

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN050120\
 Data File : VN061224.D
 Acq On : 1 May 2020 12:48
 Operator : JC/MD
 Sample : VN0501MBS01
 Misc : 5.00µL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0501MBS01

Manual Integrations
 APPROVED

MMDadoda
 5/4/2020 2:57:59 PM

Quant Time: May 04 01:41:59 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	119689	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	203286	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	186489	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	87253	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.98	65	92934	49.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.14%	
35) Dibromofluoromethane	7.54	113	59894	49.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.66%	
50) Toluene-d8	10.06	98	250287	51.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.16%	
62) 4-Bromofluorobenzene	12.38	95	91815	49.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.58%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	22154	17.455	ug/l	99
3) Chloromethane	2.03	50	31519	20.505	ug/l	99
4) Vinyl Chloride	2.16	62	30101	17.241	ug/l	98
5) Bromomethane	2.54	94	12956	15.012	ug/l	96
6) Chloroethane	2.67	64	17995	16.261	ug/l	97
7) Trichlorofluoromethane	2.98	101	38285	19.436	ug/l	100
8) Diethyl Ether	3.37	74	17400	21.178	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	3.71	101	24450	19.267	ug/l	97
10) Methyl Iodide	3.91	142	28861	17.697	ug/l	94
11) Tert butyl alcohol	4.72	59	24007	94.629	ug/l	97
12) 1,1-Dichloroethene	3.70	96	23588	18.679	ug/l	97
13) Acrolein	3.56	56	13046	77.166	ug/l	100
14) Allyl chloride	4.27	41	53230	22.733	ug/l	91
15) Acrylonitrile	4.93	53	79364	101.908	ug/l	99
16) Acetone	3.77	43	70382	92.614	ug/l	97
17) Carbon Disulfide	4.01	76	61776	17.709	ug/l	99
18) Methyl Acetate	4.27	43	43944	18.811	ug/l	96
19) Methyl tert-butyl Ether	4.99	73	90653	18.787	ug/l	97
20) Methylene Chloride	4.50	84	28289	19.156	ug/l	97
21) trans-1,2-Dichloroethene	4.99	96	25317	18.411	ug/l	98
22) Diisopropyl ether	5.90	45	110916	20.428	ug/l	97
23) Vinyl Acetate	5.84	43	427952	97.887	ug/l	100
24) 1,1-Dichloroethane	5.79	63	54405	19.177	ug/l	99
25) 2-Butanone	6.78	43	105419	94.069	ug/l	99
26) 2,2-Dichloropropane	6.77	77	43717	18.295	ug/l	99
27) cis-1,2-Dichloroethene	6.78	96	29989	18.584	ug/l	99
28) Bromochloromethane	7.15	49	29476	21.921	ug/l	93
29) Tetrahydrofuran	7.16	42	73773	97.726	ug/l	96
30) Chloroform	7.33	83	51008	17.742	ug/l	97
31) Cyclohexane	7.61	56	48906	17.751	ug/l	97
32) 1,1,1-Trichloroethane	7.53	97	42527	16.987	ug/l	99
36) 1,1-Dichloropropene	7.75	75	37791	18.571	ug/l	99
37) Ethyl Acetate	6.88	43	46321	19.416	ug/l	99
38) Carbon Tetrachloride	7.73	117	30422	17.922	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.04	83	40702	17.835	ug/l	95
40) Benzene	8.00	78	113801	18.771	ug/l	100
41) Methacrylonitrile	7.13	41	19447m	19.633	ug/l	
42) 1,2-Dichloroethane	8.08	62	42828	18.647	ug/l	100
43) Isopropyl Acetate	8.12	43	74738	18.877	ug/l	99
44) Trichloroethene	8.80	130	28283	17.257	ug/l	97
45) 1,2-Dichloropropane	9.08	63	31879	19.682	ug/l	97
46) Dibromomethane	9.17	93	19366	19.310	ug/l	97
47) Bromodichloromethane	9.37	83	39008	18.122	ug/l	97
48) Methyl methacrylate	9.17	41	34148	19.113	ug/l	93
49) 1,4-Dioxane	9.17	88	8016	395.254	ug/l	98
51) 4-Methyl-2-Pentanone	9.95	43	223948	96.094	ug/l	100
52) Toluene	10.12	92	68115	18.653	ug/l	100
53) t-1,3-Dichloropropene	10.35	75	44531	18.360	ug/l	98
54) cis-1,3-Dichloropropene	9.81	75	47653	18.584	ug/l	97
55) 1,1,2-Trichloroethane	10.53	97	26853	18.436	ug/l	96
56) Ethyl methacrylate	10.40	69	41255	18.094	ug/l	96
57) 1,3-Dichloropropane	10.68	76	49808	19.454	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.66	63	115590	98.039	ug/l	98
59) 2-Hexanone	10.72	43	157341	92.799	ug/l	99
60) Dibromochloromethane	10.87	129	27296	17.893	ug/l	100
61) 1,2-Dibromoethane	10.98	107	26414	18.093	ug/l	99
64) Tetrachloroethene	10.60	164	28355	17.555	ug/l	99
65) Chlorobenzene	11.41	112	68242	18.447	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.48	131	24482	18.491	ug/l	98
67) Ethyl Benzene	11.48	91	128208	18.514	ug/l	100
68) m/p-Xylenes	11.60	106	93867	37.032	ug/l	98
69) o-Xylene	11.92	106	44024	18.081	ug/l	98
70) Styrene	11.94	104	73910	18.137	ug/l	99
71) Bromoform	12.10	173	17921	18.417	ug/l #	98
73) Isopropylbenzene	12.22	105	120483	18.783	ug/l	100
74) N-amyl acetate	12.05	43	60606	18.659	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	38814	19.406	ug/l	98
76) 1,2,3-Trichloropropane	12.53	75	35060m	19.059	ug/l	
77) Bromobenzene	12.50	156	27343	18.466	ug/l	95
78) n-propylbenzene	12.57	91	143967	18.923	ug/l	100
79) 2-Chlorotoluene	12.65	91	84942	18.995	ug/l	98
80) 1,3,5-Trimethylbenzene	12.71	105	100889	19.004	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.27	75	13295	18.354	ug/l	99
82) 4-Chlorotoluene	12.75	91	90125	19.122	ug/l	98
83) tert-Butylbenzene	12.97	119	82801	18.497	ug/l	99
84) 1,2,4-Trimethylbenzene	13.01	105	101684	18.591	ug/l	100
85) sec-Butylbenzene	13.15	105	113864	18.656	ug/l	99
86) p-Isopropyltoluene	13.26	119	101503	18.459	ug/l	100
87) 1,3-Dichlorobenzene	13.26	146	50863	18.659	ug/l	100
88) 1,4-Dichlorobenzene	13.34	146	51152	18.366	ug/l	99
89) n-Butylbenzene	13.59	91	93465	18.541	ug/l	99
90) Hexachloroethane	13.85	117	10376	22.957	ug/l	100
91) 1,2-Dichlorobenzene	13.63	146	49197	18.823	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.25	75	7690	18.205	ug/l	98

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ClientSampleId :
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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	14.89	180	28595	17.966	ug/l	98
94) Hexachlorobutadiene	14.99	225	13378	20.120	ug/l	99
95) Naphthalene	15.11	128	89724	17.310	ug/l	99
96) 1,2,3-Trichlorobenzene	15.29	180	28969	18.435	ug/l	100

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

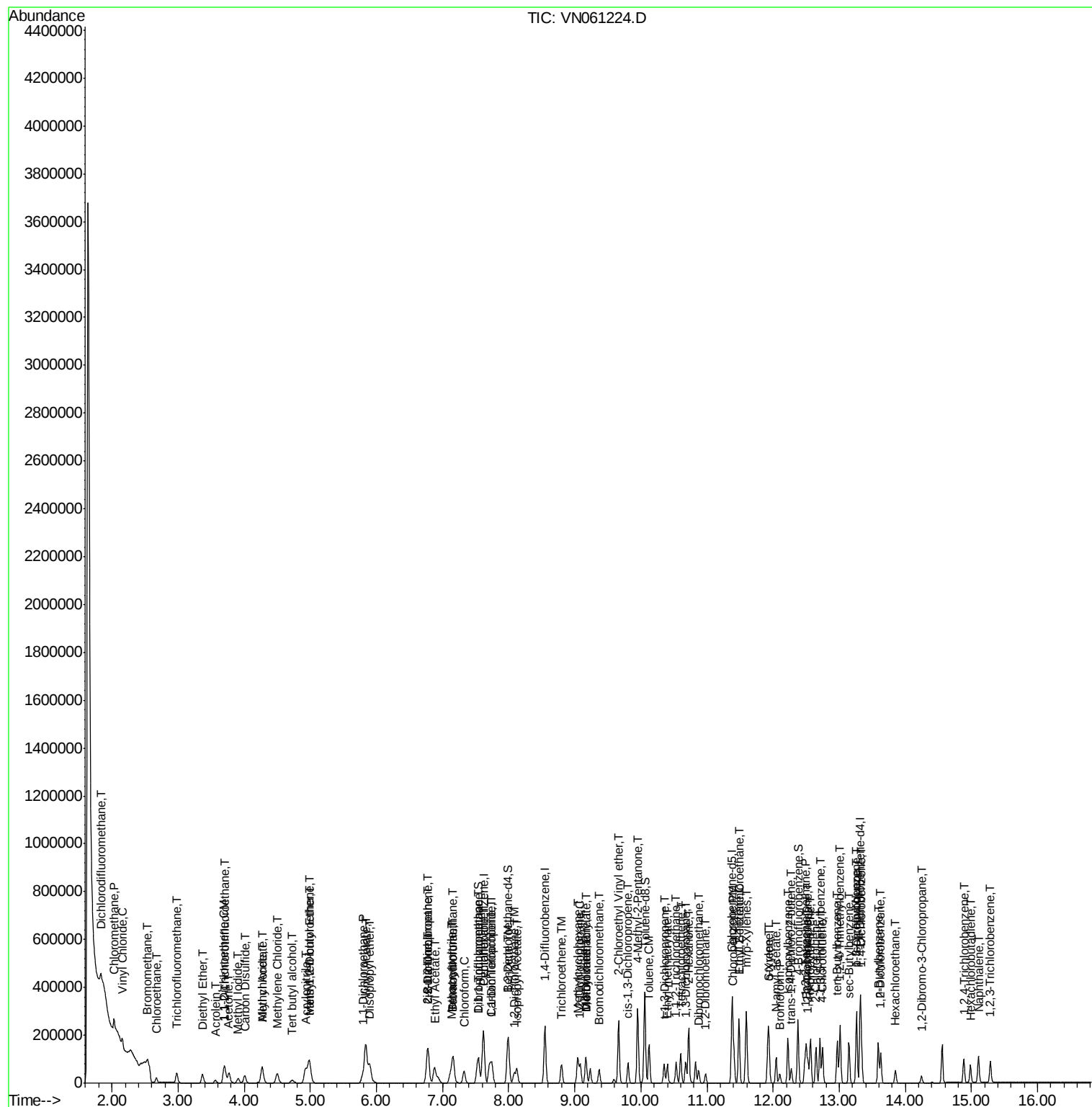
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Operator : JC/MD
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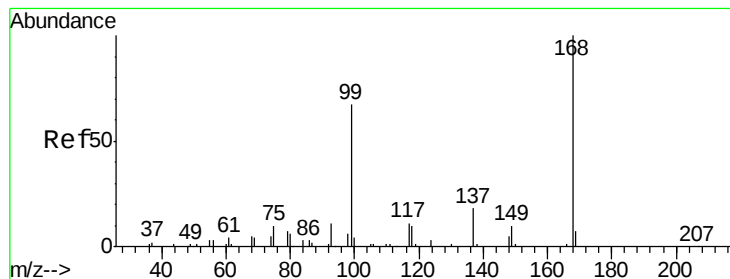
Instrument :
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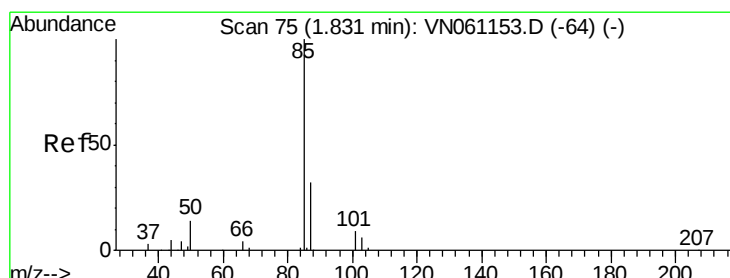
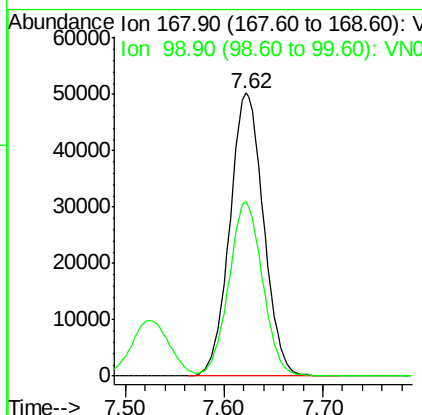
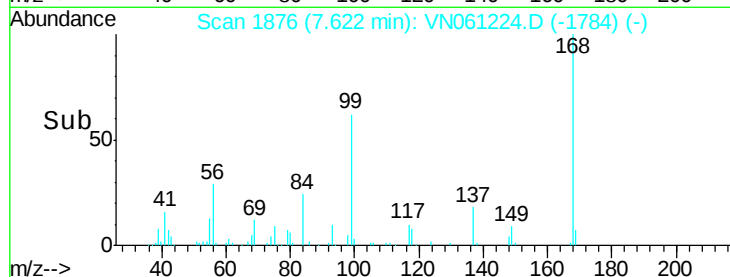
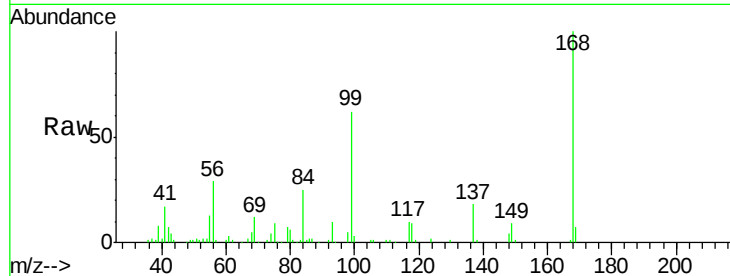
#1
 Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 7.62 min Scan# 1876
 Delta R.T. -0.00 min
 Lab File: VN061224.D
 Acq: 1 May 2020 12:48

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0501MBS01

Tot Ion	Ratio	Lower	Upper
168	100		
99	61.8	51.2	76.8

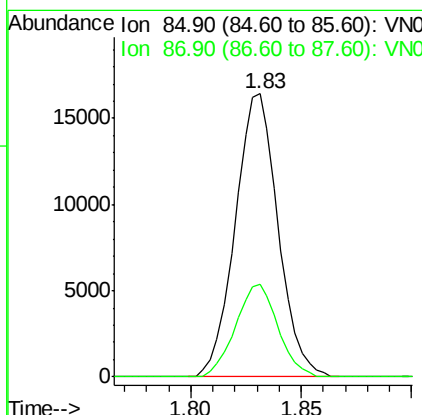
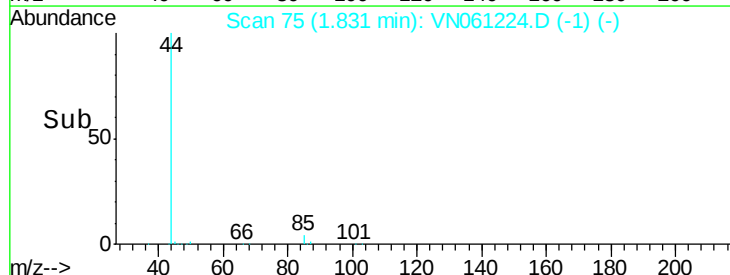
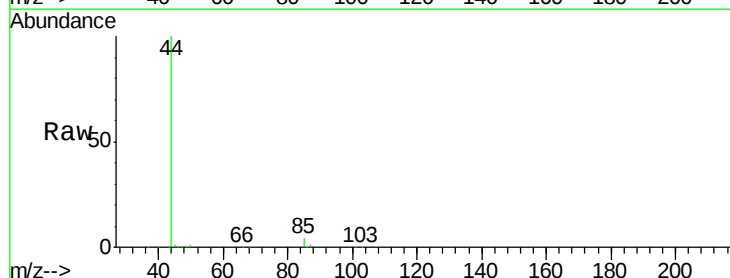
Manual Integrations
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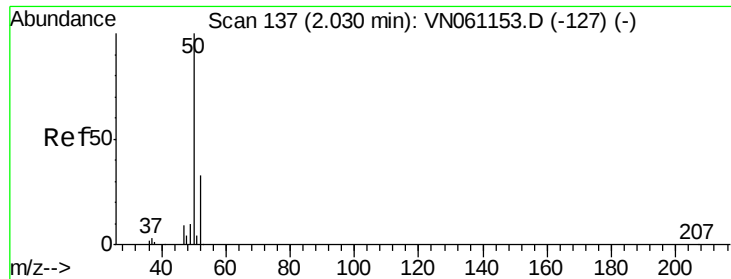
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#2
 Dichlorodifluoromethane
 Concen: 17.455 ug/l
 RT: 1.83 min Scan# 75
 Delta R.T. 0.00 min
 Lab File: VN061224.D
 Acq: 1 May 2020 12:48

Tgt Ion	Ratio	Lower	Upper
85	100		
87	32.6	16.1	48.2





#3

Chloromethane

Concen: 20.505 ug/l

RT: 2.03 min Scan# 137

Delta R.T. 0.00 min

Lab File: VN061224.D

Acq: 1 May 2020 12:48

Instrument :

MSVOA_N

ClientSampleId :

