

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN050120\
 Data File : VN061248.D
 Acq On : 2 May 2020 2:43
 Operator : JC/MD
 Sample : VN0501WBS02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0501WBS02

Manual Integrations
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MMDadoda
 5/4/2020 2:58:09 PM

Quant Time: May 04 07:27:19 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	90554	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	165502	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	154712	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	69771	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.98	65	82769	57.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	115.54%	
35) Dibromofluoromethane	7.54	113	51641	52.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.54%	
50) Toluene-d8	10.06	98	200822	50.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.68%	
62) 4-Bromofluorobenzene	12.37	95	72880	48.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.08%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	15375	16.011	ug/l	96
3) Chloromethane	2.03	50	27633	23.760	ug/l	99
4) Vinyl Chloride	2.16	62	26110	19.766	ug/l	99
5) Bromomethane	2.54	94	12873	19.715	ug/l	96
6) Chloroethane	2.67	64	17302	20.665	ug/l	98
7) Trichlorofluoromethane	2.98	101	29332	19.682	ug/l	99
8) Diethyl Ether	3.37	74	16322	26.257	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.72	101	17253	17.970	ug/l	98
10) Methyl Iodide	3.90	142	24462	19.826	ug/l	98
11) Tert butyl alcohol	4.72	59	19324	100.677	ug/l	95
12) 1,1-Dichloroethene	3.70	96	18147	18.994	ug/l	96
13) Acrolein	3.56	56	9637	75.342	ug/l	96
14) Allyl chloride	4.27	41	43936	24.801	ug/l	95
15) Acrylonitrile	4.92	53	69346	117.694	ug/l	99
16) Acetone	3.77	43	62496	109.677	ug/l	100
17) Carbon Disulfide	4.00	76	50365	19.083	ug/l	99
18) Methyl Acetate	4.27	43	38350	21.594	ug/l	99
19) Methyl tert-butyl Ether	4.98	73	83885	22.977	ug/l	96
20) Methylene Chloride	4.50	84	25699	23.001	ug/l	98
21) trans-1,2-Dichloroethene	4.98	96	21694	20.852	ug/l	96
22) Diisopropyl ether	5.89	45	98854	24.064	ug/l	94
23) Vinyl Acetate	5.84	43	385636	116.588	ug/l	99
24) 1,1-Dichloroethane	5.79	63	47233	22.006	ug/l	99
25) 2-Butanone	6.78	43	92556	109.164	ug/l	98
26) 2,2-Dichloropropane	6.77	77	28329	15.670	ug/l	97
27) cis-1,2-Dichloroethene	6.78	96	26243	21.495	ug/l	97
28) Bromochloromethane	7.15	49	25096	24.669	ug/l	96
29) Tetrahydrofuran	7.16	42	64266	112.523	ug/l	97
30) Chloroform	7.33	83	46554	21.403	ug/l	96
31) Cyclohexane	7.61	56	34096	16.357	ug/l	97
32) 1,1,1-Trichloroethane	7.52	97	34608	18.272	ug/l	98
36) 1,1-Dichloropropene	7.75	75	28921	17.456	ug/l	99
37) Ethyl Acetate	6.87	43	41293	21.260	ug/l	99
38) Carbon Tetrachloride	7.73	117	23704	17.251	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN050120\
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 Quant Title : SW846 8260
 QLast Update : Wed Apr 29 08:14:26 2020
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.04	83	27362	14.727	ug/l	96
40) Benzene	8.00	78	99055	20.068	ug/l	100
41) Methacrylonitrile	7.12	41	19483	24.160	ug/l #	100
42) 1,2-Dichloroethane	8.08	62	40626	21.726	ug/l	99
43) Isopropyl Acetate	8.12	43	68163	21.146	ug/l	100
44) Trichloroethene	8.80	130	23181	17.373	ug/l	98
45) 1,2-Dichloropropane	9.08	63	28049	21.271	ug/l	98
46) Dibromomethane	9.17	93	17546	21.490	ug/l	99
47) Bromodichloromethane	9.37	83	37588	21.448	ug/l	99
48) Methyl methacrylate	9.16	41	30807	21.179	ug/l	97
49) 1,4-Dioxane	9.16	88	6130	371.264	ug/l	98
51) 4-Methyl-2-Pentanone	9.95	43	200190	105.510	ug/l	100
52) Toluene	10.12	92	56370	18.960	ug/l	97
53) t-1,3-Dichloropropene	10.35	75	39253	19.878	ug/l	99
54) cis-1,3-Dichloropropene	9.81	75	42316	20.270	ug/l	97
55) 1,1,2-Trichloroethane	10.53	97	24961	21.049	ug/l	99
56) Ethyl methacrylate	10.40	69	36956	19.635	ug/l	96
57) 1,3-Dichloropropane	10.68	76	45247	21.707	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.66	63	92944	96.828	ug/l	98
59) 2-Hexanone	10.72	43	140170	101.546	ug/l	99
60) Dibromochloromethane	10.87	129	25219	20.305	ug/l	99
61) 1,2-Dibromoethane	10.98	107	24833	20.893	ug/l	99
64) Tetrachloroethene	10.60	164	21491	16.038	ug/l	99
65) Chlorobenzene	11.40	112	58593	19.092	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.48	131	22038	20.063	ug/l	99
67) Ethyl Benzene	11.48	91	100818	17.549	ug/l	99
68) m/p-Xylenes	11.59	106	74652	35.500	ug/l	98
69) o-Xylene	11.92	106	36078	17.861	ug/l	97
70) Styrene	11.94	104	60881	18.008	ug/l	98
71) Bromoform	12.10	173	16465	20.396	ug/l #	99
73) Isopropylbenzene	12.22	105	92818	18.096	ug/l	100
74) N-amyl acetate	12.04	43	53696	20.674	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.48	83	36274	22.680	ug/l	98
76) 1,2,3-Trichloropropane	12.53	75	33783m	22.967	ug/l	
77) Bromobenzene	12.50	156	23555	19.894	ug/l	95
78) n-propylbenzene	12.56	91	109864	18.058	ug/l	100
79) 2-Chlorotoluene	12.65	91	68619	19.189	ug/l	98
80) 1,3,5-Trimethylbenzene	12.71	105	78367	18.460	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.27	75	10884	18.790	ug/l	96
82) 4-Chlorotoluene	12.75	91	72469	19.228	ug/l	98
83) tert-Butylbenzene	12.97	119	61801	17.265	ug/l	99
84) 1,2,4-Trimethylbenzene	13.01	105	80257	18.350	ug/l	99
85) sec-Butylbenzene	13.15	105	85218	17.461	ug/l	98
86) p-Isopropyltoluene	13.26	119	76288	17.350	ug/l	100
87) 1,3-Dichlorobenzene	13.26	146	41266	18.932	ug/l	98
88) 1,4-Dichlorobenzene	13.34	146	42348	19.015	ug/l	99
89) n-Butylbenzene	13.59	91	67111	16.649	ug/l	100
90) Hexachloroethane	13.85	117	8618	23.550	ug/l	99
91) 1,2-Dichlorobenzene	13.63	146	41513	19.863	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.24	75	6743	19.962	ug/l	98

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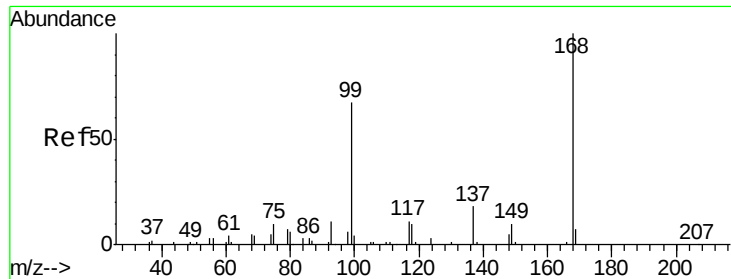
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 Quant Title : SW846 8260
 QLast Update : Wed Apr 29 08:14:26 2020
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	23221	18.245	ug/l	99
94) Hexachlorobutadiene	14.98	225	9431	17.738	ug/l	99
95) Naphthalene	15.10	128	75392	18.189	ug/l	99
96) 1,2,3-Trichlorobenzene	15.28	180	23717	18.875	ug/l	100

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



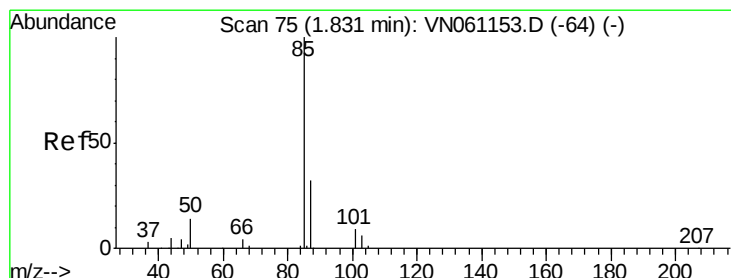
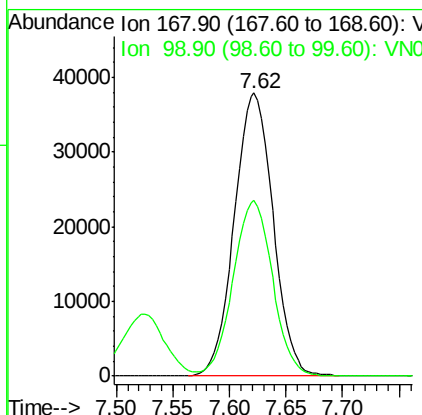
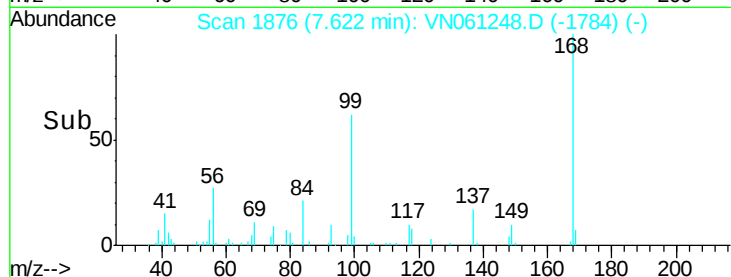
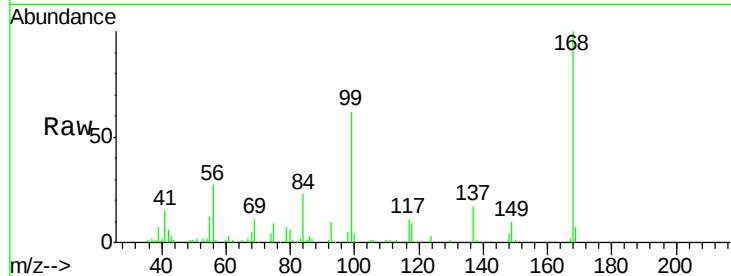
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.62 min Scan# 1876
Delta R.T. -0.00 min
Lab File: VN061248.D
Acq: 2 May 2020 2:43

Instrument :
MSVOA_N
ClientSampleId :
VN0501WBS02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
168	100		90554		
99	62.1	51.2	76.8		

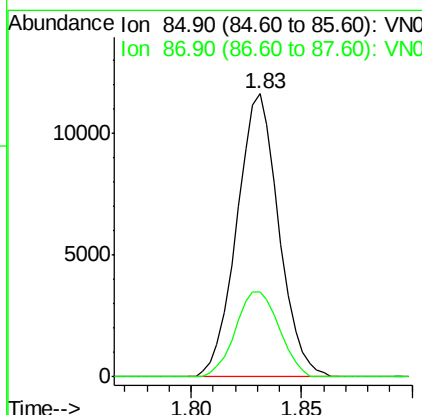
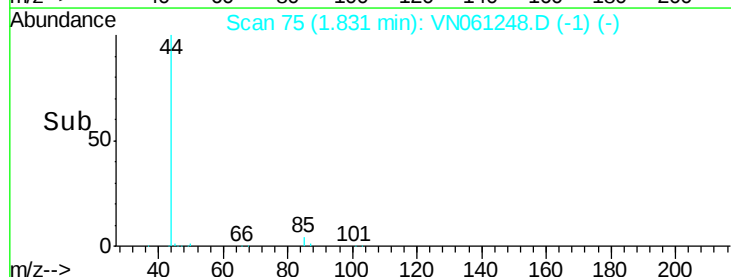
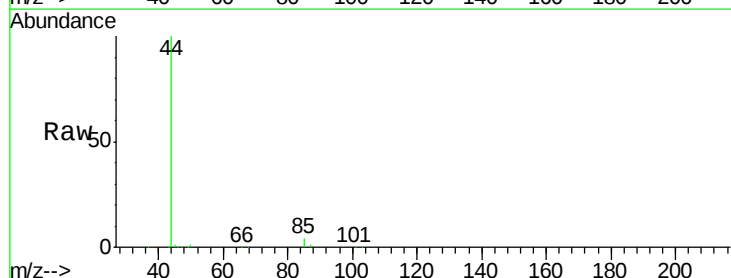
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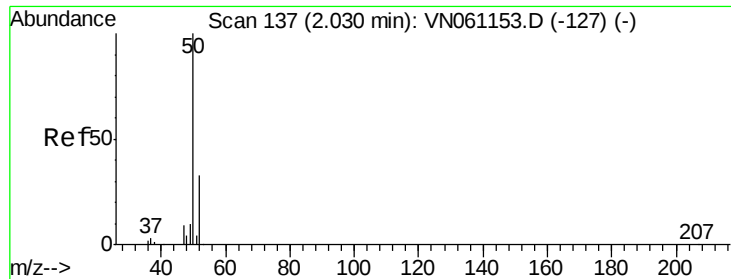
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#2
Dichlorodifluoromethane
Concen: 16.011 ug/l
RT: 1.83 min Scan# 75
Delta R.T. 0.00 min
Lab File: VN061248.D
Acq: 2 May 2020 2:43

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
85	100		15375		
87	29.8	16.1	48.2		





#3

Chloromethane

Concen: 23.760 ug/l

RT: 2.03 min Scan# 137

Delta R.T. 0.00 min

Lab File: VN061248.D

Acq: 2 May 2020 2:43

Tot Ion: 50 Resp: 27633

Ion Ratio Lower Upper

50 100

52 31.8 26.0 39.0

Instrument :

MSVOA_N

ClientSampleId :

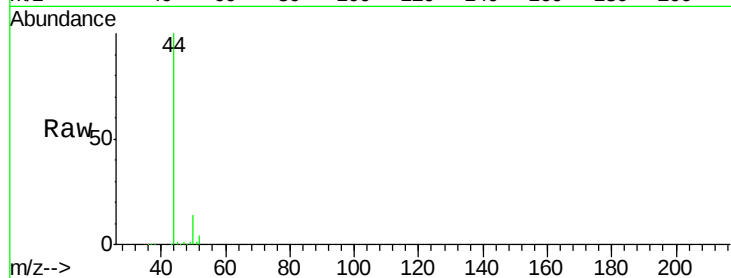
VN0501WBS02

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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0

2.03

25000

20000

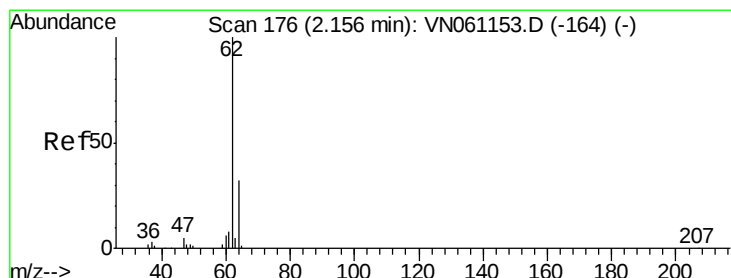
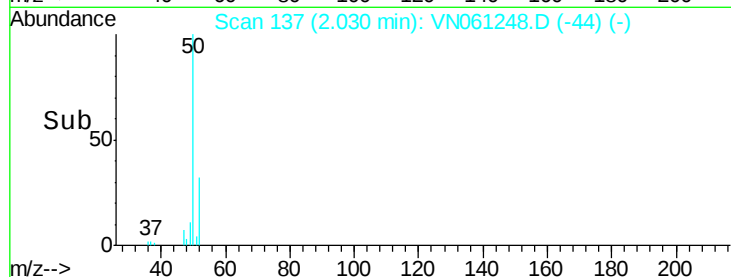
15000

10000

5000

0

Time-->



#4

Vinyl Chloride

Concen: 19.766 ug/l

RT: 2.16 min Scan# 177

Delta R.T. 0.00 min

Lab File: VN061248.D

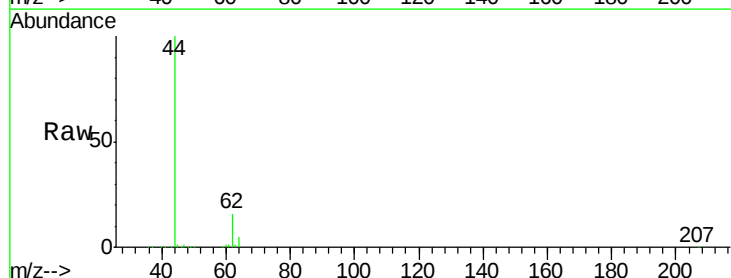
Acq: 2 May 2020 2:43

Tgt Ion: 62 Resp: 26110

Ion Ratio Lower Upper

62 100

64 30.9 25.2 37.8



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0

2.16

20000

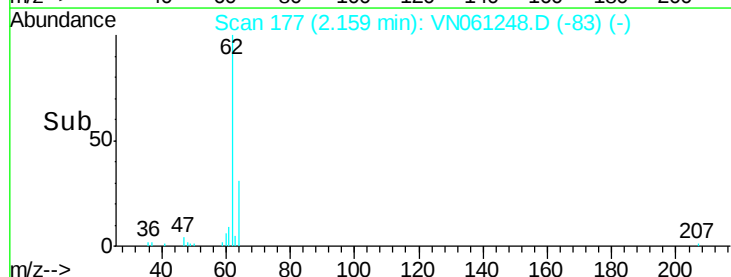
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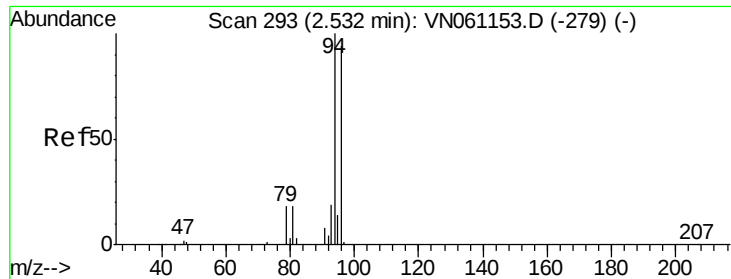
10000

5000

0

Time-->





#5

Bromomethane

Concen: 19.715 ug/l

RT: 2.54 min Scan# 295

Delta R.T. 0.01 min

Lab File: VN061248.D

Acq: 2 May 2020 2:43

Instrument :

MSVOA_N

ClientSampleId :

VN0501WBS02

Tot Ion: 94 Resp: 12873

Ion Ratio Lower Upper

94 100

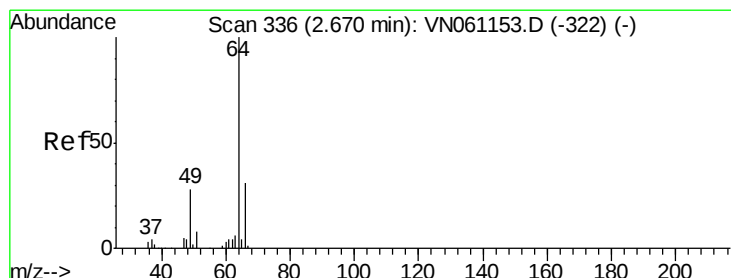
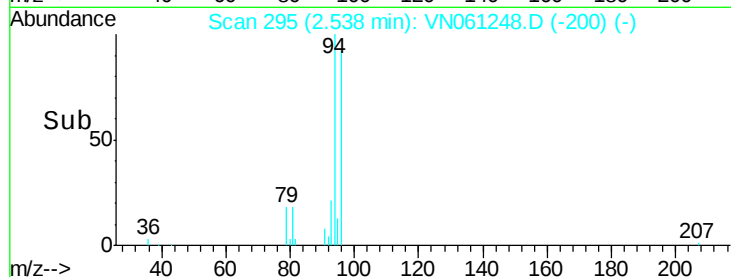
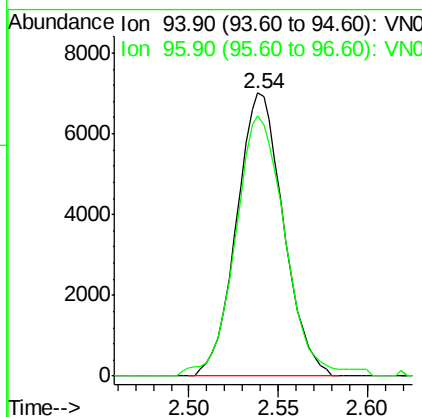
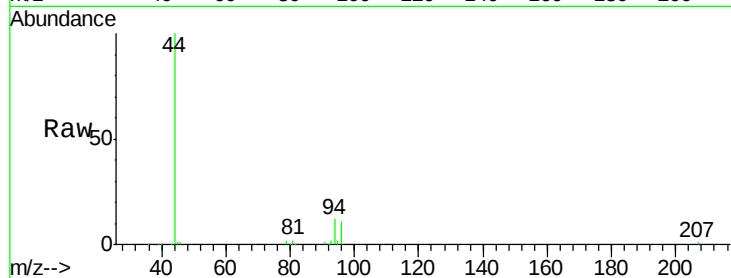
96 89.8 75.1 112.7

Manual Integrations

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#6

Chloroethane

Concen: 20.665 ug/l

RT: 2.67 min Scan# 337

Delta R.T. 0.00 min

Lab File: VN061248.D

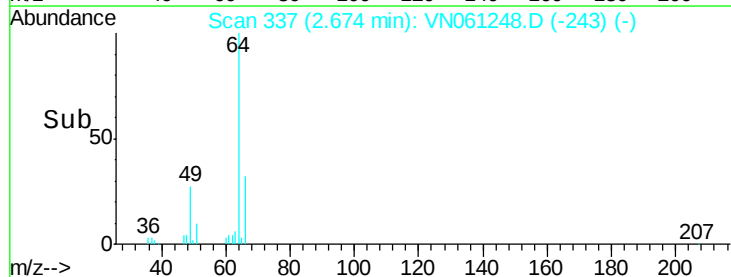
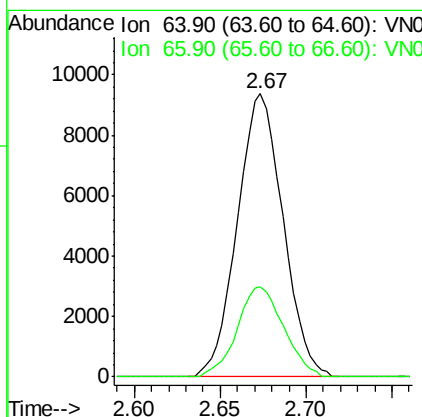
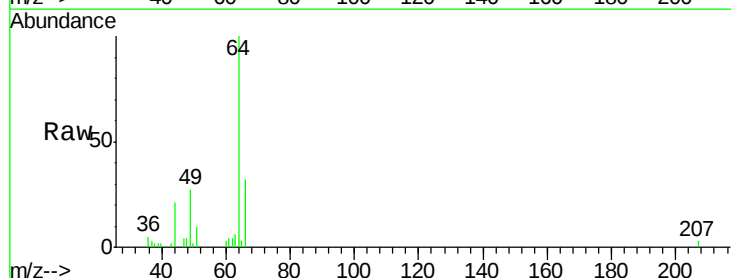
Acq: 2 May 2020 2:43

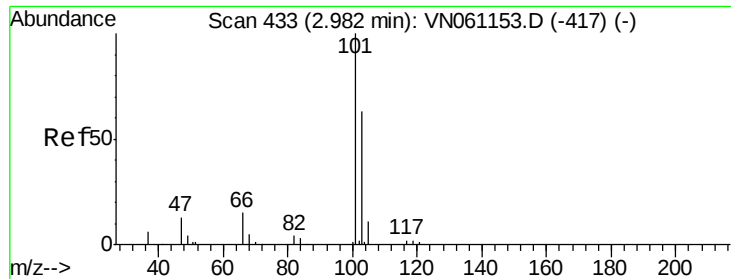
Tgt Ion: 64 Resp: 17302

Ion Ratio Lower Upper

64 100

66 31.7 24.6 36.8





#7

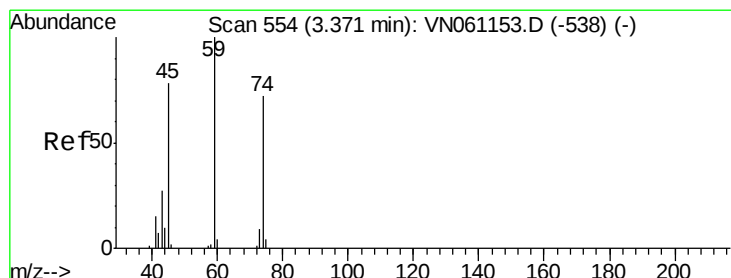
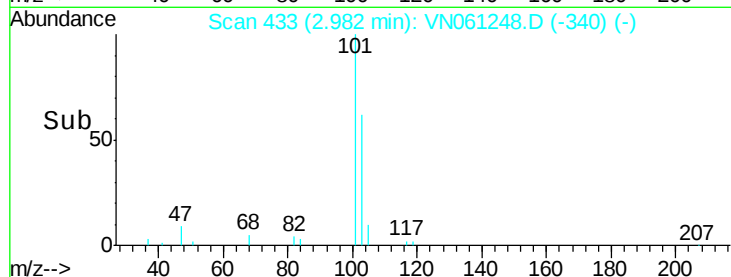
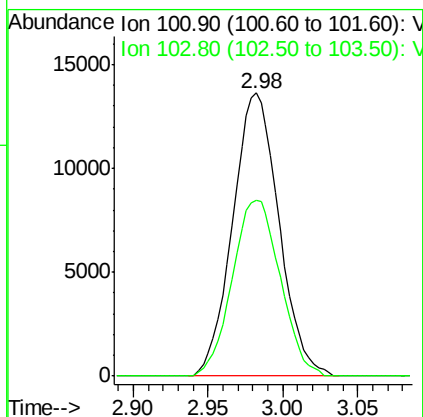
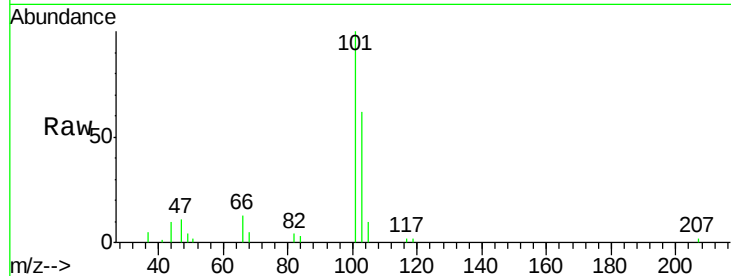
Trichlorofluoromethane
Concen: 19.682 ug/l
RT: 2.98 min Scan# 433
Delta R.T. 0.00 min
Lab File: VN061248.D
Acq: 2 May 2020 2:43

Instrument :
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ClientSampleId :
VN0501WBS02

Tot Ion	Ratio	Lower	Upper
101	100		
103	62.3	50.6	76.0

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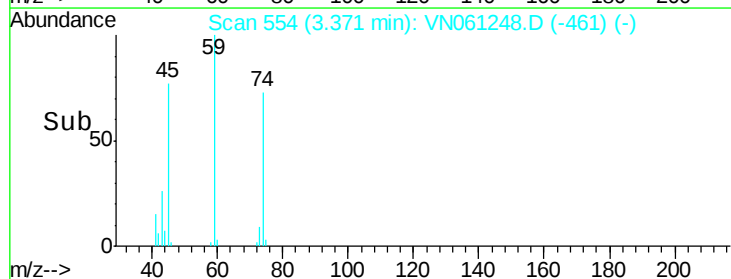
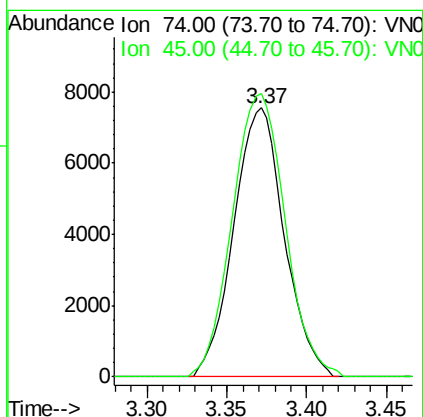
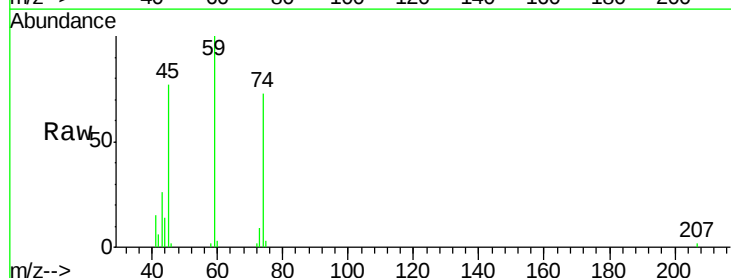
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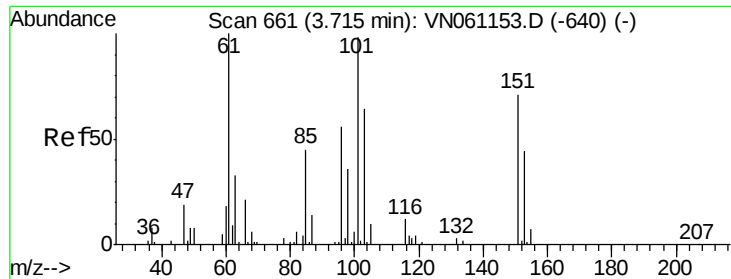


#8

Diethyl Ether
Concen: 26.257 ug/l
RT: 3.37 min Scan# 554
Delta R.T. 0.00 min
Lab File: VN061248.D
Acq: 2 May 2020 2:43

Tgt Ion	Ratio	Lower	Upper
74	100		
45	110.4	53.3	160.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 17.970 ug/l

RT: 3.72 min Scan# 661

Delta R.T. 0.00 min

Lab File: VN061248.D

Acq: 2 May 2020 2:43

Instrument :

MSVOA_N

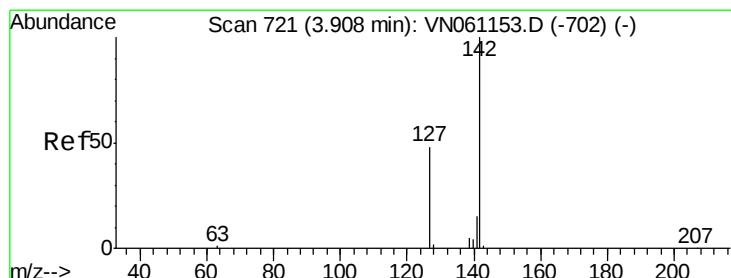
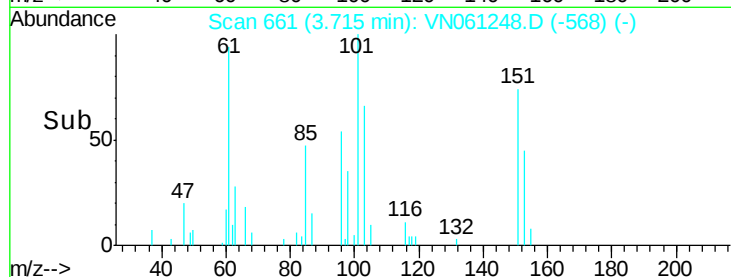
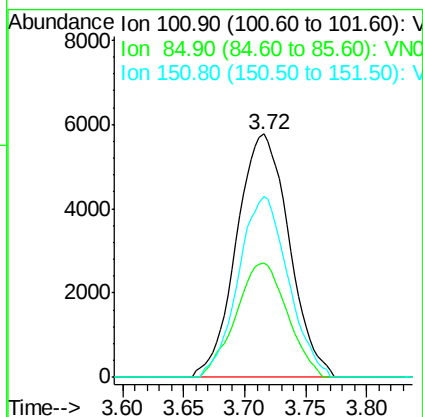
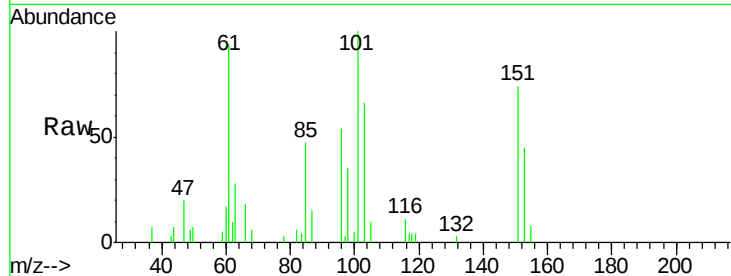
ClientSampleId :

VN0501WBS02

Tot Ion:	101	Resp:	17253
Ion Ratio	Lower	Upper	
101	100		
85	45.9	37.2	55.8
151	70.4	57.7	86.5

Manual Integrations
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#10

Methyl Iodide

Concen: 19.826 ug/l

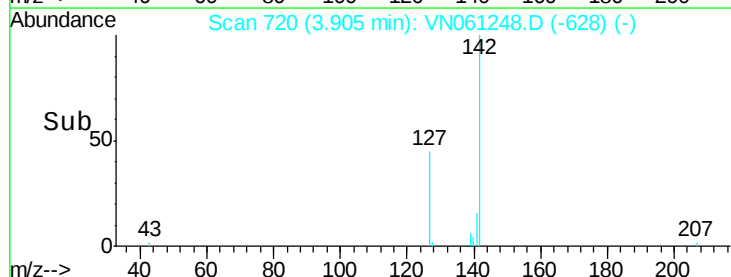
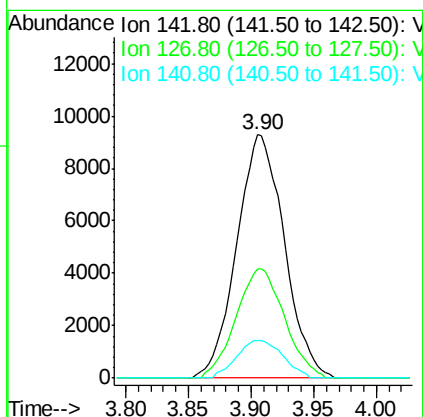
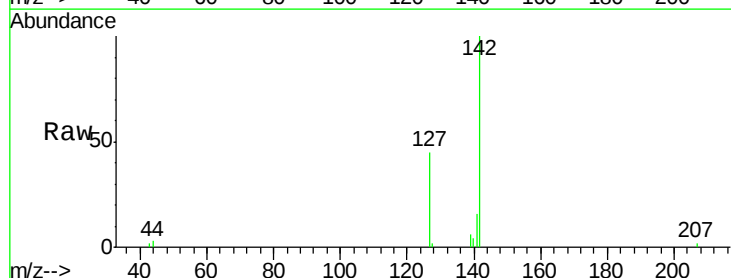
RT: 3.90 min Scan# 720

