

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN042920\
 Data File : VN061183.D
 Acq On : 29 Apr 2020 11:18
 Operator : JC/MD
 Sample : VN0429WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0429WBS01

Manual Integrations
 APPROVED

MMDadoda
 4/30/2020 2:11:16 PM

Quant Time: Apr 29 15:28:03 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042720W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 29 08:14:26 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	104020	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	177928	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	165982	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	78715	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.98	65	79431	48.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.52%	
35) Dibromofluoromethane	7.54	113	52404	49.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.62%	
50) Toluene-d8	10.06	98	210792	49.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.30%	
62) 4-Bromofluorobenzene	12.37	95	77947	48.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.58%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	21879	19.835	ug/l	97
3) Chloromethane	2.03	50	25041	18.744	ug/l	98
4) Vinyl Chloride	2.16	62	28368	18.696	ug/l	99
5) Bromomethane	2.54	94	14005	18.672	ug/l	94
6) Chloroethane	2.67	64	18036	18.753	ug/l	98
7) Trichlorofluoromethane	2.98	101	35552	20.767	ug/l	100
8) Diethyl Ether	3.37	74	13667	19.140	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.71	101	21244	19.263	ug/l	99
10) Methyl Iodide	3.90	142	26570	18.746	ug/l	98
11) Tert butyl alcohol	4.73	59	18895	85.698	ug/l #	86
12) 1,1-Dichloroethene	3.69	96	20498	18.677	ug/l	99
13) Acrolein	3.56	56	10464	71.217	ug/l	93
14) Allyl chloride	4.27	41	41676	20.480	ug/l	97
15) Acrylonitrile	4.92	53	58737	86.783	ug/l	100
16) Acetone	3.77	43	53155	79.742	ug/l	100
17) Carbon Disulfide	4.01	76	57273	18.892	ug/l	100
18) Methyl Acetate	4.27	43	33684	16.671	ug/l	98
19) Methyl tert-butyl Ether	4.98	73	75766	18.067	ug/l	98
20) Methylene Chloride	4.50	84	23672	18.444	ug/l	99
21) trans-1,2-Dichloroethene	4.98	96	22683	18.980	ug/l	96
22) Diisopropyl ether	5.90	45	86184	18.264	ug/l	98
23) Vinyl Acetate	5.84	43	343189	90.323	ug/l	99
24) 1,1-Dichloroethane	5.79	63	46294	18.776	ug/l	98
25) 2-Butanone	6.78	43	81955	84.148	ug/l	99
26) 2,2-Dichloropropane	6.77	77	42018	20.233	ug/l	100
27) cis-1,2-Dichloroethene	6.78	96	26203	18.684	ug/l	99
28) Bromochloromethane	7.15	49	22745	19.463	ug/l	100
29) Tetrahydrofuran	7.16	42	55571	84.703	ug/l	99
30) Chloroform	7.32	83	45702	18.291	ug/l	99
31) Cyclohexane	7.61	56	42948	17.937	ug/l	96
32) 1,1,1-Trichloroethane	7.53	97	40832	18.767	ug/l	99
36) 1,1-Dichloropropene	7.75	75	33529	18.824	ug/l	98
37) Ethyl Acetate	6.88	43	36228	17.350	ug/l	99
38) Carbon Tetrachloride	7.73	117	28270	18.887	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.04	83	37593	18.820	ug/l	98
40) Benzene	8.00	78	99669	18.783	ug/l	100
41) Methacrylonitrile	7.13	41	17250m	19.897	ug/l	
42) 1,2-Dichloroethane	8.08	62	39971	19.883	ug/l	99
43) Isopropyl Acetate	8.12	43	61631	17.785	ug/l	100
44) Trichloroethene	8.80	130	26525	18.491	ug/l	97
45) 1,2-Dichloropropane	9.08	63	26894	18.971	ug/l	99
46) Dibromomethane	9.17	93	16970	19.333	ug/l	98
47) Bromodichloromethane	9.37	83	35875	19.041	ug/l	96
48) Methyl methacrylate	9.16	41	27062	17.306	ug/l	96
49) 1,4-Dioxane	9.16	88	6803	383.250	ug/l	96
51) 4-Methyl-2-Pentanone	9.95	43	179623	88.059	ug/l	100
52) Toluene	10.12	92	60847	19.037	ug/l	99
53) t-1,3-Dichloropropene	10.35	75	40182	18.928	ug/l	98
54) cis-1,3-Dichloropropene	9.81	75	42225	18.814	ug/l	98
55) 1,1,2-Trichloroethane	10.53	97	23899	18.746	ug/l	99
56) Ethyl methacrylate	10.40	69	34990	17.618	ug/l	97
57) 1,3-Dichloropropane	10.68	76	42248	18.853	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.66	63	92303	89.445	ug/l	100
59) 2-Hexanone	10.72	43	129789	87.459	ug/l	99
60) Dibromochloromethane	10.87	129	24795	18.570	ug/l	100
61) 1,2-Dibromoethane	10.98	107	23642	18.502	ug/l	97
64) Tetrachloroethene	10.60	164	27111	18.859	ug/l	97
65) Chlorobenzene	11.40	112	61749	18.754	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.48	131	22664	19.232	ug/l	99
67) Ethyl Benzene	11.48	91	117875	19.124	ug/l	99
68) m/p-Xylenes	11.59	106	86184	38.201	ug/l	100
69) o-Xylene	11.92	106	39928	18.425	ug/l	96
70) Styrene	11.94	104	66214	18.256	ug/l	98
71) Bromoform	12.10	173	16048	18.529	ug/l #	99
73) Isopropylbenzene	12.22	105	110033	19.015	ug/l	99
74) N-amyl acetate	12.04	43	51207	17.475	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.48	83	34339	19.031	ug/l	99
76) 1,2,3-Trichloropropane	12.53	75	32803m	19.767	ug/l	
77) Bromobenzene	12.50	156	25754	19.279	ug/l	99
78) n-propylbenzene	12.56	91	132850	19.355	ug/l	100
79) 2-Chlorotoluene	12.65	91	78265	19.400	ug/l	100
80) 1,3,5-Trimethylbenzene	12.71	105	93418	19.505	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.27	75	11775	18.019	ug/l	98
82) 4-Chlorotoluene	12.75	91	81235	19.105	ug/l	99
83) tert-Butylbenzene	12.97	119	76481	18.938	ug/l	99
84) 1,2,4-Trimethylbenzene	13.01	105	94480	19.147	ug/l	100
85) sec-Butylbenzene	13.15	105	107079	19.448	ug/l	100
86) p-Isopropyltoluene	13.26	119	95468	19.244	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	46083	18.739	ug/l	98
88) 1,4-Dichlorobenzene	13.34	146	46385	18.461	ug/l	98
89) n-Butylbenzene	13.59	91	87334	19.204	ug/l	99
90) Hexachloroethane	13.85	117	8744	21.947	ug/l	100
91) 1,2-Dichlorobenzene	13.63	146	44261	18.771	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.25	75	6844	17.959	ug/l	96

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ClientSampleId :
VN0429WBS01

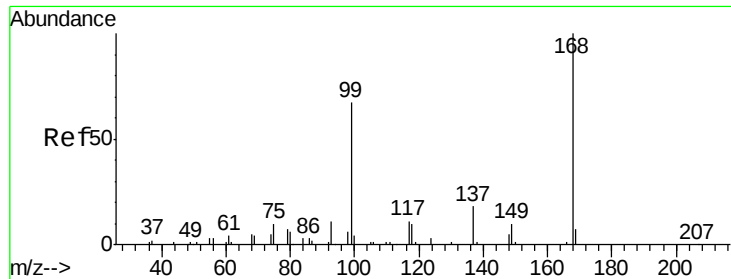
Manual Integrations
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	26909	18.741	ug/l	97
94) Hexachlorobutadiene	14.98	225	12168	20.285	ug/l	99
95) Naphthalene	15.10	128	79933	17.094	ug/l	100
96) 1,2,3-Trichlorobenzene	15.28	180	25935	18.295	ug/l	100

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



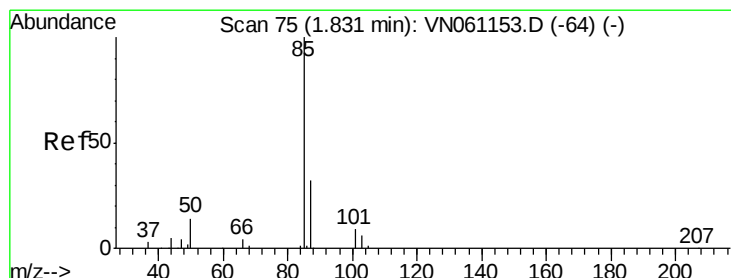
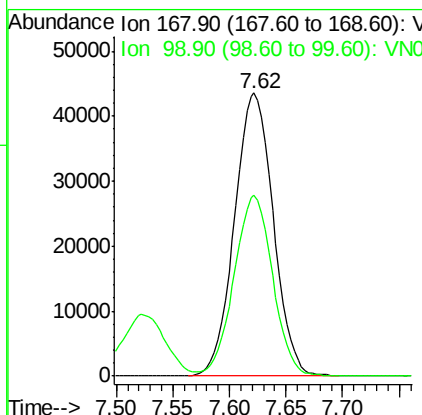
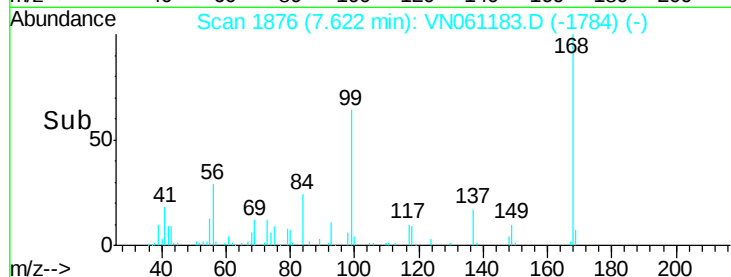
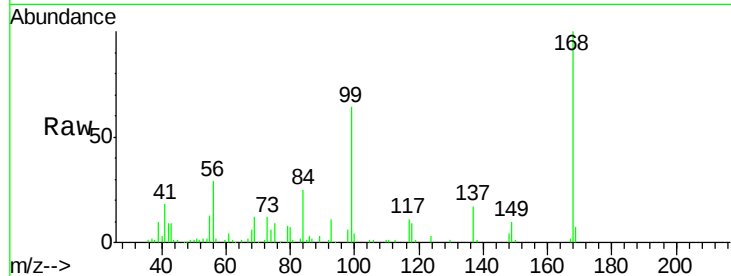
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.62 min Scan# 1876
Delta R.T. -0.00 min
Lab File: VN061183.D
Acq: 29 Apr 2020 11:18

Instrument :
MSVOA_N
ClientSampleId :
VN0429WBS01

Tot Ion	Ion	Ratio	Lower	Upper
168	100			
99	63.8	51.2	76.8	

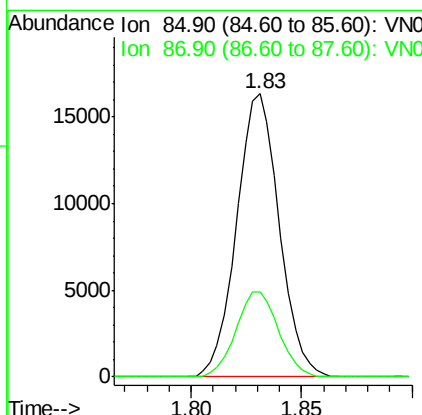
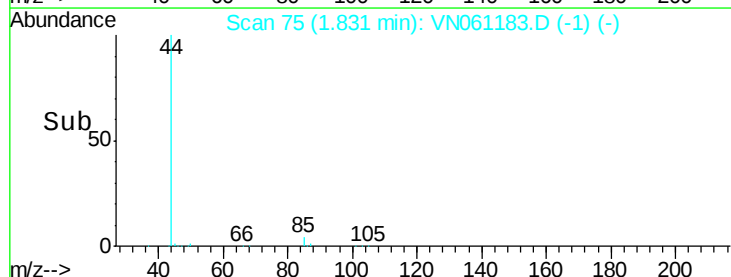
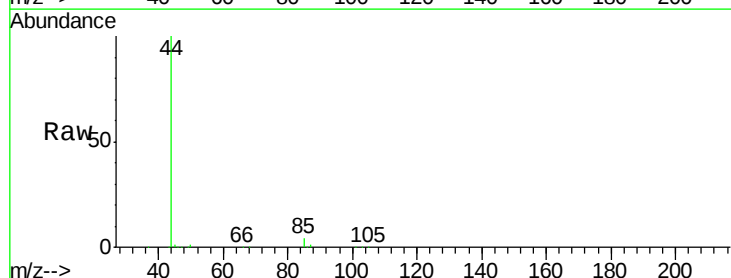
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#2
Dichlorodifluoromethane
Concen: 19.835 ug/l
RT: 1.83 min Scan# 75
Delta R.T. 0.00 min
Lab File: VN061183.D
Acq: 29 Apr 2020 11:18

Tgt Ion	Ion	Ratio	Lower	Upper
85	100			
87	30.2	16.1	48.2	





#3

Chloromethane

Concen: 18.744 ug/l

RT: 2.03 min Scan# 137

Delta R.T. 0.00 min

Lab File: VN061183.D

Acq: 29 Apr 2020 11:18

Instrument :

MSVOA_N

ClientSampleId :

VN0429WBS01

Tot Ion: 50 Resp: 25041

Ion Ratio Lower Upper

50 100

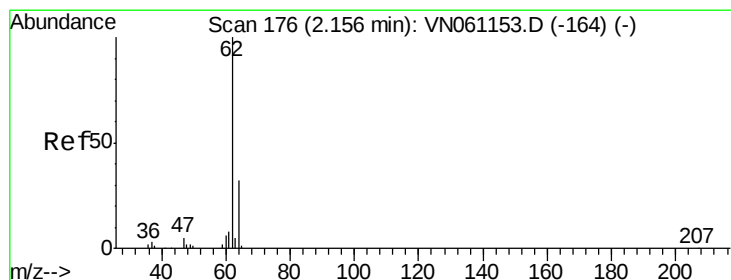
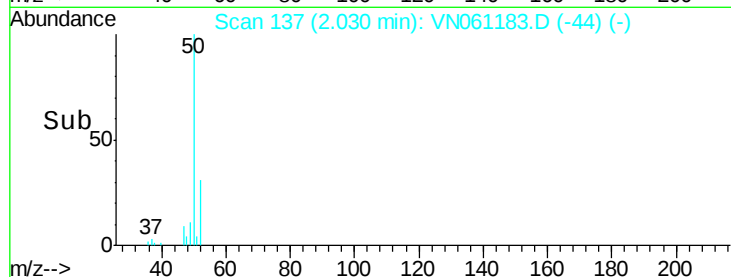
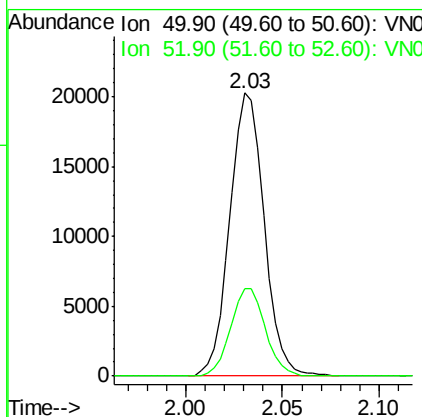
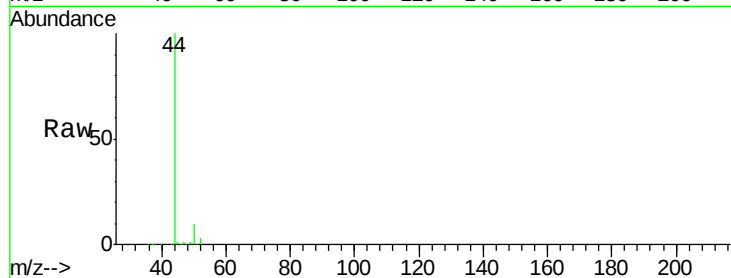
52 31.1 26.0 39.0

Manual Integrations

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#4

Vinyl Chloride

Concen: 18.696 ug/l

RT: 2.16 min Scan# 176

Delta R.T. 0.00 min

Lab File: VN061183.D

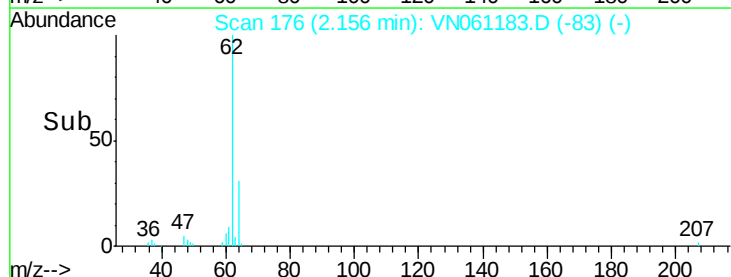
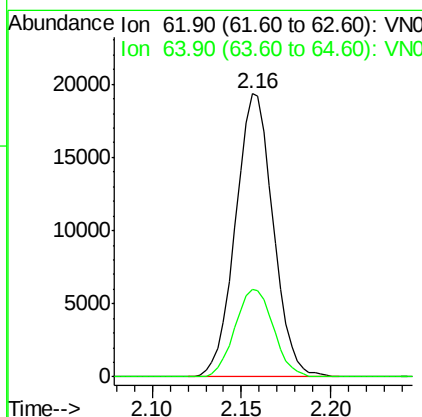
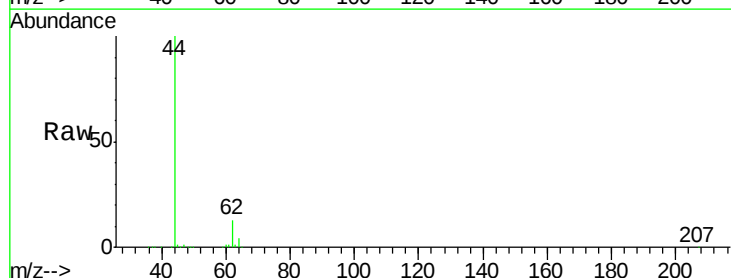
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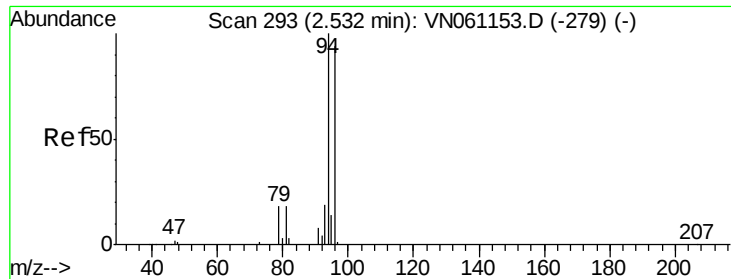
Tgt Ion: 62 Resp: 28368

Ion Ratio Lower Upper

62 100

64 30.9 25.2 37.8





#5

Bromomethane

Concen: 18.672 ug/l

RT: 2.54 min Scan# 295

Delta R.T. 0.01 min

Lab File: VN061183.D

Acq: 29 Apr 2020 11:18

Instrument :

MSVOA_N

ClientSampleId :

VN0429WBS01

Tot Ion: 94 Resp: 14005

Ion Ratio Lower Upper

94 100

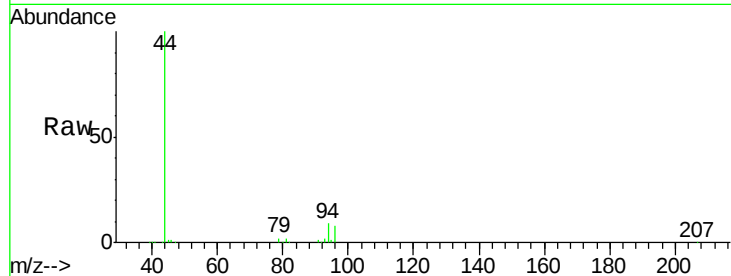
96 88.5 75.1 112.7

Manual Integrations

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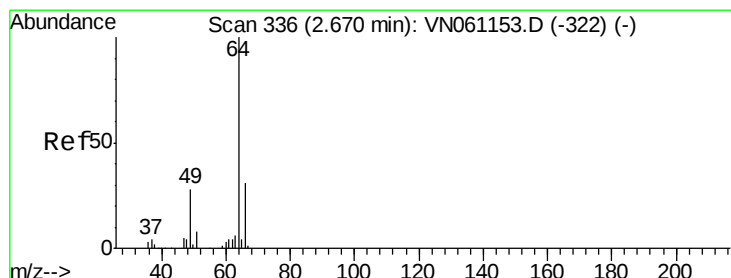
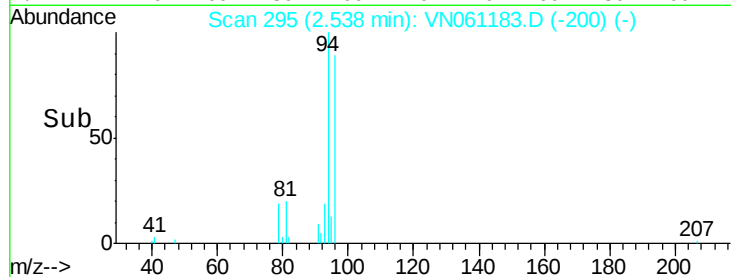
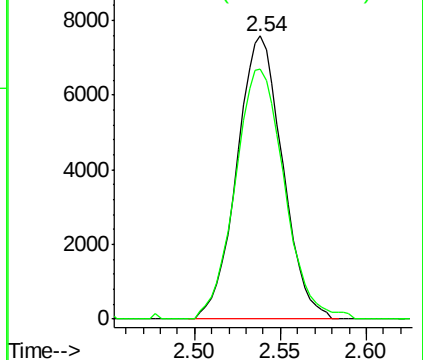
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 18.753 ug/l

RT: 2.67 min Scan# 336

Delta R.T. 0.00 min

Lab File: VN061183.D

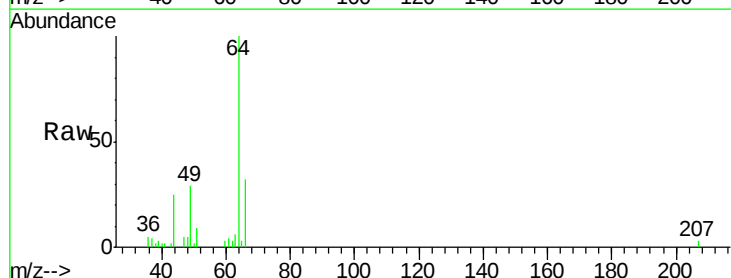
Acq: 29 Apr 2020 11:18

Tgt Ion: 64 Resp: 18036

Ion Ratio Lower Upper

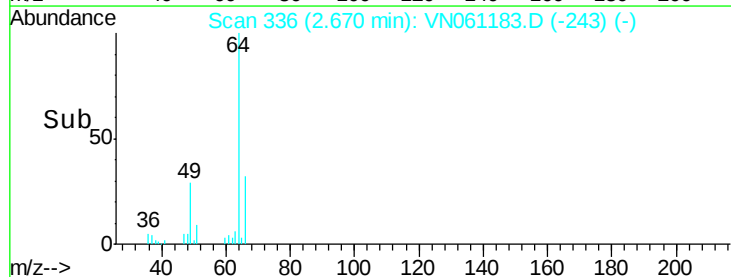
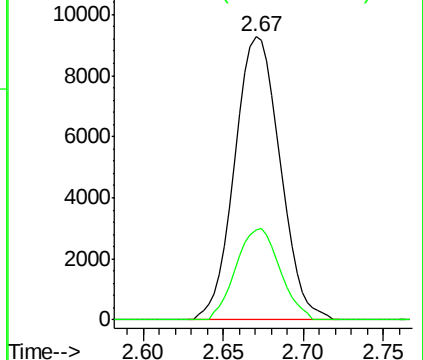
64 100

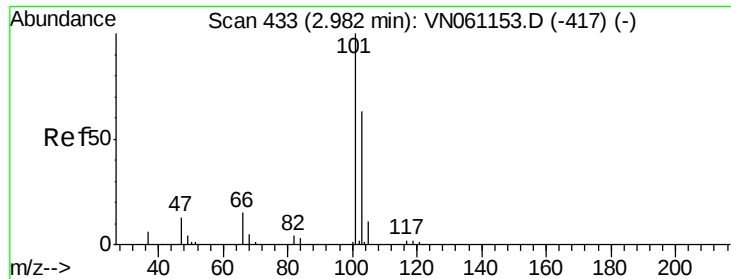
66 31.9 24.6 36.8



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

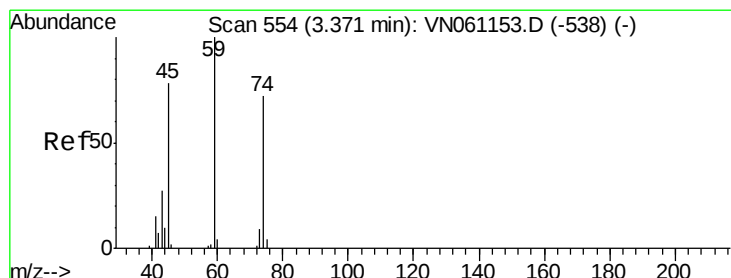
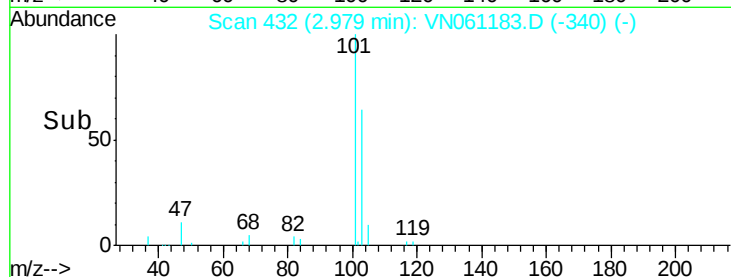
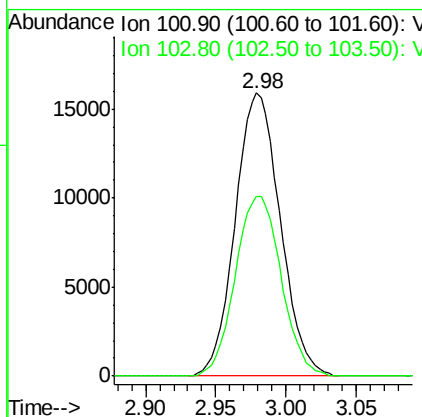
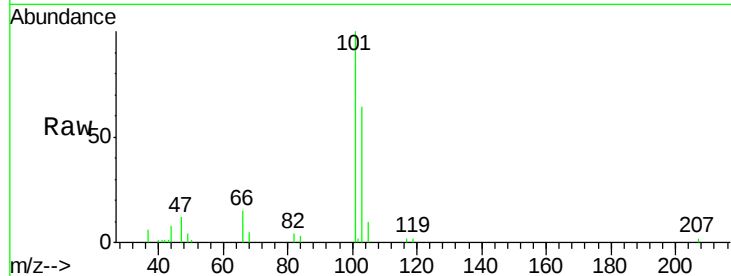
Trichlorofluoromethane
 Concen: 20.767 ug/l
 RT: 2.98 min Scan# 432
 Delta R.T. -0.00 min
 Lab File: VN061183.D
 Acq: 29 Apr 2020 11:18

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Tot Ion	Ratio	Lower	Upper
101	100		
103	63.7	50.6	76.0

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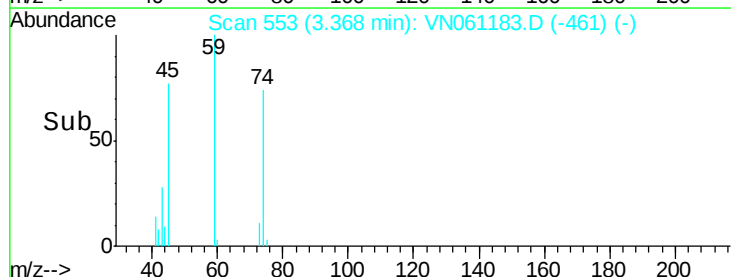
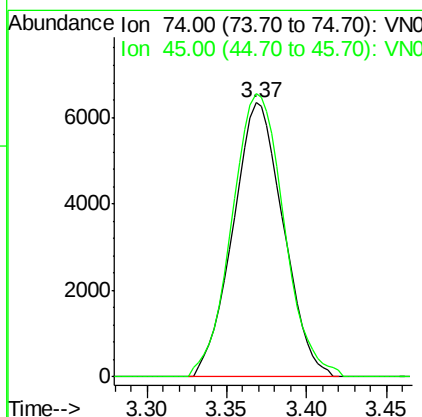
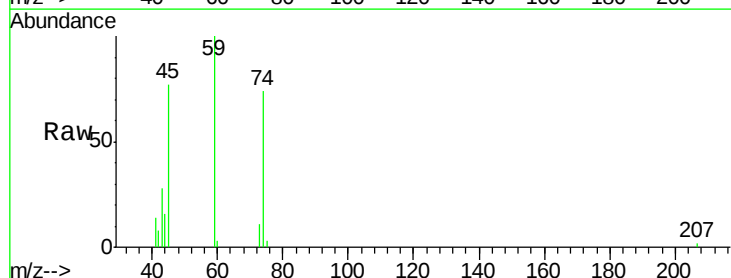
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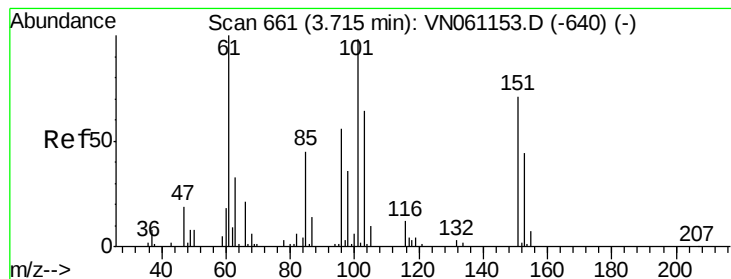


#8

Diethyl Ether
 Concen: 19.140 ug/l
 RT: 3.37 min Scan# 553
 Delta R.T. -0.00 min
 Lab File: VN061183.D
 Acq: 29 Apr 2020 11:18

Tgt Ion	Ratio	Lower	Upper
74	100		
45	106.8	53.3	160.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.263 ug/l

RT: 3.71 min Scan# 660

Delta R.T. -0.00 min

Lab File: VN061183.D

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Instrument :

MSVOA_N

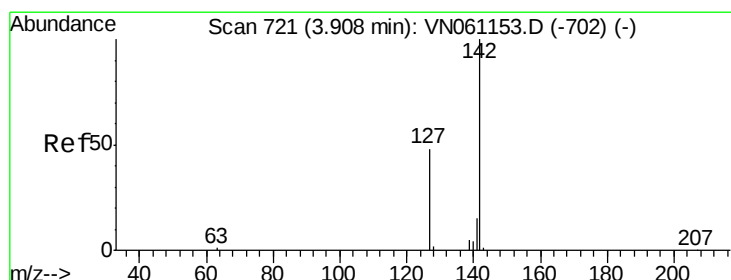
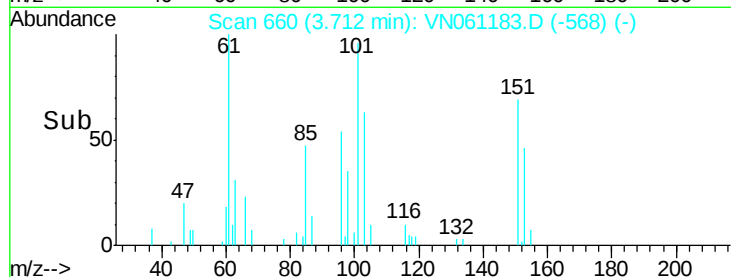
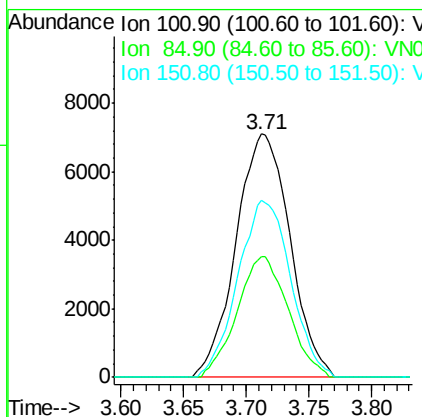
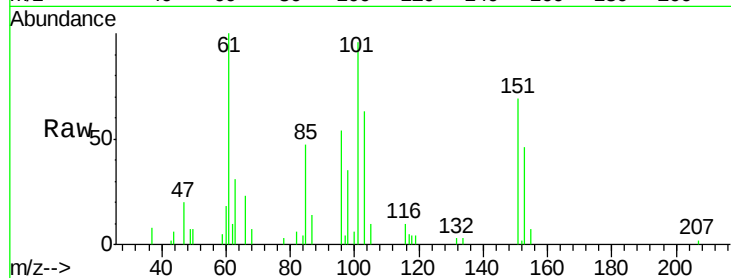
ClientSampleId :

VN0429WBS01

Tot Ion:	101	Resp:	21244
Ion Ratio	Lower	Upper	
101	100		
85	47.0	37.2	55.8
151	71.2	57.7	86.5

Manual Integrations
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#10

Methyl Iodide

Concen: 18.746 ug/l

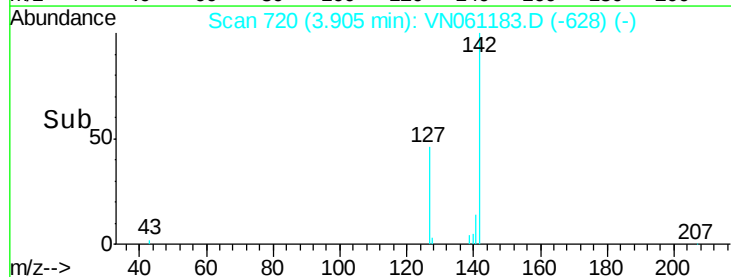
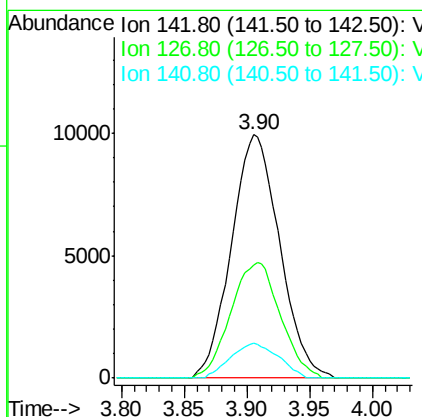
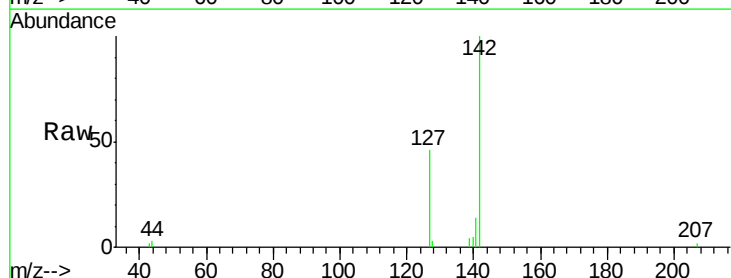
RT: 3.90 min Scan# 720

