) Toluene-d8	10.08	98	316130	49.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.28%	
62) 4-Bromofluorobenzene	12.40	95	113226	49.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.62%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.83	85	30590	14.470	ug/l 97
3) Chloromethane	2.04	50	30780	15.379	ug/l 99
4) Vinyl Chloride	2.17	62	40653	17.753	ug/l 98
5) Bromomethane	2.55	94	24334	17.413	ug/l 99
6) Chloroethane	2.69	64	19164	17.689	ug/l 97
7) Trichlorofluoromethane	3.00	101	49798	18.108	ug/l 99
8) Diethyl Ether	3.39	74	17994	18.644	ug/l 87
9) 1,1,2-Trichlorotrifluoroet	3.74	101	29477	19.258	ug/l 95
10) Methyl Iodide	3.93	142	36687	14.829	ug/l 96
11) Tert butyl alcohol	4.72	59	29607	90.592	ug/l 98
12) 1,1-Dichloroethene	3.72	96	26805	16.760	ug/l 91
13) Acrolein	3.58	56	18205	78.691	ug/l 96
14) Allyl chloride	4.29	41	43474	20.166	ug/l # 91
15) Acrylonitrile	4.95	53	71883	96.423	ug/l 99
16) Acetone	3.78	43	80846	116.762	ug/l 99
17) Carbon Disulfide	4.03	76	61763	13.556	ug/l 99
18) Methyl Acetate	4.29	43	45078	19.879	ug/l 93
19) Methyl tert-butyl Ether	5.00	73	102457	19.648	ug/l 97
20) Methylene Chloride	4.52	84	32285	17.541	ug/l 91
21) trans-1,2-Dichloroethene	5.01	96	29361	17.270	ug/l 87
22) Diisopropyl ether	5.91	45	97408	19.939	ug/l # 88
23) Vinyl Acetate	5.86	43	360908	95.416	ug/l 97
24) 1,1-Dichloroethane	5.82	63	57964	19.418	ug/l 99
25) 2-Butanone	6.80	43	103175	93.848	ug/l 93
26) 2,2-Dichloropropane	6.79	77	55221	19.242	ug/l 97
27) cis-1,2-Dichloroethene	6.80	96	37487	19.171	ug/l 91
28) Bromochloromethane	7.17	49	22913	19.205	ug/l # 79
29) Tetrahydrofuran	7.18	42	62899	92.470	ug/l 91
30) Chloroform	7.35	83	62429	20.185	ug/l 98
31) Cyclohexane	7.63	56	47838	16.654	ug/l # 87
32) 1,1,1-Trichloroethane	7.55	97	55511	19.411	ug/l 96
36) 1,1-Dichloropropene	7.77	75	42201	17.580	ug/l 96
37) Ethyl Acetate	6.90	43	42427	18.844	ug/l 98
38) Carbon Tetrachloride	7.75	117	48183	18.452	ug/l 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	50437	17.040	ug/l	93
40) Benzene	8.02	78	130104	18.173	ug/l	100
41) Methacrylonitrile	7.14	41	17918m	16.158	ug/l	
42) 1,2-Dichloroethane	8.10	62	47910	19.738	ug/l	96
43) Isopropyl Acetate	8.14	43	70706	18.258	ug/l #	96
44) Trichloroethene	8.82	130	37319	19.095	ug/l	94
45) 1,2-Dichloropropane	9.10	63	34864	19.680	ug/l	98
46) Dibromomethane	9.19	93	23523	18.824	ug/l	94
47) Bromodichloromethane	9.39	83	50391	20.010	ug/l	99
48) Methyl methacrylate	9.18	41	29983	17.309	ug/l	90
49) 1,4-Dioxane	9.18	88	11943	376.631	ug/l	92
51) 4-Methyl-2-Pentanone	9.97	43	209528	93.598	ug/l	97
52) Toluene	10.14	92	84277	18.637	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	54726	19.463	ug/l	99
54) cis-1,3-Dichloropropene	9.82	75	57626	19.478	ug/l	96
55) 1,1,2-Trichloroethane	10.55	97	34823	19.444	ug/l	97
56) Ethyl methacrylate	10.42	69	47455	17.341	ug/l	95
57) 1,3-Dichloropropane	10.70	76	56275	19.792	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	84474	102.483	ug/l	93
59) 2-Hexanone	10.74	43	151706	91.988	ug/l	96
60) Dibromochloromethane	10.89	129	39807	19.518	ug/l	99
61) 1,2-Dibromoethane	11.00	107	35377	18.846	ug/l	98
64) Tetrachloroethene	10.62	164	37416	18.260	ug/l	96
65) Chlorobenzene	11.43	112	93222	18.864	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.50	131	36958	19.355	ug/l	98
67) Ethyl Benzene	11.50	91	165720	18.473	ug/l	99
68) m/p-Xylenes	11.62	106	123415	36.420	ug/l	94
69) o-Xylene	11.94	106	61402	18.508	ug/l	93
70) Styrene	11.96	104	96289	17.345	ug/l	98
71) Bromoform	12.12	173	28436	18.591	ug/l #	99
73) Isopropylbenzene	12.25	105	163695	18.760	ug/l	100
74) N-amyl acetate	12.07	43	58831	17.376	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.50	83	47897	18.935	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	45673m	22.811	ug/l	
77) Bromobenzene	12.52	156	40902	18.511	ug/l	84
78) n-propylbenzene	12.59	91	184914	18.881	ug/l	99
79) 2-Chlorotoluene	12.67	91	110049	18.889	ug/l	97
80) 1,3,5-Trimethylbenzene	12.73	105	137486	18.736	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.29	75	16614	17.819	ug/l	96
82) 4-Chlorotoluene	12.77	91	112337	19.223	ug/l	98
83) tert-Butylbenzene	12.99	119	122648	19.325	ug/l	95
84) 1,2,4-Trimethylbenzene	13.04	105	135789	18.704	ug/l	98
85) sec-Butylbenzene	13.17	105	159665	19.148	ug/l	99
86) p-Isopropyltoluene	13.28	119	145258	18.827	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	73019	19.024	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	70827	18.497	ug/l	98
89) n-Butylbenzene	13.61	91	124015	18.851	ug/l	98
90) Hexachloroethane	13.87	117	27335	18.936	ug/l	91
91) 1,2-Dichlorobenzene	13.65	146	71232	18.772	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	10396	17.803	ug/l	94

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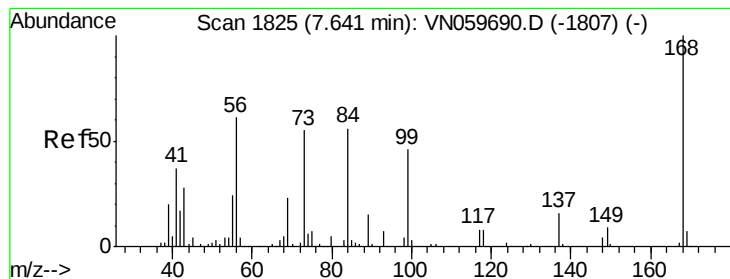
Manual Integrations
APPROVED

MMDadoda
2/11/2020 11:04:03 AM

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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	41193	18.066	ug/l	99
94) Hexachlorobutadiene	15.01	225	23947	19.059	ug/l	98
95) Naphthalene	15.13	128	108416	16.717	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	40474	18.237	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: VN060036.D

Acq: 10 Feb 2020 11:11

Instrument :

MSVOA_N

ClientSampleId :

VN0210WBS01

Tot Ion:168 Resp: 174815

Ion Ratio Lower Upper

168 100

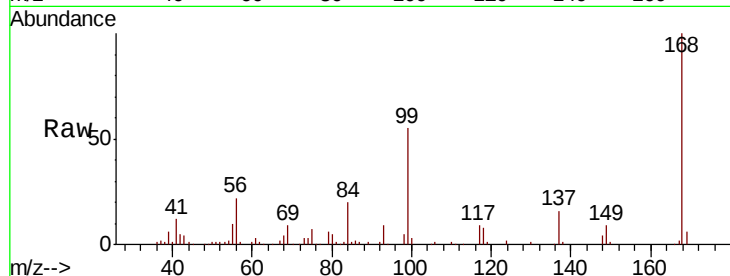
99 54.6 48.2 72.4

Manual Integrations

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2/11/2020 11:04:03 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.64

80000

60000

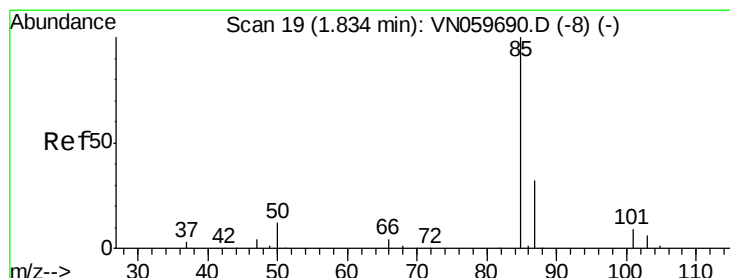
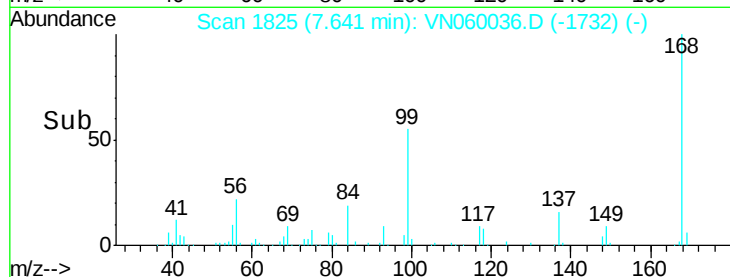
40000

20000

0

7.55 7.60 7.65 7.70 7.75

Time-->



#2

Dichlorodifluoromethane

Concen: 14.470 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN060036.D

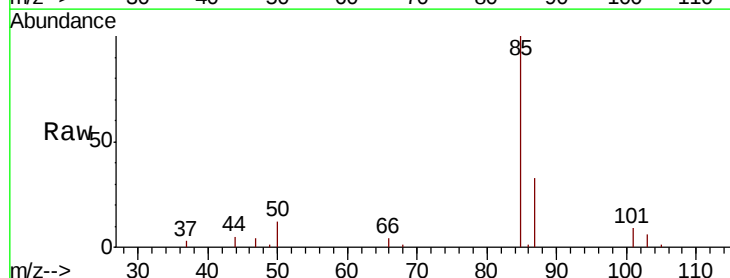
Acq: 10 Feb 2020 11:11

Tgt Ion: 85 Resp: 30590

Ion Ratio Lower Upper

85 100

87 33.3 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

25000

20000

15000

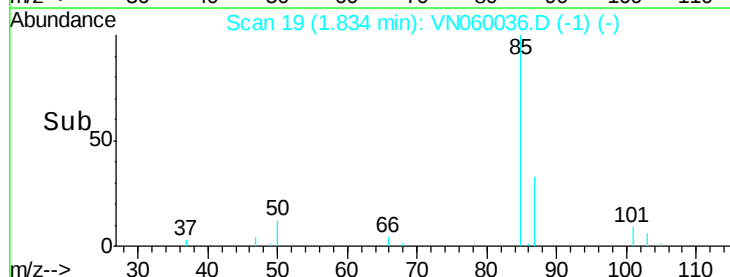
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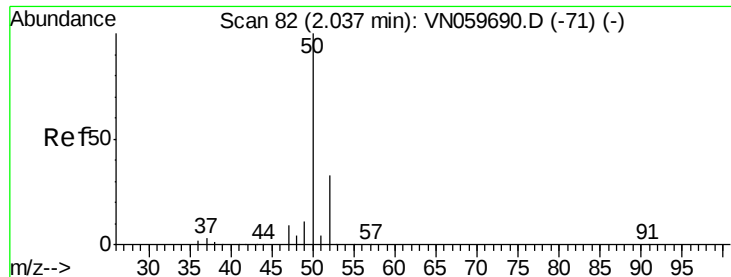
5000

0

1.80 1.85 1.90

Time-->





#3

Chloromethane

Concen: 15.379 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN060036.D

Acq: 10 Feb 2020 11:11

Instrument :

MSVOA_N

ClientSampled :

VN0210WBS01

Tot Ion: 50 Resp: 30780

Ion Ratio Lower Upper

50 100

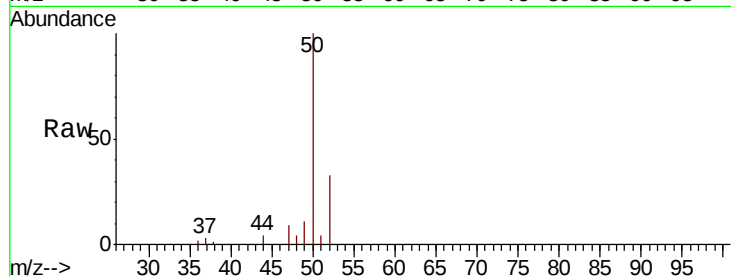
52 32.7 25.9 38.9

Manual Integrations

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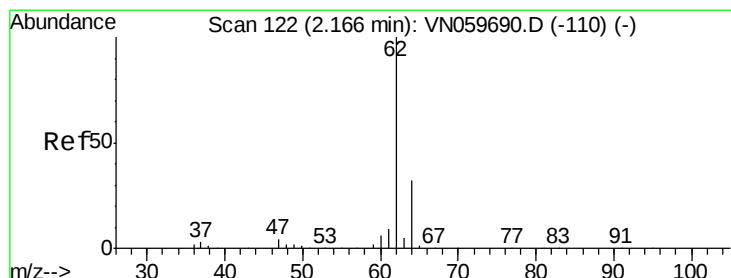
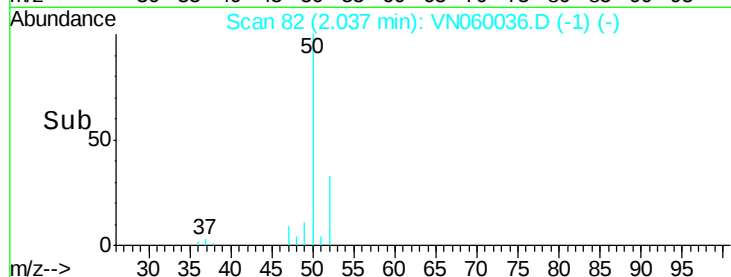
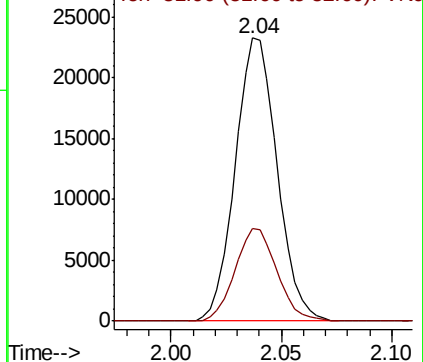
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Abundance Ion 49.90 (49.60 to 50.60): VNC

Ion 51.90 (51.60 to 52.60): VNC



#4

Vinyl Chloride

Concen: 17.753 ug/l

RT: 2.17 min Scan# 122

Delta R.T. 0.00 min

Lab File: VN060036.D

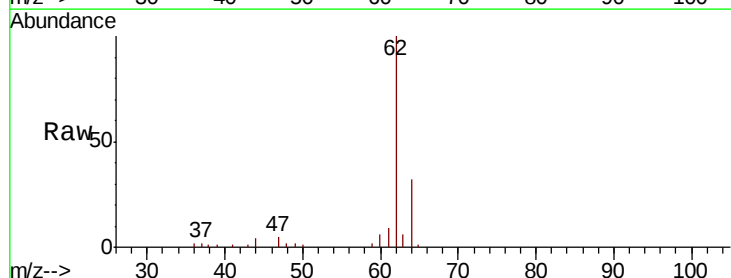
Acq: 10 Feb 2020 11:11

Tgt Ion: 62 Resp: 40653

Ion Ratio Lower Upper

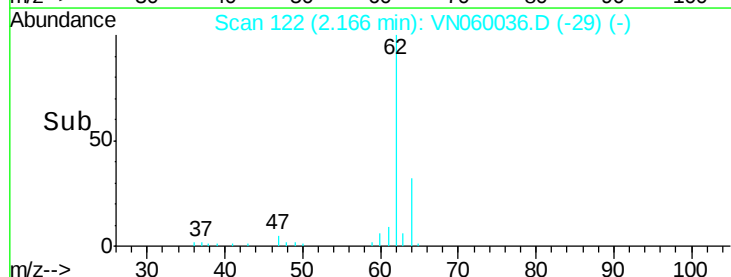
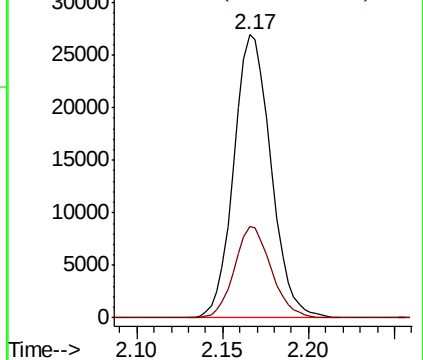
62 100

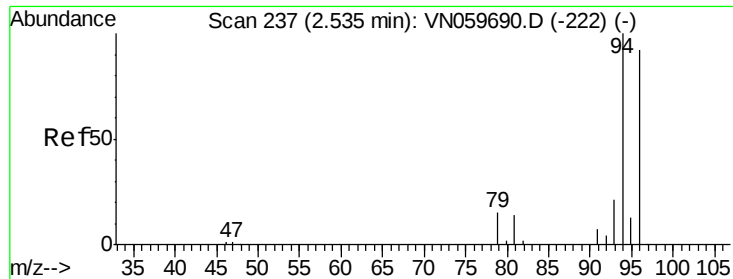
64 32.2 24.6 37.0



Abundance Ion 61.90 (61.60 to 62.60): VNC

Ion 63.90 (63.60 to 64.60): VNC





#5

Bromomethane

Concen: 17.413 ug/l

RT: 2.55 min Scan# 241

Delta R.T. 0.01 min

Lab File: VN060036.D

Acq: 10 Feb 2020 11:11

Instrument :

MSVOA_N

ClientSampled :

VN0210WBS01

Tot Ion: 94 Resp: 24334

Ion Ratio Lower Upper

94 100

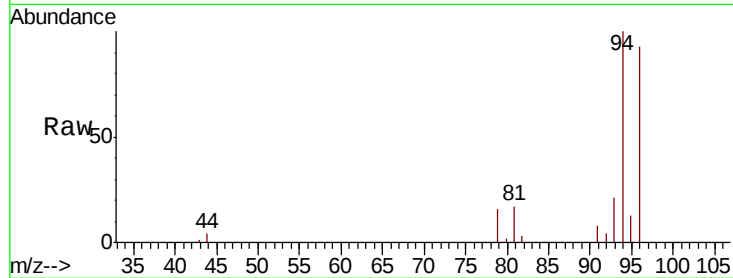
96 92.7 74.7 112.1

Manual Integrations

APPROVED

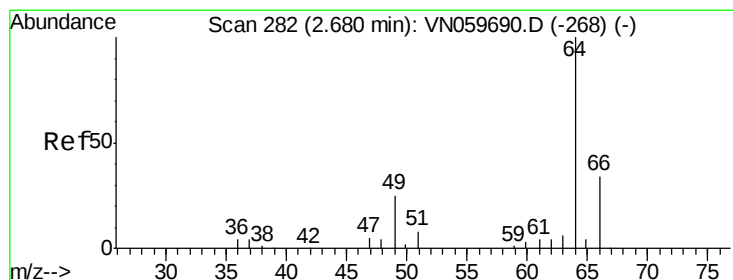
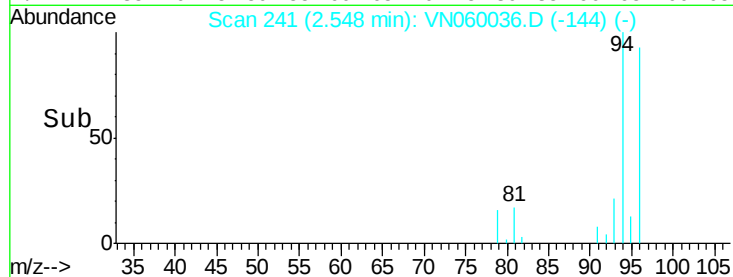
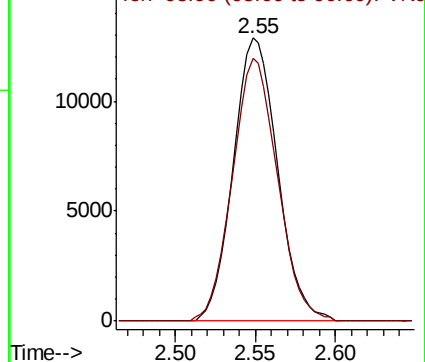
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2/11/2020 11:04:03 AM



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 17.689 ug/l

RT: 2.69 min Scan# 284

Delta R.T. 0.01 min

Lab File: VN060036.D

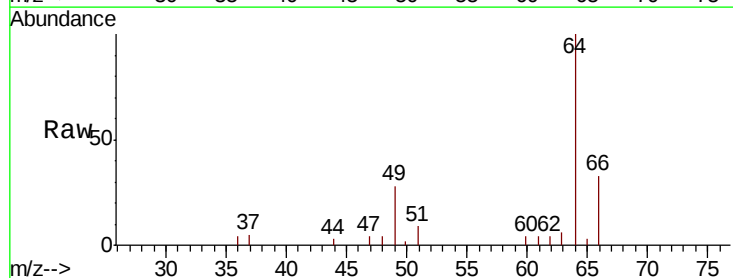
Acq: 10 Feb 2020 11:11

Tgt Ion: 64 Resp: 19164

Ion Ratio Lower Upper

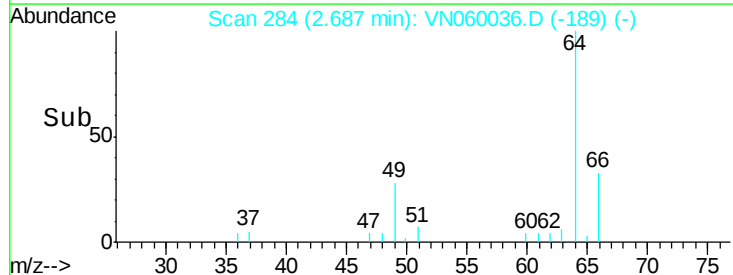
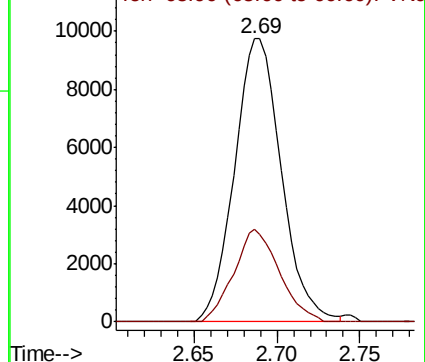
64 100

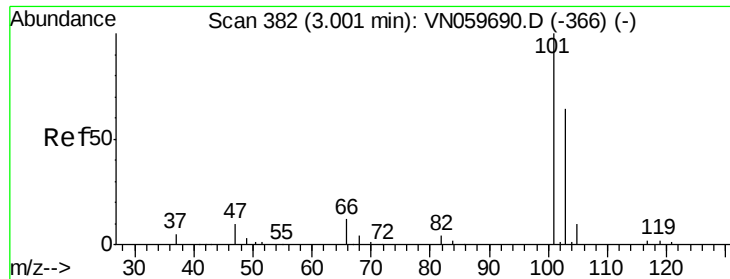
66 32.9 25.1 37.7



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

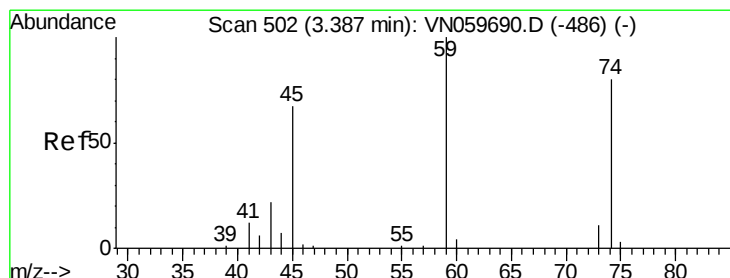
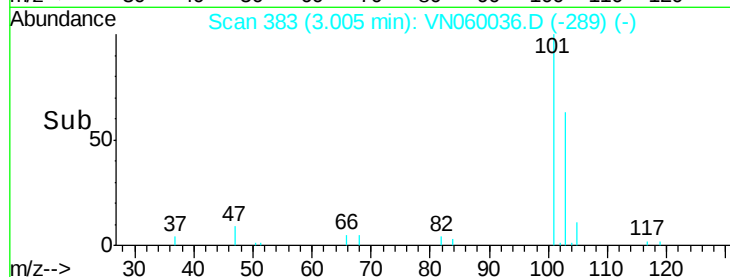
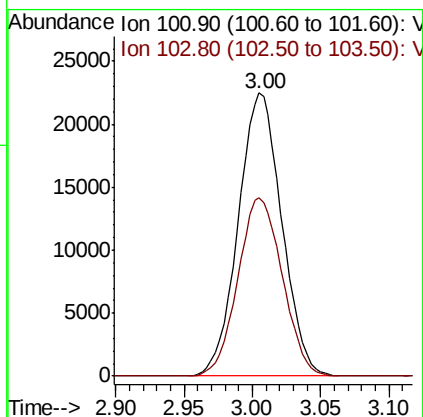
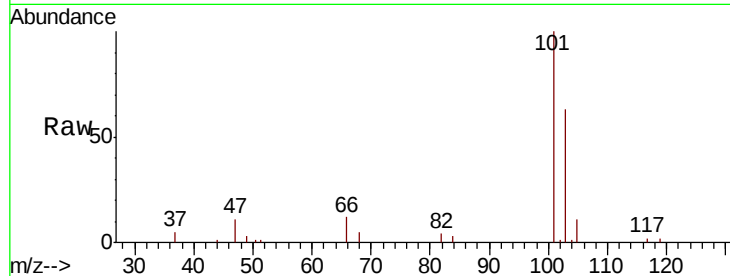
Trichlorofluoromethane
Concen: 18.108 ug/l
RT: 3.00 min Scan# 383
Delta R.T. 0.00 min
Lab File: VN060036.D
Acq: 10 Feb 2020 11:11

Instrument :
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VN0210WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		49798		
103	63.2	51.0	76.6		

Manual Integrations
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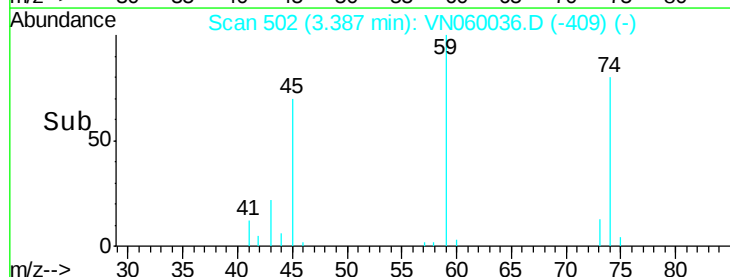
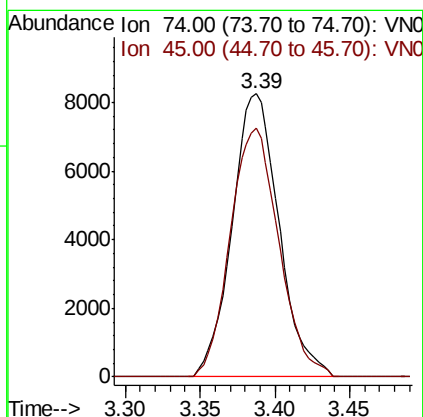
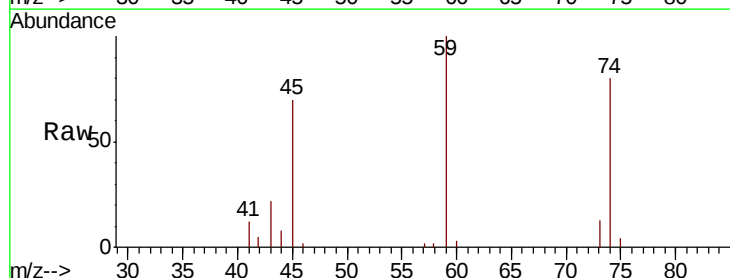
MMDadoda
2/11/2020 11:04:03 AM

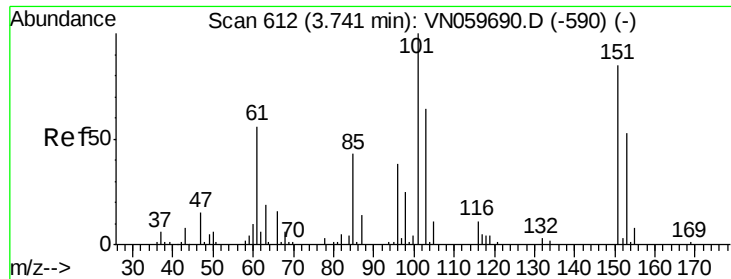


#8

Diethyl Ether
Concen: 18.644 ug/l
RT: 3.39 min Scan# 502
Delta R.T. 0.00 min
Lab File: VN060036.D
Acq: 10 Feb 2020 11:11

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		17994		
45	91.0	51.9	155.8		





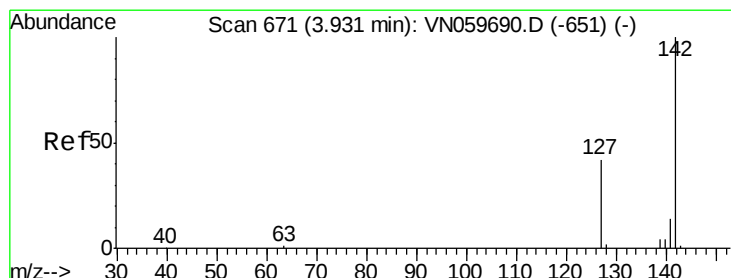
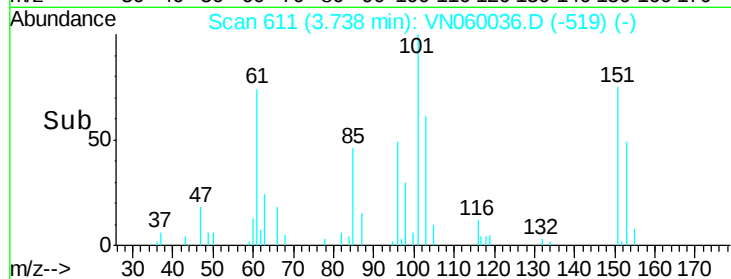
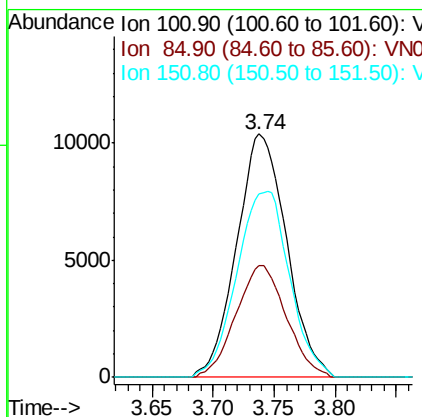
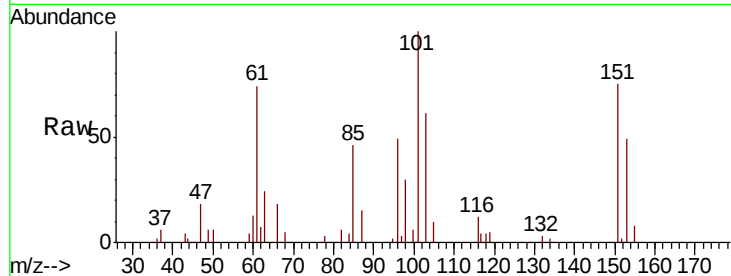
#9
1,1,2-Trichlorotrifluoroethane
Concen: 19.258 ug/l
RT: 3.74 min Scan# 611
Delta R.T. -0.00 min
Lab File: VN060036.D
Acq: 10 Feb 2020 11:11

Instrument :
MSVOA_N
ClientSampled :
VN0210WBS01

Tot Ion	Ratio	Lower	Upper
101	100		
85	46.2	36.6	54.8
151	80.8	59.7	89.5

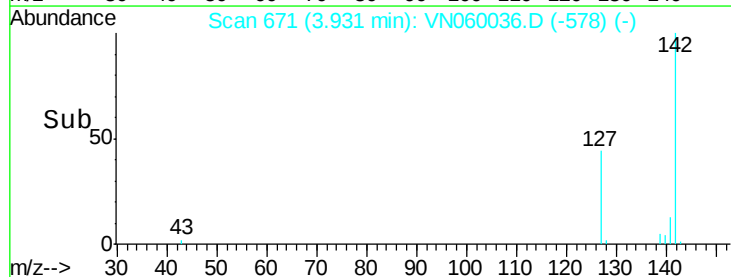
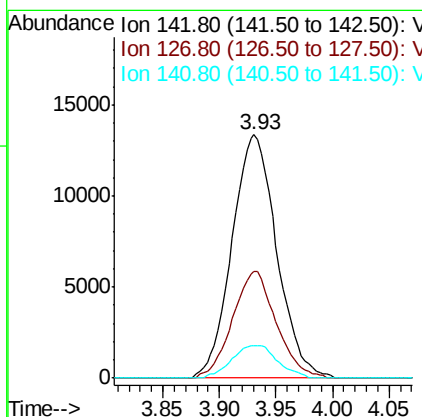
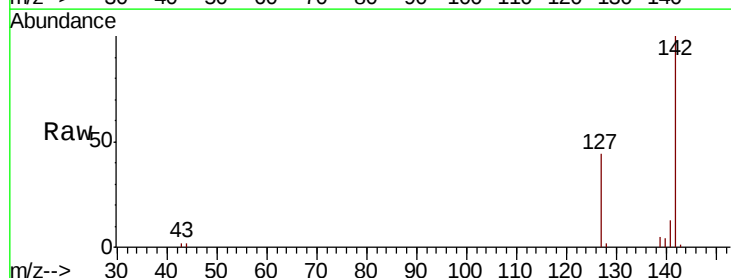
Manual Integrations
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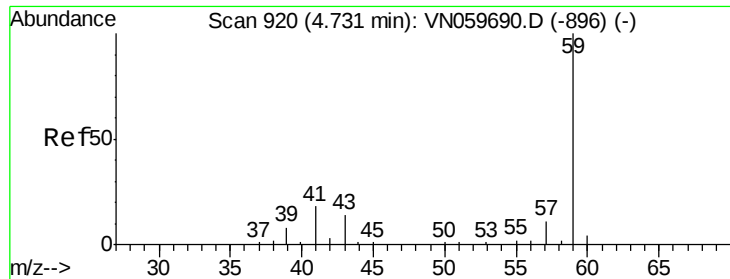
MMDadoda
2/11/2020 11:04:03 AM



#10
Methyl Iodide
Concen: 14.829 ug/l
RT: 3.93 min Scan# 671
Delta R.T. 0.00 min
Lab File: VN060036.D
Acq: 10 Feb 2020 11:11

