

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN022120\
 Data File : VN060182.D
 Acq On : 21 Feb 2020 11:57
 Operator : JC/MD
 Sample : VN0221WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0221WBS01

Manual Integrations
 APPROVED

MMDadoda
 2/24/2020 11:41:06 AM

Quant Time: Feb 21 22:51:08 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N021220W.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 12 14:12:21 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	180207	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	286726	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	264431	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	127672	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	109617	49.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.98%	
35) Dibromofluoromethane	7.56	113	86837	49.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.54%	
50) Toluene-d8	10.08	98	338092	48.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.42%	
62) 4-Bromofluorobenzene	12.40	95	121315	47.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.14%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	32942	18.288	ug/l	100
3) Chloromethane	2.04	50	37816	17.641	ug/l	99
4) Vinyl Chloride	2.17	62	43389	17.758	ug/l	99
5) Bromomethane	2.55	94	28093	18.751	ug/l	99
6) Chloroethane	2.69	64	22496	18.203	ug/l	99
7) Trichlorofluoromethane	3.00	101	57424	18.229	ug/l	98
8) Diethyl Ether	3.38	74	20491	19.541	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.74	101	32751	18.726	ug/l	99
10) Methyl Iodide	3.93	142	41873	19.417	ug/l	99
11) Tert butyl alcohol	4.72	59	29198	88.979	ug/l	100
12) 1,1-Dichloroethene	3.72	96	31551	18.518	ug/l	99
13) Acrolein	3.58	56	26124	80.543	ug/l	96
14) Allyl chloride	4.29	41	47068	18.769	ug/l	94
15) Acrylonitrile	4.94	53	75873	94.679	ug/l	99
16) Acetone	3.78	43	77128	80.636	ug/l	99
17) Carbon Disulfide	4.03	76	87668	17.071	ug/l	99
18) Methyl Acetate	4.29	43	35119	19.546	ug/l	99
19) Methyl tert-butyl Ether	5.00	73	107918	18.835	ug/l	98
20) Methylene Chloride	4.52	84	35497	18.602	ug/l	96
21) trans-1,2-Dichloroethene	5.01	96	34560	18.608	ug/l	99
22) Diisopropyl ether	5.91	45	106041	19.295	ug/l	97
23) Vinyl Acetate	5.86	43	431250	93.440	ug/l	100
24) 1,1-Dichloroethane	5.81	63	62716	18.837	ug/l	99
25) 2-Butanone	6.80	43	104889	87.192	ug/l	95
26) 2,2-Dichloropropane	6.79	77	58760	18.582	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	40011	18.408	ug/l	99
28) Bromochloromethane	7.17	49	24113	18.422	ug/l	100
29) Tetrahydrofuran	7.18	42	66839	90.569	ug/l	98
30) Chloroform	7.35	83	65732	18.848	ug/l	97
31) Cyclohexane	7.63	56	58189	18.762	ug/l	97
32) 1,1,1-Trichloroethane	7.54	97	59200	18.575	ug/l	99
36) 1,1-Dichloropropene	7.77	75	48917	18.419	ug/l	98
37) Ethyl Acetate	6.90	43	44128	18.385	ug/l	98
38) Carbon Tetrachloride	7.75	117	51327	17.795	ug/l	98

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	59522	18.055	ug/l	99
40) Benzene	8.02	78	142855	18.133	ug/l	98
41) Methacrylonitrile	7.15	41	17691m	17.575	ug/l	
42) 1,2-Dichloroethane	8.10	62	52925	19.168	ug/l	98
43) Isopropyl Acetate	8.14	43	75411	18.380	ug/l	99
44) Trichloroethene	8.82	130	40105	18.385	ug/l	97
45) 1,2-Dichloropropane	9.10	63	37851	19.407	ug/l	100
46) Dibromomethane	9.19	93	25537	18.528	ug/l	98
47) Bromodichloromethane	9.38	83	51754	18.469	ug/l	97
48) Methyl methacrylate	9.18	41	31535	17.131	ug/l	97
49) 1,4-Dioxane	9.18	88	11744	373.384	ug/l	98
51) 4-Methyl-2-Pentanone	9.97	43	215770	90.856	ug/l	99
52) Toluene	10.14	92	91835	18.178	ug/l	98
53) t-1,3-Dichloropropene	10.37	75	58101	18.369	ug/l	98
54) cis-1,3-Dichloropropene	9.82	75	62207	18.677	ug/l	97
55) 1,1,2-Trichloroethane	10.55	97	35640	18.083	ug/l	97
56) Ethyl methacrylate	10.42	69	49792	17.859	ug/l	98
57) 1,3-Dichloropropane	10.70	76	59621	18.333	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	123242	94.884	ug/l	99
59) 2-Hexanone	10.74	43	156881	85.516	ug/l	98
60) Dibromochloromethane	10.89	129	40312	17.824	ug/l	99
61) 1,2-Dibromoethane	11.00	107	36685	17.756	ug/l	98
64) Tetrachloroethene	10.62	164	38682	19.243	ug/l	98
65) Chlorobenzene	11.43	112	99747	18.515	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	38710	18.994	ug/l	99
67) Ethyl Benzene	11.50	91	178517	18.372	ug/l	99
68) m/p-Xylenes	11.62	106	134182	36.795	ug/l	99
69) o-Xylene	11.94	106	65491	18.652	ug/l	98
70) Styrene	11.96	104	100882	17.817	ug/l	99
71) Bromoform	12.12	173	28844	17.596	ug/l #	99
73) Isopropylbenzene	12.24	105	175733	18.432	ug/l	99
74) N-amyl acetate	12.06	43	60535	17.608	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	50836	18.525	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	46081m	18.865	ug/l	
77) Bromobenzene	12.52	156	44193	18.678	ug/l	98
78) n-propylbenzene	12.59	91	198069	18.235	ug/l	100
79) 2-Chlorotoluene	12.67	91	115726	18.126	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	147902	18.658	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.29	75	17252	17.293	ug/l	96
82) 4-Chlorotoluene	12.77	91	118293	18.059	ug/l	100
83) tert-Butylbenzene	12.99	119	127233	18.144	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	145408	18.583	ug/l	100
85) sec-Butylbenzene	13.17	105	169483	18.250	ug/l	100
86) p-Isopropyltoluene	13.28	119	153629	18.258	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	75915	18.126	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	75943	18.137	ug/l	98
89) n-Butylbenzene	13.61	91	133913	18.094	ug/l	99
90) Hexachloroethane	13.87	117	28139	17.901	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	73699	17.981	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	9966	16.564	ug/l	95

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ClientSampleId :
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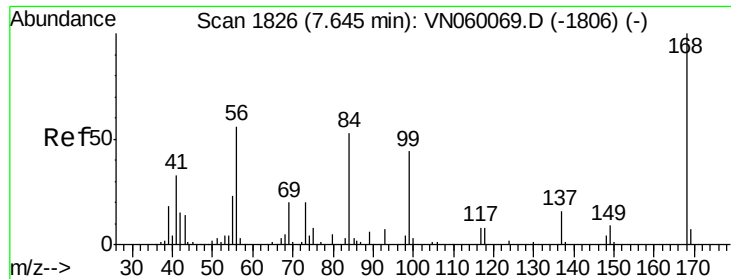
Manual Integrations
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	42677	17.721	ug/l	96
94) Hexachlorobutadiene	15.01	225	25563	18.132	ug/l	100
95) Naphthalene	15.13	128	105080	16.153	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	40900	17.054	ug/l	97

(#) = 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: VN060182.D

Acq: 21 Feb 2020 11:57

Instrument :

MSVOA_N

ClientSampleId :

VN0221WBS01

Tot Ion:168 Resp: 180207

Ion Ratio Lower Upper

168 100

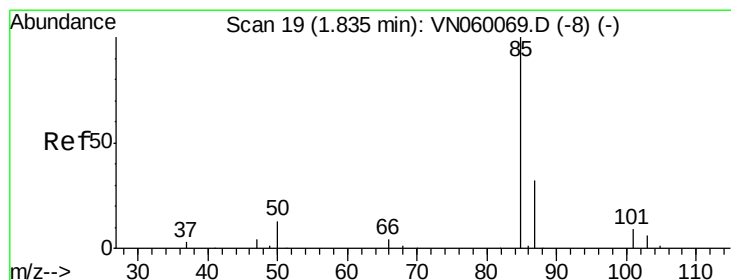
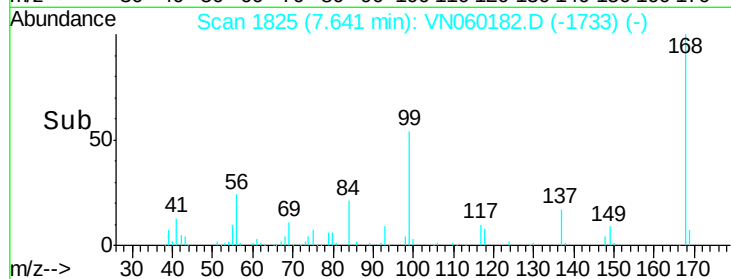
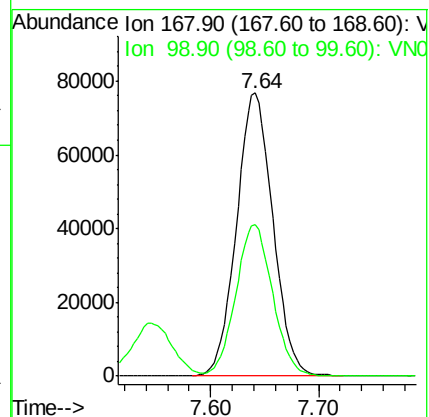
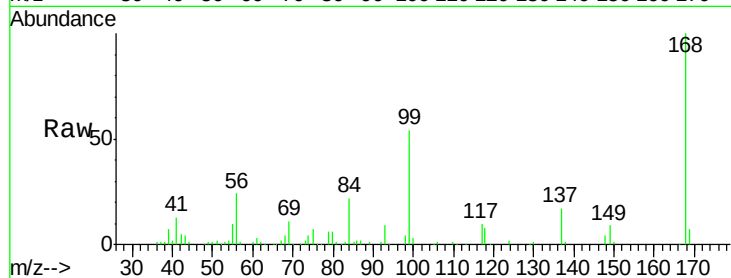
99 53.7 42.7 64.1

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 18.288 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN060182.D

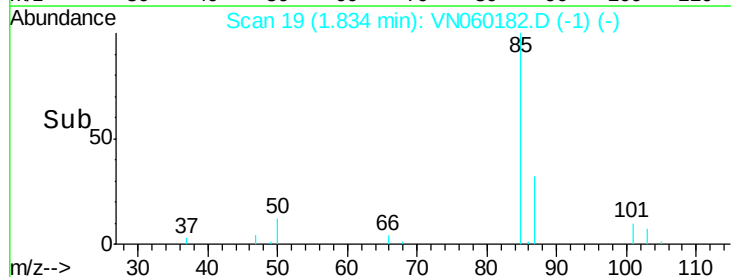
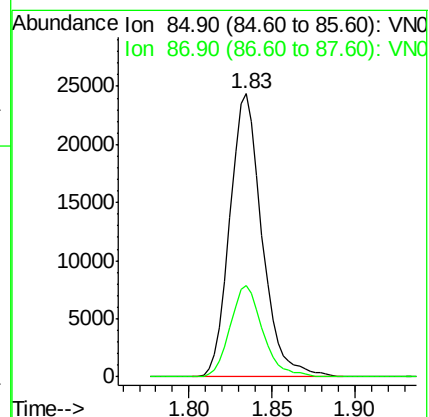
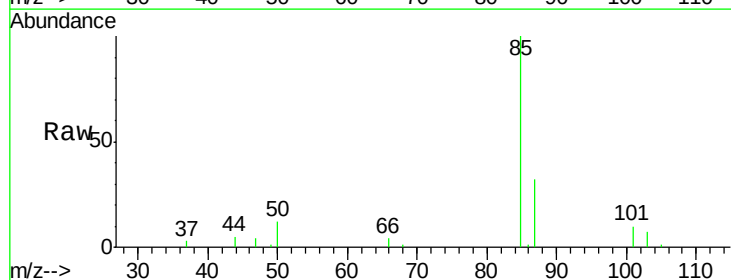
Acq: 21 Feb 2020 11:57

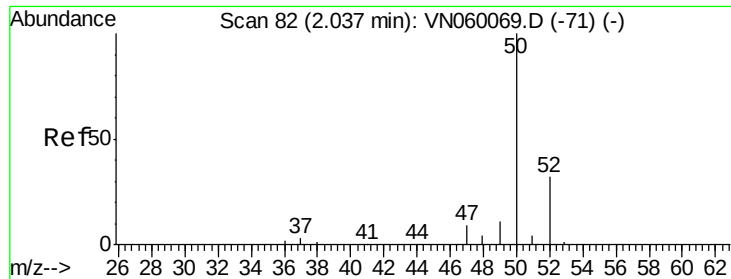
Tgt Ion: 85 Resp: 32942

Ion Ratio Lower Upper

85 100

87 32.2 16.1 48.2





#3

Chloromethane

Concen: 17.641 ug/l

RT: 2.04 min Scan# 82

Delta R.T. -0.00 min

Lab File: VN060182.D

Acq: 21 Feb 2020 11:57

Instrument :

MSVOA_N

ClientSampleId :

VN0221WBS01

Tot Ion: 50 Resp: 37816

Ion Ratio Lower Upper

50 100

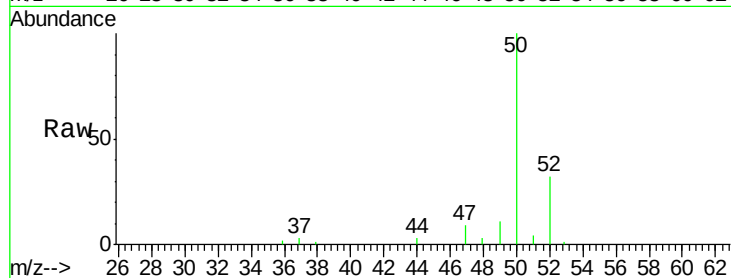
52 31.7 25.6 38.4

Manual Integrations

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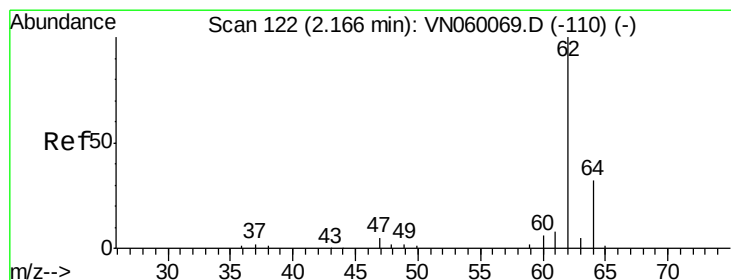
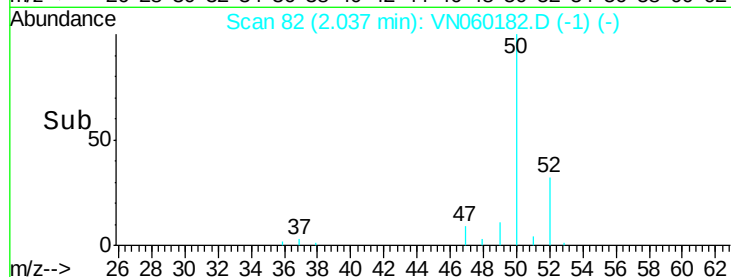
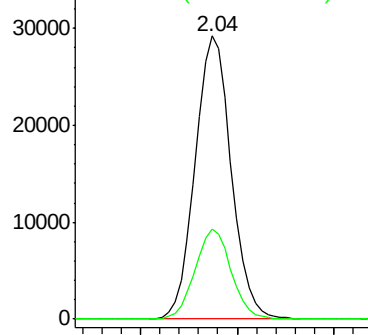
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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 17.758 ug/l

RT: 2.17 min Scan# 122

Delta R.T. -0.00 min

Lab File: VN060182.D

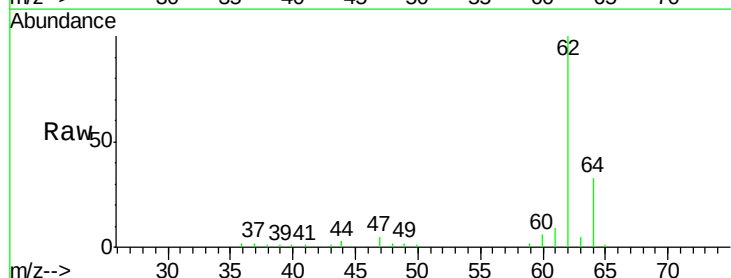
Acq: 21 Feb 2020 11:57

Tgt Ion: 62 Resp: 43389

Ion Ratio Lower Upper

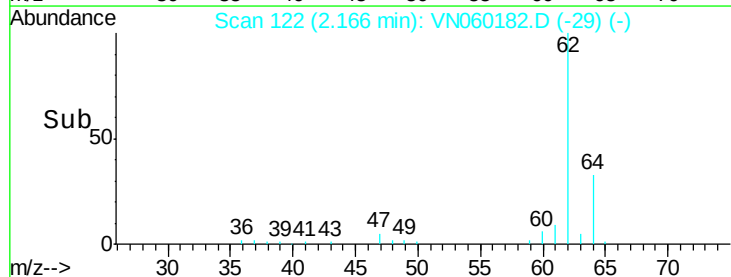
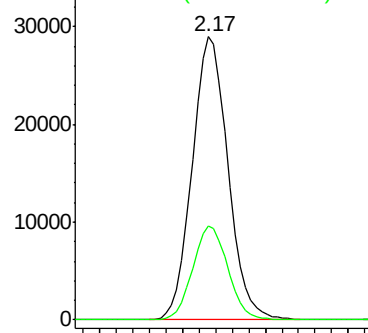
62 100

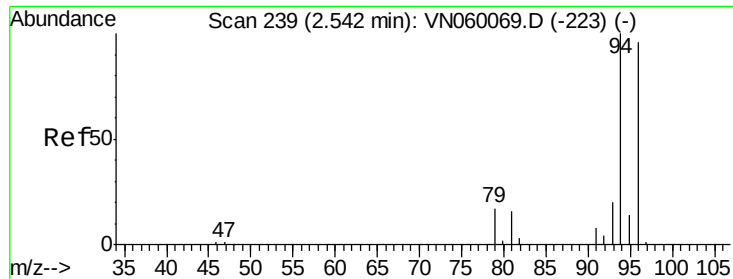
64 33.0 25.9 38.9



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





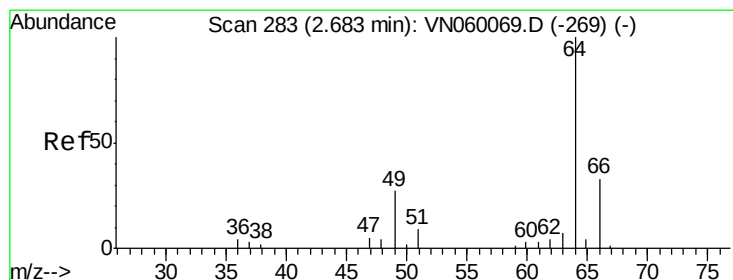
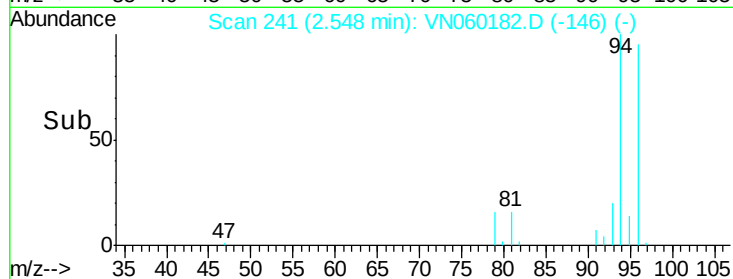
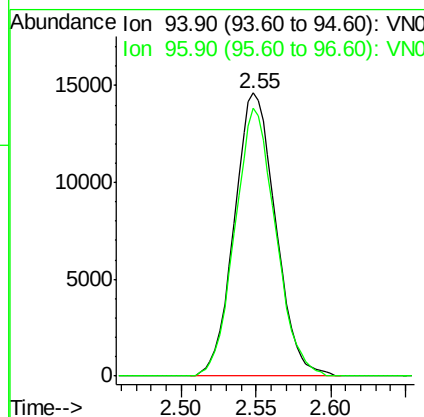
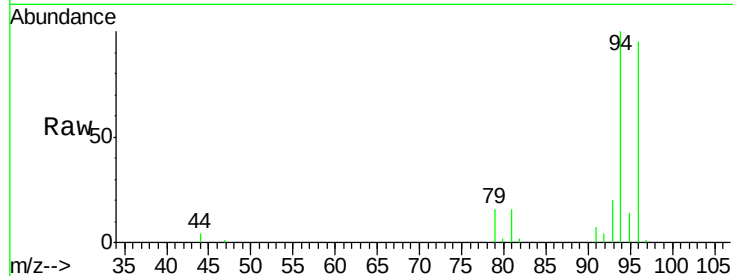
#5
Bromomethane
Concen: 18.751 ug/l
RT: 2.55 min Scan# 241
Delta R.T. 0.01 min
Lab File: VN060182.D
Acq: 21 Feb 2020 11:57

Instrument :
MSVOA_N
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Tot Ion: 94 Resp: 28093
Ion Ratio Lower Upper
94 100
96 94.5 76.7 115.1

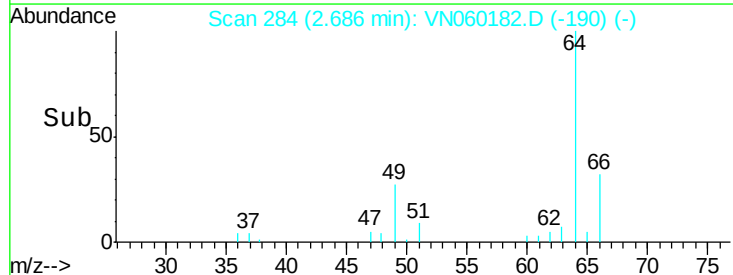
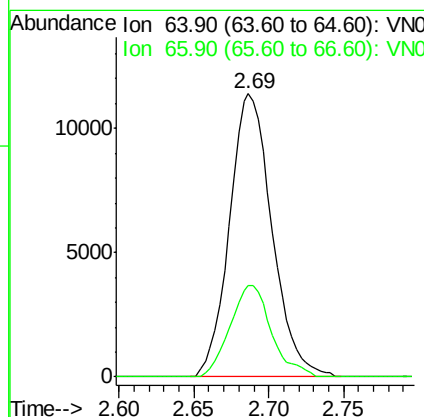
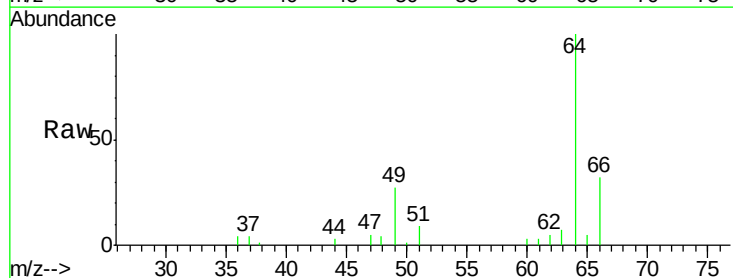
Manual Integrations
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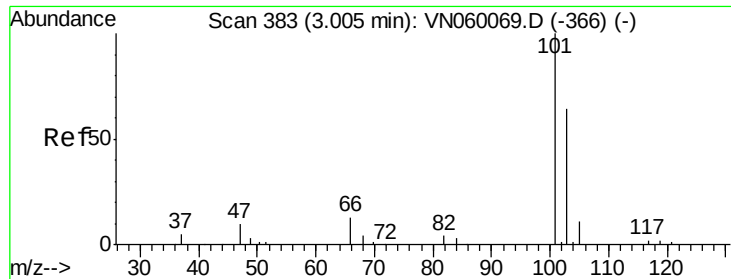
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#6
Chloroethane
Concen: 18.203 ug/l
RT: 2.69 min Scan# 284
Delta R.T. 0.00 min
Lab File: VN060182.D
Acq: 21 Feb 2020 11:57

Tgt Ion: 64 Resp: 22496
Ion Ratio Lower Upper
64 100
66 32.5 26.6 40.0





#7

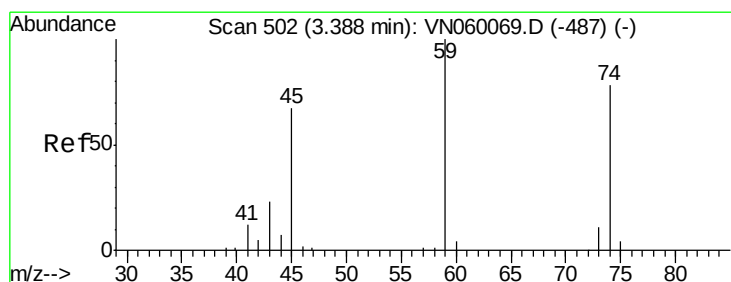
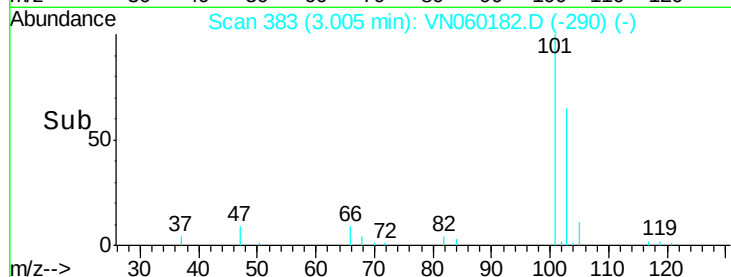
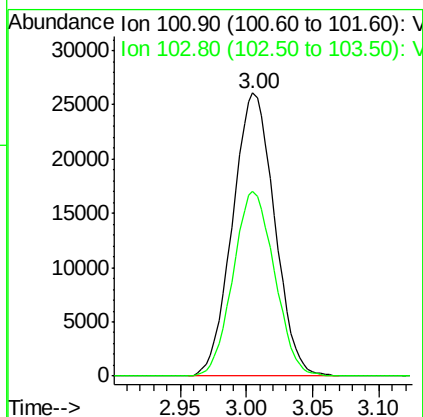
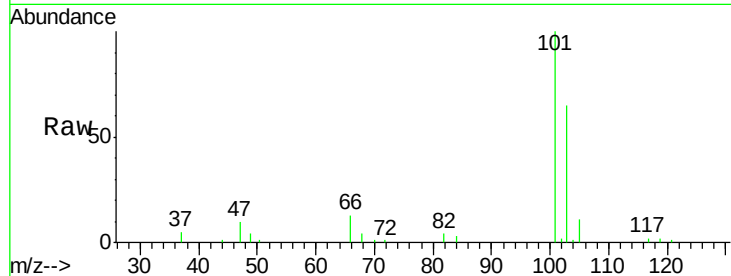
Trichlorofluoromethane
Concen: 18.229 ug/l
RT: 3.00 min Scan# 383
Delta R.T. -0.00 min
Lab File: VN060182.D
Acq: 21 Feb 2020 11:57

Instrument :
MSVOA_N
ClientSampleId :
VN0221WBS01

Tot Ion:101 Resp: 57424
Ion Ratio Lower Upper
101 100
103 65.3 51.0 76.6

Manual Integrations
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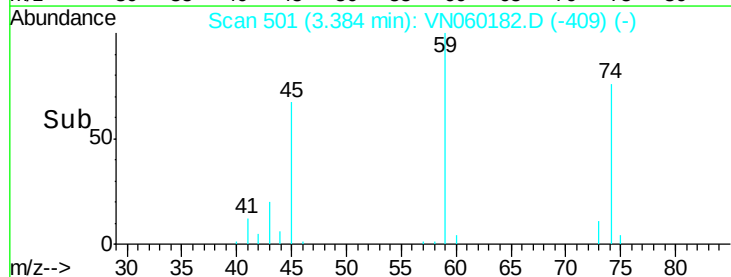
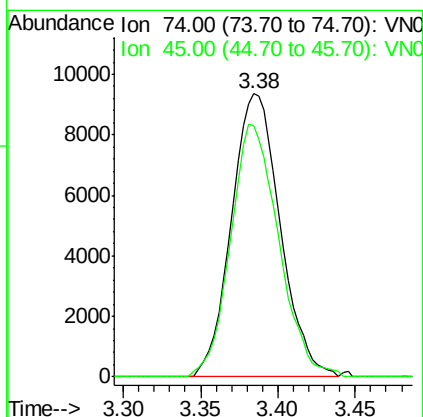
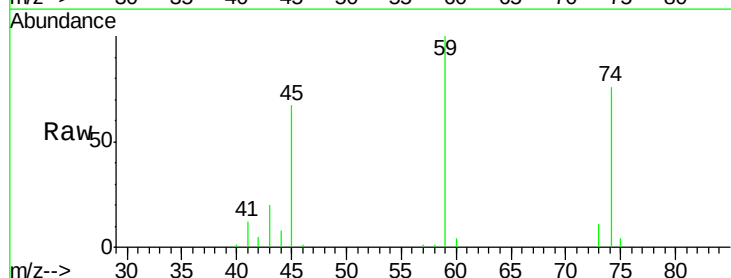
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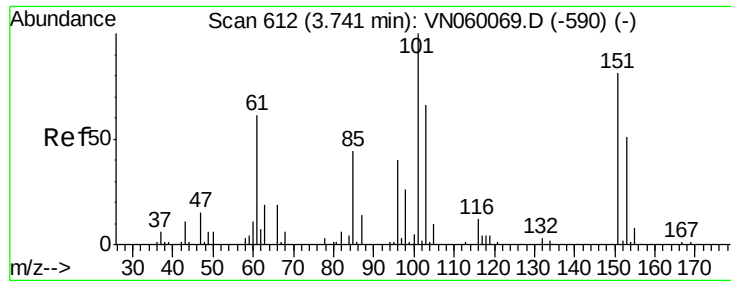


#8

Diethyl Ether
Concen: 19.541 ug/l
RT: 3.38 min Scan# 501
Delta R.T. -0.00 min
Lab File: VN060182.D
Acq: 21 Feb 2020 11:57

Tgt Ion: 74 Resp: 20491
Ion Ratio Lower Upper
74 100
45 88.0 44.7 134.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.726 ug/l

RT: 3.74 min Scan# 611

Delta R.T. -0.00 min

Lab File: VN060182.D

Acq: 21 Feb 2020 11:57

Instrument :

MSVOA_N

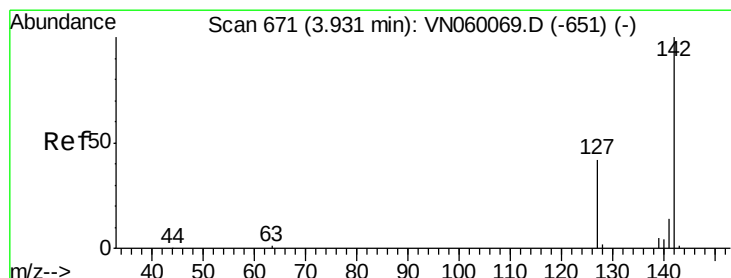
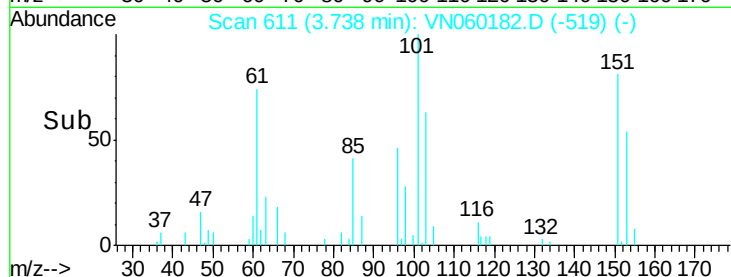
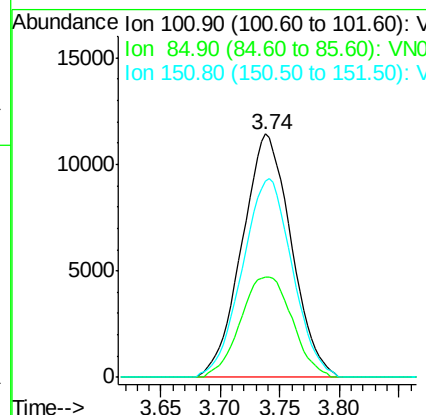
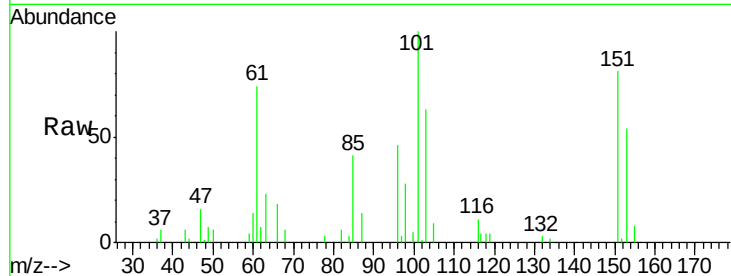
ClientSampleId :

VN0221WBS01

Tot Ion:	101	Resp:	32751
Ion Ratio	Lower	Upper	
101	100		
85	43.2	35.1	52.7
151	82.8	65.8	98.6

Manual Integrations
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#10

Methyl Iodide

Concen: 19.417 ug/l

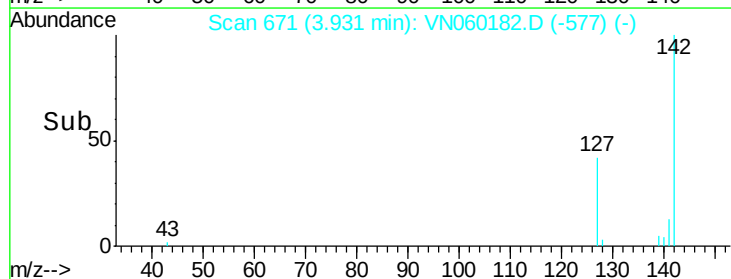
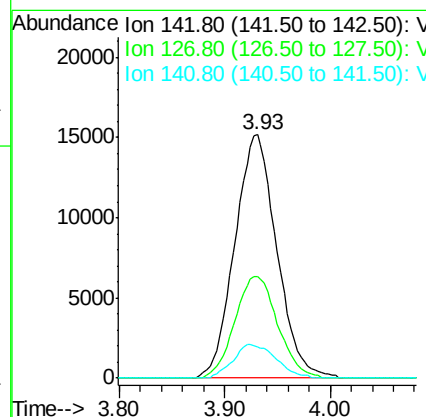
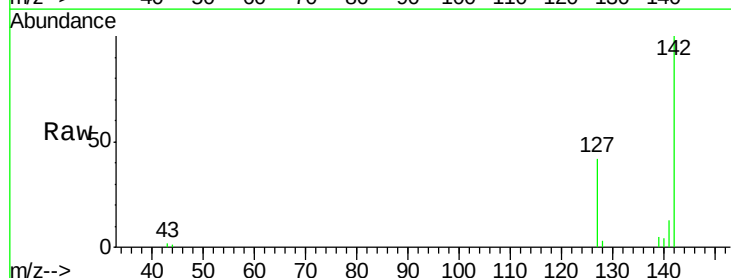
RT: 3.93 min Scan# 671