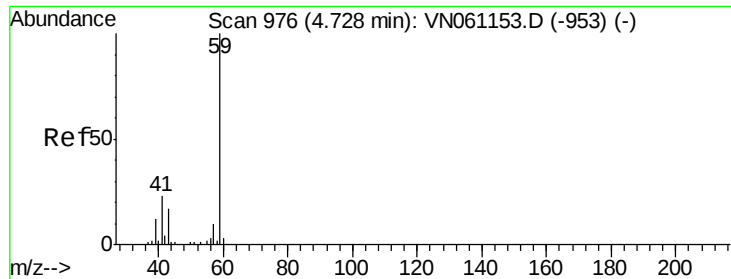
Delta R.T. -0.00 min

Lab File: VN061183.D

Acq: 29 Apr 2020 11:18

Tgt Ion:	142	Resp:	26570
Ion Ratio	Lower	Upper	
142	100		
127	48.9	38.0	57.0
141	14.2	11.7	17.5





#11

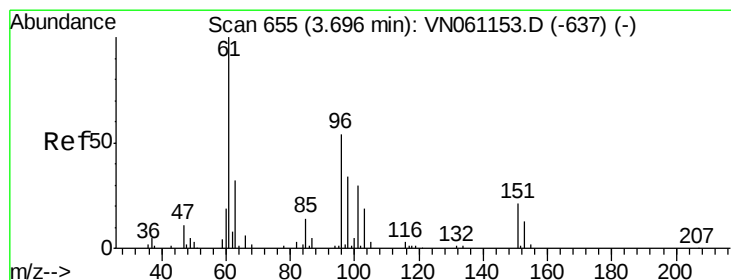
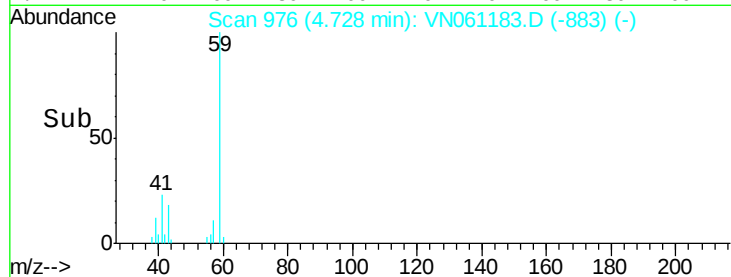
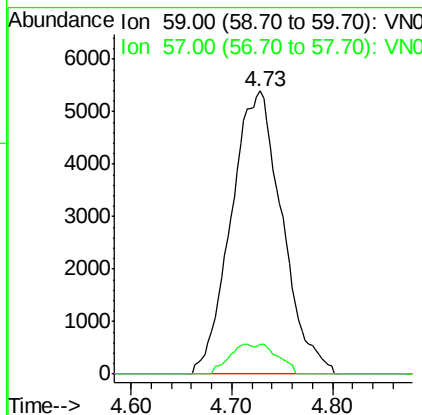
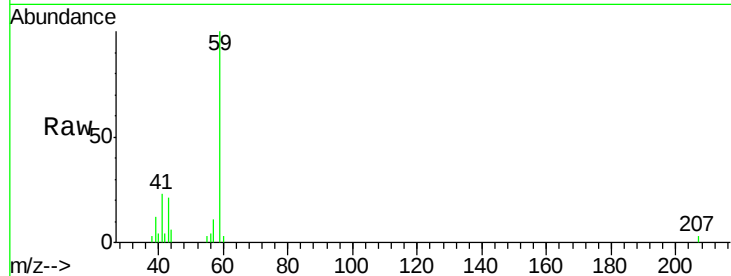
Tert butyl alcohol
Concen: 85.698 ug/l
RT: 4.73 min Scan# 976
Delta R.T. 0.00 min
Lab File: VN061183.D
Acq: 29 Apr 2020 11:18

Instrument :
MSVOA_N
ClientSampleId :
VN0429WBS01

Tot Ion	59	Ratio	Lower	Upper
59	100			
57	5.2		8.3	12.5#

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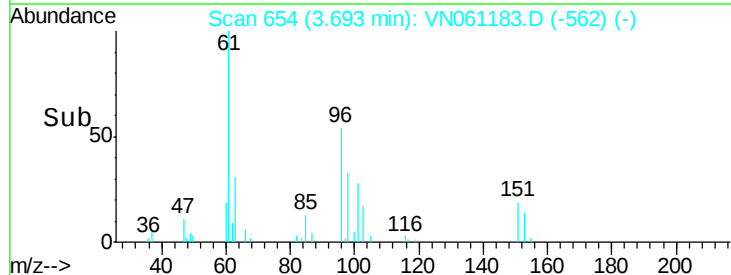
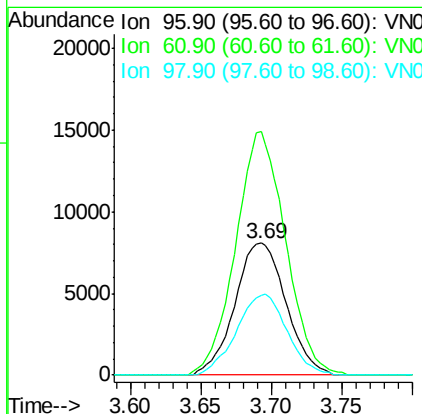
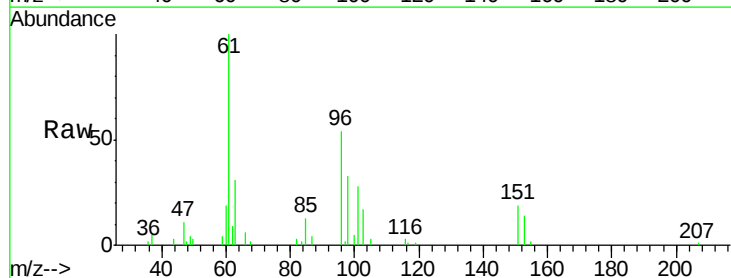
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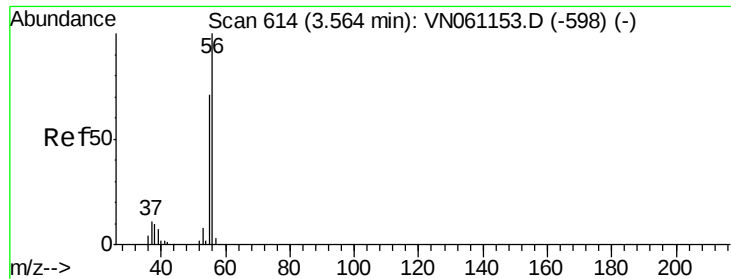


#12

1,1-Dichloroethene
Concen: 18.677 ug/l
RT: 3.69 min Scan# 654
Delta R.T. -0.00 min
Lab File: VN061183.D
Acq: 29 Apr 2020 11:18

Tgt Ion	96	Ratio	Lower	Upper
96	100			
61	184.2		147.0	220.6
98	60.6		49.8	74.6





#13

Acrolein

Concen: 71.217 ug/l

RT: 3.56 min Scan# 614

Delta R.T. 0.00 min

Lab File: VN061183.D

Acq: 29 Apr 2020 11:18

Instrument :

MSVOA_N

ClientSampleId :

VN0429WBS01

Tot Ion: 56 Resp: 10464

Ion Ratio Lower Upper

56 100

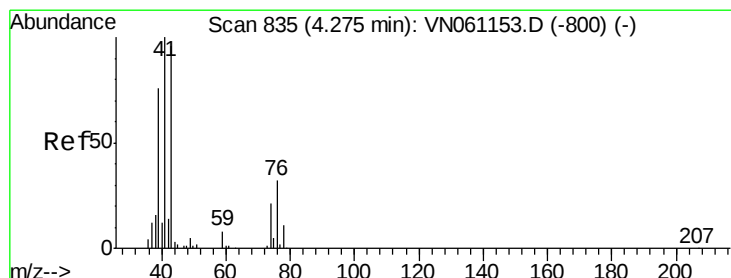
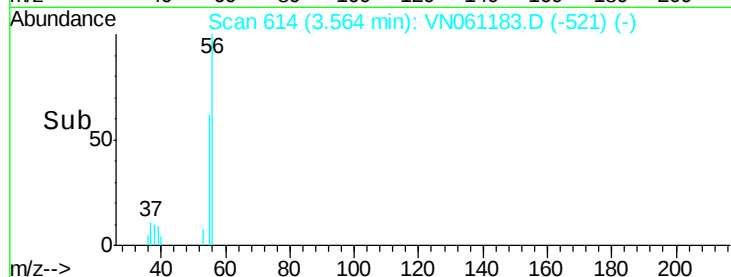
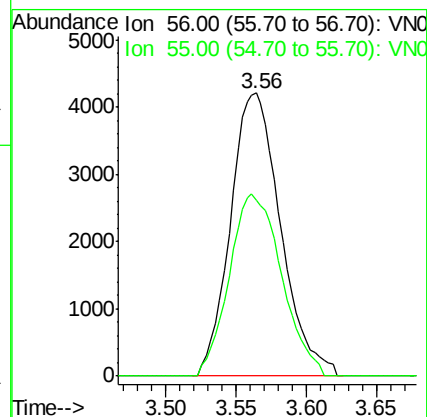
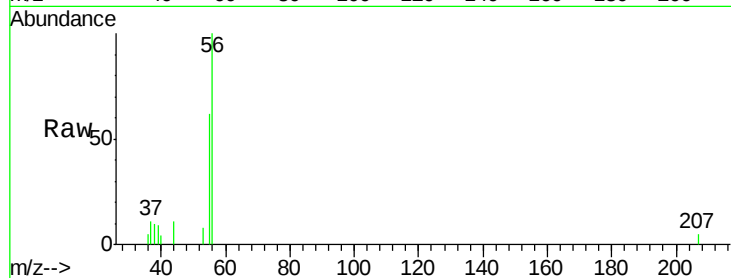
55 67.1 58.5 87.7

Manual Integrations

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4/30/2020 2:11:16 PM



#14

Allyl chloride

Concen: 20.480 ug/l

RT: 4.27 min Scan# 834

Delta R.T. -0.00 min

Lab File: VN061183.D

Acq: 29 Apr 2020 11:18

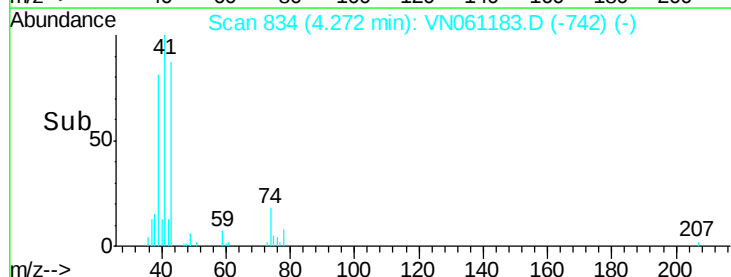
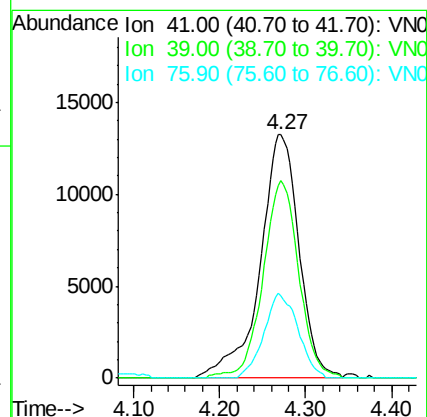
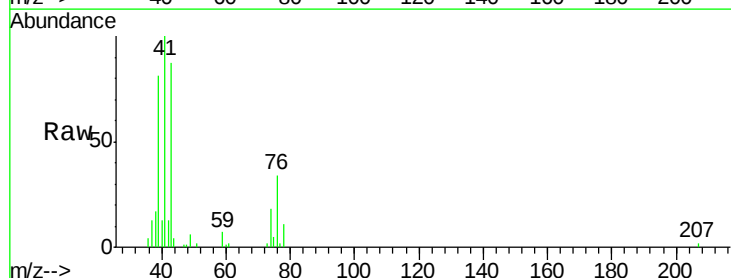
Tgt Ion: 41 Resp: 41676

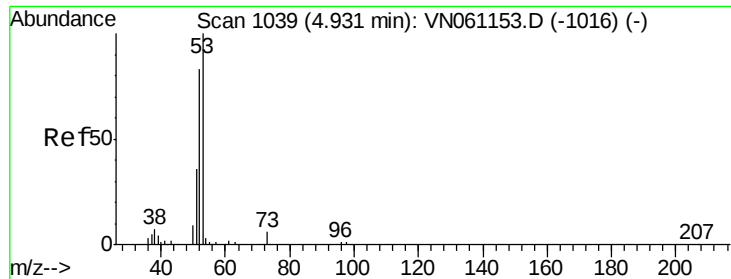
Ion Ratio Lower Upper

41 100

39 74.4 57.1 85.7

76 30.6 24.3 36.5





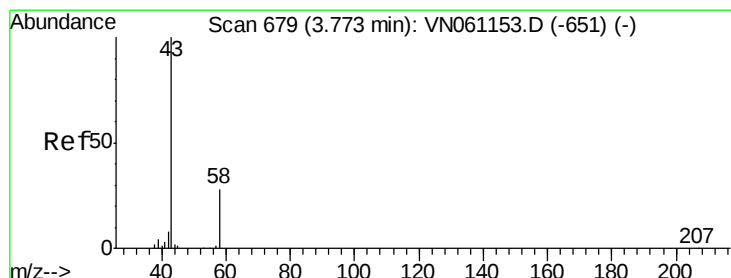
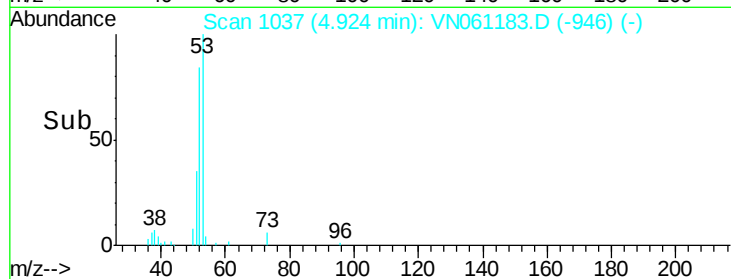
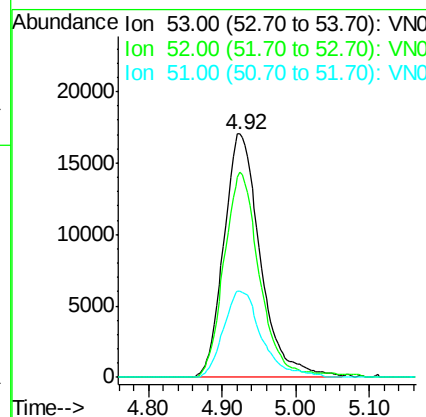
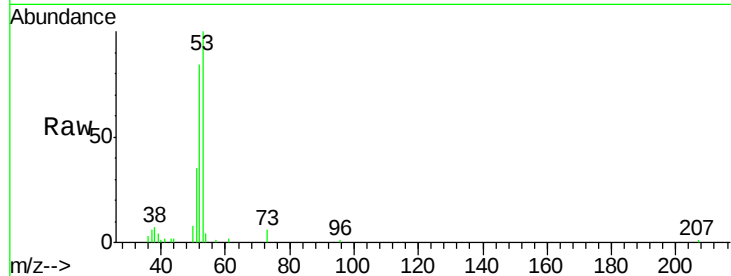
#15
 Acrylonitrile
 Concen: 86.783 ug/l
 RT: 4.92 min Scan# 1037
 Delta R.T. -0.01 min
 Lab File: VN061183.D
 Acq: 29 Apr 2020 11:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0429WBS01

Tot Ion:	53	Resp:	58737
Ion Ratio	Lower	Upper	
53	100		
52	81.5	65.4	98.0
51	37.1	29.5	44.3

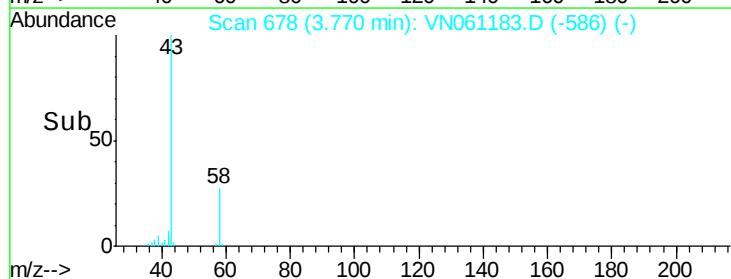
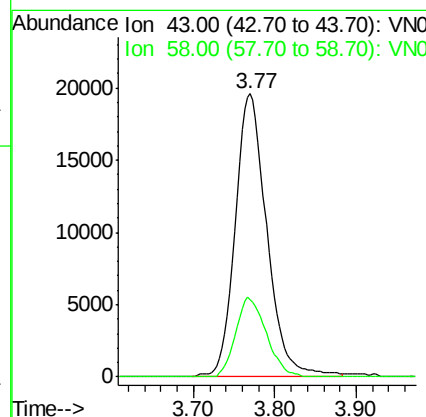
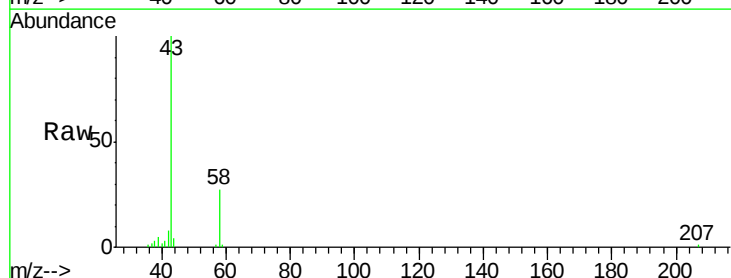
Manual Integrations
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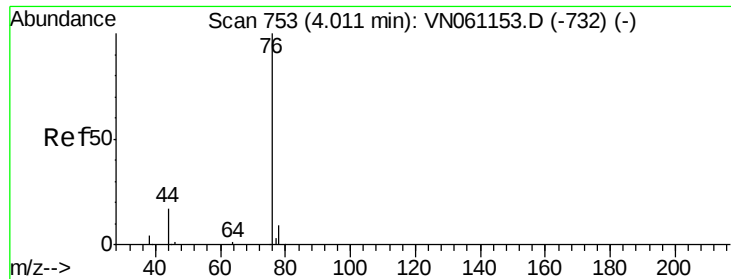
MMDadoda
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#16
 Acetone
 Concen: 79.742 ug/l
 RT: 3.77 min Scan# 678
 Delta R.T. -0.00 min
 Lab File: VN061183.D
 Acq: 29 Apr 2020 11:18

Tgt Ion:	43	Resp:	53155
Ion Ratio	Lower	Upper	
43	100		
58	27.5	22.2	33.2





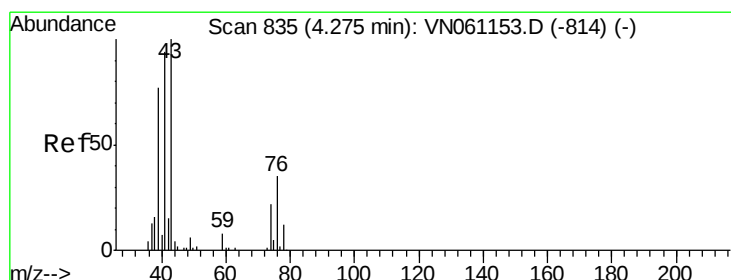
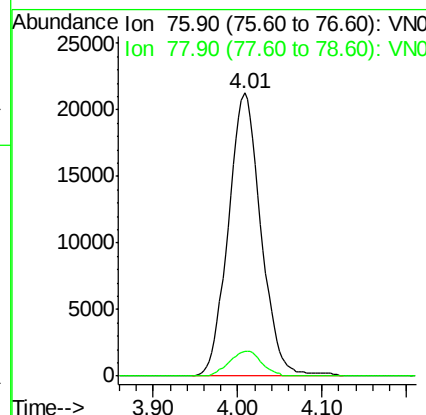
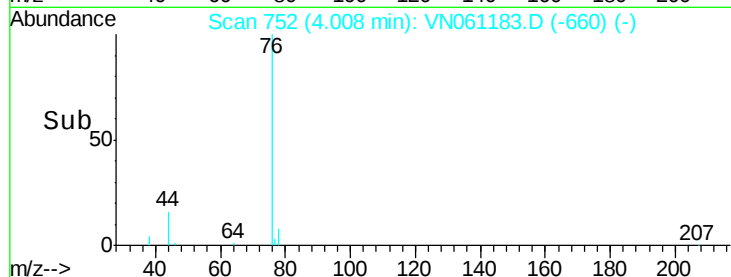
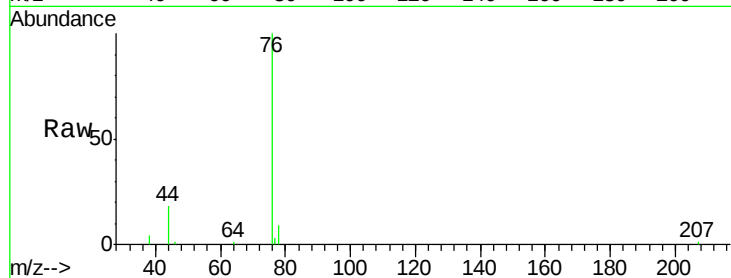
#17
Carbon Disulfide
Concen: 18.892 ug/l
RT: 4.01 min Scan# 752
Delta R.T. -0.00 min
Lab File: VN061183.D
Acq: 29 Apr 2020 11:18

Instrument :
MSVOA_N
ClientSampleId :
VN0429WBS01

Tot Ion: 76 Resp: 57273
Ion Ratio Lower Upper
76 100
78 8.9 7.2 10.8

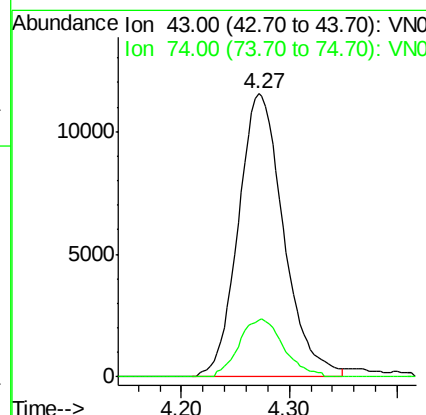
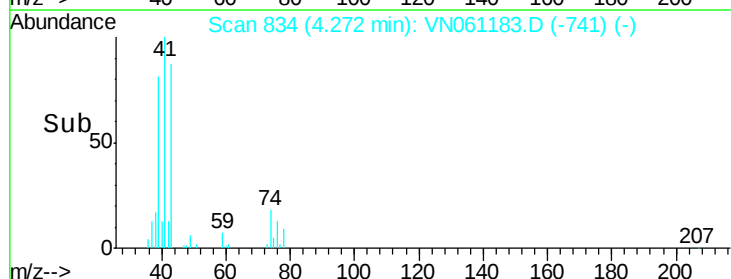
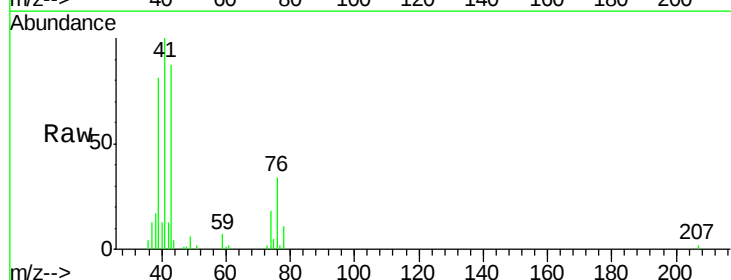
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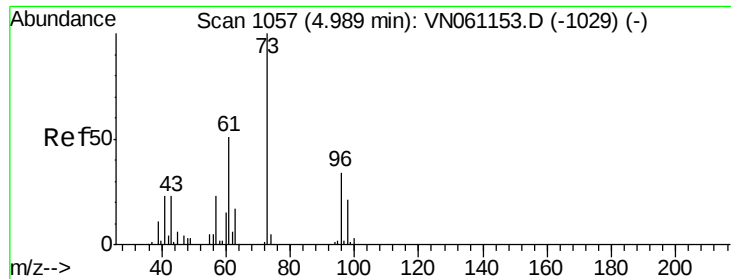
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4/30/2020 2:11:16 PM



#18
Methyl Acetate
Concen: 16.671 ug/l
RT: 4.27 min Scan# 834
Delta R.T. -0.00 min
Lab File: VN061183.D
Acq: 29 Apr 2020 11:18

Tgt Ion: 43 Resp: 33684
Ion Ratio Lower Upper
43 100
74 20.1 17.0 25.4





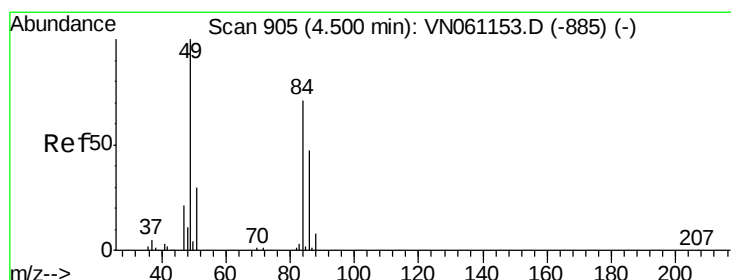
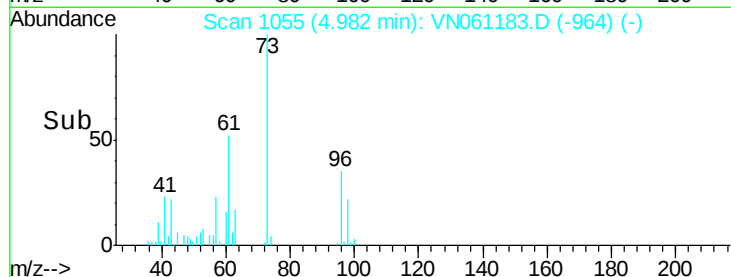
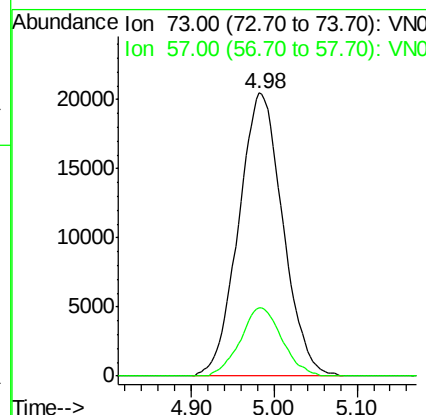
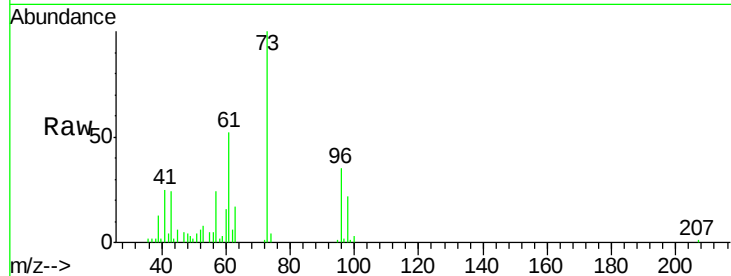
#19
Methvl tert-butvl Ether
Concen: 18.067 ug/l
RT: 4.98 min Scan# 1055
Delta R.T. -0.01 min
Lab File: VN061183.D
Acq: 29 Apr 2020 11:18

Instrument :
MSVOA_N
ClientSampleId :
VN0429WBS01

Tot Ion: 73 Resp: 75766
Ion Ratio Lower Upper
73 100
57 24.0 18.3 27.5

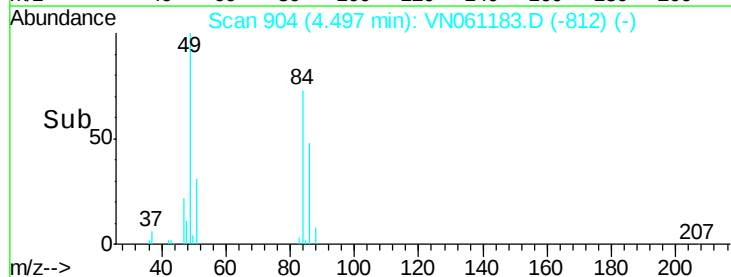
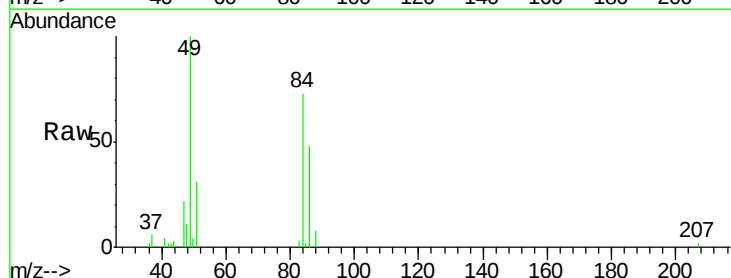
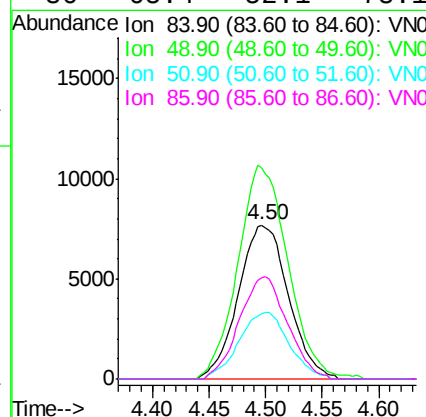
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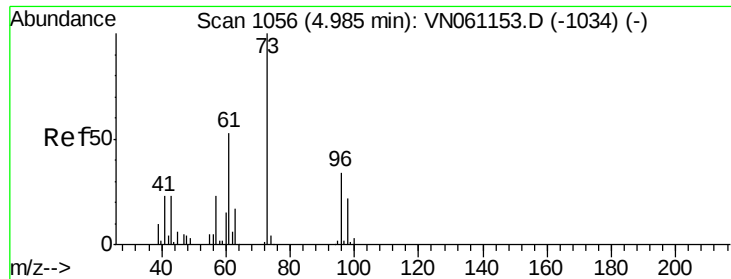
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#20
Methylene Chloride
Concen: 18.444 ug/l
RT: 4.50 min Scan# 904
Delta R.T. -0.00 min
Lab File: VN061183.D
Acq: 29 Apr 2020 11:18

Tgt Ion: 84 Resp: 23672
Ion Ratio Lower Upper
84 100
49 137.2 112.0 168.0
51 42.4 33.6 50.4
86 65.4 52.1 78.1





#21

trans-1,2-Dichloroethene

Concen: 18.980 ug/l

RT: 4.98 min Scan# 1055

Delta R.T. -0.00 min

Lab File: VN061183.D

Acq: 29 Apr 2020 11:18

Instrument :

MSVOA_N

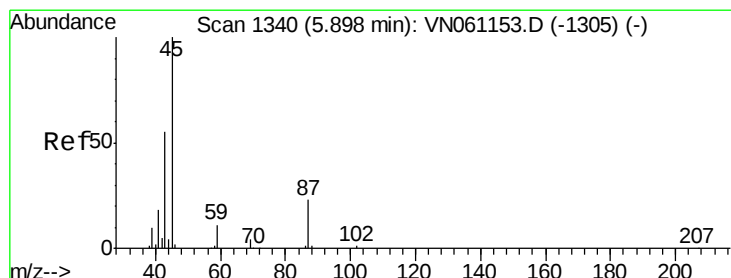
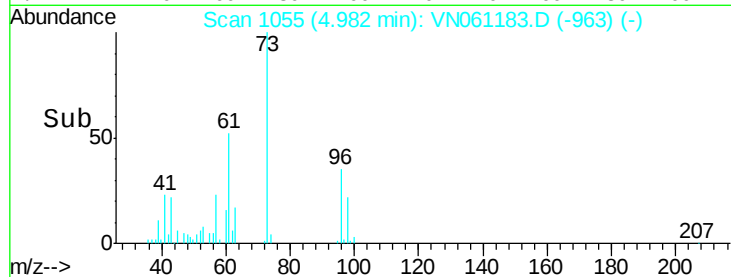
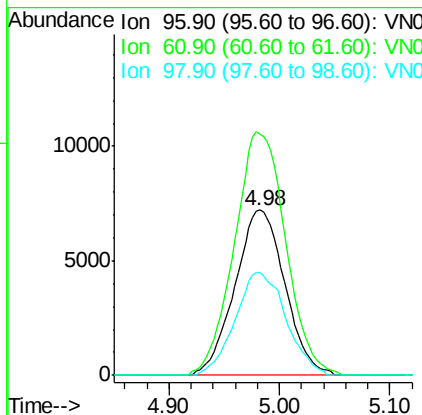
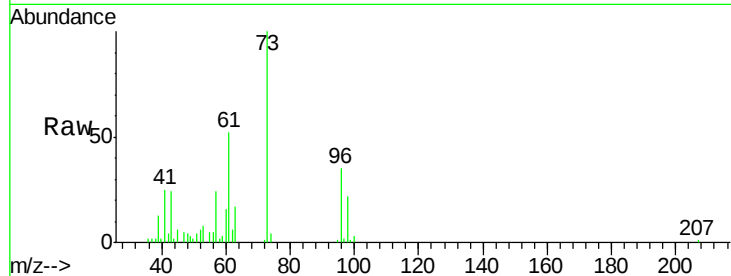
ClientSampled :

VN0429WBS01

Tot Ion:	96	Resp:	22683
Ion	Ratio	Lower	Upper
96	100		
61	146.0	123.0	184.4
98	62.0	50.1	75.1

Manual Integrations
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#22

Diisopropyl ether

Concen: 18.264 ug/l

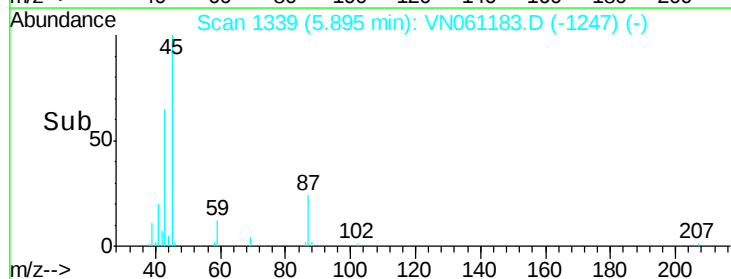
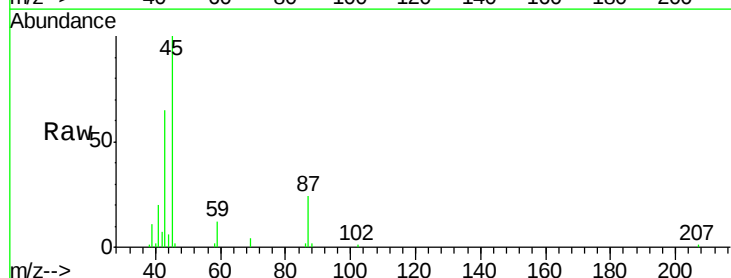
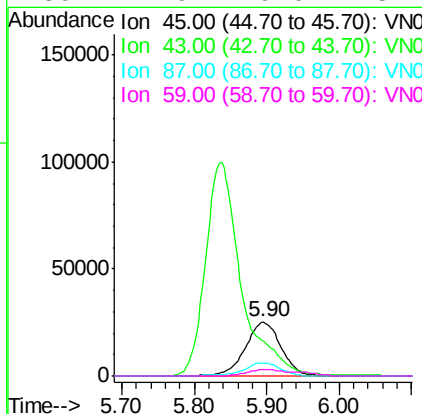
RT: 5.90 min Scan# 1339