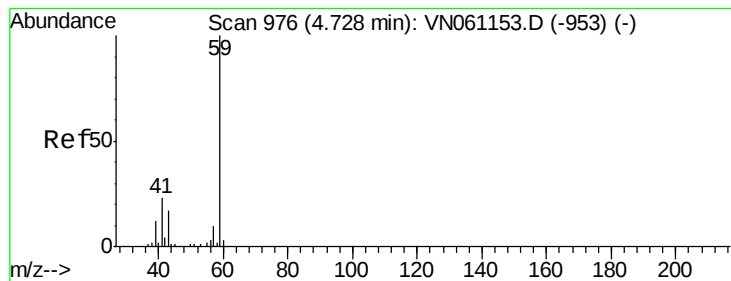
Delta R.T. -0.00 min

Lab File: VN061248.D

Acq: 2 May 2020 2:43

Tgt Ion:	142	Resp:	24462
Ion Ratio	Lower	Upper	
142	100		
127	45.7	38.0	57.0
141	15.0	11.7	17.5





#11

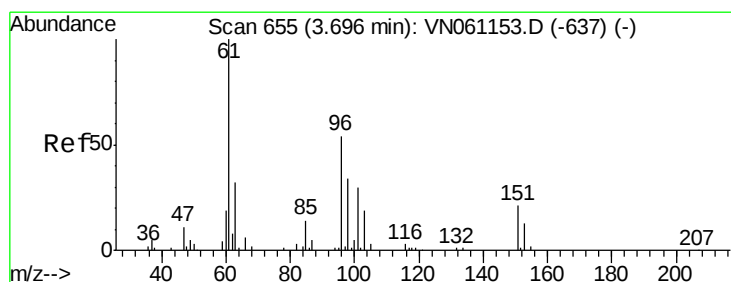
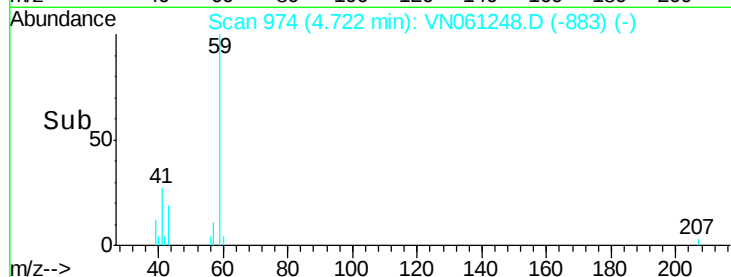
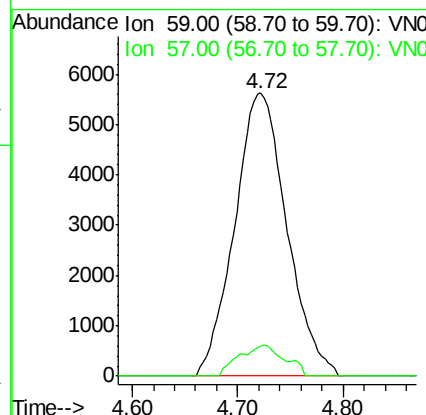
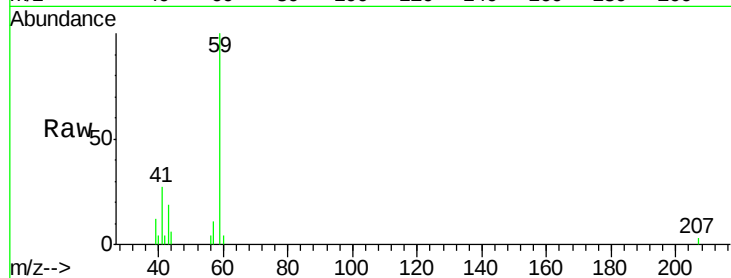
Tert butyl alcohol
Concen: 100.677 ug/l
RT: 4.72 min Scan# 974
Delta R.T. -0.01 min
Lab File: VN061248.D
Acq: 2 May 2020 2:43

Instrument :
MSVOA_N
ClientSampleId :
VN0501WBS02

Tot Ion	59	Resp	19324
Ion Ratio	100	Lower	Upper
57	8.4	8.3	12.5

Manual Integrations
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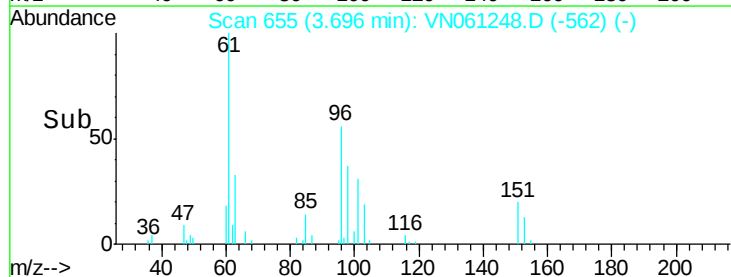
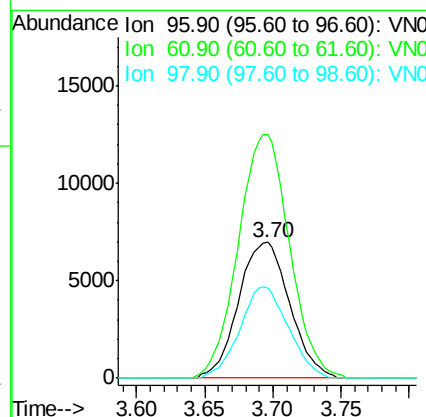
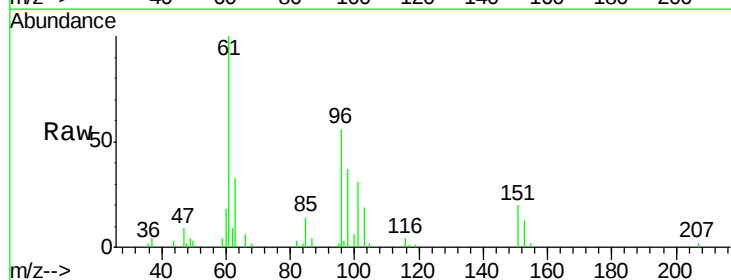
MMDadoda
5/4/2020 2:58:09 PM

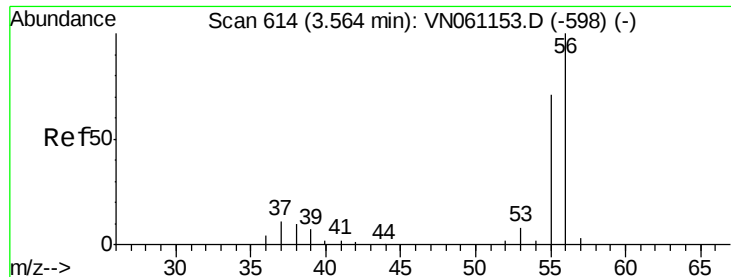


#12

1,1-Dichloroethene
Concen: 18.994 ug/l
RT: 3.70 min Scan# 655
Delta R.T. 0.00 min
Lab File: VN061248.D
Acq: 2 May 2020 2:43

Tgt Ion	96	Resp	18147
Ion Ratio	100	Lower	Upper
61	179.5	147.0	220.6
98	66.4	49.8	74.6





#13

Acrolein

Concen: 75.342 ug/l

RT: 3.56 min Scan# 613

Delta R.T. -0.00 min

Lab File: VN061248.D

Acq: 2 May 2020 2:43

Instrument :

MSVOA_N

ClientSampleId :

VN0501WBS02

Tot Ion: 56 Resp: 9637

Ion Ratio Lower Upper

56 100

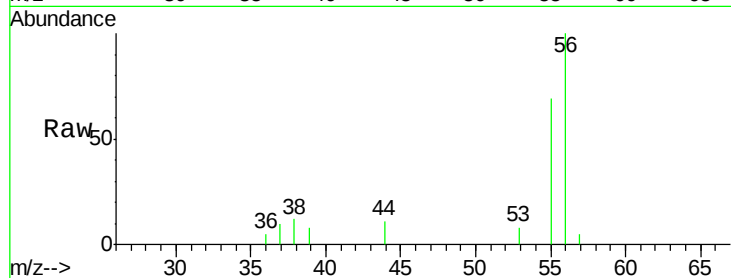
55 69.6 58.5 87.7

Manual Integrations

APPROVED

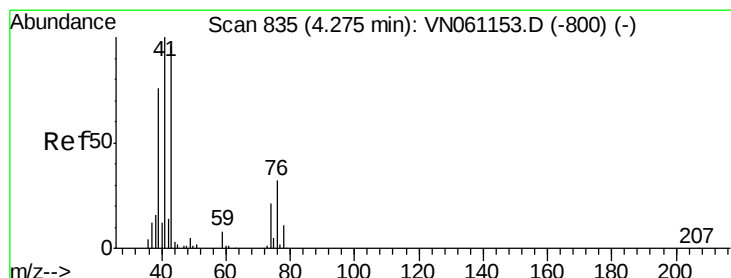
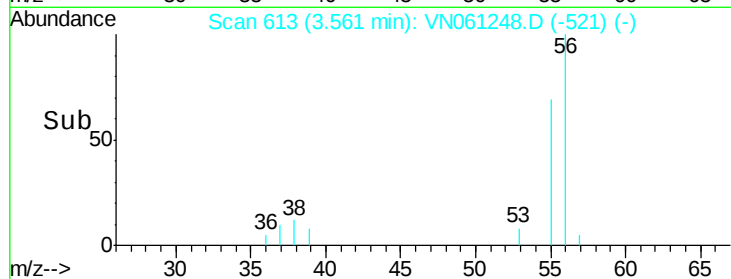
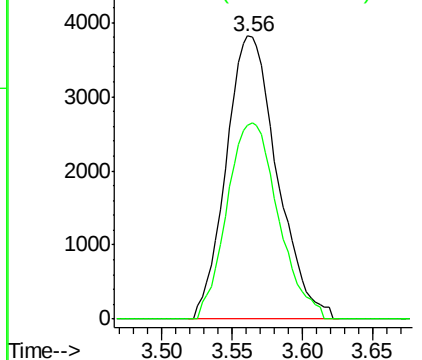
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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 24.801 ug/l

RT: 4.27 min Scan# 834

Delta R.T. -0.00 min

Lab File: VN061248.D

Acq: 2 May 2020 2:43

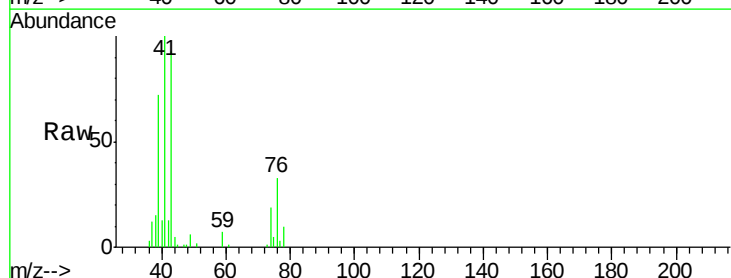
Tgt Ion: 41 Resp: 43936

Ion Ratio Lower Upper

41 100

39 67.2 57.1 85.7

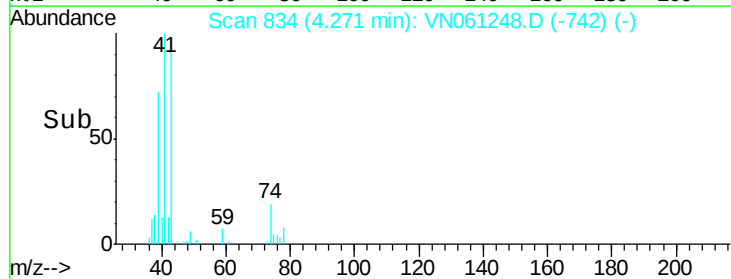
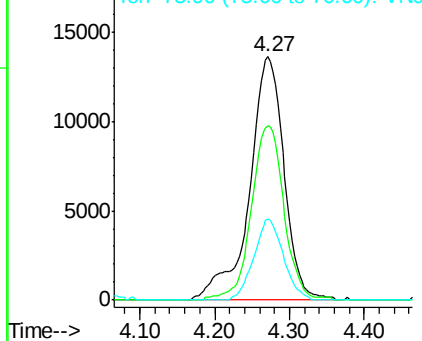
76 28.4 24.3 36.5

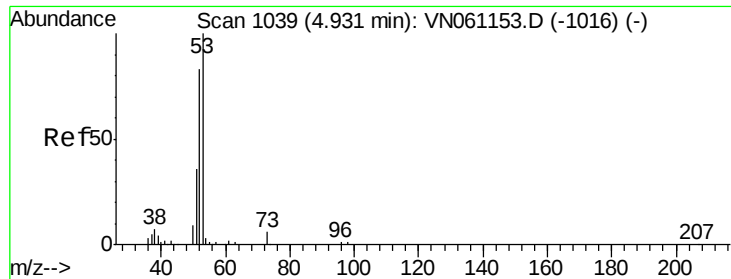


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 117.694 ug/l

RT: 4.92 min Scan# 1037

Delta R.T. -0.01 min

Lab File: VN061248.D

Acq: 2 May 2020 2:43

Instrument :

MSVOA_N

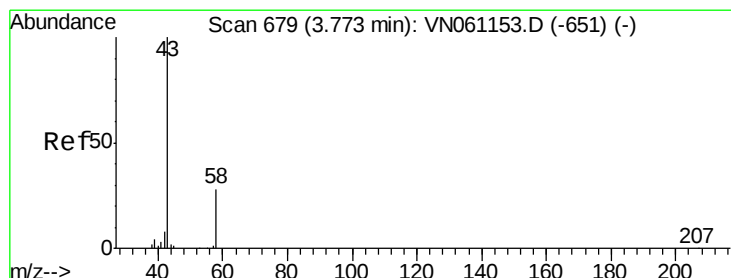
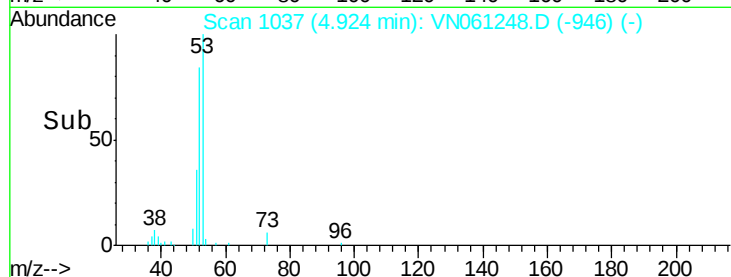
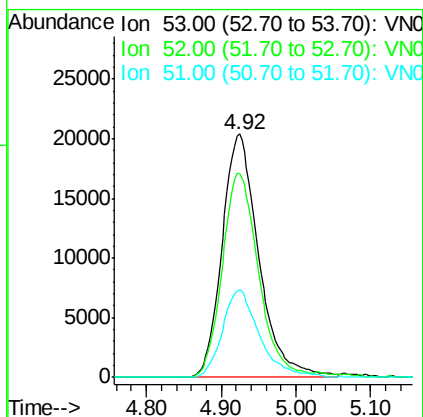
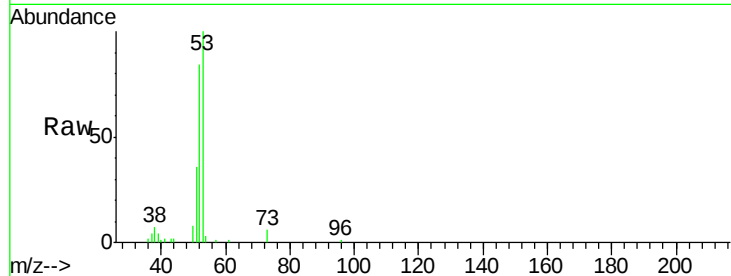
ClientSampleId :

VN0501WBS02

Tot Ion:	53	Resp:	69346
Ion Ratio	Lower	Upper	
53	100		
52	82.4	65.4	98.0
51	36.2	29.5	44.3

Manual Integrations
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#16

Acetone

Concen: 109.677 ug/l

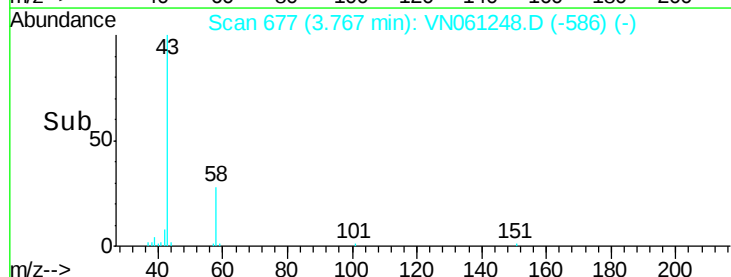
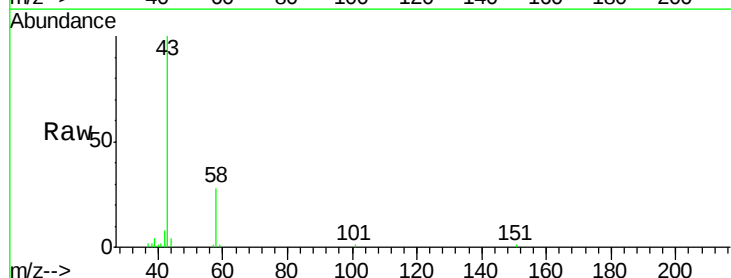
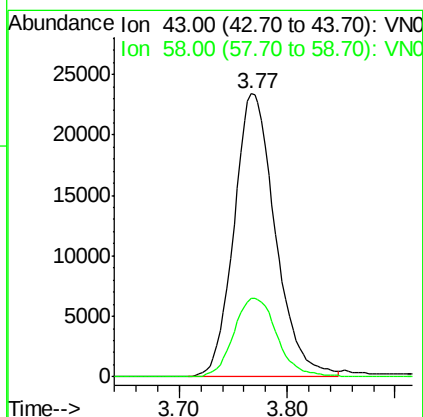
RT: 3.77 min Scan# 677

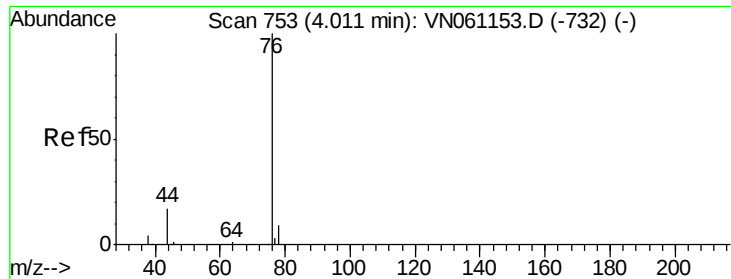
Delta R.T. -0.01 min

Lab File: VN061248.D

Acq: 2 May 2020 2:43

Tgt Ion:	43	Resp:	62496
Ion Ratio	Lower	Upper	
43	100		
58	27.6	22.2	33.2





#17

Carbon Disulfide

Concen: 19.083 ug/l

RT: 4.00 min Scan# 751

Delta R.T. -0.01 min

Lab File: VN061248.D

Acq: 2 May 2020 2:43

Instrument :

MSVOA_N

ClientSampleId :

VN0501WBS02

Tot Ion: 76 Resp: 50365

Ion Ratio Lower Upper

76 100

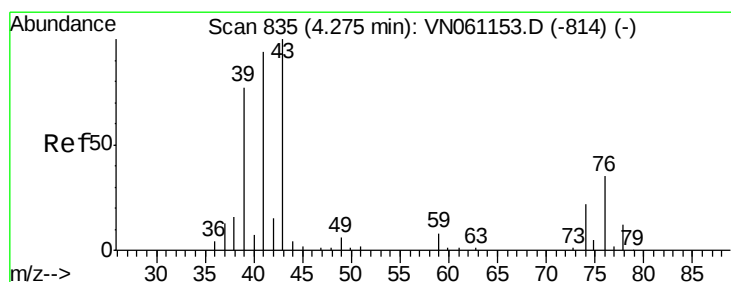
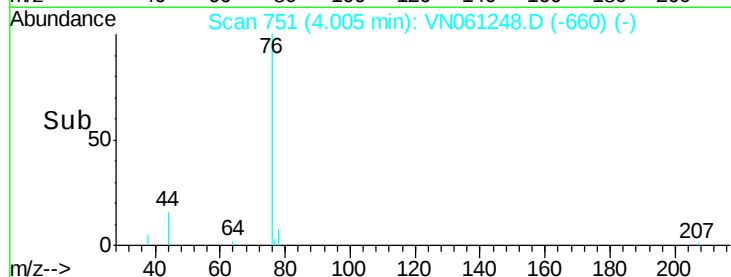
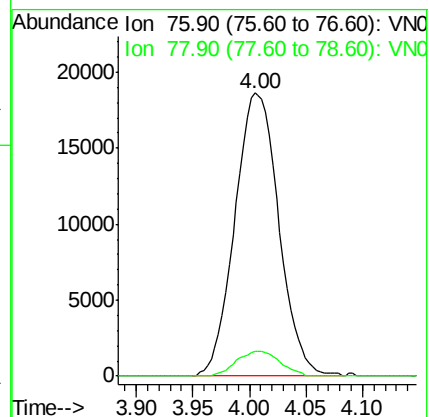
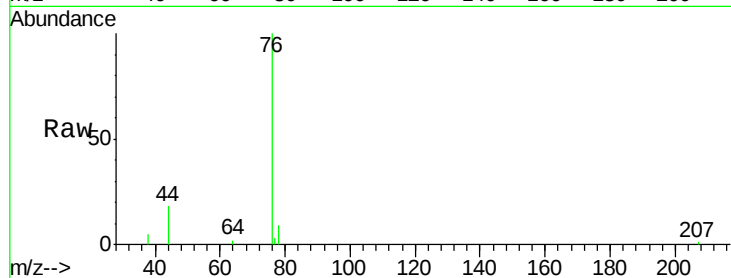
78 8.6 7.2 10.8

Manual Integrations

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#18

Methyl Acetate

Concen: 21.594 ug/l

RT: 4.27 min Scan# 834

Delta R.T. -0.00 min

Lab File: VN061248.D

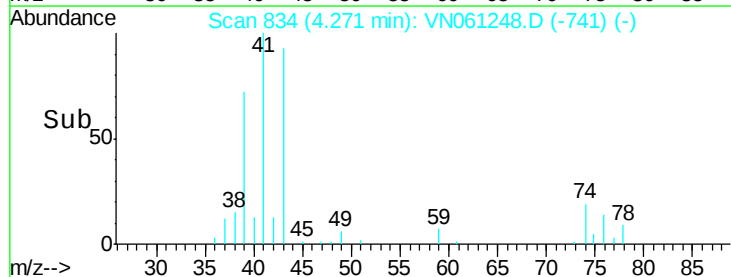
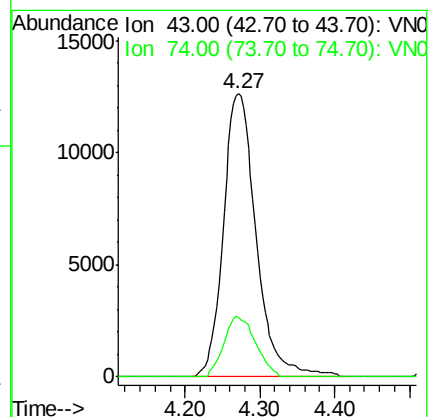
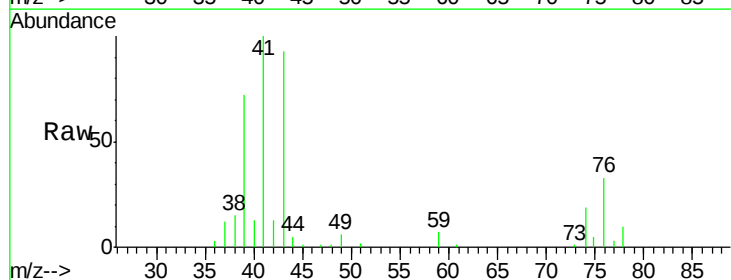
Acq: 2 May 2020 2:43

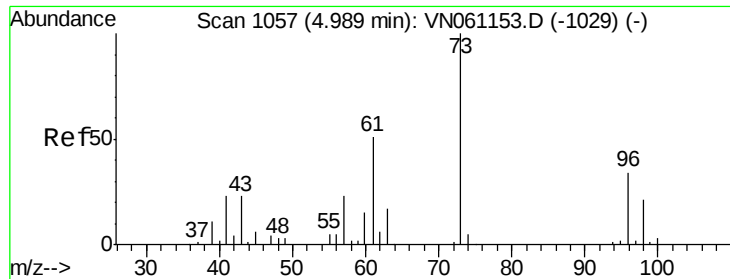
Tgt Ion: 43 Resp: 38350

Ion Ratio Lower Upper

43 100

74 20.6 17.0 25.4





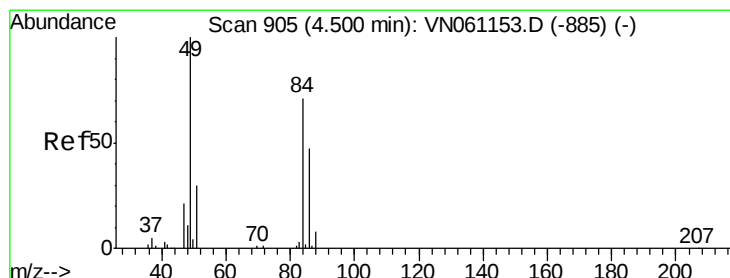
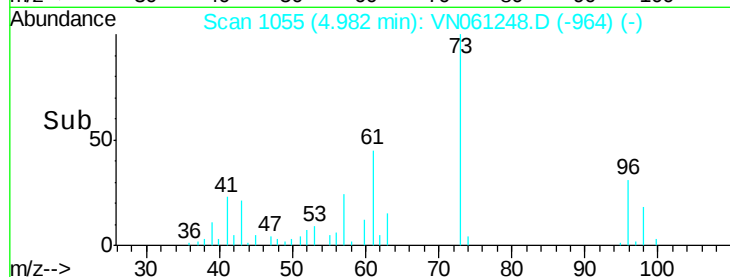
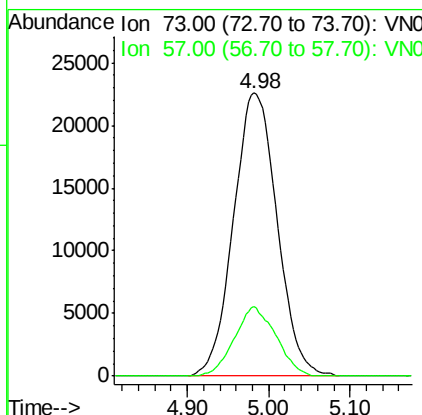
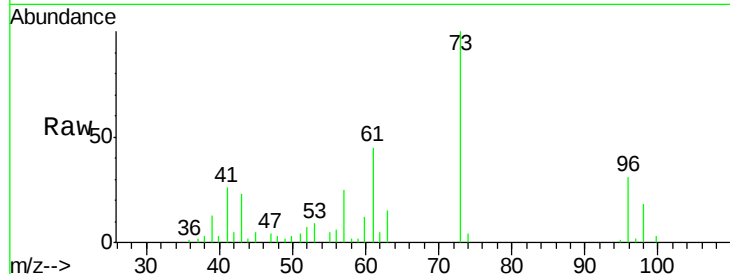
#19
Methyl tert-butyl Ether
Concen: 22.977 ug/l
RT: 4.98 min Scan# 1055
Delta R.T. -0.01 min
Lab File: VN061248.D
Acq: 2 May 2020 2:43

Instrument :
MSVOA_N
ClientSampleId :
VN0501WBS02

Tot Ion: 73 Resp: 83885
Ion Ratio Lower Upper
73 100
57 24.8 18.3 27.5

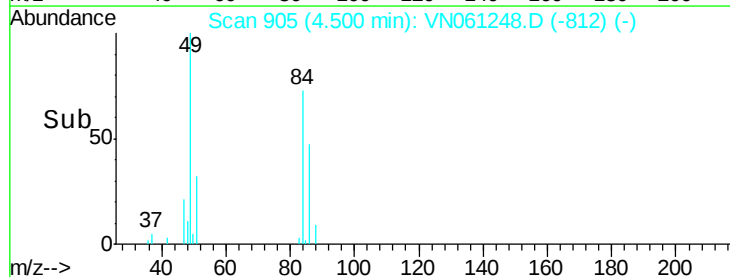
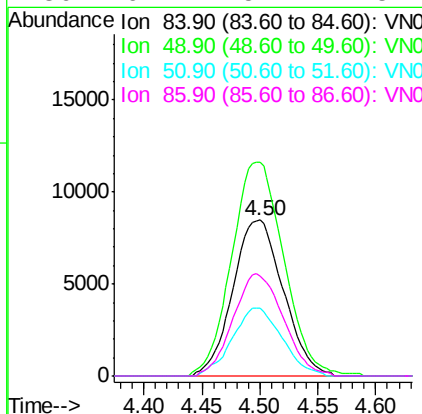
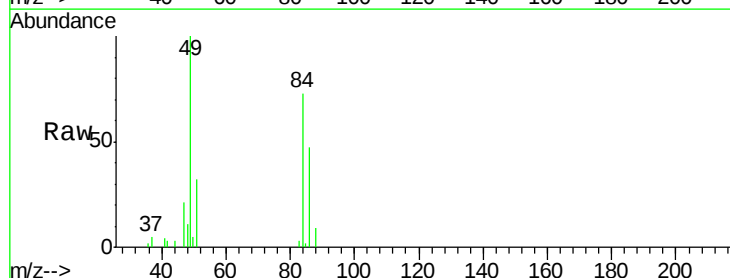
Manual Integrations
APPROVED

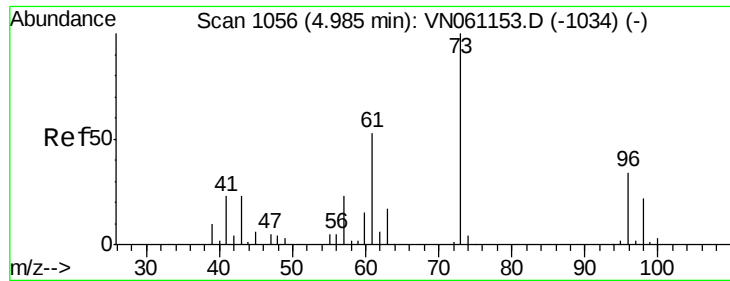
MMDadoda
5/4/2020 2:58:09 PM



#20
Methylene Chloride
Concen: 23.001 ug/l
RT: 4.50 min Scan# 905
Delta R.T. 0.00 min
Lab File: VN061248.D
Acq: 2 May 2020 2:43

Tgt Ion: 84 Resp: 25699
Ion Ratio Lower Upper
84 100
49 137.1 112.0 168.0
51 43.3 33.6 50.4
86 64.1 52.1 78.1





#21

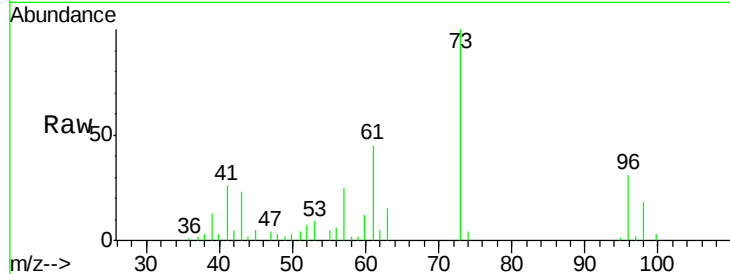
trans-1,2-Dichloroethene
Concen: 20.852 ug/l
RT: 4.98 min Scan# 1055
Delta R.T. -0.00 min
Lab File: VN061248.D
Acq: 2 May 2020 2:43

Instrument :
MSVOA_N
ClientSampled :
VN0501WBS02

Tot Ion	Ratio	Lower	Upper
96	100		
61	147.4	123.0	184.4
98	59.9	50.1	75.1

Manual Integrations
APPROVED

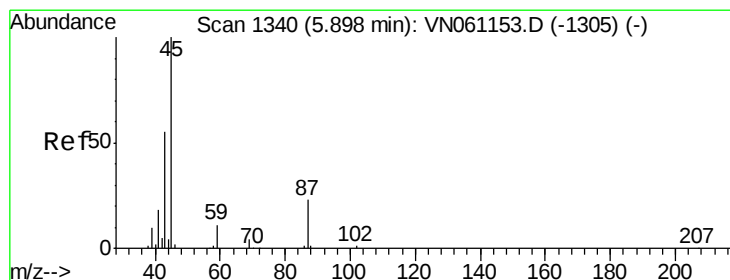
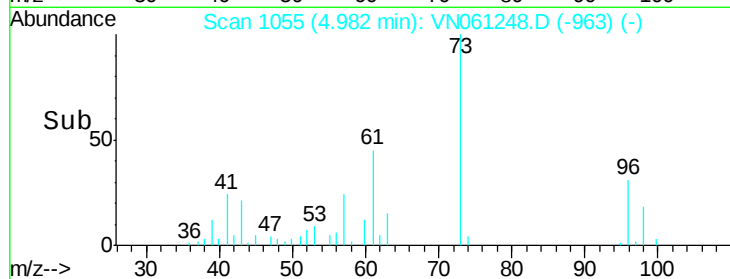
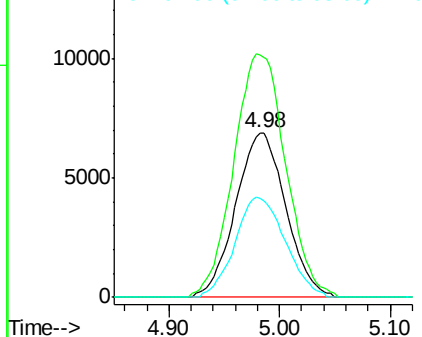
MMDadoda
5/4/2020 2:58:09 PM



Abundance Ion 95.90 (95.60 to 96.60): VN061153.D (-1034) (-)

Ion 60.90 (60.60 to 61.60): VN061153.D (-1034) (-)

Ion 97.90 (97.60 to 98.60): VN061153.D (-1034) (-)



#22

Diisopropyl ether
Concen: 24.064 ug/l
RT: 5.89 min Scan# 1338
Delta R.T. -0.01 min
Lab File: VN061248.D
Acq: 2 May 2020 2:43

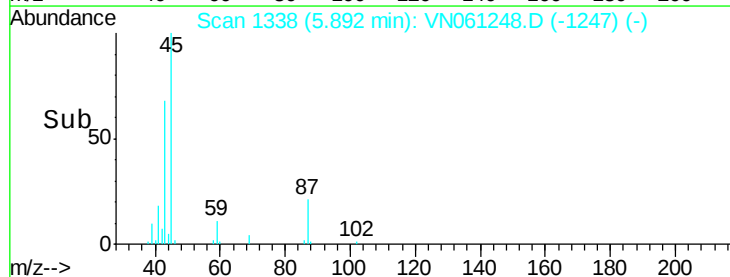
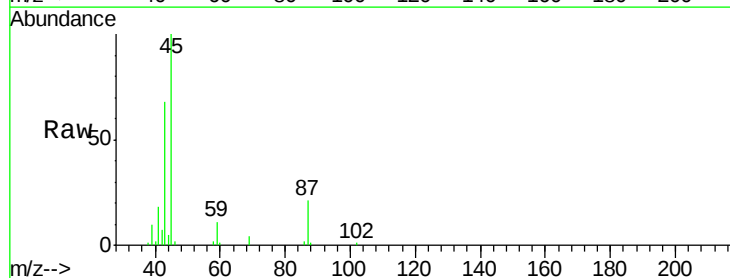
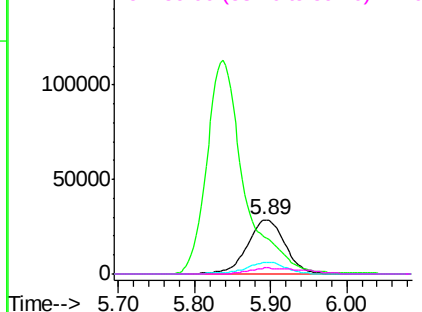
Tgt Ion	Ratio	Lower	Upper
45	100		
43	65.2	47.9	71.9
87	21.4	19.2	28.8
59	10.8	9.0	13.4