VN0501MBS01

Tot Ion: 50 Resp: 31519

Ion Ratio Lower Upper

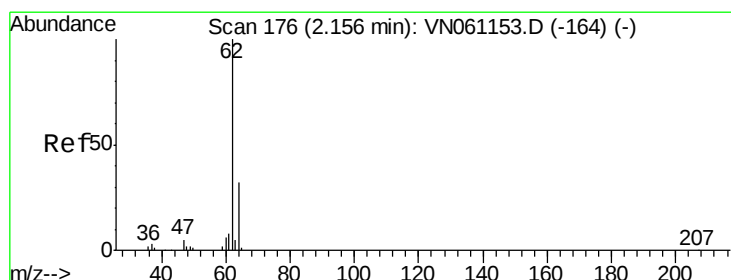
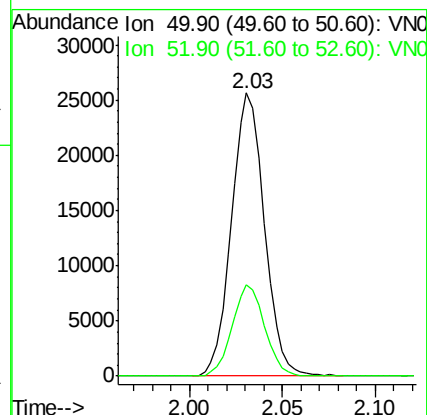
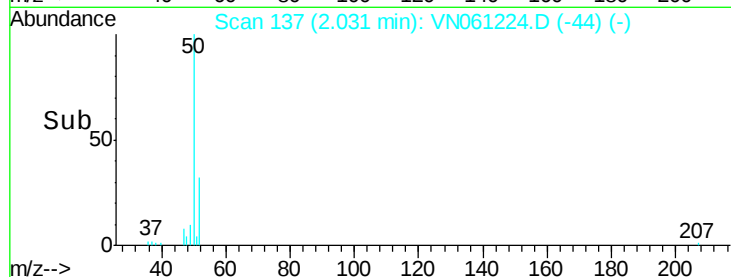
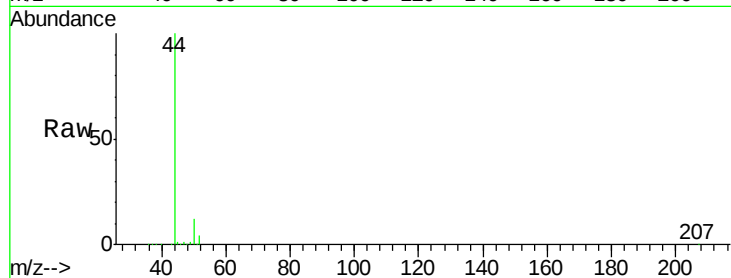
50 100

52 32.2 26.0 39.0

Manual Integrations
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#4

Vinyl Chloride

Concen: 17.241 ug/l

RT: 2.16 min Scan# 176

Delta R.T. 0.00 min

Lab File: VN061224.D

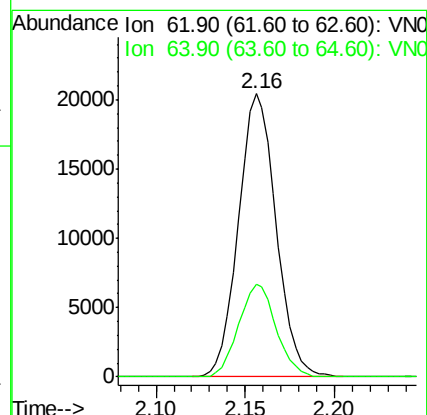
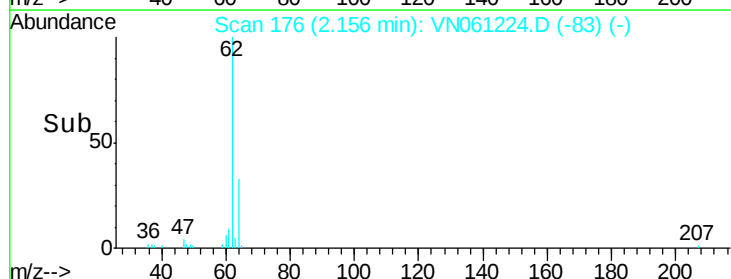
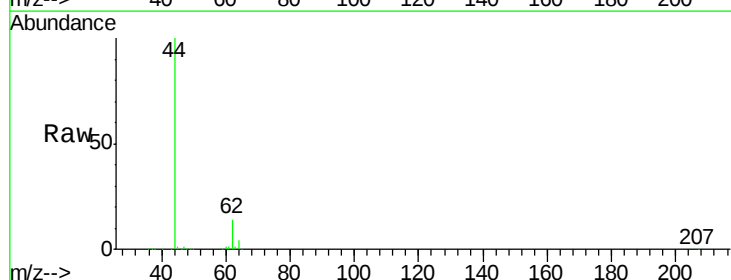
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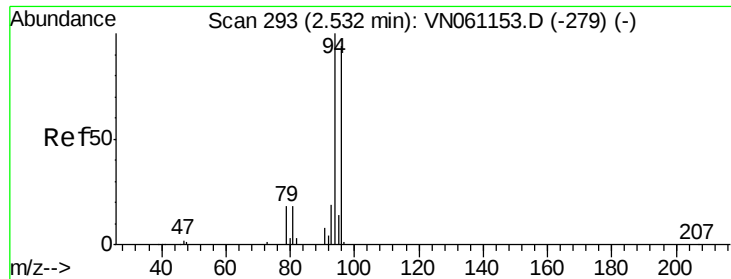
Tgt Ion: 62 Resp: 30101

Ion Ratio Lower Upper

62 100

64 32.7 25.2 37.8





#5

Bromomethane

Concen: 15.012 ug/l

RT: 2.54 min Scan# 294

Delta R.T. 0.00 min

Lab File: VN061224.D

Acq: 1 May 2020 12:48

Instrument :

MSVOA_N

ClientSampleId :

VN0501MBS01

Tot Ion: 94 Resp: 12956

Ion Ratio Lower Upper

94 100

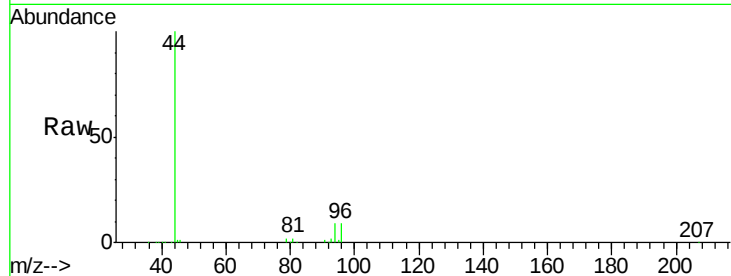
96 97.8 75.1 112.7

Manual Integrations

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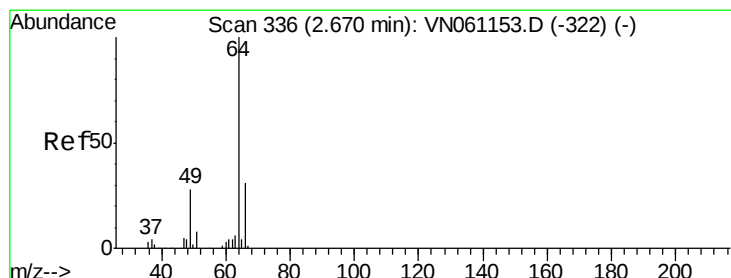
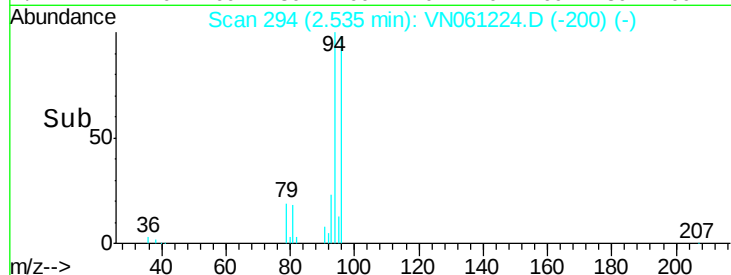


Abundance Ion 93.90 (93.60 to 94.60): VN061153.D (-279) (-)

Ion 95.90 (95.60 to 96.60): VN061153.D (-279) (-)

2.54

Time-->



#6

Chloroethane

Concen: 16.261 ug/l

RT: 2.67 min Scan# 336

Delta R.T. 0.00 min

Lab File: VN061224.D

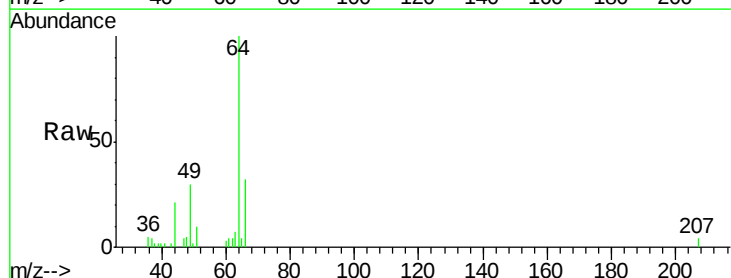
Acq: 1 May 2020 12:48

Tgt Ion: 64 Resp: 17995

Ion Ratio Lower Upper

64 100

66 32.3 24.6 36.8

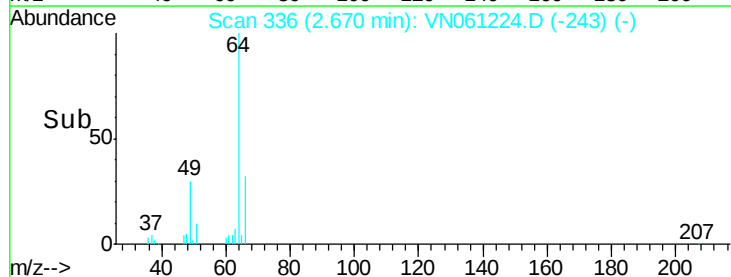


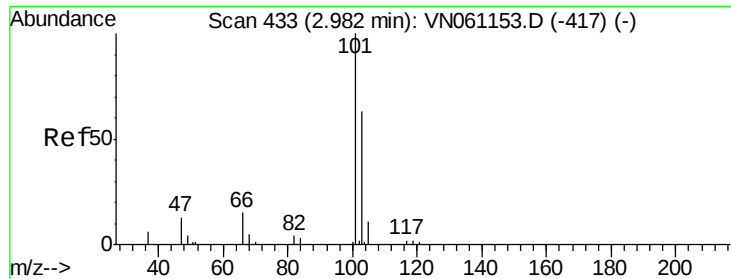
Abundance Ion 63.90 (63.60 to 64.60): VN061153.D (-322) (-)

Ion 65.90 (65.60 to 66.60): VN061153.D (-322) (-)

2.67

Time-->





#7

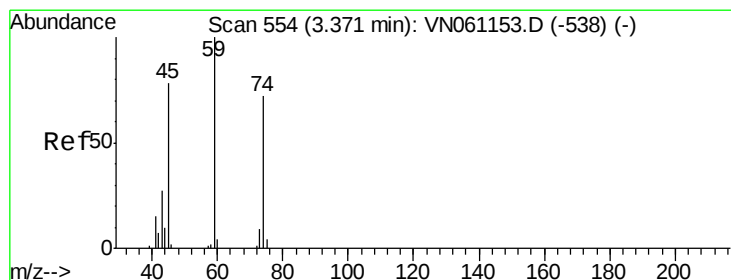
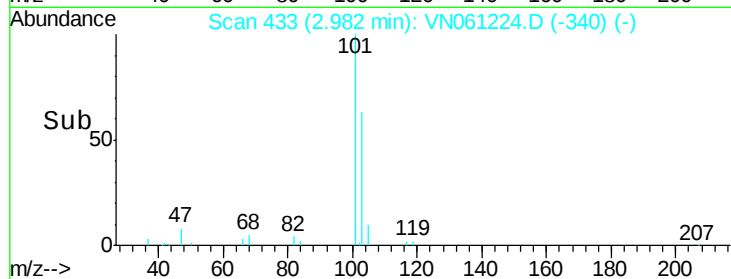
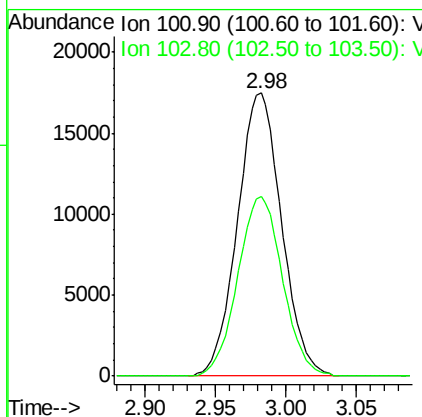
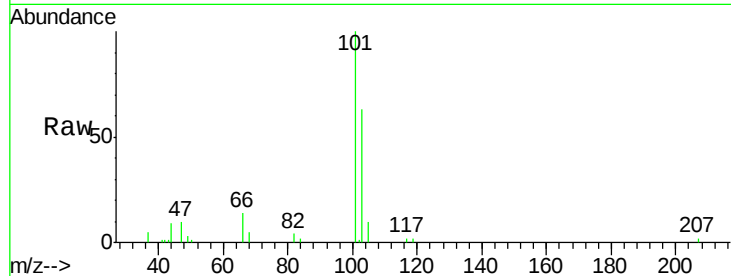
Trichlorofluoromethane
Concen: 19.436 ug/l
RT: 2.98 min Scan# 433
Delta R.T. 0.00 min
Lab File: VN061224.D
Acq: 1 May 2020 12:48

Instrument :
MSVOA_N
ClientSampleId :
VN0501MBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.4	50.6	76.0

Manual Integrations
APPROVED

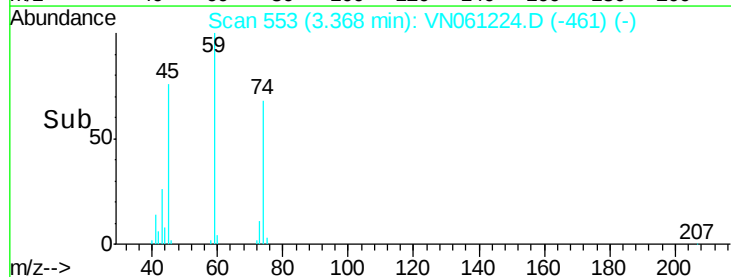
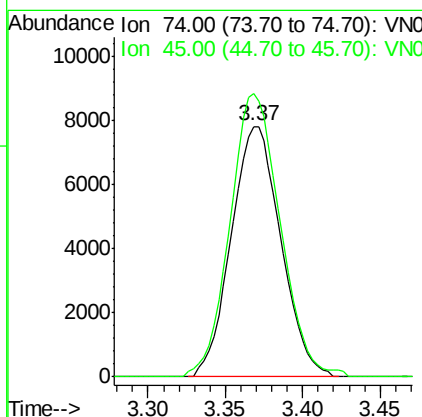
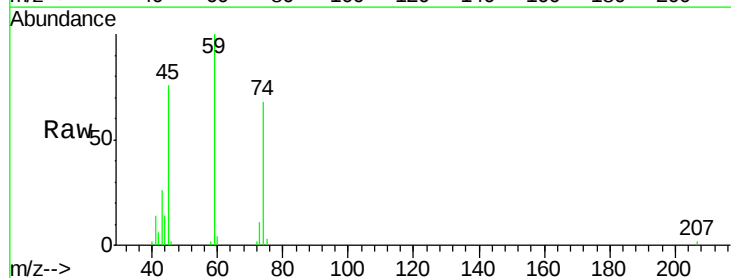
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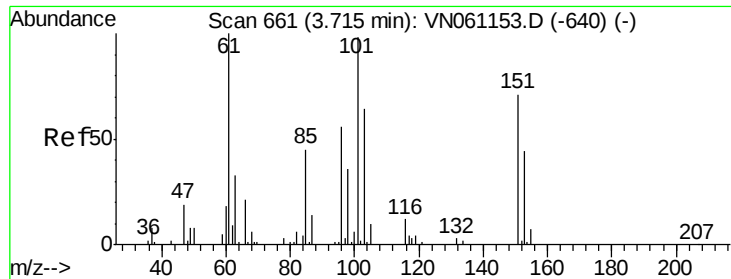


#8

Diethyl Ether
Concen: 21.178 ug/l
RT: 3.37 min Scan# 553
Delta R.T. -0.00 min
Lab File: VN061224.D
Acq: 1 May 2020 12:48

Tgt Ion	Ratio	Lower	Upper
74	100		
45	114.5	53.3	160.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.267 ug/l

RT: 3.71 min Scan# 660

Delta R.T. -0.00 min

Lab File: VN061224.D

Acq: 1 May 2020 12:48

Instrument :

MSVOA_N

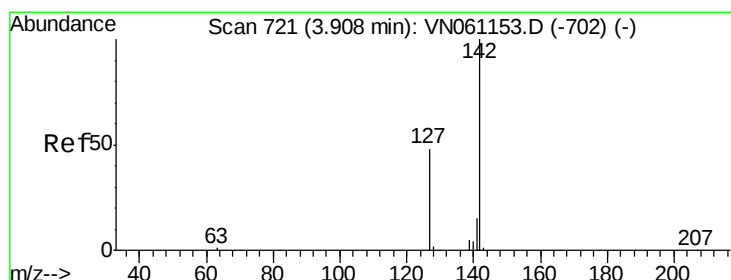
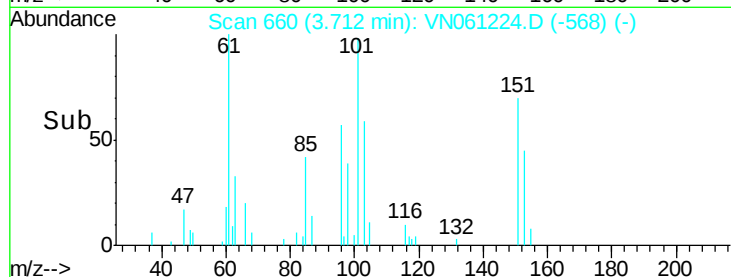
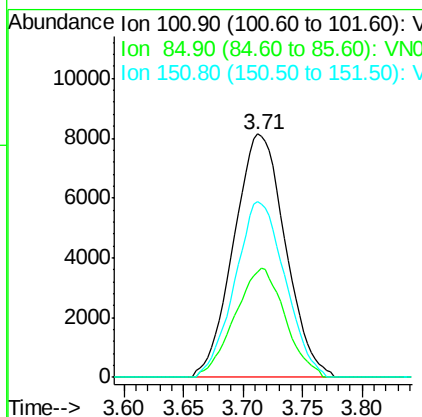
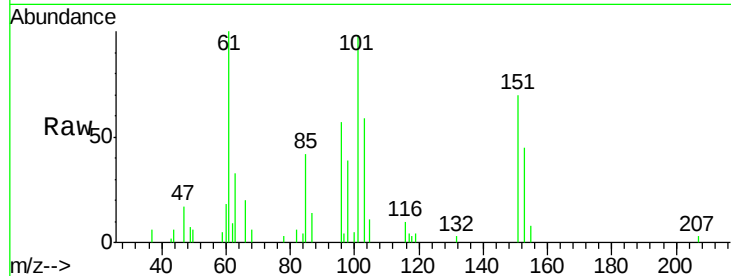
ClientSampleId :

VN0501MBS01

Tot Ion:	101	Resp:	24450
Ion Ratio	Lower	Upper	
101	100		
85	43.6	37.2	55.8
151	70.3	57.7	86.5

