

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN060120\
 Data File : VN061586.D
 Acq On : 1 Jun 2020 11:47
 Operator : JC/MD
 Sample : VN0601WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0601WBS01

Manual Integrations
 APPROVED

MMDadoda
 6/2/2020 4:01:36 PM

Quant Time: Jun 02 04:04:28 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N052820W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 29 02:14:10 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	378751	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.54	114	622515	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	582588	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	286216	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.98	65	228665	50.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.34%	
35) Dibromofluoromethane	7.54	113	181363	57.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.86%	
50) Toluene-d8	10.06	98	765935	52.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.68%	
62) 4-Bromofluorobenzene	12.37	95	268937	50.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.74%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	84810	20.097	ug/l	98
3) Chloromethane	2.03	50	87358	18.911	ug/l	100
4) Vinyl Chloride	2.16	62	115080	18.179	ug/l	99
5) Bromomethane	2.54	94	72350	19.917	ug/l	100
6) Chloroethane	2.67	64	74859	18.372	ug/l	99
7) Trichlorofluoromethane	2.98	101	144638	17.718	ug/l	99
8) Diethyl Ether	3.37	74	45298	18.147	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.72	101	74675	20.614	ug/l	97
10) Methyl Iodide	3.91	142	94089	18.710	ug/l	98
11) Tert butyl alcohol	4.72	59	56433	94.020	ug/l	100
12) 1,1-Dichloroethene	3.69	96	71449	18.461	ug/l	98
13) Acrolein	3.57	56	18166	84.146	ug/l	96
14) Allyl chloride	4.27	41	90136	17.815	ug/l	98
15) Acrylonitrile	4.92	53	144622	86.323	ug/l	98
16) Acetone	3.77	43	123146	95.179	ug/l	99
17) Carbon Disulfide	4.00	76	186780	21.936	ug/l	97
18) Methyl Acetate	4.27	43	69814	17.090	ug/l	100
19) Methyl tert-butyl Ether	4.98	73	237658	18.018	ug/l	99
20) Methylene Chloride	4.49	84	81331	18.742	ug/l	94
21) trans-1,2-Dichloroethene	4.98	96	80750	18.501	ug/l	94
22) Diisopropyl ether	5.89	45	206615	18.528	ug/l	95
23) Vinyl Acetate	5.84	43	775001	87.195	ug/l	100
24) 1,1-Dichloroethane	5.79	63	130985	18.523	ug/l	99
25) 2-Butanone	6.78	43	177144	82.830	ug/l	98
26) 2,2-Dichloropropane	6.77	77	123799	19.128	ug/l	100
27) cis-1,2-Dichloroethene	6.77	96	93090	18.836	ug/l	99
28) Bromochloromethane	7.14	49	56865	20.600	ug/l	96
29) Tetrahydrofuran	7.16	42	113307	80.345	ug/l	98
30) Chloroform	7.32	83	148725	19.010	ug/l	99
31) Cyclohexane	7.61	56	118013	18.556	ug/l	# 92
32) 1,1,1-Trichloroethane	7.52	97	132105	18.532	ug/l	98
36) 1,1-Dichloropropene	7.75	75	106948	19.407	ug/l	99
37) Ethyl Acetate	6.87	43	79581	17.929	ug/l	99
38) Carbon Tetrachloride	7.73	117	104778	19.711	ug/l	94

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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	9.04	83	131742	19.395	ug/l	98
40) Benzene	8.00	78	326726	19.215	ug/l	99
41) Methacrylonitrile	7.12	41	27893	13.716	ug/l	89
42) 1,2-Dichloroethane	8.08	62	107087	18.812	ug/l	100
43) Isopropyl Acetate	8.12	43	136347	17.074	ug/l	99
44) Trichloroethene	8.80	130	100096	19.155	ug/l	97
45) 1,2-Dichloropropane	9.08	63	77304	19.146	ug/l	99
46) Dibromomethane	9.17	93	57895	18.696	ug/l	100
47) Bromodichloromethane	9.37	83	117767	19.196	ug/l	100
48) Methyl methacrylate	9.16	41	56905	15.838	ug/l	96
49) 1,4-Dioxane	9.16	88	24750	444.669	ug/l	99
51) 4-Methyl-2-Pentanone	9.95	43	381437	84.762	ug/l	100
52) Toluene	10.12	92	215162	19.387	ug/l	99
53) t-1,3-Dichloropropene	10.35	75	124273	18.803	ug/l	99
54) cis-1,3-Dichloropropene	9.81	75	135542	19.074	ug/l	100
55) 1,1,2-Trichloroethane	10.53	97	84221	19.048	ug/l	96
56) Ethyl methacrylate	10.40	69	109805	17.778	ug/l	99
57) 1,3-Dichloropropane	10.68	76	134557	19.028	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.66	63	234073	88.682	ug/l	100
59) 2-Hexanone	10.72	43	266230	82.377	ug/l	99
60) Dibromochloromethane	10.87	129	95152	18.930	ug/l	99
61) 1,2-Dibromoethane	10.98	107	86296	18.714	ug/l	100
64) Tetrachloroethene	10.60	164	105340	19.209	ug/l	95
65) Chlorobenzene	11.40	112	232907	19.233	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.48	131	87415	19.386	ug/l	99
67) Ethyl Benzene	11.48	91	404248	19.314	ug/l	99
68) m/p-Xylenes	11.59	106	318442	38.371	ug/l	98
69) o-Xylene	11.92	106	155180	19.687	ug/l	97
70) Styrene	11.94	104	247570	18.966	ug/l	98
71) Bromoform	12.10	173	62331	17.939	ug/l #	97
73) Isopropylbenzene	12.22	105	404387	19.358	ug/l	100
74) N-amyl acetate	12.04	43	111545	16.955	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	102399	17.492	ug/l	99
76) 1,2,3-Trichloropropane	12.53	75	84618m	16.259	ug/l	
77) Bromobenzene	12.50	156	99686	18.695	ug/l	100
78) n-propylbenzene	12.56	91	451607	19.365	ug/l	100
79) 2-Chlorotoluene	12.65	91	263504	18.949	ug/l	99
80) 1,3,5-Trimethylbenzene	12.71	105	339836	19.463	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.27	75	33499	16.460	ug/l	95
82) 4-Chlorotoluene	12.74	91	272622	18.635	ug/l	99
83) tert-Butylbenzene	12.97	119	295233	19.138	ug/l	100
84) 1,2,4-Trimethylbenzene	13.01	105	340773	19.646	ug/l	100
85) sec-Butylbenzene	13.15	105	385960	19.416	ug/l	99
86) p-Isopropyltoluene	13.26	119	362967	19.827	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	180662	19.133	ug/l	98
88) 1,4-Dichlorobenzene	13.34	146	181047	18.821	ug/l	99
89) n-Butylbenzene	13.59	91	298183	19.446	ug/l	99
90) Hexachloroethane	13.85	117	43690	21.580	ug/l	99
91) 1,2-Dichlorobenzene	13.62	146	174104	19.294	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.24	75	19545	16.371	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	98304	18.627	ug/l	99
94) Hexachlorobutadiene	14.98	225	45716	20.311	ug/l	99
95) Naphthalene	15.10	128	272266	16.950	ug/l	100
96) 1,2,3-Trichlorobenzene	15.28	180	96297	18.558	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1818

Delta R.T. -0.01 min

Lab File: VN061586.D

Acq: 1 Jun 2020 11:47

Instrument :

MSVOA_N

ClientSampleId :

VN0601WBS01

Tot Ion:168 Resp: 378751

Ion Ratio Lower Upper

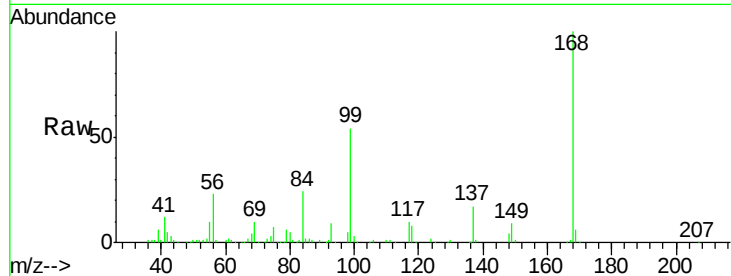
168 100

99 54.3 45.0 67.4

Manual Integrations
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.62

150000

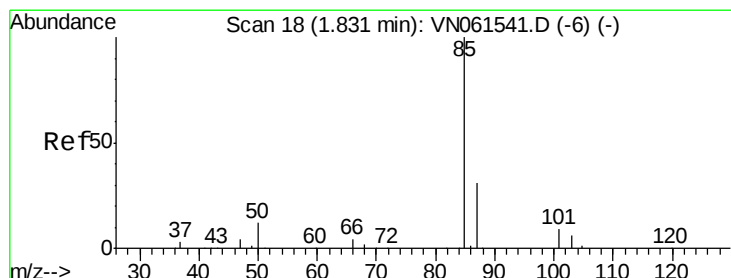
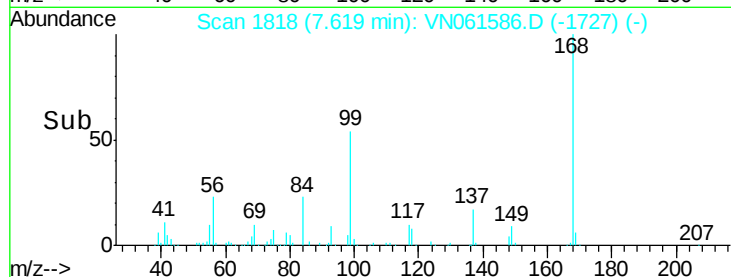
100000

50000

0

7.50 7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 20.097 ug/l

RT: 1.83 min Scan# 18

Delta R.T. 0.00 min

Lab File: VN061586.D

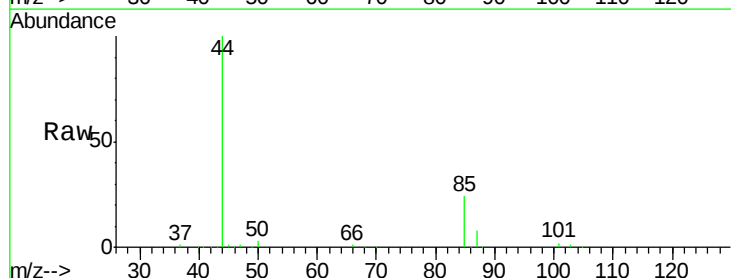
Acq: 1 Jun 2020 11:47

Tgt Ion: 85 Resp: 84810

Ion Ratio Lower Upper

85 100

87 32.4 15.6 46.8



Abundance Ion 84.90 (84.60 to 85.60): VN0

Ion 86.90 (86.60 to 87.60): VN0

1.83

60000

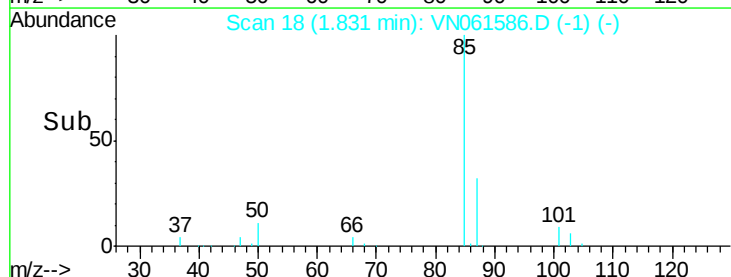
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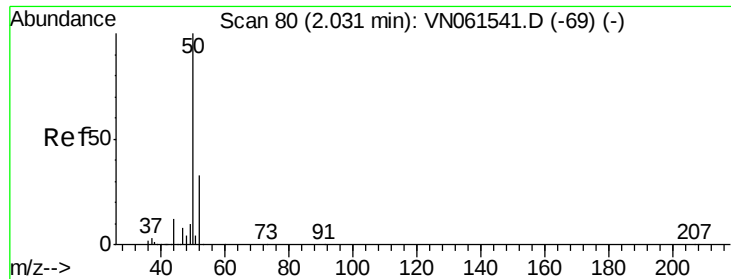
20000

0

1.75 1.80 1.85 1.90

Time-->





#3

Chloromethane

Concen: 18.911 ug/l

RT: 2.03 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN061586.D

Acq: 1 Jun 2020 11:47

Instrument :

MSVOA_N

ClientSampleId :

VN0601WBS01

Tot Ion: 50 Resp: 87358

Ion Ratio Lower Upper

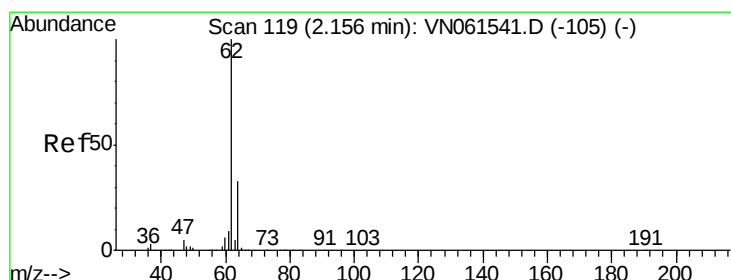
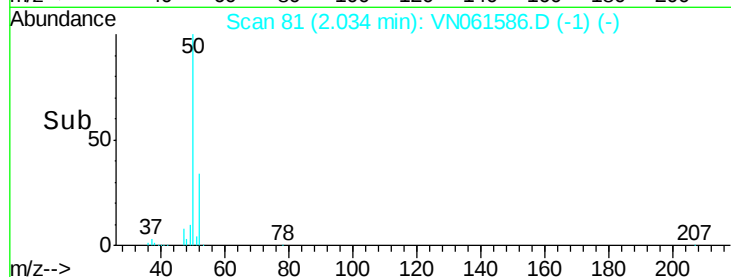
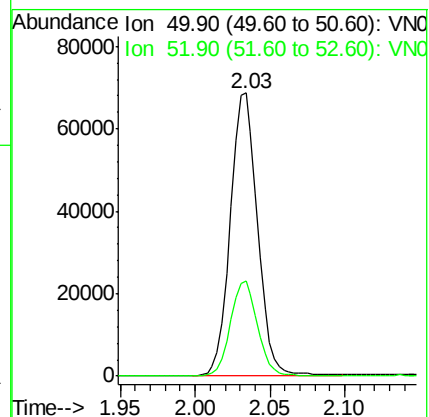
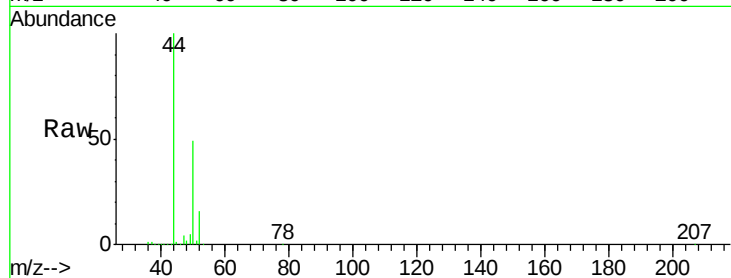
50 100

52 33.5 26.7 40.1

Manual Integrations
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#4

Vinyl Chloride

Concen: 18.179 ug/l

RT: 2.16 min Scan# 120

Delta R.T. 0.00 min

Lab File: VN061586.D

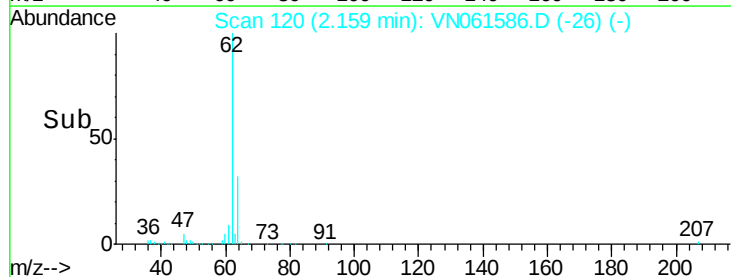
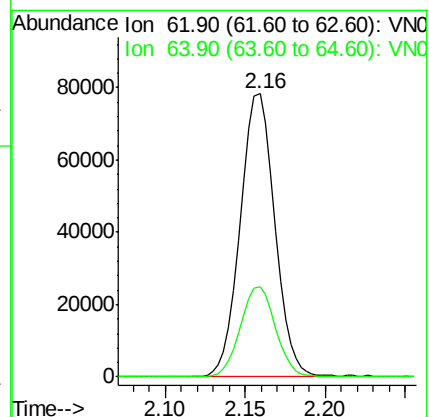
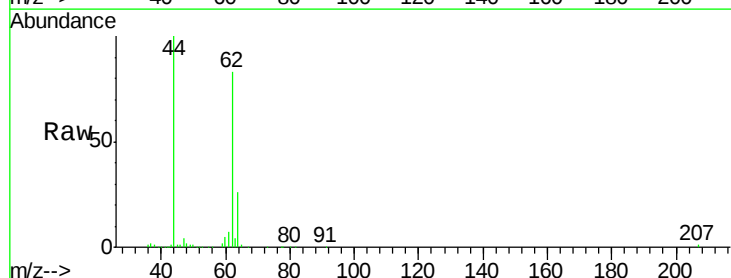
Acq: 1 Jun 2020 11:47

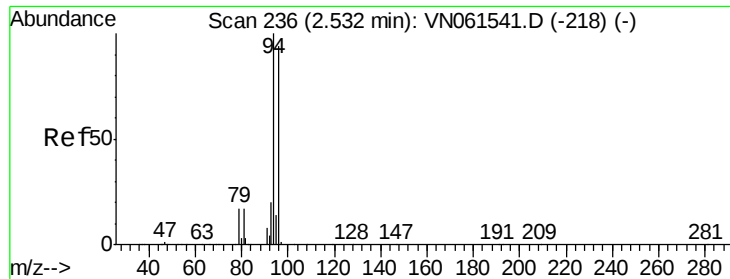
Tgt Ion: 62 Resp: 115080

Ion Ratio Lower Upper

62 100

64 31.9 26.2 39.2





#5

Bromomethane

Concen: 19.917 ug/l

RT: 2.54 min Scan# 237

Delta R.T. 0.00 min

Lab File: VN061586.D

Acq: 1 Jun 2020 11:47

Instrument :

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ClientSampleId :

VN0601WBS01

Tot Ion: 94 Resp: 72350

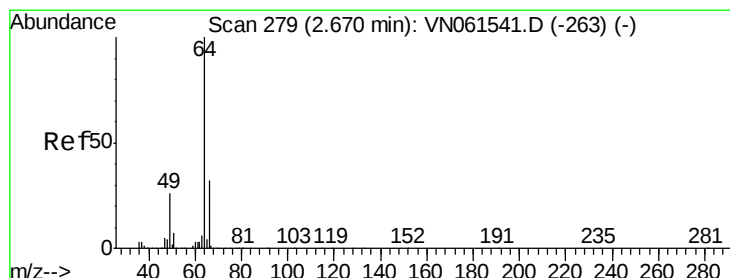
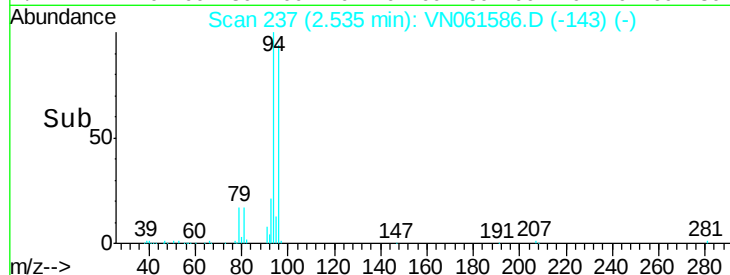
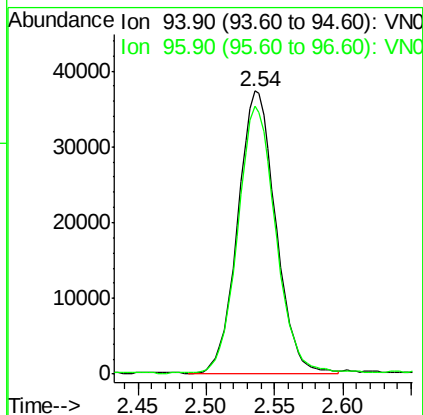
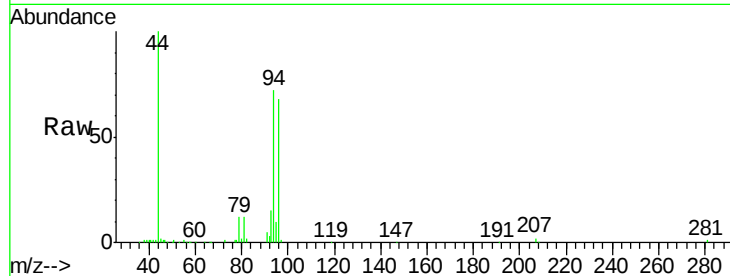
Ion Ratio Lower Upper

94 100

96 93.9 74.8 112.2

Manual Integrations
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#6

Chloroethane

Concen: 18.372 ug/l

RT: 2.67 min Scan# 280

Delta R.T. 0.00 min

Lab File: VN061586.D

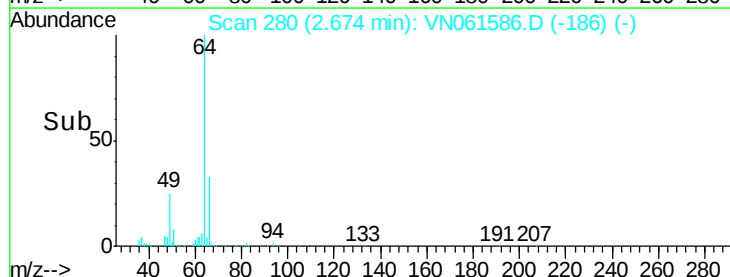
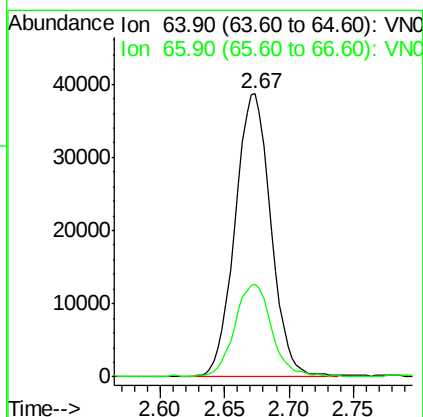
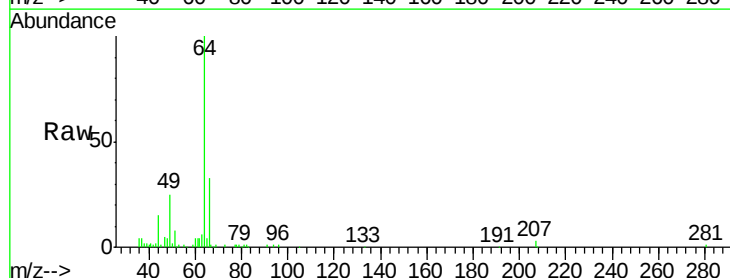
Acq: 1 Jun 2020 11:47

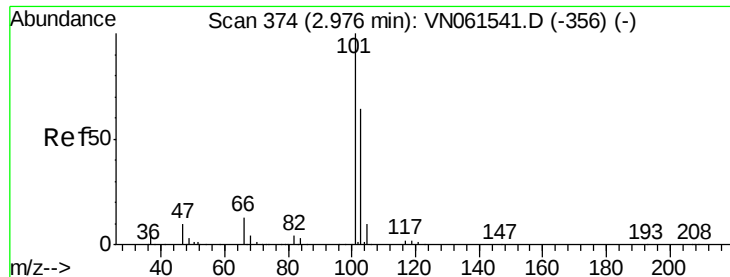
Tgt Ion: 64 Resp: 74859

Ion Ratio Lower Upper

64 100

66 32.7 25.6 38.4





#7

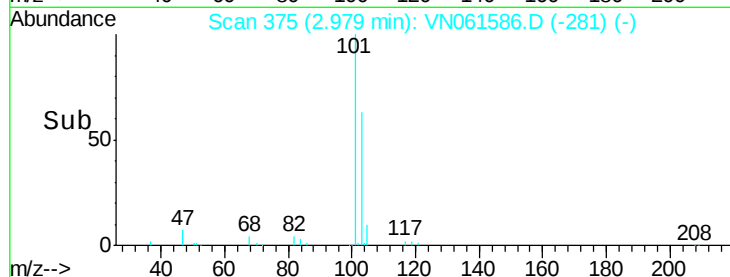
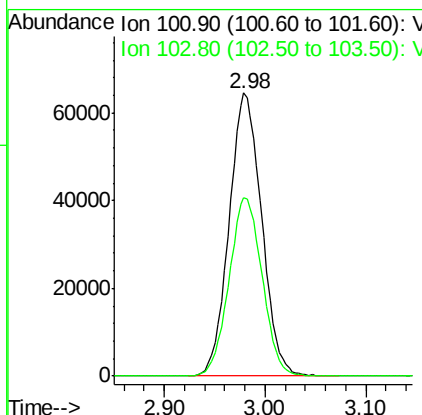
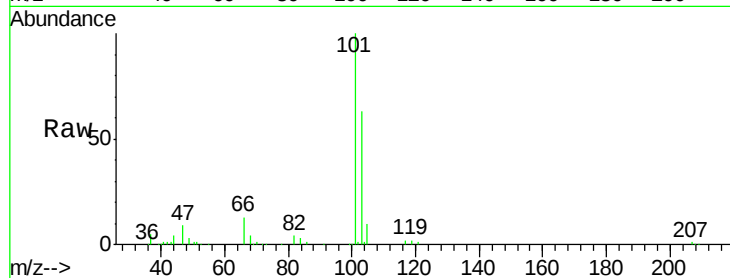
Trichlorofluoromethane
 Concen: 17.718 ug/l
 RT: 2.98 min Scan# 375
 Delta R.T. 0.00 min
 Lab File: VN061586.D
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Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		144638		
103	63.2	51.4	77.2		

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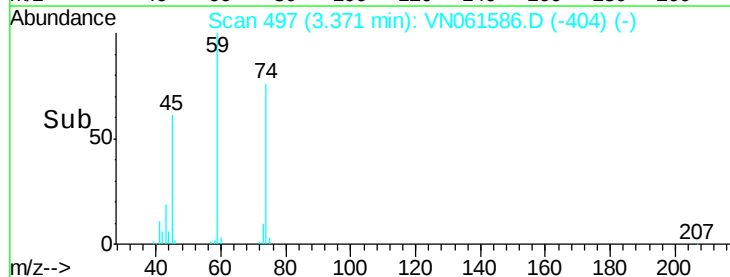
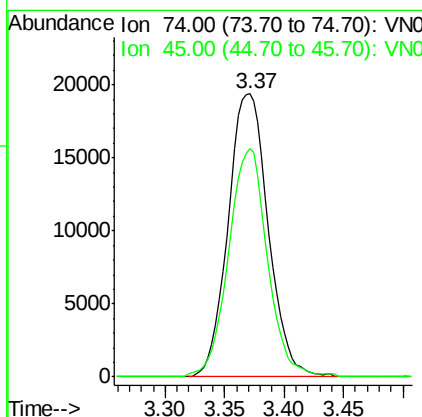
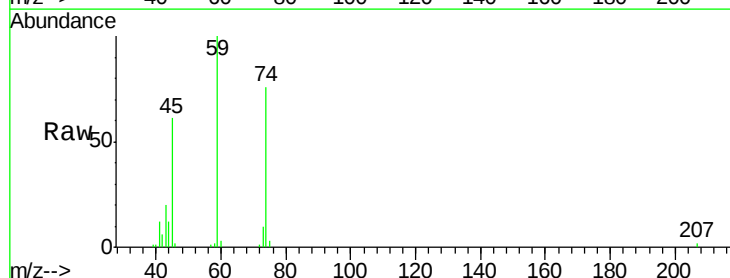
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#8

Diethyl Ether
 Concen: 18.147 ug/l
 RT: 3.37 min Scan# 497
 Delta R.T. 0.00 min
 Lab File: VN061586.D
 Acq: 1 Jun 2020 11:47

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		45298		
45	78.0	39.9	119.7		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.614 ug/l

RT: 3.72 min Scan# 604

Delta R.T. 0.00 min

Lab File: VN061586.D

Acq: 1 Jun 2020 11:47

Instrument :

MSVOA_N

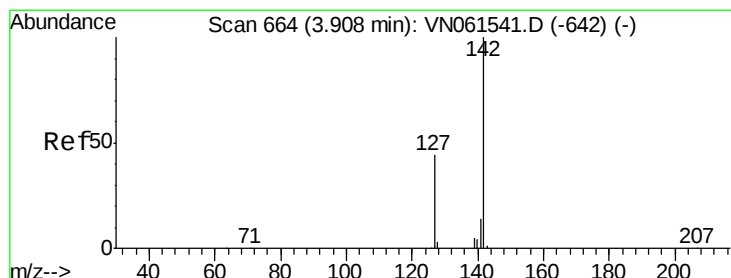
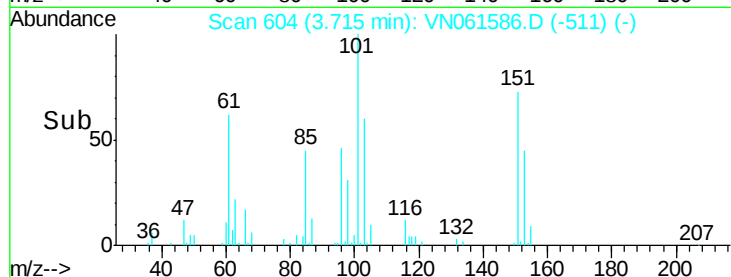
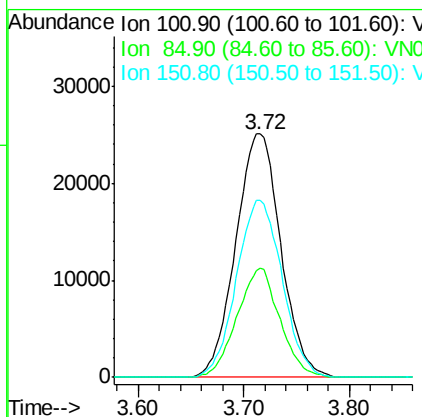
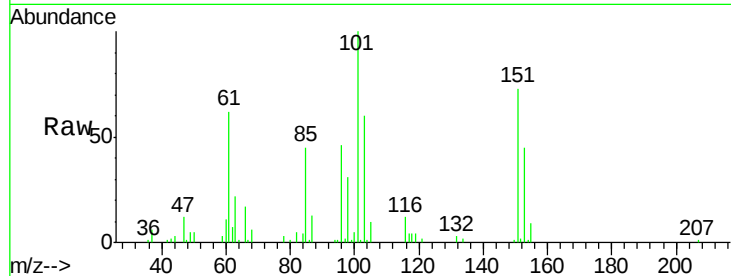
ClientSampleId :

VN0601WBS01

Tot Ion:	101	Resp:	74675
Ion Ratio	Lower	Upper	
101	100		
85	42.5	35.2	52.8
151	73.4	61.0	91.6

Manual Integrations
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#10

Methyl Iodide

Concen: 18.710 ug/l

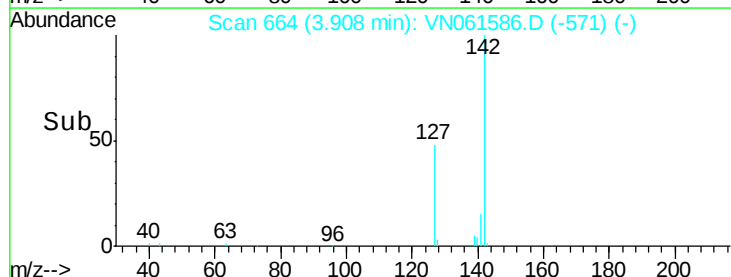
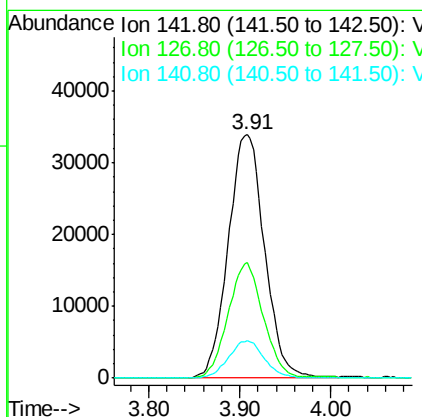
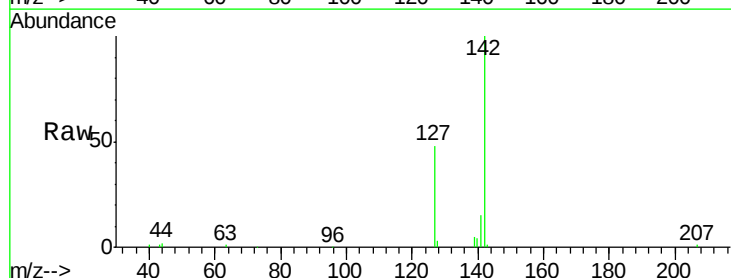
RT: 3.91 min Scan# 664

Delta R.T. 0.00 min

Lab File: VN061586.D

Acq: 1 Jun 2020 11:47

Tgt Ion:	142	Resp:	94089
Ion Ratio	Lower	Upper	
142	100		
127	45.9	35.5	53.3
141	15.0	11.5	17.3