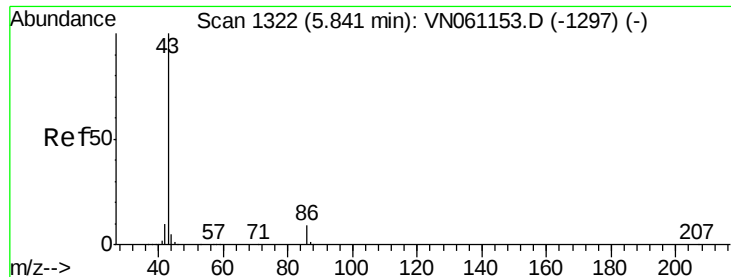
Delta R.T. -0.00 min

Lab File: VN061183.D

Acq: 29 Apr 2020 11:18

Tgt Ion:	45	Resp:	86184
Ion	Ratio	Lower	Upper
45	100		
43	62.5	47.9	71.9
87	24.2	19.2	28.8
59	11.9	9.0	13.4





#23

Vinyl Acetate

Concen: 90.323 ug/l

RT: 5.84 min Scan# 1321

Delta R.T. -0.00 min

Lab File: VN061183.D

Acq: 29 Apr 2020 11:18

Instrument :

MSVOA_N

ClientSampleId :

VN0429WBS01

Tot Ion: 43 Resp: 343189

Ion Ratio Lower Upper

43 100

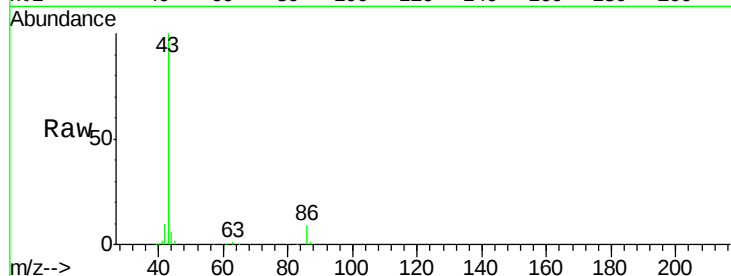
86 9.3 7.2 10.8

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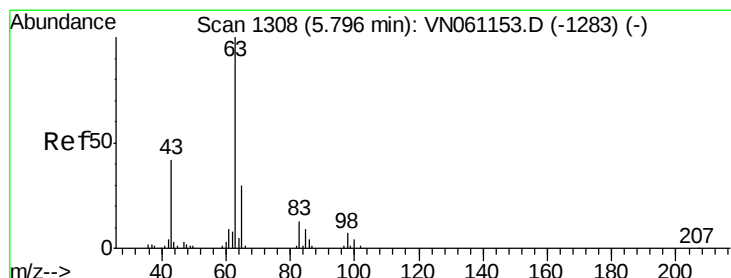
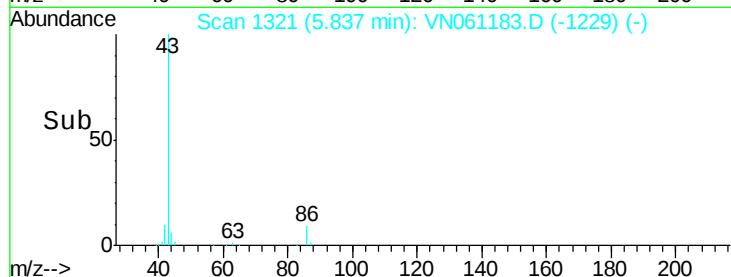
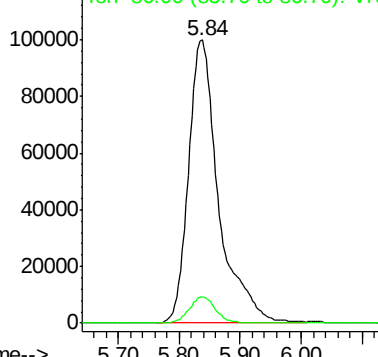
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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 18.776 ug/l

RT: 5.79 min Scan# 1307

Delta R.T. -0.00 min

Lab File: VN061183.D

Acq: 29 Apr 2020 11:18

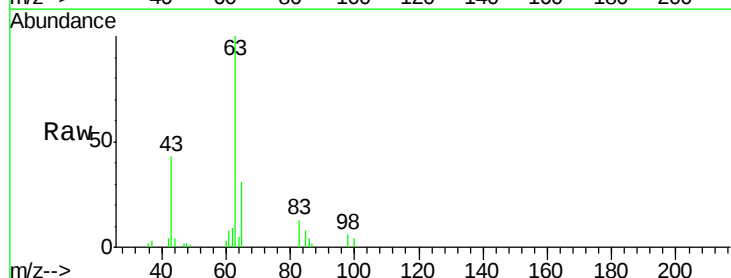
Tgt Ion: 63 Resp: 46294

Ion Ratio Lower Upper

63 100

98 5.7 3.3 9.9

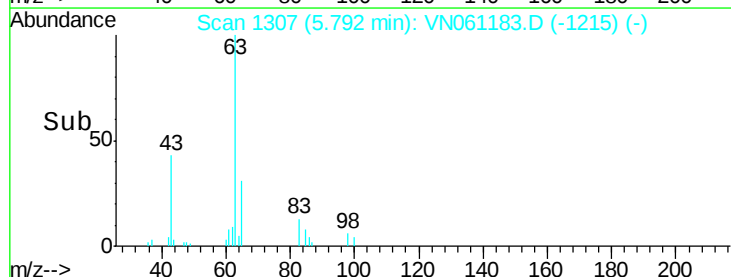
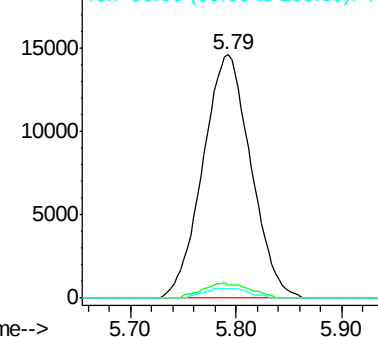
100 4.0 1.9 5.7

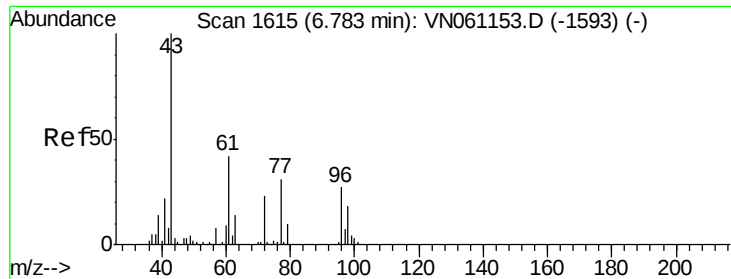


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 84.148 ug/l

RT: 6.78 min Scan# 1614

Delta R.T. -0.00 min

Lab File: VN061183.D

Acq: 29 Apr 2020 11:18

Instrument :

MSVOA_N

ClientSampleId :

VN0429WBS01

Tot Ion: 43 Resp: 81955

Ion Ratio Lower Upper

43 100

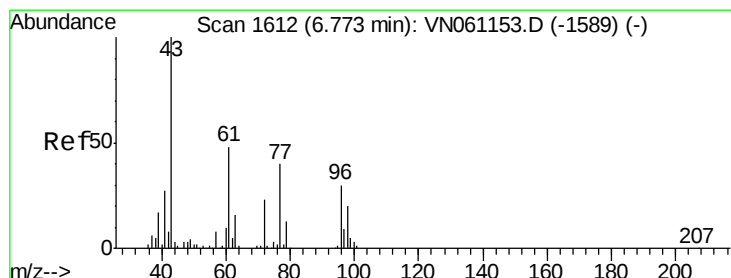
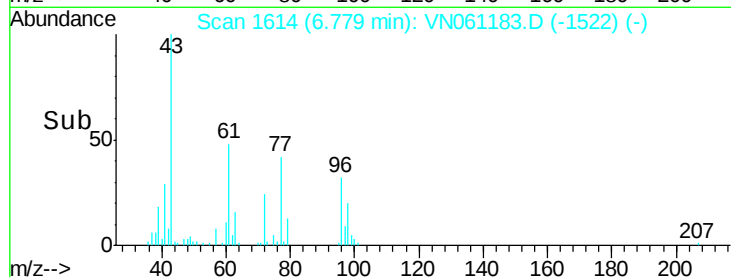
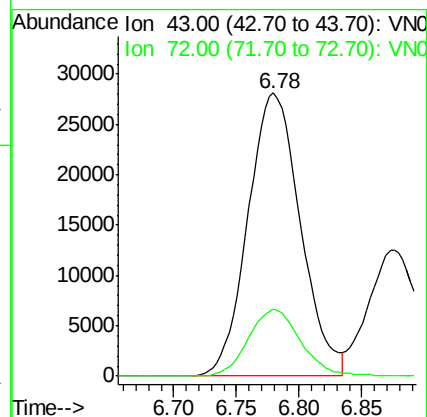
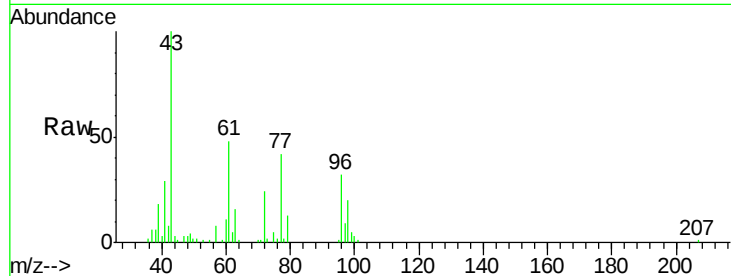
72 23.5 18.2 27.4

Manual Integrations

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4/30/2020 2:11:16 PM



#26

2,2-Dichloropropane

Concen: 20.233 ug/l

RT: 6.77 min Scan# 1611

Delta R.T. -0.00 min

Lab File: VN061183.D

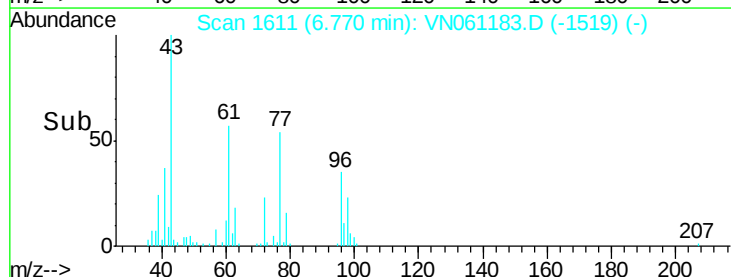
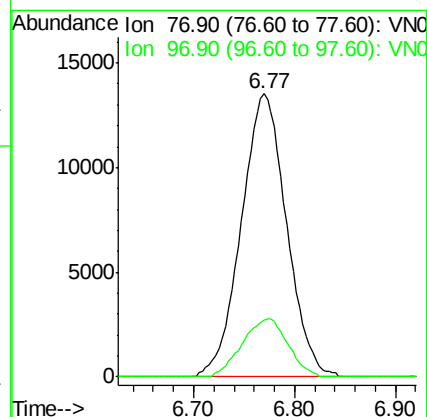
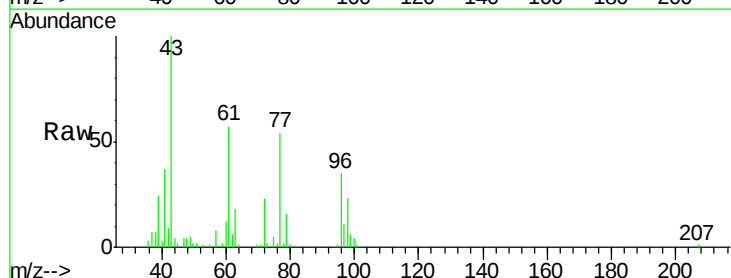
Acq: 29 Apr 2020 11:18

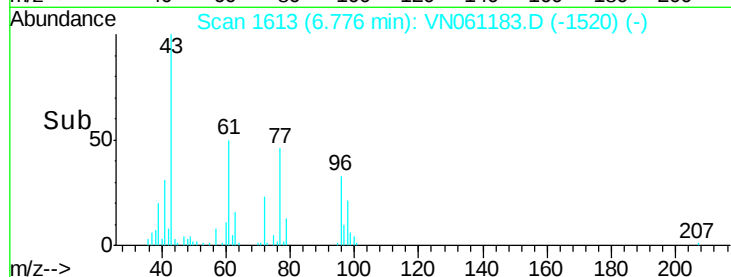
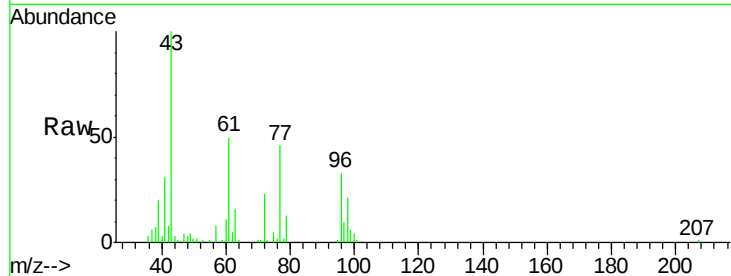
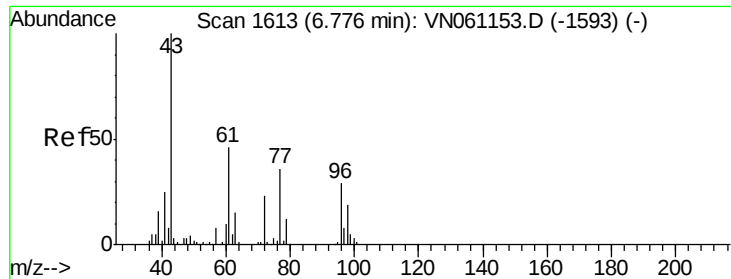
Tgt Ion: 77 Resp: 42018

Ion Ratio Lower Upper

77 100

97 20.8 10.5 31.5





#27

cis-1,2-Dichloroethene

Concen: 18.684 ug/l

RT: 6.78 min Scan# 1613

Delta R.T. 0.00 min

Lab File: VN061183.D

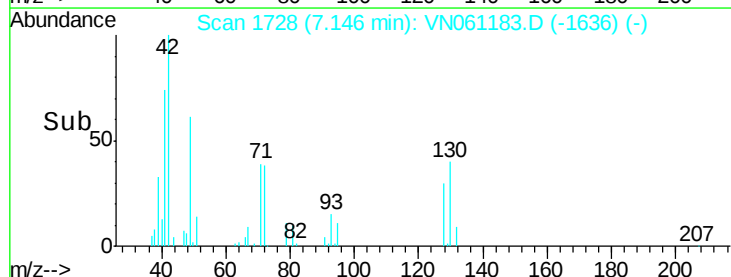
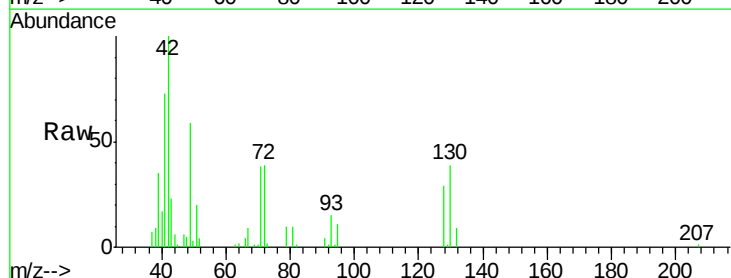
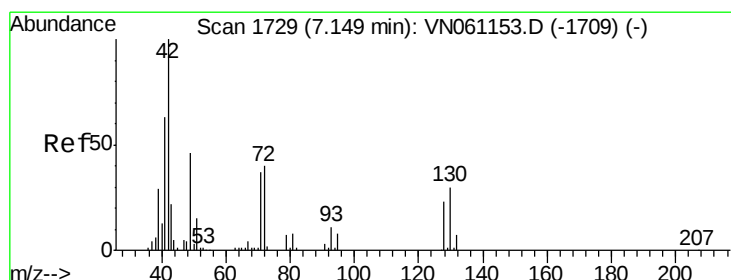
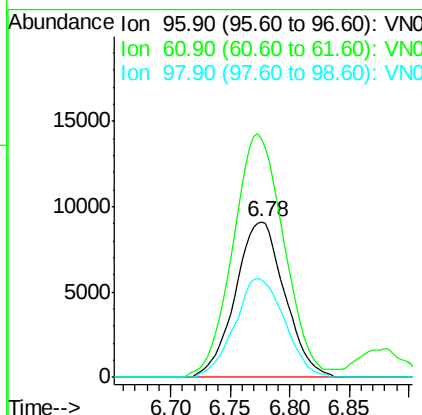
Acq: 29 Apr 2020 11:18

Tot Ion	Ratio	Resp	Lower	Upper
96	100	26203		
61	161.6		0.0	322.0
98	64.1		0.0	129.6

Instrument :
MSVOA_N
ClientSampleId :
VN0429WBS01

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#28

Bromochloromethane

Concen: 19.463 ug/l

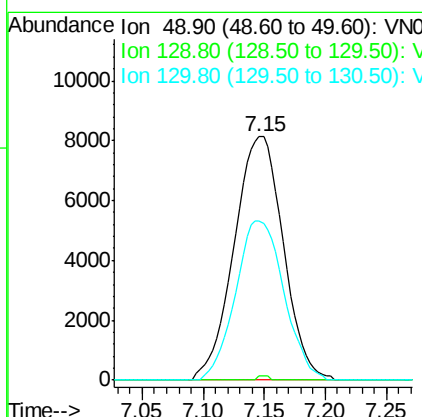
RT: 7.15 min Scan# 1728

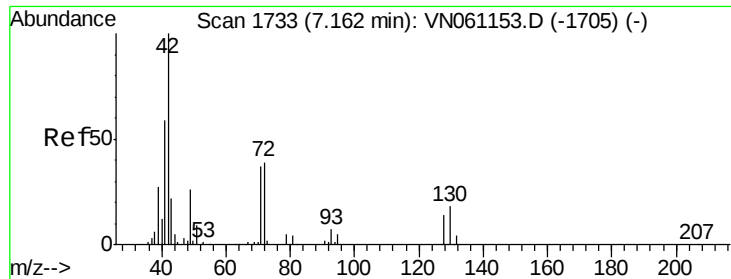
Delta R.T. -0.00 min

Lab File: VN061183.D

Acq: 29 Apr 2020 11:18

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	22745		
129	0.4		0.0	3.0
130	64.3		51.4	77.2





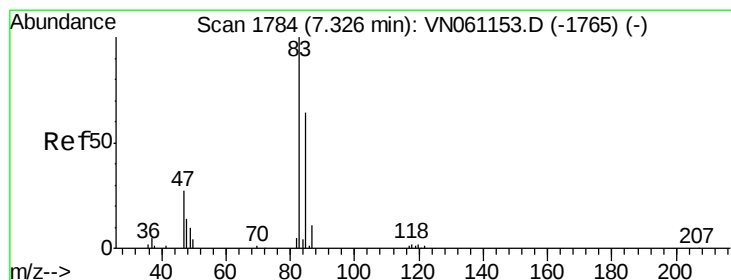
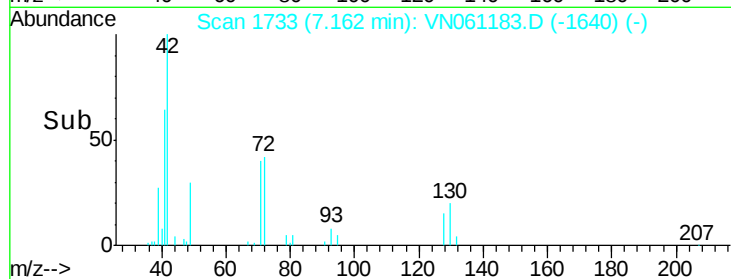
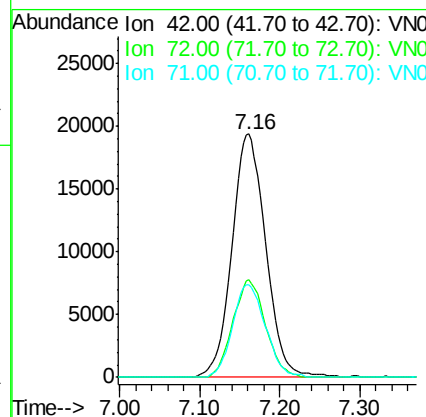
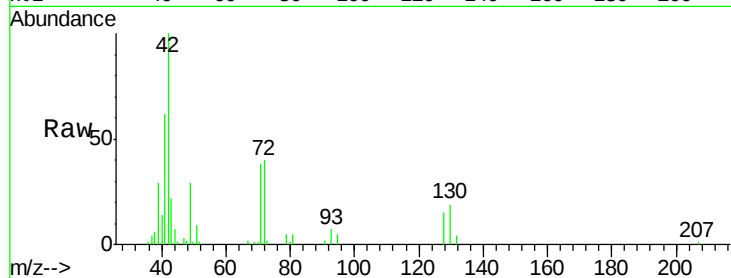
#29
Tetrahydrofuran
Concen: 84.703 ug/l
RT: 7.16 min Scan# 1733
Delta R.T. 0.00 min
Lab File: VN061183.D
Acq: 29 Apr 2020 11:18

Instrument :
MSVOA_N
ClientSampleId :
VN0429WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	38.5	31.4	47.0
71	37.0	29.5	44.3

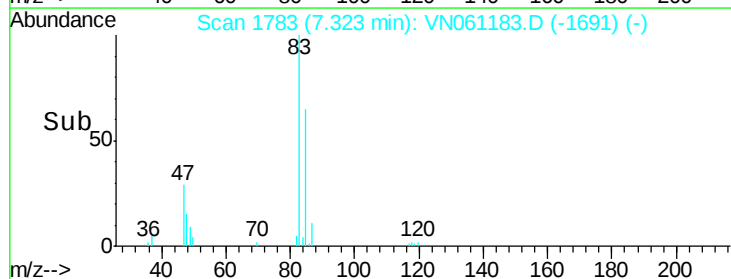
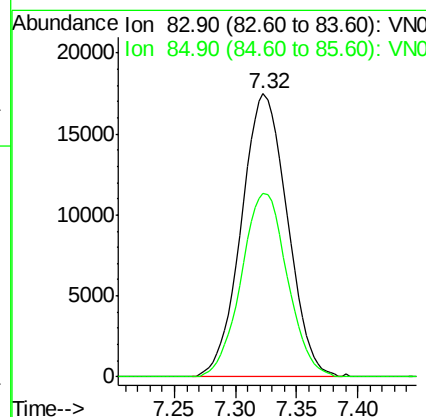
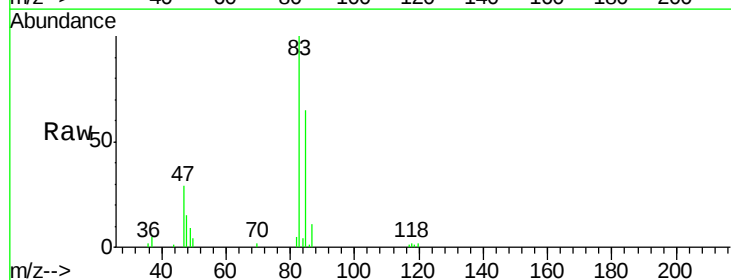
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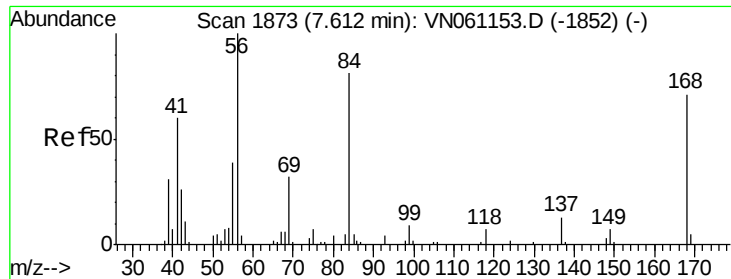
MMDadoda
4/30/2020 2:11:16 PM



#30
Chloroform
Concen: 18.291 ug/l
RT: 7.32 min Scan# 1783
Delta R.T. -0.00 min
Lab File: VN061183.D
Acq: 29 Apr 2020 11:18

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.0	51.1	76.7





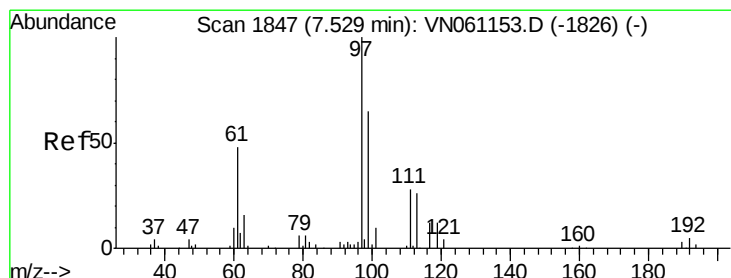
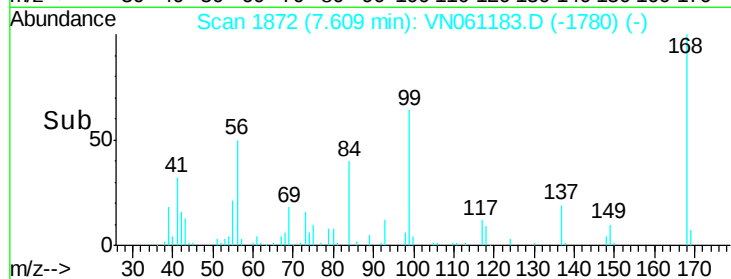
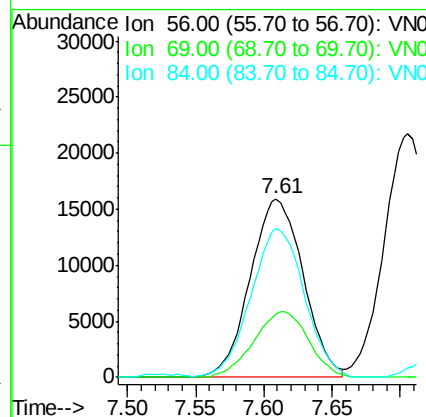
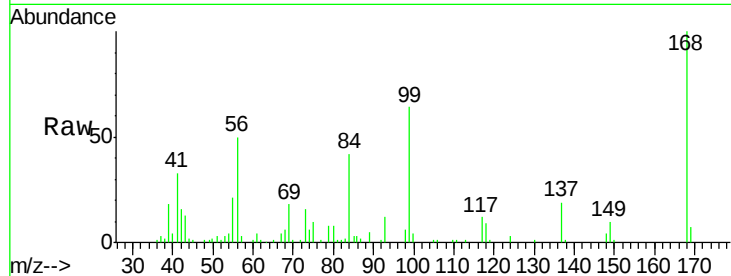
#31
Cyclohexane
Concen: 17.937 ug/l
RT: 7.61 min Scan# 1872
Delta R.T. -0.00 min
Lab File: VN061183.D
Acq: 29 Apr 2020 11:18

Instrument :
MSVOA_N
ClientSampleId :
VN0429WBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	35.6	25.7	38.5
84	83.4	64.6	97.0

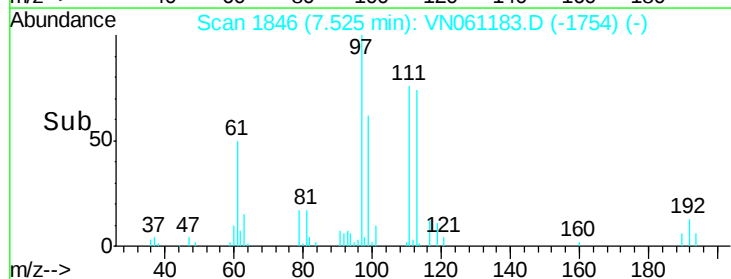
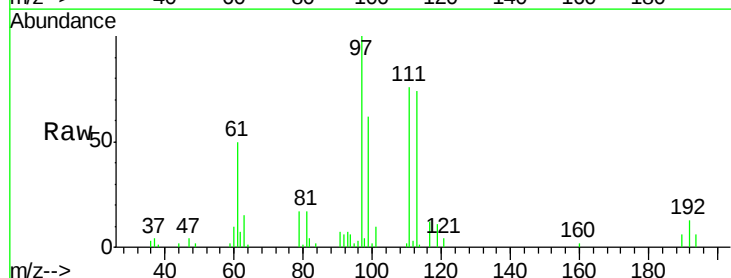
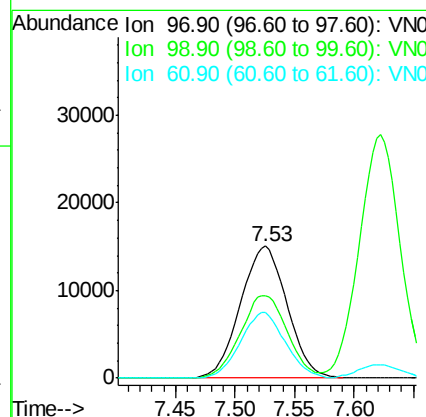
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#32
1,1,1-Trichloroethane
Concen: 18.767 ug/l
RT: 7.53 min Scan# 1846
Delta R.T. -0.00 min
Lab File: VN061183.D
Acq: 29 Apr 2020 11:18

Tgt Ion	Ratio	Lower	Upper
97	100		
99	62.9	51.3	76.9
61	47.7	38.6	57.8





#33

1,2-Dichloroethane-d4

Concen: 48.259 ug/l

RT: 7.98 min Scan# 1988

Delta R.T. -0.00 min

Lab File: VN061183.D

Acq: 29 Apr 2020 11:18

Instrument :

MSVOA_N

ClientSampleId :

VN0429WBS01

Tot Ion: 65 Resp: 79431

Ion Ratio Lower Upper

65 100

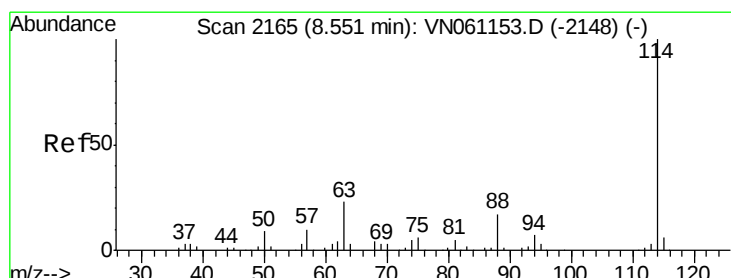
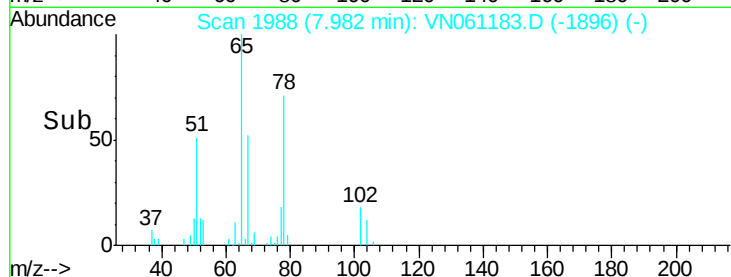
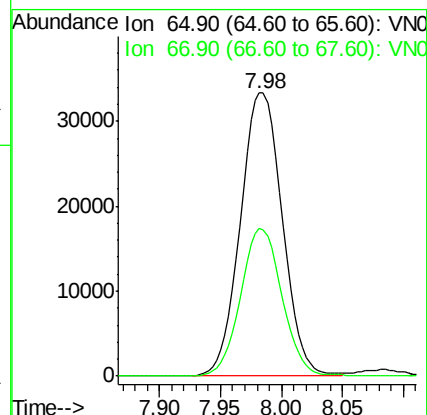
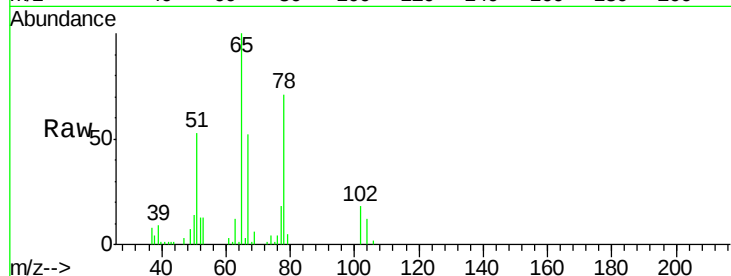
67 51.3 0.0 101.6

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4/30/2020 2:11:16 PM



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2164

Delta R.T. -0.00 min

Lab File: VN061183.D

Acq: 29 Apr 2020 11:18

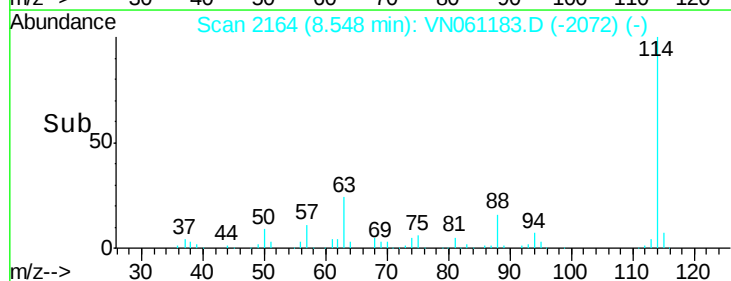
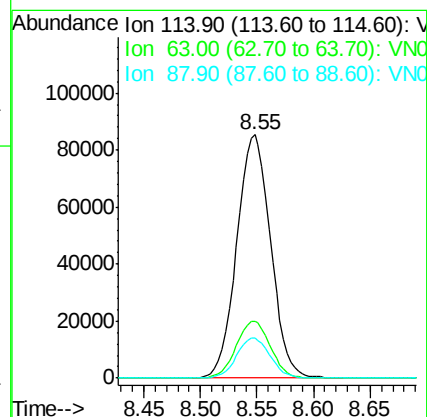
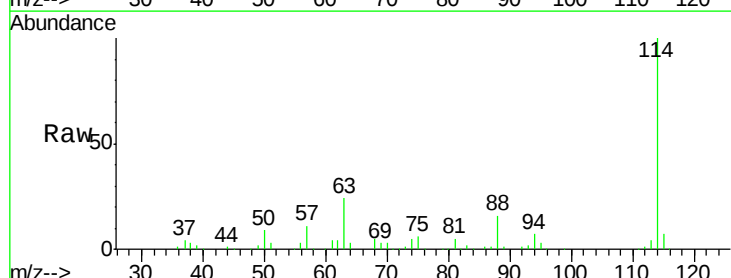
Tgt Ion: 114 Resp: 177928