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#10

Methyl Iodide

Concen: 17.697 ug/l

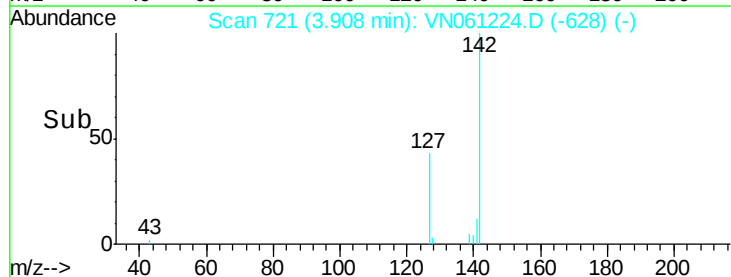
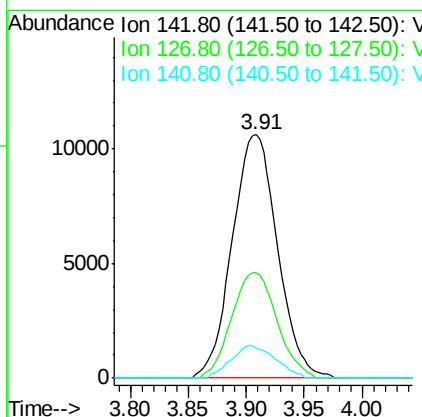
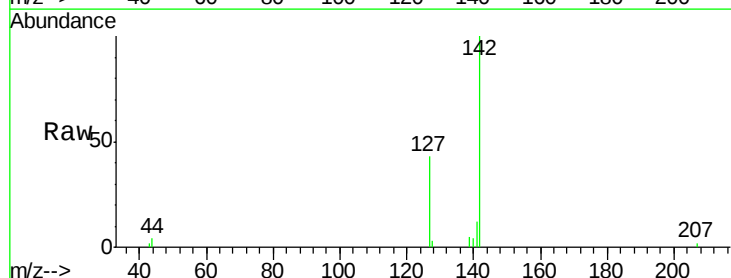
RT: 3.91 min Scan# 721

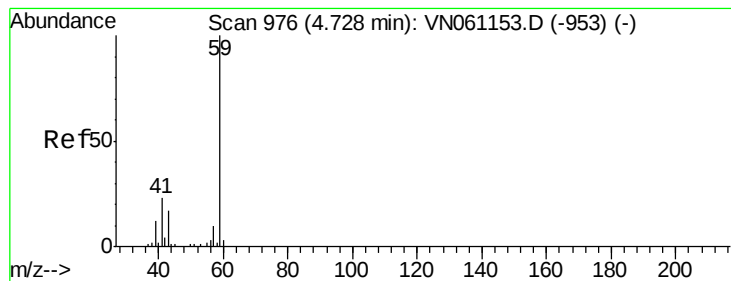
Delta R.T. 0.00 min

Lab File: VN061224.D

Acq: 1 May 2020 12:48

Tgt Ion:	142	Resp:	28861
Ion Ratio	Lower	Upper	
142	100		
127	43.2	38.0	57.0
141	13.1	11.7	17.5





#11

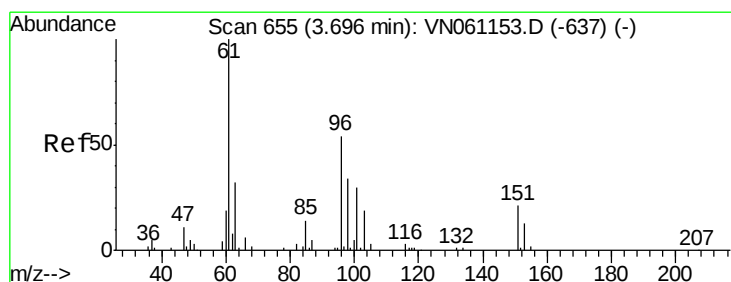
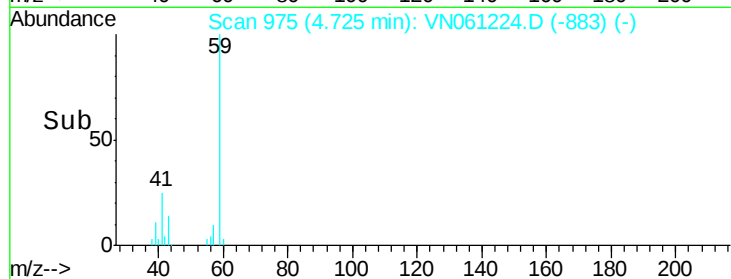
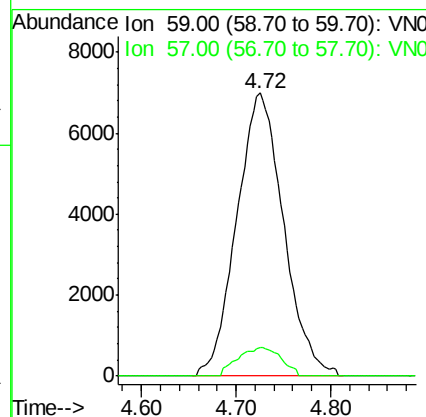
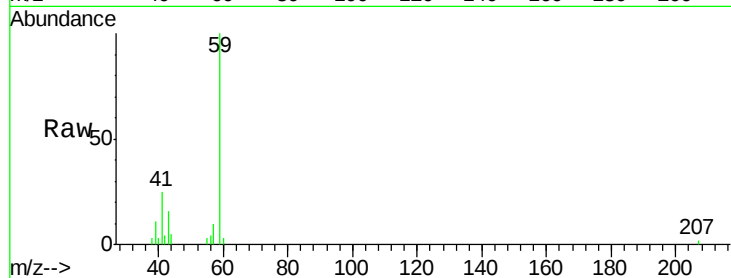
Tert butyl alcohol
 Concen: 94.629 ug/l
 RT: 4.72 min Scan# 975
 Delta R.T. -0.00 min
 Lab File: VN061224.D
 Acq: 1 May 2020 12:48

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0501MBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.4	8.3	12.5

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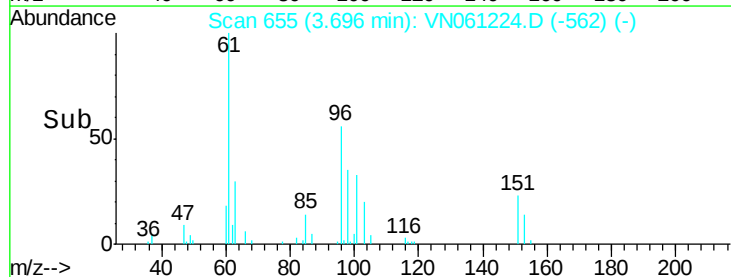
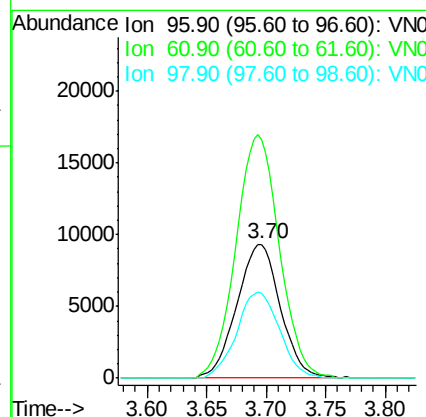
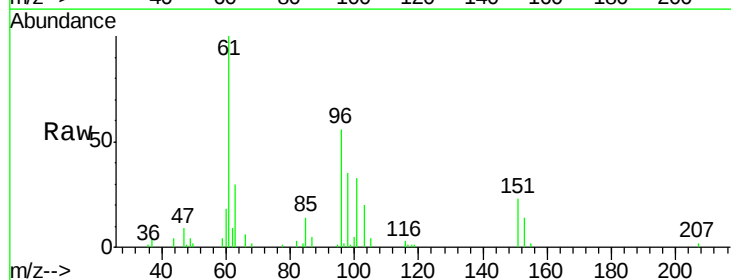
MMDadoda
 5/4/2020 2:57:59 PM

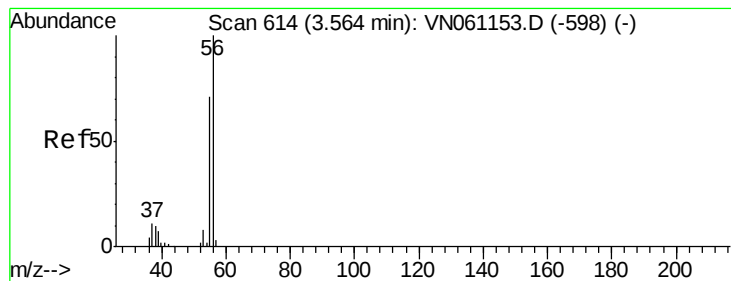


#12

1,1-Dichloroethene
 Concen: 18.679 ug/l
 RT: 3.70 min Scan# 655
 Delta R.T. 0.00 min
 Lab File: VN061224.D
 Acq: 1 May 2020 12:48

Tgt Ion	Ratio	Lower	Upper
96	100		
61	178.2	147.0	220.6
98	63.0	49.8	74.6





#13

Acrolein

Concen: 77.166 ug/l

RT: 3.56 min Scan# 613

Delta R.T. -0.00 min

Lab File: VN061224.D

Acq: 1 May 2020 12:48

Instrument :

MSVOA_N

ClientSampleId :

VN0501MBS01

Tot Ion: 56 Resp: 13046

Ion Ratio Lower Upper

56 100

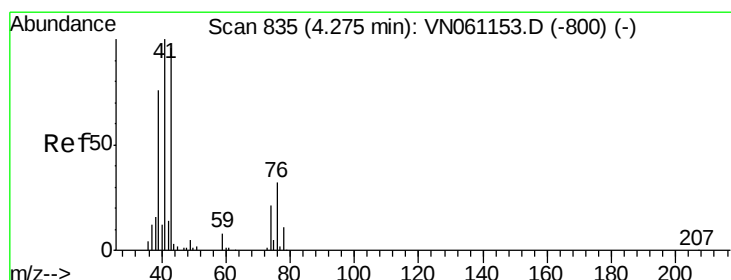
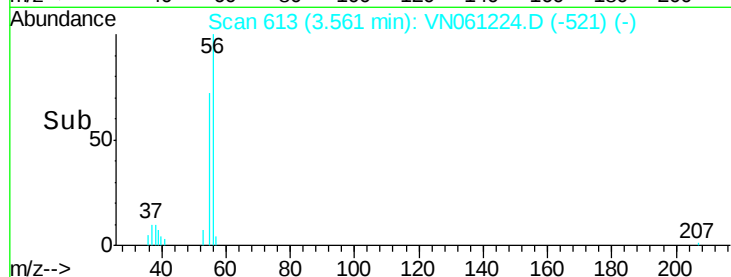
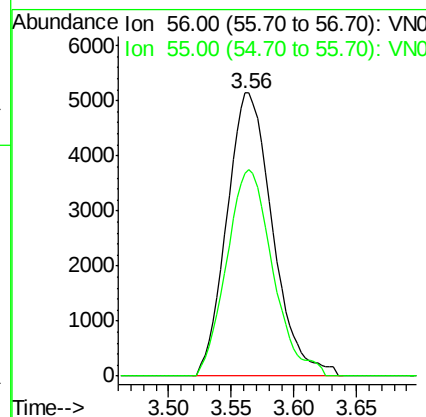
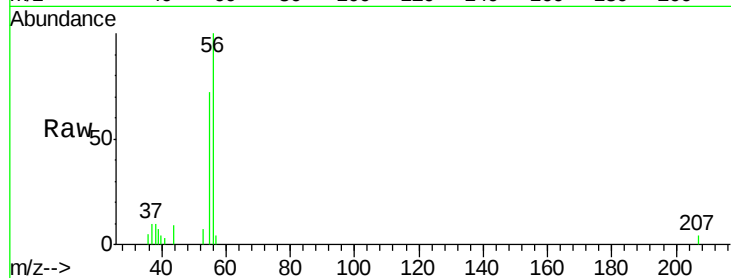
55 73.3 58.5 87.7

Manual Integrations

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#14

Allyl chloride

Concen: 22.733 ug/l

RT: 4.27 min Scan# 834

Delta R.T. -0.00 min

Lab File: VN061224.D

Acq: 1 May 2020 12:48

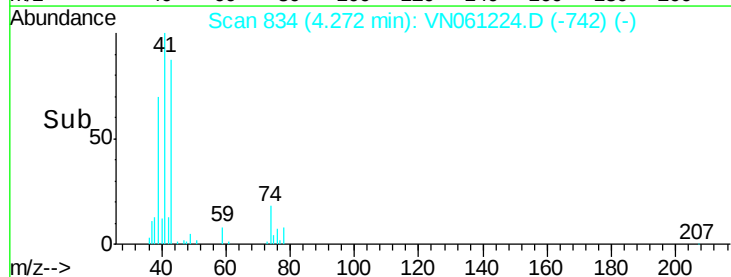
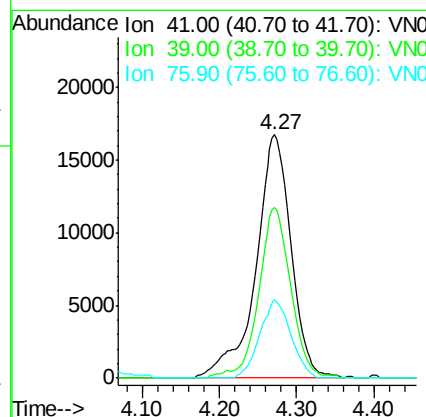
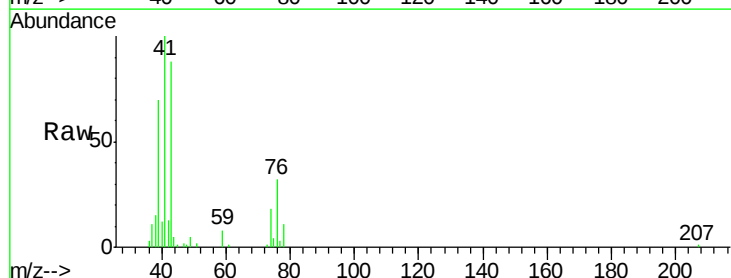
Tgt Ion: 41 Resp: 53230

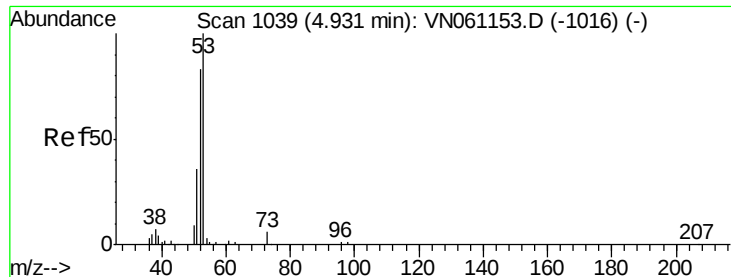
Ion Ratio Lower Upper

41 100

39 62.3 57.1 85.7

76 28.2 24.3 36.5





#15

Acrylonitrile

Concen: 101.908 ug/l

RT: 4.93 min Scan# 1038

Delta R.T. -0.00 min

Lab File: VN061224.D

Acq: 1 May 2020 12:48

Instrument :

MSVOA_N

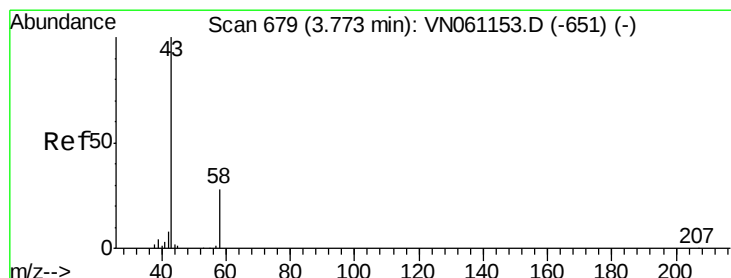
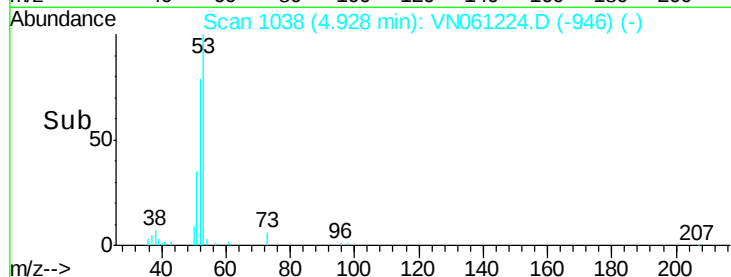
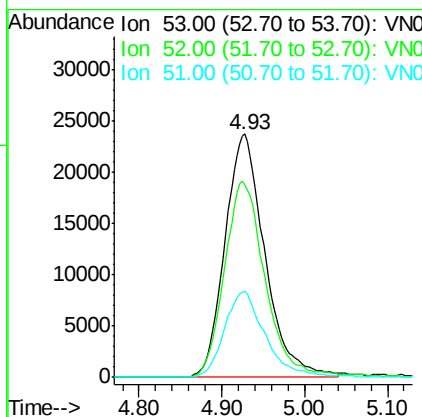
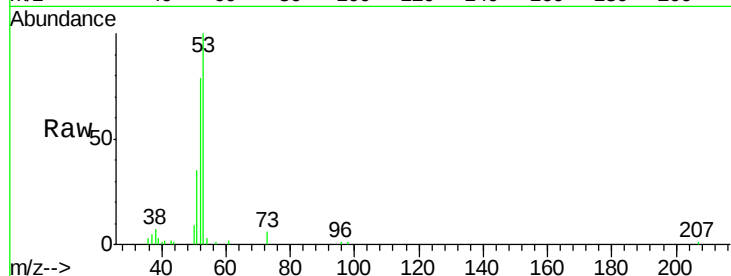
ClientSampleId :

VN0501MBS01

Tot Ion:	53	Resp:	79364
Ion	Ratio	Lower	Upper
53	100		
52	81.0	65.4	98.0
51	36.1	29.5	44.3