Tgt Ion	Ratio	Lower	Upper
142	100		
127	42.8	36.7	55.1
141	13.7	11.7	17.5





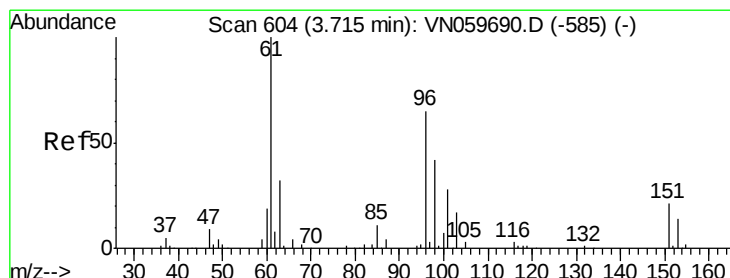
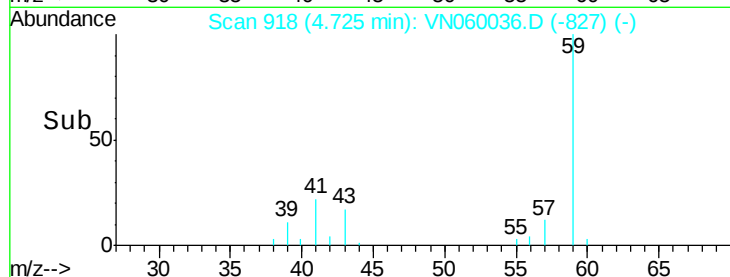
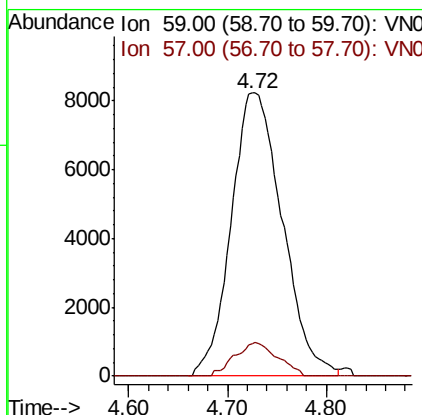
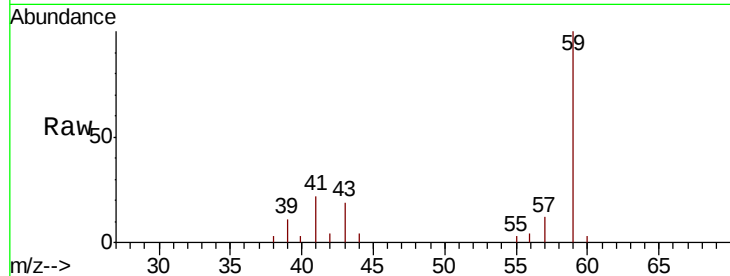
#11
Tert butyl alcohol
Concen: 90.592 ug/l
RT: 4.72 min Scan# 918
Delta R.T. -0.01 min
Lab File: VN060036.D
Acq: 10 Feb 2020 11:11

Instrument :
MSVOA_N
ClientSampleId :
VN0210WBS01

Tot Ion: 59 Resp: 29607
Ion Ratio Lower Upper
59 100
57 10.0 8.6 12.8

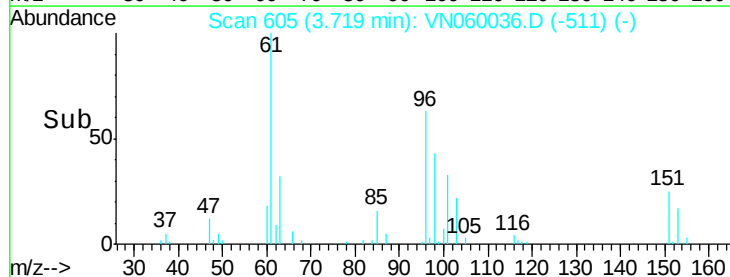
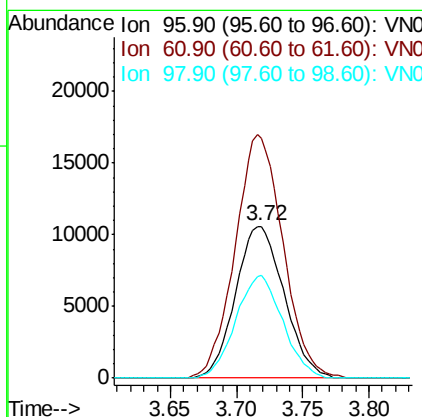
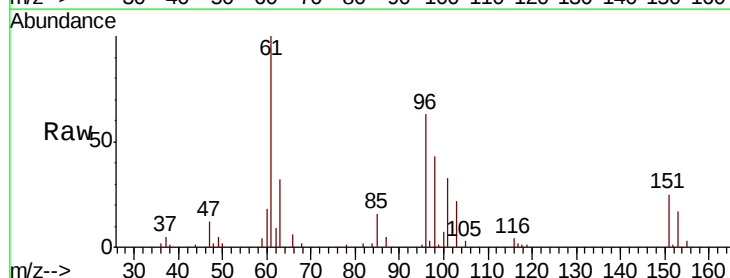
Manual Integrations
APPROVED

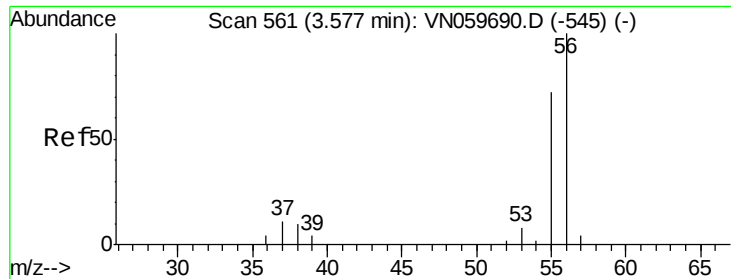
MMDadoda
2/11/2020 11:04:03 AM



#12
1,1-Dichloroethene
Concen: 16.760 ug/l
RT: 3.72 min Scan# 605
Delta R.T. 0.00 min
Lab File: VN060036.D
Acq: 10 Feb 2020 11:11

Tgt Ion: 96 Resp: 26805
Ion Ratio Lower Upper
96 100
61 157.8 137.5 206.3
98 68.2 50.2 75.4





#13

Acrolein

Concen: 78.691 ug/l

RT: 3.58 min Scan# 562

Delta R.T. 0.00 min

Lab File: VN060036.D

Acq: 10 Feb 2020 11:11

Instrument :

MSVOA_N

ClientSampled :

VN0210WBS01

Tot Ion: 56 Resp: 18205

Ion Ratio Lower Upper

56 100

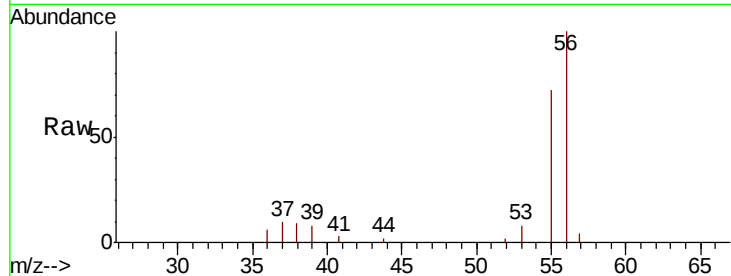
55 69.7 58.6 88.0

Manual Integrations

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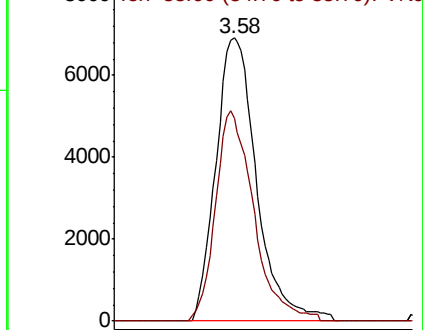
MMDadoda

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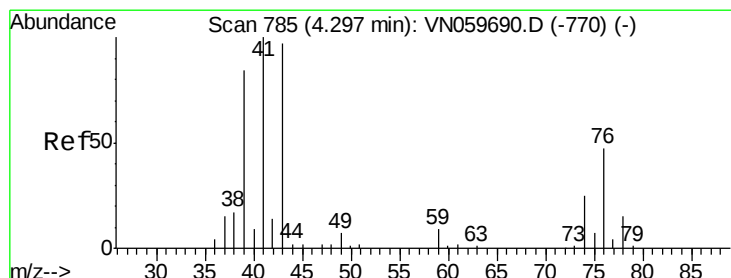
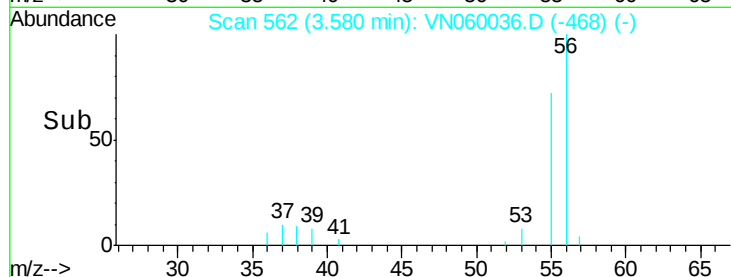


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



Time-->



#14

Allyl chloride

Concen: 20.166 ug/l

RT: 4.29 min Scan# 784

Delta R.T. -0.00 min

Lab File: VN060036.D

Acq: 10 Feb 2020 11:11

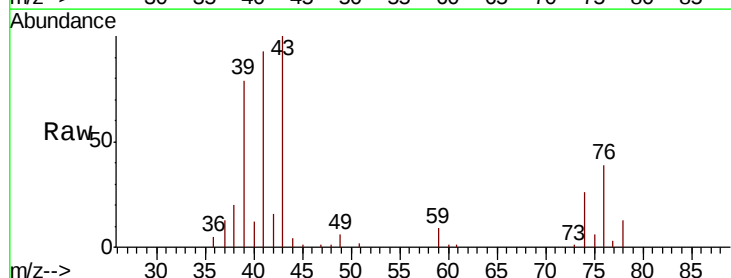
Tgt Ion: 41 Resp: 43474

Ion Ratio Lower Upper

41 100

39 78.6 57.8 86.8

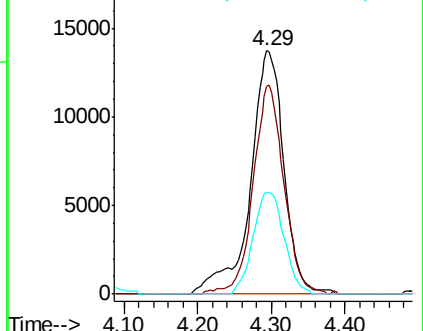
76 38.6 25.4 38.0#



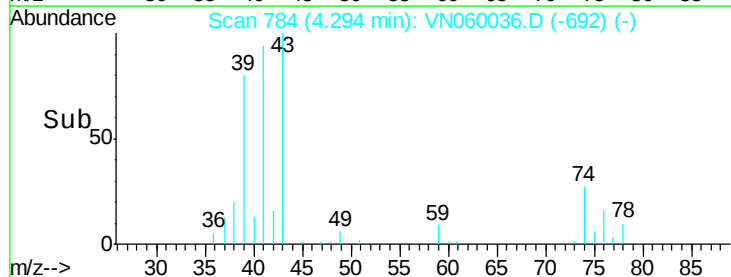
Abundance Ion 41.00 (40.70 to 41.70): VN0

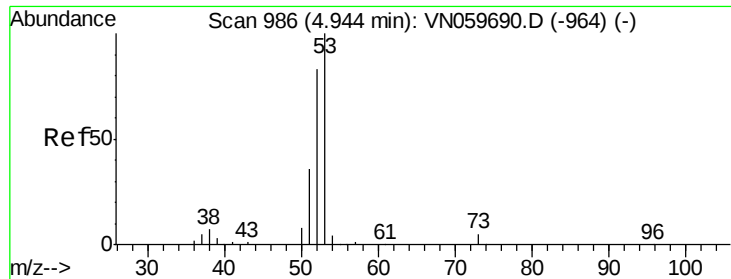
Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0



Time-->





#15

Acrylonitrile

Concen: 96.423 ug/l

RT: 4.95 min Scan# 987

Delta R.T. 0.00 min

Lab File: VN060036.D

Acq: 10 Feb 2020 11:11

Instrument :

MSVOA_N

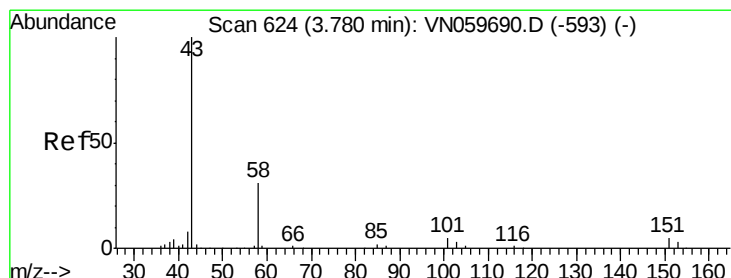
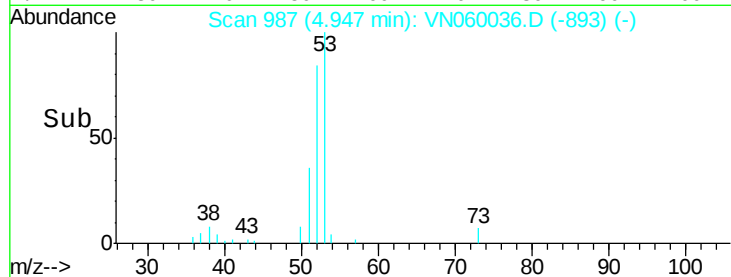
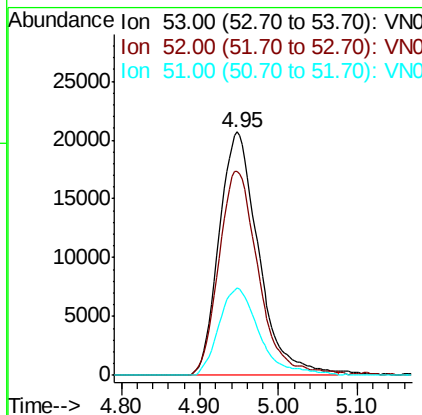
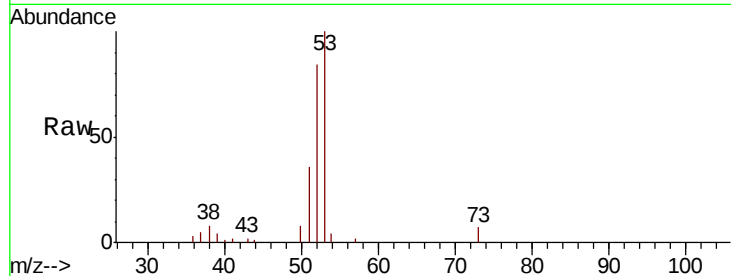
ClientSampleId :

VN0210WBS01

Tot Ion:	53	Resp:	71883
Ion	Ratio	Lower	Upper
53	100		
52	84.0	66.3	99.5
51	36.5	29.7	44.5

Manual Integrations
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#16

Acetone

Concen: 116.762 ug/l

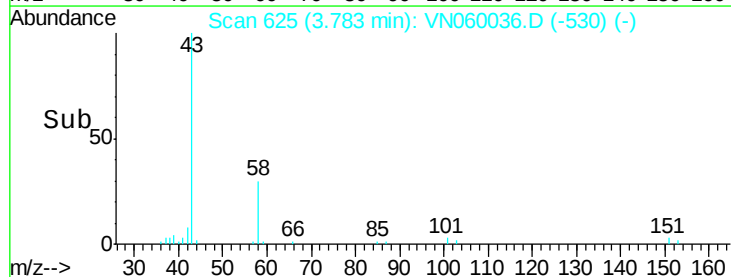
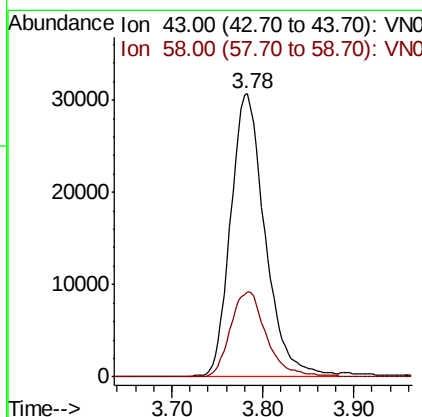
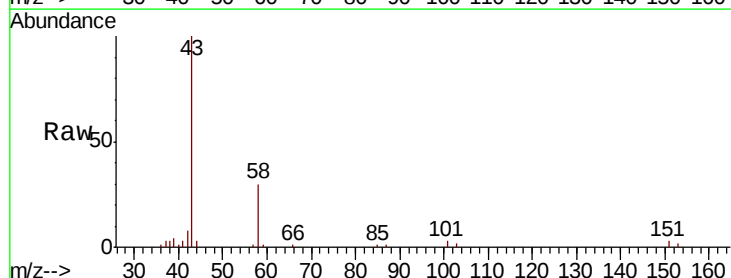
RT: 3.78 min Scan# 625

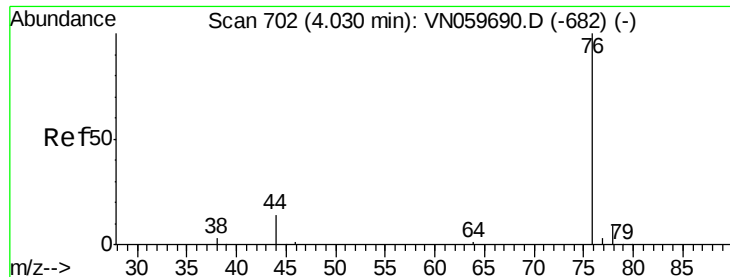
Delta R.T. 0.00 min

Lab File: VN060036.D

Acq: 10 Feb 2020 11:11

Tgt Ion:	43	Resp:	80846
Ion	Ratio	Lower	Upper
43	100		
58	30.0	23.6	35.4





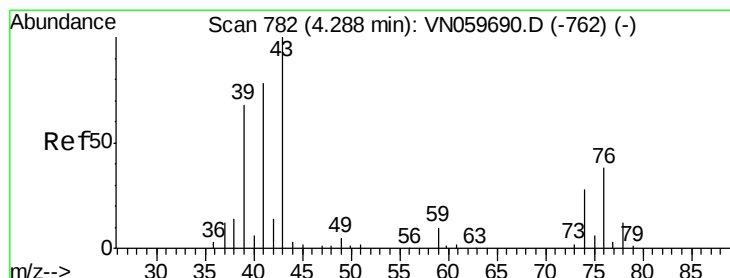
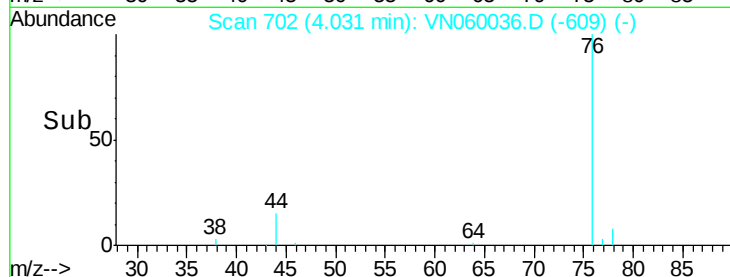
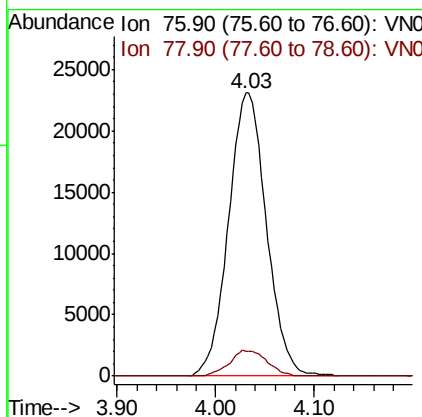
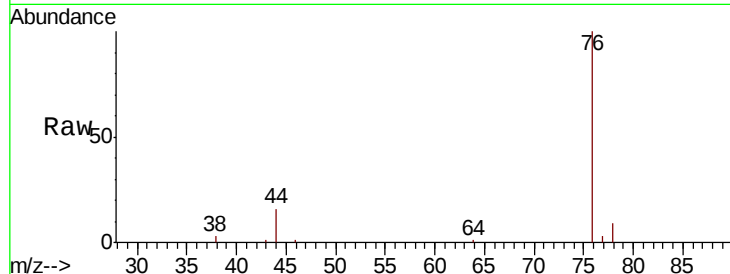
#17
Carbon Disulfide
Concen: 13.556 ug/l
RT: 4.03 min Scan# 702
Delta R.T. 0.00 min
Lab File: VN060036.D
Acq: 10 Feb 2020 11:11

Instrument :
MSVOA_N
ClientSampled :
VN0210WBS01

Tot Ion: 76 Resp: 61763
Ion Ratio Lower Upper
76 100
78 8.9 7.4 11.0

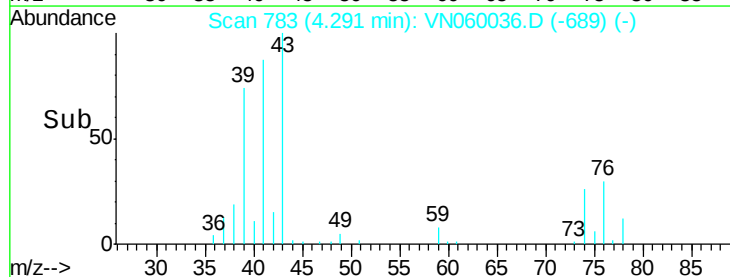
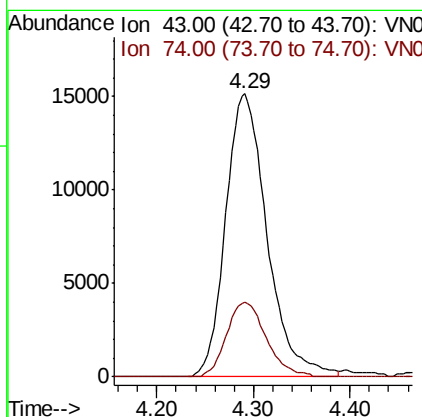
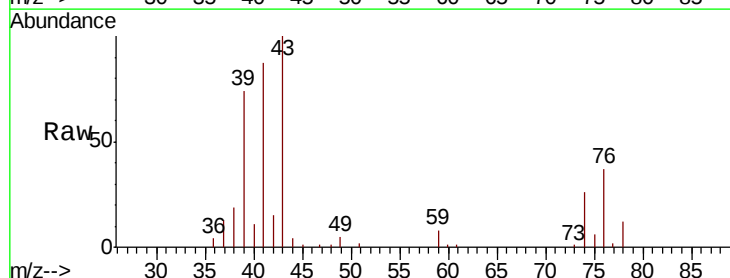
Manual Integrations
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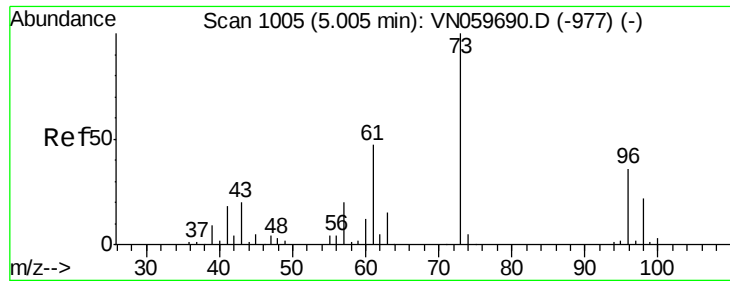
MMDadoda
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#18
Methyl Acetate
Concen: 19.879 ug/l
RT: 4.29 min Scan# 783
Delta R.T. 0.00 min
Lab File: VN060036.D
Acq: 10 Feb 2020 11:11

Tgt Ion: 43 Resp: 45078
Ion Ratio Lower Upper
43 100
74 25.2 17.5 26.3





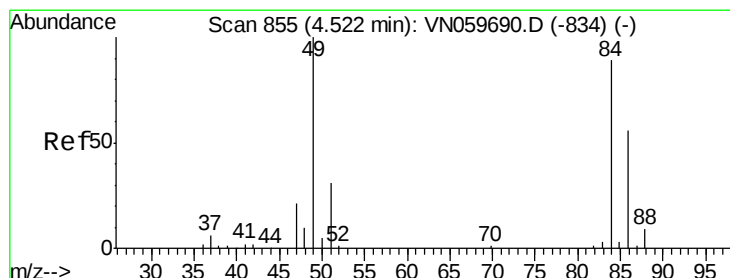
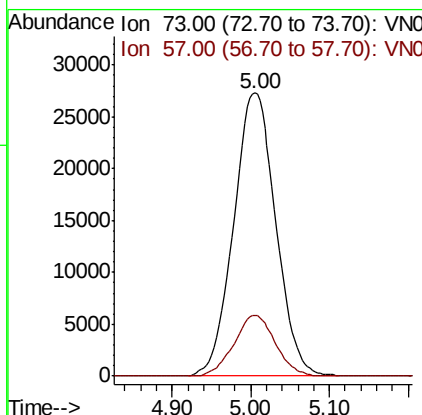
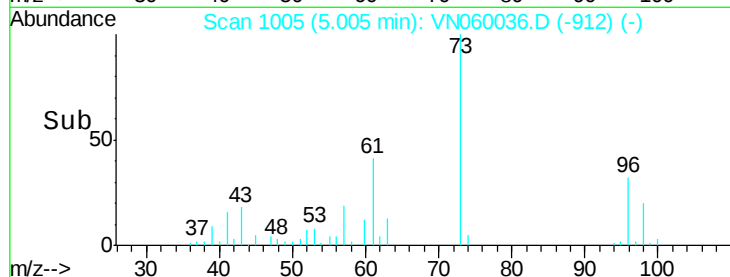
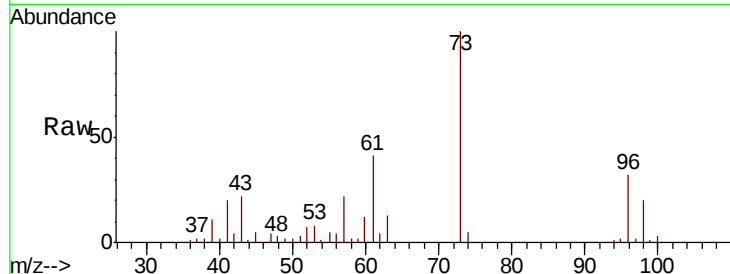
#19
Methvl tert-butvl Ether
Concen: 19.648 ug/l
RT: 5.00 min Scan# 1005
Delta R.T. 0.00 min
Lab File: VN060036.D
Acq: 10 Feb 2020 11:11

Instrument :
MSVOA_N
ClientSampleId :
VN0210WBS01

Tot Ion: 73 Resp: 102457
Ion Ratio Lower Upper
73 100
57 21.7 18.6 27.8

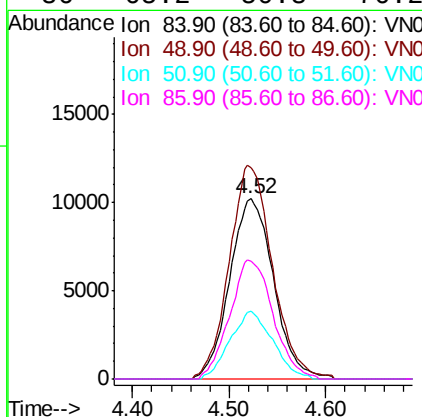
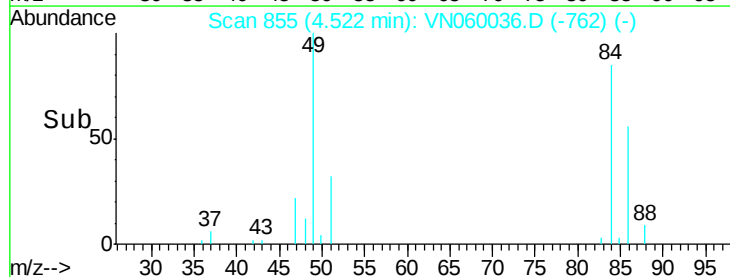
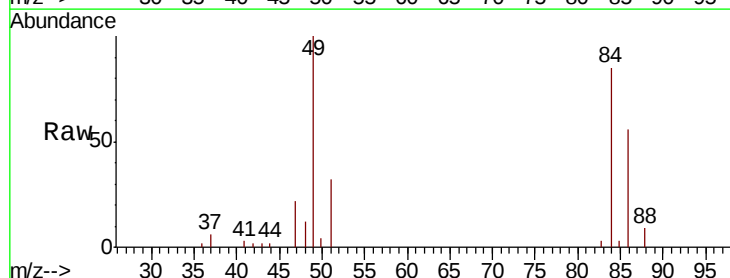
Manual Integrations
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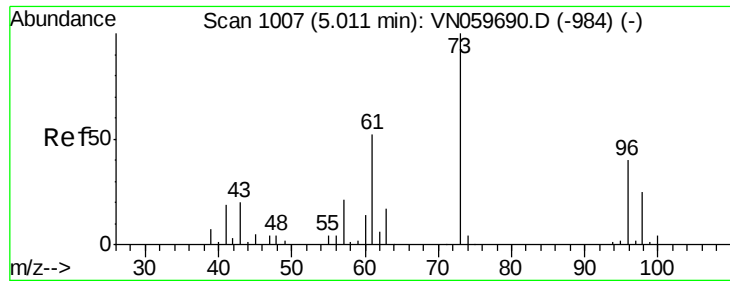
MMDadoda
2/11/2020 11:04:03 AM



#20
Methylene Chloride
Concen: 17.541 ug/l
RT: 4.52 min Scan# 855
Delta R.T. 0.00 min
Lab File: VN060036.D
Acq: 10 Feb 2020 11:11

Tgt Ion: 84 Resp: 32285
Ion Ratio Lower Upper
84 100
49 117.4 106.6 160.0
51 37.5 31.9 47.9
86 65.2 50.8 76.2





#21

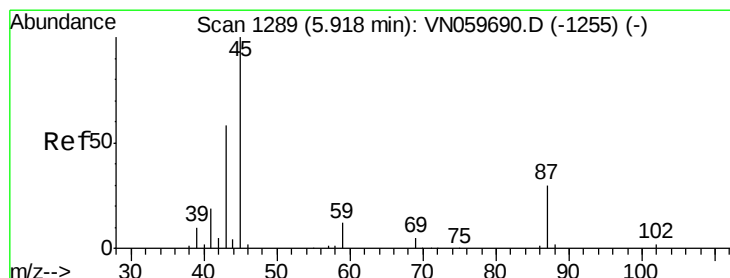
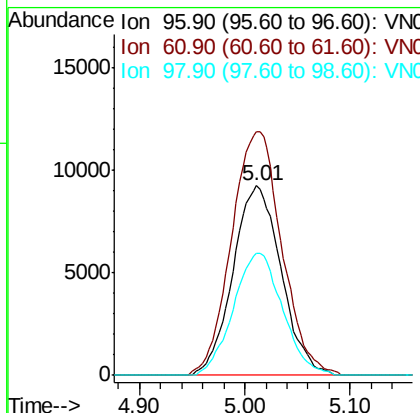
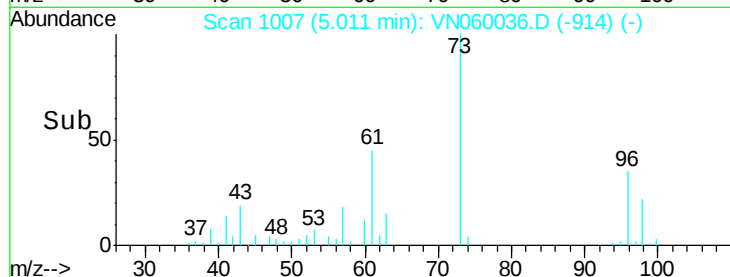
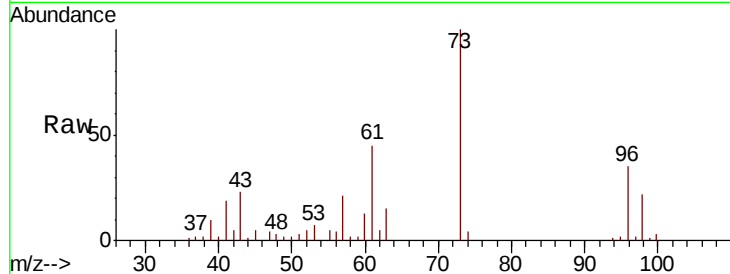
trans-1,2-Dichloroethene
Concen: 17.270 ug/l
RT: 5.01 min Scan# 1007
Delta R.T. 0.00 min
Lab File: VN060036.D
Acq: 10 Feb 2020 11:11

Instrument :
MSVOA_N
ClientSampleId :
VN0210WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	128.5	120.4	180.6
98	64.8	50.6	75.8

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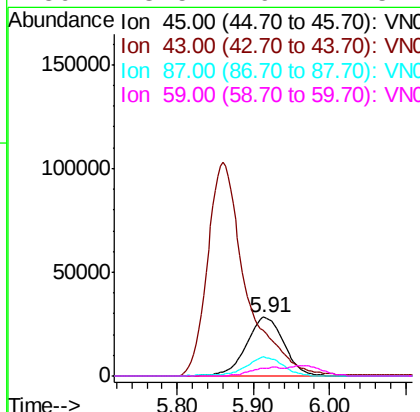
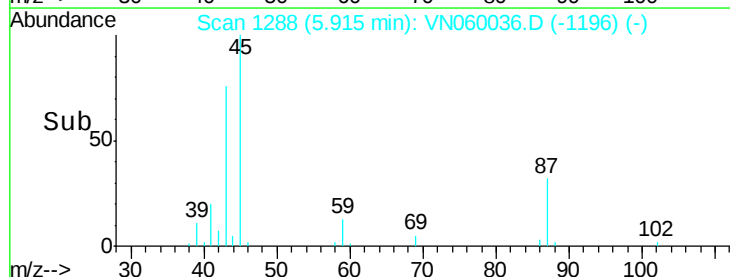
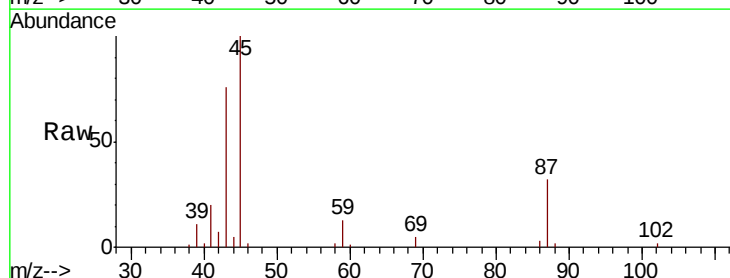
MMDadoda
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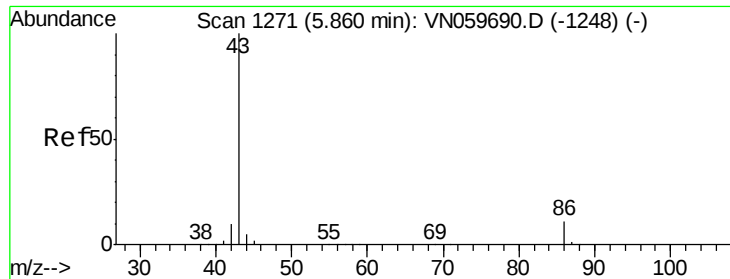


#22

Diisopropyl ether
Concen: 19.939 ug/l
RT: 5.91 min Scan# 1288
Delta R.T. -0.00 min
Lab File: VN060036.D
Acq: 10 Feb 2020 11:11

Tgt Ion	Ratio	Lower	Upper
45	100		
43	73.7	50.8	76.2
87	32.3	21.0	31.6
59	13.5	9.1	13.7