#11

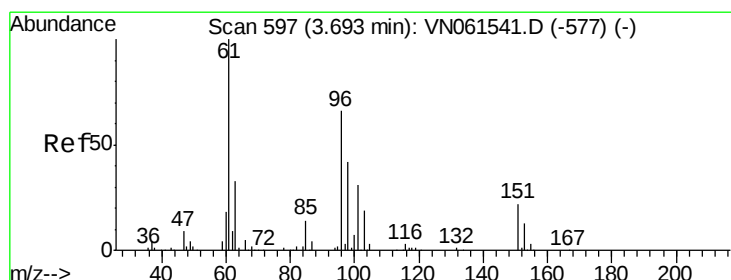
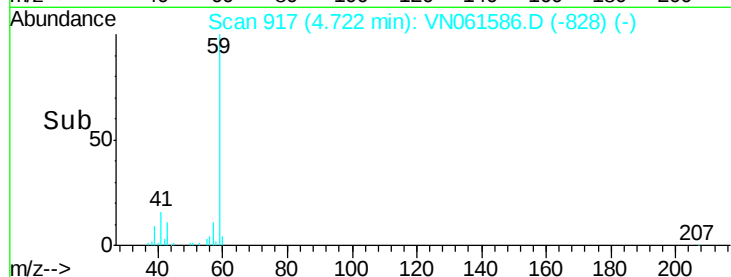
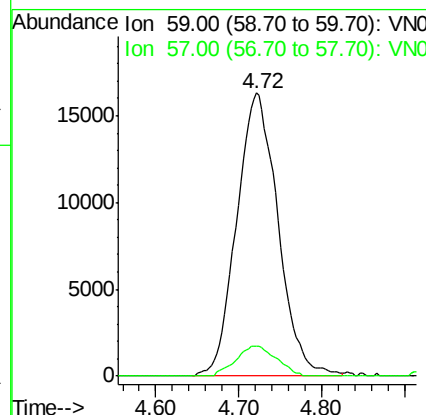
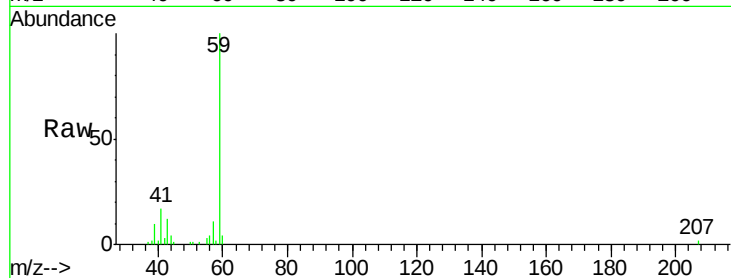
Tert butyl alcohol
Concen: 94.020 ug/l
RT: 4.72 min Scan# 917
Delta R.T. -0.01 min
Lab File: VN061586.D
Acq: 1 Jun 2020 11:47

Instrument :
MSVOA_N
ClientSampled :
VN0601WBS01

Tot Ion	59	Resp	56433
Ion Ratio	100	Lower	Upper
57	10.5	8.4	12.6

Manual Integrations
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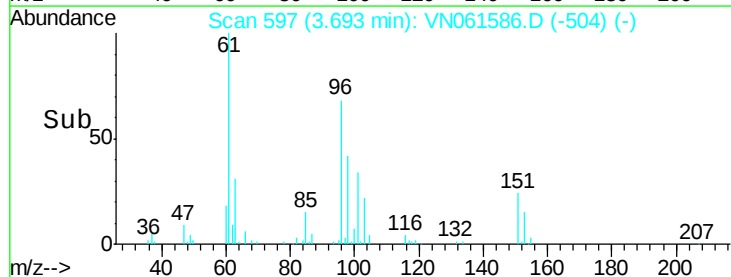
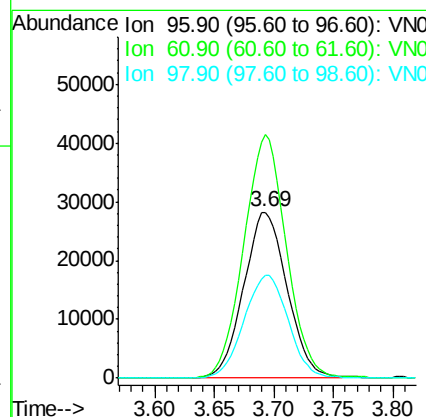
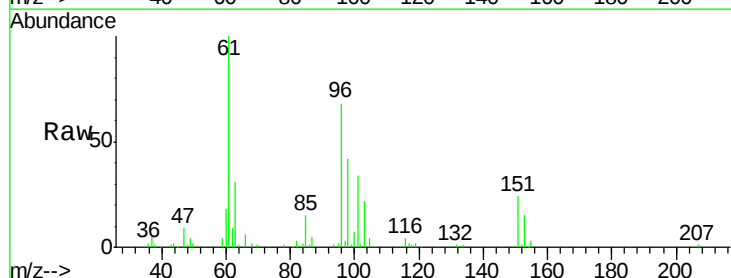
MMDadoda
6/2/2020 4:01:36 PM

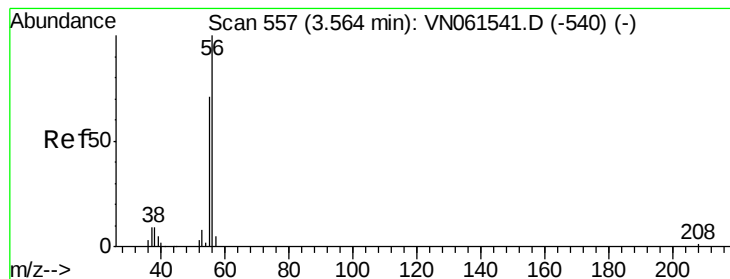


#12

1,1-Dichloroethene
Concen: 18.461 ug/l
RT: 3.69 min Scan# 597
Delta R.T. 0.00 min
Lab File: VN061586.D
Acq: 1 Jun 2020 11:47

Tgt Ion	96	Resp	71449
Ion Ratio	100	Lower	Upper
61	147.0	120.5	180.7
98	62.2	50.8	76.2





#13

Acrolein

Concen: 84.146 ug/l

RT: 3.57 min Scan# 558

Delta R.T. 0.00 min

Lab File: VN061586.D

Acq: 1 Jun 2020 11:47

Instrument :

MSVOA_N

ClientSampleId :

VN0601WBS01

Tot Ion: 56 Resp: 18166

Ion Ratio Lower Upper

56 100

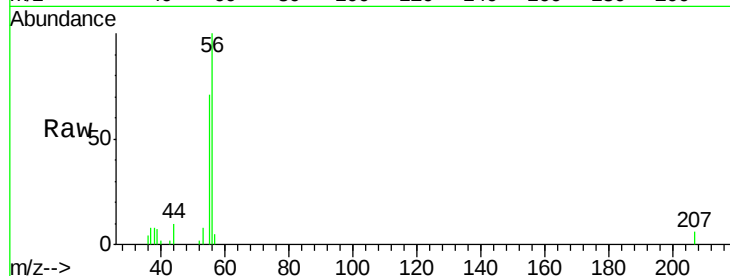
55 75.7 58.0 87.0

Manual Integrations

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Abundance Ion 56.00 (55.70 to 56.70): VN061586.D (-540) (-)

Ion 55.00 (54.70 to 55.70): VN061586.D (-540) (-)

3.57

8000

6000

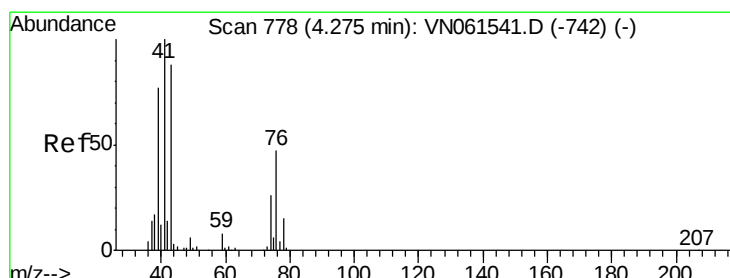
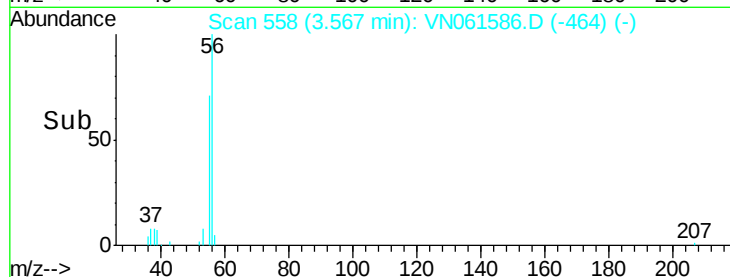
4000

2000

0

3.50 3.55 3.60 3.65

Time-->



#14

Allyl chloride

Concen: 17.815 ug/l

RT: 4.27 min Scan# 776

Delta R.T. -0.01 min

Lab File: VN061586.D

Acq: 1 Jun 2020 11:47

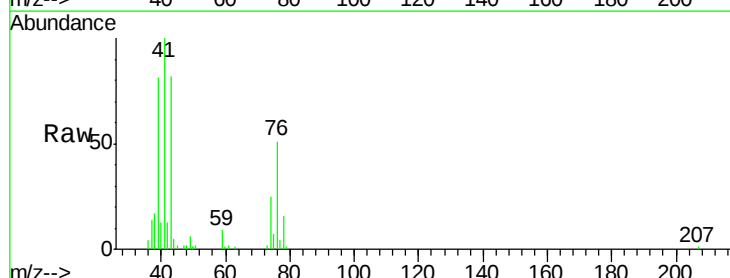
Tgt Ion: 41 Resp: 90136

Ion Ratio Lower Upper

41 100

39 74.6 58.6 88.0

76 44.3 34.2 51.4



Abundance Ion 41.00 (40.70 to 41.70): VN061586.D (-685) (-)

Ion 39.00 (38.70 to 39.70): VN061586.D (-685) (-)

Ion 75.90 (75.60 to 76.60): VN061586.D (-685) (-)

4.27

40000

30000

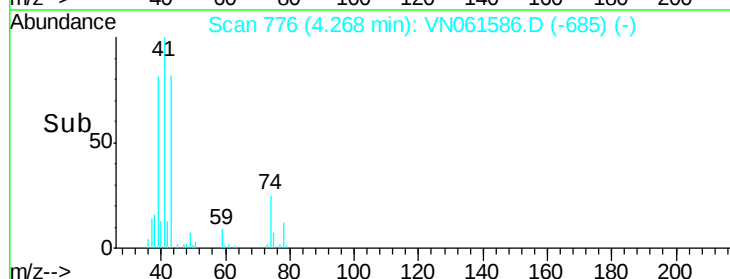
20000

10000

0

4.10 4.20 4.30 4.40

Time-->





#15

Acrylonitrile

Concen: 86.323 ug/l

RT: 4.92 min Scan# 980

Delta R.T. -0.00 min

Lab File: VN061586.D

Acq: 1 Jun 2020 11:47

Instrument :

MSVOA_N

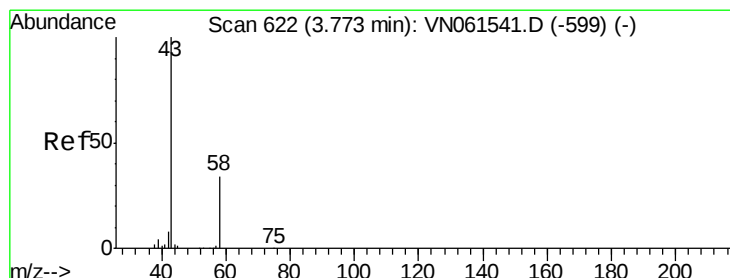
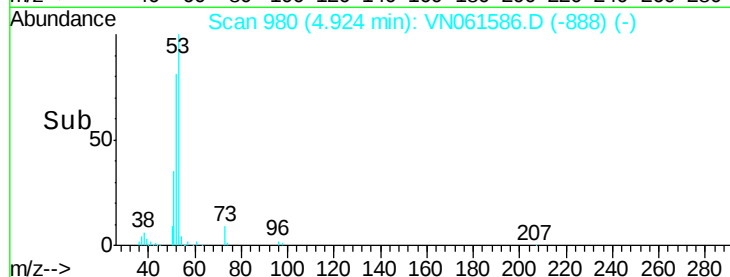
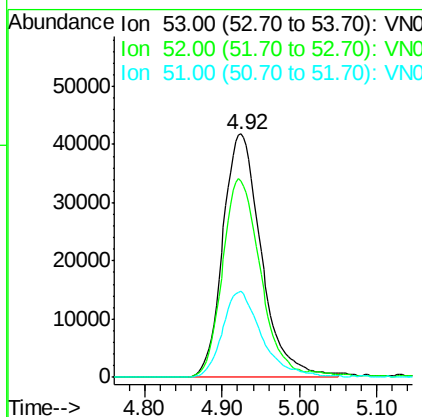
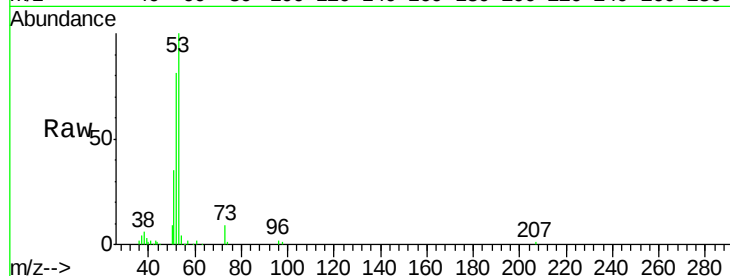
ClientSampleId :

VN0601WBS01

Tot Ion:	53	Resp:	144622
Ion Ratio	Lower	Upper	
53	100		
52	79.9	65.4	98.2
51	36.0	29.0	43.6

Manual Integrations
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#16

Acetone

Concen: 95.179 ug/l

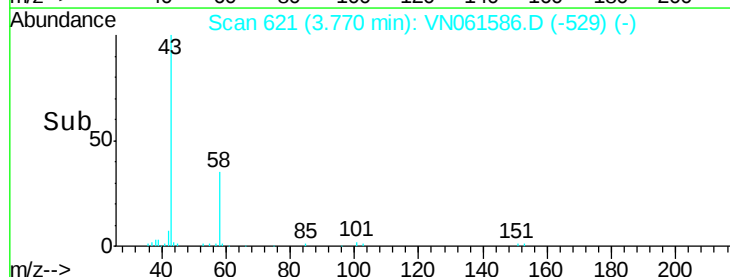
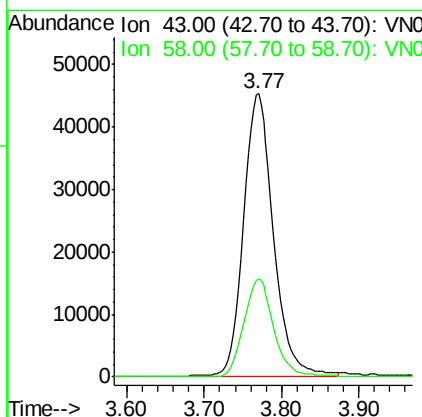
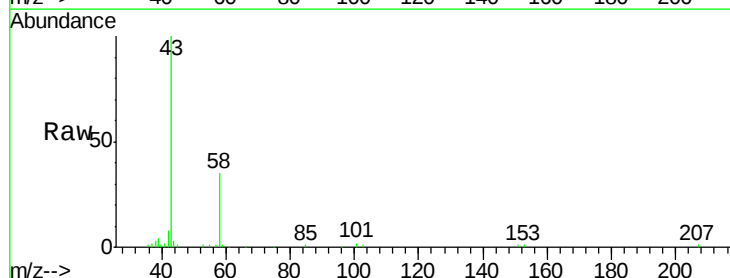
RT: 3.77 min Scan# 621

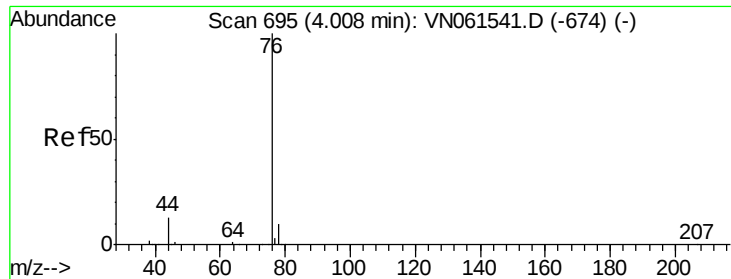
Delta R.T. -0.00 min

Lab File: VN061586.D

Acq: 1 Jun 2020 11:47

Tgt Ion:	43	Resp:	123146
Ion Ratio	Lower	Upper	
43	100		
58	34.7	27.2	40.8





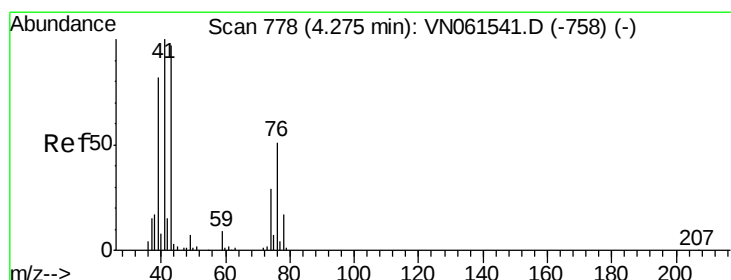
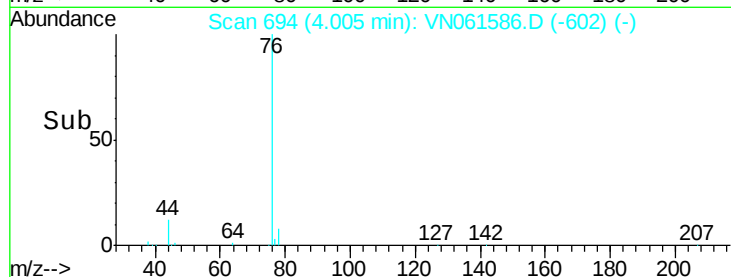
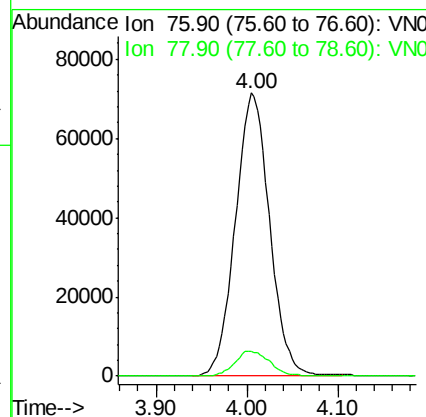
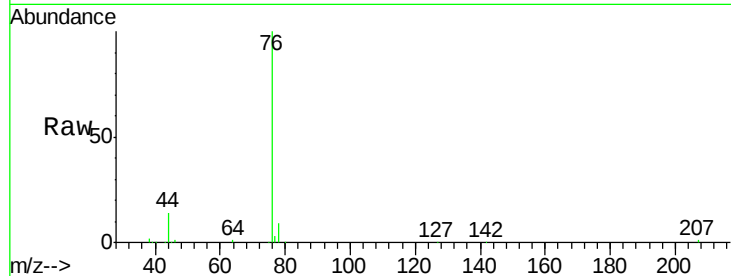
#17
Carbon Disulfide
Concen: 21.936 ug/l
RT: 4.00 min Scan# 694
Delta R.T. -0.00 min
Lab File: VN061586.D
Acq: 1 Jun 2020 11:47

Instrument :
MSVOA_N
ClientSampleId :
VN0601WBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.6	7.8	11.6

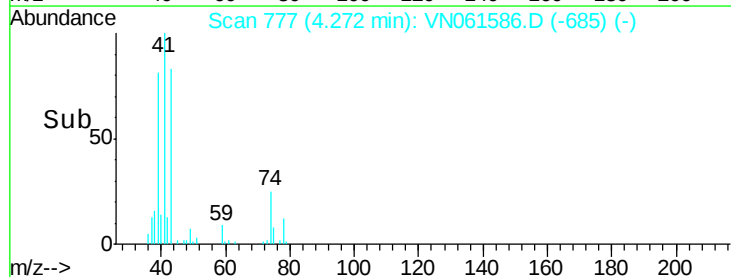
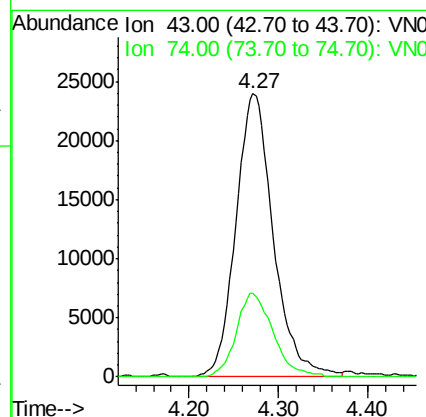
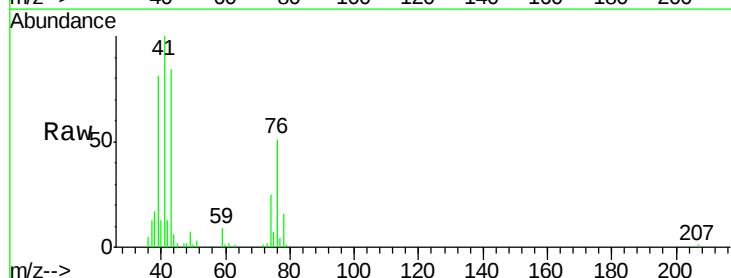
Manual Integrations
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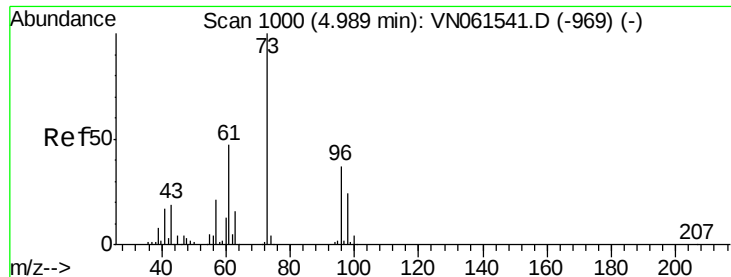
MMDadoda
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#18
Methyl Acetate
Concen: 17.090 ug/l
RT: 4.27 min Scan# 777
Delta R.T. -0.00 min
Lab File: VN061586.D
Acq: 1 Jun 2020 11:47

Tgt Ion	Ratio	Lower	Upper
43	100		
74	29.2	23.2	34.8





#19

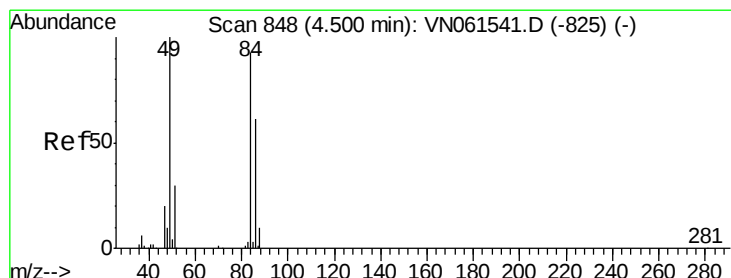
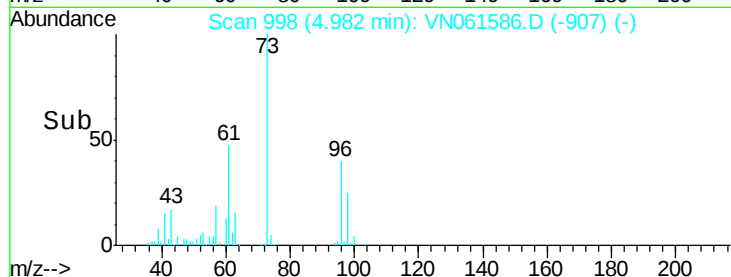
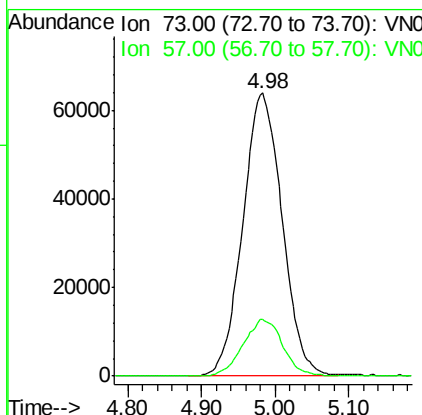
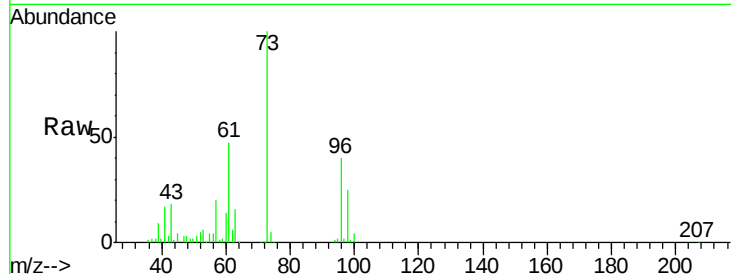
Methyl tert-butyl Ether
 Concen: 18.018 ug/l
 RT: 4.98 min Scan# 998
 Delta R.T. -0.01 min
 Lab File: VN061586.D
 Acq: 1 Jun 2020 11:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0601WBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	20.3	16.4	24.6

Manual Integrations
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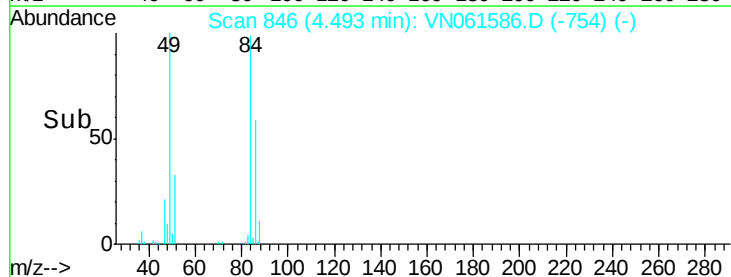
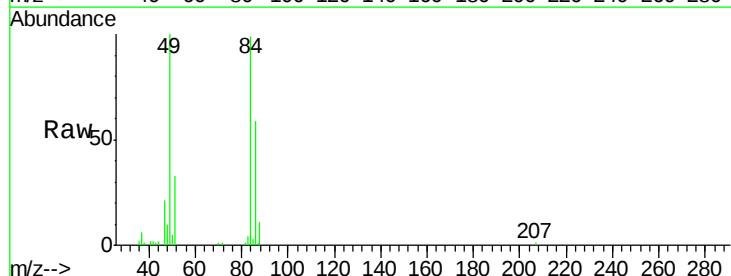
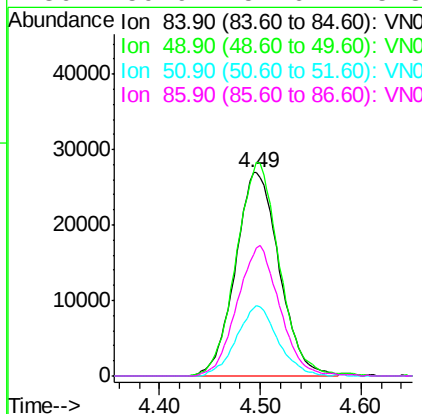
MMDadoda
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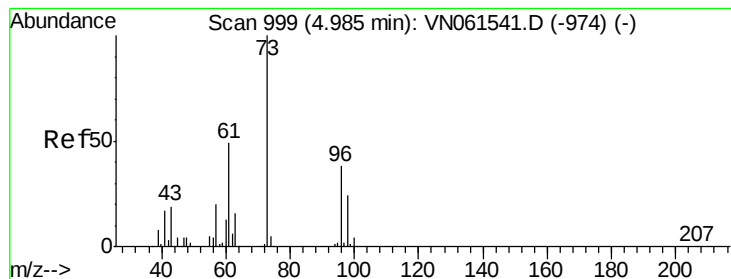


#20

Methylene Chloride
 Concen: 18.742 ug/l
 RT: 4.49 min Scan# 846
 Delta R.T. -0.01 min
 Lab File: VN061586.D
 Acq: 1 Jun 2020 11:47

Tgt Ion	Ratio	Lower	Upper
84	100		
49	101.0	85.8	128.8
51	33.5	26.2	39.2
86	59.9	52.6	78.8





#21

trans-1,2-Dichloroethene

Concen: 18.501 ug/l

RT: 4.98 min Scan# 998

Delta R.T. -0.00 min

Lab File: VN061586.D

Acq: 1 Jun 2020 11:47

Instrument :

MSVOA_N

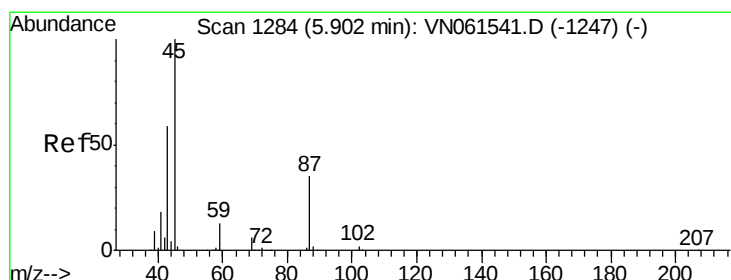
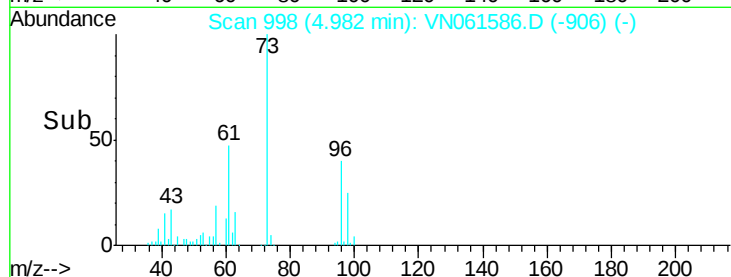
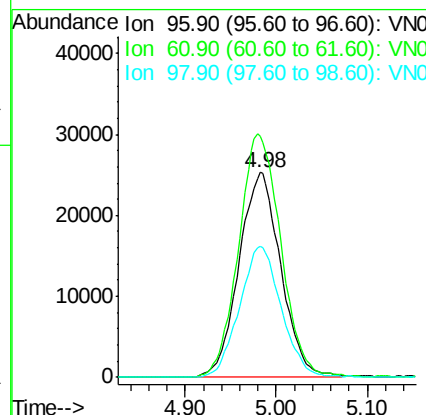
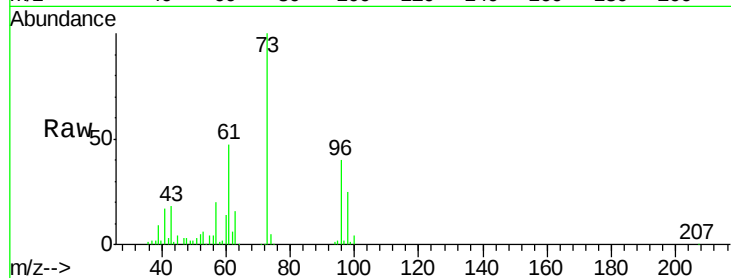
ClientSampleId :

VN0601WBS01

Tot Ion:	96	Resp:	80750
Ion	Ratio	Lower	Upper
96	100		
61	117.7	101.4	152.0
98	64.1	50.6	76.0

Manual Integrations
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6/2/2020 4:01:36 PM



#22

Diisopropyl ether

Concen: 18.528 ug/l

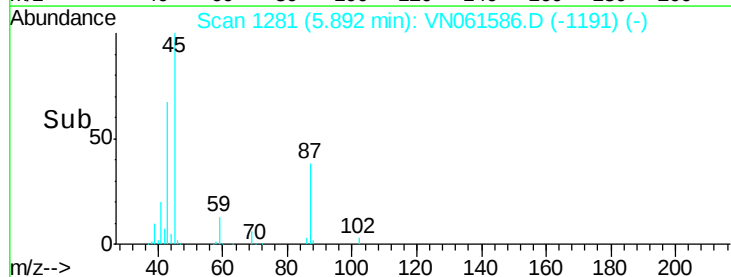
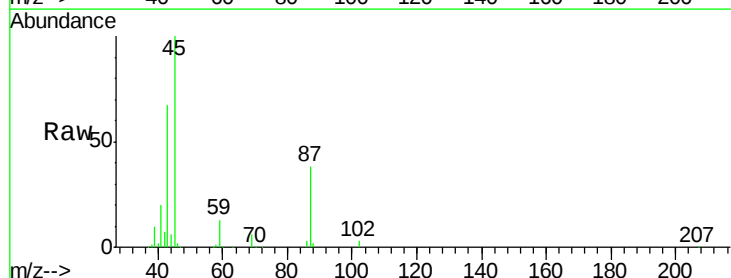
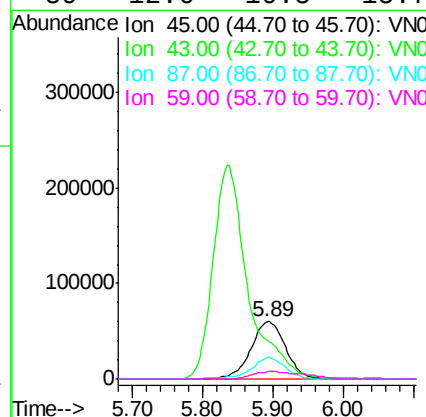
RT: 5.89 min Scan# 1281

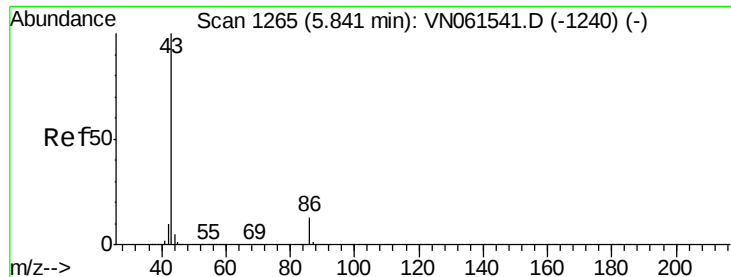
Delta R.T. -0.01 min

Lab File: VN061586.D

Acq: 1 Jun 2020 11:47

Tgt Ion:	45	Resp:	206615
Ion	Ratio	Lower	Upper
45	100		
43	64.9	47.9	71.9
87	37.7	28.4	42.6
59	12.6	10.5	15.7