Manual Integrations
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#16

Acetone

Concen: 92.614 ug/l

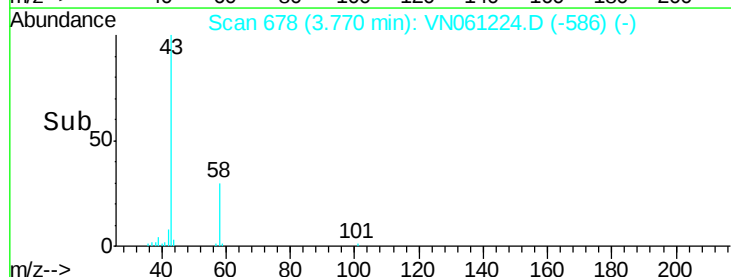
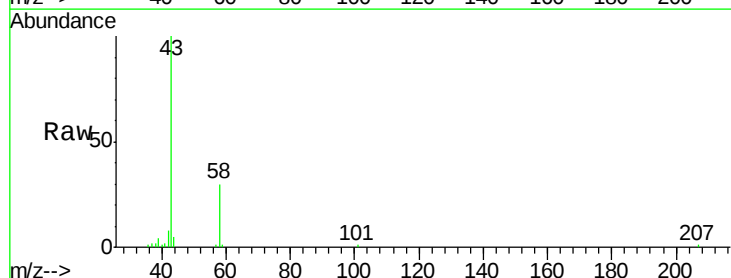
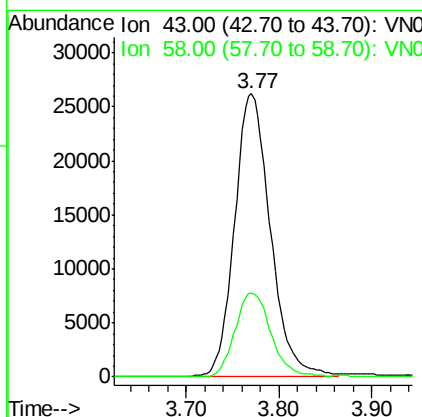
RT: 3.77 min Scan# 678

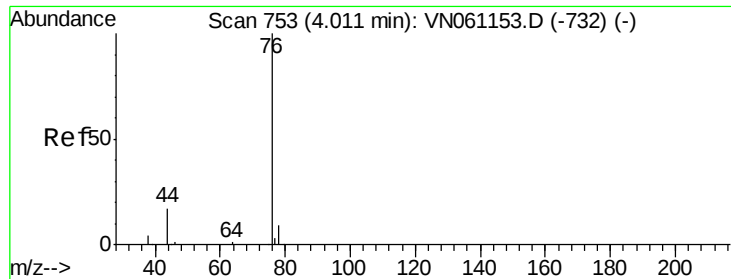
Delta R.T. -0.00 min

Lab File: VN061224.D

Acq: 1 May 2020 12:48

Tgt Ion:	43	Resp:	70382
Ion	Ratio	Lower	Upper
43	100		
58	29.5	22.2	33.2





#17

Carbon Disulfide

Concen: 17.709 ug/l

RT: 4.01 min Scan# 752

Delta R.T. -0.00 min

Lab File: VN061224.D

Acq: 1 May 2020 12:48

Instrument :

MSVOA_N

ClientSampleId :

VN0501MBS01

Tot Ion: 76 Resp: 61776

Ion Ratio Lower Upper

76 100

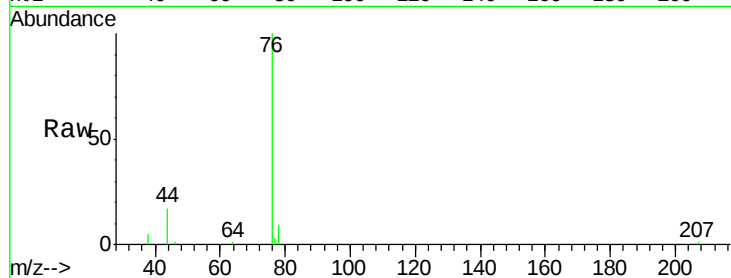
78 8.7 7.2 10.8

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Abundance Ion 75.90 (75.60 to 76.60): VNO

Ion 77.90 (77.60 to 78.60): VNO

25000

20000

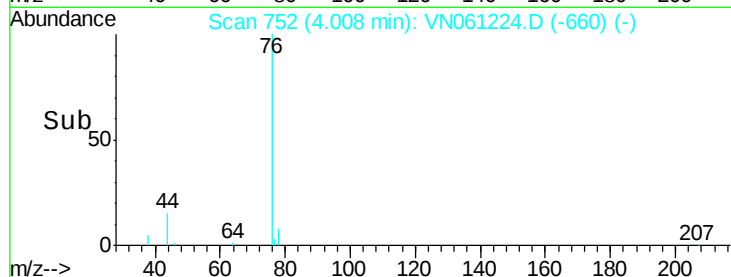
15000

10000

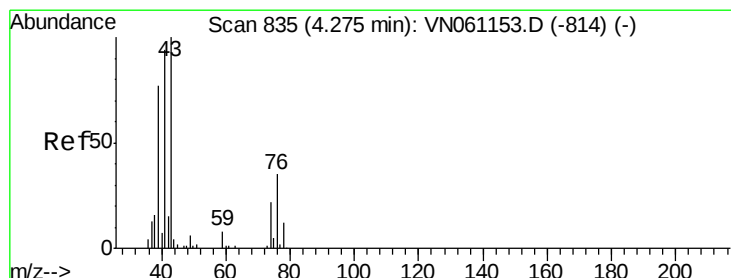
5000

0

Time-->



Time-->



#18

Methyl Acetate

Concen: 18.811 ug/l

RT: 4.27 min Scan# 834

Delta R.T. -0.00 min

Lab File: VN061224.D

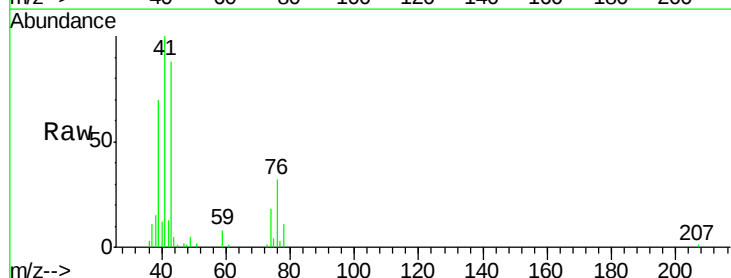
Acq: 1 May 2020 12:48

Tgt Ion: 43 Resp: 43944

Ion Ratio Lower Upper

43 100

74 19.1 17.0 25.4



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 74.00 (73.70 to 74.70): VNO

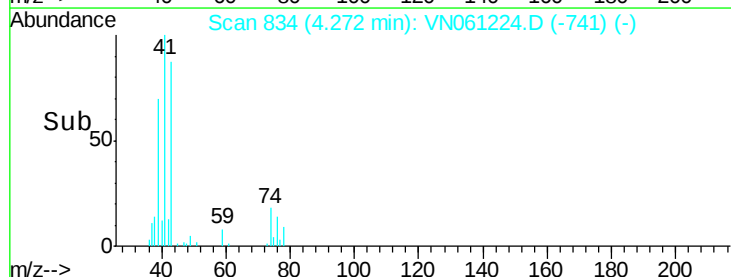
15000

10000

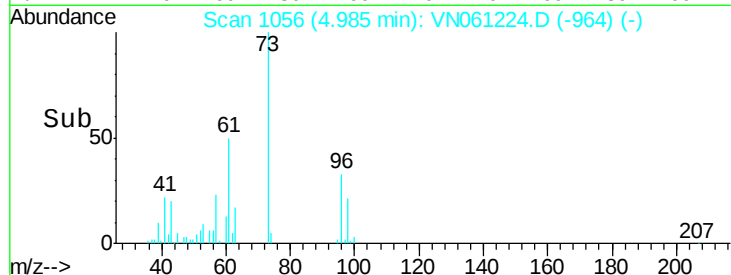
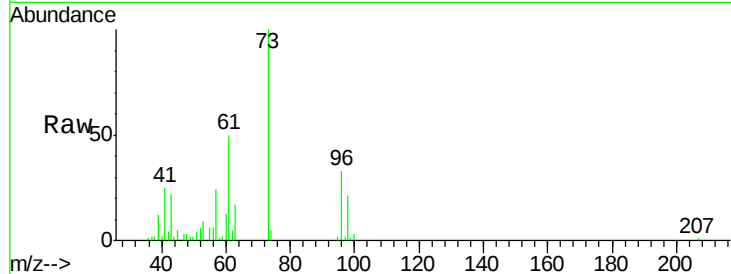
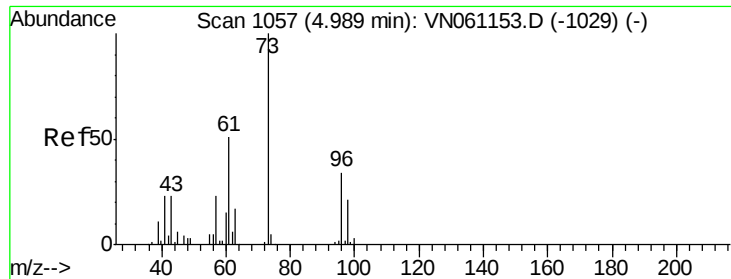
5000

0

Time-->



Time-->



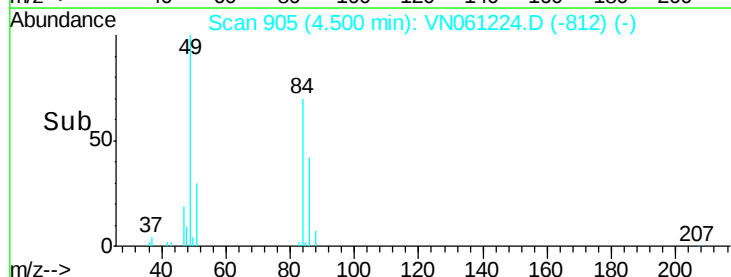
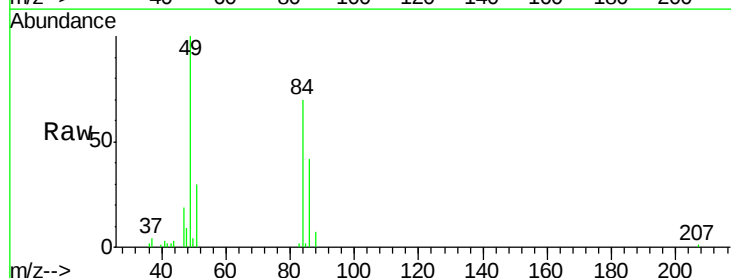
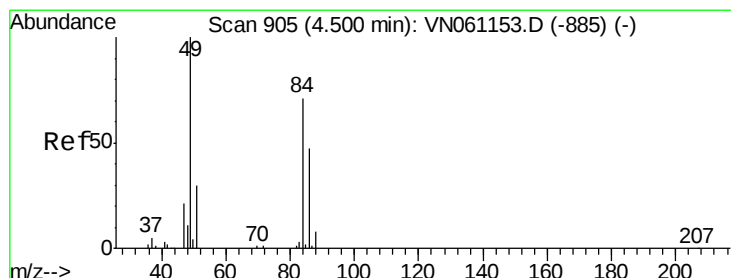
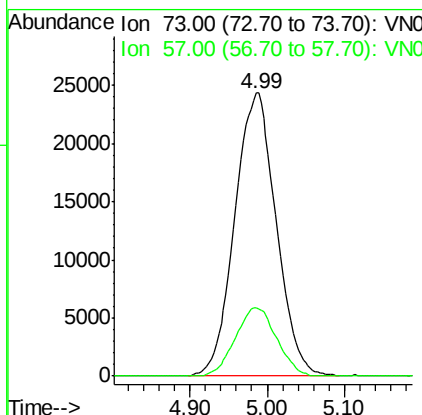
#19
Methyl tert-butyl Ether
Concen: 18.787 ug/l
RT: 4.99 min Scan# 1056
Delta R.T. -0.00 min
Lab File: VN061224.D
Acq: 1 May 2020 12:48

Tot Ion: 73 Resp: 90653
Ion Ratio Lower Upper
73 100
57 24.3 18.3 27.5

Instrument :
MSVOA_N
ClientSampleId :
VN0501MBS01

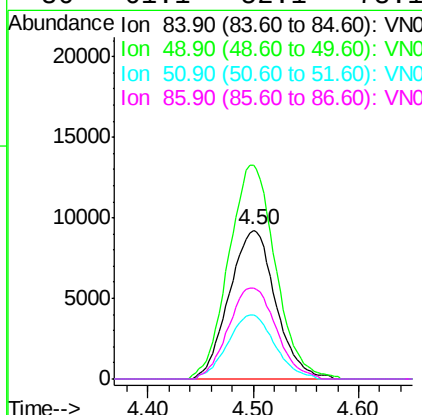
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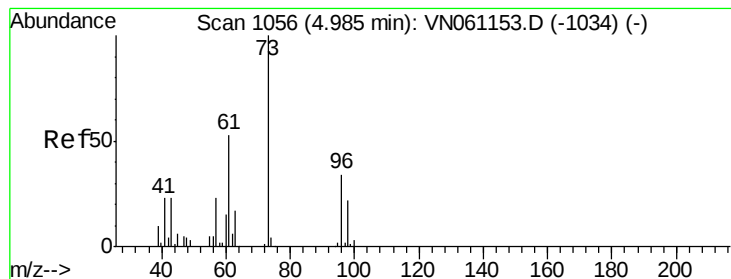
MMDadoda
5/4/2020 2:57:59 PM



#20
Methylene Chloride
Concen: 19.156 ug/l
RT: 4.50 min Scan# 905
Delta R.T. 0.00 min
Lab File: VN061224.D
Acq: 1 May 2020 12:48

Tgt Ion: 84 Resp: 28289
Ion Ratio Lower Upper
84 100
49 143.8 112.0 168.0
51 43.3 33.6 50.4
86 61.1 52.1 78.1





#21

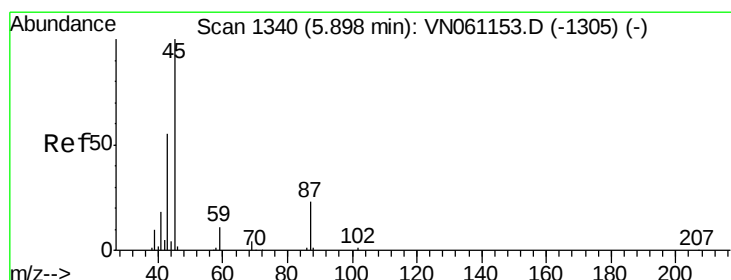
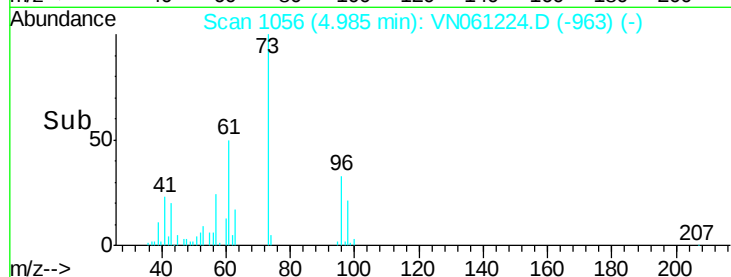
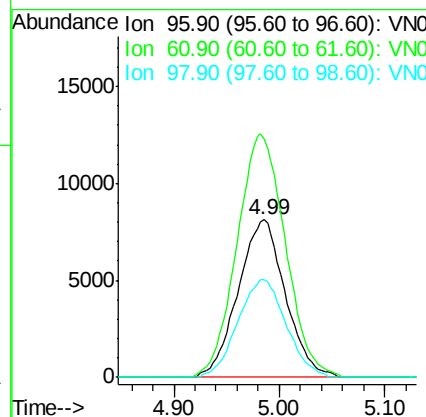
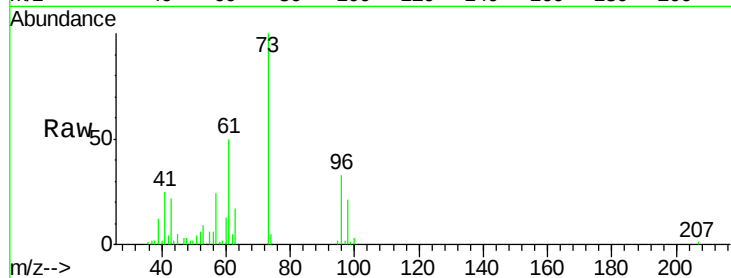
trans-1,2-Dichloroethene
Concen: 18.411 ug/l
RT: 4.99 min Scan# 1056
Delta R.T. 0.00 min
Lab File: VN061224.D
Acq: 1 May 2020 12:48

Instrument :
MSVOA_N
ClientSampleId :
VN0501MBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	150.9	123.0	184.4
98	62.2	50.1	75.1

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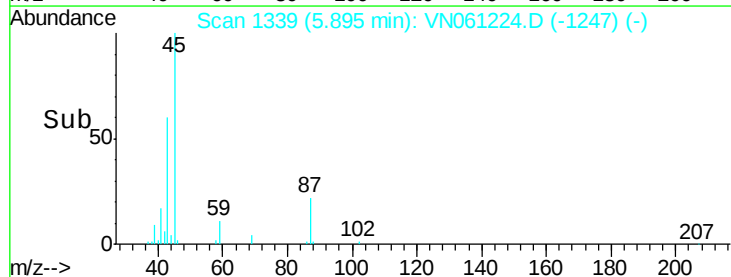
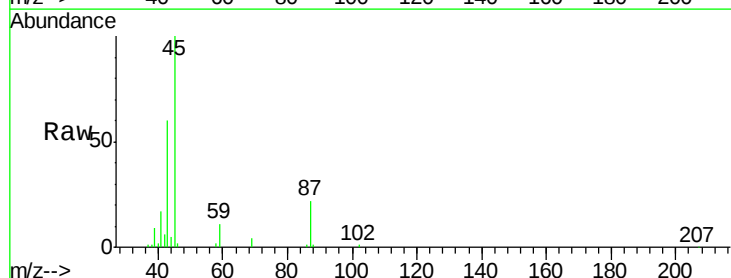
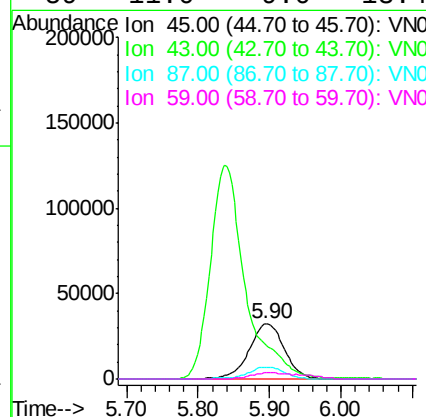
MMDadoda
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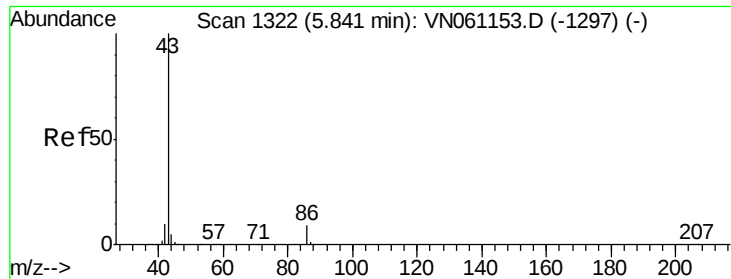