Ion Ratio Lower Upper

114 100

63 23.5 0.0 46.6

88 16.3 0.0 33.4





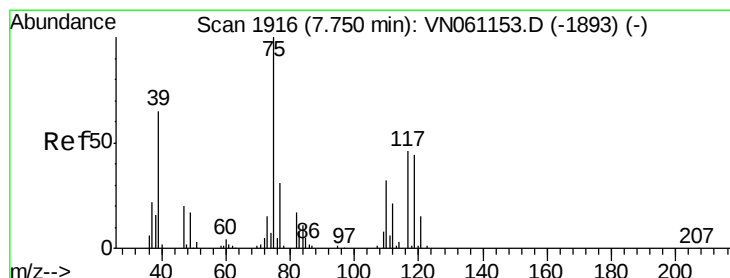
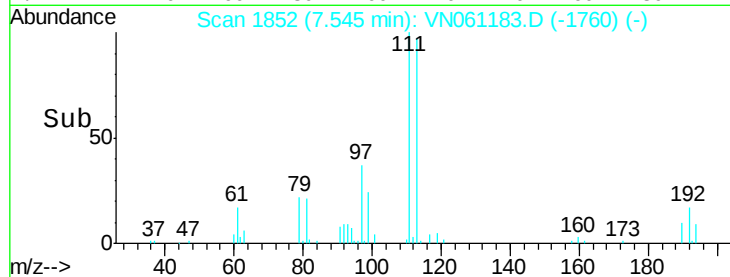
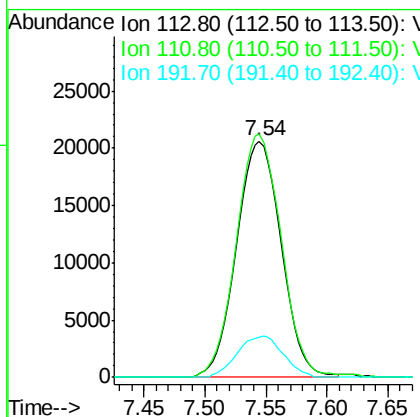
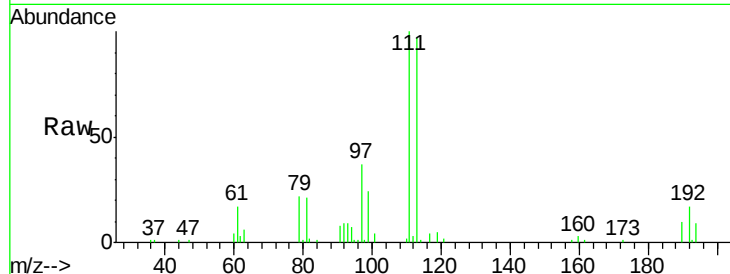
#35
 Dibromofluoromethane
 Concen: 49.808 ug/l
 RT: 7.54 min Scan# 1852
 Delta R.T. -0.00 min
 Lab File: VN061183.D
 Acq: 29 Apr 2020 11:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0429WBS01

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.7	82.9	124.3
192	18.0	14.7	22.1

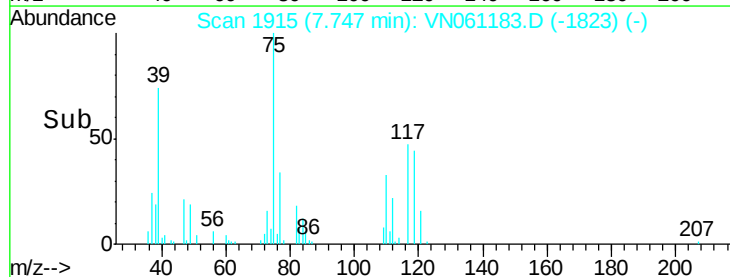
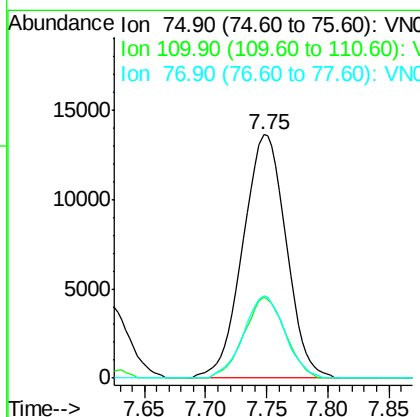
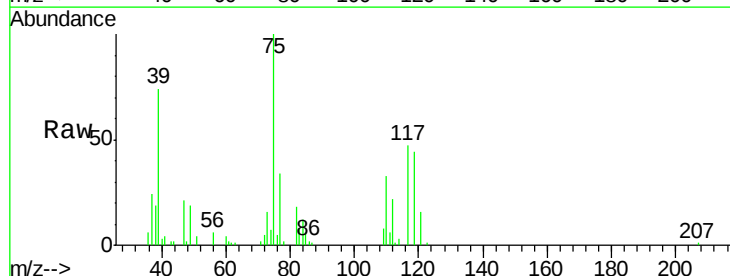
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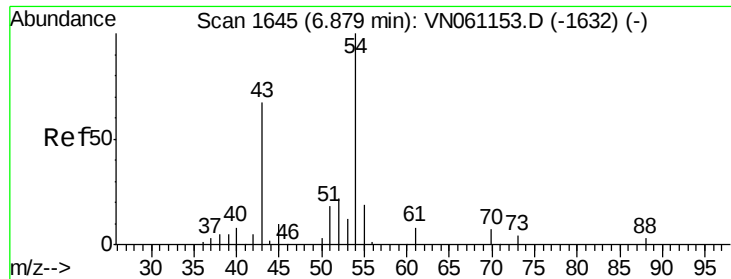
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 4/30/2020 2:11:16 PM



#36
 1,1-Dichloropropene
 Concen: 18.824 ug/l
 RT: 7.75 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VN061183.D
 Acq: 29 Apr 2020 11:18

Tgt Ion	Ratio	Lower	Upper
75	100		
110	31.7	16.0	48.0
77	32.2	24.6	37.0





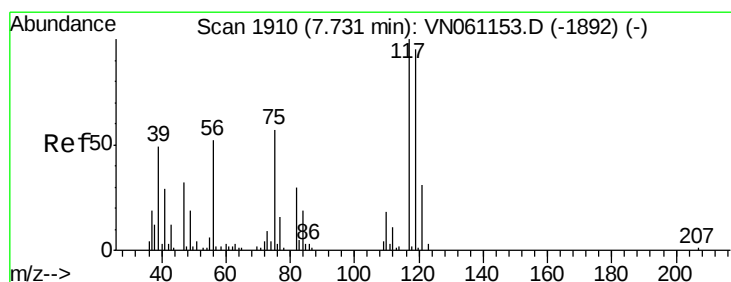
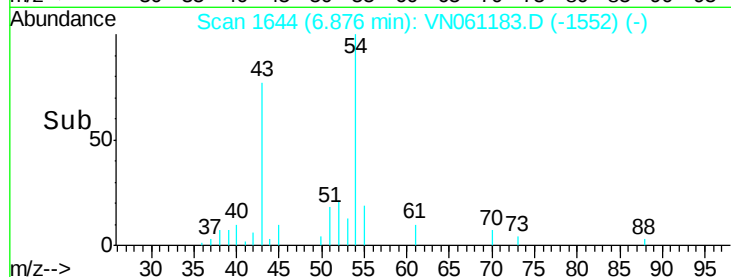
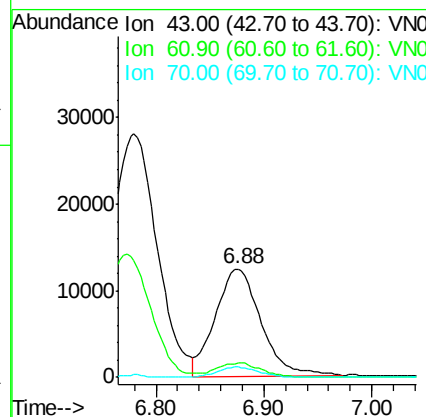
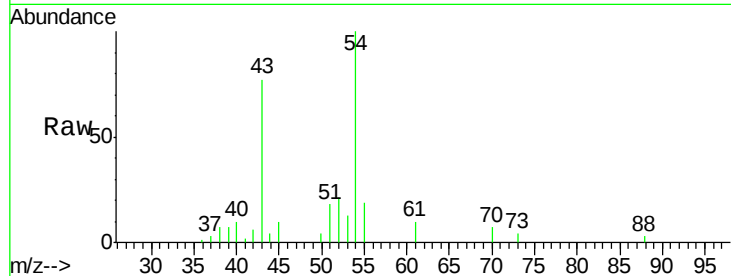
#37
Ethyl Acetate
Concen: 17.350 ug/l
RT: 6.88 min Scan# 1644
Delta R.T. -0.00 min
Lab File: VN061183.D
Acq: 29 Apr 2020 11:18

Instrument :
MSVOA_N
ClientSampleId :
VN0429WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.2	10.2	15.2
70	8.5	7.2	10.8

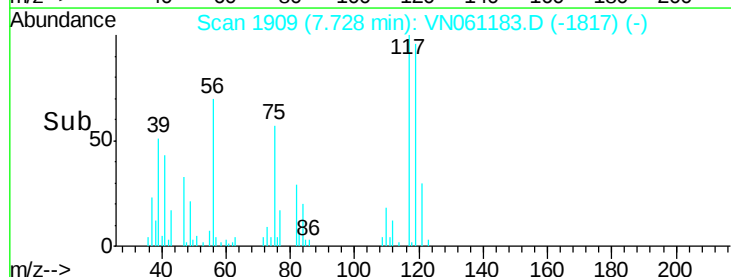
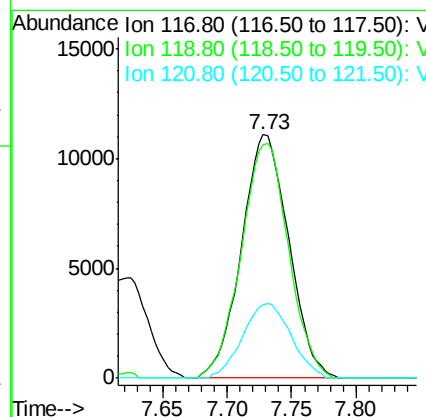
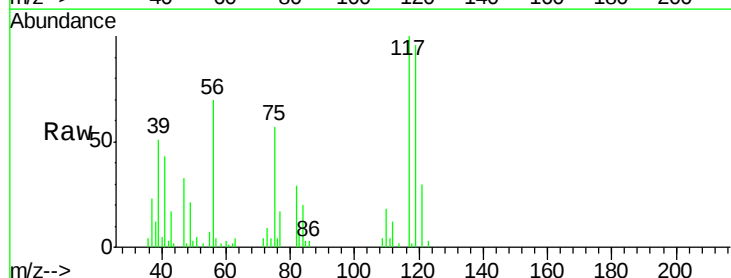
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4/30/2020 2:11:16 PM



#38
Carbon Tetrachloride
Concen: 18.887 ug/l
RT: 7.73 min Scan# 1909
Delta R.T. -0.00 min
Lab File: VN061183.D
Acq: 29 Apr 2020 11:18

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.9	75.8	113.6
121	30.2	24.7	37.1





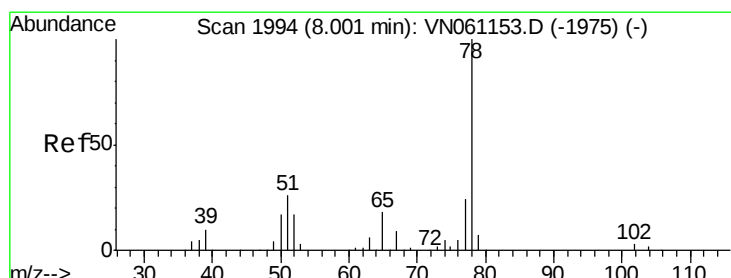
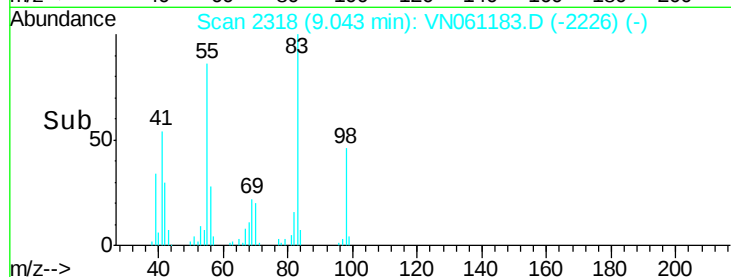
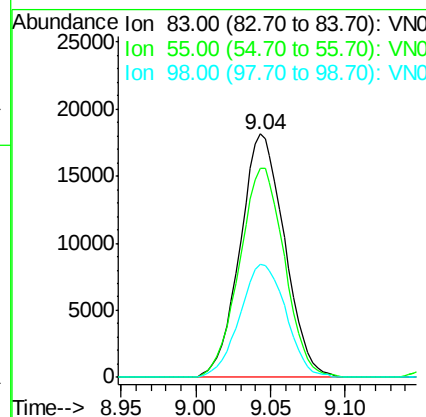
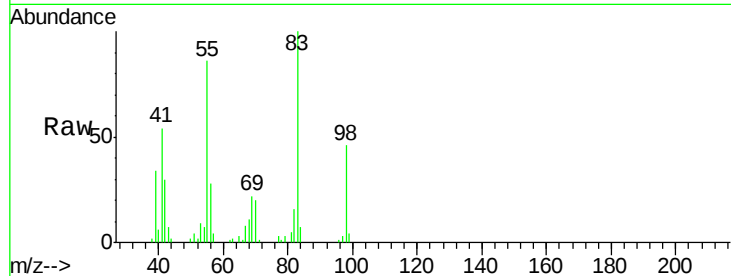
#39
Methvlcvclohexane
Concen: 18.820 ug/l
RT: 9.04 min Scan# 2318
Delta R.T. -0.00 min
Lab File: VN061183.D
Acq: 29 Apr 2020 11:18

Instrument :
MSVOA_N
ClientSampleId :
VN0429WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	85.9	67.3	100.9
98	46.5	37.7	56.5

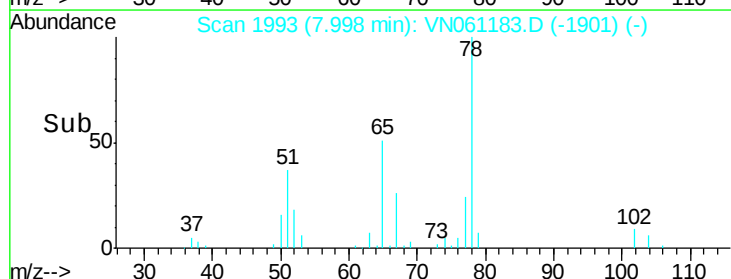
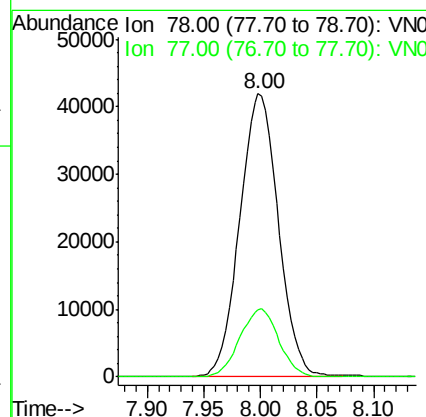
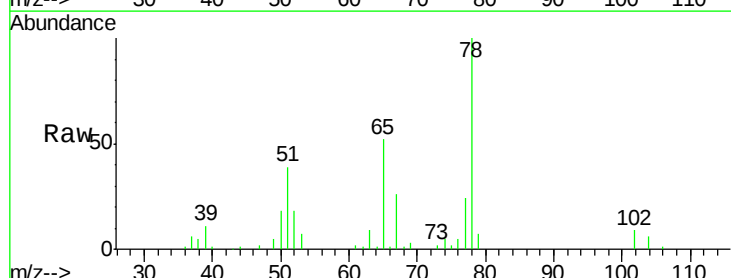
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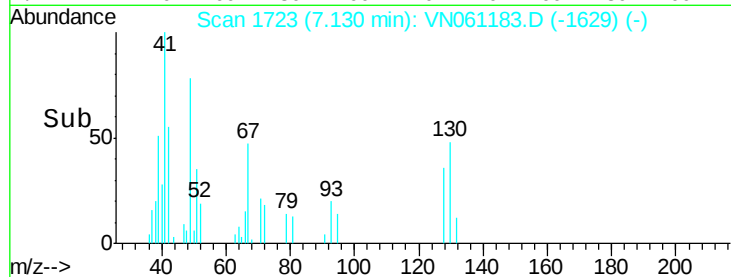
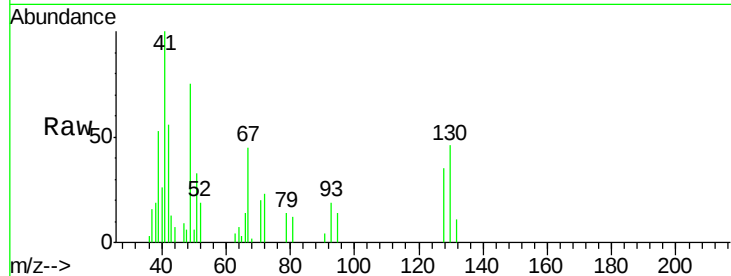
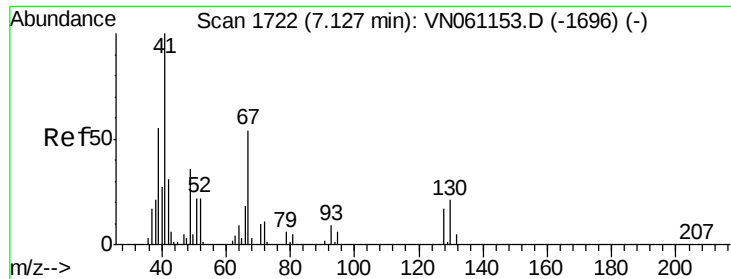
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4/30/2020 2:11:16 PM



#40
Benzene
Concen: 18.783 ug/l
RT: 8.00 min Scan# 1993
Delta R.T. -0.00 min
Lab File: VN061183.D
Acq: 29 Apr 2020 11:18

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.9	19.0	28.6





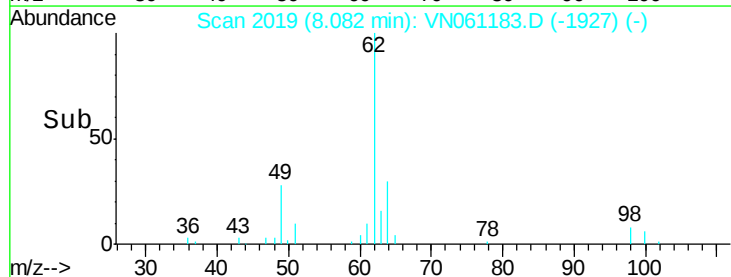
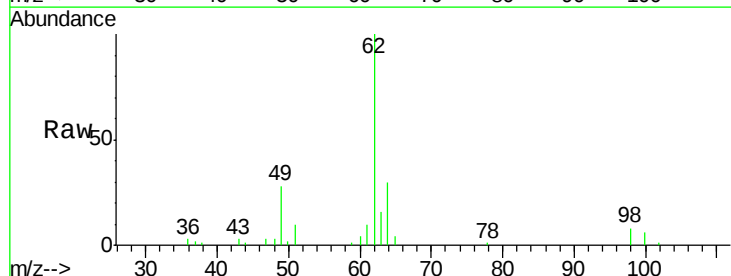
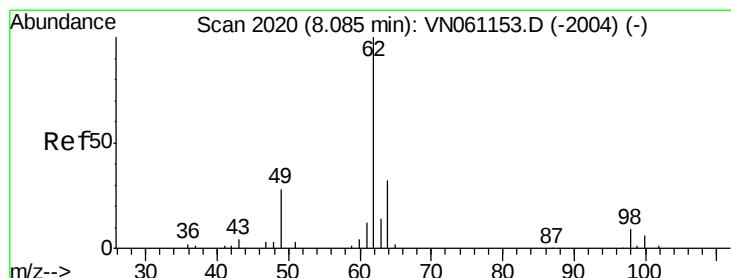
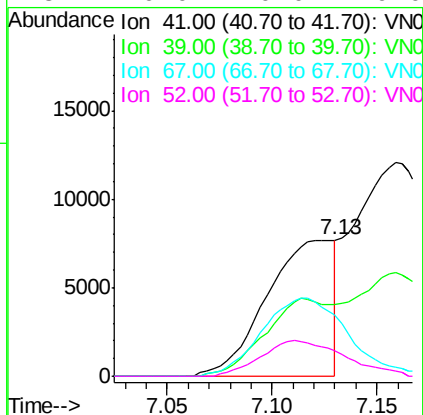
#41
Methacrylonitrile
Concen: 19.897 ug/l m
RT: 7.13 min Scan# 1723
Delta R.T. 0.00 min
Lab File: VN061183.D
Acq: 29 Apr 2020 11:18

Tot Ion	41	Resp	17250
Ion Ratio	Lower	Upper	
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

Instrument :
MSVOA_N
ClientSampleId :
VN0429WBS01

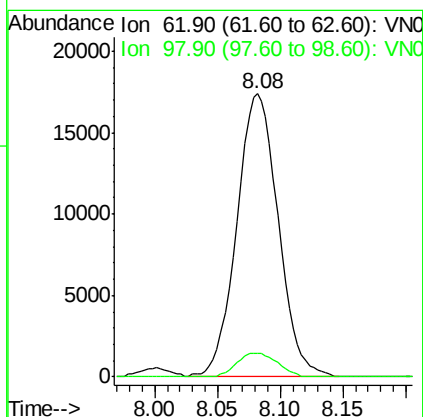
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#42
1,2-Dichloroethane
Concen: 19.883 ug/l
RT: 8.08 min Scan# 2019
Delta R.T. -0.00 min
Lab File: VN061183.D
Acq: 29 Apr 2020 11:18

Tgt Ion	62	Resp	39971
Ion Ratio	Lower	Upper	
62	100		
98	8.2	0.0	16.8





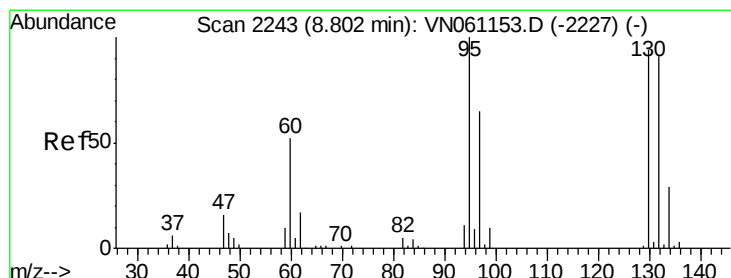
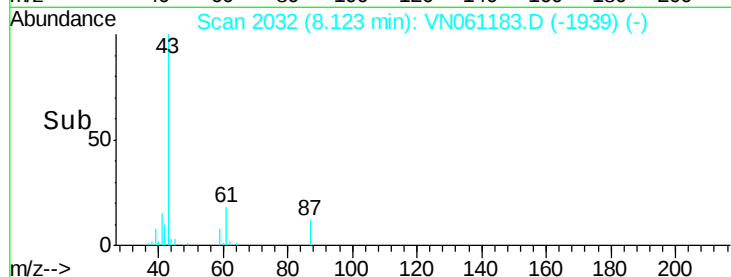
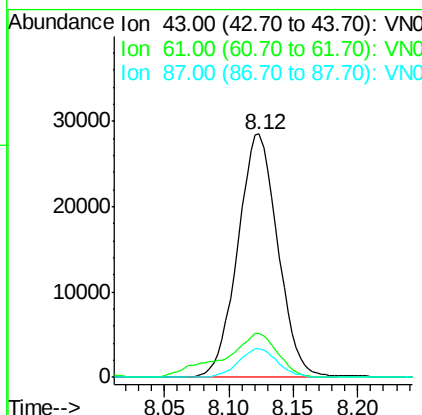
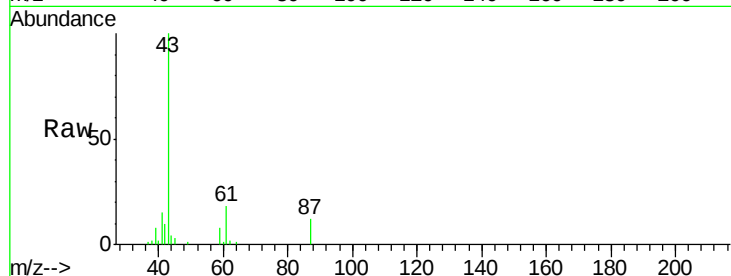
#43
Isopropyl Acetate
Concen: 17.785 ug/l
RT: 8.12 min Scan# 2032
Delta R.T. 0.00 min
Lab File: VN061183.D
Acq: 29 Apr 2020 11:18

Instrument :
MSVOA_N
ClientSampleId :
VN0429WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	24.2	19.5	29.3
87	11.4	8.9	13.3

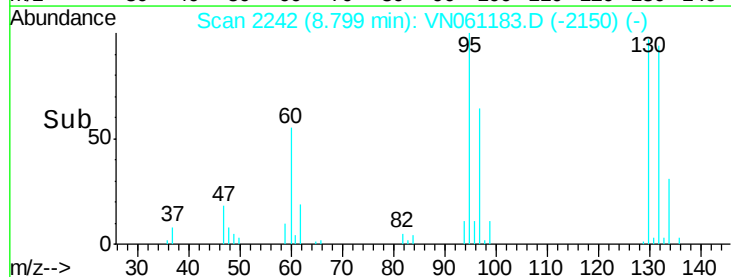
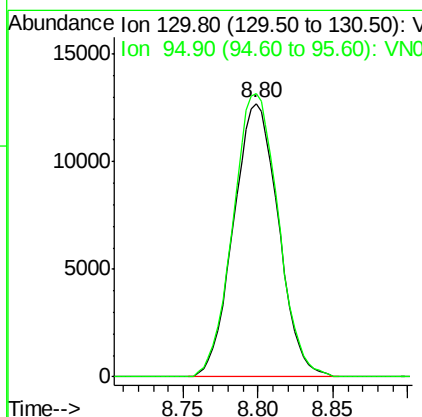
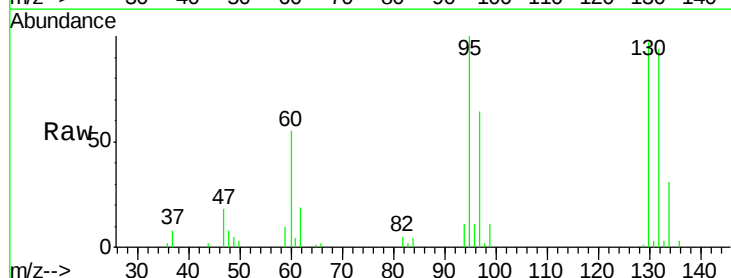
Manual Integrations
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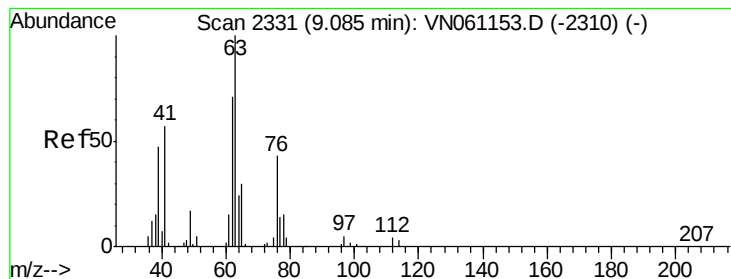
MMDadoda
4/30/2020 2:11:16 PM



#44
Trichloroethene
Concen: 18.491 ug/l
RT: 8.80 min Scan# 2242
Delta R.T. -0.00 min
Lab File: VN061183.D
Acq: 29 Apr 2020 11:18

Tgt Ion	Ratio	Lower	Upper
130	100		
95	103.4	0.0	212.4





#45

1,2-Dichloropropane

Concen: 18.971 ug/l

RT: 9.08 min Scan# 2330

Delta R.T. -0.00 min

Lab File: VN061183.D

Acq: 29 Apr 2020 11:18

Instrument :

MSVOA_N

ClientSampleId :

VN0429WBS01

Tot Ion: 63 Resp: 26894

Ion Ratio Lower Upper

63 100

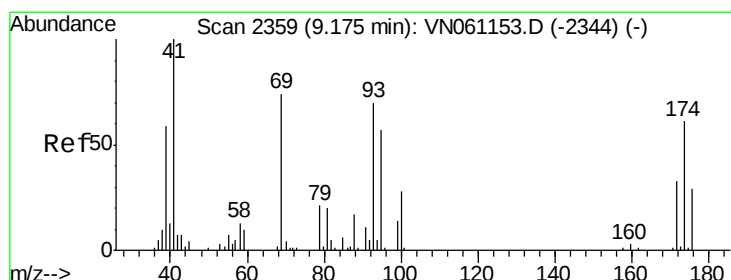
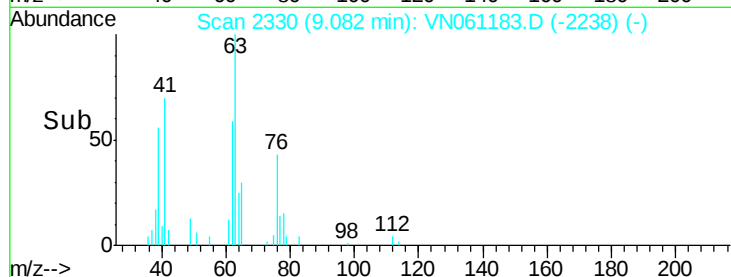
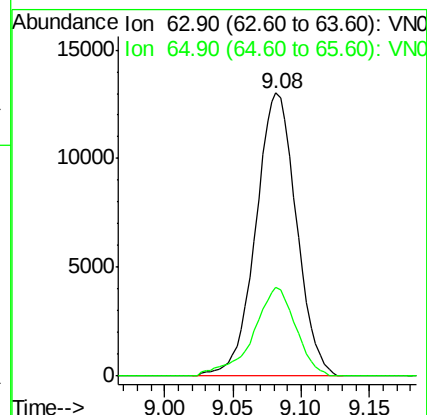
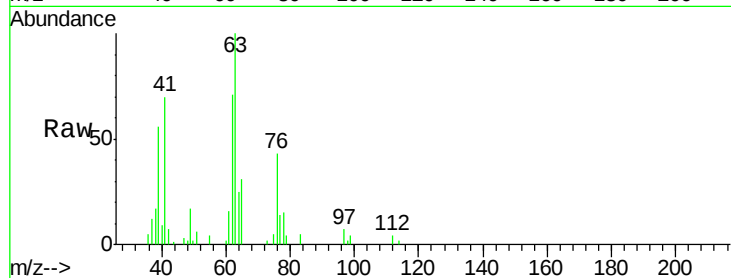
65 31.2 24.7 37.1

Manual Integrations

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4/30/2020 2:11:16 PM



#46

Dibromomethane

Concen: 19.333 ug/l

RT: 9.17 min Scan# 2359

Delta R.T. 0.00 min

Lab File: VN061183.D

Acq: 29 Apr 2020 11:18

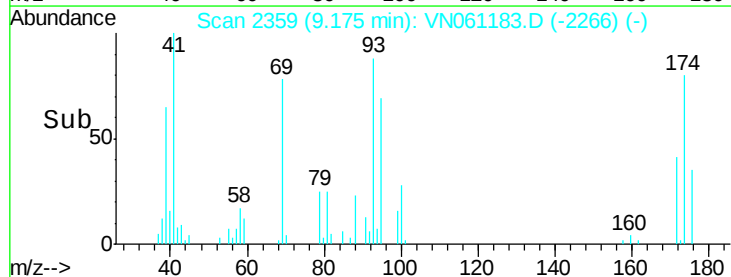
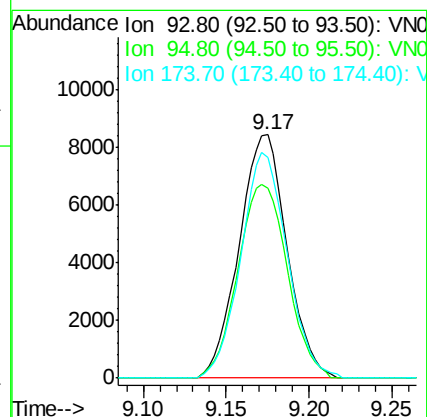
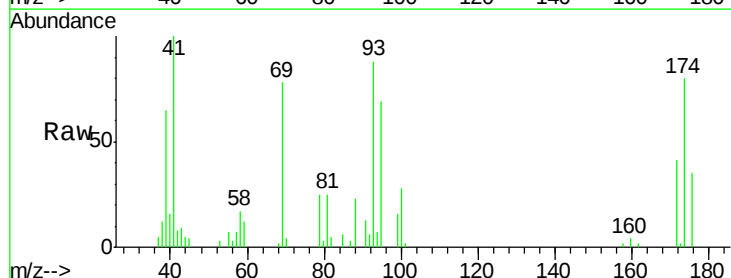
Tgt Ion: 93 Resp: 16970

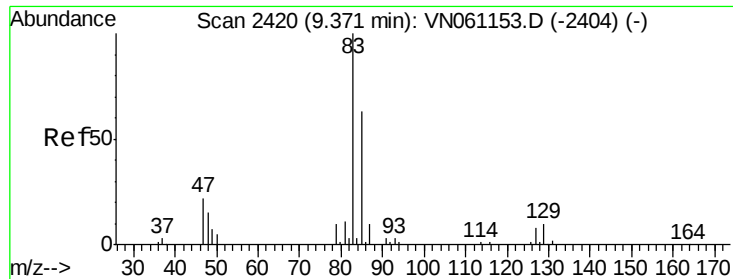
Ion Ratio Lower Upper

93 100

95 82.5 66.6 99.8

174 90.0 70.2 105.2





#47

Bromodichloromethane

Concen: 19.041 ug/l

RT: 9.37 min Scan# 2419

Delta R.T. -0.00 min

Lab File: VN061183.D

Acq: 29 Apr 2020 11:18

Instrument :