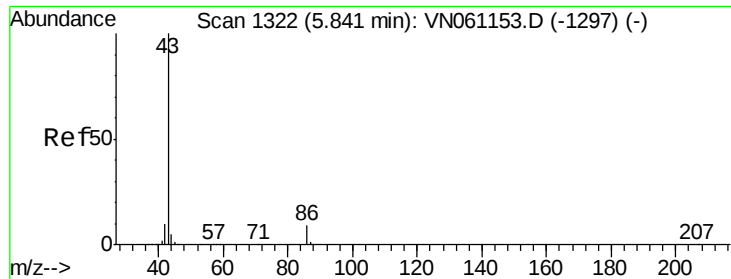
Abundance Ion 45.00 (44.70 to 45.70): VN061153.D (-1305) (-)

Ion 43.00 (42.70 to 43.70): VN061153.D (-1305) (-)

Ion 87.00 (86.70 to 87.70): VN061153.D (-1305) (-)

Ion 59.00 (58.70 to 59.70): VN061153.D (-1305) (-)





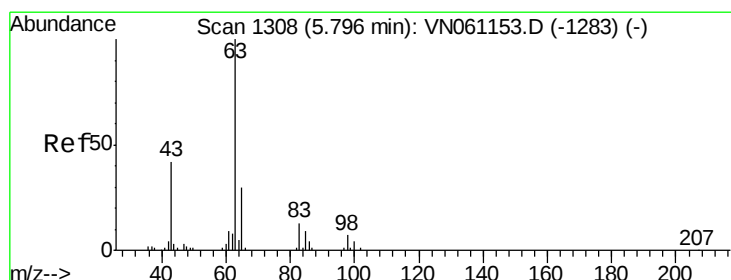
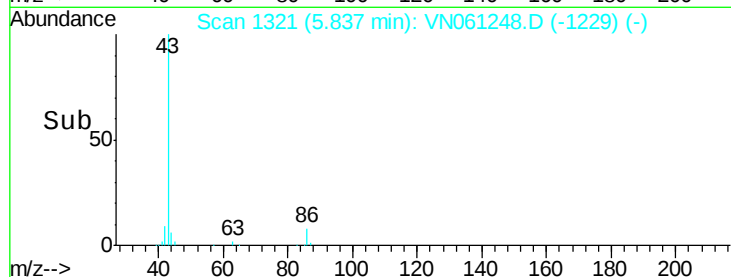
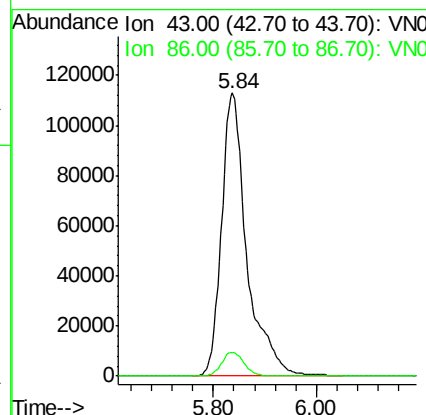
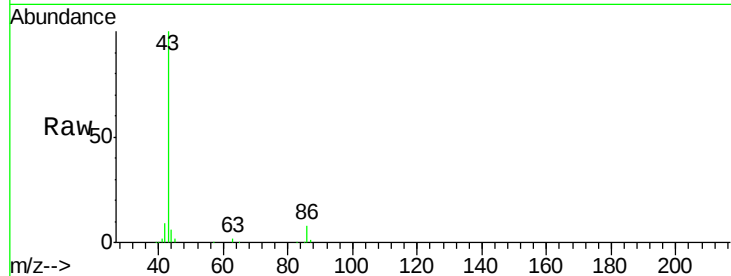
#23
 Vinyl Acetate
 Concen: 116.588 ug/l
 RT: 5.84 min Scan# 1321
 Delta R.T. -0.00 min
 Lab File: VN061248.D
 Acq: 2 May 2020 2:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0501WBS02

Tot Ion	43	Resp	385636
Ion	Ratio	Lower	Upper
43	100		
86	8.5	7.2	10.8

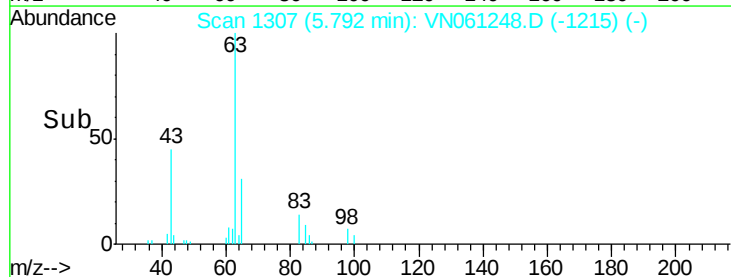
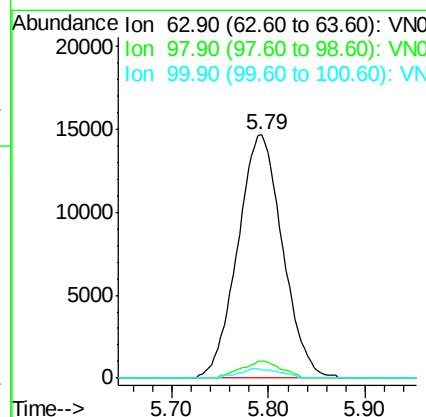
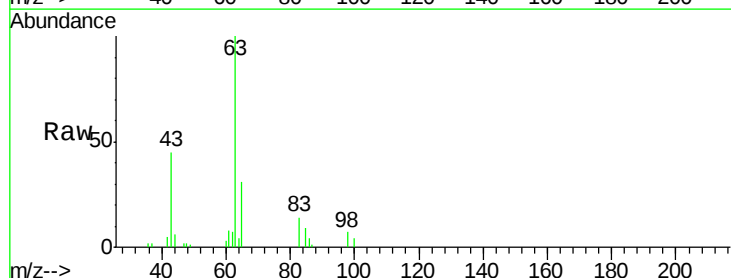
Manual Integrations
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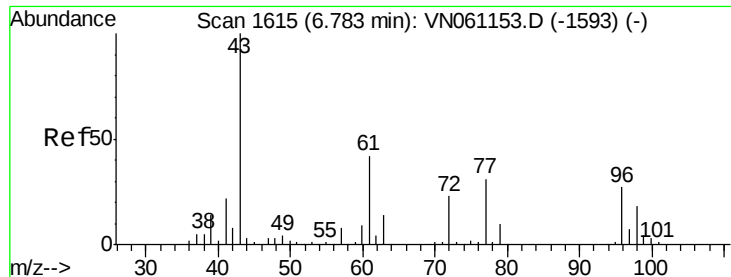
MMDadoda
 5/4/2020 2:58:09 PM



#24
 1,1-Dichloroethane
 Concen: 22.006 ug/l
 RT: 5.79 min Scan# 1307
 Delta R.T. -0.00 min
 Lab File: VN061248.D
 Acq: 2 May 2020 2:43

Tgt Ion	63	Resp	47233
Ion	Ratio	Lower	Upper
63	100		
98	7.1	3.3	9.9
100	3.5	1.9	5.7





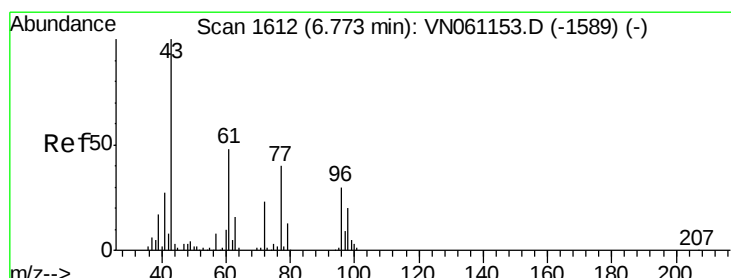
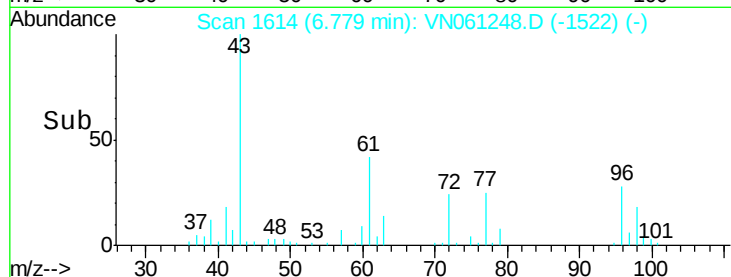
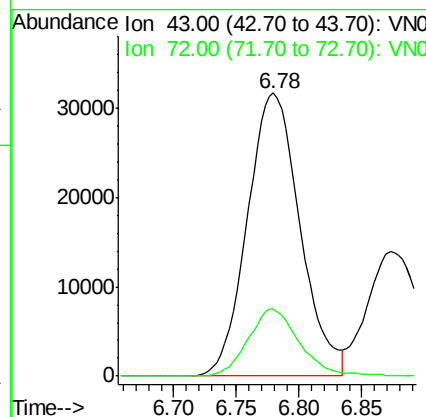
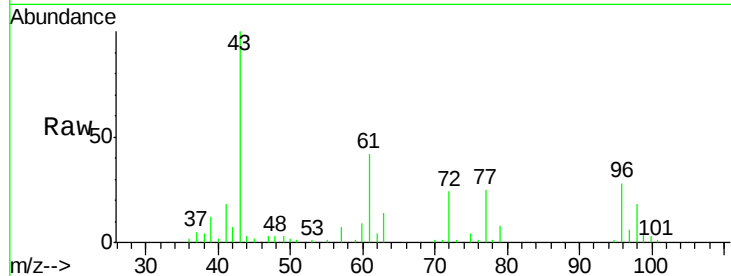
#25
2-Butanone
Concen: 109.164 ug/l
RT: 6.78 min Scan# 1614
Delta R.T. -0.00 min
Lab File: VN061248.D
Acq: 2 May 2020 2:43

Instrument :
MSVOA_N
ClientSampleId :
VN0501WBS02

Tot Ion	Ratio	Lower	Upper
43	100		
72	23.5	18.2	27.4

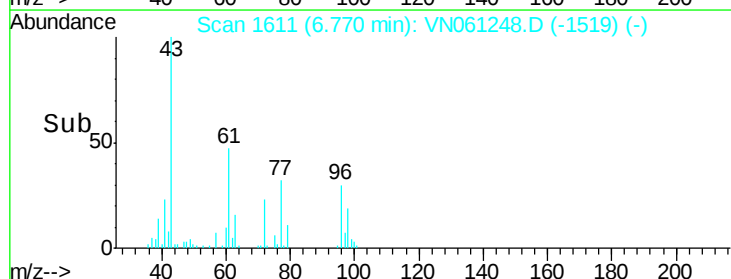
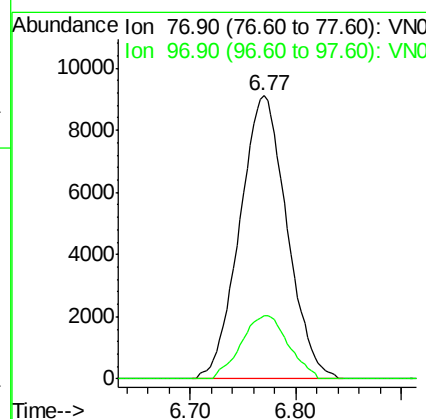
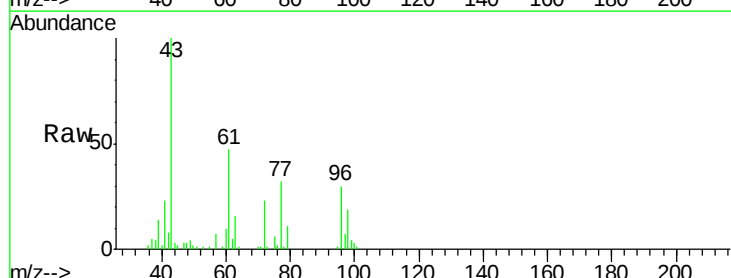
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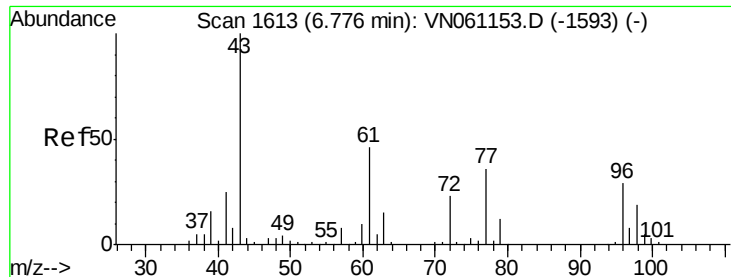
MMDadoda
5/4/2020 2:58:09 PM



#26
2,2-Dichloropropane
Concen: 15.670 ug/l
RT: 6.77 min Scan# 1611
Delta R.T. -0.00 min
Lab File: VN061248.D
Acq: 2 May 2020 2:43

Tgt Ion	Ratio	Lower	Upper
77	100		
97	22.3	10.5	31.5





#27

cis-1,2-Dichloroethene

Concen: 21.495 ug/l

RT: 6.78 min Scan# 1613

Delta R.T. 0.00 min

Lab File: VN061248.D

Acq: 2 May 2020 2:43

Instrument :

MSVOA_N

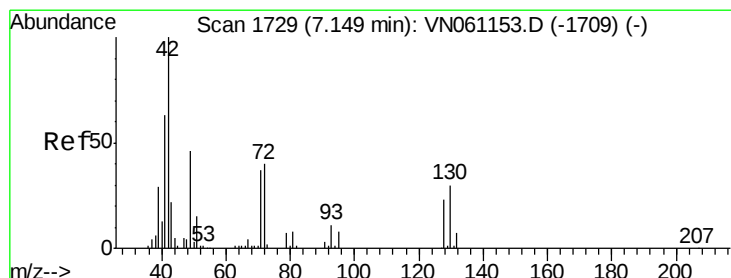
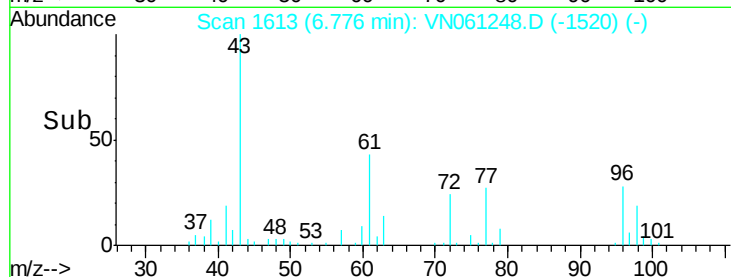
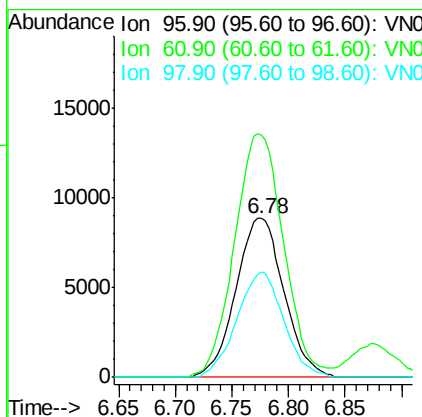
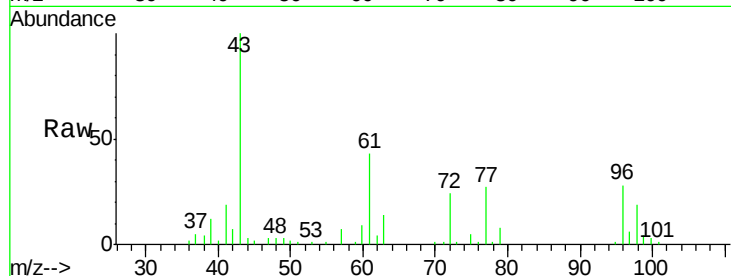
ClientSampleId :

VN0501WBS02

Tot Ion:	96	Resp:	26243
Ion	Ratio	Lower	Upper
96	100		
61	156.5	0.0	322.0
98	64.3	0.0	129.6

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#28

Bromochloromethane

Concen: 24.669 ug/l

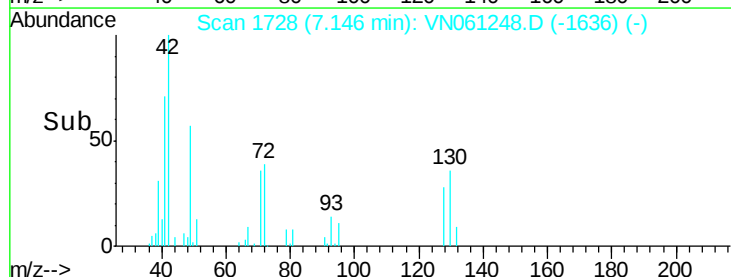
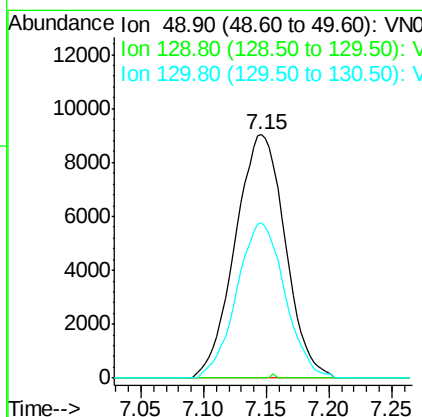
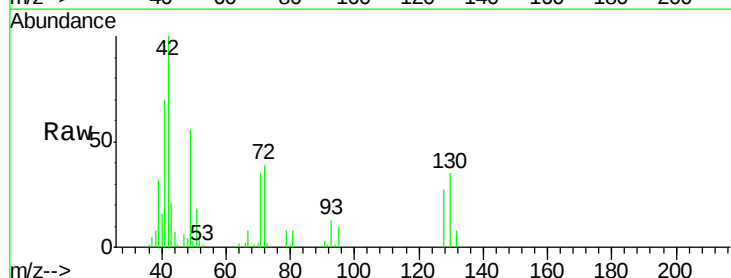
RT: 7.15 min Scan# 1728

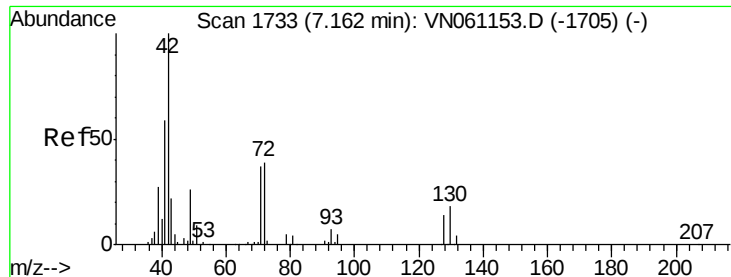
Delta R.T. -0.00 min

Lab File: VN061248.D

Acq: 2 May 2020 2:43

Tgt Ion:	49	Resp:	25096
Ion	Ratio	Lower	Upper
49	100		
129	0.1	0.0	3.0
130	61.5	51.4	77.2





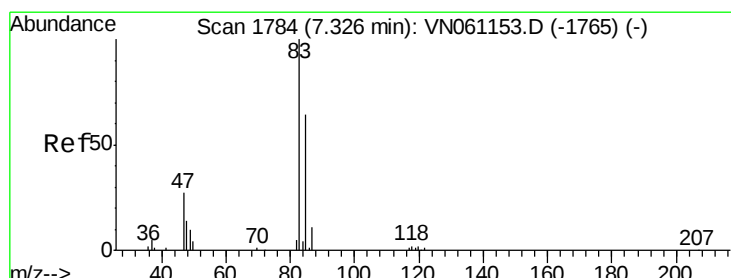
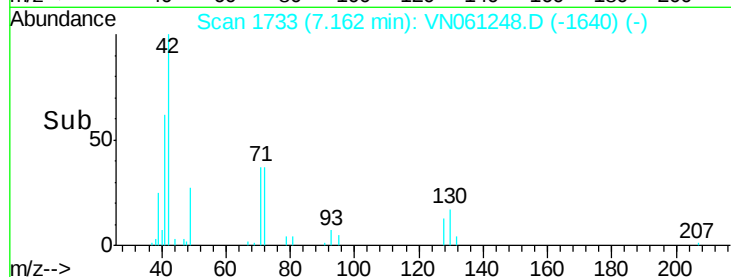
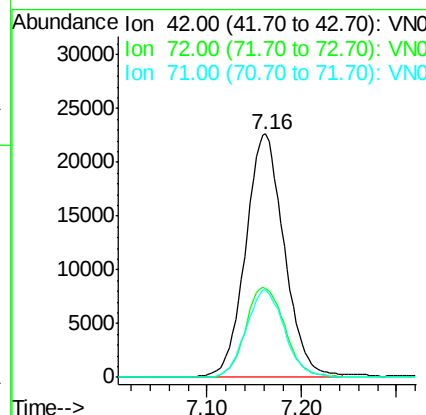
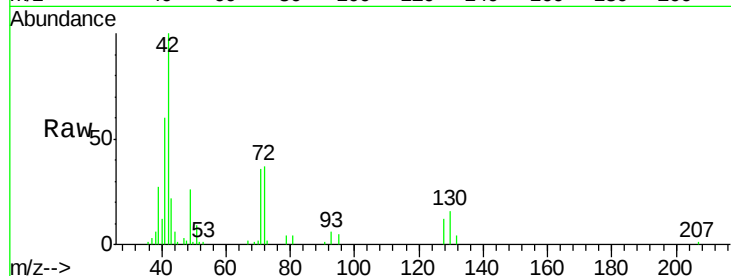
#29
Tetrahydrofuran
Concen: 112.523 ug/l
RT: 7.16 min Scan# 1733
Delta R.T. 0.00 min
Lab File: VN061248.D
Acq: 2 May 2020 2:43

Instrument :
MSVOA_N
ClientSampleId :
VN0501WBS02

Tot Ion	Ratio	Lower	Upper
42	100		
72	37.3	31.4	47.0
71	35.6	29.5	44.3

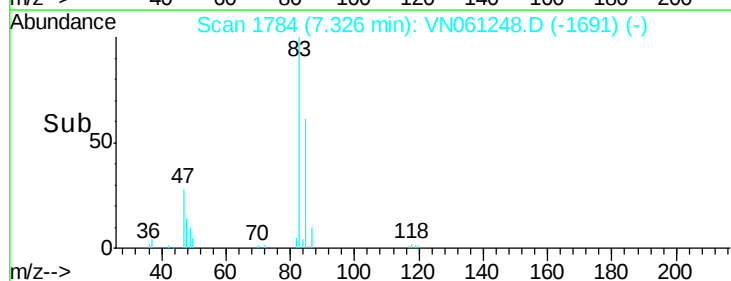
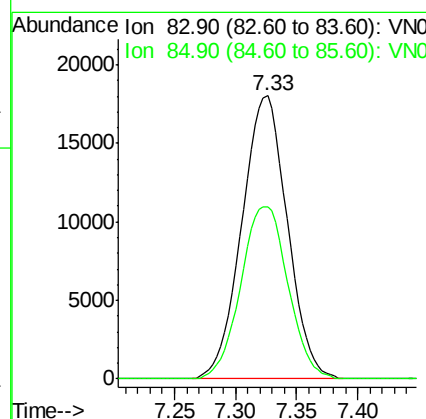
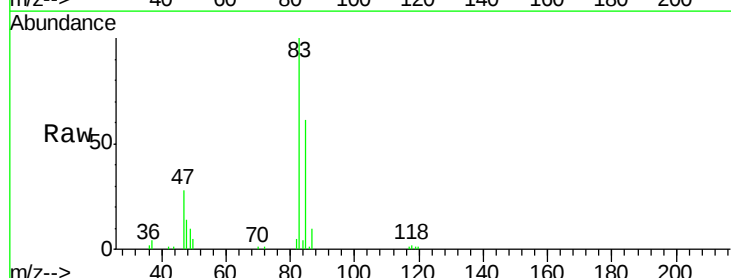
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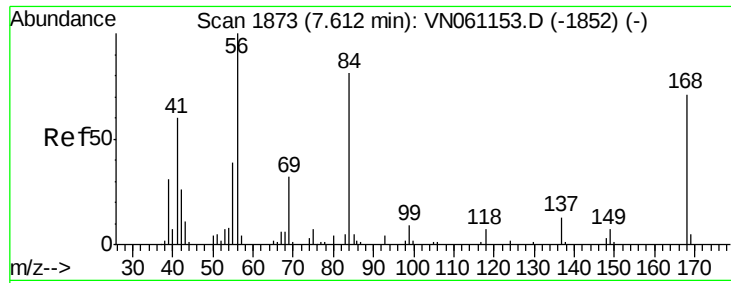
MMDadoda
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#30
Chloroform
Concen: 21.403 ug/l
RT: 7.33 min Scan# 1784
Delta R.T. 0.00 min
Lab File: VN061248.D
Acq: 2 May 2020 2:43

Tgt Ion	Ratio	Lower	Upper
83	100		
85	60.6	51.1	76.7





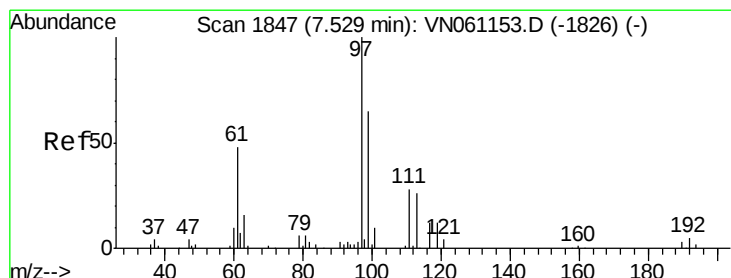
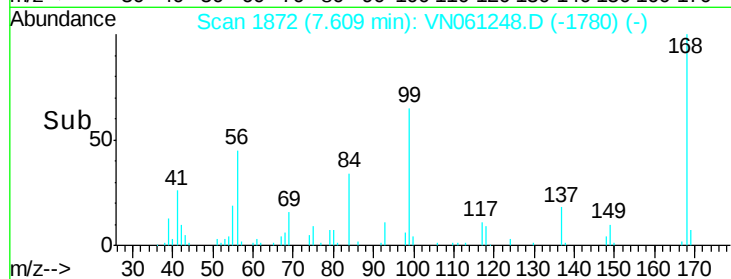
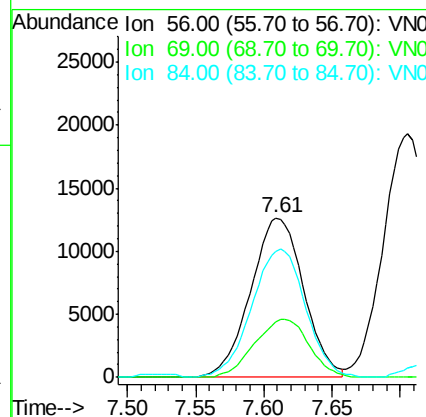
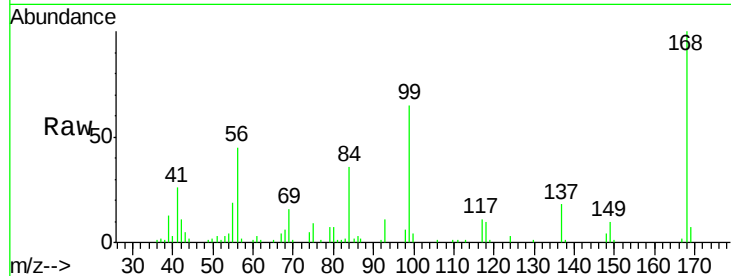
#31
Cyclohexane
Concen: 16.357 ug/l
RT: 7.61 min Scan# 1872
Delta R.T. -0.00 min
Lab File: VN061248.D
Acq: 2 May 2020 2:43

Instrument :
MSVOA_N
ClientSampleId :
VN0501WBS02

Tot Ion	Ratio	Lower	Upper
56	100		
69	34.9	25.7	38.5
84	79.3	64.6	97.0

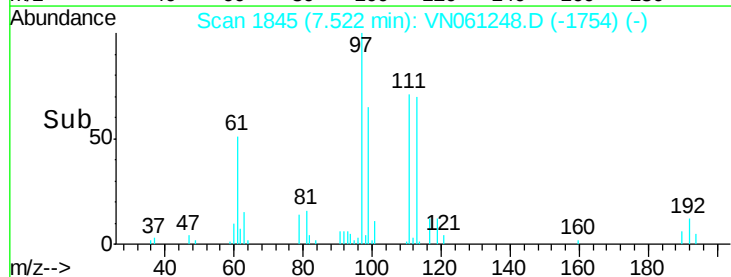
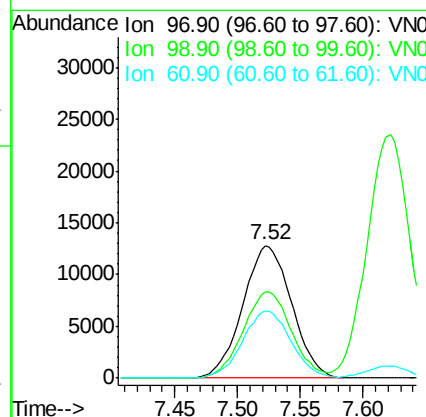
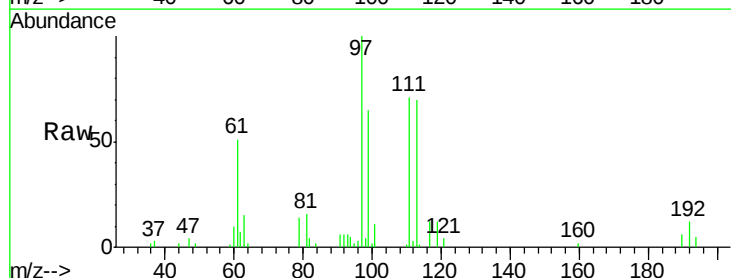
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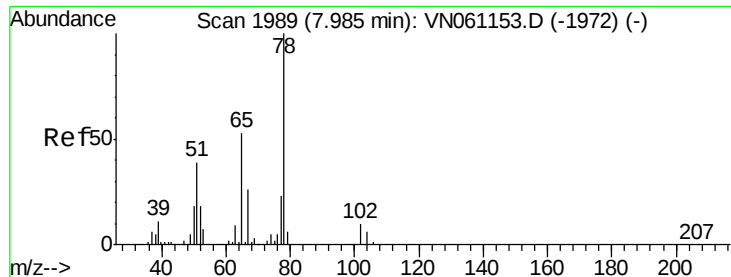
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#32
1,1,1-Trichloroethane
Concen: 18.272 ug/l
RT: 7.52 min Scan# 1845
Delta R.T. -0.01 min
Lab File: VN061248.D
Acq: 2 May 2020 2:43

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.8	51.3	76.9
61	50.2	38.6	57.8





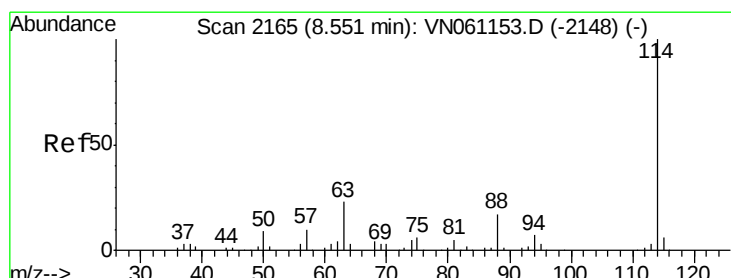
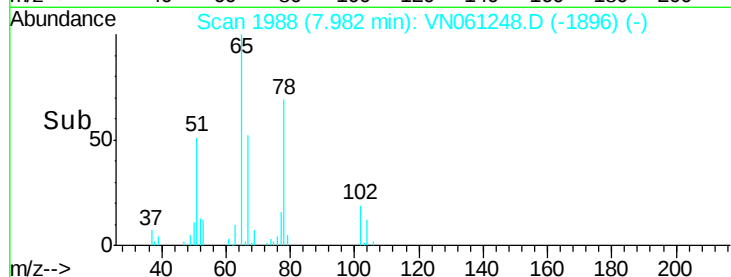
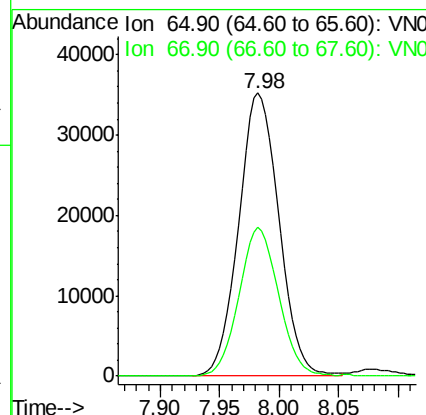
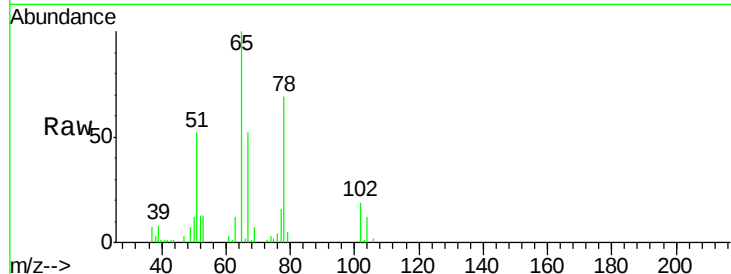
#33
 1,2-Dichloroethane-d4
 Concen: 57.765 ug/l
 RT: 7.98 min Scan# 1988
 Delta R.T. -0.00 min
 Lab File: VN061248.D
 Acq: 2 May 2020 2:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0501WBS02