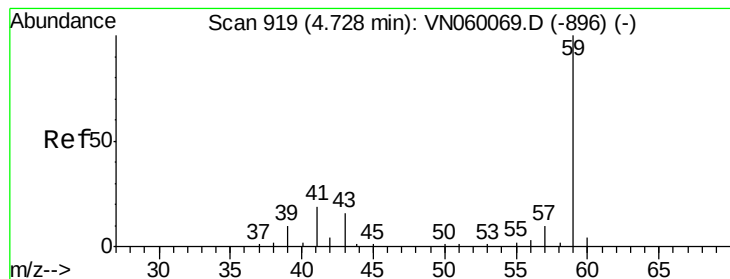
Delta R.T. 0.00 min

Lab File: VN060182.D

Acq: 21 Feb 2020 11:57

Tgt Ion:	142	Resp:	41873
Ion Ratio	Lower	Upper	
142	100		
127	42.7	33.6	50.4
141	14.1	11.4	17.2





#11

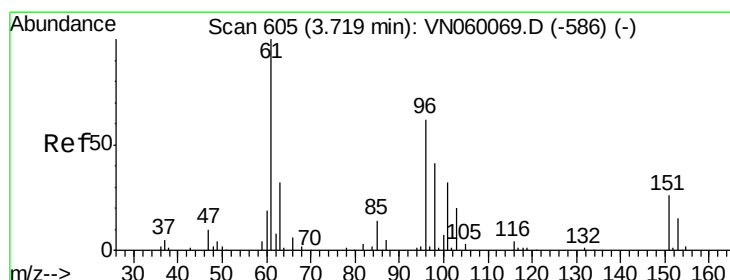
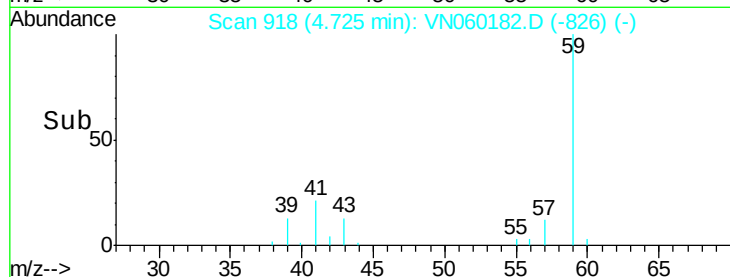
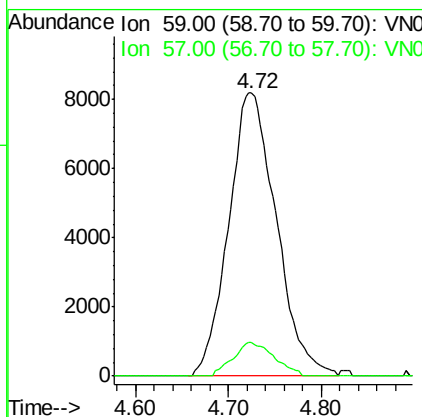
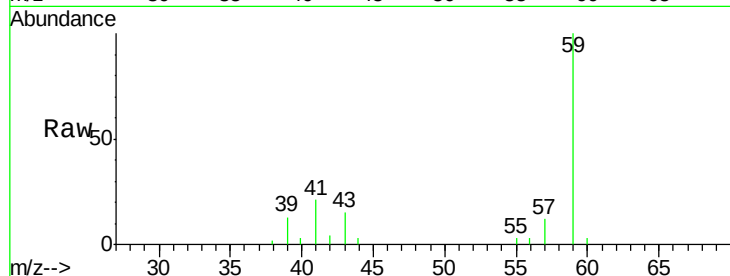
Tert butyl alcohol
 Concen: 88.979 ug/l
 RT: 4.72 min Scan# 918
 Delta R.T. -0.00 min
 Lab File: VN060182.D
 Acq: 21 Feb 2020 11:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0221WBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.3	8.2	12.4

Manual Integrations
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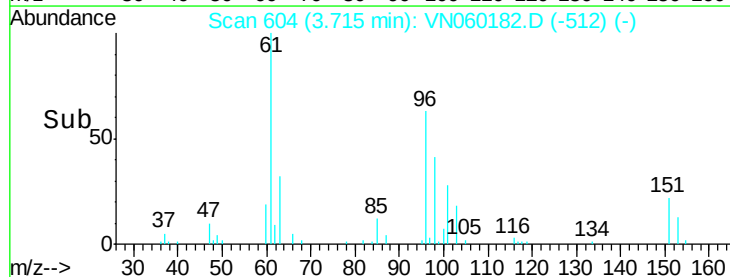
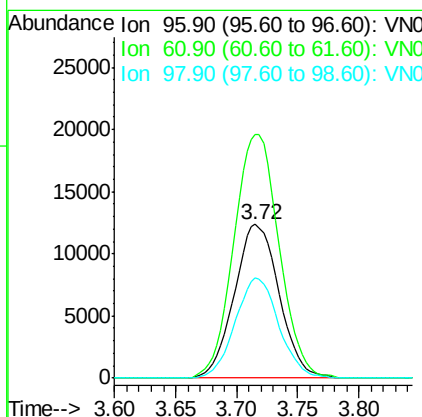
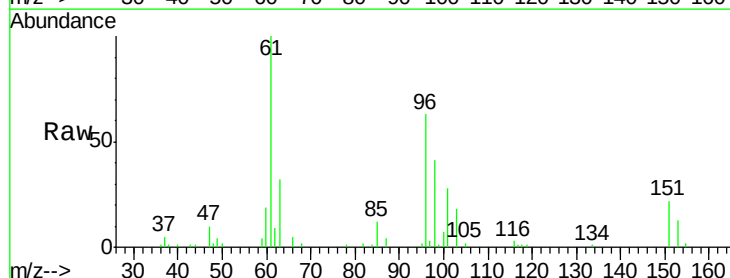
MMDadoda
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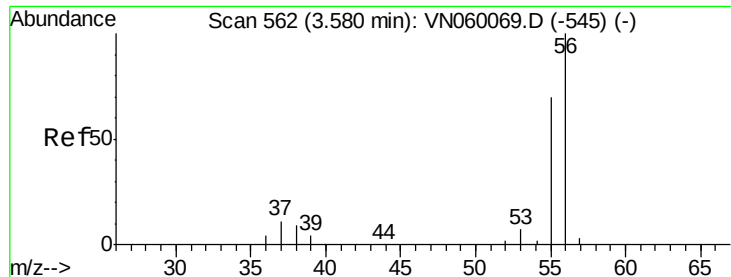


#12

1,1-Dichloroethene
 Concen: 18.518 ug/l
 RT: 3.72 min Scan# 604
 Delta R.T. -0.00 min
 Lab File: VN060182.D
 Acq: 21 Feb 2020 11:57

Tgt Ion	Ratio	Lower	Upper
96	100		
61	158.1	128.3	192.5
98	64.9	52.2	78.4





#13

Acrolein

Concen: 80.543 ug/l

RT: 3.58 min Scan# 561

Delta R.T. -0.00 min

Lab File: VN060182.D

Acq: 21 Feb 2020 11:57

Instrument :

MSVOA_N

ClientSampleId :

VN0221WBS01

Tot Ion: 56 Resp: 26124

Ion Ratio Lower Upper

56 100

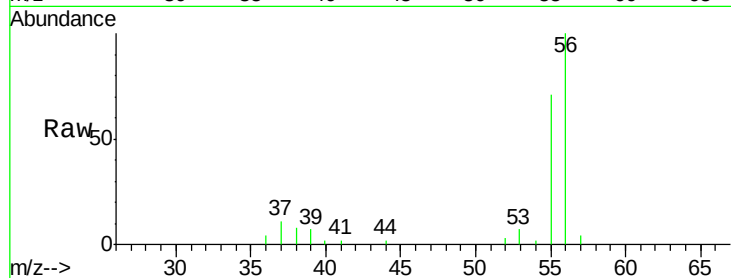
55 71.6 54.8 82.2

Manual Integrations

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Abundance Ion 56.00 (55.70 to 56.70): VN060069.D (-545) (-)

Ion 55.00 (54.70 to 55.70): VN060069.D (-545) (-)

12000

10000

8000

6000

4000

2000

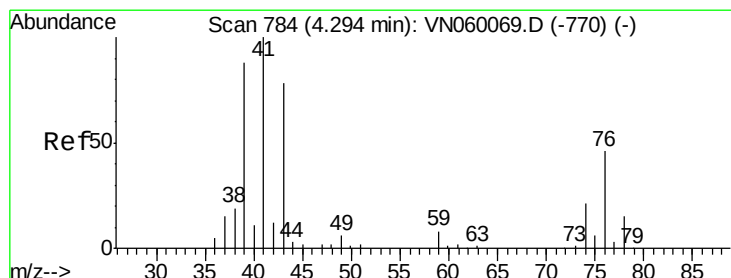
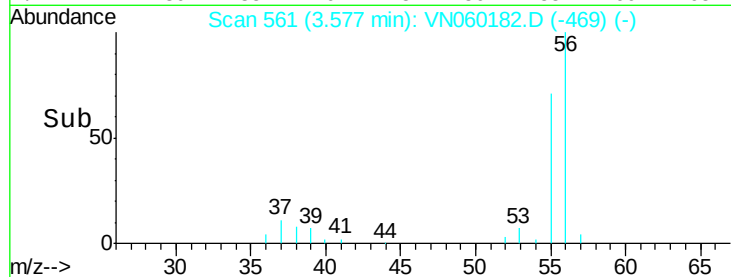
0

3.50

3.60

3.70

Time-->



#14

Allyl chloride

Concen: 18.769 ug/l

RT: 4.29 min Scan# 784

Delta R.T. -0.00 min

Lab File: VN060182.D

Acq: 21 Feb 2020 11:57

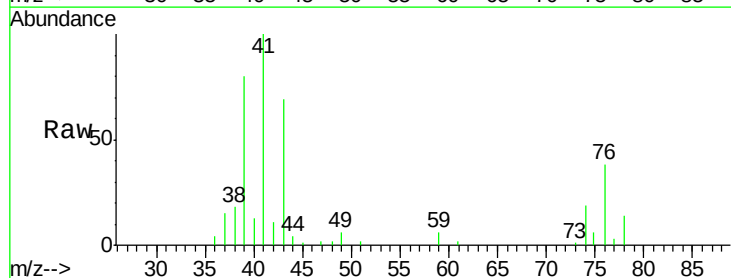
Tgt Ion: 41 Resp: 47068

Ion Ratio Lower Upper

41 100

39 79.0 67.8 101.8

76 39.5 33.9 50.9



Abundance Ion 41.00 (40.70 to 41.70): VN060069.D (-770) (-)

Ion 39.00 (38.70 to 39.70): VN060069.D (-770) (-)

Ion 75.90 (75.60 to 76.60): VN060069.D (-770) (-)

20000

15000

10000

5000

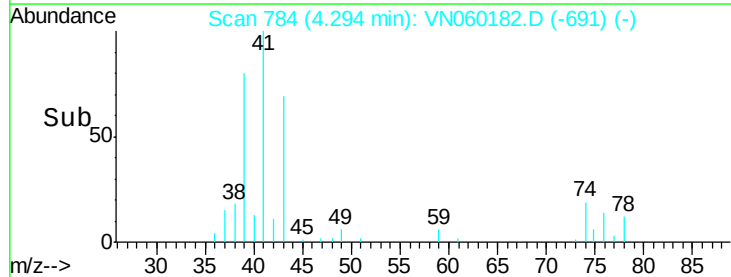
0

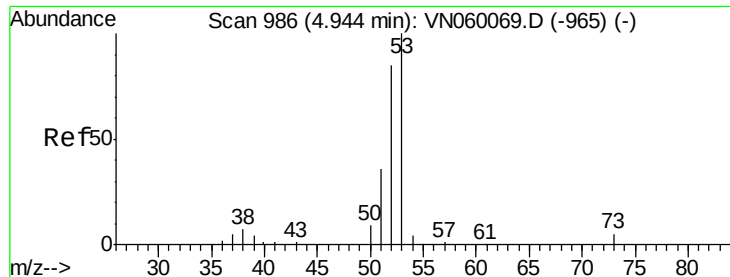
4.20

4.30

4.40

Time-->





#15

Acrylonitrile

Concen: 94.679 ug/l

RT: 4.94 min Scan# 986

Delta R.T. -0.00 min

Lab File: VN060182.D

Acq: 21 Feb 2020 11:57

Instrument :

MSVOA_N

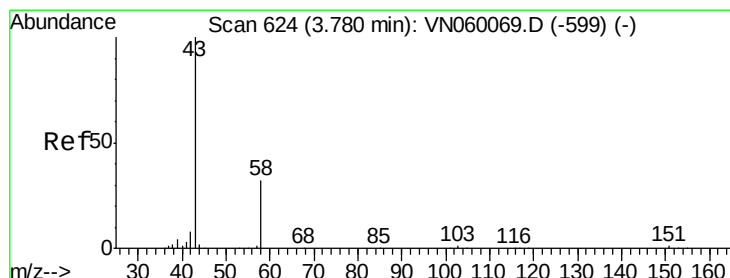
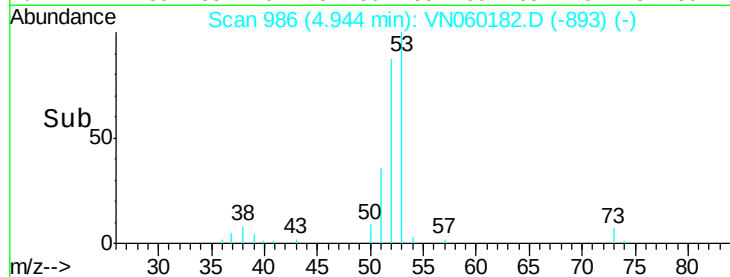
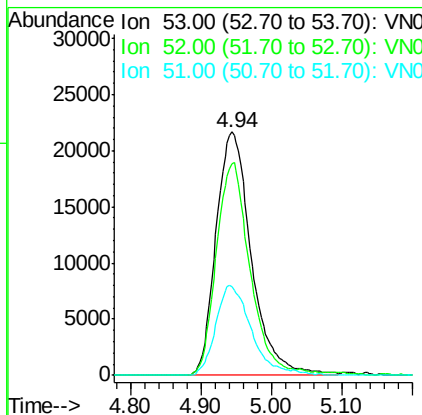
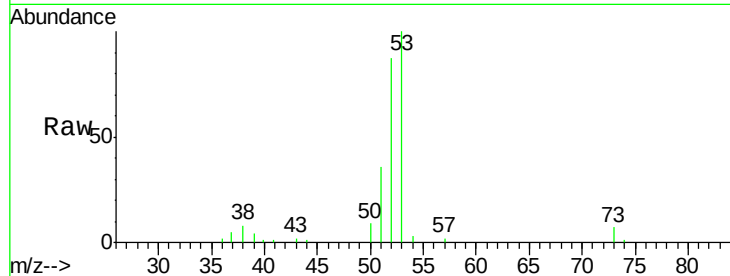
ClientSampleId :

VN0221WBS01

Tot Ion:	53	Resp:	75873
Ion	Ratio	Lower	Upper
53	100		
52	83.1	66.8	100.2
51	37.1	29.4	44.0

Manual Integrations
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#16

Acetone

Concen: 80.636 ug/l

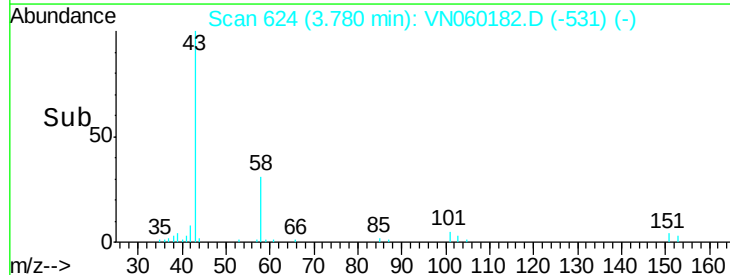
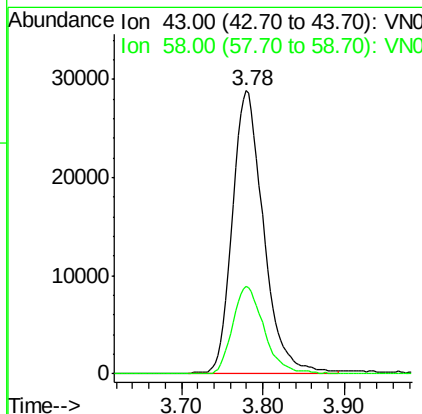
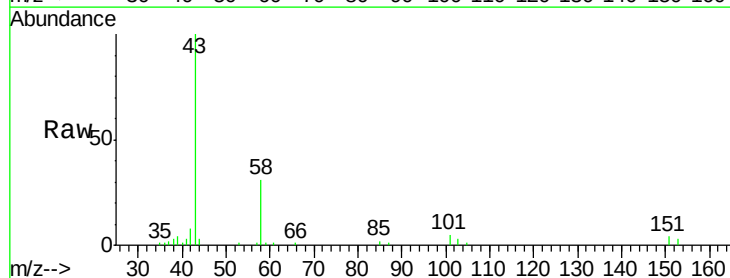
RT: 3.78 min Scan# 624

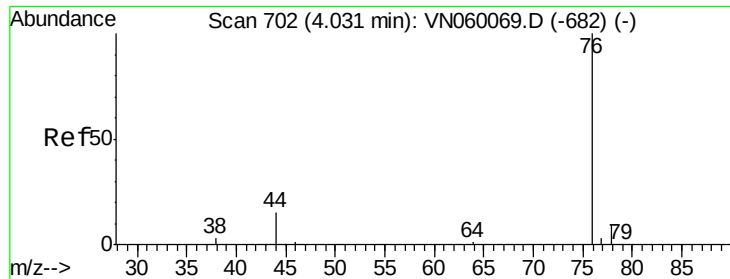
Delta R.T. -0.00 min

Lab File: VN060182.D

Acq: 21 Feb 2020 11:57

Tgt Ion:	43	Resp:	77128
Ion	Ratio	Lower	Upper
43	100		
58	30.9	25.2	37.8





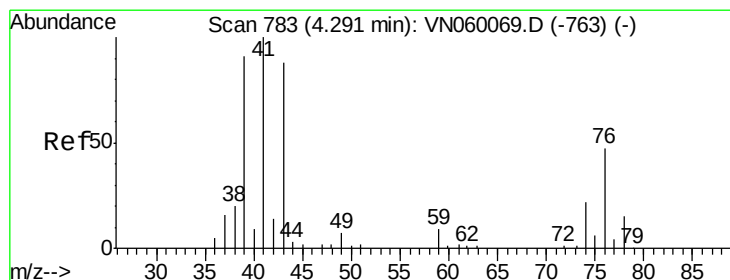
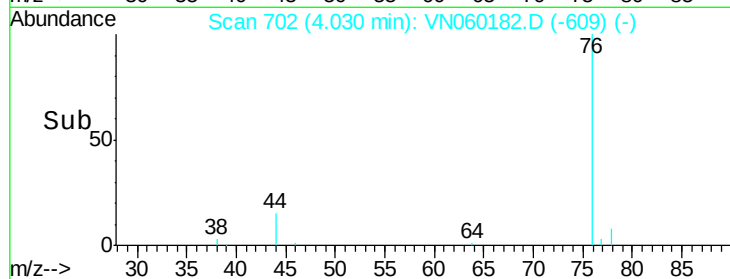
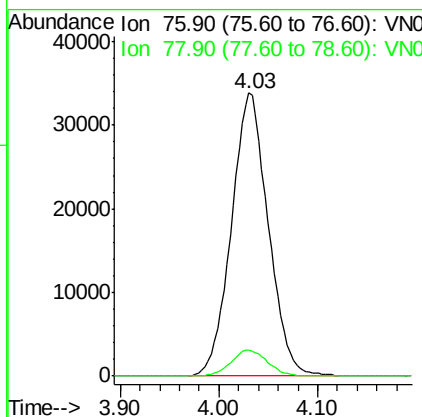
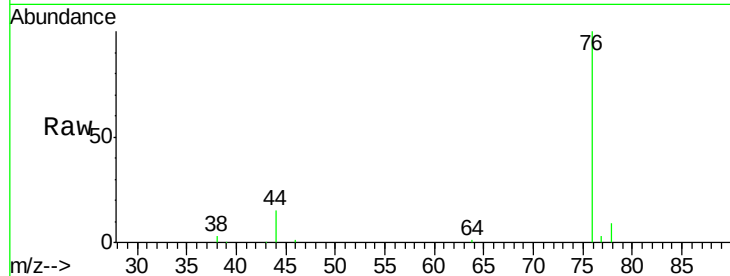
#17
Carbon Disulfide
Concen: 17.071 ug/l
RT: 4.03 min Scan# 702
Delta R.T. -0.00 min
Lab File: VN060182.D
Acq: 21 Feb 2020 11:57

Instrument :
MSVOA_N
ClientSampleId :
VN0221WBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.0	10.6

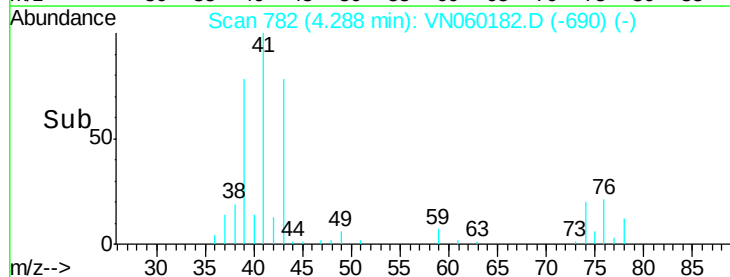
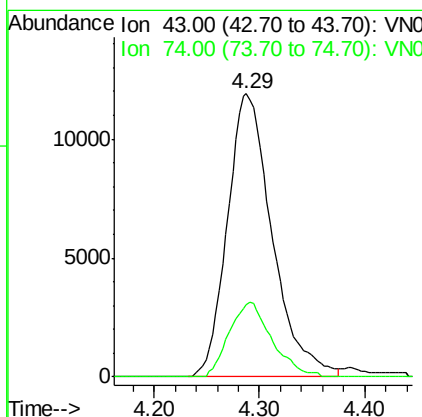
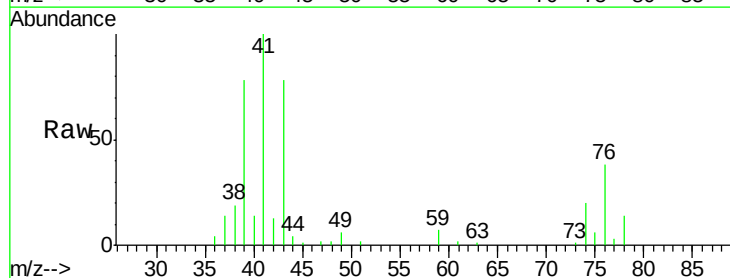
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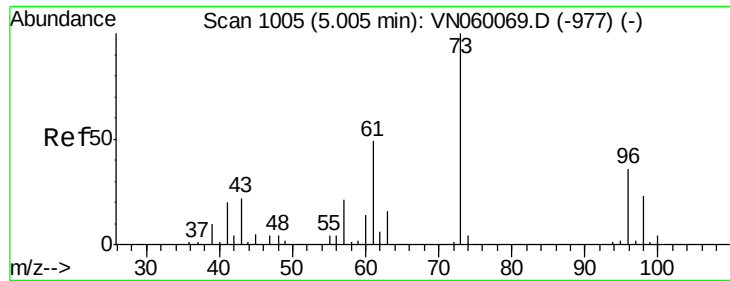
MMDadoda
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#18
Methyl Acetate
Concen: 19.546 ug/l
RT: 4.29 min Scan# 782
Delta R.T. -0.00 min
Lab File: VN060182.D
Acq: 21 Feb 2020 11:57

Tgt Ion	Ratio	Lower	Upper
43	100		
74	25.1	20.3	30.5





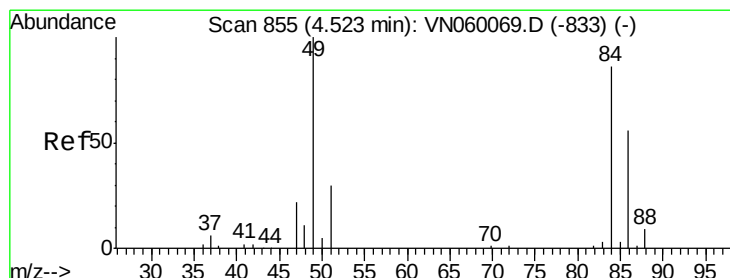
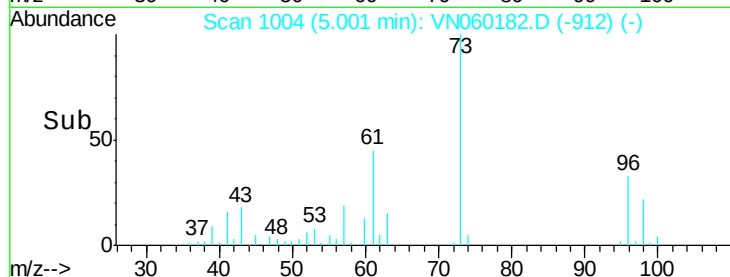
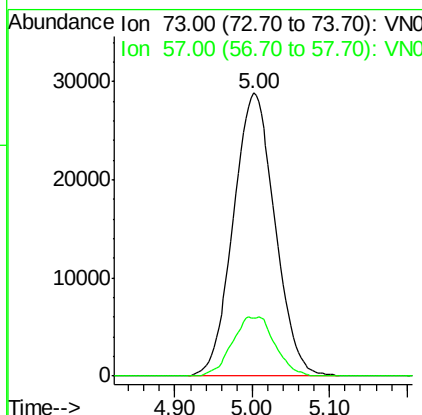
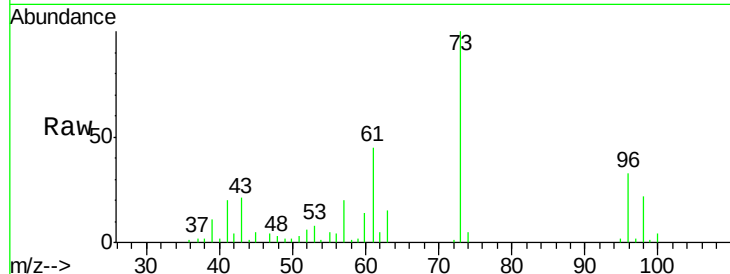
#19
Methyl tert-butyl Ether
Concen: 18.835 ug/l
RT: 5.00 min Scan# 1004
Delta R.T. -0.00 min
Lab File: VN060182.D
Acq: 21 Feb 2020 11:57

Instrument :
MSVOA_N
ClientSampleId :
VN0221WBS01

Tot Ion: 73 Resp: 107918
Ion Ratio Lower Upper
73 100
57 20.3 17.2 25.8

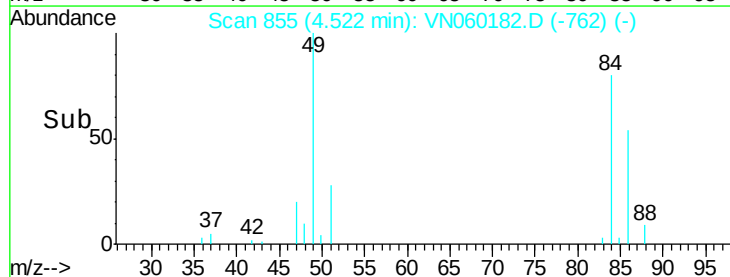
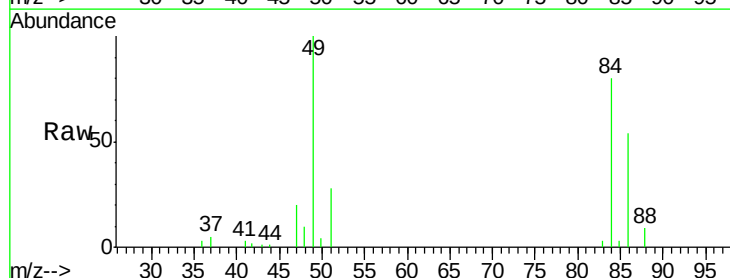
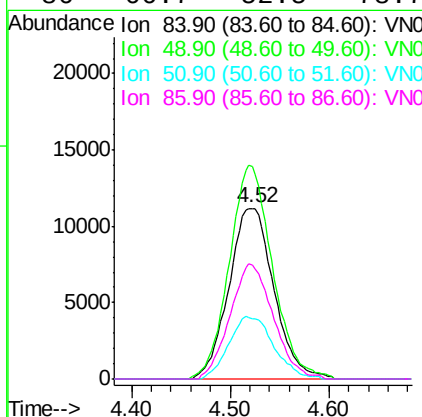
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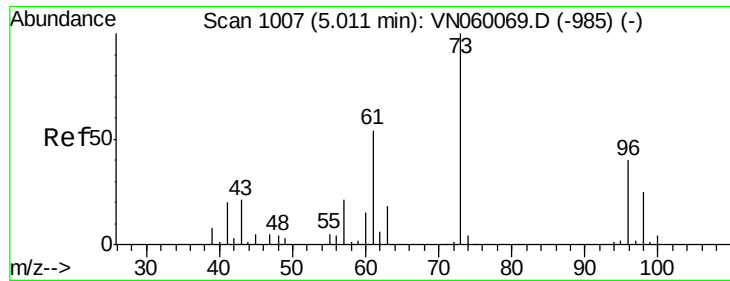
MMDadoda
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#20
Methylene Chloride
Concen: 18.602 ug/l
RT: 4.52 min Scan# 855
Delta R.T. -0.00 min
Lab File: VN060182.D
Acq: 21 Feb 2020 11:57

Tgt Ion: 84 Resp: 35497
Ion Ratio Lower Upper
84 100
49 124.3 93.4 140.0
51 35.3 28.4 42.6
86 66.7 52.5 78.7





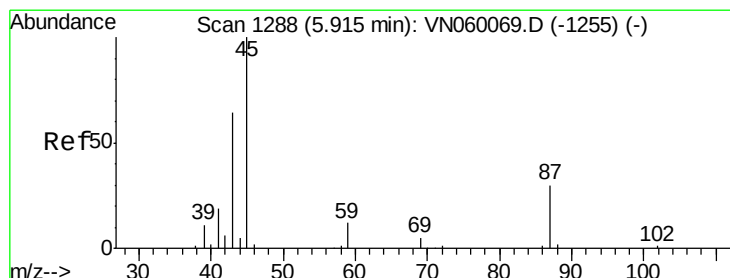
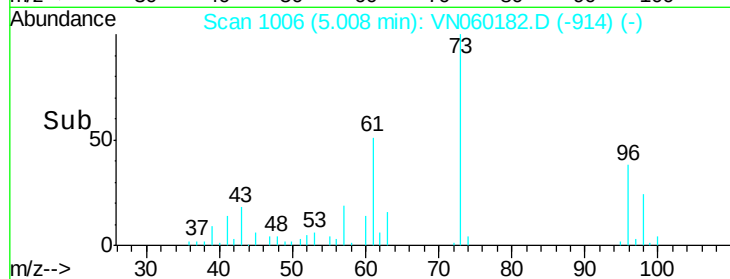
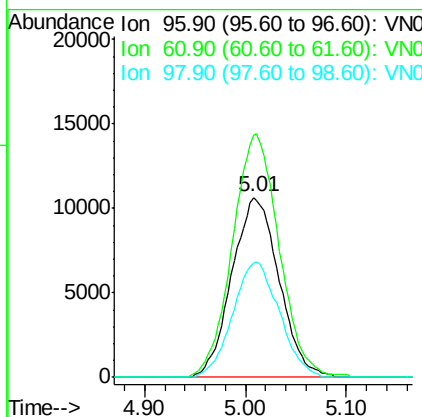
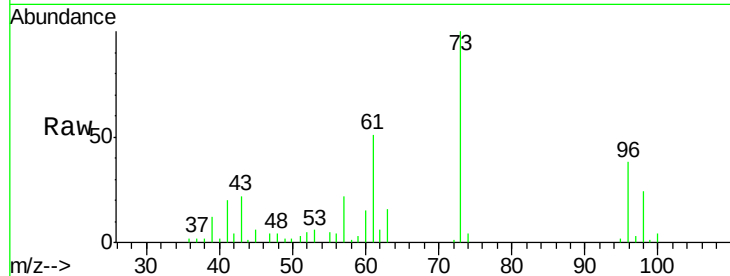
#21
trans-1,2-Dichloroethene
Concen: 18.608 ug/l
RT: 5.01 min Scan# 1006
Delta R.T. -0.00 min
Lab File: VN060182.D
Acq: 21 Feb 2020 11:57

Instrument :
MSVOA_N
ClientSampleId :
VN0221WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	134.5	109.3	163.9
98	63.4	51.0	76.6

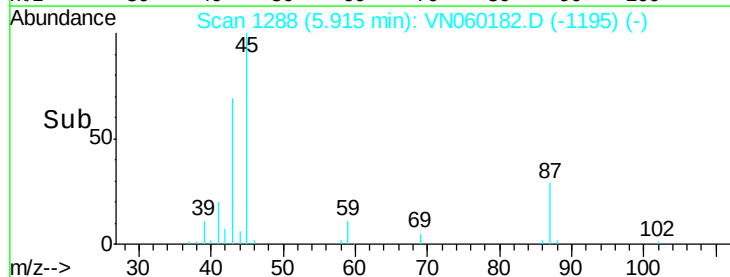
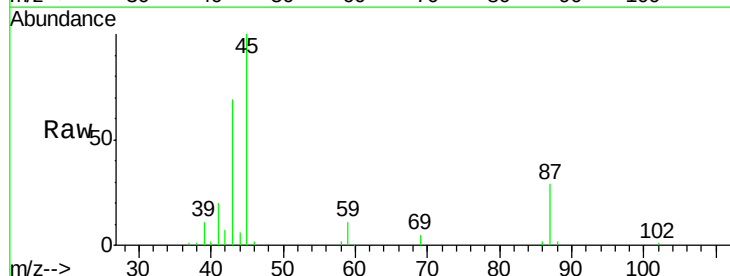
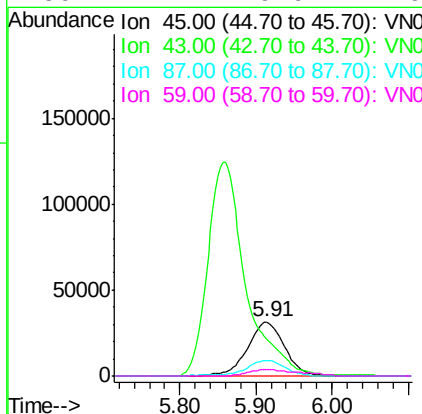
Manual Integrations
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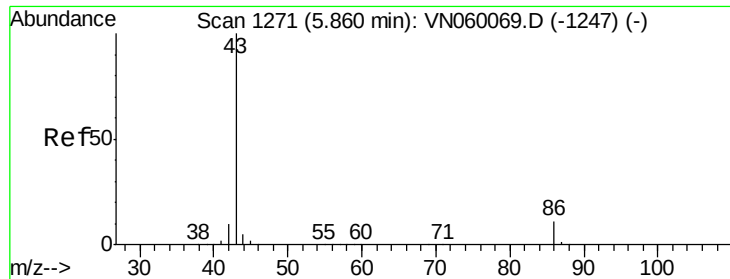
MMDadoda
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#22
Diisopropyl ether
Concen: 19.295 ug/l
RT: 5.91 min Scan# 1288
Delta R.T. -0.00 min
Lab File: VN060182.D
Acq: 21 Feb 2020 11:57