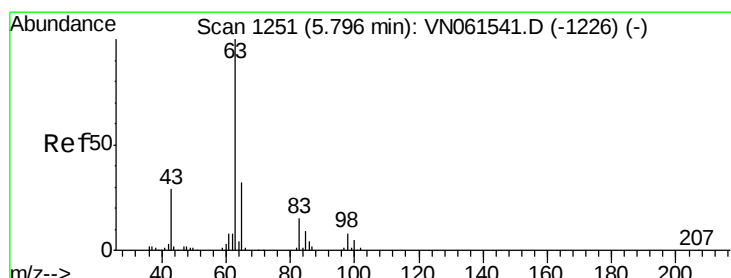
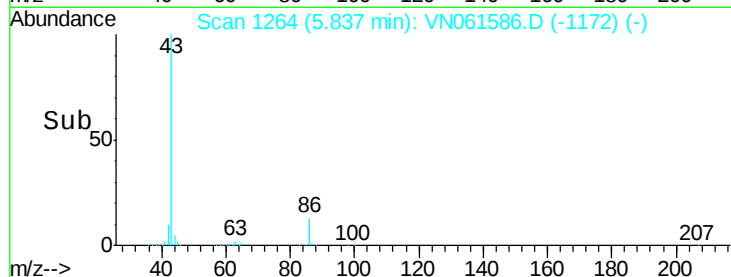
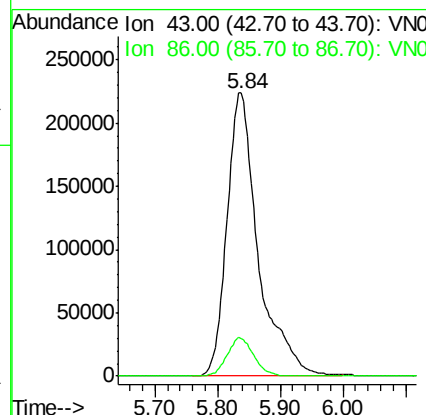
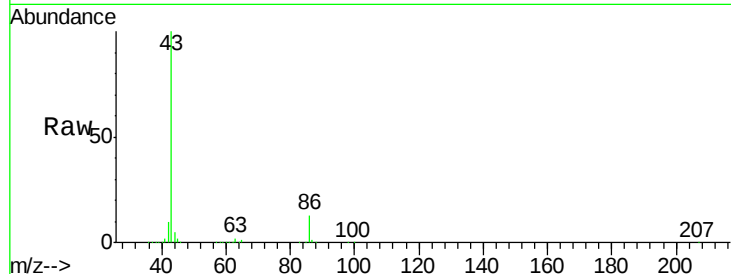
#23
 Vinyl Acetate
 Concen: 87.195 ug/l
 RT: 5.84 min Scan# 1264
 Delta R.T. -0.00 min
 Lab File: VN061586.D
 Acq: 1 Jun 2020 11:47

Instrument :
 MSVOA_N
 ClientSampled :
 VN0601WBS01

Tot Ion: 43 Resp: 775001
 Ion Ratio Lower Upper
 43 100
 86 13.3 10.6 16.0

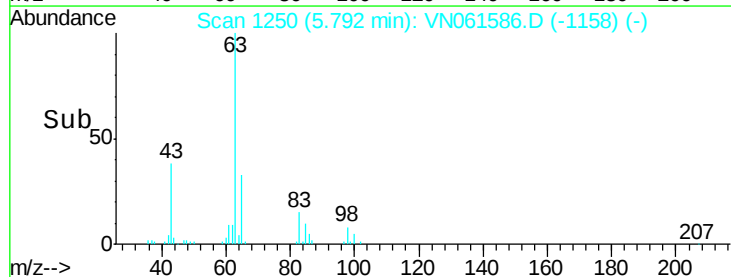
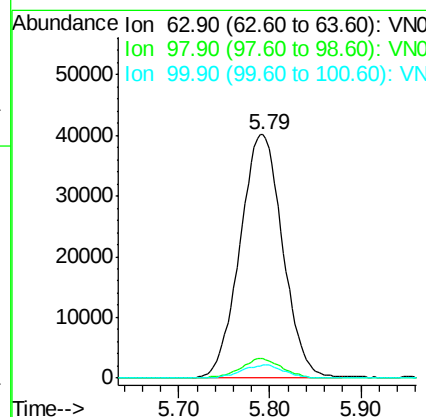
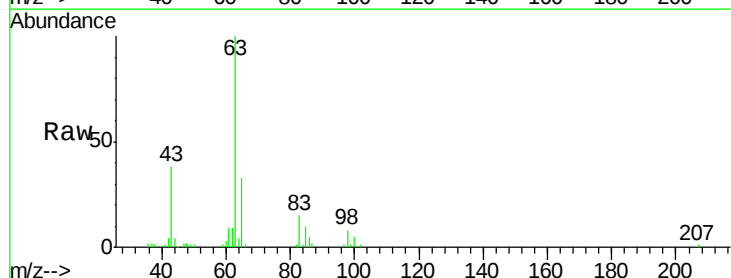
Manual Integrations
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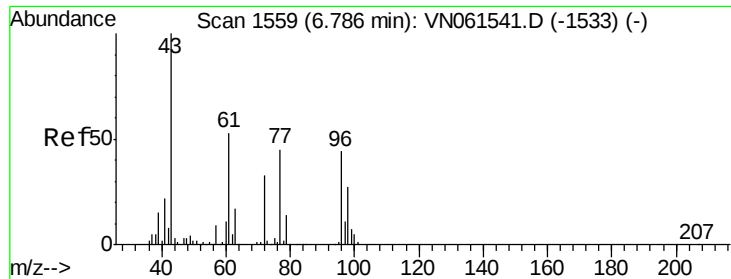
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#24
 1,1-Dichloroethane
 Concen: 18.523 ug/l
 RT: 5.79 min Scan# 1250
 Delta R.T. -0.00 min
 Lab File: VN061586.D
 Acq: 1 Jun 2020 11:47

Tgt Ion: 63 Resp: 130985
 Ion Ratio Lower Upper
 63 100
 98 7.9 3.8 11.4
 100 5.3 2.5 7.6





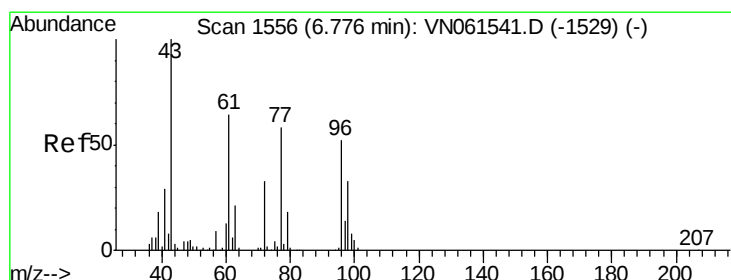
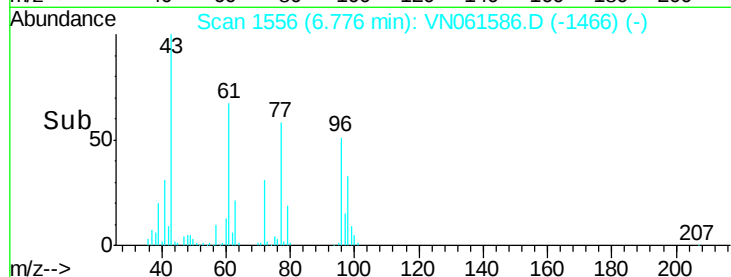
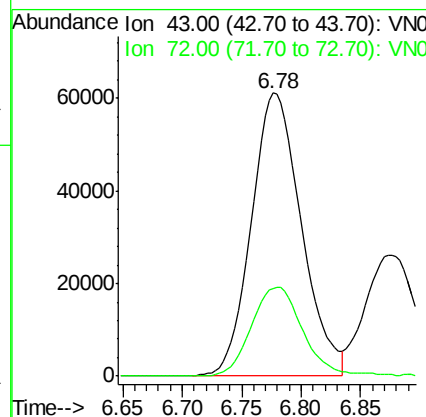
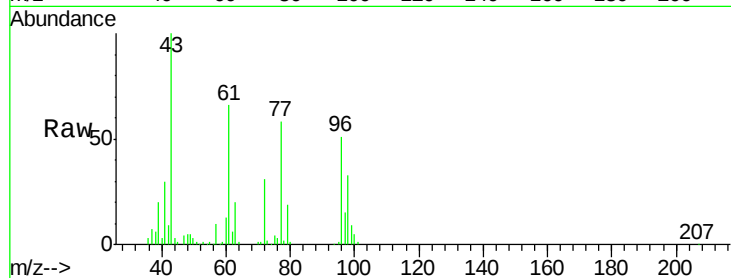
#25
2-Butanone
Concen: 82.830 ug/l
RT: 6.78 min Scan# 1556
Delta R.T. -0.01 min
Lab File: VN061586.D
Acq: 1 Jun 2020 11:47

Instrument :
MSVOA_N
ClientSampleId :
VN0601WBS01

Tot Ion: 43 Resp: 177144
Ion Ratio Lower Upper
43 100
72 31.1 26.0 39.0

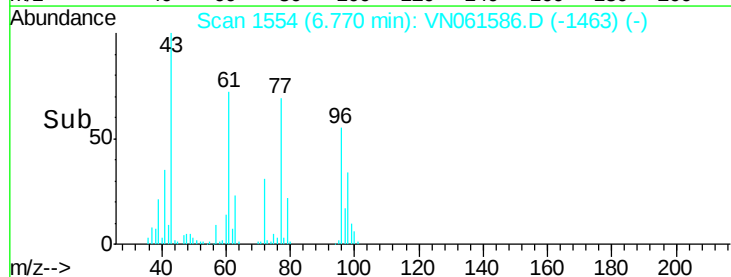
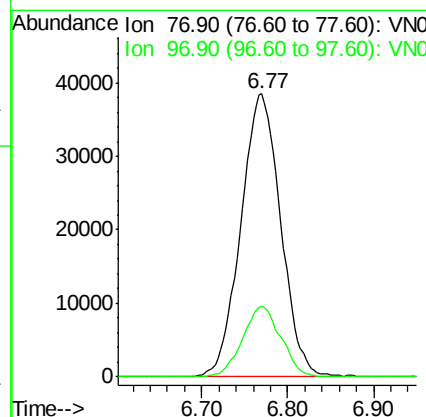
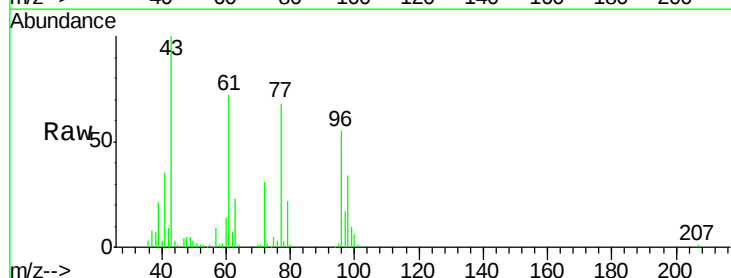
Manual Integrations
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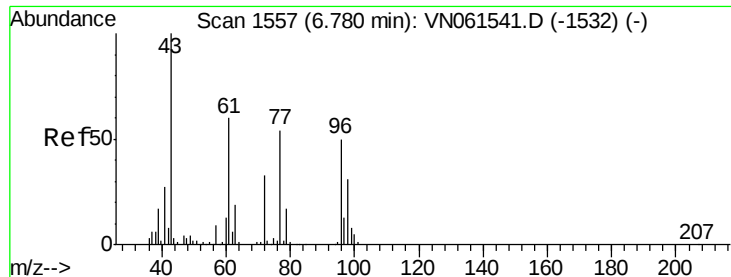
MMDadoda
6/2/2020 4:01:36 PM



#26
2,2-Dichloropropane
Concen: 19.128 ug/l
RT: 6.77 min Scan# 1554
Delta R.T. -0.01 min
Lab File: VN061586.D
Acq: 1 Jun 2020 11:47

Tgt Ion: 77 Resp: 123799
Ion Ratio Lower Upper
77 100
97 23.9 12.0 36.0





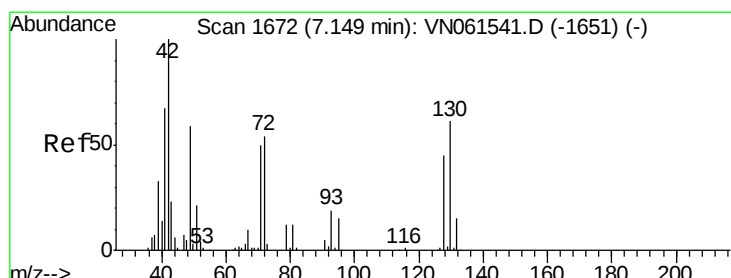
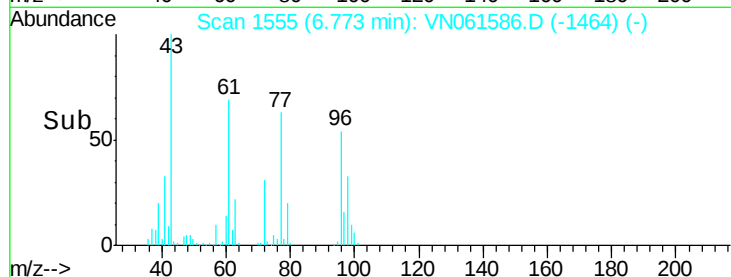
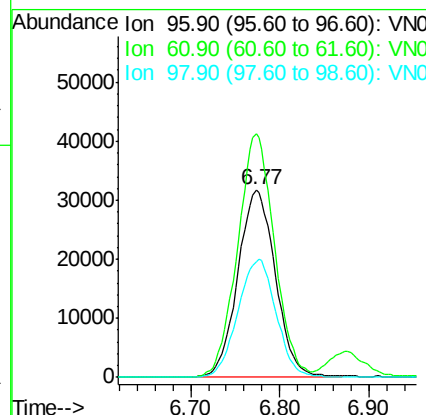
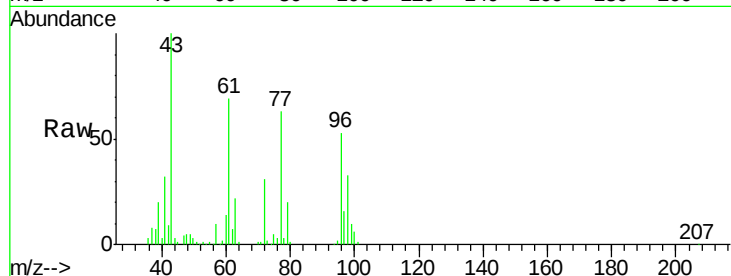
#27
 cis-1,2-Dichloroethene
 Concen: 18.836 ug/l
 RT: 6.77 min Scan# 1555
 Delta R.T. -0.01 min
 Lab File: VN061586.D
 Acq: 1 Jun 2020 11:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0601WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	127.6	0.0	252.2
98	63.9	0.0	129.2

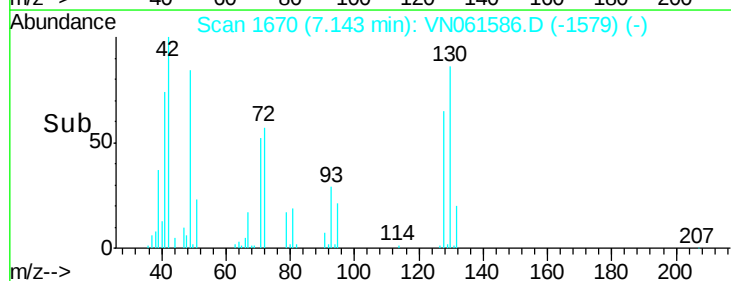
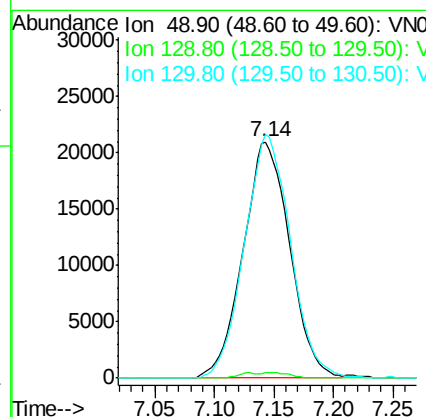
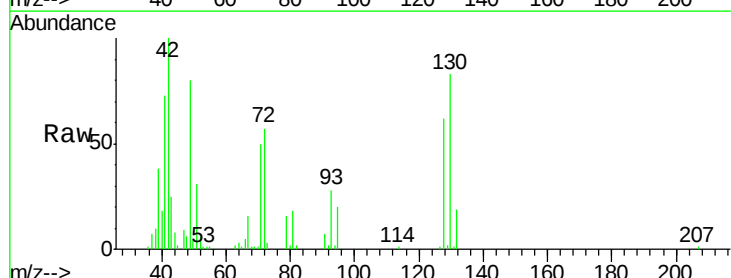
Manual Integrations
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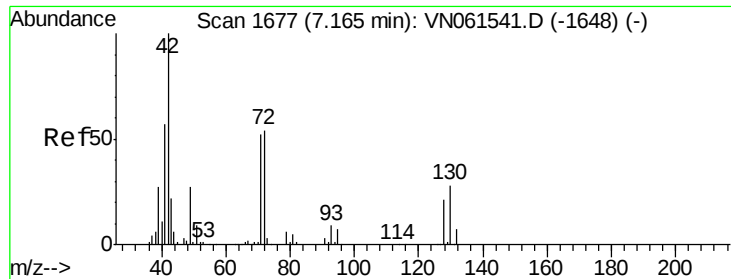
MMDadoda
 6/2/2020 4:01:36 PM



#28
 Bromochloromethane
 Concen: 20.600 ug/l
 RT: 7.14 min Scan# 1670
 Delta R.T. -0.01 min
 Lab File: VN061586.D
 Acq: 1 Jun 2020 11:47

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.9	0.0	4.8
130	102.0	78.8	118.2





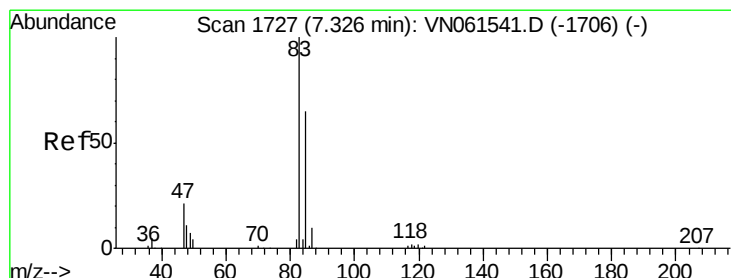
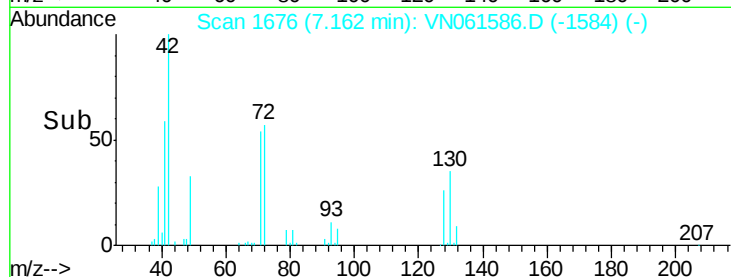
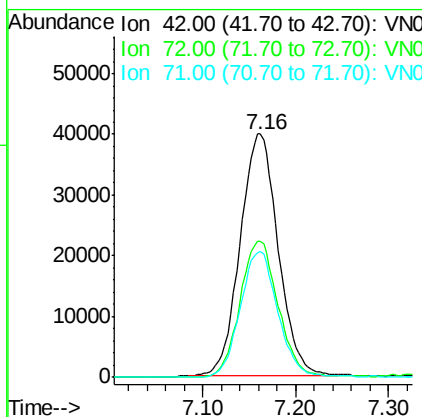
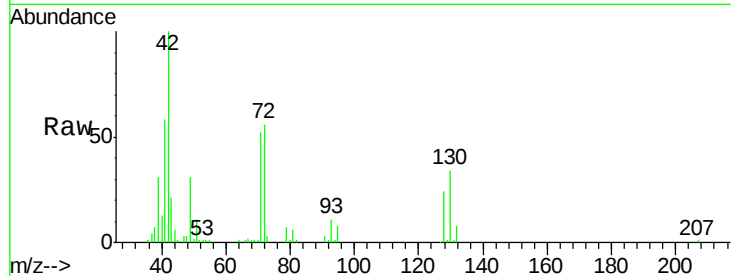
#29
Tetrahydrofuran
Concen: 80.345 ug/l
RT: 7.16 min Scan# 1676
Delta R.T. -0.00 min
Lab File: VN061586.D
Acq: 1 Jun 2020 11:47

Instrument :
MSVOA_N
ClientSampleId :
VN0601WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	56.8	43.6	65.4
71	51.3	41.2	61.8

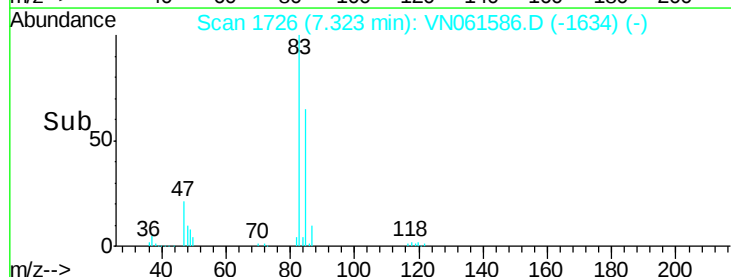
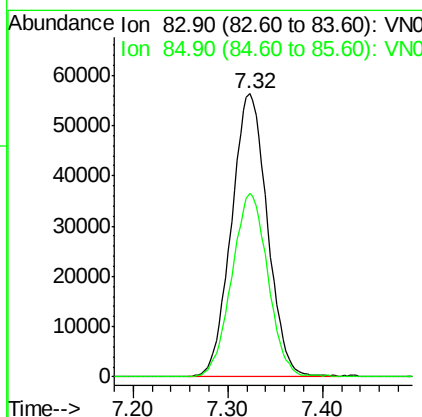
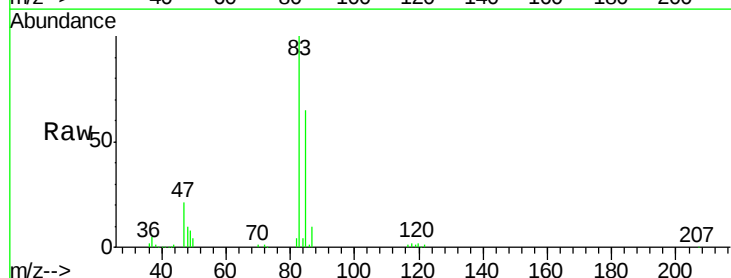
Manual Integrations
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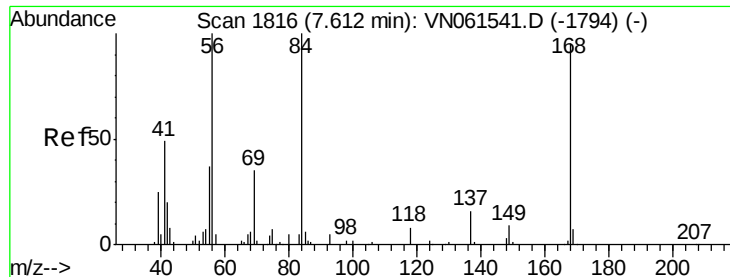
MMDadoda
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#30
Chloroform
Concen: 19.010 ug/l
RT: 7.32 min Scan# 1726
Delta R.T. -0.00 min
Lab File: VN061586.D
Acq: 1 Jun 2020 11:47

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.0	51.7	77.5





#31

Cyclohexane

Concen: 18.556 ug/l

RT: 7.61 min Scan# 1815

Delta R.T. -0.00 min

Lab File: VN061586.D

Acq: 1 Jun 2020 11:47

Instrument :

MSVOA_N

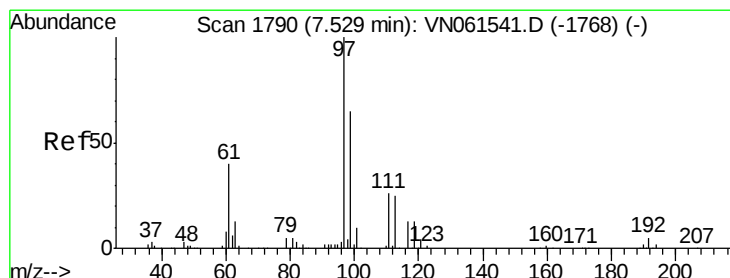
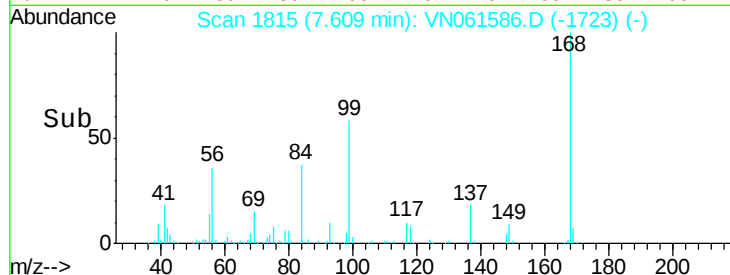
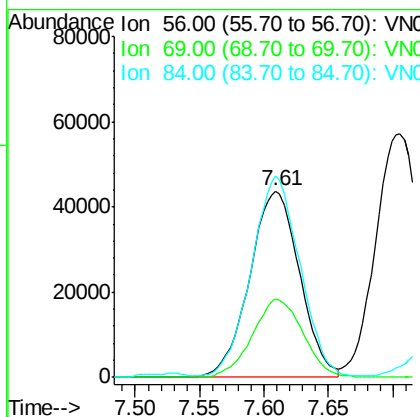
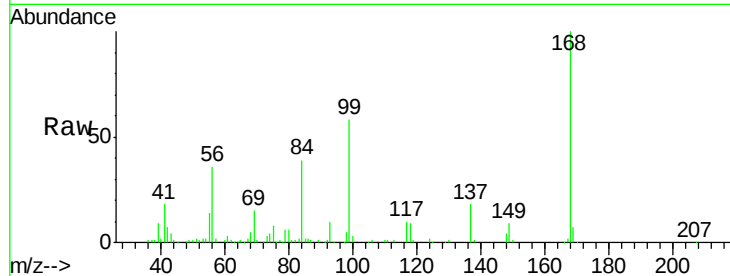
ClientSampleId :

VN0601WBS01

Tot Ion:	56	Resp:	118013
Ion Ratio		Lower	Upper
56	100		
69	41.9	27.8	41.8#
84	106.9	79.9	119.9

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 18.532 ug/l

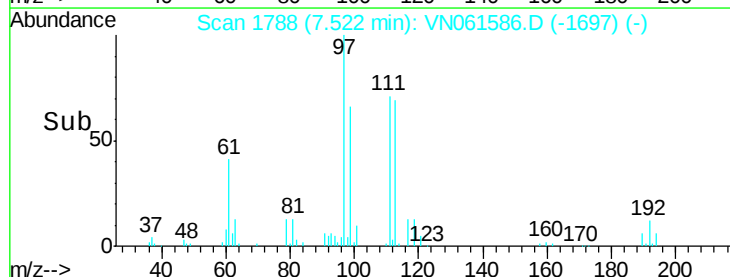
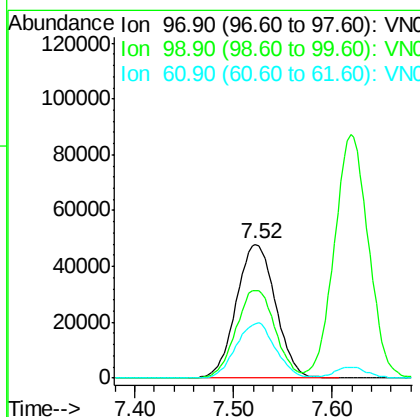
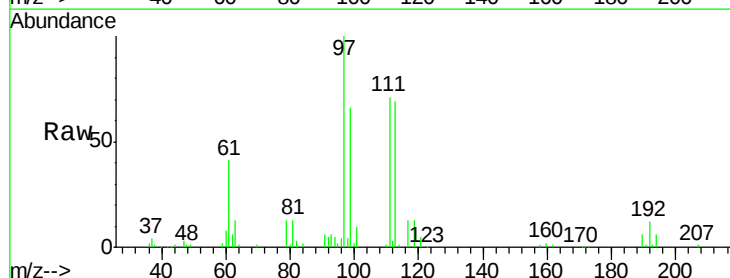
RT: 7.52 min Scan# 1788

Delta R.T. -0.01 min

Lab File: VN061586.D

Acq: 1 Jun 2020 11:47

Tgt Ion:	97	Resp:	132105
Ion Ratio		Lower	Upper
97	100		
99	65.3	51.4	77.0
61	41.0	31.4	47.0





#33

1,2-Dichloroethane-d4

Concen: 50.673 ug/l

RT: 7.98 min Scan# 1931

Delta R.T. -0.01 min

Lab File: VN061586.D

Acq: 1 Jun 2020 11:47

Instrument :

MSVOA_N

ClientSampleId :

VN0601WBS01

Tot Ion: 65 Resp: 228665

Ion Ratio Lower Upper

65 100

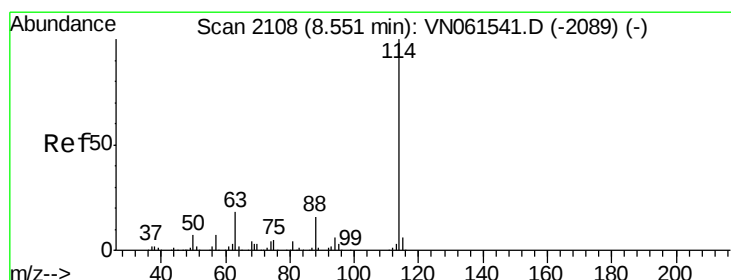
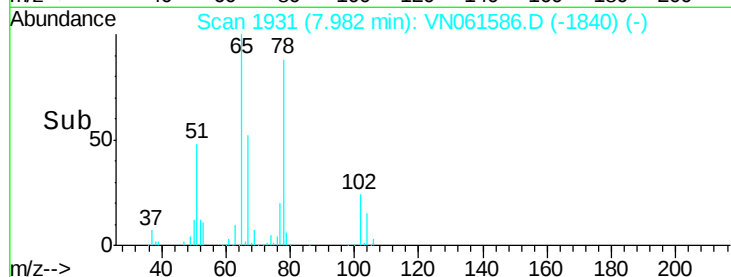
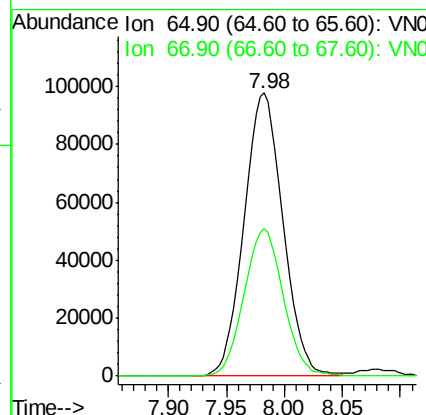
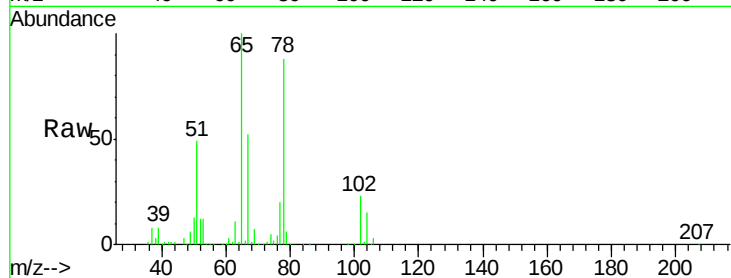
67 52.5 0.0 104.8

Manual Integrations

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.54 min Scan# 2106

Delta R.T. -0.01 min

Lab File: VN061586.D

Acq: 1 Jun 2020 11:47

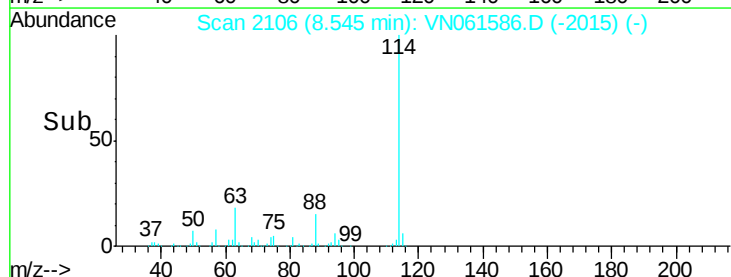
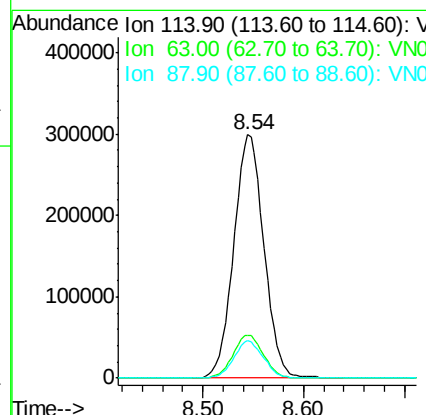
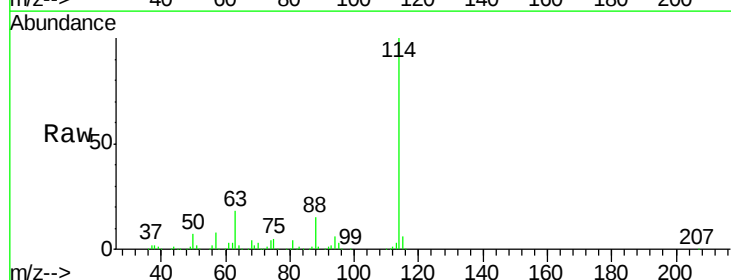
Tgt Ion: 114 Resp: 622515

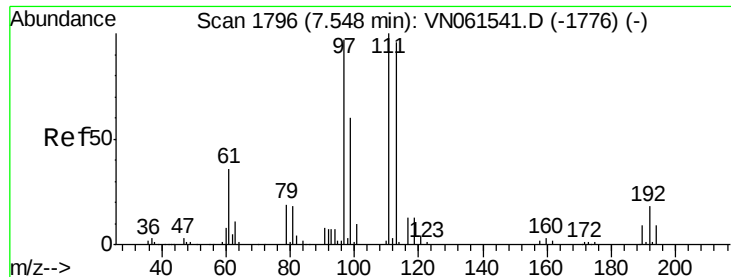
Ion Ratio Lower Upper

114 100

63 17.8 0.0 35.8

88 15.3 0.0 31.0





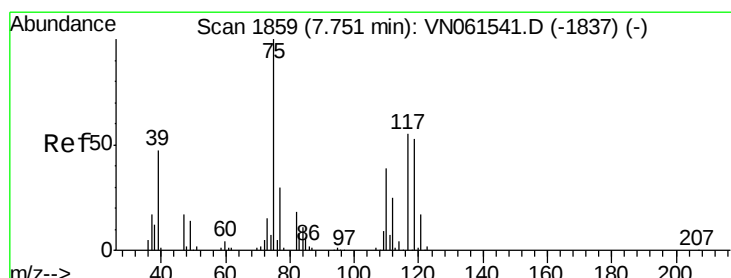
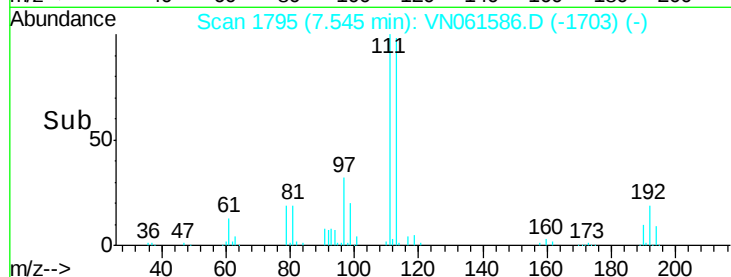
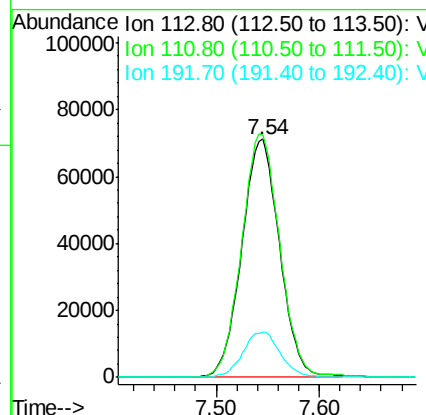
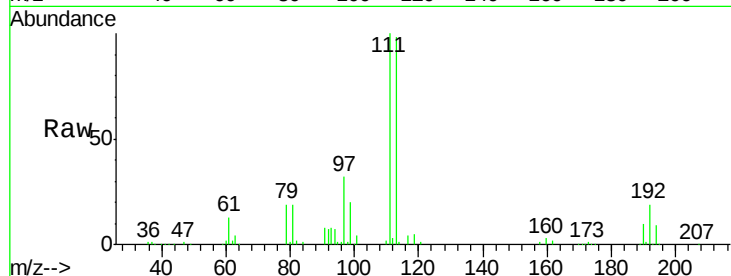
#35
 Dibromofluoromethane
 Concen: 57.431 ug/l
 RT: 7.54 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VN061586.D
 Acq: 1 Jun 2020 11:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0601WBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	181363		
111	102.7	83.4	125.0	
192	18.8	15.4	23.2	