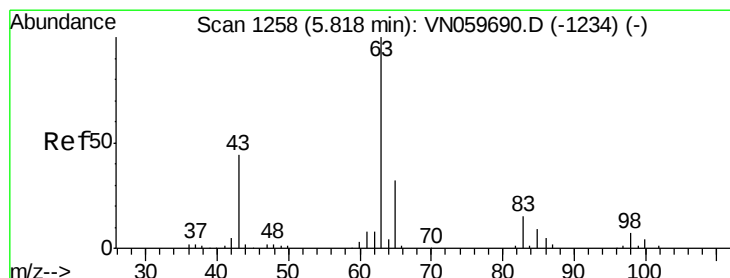
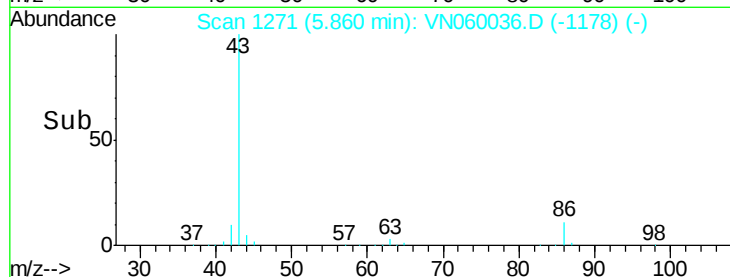
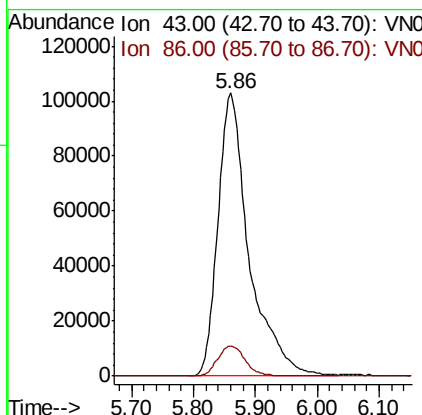
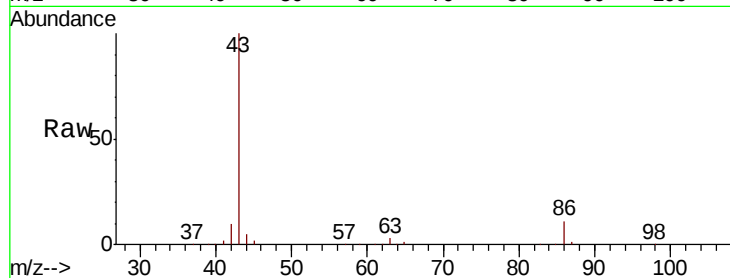
#23
 Vinyl Acetate
 Concen: 95.416 ug/l
 RT: 5.86 min Scan# 1271
 Delta R.T. 0.00 min
 Lab File: VN060036.D
 Acq: 10 Feb 2020 11:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0210WBS01

Tot Ion	43	Resp	360908
Ion Ratio	100	Lower	Upper
43	100		
86	10.8	7.6	11.4

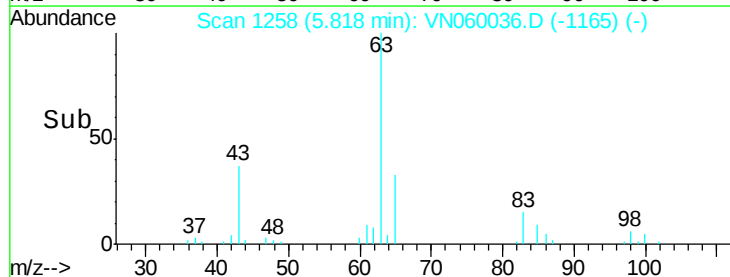
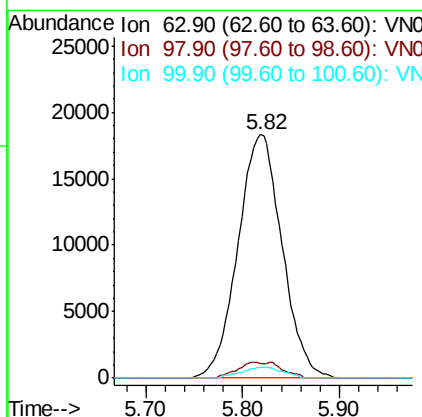
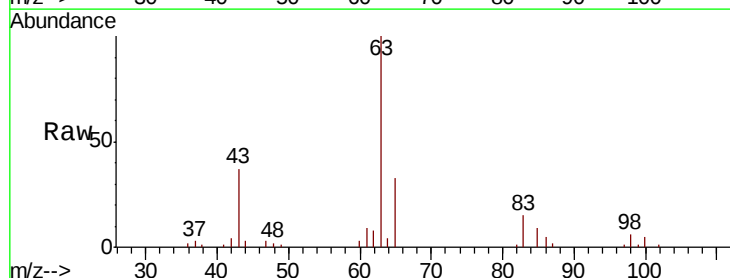
Manual Integrations
 APPROVED

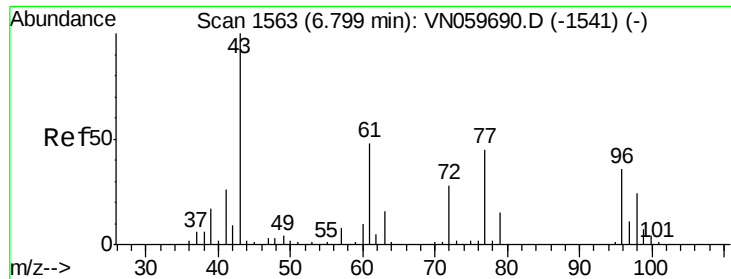
MMDadoda
 2/11/2020 11:04:03 AM



#24
 1,1-Dichloroethane
 Concen: 19.418 ug/l
 RT: 5.82 min Scan# 1258
 Delta R.T. 0.00 min
 Lab File: VN060036.D
 Acq: 10 Feb 2020 11:11

Tgt Ion	63	Resp	57964
Ion Ratio	100	Lower	Upper
63	100		
98	6.1	2.9	8.7
100	4.6	2.0	6.0





#25

2-Butanone

Concen: 93.848 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VN060036.D

Acq: 10 Feb 2020 11:11

Instrument :

MSVOA_N

ClientSampleId :

VN0210WBS01

Tot Ion: 43 Resp: 103175

Ion Ratio Lower Upper

43 100

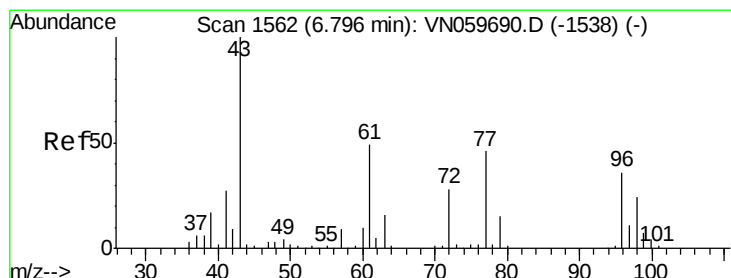
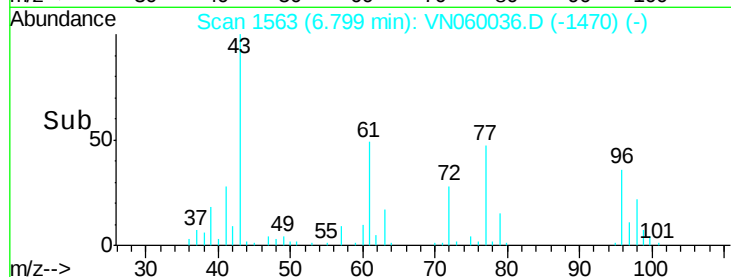
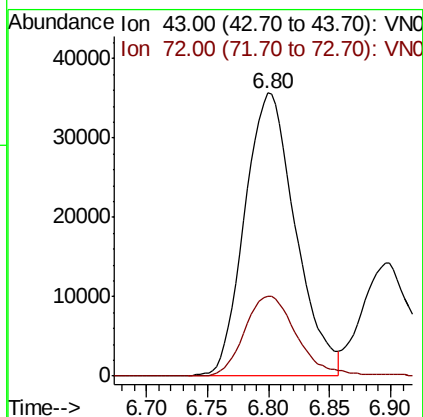
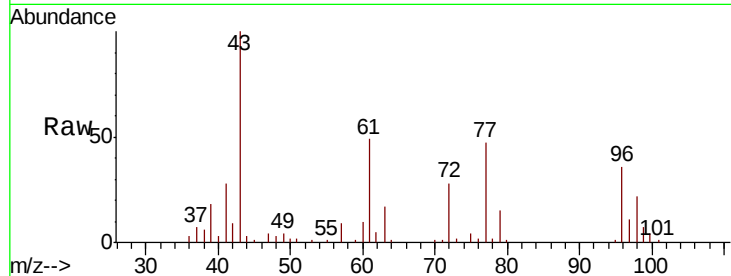
72 28.3 19.9 29.9

Manual Integrations

APPROVED

MMDadoda

2/11/2020 11:04:03 AM



#26

2,2-Dichloropropane

Concen: 19.242 ug/l

RT: 6.79 min Scan# 1561

Delta R.T. -0.00 min

Lab File: VN060036.D

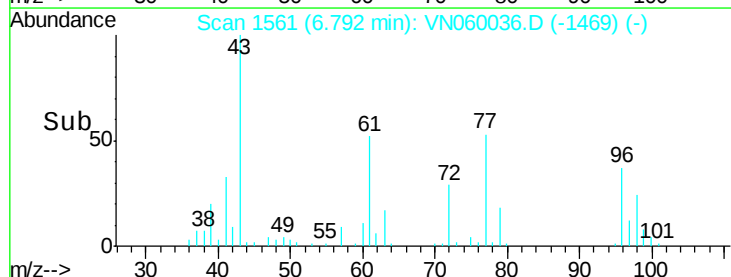
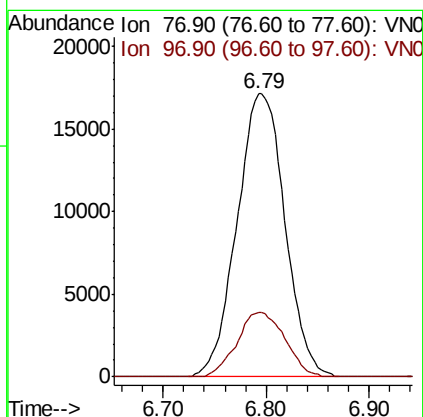
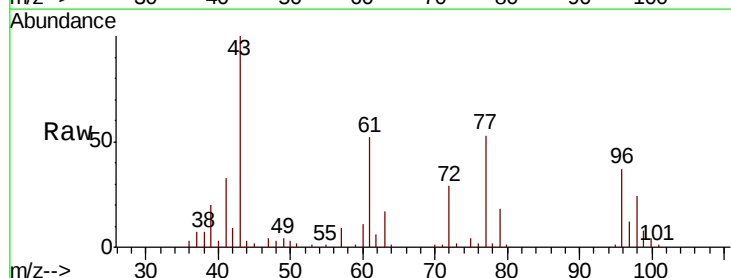
Acq: 10 Feb 2020 11:11

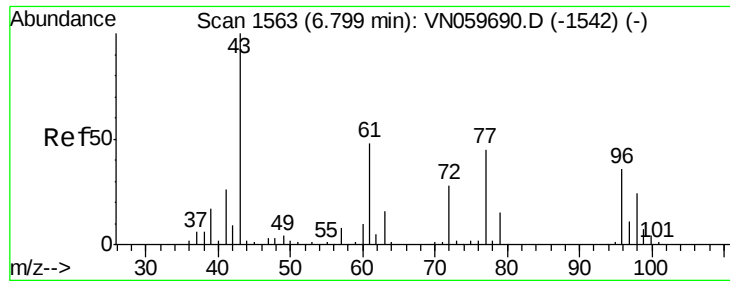
Tgt Ion: 77 Resp: 55221

Ion Ratio Lower Upper

77 100

97 22.8 10.7 31.9





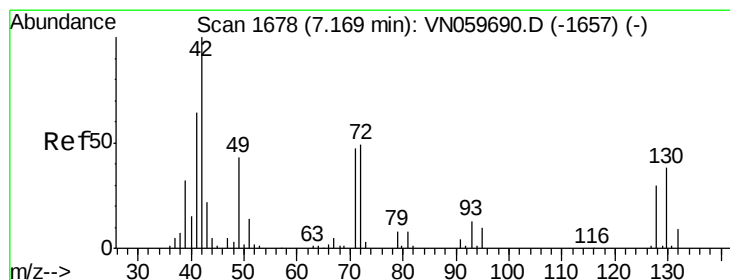
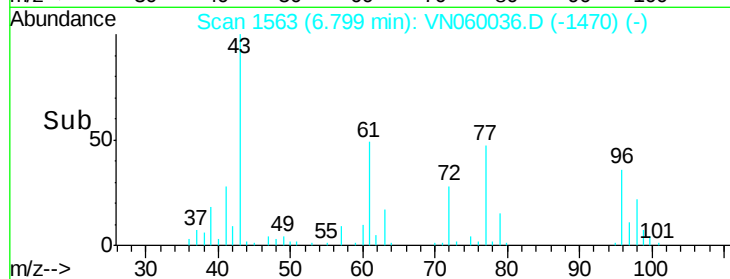
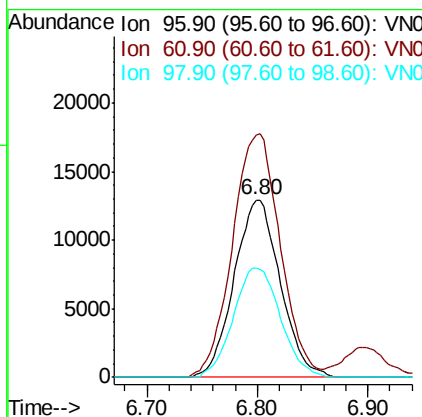
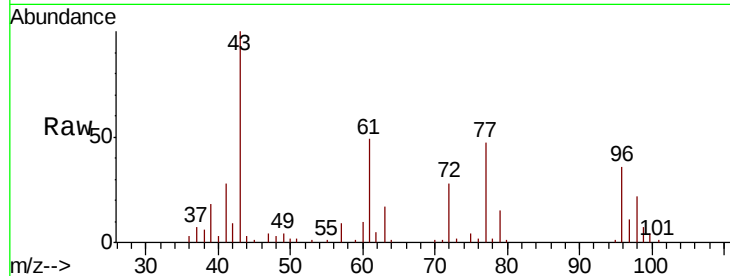
#27
 cis-1,2-Dichloroethene
 Concen: 19.171 ug/l
 RT: 6.80 min Scan# 1563
 Delta R.T. 0.00 min
 Lab File: VN060036.D
 Acq: 10 Feb 2020 11:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0210WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	142.2	0.0	317.6
98	62.8	0.0	127.0

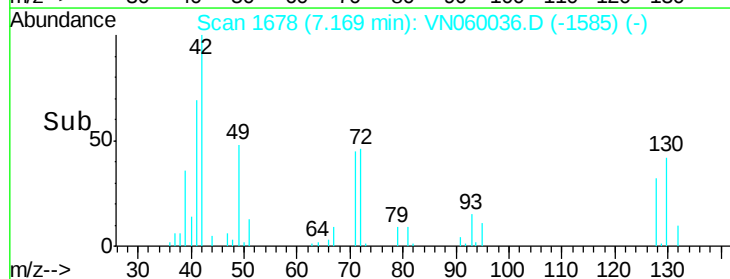
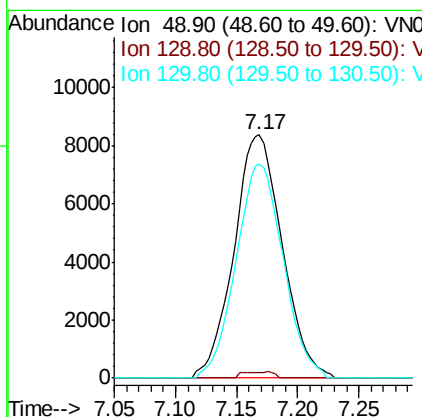
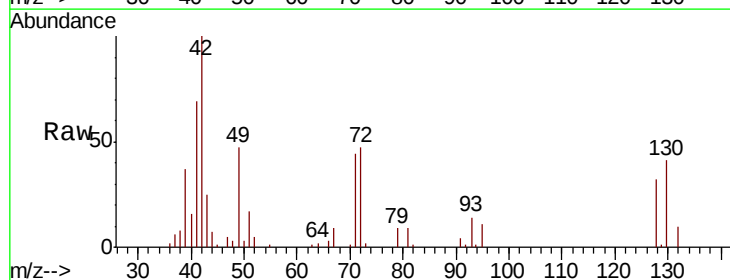
Manual Integrations
 APPROVED

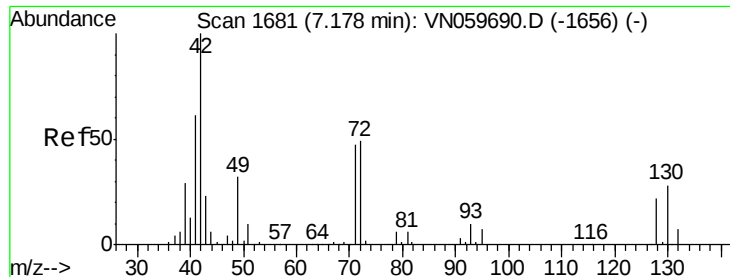
MMDadoda
 2/11/2020 11:04:03 AM



#28
 Bromochloromethane
 Concen: 19.205 ug/l
 RT: 7.17 min Scan# 1678
 Delta R.T. 0.00 min
 Lab File: VN060036.D
 Acq: 10 Feb 2020 11:11

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.6	0.0	3.4
130	86.0	54.7	82.1#





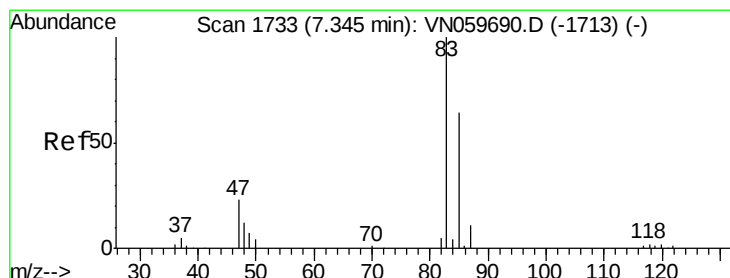
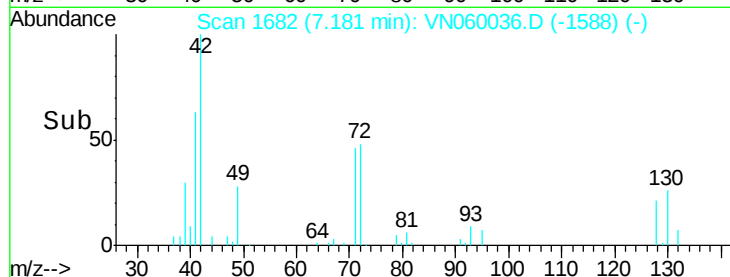
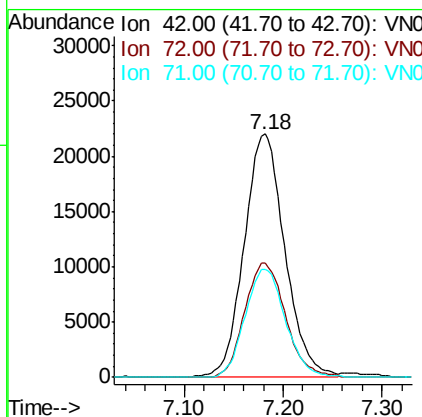
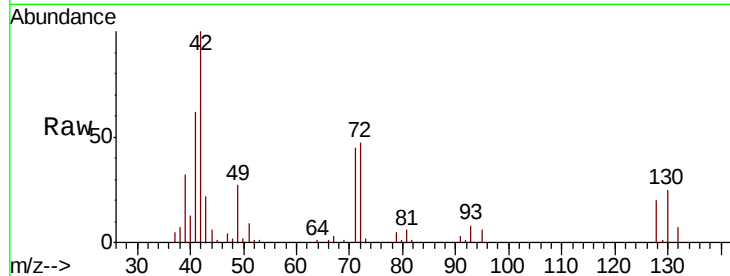
#29
Tetrahydrofuran
Concen: 92.470 ug/l
RT: 7.18 min Scan# 1682
Delta R.T. 0.00 min
Lab File: VN060036.D
Acq: 10 Feb 2020 11:11

Instrument :
MSVOA_N
ClientSampleId :
VN0210WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	47.0	33.1	49.7
71	44.3	31.4	47.0

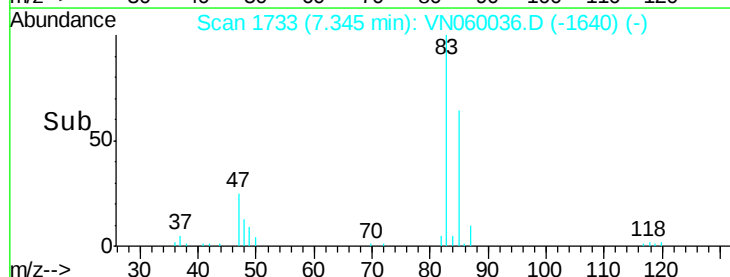
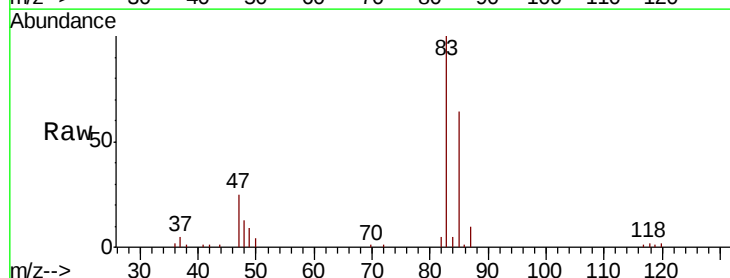
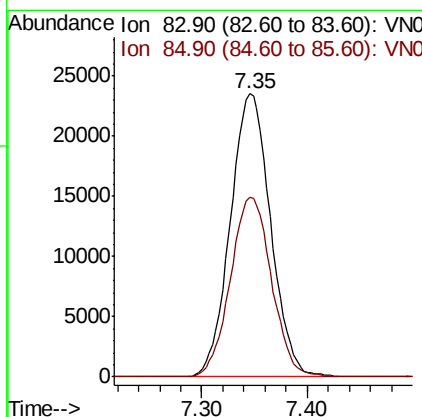
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APPROVED

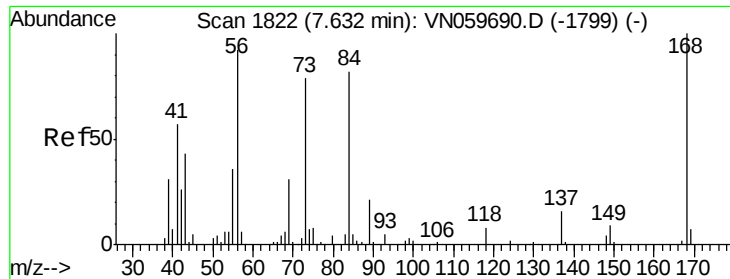
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#30
Chloroform
Concen: 20.185 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. 0.00 min
Lab File: VN060036.D
Acq: 10 Feb 2020 11:11

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.6	52.4	78.6





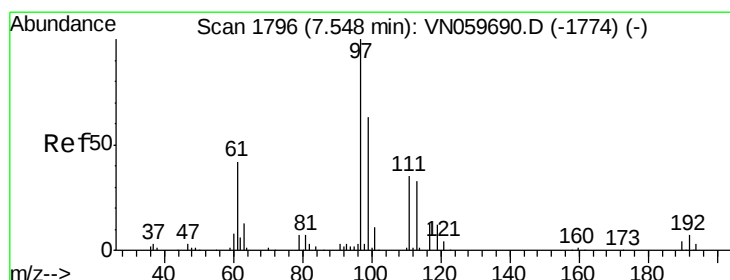
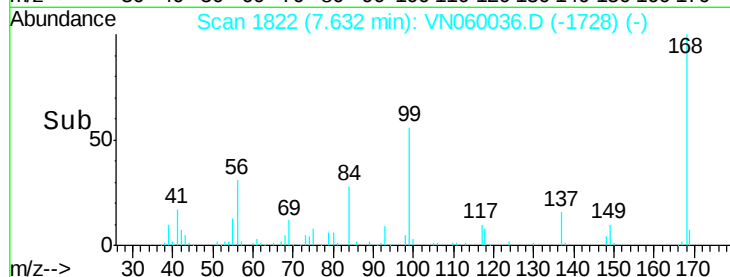
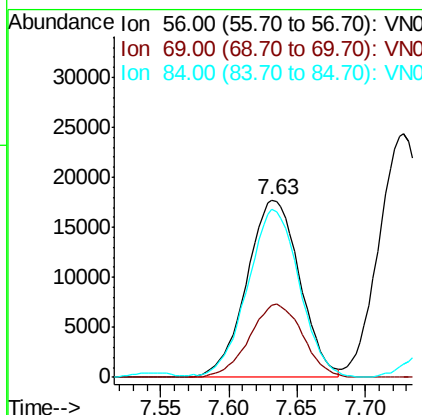
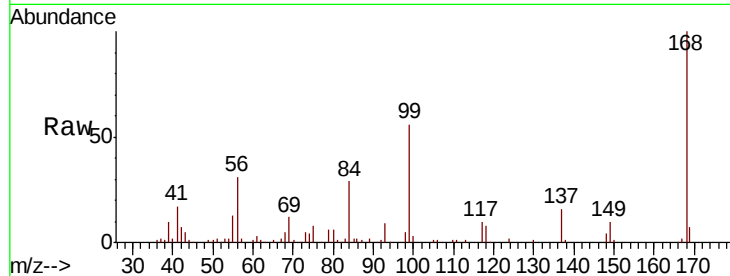
#31
Cyclohexane
Concen: 16.654 ug/l
RT: 7.63 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VN060036.D
Acq: 10 Feb 2020 11:11

Instrument :
MSVOA_N
ClientSampled :
VN0210WBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	40.5	26.5	39.7#
84	93.3	65.3	97.9

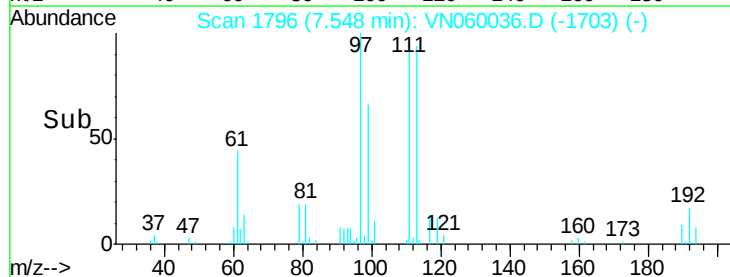
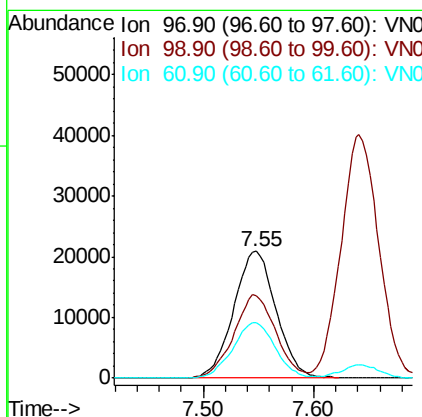
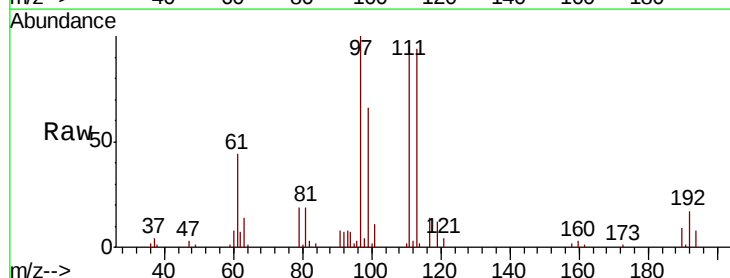
Manual Integrations
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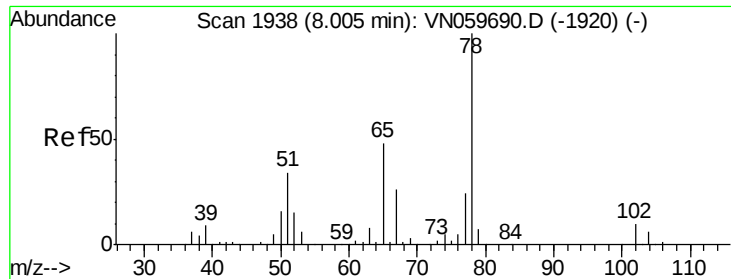
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 19.411 ug/l
RT: 7.55 min Scan# 1796
Delta R.T. 0.00 min
Lab File: VN060036.D
Acq: 10 Feb 2020 11:11

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.7	51.0	76.4
61	43.7	38.5	57.7





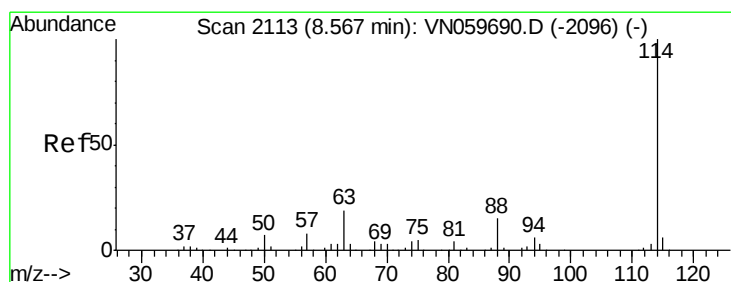
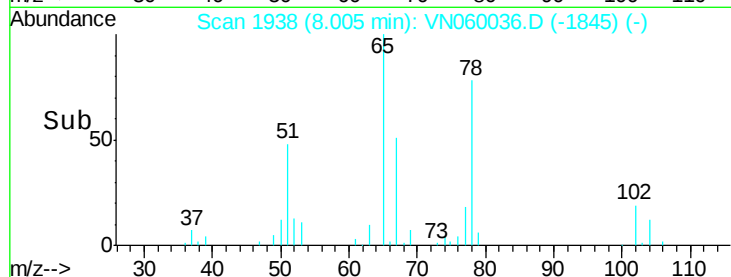
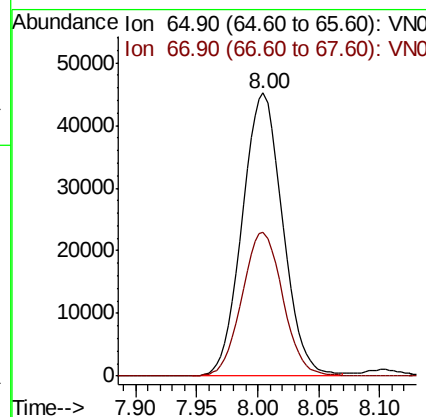
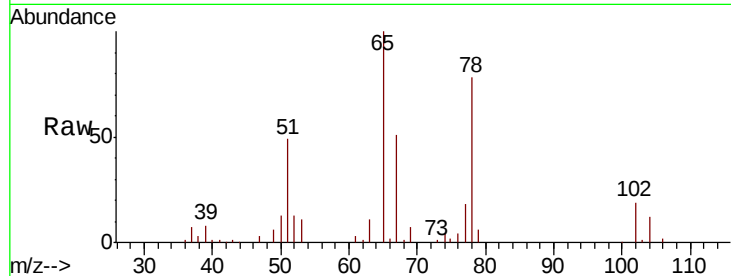
#33
 1,2-Dichloroethane-d4
 Concen: 53.379 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. 0.00 min
 Lab File: VN060036.D
 Acq: 10 Feb 2020 11:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0210WBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	51.3	0.0	103.0	

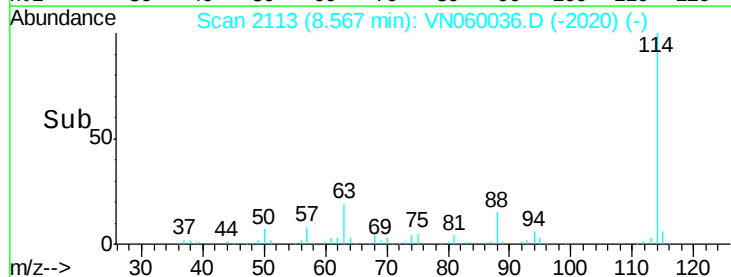
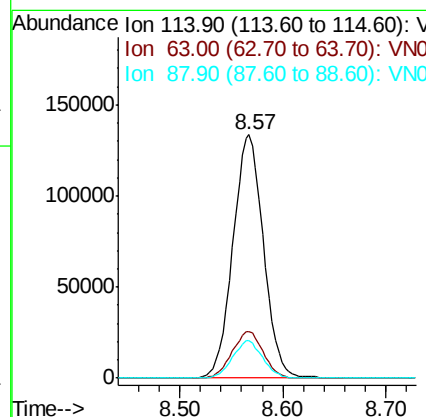
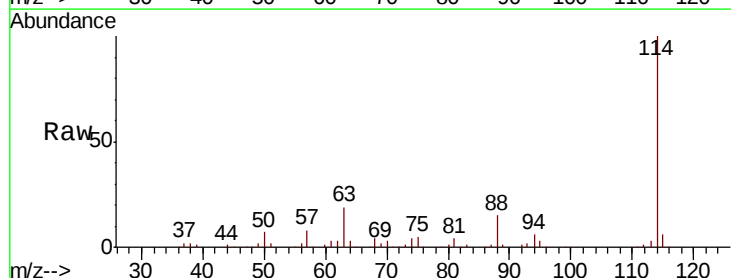
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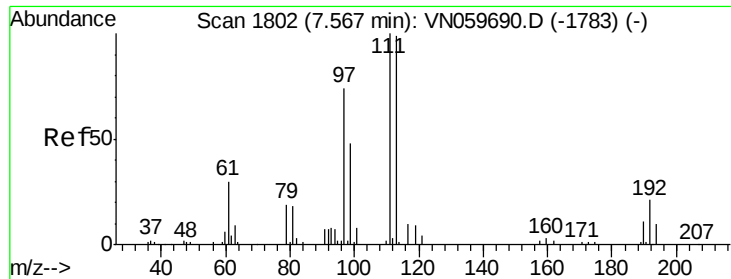
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VN060036.D
 Acq: 10 Feb 2020 11:11

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	19.3	0.0	43.6	
88	15.3	0.0	31.4	





#35

Dibromofluoromethane

Concen: 52.350 ug/l

RT: 7.56 min Scan# 1801

Delta R.T. -0.00 min

Lab File: VN060036.D

Acq: 10 Feb 2020 11:11

Instrument :