Tgt Ion	Ratio	Lower	Upper
45	100		
43	66.7	55.9	83.9
87	29.1	24.5	36.7
59	11.2	9.9	14.9





#23

Vinyl Acetate

Concen: 93.440 ug/l

RT: 5.86 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VN060182.D

Acq: 21 Feb 2020 11:57

Instrument :

MSVOA_N

ClientSampleId :

VN0221WBS01

Tot Ion: 43 Resp: 431250

Ion Ratio Lower Upper

43 100

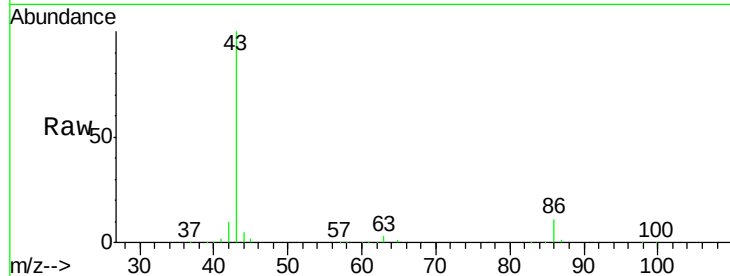
86 11.0 8.9 13.3

Manual Integrations

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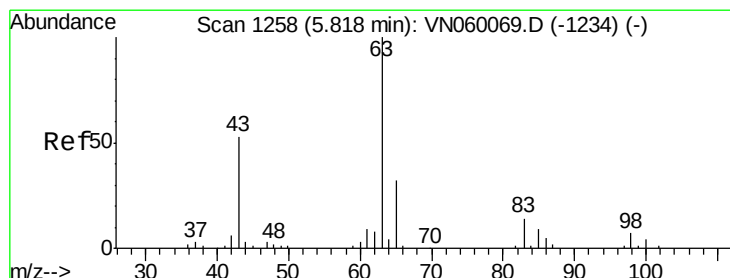
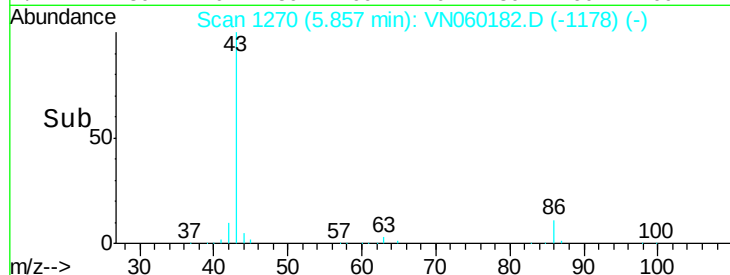
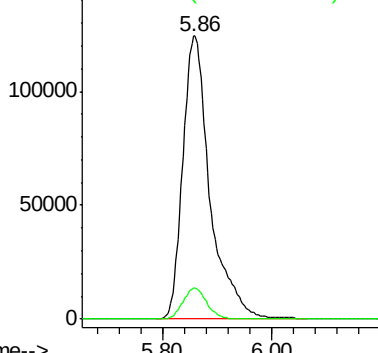
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 18.837 ug/l

RT: 5.81 min Scan# 1257

Delta R.T. -0.00 min

Lab File: VN060182.D

Acq: 21 Feb 2020 11:57

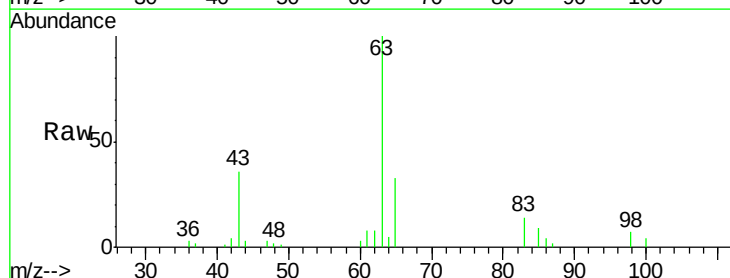
Tgt Ion: 63 Resp: 62716

Ion Ratio Lower Upper

63 100

98 7.3 3.5 10.5

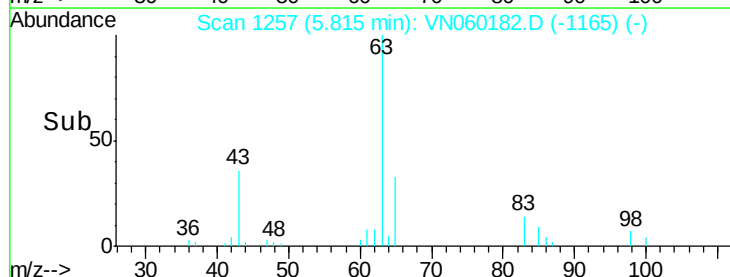
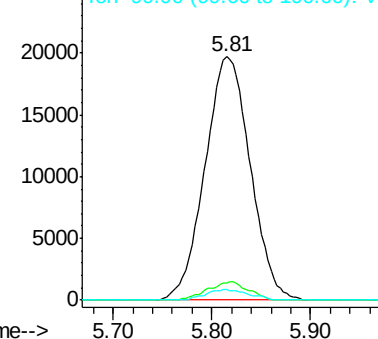
100 4.3 2.2 6.6

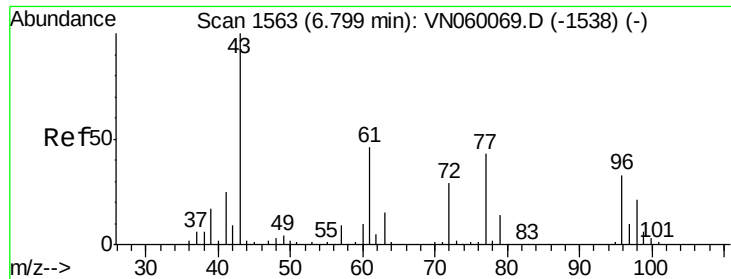


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 87.192 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. -0.00 min

Lab File: VN060182.D

Acq: 21 Feb 2020 11:57

Instrument :

MSVOA_N

ClientSampleId :

VN0221WBS01

Tot Ion: 43 Resp: 104889

Ion Ratio Lower Upper

43 100

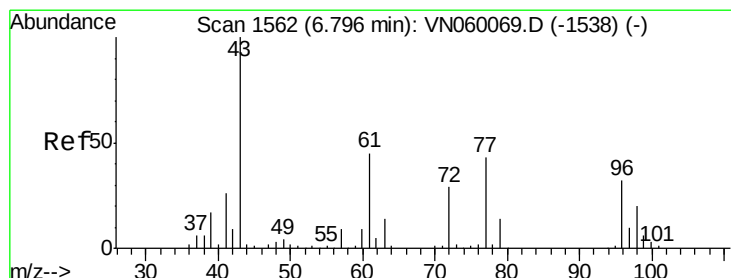
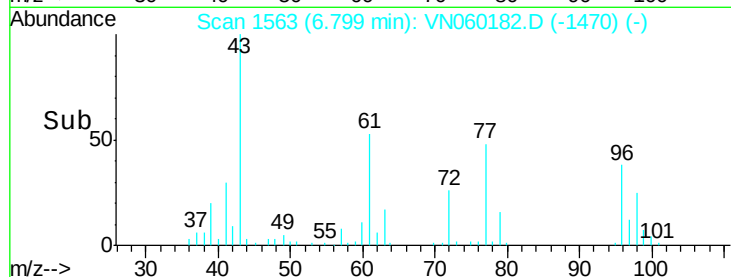
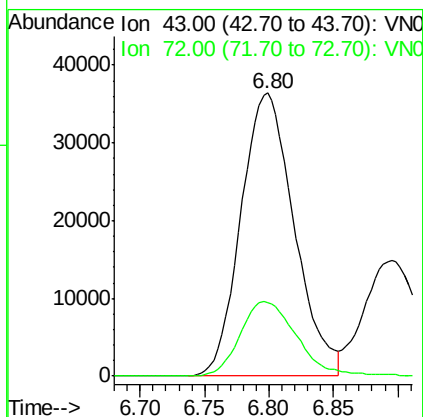
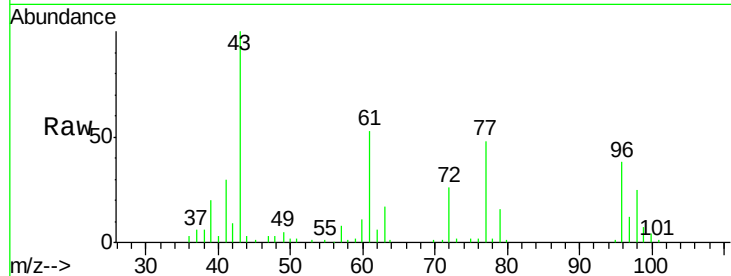
72 26.2 23.3 34.9

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 18.582 ug/l

RT: 6.79 min Scan# 1561

Delta R.T. -0.00 min

Lab File: VN060182.D

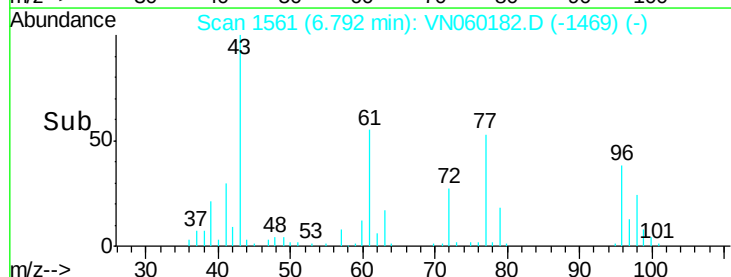
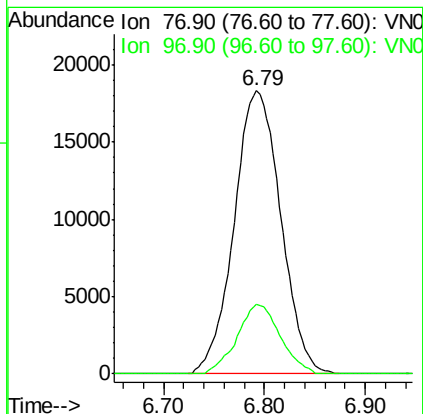
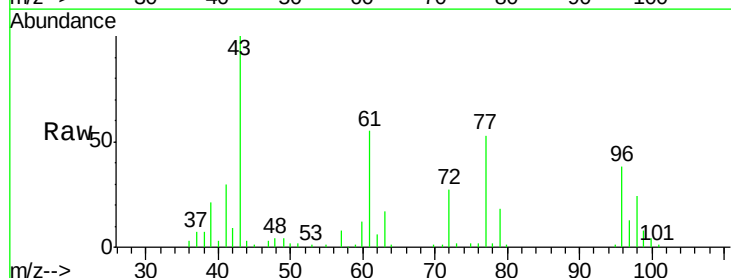
Acq: 21 Feb 2020 11:57

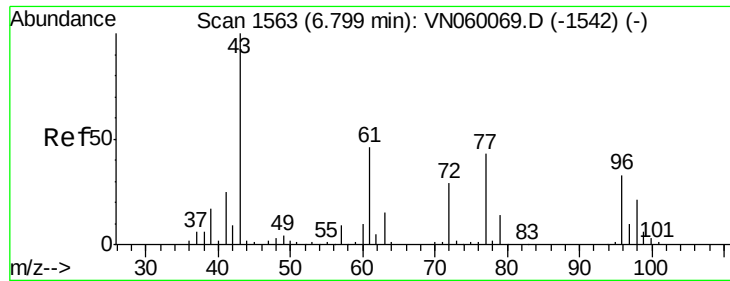
Tgt Ion: 77 Resp: 58760

Ion Ratio Lower Upper

77 100

97 22.8 11.4 34.2





#27

cis-1,2-Dichloroethene

Concen: 18.408 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. -0.00 min

Lab File: VN060182.D

Acq: 21 Feb 2020 11:57

Instrument :

MSVOA_N

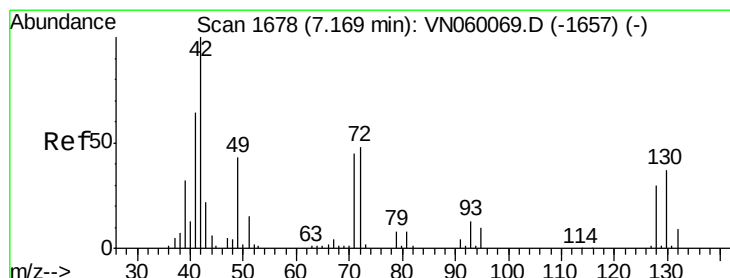
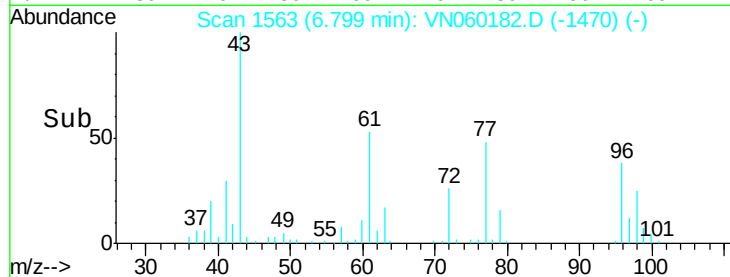
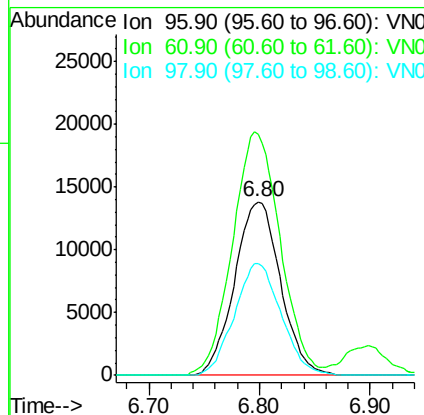
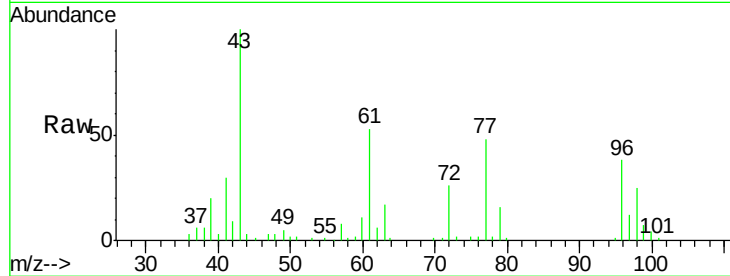
ClientSampleId :

VN0221WBS01

Tot Ion:	96	Resp:	40011
Ion	Ratio	Lower	Upper
96	100		
61	145.2	0.0	285.8
98	65.3	0.0	129.6

Manual Integrations
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#28

Bromochloromethane

Concen: 18.422 ug/l

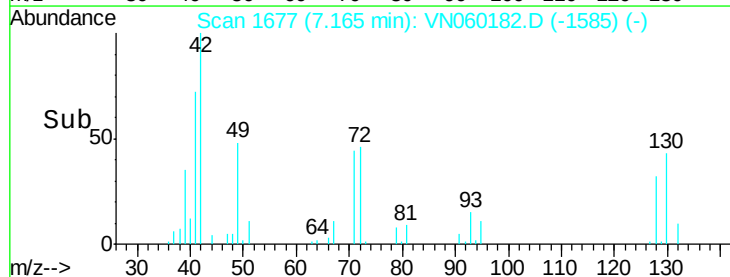
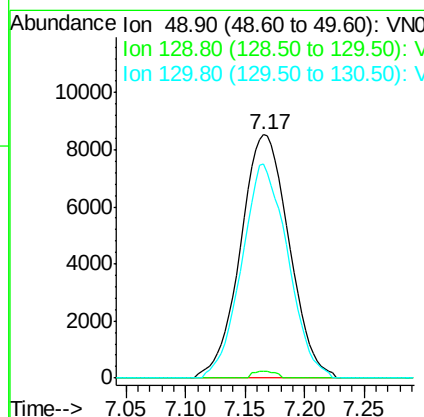
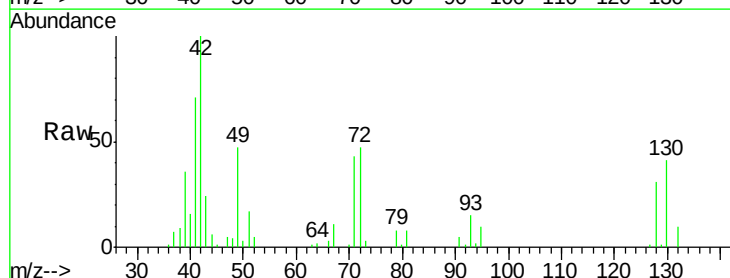
RT: 7.17 min Scan# 1677

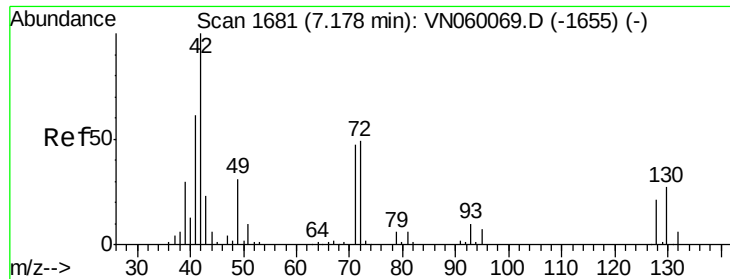
Delta R.T. -0.00 min

Lab File: VN060182.D

Acq: 21 Feb 2020 11:57

Tgt Ion:	49	Resp:	24113
Ion	Ratio	Lower	Upper
49	100		
129	1.3	0.0	2.2
130	83.4	66.8	100.2





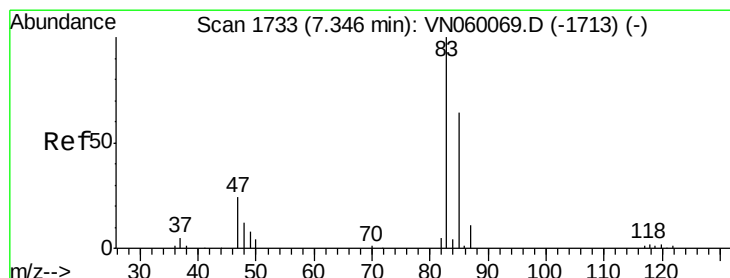
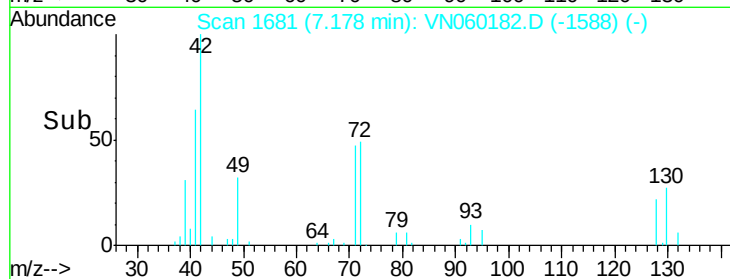
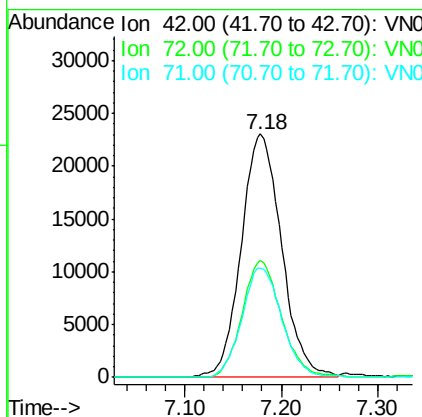
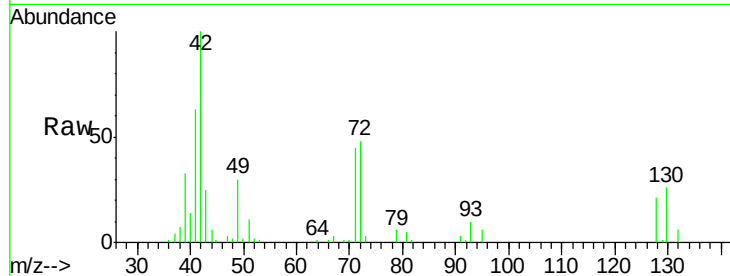
#29
Tetrahydrofuran
Concen: 90.569 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. -0.00 min
Lab File: VN060182.D
Acq: 21 Feb 2020 11:57

Instrument :
MSVOA_N
ClientSampleId :
VN0221WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.6	38.2	57.4
71	44.6	36.6	54.8

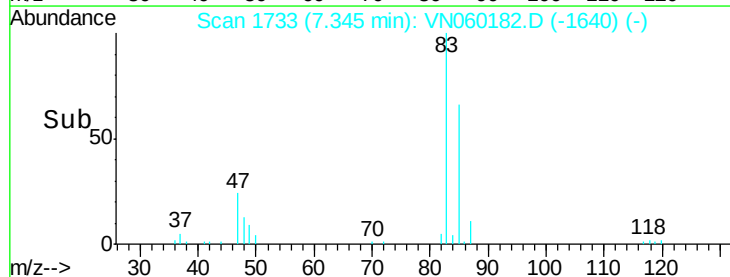
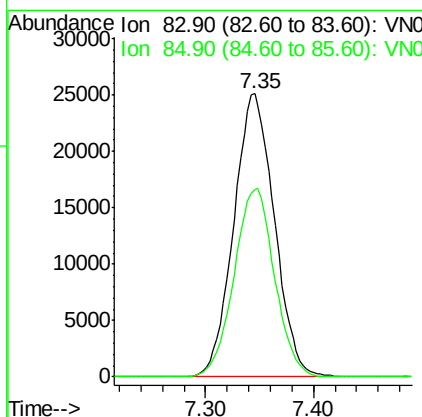
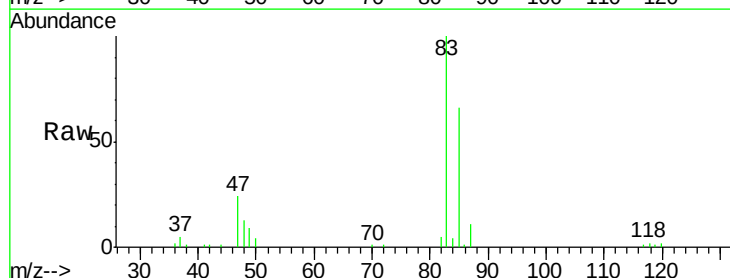
Manual Integrations
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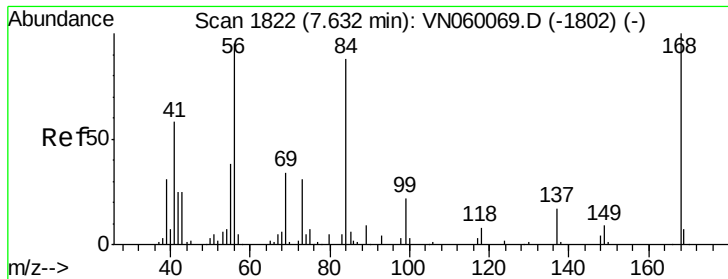
MMDadoda
2/24/2020 11:41:06 AM



#30
Chloroform
Concen: 18.848 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. -0.00 min
Lab File: VN060182.D
Acq: 21 Feb 2020 11:57

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.4	51.4	77.0





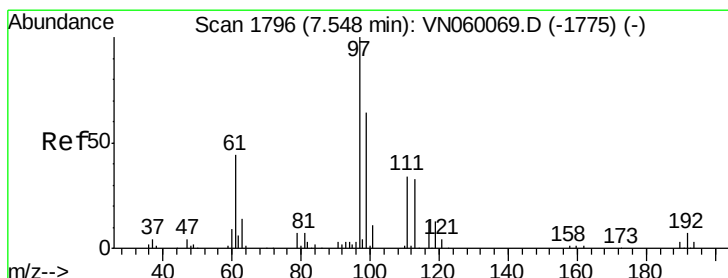
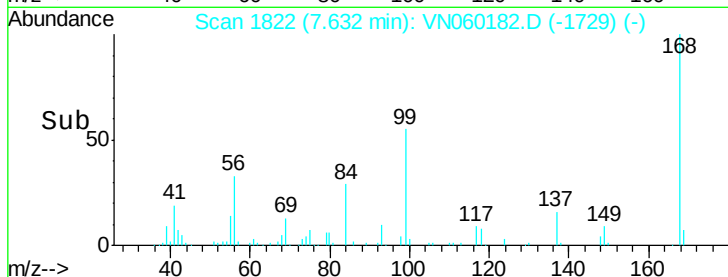
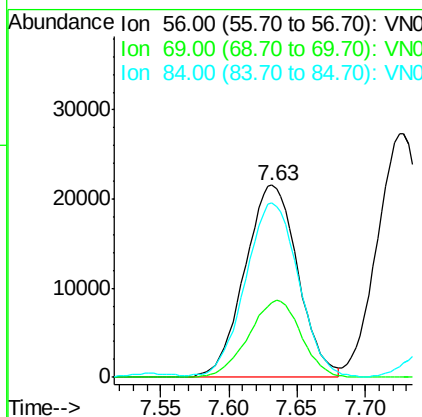
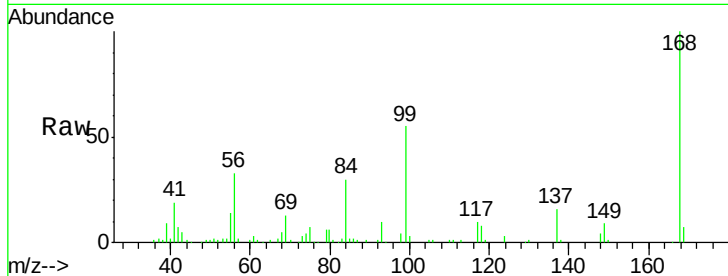
#31
Cyclohexane
Concen: 18.762 ug/l
RT: 7.63 min Scan# 1822
Delta R.T. -0.00 min
Lab File: VN060182.D
Acq: 21 Feb 2020 11:57

Instrument :
MSVOA_N
ClientSampleId :
VN0221WBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	39.0	28.3	42.5
84	89.5	72.6	108.8

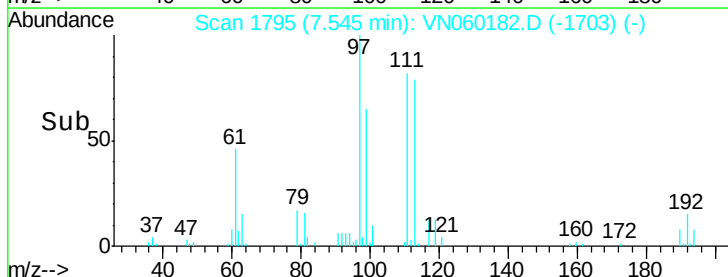
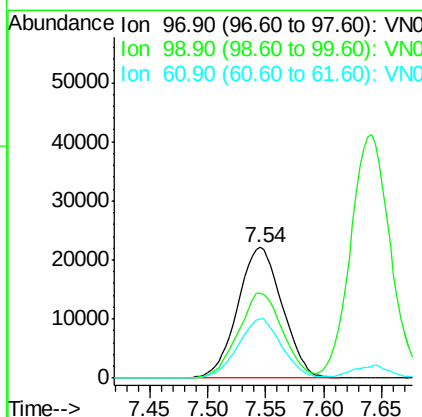
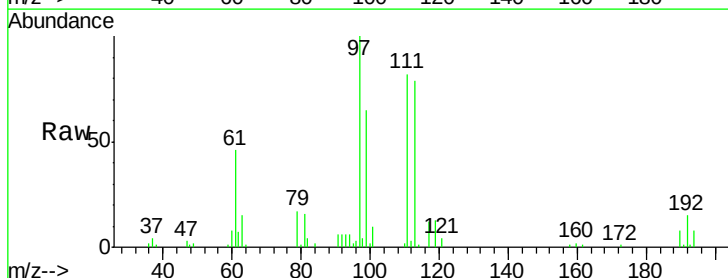
Manual Integrations
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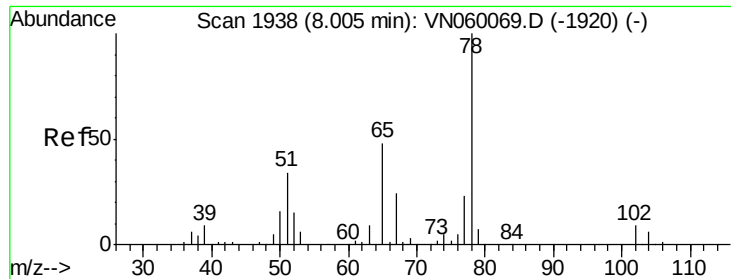
MMDadoda
2/24/2020 11:41:06 AM



#32
1,1,1-Trichloroethane
Concen: 18.575 ug/l
RT: 7.54 min Scan# 1795
Delta R.T. -0.00 min
Lab File: VN060182.D
Acq: 21 Feb 2020 11:57

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.8	51.4	77.0
61	44.5	34.9	52.3





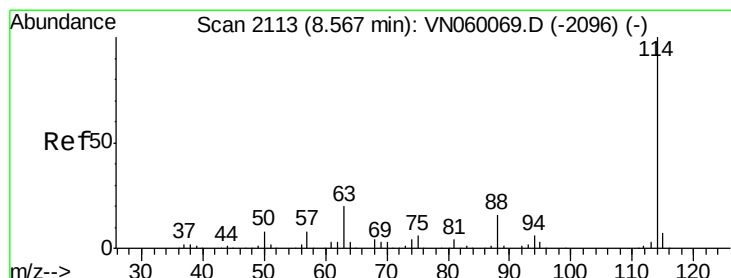
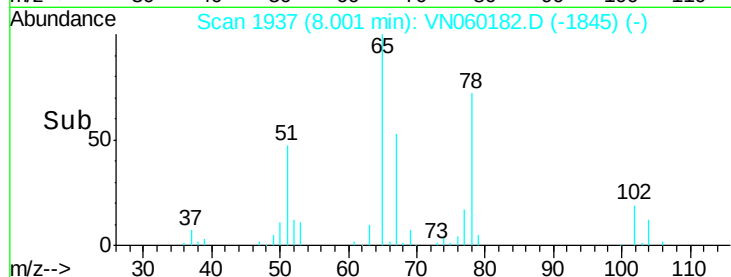
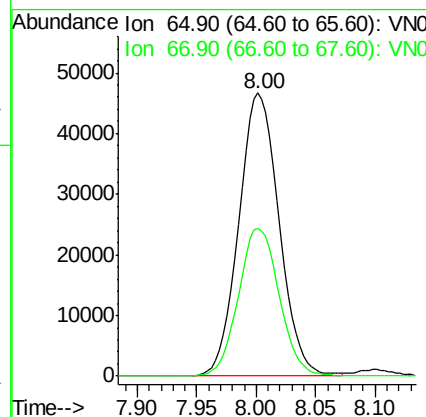
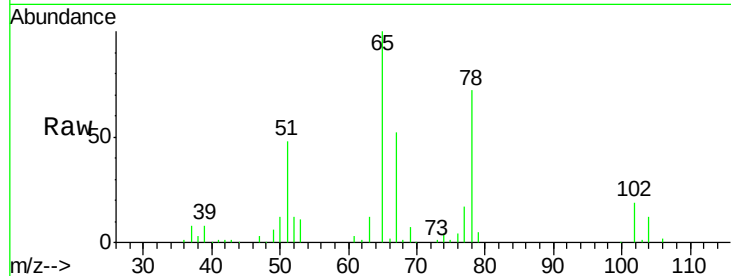
#33
 1,2-Dichloroethane-d4
 Concen: 49.989 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VN060182.D
 Acq: 21 Feb 2020 11:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0221WBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	109617		
67	52.8	0.0	104.0	

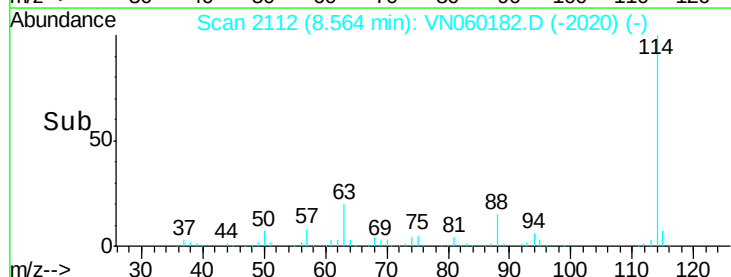
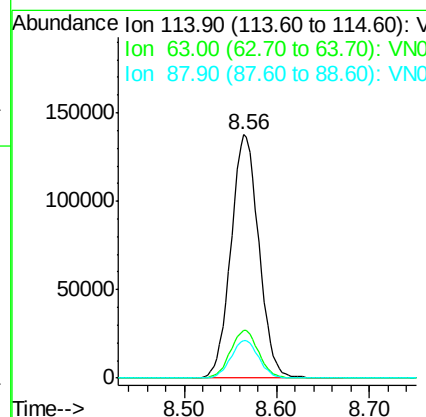
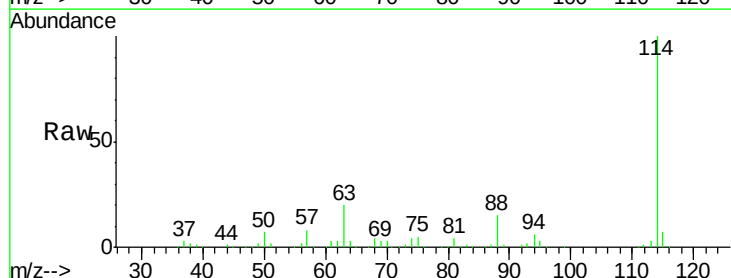
Manual Integrations
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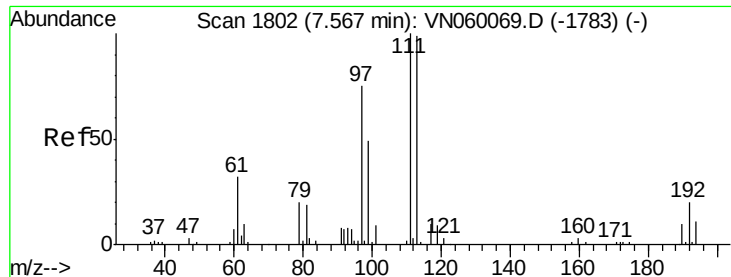
MMDadoda
 2/24/2020 11:41:06 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.56 min Scan# 2112
 Delta R.T. -0.00 min
 Lab File: VN060182.D
 Acq: 21 Feb 2020 11:57

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	286726		
63	19.6	0.0	40.0	
88	15.4	0.0	31.6	