MSVOA_N

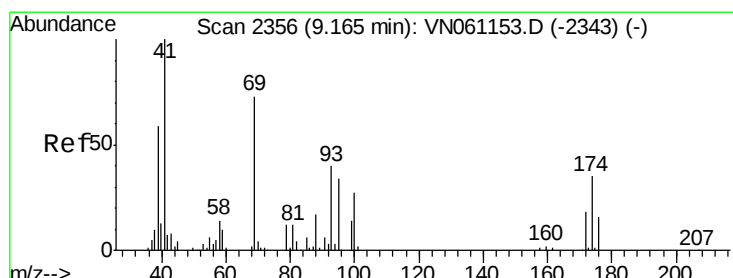
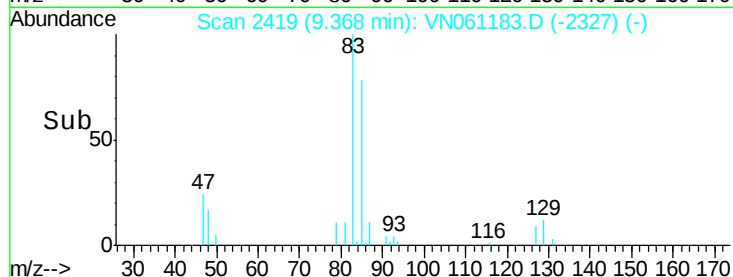
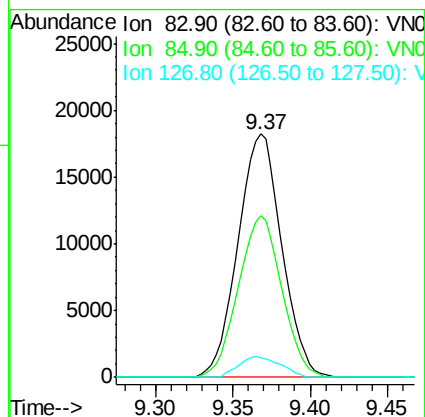
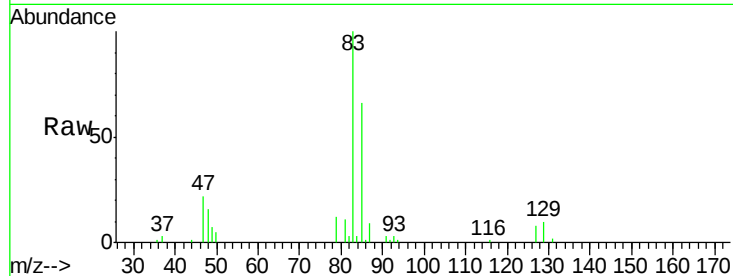
ClientSampleId :

VN0429WBS01

Tot Ion:	83	Resp:	35875
Ion Ratio	Lower	Upper	
83	100		
85	66.3	50.4	75.6
127	8.0	6.2	9.2

Manual Integrations
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#48

Methyl methacrylate

Concen: 17.306 ug/l

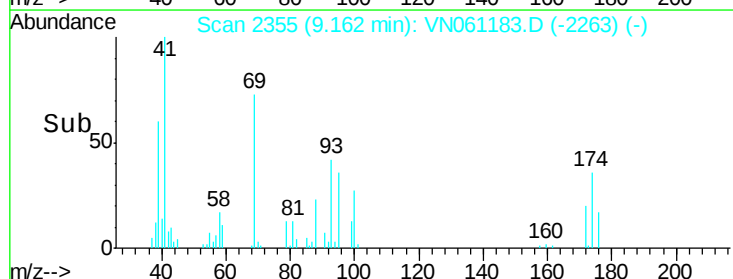
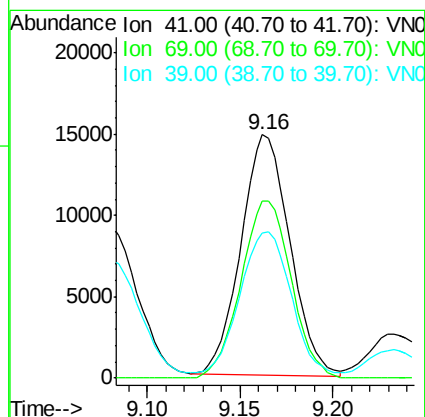
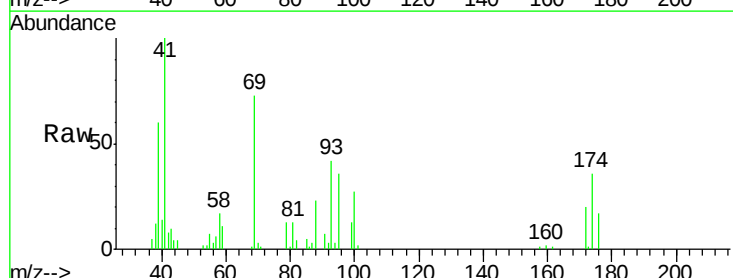
RT: 9.16 min Scan# 2355

Delta R.T. -0.00 min

Lab File: VN061183.D

Acq: 29 Apr 2020 11:18

Tgt Ion:	41	Resp:	27062
Ion Ratio	Lower	Upper	
41	100		
69	75.7	60.3	90.5
39	65.2	47.4	71.0





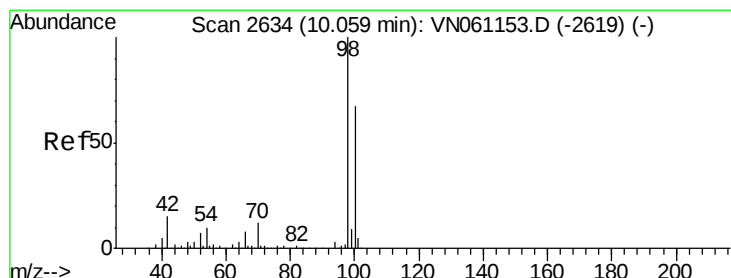
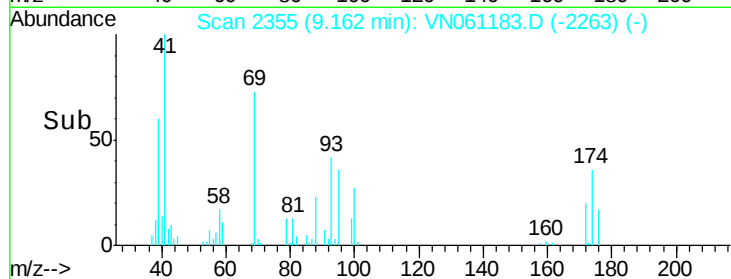
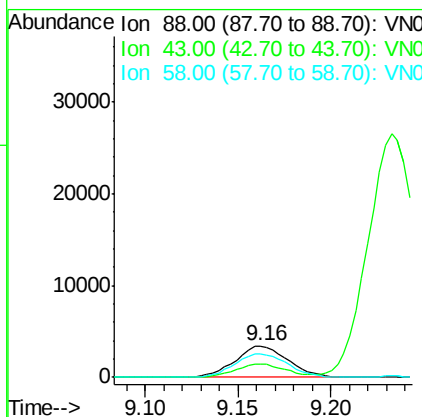
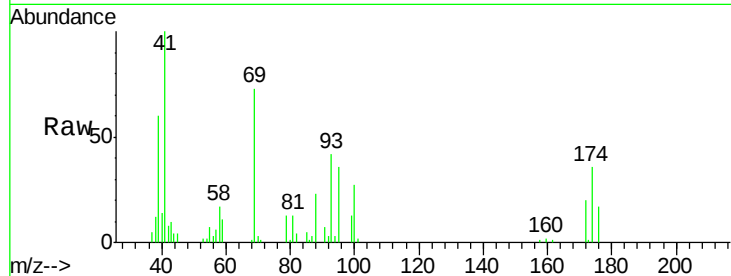
#49
1,4-Dioxane
Concen: 383.250 ug/l
RT: 9.16 min Scan# 2355
Delta R.T. -0.00 min
Lab File: VN061183.D
Acq: 29 Apr 2020 11:18

Instrument :
MSVOA_N
ClientSampleId :
VN0429WBS01

Tot Ion	Ratio	Resp	Lower	Upper
88	100	6803		
43	40.9		35.3	52.9
58	74.5		61.5	92.3

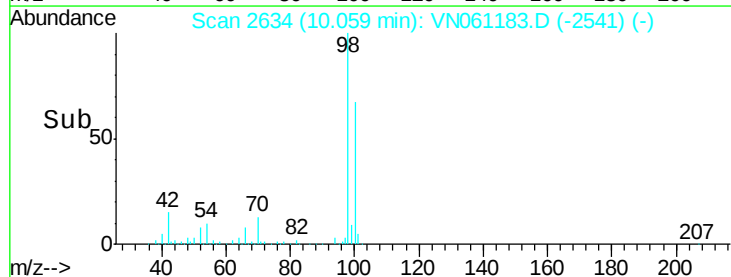
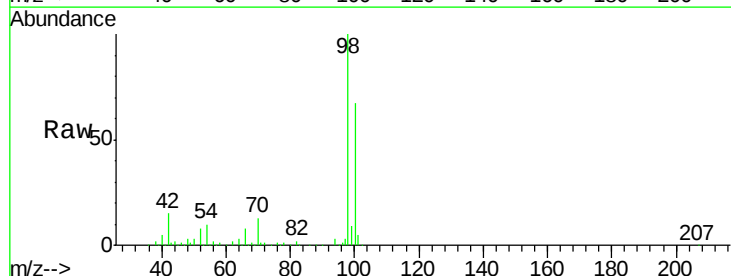
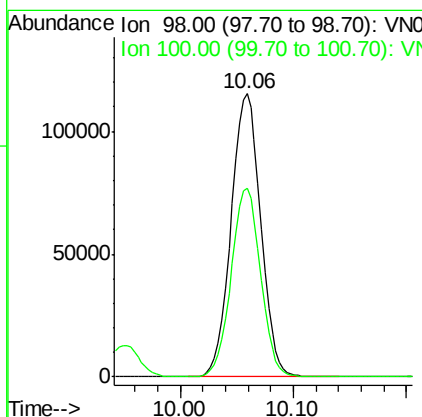
Manual Integrations
APPROVED

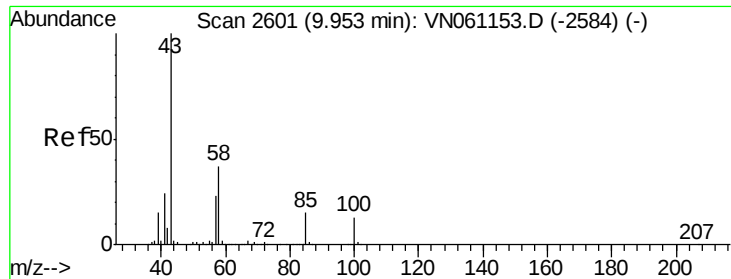
MMDadoda
4/30/2020 2:11:16 PM



#50
Toluene-d8
Concen: 49.147 ug/l
RT: 10.06 min Scan# 2634
Delta R.T. 0.00 min
Lab File: VN061183.D
Acq: 29 Apr 2020 11:18

Tgt Ion	Ratio	Resp	Lower	Upper
98	100	210792		
100	66.1		53.4	80.0





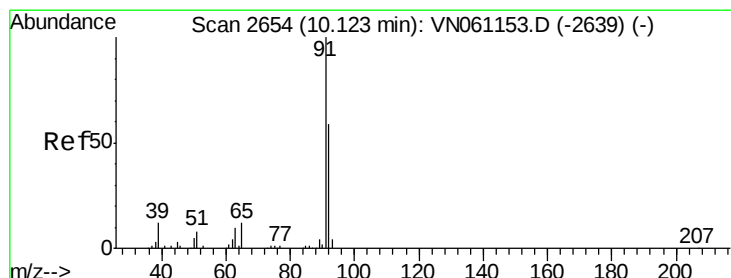
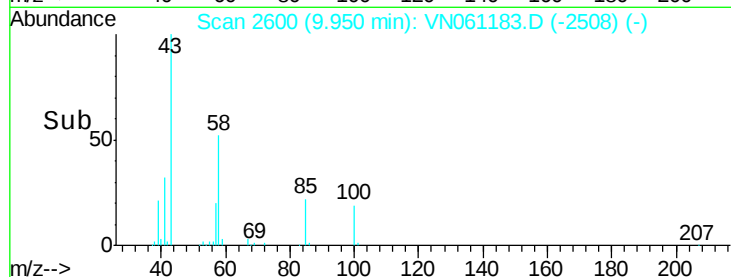
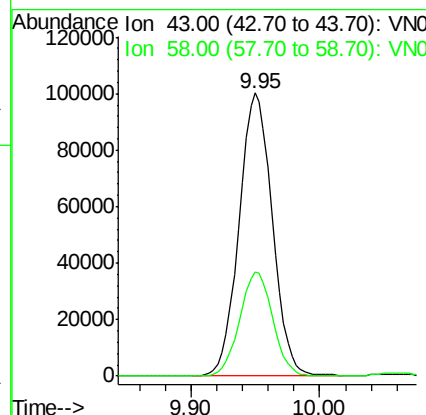
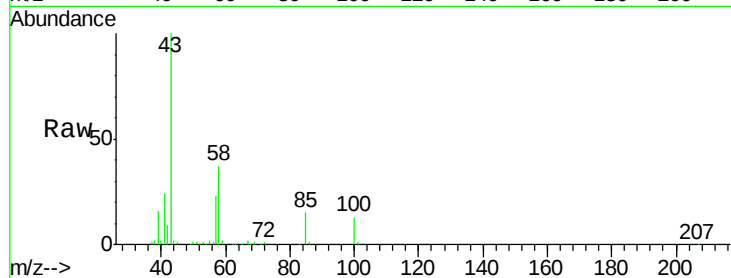
#51
4-Methyl-2-Pentanone
Concen: 88.059 ug/l
RT: 9.95 min Scan# 2600
Delta R.T. -0.00 min
Lab File: VN061183.D
Acq: 29 Apr 2020 11:18

Instrument :
MSVOA_N
ClientSampleId :
VN0429WBS01

Tot Ion	43	Resp	179623
Ion Ratio	43	100	
Lower	58	36.6	29.1
Upper			43.7

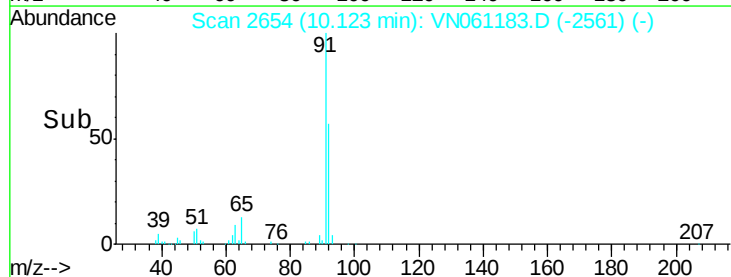
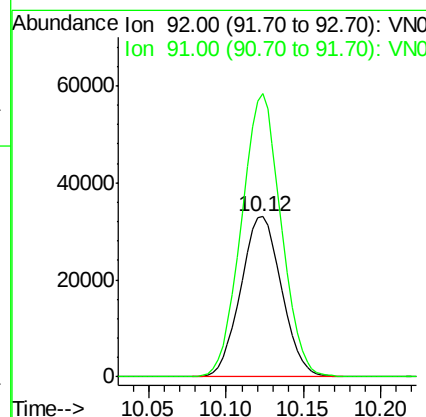
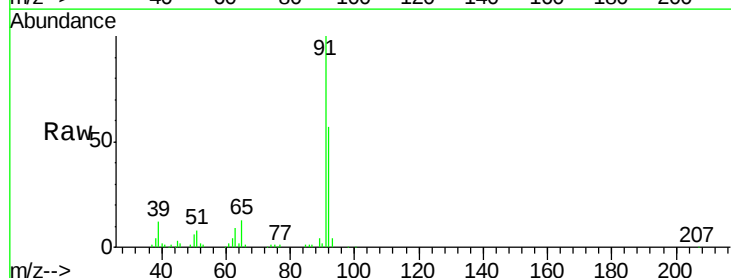
Manual Integrations
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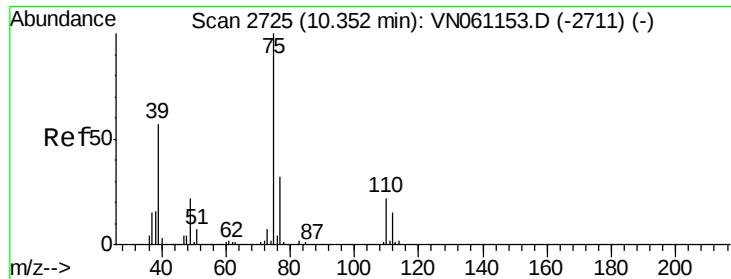
MMDadoda
4/30/2020 2:11:16 PM



#52
Toluene
Concen: 19.037 ug/l
RT: 10.12 min Scan# 2654
Delta R.T. 0.00 min
Lab File: VN061183.D
Acq: 29 Apr 2020 11:18

Tgt Ion	92	Resp	60847
Ion Ratio	92	100	
Lower	91	171.3	136.2
Upper			204.2





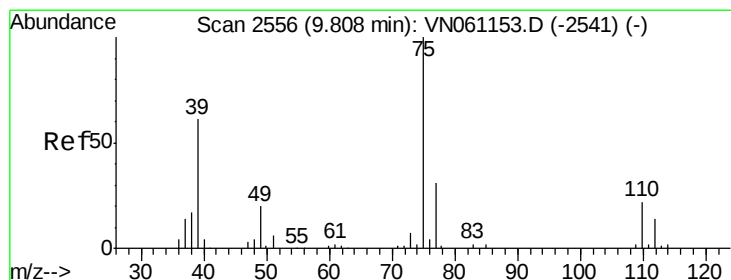
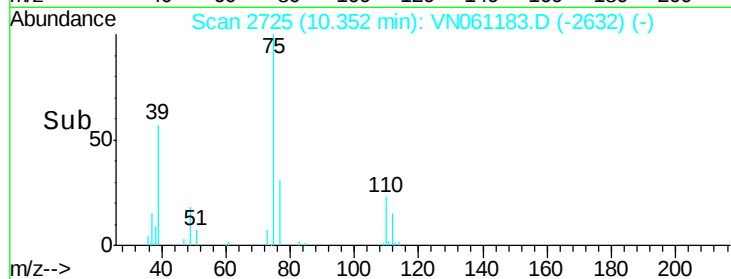
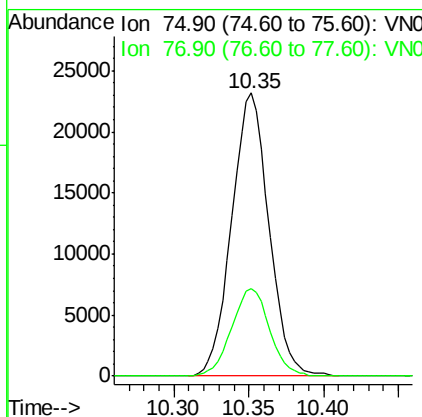
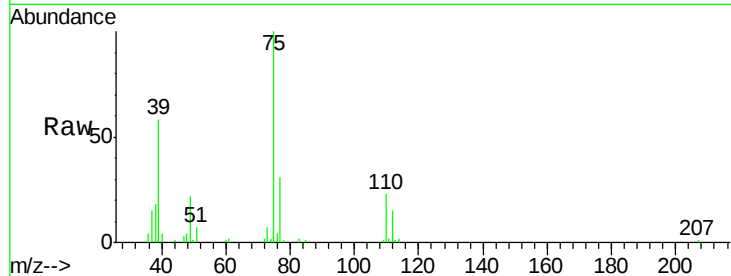
#53
t-1,3-Dichloropropene
Concen: 18.928 ug/l
RT: 10.35 min Scan# 2725
Delta R.T. 0.00 min
Lab File: VN061183.D
Acq: 29 Apr 2020 11:18

Instrument :
MSVOA_N
ClientSampleId :
VN0429WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.8	25.5	38.3

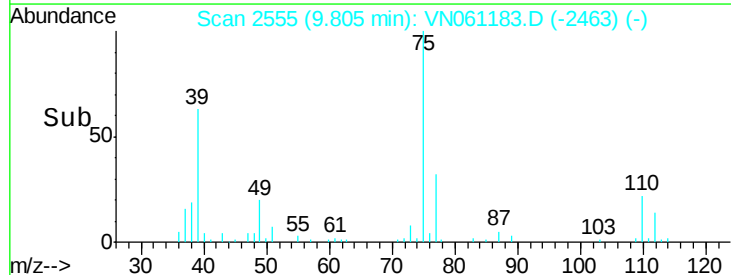
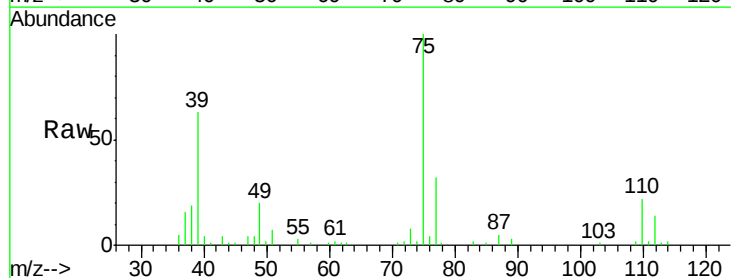
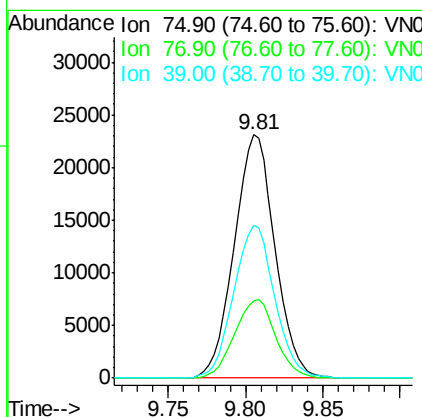
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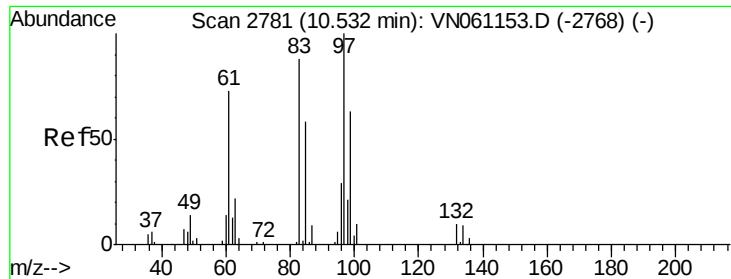
MMDadoda
4/30/2020 2:11:16 PM



#54
cis-1,3-Dichloropropene
Concen: 18.814 ug/l
RT: 9.81 min Scan# 2555
Delta R.T. -0.00 min
Lab File: VN061183.D
Acq: 29 Apr 2020 11:18

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.0	25.0	37.4
39	62.5	48.7	73.1





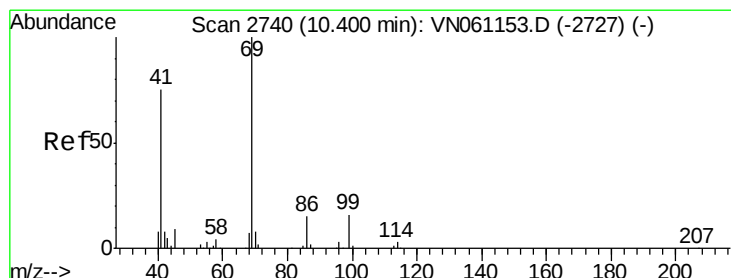
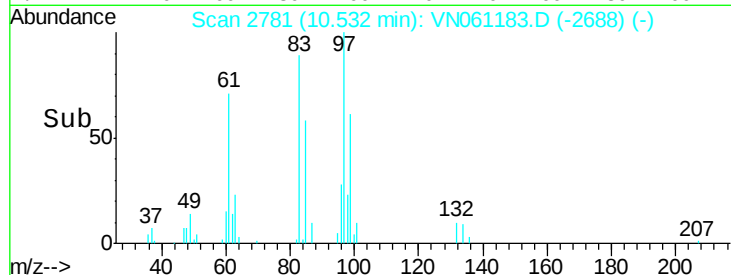
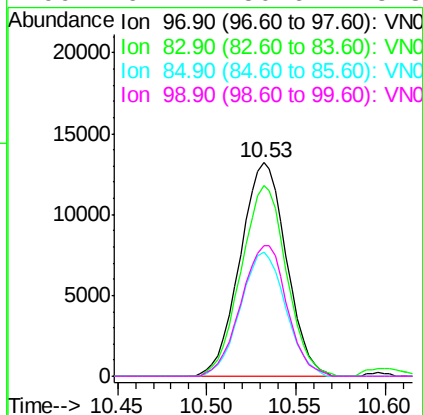
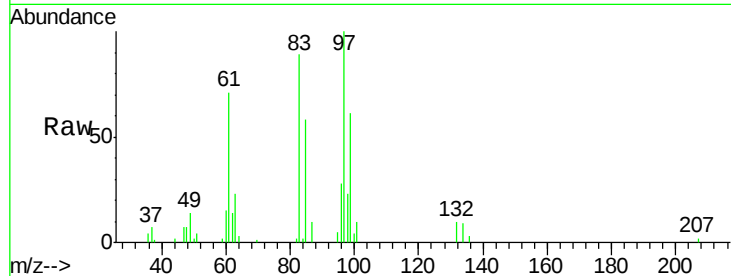
#55
 1,1,2-Trichloroethane
 Concen: 18.746 ug/l
 RT: 10.53 min Scan# 2781
 Delta R.T. 0.00 min
 Lab File: VN061183.D
 Acq: 29 Apr 2020 11:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0429WBS01

Tot Ion:	97	Resp:	23899
Ion	Ratio	Lower	Upper
97	100		
83	89.1	70.6	106.0
85	58.2	46.4	69.6
99	61.2	50.6	75.8

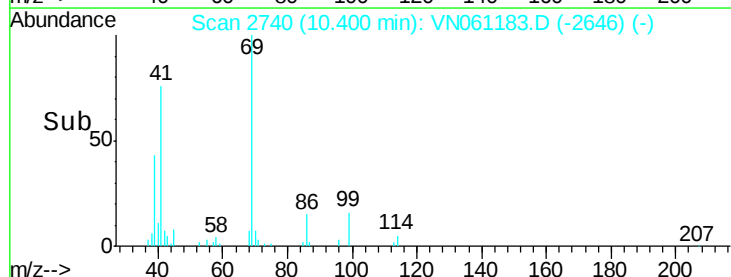
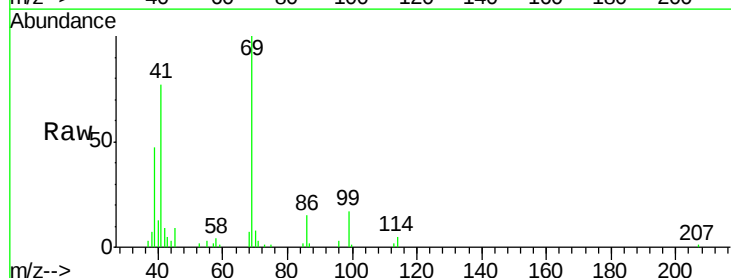
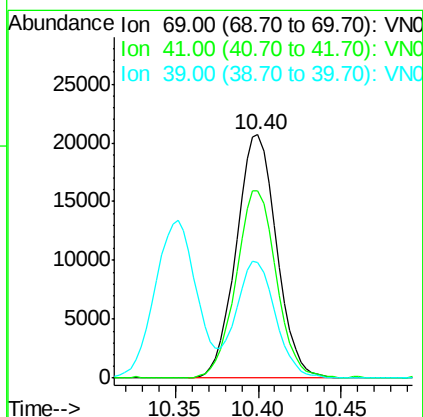
Manual Integrations
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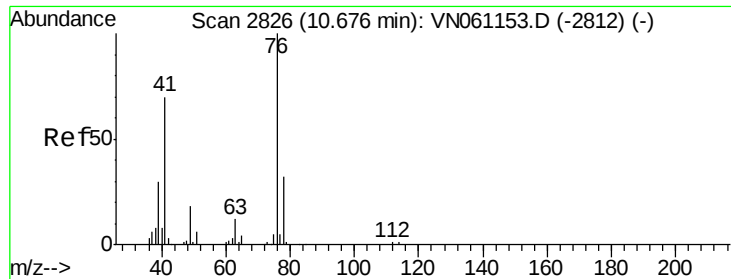
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#56
 Ethyl methacrylate
 Concen: 17.618 ug/l
 RT: 10.40 min Scan# 2740
 Delta R.T. 0.00 min
 Lab File: VN061183.D
 Acq: 29 Apr 2020 11:18

Tgt Ion:	69	Resp:	34990
Ion	Ratio	Lower	Upper
69	100		
41	77.0	60.3	90.5
39	47.8	35.9	53.9





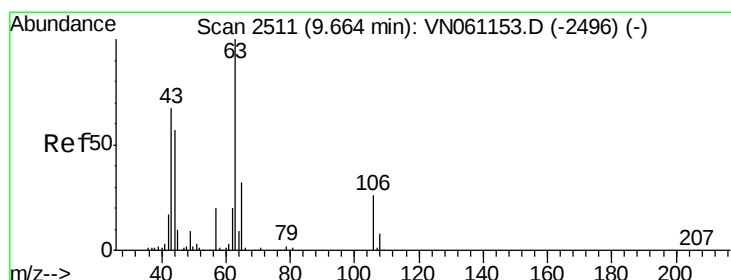
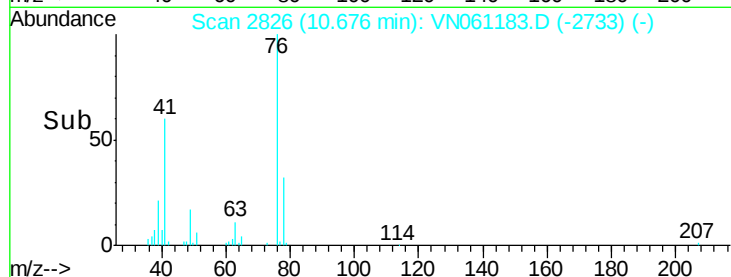
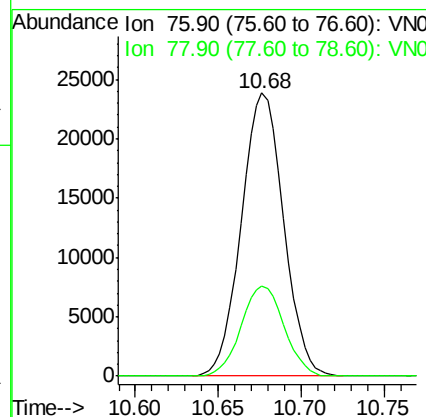
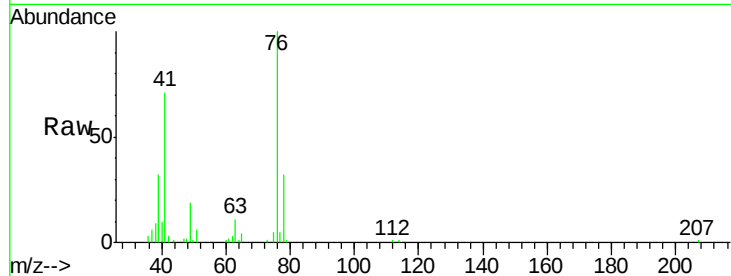
#57
 1,3-Dichloropropane
 Concen: 18.853 ug/l
 RT: 10.68 min Scan# 2826
 Delta R.T. 0.00 min
 Lab File: VN061183.D
 Acq: 29 Apr 2020 11:18

Instrument :
 MSVOA_N
 ClientSampled :
 VN0429WBS01

Tot Ion: 76 Resp: 42248
 Ion Ratio Lower Upper
 76 100
 78 32.3 25.5 38.3

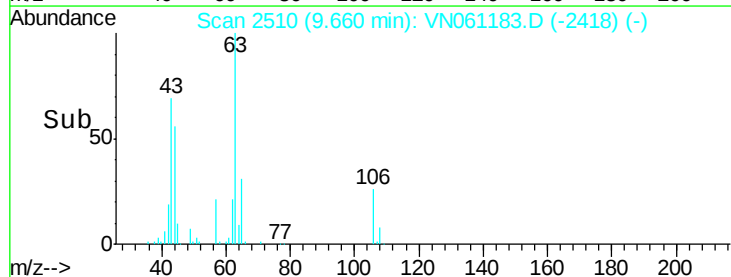
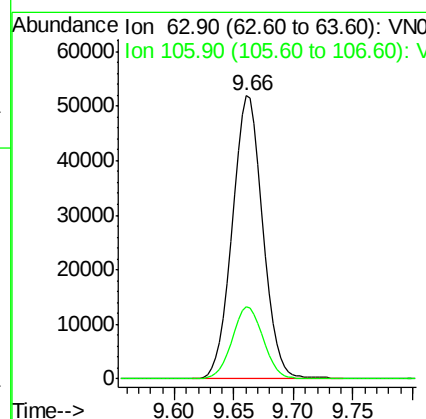
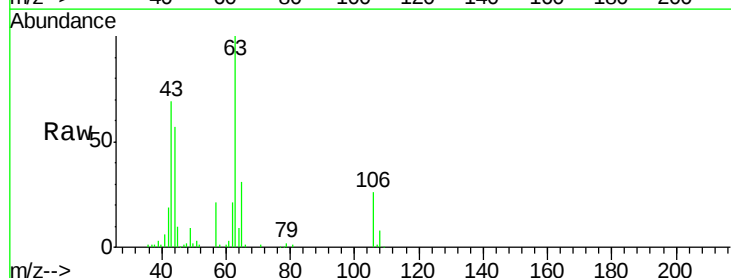
Manual Integrations
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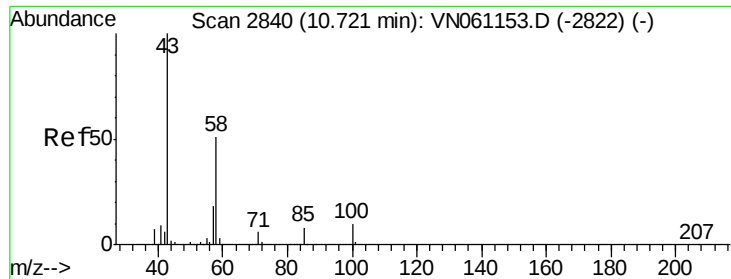
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 4/30/2020 2:11:16 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 89.445 ug/l
 RT: 9.66 min Scan# 2510
 Delta R.T. -0.00 min
 Lab File: VN061183.D
 Acq: 29 Apr 2020 11:18