#22

Diisopropyl ether
Concen: 20.428 ug/l
RT: 5.90 min Scan# 1339
Delta R.T. -0.00 min
Lab File: VN061224.D
Acq: 1 May 2020 12:48

Tgt Ion	Ratio	Lower	Upper
45	100		
43	57.7	47.9	71.9
87	21.8	19.2	28.8
59	11.0	9.0	13.4





#23

Vinyl Acetate

Concen: 97.887 ug/l

RT: 5.84 min Scan# 1321

Delta R.T. -0.00 min

Lab File: VN061224.D

Acq: 1 May 2020 12:48

Instrument :

MSVOA_N

ClientSampleId :

VN0501MBS01

Tot Ion: 43 Resp: 427952

Ion Ratio Lower Upper

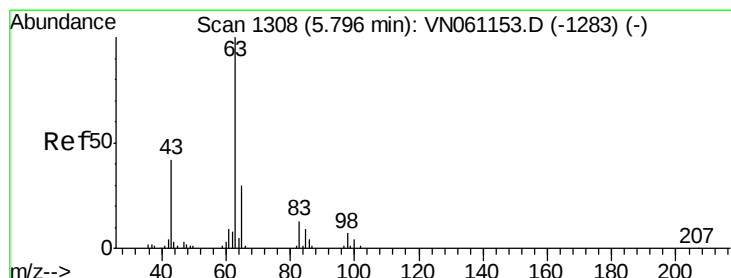
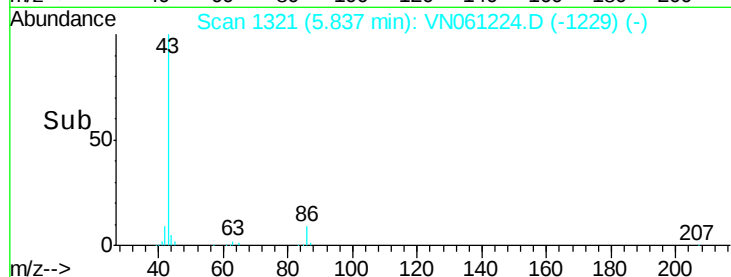
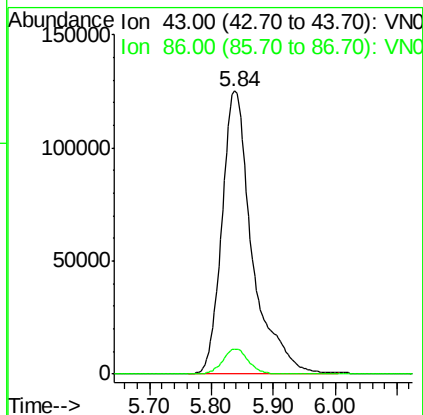
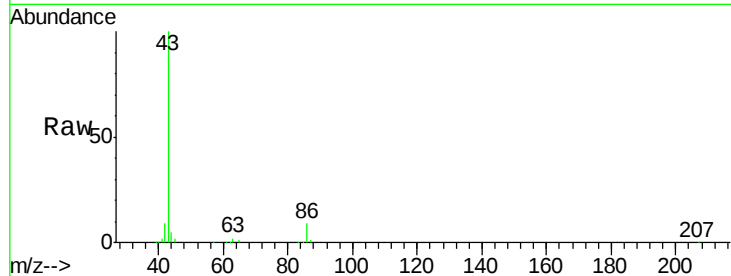
43 100

86 8.9 7.2 10.8

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#24

1,1-Dichloroethane

Concen: 19.177 ug/l

RT: 5.79 min Scan# 1307

Delta R.T. -0.00 min

Lab File: VN061224.D

Acq: 1 May 2020 12:48

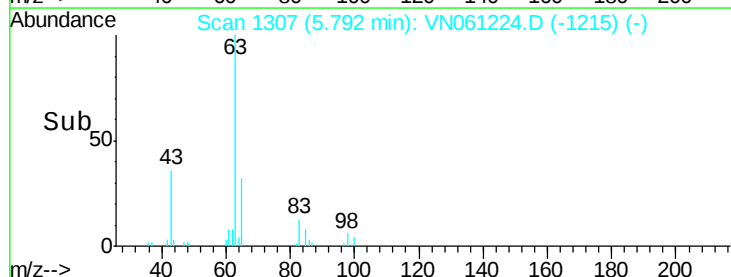
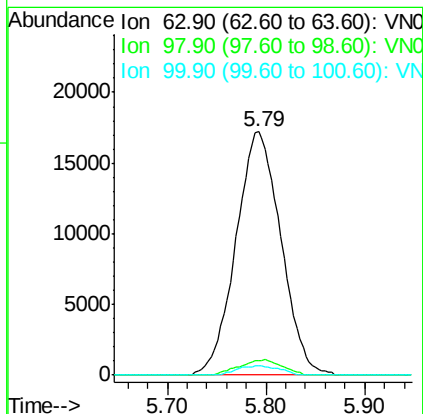
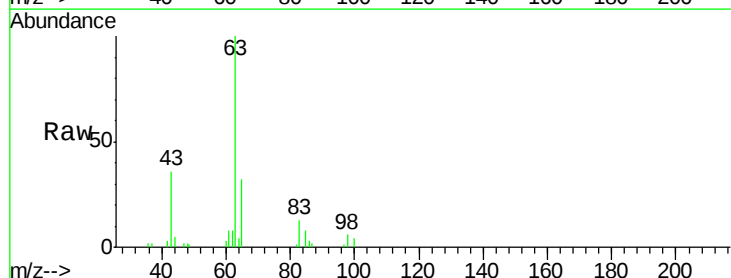
Tgt Ion: 63 Resp: 54405

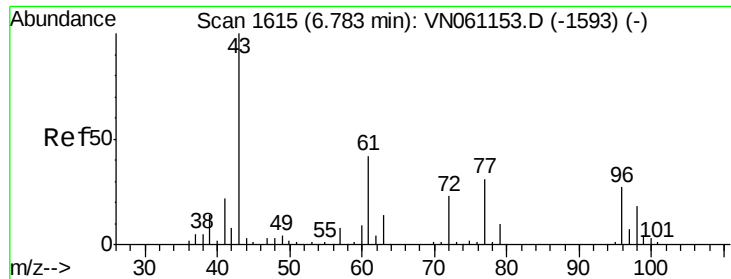
Ion Ratio Lower Upper

63 100

98 6.0 3.3 9.9

100 4.0 1.9 5.7





#25

2-Butanone

Concen: 94.069 ug/l

RT: 6.78 min Scan# 1615

Delta R.T. 0.00 min

Lab File: VN061224.D

Acq: 1 May 2020 12:48

Instrument :

MSVOA_N

ClientSampleId :

VN0501MBS01

Tot Ion: 43 Resp: 105419

Ion Ratio Lower Upper

43 100

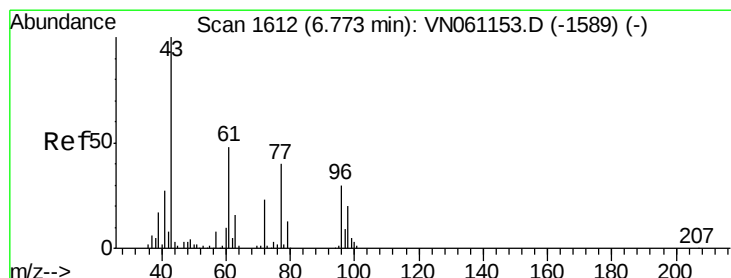
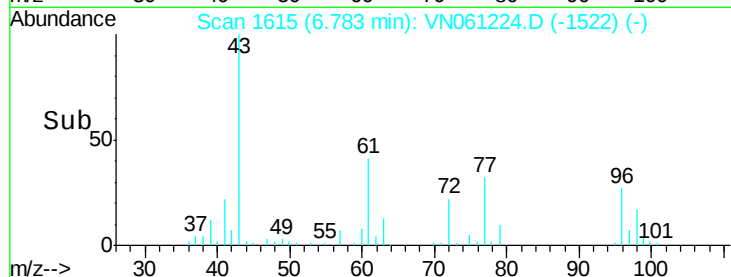
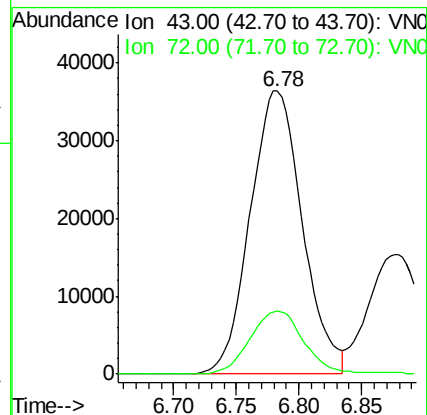
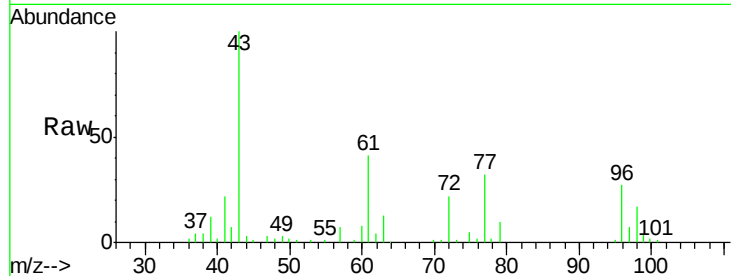
72 22.3 18.2 27.4

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 18.295 ug/l

RT: 6.77 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VN061224.D

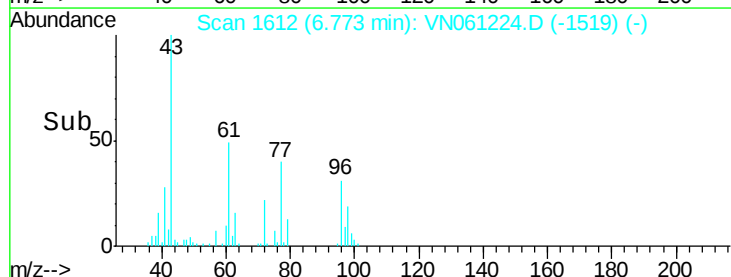
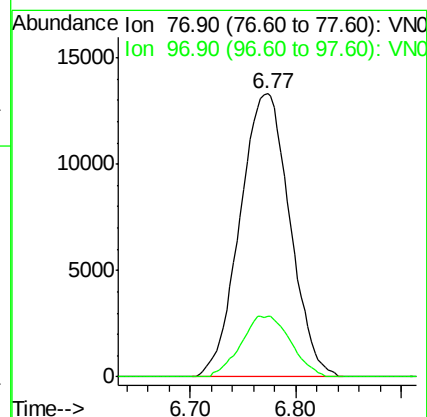
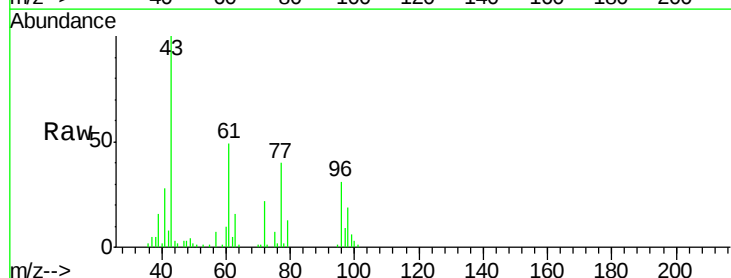
Acq: 1 May 2020 12:48

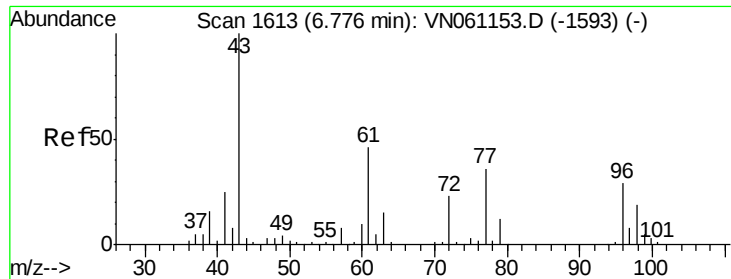
Tgt Ion: 77 Resp: 43717

Ion Ratio Lower Upper

77 100

97 21.4 10.5 31.5





#27

cis-1,2-Dichloroethene

Concen: 18.584 ug/l

RT: 6.78 min Scan# 1613

Delta R.T. 0.00 min

Lab File: VN061224.D

Acq: 1 May 2020 12:48

Instrument :

MSVOA_N

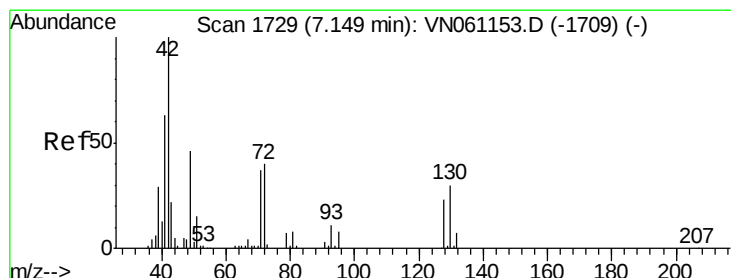
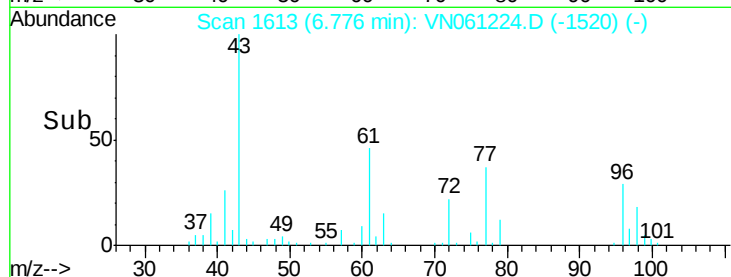
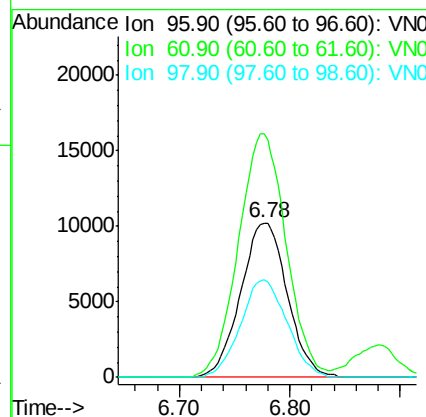
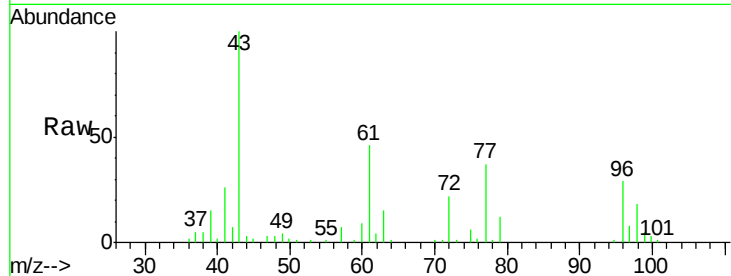
ClientSampleId :

VN0501MBS01

Tot Ion:	96	Resp:	29989
Ion	Ratio	Lower	Upper
96	100		
61	161.3	0.0	322.0
98	63.0	0.0	129.6

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#28

Bromochloromethane

Concen: 21.921 ug/l

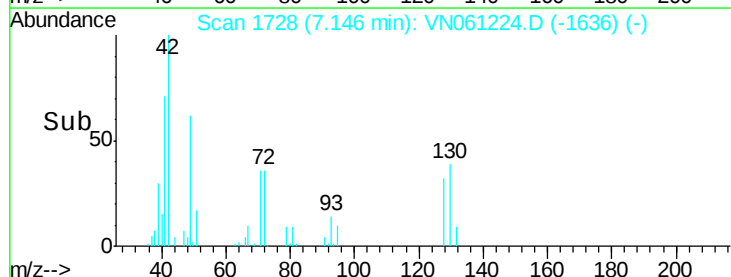
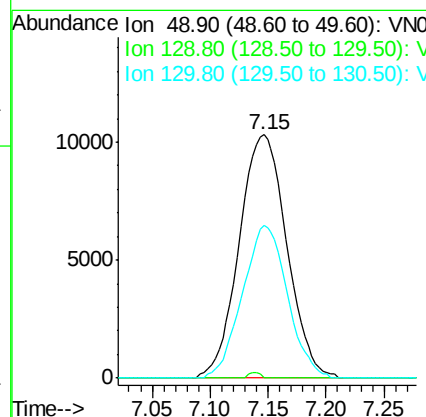
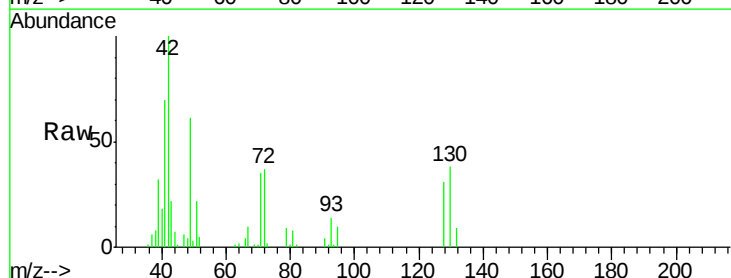
RT: 7.15 min Scan# 1728

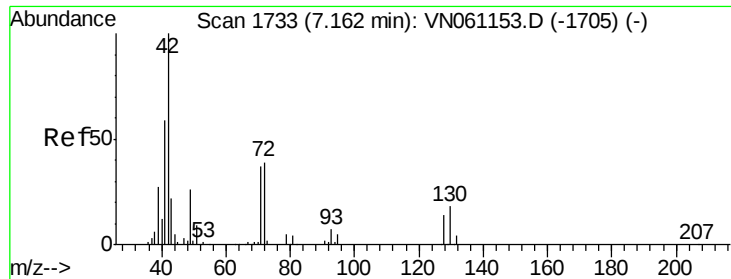
Delta R.T. -0.00 min

Lab File: VN061224.D

Acq: 1 May 2020 12:48

Tgt Ion:	49	Resp:	29476
Ion	Ratio	Lower	Upper
49	100		
129	0.5	0.0	3.0
130	59.1	51.4	77.2