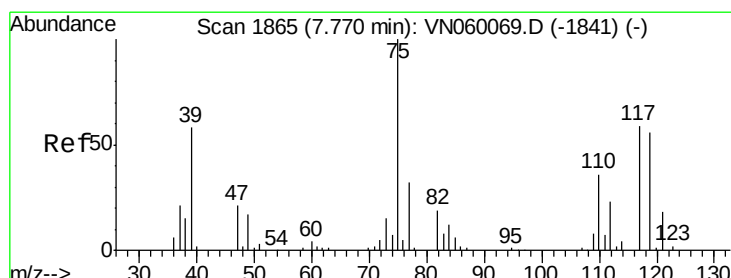
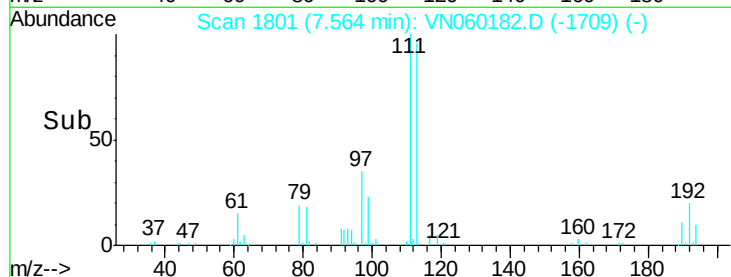
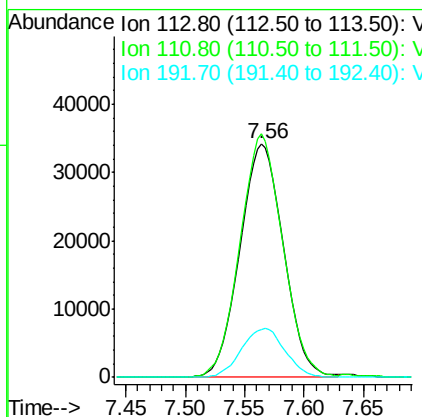
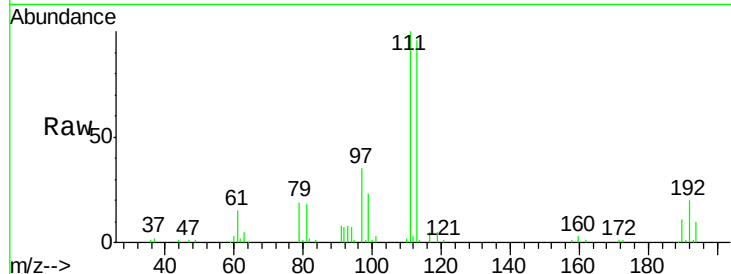
#35
Dibromofluoromethane
Concen: 49.269 ug/l
RT: 7.56 min Scan# 1801
Delta R.T. -0.00 min
Lab File: VN060182.D
Acq: 21 Feb 2020 11:57

Instrument :
MSVOA_N
ClientSampleId :
VN0221WBS01

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.1	81.4	122.2
192	20.9	16.2	24.2

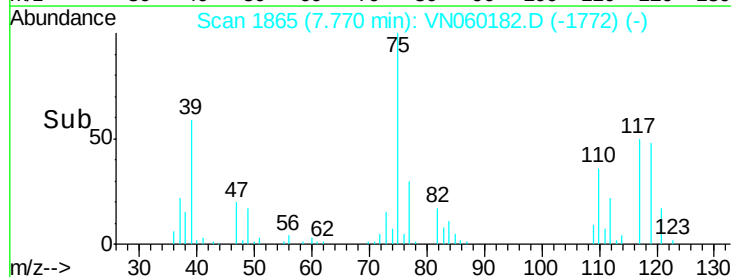
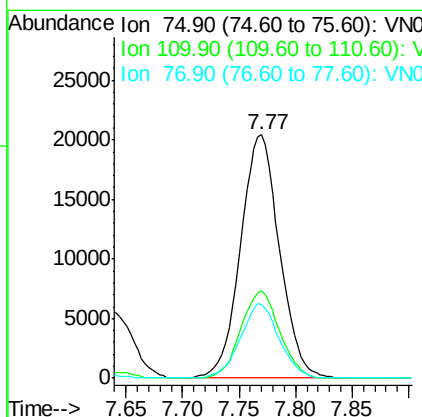
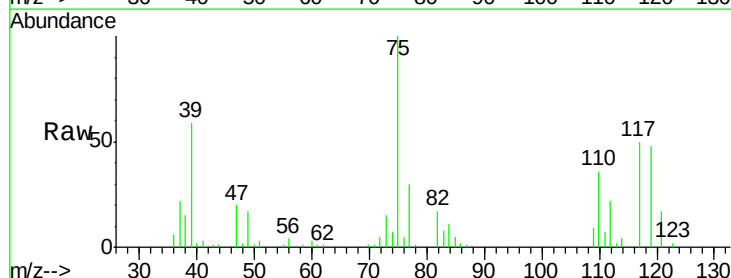
Manual Integrations
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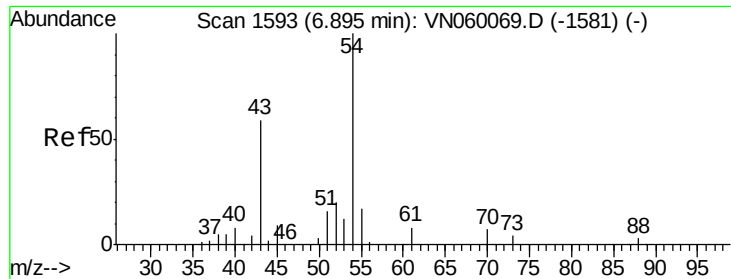
MMDadoda
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#36
1,1-Dichloropropene
Concen: 18.419 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. -0.00 min
Lab File: VN060182.D
Acq: 21 Feb 2020 11:57

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.5	18.1	54.3
77	30.3	25.1	37.7





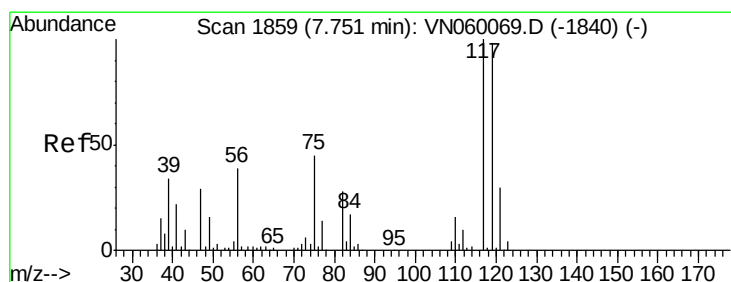
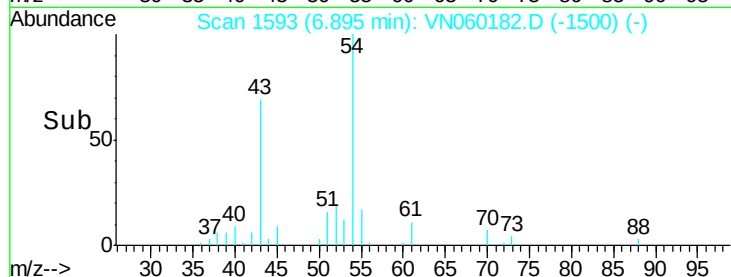
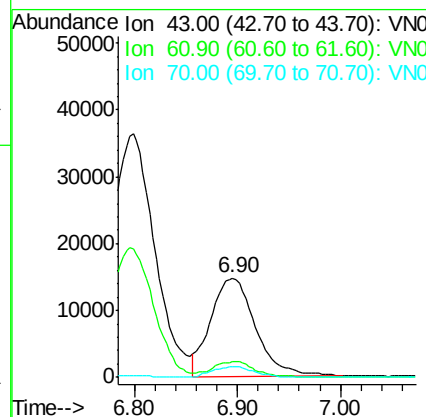
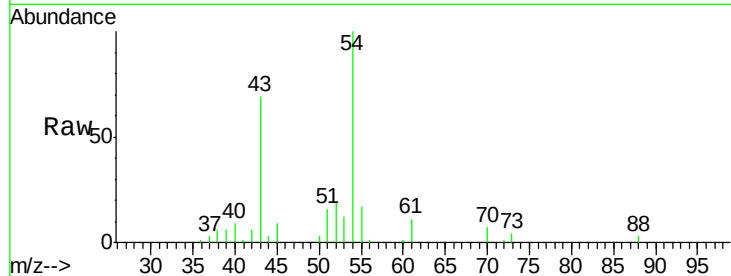
#37
Ethyl Acetate
Concen: 18.385 ug/l
RT: 6.90 min Scan# 1593
Delta R.T. -0.00 min
Lab File: VN060182.D
Acq: 21 Feb 2020 11:57

Instrument :
MSVOA_N
ClientSampled :
VN0221WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.1	11.4	17.2
70	10.0	8.7	13.1

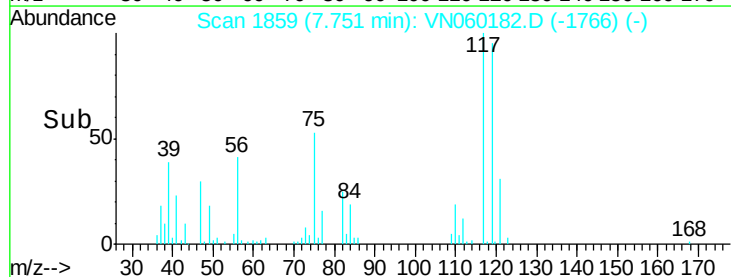
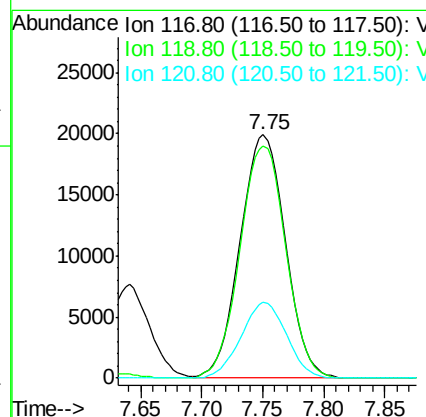
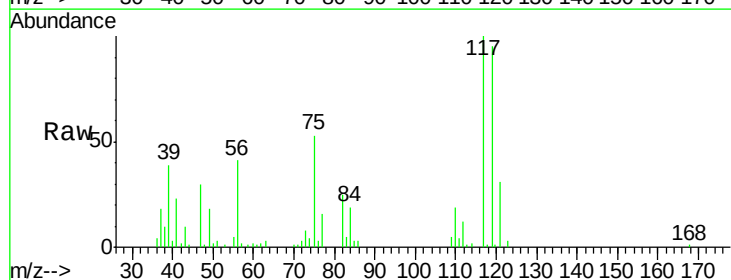
Manual Integrations
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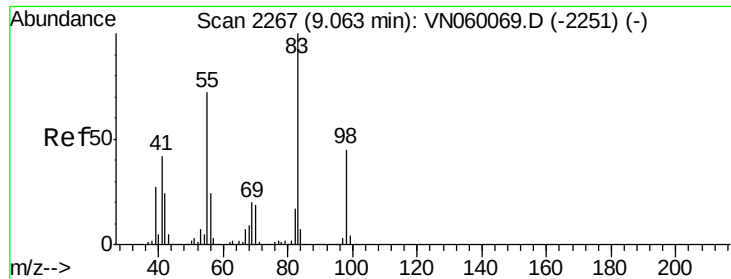
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#38
Carbon Tetrachloride
Concen: 17.795 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. -0.00 min
Lab File: VN060182.D
Acq: 21 Feb 2020 11:57

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.3	78.2	117.4
121	31.3	24.2	36.2





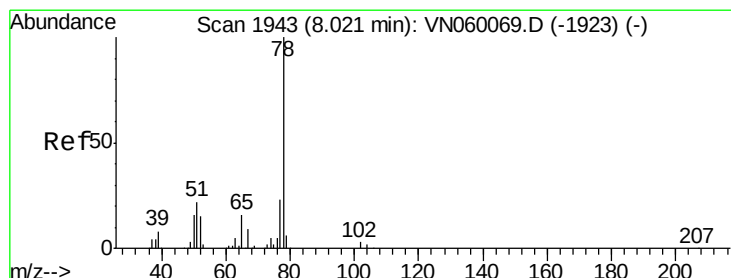
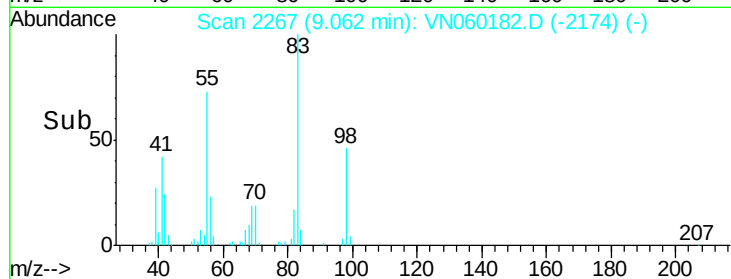
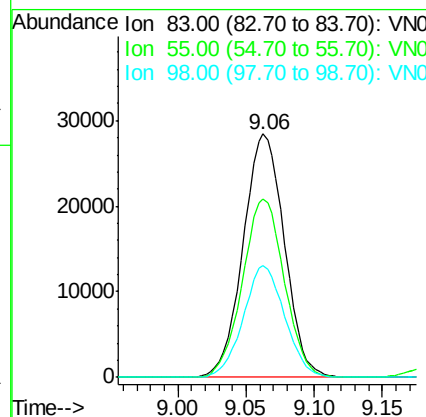
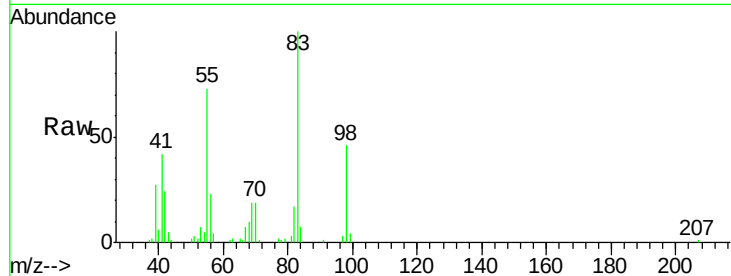
#39
Methylvlcyclohexane
Concen: 18.055 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. -0.00 min
Lab File: VN060182.D
Acq: 21 Feb 2020 11:57

Instrument :
MSVOA_N
ClientSampleId :
VN0221WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	73.1	57.8	86.8
98	45.9	36.4	54.6

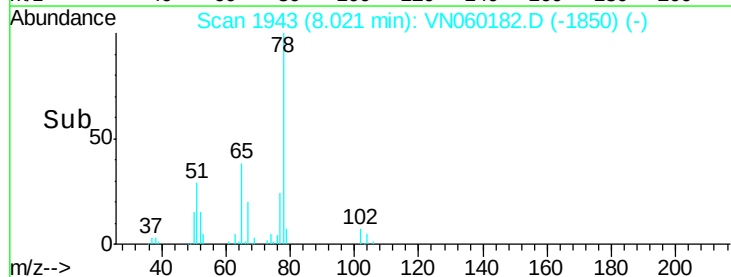
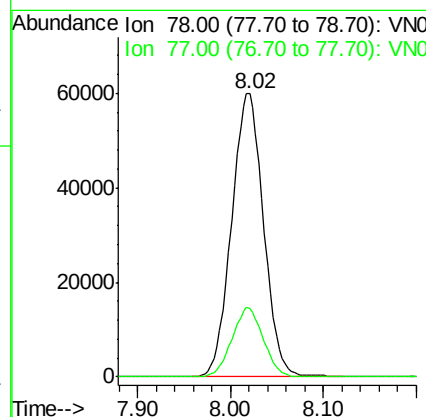
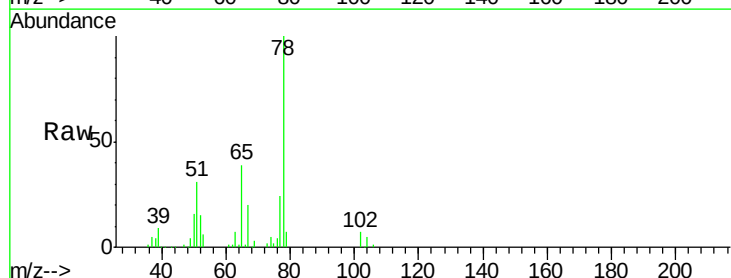
Manual Integrations
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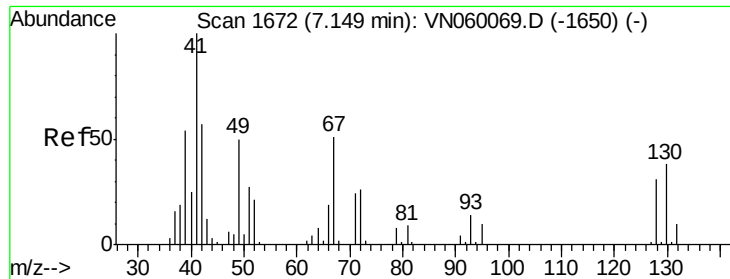
MMDadoda
2/24/2020 11:41:06 AM



#40
Benzene
Concen: 18.133 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. -0.00 min
Lab File: VN060182.D
Acq: 21 Feb 2020 11:57

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.3	18.8	28.2





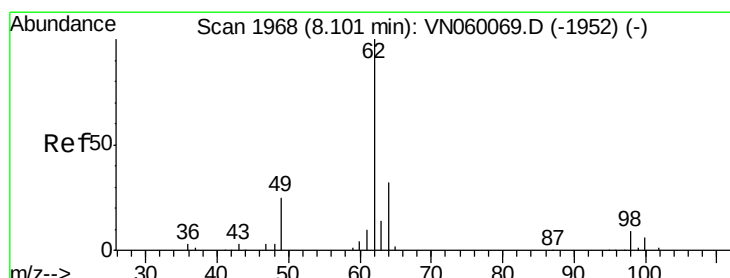
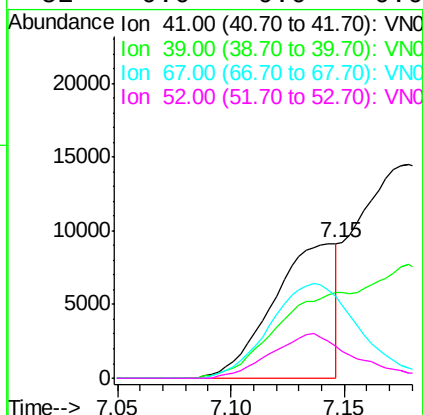
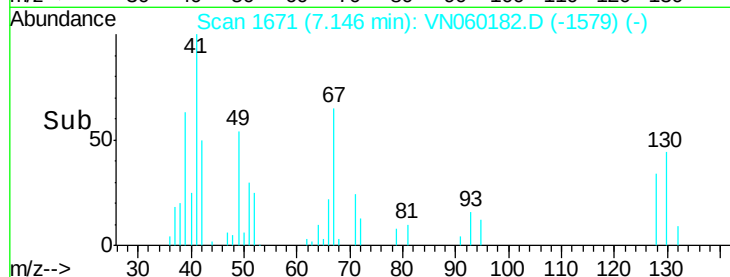
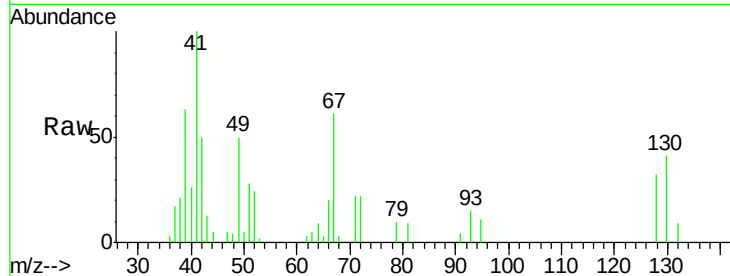
#41
Methacrylonitrile
Concen: 17.575 ug/l m
RT: 7.15 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VN060182.D
Acq: 21 Feb 2020 11:57

Instrument :
MSVOA_N
ClientSampleId :
VN0221WBS01

Tot Ion	41	Resp	17691
Ion Ratio	Lower	Upper	
41	100		
39	191.1	0.0	0.0#
67	0.0	0.0	0.0
52	0.0	0.0	0.0

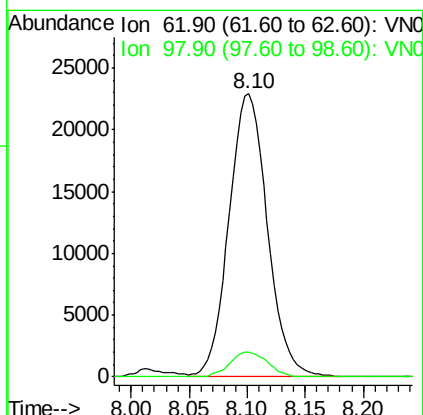
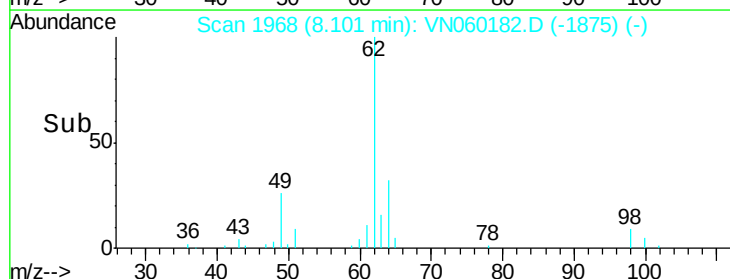
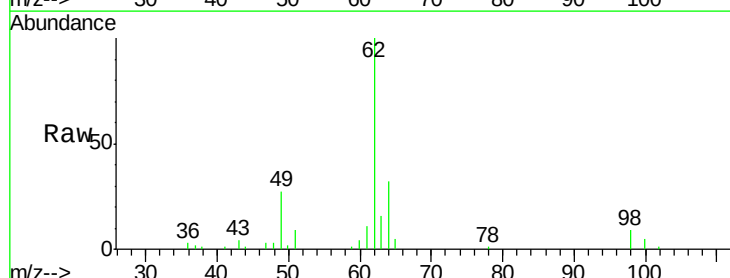
Manual Integrations
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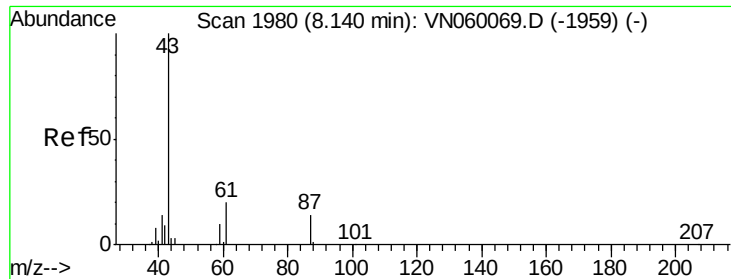
MMDadoda
2/24/2020 11:41:06 AM



#42
1,2-Dichloroethane
Concen: 19.168 ug/l
RT: 8.10 min Scan# 1968
Delta R.T. -0.00 min
Lab File: VN060182.D
Acq: 21 Feb 2020 11:57

Tgt Ion	62	Resp	52925
Ion Ratio	Lower	Upper	
62	100		
98	8.5	0.0	18.2





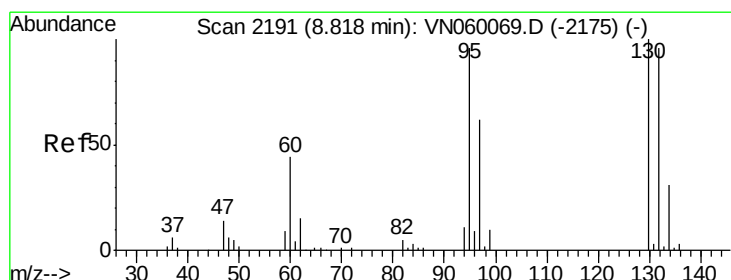
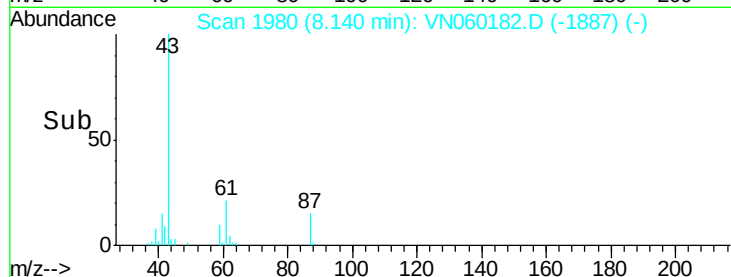
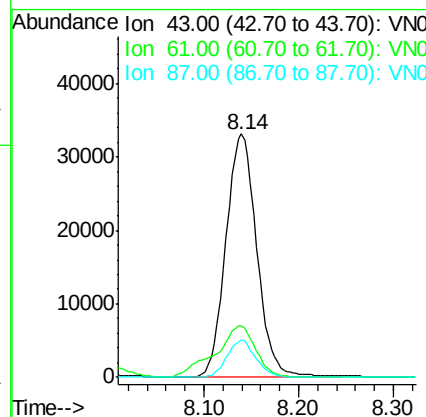
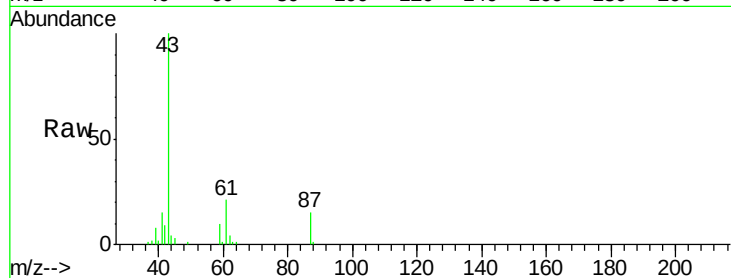
#43
Isopropyl Acetate
Concen: 18.380 ug/l
RT: 8.14 min Scan# 1980
Delta R.T. -0.00 min
Lab File: VN060182.D
Acq: 21 Feb 2020 11:57

Instrument :
MSVOA_N
ClientSampleId :
VN0221WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	27.6	21.8	32.6
87	14.0	11.4	17.2

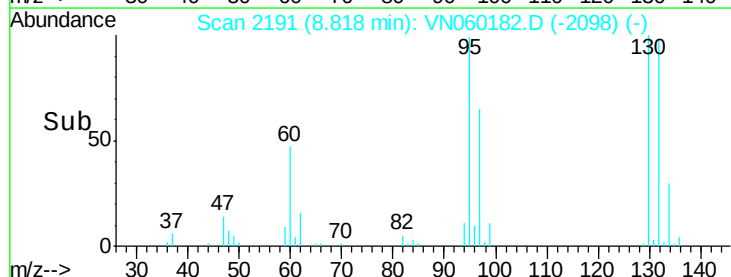
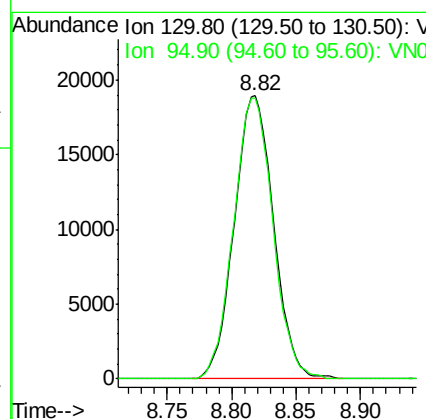
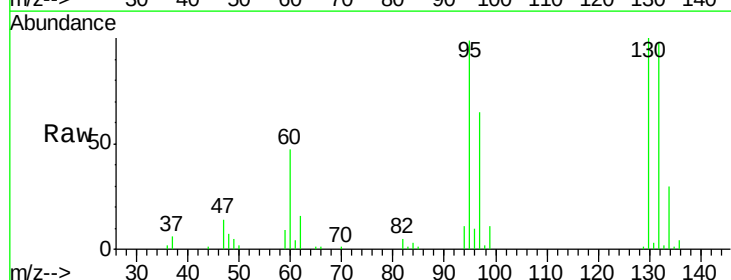
Manual Integrations
APPROVED

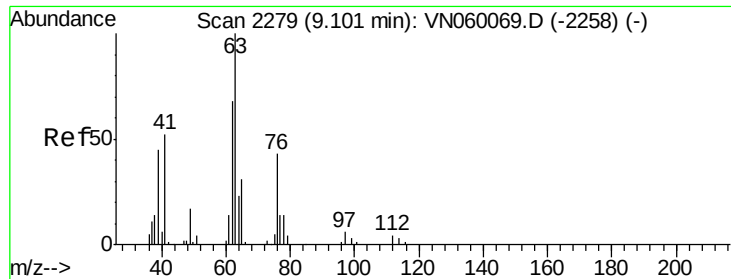
MMDadoda
2/24/2020 11:41:06 AM



#44
Trichloroethene
Concen: 18.385 ug/l
RT: 8.82 min Scan# 2191
Delta R.T. -0.00 min
Lab File: VN060182.D
Acq: 21 Feb 2020 11:57

Tgt Ion	Ratio	Lower	Upper
130	100		
95	99.3	0.0	192.4





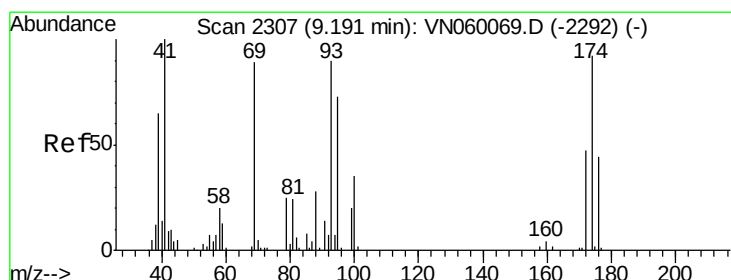
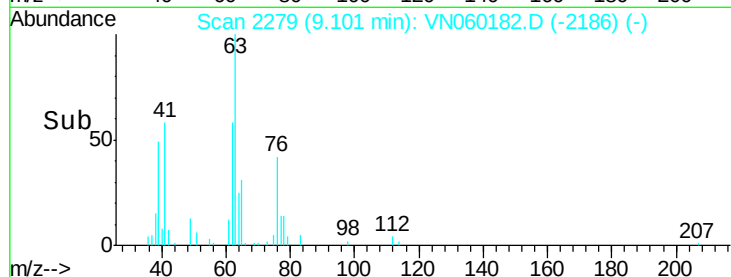
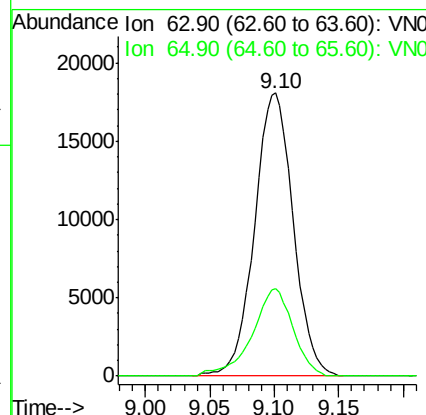
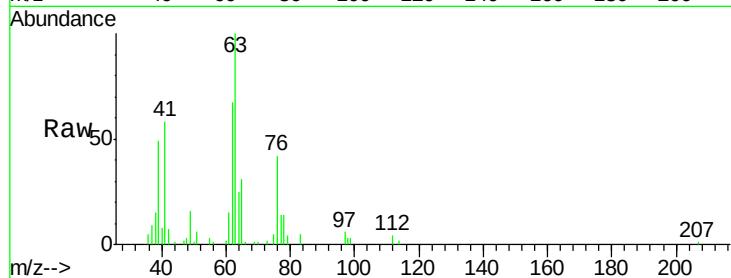
#45
 1,2-Dichloropropane
 Concen: 19.407 ug/l
 RT: 9.10 min Scan# 2279
 Delta R.T. -0.00 min
 Lab File: VN060182.D
 Acq: 21 Feb 2020 11:57

Instrument :
 MSVOA_N
 ClientSampled :
 VN0221WBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.0	25.0	37.4

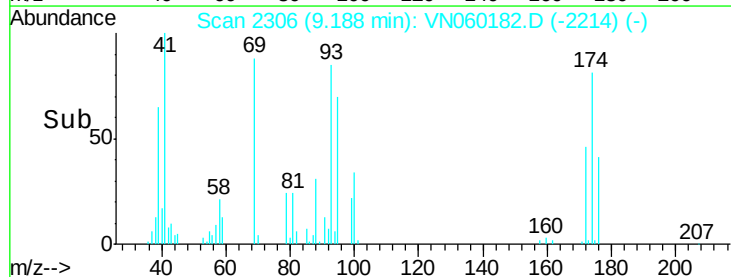
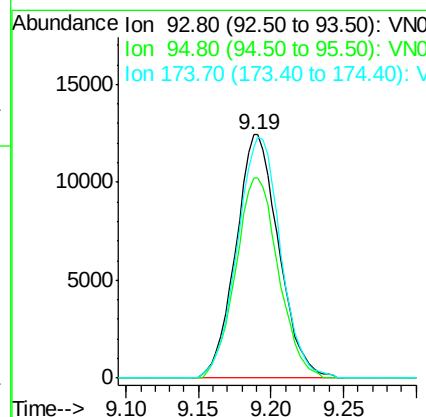
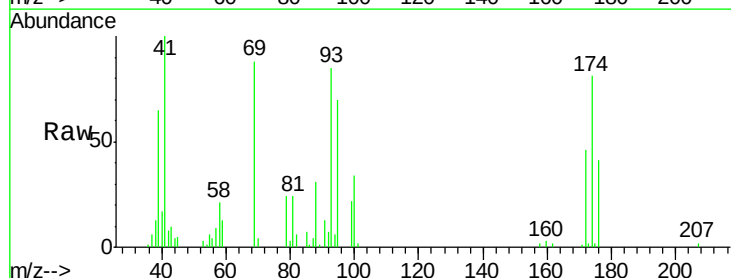
Manual Integrations
 APPROVED

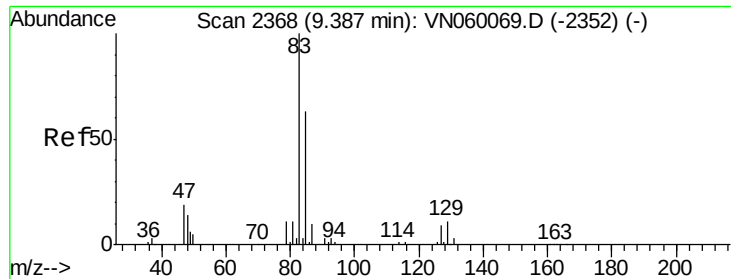
MMDadoda
 2/24/2020 11:41:06 AM



#46
 Dibromomethane
 Concen: 18.528 ug/l
 RT: 9.19 min Scan# 2306
 Delta R.T. -0.00 min
 Lab File: VN060182.D
 Acq: 21 Feb 2020 11:57

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.0	65.0	97.6
174	99.9	82.3	123.5