Tgt Ion: 63 Resp: 92303
 Ion Ratio Lower Upper
 63 100
 106 25.9 20.6 30.8





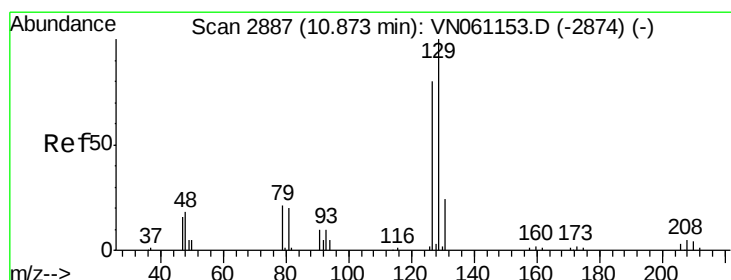
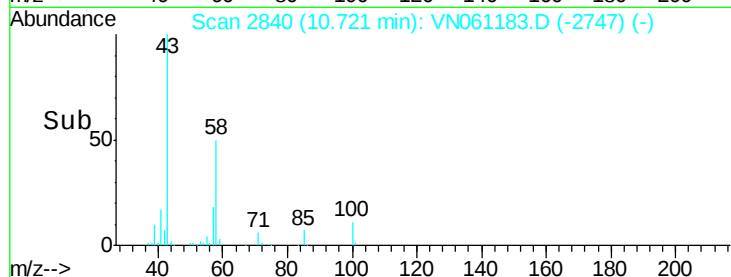
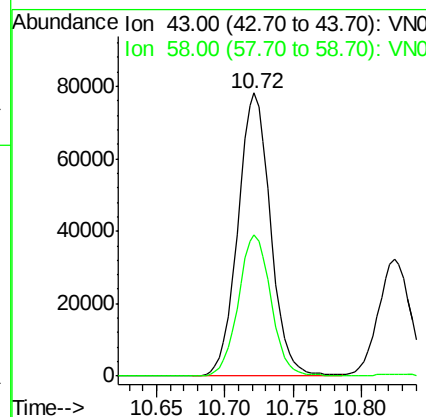
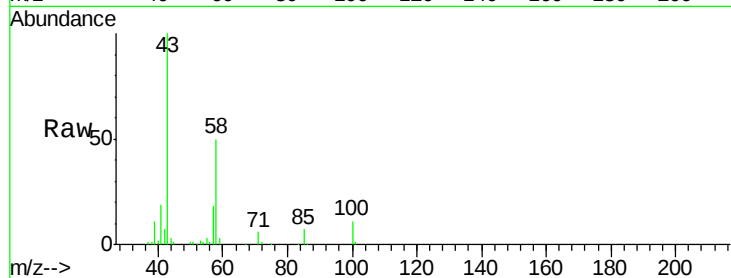
#59
2-Hexanone
Concen: 87.459 ug/l
RT: 10.72 min Scan# 2840
Delta R.T. 0.00 min
Lab File: VN061183.D
Acq: 29 Apr 2020 11:18

Instrument :
MSVOA_N
ClientSampleId :
VN0429WBS01

Tot Ion: 43 Resp: 129789
Ion Ratio Lower Upper
43 100
58 49.9 25.4 76.4

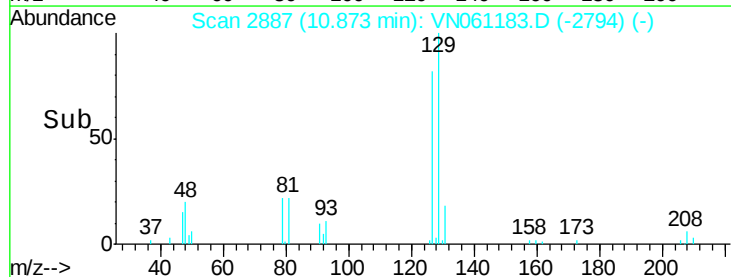
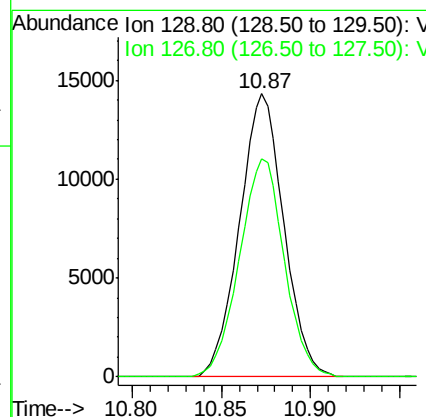
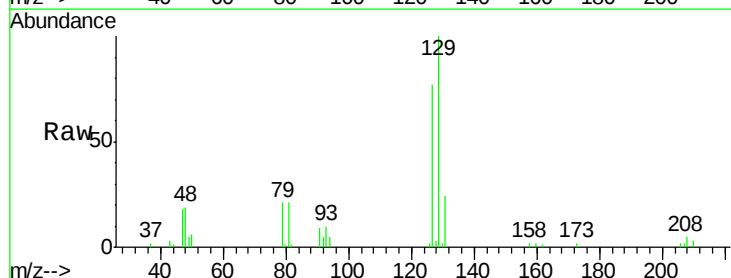
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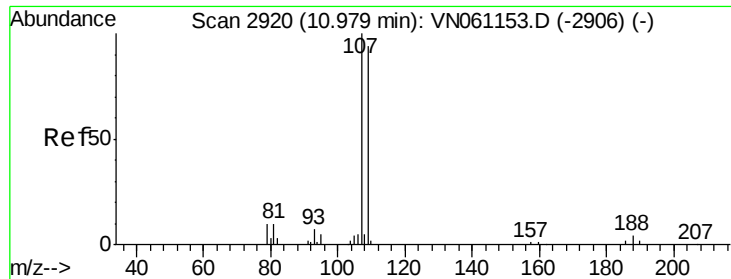
MMDadoda
4/30/2020 2:11:16 PM



#60
Dibromochloromethane
Concen: 18.570 ug/l
RT: 10.87 min Scan# 2887
Delta R.T. 0.00 min
Lab File: VN061183.D
Acq: 29 Apr 2020 11:18

Tgt Ion: 129 Resp: 24795
Ion Ratio Lower Upper
129 100
127 78.2 39.3 117.8





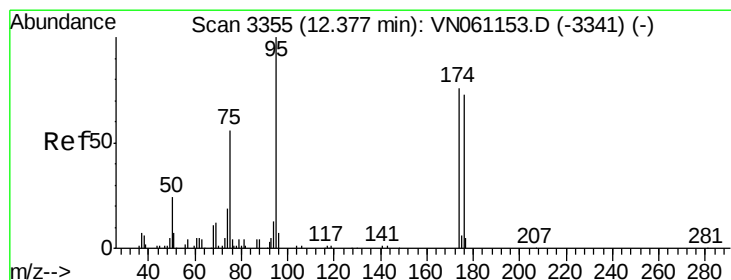
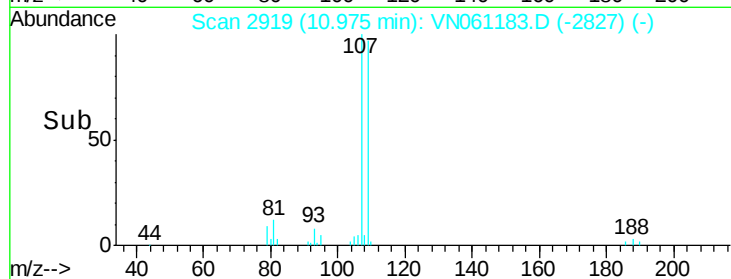
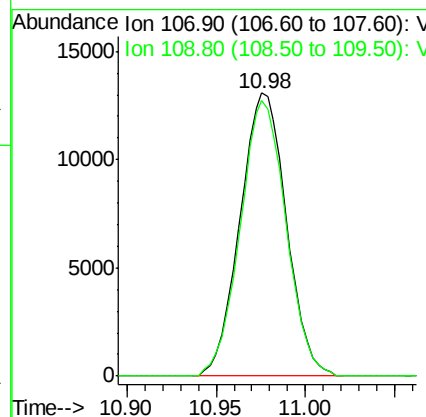
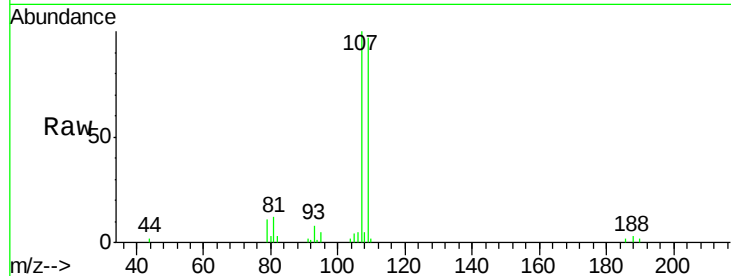
#61
 1,2-Dibromoethane
 Concen: 18.502 ug/l
 RT: 10.98 min Scan# 2919
 Delta R.T. -0.00 min
 Lab File: VN061183.D
 Acq: 29 Apr 2020 11:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0429WBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.9	74.8	112.2

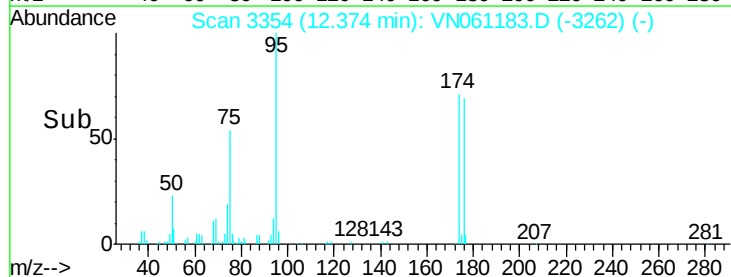
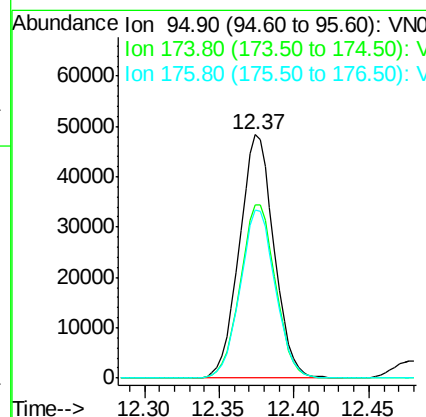
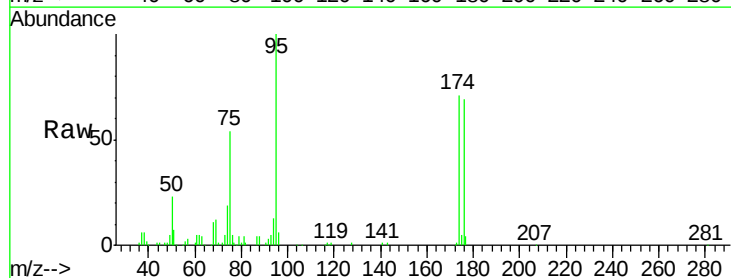
Manual Integrations
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#62
 4-Bromofluorobenzene
 Concen: 48.293 ug/l
 RT: 12.37 min Scan# 3354
 Delta R.T. -0.00 min
 Lab File: VN061183.D
 Acq: 29 Apr 2020 11:18

Tgt Ion	Ratio	Lower	Upper
95	100		
174	72.3	0.0	149.4
176	69.9	0.0	144.8





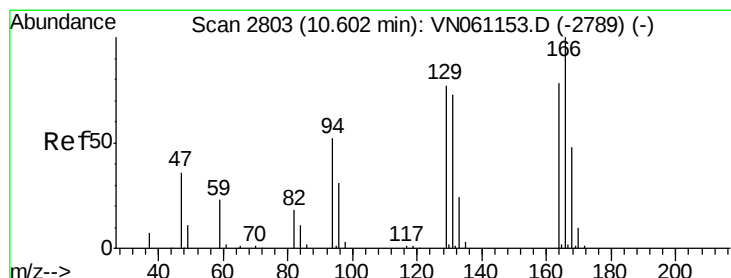
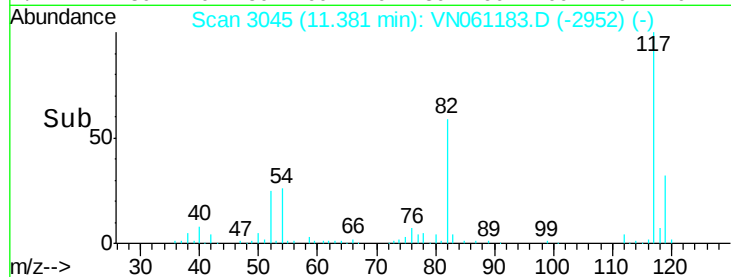
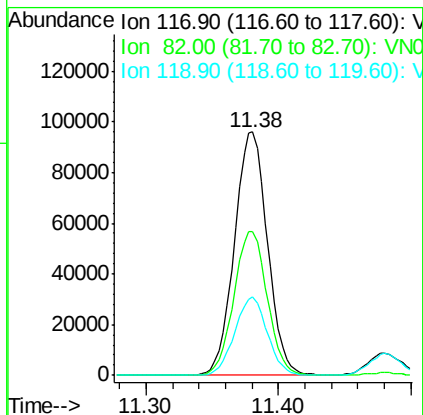
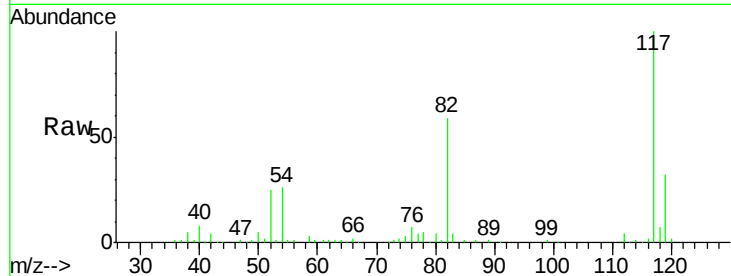
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 3045
Delta R.T. 0.00 min
Lab File: VN061183.D
Acq: 29 Apr 2020 11:18

Instrument :
MSVOA_N
ClientSampleId :
VN0429WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	59.1	47.8	71.8
119	32.1	25.8	38.6

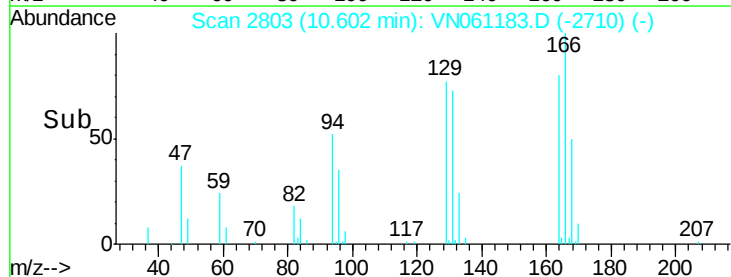
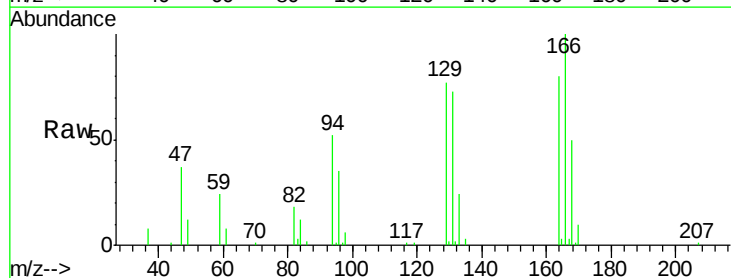
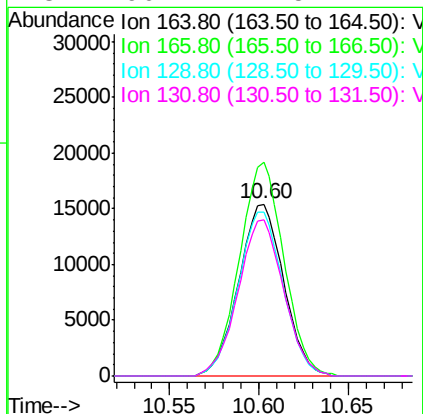
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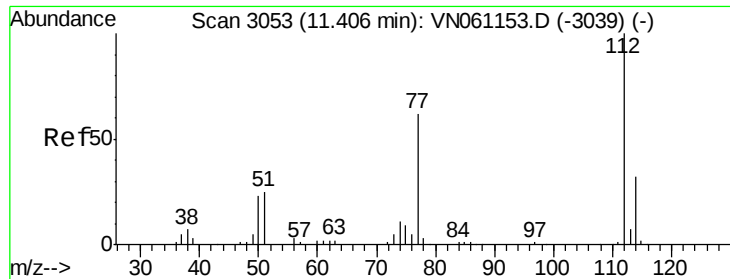
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4/30/2020 2:11:16 PM



#64
Tetrachloroethene
Concen: 18.859 ug/l
RT: 10.60 min Scan# 2803
Delta R.T. 0.00 min
Lab File: VN061183.D
Acq: 29 Apr 2020 11:18

Tgt Ion	Ratio	Lower	Upper
164	100		
166	124.4	102.0	153.0
129	95.5	78.2	117.2
131	90.7	74.5	111.7





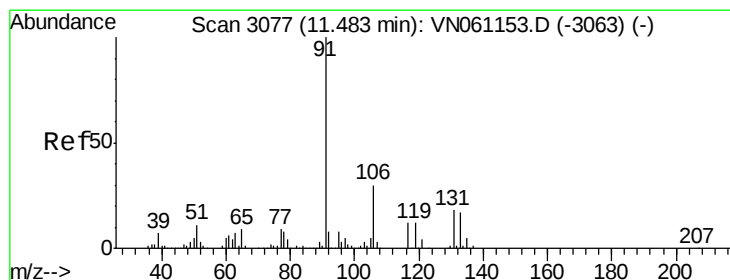
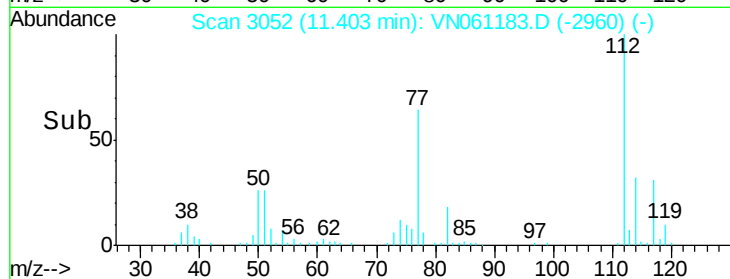
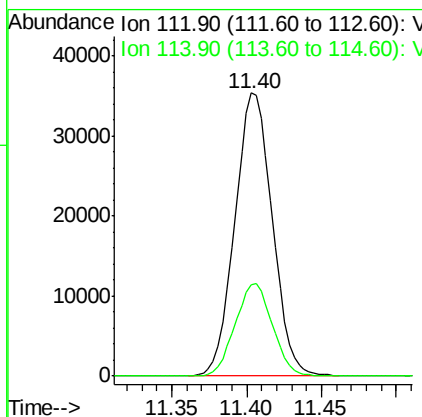
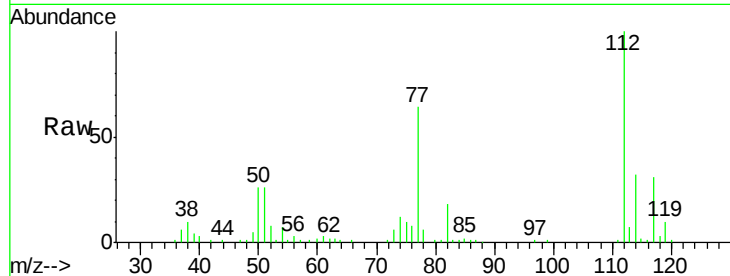
#65
Chlorobenzene
Concen: 18.754 ug/l
RT: 11.40 min Scan# 3052
Delta R.T. -0.00 min
Lab File: VN061183.D
Acq: 29 Apr 2020 11:18

Instrument :
MSVOA_N
ClientSampleId :
VN0429WBS01

Tot Ion:112 Resp: 61749
Ion Ratio Lower Upper
112 100
114 32.4 25.4 38.2

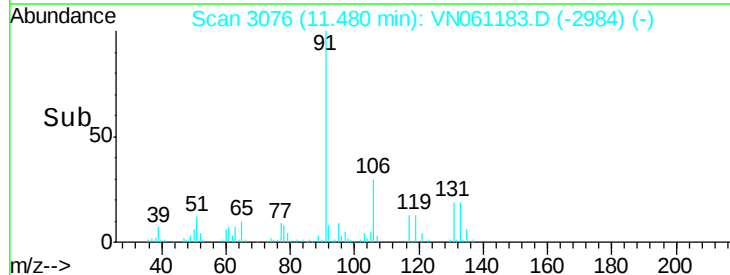
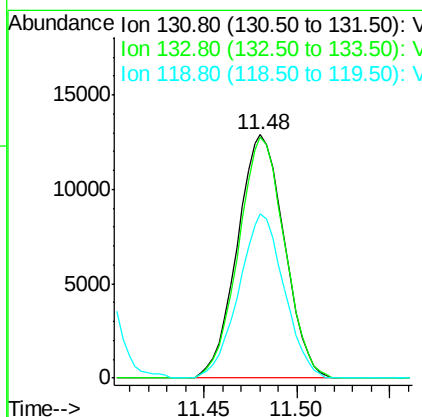
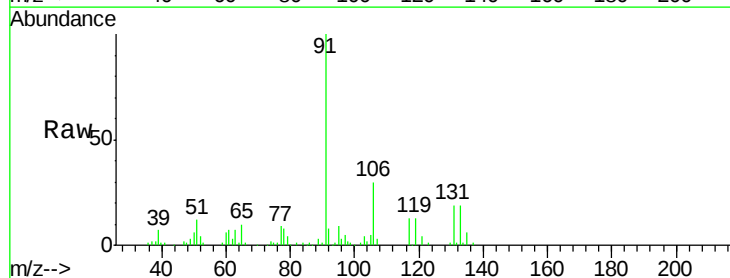
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.232 ug/l
RT: 11.48 min Scan# 3076
Delta R.T. -0.00 min
Lab File: VN061183.D
Acq: 29 Apr 2020 11:18

Tgt Ion:131 Resp: 22664
Ion Ratio Lower Upper
131 100
133 97.1 48.0 144.2
119 64.9 32.6 97.8





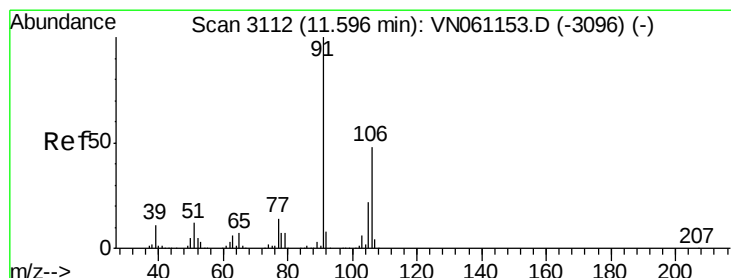
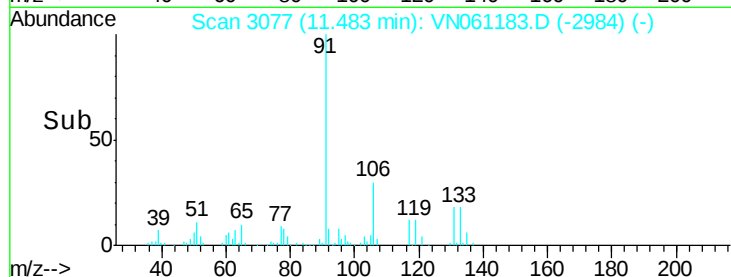
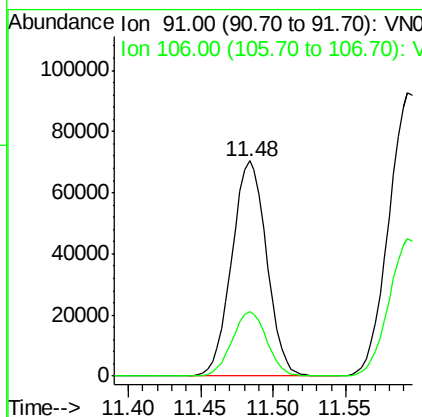
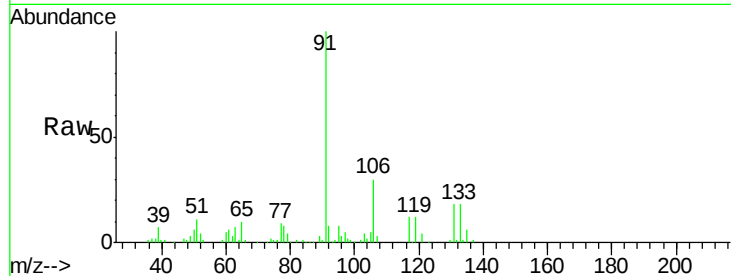
#67
Ethyl Benzene
Concen: 19.124 ug/l
RT: 11.48 min Scan# 3077
Delta R.T. 0.00 min
Lab File: VN061183.D
Acq: 29 Apr 2020 11:18

Instrument :
MSVOA_N
ClientSampleId :
VN0429WBS01

Tot Ion: 91 Resp: 117875
Ion Ratio Lower Upper
91 100
106 30.0 23.8 35.6

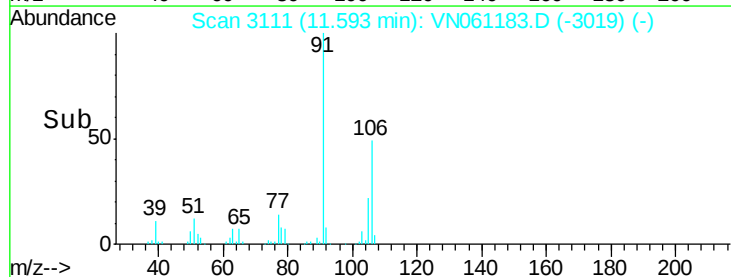
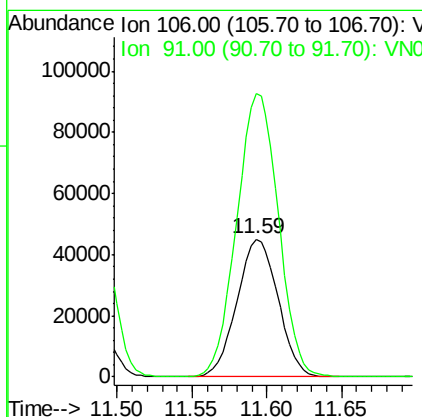
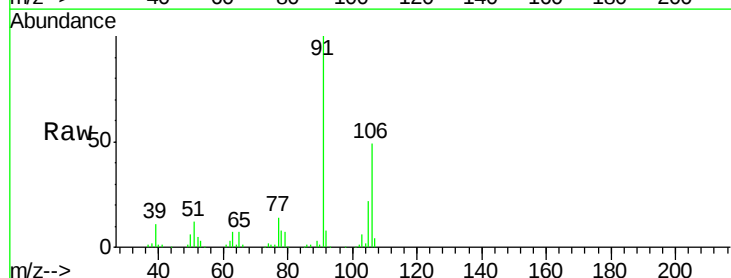
Manual Integrations
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4/30/2020 2:11:16 PM



#68
m/p-Xylenes
Concen: 38.201 ug/l
RT: 11.59 min Scan# 3111
Delta R.T. -0.00 min
Lab File: VN061183.D
Acq: 29 Apr 2020 11:18

Tgt Ion: 106 Resp: 86184
Ion Ratio Lower Upper
106 100
91 208.4 166.4 249.6





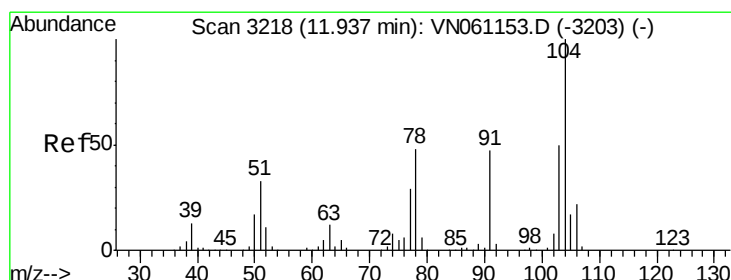
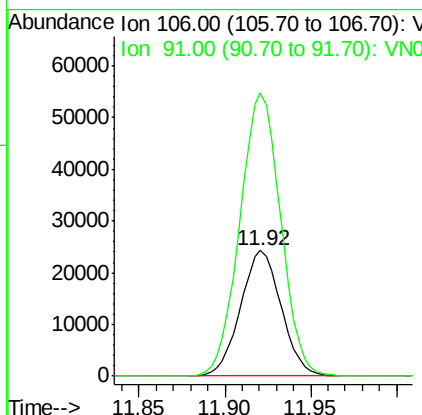
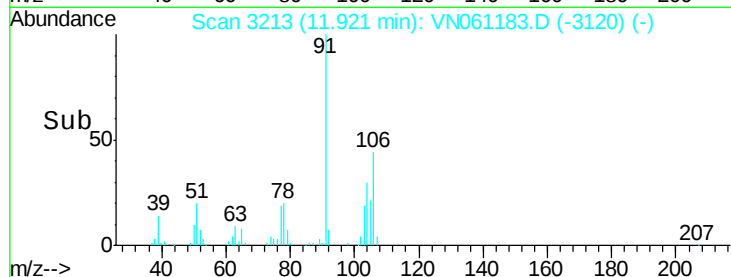
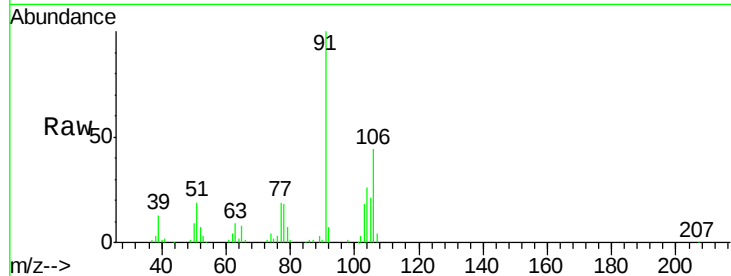
#69
o-Xylene
Concen: 18.425 ug/l
RT: 11.92 min Scan# 3213
Delta R.T. 0.00 min
Lab File: VN061183.D
Acq: 29 Apr 2020 11:18

Instrument :
MSVOA_N
ClientSampleId :
VN0429WBS01

Tot Ion:106 Resp: 39928
Ion Ratio Lower Upper
106 100
91 225.7 109.7 329.0

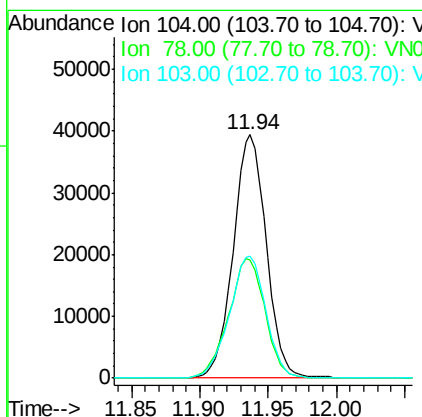
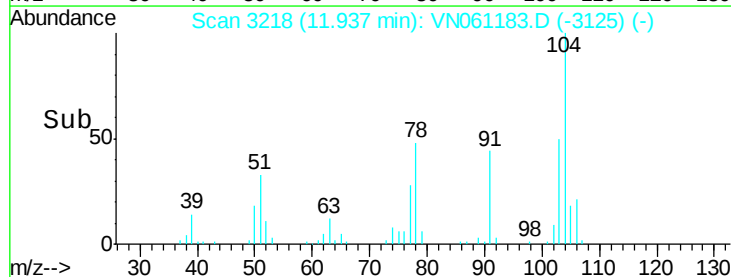
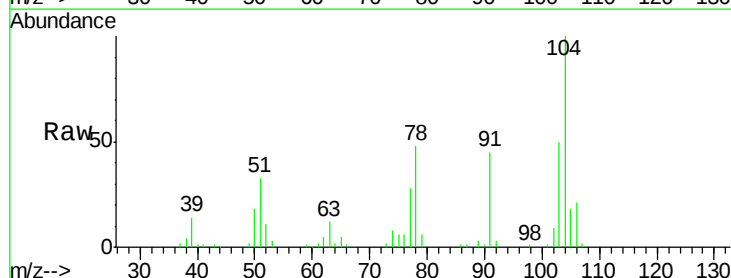
Manual Integrations
APPROVED

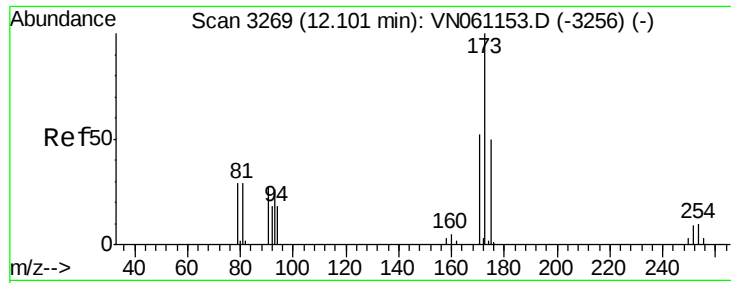
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4/30/2020 2:11:16 PM



#70
Styrene
Concen: 18.256 ug/l
RT: 11.94 min Scan# 3218
Delta R.T. 0.00 min
Lab File: VN061183.D
Acq: 29 Apr 2020 11:18

Tgt Ion:104 Resp: 66214
Ion Ratio Lower Upper
104 100
78 54.1 42.1 63.1
103 54.9 43.3 64.9





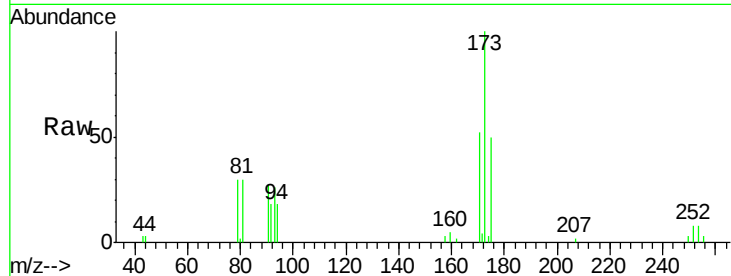
#71
Bromoform
Concen: 18.529 ug/l
RT: 12.10 min Scan# 3269
Delta R.T. 0.00 min
Lab File: VN061183.D
Acq: 29 Apr 2020 11:18

Instrument :
MSVOA_N
ClientSampleId :
VN0429WBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.3	24.1	72.4
254	0.0	0.0	0.0

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4/30/2020 2:11:16 PM

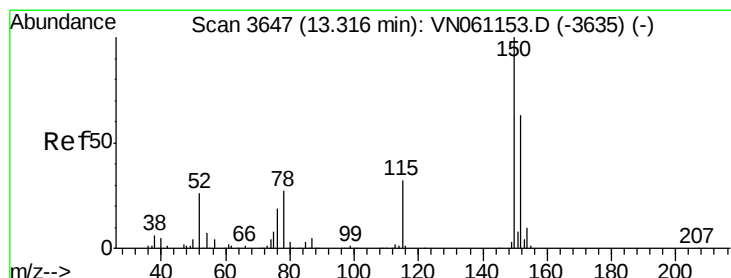
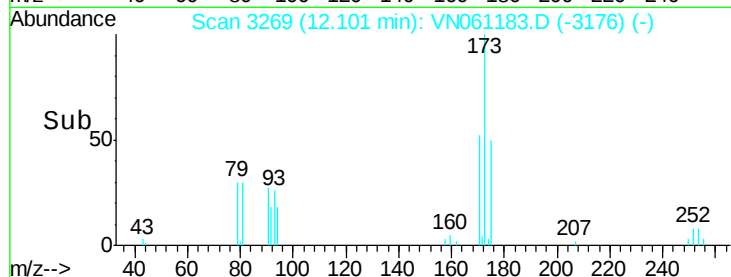
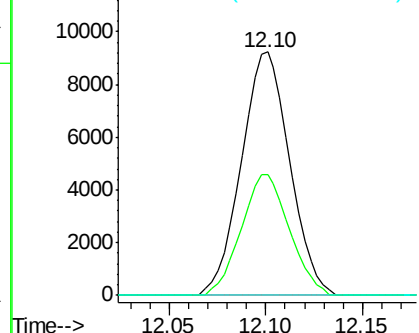