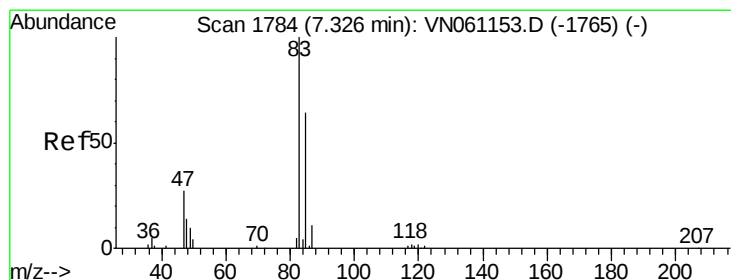
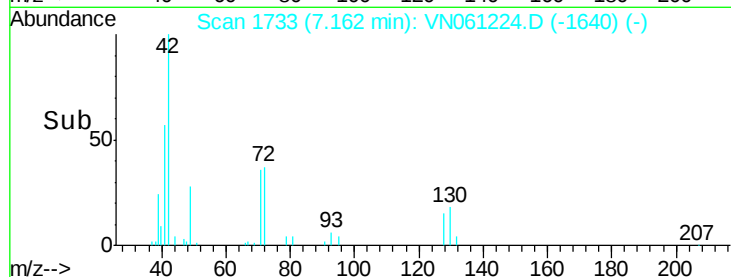
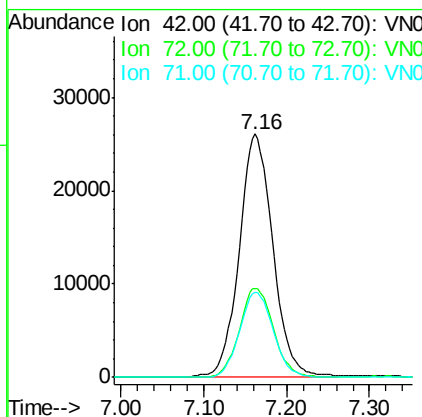
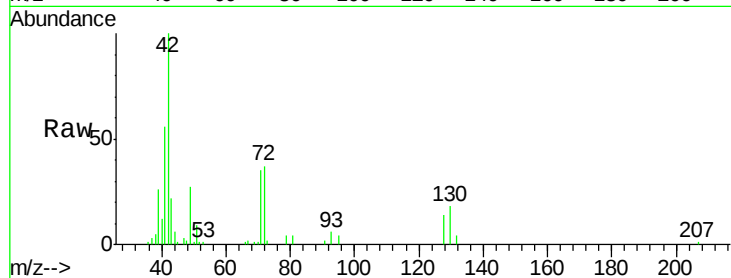
#29
Tetrahydrofuran
Concen: 97.726 ug/l
RT: 7.16 min Scan# 1733
Delta R.T. 0.00 min
Lab File: VN061224.D
Acq: 1 May 2020 12:48

Instrument :
MSVOA_N
ClientSampleId :
VN0501MBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	36.8	31.4	47.0
71	34.7	29.5	44.3

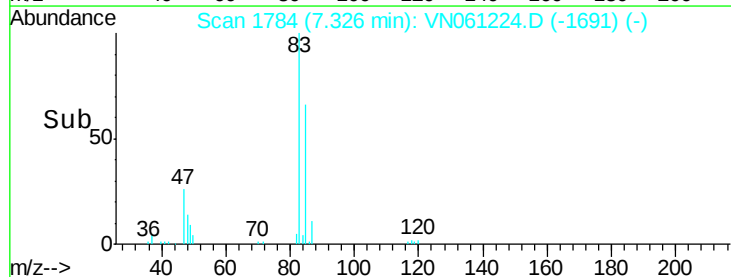
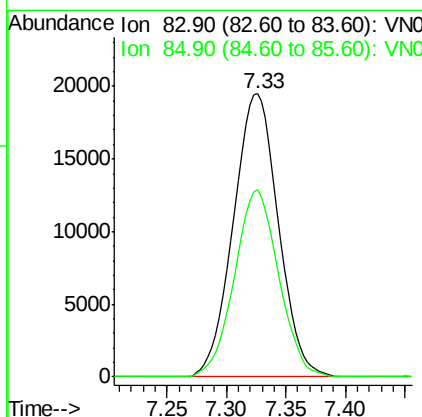
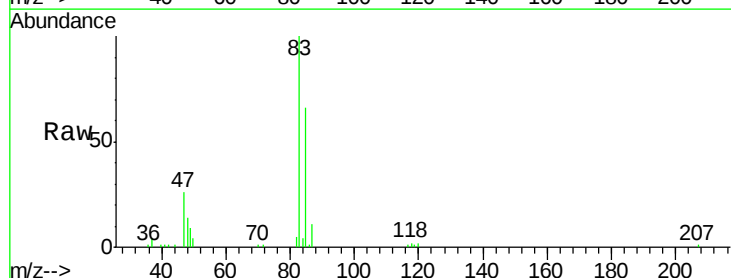
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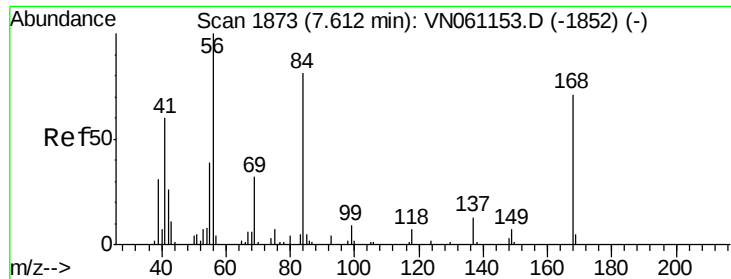
MMDadoda
5/4/2020 2:57:59 PM



#30
Chloroform
Concen: 17.742 ug/l
RT: 7.33 min Scan# 1784
Delta R.T. 0.00 min
Lab File: VN061224.D
Acq: 1 May 2020 12:48

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.1	51.1	76.7





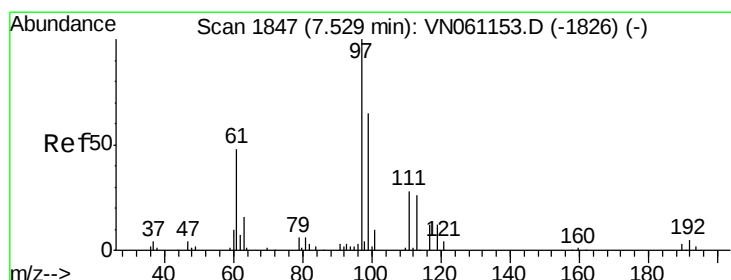
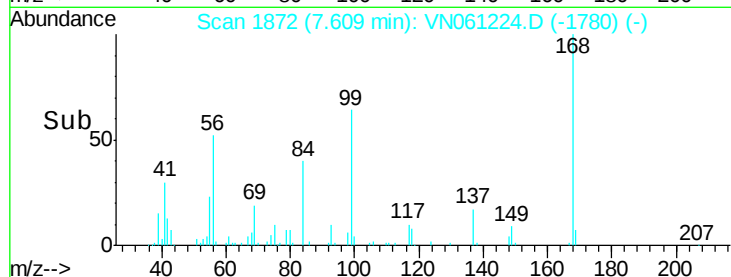
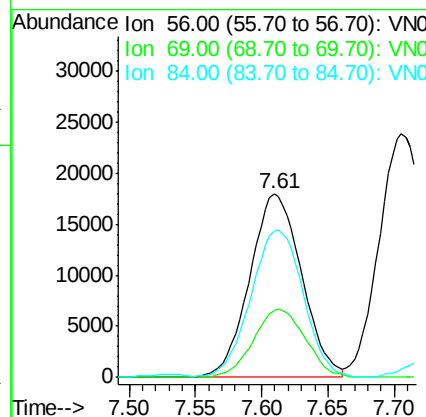
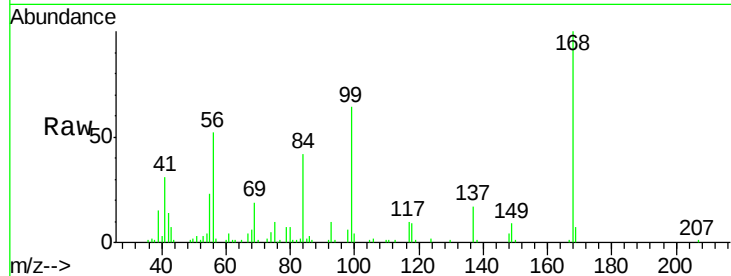
#31
Cyclohexane
Concen: 17.751 ug/l
RT: 7.61 min Scan# 1872
Delta R.T. -0.00 min
Lab File: VN061224.D
Acq: 1 May 2020 12:48

Instrument :
MSVOA_N
ClientSampleId :
VN0501MBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	36.4	25.7	38.5
84	79.9	64.6	97.0

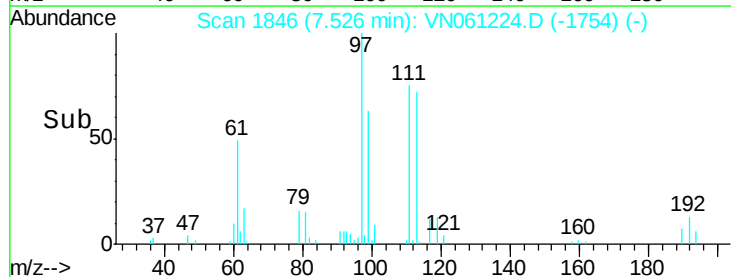
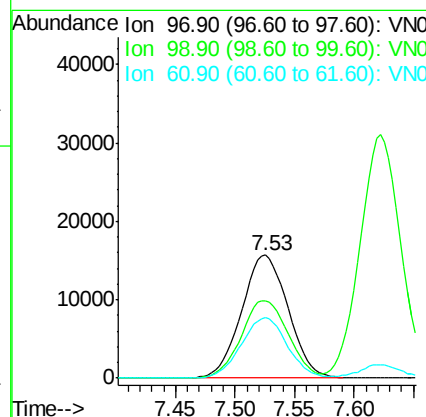
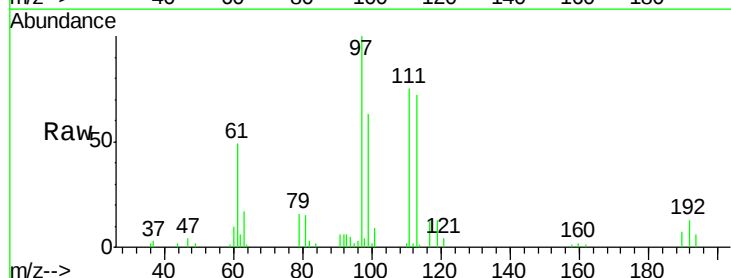
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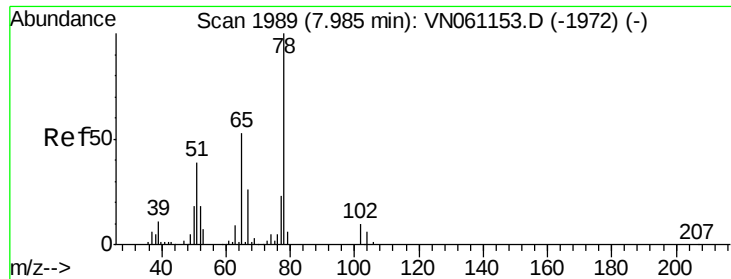
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 16.987 ug/l
RT: 7.53 min Scan# 1846
Delta R.T. -0.00 min
Lab File: VN061224.D
Acq: 1 May 2020 12:48

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.6	51.3	76.9
61	48.6	38.6	57.8





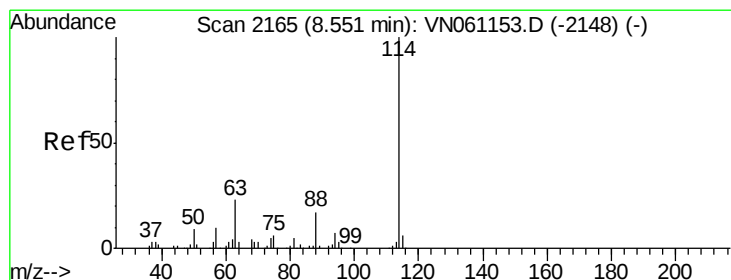
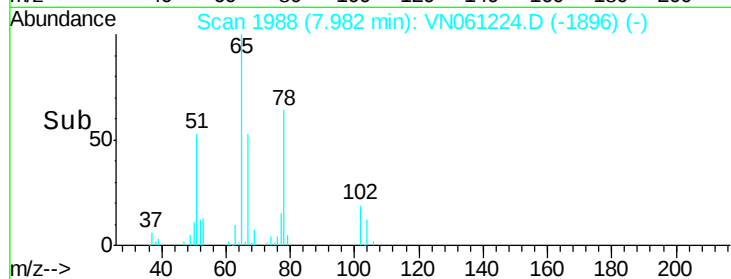
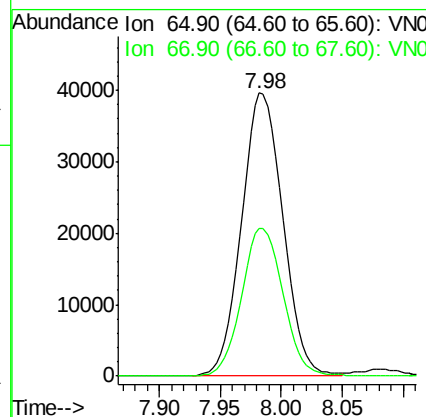
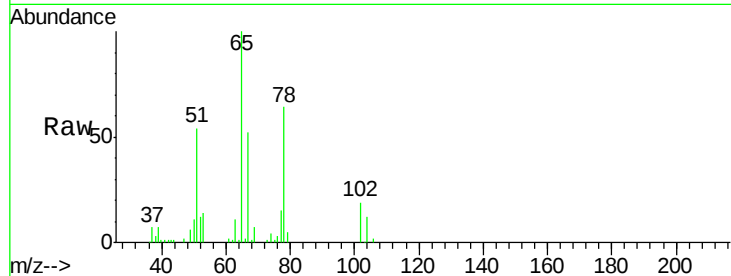
#33
 1,2-Dichloroethane-d4
 Concen: 49.071 ug/l
 RT: 7.98 min Scan# 1988
 Delta R.T. -0.00 min
 Lab File: VN061224.D
 Acq: 1 May 2020 12:48

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0501MBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	52.2	0.0	101.6	

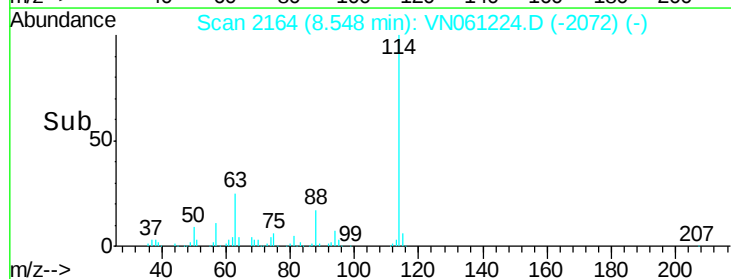
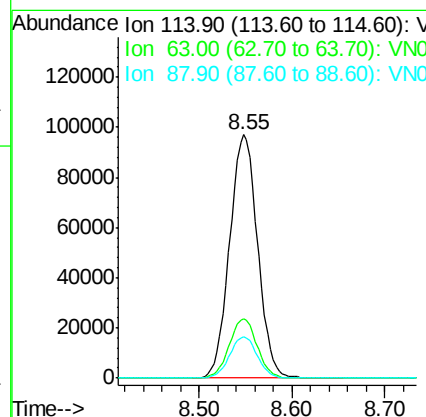
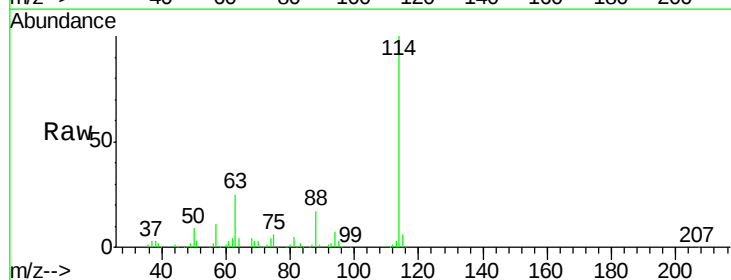
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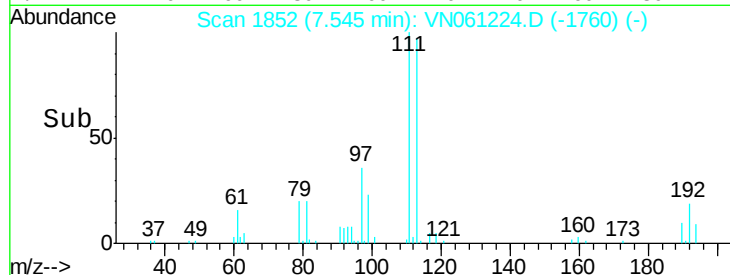
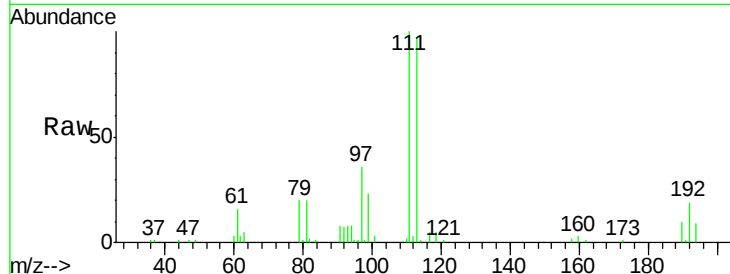
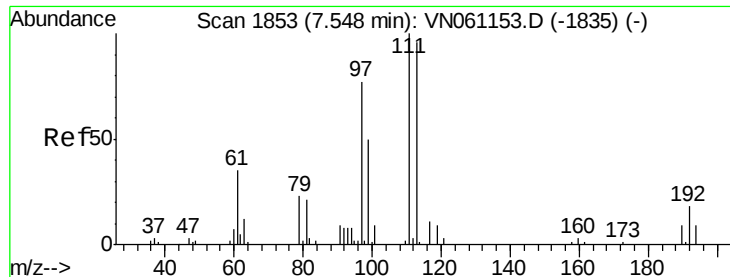
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2164
 Delta R.T. -0.00 min
 Lab File: VN061224.D
 Acq: 1 May 2020 12:48

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	24.5	0.0	46.6	
88	16.8	0.0	33.4	