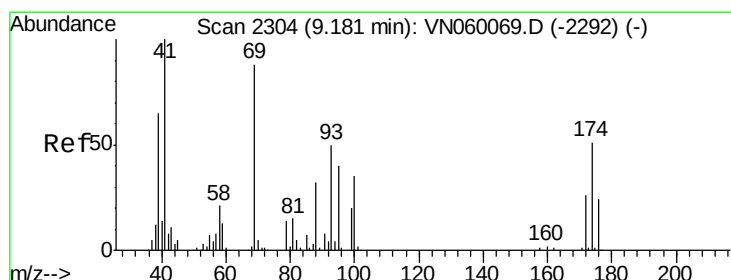
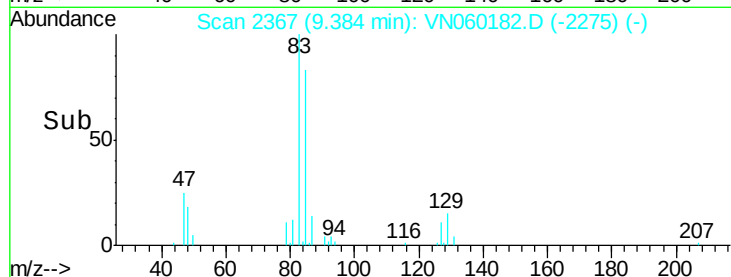
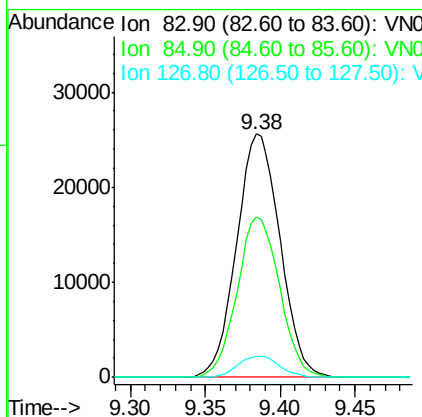
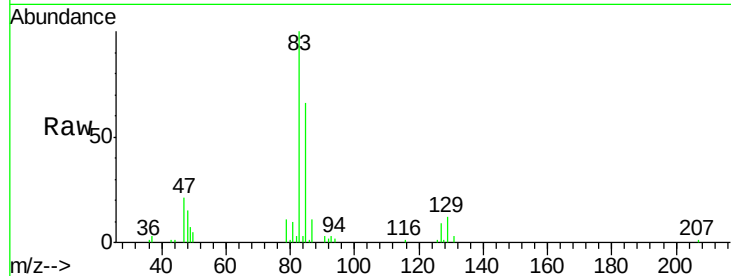
#47
Bromodichloromethane
Concen: 18.469 ug/l
RT: 9.38 min Scan# 2367
Delta R.T. -0.00 min
Lab File: VN060182.D
Acq: 21 Feb 2020 11:57

Instrument :
MSVOA_N
ClientSampleId :
VN0221WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
85	66.0	50.6	75.8
127	8.6	7.0	10.6

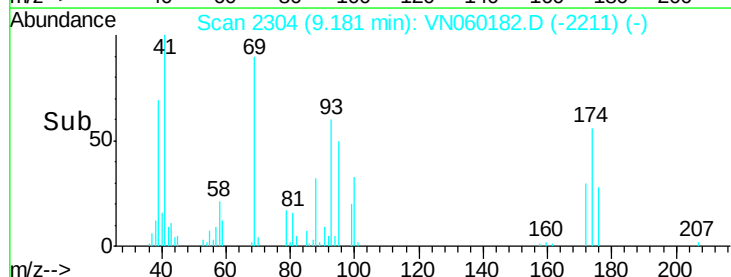
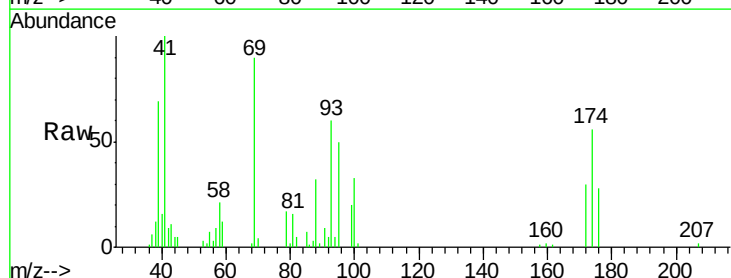
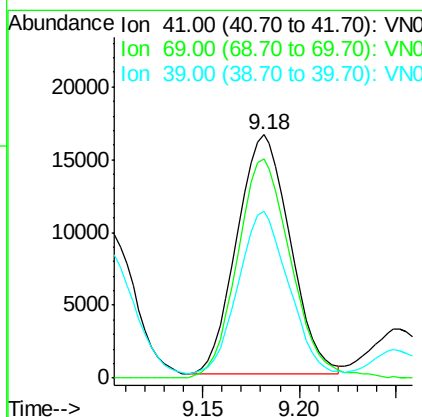
Manual Integrations
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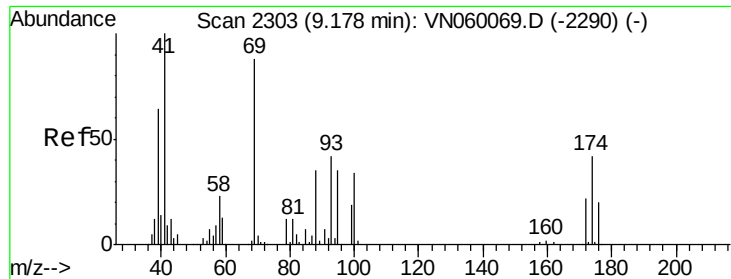
MMDadoda
2/24/2020 11:41:06 AM



#48
Methyl methacrylate
Concen: 17.131 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. -0.00 min
Lab File: VN060182.D
Acq: 21 Feb 2020 11:57

Tgt Ion	Ratio	Lower	Upper
41	100		
69	92.3	72.0	108.0
39	65.0	54.1	81.1





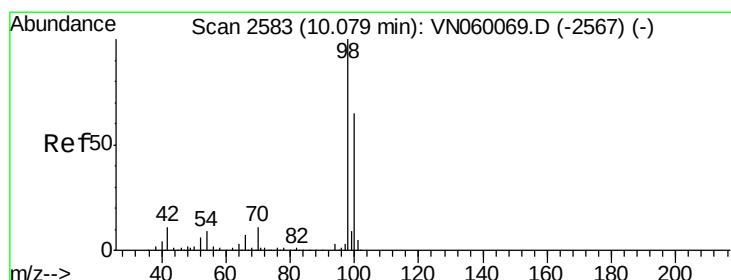
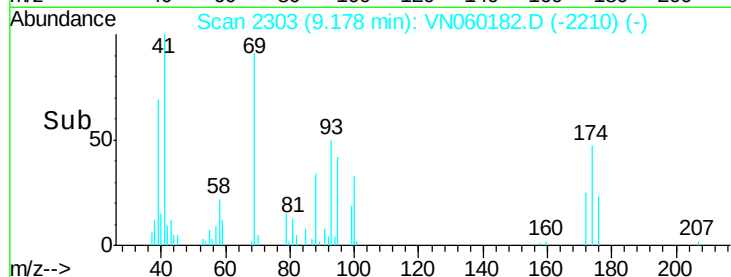
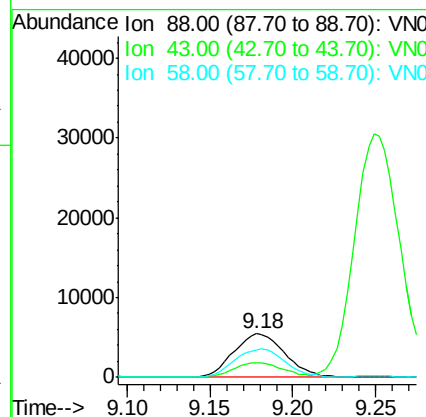
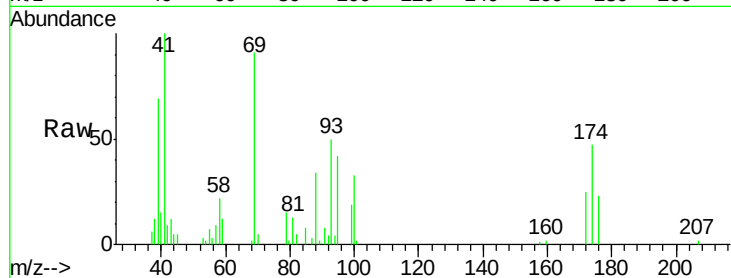
#49
1,4-Dioxane
Concen: 373.384 ug/l
RT: 9.18 min Scan# 2303
Delta R.T. -0.00 min
Lab File: VN060182.D
Acq: 21 Feb 2020 11:57

Instrument :
MSVOA_N
ClientSampleId :
VN0221WBS01

Tot Ion	88	Resp	11744
Ion	Ratio	Lower	Upper
88	100		
43	33.2	26.2	39.2
58	64.1	53.2	79.8

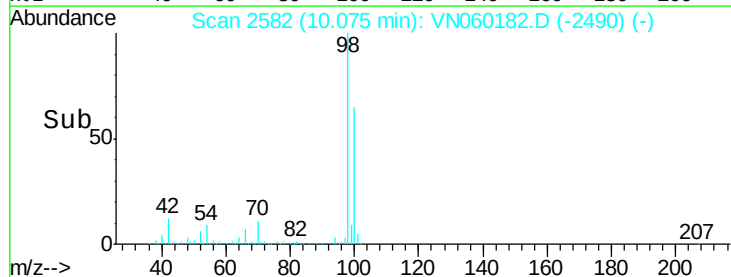
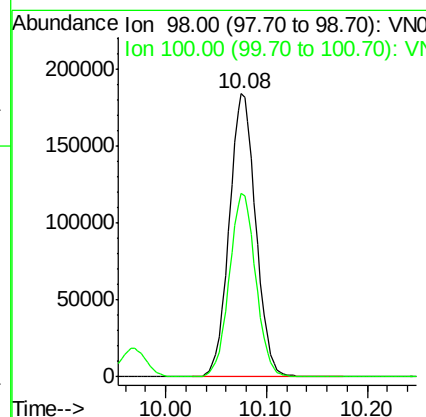
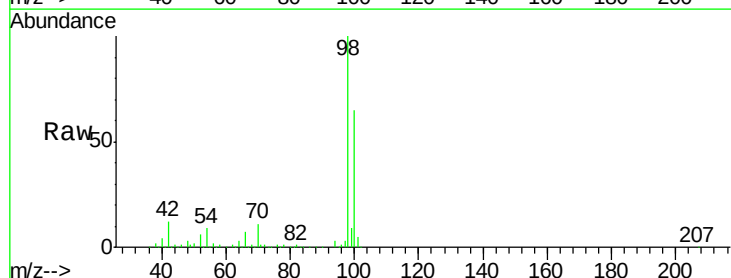
Manual Integrations
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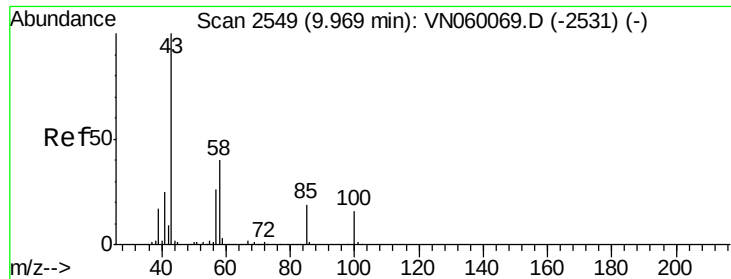
MMDadoda
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#50
Toluene-d8
Concen: 48.712 ug/l
RT: 10.08 min Scan# 2582
Delta R.T. -0.00 min
Lab File: VN060182.D
Acq: 21 Feb 2020 11:57

Tgt Ion	98	Resp	338092
Ion	Ratio	Lower	Upper
98	100		
100	64.6	51.7	77.5





#51

4-Methyl-2-Pentanone

Concen: 90.856 ug/l

RT: 9.97 min Scan# 2548

Delta R.T. -0.00 min

Lab File: VN060182.D

Acq: 21 Feb 2020 11:57

Instrument :

MSVOA_N

ClientSampleId :

VN0221WBS01

Tot Ion: 43 Resp: 215770

Ion Ratio Lower Upper

43 100

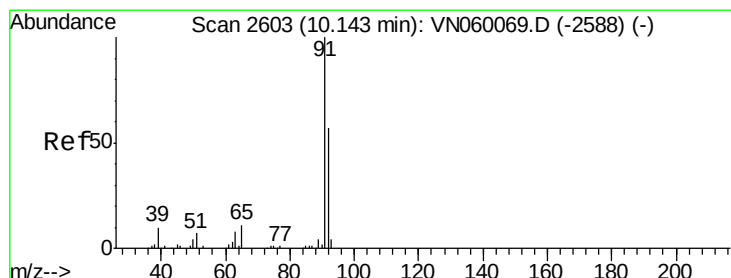
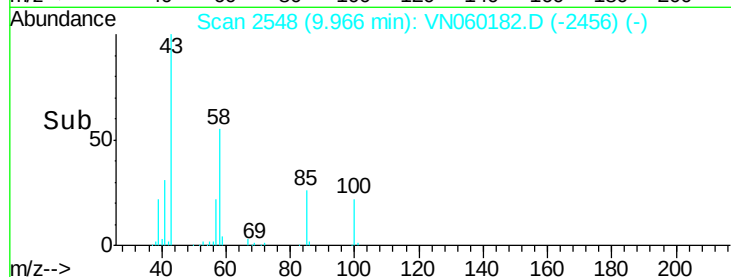
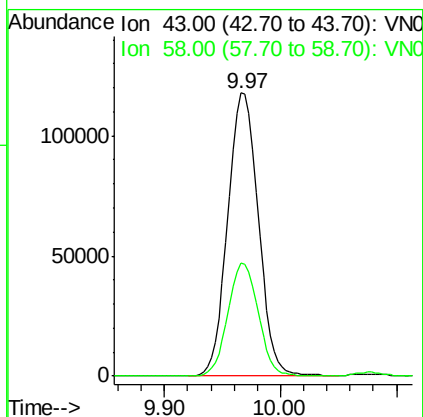
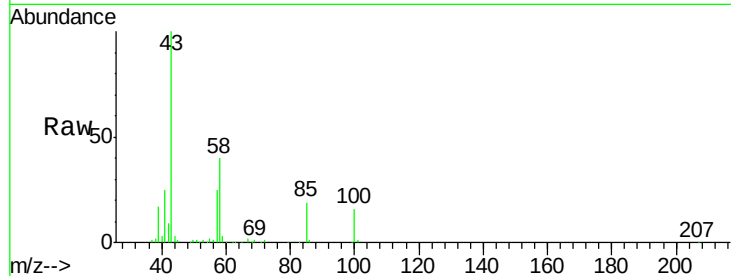
58 39.4 31.8 47.8

Manual Integrations

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#52

Toluene

Concen: 18.178 ug/l

RT: 10.14 min Scan# 2603

Delta R.T. -0.00 min

Lab File: VN060182.D

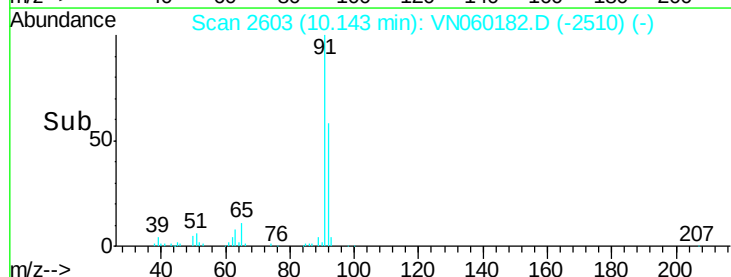
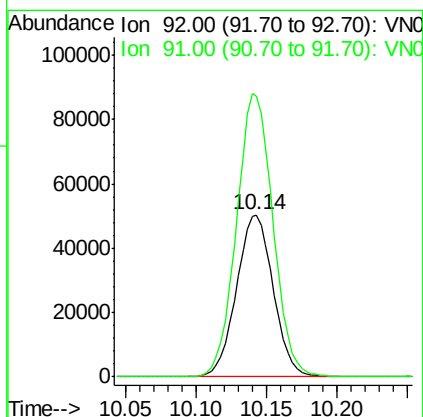
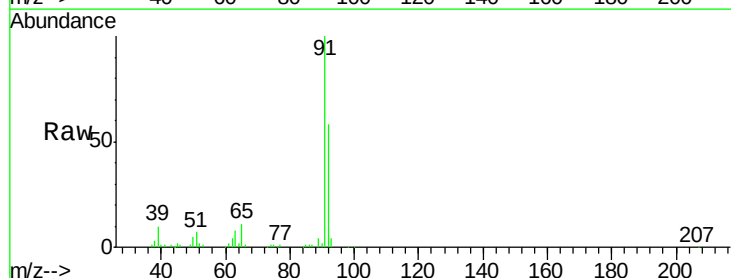
Acq: 21 Feb 2020 11:57

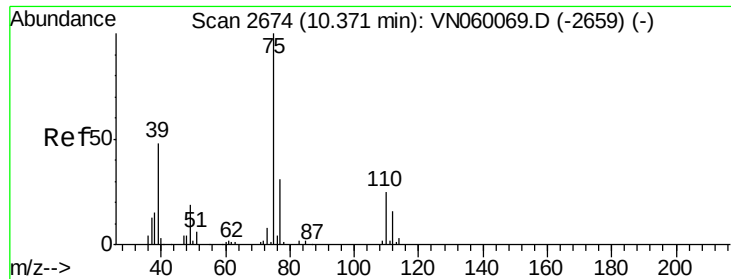
Tgt Ion: 92 Resp: 91835

Ion Ratio Lower Upper

92 100

91 173.9 140.9 211.3





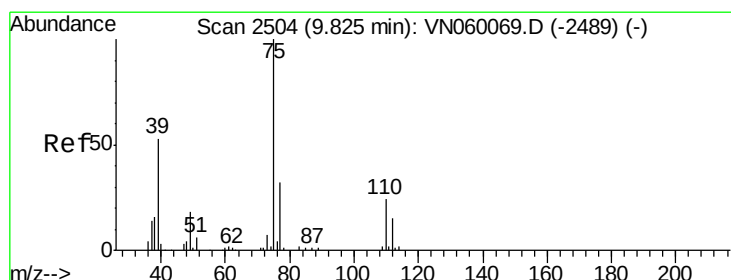
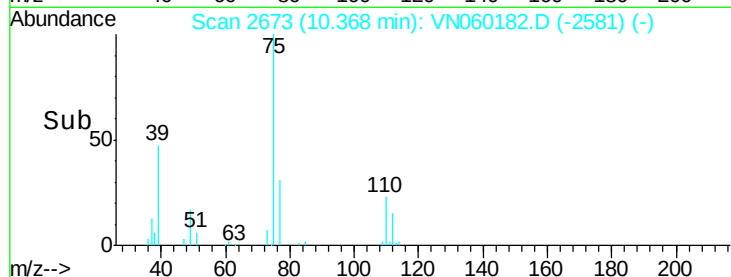
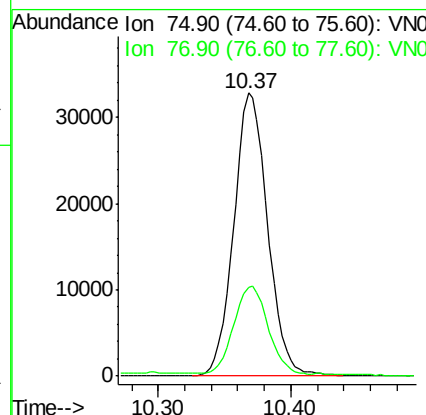
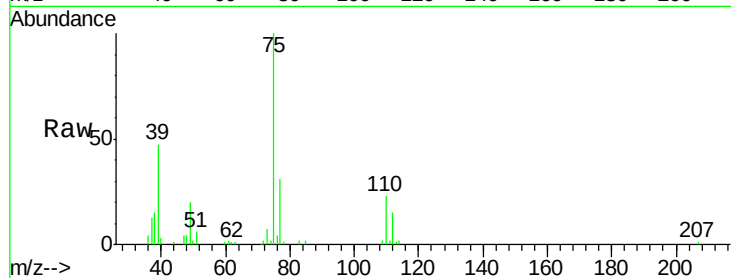
#53
t-1,3-Dichloropropene
Concen: 18.369 ug/l
RT: 10.37 min Scan# 2673
Delta R.T. -0.00 min
Lab File: VN060182.D
Acq: 21 Feb 2020 11:57

Instrument :
MSVOA_N
ClientSampleId :
VN0221WBS01

Tot Ion: 75 Resp: 58101
Ion Ratio Lower Upper
75 100
77 30.6 25.4 38.0

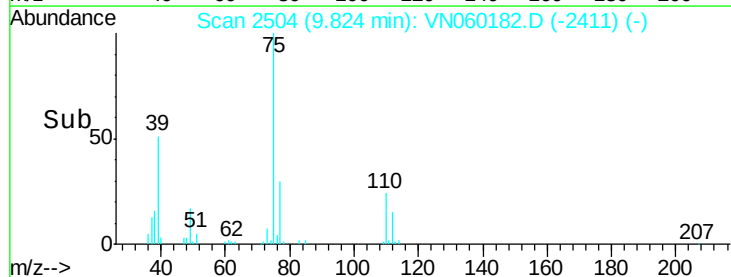
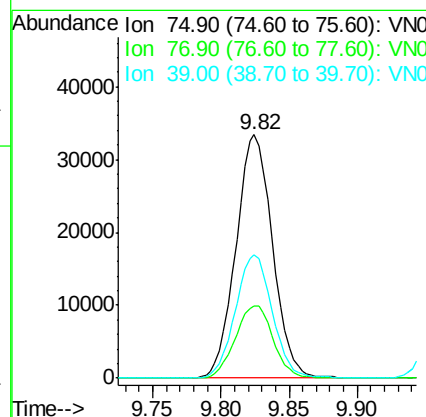
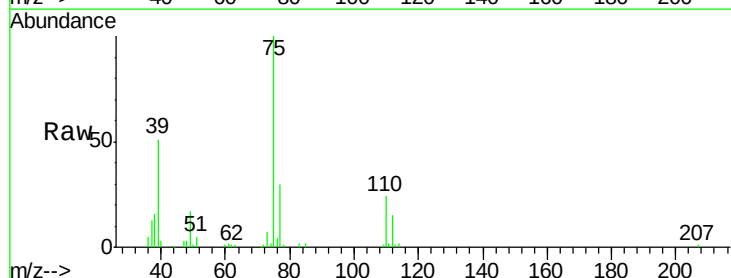
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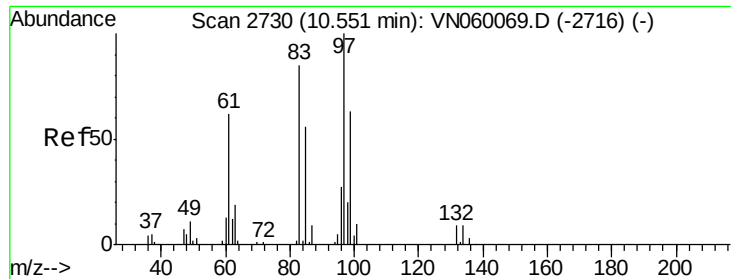
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 18.677 ug/l
RT: 9.82 min Scan# 2504
Delta R.T. -0.00 min
Lab File: VN060182.D
Acq: 21 Feb 2020 11:57

Tgt Ion: 75 Resp: 62207
Ion Ratio Lower Upper
75 100
77 29.9 25.6 38.4
39 50.8 42.2 63.4





#55

1,1,2-Trichloroethane

Concen: 18.083 ug/l

RT: 10.55 min Scan# 2730

Delta R.T. -0.00 min

Lab File: VN060182.D

Acq: 21 Feb 2020 11:57

Instrument :

MSVOA_N

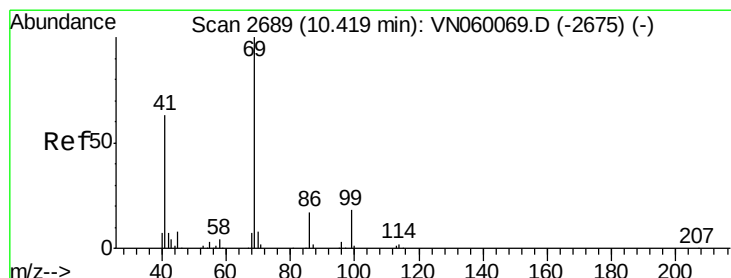
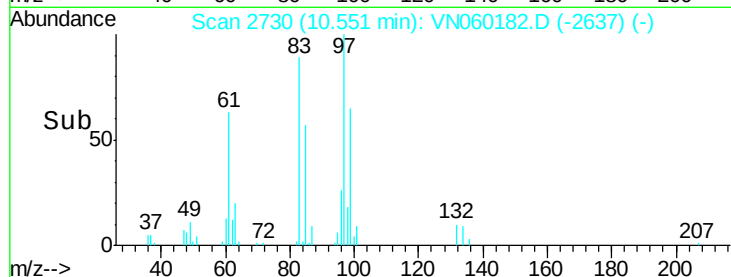
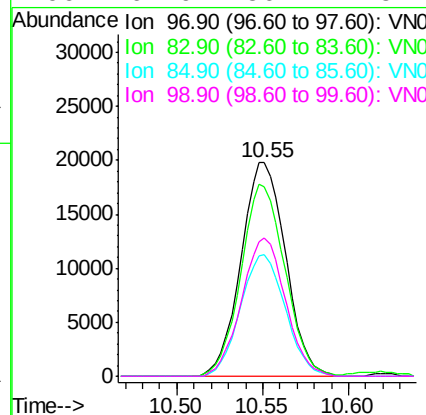
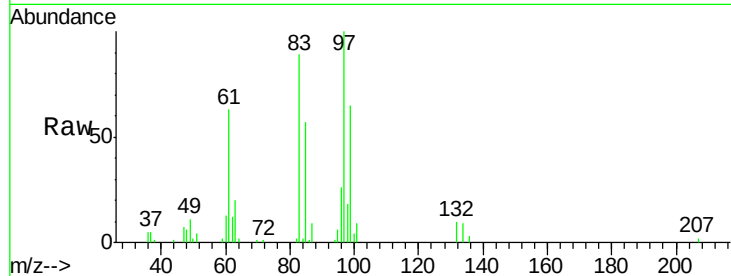
ClientSampleId :

VN0221WBS01

Tot Ion:	97	Resp:	35640
Ion	Ratio	Lower	Upper
97	100		
83	88.8	67.9	101.9
85	56.7	44.6	67.0
99	64.9	50.1	75.1

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#56

Ethyl methacrylate

Concen: 17.859 ug/l

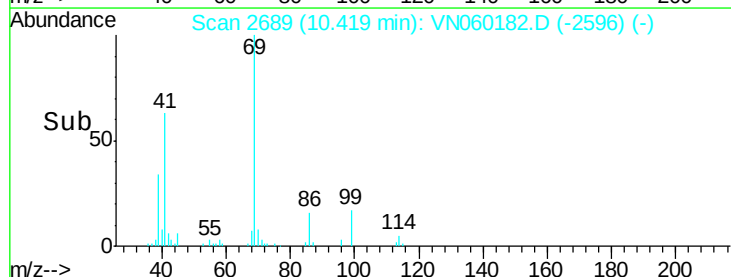
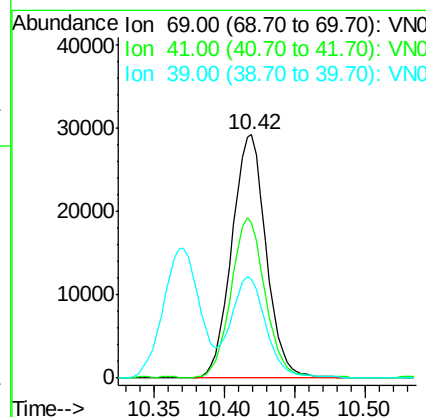
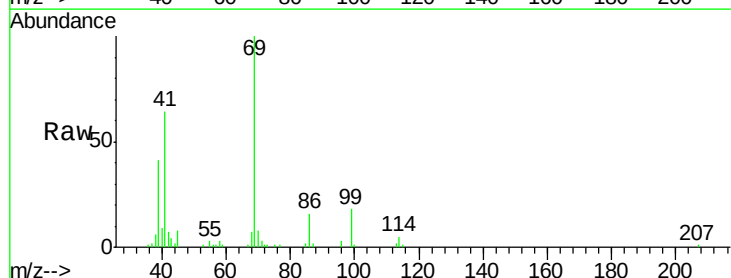
RT: 10.42 min Scan# 2689

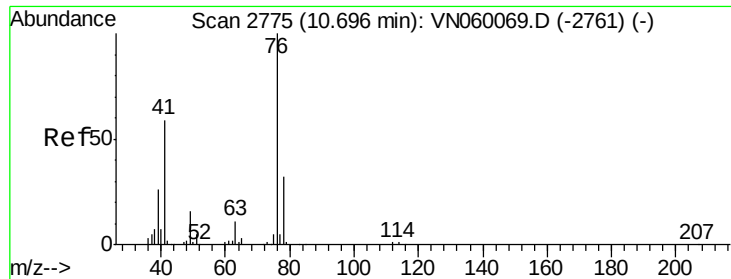
Delta R.T. -0.00 min

Lab File: VN060182.D

Acq: 21 Feb 2020 11:57

Tgt Ion:	69	Resp:	49792
Ion	Ratio	Lower	Upper
69	100		
41	66.1	51.1	76.7
39	43.1	33.8	50.8





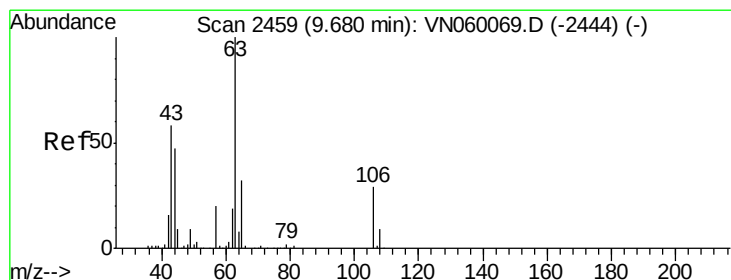
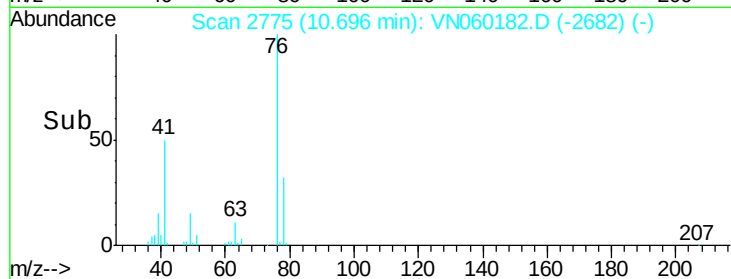
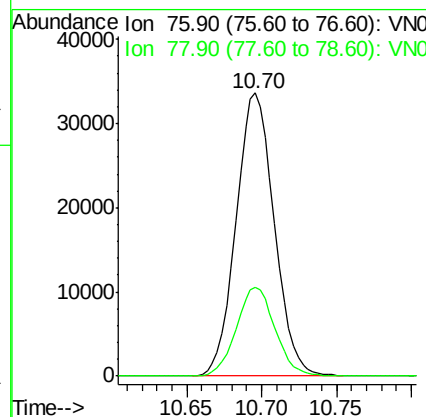
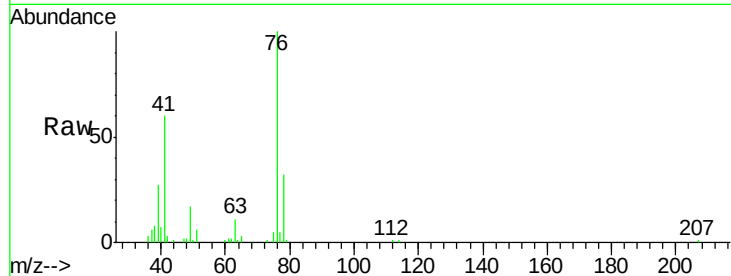
#57
 1,3-Dichloropropane
 Concen: 18.333 ug/l
 RT: 10.70 min Scan# 2775
 Delta R.T. -0.00 min
 Lab File: VN060182.D
 Acq: 21 Feb 2020 11:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0221WBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.8	25.7	38.5

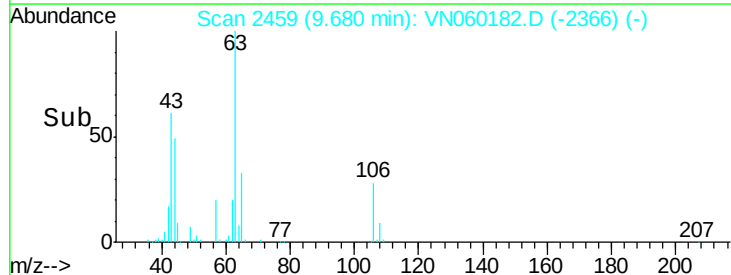
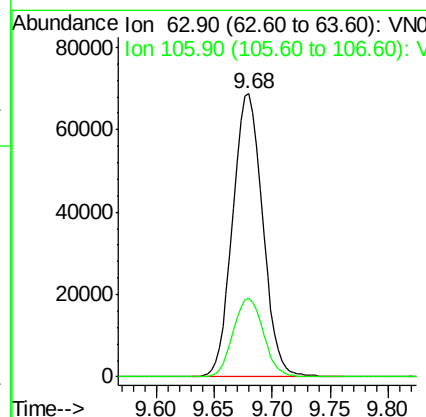
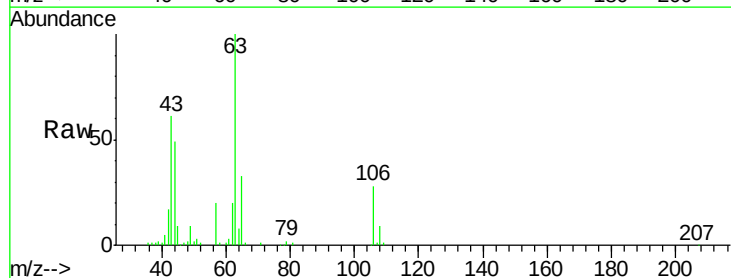
Manual Integrations
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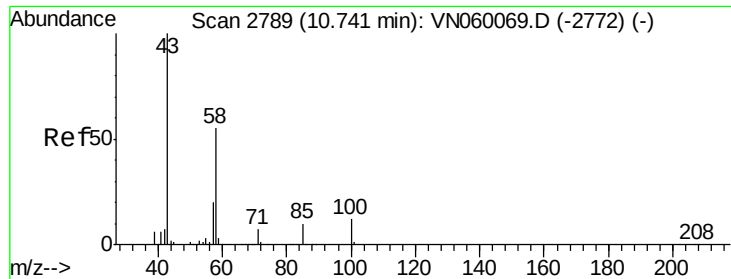
MMDadoda
 2/24/2020 11:41:06 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 94.884 ug/l
 RT: 9.68 min Scan# 2459
 Delta R.T. -0.00 min
 Lab File: VN060182.D
 Acq: 21 Feb 2020 11:57