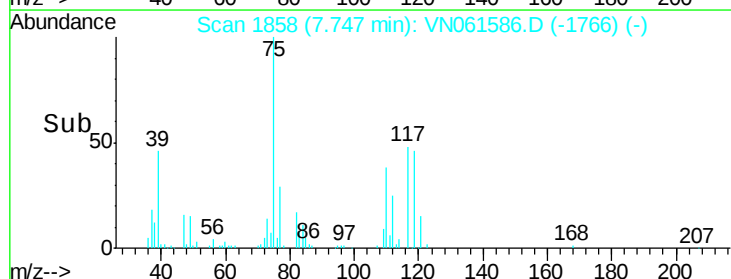
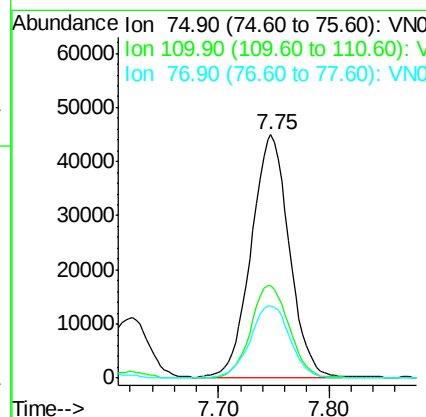
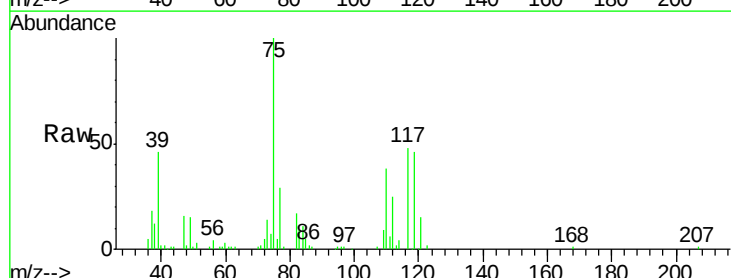
Manual Integrations
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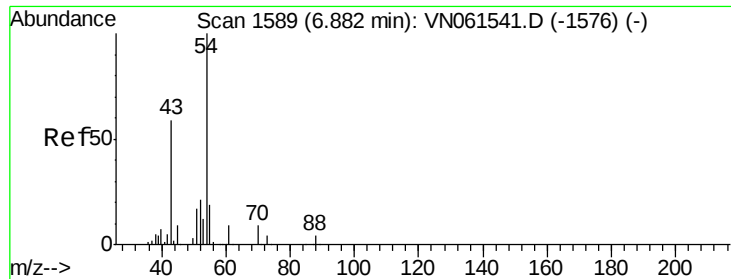
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#36
 1,1-Dichloropropene
 Concen: 19.407 ug/l
 RT: 7.75 min Scan# 1858
 Delta R.T. -0.00 min
 Lab File: VN061586.D
 Acq: 1 Jun 2020 11:47

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	106948		
110	38.7	19.5	58.5	
77	31.4	24.7	37.1	





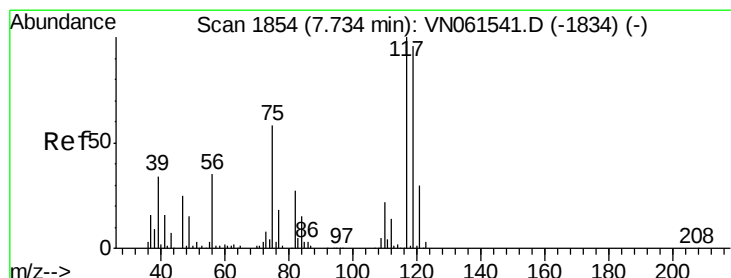
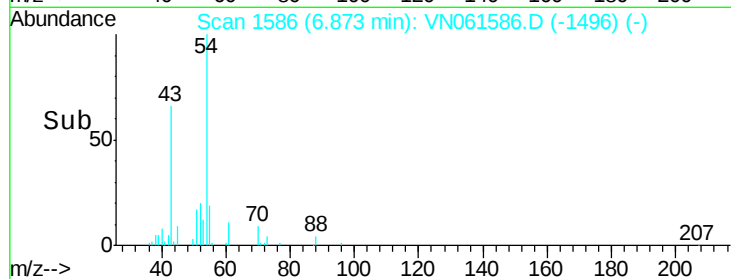
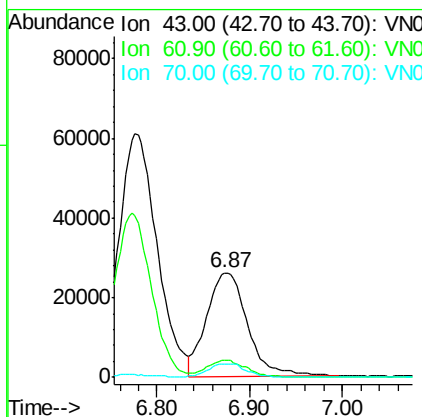
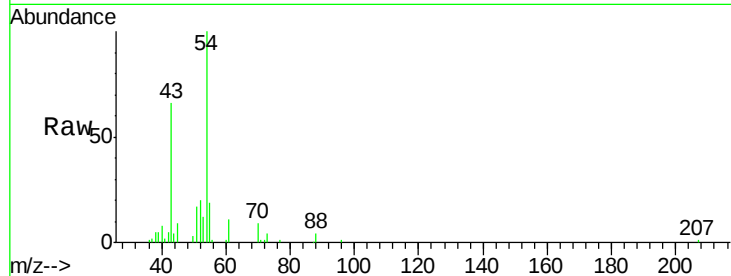
#37
Ethyl Acetate
Concen: 17.929 ug/l
RT: 6.87 min Scan# 1586
Delta R.T. -0.01 min
Lab File: VN061586.D
Acq: 1 Jun 2020 11:47

Instrument :
MSVOA_N
ClientSampleId :
VN0601WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.9	12.2	18.4
70	12.4	9.4	14.2

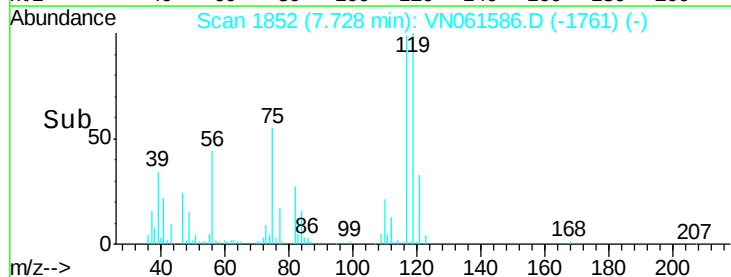
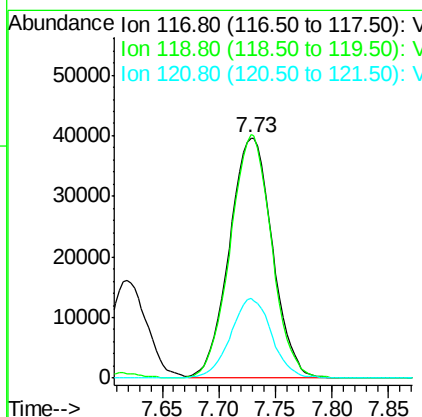
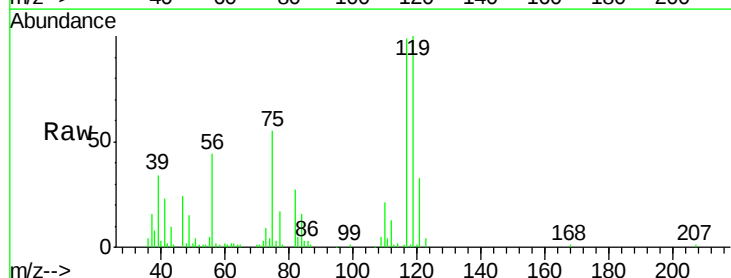
Manual Integrations
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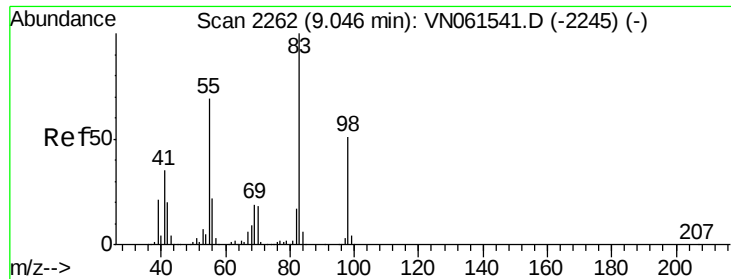
MMDadoda
6/2/2020 4:01:36 PM



#38
Carbon Tetrachloride
Concen: 19.711 ug/l
RT: 7.73 min Scan# 1852
Delta R.T. -0.01 min
Lab File: VN061586.D
Acq: 1 Jun 2020 11:47

Tgt Ion	Ratio	Lower	Upper
117	100		
119	101.3	76.5	114.7
121	32.9	24.1	36.1





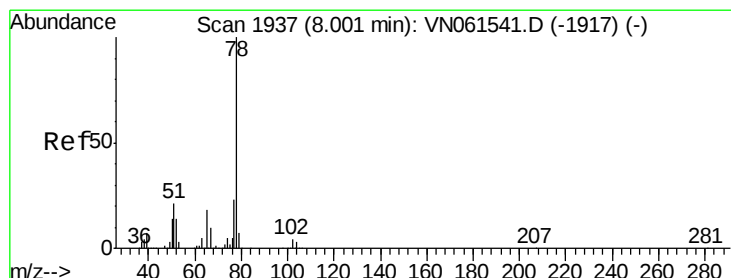
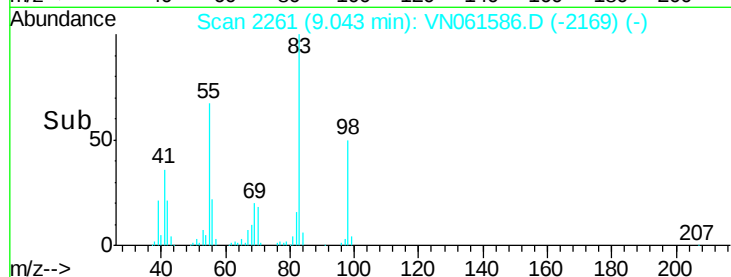
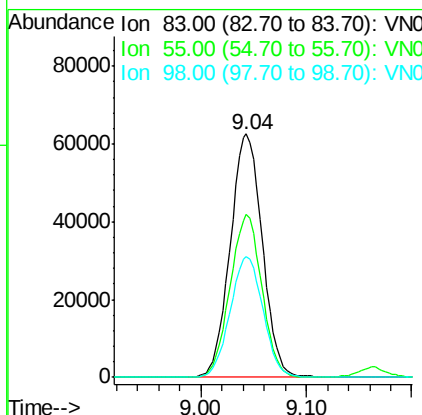
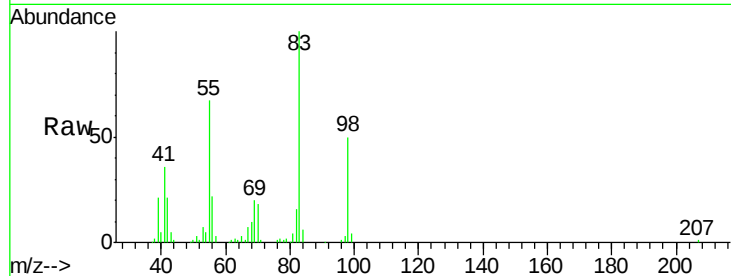
#39
Methvlcvclohexane
Concen: 19.395 ug/l
RT: 9.04 min Scan# 2261
Delta R.T. -0.00 min
Lab File: VN061586.D
Acq: 1 Jun 2020 11:47

Instrument :
MSVOA_N
ClientSampleId :
VN0601WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	66.8	54.9	82.3
98	49.8	41.0	61.4

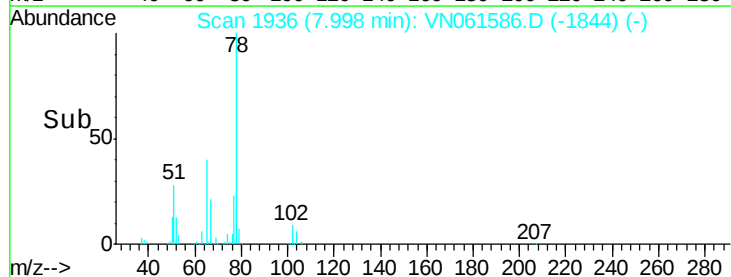
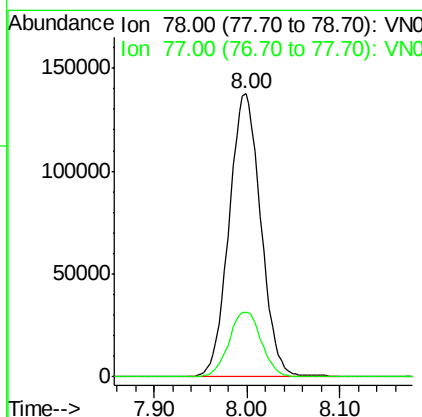
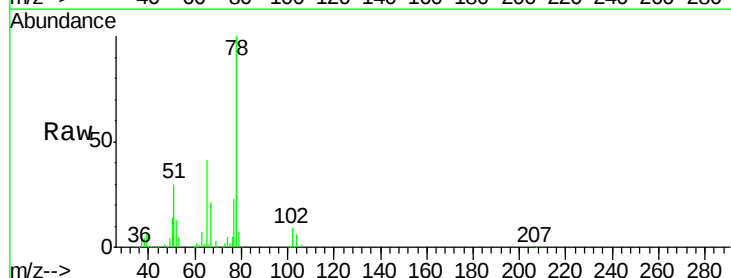
Manual Integrations
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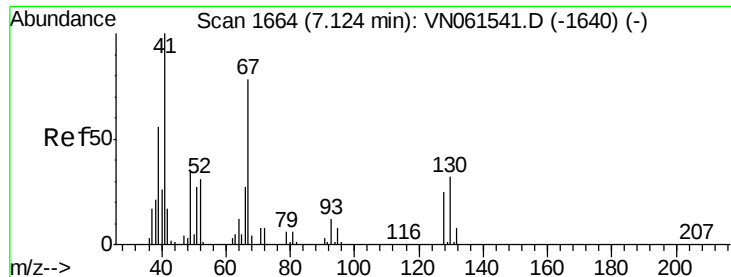
MMDadoda
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#40
Benzene
Concen: 19.215 ug/l
RT: 8.00 min Scan# 1936
Delta R.T. -0.00 min
Lab File: VN061586.D
Acq: 1 Jun 2020 11:47

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.9	18.6	28.0





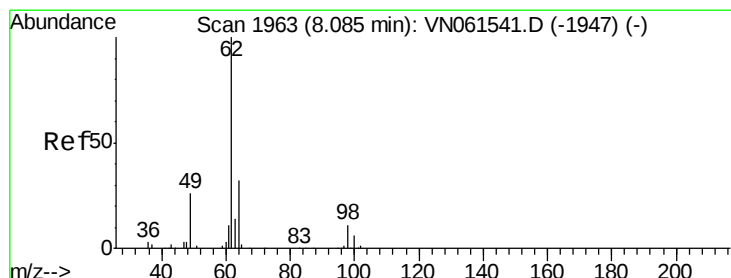
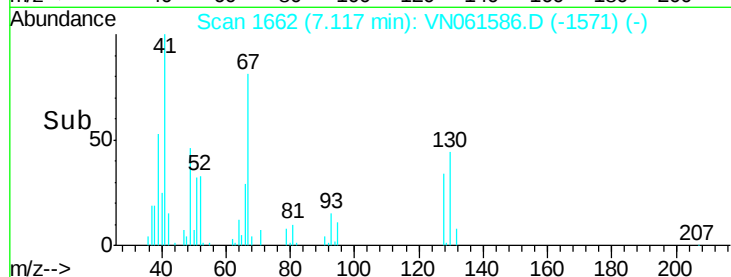
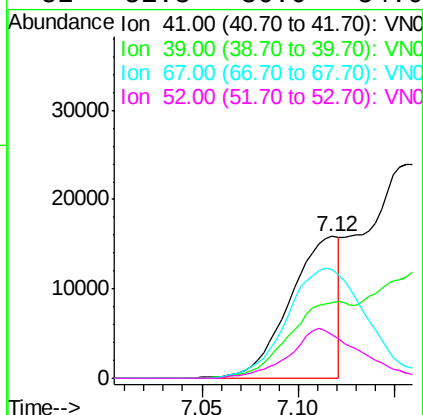
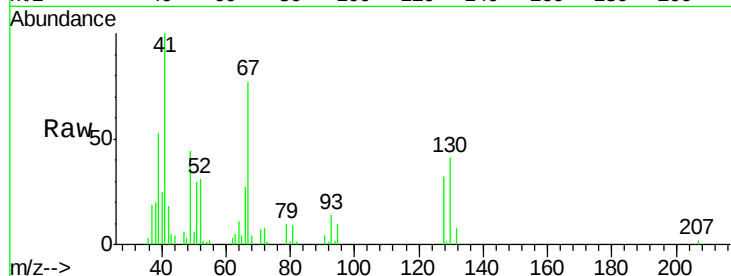
#41
Methacrylonitrile
Concen: 13.716 ug/l
RT: 7.12 min Scan# 1662
Delta R.T. -0.01 min
Lab File: VN061586.D
Acq: 1 Jun 2020 11:47

Instrument :
MSVOA_N
ClientSampled :
VN0601WBS01

Tot Ion	41	Resp	27893
Ion Ratio	Lower	Upper	
41	100		
39	72.6	53.8	80.6
67	128.2	91.1	136.7
52	51.3	36.0	54.0

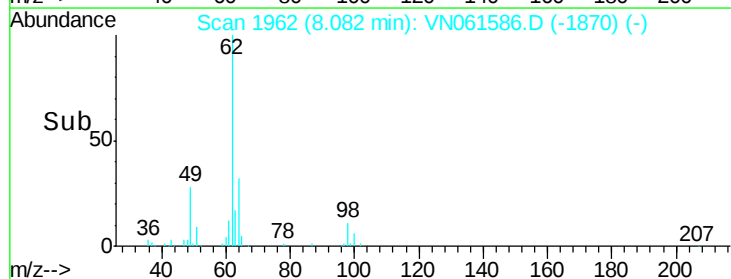
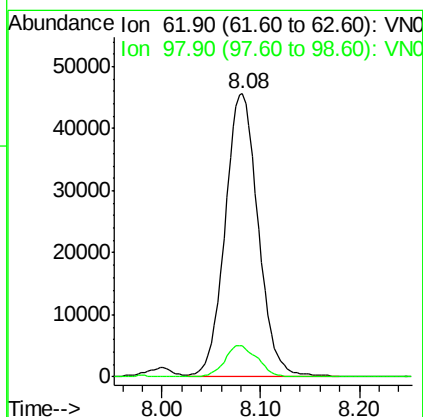
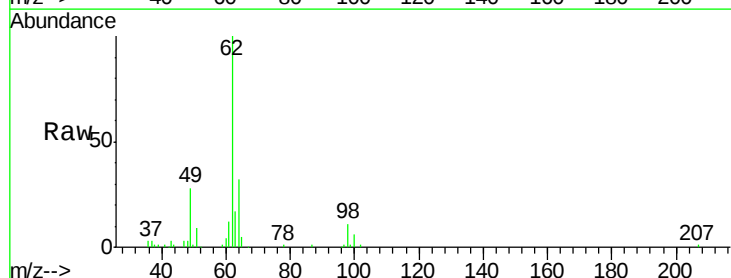
Manual Integrations
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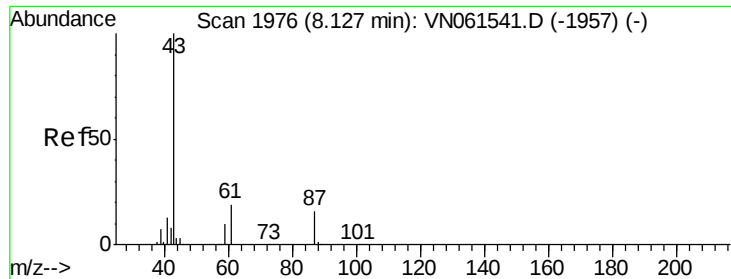
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#42
1,2-Dichloroethane
Concen: 18.812 ug/l
RT: 8.08 min Scan# 1962
Delta R.T. -0.00 min
Lab File: VN061586.D
Acq: 1 Jun 2020 11:47

Tgt Ion	62	Resp	107087
Ion Ratio	Lower	Upper	
62	100		
98	10.8	0.0	21.4





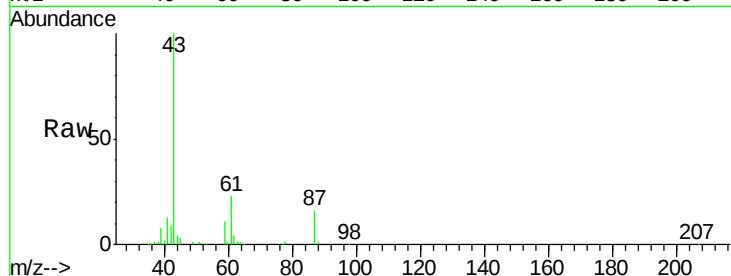
#43
Isopropyl Acetate
Concen: 17.074 ug/l
RT: 8.12 min Scan# 1974
Delta R.T. -0.01 min
Lab File: VN061586.D
Acq: 1 Jun 2020 11:47

Instrument :
MSVOA_N
ClientSampleId :
VN0601WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	30.6	23.6	35.4
87	16.5	13.0	19.6

Manual Integrations
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6/2/2020 4:01:36 PM

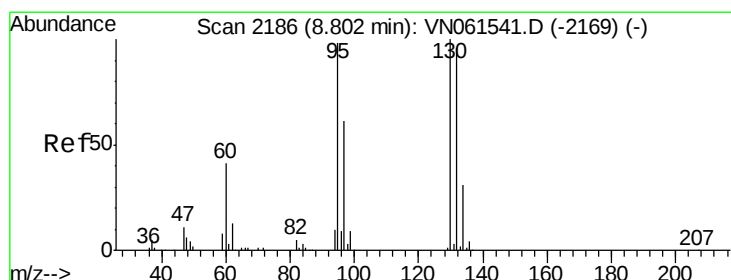
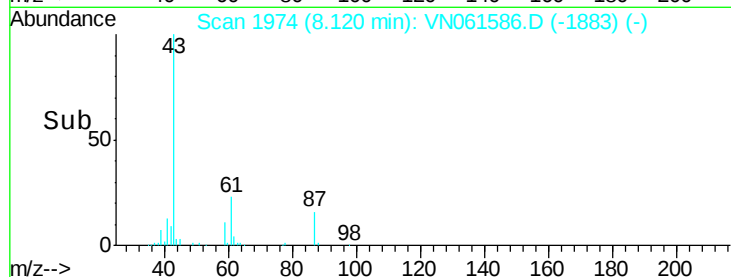
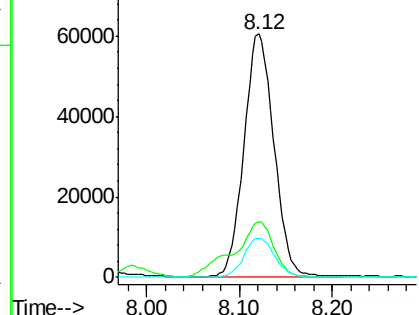


Abundance

Ion 43.00 (42.70 to 43.70): VN061541.D (-1957) (-)

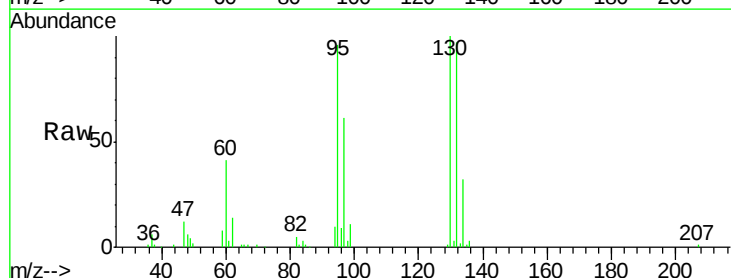
Ion 61.00 (60.70 to 61.70): VN061541.D (-1957) (-)

Ion 87.00 (86.70 to 87.70): VN061541.D (-1957) (-)



#44
Trichloroethene
Concen: 19.155 ug/l
RT: 8.80 min Scan# 2184
Delta R.T. -0.01 min
Lab File: VN061586.D
Acq: 1 Jun 2020 11:47

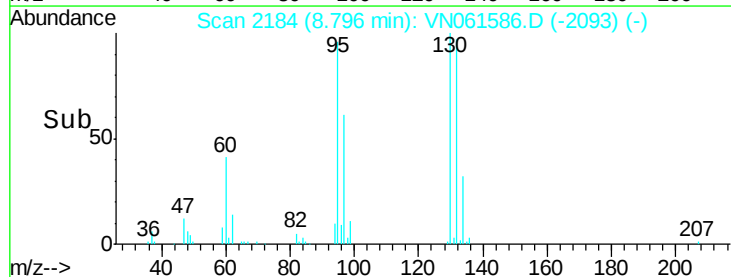
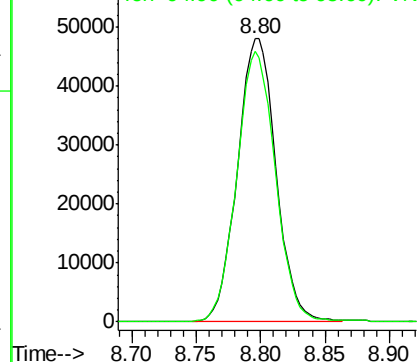
Tgt Ion	Ratio	Lower	Upper
130	100		
95	95.6	0.0	196.6



Abundance

Ion 129.80 (129.50 to 130.50): VN061541.D (-2169) (-)

Ion 94.90 (94.60 to 95.60): VN061541.D (-2169) (-)





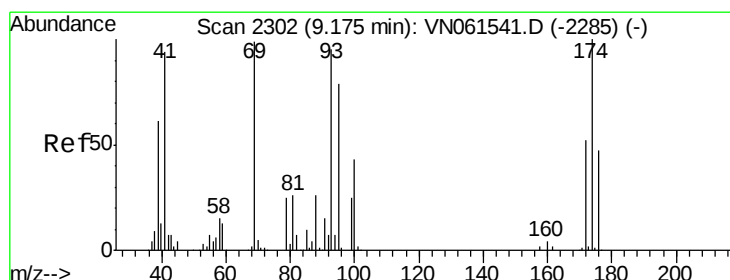
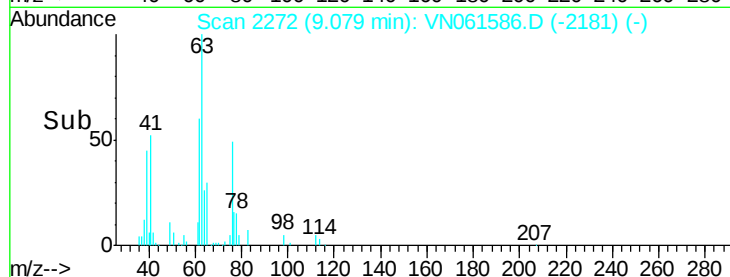
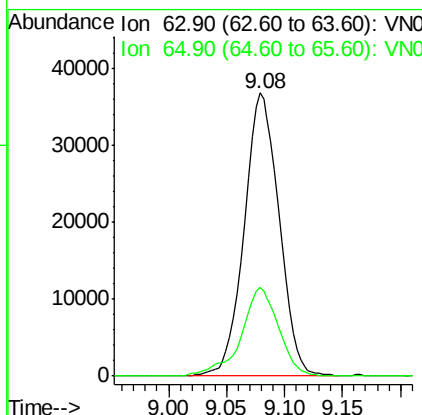
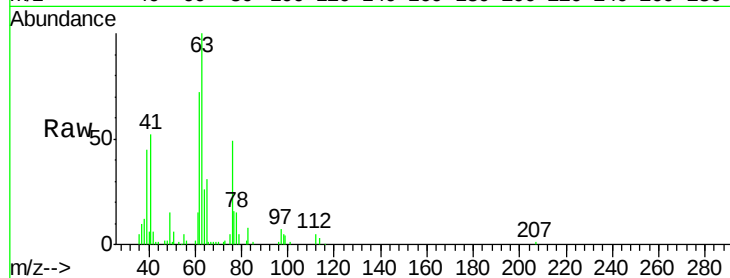
#45
 1,2-Dichloropropane
 Concen: 19.146 ug/l
 RT: 9.08 min Scan# 2272
 Delta R.T. -0.01 min
 Lab File: VN061586.D
 Acq: 1 Jun 2020 11:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0601WBS01

Tot Ion: 63 Resp: 77304
 Ion Ratio Lower Upper
 63 100
 65 31.2 24.7 37.1

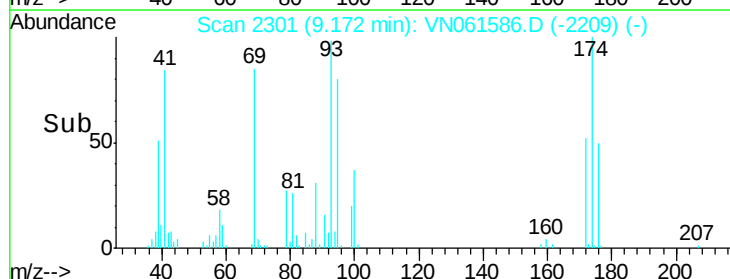
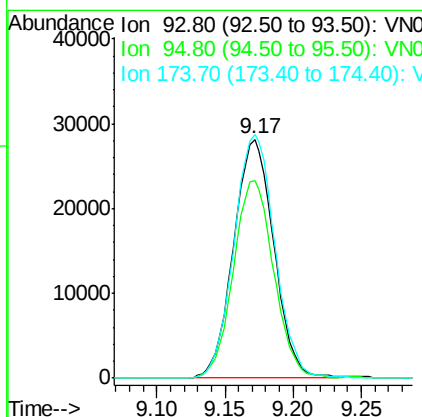
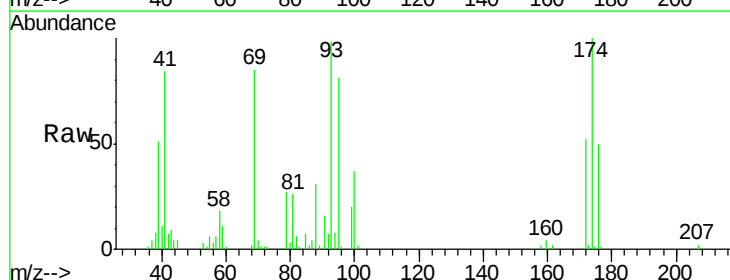
Manual Integrations
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#46
 Dibromomethane
 Concen: 18.696 ug/l
 RT: 9.17 min Scan# 2301
 Delta R.T. -0.00 min
 Lab File: VN061586.D
 Acq: 1 Jun 2020 11:47

Tgt Ion: 93 Resp: 57895
 Ion Ratio Lower Upper
 93 100
 95 82.6 66.0 99.0
 174 103.2 82.5 123.7





#47

Bromodichloromethane

Concen: 19.196 ug/l

RT: 9.37 min Scan# 2362

Delta R.T. -0.00 min

Lab File: VN061586.D

Acq: 1 Jun 2020 11:47

Instrument :

MSVOA_N

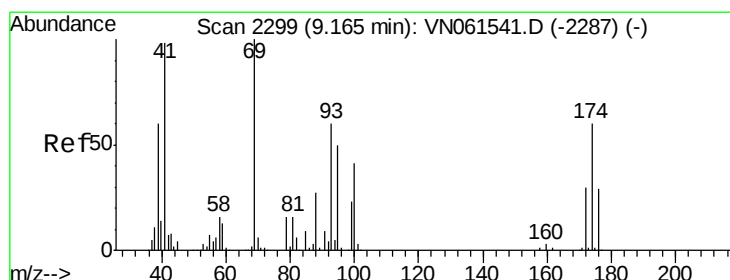
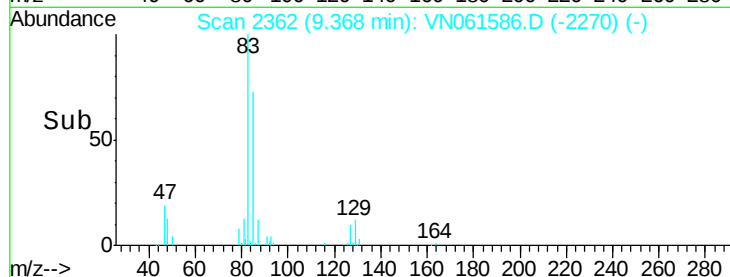
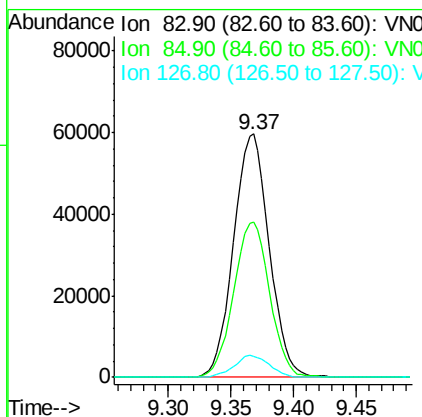
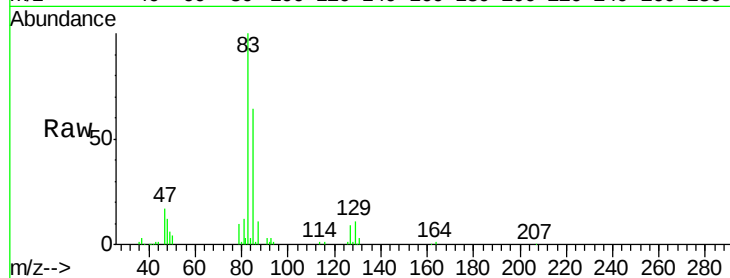
ClientSampleId :