MSVOA_N

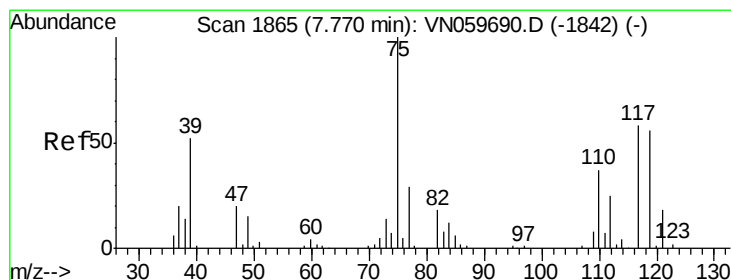
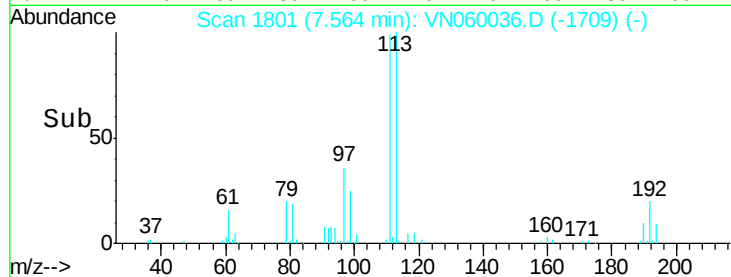
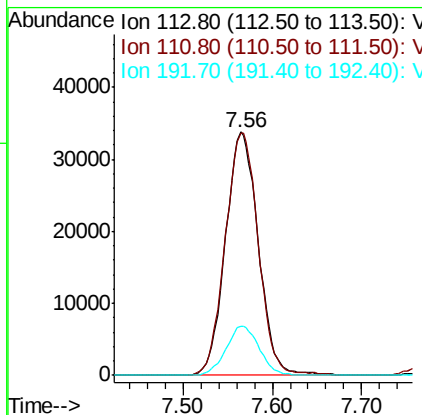
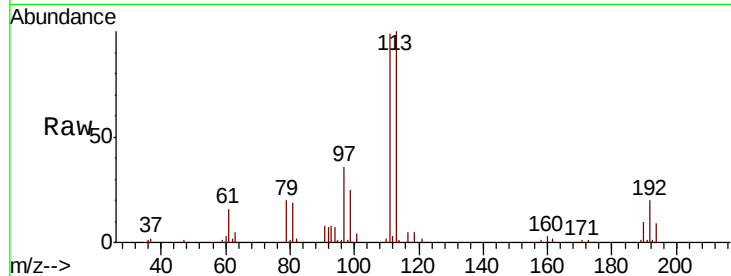
ClientSampled :

VN0210WBS01

Tot Ion:	113	Resp:	86055
Ion Ratio	Lower	Upper	
113	100		
111	100.0	83.5	125.3
192	20.4	15.4	23.2

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#36

1,1-Dichloropropene

Concen: 17.580 ug/l

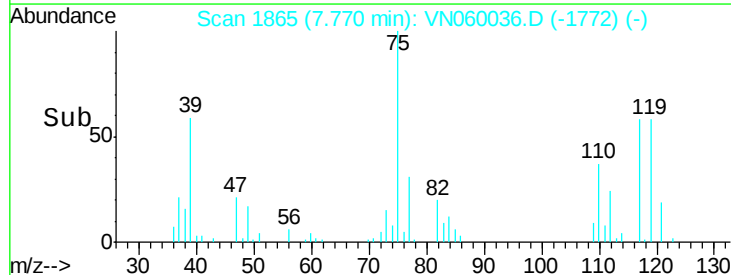
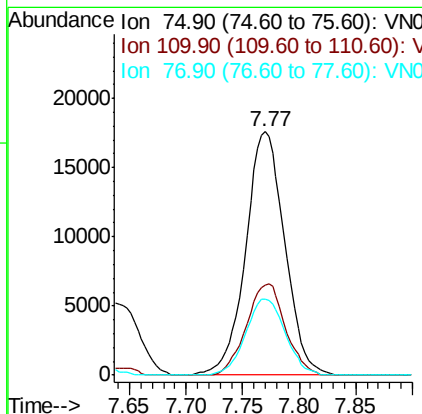
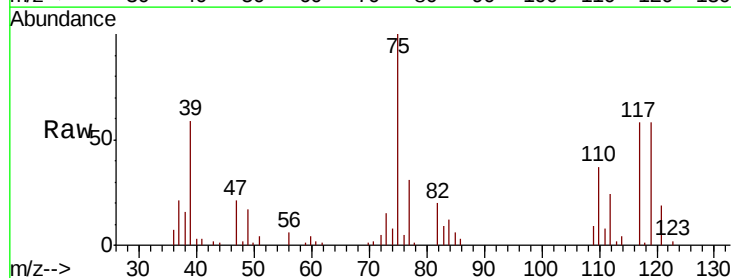
RT: 7.77 min Scan# 1865

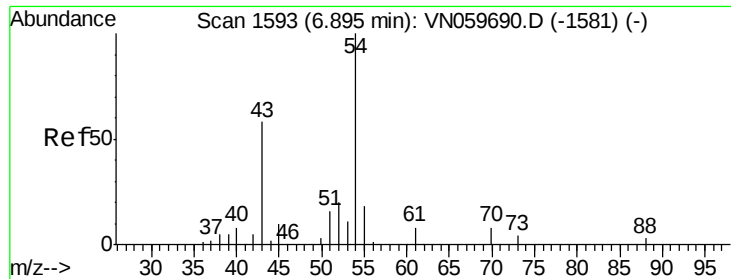
Delta R.T. 0.00 min

Lab File: VN060036.D

Acq: 10 Feb 2020 11:11

Tgt Ion:	75	Resp:	42201
Ion Ratio	Lower	Upper	
75	100		
110	37.3	16.6	49.7
77	31.7	25.1	37.7





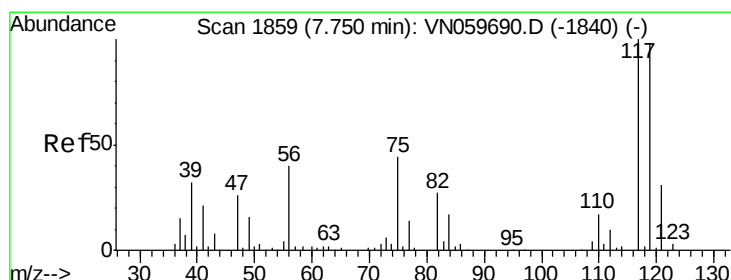
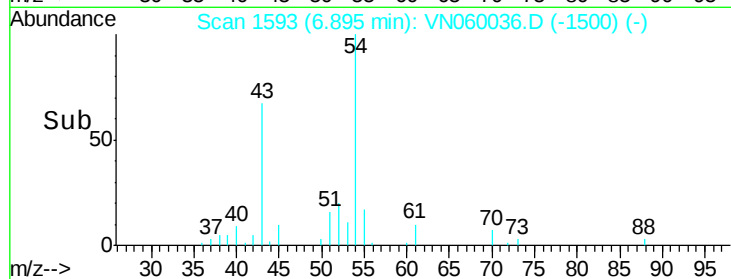
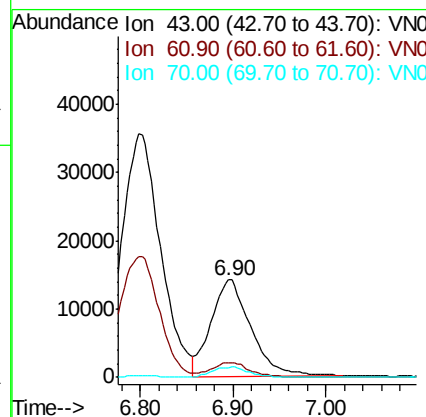
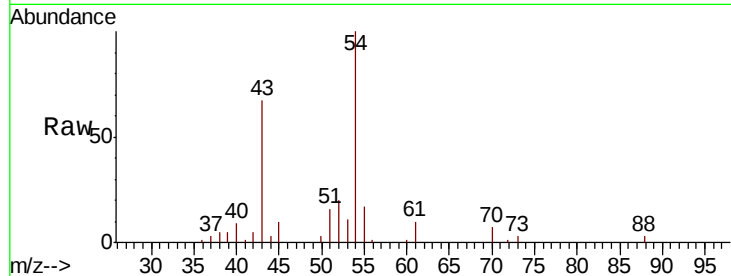
#37
Ethyl Acetate
Concen: 18.844 ug/l
RT: 6.90 min Scan# 1593
Delta R.T. 0.00 min
Lab File: VN060036.D
Acq: 10 Feb 2020 11:11

Instrument :
MSVOA_N
ClientSampleId :
VN0210WBS01

Tot Ion	43	Resp	42427
Ion Ratio	100	Lower	Upper
43	100		
61	14.7	10.9	16.3
70	9.6	7.7	11.5

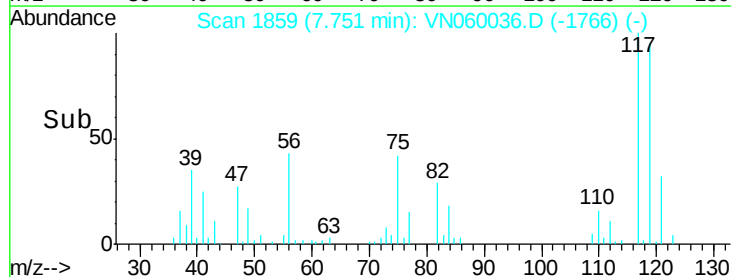
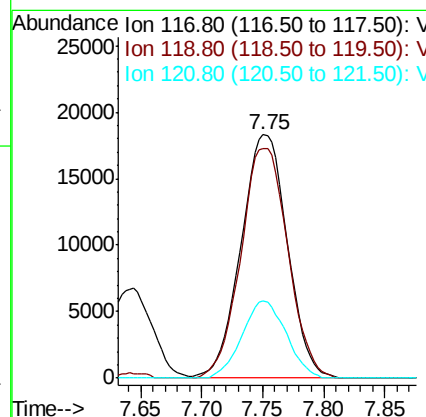
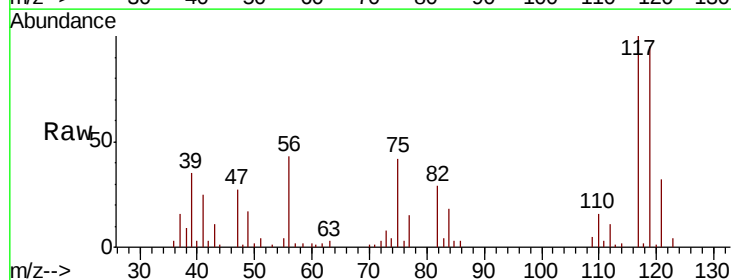
Manual Integrations
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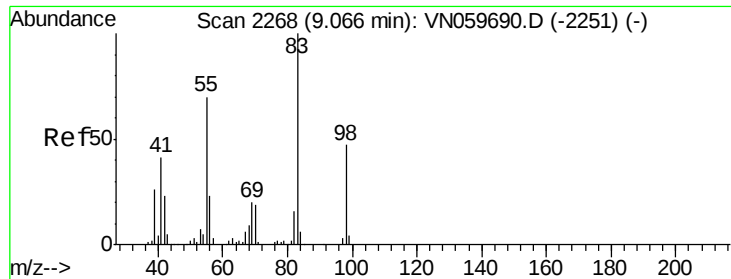
MMDadoda
2/11/2020 11:04:03 AM



#38
Carbon Tetrachloride
Concen: 18.452 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. 0.00 min
Lab File: VN060036.D
Acq: 10 Feb 2020 11:11

Tgt Ion	117	Resp	48183
Ion Ratio	100	Lower	Upper
117	100		
119	94.5	76.5	114.7
121	31.9	25.1	37.7





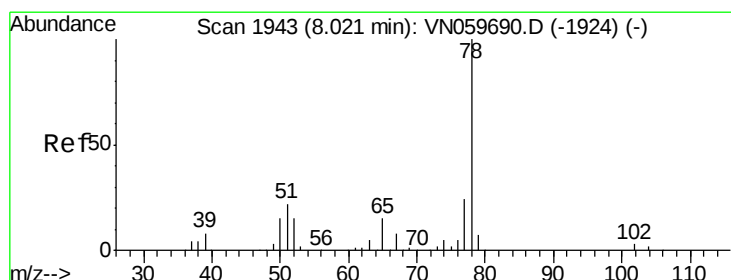
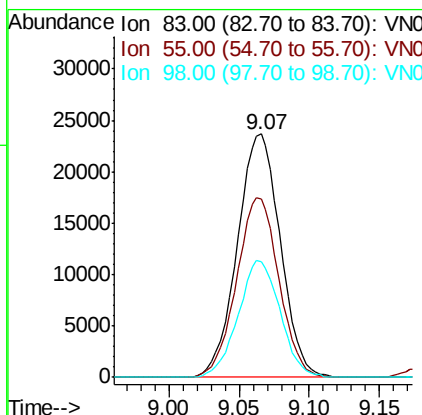
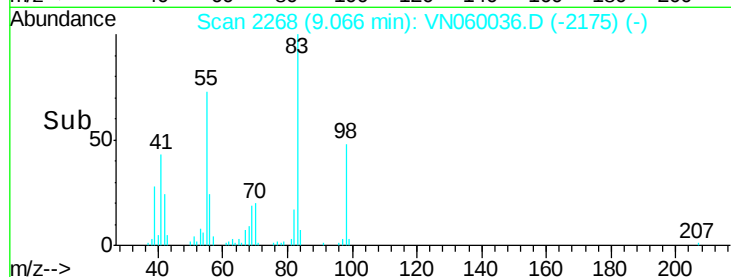
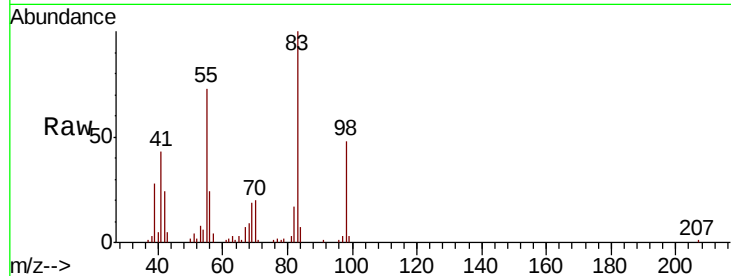
#39
Methvlcvclohexane
Concen: 17.040 ug/l
RT: 9.07 min Scan# 2268
Delta R.T. 0.00 min
Lab File: VN060036.D
Acq: 10 Feb 2020 11:11

Instrument :
MSVOA_N
ClientSampleId :
VN0210WBS01

Tot Ion	83	Resp	50437
Ion Ratio	100	Lower	Upper
83	100		
55	73.2	64.2	96.2
98	47.7	35.9	53.9

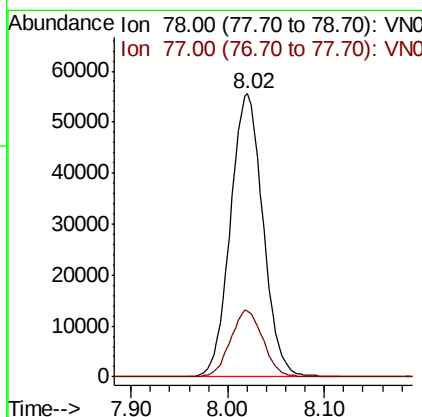
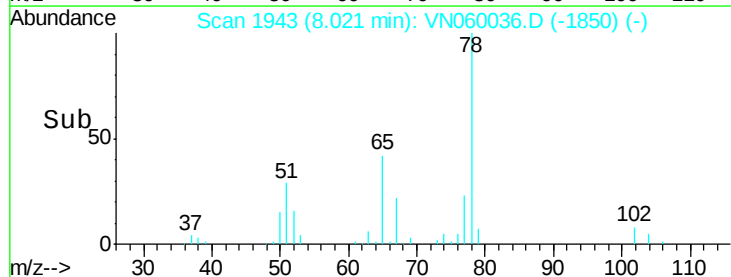
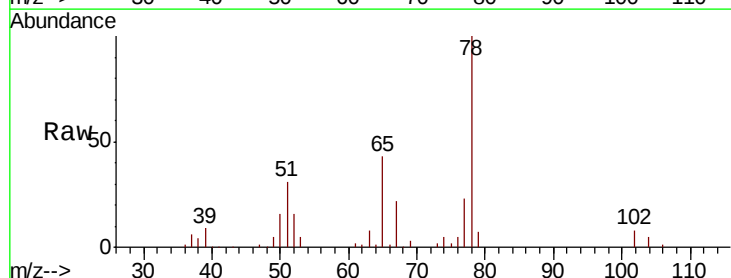
Manual Integrations
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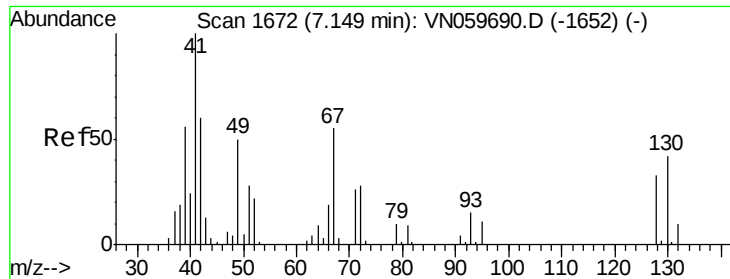
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#40
Benzene
Concen: 18.173 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. 0.00 min
Lab File: VN060036.D
Acq: 10 Feb 2020 11:11

Tgt Ion	78	Resp	130104
Ion Ratio	100	Lower	Upper
78	100		
77	23.4	18.9	28.3





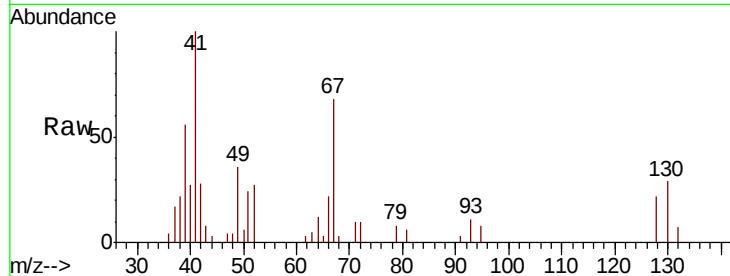
#41
Methacrylonitrile
Concen: 16.158 ug/l m
RT: 7.14 min Scan# 1670
Delta R.T. -0.01 min
Lab File: VN060036.D
Acq: 10 Feb 2020 11:11

Instrument :
MSVOA_N
ClientSampleId :
VN0210WBS01

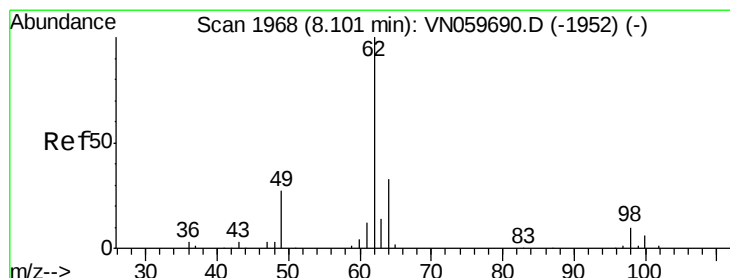
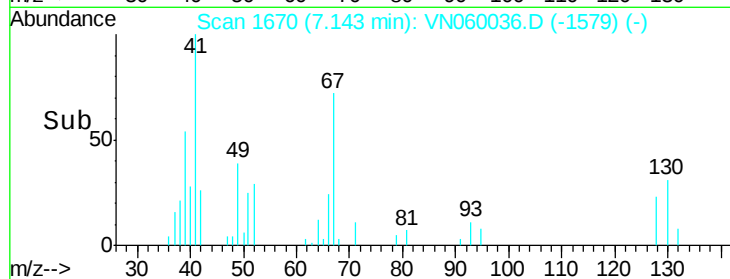
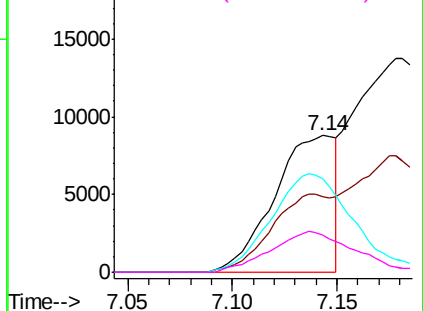
Tot Ion	41	Resp	17918
Ion Ratio	Lower	Upper	
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

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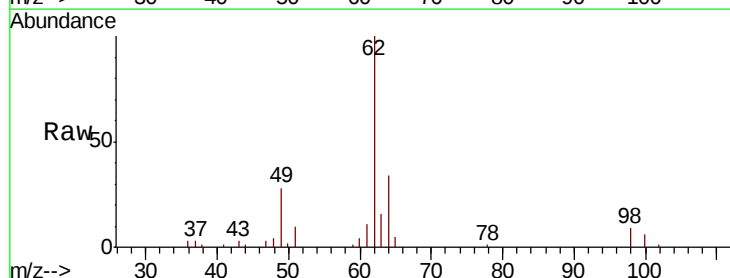


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

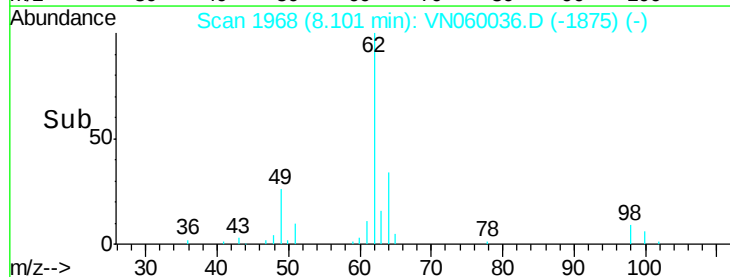
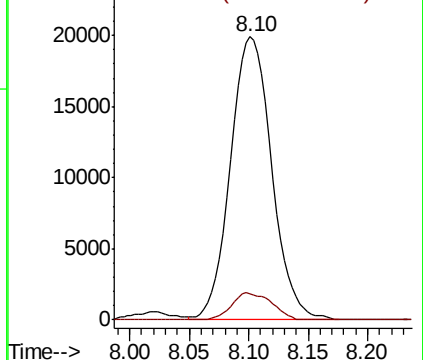


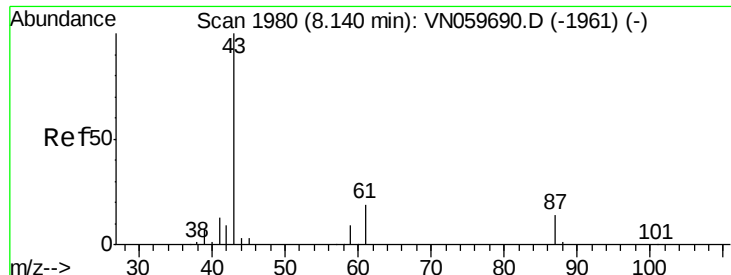
#42
1,2-Dichloroethane
Concen: 19.738 ug/l
RT: 8.10 min Scan# 1968
Delta R.T. 0.00 min
Lab File: VN060036.D
Acq: 10 Feb 2020 11:11

Tgt Ion	62	Resp	47910
Ion Ratio	Lower	Upper	
62	100		
98	9.3	0.0	15.8



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





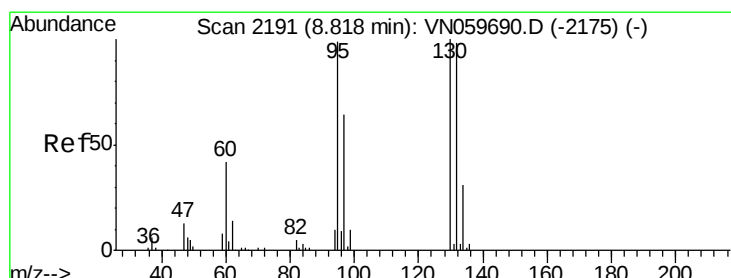
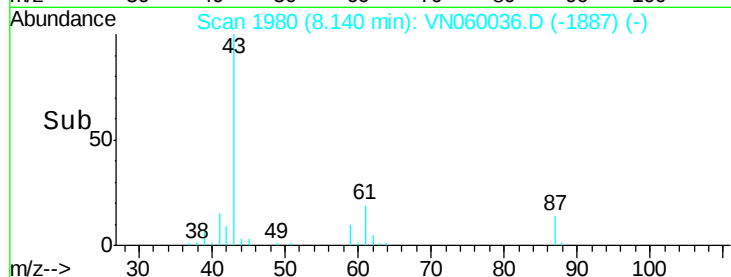
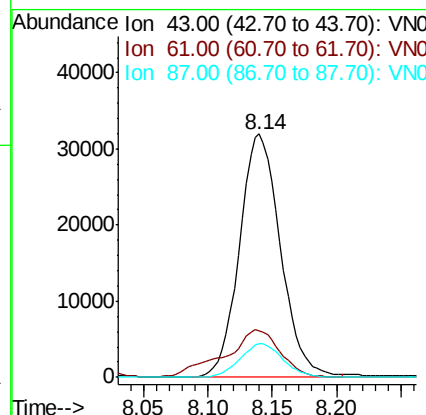
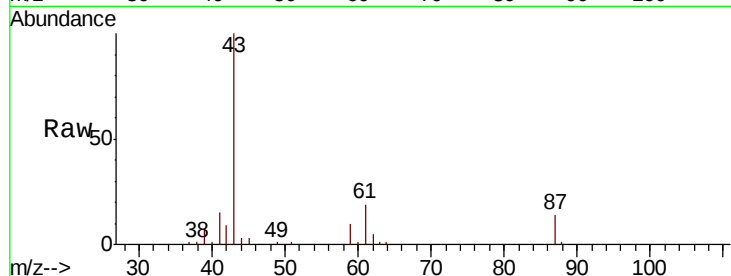
#43
Isopropyl Acetate
Concen: 18.258 ug/l
RT: 8.14 min Scan# 1980
Delta R.T. 0.00 min
Lab File: VN060036.D
Acq: 10 Feb 2020 11:11

Instrument :
MSVOA_N
ClientSampleId :
VN0210WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	26.5	20.2	30.2
87	14.4	9.5	14.3

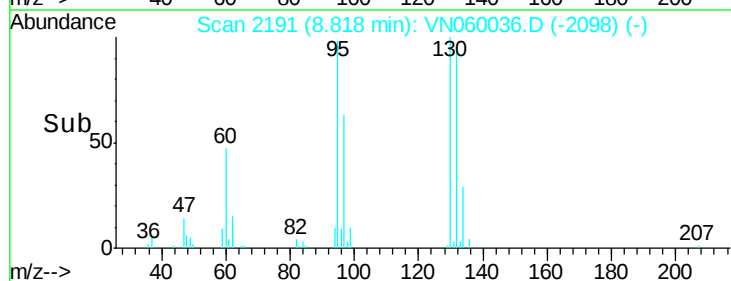
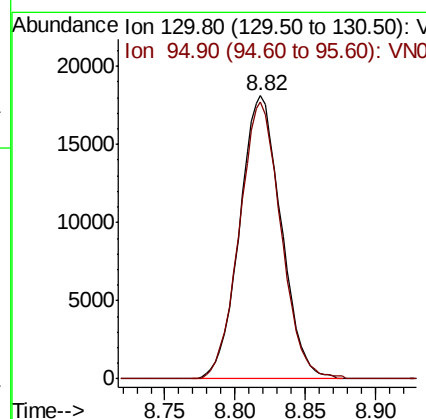
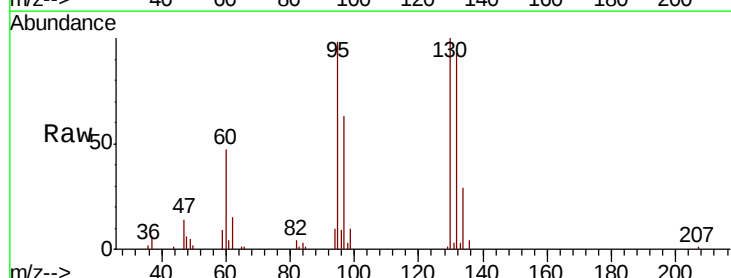
Manual Integrations
APPROVED

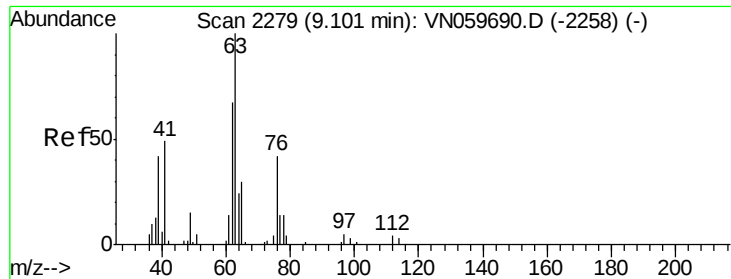
MMDadoda
2/11/2020 11:04:03 AM



#44
Trichloroethene
Concen: 19.095 ug/l
RT: 8.82 min Scan# 2191
Delta R.T. 0.00 min
Lab File: VN060036.D
Acq: 10 Feb 2020 11:11

Tgt Ion	Ratio	Lower	Upper
130	100		
95	97.7	0.0	207.0





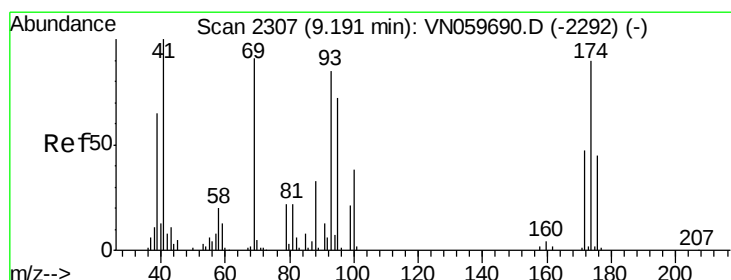
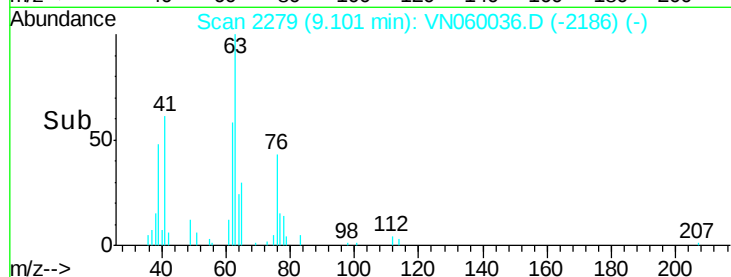
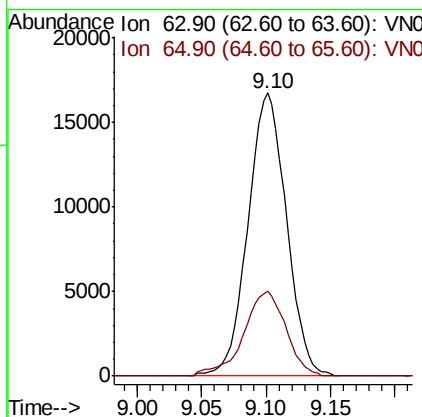
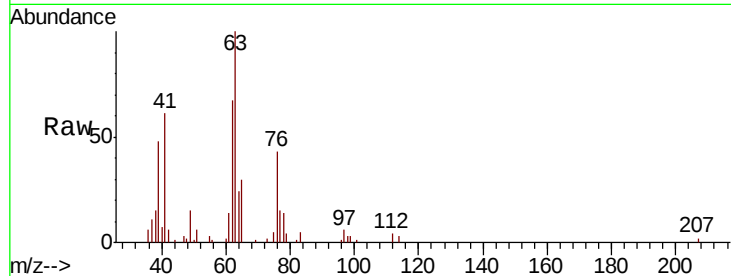
#45
 1,2-Dichloropropane
 Concen: 19.680 ug/l
 RT: 9.10 min Scan# 2279
 Delta R.T. 0.00 min
 Lab File: VN060036.D
 Acq: 10 Feb 2020 11:11

Instrument :
 MSVOA_N
 ClientSampled :
 VN0210WBS01

Tot Ion: 63 Resp: 34864
 Ion Ratio Lower Upper
 63 100
 65 29.9 24.9 37.3

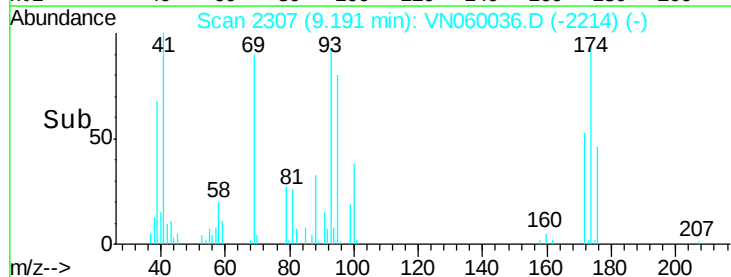
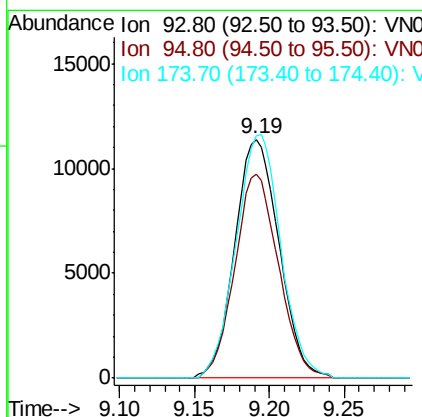
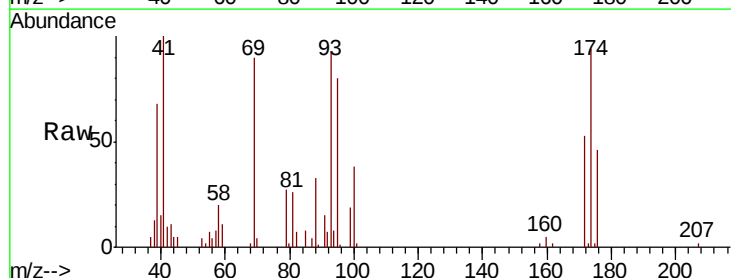
Manual Integrations
 APPROVED

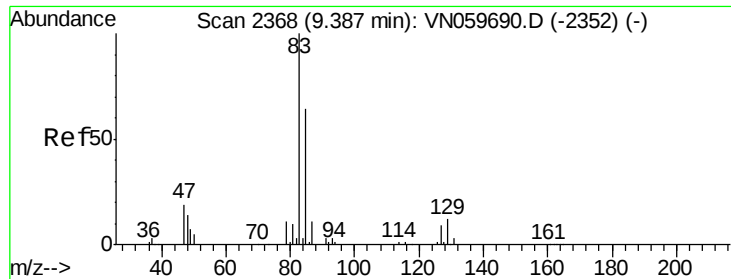
MMDadoda
 2/11/2020 11:04:03 AM



#46
 Dibromomethane
 Concen: 18.824 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. 0.00 min
 Lab File: VN060036.D
 Acq: 10 Feb 2020 11:11

Tgt Ion: 93 Resp: 23523
 Ion Ratio Lower Upper
 93 100
 95 84.3 67.0 100.6
 174 102.7 73.4 110.2