Tot Ion	Ratio	Lower	Upper
65	100		
67	51.5	0.0	101.6

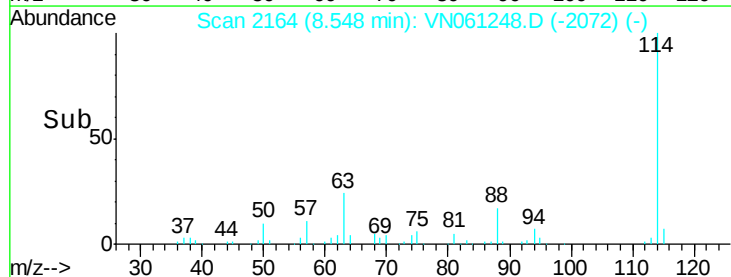
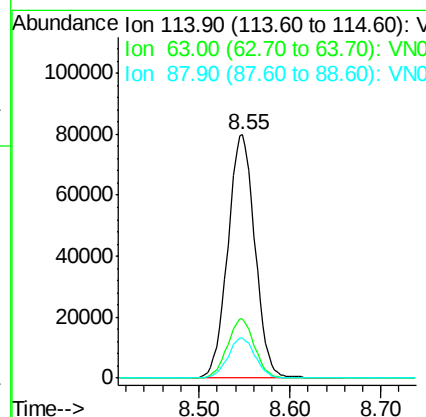
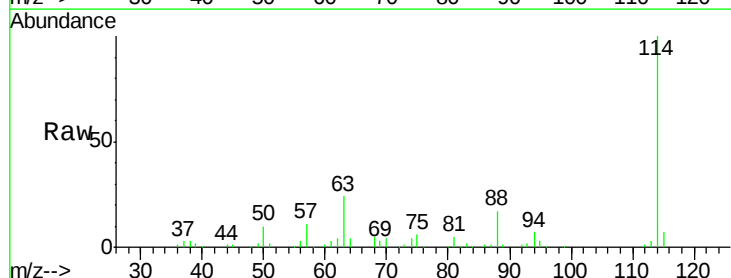
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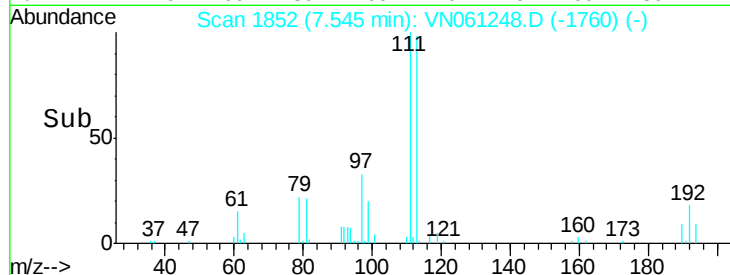
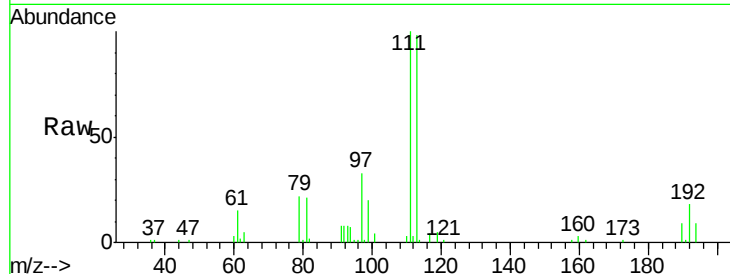
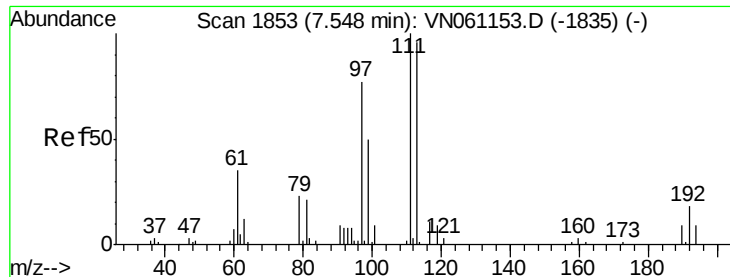
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2164
 Delta R.T. -0.00 min
 Lab File: VN061248.D
 Acq: 2 May 2020 2:43

Tgt Ion	Ratio	Lower	Upper
114	100		
63	24.3	0.0	46.6
88	16.5	0.0	33.4





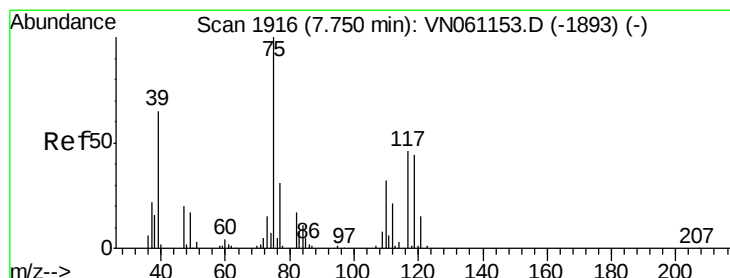
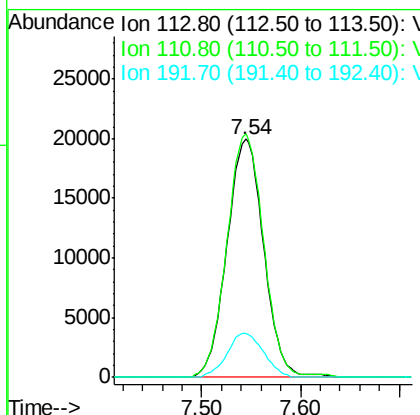
#35
Dibromofluoromethane
Concen: 52.767 ug/l
RT: 7.54 min Scan# 1852
Delta R.T. -0.00 min
Lab File: VN061248.D
Acq: 2 May 2020 2:43

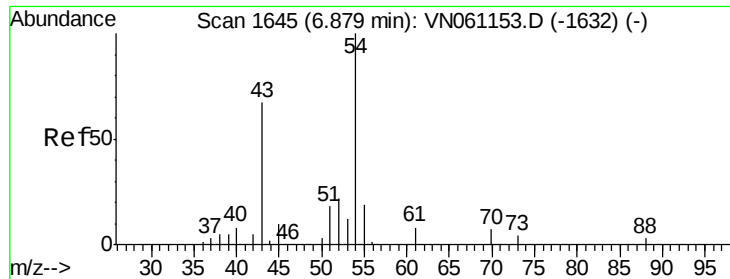
Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	102.0	82.9	124.3	
192	18.4	14.7	22.1	

Instrument :
MSVOA_N
ClientSampleId :
VN0501WBS02

Manual Integrations
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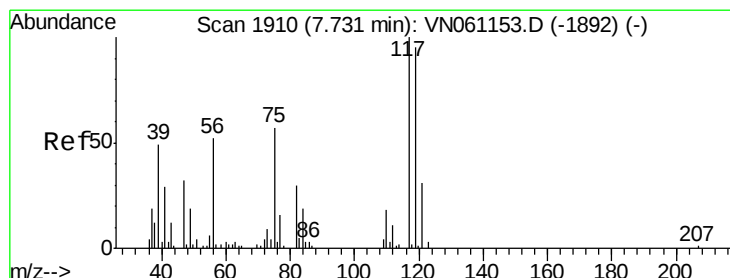
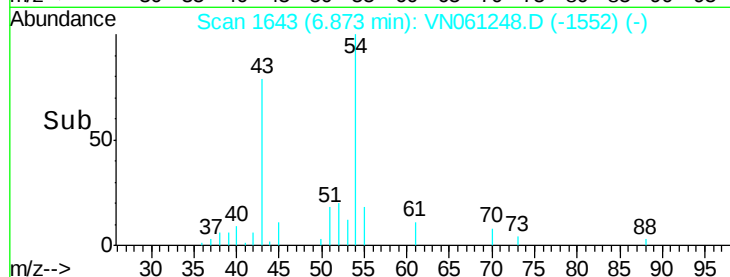
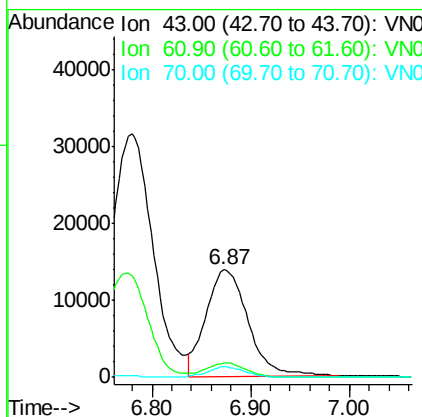
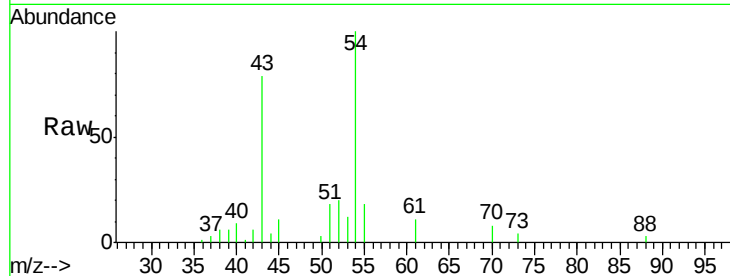
#37
Ethyl Acetate
Concen: 21.260 ug/l
RT: 6.87 min Scan# 1643
Delta R.T. -0.01 min
Lab File: VN061248.D
Acq: 2 May 2020 2:43

Instrument :
MSVOA_N
ClientSampleId :
VN0501WBS02

Tot Ion	43	Ratio	Lower	Upper
43	100			
61	12.5	10.2	15.2	
70	8.6	7.2	10.8	

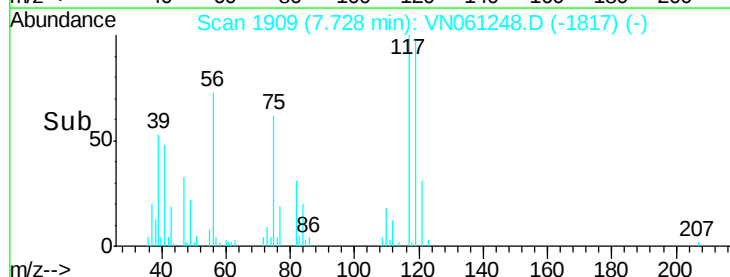
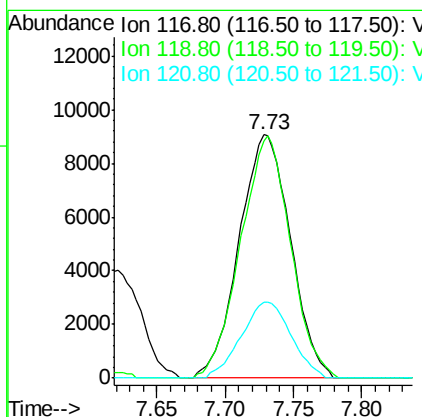
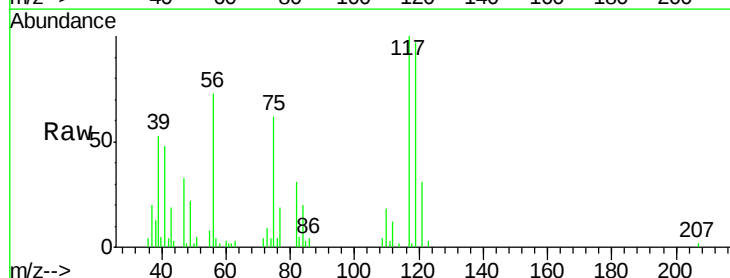
Manual Integrations
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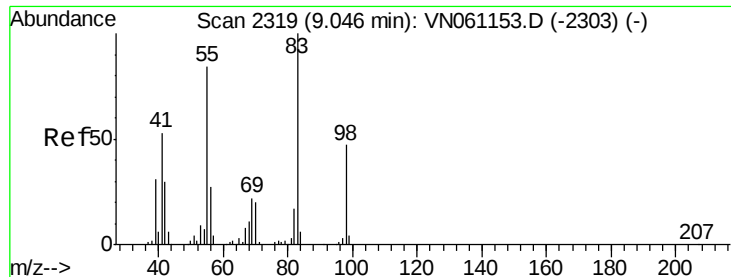
MMDadoda
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#38
Carbon Tetrachloride
Concen: 17.251 ug/l
RT: 7.73 min Scan# 1909
Delta R.T. -0.00 min
Lab File: VN061248.D
Acq: 2 May 2020 2:43

Tgt Ion	117	Ratio	Lower	Upper
117	100			
119	97.3	75.8	113.6	
121	31.0	24.7	37.1	





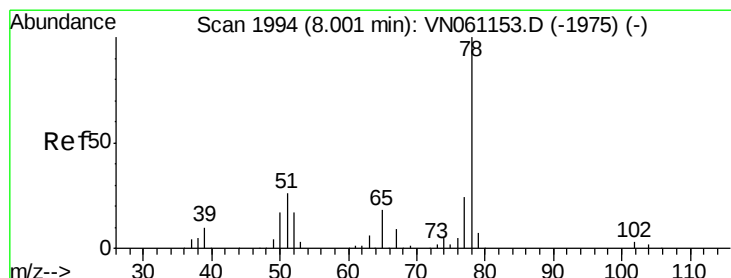
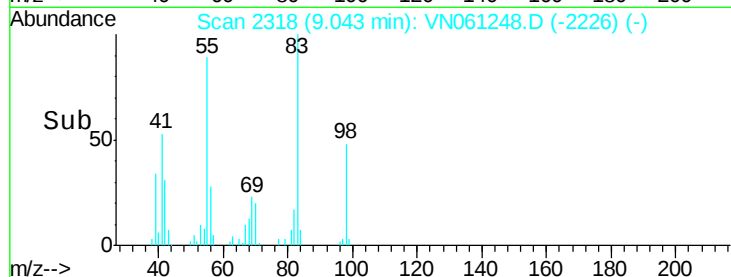
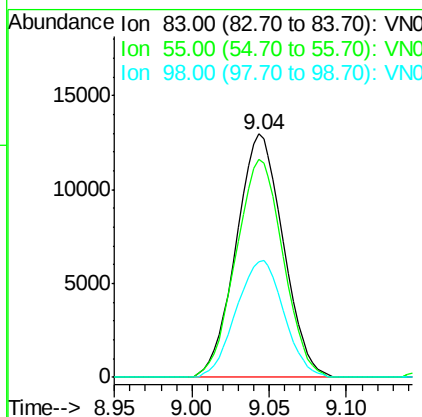
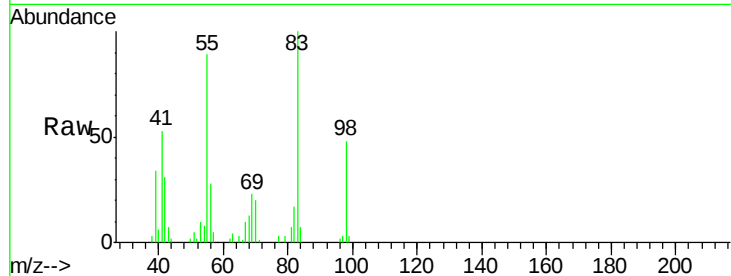
#39
Methvlcvclohexane
Concen: 14.727 ug/l
RT: 9.04 min Scan# 2318
Delta R.T. -0.00 min
Lab File: VN061248.D
Acq: 2 May 2020 2:43

Instrument :
MSVOA_N
ClientSampleId :
VN0501WBS02

Tot Ion	Ratio	Lower	Upper
83	100		
55	89.4	67.3	100.9
98	47.6	37.7	56.5

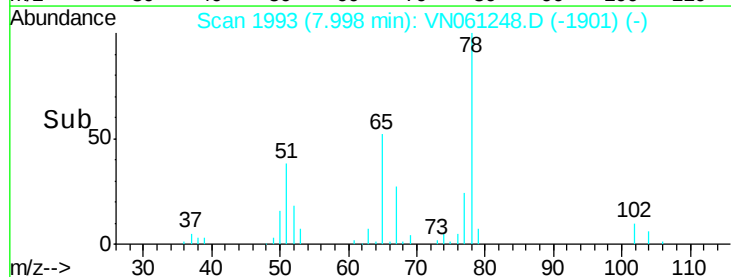
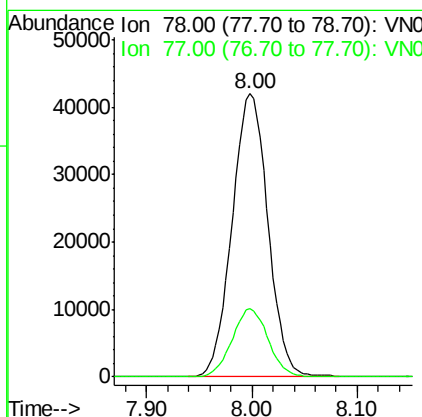
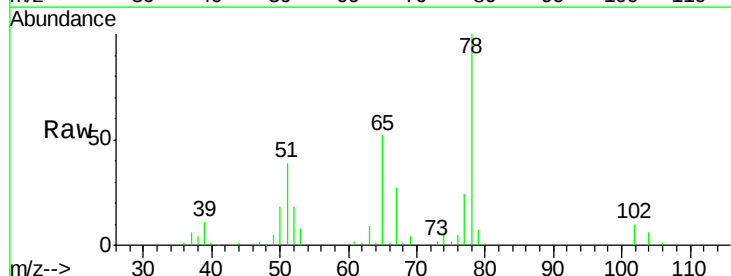
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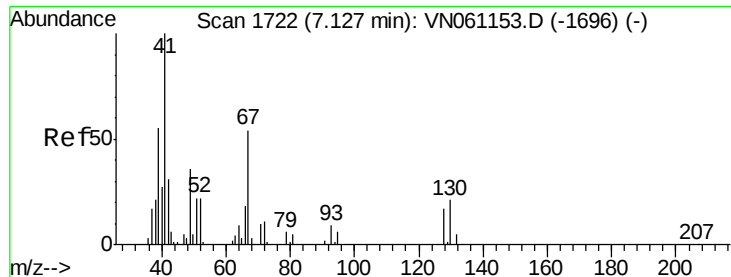
MMDadoda
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#40
Benzene
Concen: 20.068 ug/l
RT: 8.00 min Scan# 1993
Delta R.T. -0.00 min
Lab File: VN061248.D
Acq: 2 May 2020 2:43

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.0	19.0	28.6





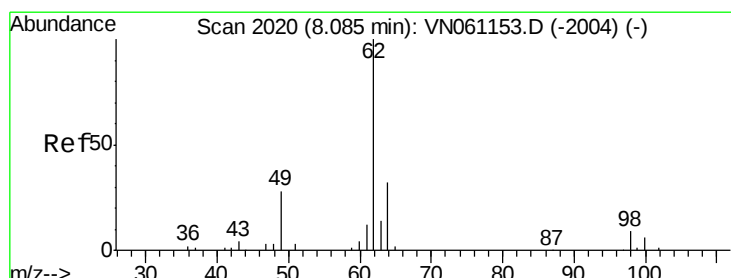
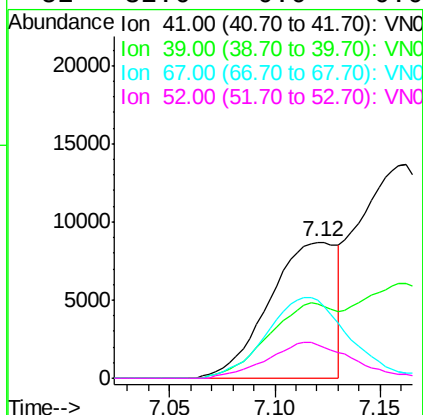
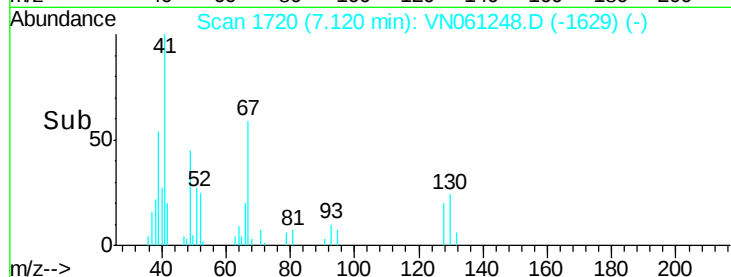
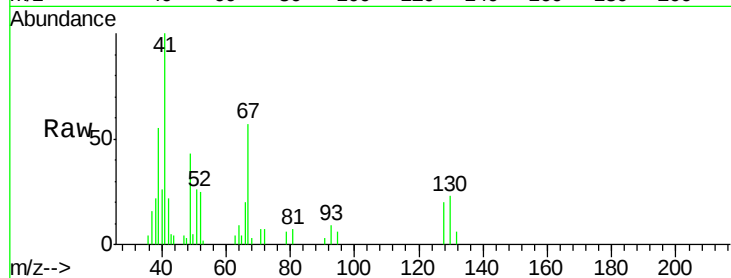
#41
Methacrylonitrile
Concen: 24.160 ug/l
RT: 7.12 min Scan# 1720
Delta R.T. -0.01 min
Lab File: VN061248.D
Acq: 2 May 2020 2:43

Instrument :
MSVOA_N
ClientSampleId :
VN0501WBS02

Tot Ion	41	Resp:	19483
Ion Ratio	Lower	Upper	
41	100		
39	54.4	0.0	0.0#
67	72.2	0.0	0.0#
52	32.6	0.0	0.0#

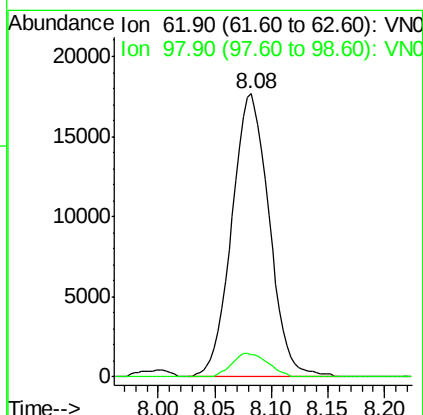
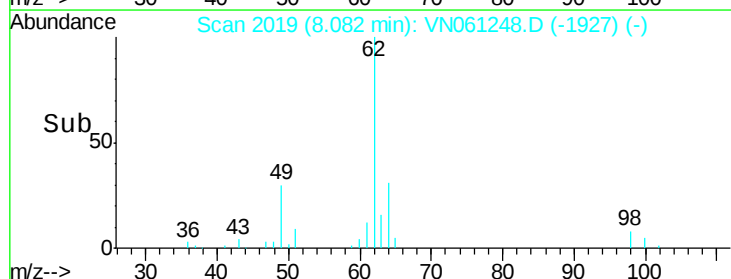
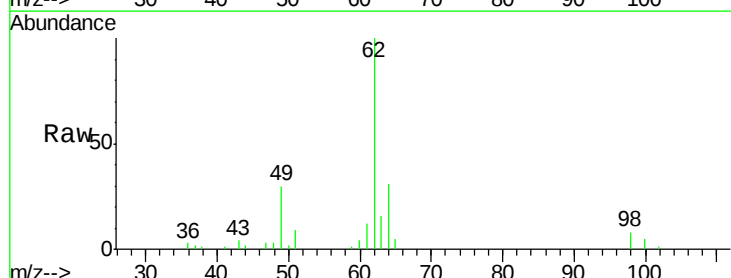
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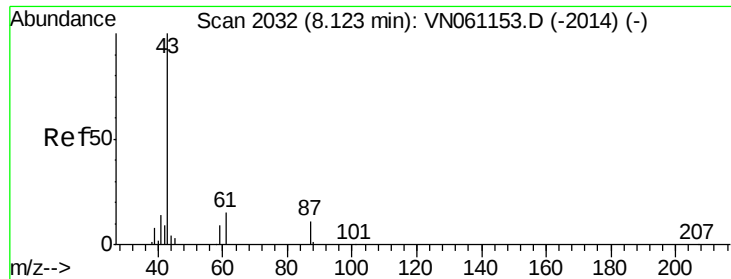
MMDadoda
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#42
1,2-Dichloroethane
Concen: 21.726 ug/l
RT: 8.08 min Scan# 2019
Delta R.T. -0.00 min
Lab File: VN061248.D
Acq: 2 May 2020 2:43

Tgt Ion	62	Resp:	40626
Ion Ratio	Lower	Upper	
62	100		
98	8.0	0.0	16.8





#43

Isopropyl Acetate

Concen: 21.146 ug/l

RT: 8.12 min Scan# 2031

Delta R.T. -0.00 min

Lab File: VN061248.D

Acq: 2 May 2020 2:43

Instrument :

MSVOA_N

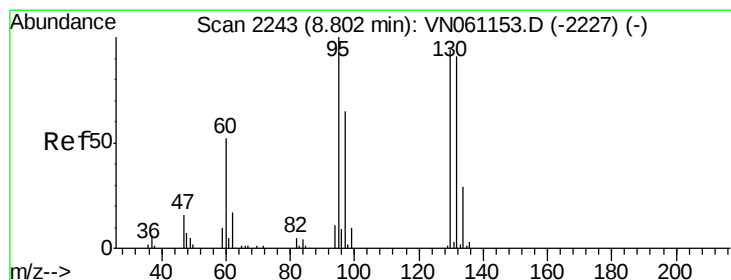
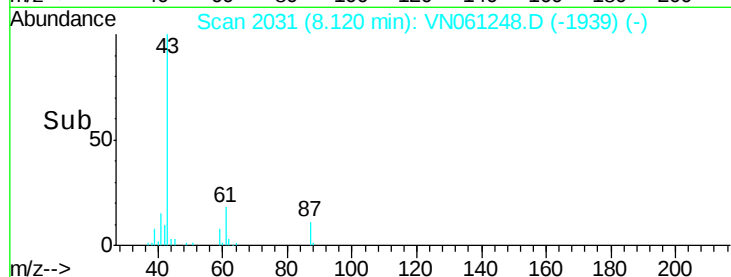
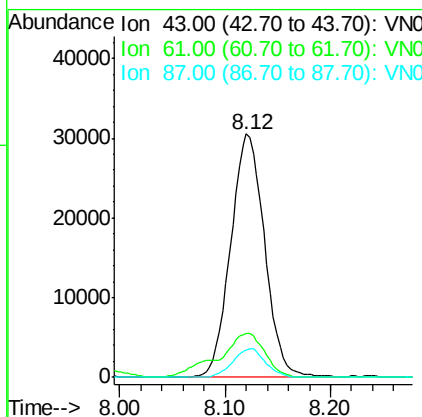
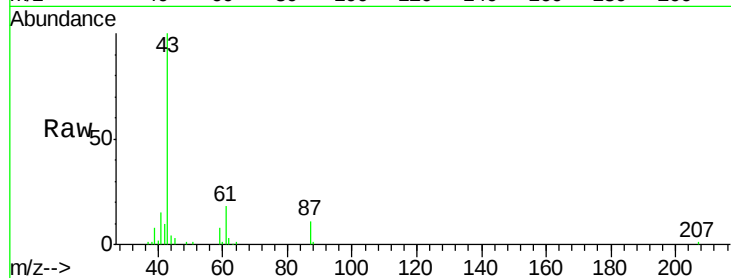
ClientSampleId :

VN0501WBS02

Tot Ion:	43	Resp:	68163
Ion Ratio	Lower	Upper	
43	100		
61	24.5	19.5	29.3
87	11.1	8.9	13.3

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#44

Trichloroethene

Concen: 17.373 ug/l

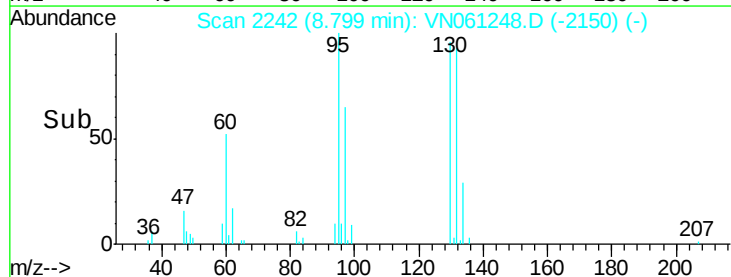
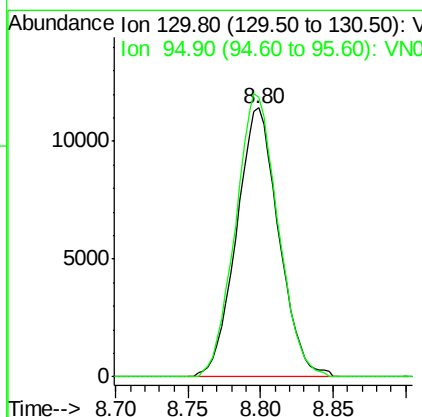
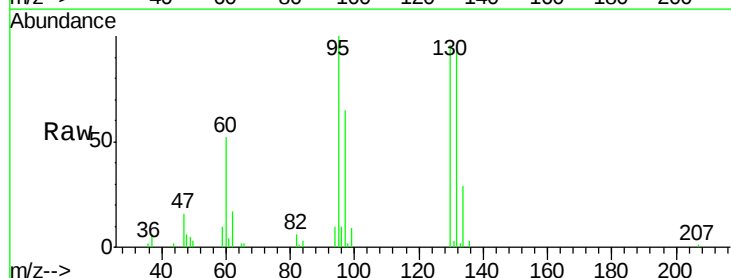
RT: 8.80 min Scan# 2242

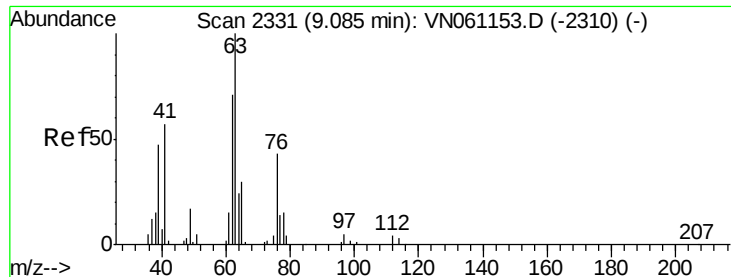
Delta R.T. -0.00 min

Lab File: VN061248.D

Acq: 2 May 2020 2:43

Tgt Ion:	130	Resp:	23181
Ion Ratio	Lower	Upper	
130	100		
95	104.2	0.0	212.4





#45

1,2-Dichloropropane

Concen: 21.271 ug/l

RT: 9.08 min Scan# 2330

Delta R.T. -0.00 min

Lab File: VN061248.D

Acq: 2 May 2020 2:43

Instrument :

MSVOA_N

ClientSampleId :

VN0501WBS02

Tot Ion: 63 Resp: 28049

Ion Ratio Lower Upper

63 100

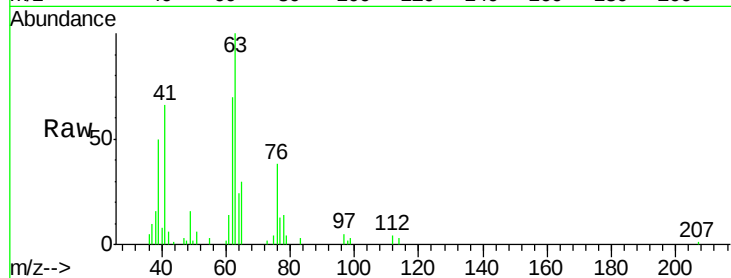
65 29.6 24.7 37.1

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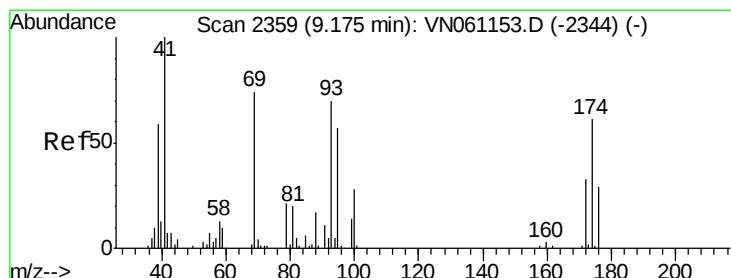
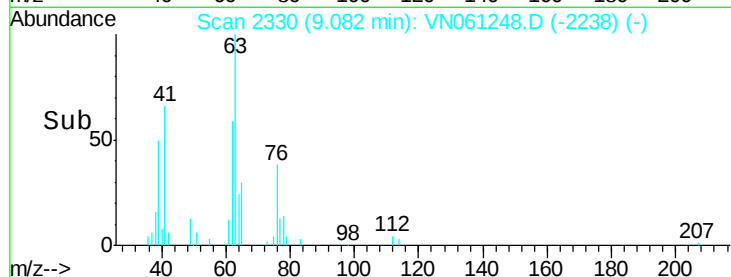
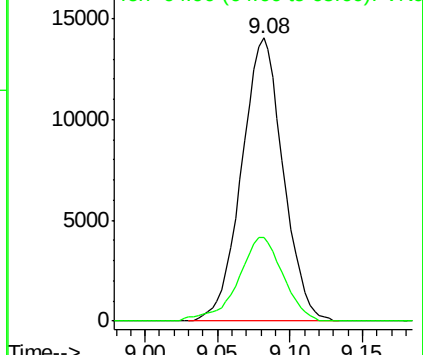
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Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 21.490 ug/l

RT: 9.17 min Scan# 2358

Delta R.T. -0.00 min

Lab File: VN061248.D

Acq: 2 May 2020 2:43

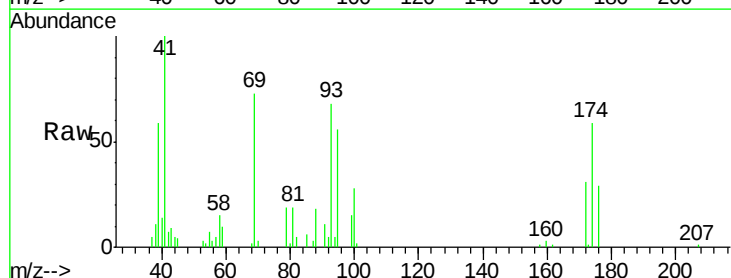
Tgt Ion: 93 Resp: 17546

Ion Ratio Lower Upper

93 100

95 82.3 66.6 99.8

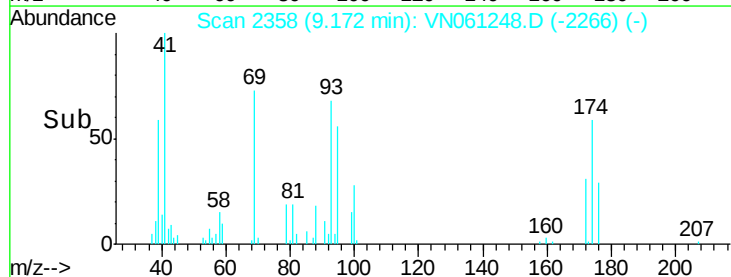
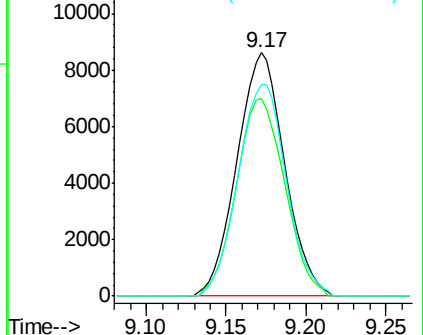
174 88.4 70.2 105.2

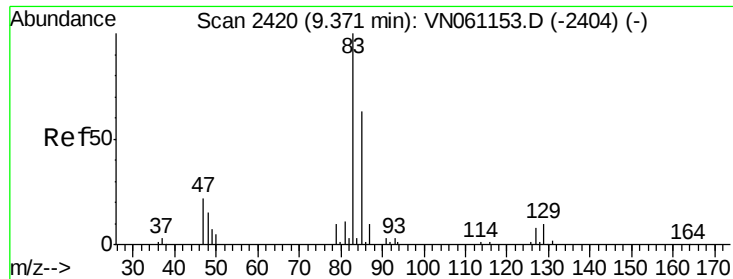


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 21.448 ug/l

RT: 9.37 min Scan# 2419

Delta R.T. -0.00 min

Lab File: VN061248.D

Acq: 2 May 2020 2:43

Instrument :