VN0601WBS01

Tot Ion:	83	Resp:	117767
Ion Ratio	Lower	Upper	
83	100		
85	63.8	51.1	76.7
127	8.7	7.2	10.8

Manual Integrations
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#48

Methyl methacrylate

Concen: 15.838 ug/l

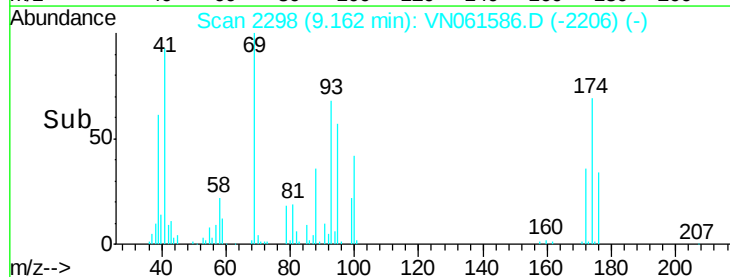
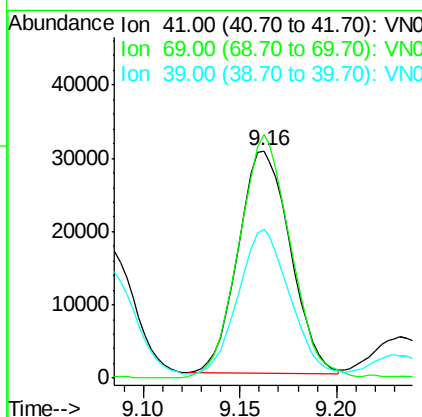
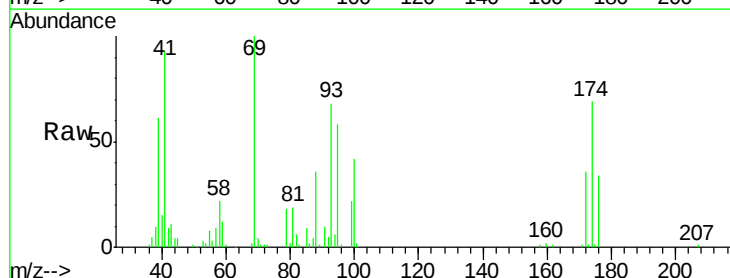
RT: 9.16 min Scan# 2298

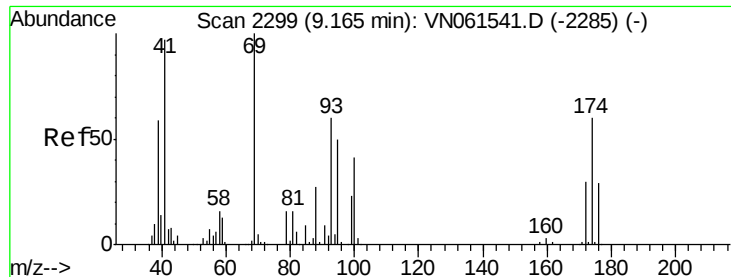
Delta R.T. -0.00 min

Lab File: VN061586.D

Acq: 1 Jun 2020 11:47

Tgt Ion:	41	Resp:	56905
Ion Ratio	Lower	Upper	
41	100		
69	108.4	83.9	125.9
39	68.3	52.1	78.1





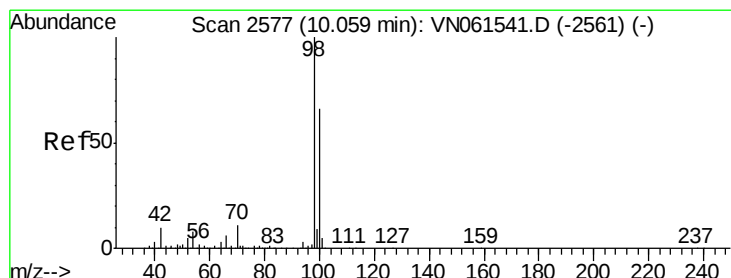
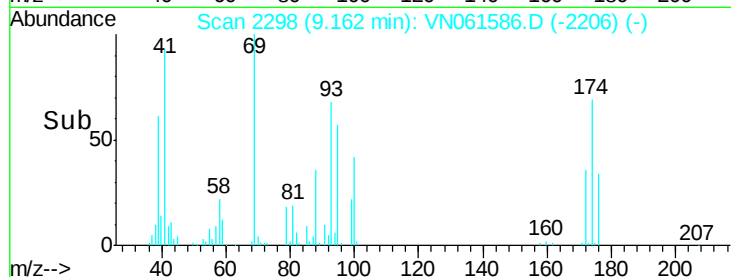
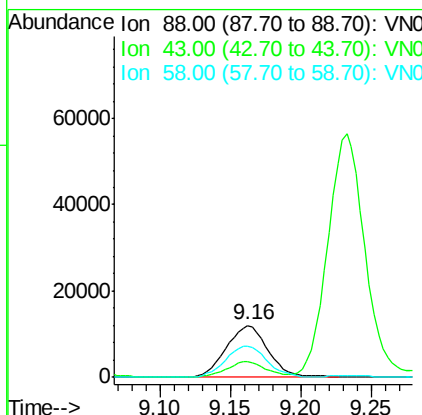
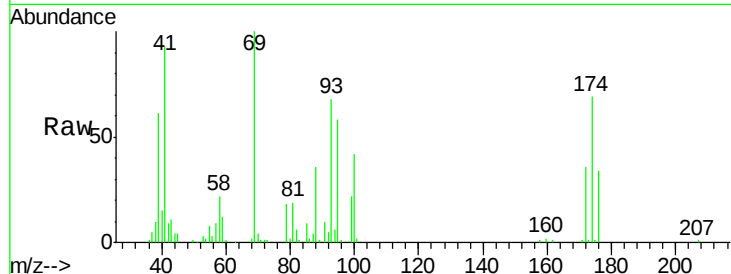
#49
 1,4-Dioxane
 Concen: 444.669 ug/l
 RT: 9.16 min Scan# 2298
 Delta R.T. -0.00 min
 Lab File: VN061586.D
 Acq: 1 Jun 2020 11:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0601WBS01

Tot Ion	88	Resp	24750
Ion Ratio	Lower	Upper	
88	100		
43	29.7	23.1	34.7
58	59.3	48.3	72.5

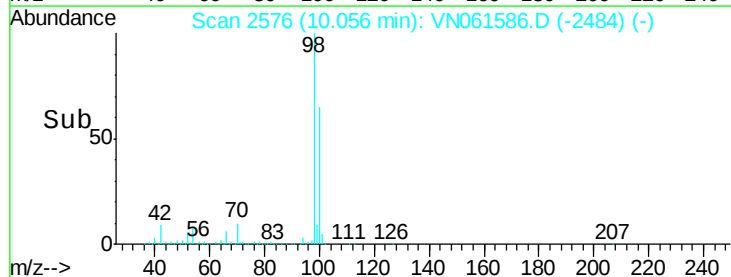
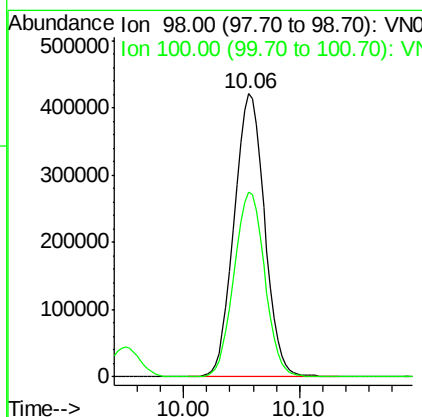
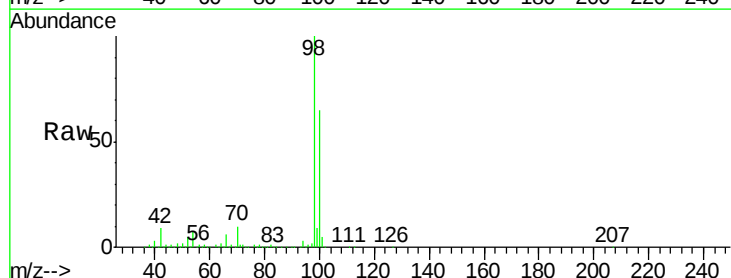
Manual Integrations
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#50
 Toluene-d8
 Concen: 52.339 ug/l
 RT: 10.06 min Scan# 2576
 Delta R.T. -0.00 min
 Lab File: VN061586.D
 Acq: 1 Jun 2020 11:47

Tgt Ion	98	Resp	765935
Ion Ratio	Lower	Upper	
98	100		
100	65.6	52.8	79.2





#51

4-Methyl-2-Pentanone

Concen: 84.762 ug/l

RT: 9.95 min Scan# 2543

Delta R.T. -0.00 min

Lab File: VN061586.D

Acq: 1 Jun 2020 11:47

Instrument :

MSVOA_N

ClientSampleId :

VN0601WBS01

Tot Ion: 43 Resp: 381437

Ion Ratio Lower Upper

43 100

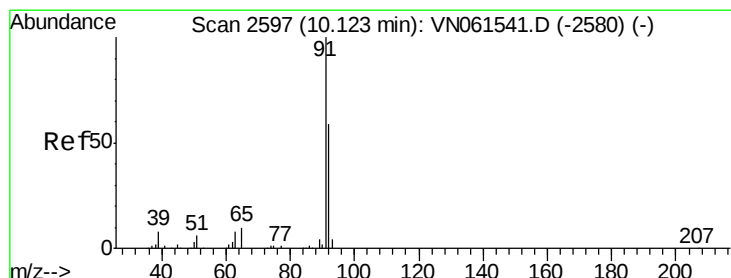
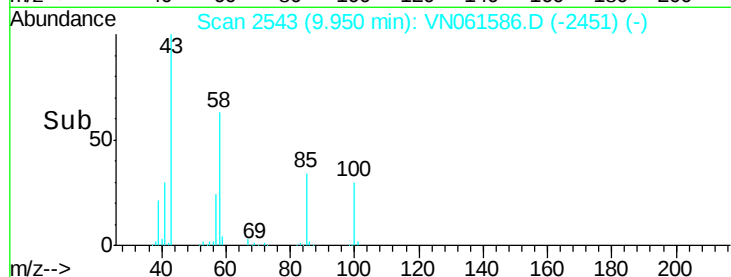
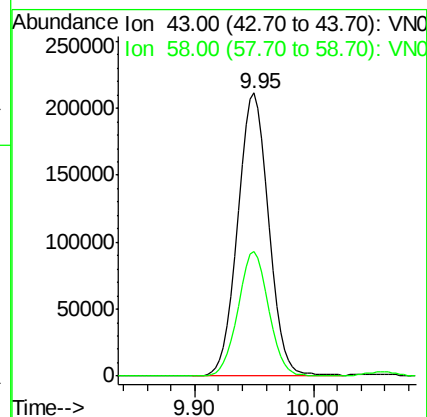
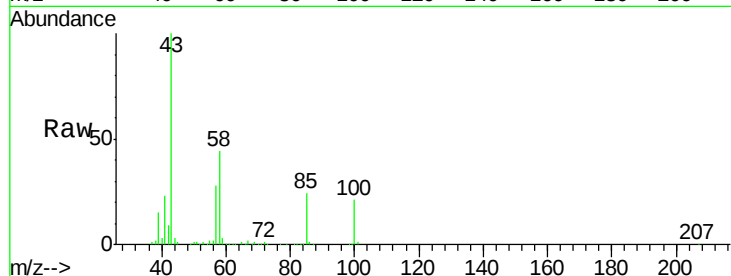
58 43.7 35.0 52.6

Manual Integrations

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#52

Toluene

Concen: 19.387 ug/l

RT: 10.12 min Scan# 2596

Delta R.T. -0.00 min

Lab File: VN061586.D

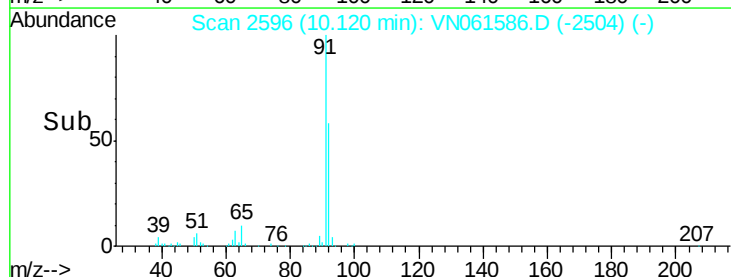
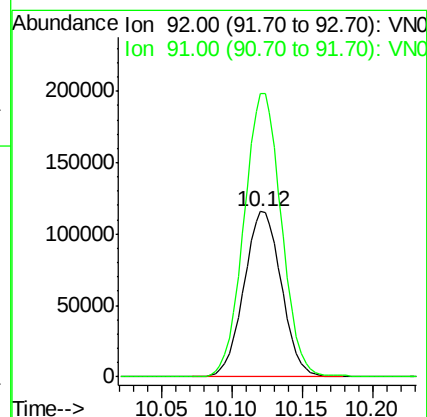
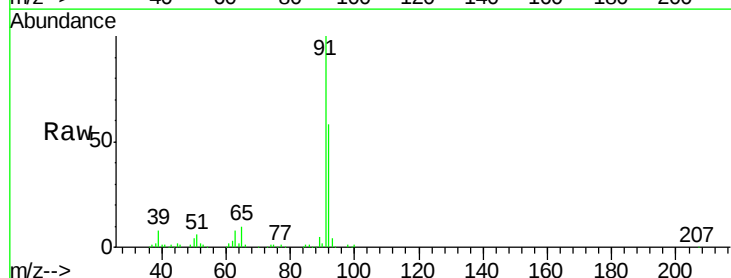
Acq: 1 Jun 2020 11:47

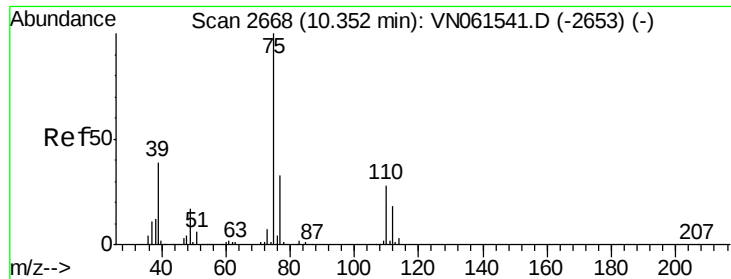
Tgt Ion: 92 Resp: 215162

Ion Ratio Lower Upper

92 100

91 172.4 136.4 204.6





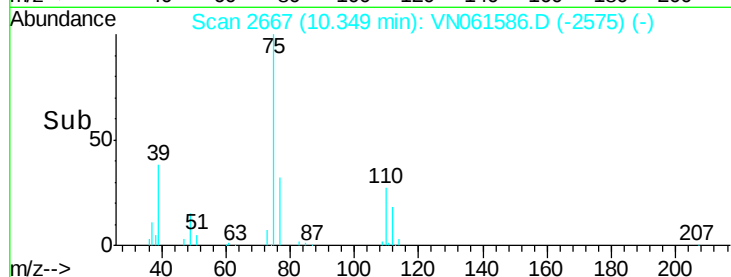
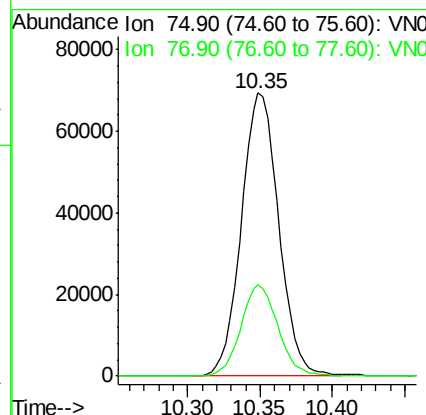
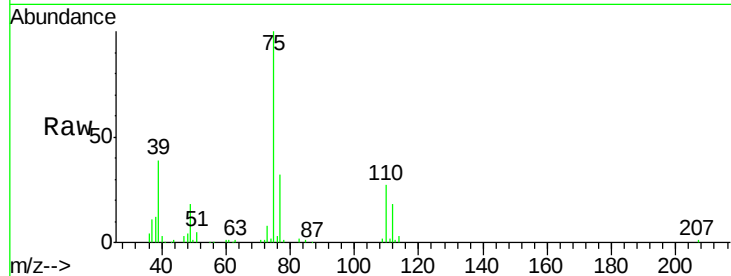
#53
 t-1,3-Dichloropropene
 Concen: 18.803 ug/l
 RT: 10.35 min Scan# 2667
 Delta R.T. -0.00 min
 Lab File: VN061586.D
 Acq: 1 Jun 2020 11:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0601WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.4	26.2	39.4

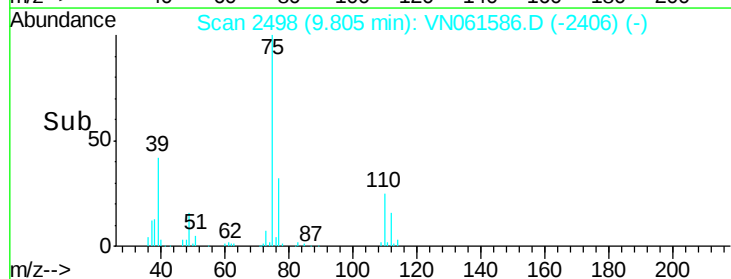
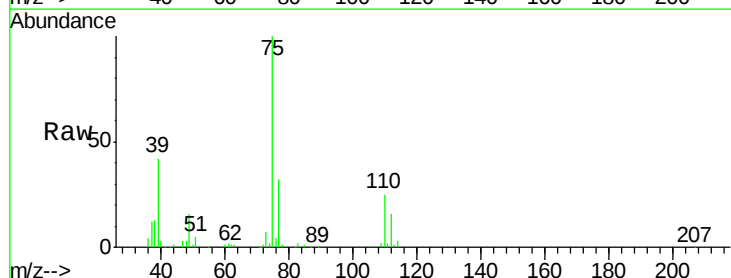
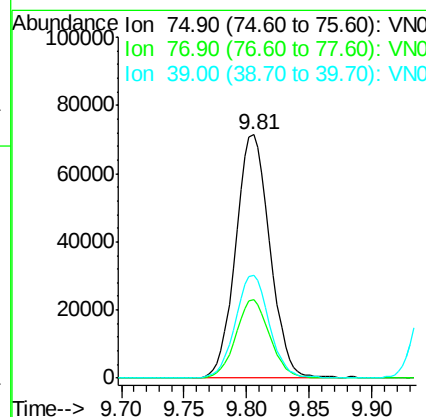
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#54
 cis-1,3-Dichloropropene
 Concen: 19.074 ug/l
 RT: 9.81 min Scan# 2498
 Delta R.T. -0.00 min
 Lab File: VN061586.D
 Acq: 1 Jun 2020 11:47

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.2	25.4	38.2
39	42.0	33.8	50.6





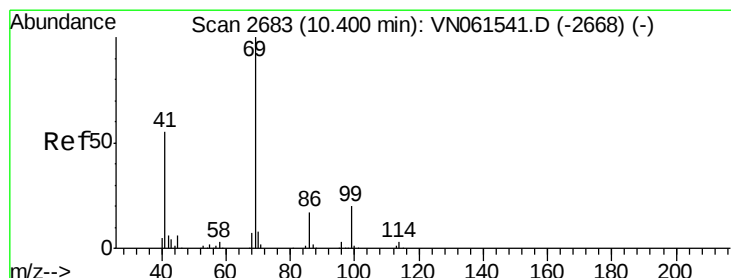
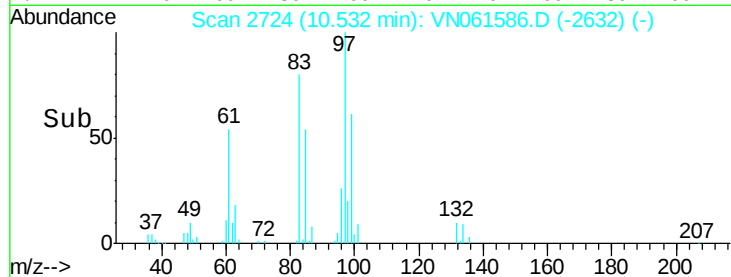
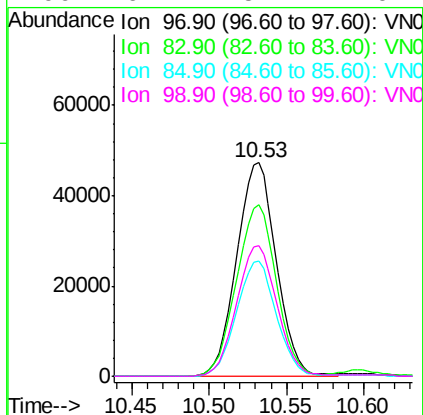
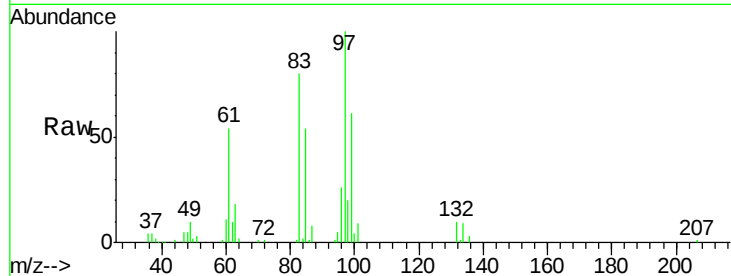
#55
 1,1,2-Trichloroethane
 Concen: 19.048 ug/l
 RT: 10.53 min Scan# 2724
 Delta R.T. -0.00 min
 Lab File: VN061586.D
 Acq: 1 Jun 2020 11:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0601WBS01

Tot Ion:	97	Resp:	84221
Ion	Ratio	Lower	Upper
97	100		
83	80.0	68.1	102.1
85	53.8	44.1	66.1
99	61.2	51.1	76.7

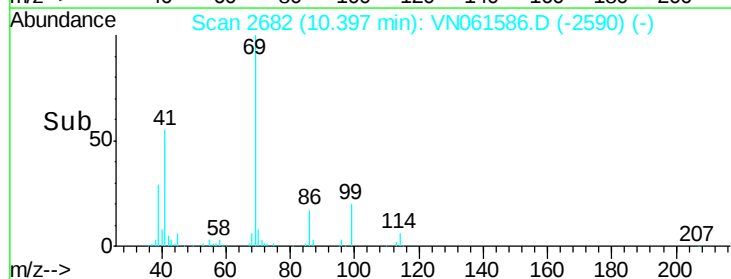
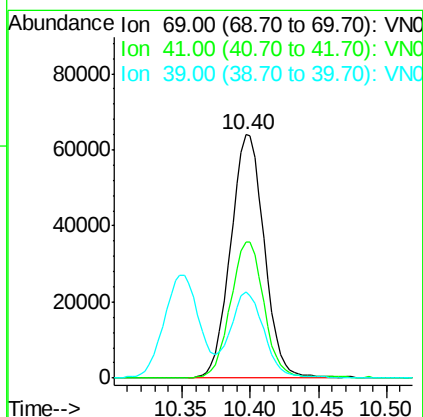
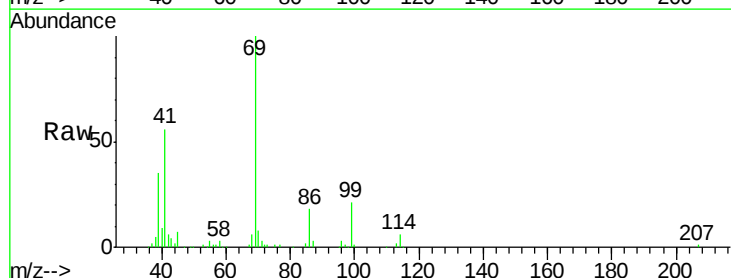
Manual Integrations
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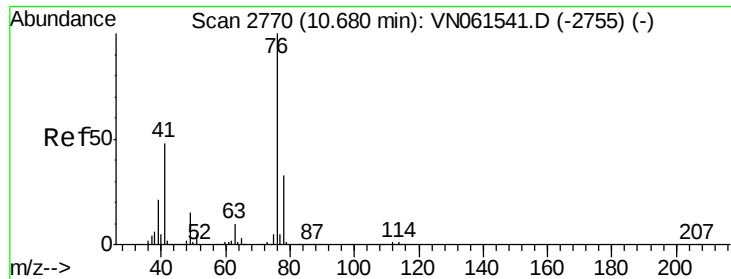
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#56
 Ethyl methacrylate
 Concen: 17.778 ug/l
 RT: 10.40 min Scan# 2682
 Delta R.T. -0.00 min
 Lab File: VN061586.D
 Acq: 1 Jun 2020 11:47

Tgt Ion:	69	Resp:	109805
Ion	Ratio	Lower	Upper
69	100		
41	54.8	43.5	65.3
39	34.5	27.0	40.6





#57

1,3-Dichloropropane

Concen: 19.028 ug/l

RT: 10.68 min Scan# 2769

Delta R.T. -0.00 min

Lab File: VN061586.D

Acq: 1 Jun 2020 11:47

Instrument :

MSVOA_N

ClientSampleId :

VN0601WBS01

Tot Ion: 76 Resp: 134557

Ion Ratio Lower Upper

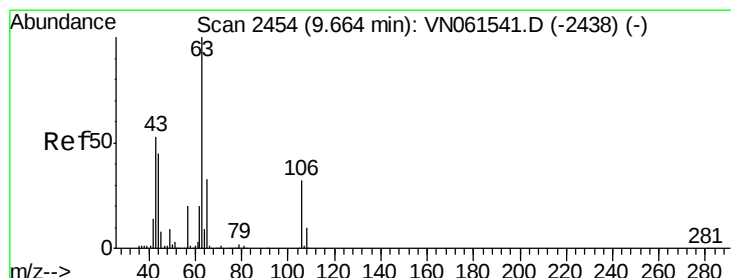
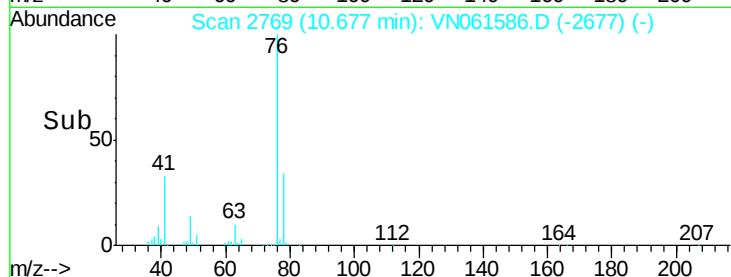
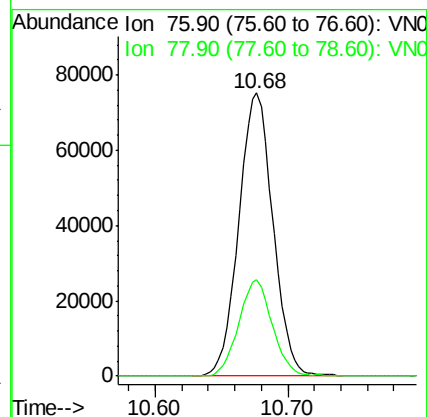
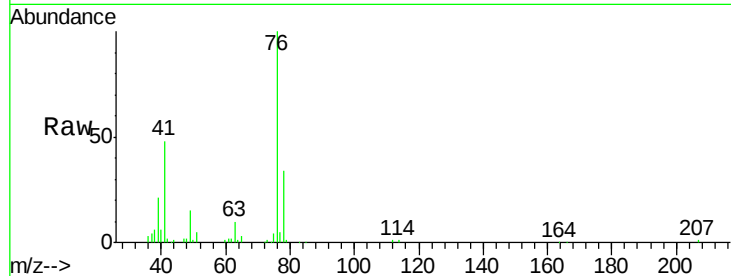
76 100

78 33.4 26.3 39.5

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#58

2-Chloroethyl Vinyl ether

Concen: 88.682 ug/l

RT: 9.66 min Scan# 2453

Delta R.T. -0.00 min

Lab File: VN061586.D

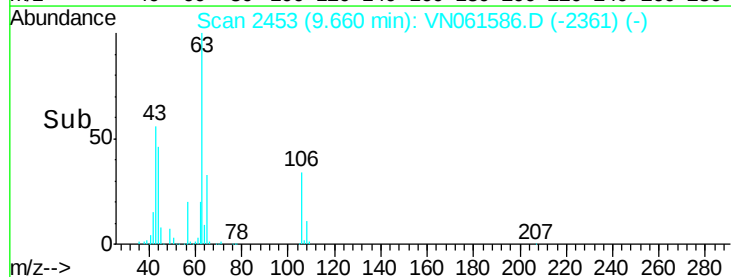
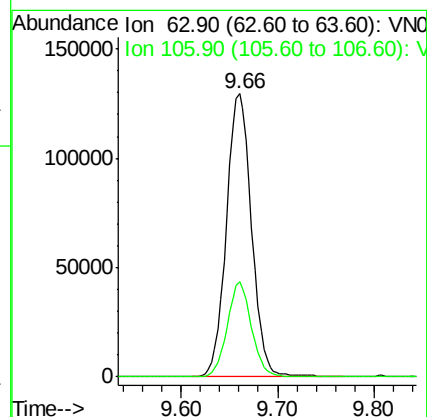
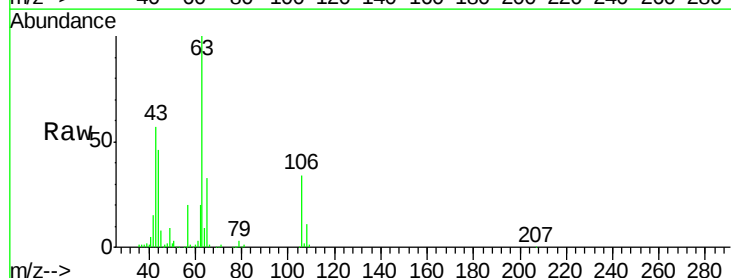
Acq: 1 Jun 2020 11:47

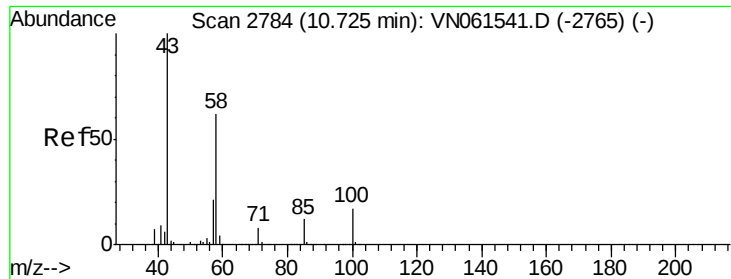
Tgt Ion: 63 Resp: 234073

Ion Ratio Lower Upper

63 100

106 32.2 25.9 38.9





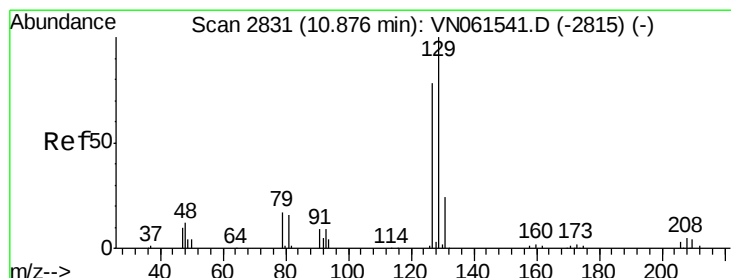
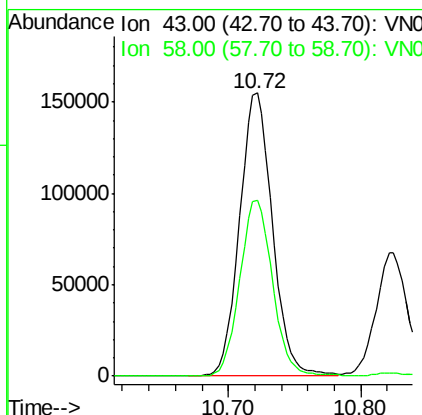
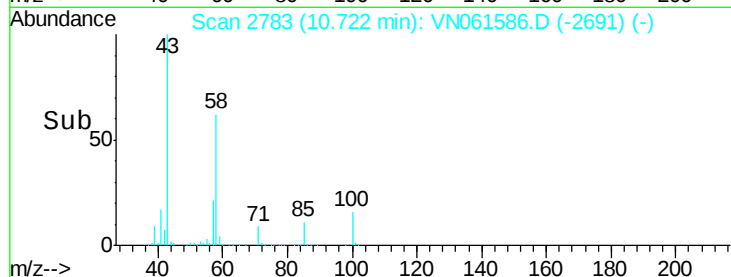
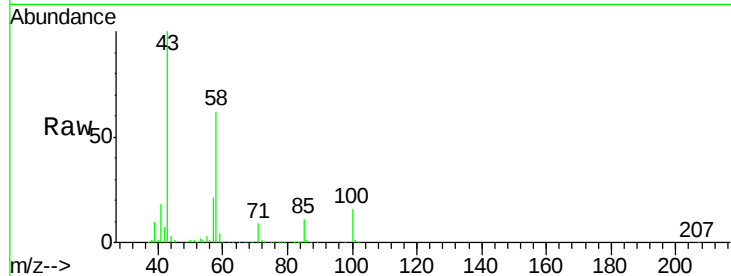
#59
2-Hexanone
Concen: 82.377 ug/l
RT: 10.72 min Scan# 2783
Delta R.T. -0.00 min
Lab File: VN061586.D
Acq: 1 Jun 2020 11:47