Abundance

Ion 172.70 (172.40 to 173.40): V

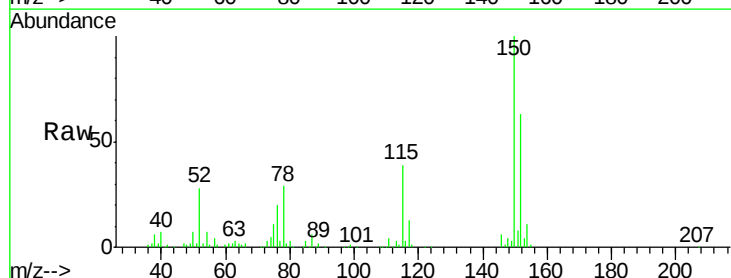
Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3647
Delta R.T. 0.00 min
Lab File: VN061183.D
Acq: 29 Apr 2020 11:18

Tgt Ion	Ratio	Lower	Upper
152	100		
115	62.1	31.0	93.0
150	164.6	0.0	351.8

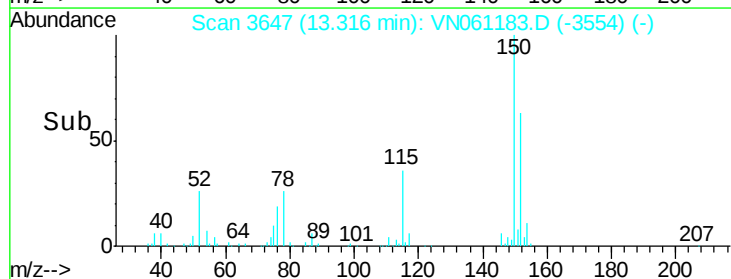
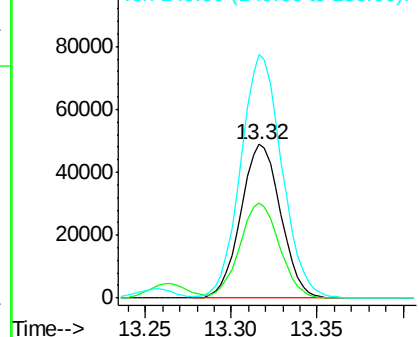


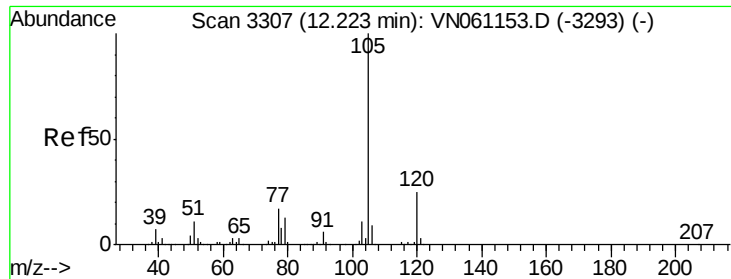
Abundance

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: 19.015 ug/l

RT: 12.22 min Scan# 3307

Delta R.T. 0.00 min

Lab File: VN061183.D

Acq: 29 Apr 2020 11:18

Instrument :

MSVOA_N

ClientSampleId :

VN0429WBS01

Tot Ion:105 Resp: 110033

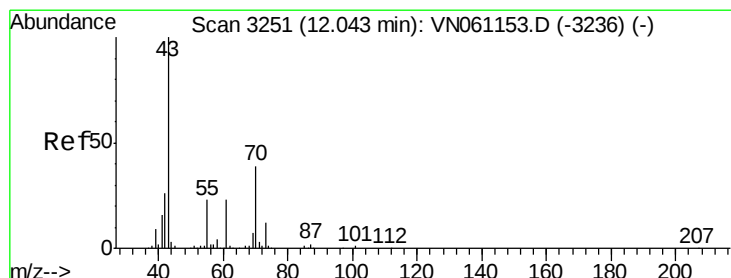
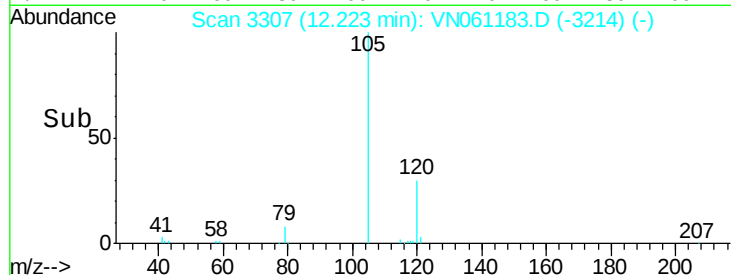
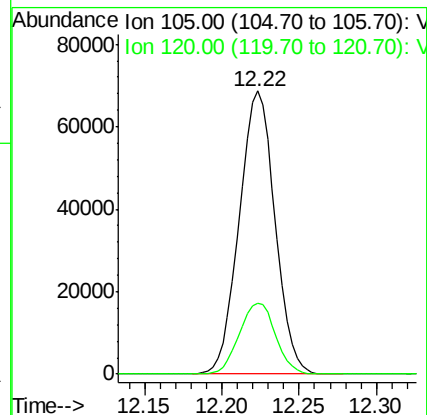
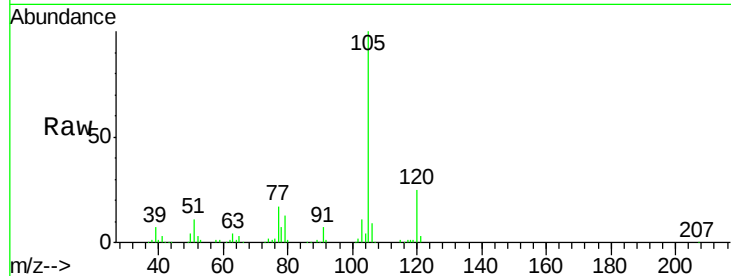
Ion Ratio Lower Upper

105 100

120 25.5 12.6 37.8

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#74

N-ethyl acetate

Concen: 17.475 ug/l

RT: 12.04 min Scan# 3251

Delta R.T. 0.00 min

Lab File: VN061183.D

Acq: 29 Apr 2020 11:18

Tgt Ion: 43 Resp: 51207

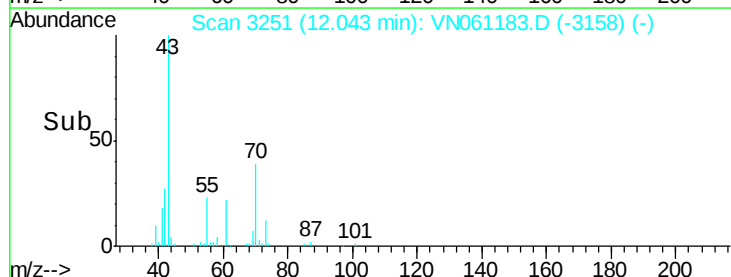
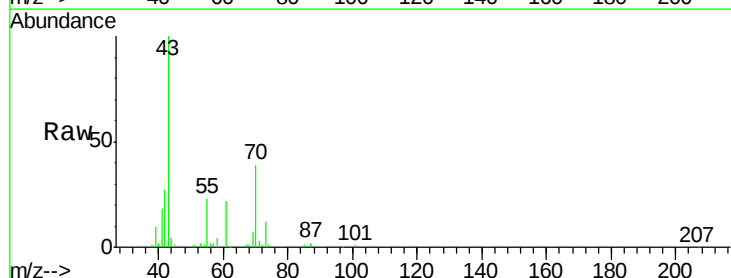
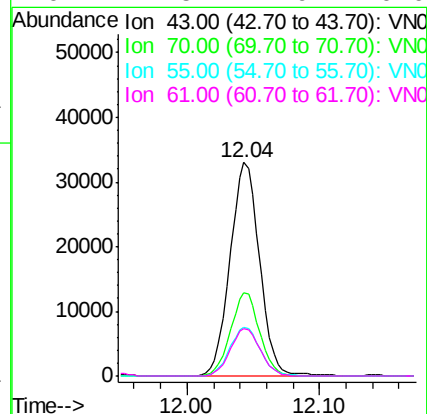
Ion Ratio Lower Upper

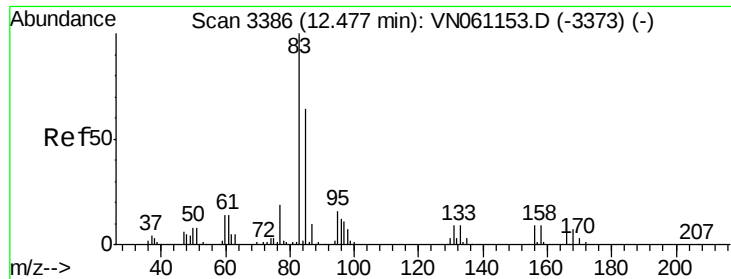
43 100

70 38.2 30.6 46.0

55 23.4 18.5 27.7

61 22.5 17.9 26.9





#75

1,1,2,2-Tetrachloroethane

Concen: 19.031 ug/l

RT: 12.48 min Scan# 3386

Delta R.T. 0.00 min

Lab File: VN061183.D

Acq: 29 Apr 2020 11:18

Instrument :

MSVOA_N

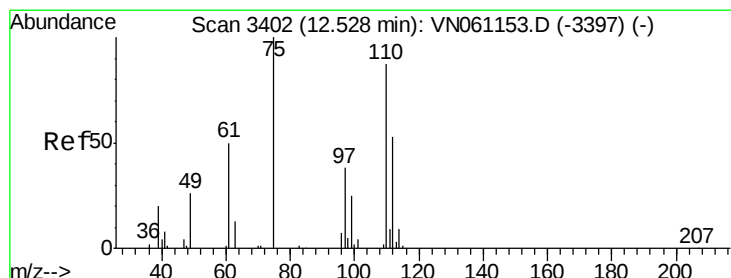
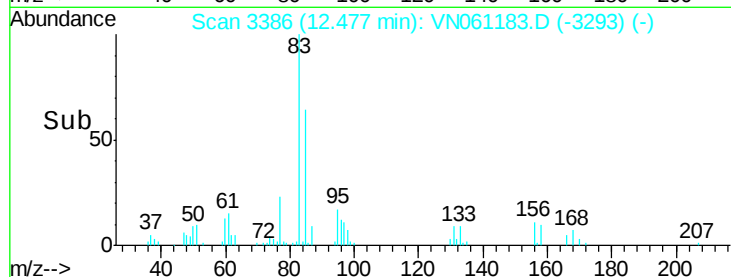
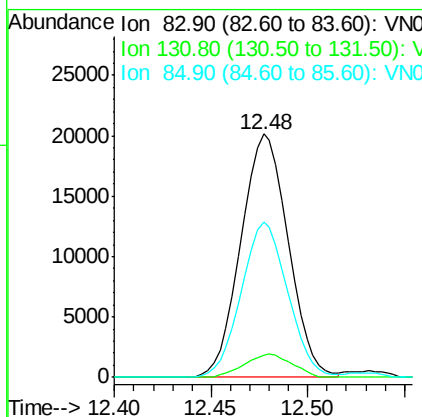
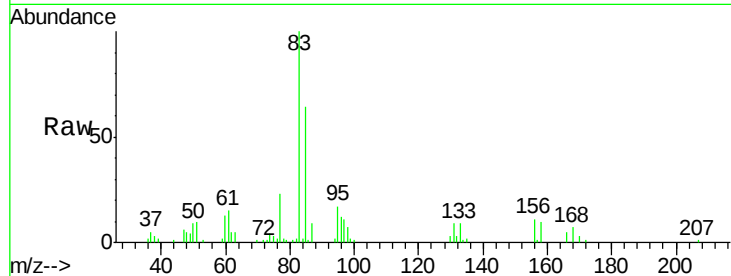
ClientSampleId :

VN0429WBS01

Tot Ion:	83	Resp:	34339
Ion Ratio	Lower	Upper	
83	100		
131	9.5	4.8	14.3
85	62.7	32.0	96.0

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#76

1,2,3-Trichloropropane

Concen: 19.767 ug/l m

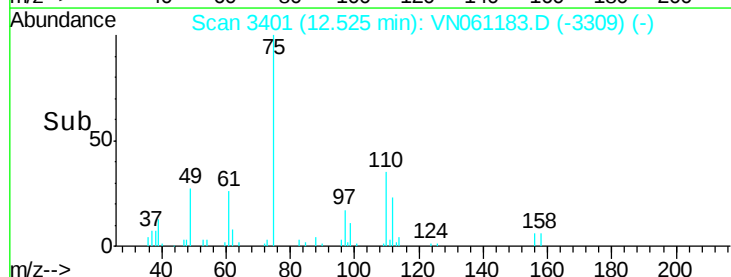
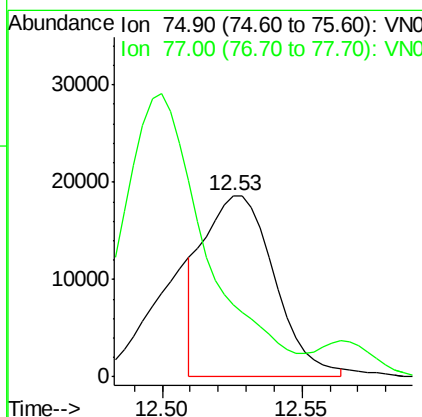
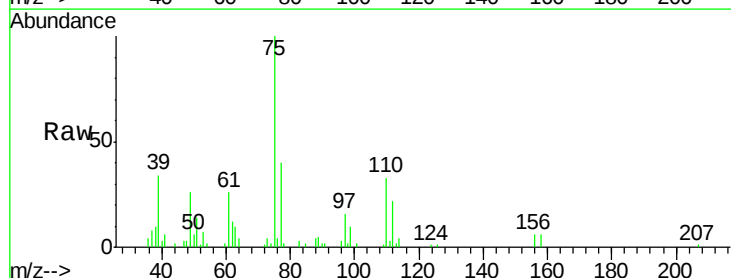
RT: 12.53 min Scan# 3401

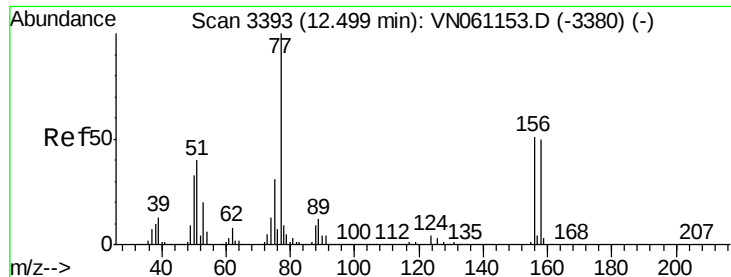
Delta R.T. -0.00 min

Lab File: VN061183.D

Acq: 29 Apr 2020 11:18

Tgt Ion:	75	Resp:	32803
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 19.279 ug/l

RT: 12.50 min Scan# 3393

Delta R.T. 0.00 min

Lab File: VN061183.D

Acq: 29 Apr 2020 11:18

Instrument :

MSVOA_N

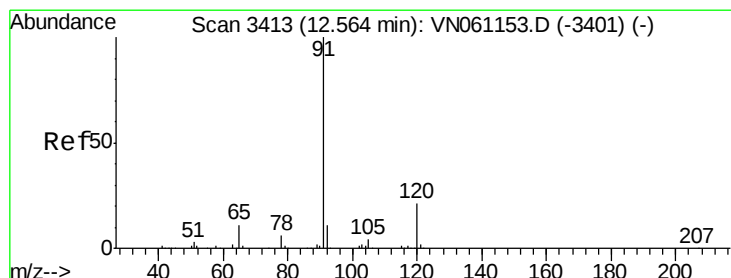
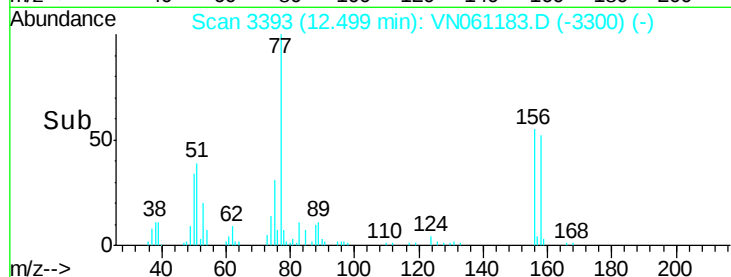
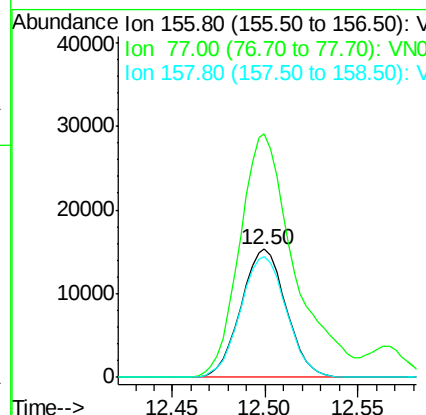
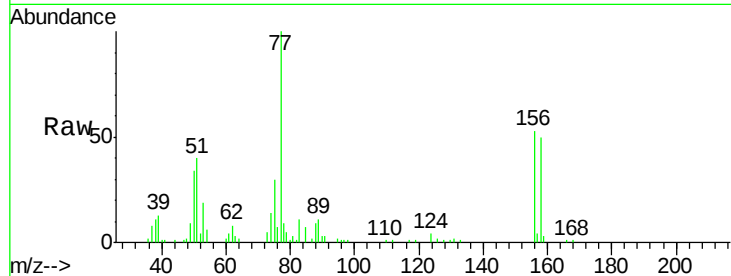
ClientSampleId :

VN0429WBS01

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	232.7	117.4	352.2	
158	96.5	48.4	145.0	

Manual Integrations
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#78

n-propylbenzene

Concen: 19.355 ug/l

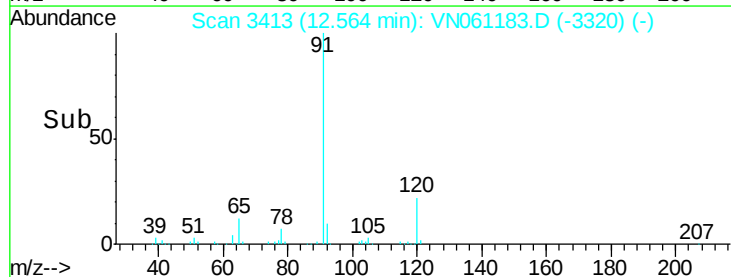
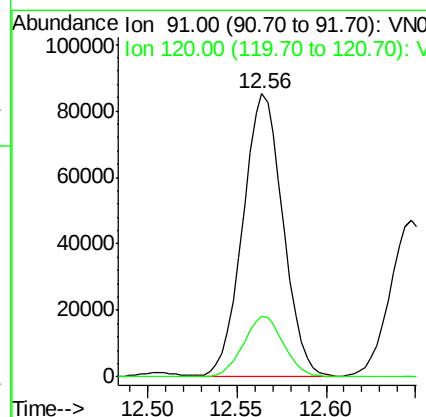
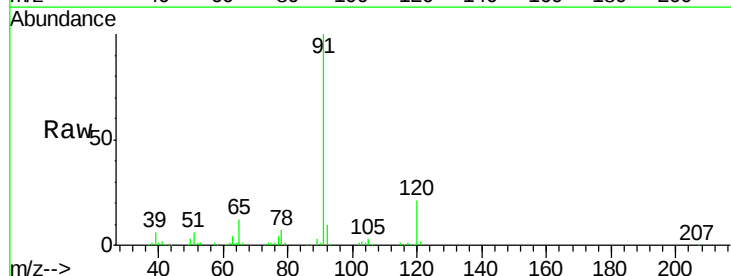
RT: 12.56 min Scan# 3413

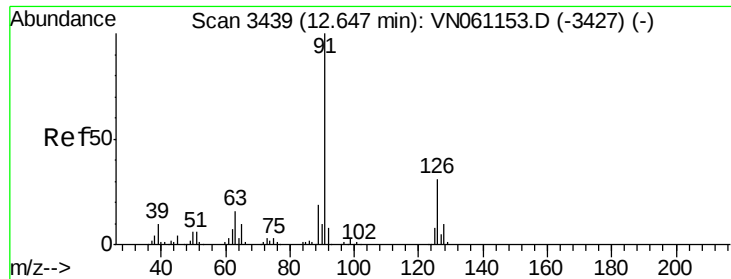
Delta R.T. 0.00 min

Lab File: VN061183.D

Acq: 29 Apr 2020 11:18

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	21.5	10.8	32.3	





#79

2-Chlorotoluene

Concen: 19.400 ug/l

RT: 12.65 min Scan# 3439

Delta R.T. 0.00 min

Lab File: VN061183.D

Acq: 29 Apr 2020 11:18

Instrument :

MSVOA_N

ClientSampled :

VN0429WBS01

Tot Ion: 91 Resp: 78265

Ion Ratio Lower Upper

91 100

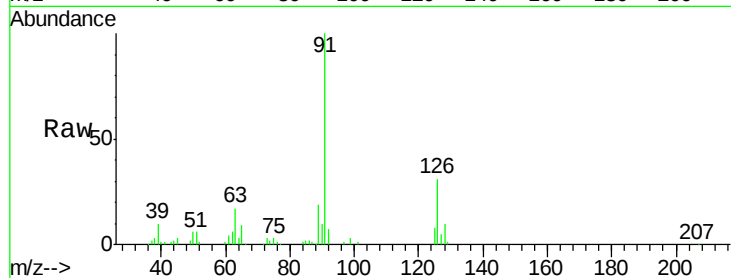
126 31.7 15.9 47.7

Manual Integrations

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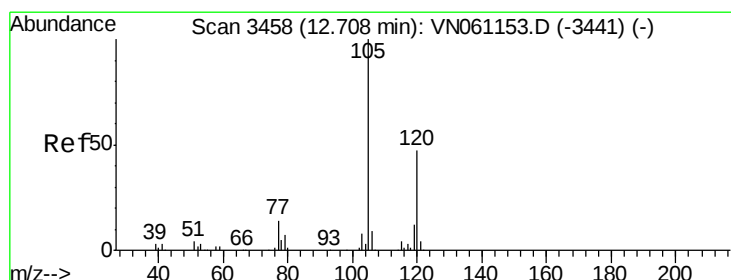
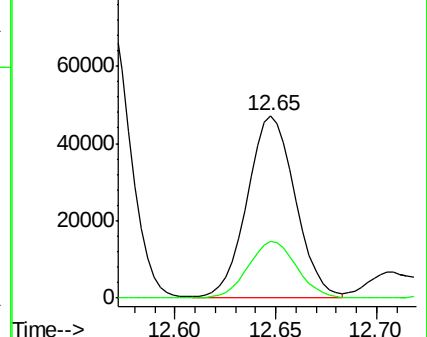
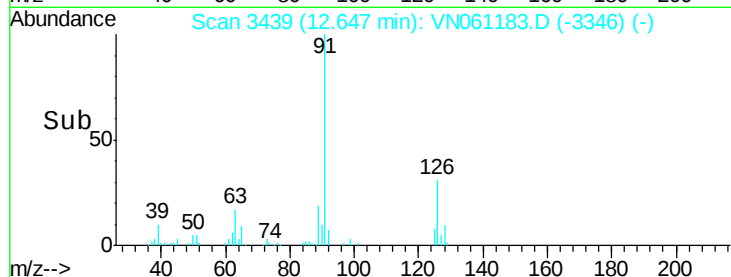
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Abundance Ion 91.00 (90.70 to 91.70): VN061183.D (-3439) (-)

Ion 125.90 (125.60 to 126.60): VN061183.D (-3439) (-)



#80

1,3,5-Trimethylbenzene

Concen: 19.505 ug/l

RT: 12.71 min Scan# 3458

Delta R.T. 0.00 min

Lab File: VN061183.D

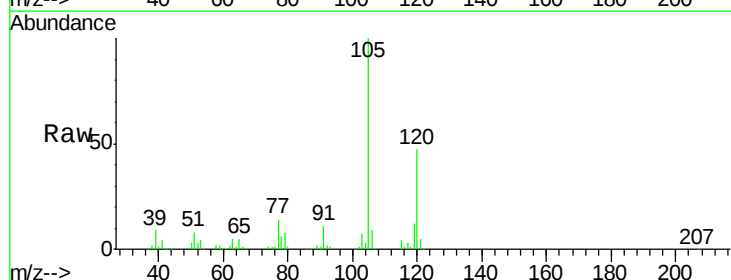
Acq: 29 Apr 2020 11:18

Tgt Ion: 105 Resp: 93418

Ion Ratio Lower Upper

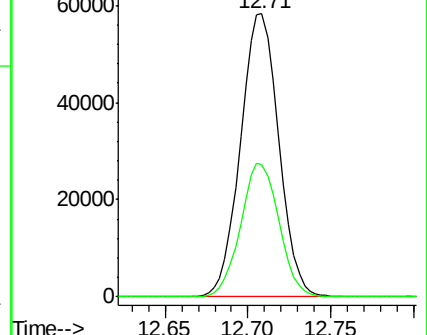
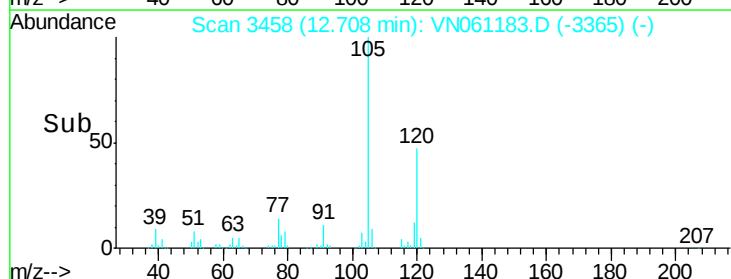
105 100

120 47.3 23.9 71.7



Abundance Ion 105.00 (104.70 to 105.70): VN061183.D (-3458) (-)

Ion 120.00 (119.70 to 120.70): VN061183.D (-3458) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 18.019 ug/l

RT: 12.27 min Scan# 3323

Delta R.T. 0.00 min

Lab File: VN061183.D

Acq: 29 Apr 2020 11:18

Instrument :

MSVOA_N

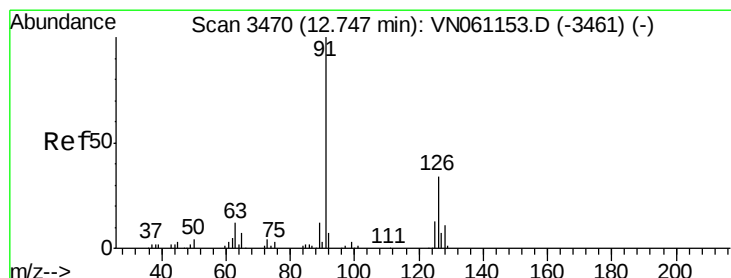
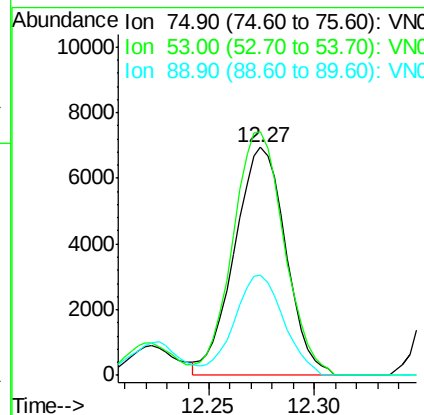
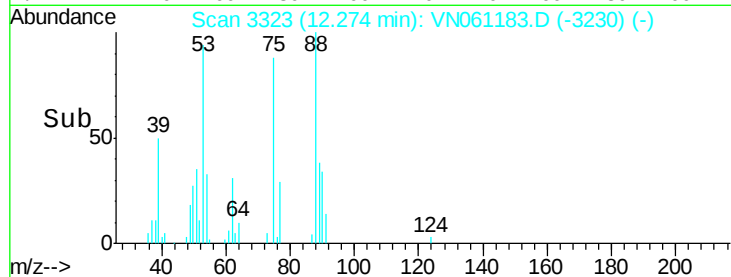
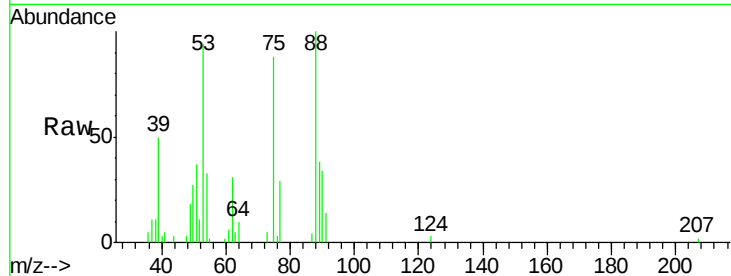
ClientSampleId :

VN0429WBS01

Tot Ion:	75	Resp:	11775
Ion	Ratio	Lower	Upper
75	100		
53	107.0	84.1	126.1
89	42.3	35.2	52.8

Manual Integrations
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#82

4-Chlorotoluene

Concen: 19.105 ug/l

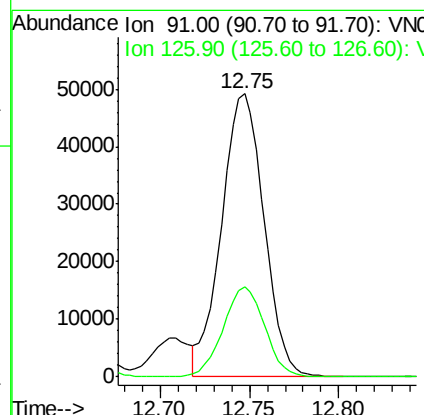
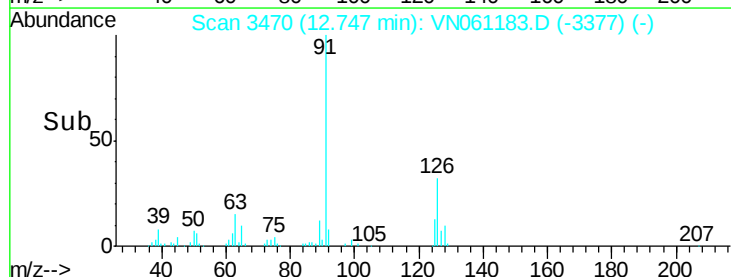
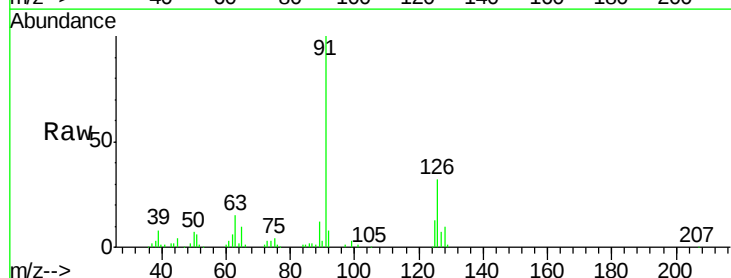
RT: 12.75 min Scan# 3470

Delta R.T. 0.00 min

Lab File: VN061183.D

Acq: 29 Apr 2020 11:18

Tgt Ion:	91	Resp:	81235
Ion	Ratio	Lower	Upper
91	100		
126	30.9	15.7	47.1





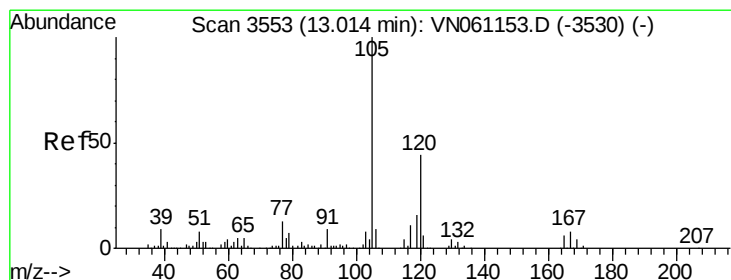
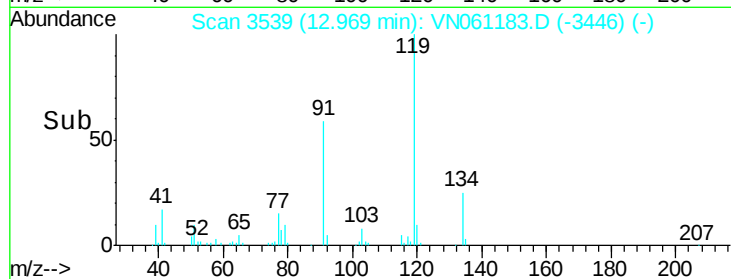
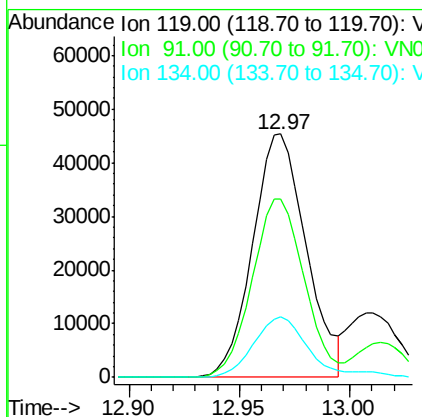
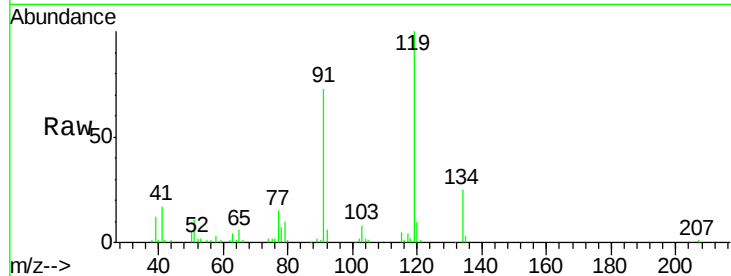
#83
 tert-Butylbenzene
 Concen: 18.938 ug/l
 RT: 12.97 min Scan# 3539
 Delta R.T. 0.00 min
 Lab File: VN061183.D
 Acq: 29 Apr 2020 11:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0429WBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	71.1	34.8	104.4
134	26.0	12.9	38.7