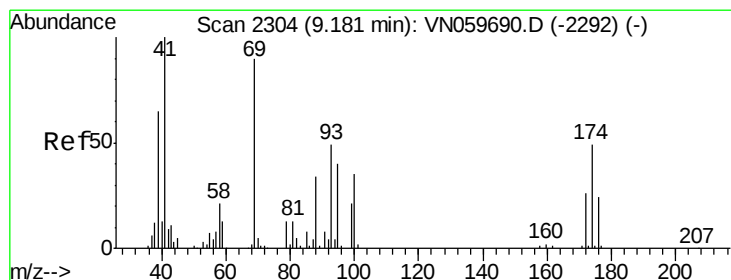
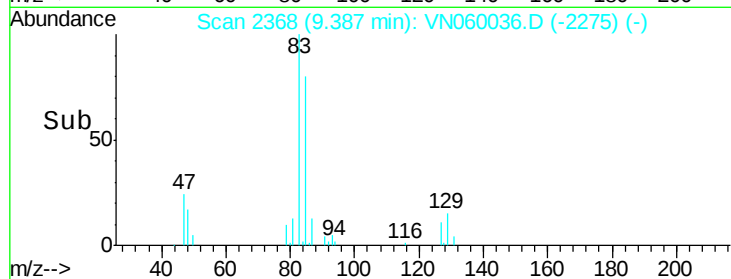
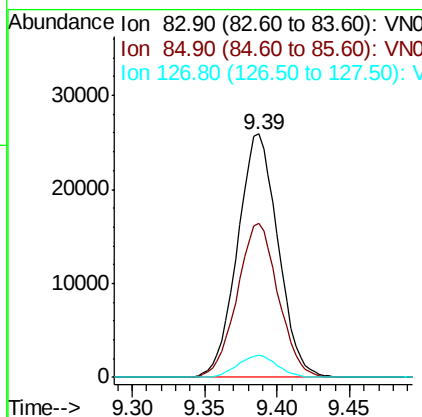
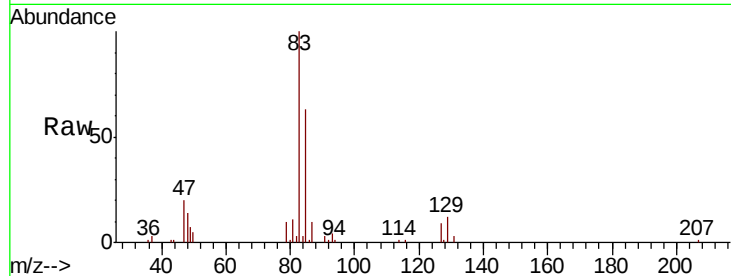
#47
Bromodichloromethane
Concen: 20.010 ug/l
RT: 9.39 min Scan# 2368
Delta R.T. 0.00 min
Lab File: VN060036.D
Acq: 10 Feb 2020 11:11

Instrument :
MSVOA_N
ClientSampled :
VN0210WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
85	63.2	51.1	76.7
127	9.0	6.6	9.8

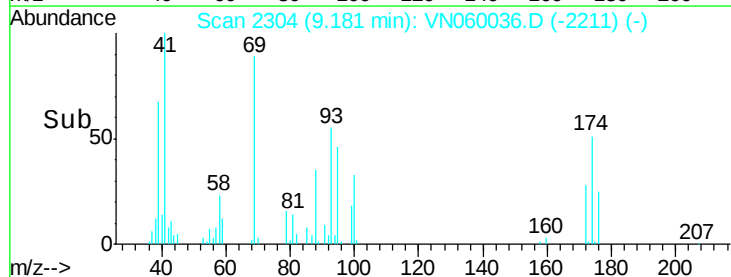
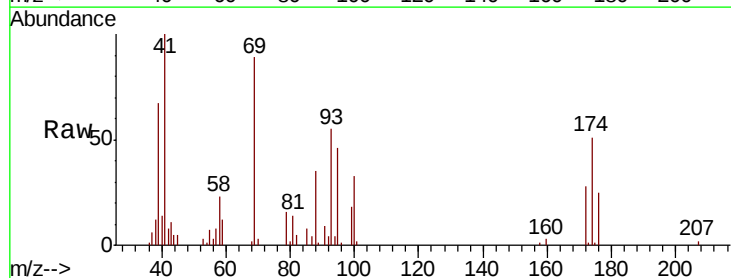
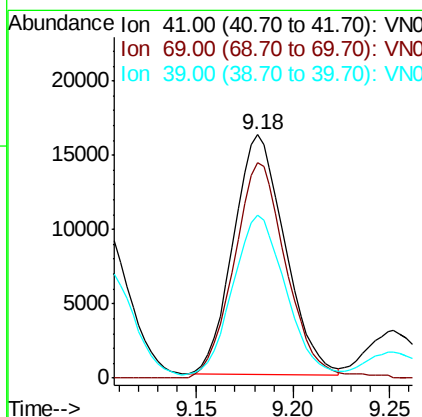
Manual Integrations
APPROVED

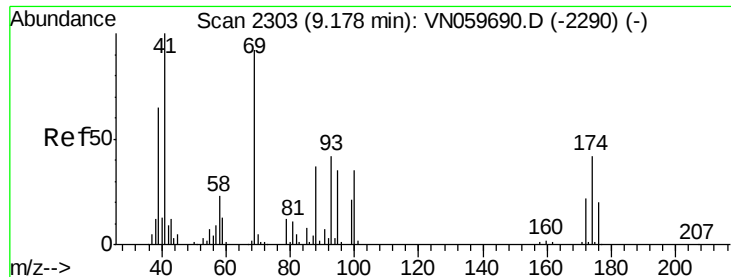
MMDadoda
2/11/2020 11:04:03 AM



#48
Methyl methacrylate
Concen: 17.309 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. 0.00 min
Lab File: VN060036.D
Acq: 10 Feb 2020 11:11

Tgt Ion	Ratio	Lower	Upper
41	100		
69	91.2	64.4	96.6
39	70.5	51.3	76.9





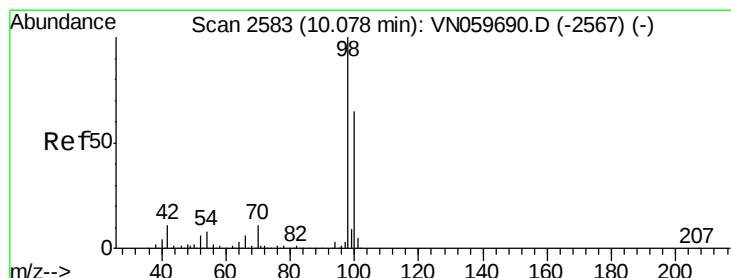
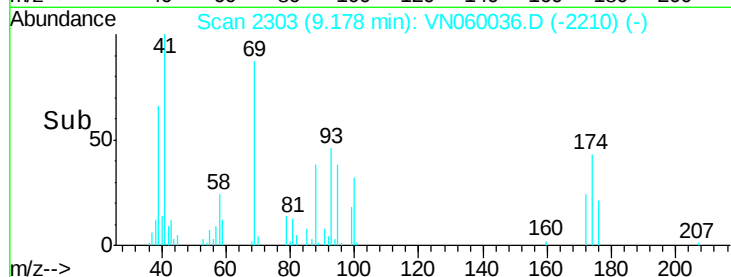
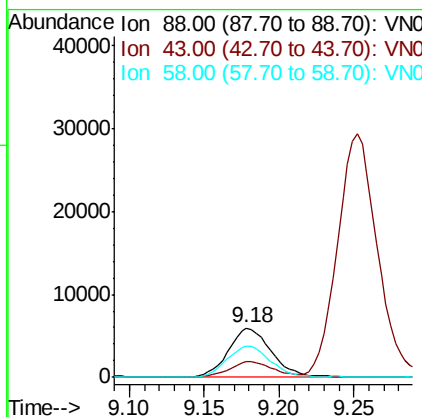
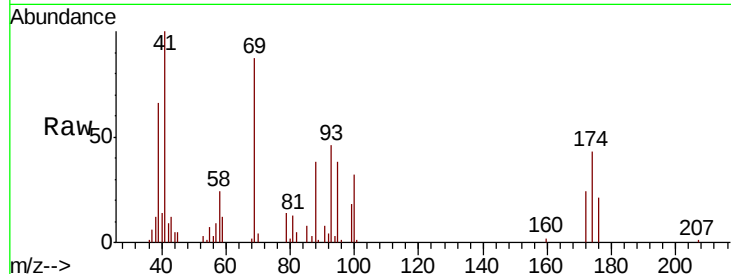
#49
1,4-Dioxane
Concen: 376.631 ug/l
RT: 9.18 min Scan# 2303
Delta R.T. 0.00 min
Lab File: VN060036.D
Acq: 10 Feb 2020 11:11

Instrument :
MSVOA_N
ClientSampleId :
VN0210WBS01

Tot Ion	88	Resp	11943
Ion	Ratio	Lower	Upper
88	100		
43	32.8	29.7	44.5
58	63.8	56.6	85.0

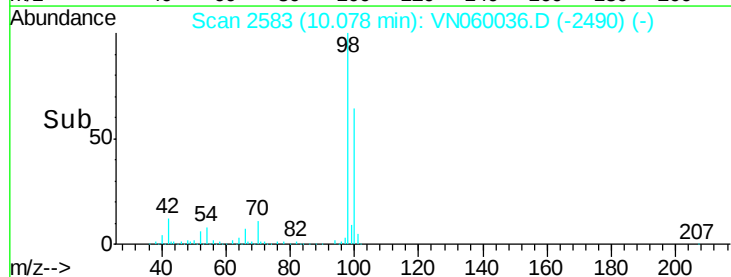
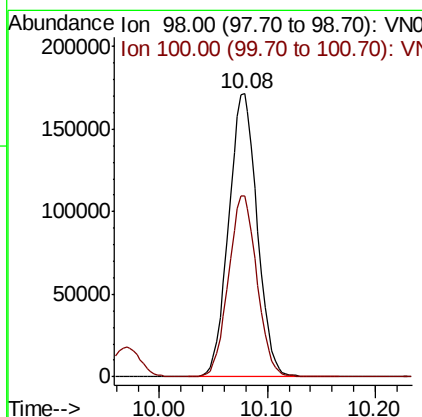
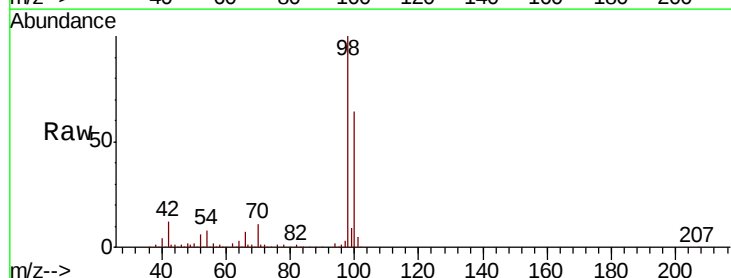
Manual Integrations
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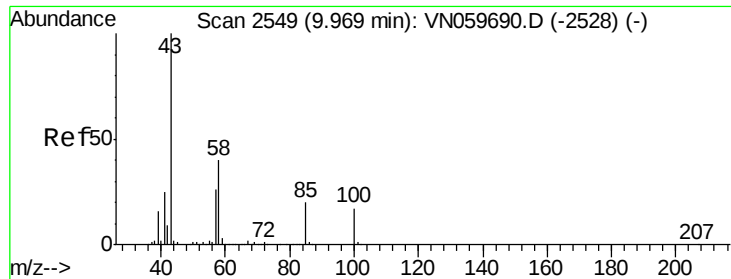
MMDadoda
2/11/2020 11:04:03 AM



#50
Toluene-d8
Concen: 49.636 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. 0.00 min
Lab File: VN060036.D
Acq: 10 Feb 2020 11:11

Tgt Ion	98	Resp	316130
Ion	Ratio	Lower	Upper
98	100		
100	63.9	51.2	76.8





#51

4-Methyl-2-Pentanone

Concen: 93.598 ug/l

RT: 9.97 min Scan# 2549

Delta R.T. 0.00 min

Lab File: VN060036.D

Acq: 10 Feb 2020 11:11

Instrument :

MSVOA_N

ClientSampleId :

VN0210WBS01

Tot Ion: 43 Resp: 209528

Ion Ratio Lower Upper

43 100

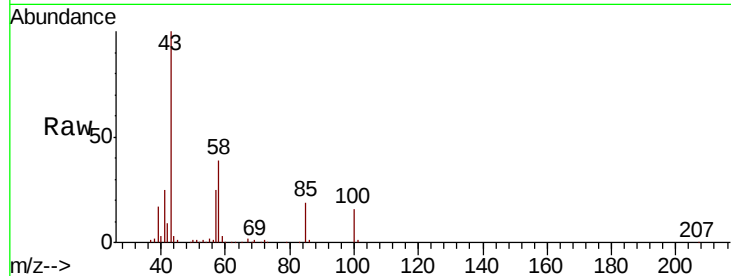
58 39.4 29.8 44.8

Manual Integrations

APPROVED

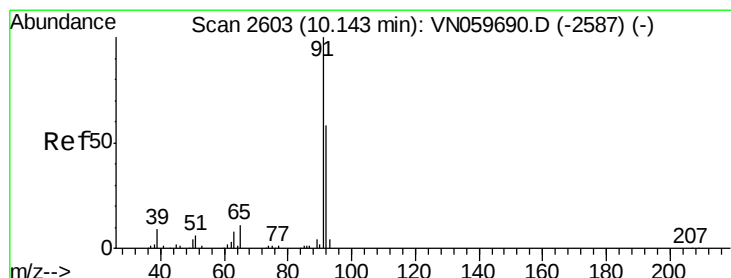
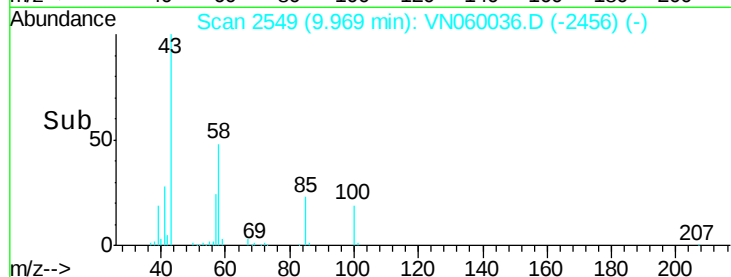
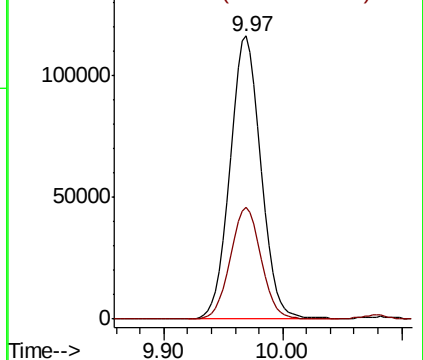
MMDadoda

2/11/2020 11:04:03 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 18.637 ug/l

RT: 10.14 min Scan# 2603

Delta R.T. 0.00 min

Lab File: VN060036.D

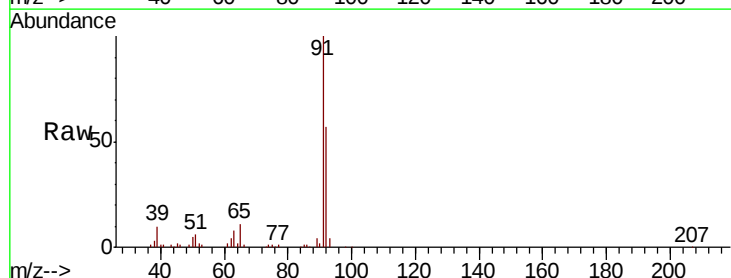
Acq: 10 Feb 2020 11:11

Tgt Ion: 92 Resp: 84277

Ion Ratio Lower Upper

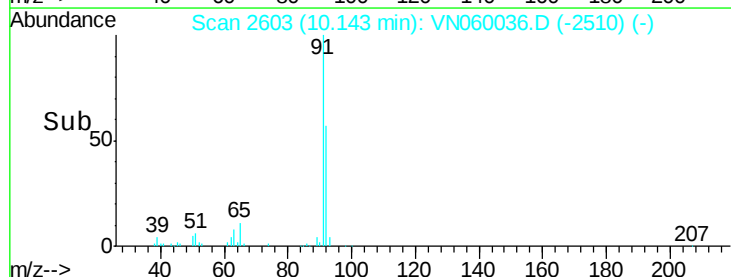
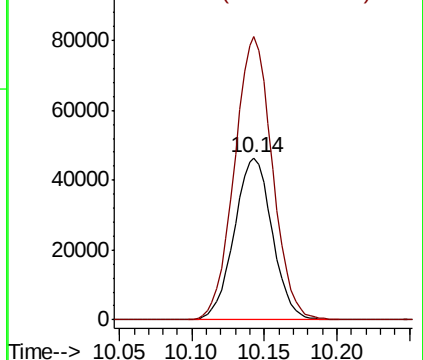
92 100

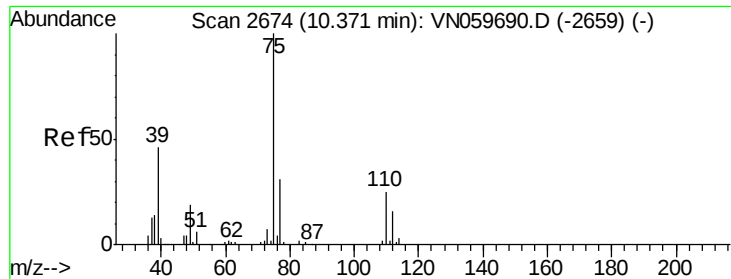
91 174.9 140.4 210.6



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





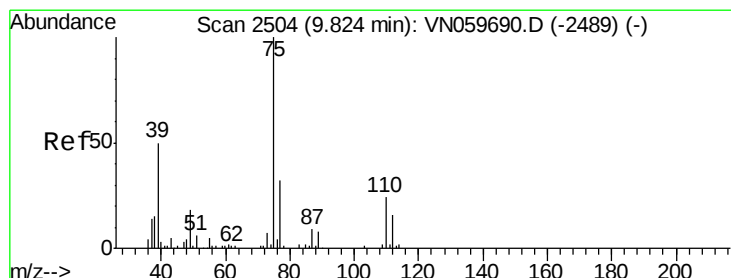
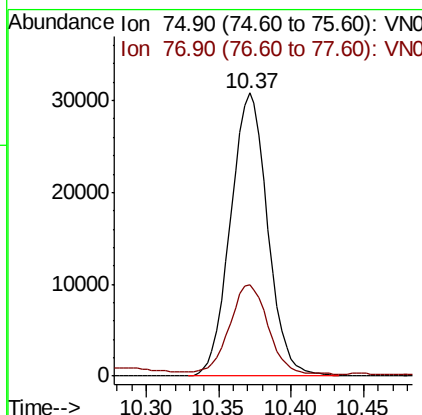
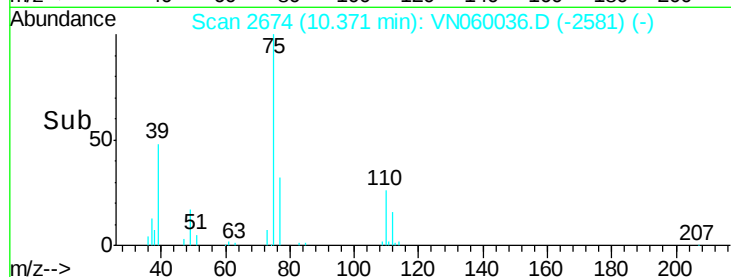
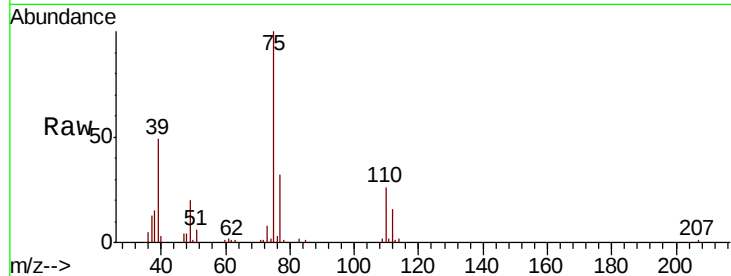
#53
t-1,3-Dichloropropene
Concen: 19.463 ug/l
RT: 10.37 min Scan# 2674
Delta R.T. 0.00 min
Lab File: VN060036.D
Acq: 10 Feb 2020 11:11

Instrument :
MSVOA_N
ClientSampled :
VN0210WBS01

Tot Ion: 75 Resp: 54726
Ion Ratio Lower Upper
75 100
77 31.5 25.4 38.2

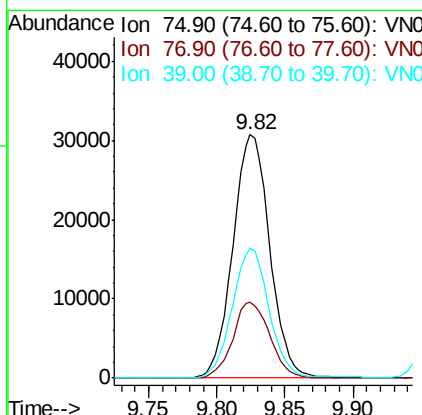
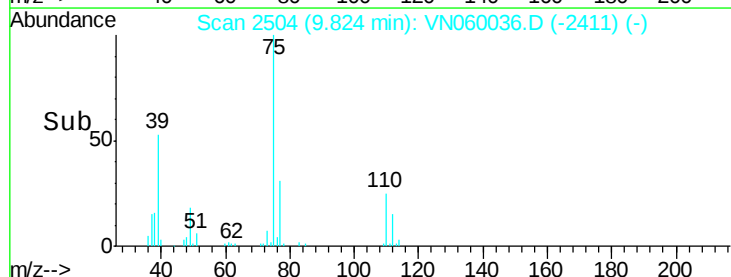
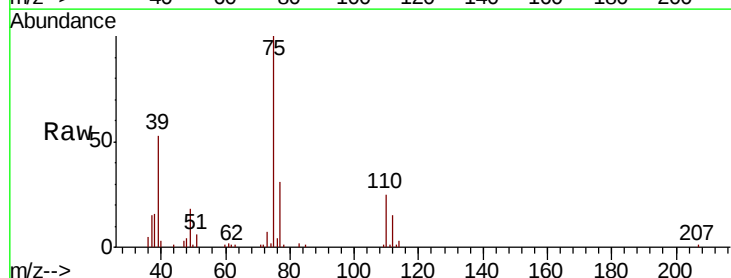
Manual Integrations
APPROVED

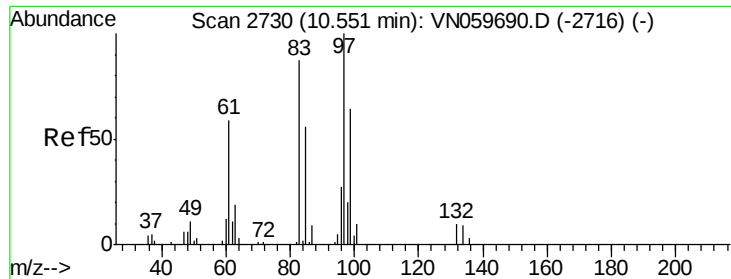
MMDadoda
2/11/2020 11:04:03 AM



#54
cis-1,3-Dichloropropene
Concen: 19.478 ug/l
RT: 9.82 min Scan# 2504
Delta R.T. 0.00 min
Lab File: VN060036.D
Acq: 10 Feb 2020 11:11

Tgt Ion: 75 Resp: 57626
Ion Ratio Lower Upper
75 100
77 31.1 25.1 37.7
39 53.1 46.1 69.1





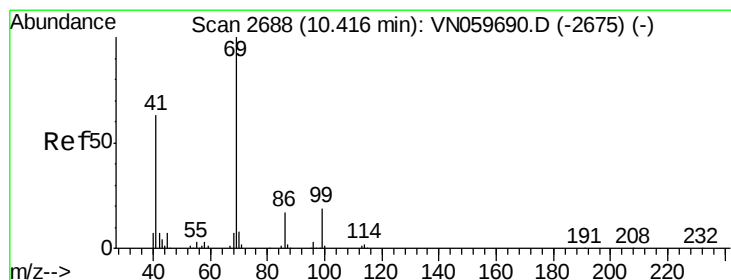
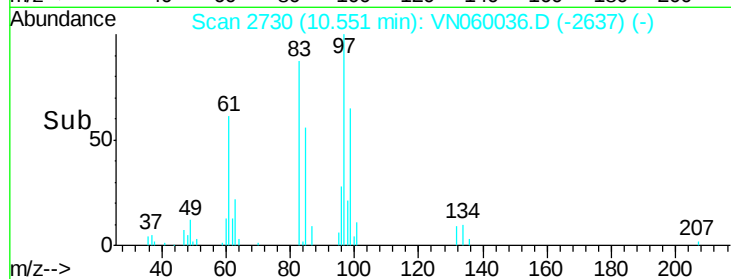
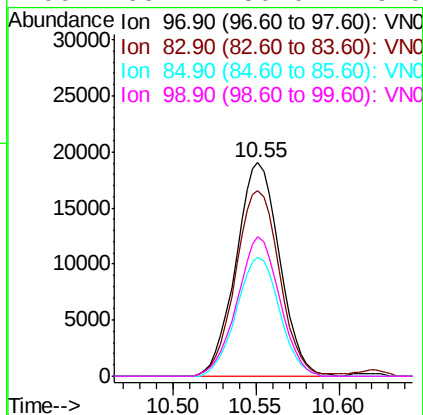
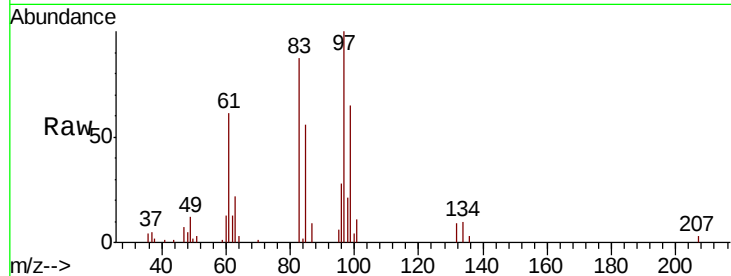
#55
 1,1,2-Trichloroethane
 Concen: 19.444 ug/l
 RT: 10.55 min Scan# 2730
 Delta R.T. 0.00 min
 Lab File: VN060036.D
 Acq: 10 Feb 2020 11:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0210WBS01

Tot Ion:	97	Resp:	34823
Ion	Ratio	Lower	Upper
97	100		
83	86.9	71.3	106.9
85	55.7	45.8	68.8
99	65.4	50.0	75.0

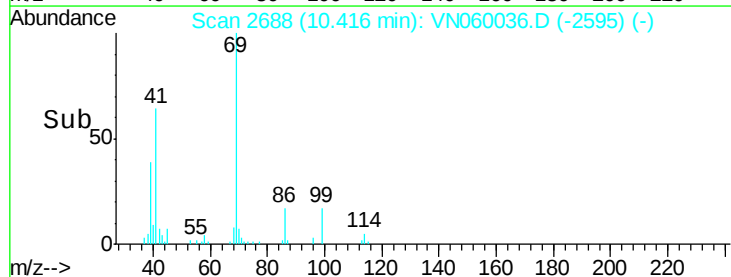
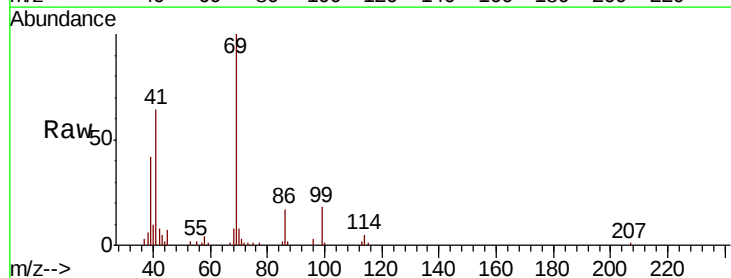
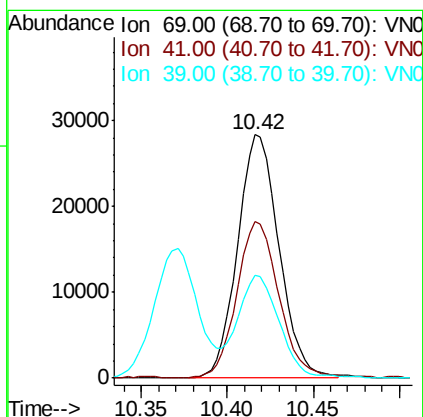
Manual Integrations
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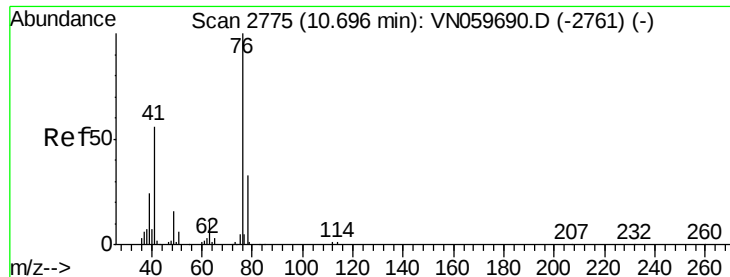
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 2/11/2020 11:04:03 AM



#56
 Ethyl methacrylate
 Concen: 17.341 ug/l
 RT: 10.42 min Scan# 2688
 Delta R.T. 0.00 min
 Lab File: VN060036.D
 Acq: 10 Feb 2020 11:11

Tgt Ion:	69	Resp:	47455
Ion	Ratio	Lower	Upper
69	100		
41	65.8	57.1	85.7
39	42.4	34.7	52.1





#57

1,3-Dichloropropane

Concen: 19.792 ug/l

RT: 10.70 min Scan# 2775

Delta R.T. 0.00 min

Lab File: VN060036.D

Acq: 10 Feb 2020 11:11

Instrument :

MSVOA_N

ClientSampleId :

VN0210WBS01

Tot Ion: 76 Resp: 56275

Ion Ratio Lower Upper

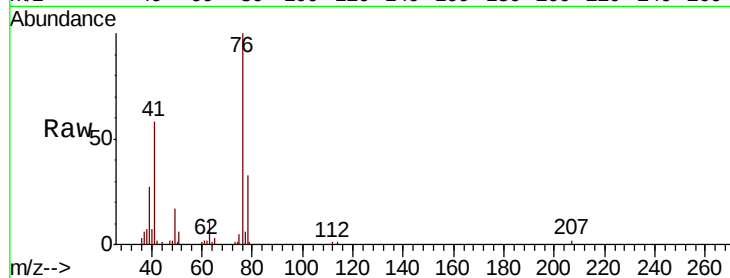
76 100

78 32.5 25.8 38.8

Manual Integrations
APPROVED

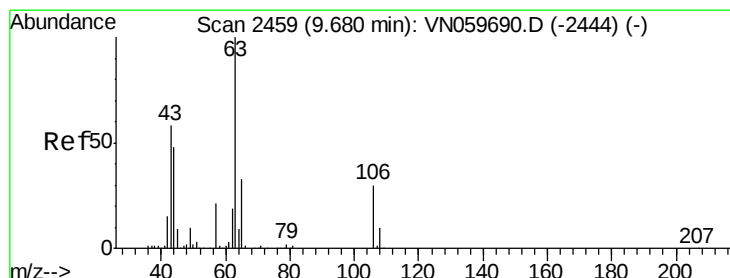
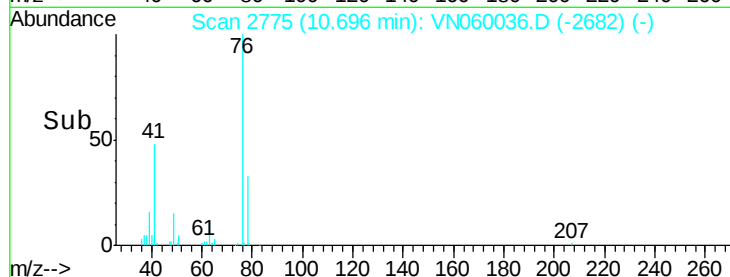
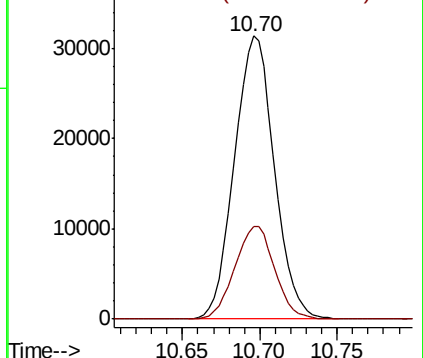
MMDadoda

2/11/2020 11:04:03 AM



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 102.483 ug/l

RT: 9.68 min Scan# 2459

Delta R.T. 0.00 min

Lab File: VN060036.D

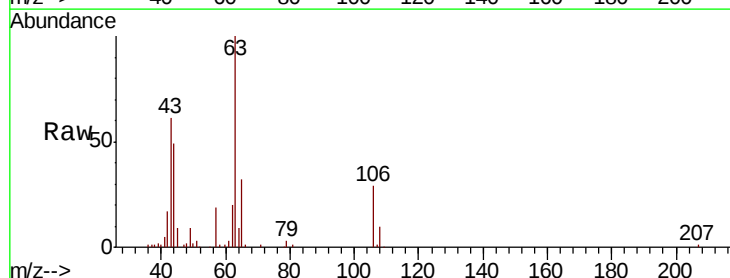
Acq: 10 Feb 2020 11:11

Tgt Ion: 63 Resp: 84474

Ion Ratio Lower Upper

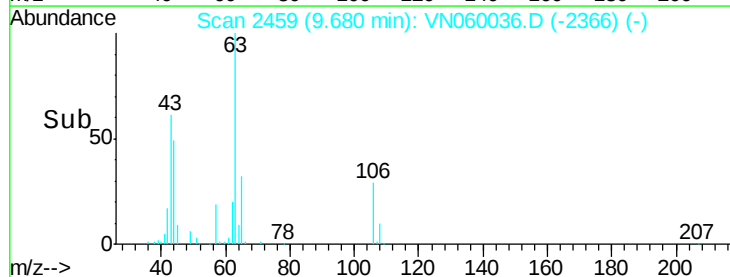
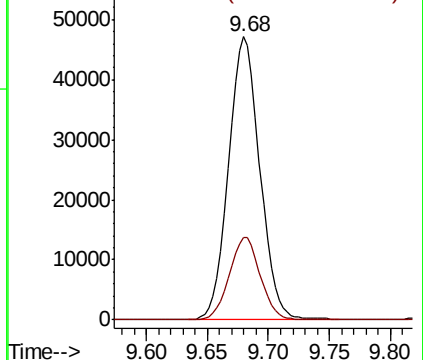
63 100