MSVOA_N

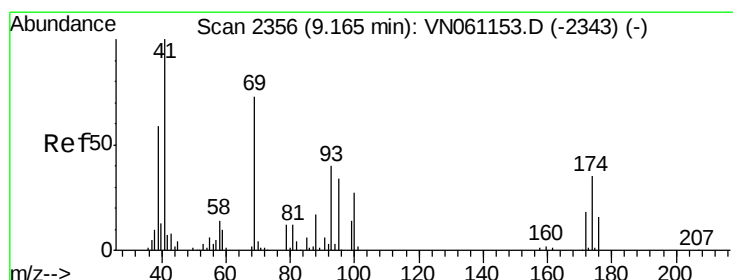
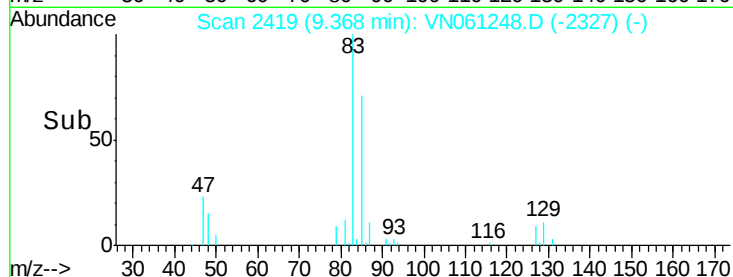
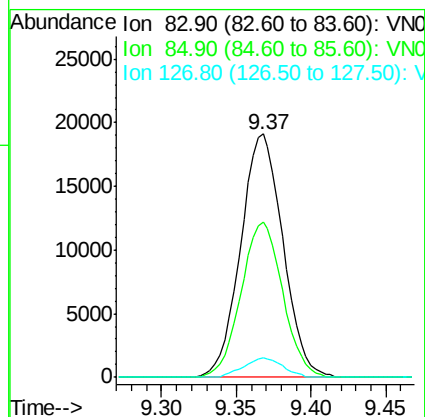
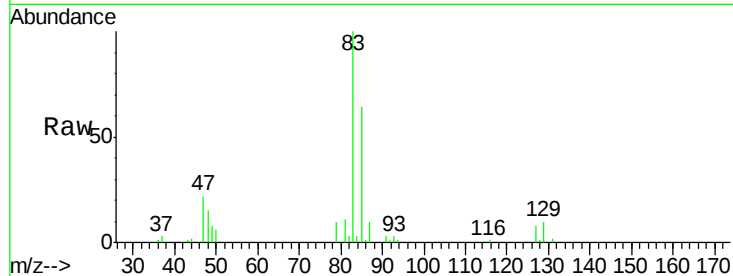
ClientSampleId :

VN0501WBS02

Tot Ion:	83	Resp:	37588
Ion Ratio	Lower	Upper	
83	100		
85	63.8	50.4	75.6
127	7.8	6.2	9.2

Manual Integrations
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#48

Methyl methacrylate

Concen: 21.179 ug/l

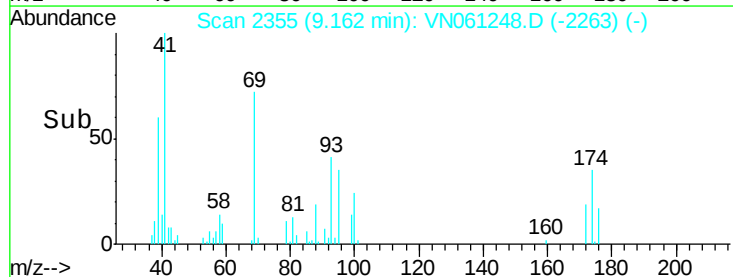
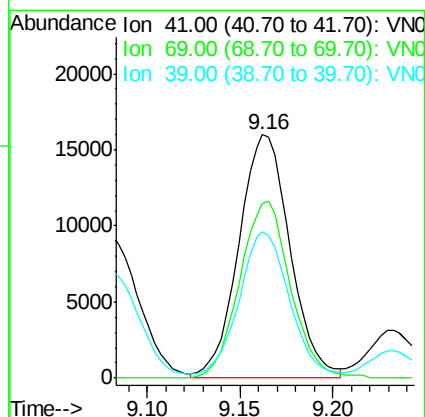
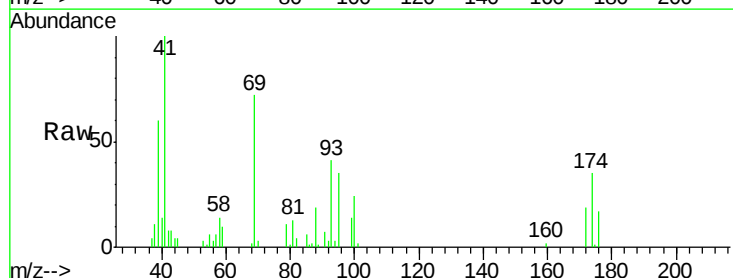
RT: 9.16 min Scan# 2355

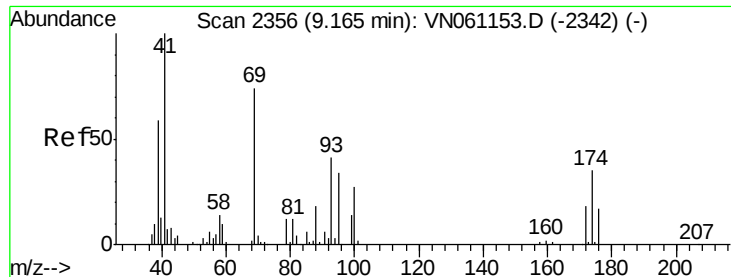
Delta R.T. -0.00 min

Lab File: VN061248.D

Acq: 2 May 2020 2:43

Tgt Ion:	41	Resp:	30807
Ion Ratio	Lower	Upper	
41	100		
69	71.9	60.3	90.5
39	60.0	47.4	71.0





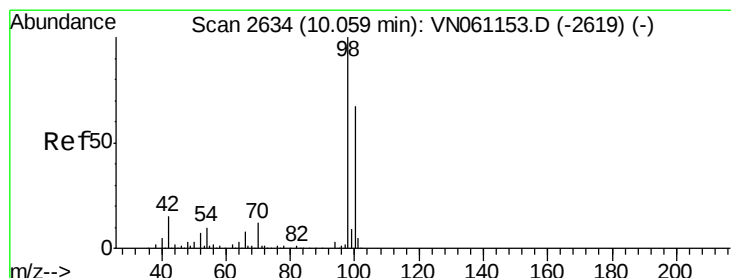
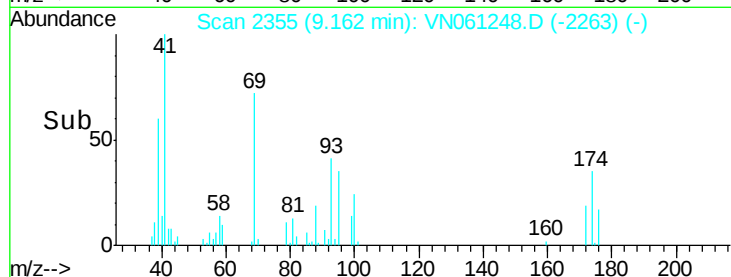
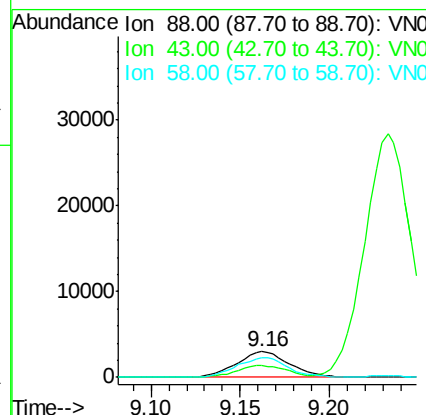
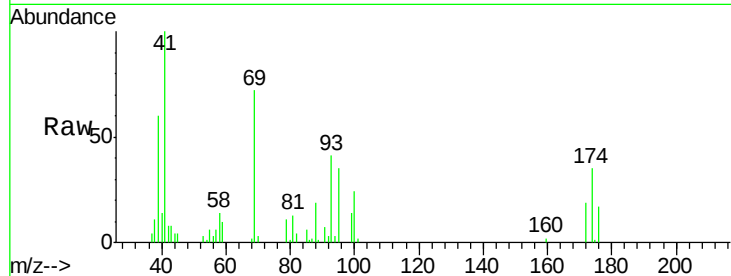
#49
 1,4-Dioxane
 Concen: 371.264 ug/l
 RT: 9.16 min Scan# 2355
 Delta R.T. -0.00 min
 Lab File: VN061248.D
 Acq: 2 May 2020 2:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0501WBS02

Tot Ion	Ratio	Lower	Upper
88	100		
43	44.5	35.3	52.9
58	75.0	61.5	92.3

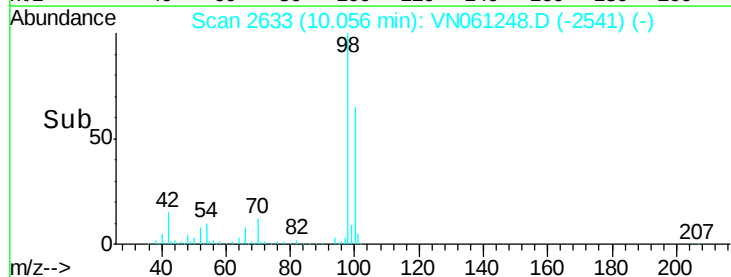
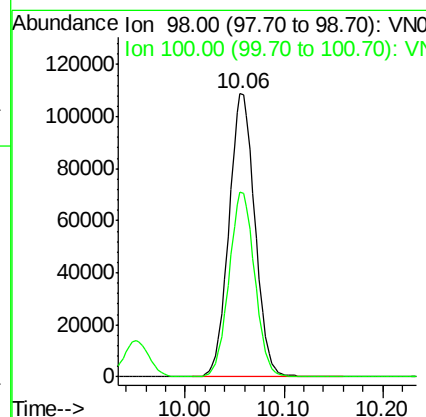
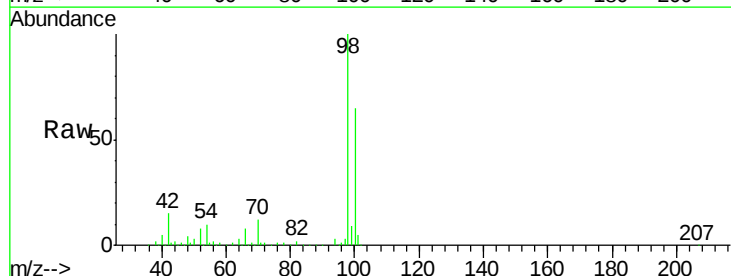
Manual Integrations
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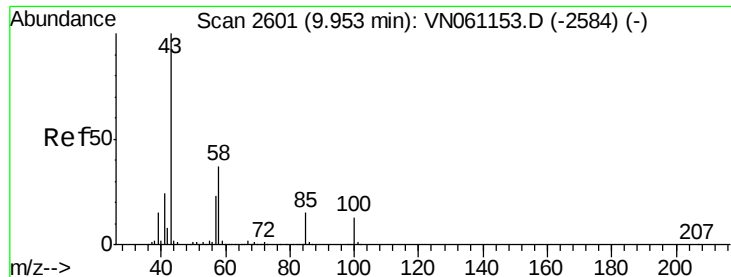
MMDadoda
 5/4/2020 2:58:09 PM



#50
 Toluene-d8
 Concen: 50.338 ug/l
 RT: 10.06 min Scan# 2633
 Delta R.T. -0.00 min
 Lab File: VN061248.D
 Acq: 2 May 2020 2:43

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.7	53.4	80.0





#51

4-Methyl-2-Pentanone

Concen: 105.510 ug/l

RT: 9.95 min Scan# 2600

Delta R.T. -0.00 min

Lab File: VN061248.D

Acq: 2 May 2020 2:43

Instrument :

MSVOA_N

ClientSampleId :

VN0501WBS02

Tot Ion: 43 Resp: 200190

Ion Ratio Lower Upper

43 100

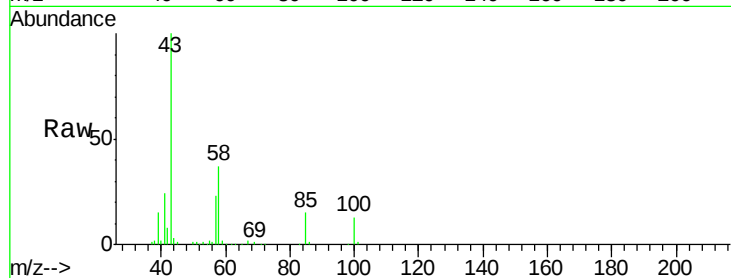
58 36.3 29.1 43.7

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VN061153.D (-2584) (-)

Ion 58.00 (57.70 to 58.70): VN061153.D (-2584) (-)

9.95

120000

100000

80000

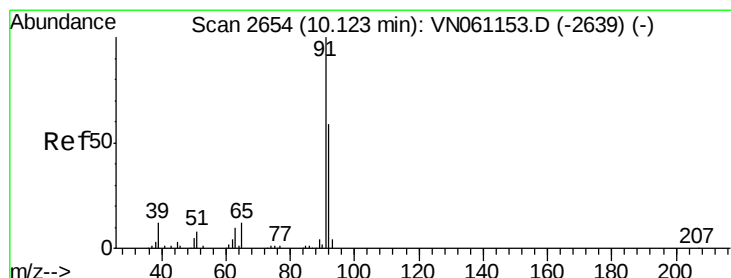
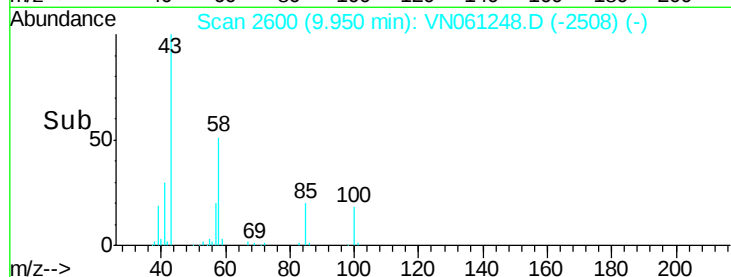
60000

40000

20000

0

Time-->



#52

Toluene

Concen: 18.960 ug/l

RT: 10.12 min Scan# 2654

Delta R.T. 0.00 min

Lab File: VN061248.D

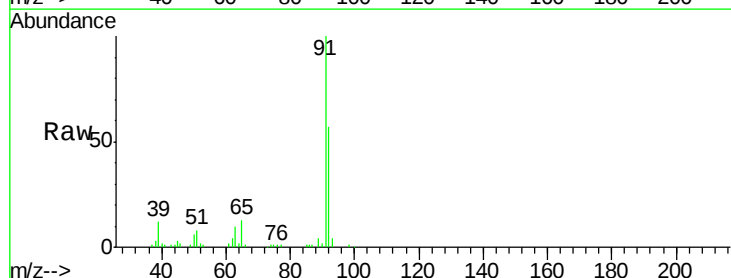
Acq: 2 May 2020 2:43

Tgt Ion: 92 Resp: 56370

Ion Ratio Lower Upper

92 100

91 174.4 136.2 204.2



Abundance Ion 92.00 (91.70 to 92.70): VN061153.D (-2639) (-)

Ion 91.00 (90.70 to 91.70): VN061153.D (-2639) (-)

10.12

60000

50000

40000

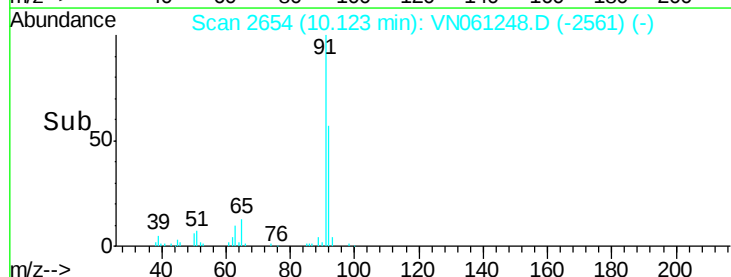
30000

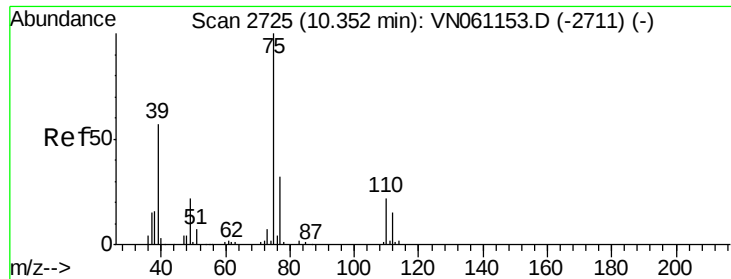
20000

10000

0

Time-->





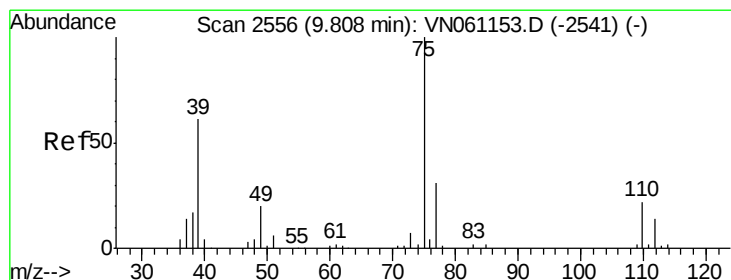
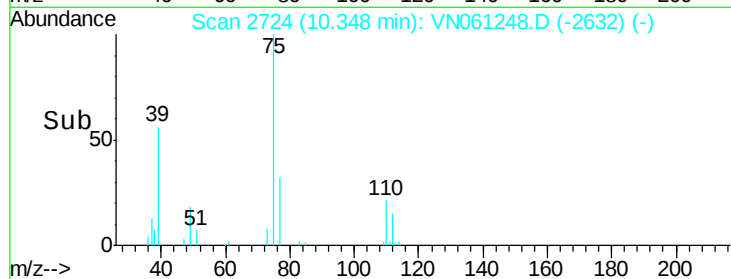
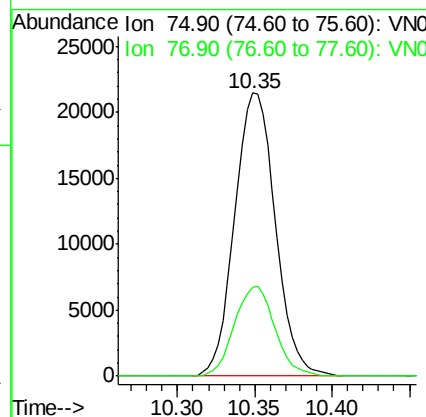
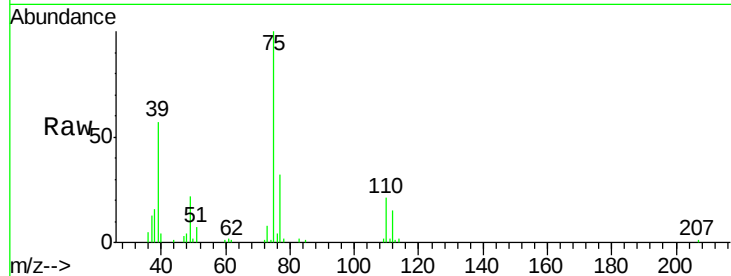
#53
t-1,3-Dichloropropene
Concen: 19.878 ug/l
RT: 10.35 min Scan# 2724
Delta R.T. -0.00 min
Lab File: VN061248.D
Acq: 2 May 2020 2:43

Instrument :
MSVOA_N
ClientSampleId :
VN0501WBS02

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.5	25.5	38.3

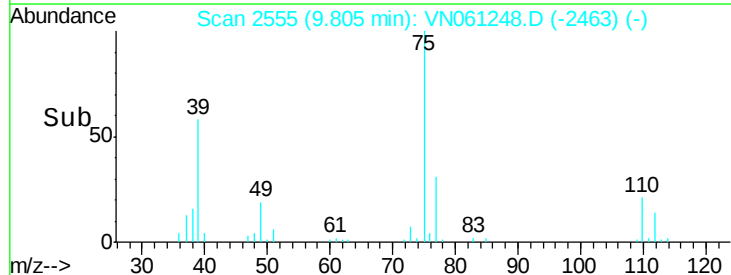
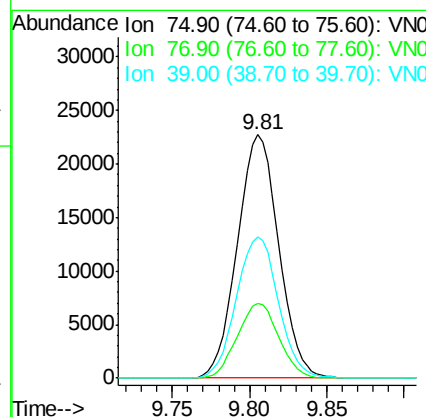
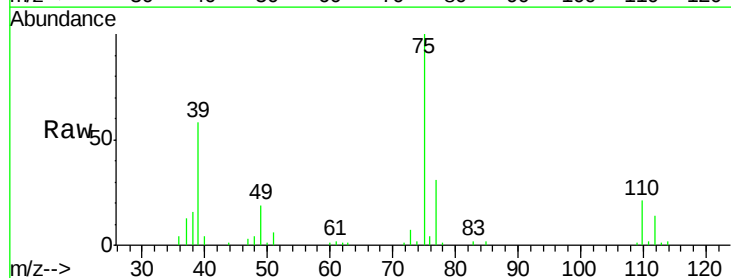
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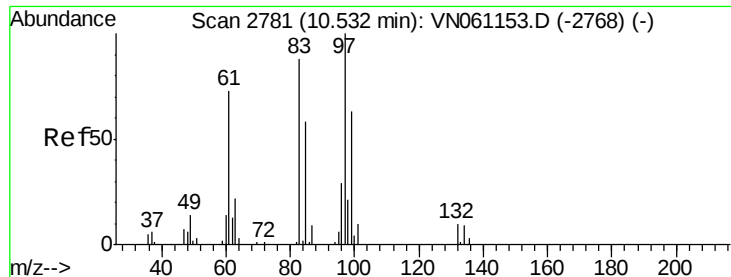
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 20.270 ug/l
RT: 9.81 min Scan# 2555
Delta R.T. -0.00 min
Lab File: VN061248.D
Acq: 2 May 2020 2:43

Tgt Ion	Ratio	Lower	Upper
75	100		
77	30.9	25.0	37.4
39	58.1	48.7	73.1





#55

1,1,2-Trichloroethane

Concen: 21.049 ug/l

RT: 10.53 min Scan# 2781

Delta R.T. 0.00 min

Lab File: VN061248.D

Acq: 2 May 2020 2:43

Instrument :

MSVOA_N

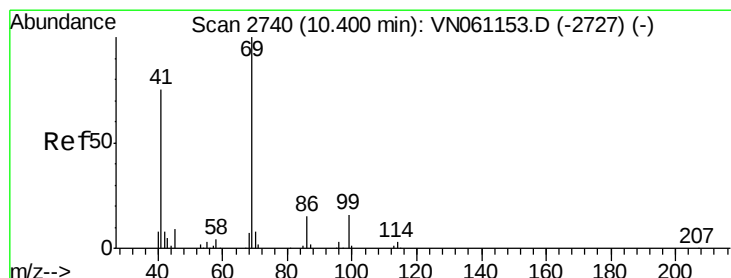
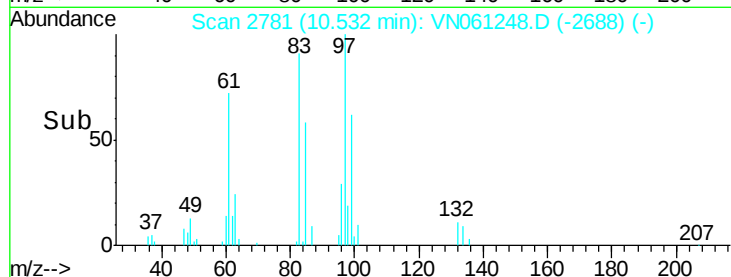
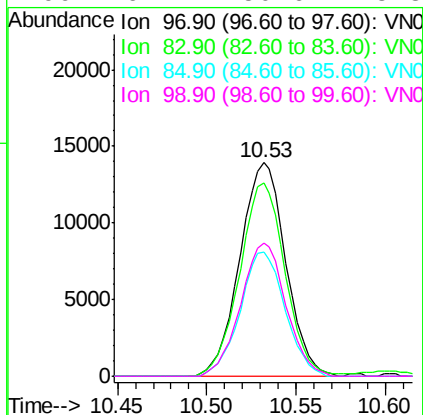
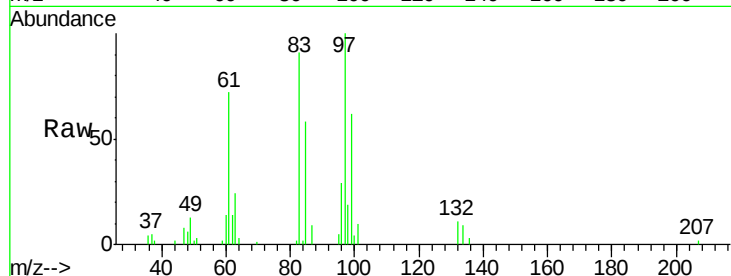
ClientSampleId :

VN0501WBS02

Tot Ion:	97	Resp:	24961
Ion	Ratio	Lower	Upper
97	100		
83	90.6	70.6	106.0
85	58.0	46.4	69.6
99	62.4	50.6	75.8

Manual Integrations
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#56

Ethyl methacrylate

Concen: 19.635 ug/l

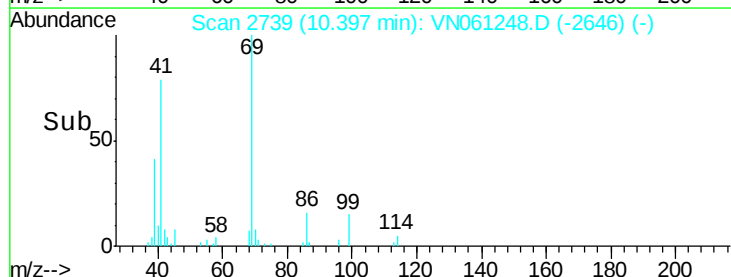
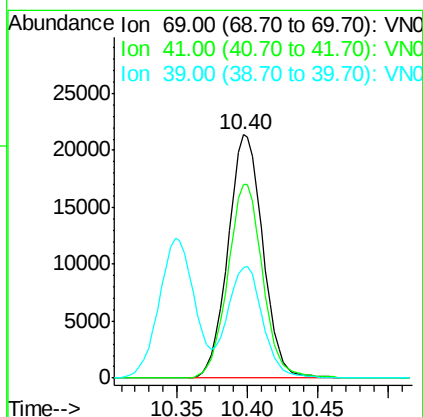
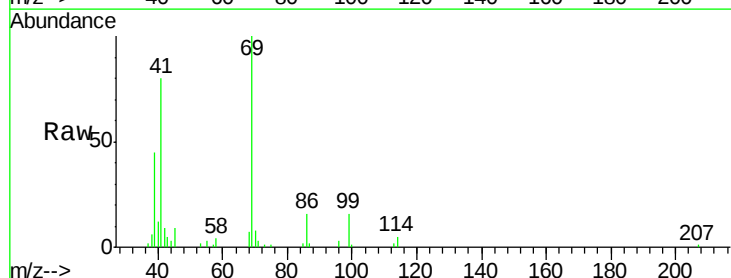
RT: 10.40 min Scan# 2739

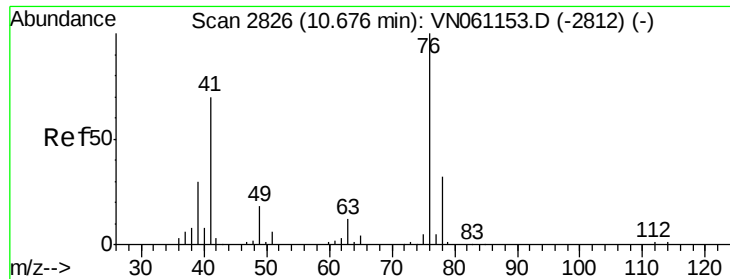
Delta R.T. -0.00 min

Lab File: VN061248.D

Acq: 2 May 2020 2:43

Tgt Ion:	69	Resp:	36956
Ion	Ratio	Lower	Upper
69	100		
41	79.7	60.3	90.5
39	46.7	35.9	53.9





#57

1,3-Dichloropropane

Concen: 21.707 ug/l

RT: 10.68 min Scan# 2826

Delta R.T. 0.00 min

Lab File: VN061248.D

Acq: 2 May 2020 2:43

Instrument :

MSVOA_N

ClientSampleId :

VN0501WBS02

Tot Ion: 76 Resp: 45247

Ion Ratio Lower Upper

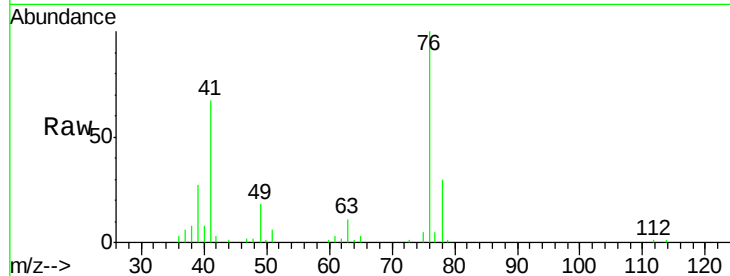
76 100

78 32.3 25.5 38.3

Manual Integrations
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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

10.68

25000

20000

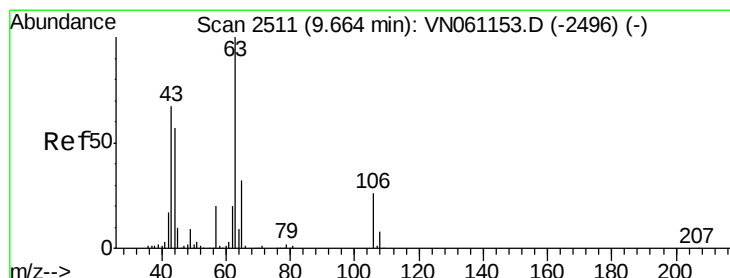
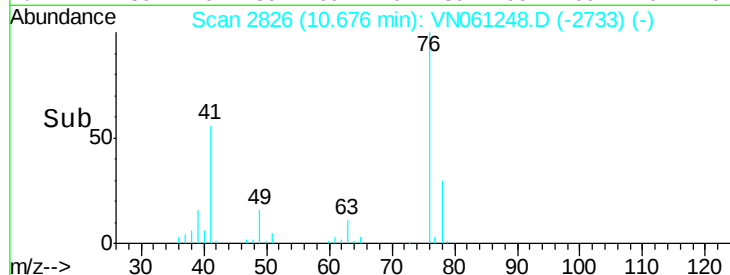
15000

10000

5000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 96.828 ug/l

RT: 9.66 min Scan# 2510

Delta R.T. -0.00 min

Lab File: VN061248.D

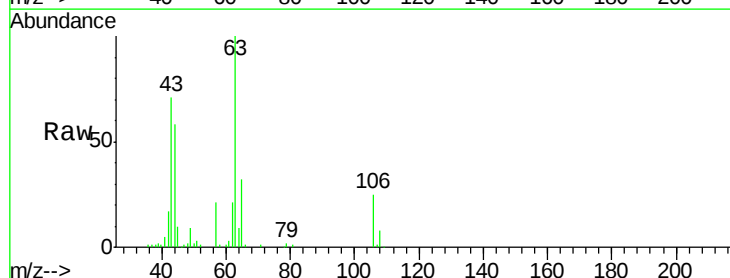
Acq: 2 May 2020 2:43

Tgt Ion: 63 Resp: 92944

Ion Ratio Lower Upper

63 100

106 24.5 20.6 30.8



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

9.66

60000

50000

40000

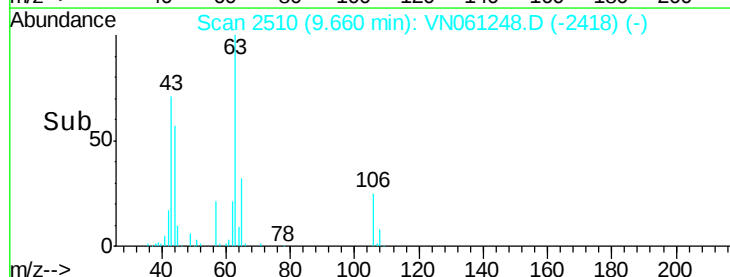
30000

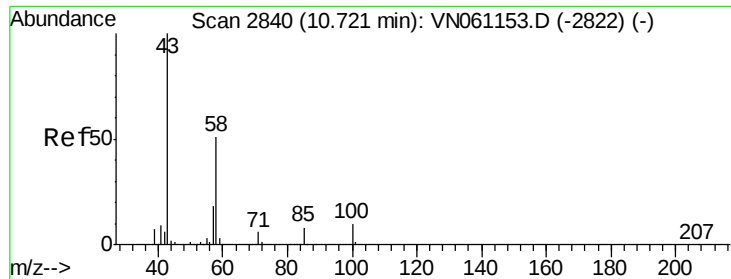
20000

10000

0

Time-->





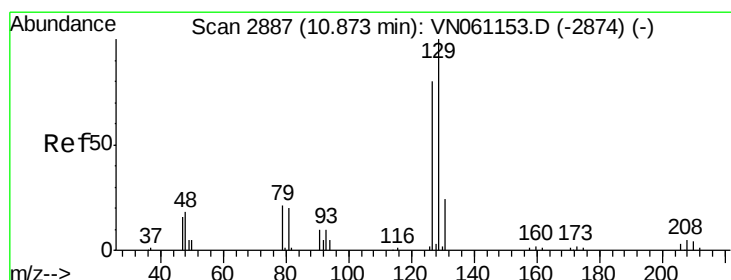
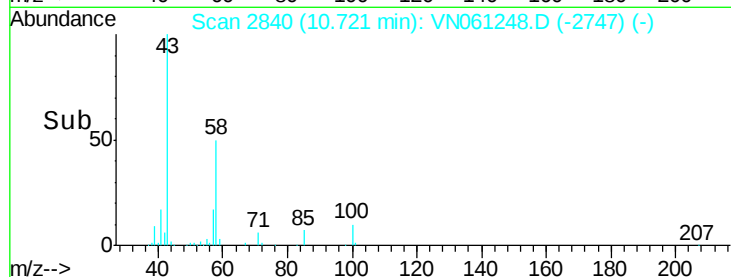
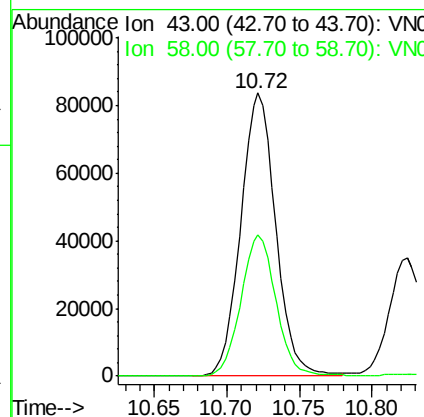
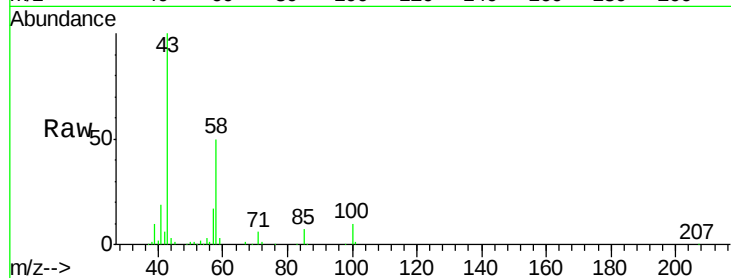
#59
2-Hexanone
Concen: 101.546 ug/l
RT: 10.72 min Scan# 2840
Delta R.T. 0.00 min
Lab File: VN061248.D
Acq: 2 May 2020 2:43