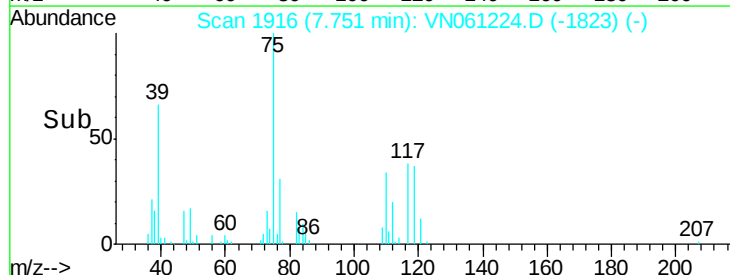
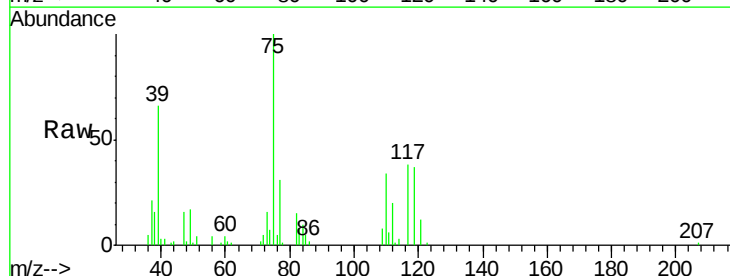
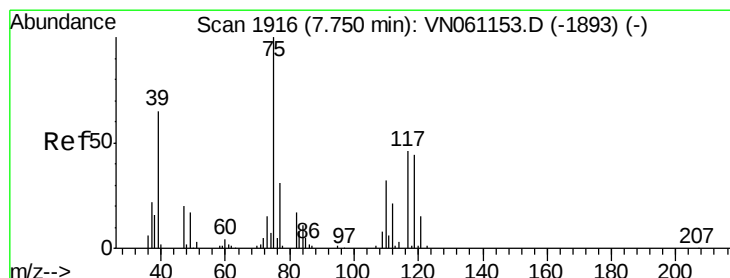
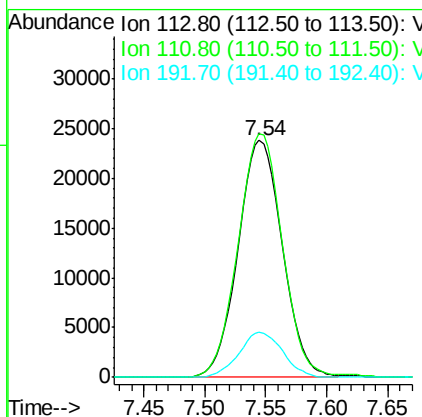
#35
Dibromofluoromethane
Concen: 49.825 ug/l
RT: 7.54 min Scan# 1852
Delta R.T. -0.00 min
Lab File: VN061224.D
Acq: 1 May 2020 12:48

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	102.6	82.9	124.3	
192	18.8	14.7	22.1	

Instrument :
MSVOA_N
ClientSampleId :
VN0501MBS01

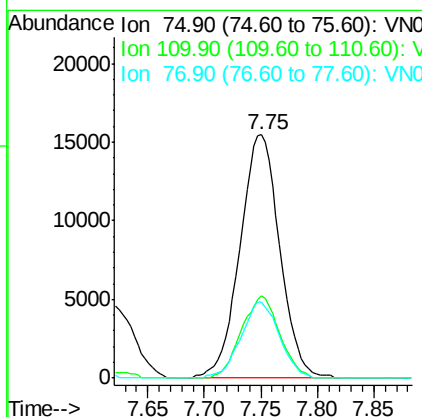
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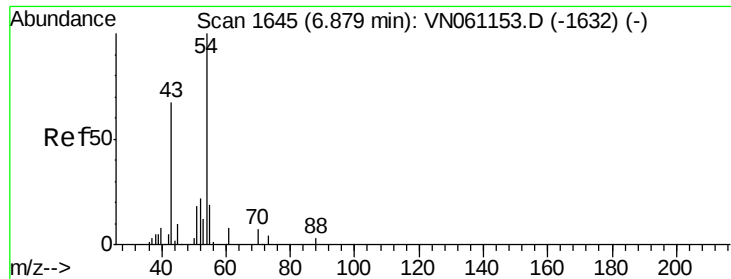
MMDadoda
5/4/2020 2:57:59 PM



#36
1,1-Dichloropropene
Concen: 18.571 ug/l
RT: 7.75 min Scan# 1916
Delta R.T. 0.00 min
Lab File: VN061224.D
Acq: 1 May 2020 12:48

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	32.3	16.0	48.0	
77	30.3	24.6	37.0	





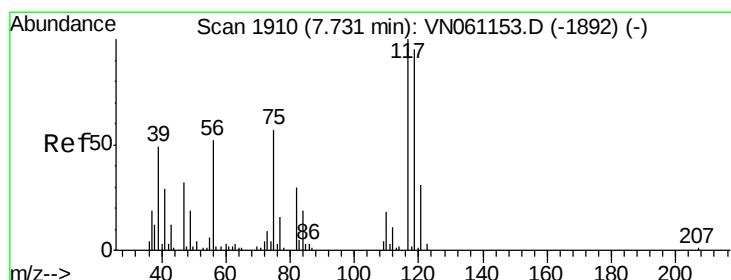
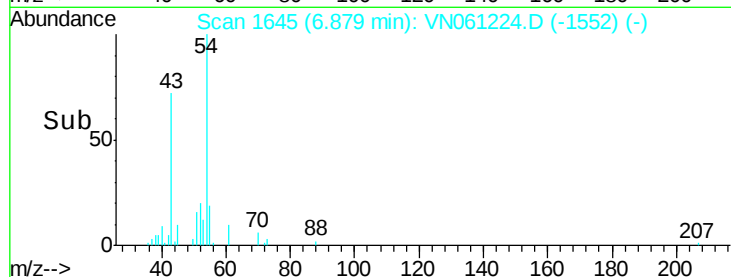
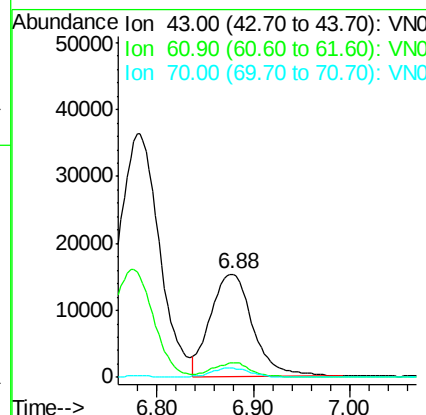
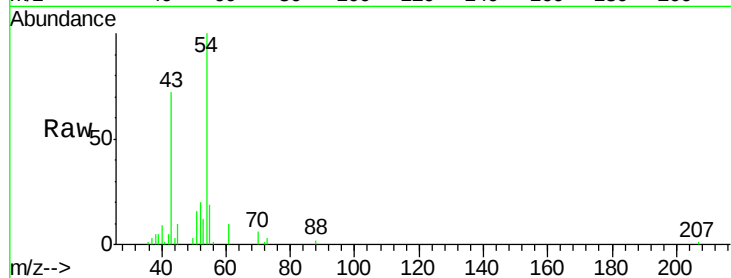
#37
Ethyl Acetate
Concen: 19.416 ug/l
RT: 6.88 min Scan# 1645
Delta R.T. 0.00 min
Lab File: VN061224.D
Acq: 1 May 2020 12:48

Instrument :
MSVOA_N
ClientSampleId :
VN0501MBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.1	10.2	15.2
70	8.3	7.2	10.8

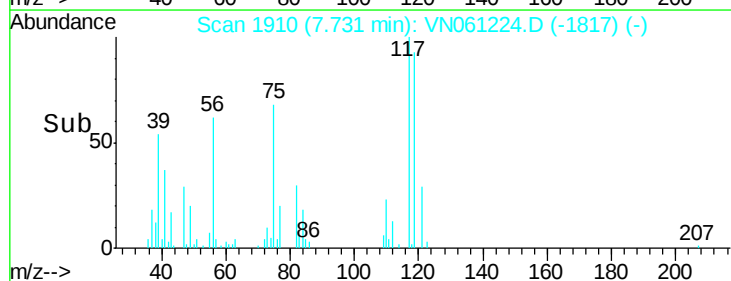
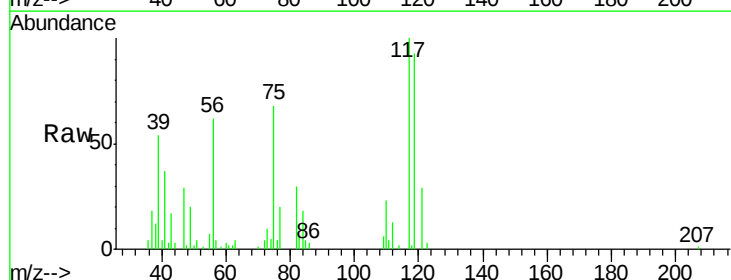
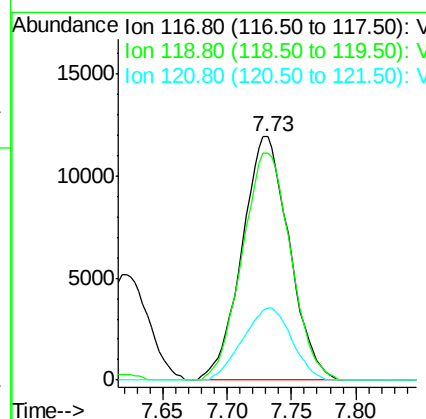
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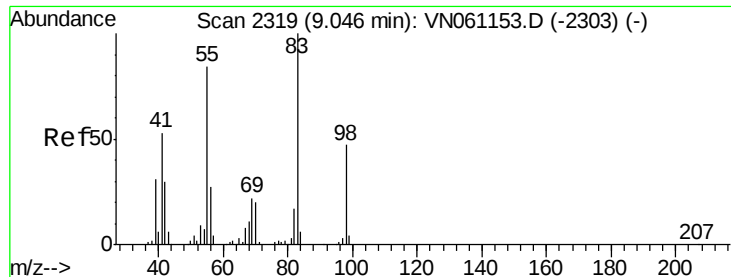
MMDadoda
5/4/2020 2:57:59 PM



#38
Carbon Tetrachloride
Concen: 17.922 ug/l
RT: 7.73 min Scan# 1910
Delta R.T. 0.00 min
Lab File: VN061224.D
Acq: 1 May 2020 12:48

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.3	75.8	113.6
121	29.4	24.7	37.1





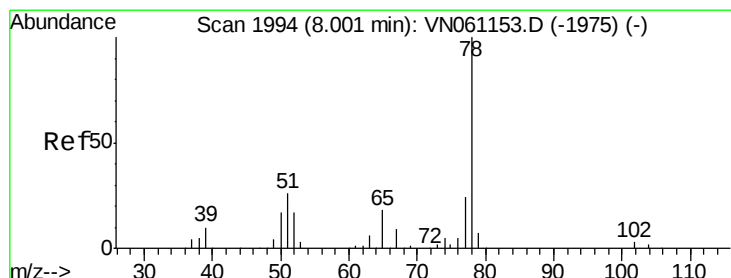
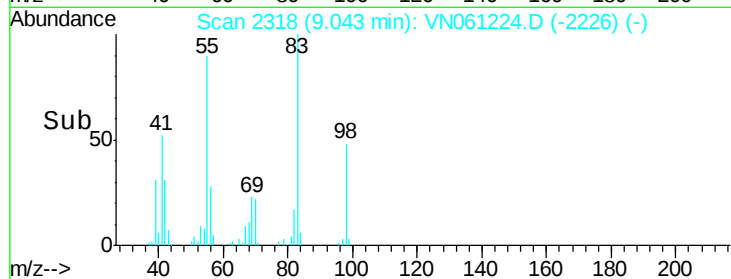
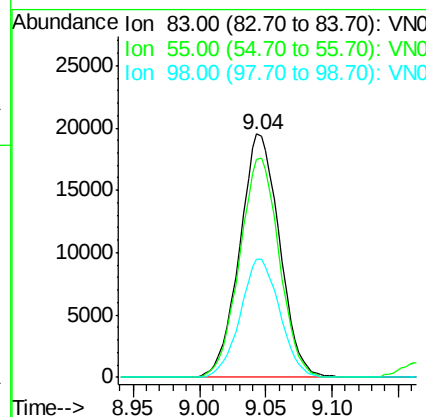
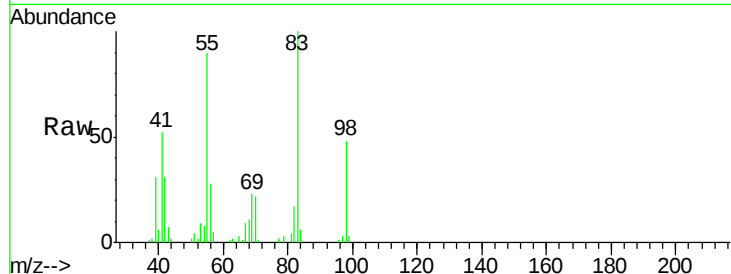
#39
Methvlcvclohexane
Concen: 17.835 ug/l
RT: 9.04 min Scan# 2318
Delta R.T. -0.00 min
Lab File: VN061224.D
Acq: 1 May 2020 12:48

Instrument :
MSVOA_N
ClientSampleId :
VN0501MBS01

Tot Ion	83	Resp	40702
Ion Ratio	Lower	Upper	
83	100		
55	89.6	67.3	100.9
98	48.4	37.7	56.5

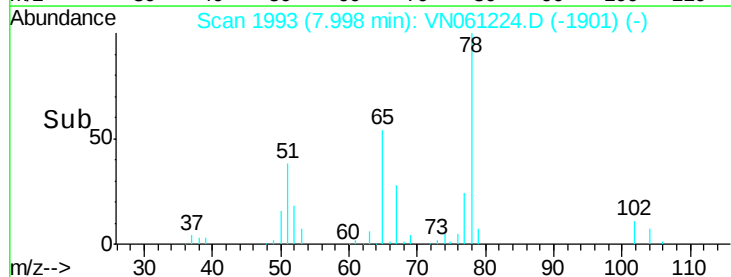
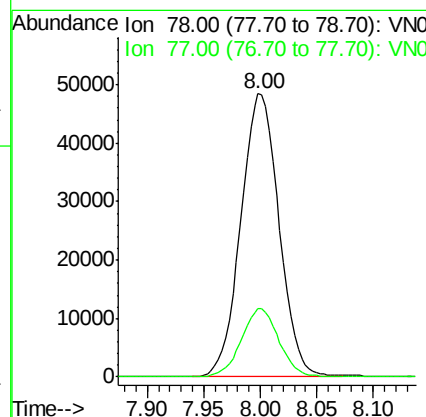
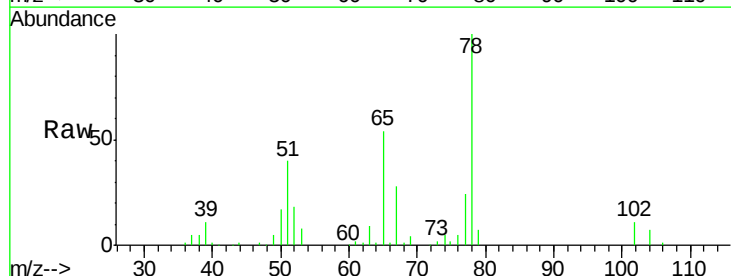
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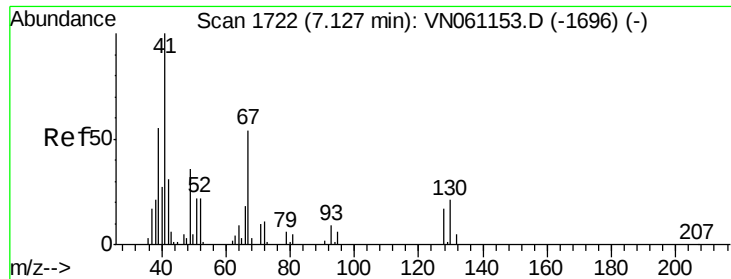
MMDadoda
5/4/2020 2:57:59 PM



#40
Benzene
Concen: 18.771 ug/l
RT: 8.00 min Scan# 1993
Delta R.T. -0.00 min
Lab File: VN061224.D
Acq: 1 May 2020 12:48

Tgt Ion	78	Resp	113801
Ion Ratio	Lower	Upper	
78	100		
77	24.0	19.0	28.6





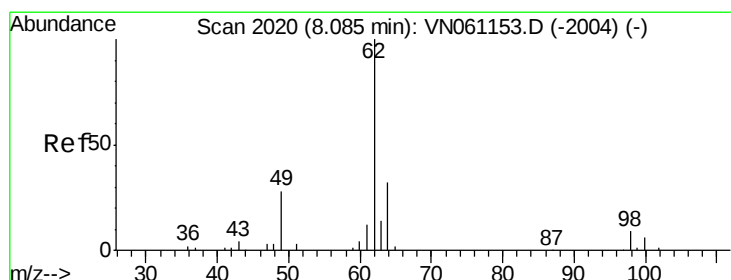
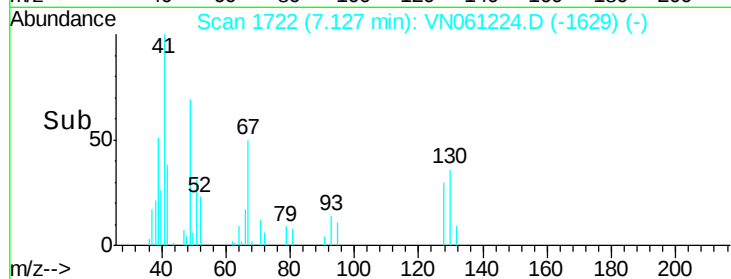
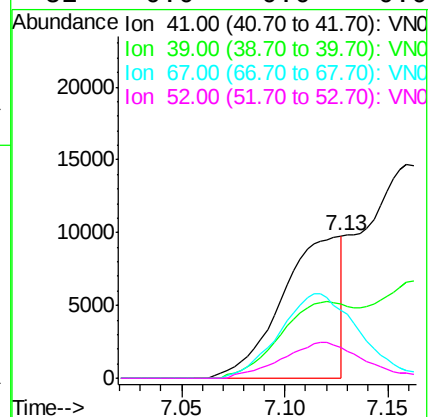
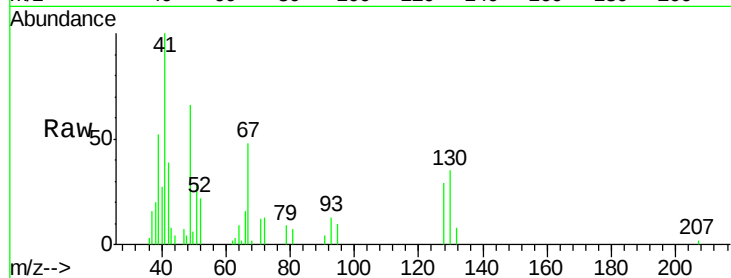
#41
Methacrylonitrile
Concen: 19.633 ug/l m
RT: 7.13 min Scan# 1722
Delta R.T. 0.00 min
Lab File: VN061224.D
Acq: 1 May 2020 12:48

Instrument :
MSVOA_N
ClientSampleId :
VN0501MBS01

Tot Ion	41	Resp	19447
Ion Ratio	Lower	Upper	
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