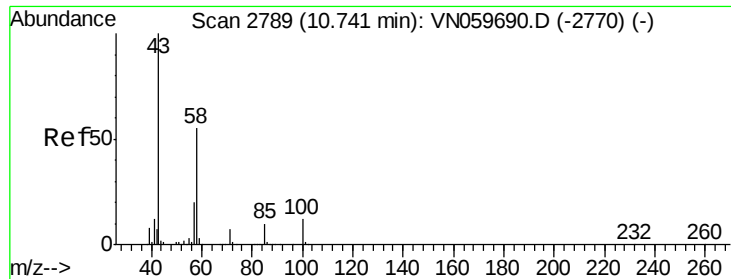
106 28.6 20.2 30.2



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V





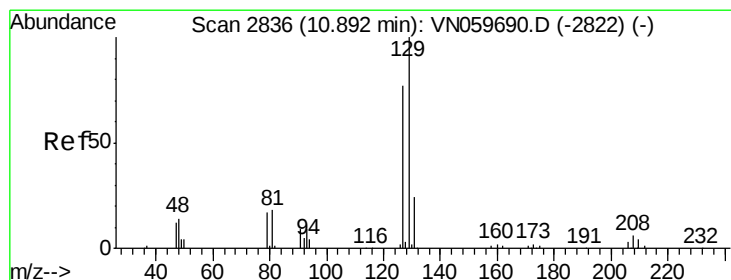
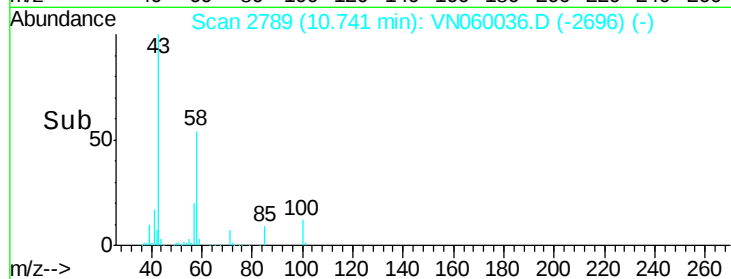
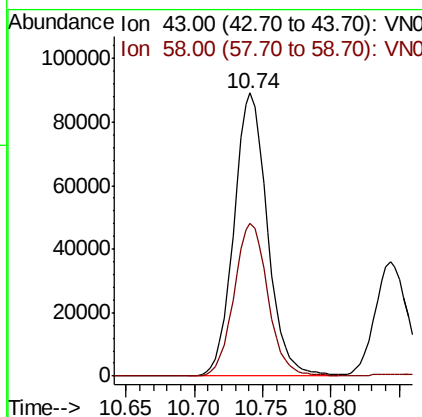
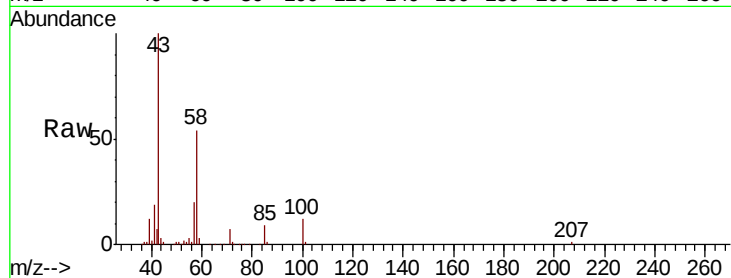
#59
2-Hexanone
Concen: 91.988 ug/l
RT: 10.74 min Scan# 2789
Delta R.T. 0.00 min
Lab File: VN060036.D
Acq: 10 Feb 2020 11:11

Instrument :
MSVOA_N
ClientSampleId :
VN0210WBS01

Tot Ion: 43 Resp: 151706
Ion Ratio Lower Upper
43 100
58 54.6 25.8 77.3

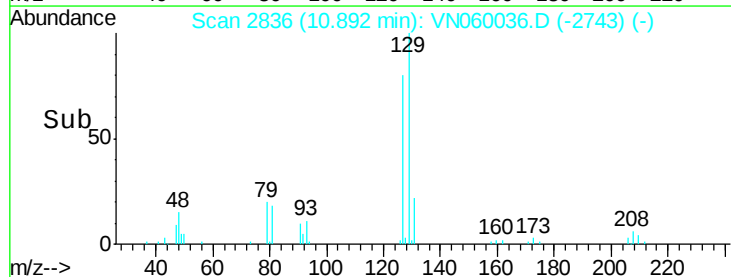
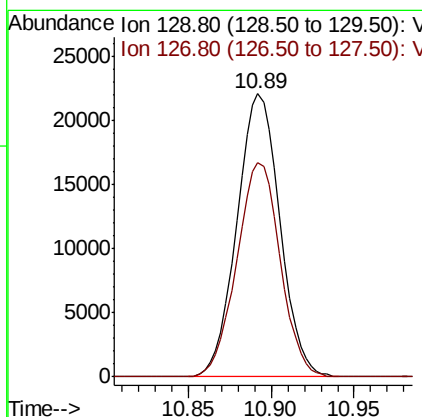
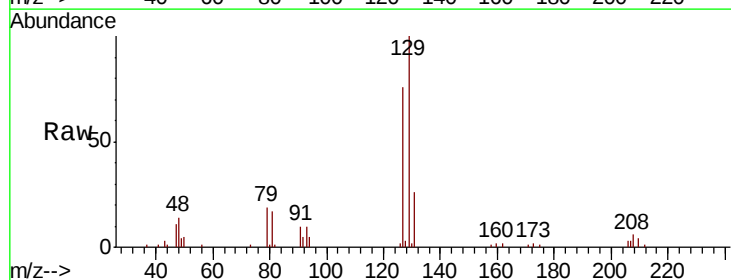
Manual Integrations
APPROVED

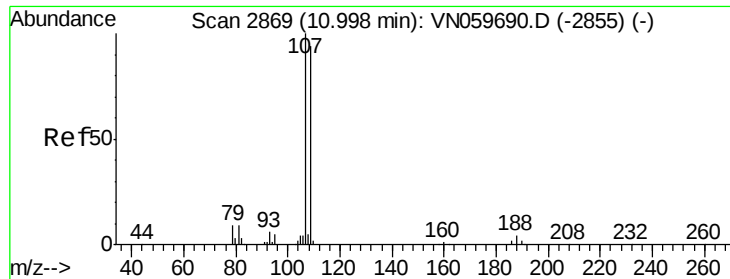
MMDadoda
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#60
Dibromochloromethane
Concen: 19.518 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. 0.00 min
Lab File: VN060036.D
Acq: 10 Feb 2020 11:11

Tgt Ion: 129 Resp: 39807
Ion Ratio Lower Upper
129 100
127 76.4 38.5 115.5





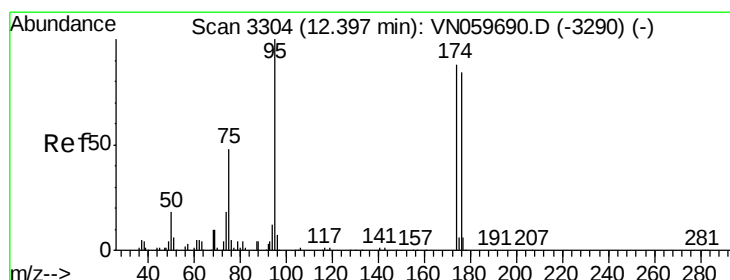
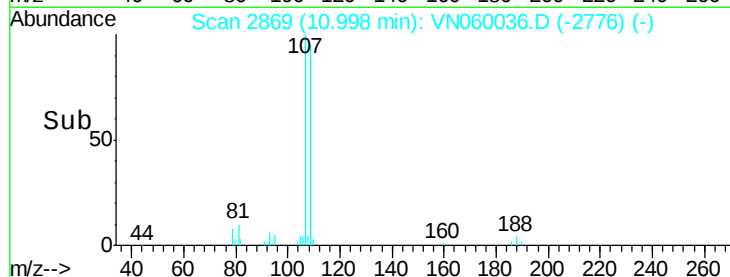
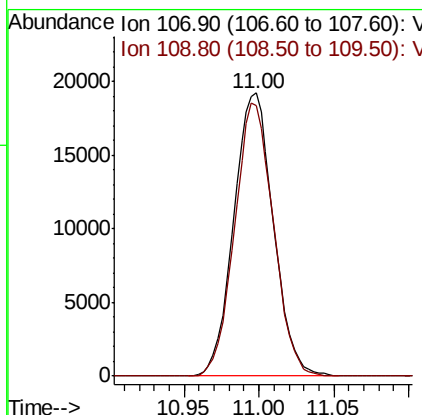
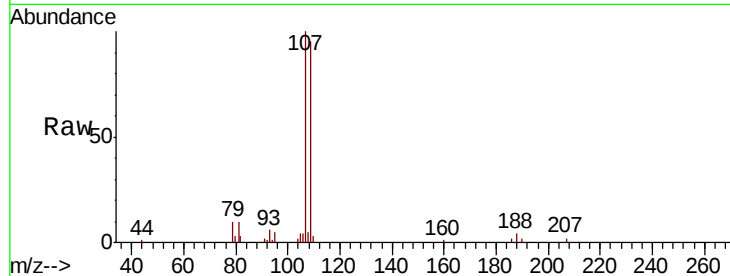
#61
 1,2-Dibromoethane
 Concen: 18.846 ug/l
 RT: 11.00 min Scan# 2869
 Delta R.T. 0.00 min
 Lab File: VN060036.D
 Acq: 10 Feb 2020 11:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0210WBS01

Tot Ion: 107 Resp: 35377
 Ion Ratio Lower Upper
 107 100
 109 94.2 76.6 115.0

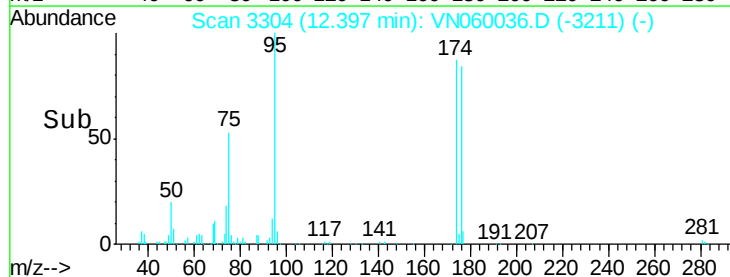
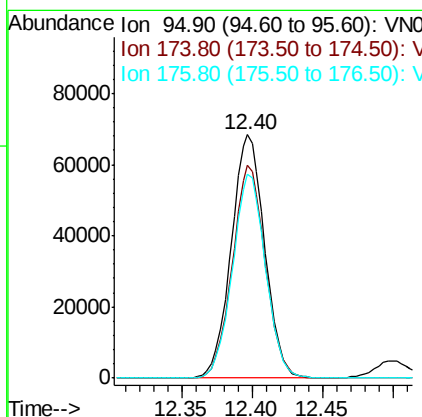
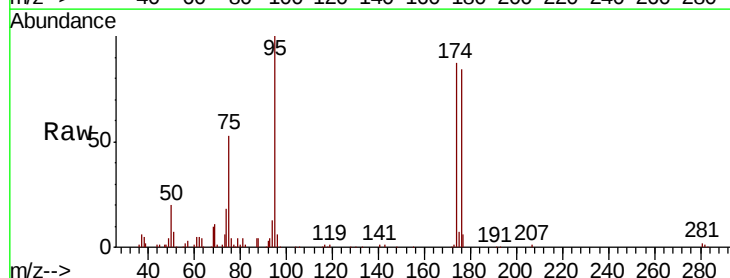
Manual Integrations
 APPROVED

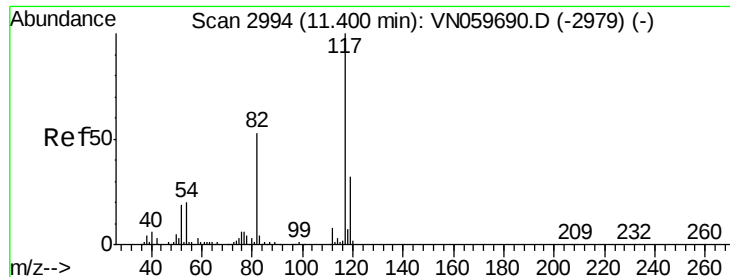
MMDadoda
 2/11/2020 11:04:03 AM



#62
 4-Bromofluorobenzene
 Concen: 49.314 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. 0.00 min
 Lab File: VN060036.D
 Acq: 10 Feb 2020 11:11

Tgt Ion: 95 Resp: 113226
 Ion Ratio Lower Upper
 95 100
 174 86.1 0.0 151.4
 176 82.8 0.0 146.0





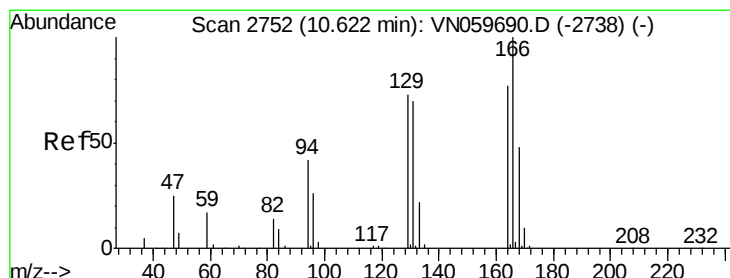
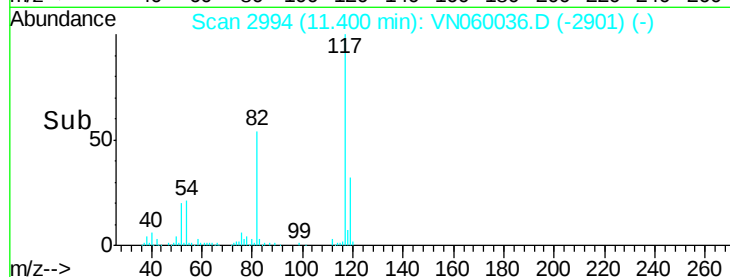
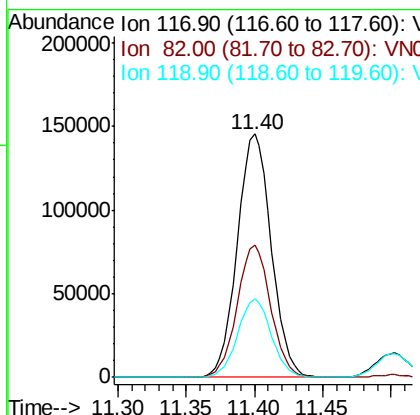
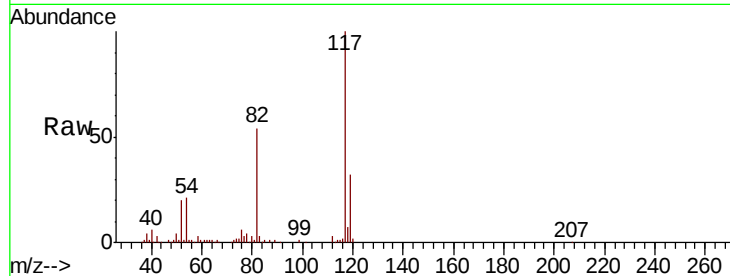
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN060036.D
Acq: 10 Feb 2020 11:11

Instrument :
MSVOA_N
ClientSampleId :
VN0210WBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	251420		
82	54.1		45.9	68.9
119	32.2		25.5	38.3

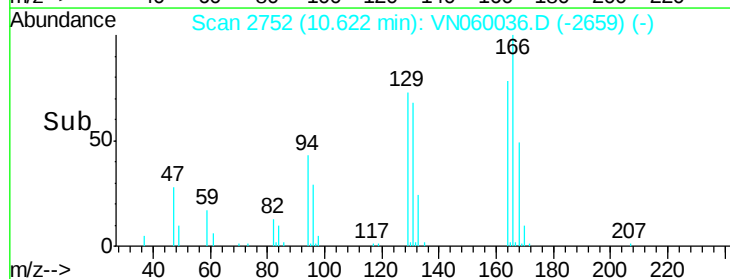
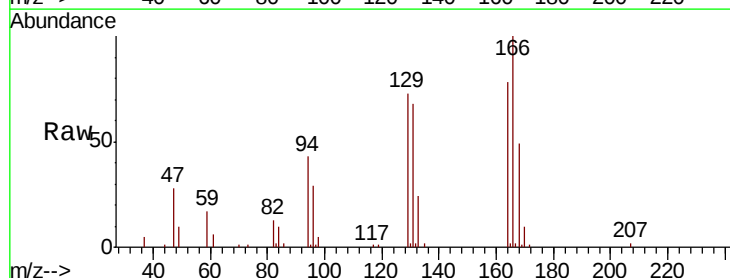
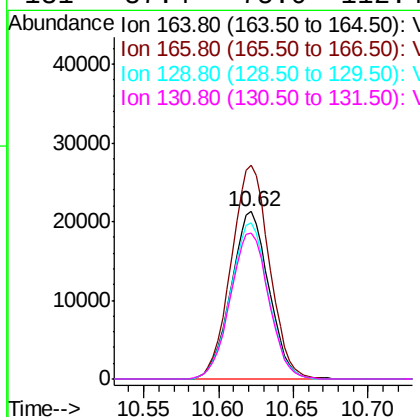
Manual Integrations
APPROVED

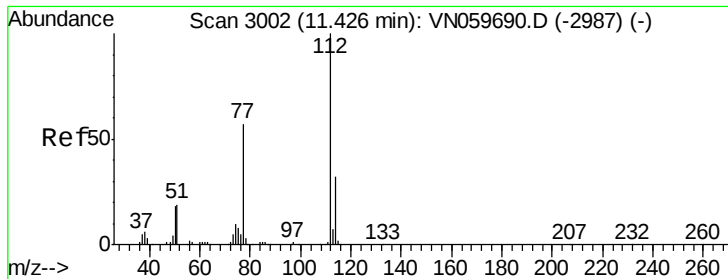
MMDadoda
2/11/2020 11:04:03 AM



#64
Tetrachloroethene
Concen: 18.260 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. 0.00 min
Lab File: VN060036.D
Acq: 10 Feb 2020 11:11

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	37416		
166	127.7		101.4	152.0
129	93.2		80.2	120.4
131	87.4		75.0	112.4





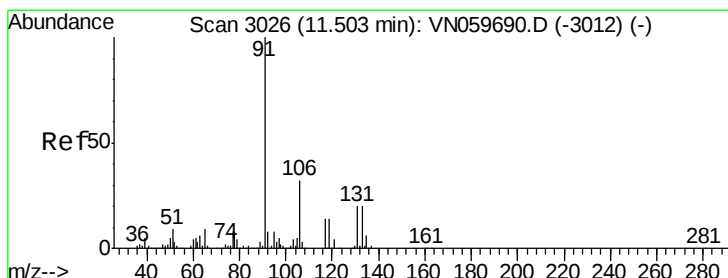
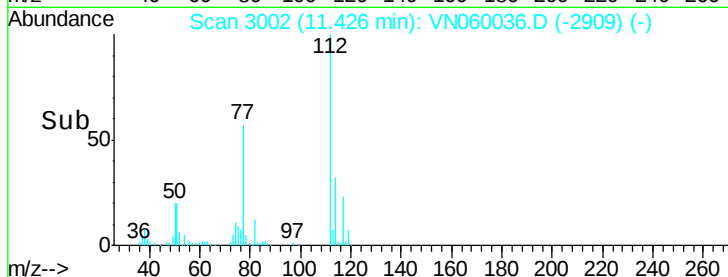
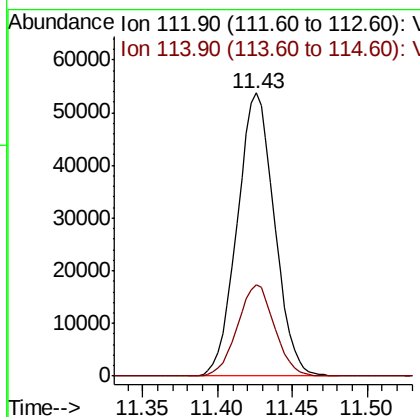
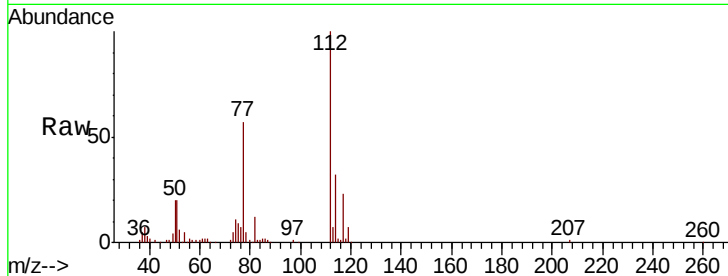
#65
Chlorobenzene
Concen: 18.864 ug/l
RT: 11.43 min Scan# 3002
Delta R.T. 0.00 min
Lab File: VN060036.D
Acq: 10 Feb 2020 11:11

Instrument :
MSVOA_N
ClientSampleId :
VN0210WBS01

Tot Ion:112 Resp: 93222
Ion Ratio Lower Upper
112 100
114 32.4 25.8 38.8

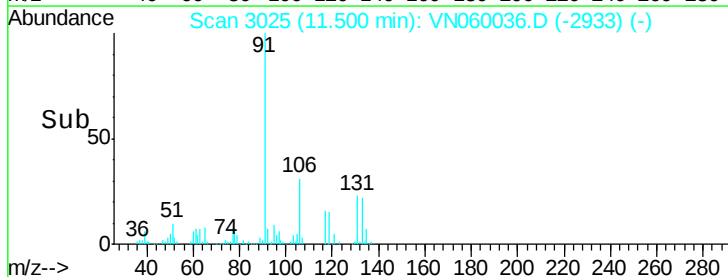
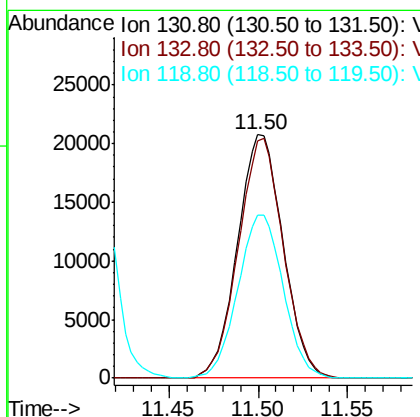
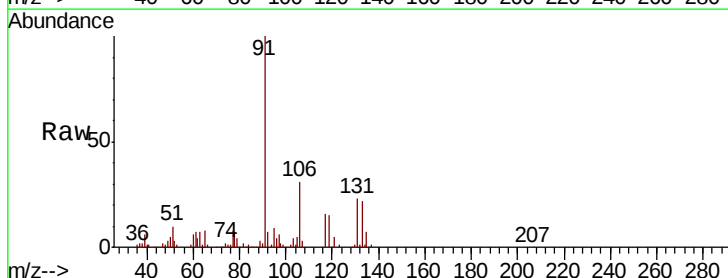
Manual Integrations
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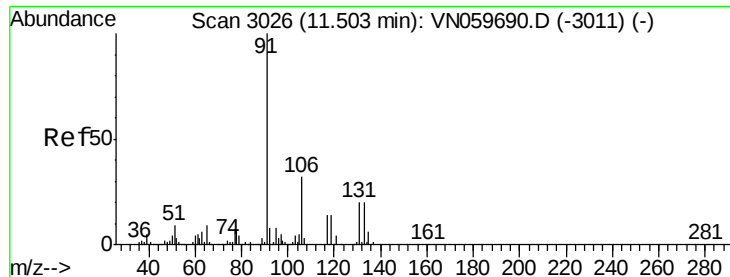
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.355 ug/l
RT: 11.50 min Scan# 3025
Delta R.T. -0.00 min
Lab File: VN060036.D
Acq: 10 Feb 2020 11:11

Tgt Ion:131 Resp: 36958
Ion Ratio Lower Upper
131 100
133 97.5 47.4 142.2
119 66.7 33.1 99.3





#67

Ethyl Benzene

Concen: 18.473 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. 0.00 min

Lab File: VN060036.D

Acq: 10 Feb 2020 11:11

Instrument :

MSVOA_N

ClientSampleId :

VN0210WBS01

Tot Ion: 91 Resp: 165720

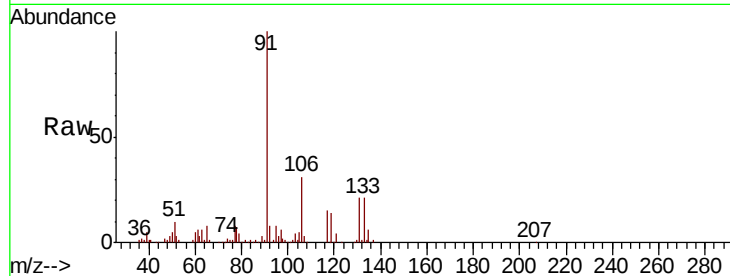
Ion Ratio Lower Upper

91 100

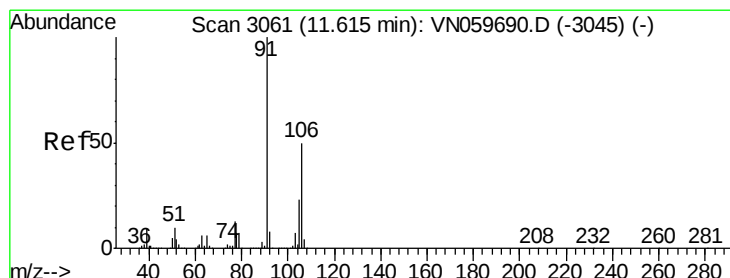
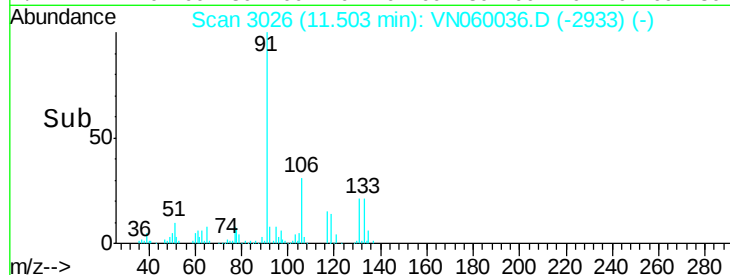
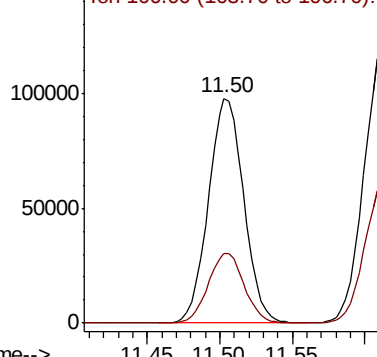
106 30.8 24.1 36.1

Manual Integrations
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MMDadoda
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Abundance Ion 91.00 (90.70 to 91.70): VN060036.D (-2933) (-)



#68

m/p-Xylenes

Concen: 36.420 ug/l

RT: 11.62 min Scan# 3061

Delta R.T. 0.00 min

Lab File: VN060036.D

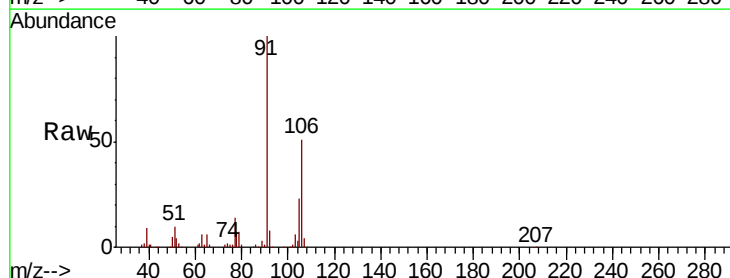
Acq: 10 Feb 2020 11:11

Tgt Ion: 106 Resp: 123415

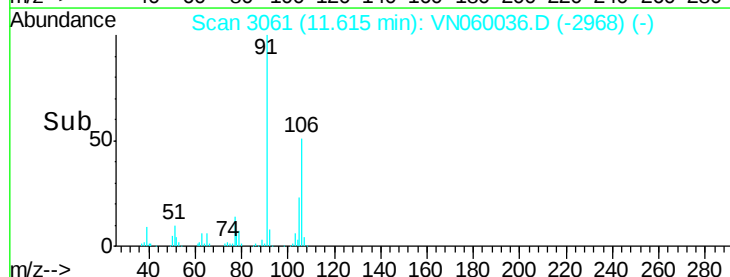
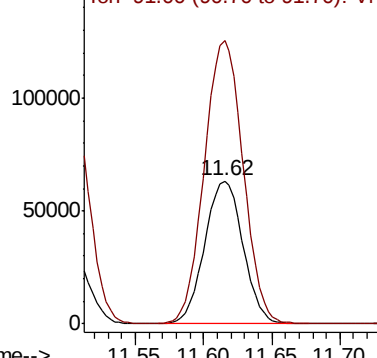
Ion Ratio Lower Upper

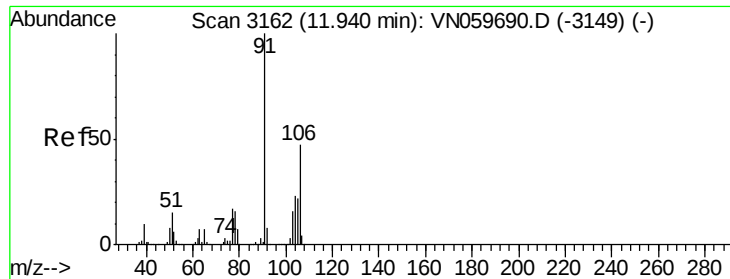
106 100

91 200.1 167.9 251.9



Abundance Ion 106.00 (105.70 to 106.70): VN060036.D (-2968) (-)





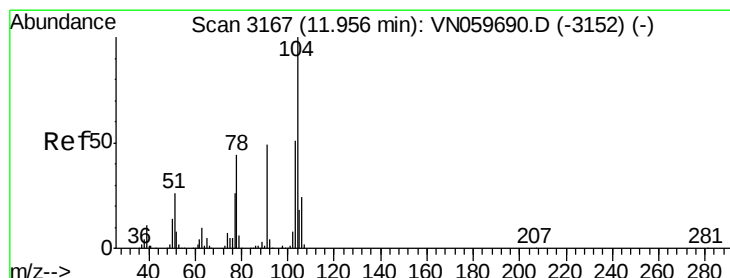
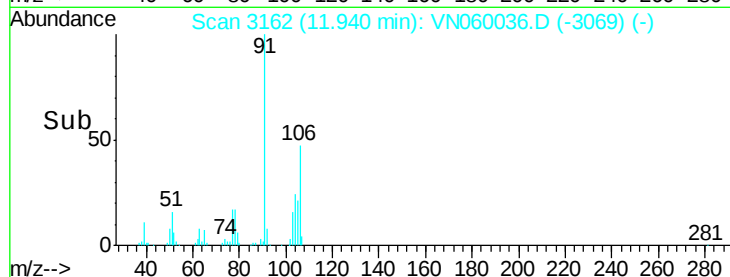
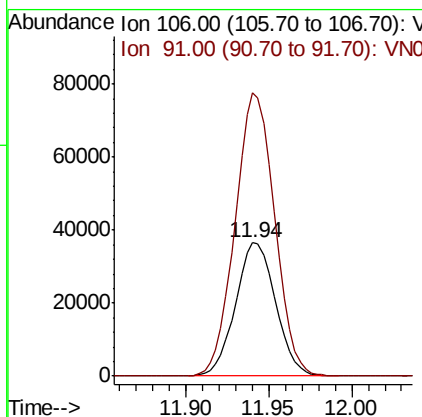
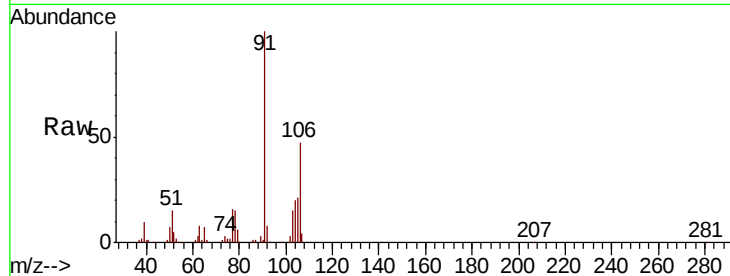
#69
o-Xylene
Concen: 18.508 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. 0.00 min
Lab File: VN060036.D
Acq: 10 Feb 2020 11:11

Instrument :
MSVOA_N
ClientSampled :
VN0210WBS01

Tot Ion:106 Resp: 61402
Ion Ratio Lower Upper
106 100
91 210.0 110.3 330.9

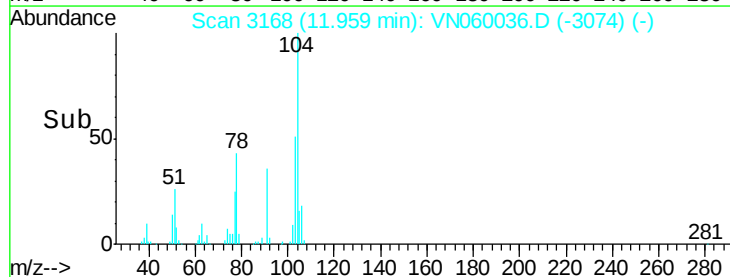
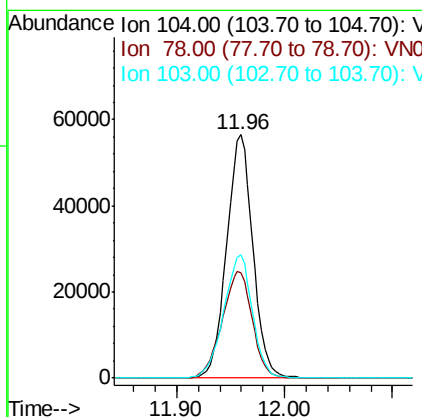
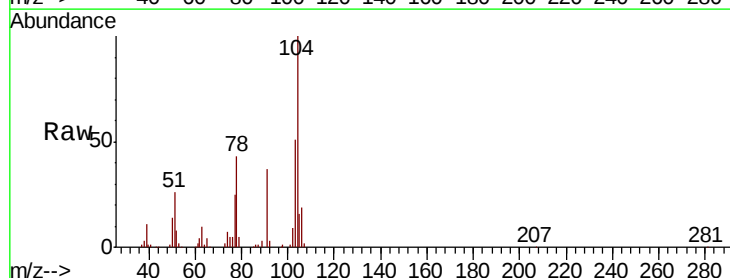
Manual Integrations
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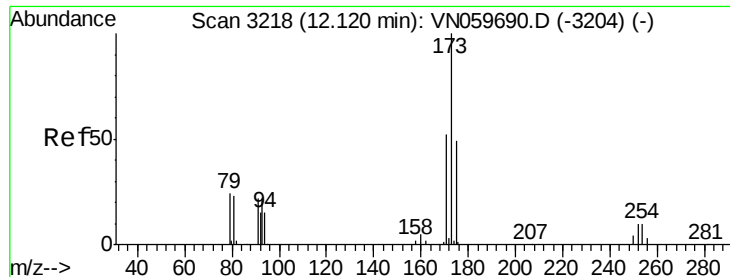
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#70
Styrene
Concen: 17.345 ug/l
RT: 11.96 min Scan# 3168
Delta R.T. 0.00 min
Lab File: VN060036.D
Acq: 10 Feb 2020 11:11

Tgt Ion:104 Resp: 96289
Ion Ratio Lower Upper
104 100
78 50.0 42.4 63.6
103 54.7 43.9 65.9





#71

Bromoform

Concen: 18.591 ug/l

RT: 12.12 min Scan# 3218

Delta R.T. 0.00 min

Lab File: VN060036.D

Acq: 10 Feb 2020 11:11

Instrument :

MSVOA_N

ClientSampleId :