Instrument :
MSVOA_N
ClientSampleId :
VN0501WBS02

Tot Ion	43	Resp	140170
Ion Ratio	100	Lower	Upper
43	100		
58	50.1	25.4	76.4

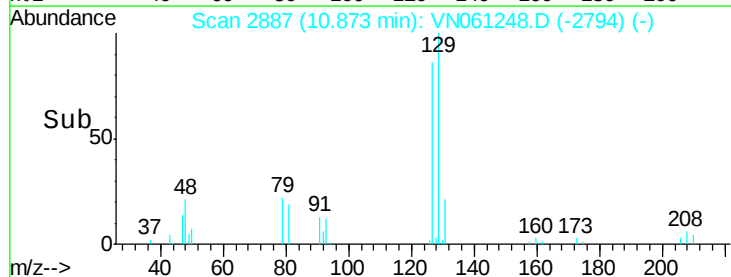
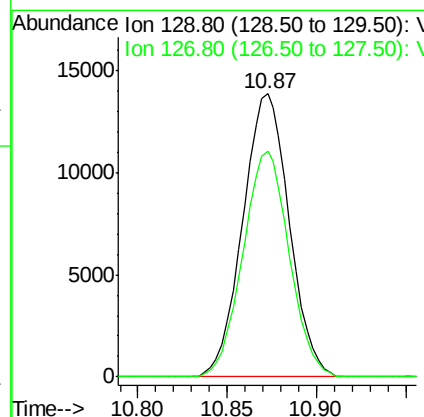
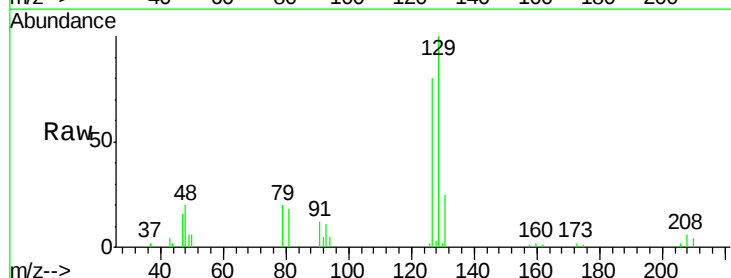
Manual Integrations
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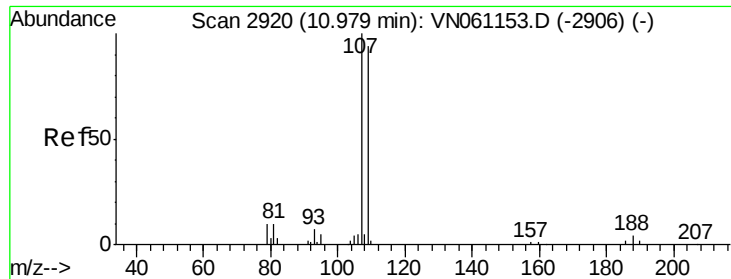
MMDadoda
5/4/2020 2:58:09 PM



#60
Dibromochloromethane
Concen: 20.305 ug/l
RT: 10.87 min Scan# 2887
Delta R.T. 0.00 min
Lab File: VN061248.D
Acq: 2 May 2020 2:43

Tgt Ion	129	Resp	25219
Ion Ratio	100	Lower	Upper
129	100		
127	79.3	39.3	117.8





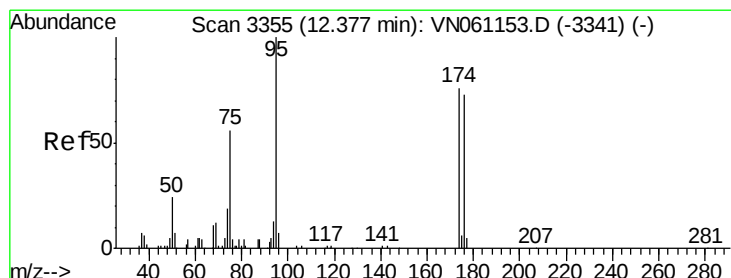
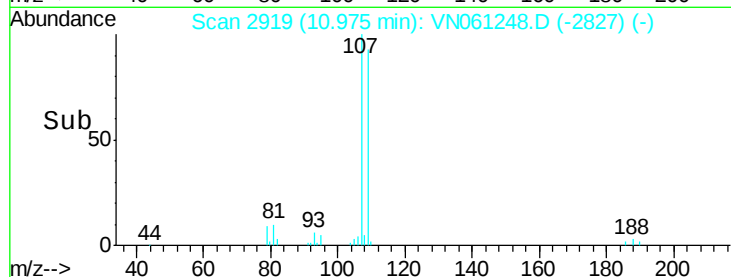
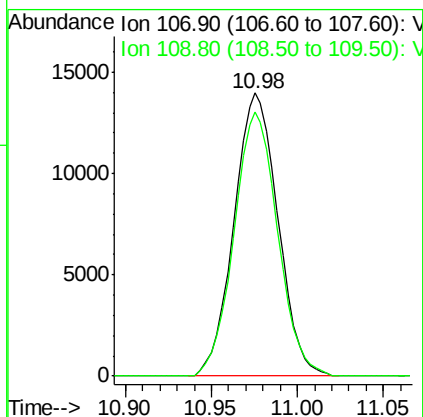
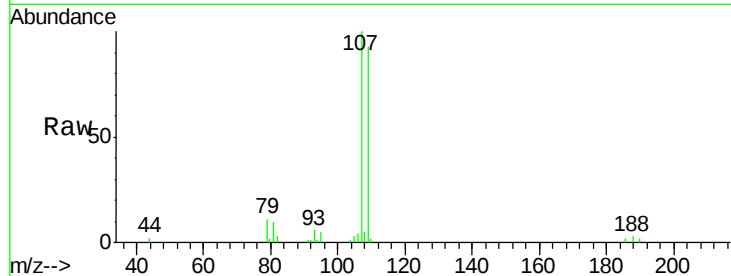
#61
 1,2-Dibromoethane
 Concen: 20.893 ug/l
 RT: 10.98 min Scan# 2919
 Delta R.T. -0.00 min
 Lab File: VN061248.D
 Acq: 2 May 2020 2:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0501WBS02

Tot Ion:107 Resp: 24833
 Ion Ratio Lower Upper
 107 100
 109 92.8 74.8 112.2

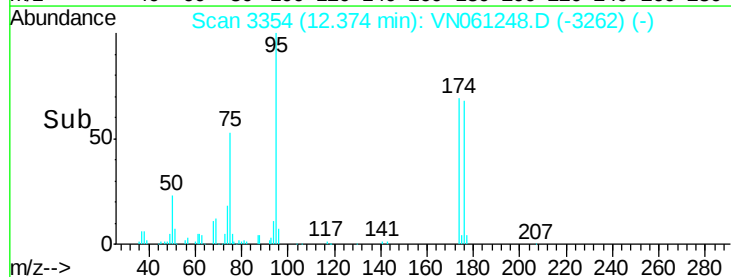
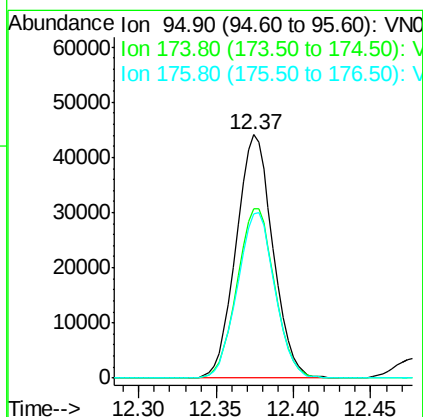
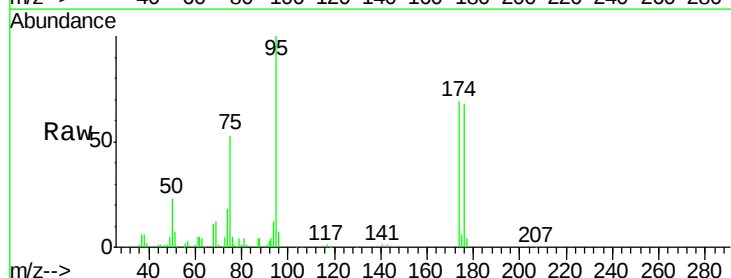
Manual Integrations
 APPROVED

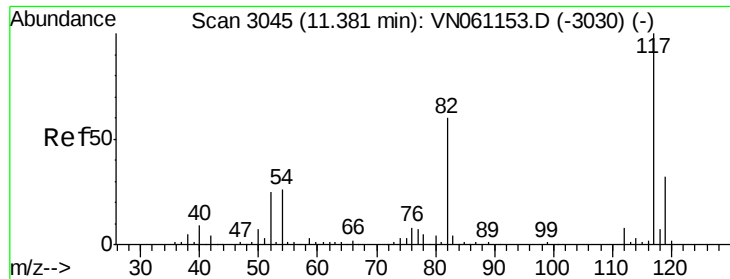
MMDadoda
 5/4/2020 2:58:09 PM



#62
 4-Bromofluorobenzene
 Concen: 48.544 ug/l
 RT: 12.37 min Scan# 3354
 Delta R.T. -0.00 min
 Lab File: VN061248.D
 Acq: 2 May 2020 2:43

Tgt Ion: 95 Resp: 72880
 Ion Ratio Lower Upper
 95 100
 174 71.1 0.0 149.4
 176 69.2 0.0 144.8





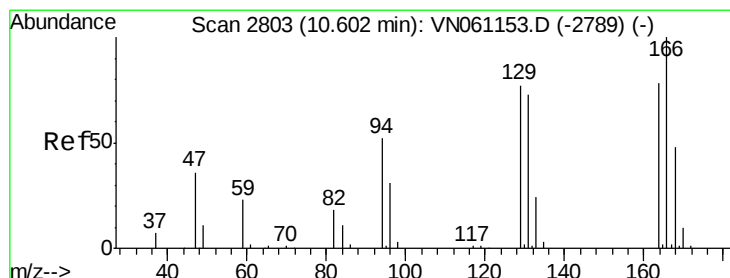
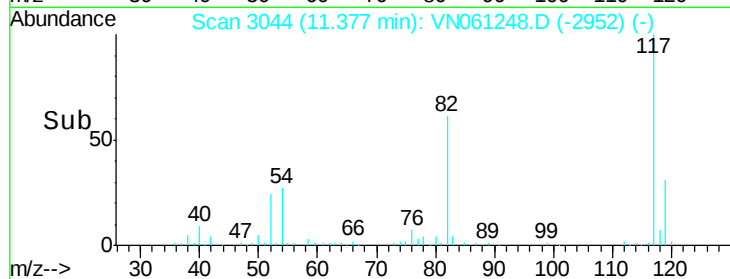
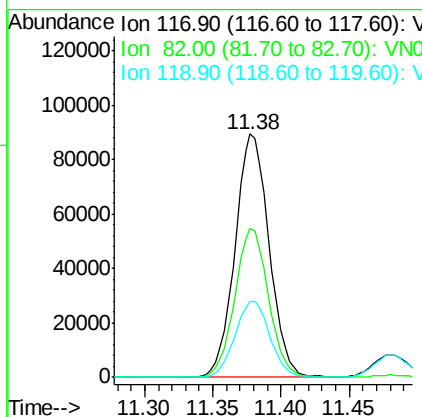
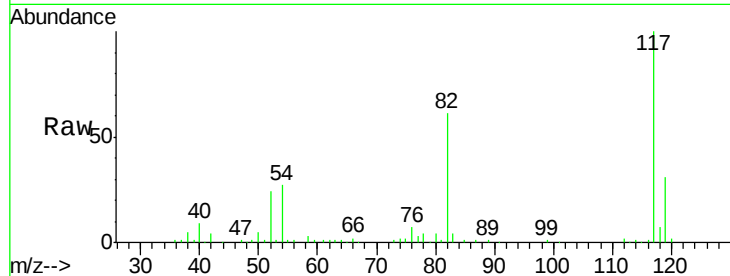
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 3044
Delta R.T. -0.00 min
Lab File: VN061248.D
Acq: 2 May 2020 2:43

Instrument :
MSVOA_N
ClientSampleId :
VN0501WBS02

Tot Ion	Ratio	Resp	Lower	Upper
117	100	154712		
82	61.1	47.8	71.8	
119	31.2	25.8	38.6	

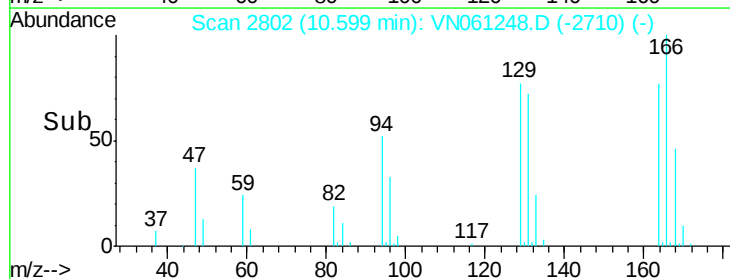
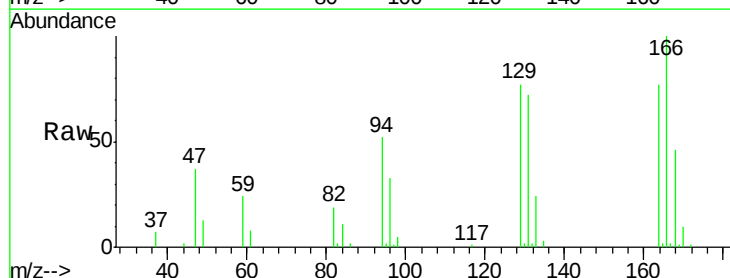
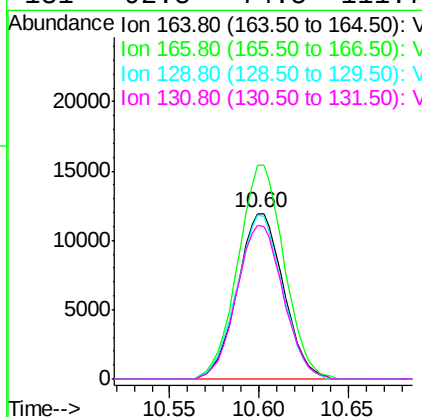
Manual Integrations
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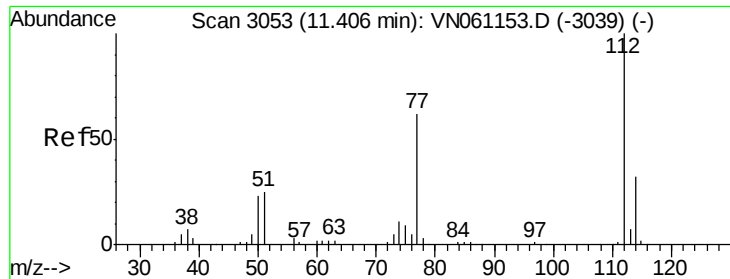
MMDadoda
5/4/2020 2:58:09 PM



#64
Tetrachloroethene
Concen: 16.038 ug/l
RT: 10.60 min Scan# 2802
Delta R.T. -0.00 min
Lab File: VN061248.D
Acq: 2 May 2020 2:43

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	21491		
166	129.1	102.0	153.0	
129	99.4	78.2	117.2	
131	92.8	74.5	111.7	





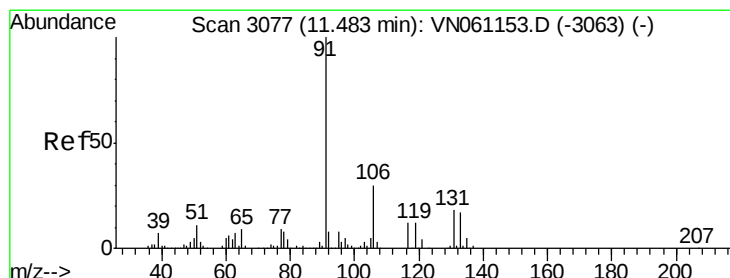
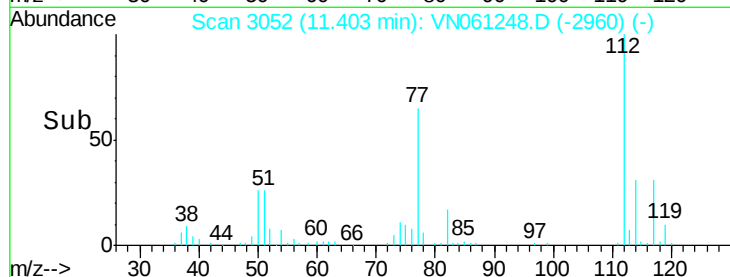
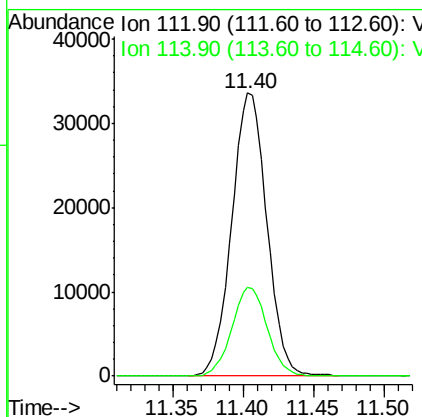
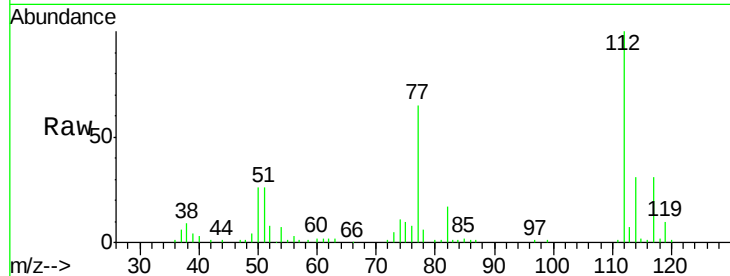
#65
Chlorobenzene
Concen: 19.092 ug/l
RT: 11.40 min Scan# 3052
Delta R.T. -0.00 min
Lab File: VN061248.D
Acq: 2 May 2020 2:43

Instrument :
MSVOA_N
ClientSampleId :
VN0501WBS02

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.4	25.4	38.2

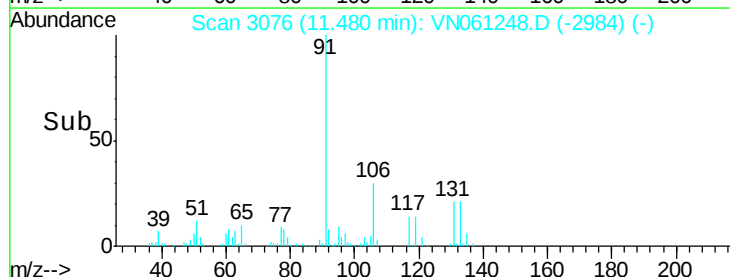
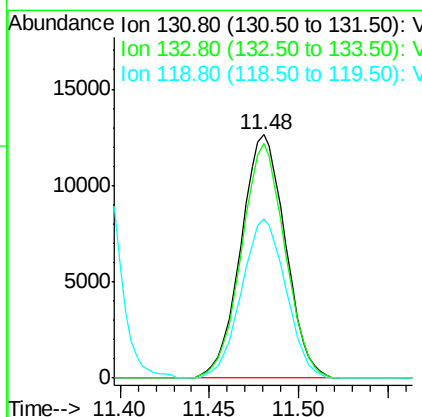
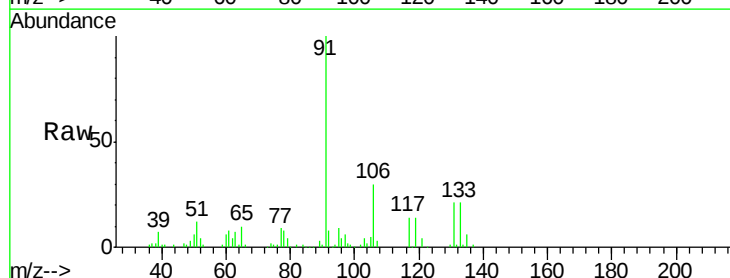
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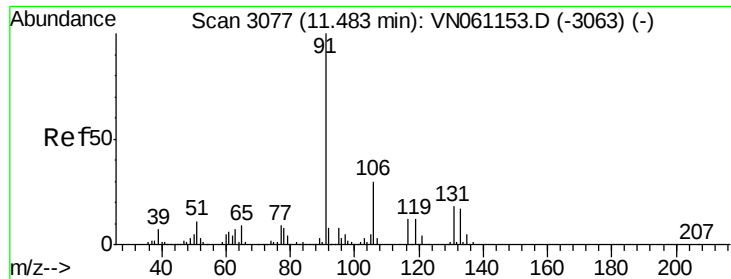
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.063 ug/l
RT: 11.48 min Scan# 3076
Delta R.T. -0.00 min
Lab File: VN061248.D
Acq: 2 May 2020 2:43

Tgt Ion	Ratio	Lower	Upper
131	100		
133	94.4	48.0	144.2
119	65.2	32.6	97.8





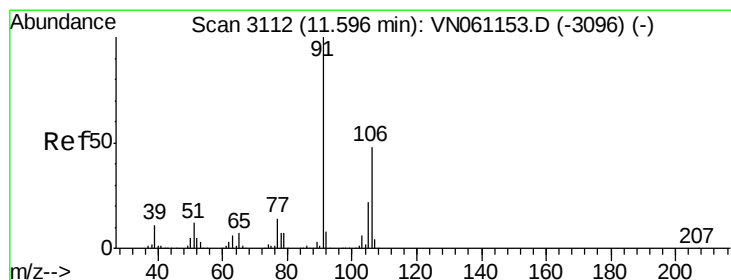
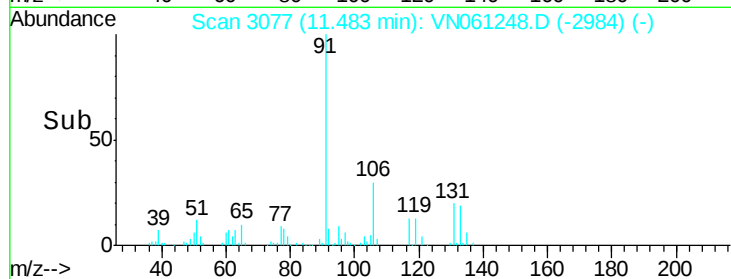
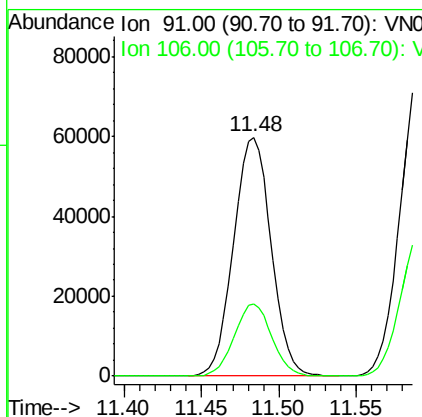
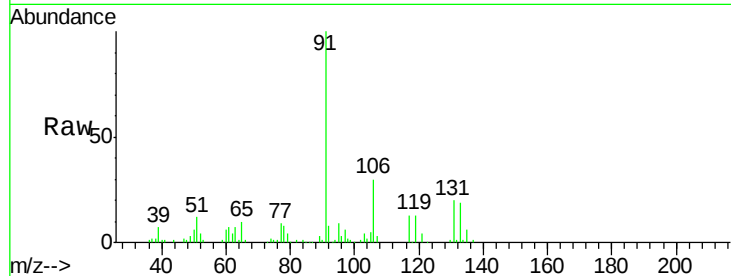
#67
Ethyl Benzene
Concen: 17.549 ug/l
RT: 11.48 min Scan# 3077
Delta R.T. 0.00 min
Lab File: VN061248.D
Acq: 2 May 2020 2:43

Instrument :
MSVOA_N
ClientSampleId :
VN0501WBS02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
91	100				
106	30.3		23.8	35.6	

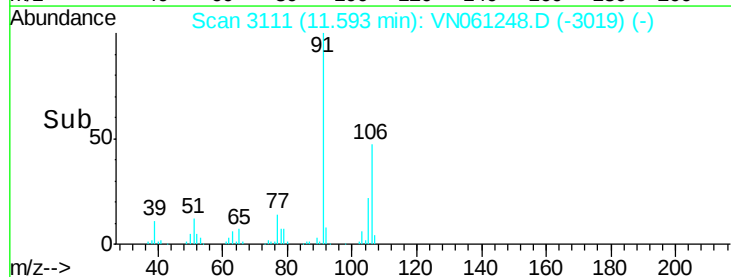
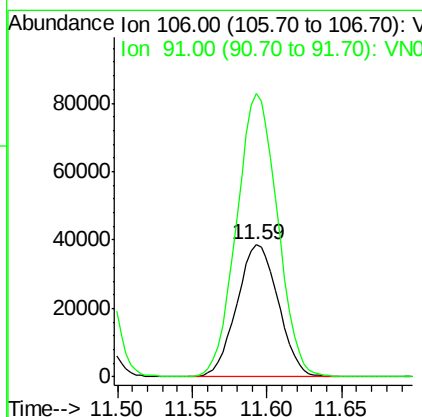
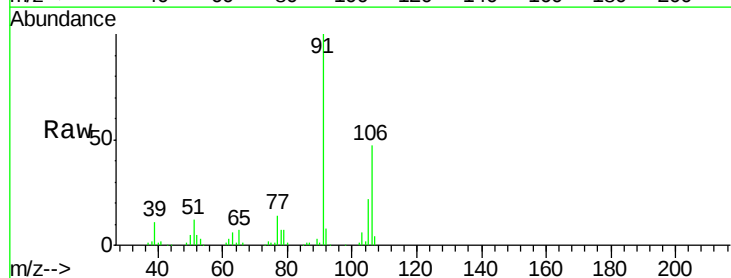
Manual Integrations
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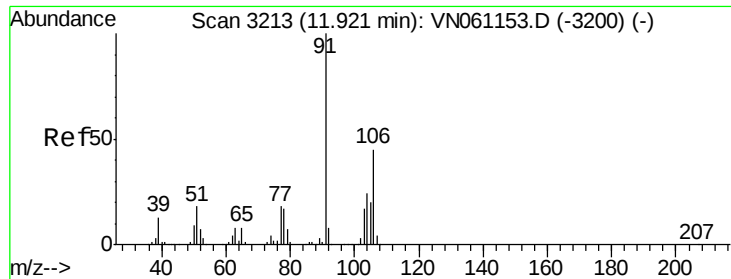
MMDadoda
5/4/2020 2:58:09 PM



#68
m/p-Xylenes
Concen: 35.500 ug/l
RT: 11.59 min Scan# 3111
Delta R.T. -0.00 min
Lab File: VN061248.D
Acq: 2 May 2020 2:43

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
106	100				
91	211.2		166.4	249.6	





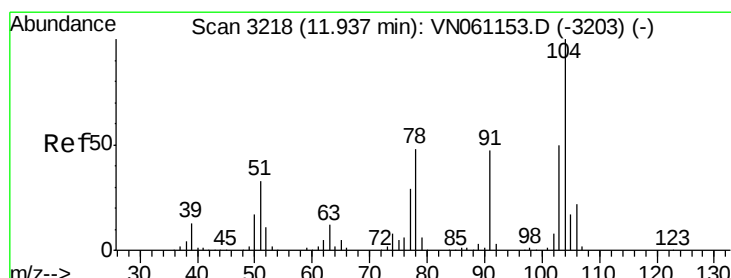
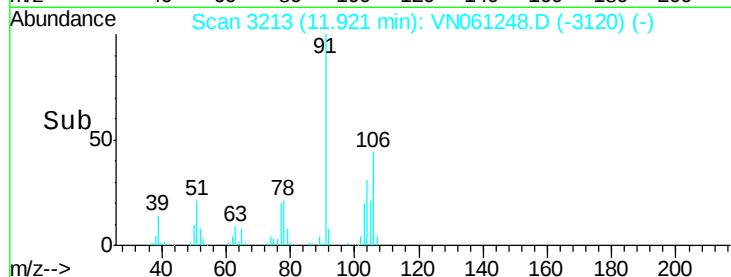
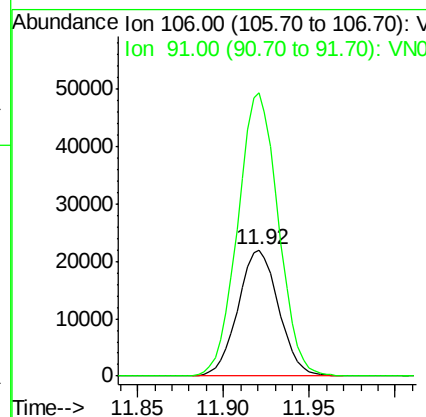
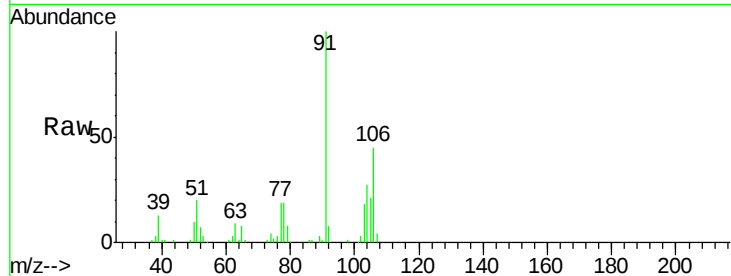
#69
o-Xylene
Concen: 17.861 ug/l
RT: 11.92 min Scan# 3213
Delta R.T. 0.00 min
Lab File: VN061248.D
Acq: 2 May 2020 2:43

Instrument :
MSVOA_N
ClientSampleId :
VN0501WBS02

Tot Ion:106 Resp: 36078
Ion Ratio Lower Upper
106 100
91 223.6 109.7 329.0

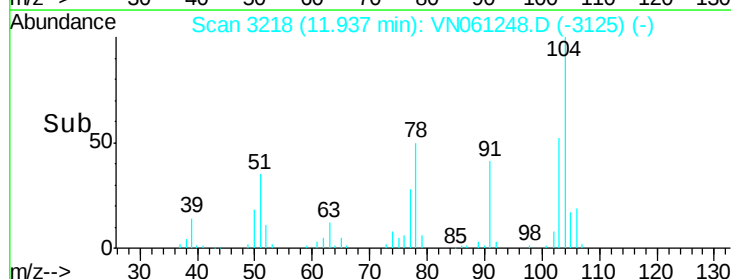
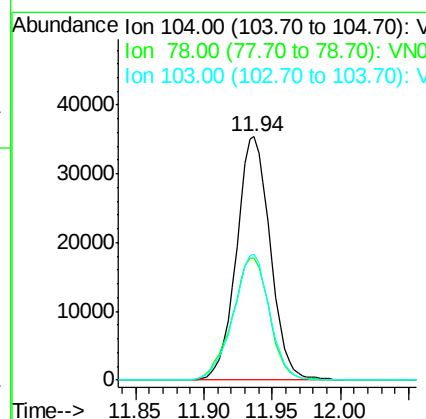
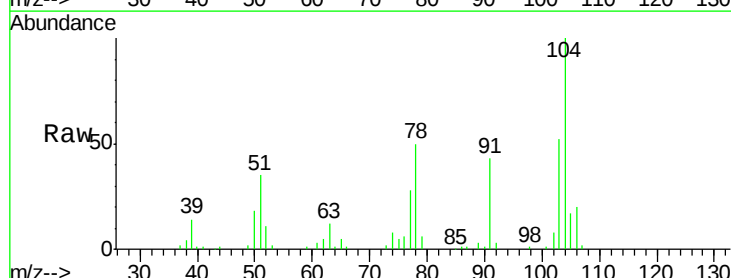
Manual Integrations
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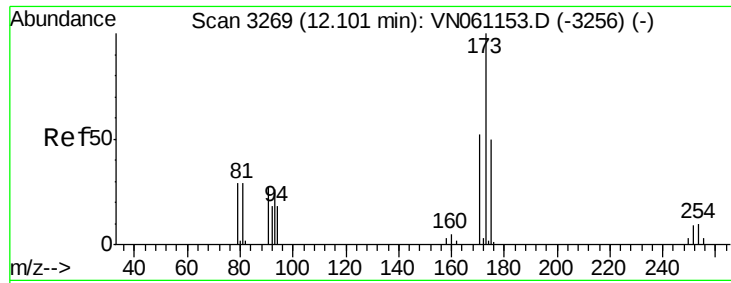
MMDadoda
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#70
Styrene
Concen: 18.008 ug/l
RT: 11.94 min Scan# 3218
Delta R.T. 0.00 min
Lab File: VN061248.D
Acq: 2 May 2020 2:43

Tgt Ion:104 Resp: 60881
Ion Ratio Lower Upper
104 100
78 55.0 42.1 63.1
103 54.8 43.3 64.9





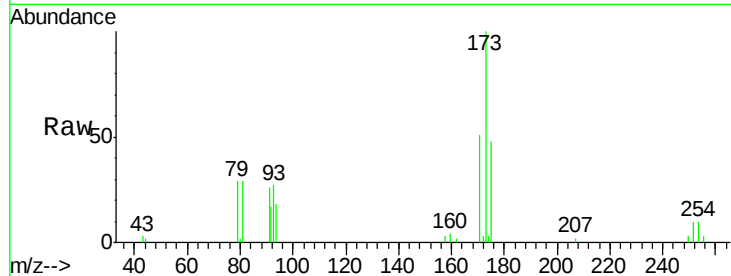
#71
Bromoform
Concen: 20.396 ug/l
RT: 12.10 min Scan# 3269
Delta R.T. 0.00 min
Lab File: VN061248.D
Acq: 2 May 2020 2:43

Instrument :
MSVOA_N
ClientSampleId :
VN0501WBS02

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.7	24.1	72.4
254	0.0	0.0	0.0

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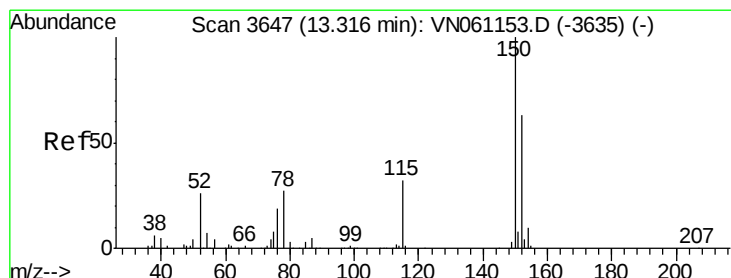
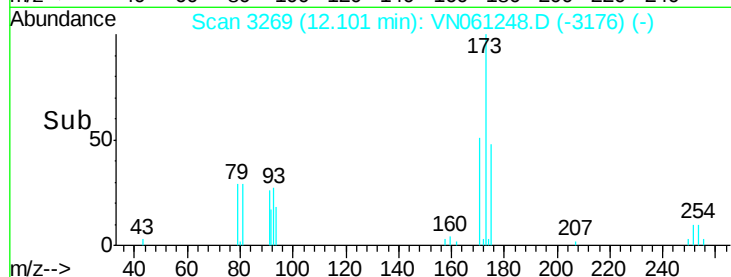
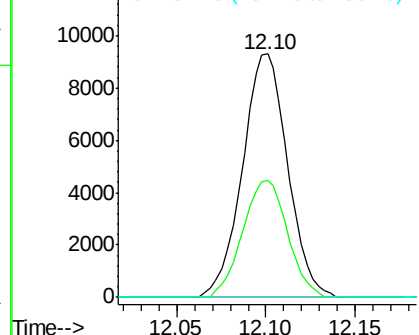