Tgt Ion	Ratio	Lower	Upper
63	100		
106	28.0	22.9	34.3





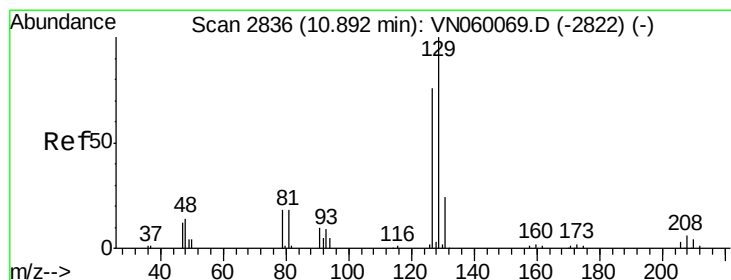
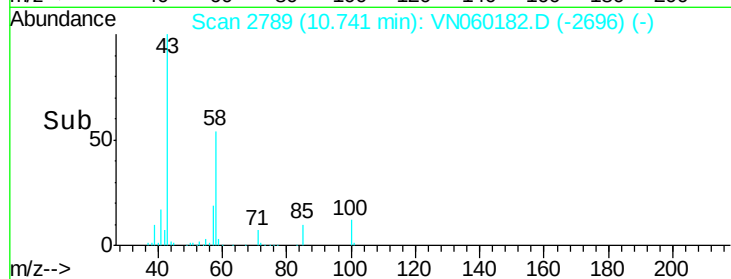
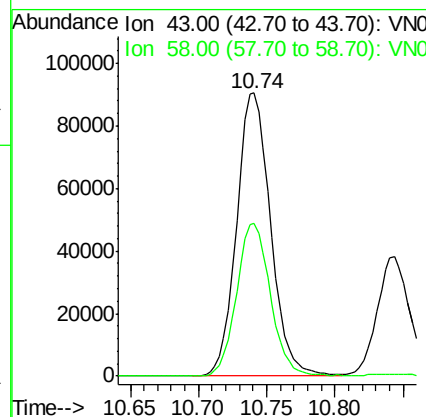
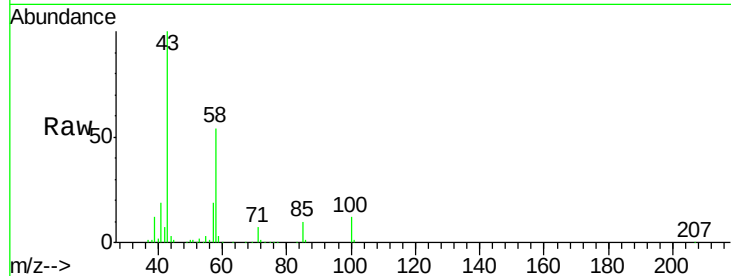
#59
2-Hexanone
Concen: 85.516 ug/l
RT: 10.74 min Scan# 2789
Delta R.T. -0.00 min
Lab File: VN060182.D
Acq: 21 Feb 2020 11:57

Instrument :
MSVOA_N
ClientSampleId :
VN0221WBS01

Tot Ion	43	Resp	156881
Ion Ratio	43	100	
Lower	58	53.7	27.5
Upper			82.4

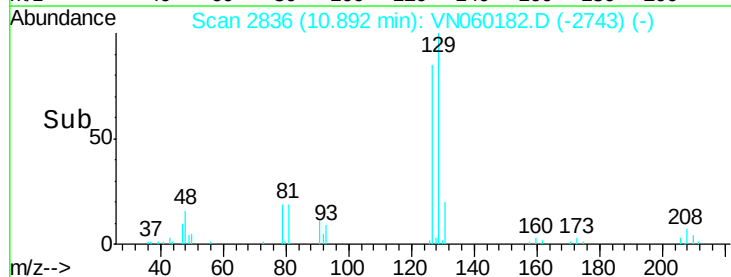
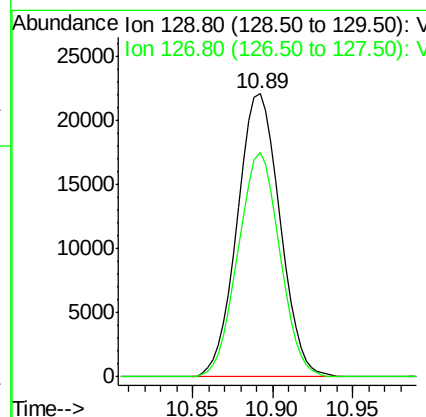
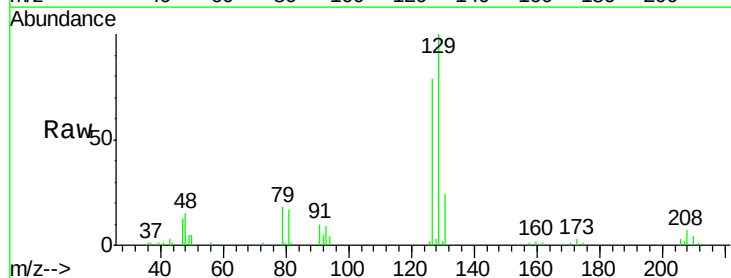
Manual Integrations
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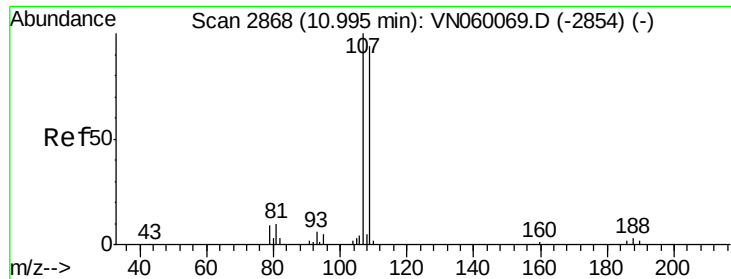
MMDadoda
2/24/2020 11:41:06 AM



#60
Dibromochloromethane
Concen: 17.824 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. -0.00 min
Lab File: VN060182.D
Acq: 21 Feb 2020 11:57

Tgt Ion	129	Resp	40312
Ion Ratio	129	100	
Lower	127	77.2	38.0
Upper			114.1





#61

1,2-Dibromoethane

Concen: 17.756 ug/l

RT: 11.00 min Scan# 2869

Delta R.T. 0.00 min

Lab File: VN060182.D

Acq: 21 Feb 2020 11:57

Instrument :

MSVOA_N

ClientSampleId :

VN0221WBS01

Tot Ion: 107 Resp: 36685

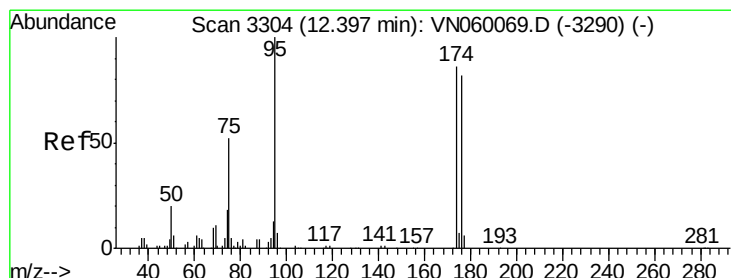
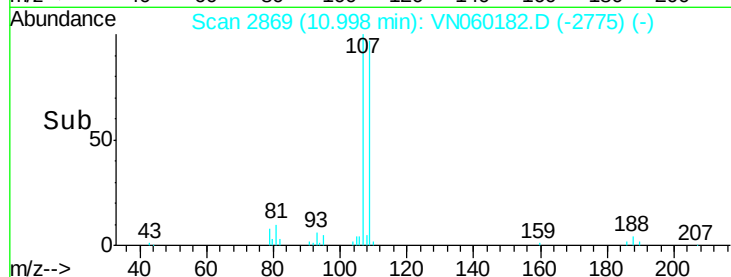
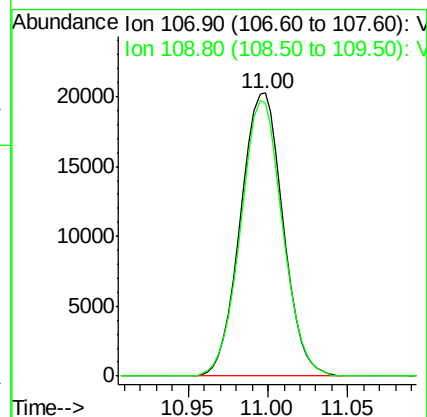
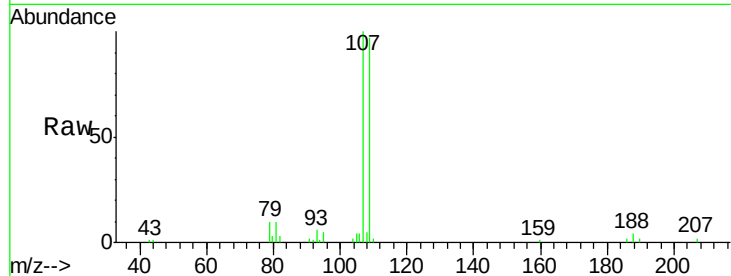
Ion Ratio Lower Upper

107 100

109 95.9 75.4 113.0

Manual Integrations
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MMDadoda
2/24/2020 11:41:06 AM



#62

4-Bromofluorobenzene

Concen: 47.568 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.00 min

Lab File: VN060182.D

Acq: 21 Feb 2020 11:57

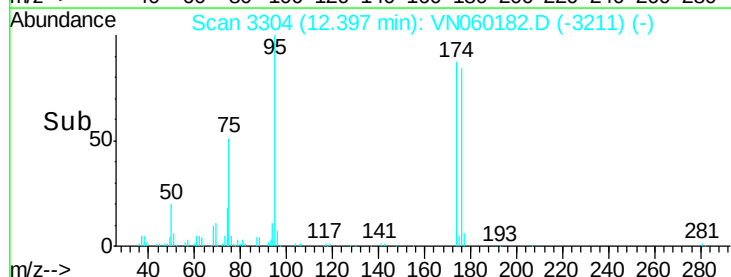
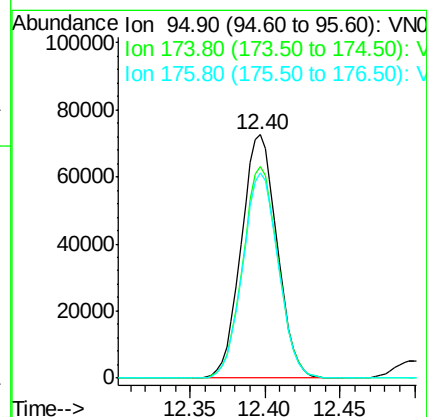
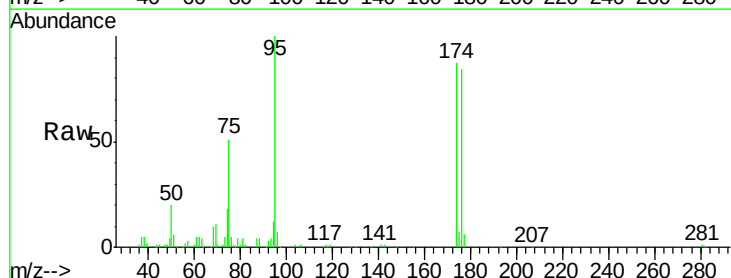
Tgt Ion: 95 Resp: 121315

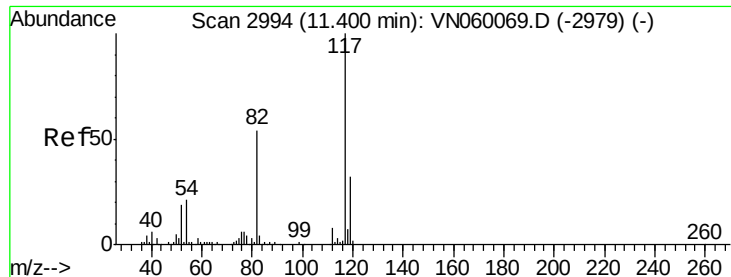
Ion Ratio Lower Upper

95 100

174 85.9 0.0 169.8

176 83.5 0.0 164.8





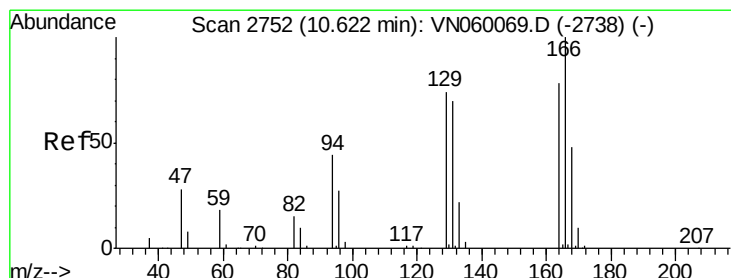
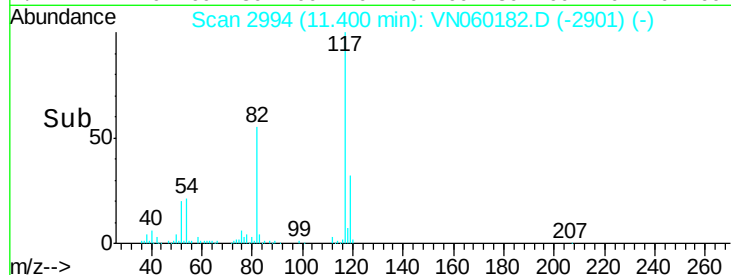
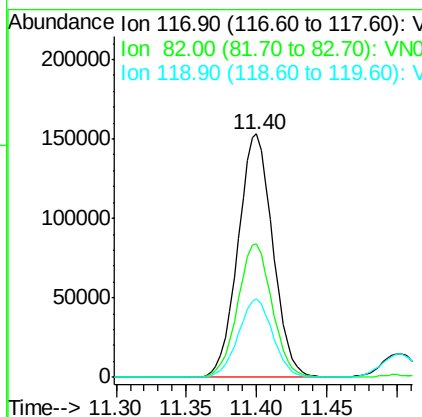
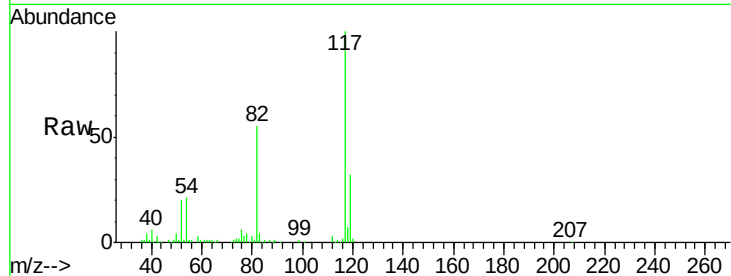
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. -0.00 min
Lab File: VN060182.D
Acq: 21 Feb 2020 11:57

Instrument :
MSVOA_N
ClientSampleId :
VN0221WBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	264431		
82	54.7	43.4	65.0	
119	32.2	25.8	38.6	

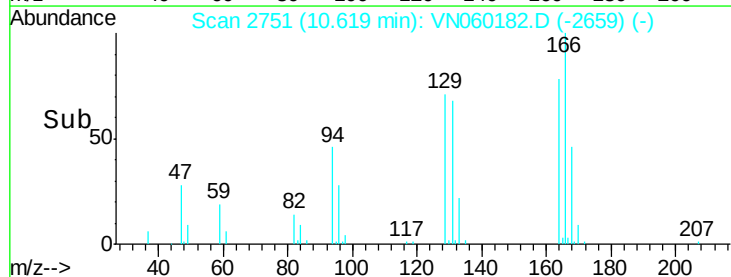
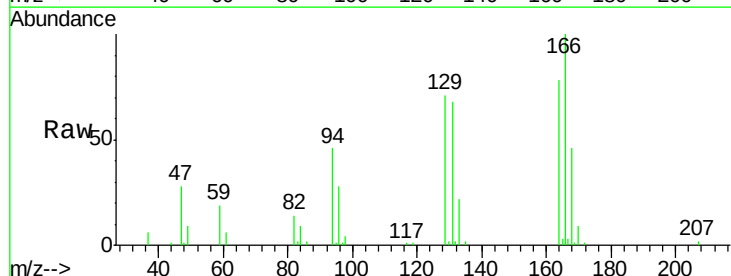
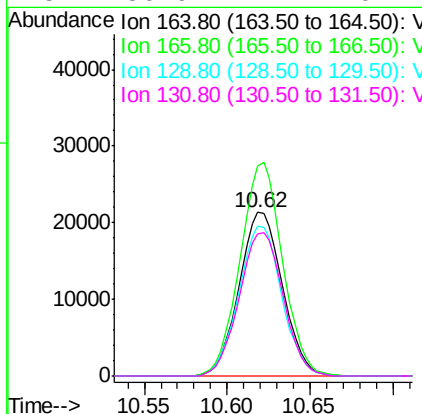
Manual Integrations
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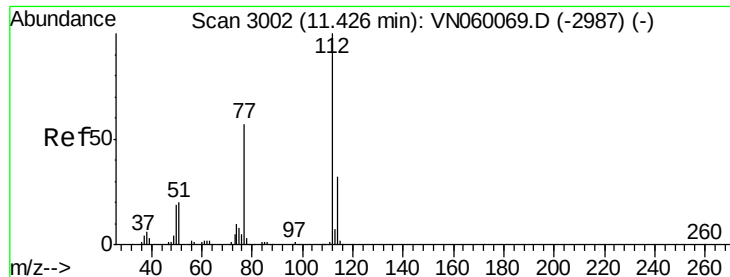
MMDadoda
2/24/2020 11:41:06 AM



#64
Tetrachloroethene
Concen: 19.243 ug/l
RT: 10.62 min Scan# 2751
Delta R.T. -0.00 min
Lab File: VN060182.D
Acq: 21 Feb 2020 11:57

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	38682		
166	128.3	101.9	152.9	
129	91.4	75.4	113.0	
131	86.9	71.4	107.2	





#65

Chlorobenzene

Concen: 18.515 ug/l

RT: 11.43 min Scan# 3002

Delta R.T. -0.00 min

Lab File: VN060182.D

Acq: 21 Feb 2020 11:57

Instrument :

MSVOA_N

ClientSampleId :

VN0221WBS01

Tot Ion:112 Resp: 99747

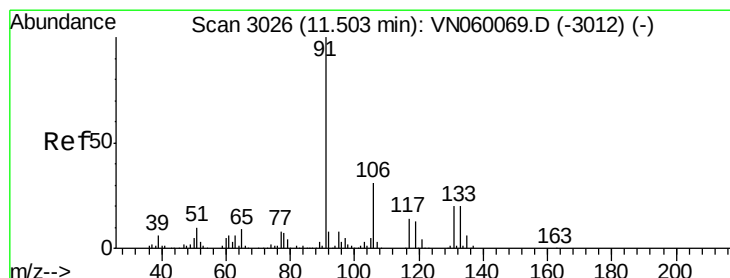
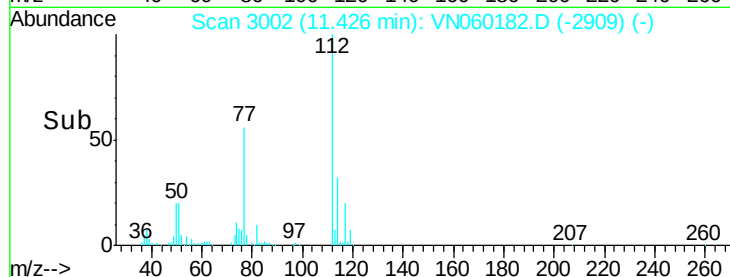
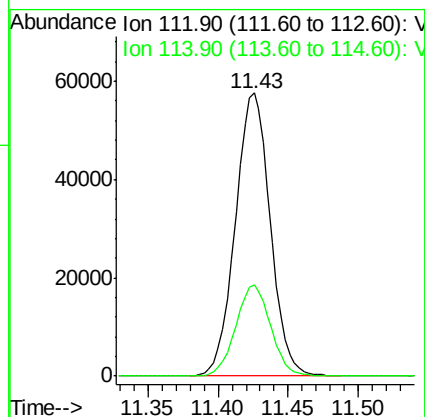
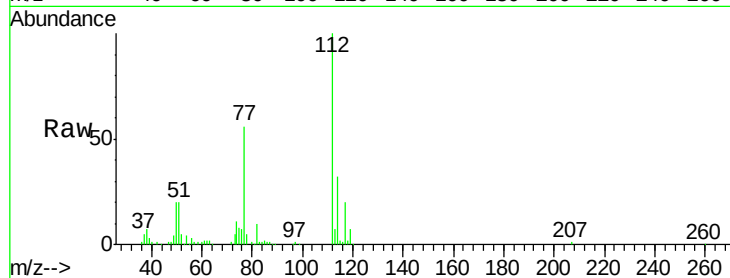
Ion Ratio Lower Upper

112 100

114 32.1 25.4 38.0

Manual Integrations
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2/24/2020 11:41:06 AM



#66

1,1,1,2-Tetrachloroethane

Concen: 18.994 ug/l

RT: 11.50 min Scan# 3025

Delta R.T. -0.00 min

Lab File: VN060182.D

Acq: 21 Feb 2020 11:57

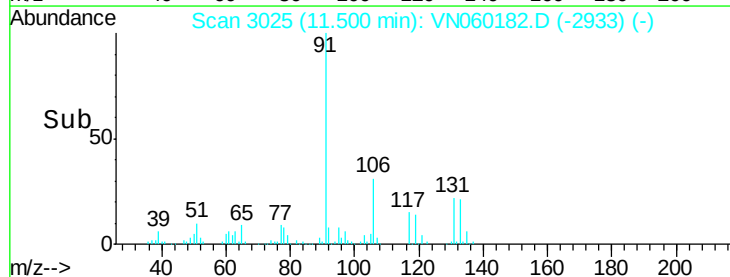
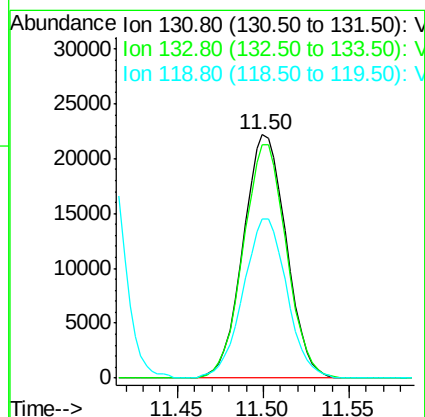
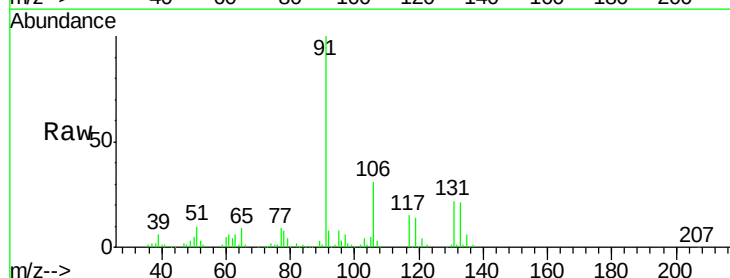
Tgt Ion:131 Resp: 38710

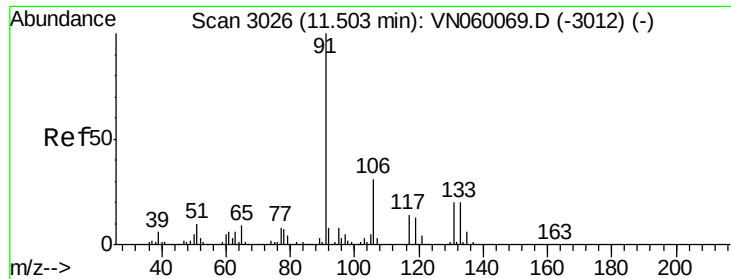
Ion Ratio Lower Upper

131 100

133 96.0 47.9 143.7

119 66.1 32.6 97.7





#67

Ethyl Benzene

Concen: 18.372 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. -0.00 min

Lab File: VN060182.D

Acq: 21 Feb 2020 11:57

Instrument :

MSVOA_N

ClientSampleId :

VN0221WBS01

Tot Ion: 91 Resp: 178517

Ion Ratio Lower Upper

91 100

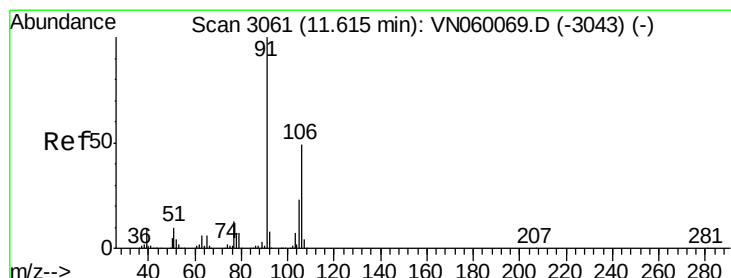
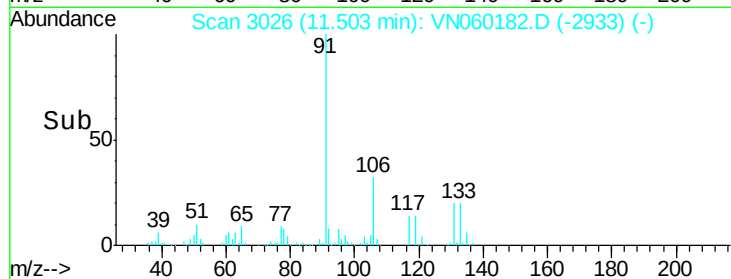
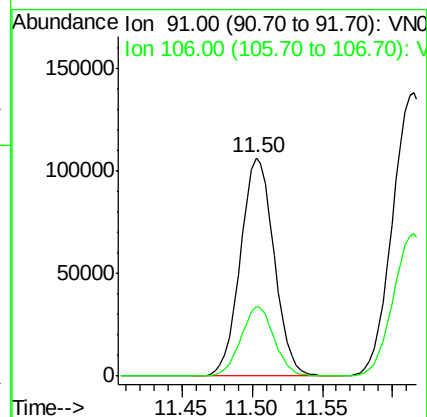
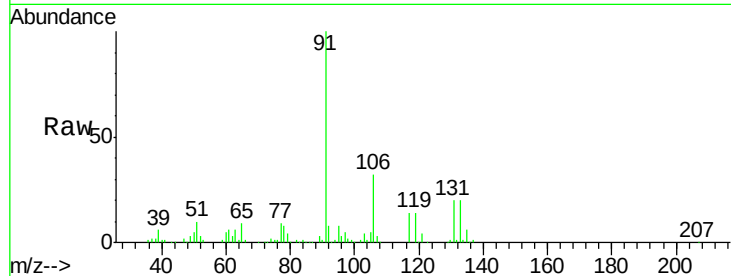
106 32.1 25.1 37.7

Manual Integrations

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#68

m/p-Xylenes

Concen: 36.795 ug/l

RT: 11.62 min Scan# 3061

Delta R.T. -0.00 min

Lab File: VN060182.D

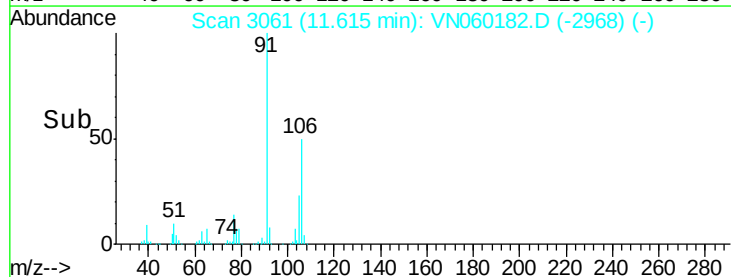
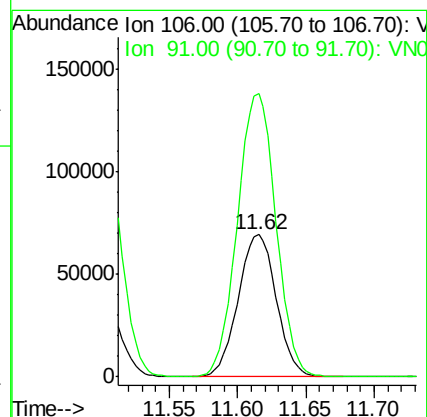
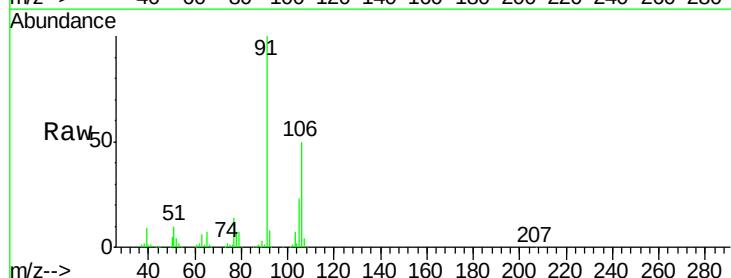
Acq: 21 Feb 2020 11:57

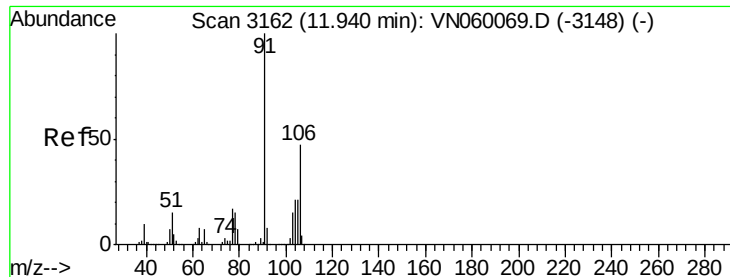
Tgt Ion: 106 Resp: 134182

Ion Ratio Lower Upper

106 100

91 202.2 162.7 244.1





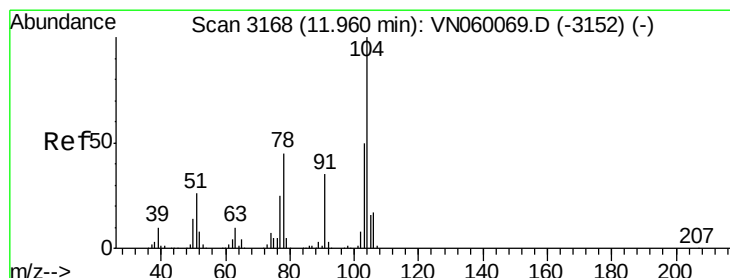
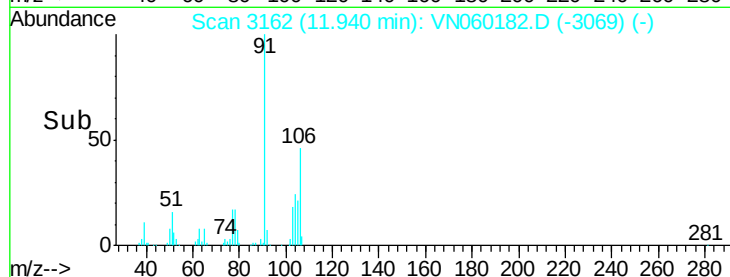
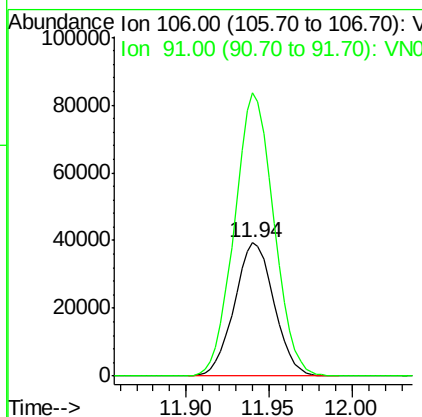
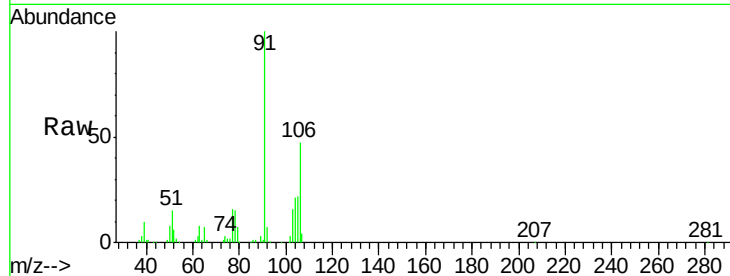
#69
o-Xylene
Concen: 18.652 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. -0.00 min
Lab File: VN060182.D
Acq: 21 Feb 2020 11:57

Instrument :
MSVOA_N
ClientSampleId :
VN0221WBS01

Tot Ion:106 Resp: 65491
Ion Ratio Lower Upper
106 100
91 210.9 107.2 321.6

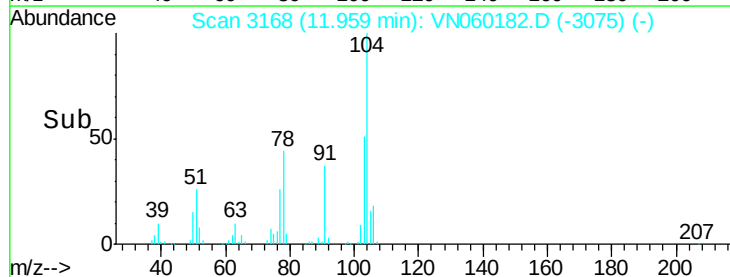
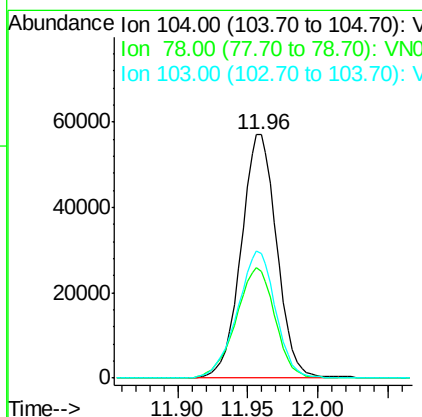
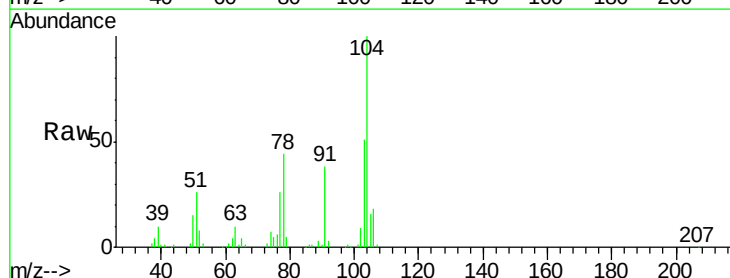
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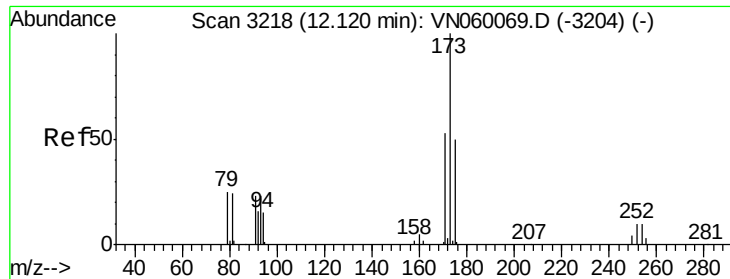
MMDadoda
2/24/2020 11:41:06 AM



#70
Styrene
Concen: 17.817 ug/l
RT: 11.96 min Scan# 3168
Delta R.T. -0.00 min
Lab File: VN060182.D
Acq: 21 Feb 2020 11:57

Tgt Ion:104 Resp: 100882
Ion Ratio Lower Upper
104 100
78 49.7 40.2 60.2
103 55.9 44.3 66.5