VN0210WBS01

Tot Ion:173 Resp: 28436

Ion Ratio Lower Upper

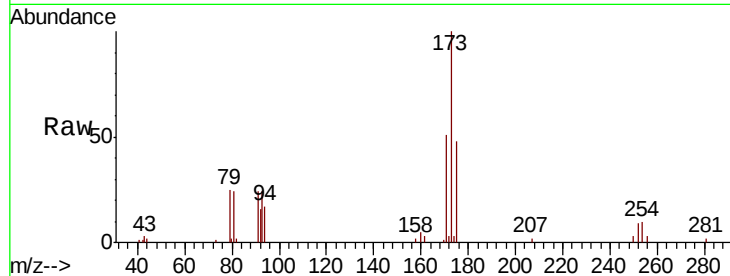
173 100

175 48.6 23.8 71.4

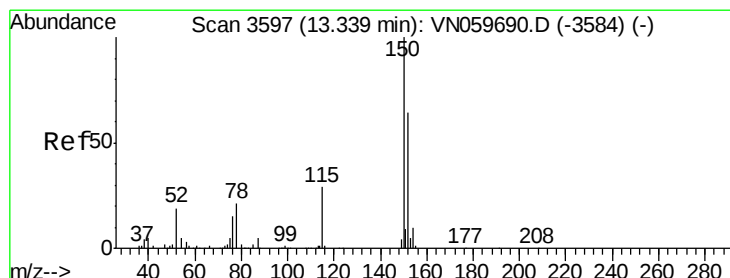
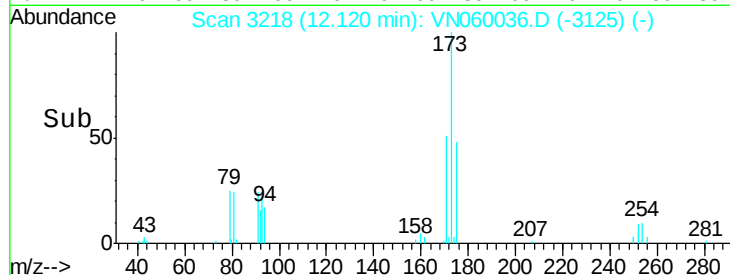
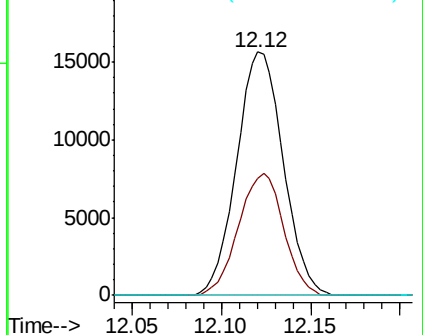
254 0.0 0.0 0.0

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3597

Delta R.T. 0.00 min

Lab File: VN060036.D

Acq: 10 Feb 2020 11:11

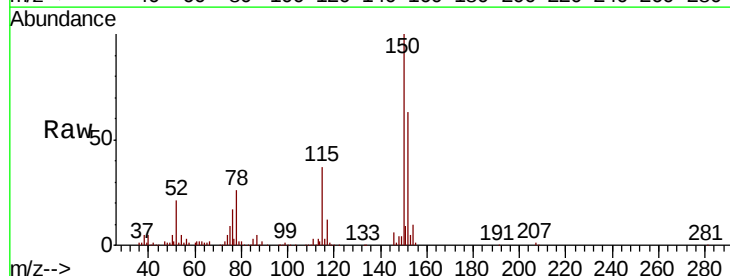
Tgt Ion:152 Resp: 118975

Ion Ratio Lower Upper

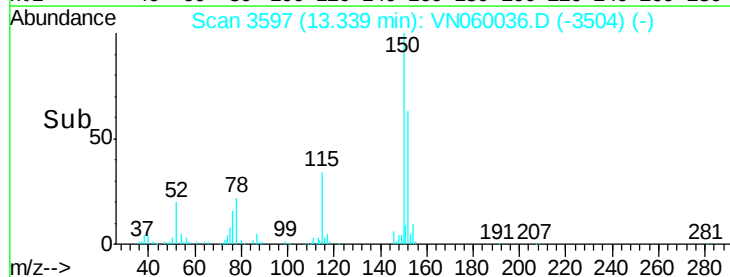
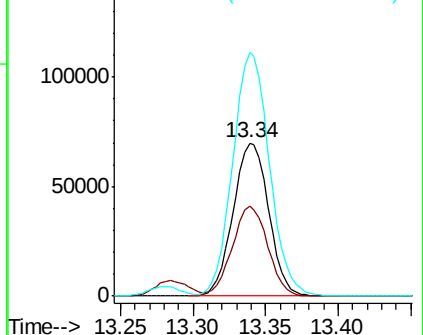
152 100

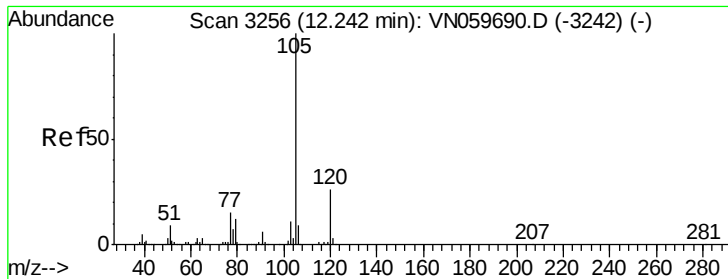
115 58.5 30.3 90.9

150 164.5 0.0 345.2



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





#73

Isopropylbenzene

Concen: 18.760 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. 0.00 min

Lab File: VN060036.D

Acq: 10 Feb 2020 11:11

Instrument :

MSVOA_N

ClientSampled :

VN0210WBS01

Tot Ion: 105 Resp: 163695

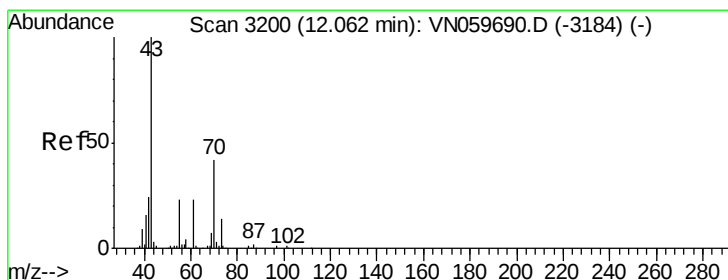
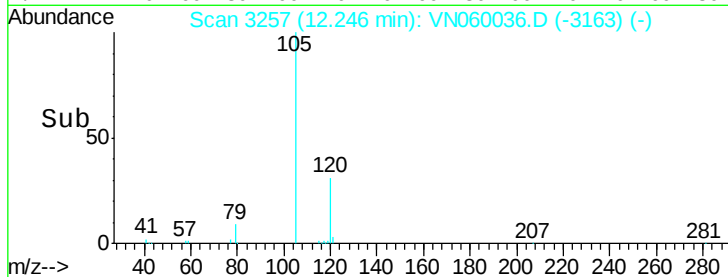
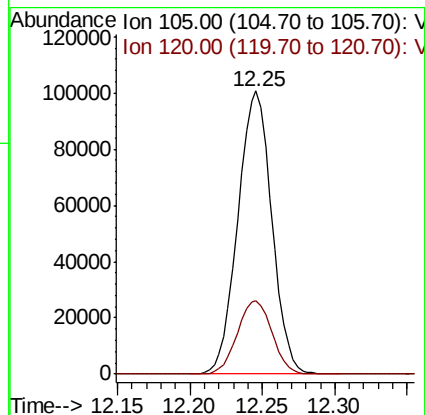
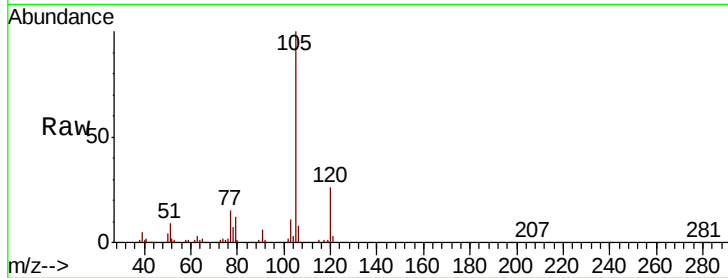
Ion Ratio Lower Upper

105 100

120 26.5 13.2 39.5

Manual Integrations
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2/11/2020 11:04:03 AM



#74

N-ethyl acetate

Concen: 17.376 ug/l

RT: 12.07 min Scan# 3201

Delta R.T. 0.00 min

Lab File: VN060036.D

Acq: 10 Feb 2020 11:11

Tgt Ion: 43 Resp: 58831

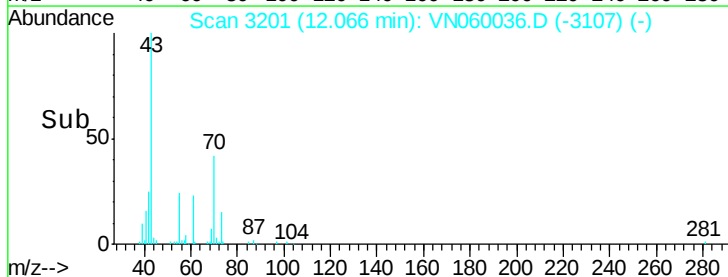
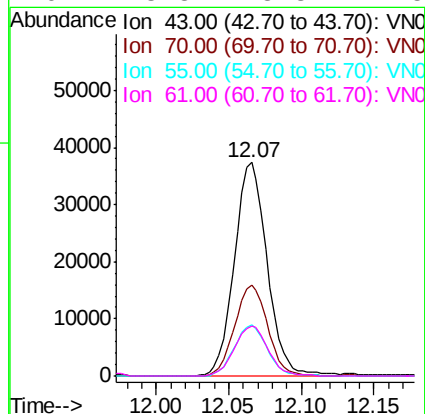
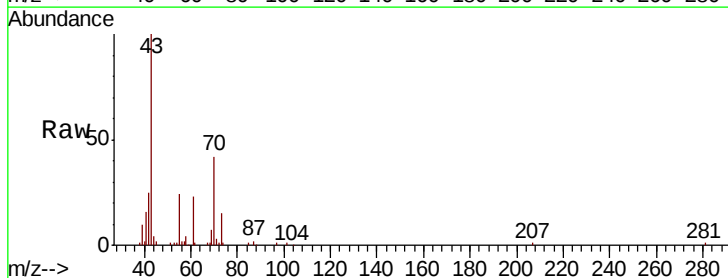
Ion Ratio Lower Upper

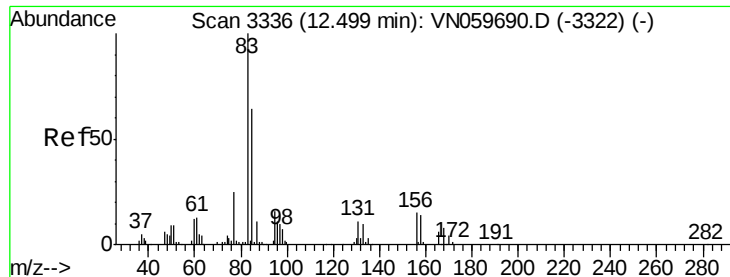
43 100

70 42.5 31.3 46.9

55 24.0 19.8 29.6

61 23.8 18.3 27.5





#75

1,1,2,2-Tetrachloroethane

Concen: 18.935 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN060036.D

Acq: 10 Feb 2020 11:11

Instrument :

MSVOA_N

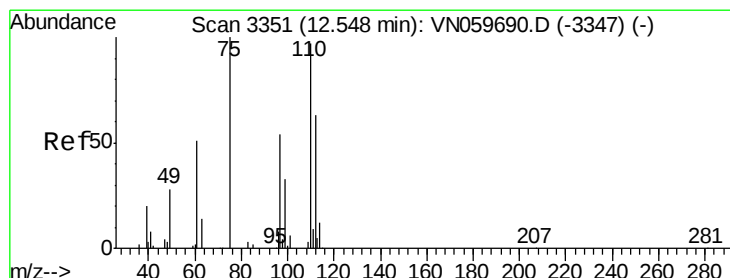
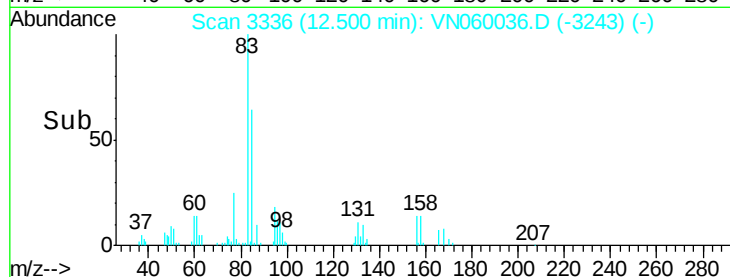
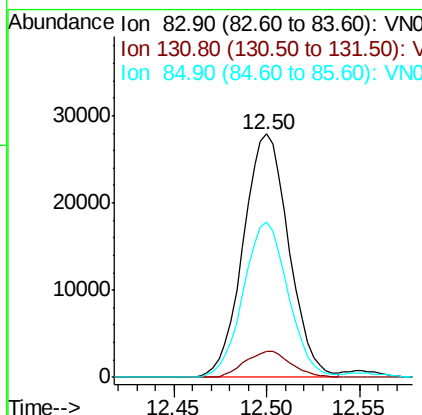
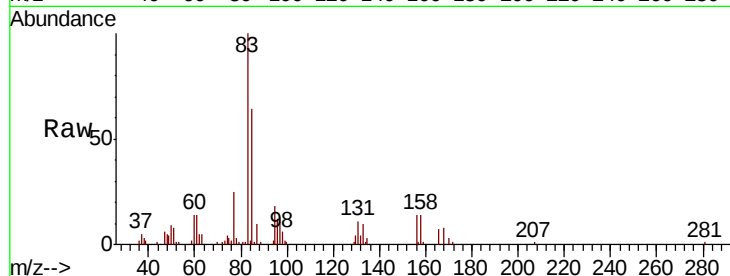
ClientSampleId :

VN0210WBS01

Tot Ion:	83	Resp:	47897
Ion Ratio	Lower	Upper	
83	100		
131	10.6	5.0	14.9
85	62.8	31.9	95.5

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#76

1,2,3-Trichloropropane

Concen: 22.811 ug/l m

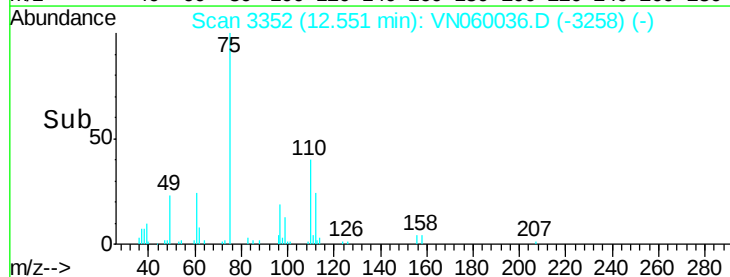
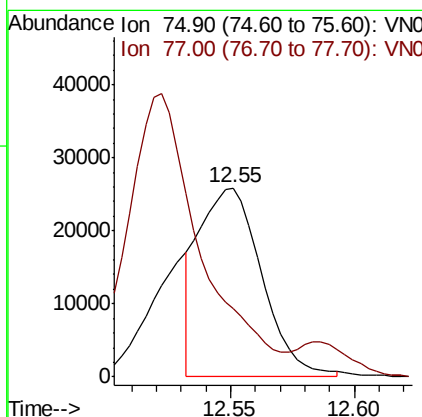
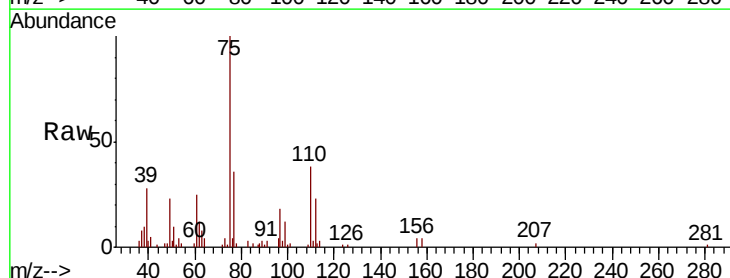
RT: 12.55 min Scan# 3352

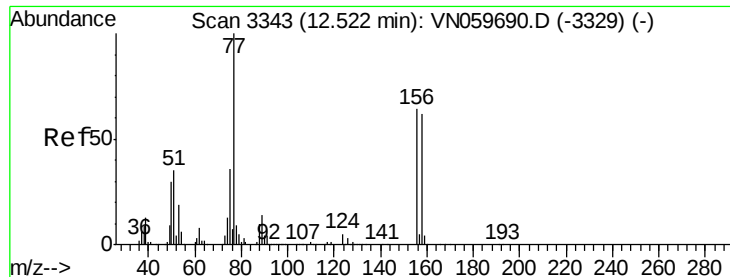
Delta R.T. 0.00 min

Lab File: VN060036.D

Acq: 10 Feb 2020 11:11

Tgt Ion:	75	Resp:	45673
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 18.511 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. 0.00 min

Lab File: VN060036.D

Acq: 10 Feb 2020 11:11

Instrument :

MSVOA_N

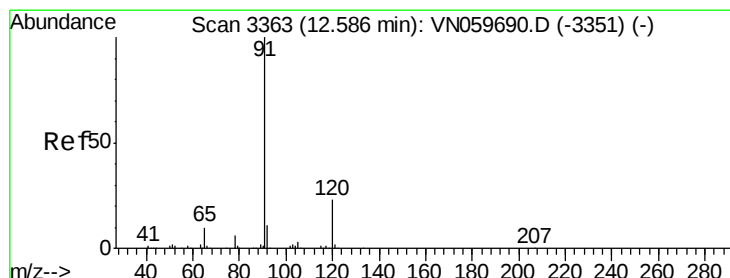
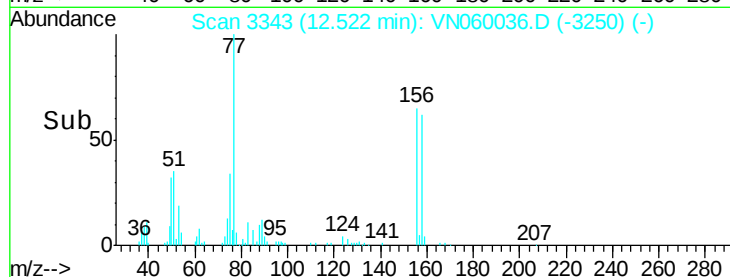
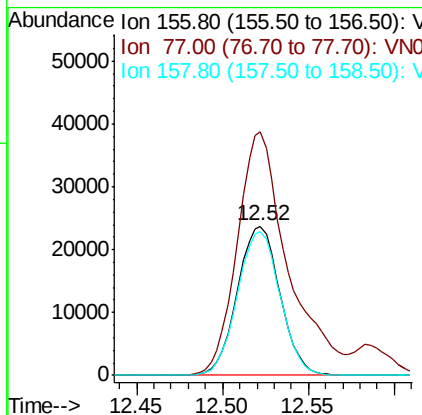
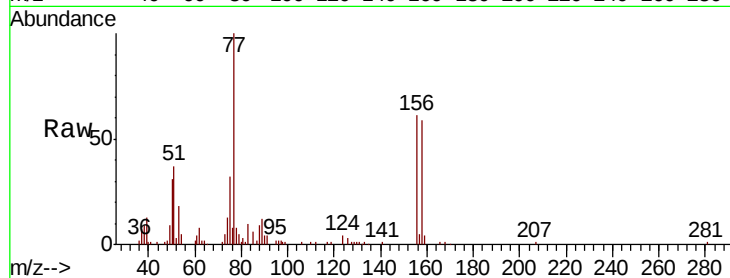
ClientSampleId :

VN0210WBS01

Tot Ion	156	Resp	40902
Ion Ratio	Lower	Upper	
156	100		
77	195.5	115.8	347.4
158	96.5	49.2	147.6

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#78

n-propylbenzene

Concen: 18.881 ug/l

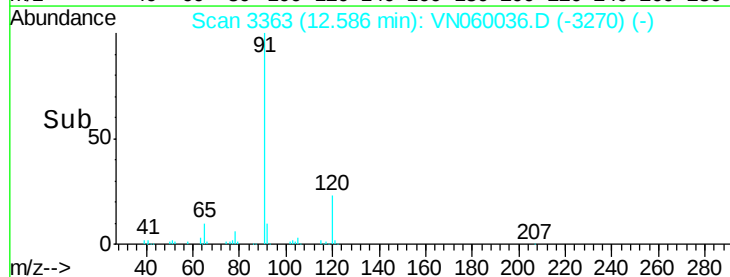
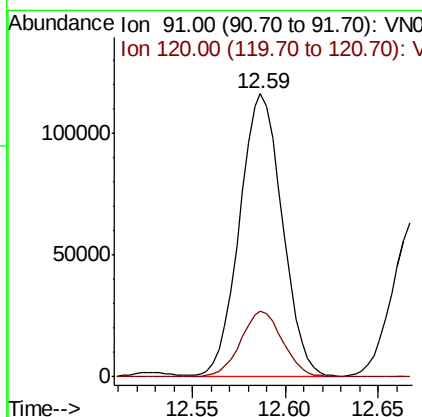
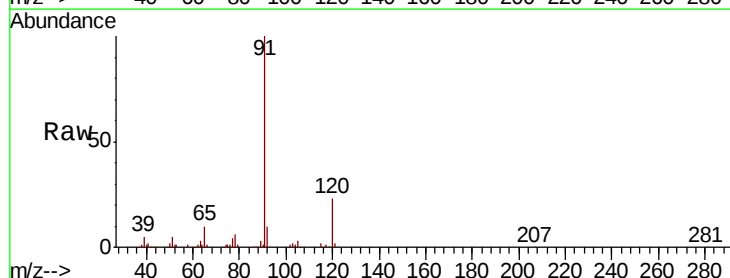
RT: 12.59 min Scan# 3363

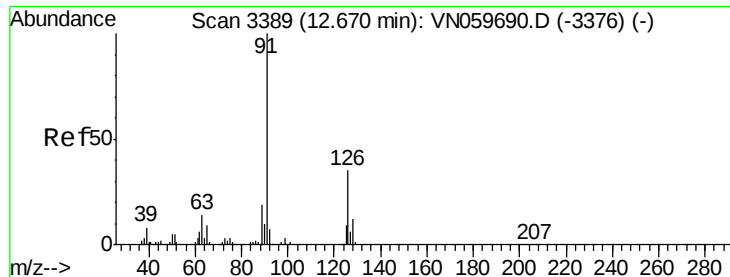
Delta R.T. 0.00 min

Lab File: VN060036.D

Acq: 10 Feb 2020 11:11

Tgt Ion	91	Resp	184914
Ion Ratio	Lower	Upper	
91	100		
120	22.8	11.1	33.3





#79

2-Chlorotoluene

Concen: 18.889 ug/l

RT: 12.67 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VN060036.D

Acq: 10 Feb 2020 11:11

Instrument :

MSVOA_N

ClientSampled :

VN0210WBS01

Tot Ion: 91 Resp: 110049

Ion Ratio Lower Upper

91 100

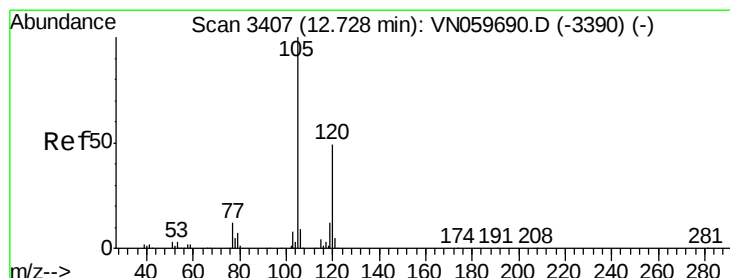
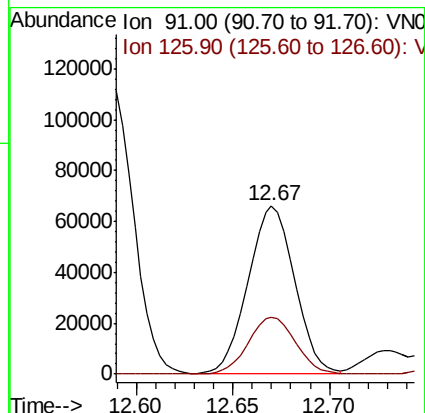
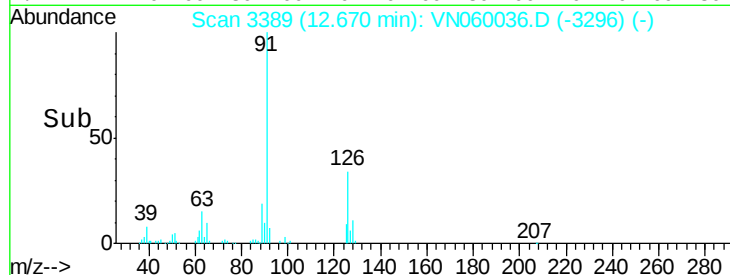
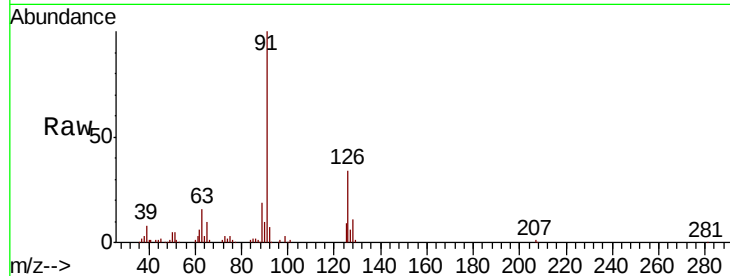
126 34.5 16.3 48.9

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#80

1,3,5-Trimethylbenzene

Concen: 18.736 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. 0.00 min

Lab File: VN060036.D

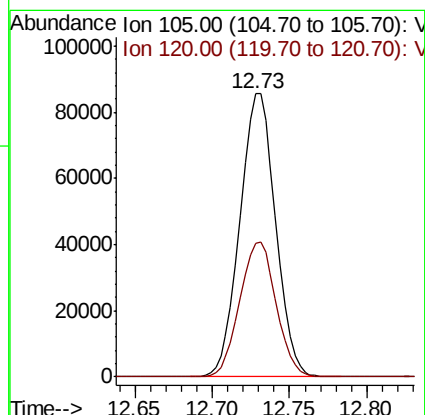
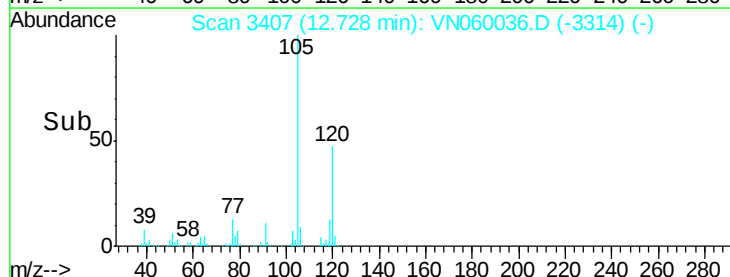
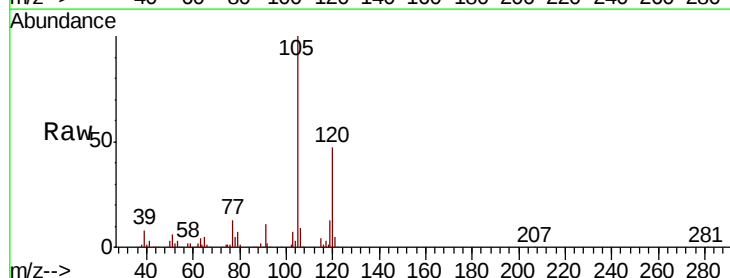
Acq: 10 Feb 2020 11:11

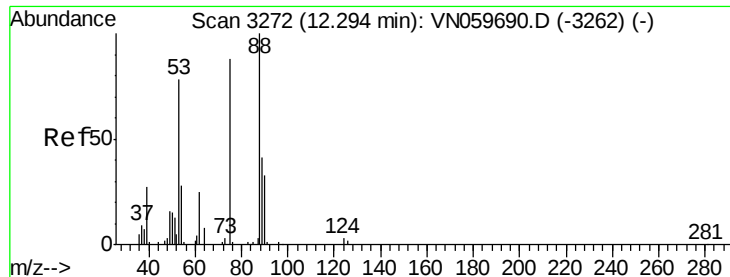
Tgt Ion: 105 Resp: 137486

Ion Ratio Lower Upper

105 100

120 48.4 24.1 72.4





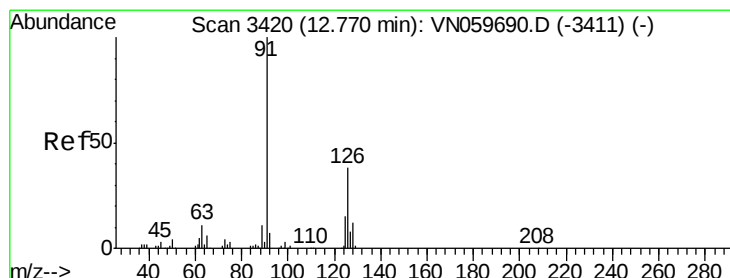
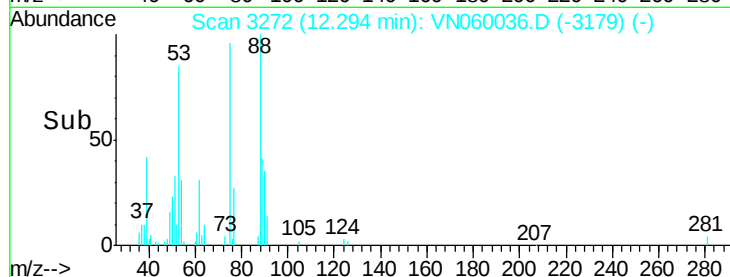
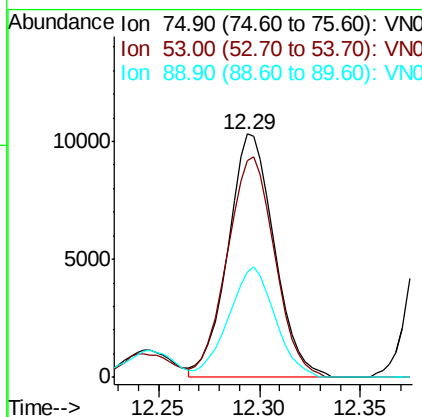
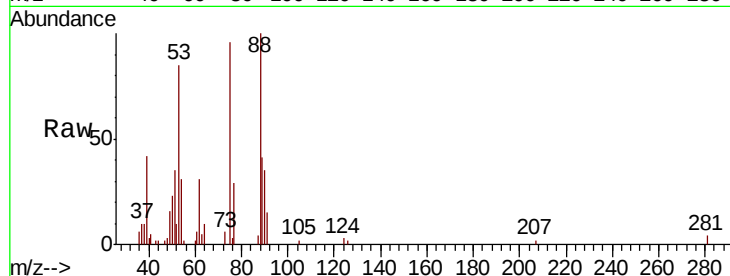
#81
trans-1,4-Dichloro-2-butene
Concen: 17.819 ug/l
RT: 12.29 min Scan# 3272
Delta R.T. 0.00 min
Lab File: VN060036.D
Acq: 10 Feb 2020 11:11

Instrument :
MSVOA_N
ClientSampleId :
VN0210WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	93.1	78.1	117.1
89	45.6	35.4	53.2

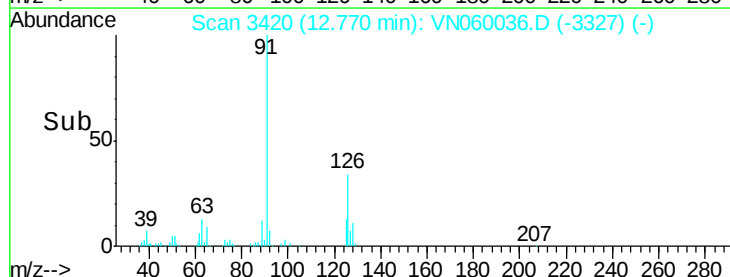
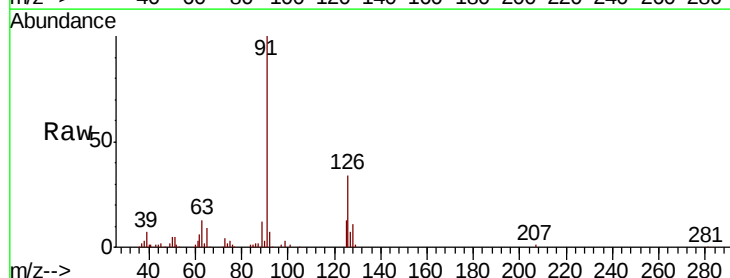
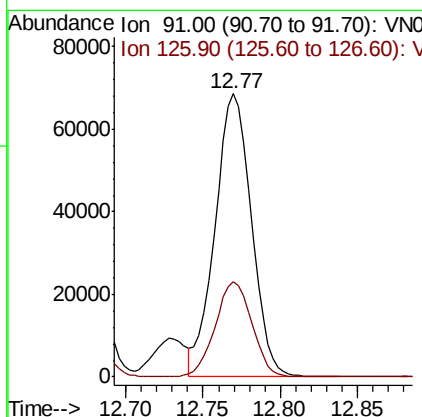
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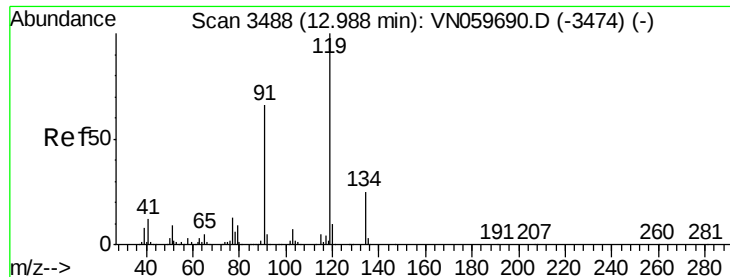
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#82
4-Chlorotoluene
Concen: 19.223 ug/l
RT: 12.77 min Scan# 3420
Delta R.T. 0.00 min
Lab File: VN060036.D
Acq: 10 Feb 2020 11:11

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.8	16.3	48.8





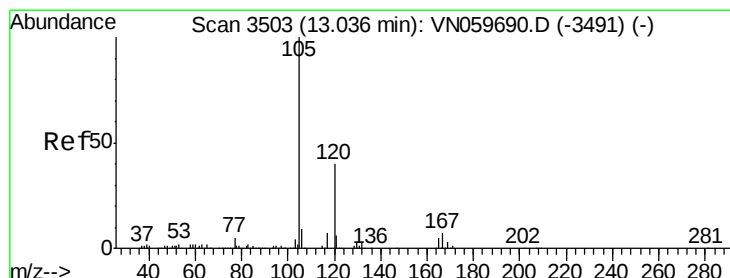
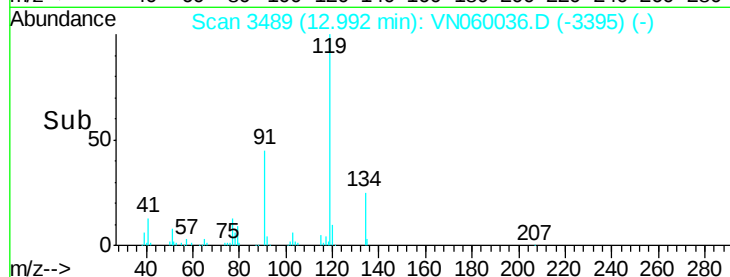
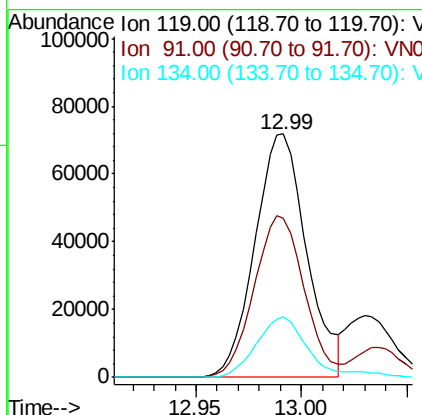
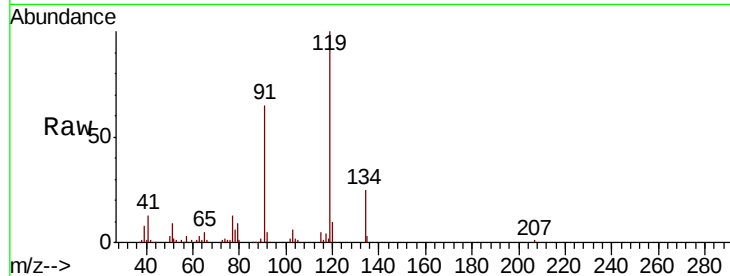
#83
tert-Butylbenzene
Concen: 19.325 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN060036.D
Acq: 10 Feb 2020 11:11