Abundance

Ion 172.70 (172.40 to 173.40): V

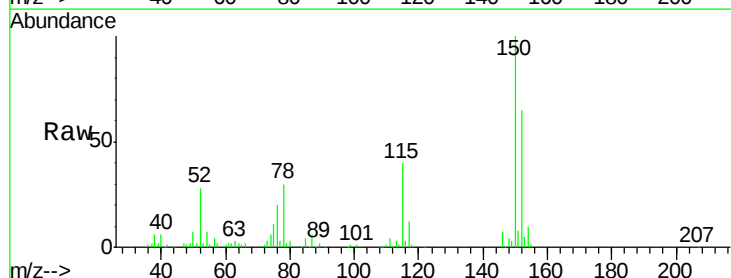
Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3647
Delta R.T. 0.00 min
Lab File: VN061248.D
Acq: 2 May 2020 2:43

Tgt Ion	Ratio	Lower	Upper
152	100		
115	61.5	31.0	93.0
150	162.6	0.0	351.8

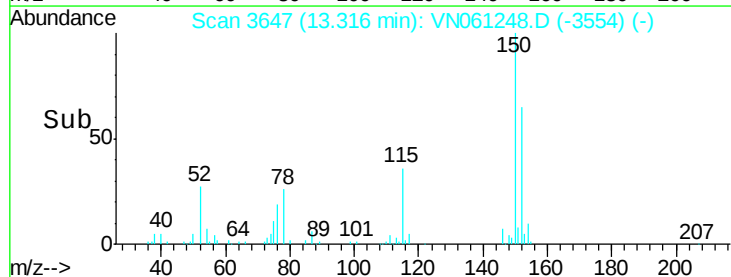
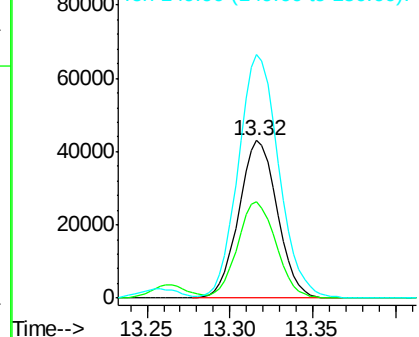


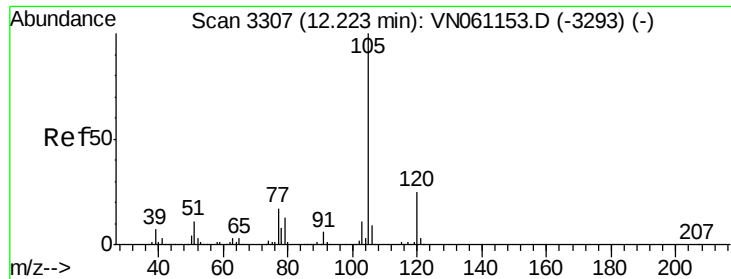
Abundance

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: 18.096 ug/l

RT: 12.22 min Scan# 3307

Delta R.T. 0.00 min

Lab File: VN061248.D

Acq: 2 May 2020 2:43

Instrument :

MSVOA_N

ClientSampleId :

VN0501WBS02

Tot Ion: 105 Resp: 92818

Ion Ratio Lower Upper

105 100

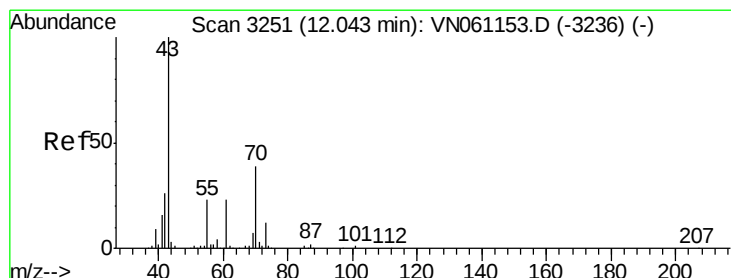
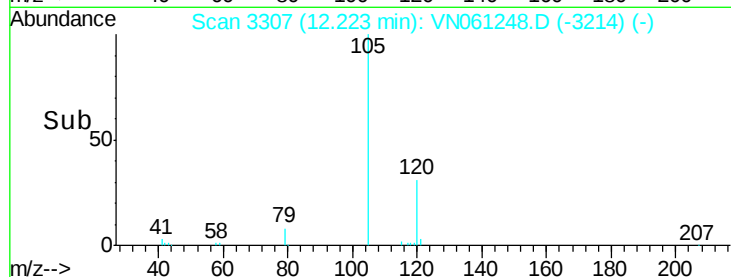
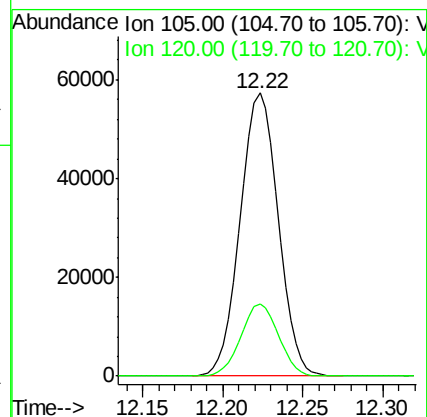
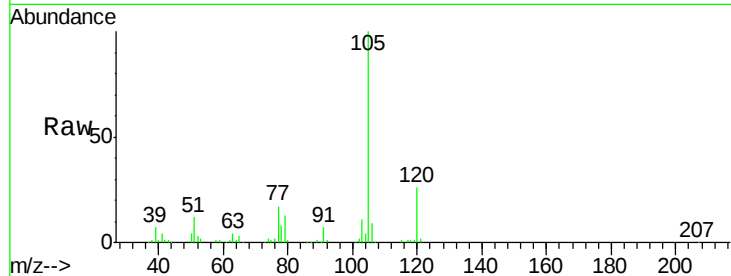
120 25.2 12.6 37.8

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#74

N-ethyl acetate

Concen: 20.674 ug/l

RT: 12.04 min Scan# 3251

Delta R.T. 0.00 min

Lab File: VN061248.D

Acq: 2 May 2020 2:43

Tgt Ion: 43 Resp: 53696

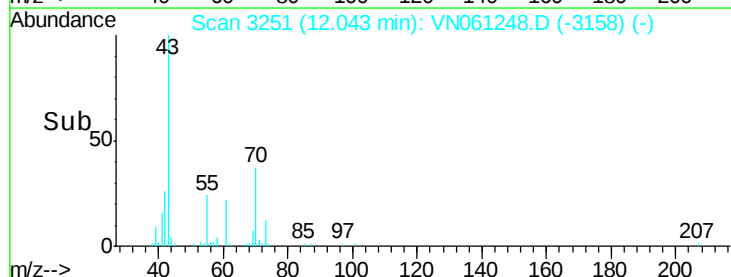
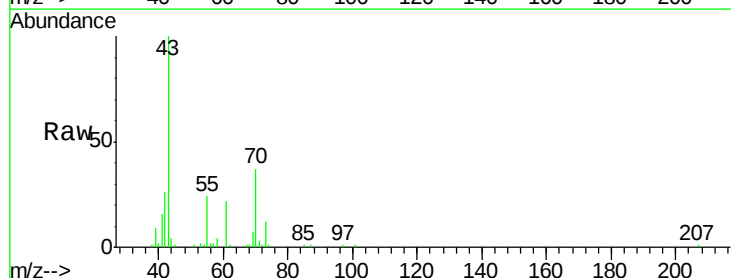
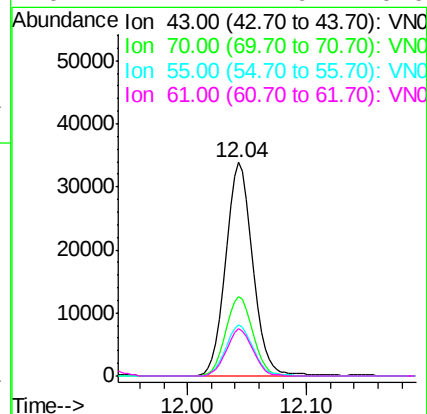
Ion Ratio Lower Upper

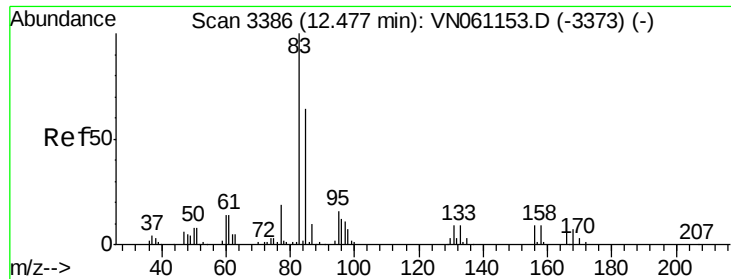
43 100

70 37.3 30.6 46.0

55 24.2 18.5 27.7

61 21.4 17.9 26.9





#75

1,1,2,2-Tetrachloroethane

Concen: 22.680 ug/l

RT: 12.48 min Scan# 3386

Delta R.T. 0.00 min

Lab File: VN061248.D

Acq: 2 May 2020 2:43

Instrument :

MSVOA_N

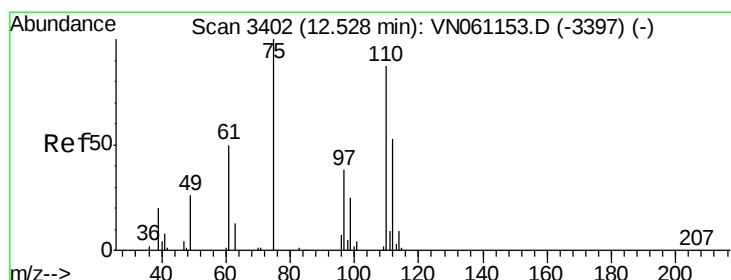
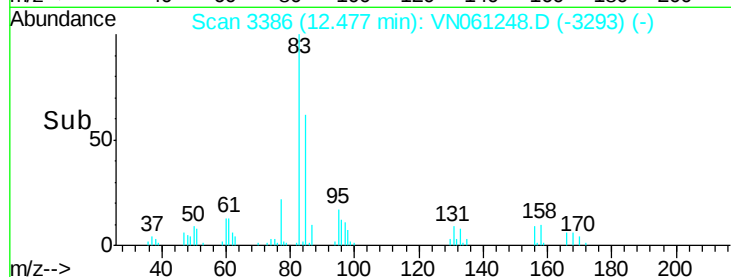
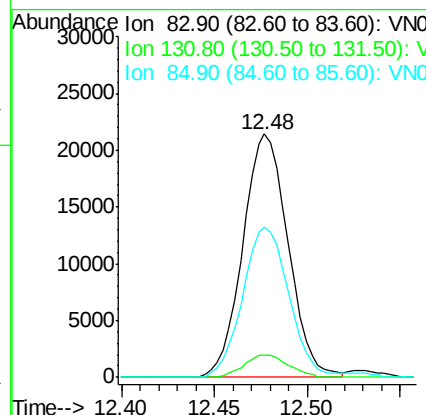
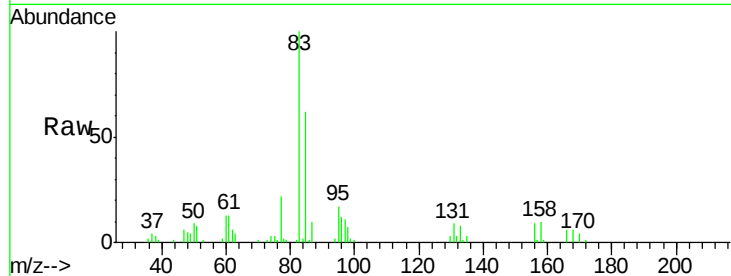
ClientSampleId :

VN0501WBS02

Tot Ion:	83	Resp:	36274
Ion Ratio	Lower	Upper	
83	100		
131	9.0	4.8	14.3
85	62.7	32.0	96.0

Manual Integrations
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5/4/2020 2:58:09 PM



#76

1,2,3-Trichloropropane

Concen: 22.967 ug/l m

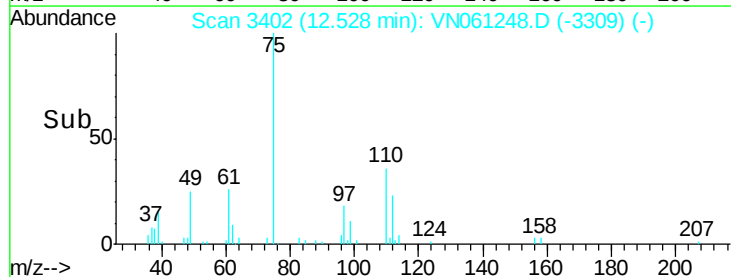
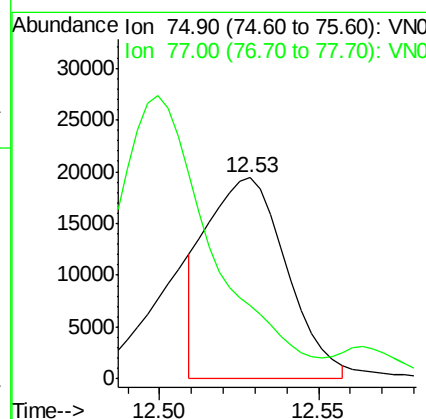
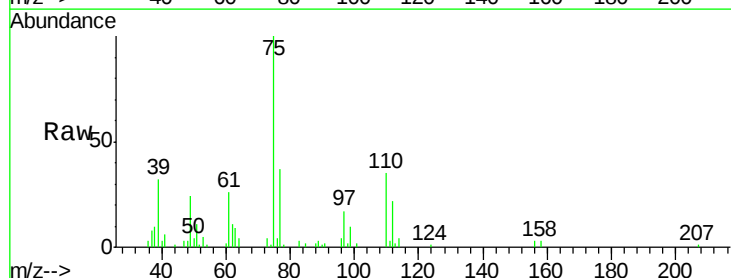
RT: 12.53 min Scan# 3402

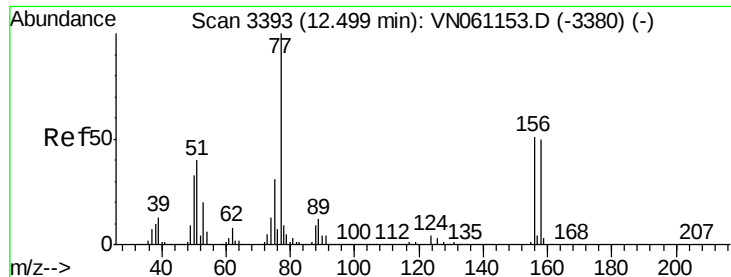
Delta R.T. 0.00 min

Lab File: VN061248.D

Acq: 2 May 2020 2:43

Tgt Ion:	75	Resp:	33783
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





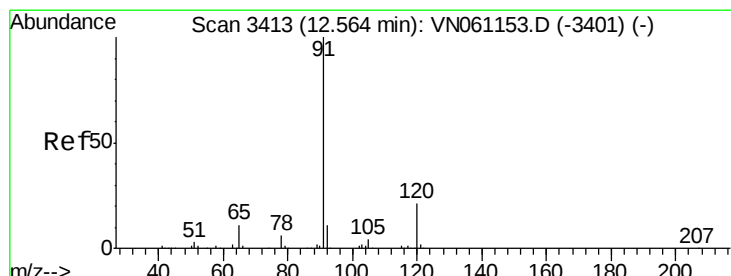
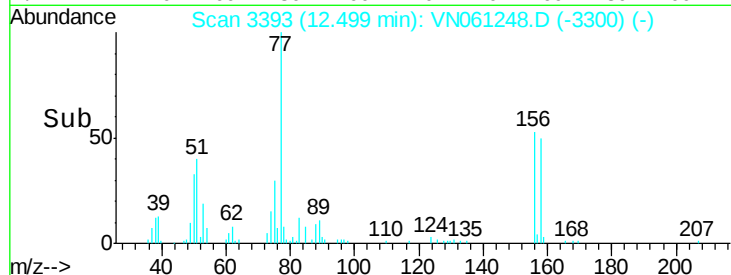
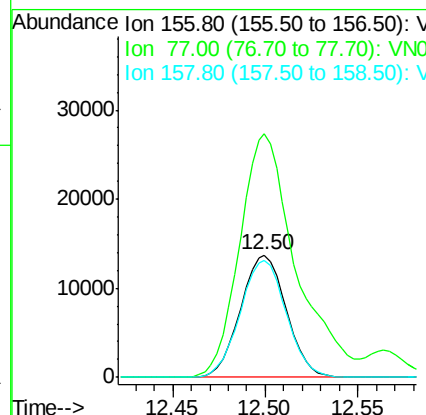
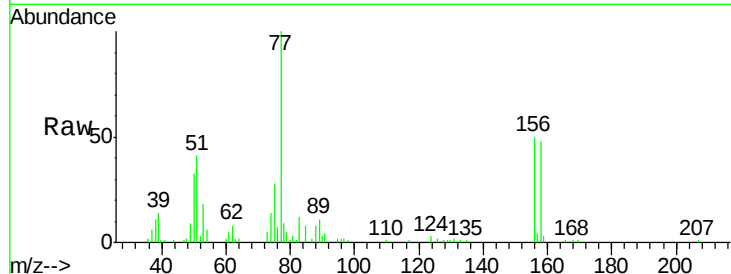
#77
Bromobenzene
Concen: 19.894 ug/l
RT: 12.50 min Scan# 3393
Delta R.T. 0.00 min
Lab File: VN061248.D
Acq: 2 May 2020 2:43

Instrument :
MSVOA_N
ClientSampleId :
VN0501WBS02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100				
77	246.4		117.4	352.2	
158	96.6		48.4	145.0	

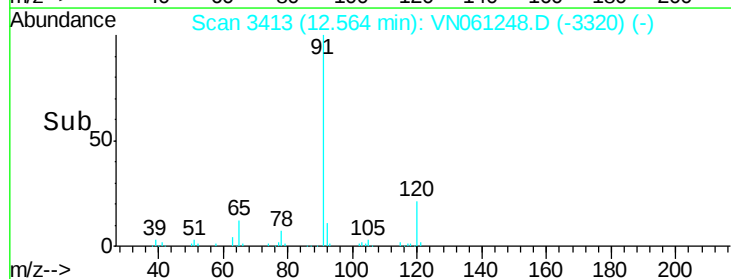
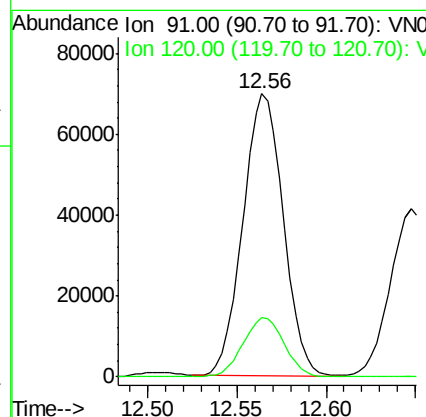
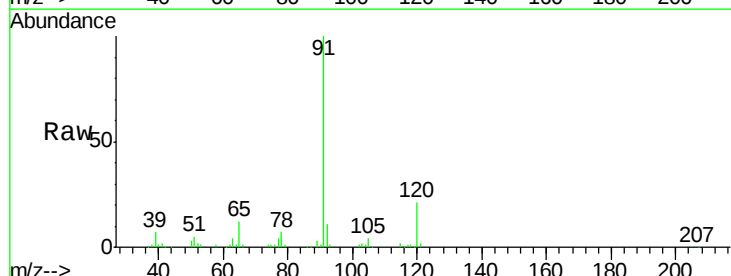
Manual Integrations
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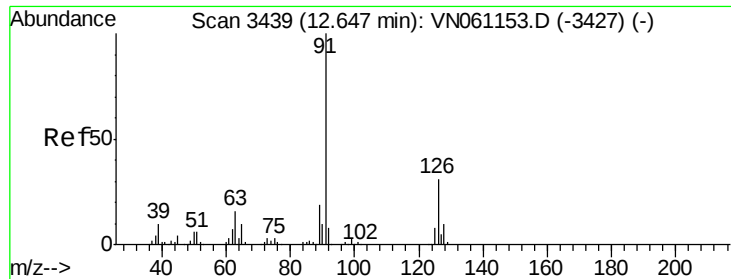
MMDadoda
5/4/2020 2:58:09 PM



#78
n-propylbenzene
Concen: 18.058 ug/l
RT: 12.56 min Scan# 3413
Delta R.T. 0.00 min
Lab File: VN061248.D
Acq: 2 May 2020 2:43

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100				
120	21.3		10.8	32.3	





#79

2-Chlorotoluene

Concen: 19.189 ug/l

RT: 12.65 min Scan# 3439

Delta R.T. 0.00 min

Lab File: VN061248.D

Acq: 2 May 2020 2:43

Instrument :

MSVOA_N

ClientSampleId :

VN0501WBS02

Tot Ion: 91 Resp: 68619

Ion Ratio Lower Upper

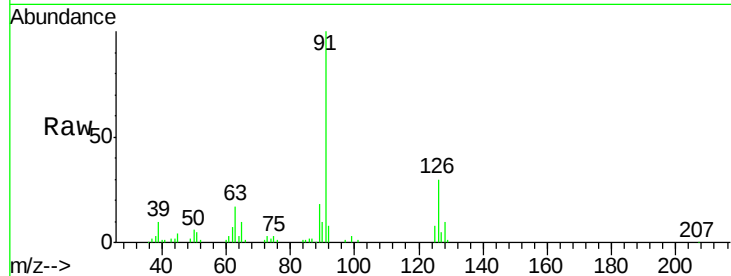
91 100

126 30.6 15.9 47.7

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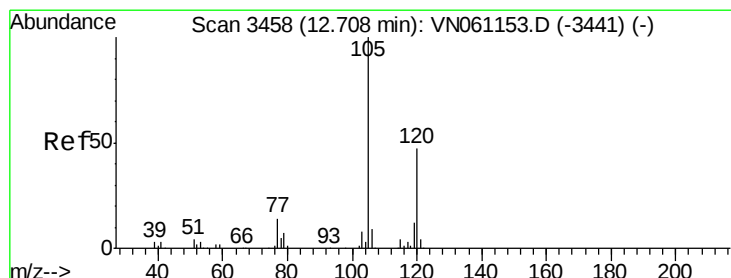
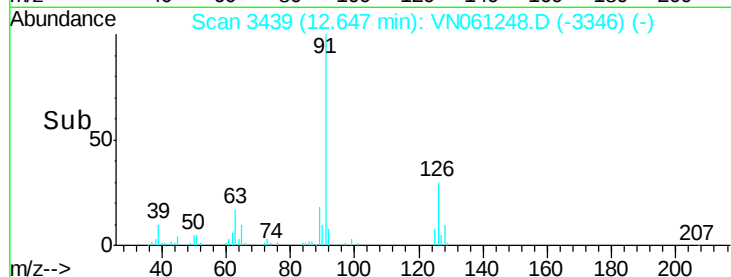
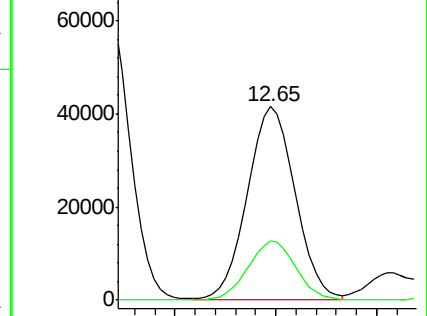
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Abundance Ion 91.00 (90.70 to 91.70): VN061153.D (-3427) (-)

Ion 125.90 (125.60 to 126.60): VN061153.D (-3427) (-)



#80

1,3,5-Trimethylbenzene

Concen: 18.460 ug/l

RT: 12.71 min Scan# 3457

Delta R.T. -0.00 min

Lab File: VN061248.D

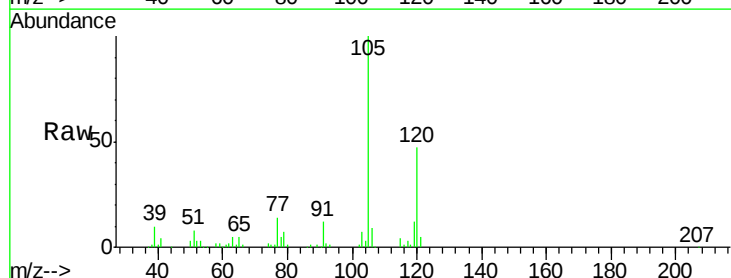
Acq: 2 May 2020 2:43

Tgt Ion: 105 Resp: 78367

Ion Ratio Lower Upper

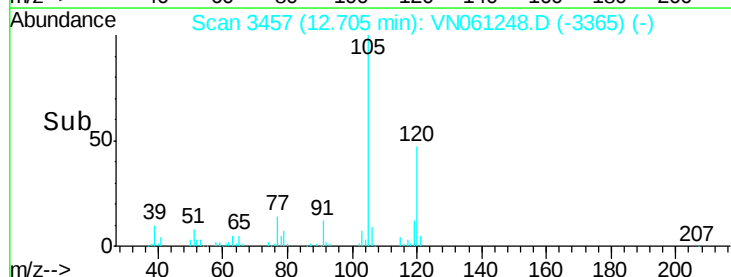
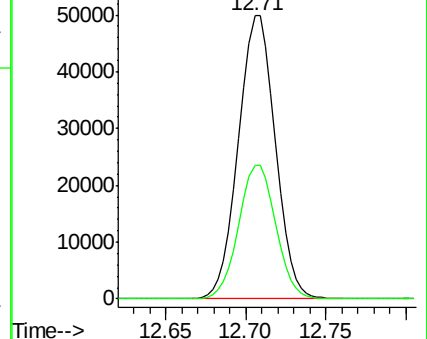
105 100

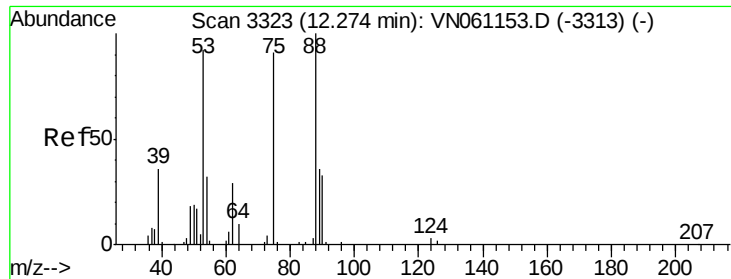
120 47.3 23.9 71.7



Abundance Ion 105.00 (104.70 to 105.70): VN061153.D (-3441) (-)

Ion 120.00 (119.70 to 120.70): VN061153.D (-3441) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 18.790 ug/l

RT: 12.27 min Scan# 3323

Delta R.T. 0.00 min

Lab File: VN061248.D

Acq: 2 May 2020 2:43

Instrument :

MSVOA_N

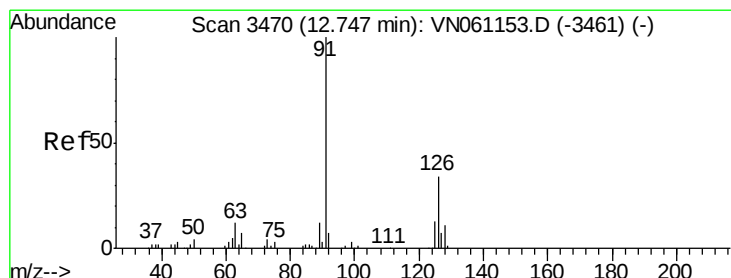
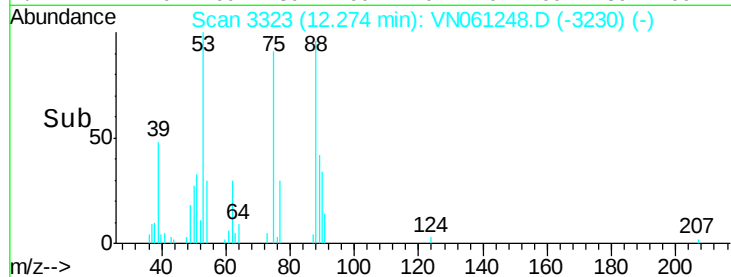
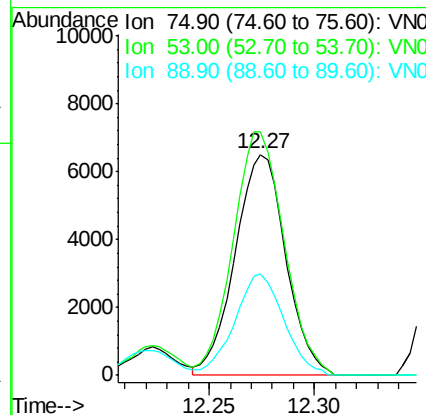
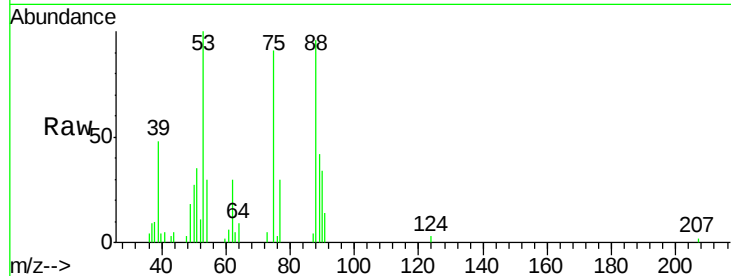
ClientSampleId :

VN0501WBS02

Tot Ion:	75	Resp:	10884
Ion	Ratio	Lower	Upper
75	100		
53	111.0	84.1	126.1
89	44.6	35.2	52.8

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#82

4-Chlorotoluene

Concen: 19.228 ug/l

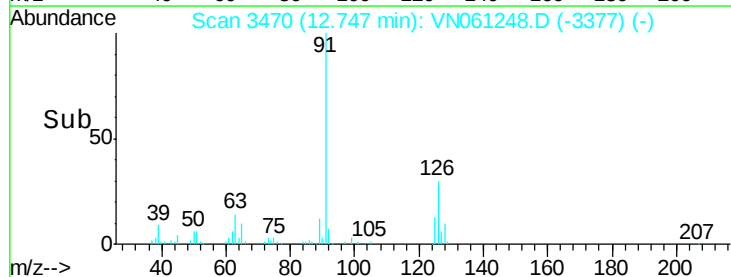
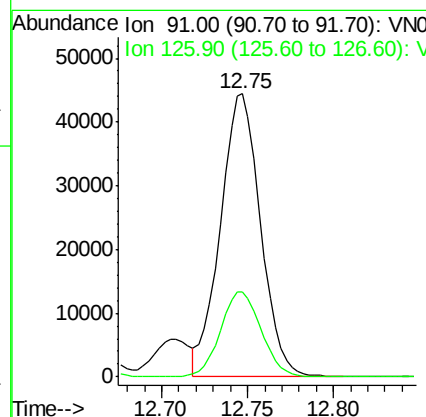
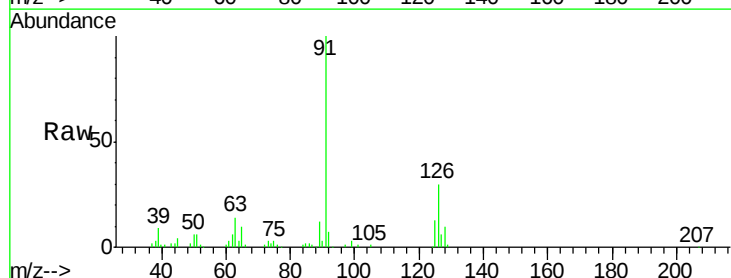
RT: 12.75 min Scan# 3470

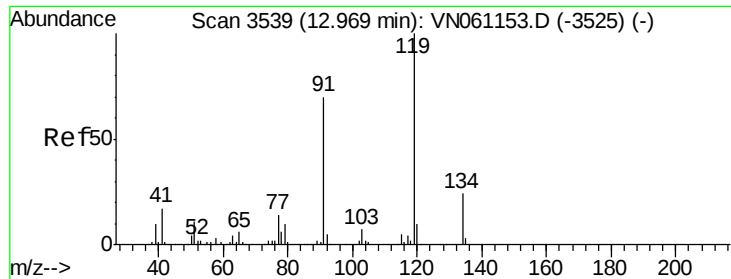
Delta R.T. 0.00 min

Lab File: VN061248.D

Acq: 2 May 2020 2:43

Tgt Ion:	91	Resp:	72469
Ion	Ratio	Lower	Upper
91	100		
126	30.4	15.7	47.1





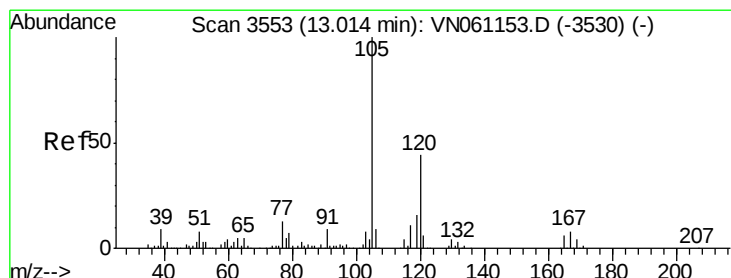
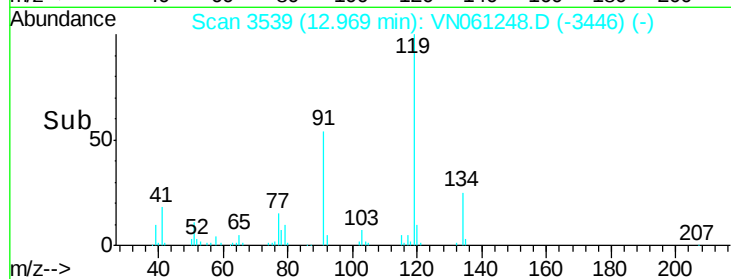
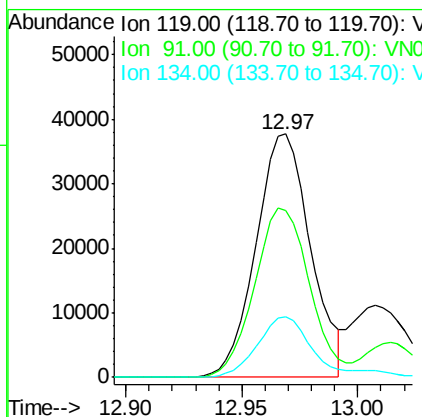
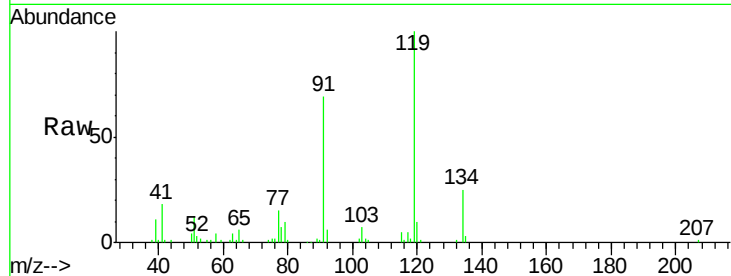
#83
tert-Butylbenzene
Concen: 17.265 ug/l
RT: 12.97 min Scan# 3539
Delta R.T. 0.00 min
Lab File: VN061248.D
Acq: 2 May 2020 2:43