Instrument :
MSVOA_N
ClientSampleId :
VN0601WBS01

Tot Ion: 43 Resp: 266230
Ion Ratio Lower Upper
43 100
58 62.2 30.7 92.1

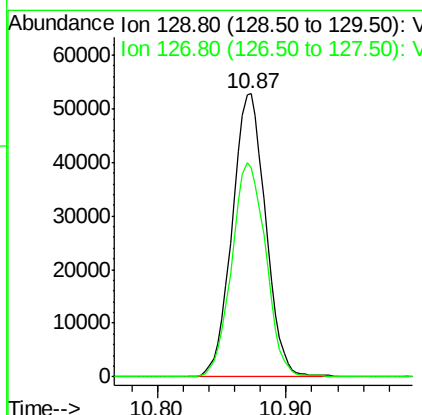
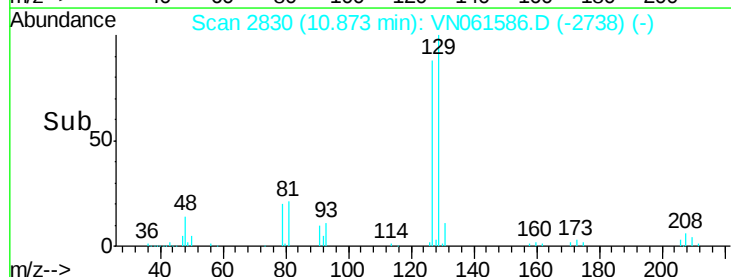
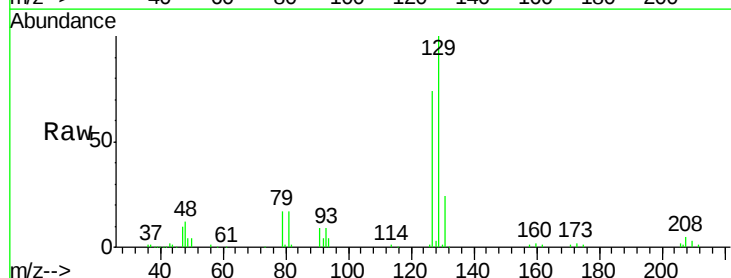
Manual Integrations
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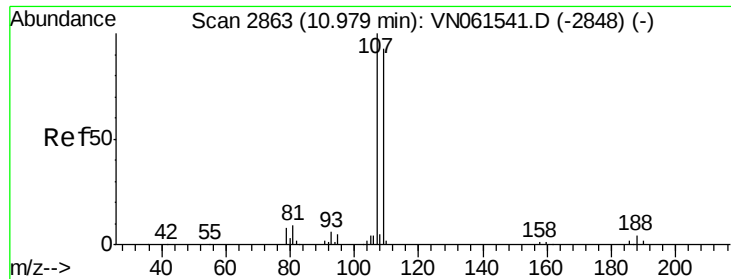
MMDadoda
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#60
Dibromochloromethane
Concen: 18.930 ug/l
RT: 10.87 min Scan# 2830
Delta R.T. -0.00 min
Lab File: VN061586.D
Acq: 1 Jun 2020 11:47

Tgt Ion:129 Resp: 95152
Ion Ratio Lower Upper
129 100
127 76.7 38.8 116.3





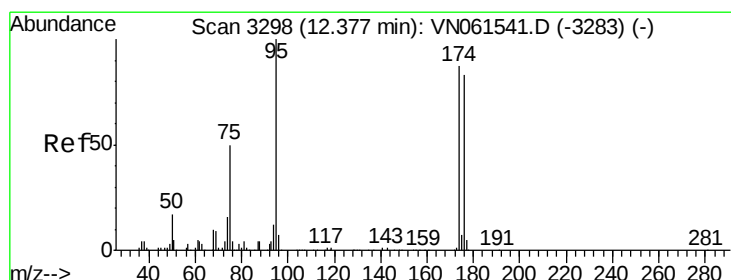
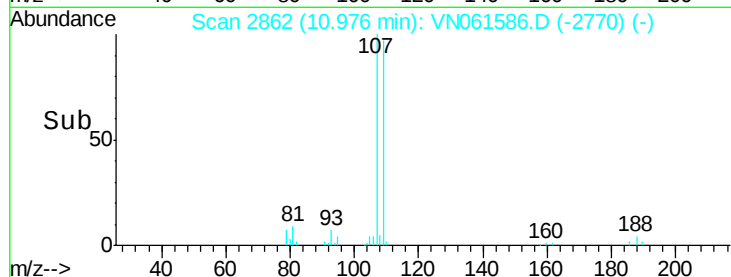
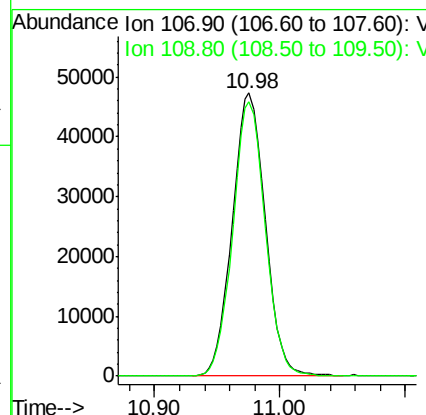
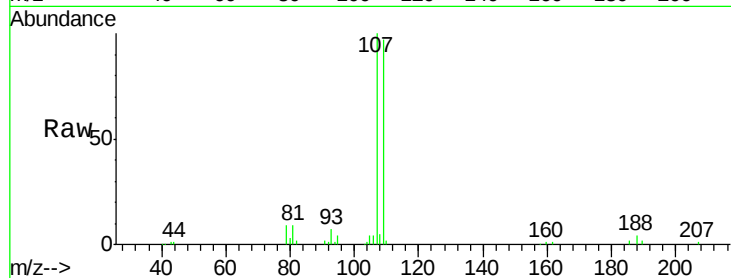
#61
 1,2-Dibromoethane
 Concen: 18.714 ug/l
 RT: 10.98 min Scan# 2862
 Delta R.T. -0.00 min
 Lab File: VN061586.D
 Acq: 1 Jun 2020 11:47

Instrument :
 MSVOA_N
 ClientSampled :
 VN0601WBS01

Tot Ion: 107 Resp: 86296
 Ion Ratio Lower Upper
 107 100
 109 95.4 76.1 114.1

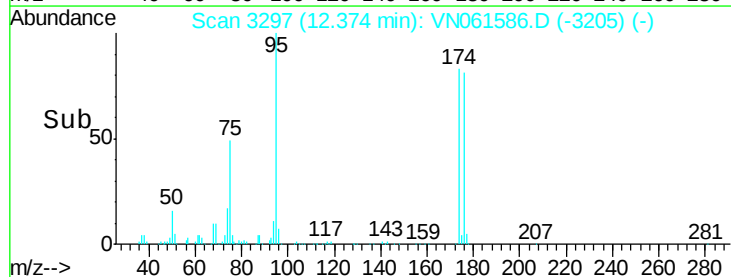
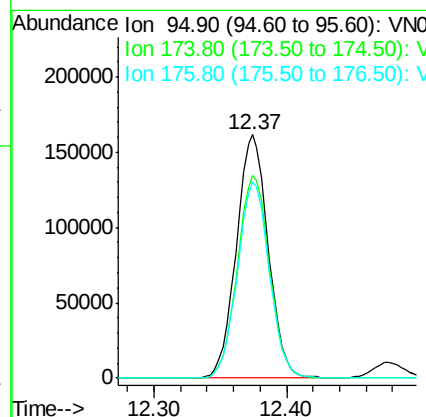
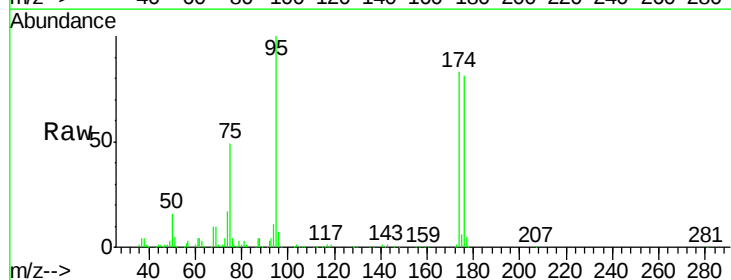
Manual Integrations
 APPROVED

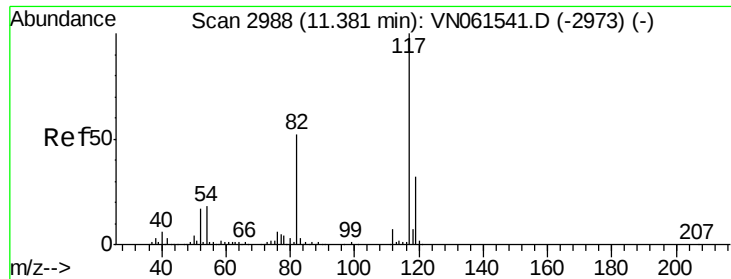
MMDadoda
 6/2/2020 4:01:36 PM



#62
 4-Bromofluorobenzene
 Concen: 50.372 ug/l
 RT: 12.37 min Scan# 3297
 Delta R.T. -0.00 min
 Lab File: VN061586.D
 Acq: 1 Jun 2020 11:47

Tgt Ion: 95 Resp: 268937
 Ion Ratio Lower Upper
 95 100
 174 84.3 0.0 172.8
 176 80.9 0.0 164.8





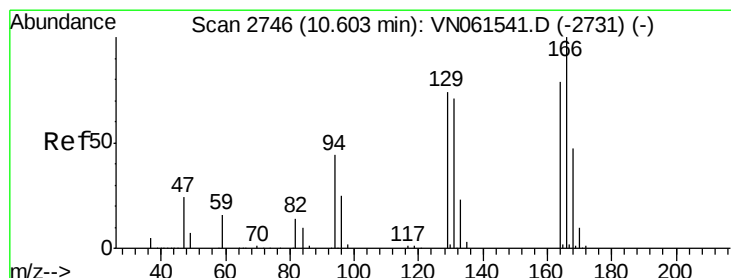
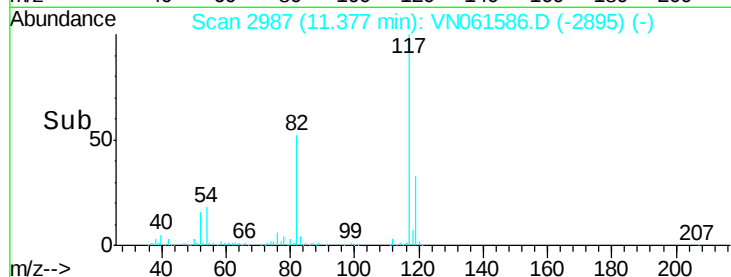
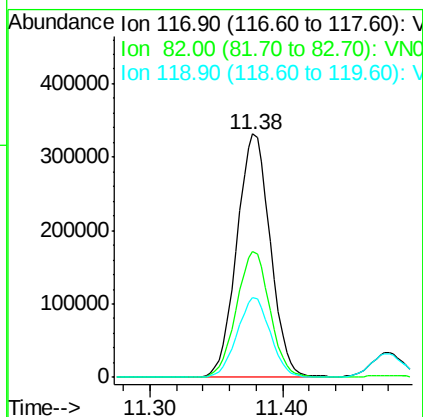
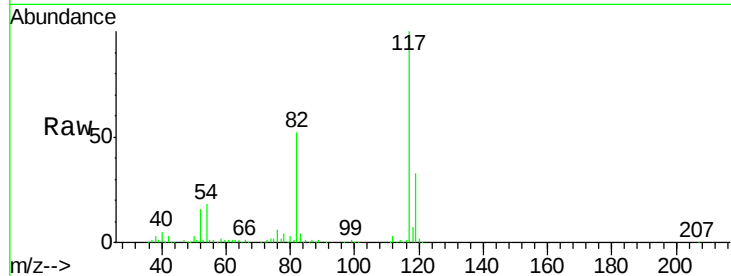
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2987
Delta R.T. -0.00 min
Lab File: VN061586.D
Acq: 1 Jun 2020 11:47

Instrument :
MSVOA_N
ClientSampleId :
VN0601WBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	582588		
82	51.8		41.5	62.3
119	32.6		25.6	38.4

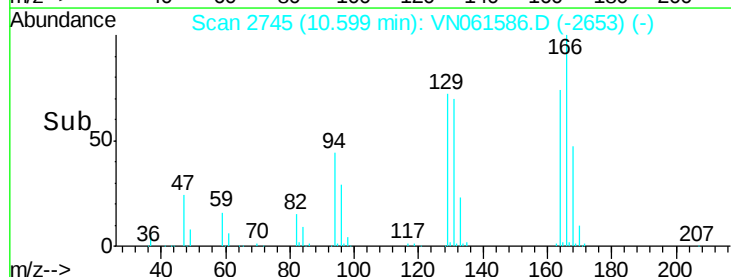
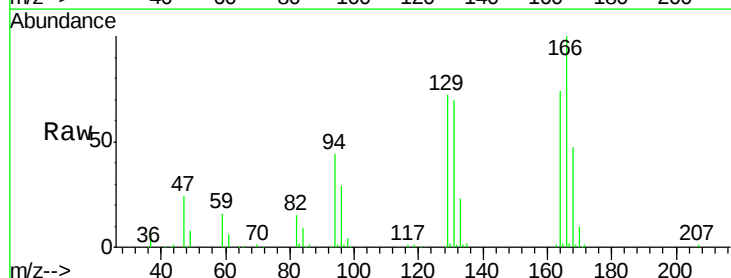
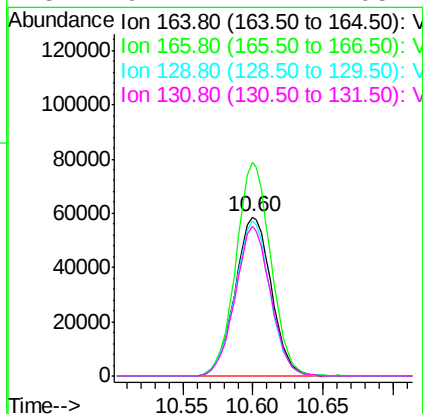
Manual Integrations
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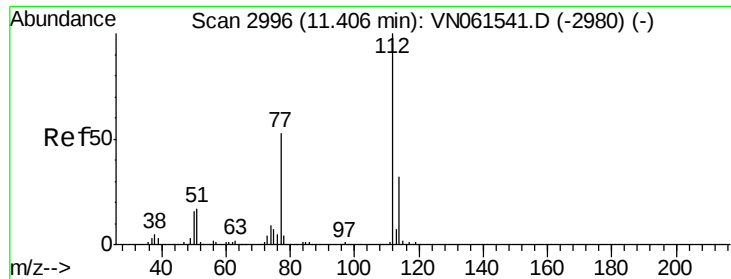
MMDadoda
6/2/2020 4:01:36 PM



#64
Tetrachloroethene
Concen: 19.209 ug/l
RT: 10.60 min Scan# 2745
Delta R.T. -0.00 min
Lab File: VN061586.D
Acq: 1 Jun 2020 11:47

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	105340		
166	134.4		101.5	152.3
129	97.2		74.9	112.3
131	94.4		72.2	108.2





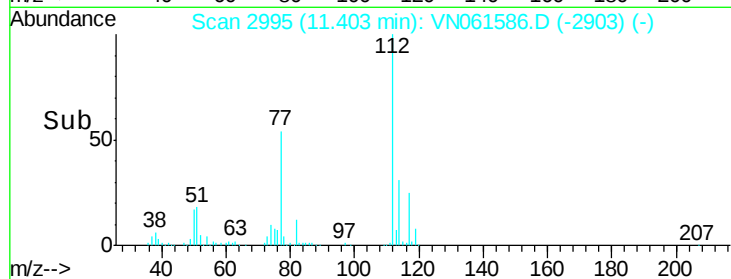
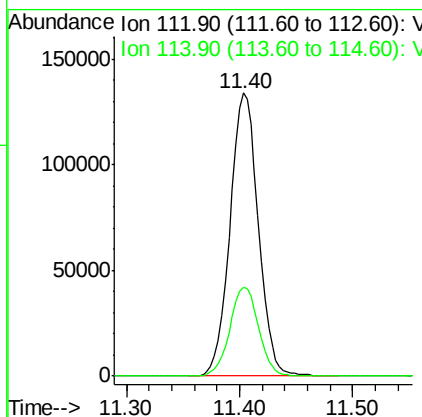
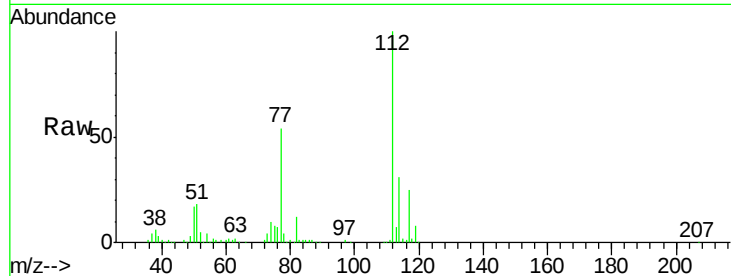
#65
Chlorobenzene
Concen: 19.233 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. -0.00 min
Lab File: VN061586.D
Acq: 1 Jun 2020 11:47

Instrument :
MSVOA_N
ClientSampled :
VN0601WBS01

Tot Ion:112 Resp: 232907
Ion Ratio Lower Upper
112 100
114 31.4 25.7 38.5

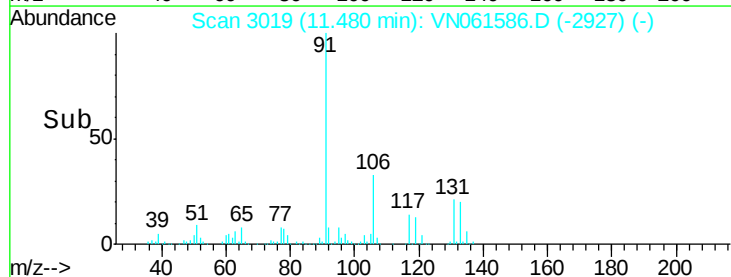
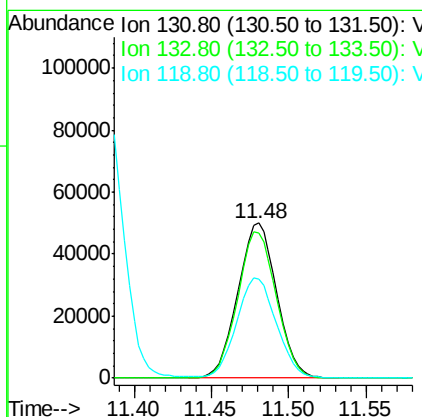
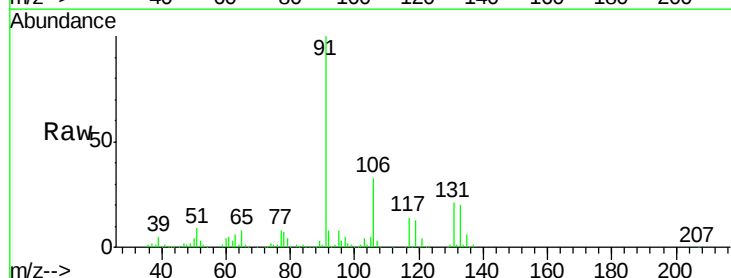
Manual Integrations
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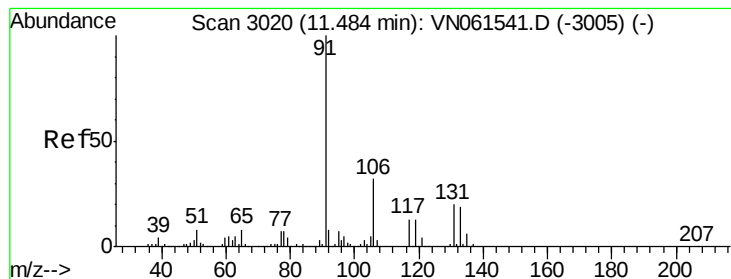
MMDadoda
6/2/2020 4:01:36 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 19.386 ug/l
RT: 11.48 min Scan# 3019
Delta R.T. -0.00 min
Lab File: VN061586.D
Acq: 1 Jun 2020 11:47

Tgt Ion:131 Resp: 87415
Ion Ratio Lower Upper
131 100
133 94.2 47.4 142.2
119 66.5 32.6 97.8





#67

Ethyl Benzene

Concen: 19.314 ug/l

RT: 11.48 min Scan# 3020

Delta R.T. 0.00 min

Lab File: VN061586.D

Acq: 1 Jun 2020 11:47

Instrument :

MSVOA_N

ClientSampled :

VN0601WBS01

Tot Ion: 91 Resp: 404248

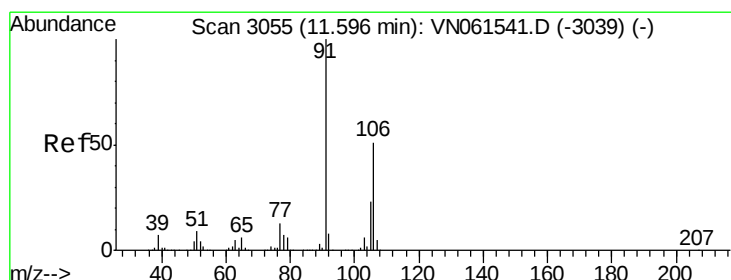
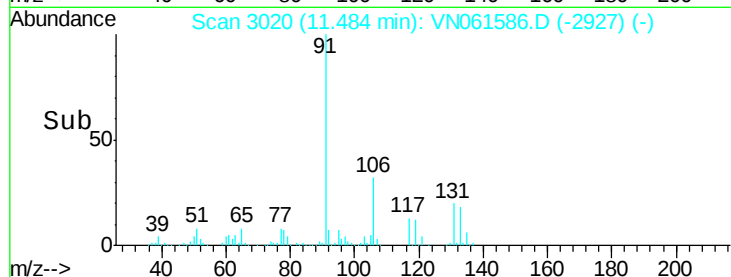
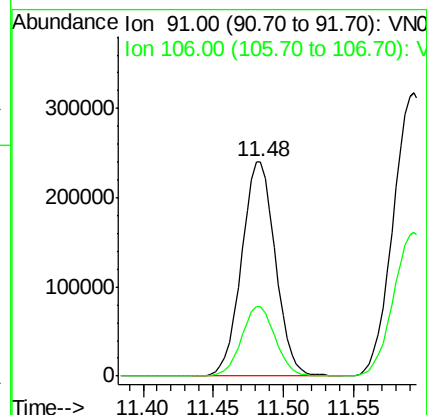
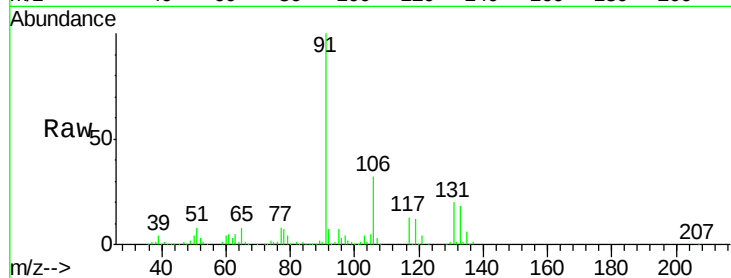
Ion Ratio Lower Upper

91 100

106 32.3 25.6 38.4

Manual Integrations
APPROVED

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#68

m/p-Xylenes

Concen: 38.371 ug/l

RT: 11.59 min Scan# 3054

Delta R.T. -0.00 min

Lab File: VN061586.D

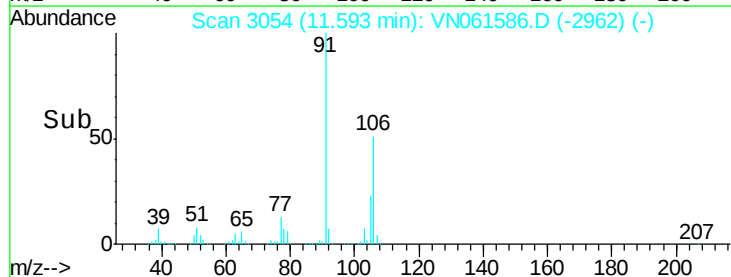
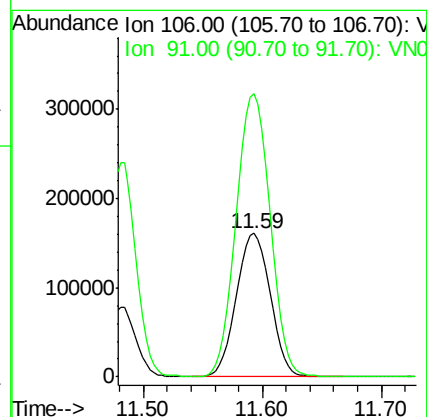
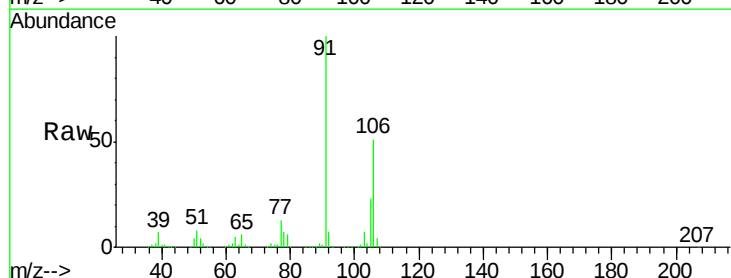
Acq: 1 Jun 2020 11:47

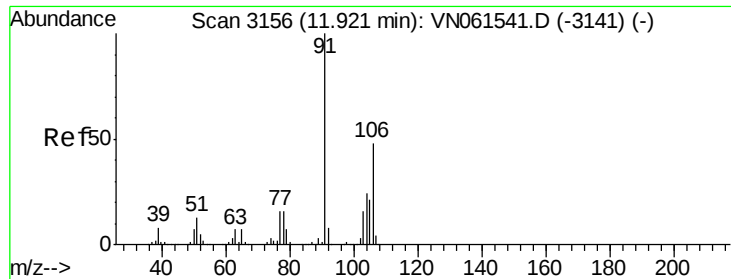
Tgt Ion: 106 Resp: 318442

Ion Ratio Lower Upper

106 100

91 198.0 156.2 234.4





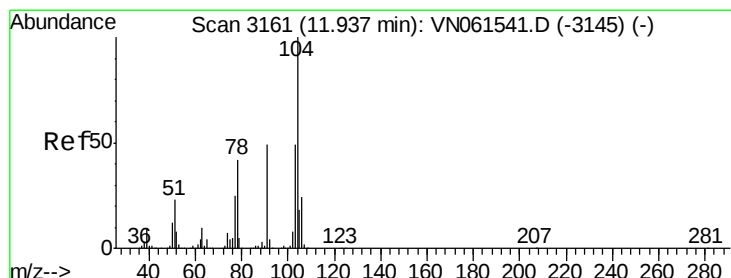
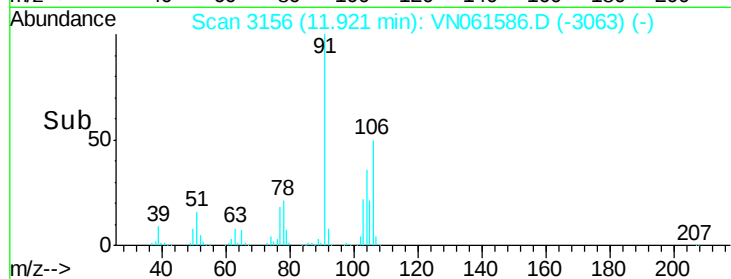
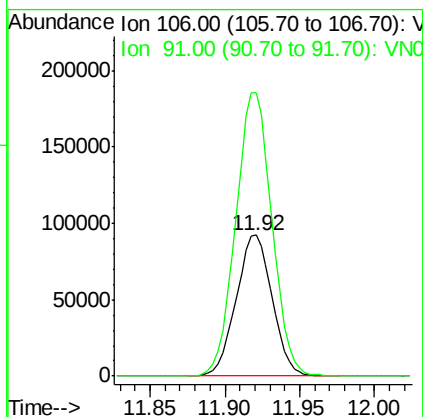
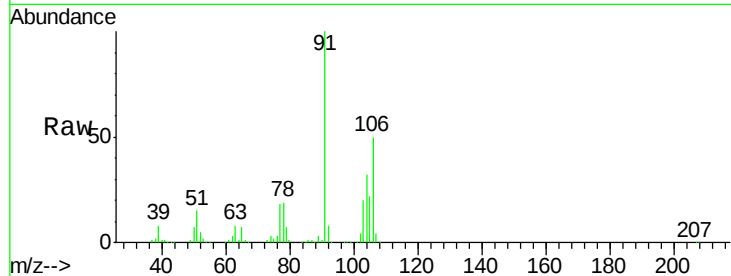
#69
o-Xylene
Concen: 19.687 ug/l
RT: 11.92 min Scan# 3156
Delta R.T. 0.00 min
Lab File: VN061586.D
Acq: 1 Jun 2020 11:47

Instrument :
MSVOA_N
ClientSampleId :
VN0601WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		155180		
91	201.7	103.3	309.8		

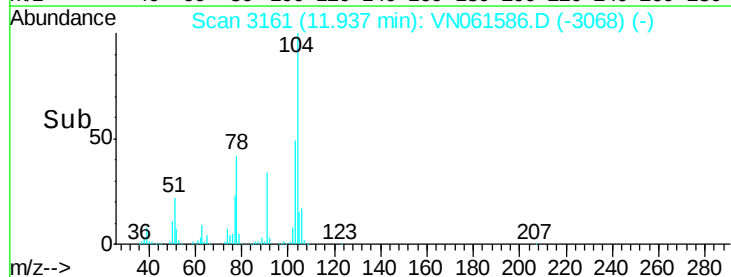
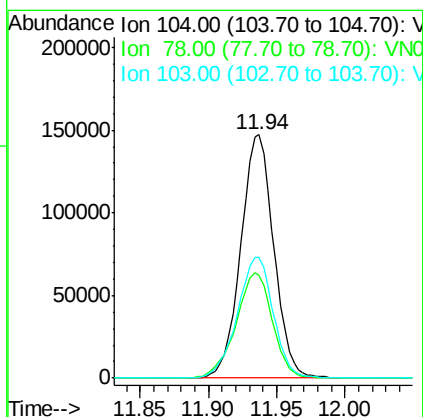
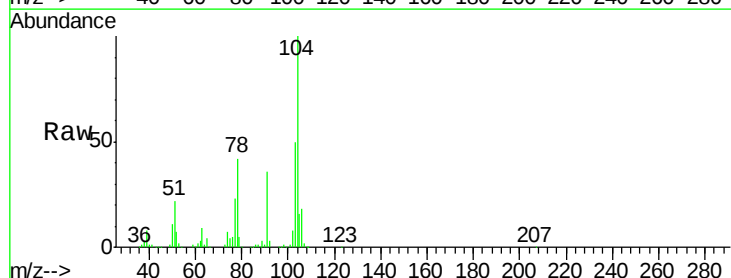
Manual Integrations
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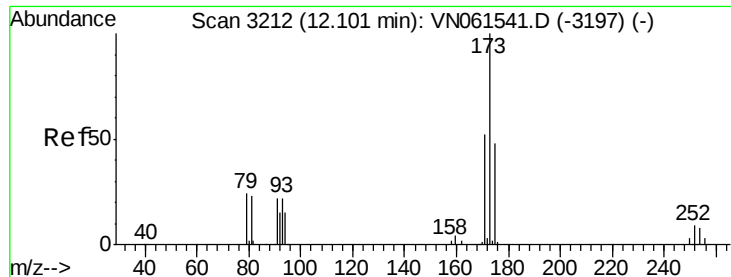
MMDadoda
6/2/2020 4:01:36 PM



#70
Styrene
Concen: 18.966 ug/l
RT: 11.94 min Scan# 3161
Delta R.T. 0.00 min
Lab File: VN061586.D
Acq: 1 Jun 2020 11:47

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		247570		
78	47.8	37.4	56.0		
103	54.4	42.3	63.5		





#71

Bromoform

Concen: 17.939 ug/l

RT: 12.10 min Scan# 3211

Delta R.T. -0.00 min

Lab File: VN061586.D

Acq: 1 Jun 2020 11:47

Instrument :

MSVOA_N

ClientSampleId :

VN0601WBS01

Tot Ion:173 Resp: 62331

Ion Ratio Lower Upper

173 100

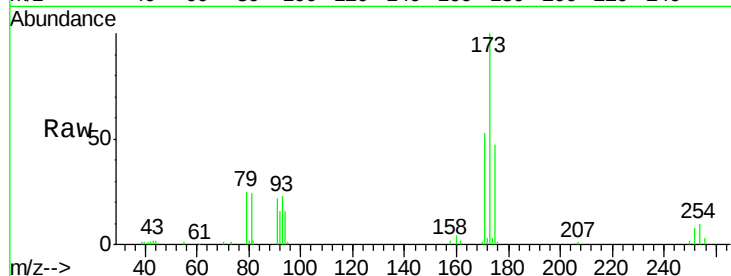
175 47.1 24.4 73.2

254 0.0 0.0 0.0

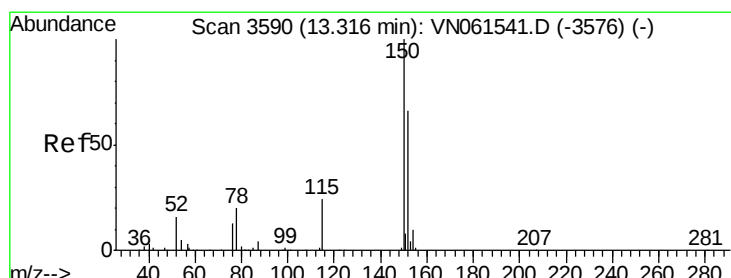
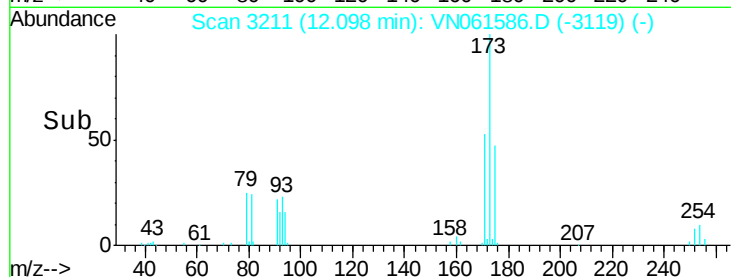
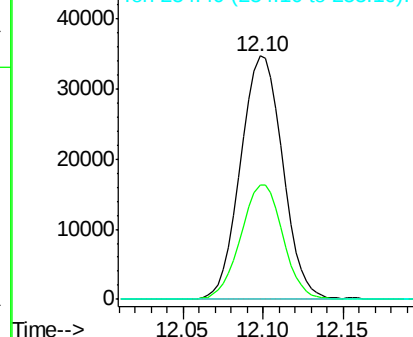
Manual Integrations
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3590