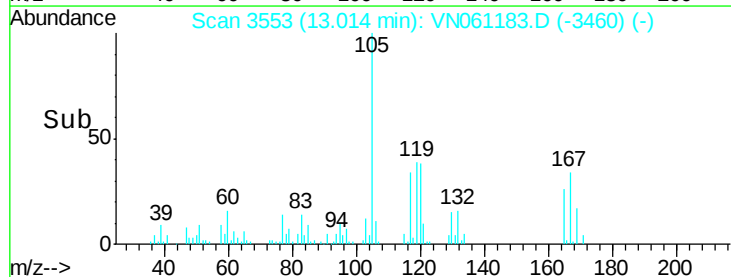
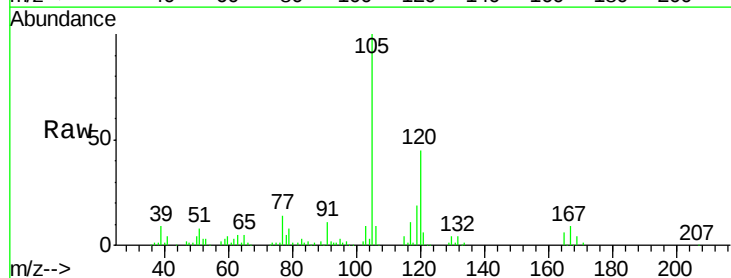
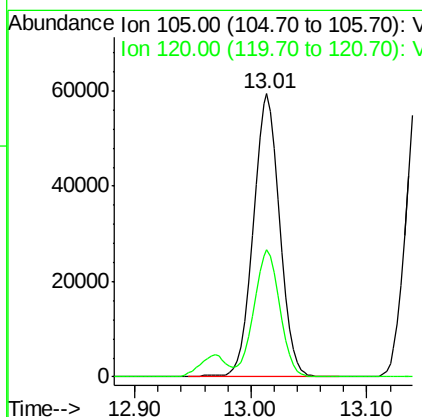
Manual Integrations
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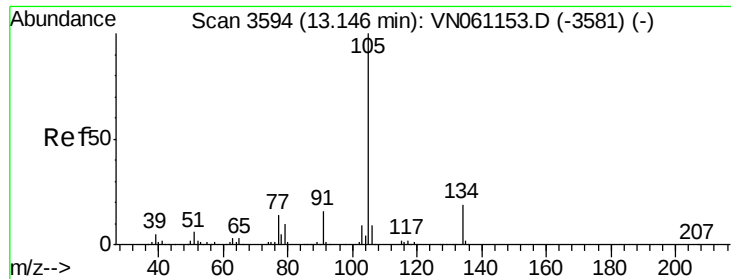
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#84
 1,2,4-Trimethylbenzene
 Concen: 19.147 ug/l
 RT: 13.01 min Scan# 3553
 Delta R.T. 0.00 min
 Lab File: VN061183.D
 Acq: 29 Apr 2020 11:18

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.3	22.2	66.6





#85

sec-Butylbenzene

Concen: 19.448 ug/l

RT: 13.15 min Scan# 3594

Delta R.T. 0.00 min

Lab File: VN061183.D

Acq: 29 Apr 2020 11:18

Instrument :

MSVOA_N

ClientSampleId :

VN0429WBS01

Tot Ion:105 Resp: 107079

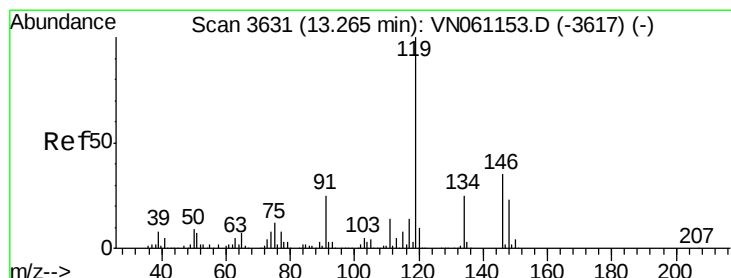
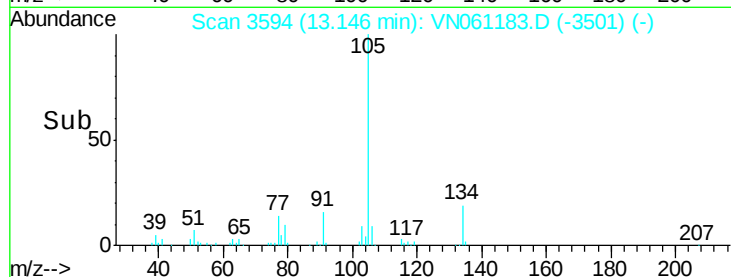
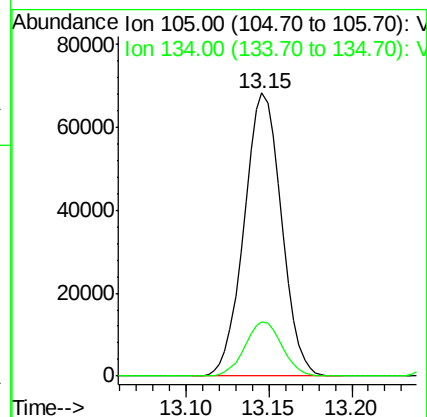
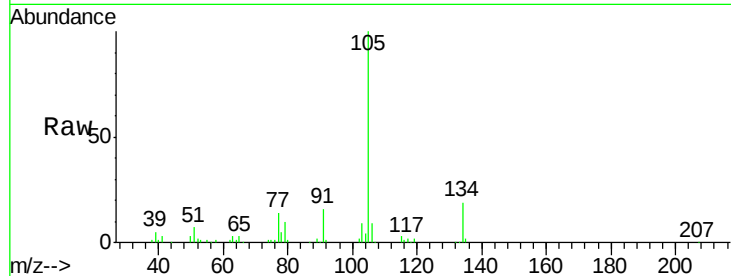
Ion Ratio Lower Upper

105 100

134 19.0 9.6 28.8

Manual Integrations
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#86

p-Isopropyltoluene

Concen: 19.244 ug/l

RT: 13.26 min Scan# 3630

Delta R.T. -0.00 min

Lab File: VN061183.D

Acq: 29 Apr 2020 11:18

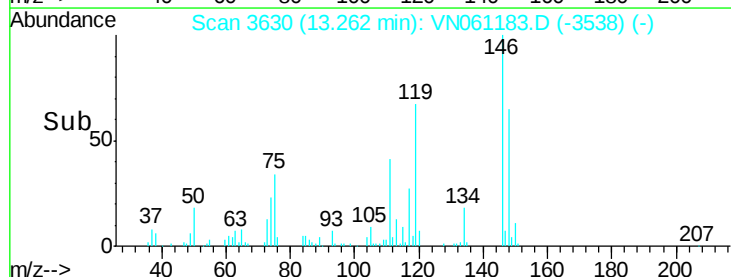
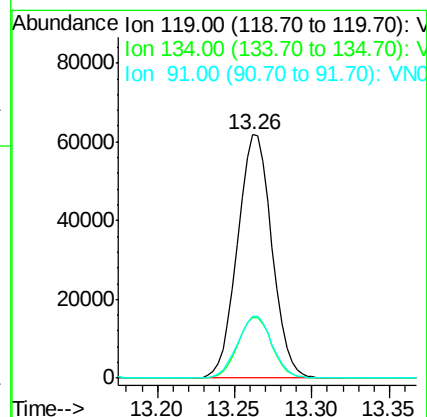
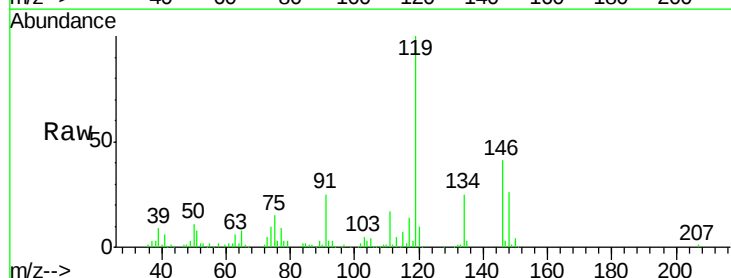
Tgt Ion:119 Resp: 95468

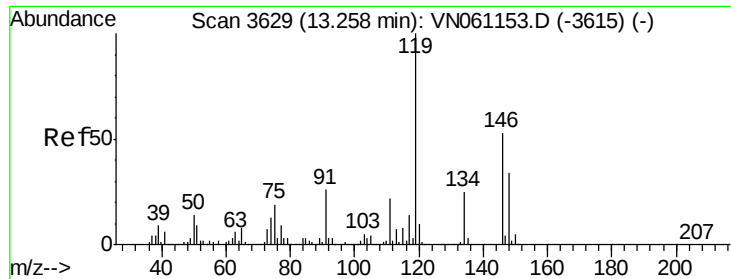
Ion Ratio Lower Upper

119 100

134 24.8 12.6 37.6

91 25.7 12.7 38.0





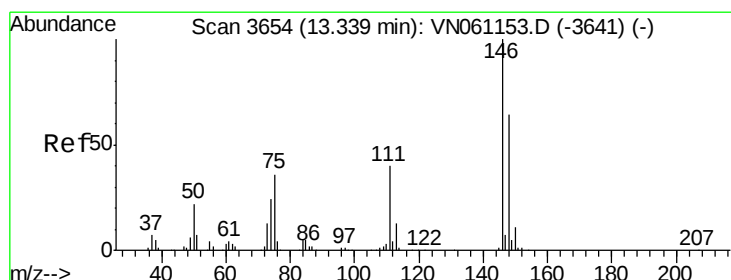
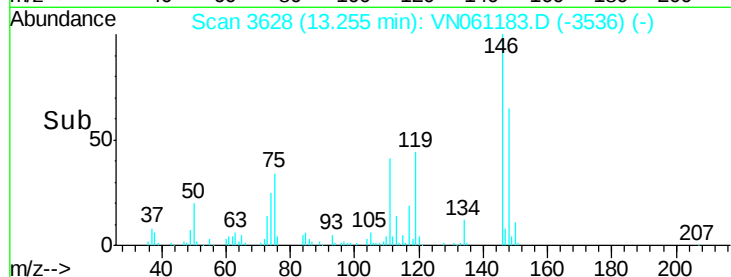
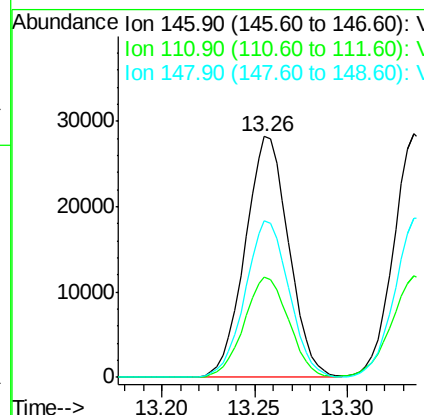
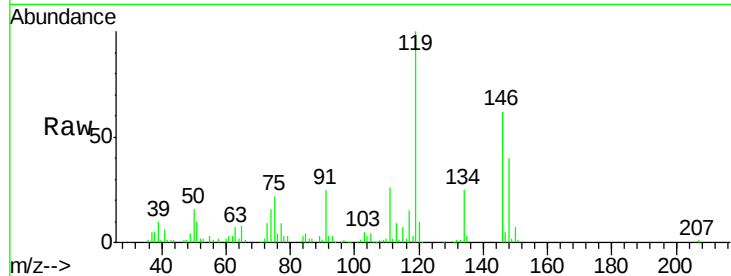
#87
 1,3-Dichlorobenzene
 Concen: 18.739 ug/l
 RT: 13.26 min Scan# 3628
 Delta R.T. -0.00 min
 Lab File: VN061183.D
 Acq: 29 Apr 2020 11:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0429WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.4	20.7	62.1
148	65.1	31.8	95.3

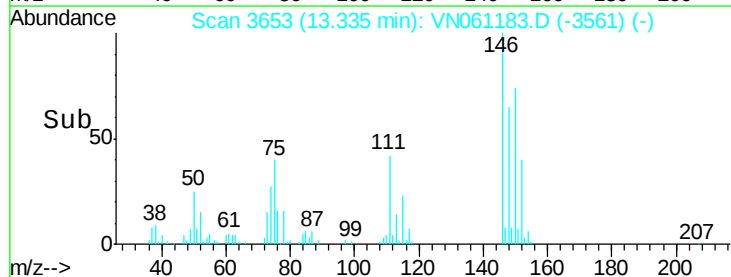
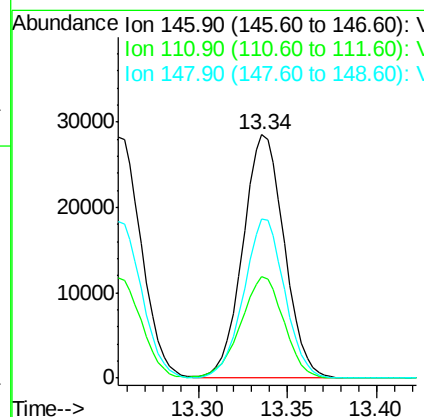
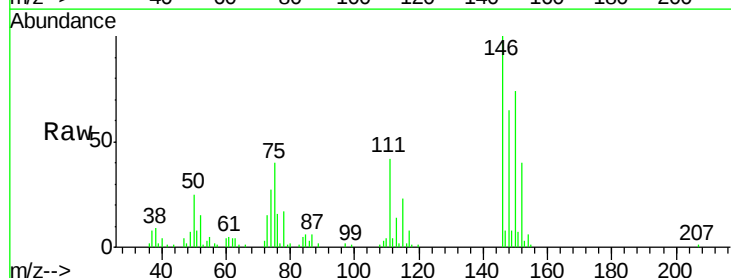
Manual Integrations
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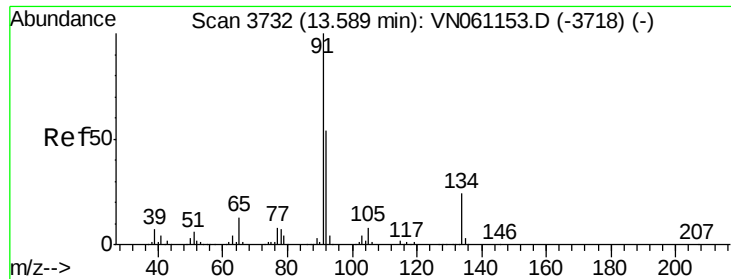
MMDadoda
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#88
 1,4-Dichlorobenzene
 Concen: 18.461 ug/l
 RT: 13.34 min Scan# 3653
 Delta R.T. -0.00 min
 Lab File: VN061183.D
 Acq: 29 Apr 2020 11:18

Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.4	20.4	61.3
148	64.5	31.9	95.7





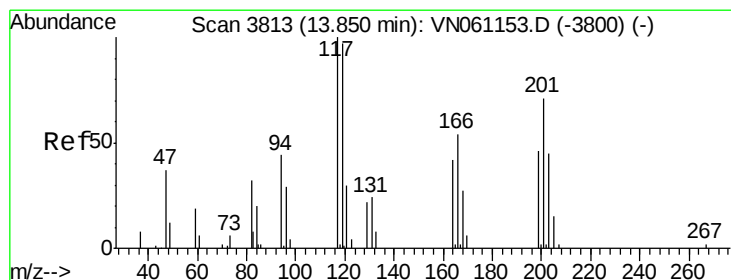
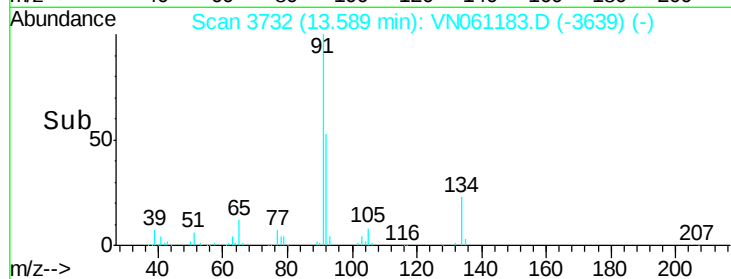
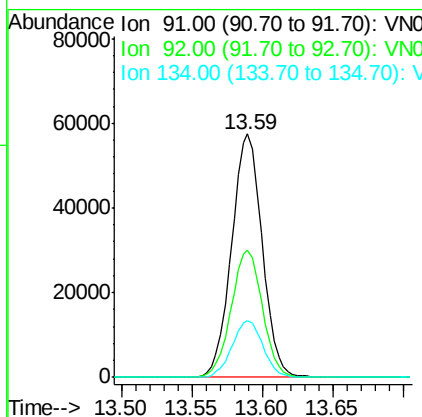
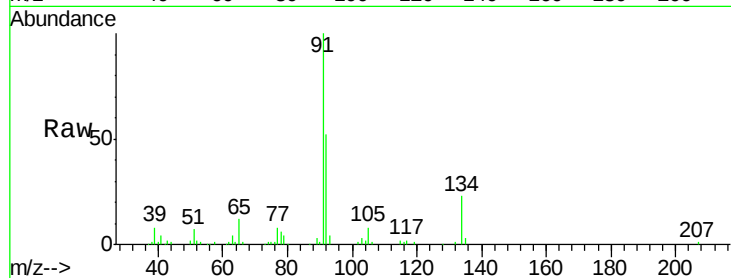
#89
n-Butylbenzene
Concen: 19.204 ug/l
RT: 13.59 min Scan# 3732
Delta R.T. 0.00 min
Lab File: VN061183.D
Acq: 29 Apr 2020 11:18

Instrument :
MSVOA_N
ClientSampleId :
VN0429WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.9	26.8	80.3
134	23.5	11.9	35.5

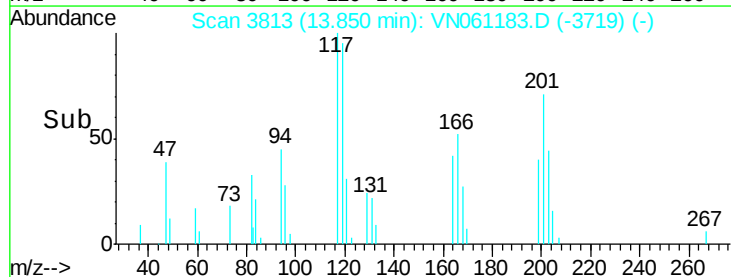
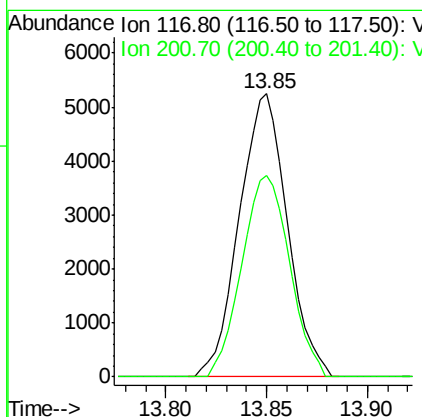
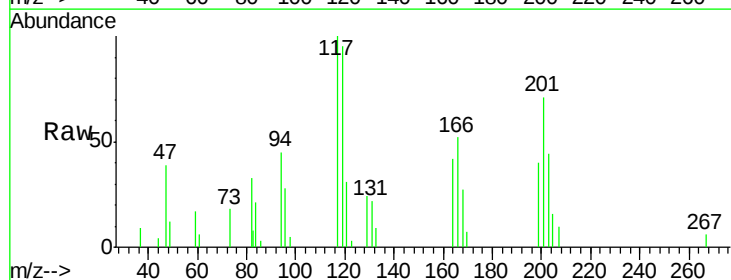
Manual Integrations
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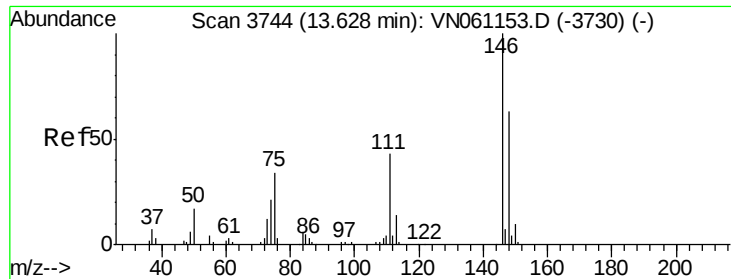
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#90
Hexachloroethane
Concen: 21.947 ug/l
RT: 13.85 min Scan# 3813
Delta R.T. 0.00 min
Lab File: VN061183.D
Acq: 29 Apr 2020 11:18

Tgt Ion	Ratio	Lower	Upper
117	100		
201	70.8	35.5	106.7





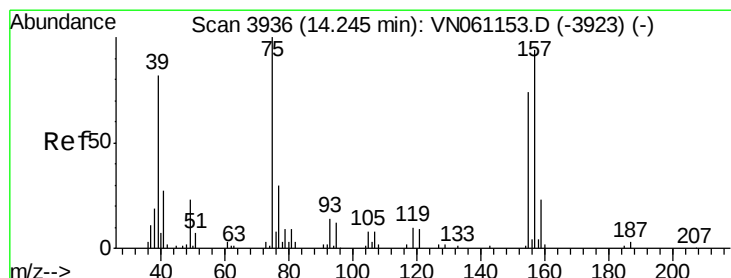
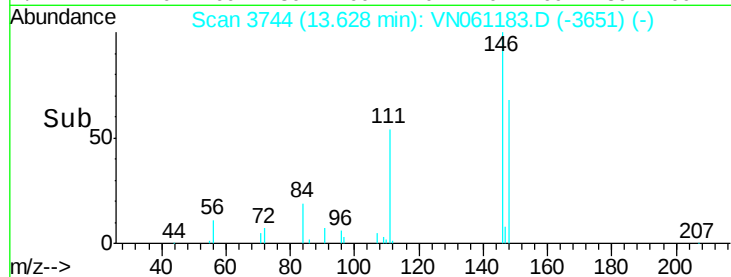
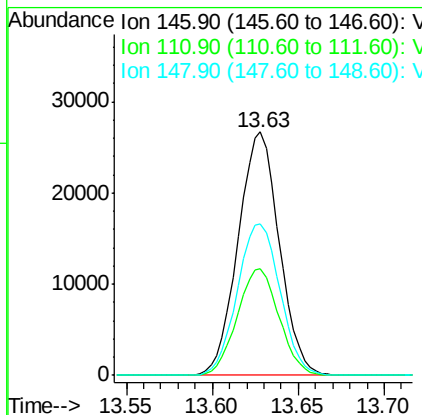
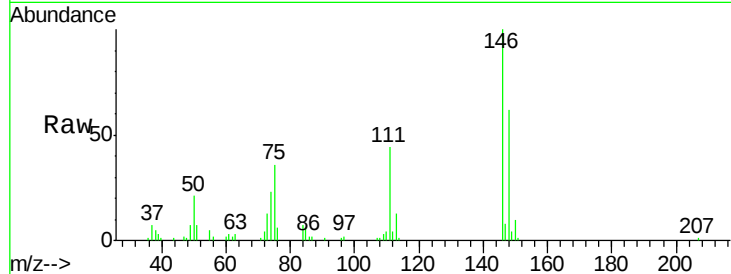
#91
 1,2-Dichlorobenzene
 Concen: 18.771 ug/l
 RT: 13.63 min Scan# 3744
 Delta R.T. 0.00 min
 Lab File: VN061183.D
 Acq: 29 Apr 2020 11:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0429WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.3	21.8	65.3
148	64.5	31.6	95.0

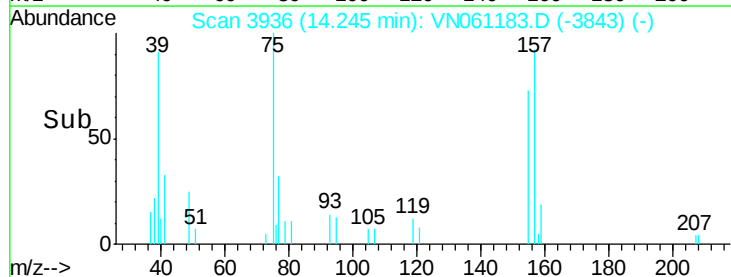
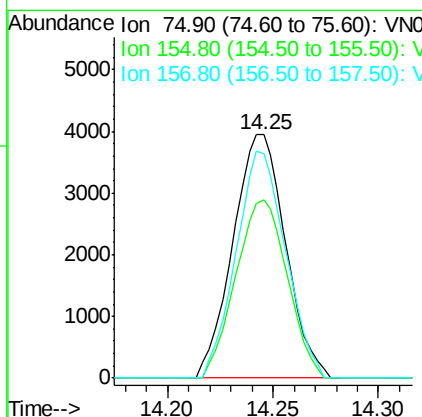
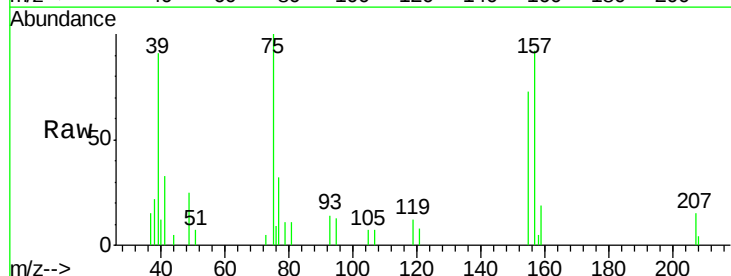
Manual Integrations
 APPROVED

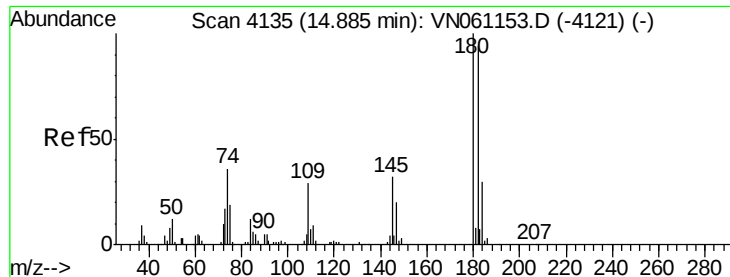
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 4/30/2020 2:11:16 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.959 ug/l
 RT: 14.25 min Scan# 3936
 Delta R.T. 0.00 min
 Lab File: VN061183.D
 Acq: 29 Apr 2020 11:18

Tgt Ion	Ratio	Lower	Upper
75	100		
155	71.5	36.5	109.7
157	87.6	46.6	139.7





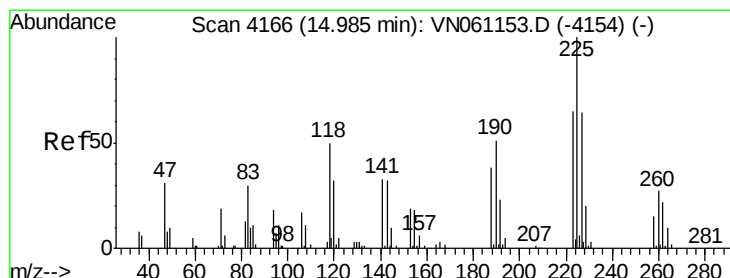
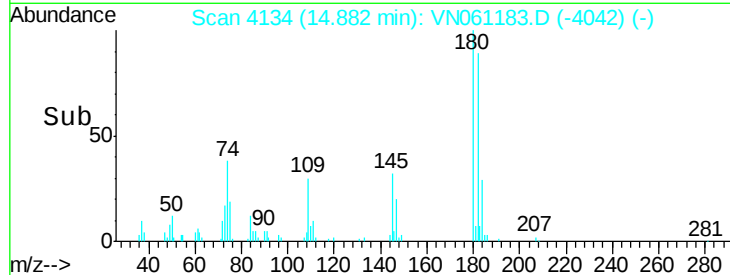
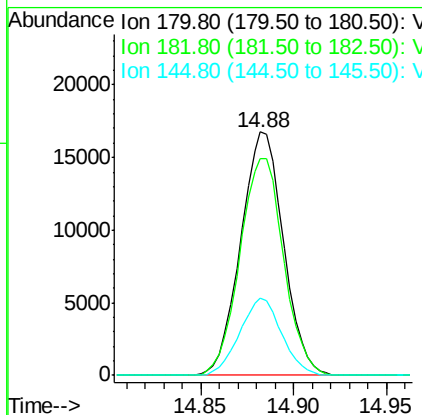
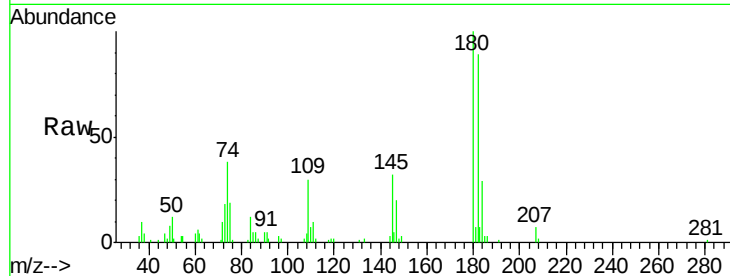
#93
 1,2,4-Trichlorobenzene
 Concen: 18.741 ug/l
 RT: 14.88 min Scan# 4134
 Delta R.T. -0.00 min
 Lab File: VN061183.D
 Acq: 29 Apr 2020 11:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0429WBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	26909		
182	91.1	47.3	141.9	
145	30.8	16.0	47.9	

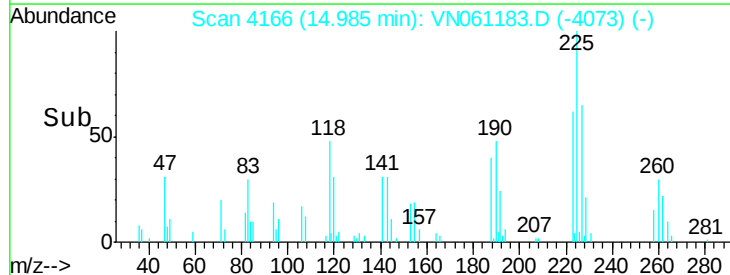
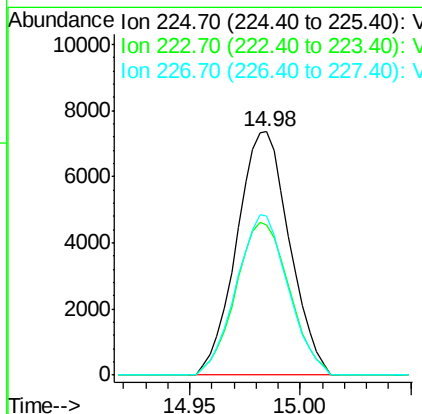
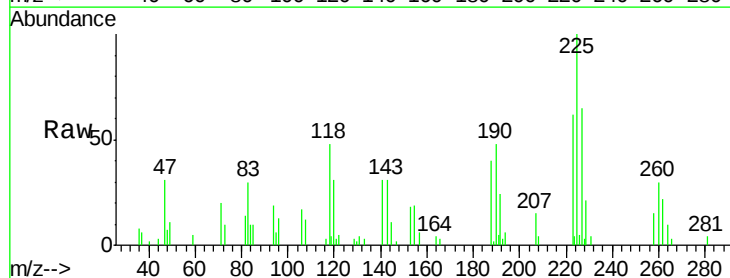
Manual Integrations
 APPROVED

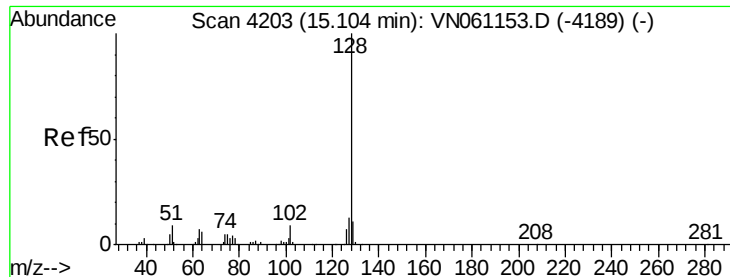
MMDadoda
 4/30/2020 2:11:16 PM



#94
 Hexachlorobutadiene
 Concen: 20.285 ug/l
 RT: 14.98 min Scan# 4166
 Delta R.T. 0.00 min
 Lab File: VN061183.D
 Acq: 29 Apr 2020 11:18

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	12168		
223	63.7	32.4	97.0	
227	64.7	32.4	97.0	





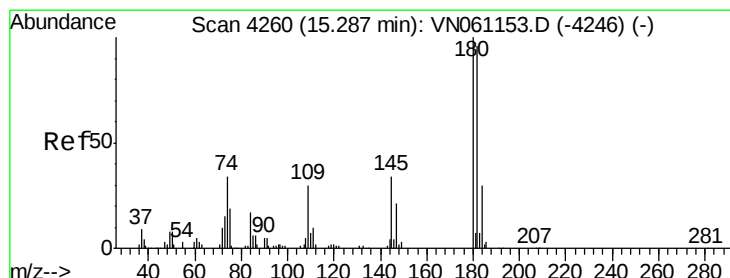
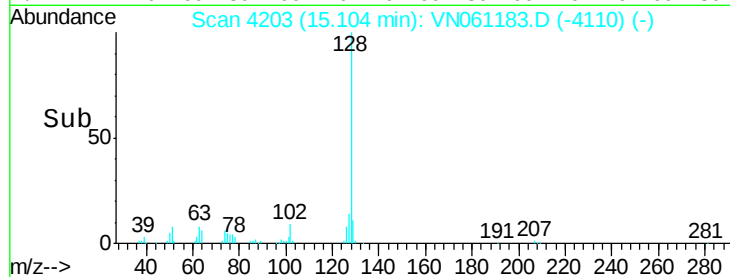
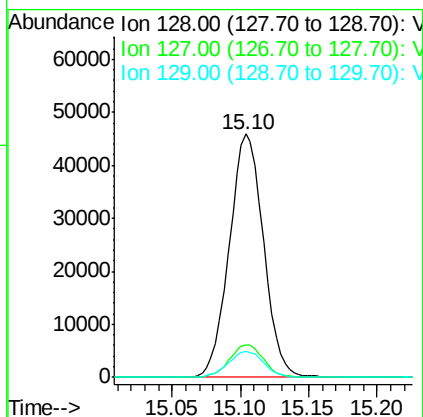
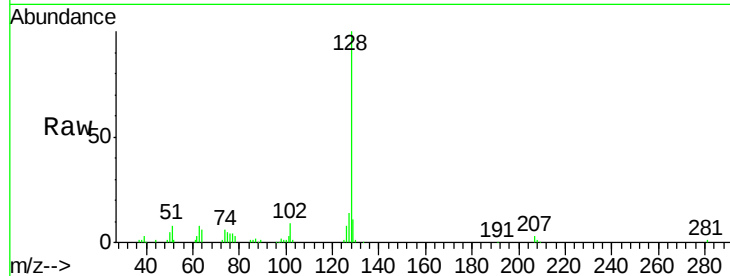
#95
Naphthalene
Concen: 17.094 ug/l
RT: 15.10 min Scan# 4203
Delta R.T. 0.00 min
Lab File: VN061183.D
Acq: 29 Apr 2020 11:18

Instrument :
MSVOA_N
ClientSampleId :
VN0429WBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	79933		
127	13.2		10.4	15.6
129	10.8		8.7	13.1

Manual Integrations
APPROVED

MMDadoda
4/30/2020 2:11:16 PM



#96
1,2,3-Trichlorobenzene
Concen: 18.295 ug/l
RT: 15.28 min Scan# 4259
Delta R.T. -0.00 min
Lab File: VN061183.D
Acq: 29 Apr 2020 11:18

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	25935		
182	94.8		47.5	142.5
145	33.5		16.9	50.7