Instrument :
MSVOA_N
ClientSampleId :
VN0210WBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	64.2	34.8	104.4
134	25.2	12.3	36.9

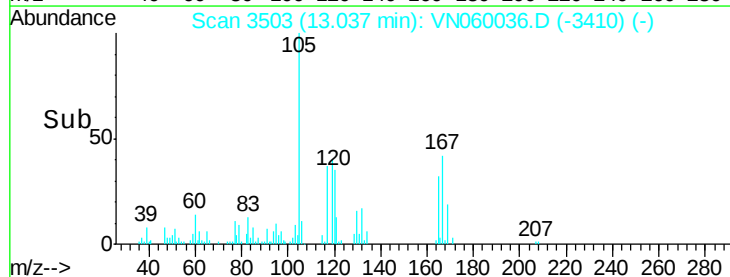
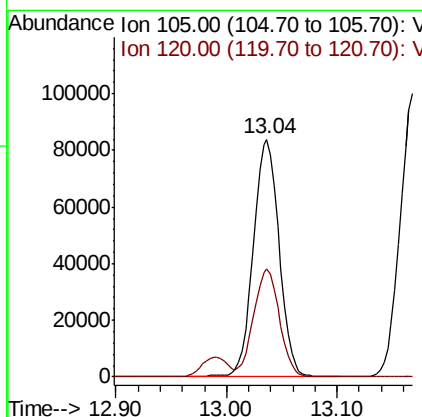
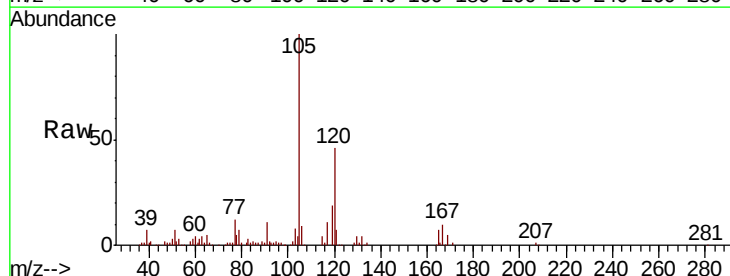
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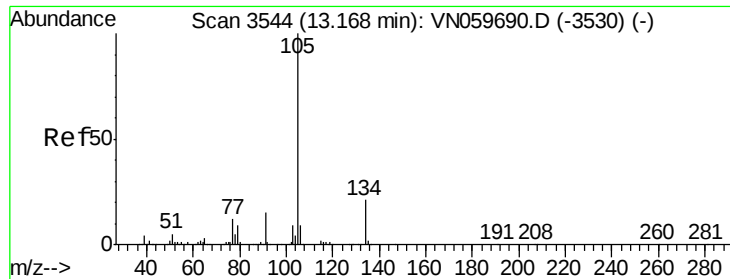
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#84
1,2,4-Trimethylbenzene
Concen: 18.704 ug/l
RT: 13.04 min Scan# 3503
Delta R.T. 0.00 min
Lab File: VN060036.D
Acq: 10 Feb 2020 11:11

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.7	22.3	66.9





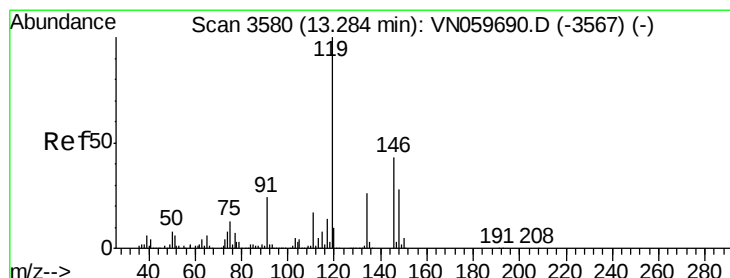
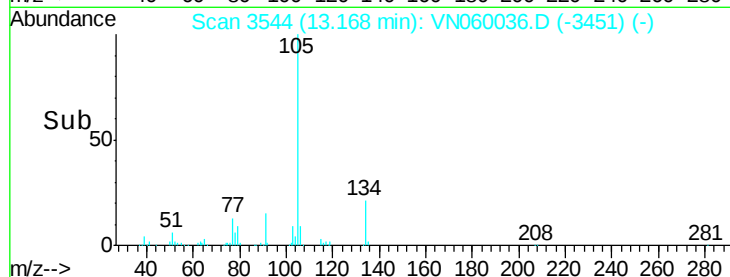
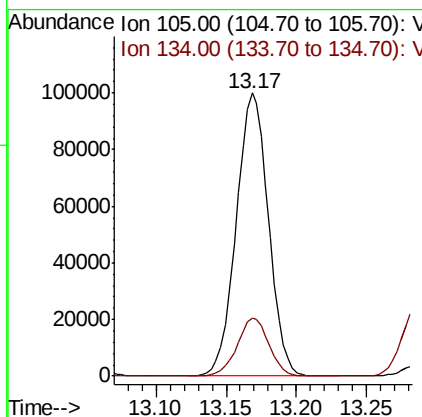
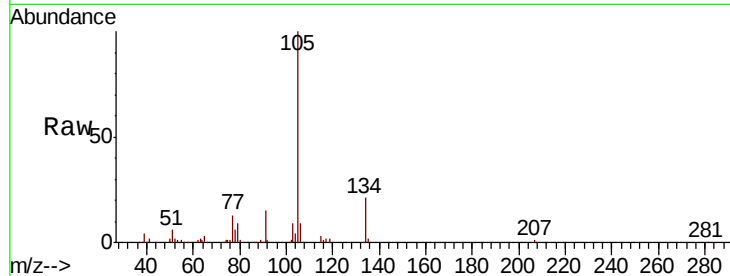
#85
 sec-Butylbenzene
 Concen: 19.148 ug/l
 RT: 13.17 min Scan# 3544
 Delta R.T. 0.00 min
 Lab File: VN060036.D
 Acq: 10 Feb 2020 11:11

Instrument :
 MSVOA_N
 ClientSampled :
 VN0210WBS01

Tot Ion	Ratio	Resp	Lower	Upper
105	100	159665		
134	20.2	9.8	29.5	

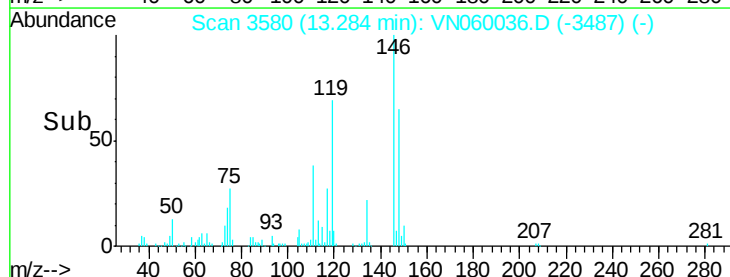
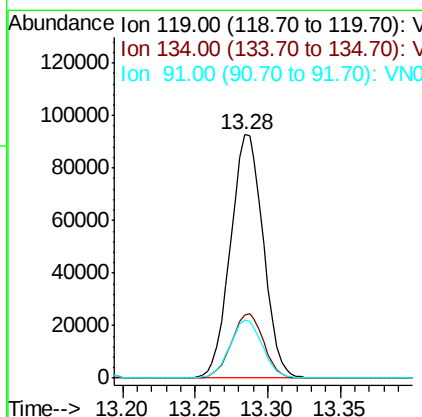
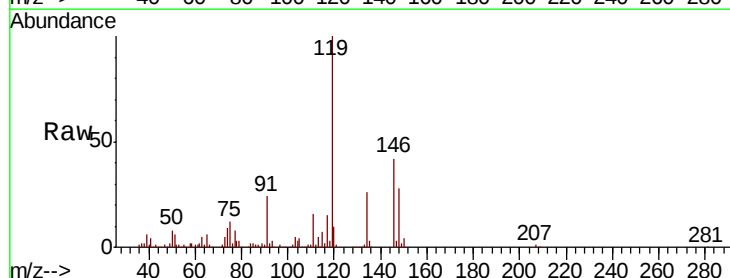
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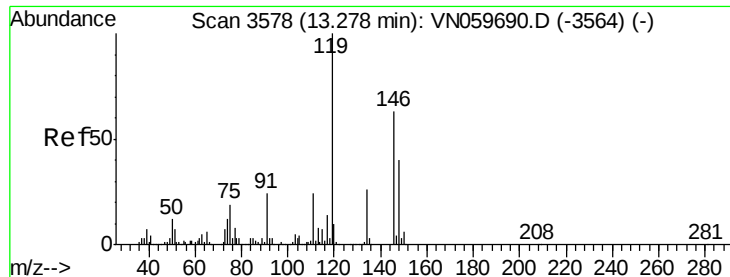
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#86
 p-Isopropyltoluene
 Concen: 18.827 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN060036.D
 Acq: 10 Feb 2020 11:11

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	145258		
134	26.0	12.9	38.7	
91	23.8	12.4	37.4	





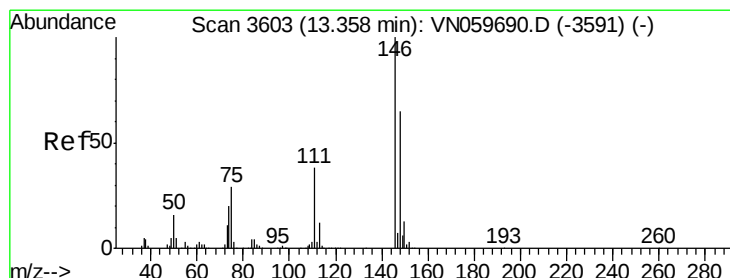
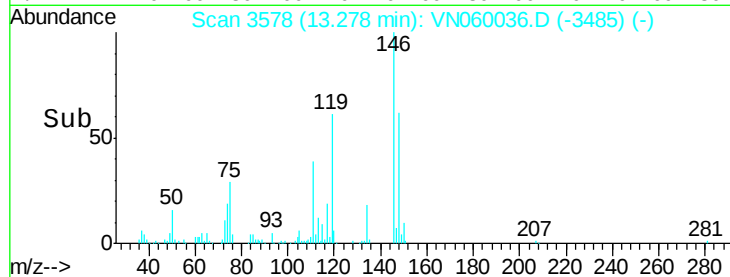
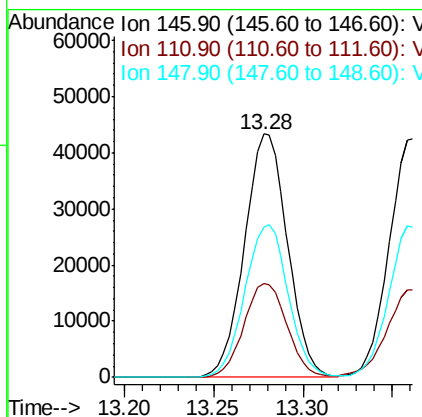
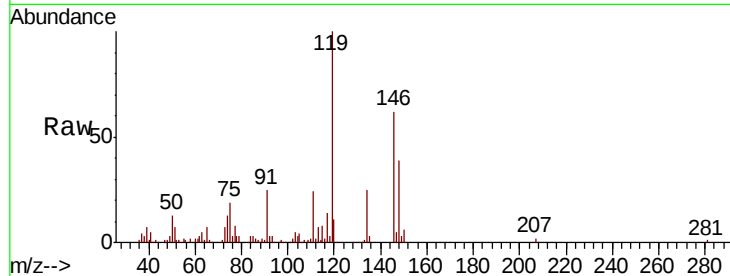
#87
 1,3-Dichlorobenzene
 Concen: 19.024 ug/l
 RT: 13.28 min Scan# 3578
 Delta R.T. 0.00 min
 Lab File: VN060036.D
 Acq: 10 Feb 2020 11:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0210WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.6	20.8	62.2
148	63.4	32.0	96.0

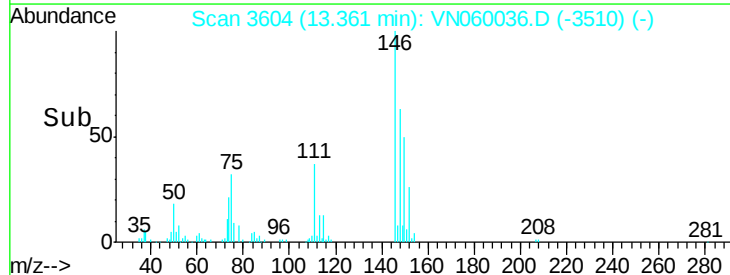
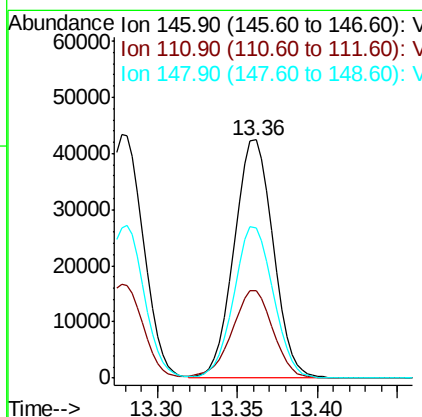
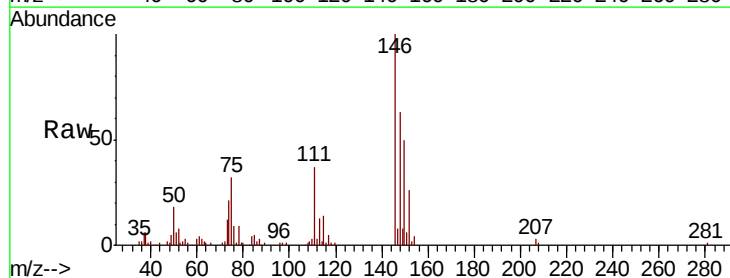
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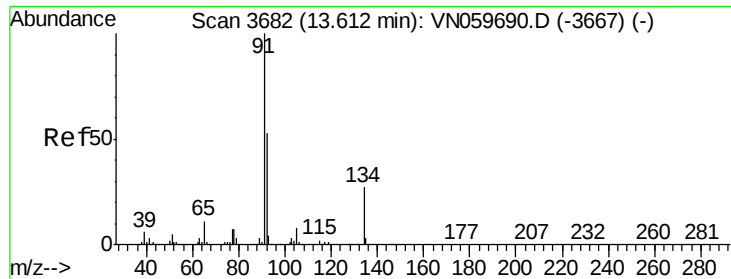
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#88
 1,4-Dichlorobenzene
 Concen: 18.497 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN060036.D
 Acq: 10 Feb 2020 11:11

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.5	20.8	62.2
148	64.0	31.8	95.4





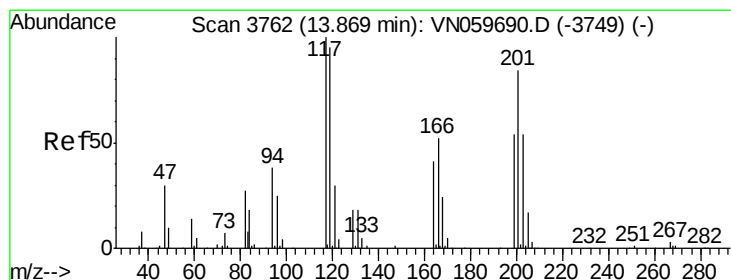
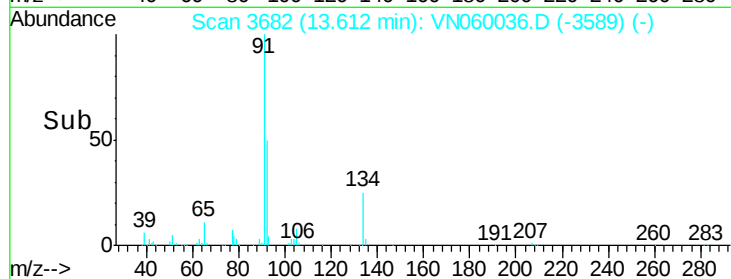
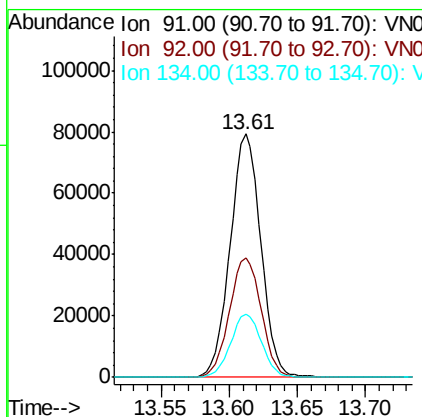
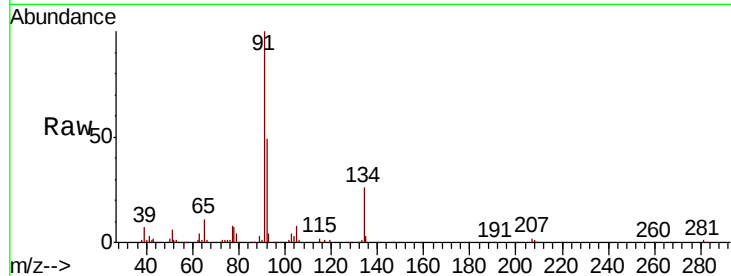
#89
n-Butylbenzene
Concen: 18.851 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN060036.D
Acq: 10 Feb 2020 11:11

Instrument :
MSVOA_N
ClientSampleId :
VN0210WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	50.9	25.9	77.7
134	25.9	12.3	36.8

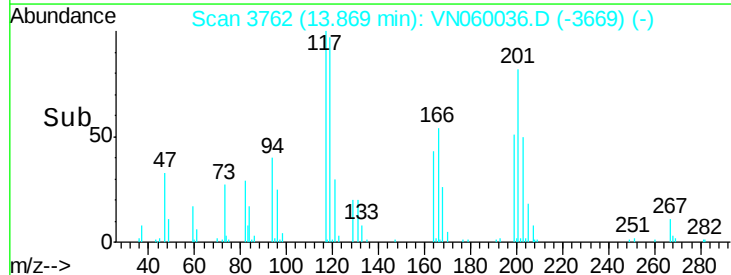
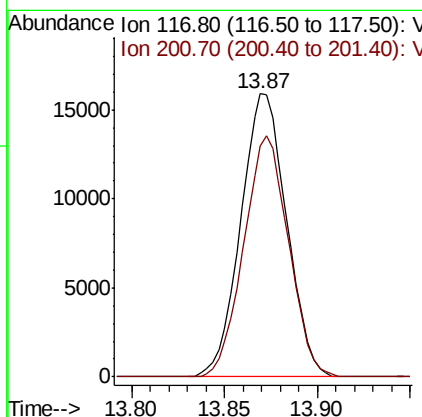
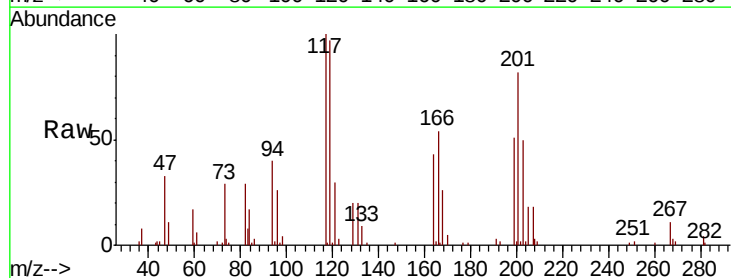
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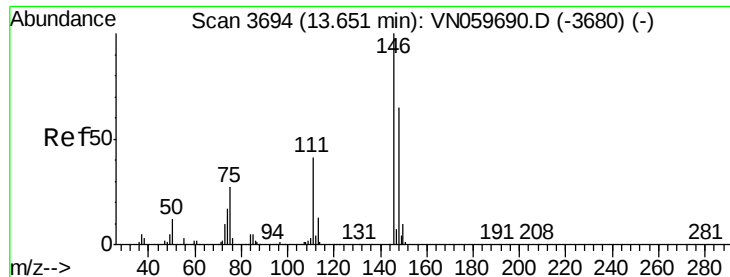
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#90
Hexachloroethane
Concen: 18.936 ug/l
RT: 13.87 min Scan# 3762
Delta R.T. 0.00 min
Lab File: VN060036.D
Acq: 10 Feb 2020 11:11

Tgt Ion	Ratio	Lower	Upper
117	100		
201	83.0	37.8	113.4





#91

1,2-Dichlorobenzene

Concen: 18.772 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. 0.00 min

Lab File: VN060036.D

Acq: 10 Feb 2020 11:11

Instrument :

MSVOA_N

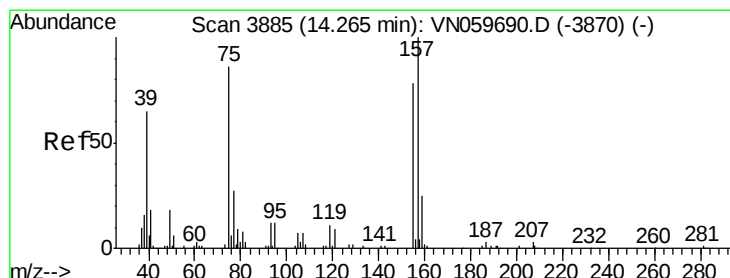
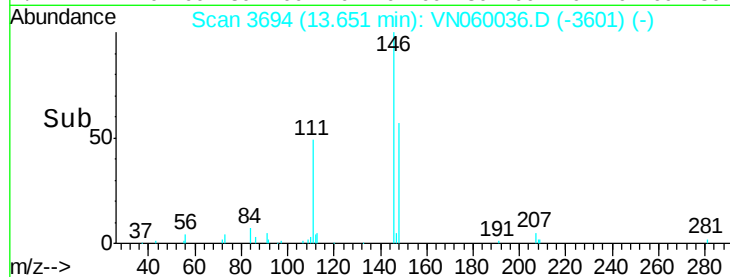
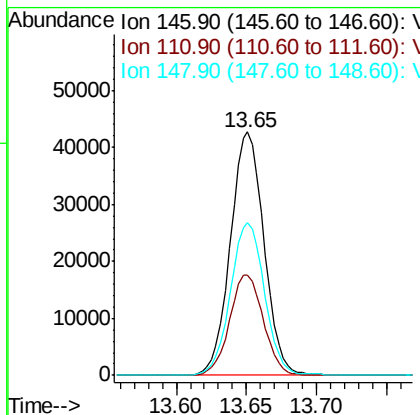
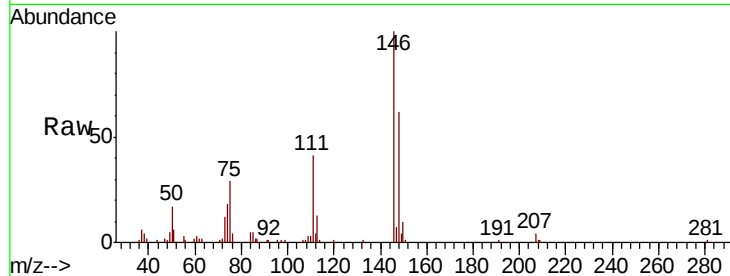
ClientSampleId :

VN0210WBS01

Tot Ion:	146	Resp:	71232
Ion Ratio	Lower	Upper	
146	100		
111	41.5	21.6	64.8
148	63.6	31.6	95.0

Manual Integrations
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2/11/2020 11:04:03 AM



#92

1,2-Dibromo-3-Chloropropane

Concen: 17.803 ug/l

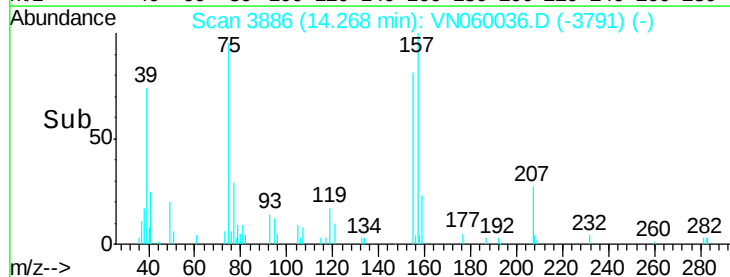
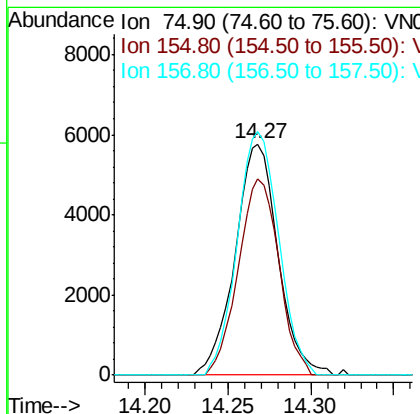
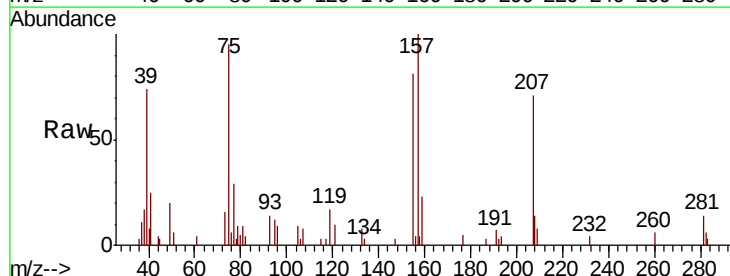
RT: 14.27 min Scan# 3886

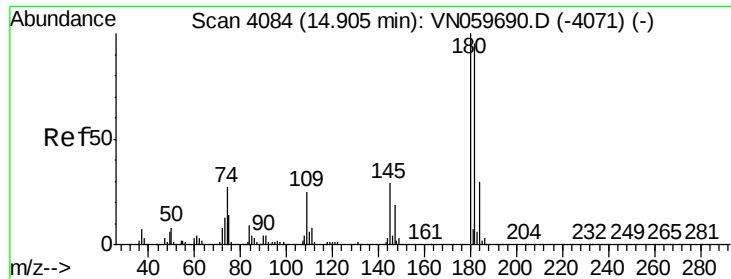
Delta R.T. 0.00 min

Lab File: VN060036.D

Acq: 10 Feb 2020 11:11

Tgt Ion:	75	Resp:	10396
Ion Ratio	Lower	Upper	
75	100		
155	80.2	37.0	110.9
157	101.9	48.4	145.2





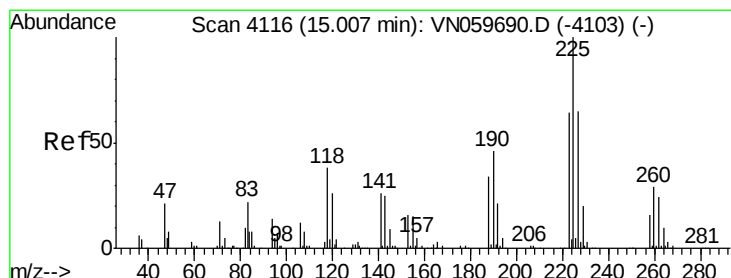
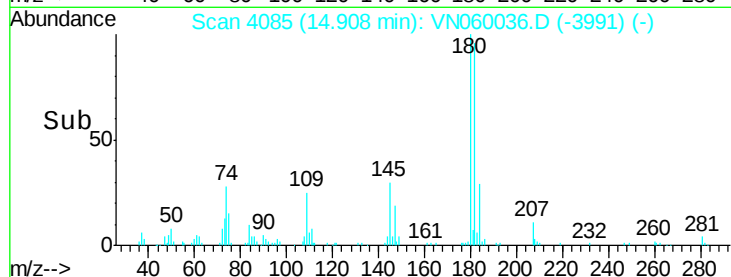
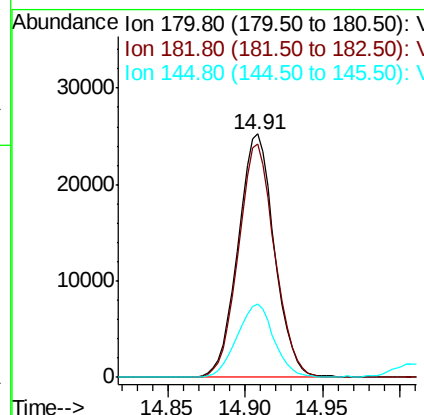
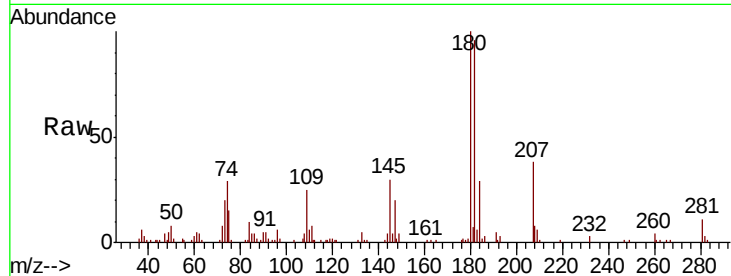
#93
 1,2,4-Trichlorobenzene
 Concen: 18.066 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN060036.D
 Acq: 10 Feb 2020 11:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0210WBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.3	46.9	140.7
145	30.4	15.0	45.1

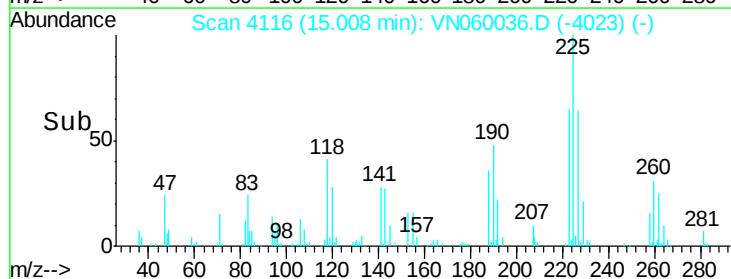
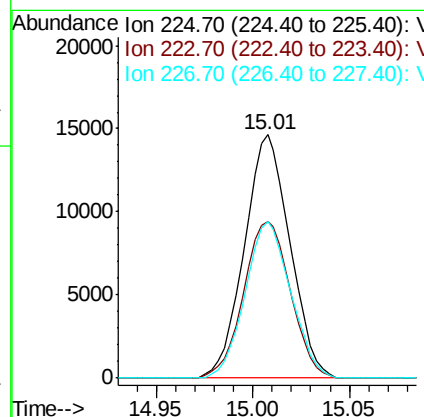
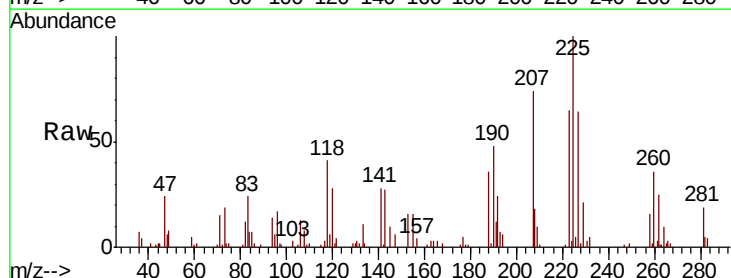
Manual Integrations
 APPROVED

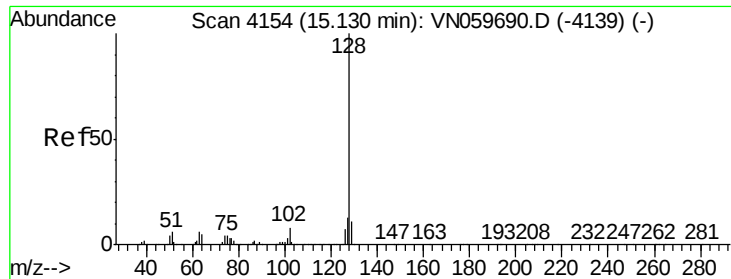
MMDadoda
 2/11/2020 11:04:03 AM



#94
 Hexachlorobutadiene
 Concen: 19.059 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN060036.D
 Acq: 10 Feb 2020 11:11

Tgt Ion	Ratio	Lower	Upper
225	100		
223	66.1	31.8	95.3
227	64.2	32.1	96.5





#95

Naphthalene

Concen: 16.717 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN060036.D

Acq: 10 Feb 2020 11:11

Instrument :

MSVOA_N

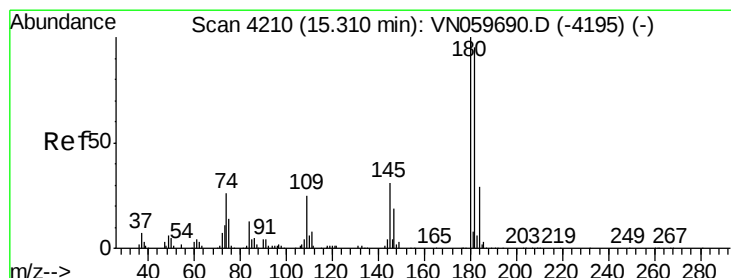
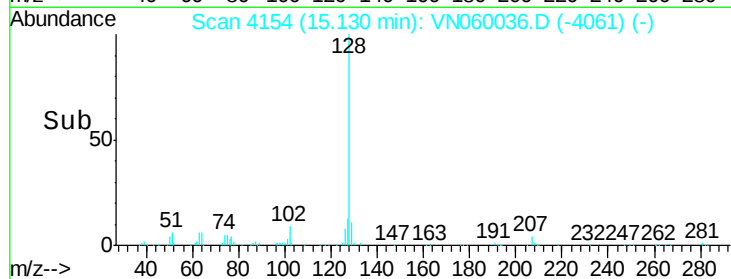
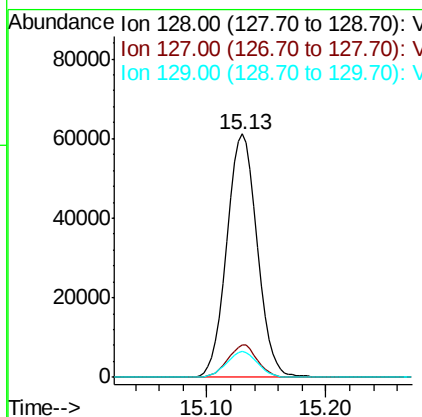
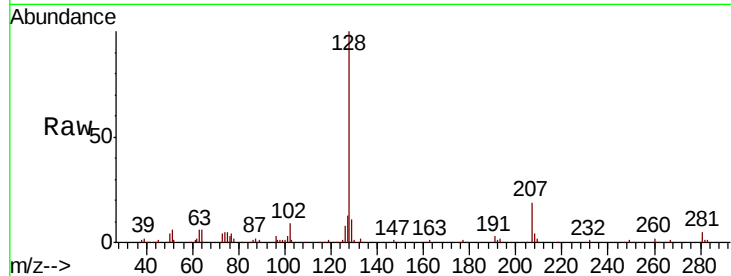
ClientSampleId :

VN0210WBS01

Tot Ion:	128	Resp:	108416
Ion Ratio	Lower	Upper	
128	100		
127	12.8	10.4	15.6
129	10.9	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
2/11/2020 11:04:03 AM



#96

1,2,3-Trichlorobenzene

Concen: 18.237 ug/l

RT: 15.31 min Scan# 4210

Delta R.T. 0.00 min

Lab File: VN060036.D

Acq: 10 Feb 2020 11:11

Tgt Ion:	180	Resp:	40474
Ion Ratio	Lower	Upper	
180	100		
182	95.5	47.4	142.3
145	32.3	16.3	48.9