Instrument :
MSVOA_N
ClientSampleId :
VN0501WBS02

Tot Ion	Ratio	Lower	Upper
119	100		
91	70.0	34.8	104.4
134	26.3	12.9	38.7

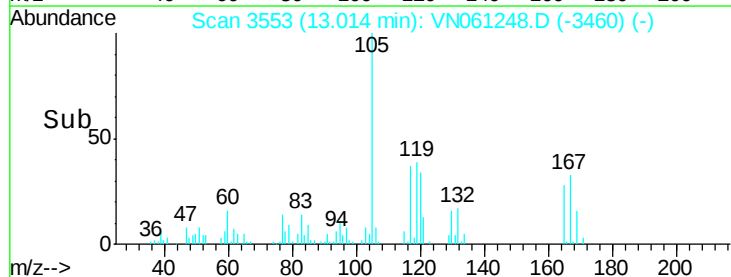
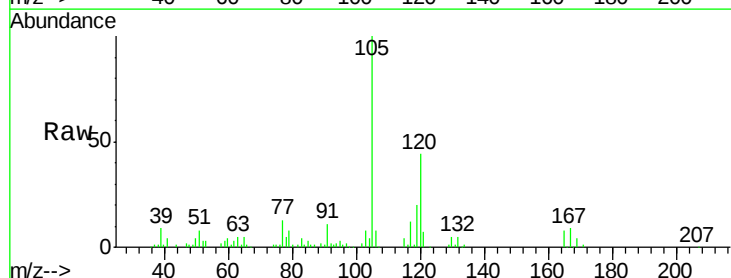
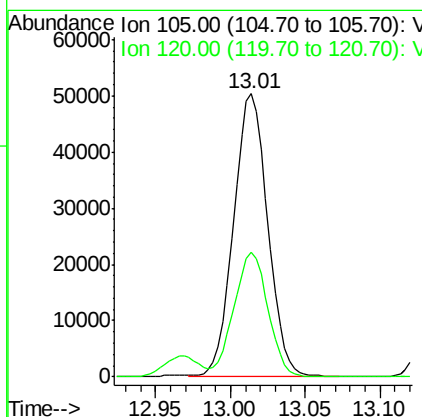
Manual Integrations
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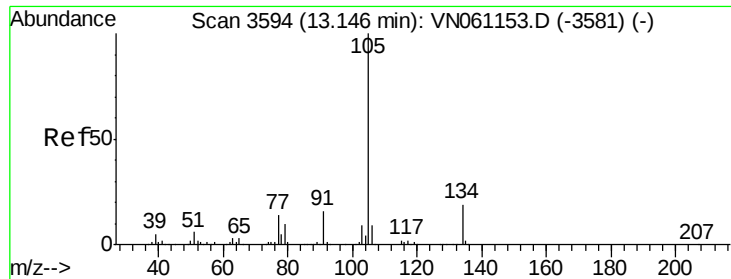
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 18.350 ug/l
RT: 13.01 min Scan# 3553
Delta R.T. 0.00 min
Lab File: VN061248.D
Acq: 2 May 2020 2:43

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.9	22.2	66.6





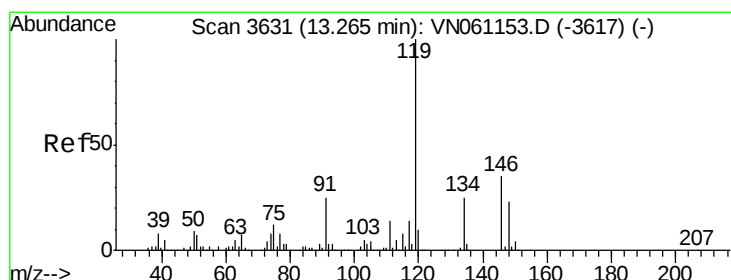
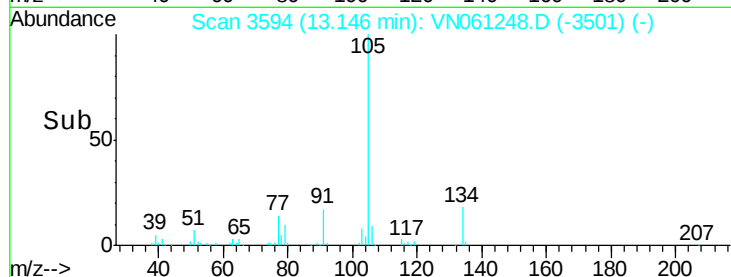
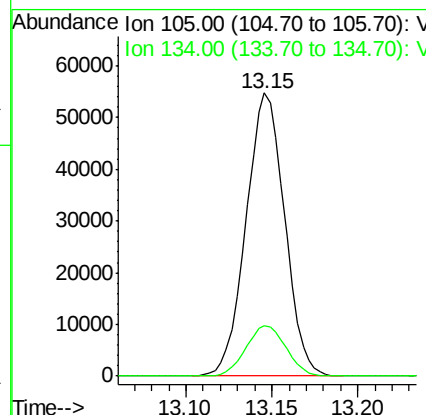
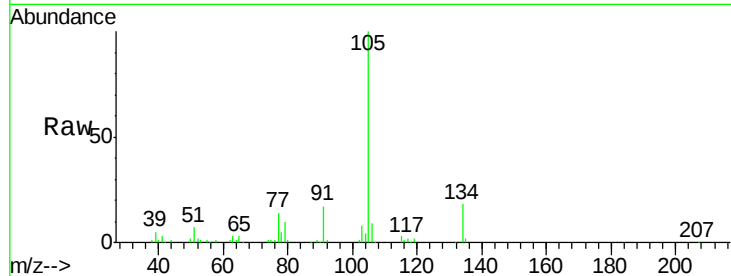
#85
 sec-Butylbenzene
 Concen: 17.461 ug/l
 RT: 13.15 min Scan# 3594
 Delta R.T. 0.00 min
 Lab File: VN061248.D
 Acq: 2 May 2020 2:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0501WBS02

Tot Ion	Ratio	Lower	Upper
105	100		
134	18.5	9.6	28.8

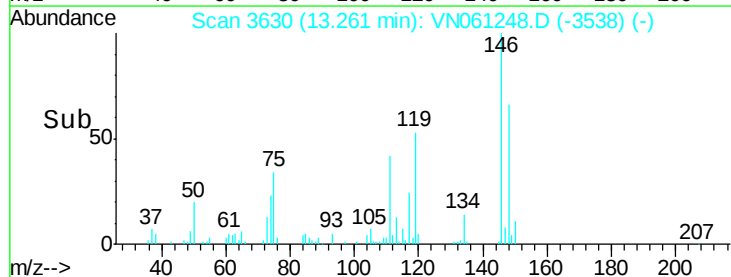
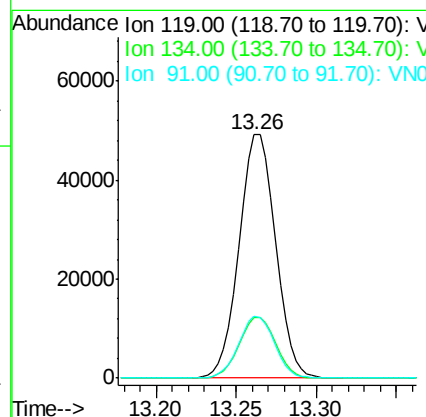
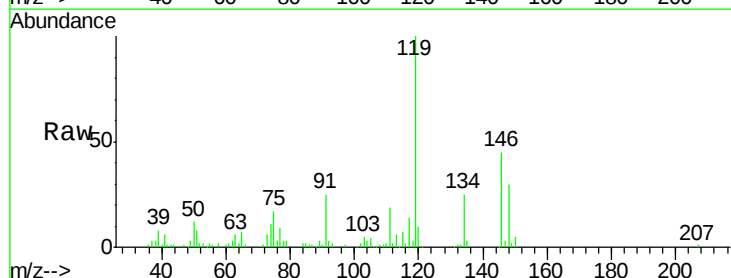
Manual Integrations
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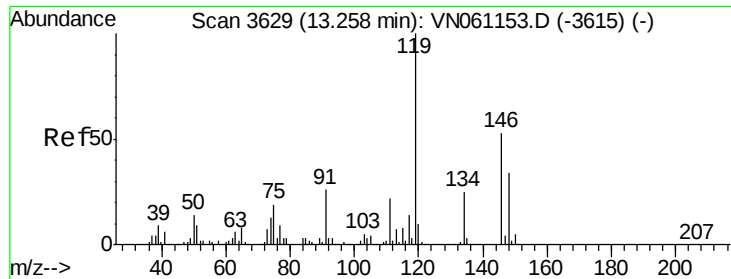
MMDadoda
 5/4/2020 2:58:09 PM



#86
 p-Isopropyltoluene
 Concen: 17.350 ug/l
 RT: 13.26 min Scan# 3630
 Delta R.T. -0.00 min
 Lab File: VN061248.D
 Acq: 2 May 2020 2:43

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.2	12.6	37.6
91	25.0	12.7	38.0





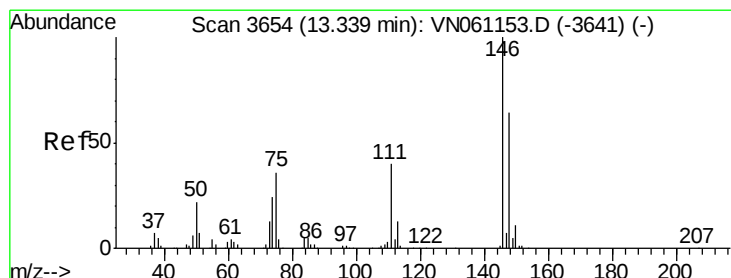
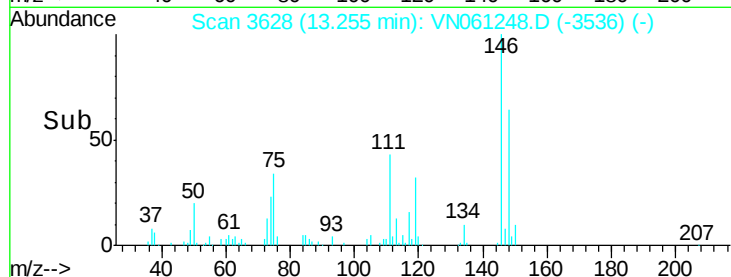
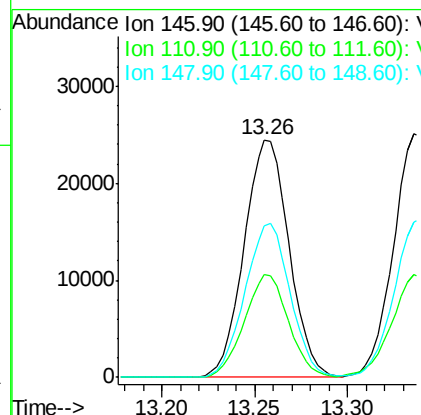
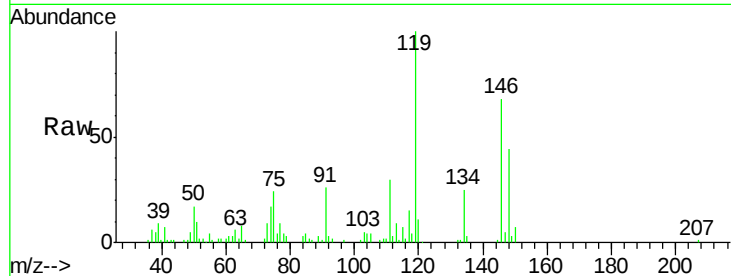
#87
 1,3-Dichlorobenzene
 Concen: 18.932 ug/l
 RT: 13.26 min Scan# 3628
 Delta R.T. -0.00 min
 Lab File: VN061248.D
 Acq: 2 May 2020 2:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0501WBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.4	20.7	62.1
148	65.2	31.8	95.3

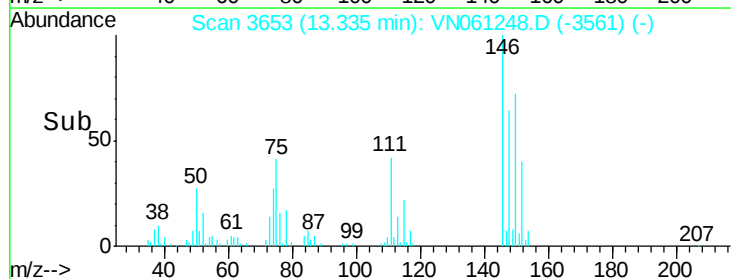
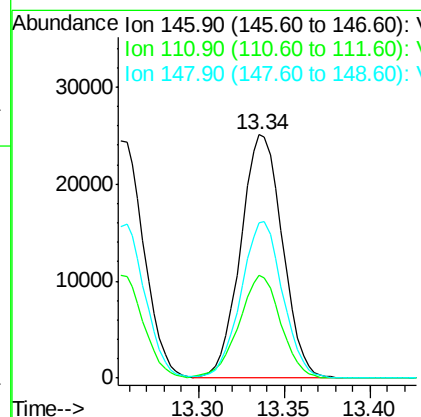
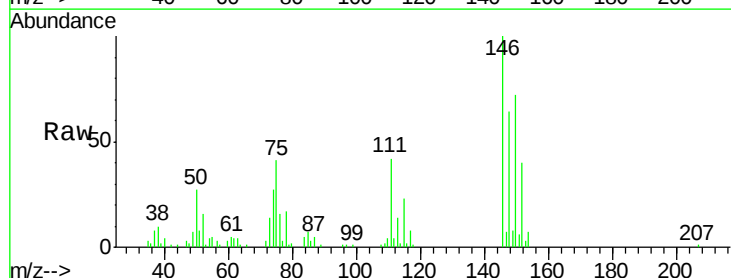
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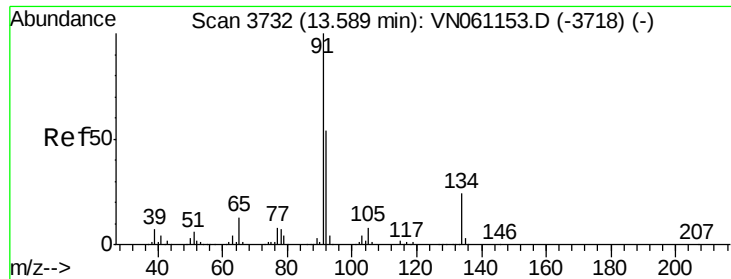
MMDadoda
 5/4/2020 2:58:09 PM



#88
 1,4-Dichlorobenzene
 Concen: 19.015 ug/l
 RT: 13.34 min Scan# 3653
 Delta R.T. -0.00 min
 Lab File: VN061248.D
 Acq: 2 May 2020 2:43

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.3	20.4	61.3
148	64.2	31.9	95.7





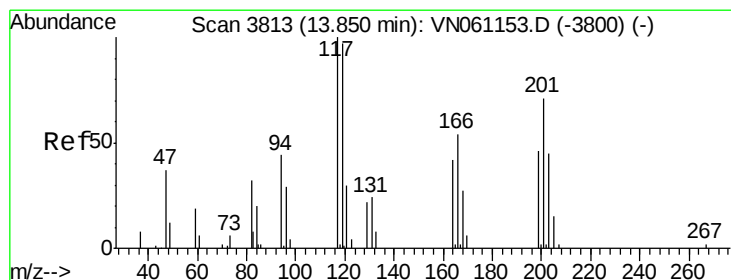
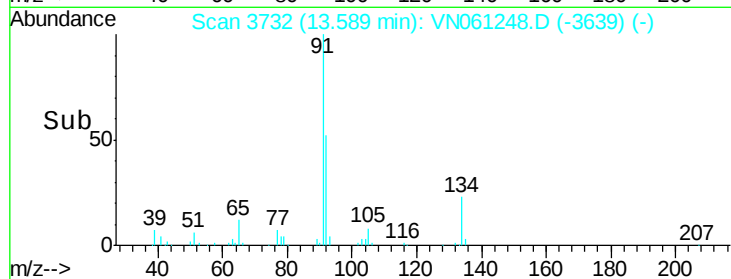
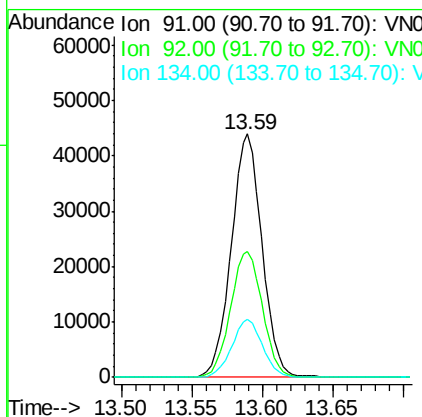
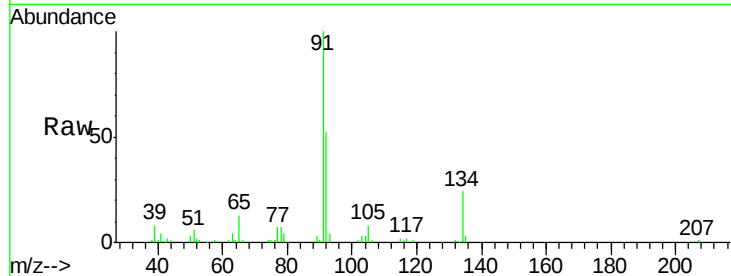
#89
n-Butylbenzene
Concen: 16.649 ug/l
RT: 13.59 min Scan# 3732
Delta R.T. 0.00 min
Lab File: VN061248.D
Acq: 2 May 2020 2:43

Instrument :
MSVOA_N
ClientSampleId :
VN0501WBS02

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.3	26.8	80.3
134	23.6	11.9	35.5

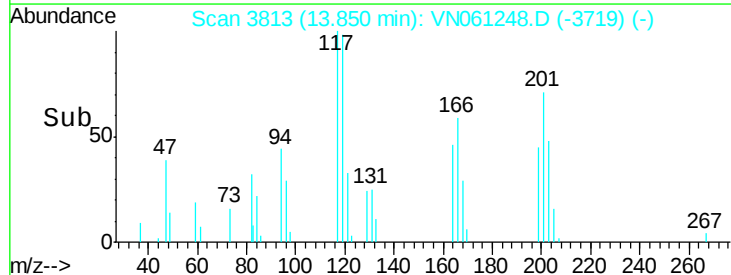
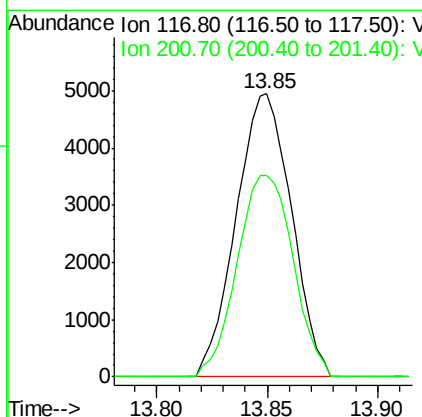
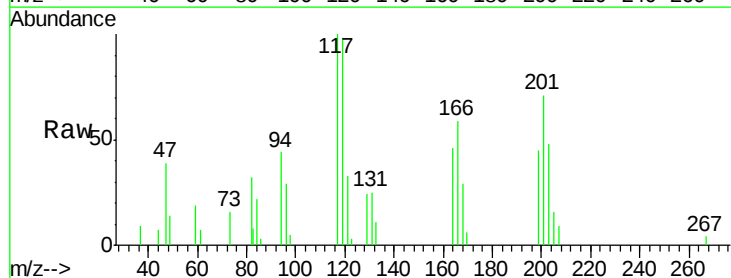
Manual Integrations
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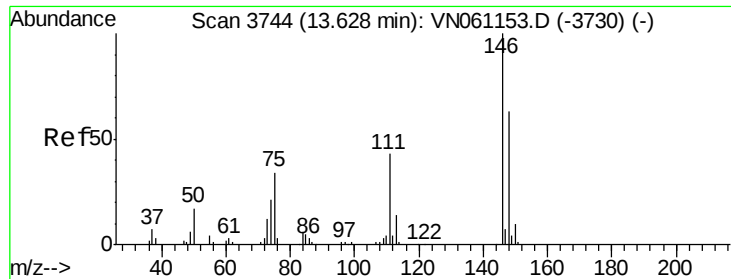
MMDadoda
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#90
Hexachloroethane
Concen: 23.550 ug/l
RT: 13.85 min Scan# 3813
Delta R.T. 0.00 min
Lab File: VN061248.D
Acq: 2 May 2020 2:43

Tgt Ion	Ratio	Lower	Upper
117	100		
201	71.9	35.5	106.7





#91

1,2-Dichlorobenzene

Concen: 19.863 ug/l

RT: 13.63 min Scan# 3744

Delta R.T. 0.00 min

Lab File: VN061248.D

Acq: 2 May 2020 2:43

Instrument :

MSVOA_N

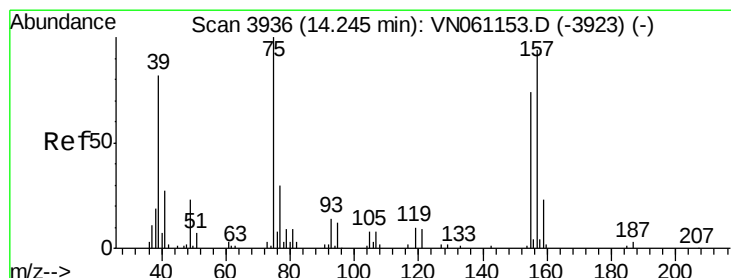
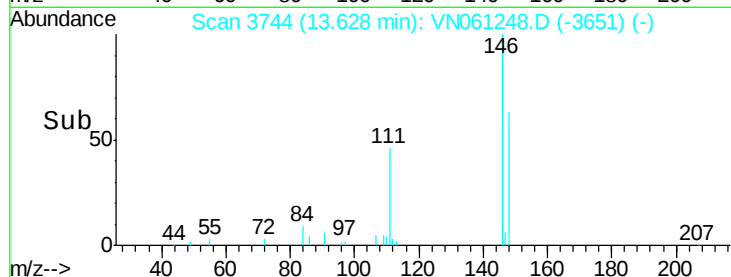
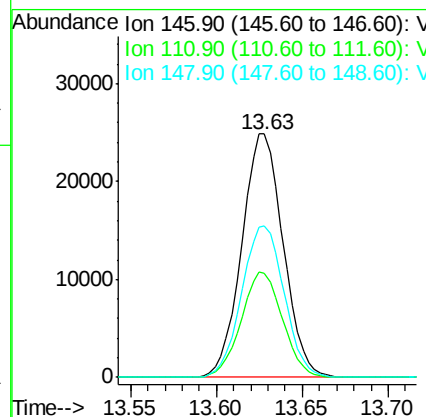
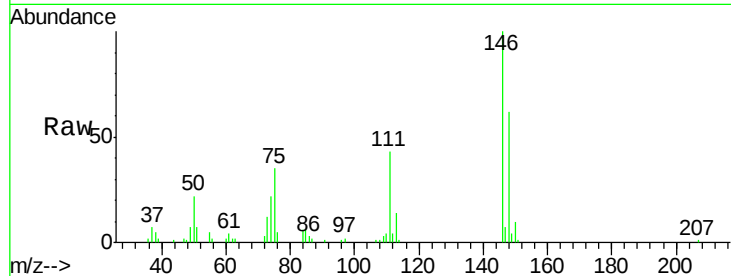
ClientSampleId :

VN0501WBS02

Tot Ion:	146	Resp:	41513
Ion Ratio	Lower	Upper	
146	100		
111	43.2	21.8	65.3
148	63.9	31.6	95.0

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 19.962 ug/l

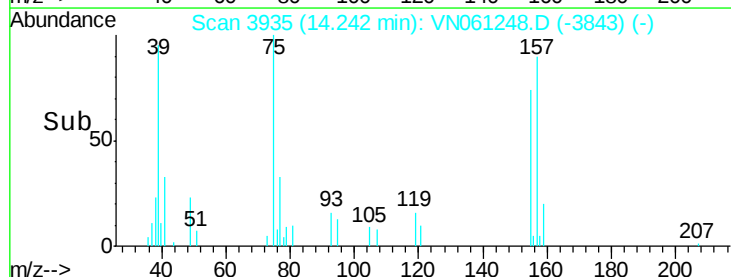
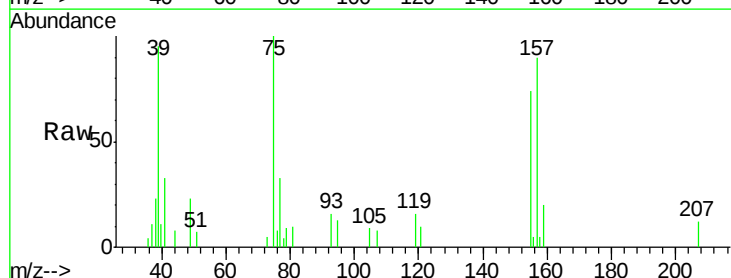
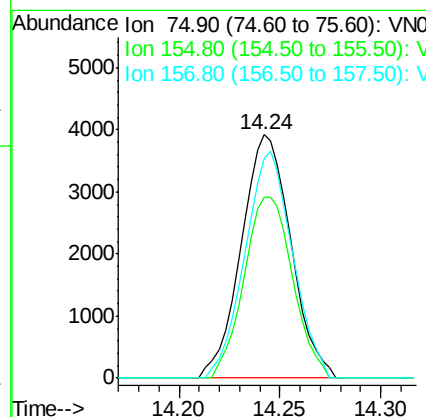
RT: 14.24 min Scan# 3935

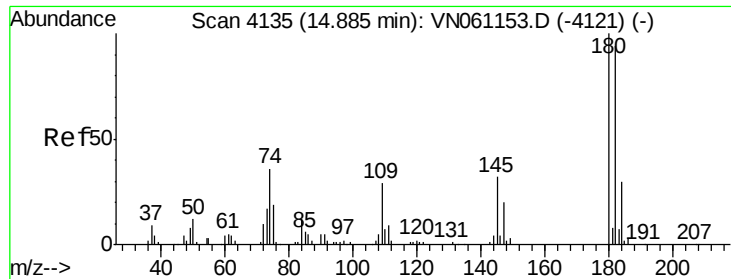
Delta R.T. -0.00 min

Lab File: VN061248.D

Acq: 2 May 2020 2:43

Tgt Ion:	75	Resp:	6743
Ion Ratio	Lower	Upper	
75	100		
155	72.8	36.5	109.7
157	89.3	46.6	139.7





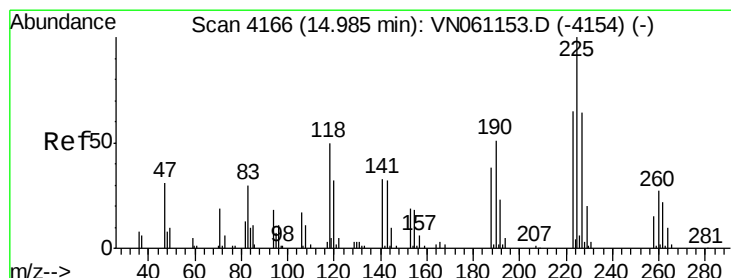
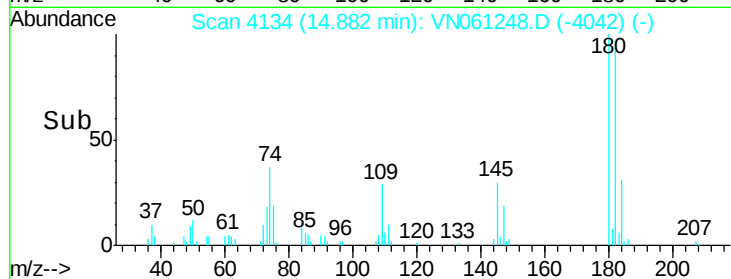
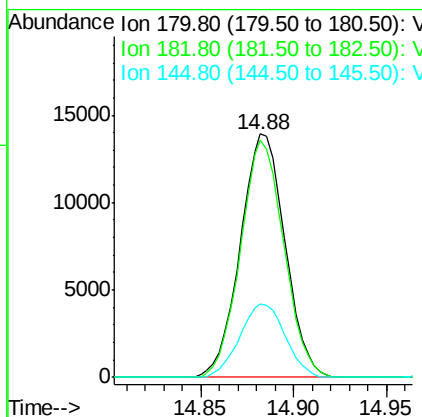
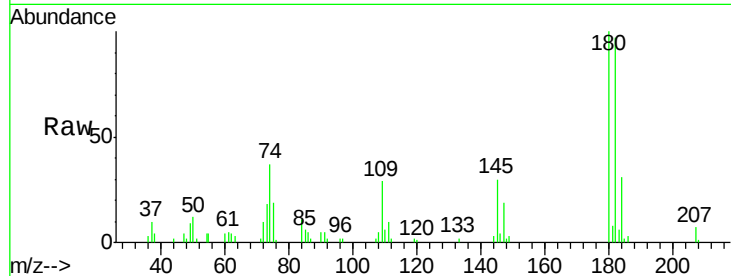
#93
 1,2,4-Trichlorobenzene
 Concen: 18.245 ug/l
 RT: 14.88 min Scan# 4134
 Delta R.T. -0.00 min
 Lab File: VN061248.D
 Acq: 2 May 2020 2:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0501WBS02

Tot Ion	Ratio	Resp	Lower	Upper
180	100	23221		
182	94.8	47.3	141.9	
145	30.4	16.0	47.9	

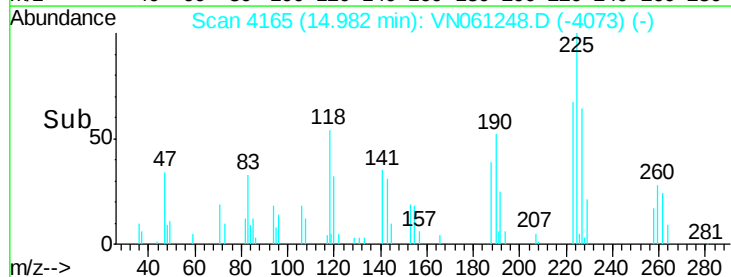
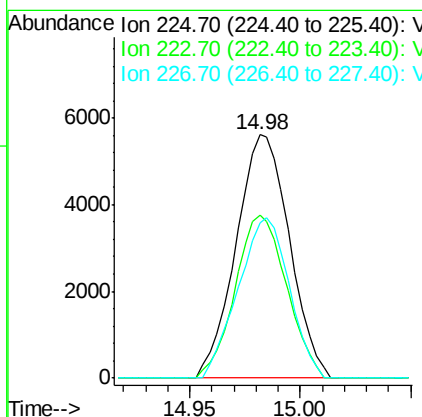
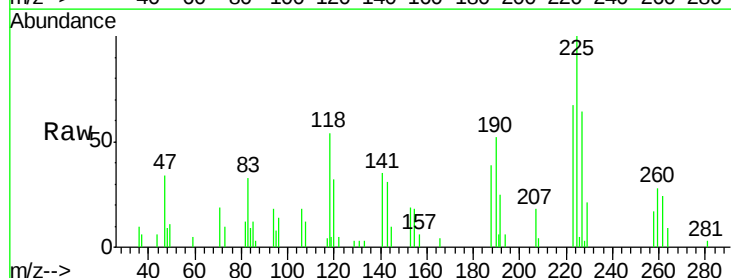
Manual Integrations
 APPROVED

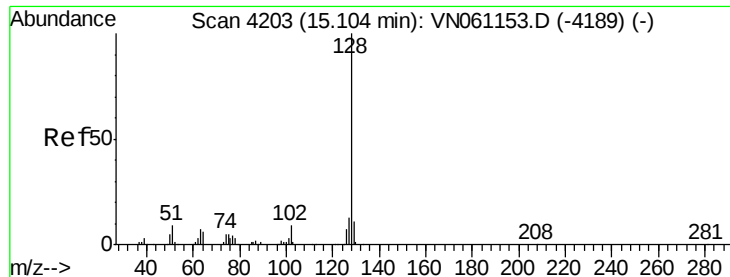
MMDadoda
 5/4/2020 2:58:09 PM



#94
 Hexachlorobutadiene
 Concen: 17.738 ug/l
 RT: 14.98 min Scan# 4165
 Delta R.T. -0.00 min
 Lab File: VN061248.D
 Acq: 2 May 2020 2:43

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	9431		
223	64.5	32.4	97.0	
227	63.2	32.4	97.0	





#95

Naphthalene

Concen: 18.189 ug/l

RT: 15.10 min Scan# 4203

Delta R.T. 0.00 min

Lab File: VN061248.D

Acq: 2 May 2020 2:43

Instrument :

MSVOA_N

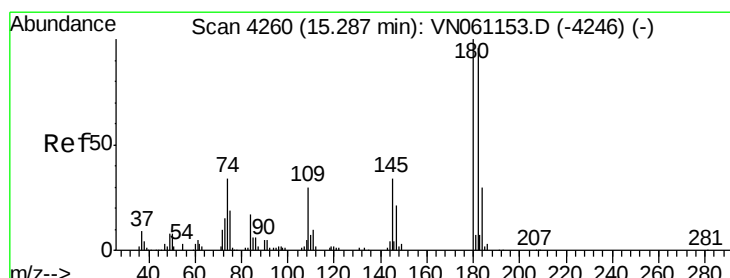
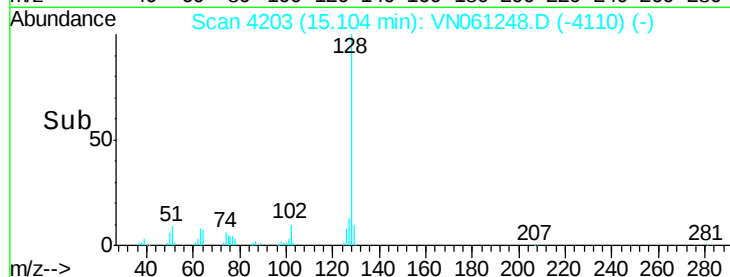
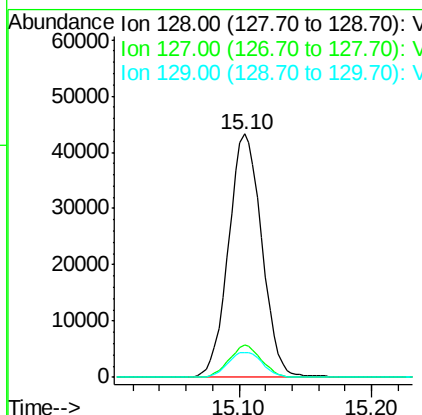
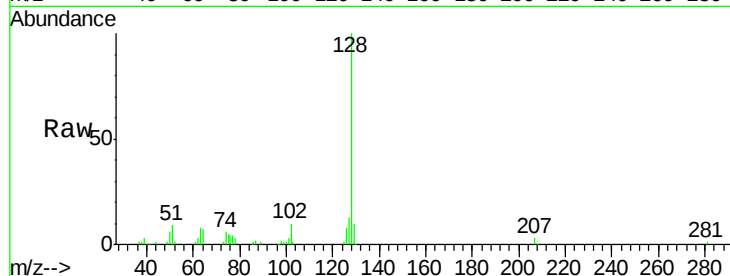
ClientSampleId :

VN0501WBS02

Tot Ion:	128	Resp:	75392
Ion Ratio	Lower	Upper	
128	100		
127	12.7	10.4	15.6
129	10.7	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
5/4/2020 2:58:09 PM



#96

1,2,3-Trichlorobenzene

Concen: 18.875 ug/l

RT: 15.28 min Scan# 4259

Delta R.T. -0.00 min

Lab File: VN061248.D

Acq: 2 May 2020 2:43

Tgt Ion:	180	Resp:	23717
Ion Ratio	Lower	Upper	
180	100		
182	95.1	47.5	142.5
145	33.7	16.9	50.7