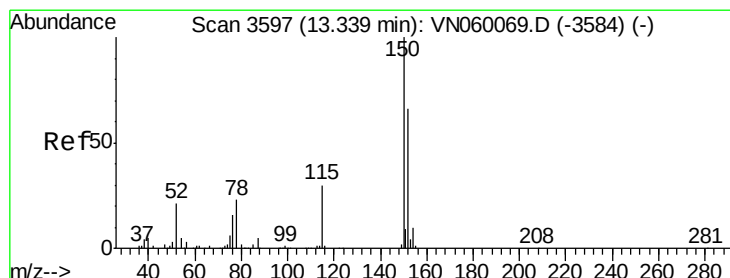
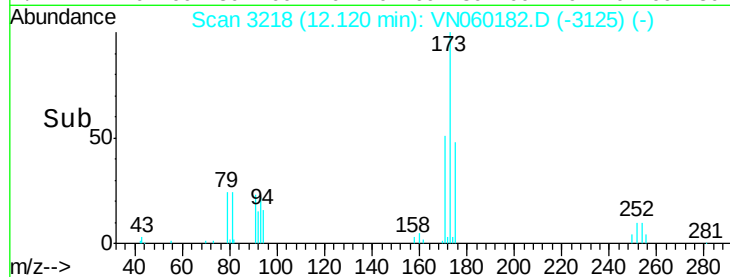
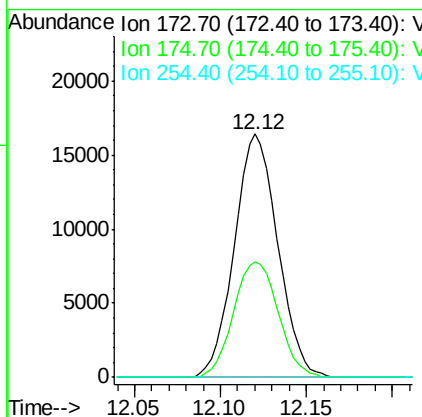
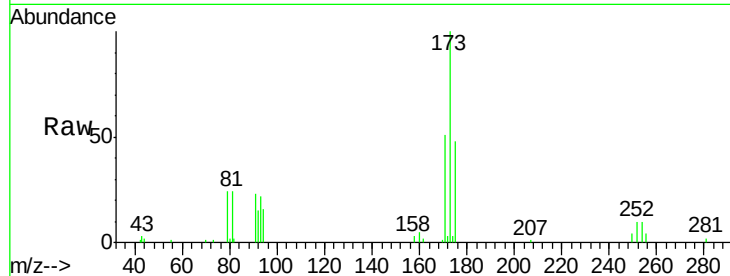
#71
Bromoform
Concen: 17.596 ug/l
RT: 12.12 min Scan# 3218
Delta R.T. -0.00 min
Lab File: VN060182.D
Acq: 21 Feb 2020 11:57

Instrument :
MSVOA_N
ClientSampleId :
VN0221WBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.8	24.9	74.6
254	0.0	0.0	0.0

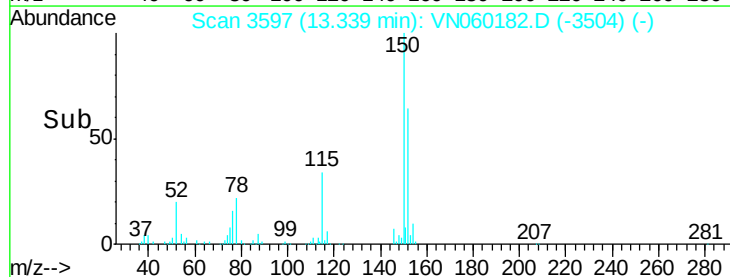
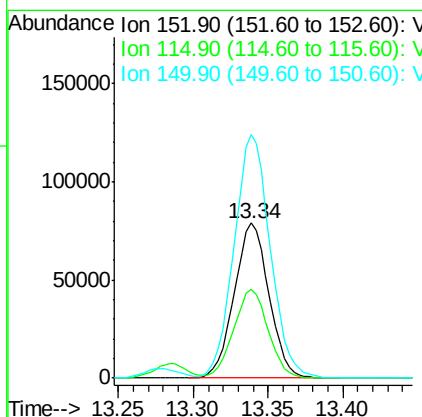
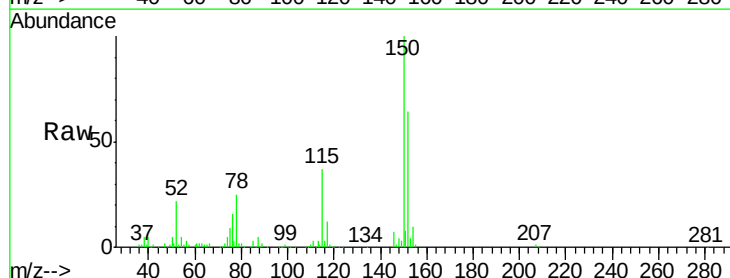
Manual Integrations
APPROVED

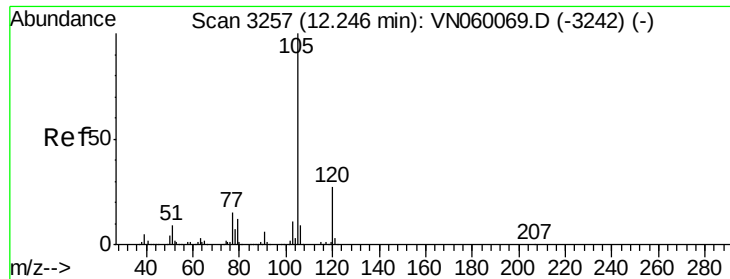
MMDadoda
2/24/2020 11:41:06 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. -0.00 min
Lab File: VN060182.D
Acq: 21 Feb 2020 11:57

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.0	28.9	86.8
150	163.0	0.0	342.4





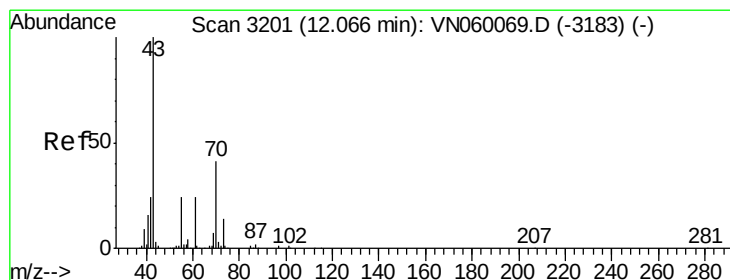
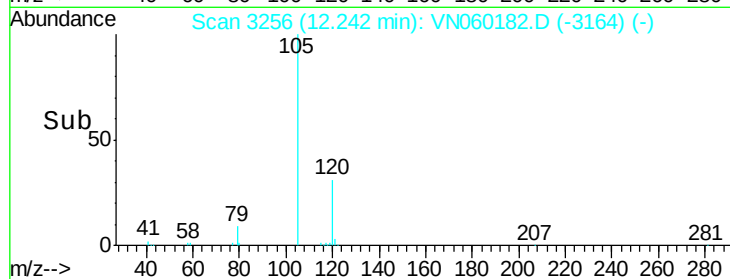
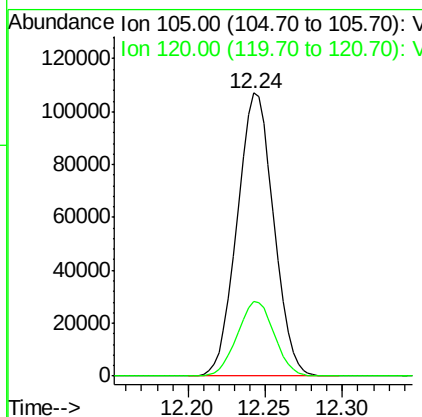
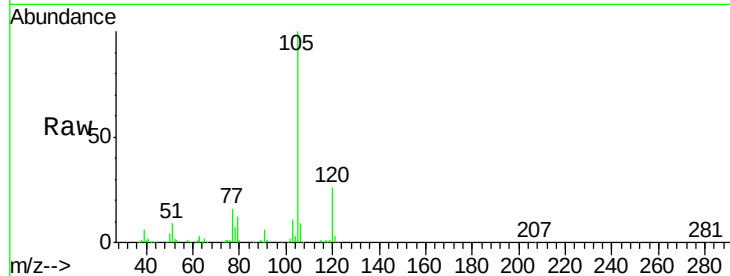
#73
Isopropylbenzene
Concen: 18.432 ug/l
RT: 12.24 min Scan# 3256
Delta R.T. -0.00 min
Lab File: VN060182.D
Acq: 21 Feb 2020 11:57

Instrument :
MSVOA_N
ClientSampleId :
VN0221WBS01

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.8	13.3	39.8

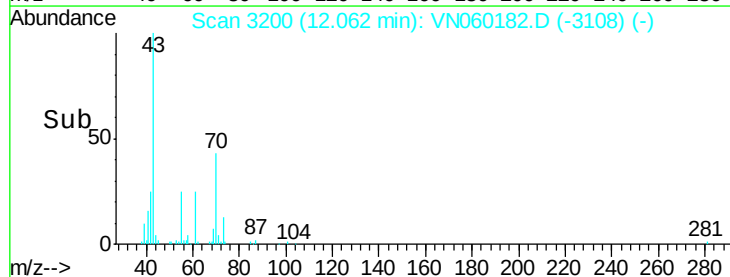
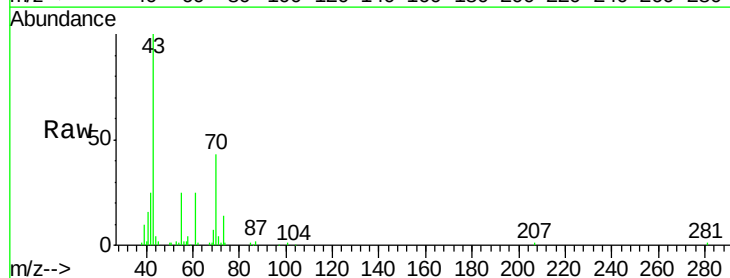
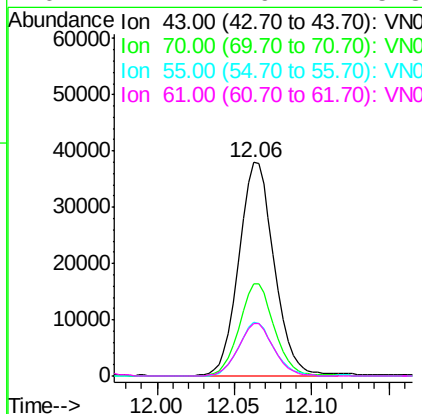
Manual Integrations
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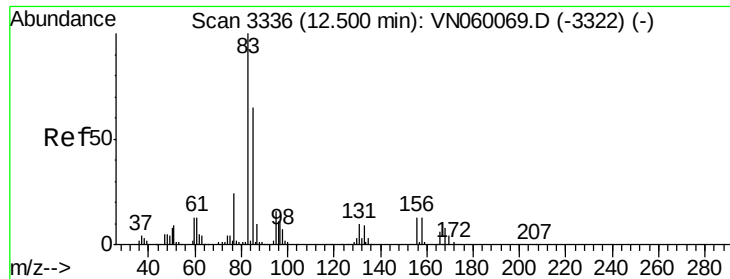
MMDadoda
2/24/2020 11:41:06 AM



#74
N-ethyl acetate
Concen: 17.608 ug/l
RT: 12.06 min Scan# 3200
Delta R.T. -0.00 min
Lab File: VN060182.D
Acq: 21 Feb 2020 11:57

Tgt Ion	Ratio	Lower	Upper
43	100		
70	42.7	33.4	50.0
55	24.6	18.8	28.2
61	24.4	19.2	28.8





#75

1,1,2,2-Tetrachloroethane

Concen: 18.525 ug/l

RT: 12.50 min Scan# 3335

Delta R.T. -0.00 min

Lab File: VN060182.D

Acq: 21 Feb 2020 11:57

Instrument :

MSVOA_N

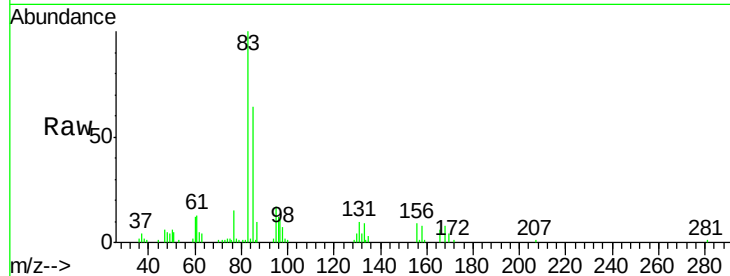
ClientSampleId :

VN0221WBS01

Tot Ion:	83	Resp:	50836
Ion Ratio	Lower	Upper	
83	100		
131	10.5	5.2	15.6
85	64.0	32.3	96.9

Manual Integrations
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MMDadoda
2/24/2020 11:41:06 AM

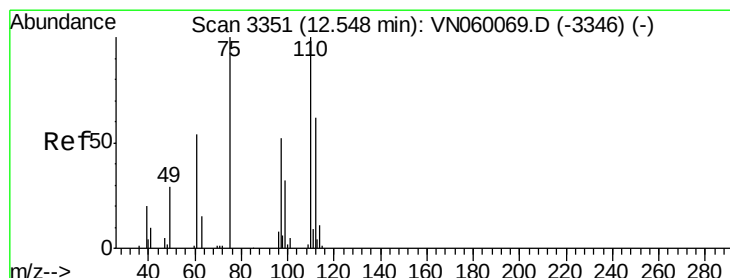
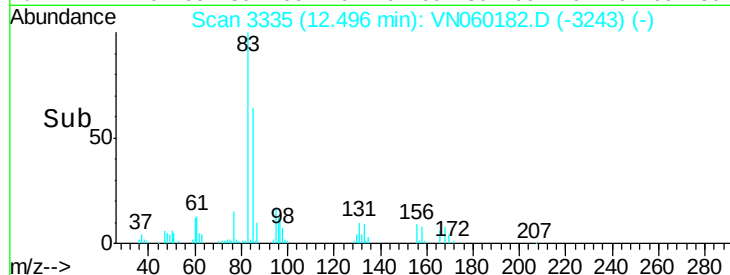
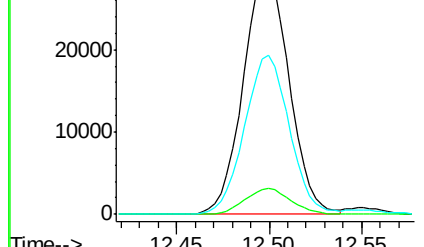


Abundance Ion 82.90 (82.60 to 83.60): VN060182.D (-3243) (-)

Ion 130.80 (130.50 to 131.50): VN060182.D (-3243) (-)

Ion 84.90 (84.60 to 85.60): VN060182.D (-3243) (-)

Time-->



#76

1,2,3-Trichloropropane

Concen: 18.865 ug/l m

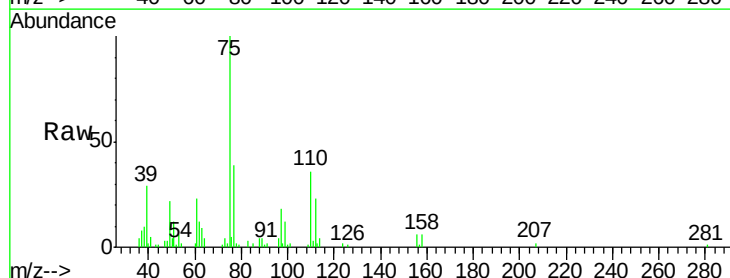
RT: 12.55 min Scan# 3351

Delta R.T. -0.00 min

Lab File: VN060182.D

Acq: 21 Feb 2020 11:57

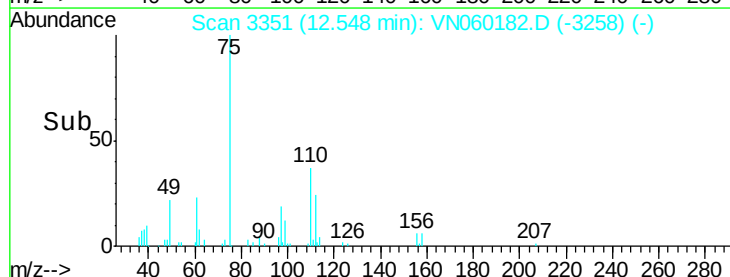
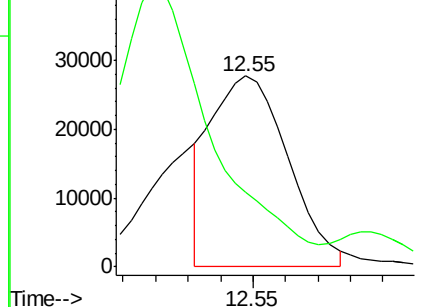
Tgt Ion:	75	Resp:	46081
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0

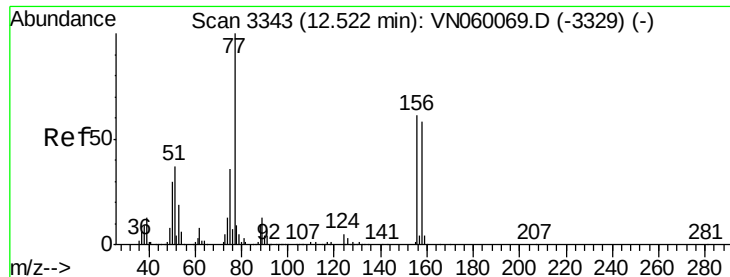


Abundance Ion 74.90 (74.60 to 75.60): VN060182.D (-3258) (-)

Ion 77.00 (76.70 to 77.70): VN060182.D (-3258) (-)

Time-->





#77

Bromobenzene

Concen: 18.678 ug/l

RT: 12.52 min Scan# 3342

Delta R.T. -0.00 min

Lab File: VN060182.D

Acq: 21 Feb 2020 11:57

Instrument :

MSVOA_N

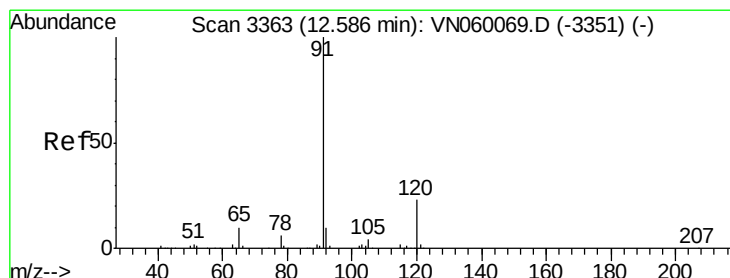
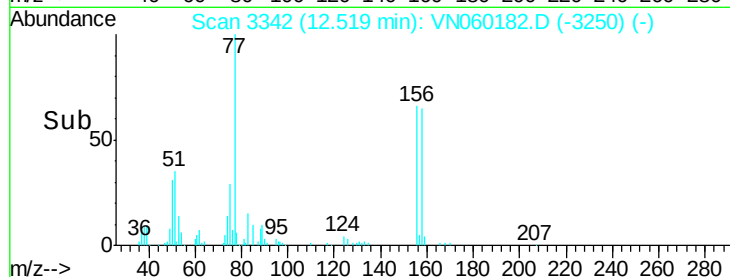
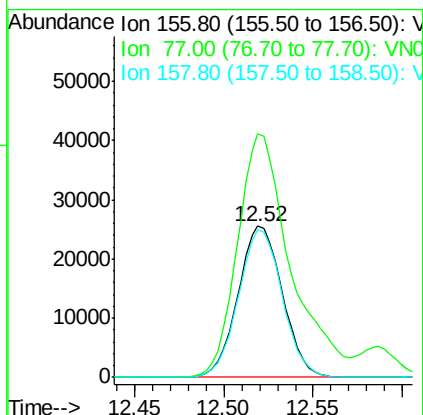
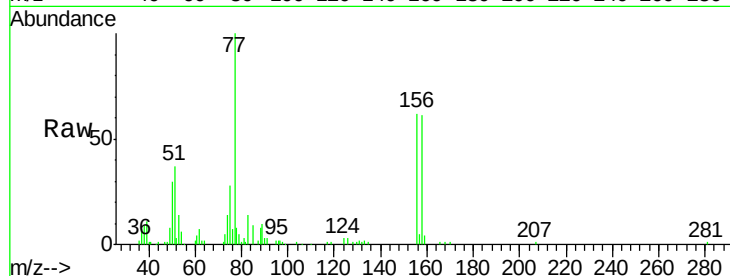
ClientSampleId :

VN0221WBS01

Tot Ion:	156	Resp:	44193
Ion Ratio	Lower	Upper	
156	100		
77	193.6	98.7	296.1
158	96.7	48.1	144.4

Manual Integrations
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#78

n-propylbenzene

Concen: 18.235 ug/l

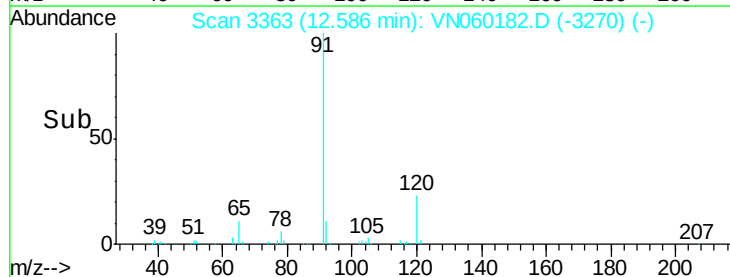
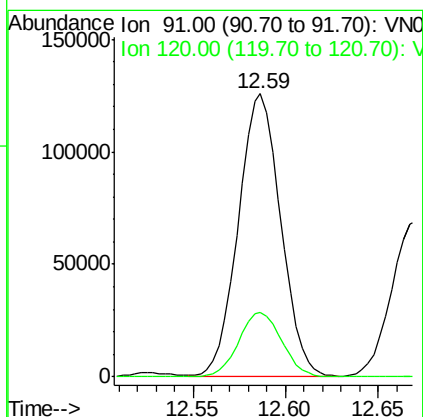
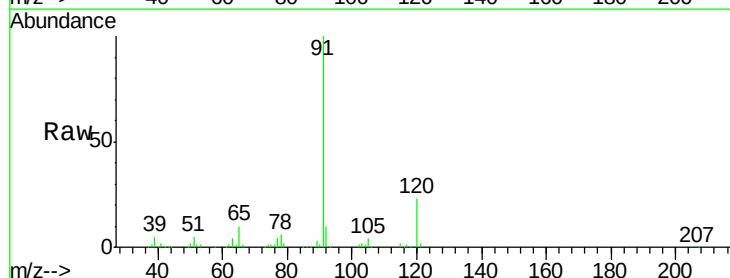
RT: 12.59 min Scan# 3363

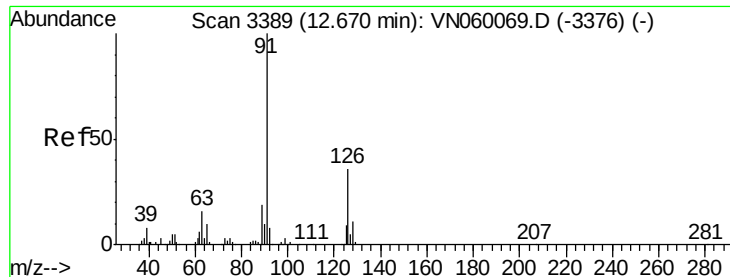
Delta R.T. -0.00 min

Lab File: VN060182.D

Acq: 21 Feb 2020 11:57

Tgt Ion:	91	Resp:	198069
Ion Ratio	Lower	Upper	
91	100		
120	23.2	11.5	34.5





#79

2-Chlorotoluene

Concen: 18.126 ug/l

RT: 12.67 min Scan# 3389

Delta R.T. -0.00 min

Lab File: VN060182.D

Acq: 21 Feb 2020 11:57

Instrument :

MSVOA_N

ClientSampleId :

VN0221WBS01

Tot Ion: 91 Resp: 115726

Ion Ratio Lower Upper

91 100

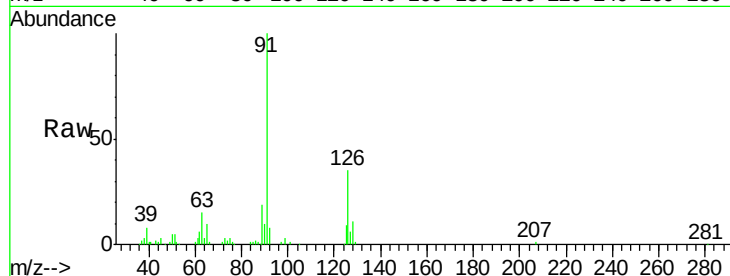
126 34.4 17.4 52.2

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VN060069.D (-3376) (-)

Ion 125.90 (125.60 to 126.60): VN060069.D (-3376) (-)

100000

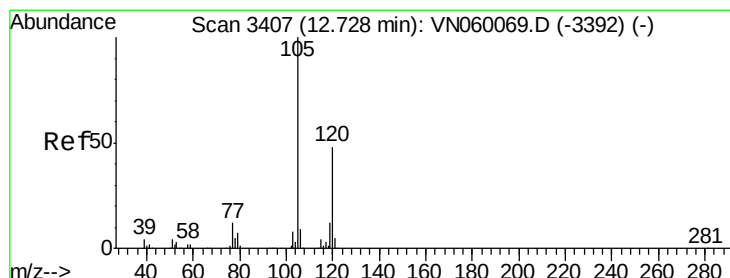
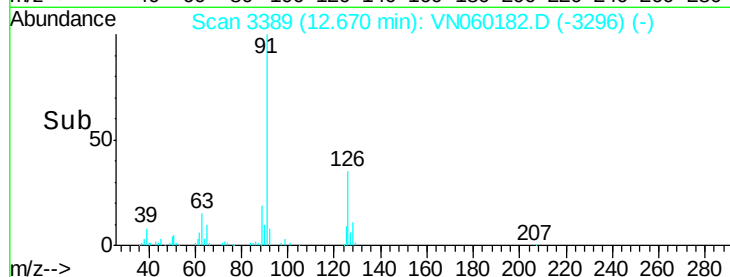
50000

0

12.60 12.65 12.70

12.67

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 18.658 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. -0.00 min

Lab File: VN060182.D

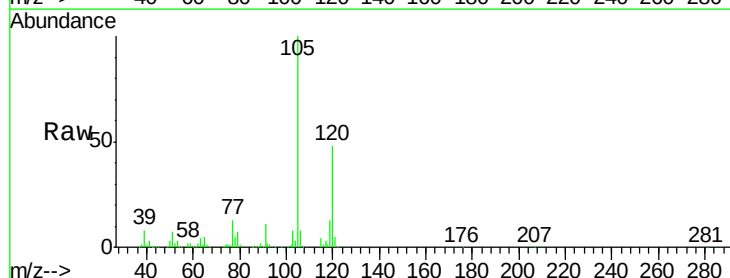
Acq: 21 Feb 2020 11:57

Tgt Ion: 105 Resp: 147902

Ion Ratio Lower Upper

105 100

120 48.3 24.3 72.9



Abundance Ion 105.00 (104.70 to 105.70): VN060069.D (-3392) (-)

Ion 120.00 (119.70 to 120.70): VN060069.D (-3392) (-)

100000

80000

60000

40000

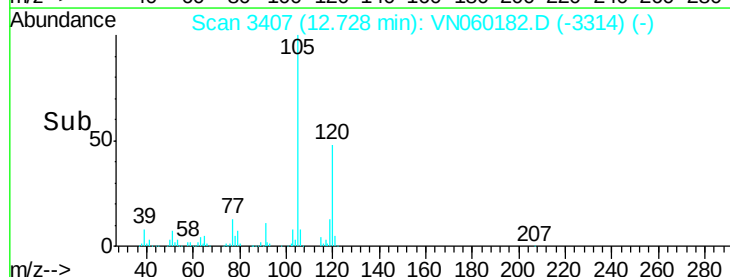
20000

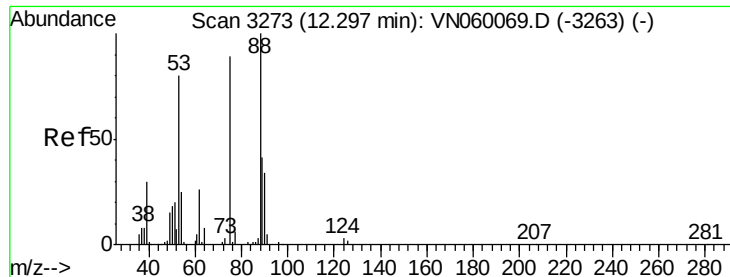
0

12.65 12.70 12.75 12.80

12.73

Time-->





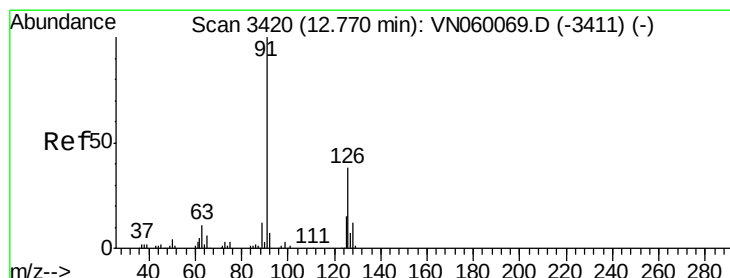
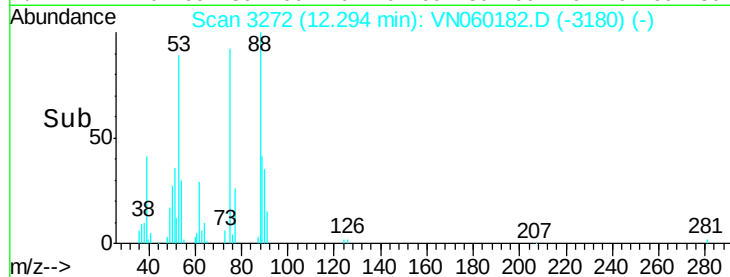
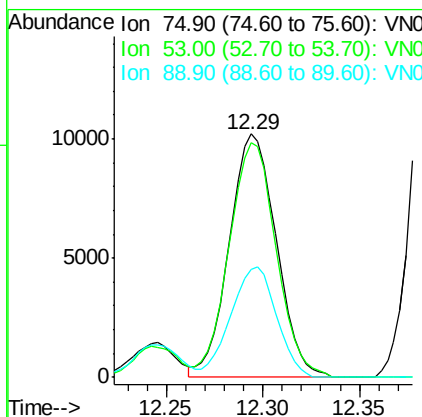
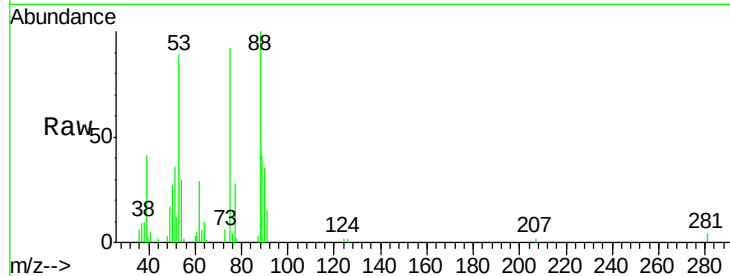
#81
trans-1,4-Dichloro-2-butene
Concen: 17.293 ug/l
RT: 12.29 min Scan# 3272
Delta R.T. -0.00 min
Lab File: VN060182.D
Acq: 21 Feb 2020 11:57

Instrument :
MSVOA_N
ClientSampleId :
VN0221WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	96.5	73.9	110.9
89	44.0	37.0	55.4

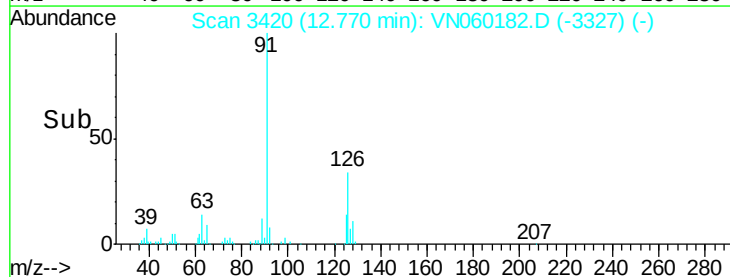
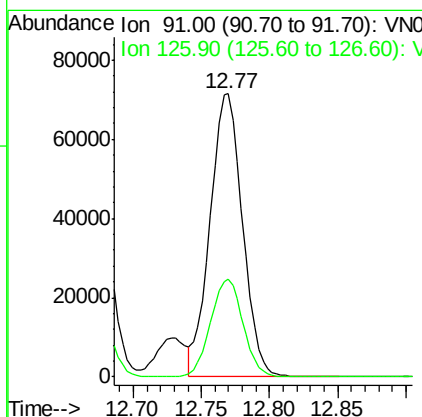
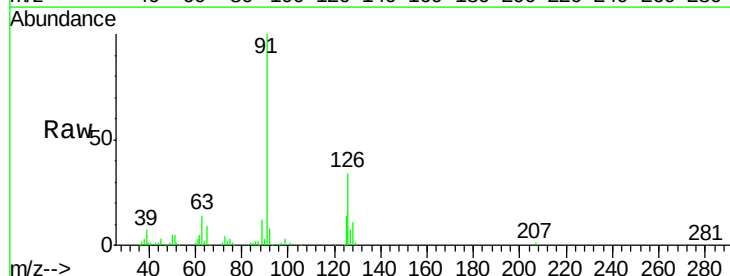
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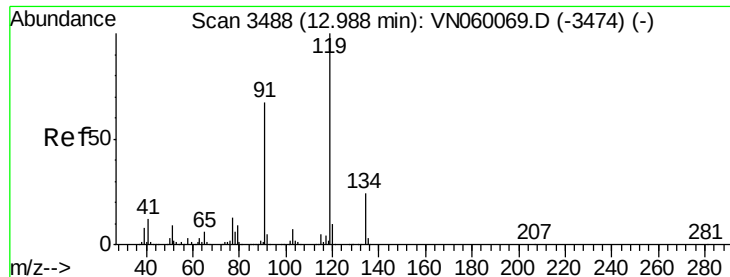
MMDadoda
2/24/2020 11:41:06 AM



#82
4-Chlorotoluene
Concen: 18.059 ug/l
RT: 12.77 min Scan# 3420
Delta R.T. -0.00 min
Lab File: VN060182.D
Acq: 21 Feb 2020 11:57

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.3	17.1	51.3





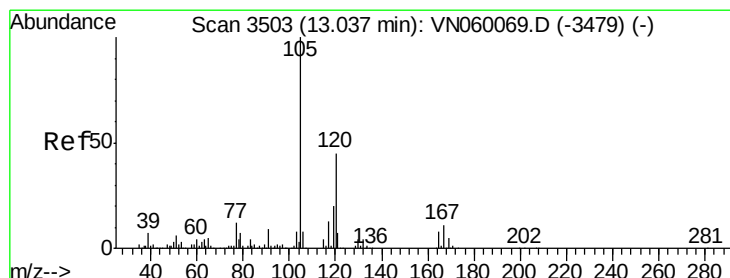
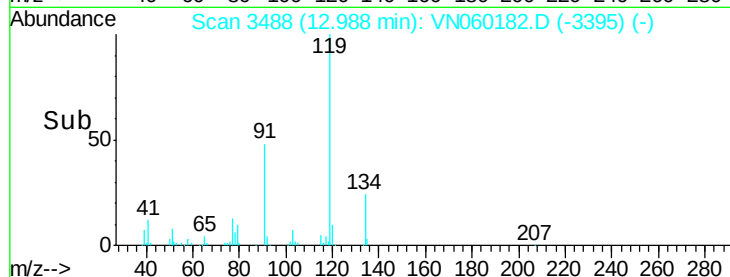
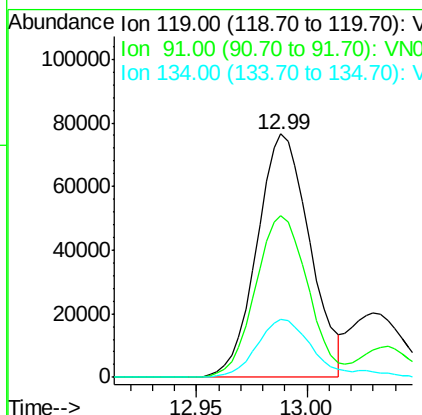
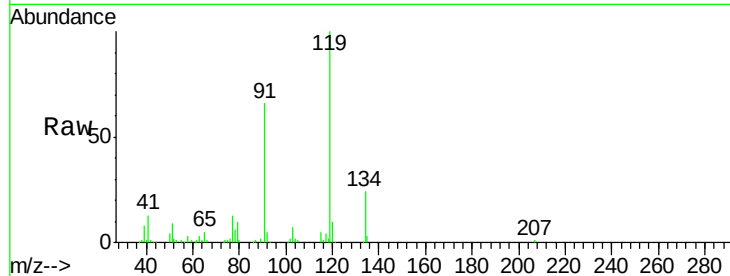
#83
 tert-Butylbenzene
 Concen: 18.144 ug/l
 RT: 12.99 min Scan# 3488
 Delta R.T. -0.00 min
 Lab File: VN060182.D
 Acq: 21 Feb 2020 11:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0221WBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	66.1	32.7	98.1
134	24.3	12.9	38.7