Delta R.T. 0.00 min

Lab File: VN061586.D

Acq: 1 Jun 2020 11:47

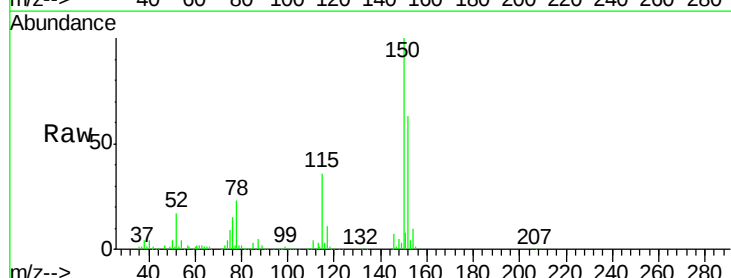
Tgt Ion:152 Resp: 286216

Ion Ratio Lower Upper

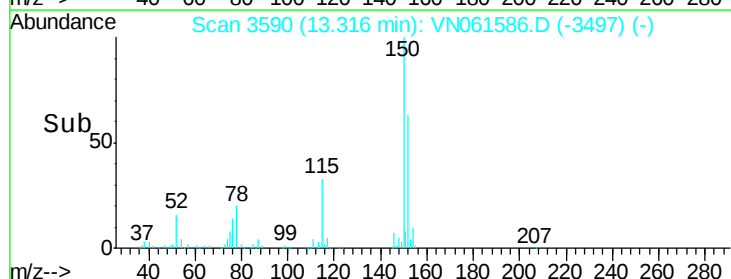
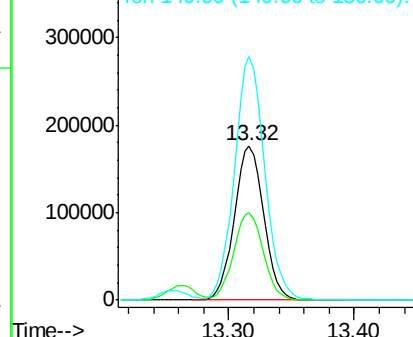
152 100

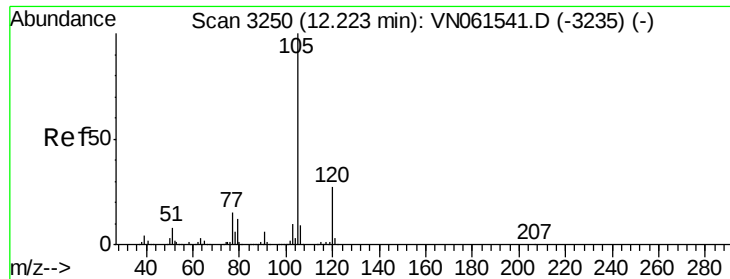
115 56.9 28.0 84.0

150 163.1 0.0 344.0



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





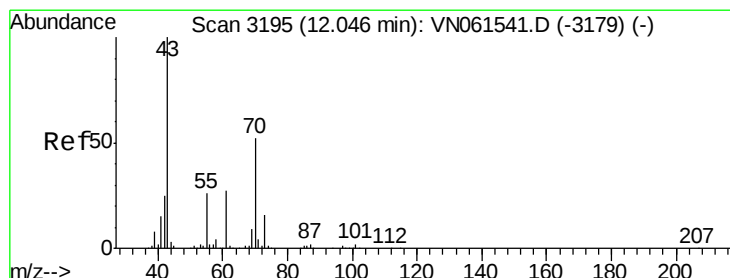
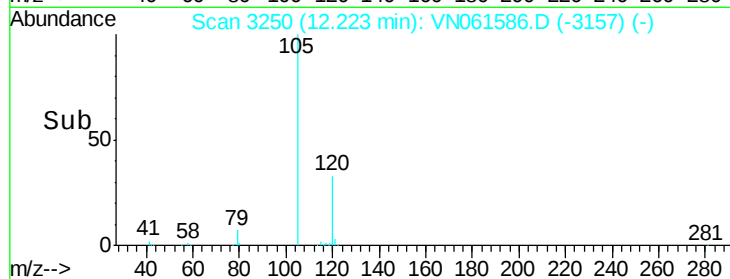
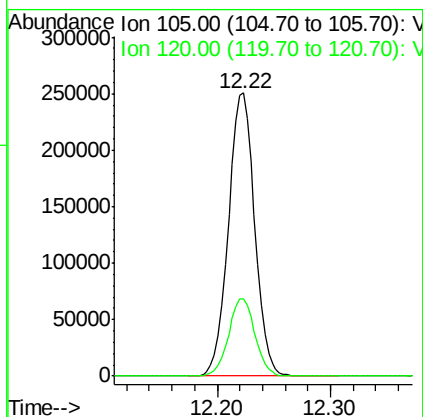
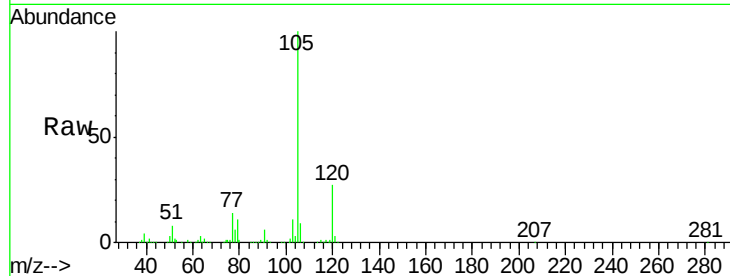
#73
Isopropylbenzene
Concen: 19.358 ug/l
RT: 12.22 min Scan# 3250
Delta R.T. 0.00 min
Lab File: VN061586.D
Acq: 1 Jun 2020 11:47

Instrument :
MSVOA_N
ClientSampled :
VN0601WBS01

Tot Ion	Ratio	Lower	Upper
105	100		
120	27.5	13.8	41.3

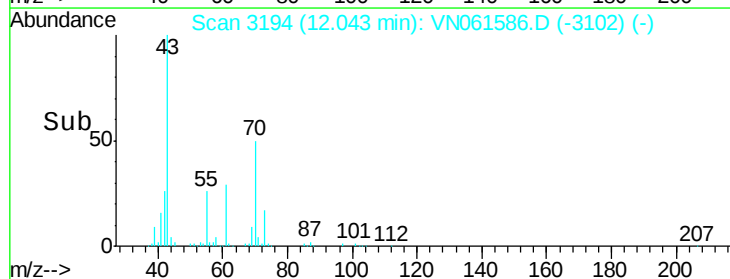
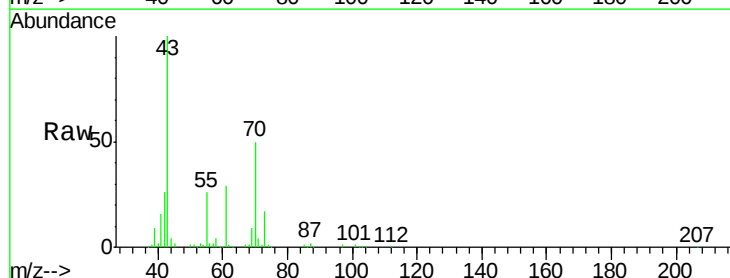
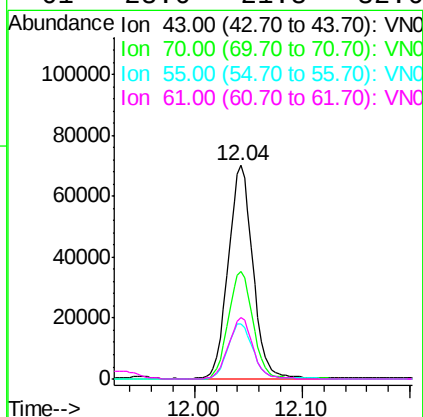
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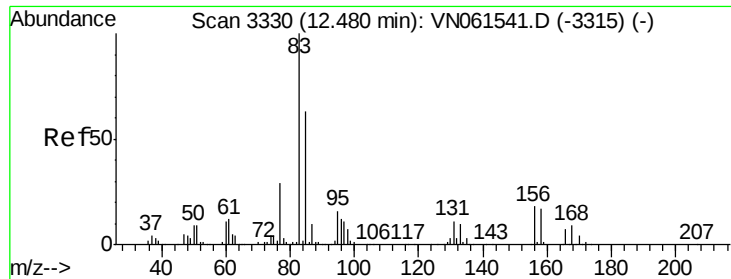
MMDadoda
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#74
N-ethyl acetate
Concen: 16.955 ug/l
RT: 12.04 min Scan# 3194
Delta R.T. -0.00 min
Lab File: VN061586.D
Acq: 1 Jun 2020 11:47

Tgt Ion	Ratio	Lower	Upper
43	100		
70	50.7	40.5	60.7
55	26.7	20.6	31.0
61	28.6	21.8	32.6





#75

1,1,2,2-Tetrachloroethane

Concen: 17.492 ug/l

RT: 12.48 min Scan# 3329

Delta R.T. -0.00 min

Lab File: VN061586.D

Acq: 1 Jun 2020 11:47

Instrument :

MSVOA_N

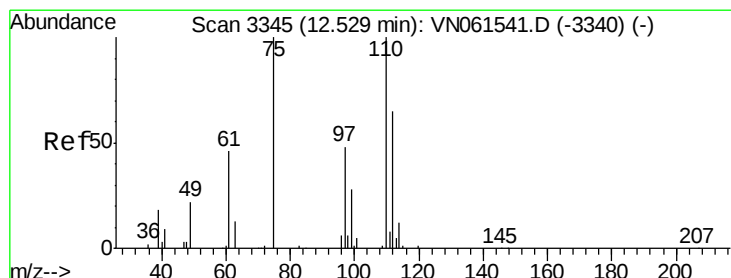
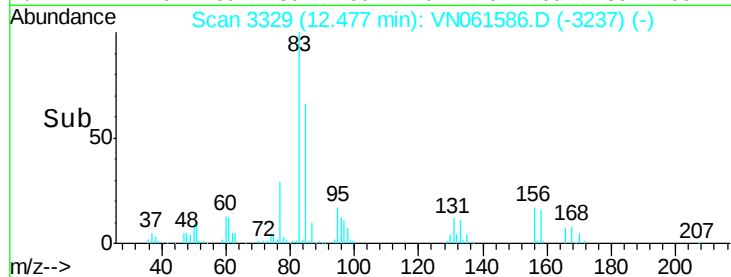
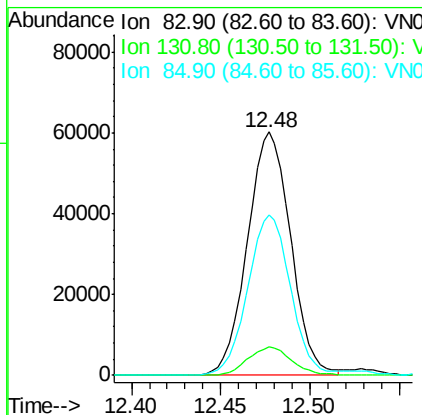
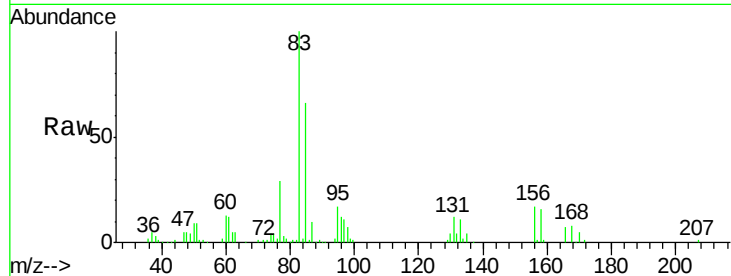
ClientSampleId :

VN0601WBS01

Tot Ion:	83	Resp:	102399
Ion Ratio	Lower	Upper	
83	100		
131	11.7	5.5	16.5
85	65.1	32.1	96.3

Manual Integrations
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6/2/2020 4:01:36 PM



#76

1,2,3-Trichloropropane

Concen: 16.259 ug/l m

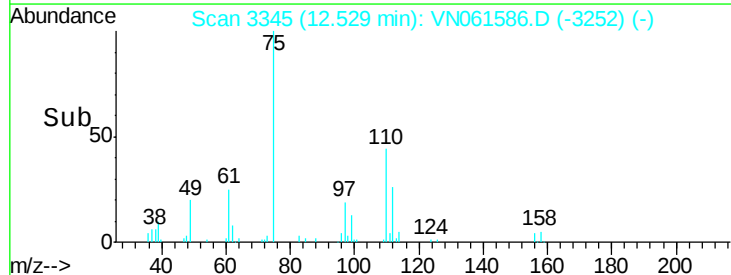
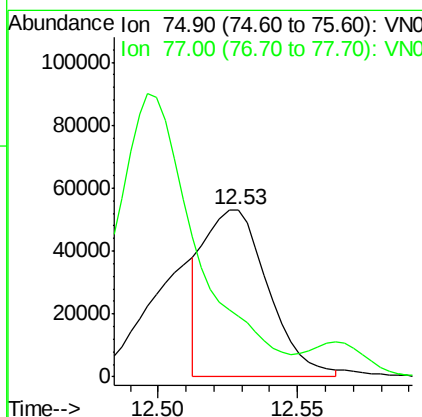
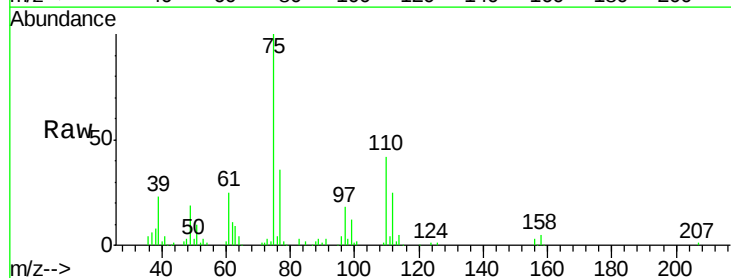
RT: 12.53 min Scan# 3345

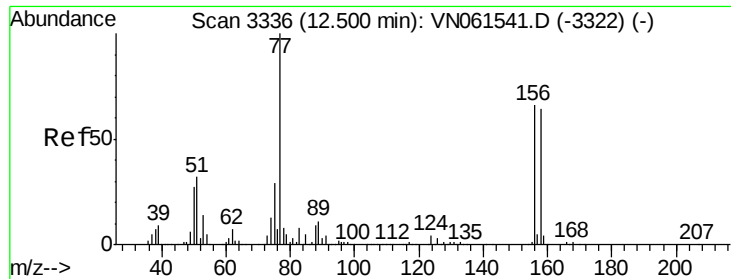
Delta R.T. 0.00 min

Lab File: VN061586.D

Acq: 1 Jun 2020 11:47

Tgt Ion:	75	Resp:	84618
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 18.695 ug/l

RT: 12.50 min Scan# 3335

Delta R.T. -0.00 min

Lab File: VN061586.D

Acq: 1 Jun 2020 11:47

Instrument :

MSVOA_N

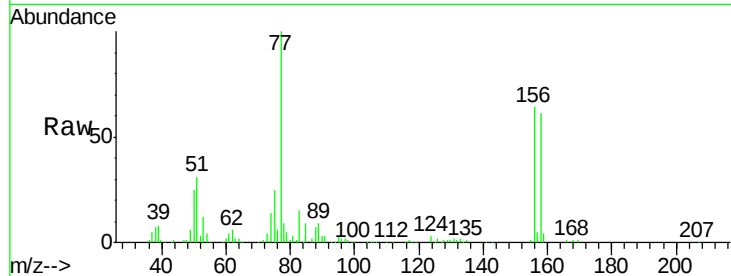
ClientSampleId :

VN0601WBS01

Tot Ion:	156	Resp:	99686
Ion Ratio	Lower	Upper	
156	100		
77	182.5	90.9	272.7
158	96.7	48.4	145.3

Manual Integrations
APPROVED

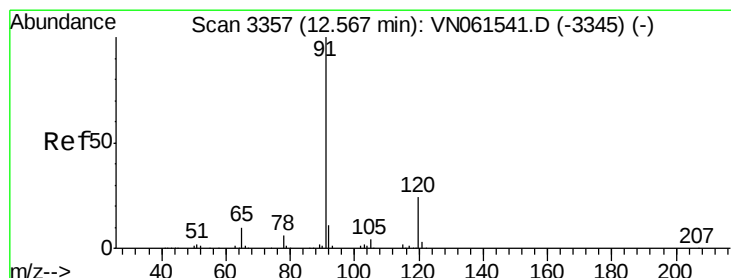
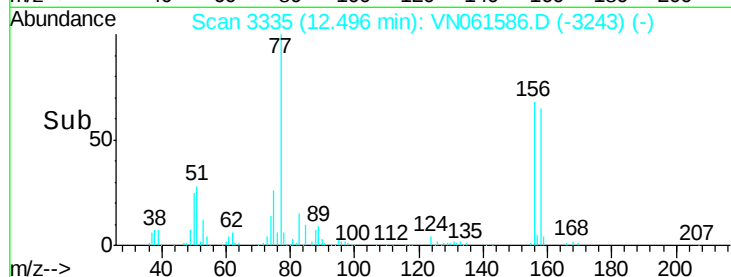
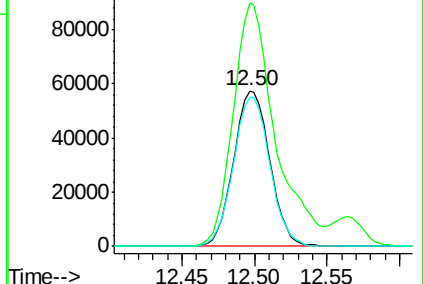
MMDadoda
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.365 ug/l

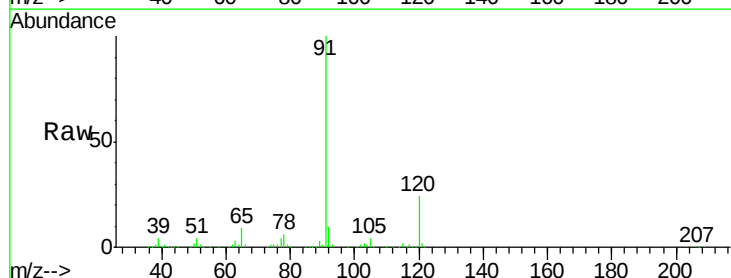
RT: 12.56 min Scan# 3356

Delta R.T. -0.00 min

Lab File: VN061586.D

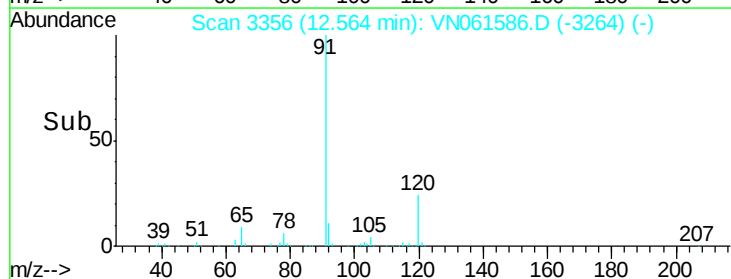
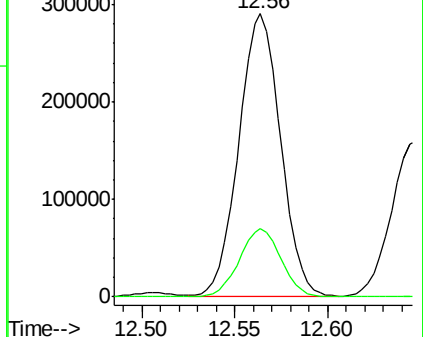
Acq: 1 Jun 2020 11:47

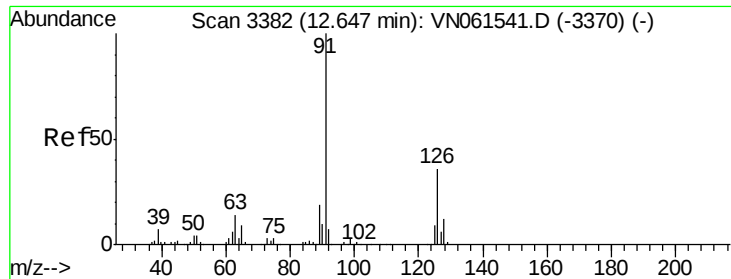
Tgt Ion:	91	Resp:	451607
Ion Ratio	Lower	Upper	
91	100		
120	24.4	12.3	36.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





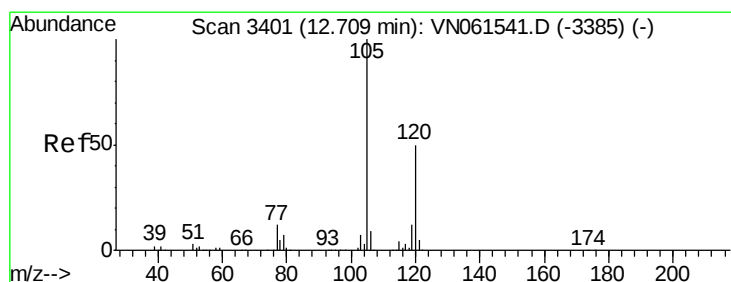
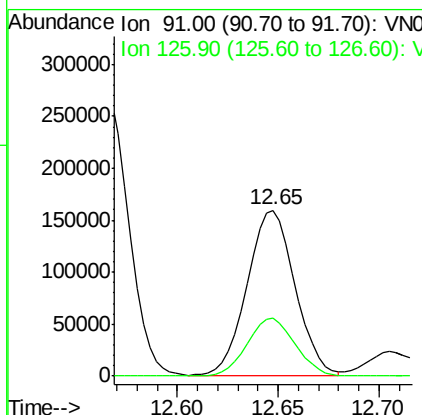
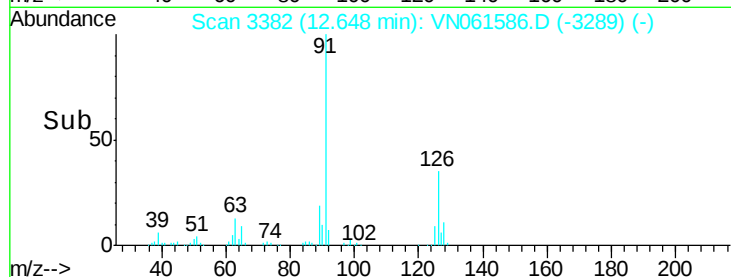
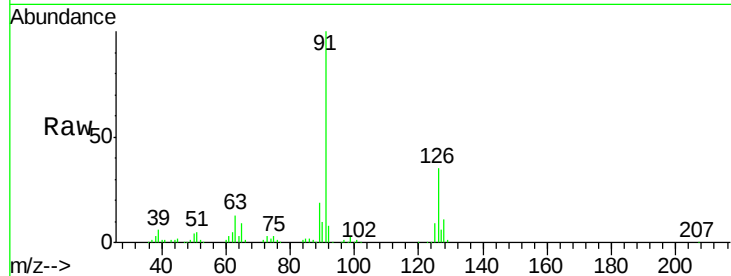
#79
 2-Chlorotoluene
 Concen: 18.949 ug/l
 RT: 12.65 min Scan# 3382
 Delta R.T. 0.00 min
 Lab File: VN061586.D
 Acq: 1 Jun 2020 11:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0601WBS01

Tot Ion: 91 Resp: 263504
 Ion Ratio Lower Upper
 91 100
 126 35.4 17.9 53.7

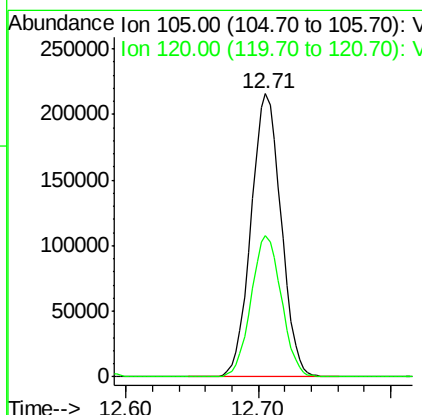
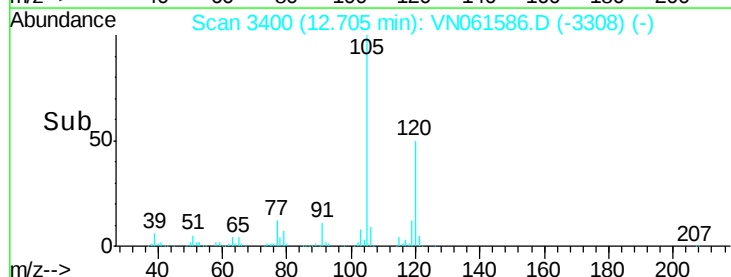
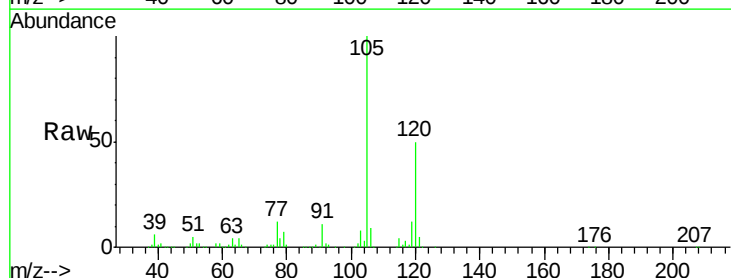
Manual Integrations
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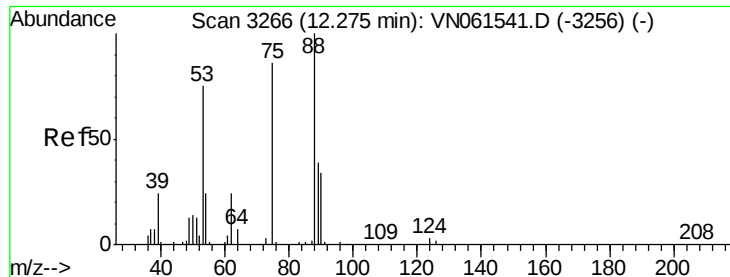
MMDadoda
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#80
 1,3,5-Trimethylbenzene
 Concen: 19.463 ug/l
 RT: 12.71 min Scan# 3400
 Delta R.T. -0.00 min
 Lab File: VN061586.D
 Acq: 1 Jun 2020 11:47

Tgt Ion: 105 Resp: 339836
 Ion Ratio Lower Upper
 105 100
 120 50.4 25.1 75.2





#81

trans-1,4-Dichloro-2-butene

Concen: 16.460 ug/l

RT: 12.27 min Scan# 3266

Delta R.T. 0.00 min

Lab File: VN061586.D

Acq: 1 Jun 2020 11:47

Instrument :

MSVOA_N

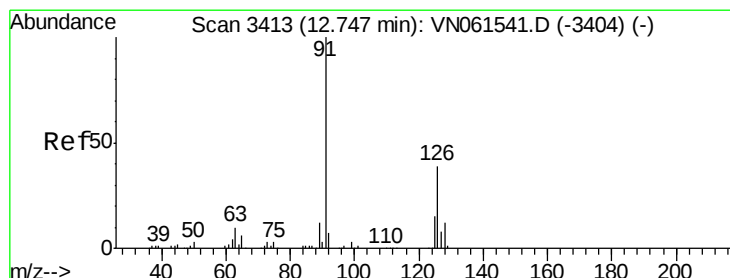
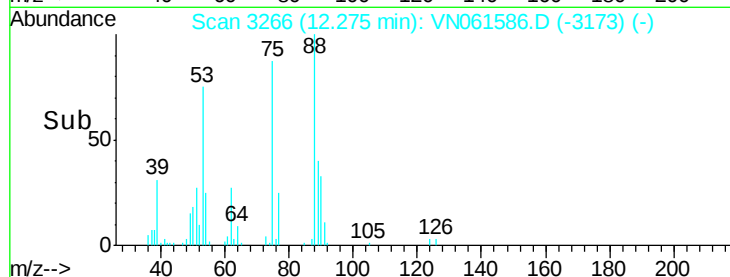
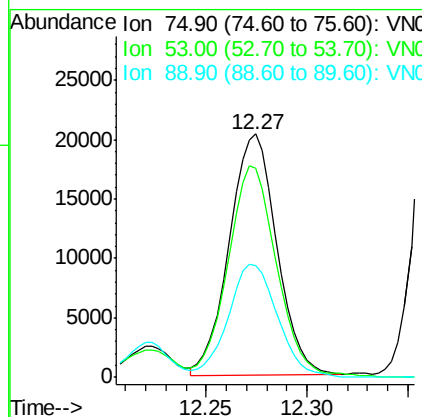
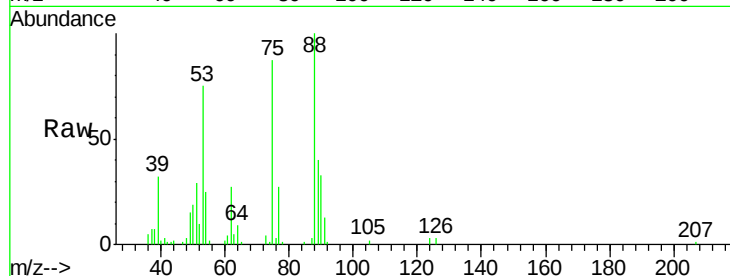
ClientSampled :

VN0601WBS01

Tot Ion:	75	Resp:	33499
Ion	Ratio	Lower	Upper
75	100		
53	90.2	67.8	101.8
89	48.8	37.1	55.7

Manual Integrations
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#82

4-Chlorotoluene

Concen: 18.635 ug/l

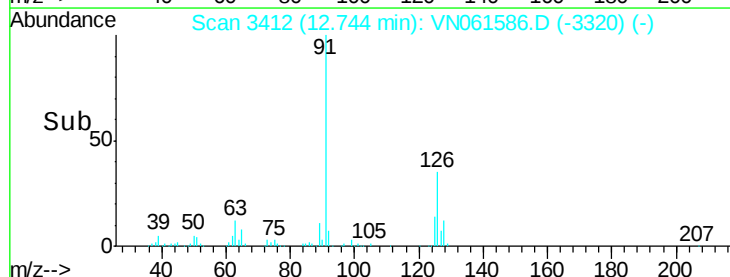
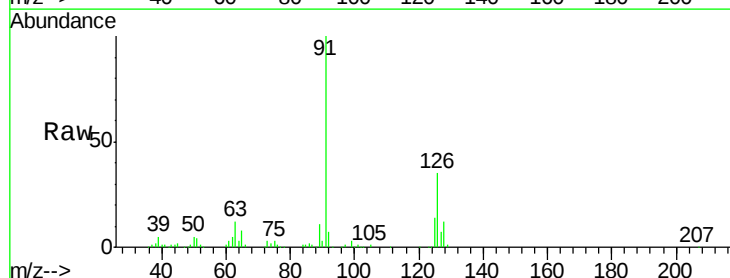
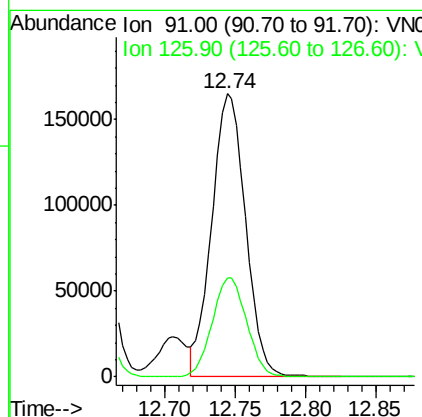
RT: 12.74 min Scan# 3412

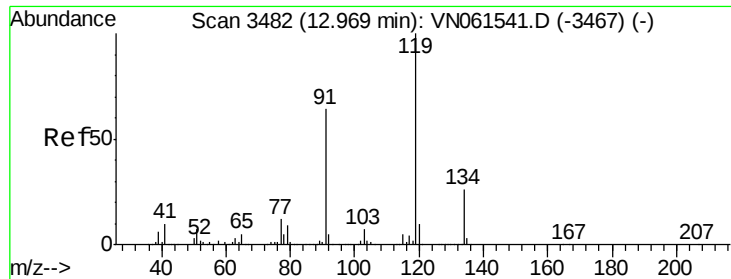
Delta R.T. -0.00 min

Lab File: VN061586.D

Acq: 1 Jun 2020 11:47

Tgt Ion:	91	Resp:	272622
Ion	Ratio	Lower	Upper
91	100		
126	35.7	17.5	52.6





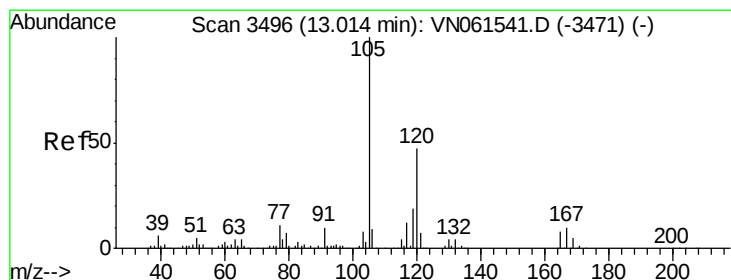
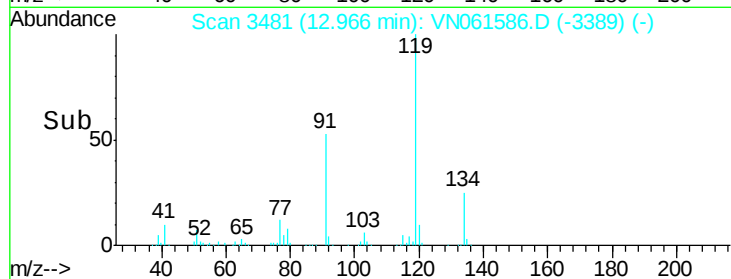
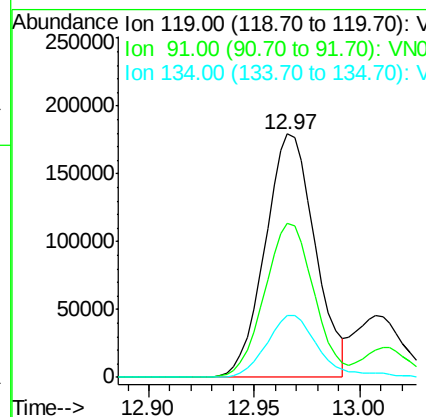
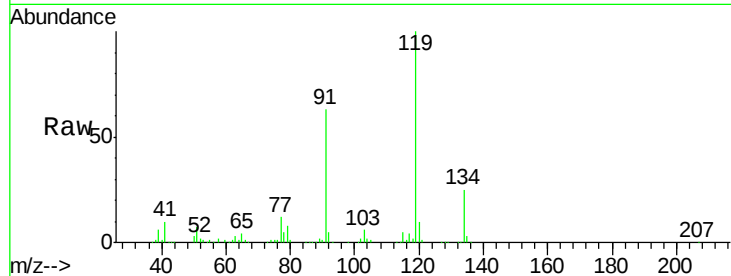
#83
tert-Butylbenzene
Concen: 19.138 ug/l
RT: 12.97 min Scan# 3481
Delta R.T. -0.00 min
Lab File: VN061586.D
Acq: 1 Jun 2020 11:47

Instrument :
MSVOA_N
ClientSampleId :
VN0601WBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	295233		
91	62.7		31.3	93.8
134	26.6		13.5	40.4

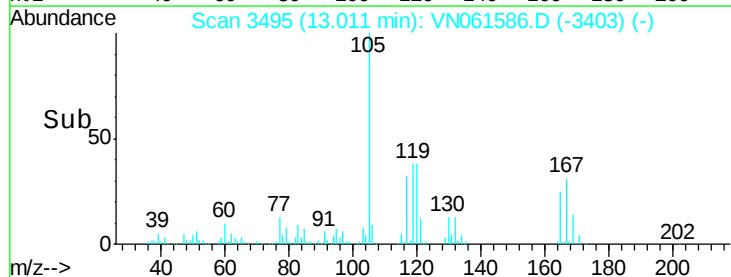
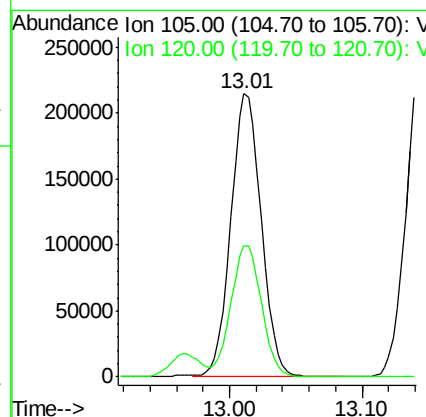
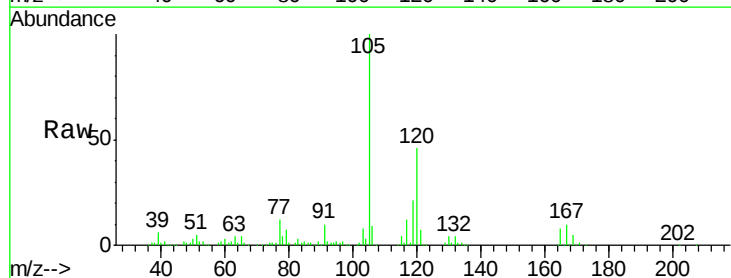
Manual Integrations
APPROVED

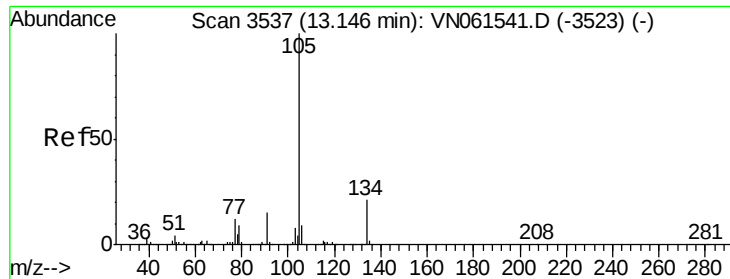
MMDadoda
6/2/2020 4:01:36 PM



#84
1,2,4-Trimethylbenzene
Concen: 19.646 ug/l
RT: 13.01 min Scan# 3495
Delta R.T. -0.00 min
Lab File: VN061586.D
Acq: 1 Jun 2020 11:47

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	340773		
120	46.6		23.2	69.5





#85

sec-Butylbenzene

Concen: 19.416 ug/l

RT: 13.15 min Scan# 3537

Delta R.T. 0.00 min

Lab File: VN061586.D

Acq: 1 Jun 2020 11:47

Instrument :

MSVOA_N

ClientSampled :

VN0601WBS01

Tot Ion:105 Resp: 385960

Ion Ratio Lower Upper

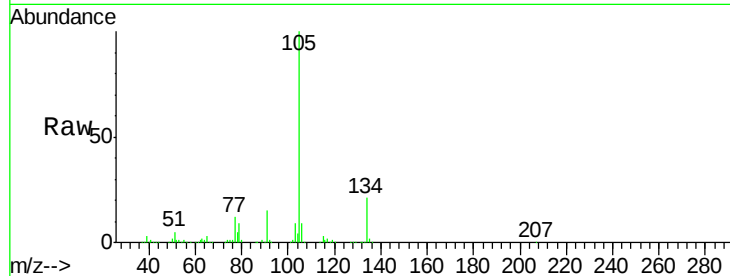
105 100

134 20.6 10.7 31.9

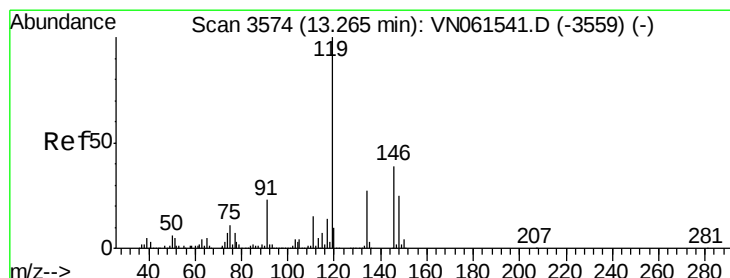
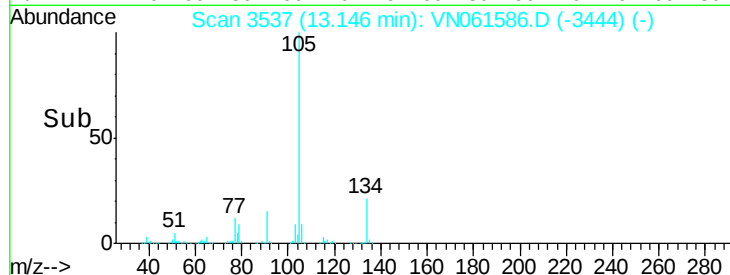
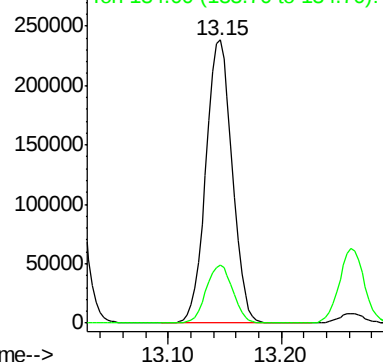
Manual Integrations
APPROVED

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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: 19.827 ug/l

RT: 13.26 min Scan# 3573

Delta R.T. -0.00 min

Lab File: VN061586.D

Acq: 1 Jun 2020 11:47

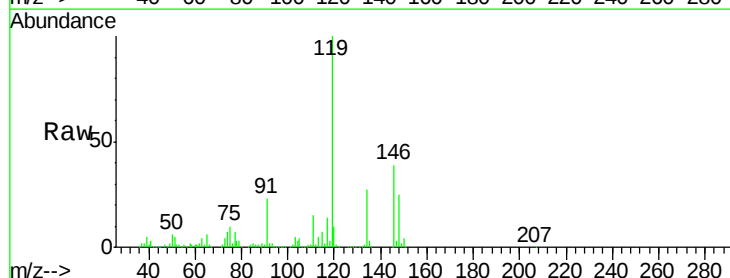
Tgt Ion:119 Resp: 362967

Ion Ratio Lower Upper

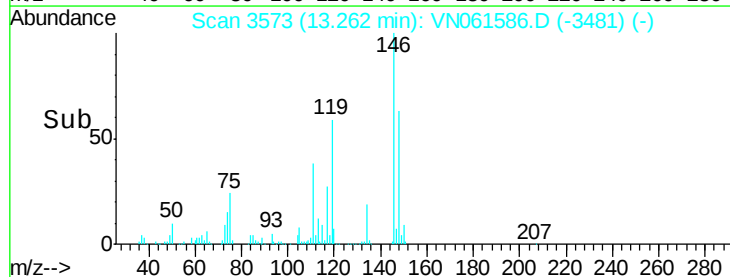
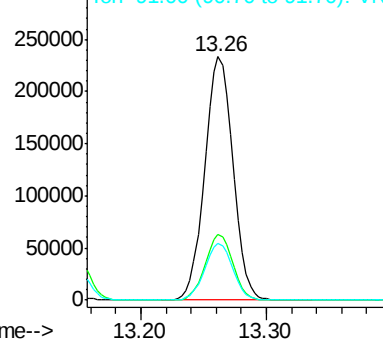
119 100

134 26.7 13.5 40.5

91 23.0 11.4 34.1



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





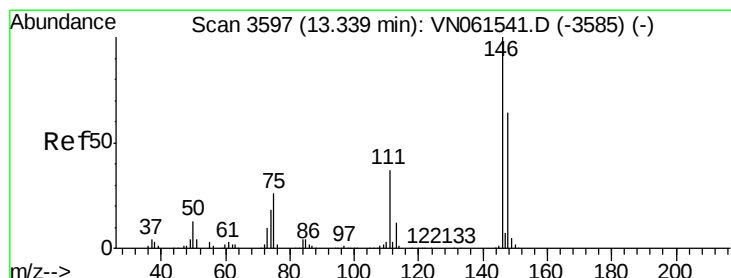
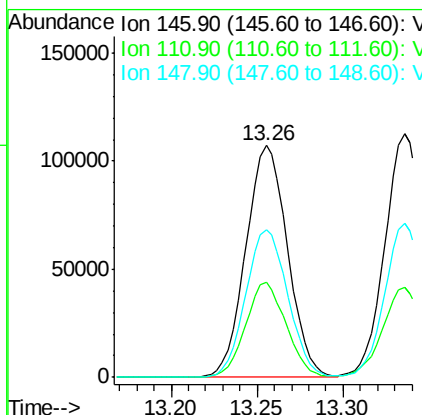
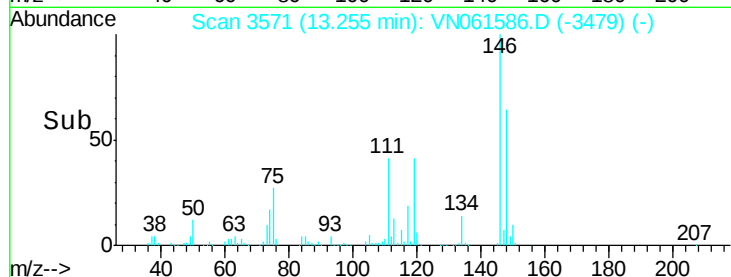
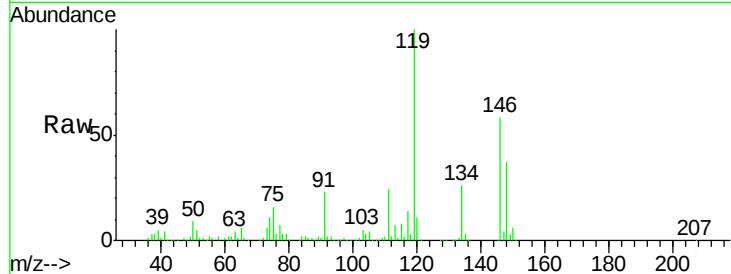
#87
 1,3-Dichlorobenzene
 Concen: 19.133 ug/l
 RT: 13.26 min Scan# 3571
 Delta R.T. -0.00 min
 Lab File: VN061586.D
 Acq: 1 Jun 2020 11:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0601WBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	180662		
111	39.9	19.2	57.6	
148	64.3	31.7	95.1	

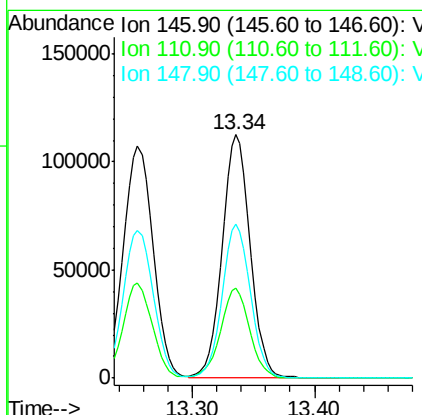
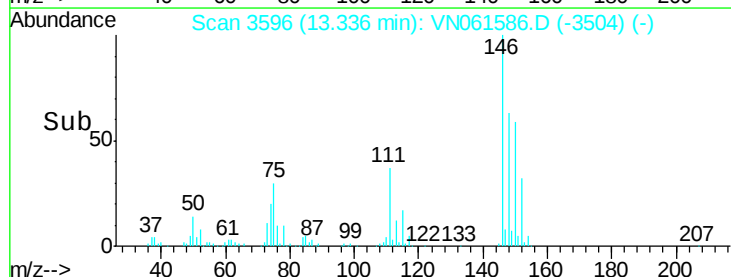
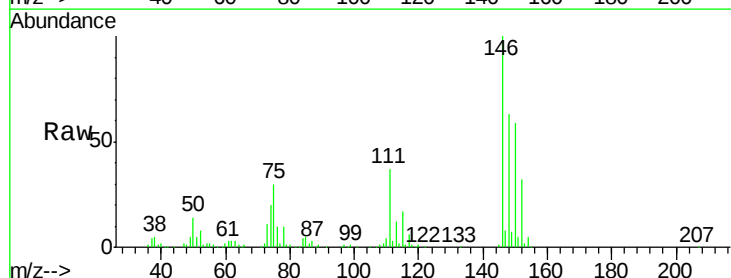
Manual Integrations
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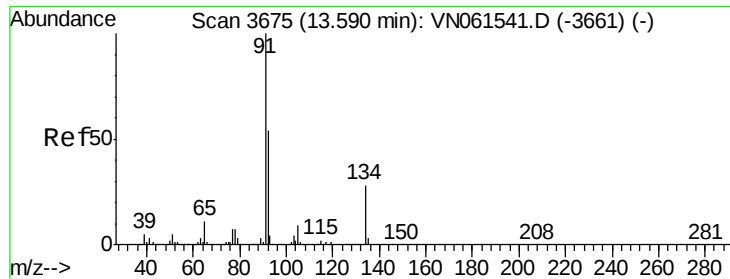
MMDadoda
 6/2/2020 4:01:36 PM



#88
 1,4-Dichlorobenzene
 Concen: 18.821 ug/l
 RT: 13.34 min Scan# 3596
 Delta R.T. -0.00 min
 Lab File: VN061586.D
 Acq: 1 Jun 2020 11:47

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	181047		
111	38.8	18.9	56.9	
148	64.4	31.8	95.3	





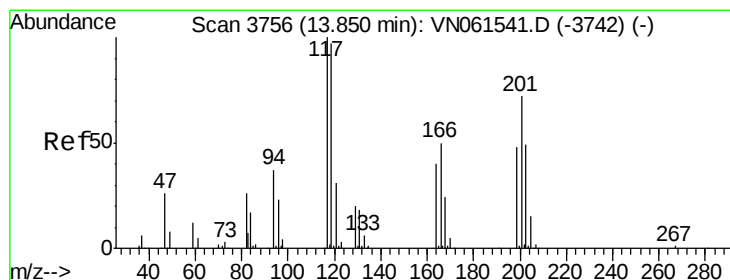
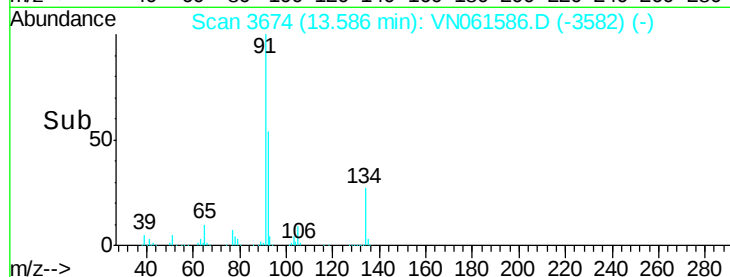
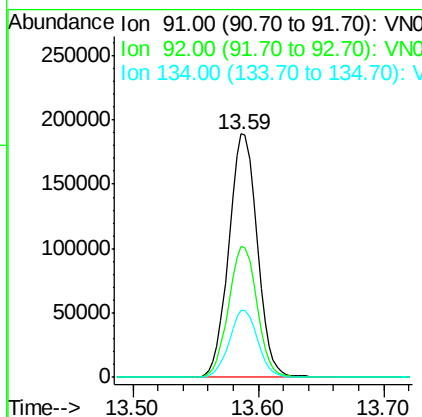
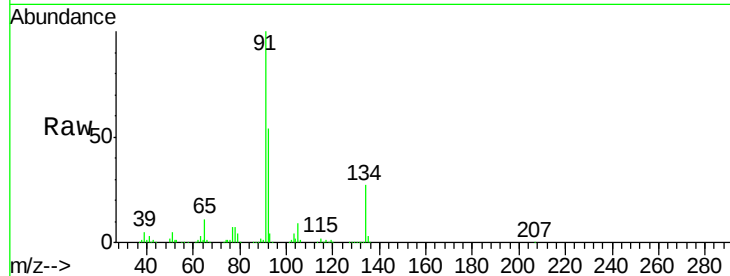
#89
n-Butylbenzene
Concen: 19.446 ug/l
RT: 13.59 min Scan# 3674
Delta R.T. -0.00 min
Lab File: VN061586.D
Acq: 1 Jun 2020 11:47

Instrument :
MSVOA_N
ClientSampled :
VN0601WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.9	27.2	81.6
134	27.4	14.0	42.0

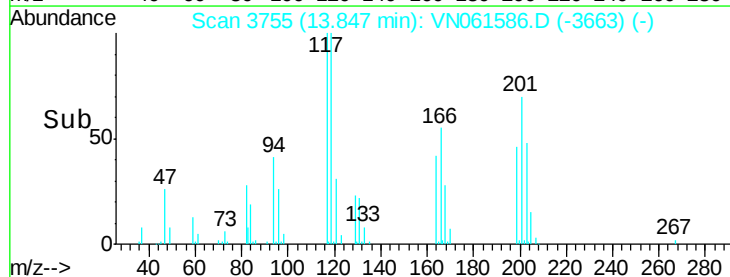
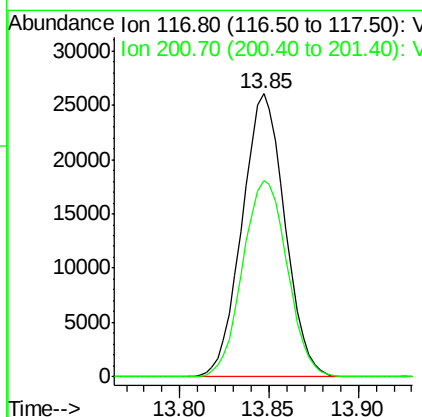
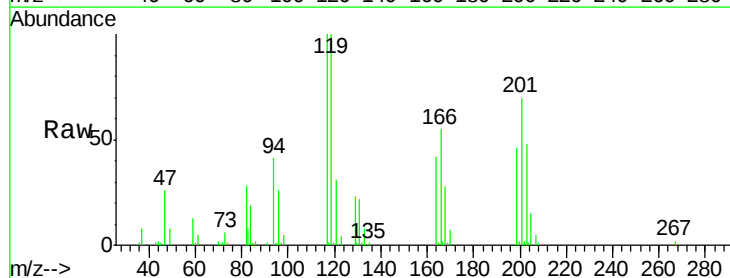
Manual Integrations
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#90
Hexachloroethane
Concen: 21.580 ug/l
RT: 13.85 min Scan# 3755
Delta R.T. -0.00 min
Lab File: VN061586.D
Acq: 1 Jun 2020 11:47

Tgt Ion	Ratio	Lower	Upper
117	100		
201	72.3	36.7	110.1





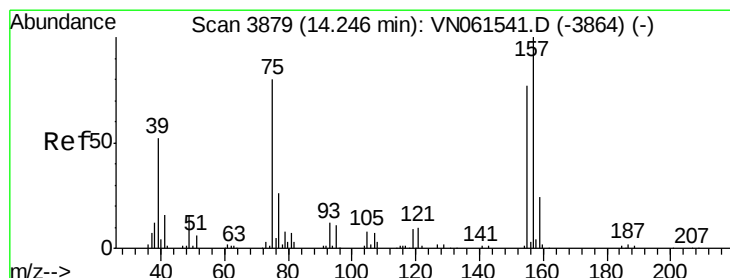
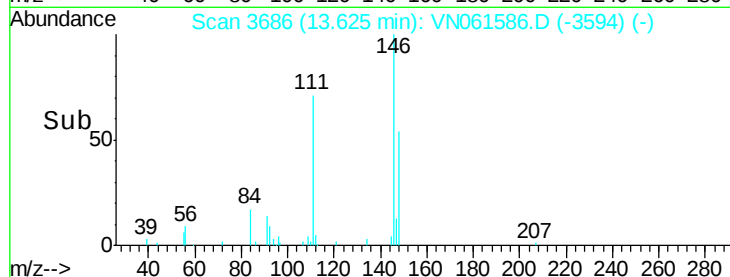
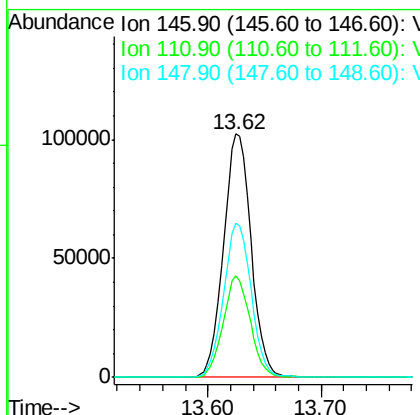
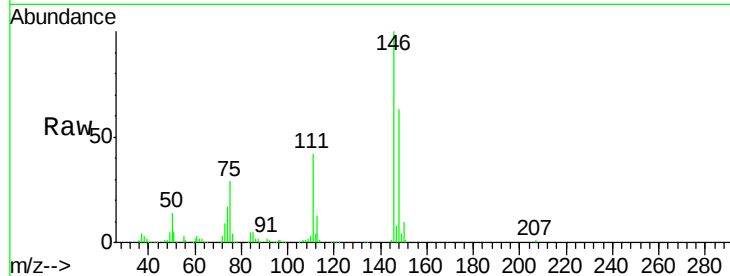
#91
 1,2-Dichlorobenzene
 Concen: 19.294 ug/l
 RT: 13.62 min Scan# 3686
 Delta R.T. -0.00 min
 Lab File: VN061586.D
 Acq: 1 Jun 2020 11:47

Instrument :
 MSVOA_N
 ClientSampled :
 VN0601WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.5	20.1	60.2
148	63.3	31.9	95.5

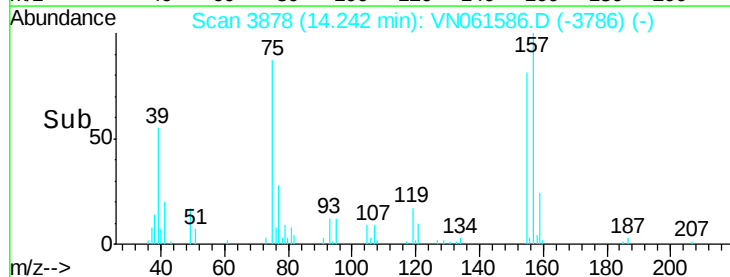
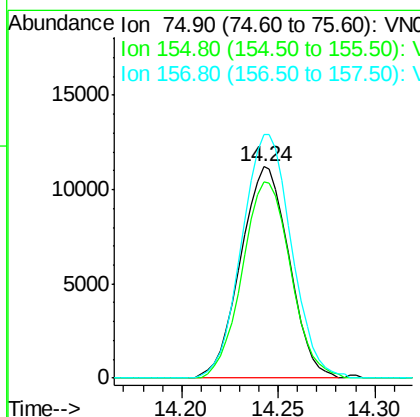
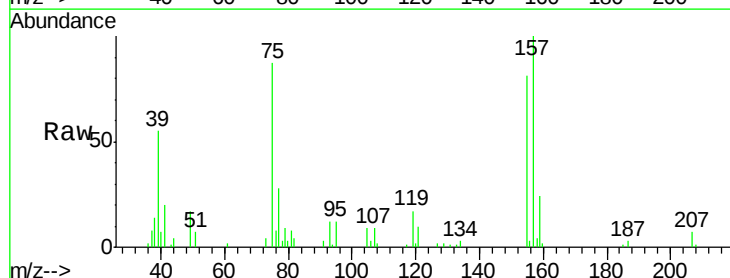
Manual Integrations
 APPROVED

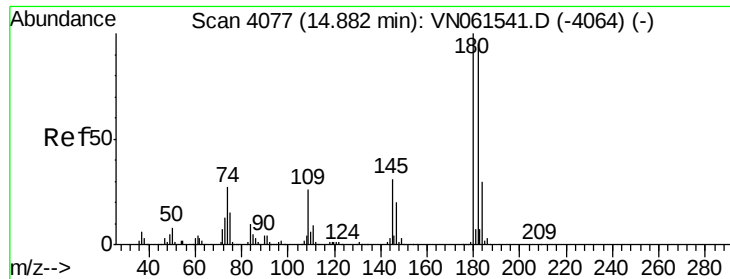
MMDadoda
 6/2/2020 4:01:36 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 16.371 ug/l
 RT: 14.24 min Scan# 3878
 Delta R.T. -0.00 min
 Lab File: VN061586.D
 Acq: 1 Jun 2020 11:47

Tgt Ion	Ratio	Lower	Upper
75	100		
155	92.6	47.1	141.4
157	117.7	60.3	180.8





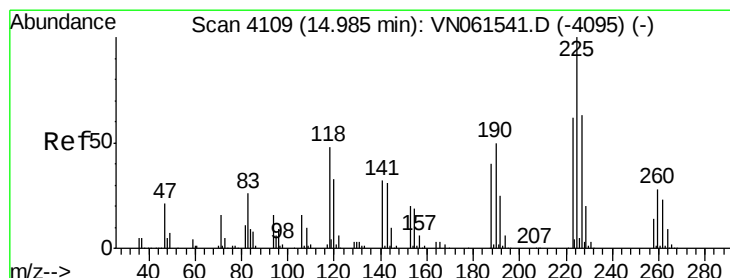
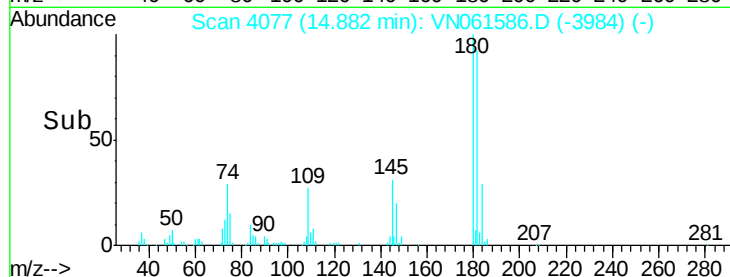
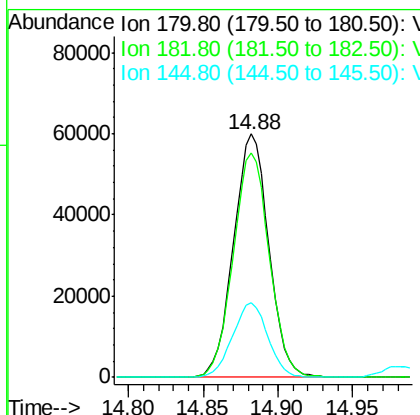
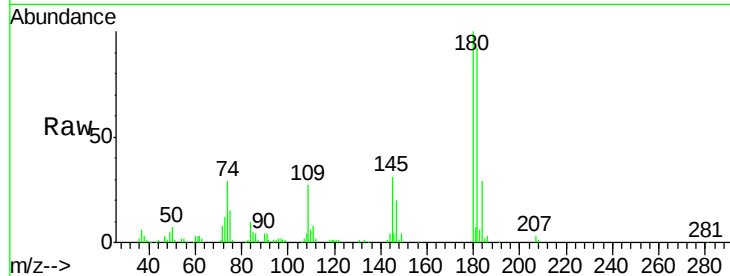
#93
 1,2,4-Trichlorobenzene
 Concen: 18.627 ug/l
 RT: 14.88 min Scan# 4077
 Delta R.T. 0.00 min
 Lab File: VN061586.D
 Acq: 1 Jun 2020 11:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0601WBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.1	47.8	143.3
145	30.7	15.5	46.5

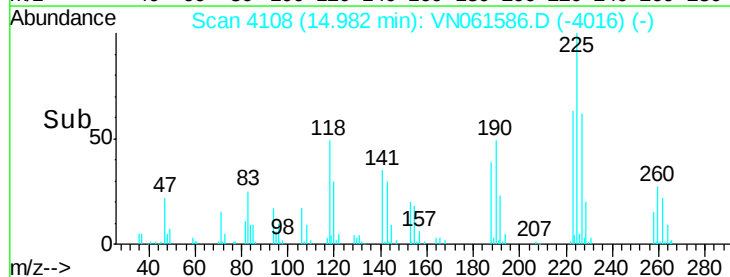
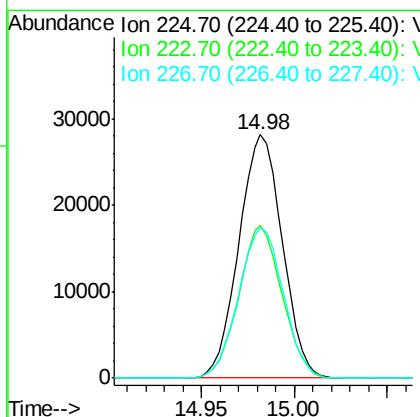
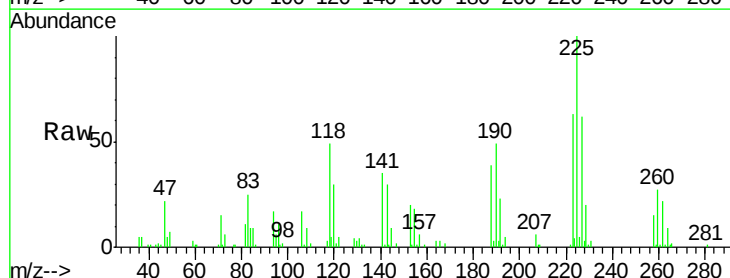
Manual Integrations
 APPROVED

MMDadoda
 6/2/2020 4:01:36 PM



#94
 Hexachlorobutadiene
 Concen: 20.311 ug/l
 RT: 14.98 min Scan# 4108
 Delta R.T. -0.00 min
 Lab File: VN061586.D
 Acq: 1 Jun 2020 11:47

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.3	31.9	95.5
227	63.6	31.9	95.9





#95

Naphthalene

Concen: 16.950 ug/l

RT: 15.10 min Scan# 4146

Delta R.T. 0.00 min

Lab File: VN061586.D

Acq: 1 Jun 2020 11:47

Instrument :

MSVOA_N

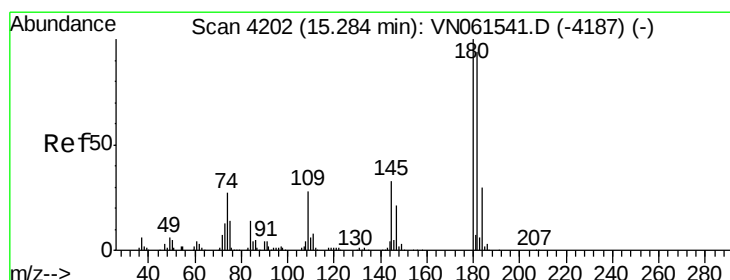
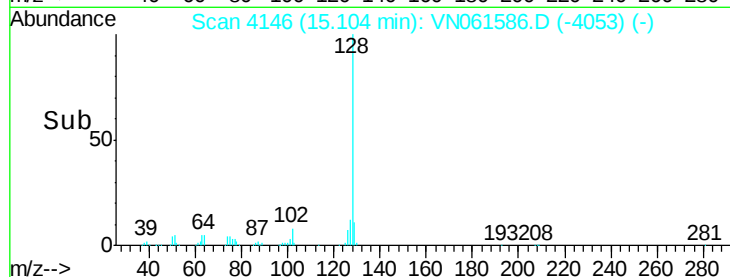
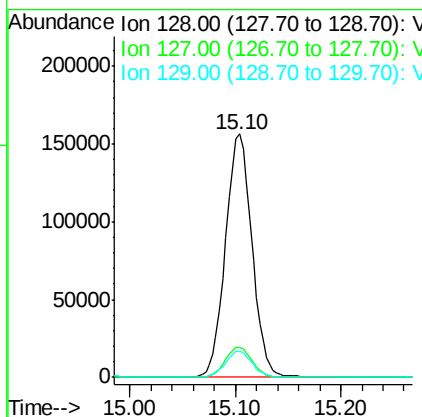
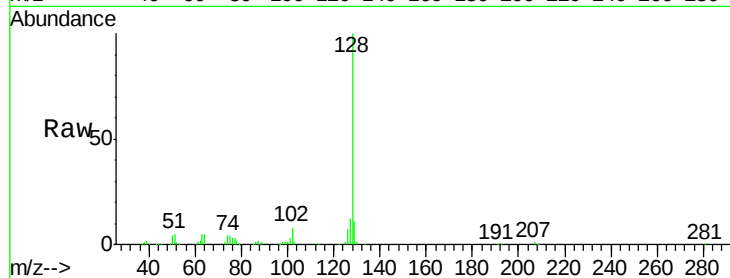
ClientSampleId :

VN0601WBS01

Tot Ion:	128	Resp:	272266
Ion Ratio	Lower	Upper	
128	100		
127	12.5	10.0	15.0
129	10.8	8.5	12.7

Manual Integrations
APPROVED

MMDadoda
6/2/2020 4:01:36 PM



#96

1,2,3-Trichlorobenzene

Concen: 18.558 ug/l

RT: 15.28 min Scan# 4202

Delta R.T. 0.00 min

Lab File: VN061586.D

Acq: 1 Jun 2020 11:47

Tgt Ion:	180	Resp:	96297
Ion Ratio	Lower	Upper	
180	100		
182	94.4	47.1	141.3
145	33.7	16.3	48.9