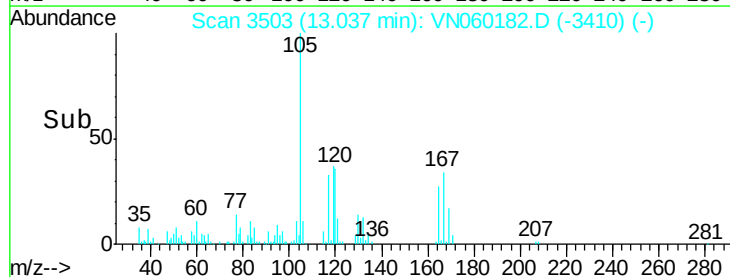
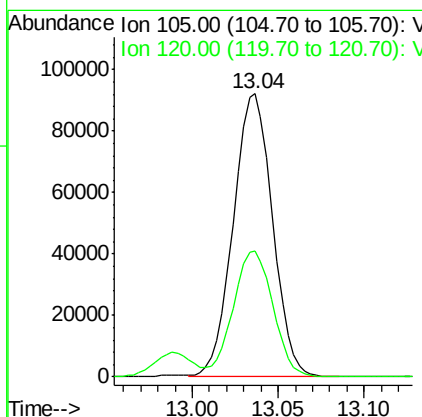
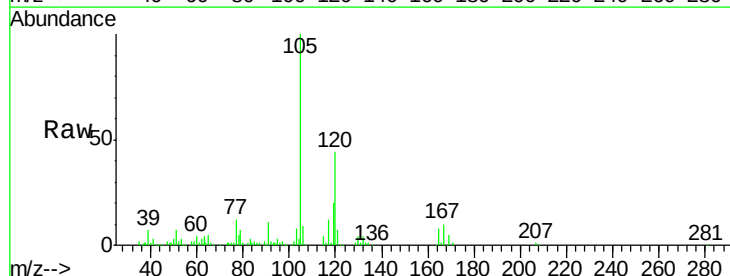
Manual Integrations
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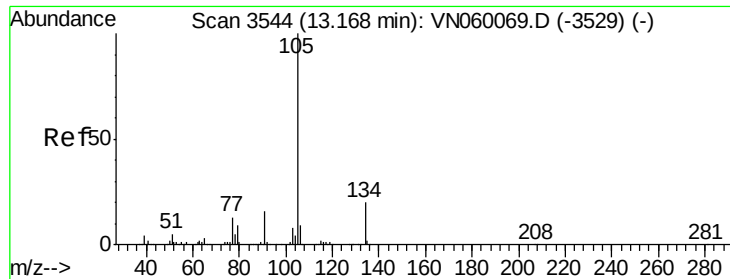
MMDadoda
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#84
 1,2,4-Trimethylbenzene
 Concen: 18.583 ug/l
 RT: 13.04 min Scan# 3503
 Delta R.T. -0.00 min
 Lab File: VN060182.D
 Acq: 21 Feb 2020 11:57

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.2	22.4	67.3





#85

sec-Butylbenzene

Concen: 18.250 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. -0.00 min

Lab File: VN060182.D

Acq: 21 Feb 2020 11:57

Instrument :

MSVOA_N

ClientSampleId :

VN0221WBS01

Tot Ion:105 Resp: 169483

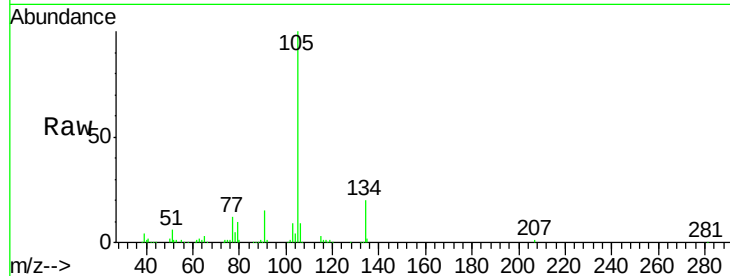
Ion Ratio Lower Upper

105 100

134 20.0 9.9 29.7

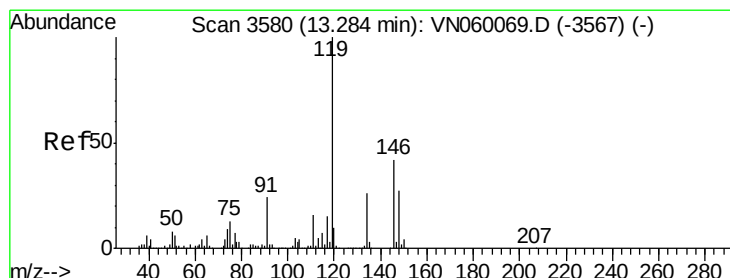
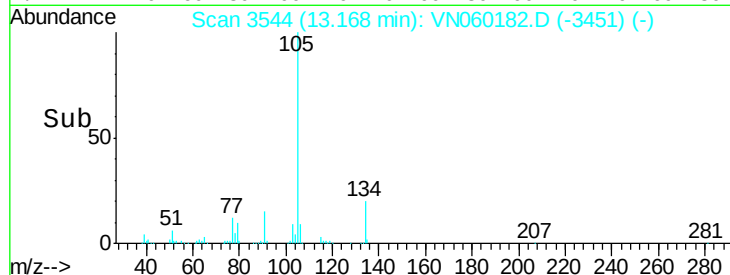
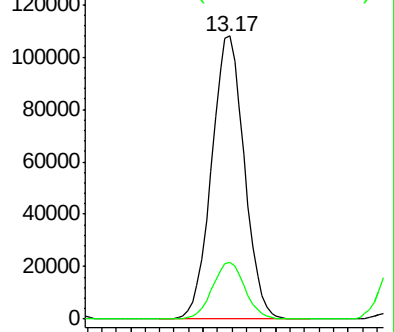
Manual Integrations
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 18.258 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. -0.00 min

Lab File: VN060182.D

Acq: 21 Feb 2020 11:57

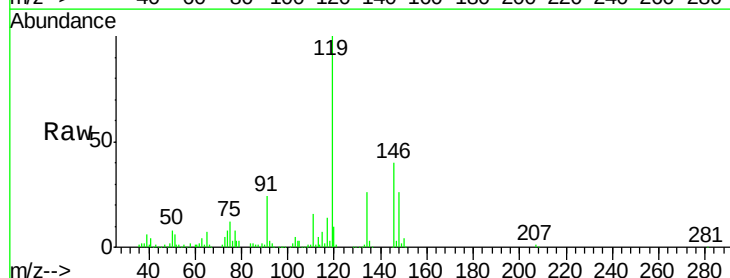
Tgt Ion:119 Resp: 153629

Ion Ratio Lower Upper

119 100

134 26.3 13.3 39.8

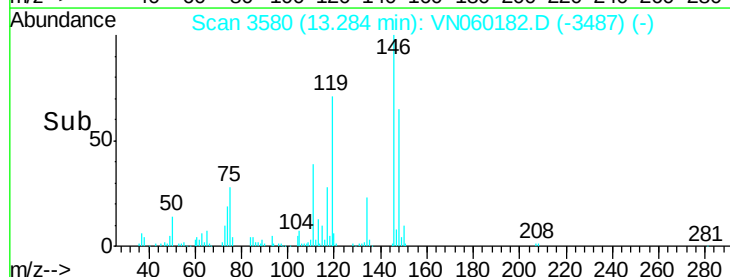
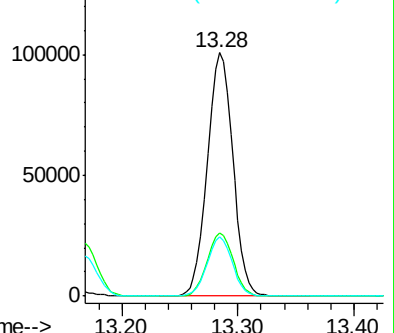
91 23.9 11.9 35.9

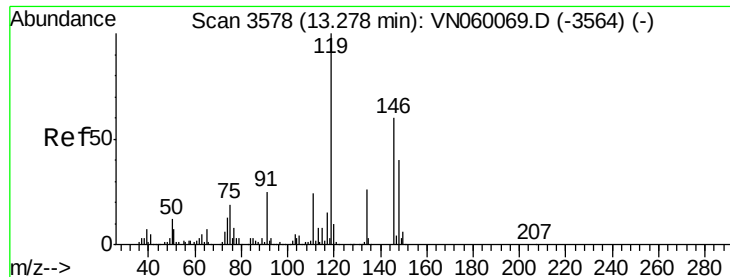


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





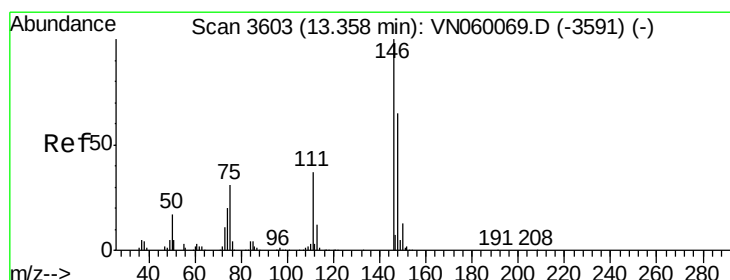
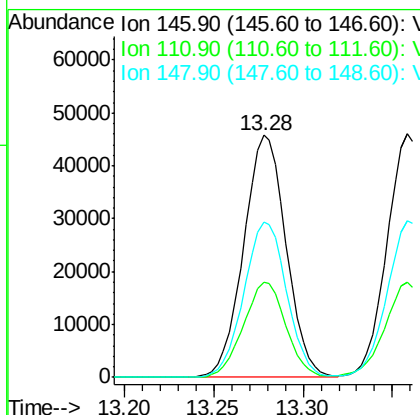
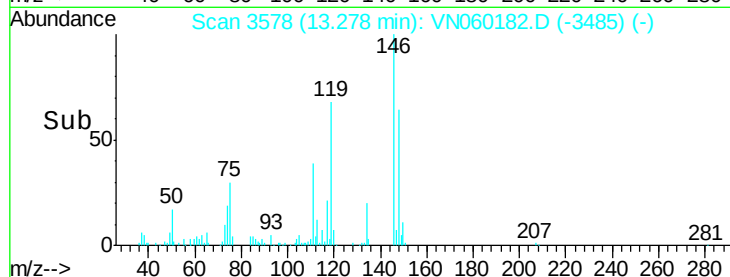
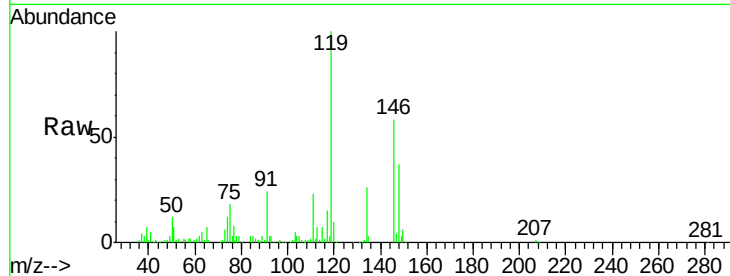
#87
 1,3-Dichlorobenzene
 Concen: 18.126 ug/l
 RT: 13.28 min Scan# 3578
 Delta R.T. -0.00 min
 Lab File: VN060182.D
 Acq: 21 Feb 2020 11:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0221WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.4	19.8	59.3
148	64.7	32.0	96.2

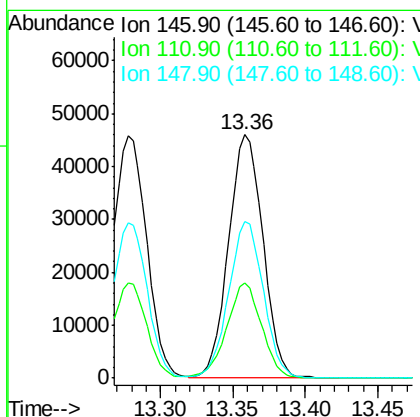
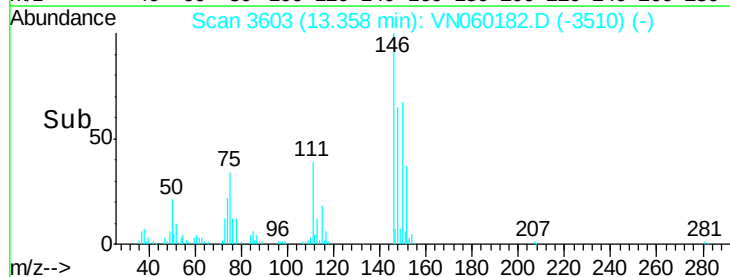
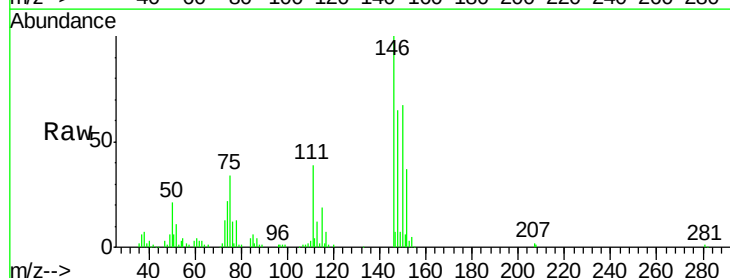
Manual Integrations
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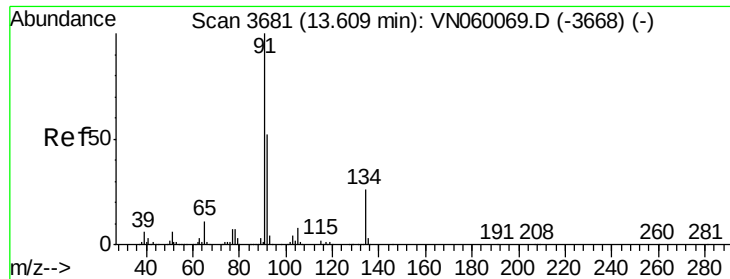
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#88
 1,4-Dichlorobenzene
 Concen: 18.137 ug/l
 RT: 13.36 min Scan# 3603
 Delta R.T. -0.00 min
 Lab File: VN060182.D
 Acq: 21 Feb 2020 11:57

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.6	18.9	56.5
148	64.8	32.0	96.0





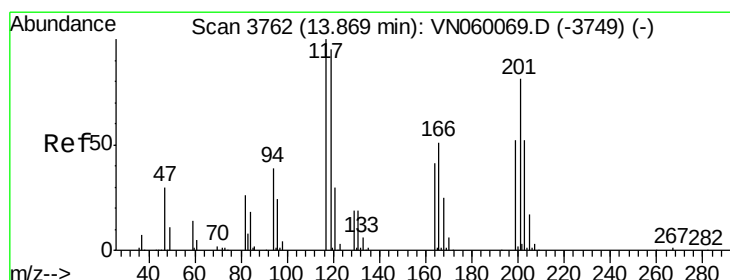
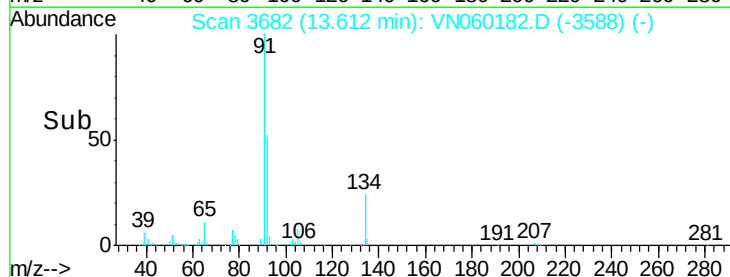
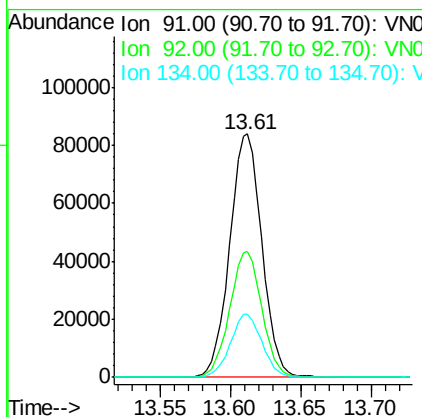
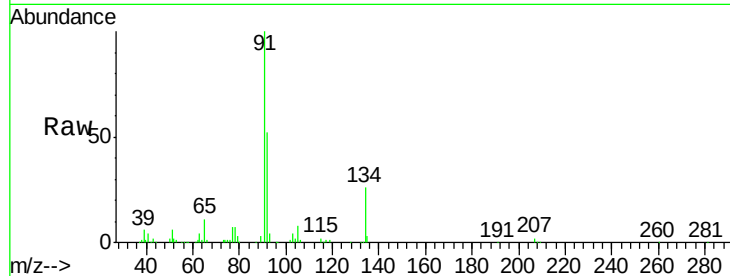
#89
n-Butylbenzene
Concen: 18.094 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN060182.D
Acq: 21 Feb 2020 11:57

Instrument :
MSVOA_N
ClientSampleId :
VN0221WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.7	26.1	78.2
134	25.5	13.1	39.3

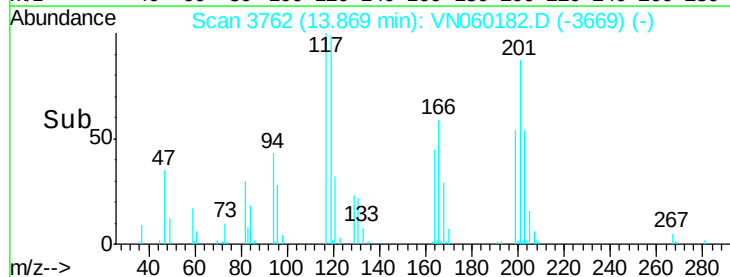
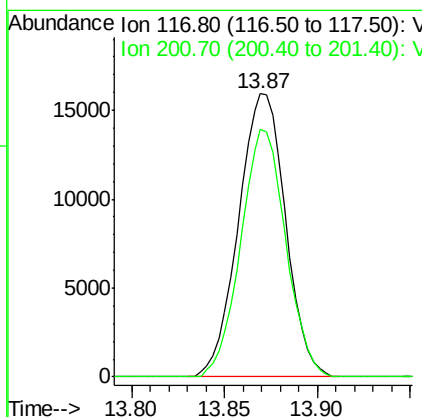
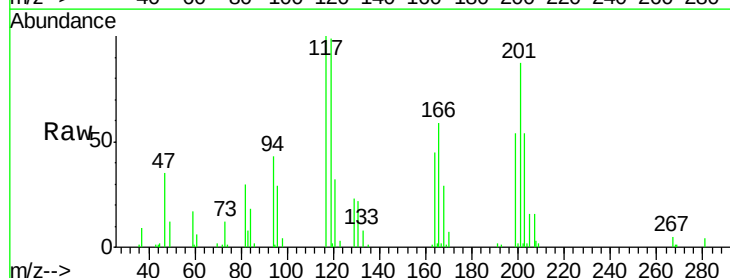
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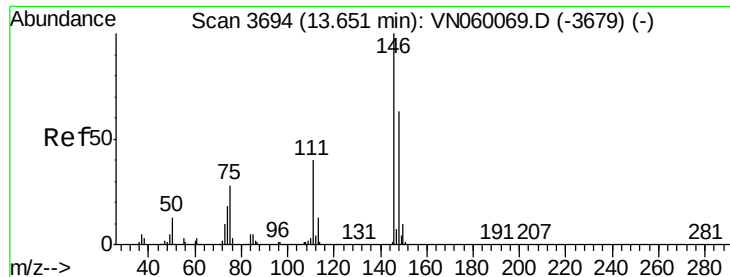
MMDadoda
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#90
Hexachloroethane
Concen: 17.901 ug/l
RT: 13.87 min Scan# 3762
Delta R.T. -0.00 min
Lab File: VN060182.D
Acq: 21 Feb 2020 11:57

Tgt Ion	Ratio	Lower	Upper
117	100		
201	83.6	41.7	125.1





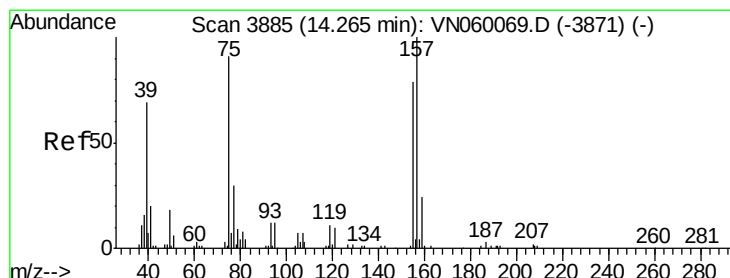
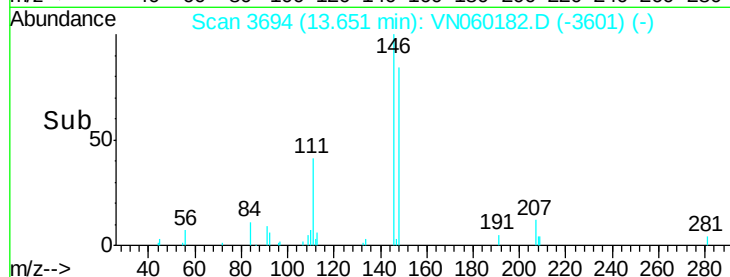
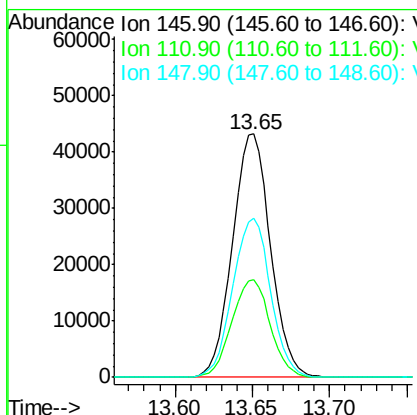
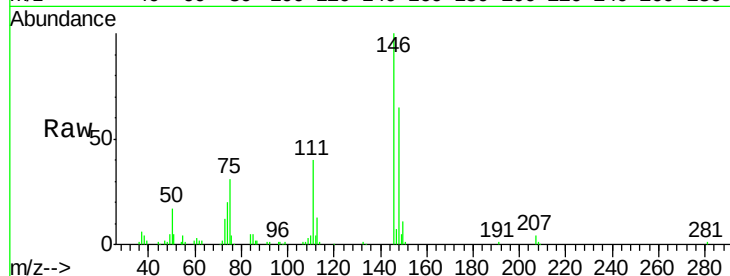
#91
 1,2-Dichlorobenzene
 Concen: 17.981 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. -0.00 min
 Lab File: VN060182.D
 Acq: 21 Feb 2020 11:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0221WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.4	20.1	60.2
148	65.2	31.9	95.5

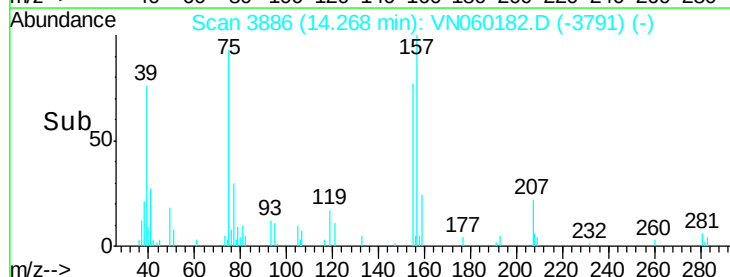
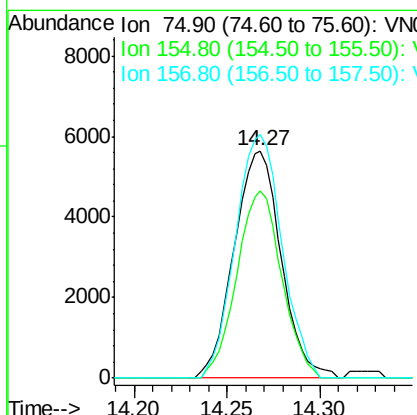
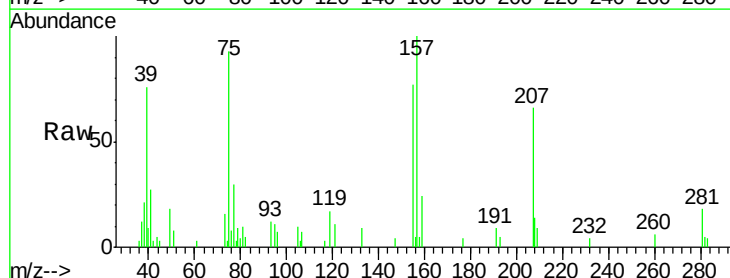
Manual Integrations
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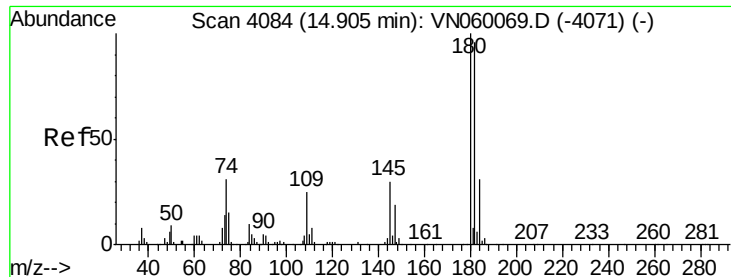
MMDadoda
 2/24/2020 11:41:06 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 16.564 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN060182.D
 Acq: 21 Feb 2020 11:57

Tgt Ion	Ratio	Lower	Upper
75	100		
155	78.4	43.0	129.0
157	106.5	54.9	164.5





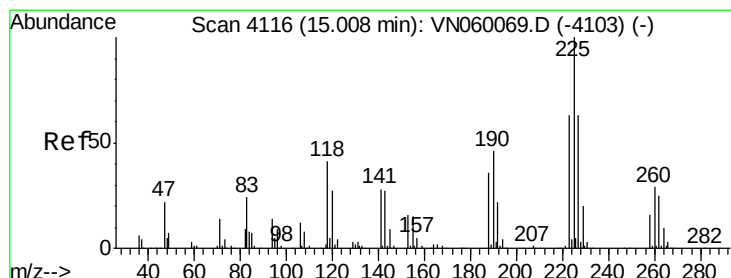
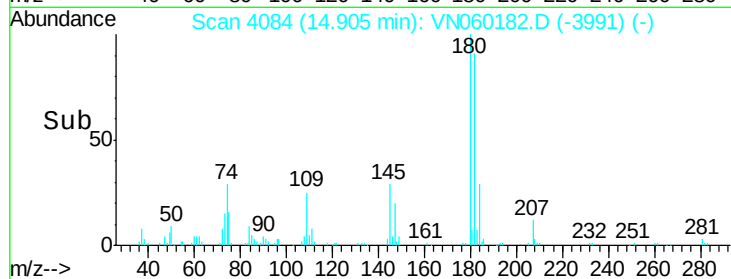
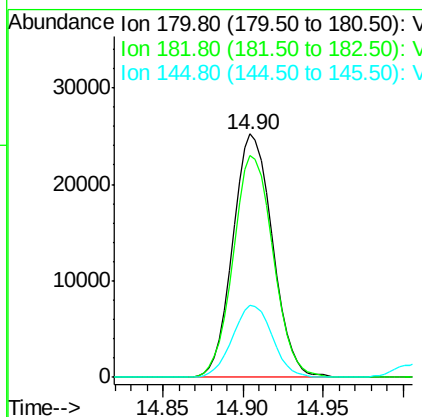
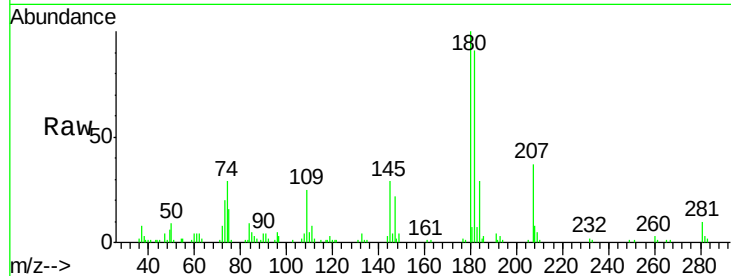
#93
 1,2,4-Trichlorobenzene
 Concen: 17.721 ug/l
 RT: 14.90 min Scan# 4084
 Delta R.T. -0.00 min
 Lab File: VN060182.D
 Acq: 21 Feb 2020 11:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0221WBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	91.7	47.9	143.8
145	29.7	15.2	45.5

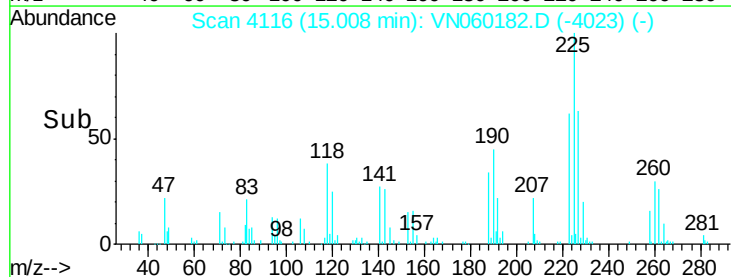
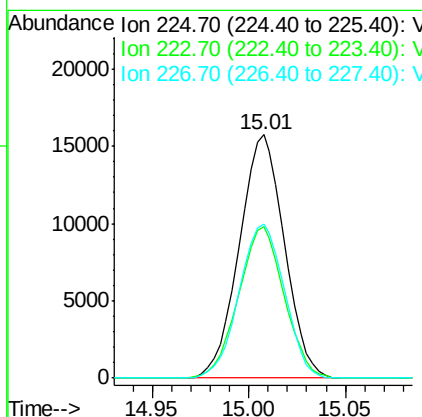
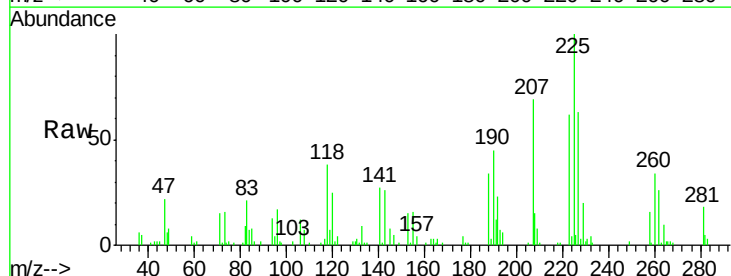
Manual Integrations
 APPROVED

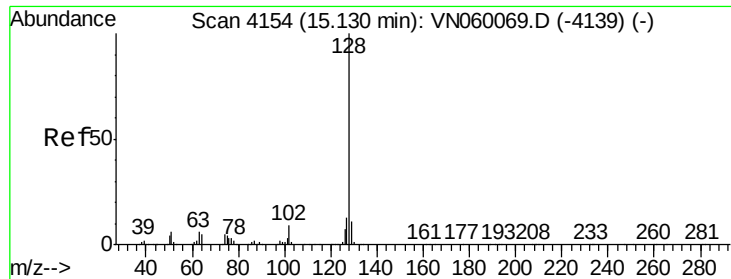
MMDadoda
 2/24/2020 11:41:06 AM



#94
 Hexachlorobutadiene
 Concen: 18.132 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN060182.D
 Acq: 21 Feb 2020 11:57

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.8	31.5	94.5
227	63.5	31.8	95.4





#95

Naphthalene

Concen: 16.153 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. -0.00 min

Lab File: VN060182.D

Acq: 21 Feb 2020 11:57

Instrument :

MSVOA_N

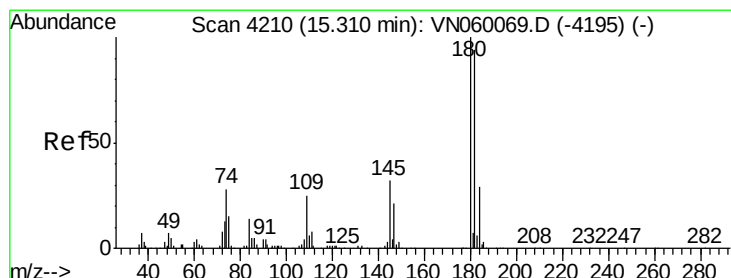
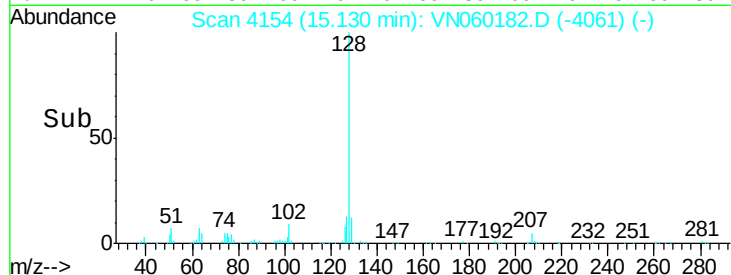
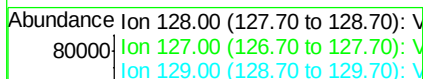
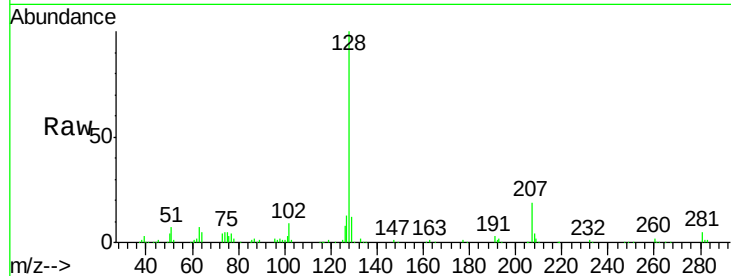
ClientSampleId :

VN0221WBS01

Tot Ion:	128	Resp:	105080
Ion Ratio	Lower	Upper	
128	100		
127	13.3	10.3	15.5
129	11.2	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
2/24/2020 11:41:06 AM



#96

1,2,3-Trichlorobenzene

Concen: 17.054 ug/l

RT: 15.31 min Scan# 4210

Delta R.T. -0.00 min

Lab File: VN060182.D

Acq: 21 Feb 2020 11:57

Tgt Ion:	180	Resp:	40900
Ion Ratio	Lower	Upper	
180	100		
182	97.8	47.5	142.5
145	33.0	16.1	48.3