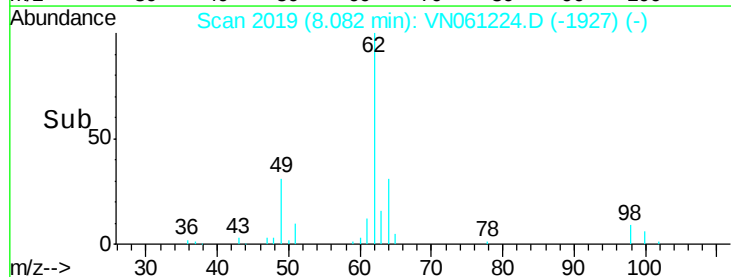
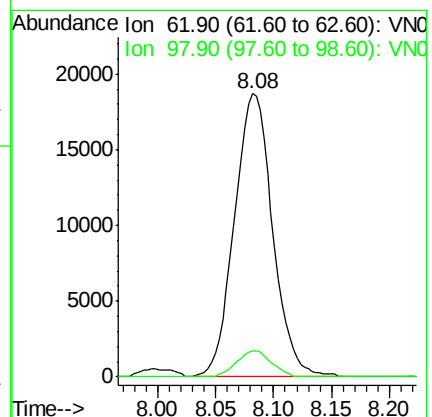
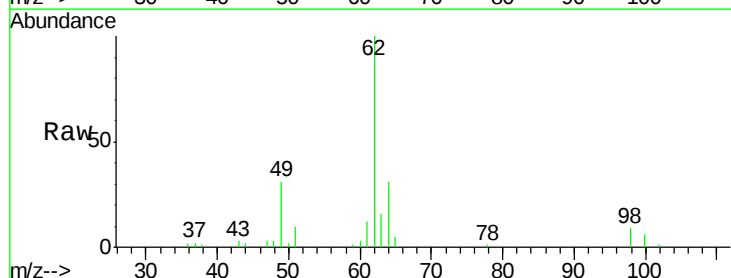
Manual Integrations
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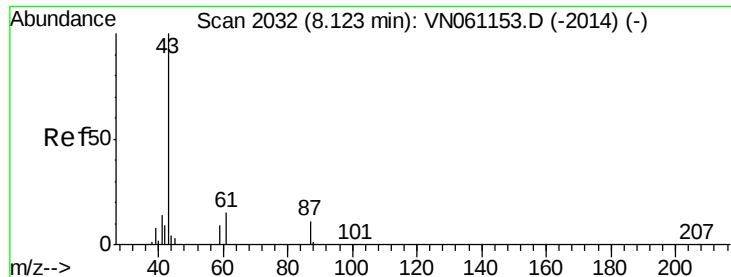
MMDadoda
5/4/2020 2:57:59 PM



#42
1,2-Dichloroethane
Concen: 18.647 ug/l
RT: 8.08 min Scan# 2019
Delta R.T. -0.00 min
Lab File: VN061224.D
Acq: 1 May 2020 12:48

Tgt Ion	62	Resp	42828
Ion Ratio	Lower	Upper	
62	100		
98	8.4	0.0	16.8





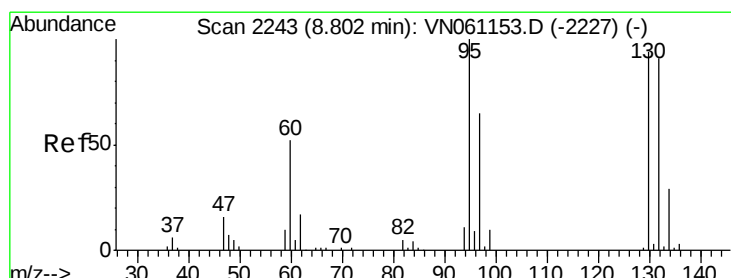
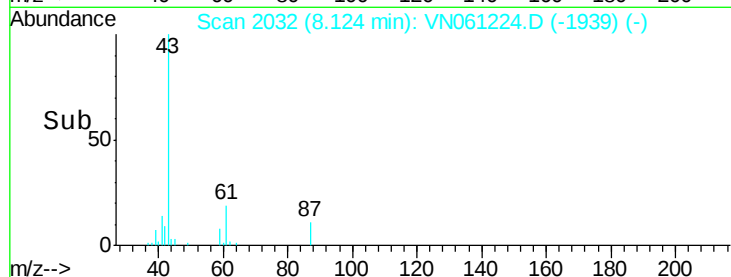
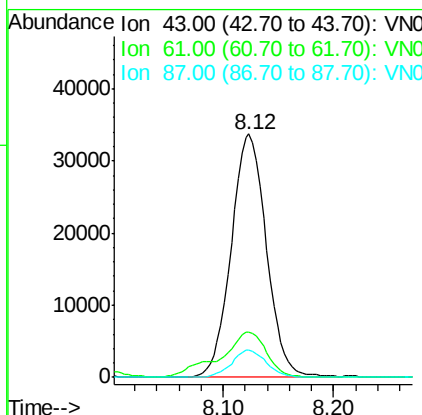
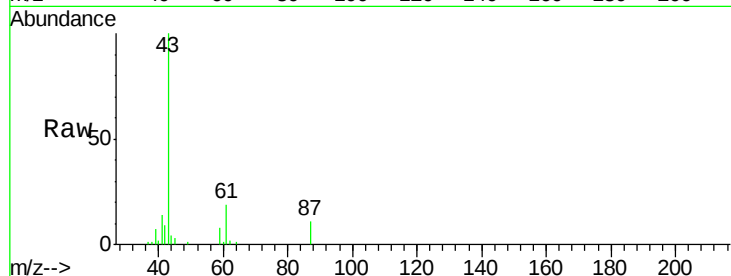
#43
Isopropyl Acetate
Concen: 18.877 ug/l
RT: 8.12 min Scan# 2032
Delta R.T. 0.00 min
Lab File: VN061224.D
Acq: 1 May 2020 12:48

Instrument :
MSVOA_N
ClientSampleId :
VN0501MBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	24.7	19.5	29.3
87	10.9	8.9	13.3

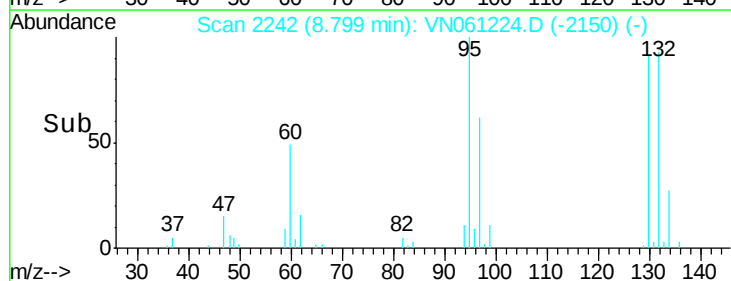
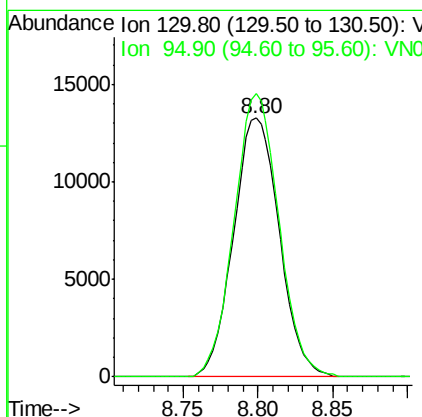
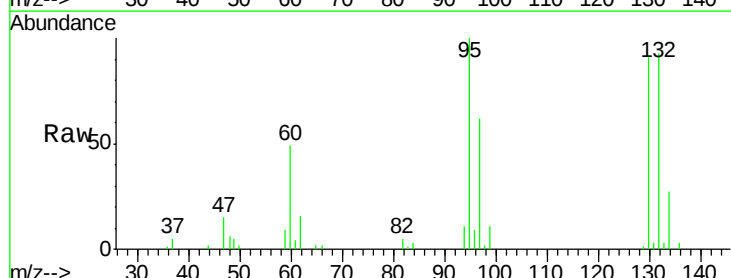
Manual Integrations
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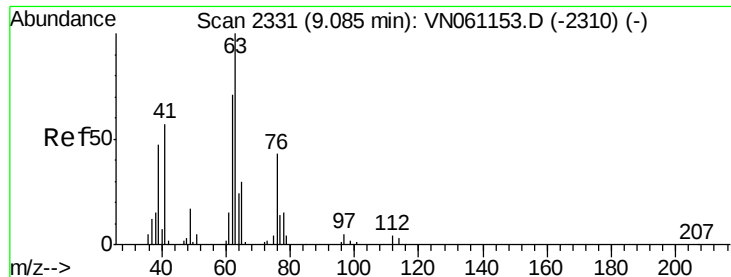
MMDadoda
5/4/2020 2:57:59 PM



#44
Trichloroethene
Concen: 17.257 ug/l
RT: 8.80 min Scan# 2242
Delta R.T. -0.00 min
Lab File: VN061224.D
Acq: 1 May 2020 12:48

Tgt Ion	Ratio	Lower	Upper
130	100		
95	109.5	0.0	212.4





#45

1,2-Dichloropropane

Concen: 19.682 ug/l

RT: 9.08 min Scan# 2330

Delta R.T. -0.00 min

Lab File: VN061224.D

Acq: 1 May 2020 12:48

Instrument :

MSVOA_N

ClientSampleId :

VN0501MBS01

Tot Ion: 63 Resp: 31879

Ion Ratio Lower Upper

63 100

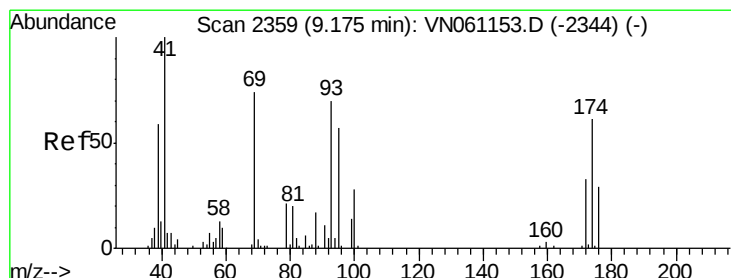
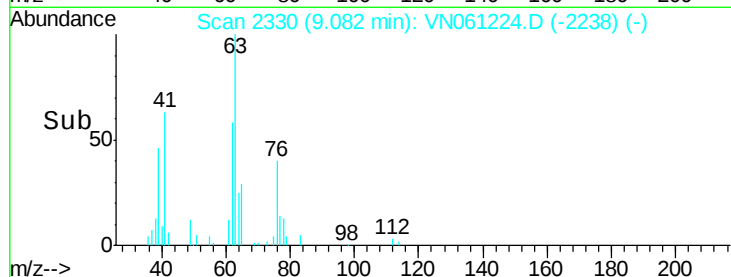
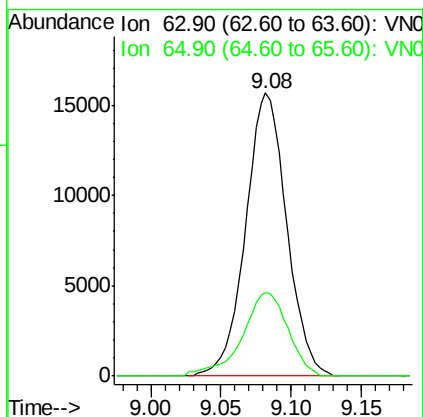
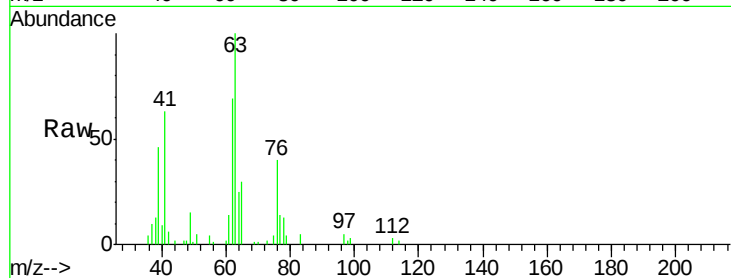
65 29.5 24.7 37.1

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5/4/2020 2:57:59 PM



#46

Dibromomethane

Concen: 19.310 ug/l

RT: 9.17 min Scan# 2359

Delta R.T. 0.00 min

Lab File: VN061224.D

Acq: 1 May 2020 12:48

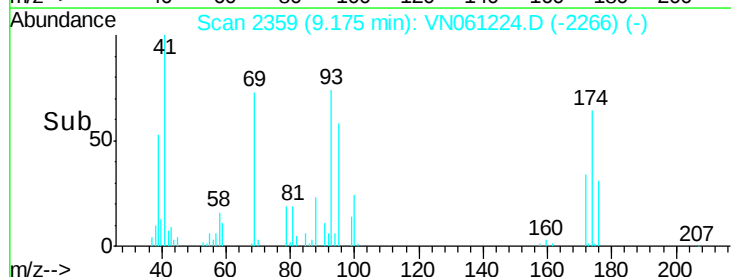
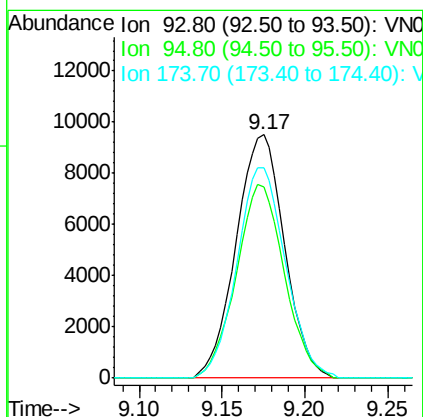
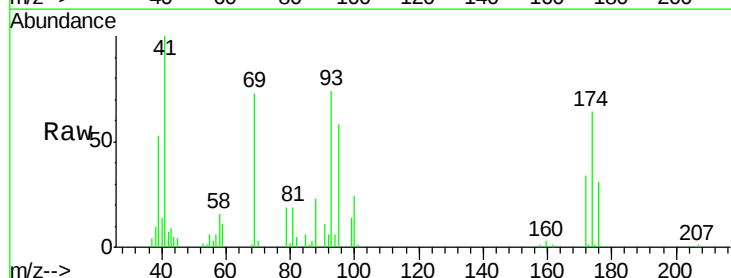
Tgt Ion: 93 Resp: 19366

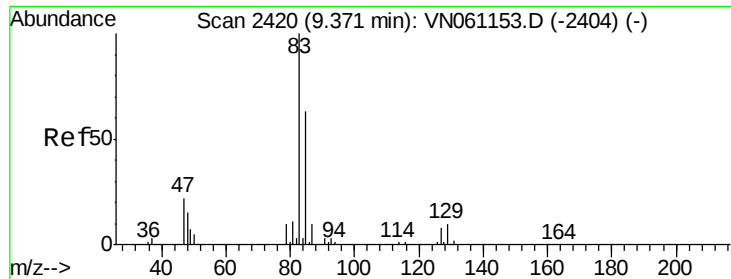
Ion Ratio Lower Upper

93 100

95 78.7 66.6 99.8

174 86.8 70.2 105.2





#47

Bromodichloromethane

Concen: 18.122 ug/l

RT: 9.37 min Scan# 2419

Delta R.T. -0.00 min

Lab File: VN061224.D

Acq: 1 May 2020 12:48

Instrument :

MSVOA_N

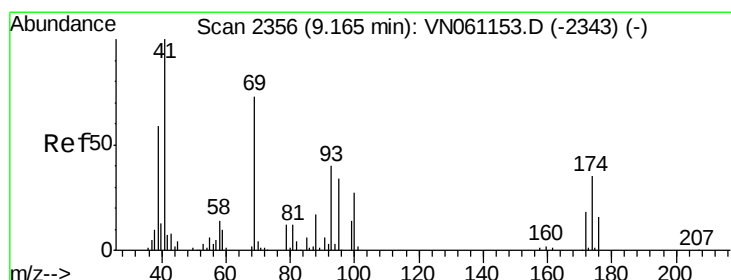
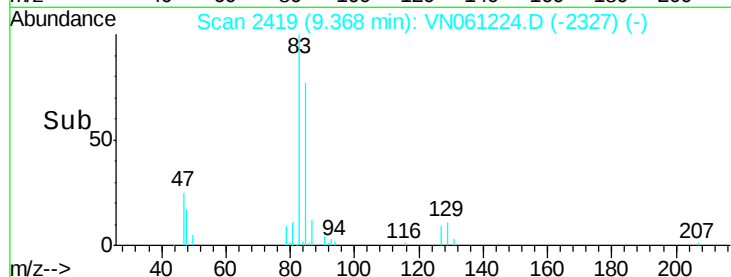
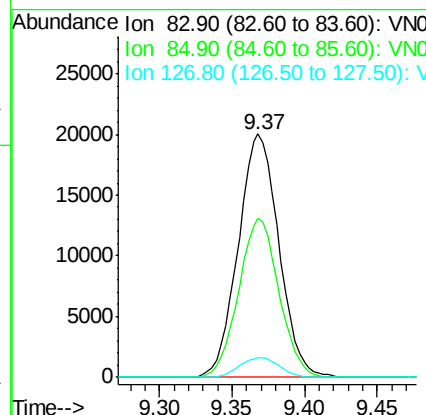
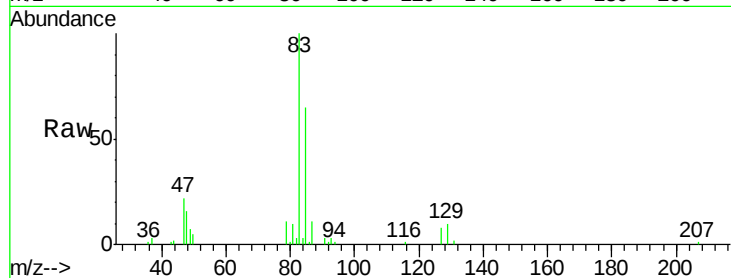
ClientSampleId :

VN0501MBS01

Tot Ion:	83	Resp:	39008
Ion	Ratio	Lower	Upper
83	100		
85	65.4	50.4	75.6
127	7.8	6.2	9.2

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#48

Methyl methacrylate

Concen: 19.113 ug/l

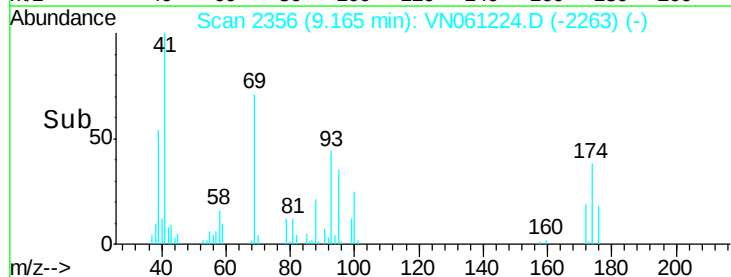
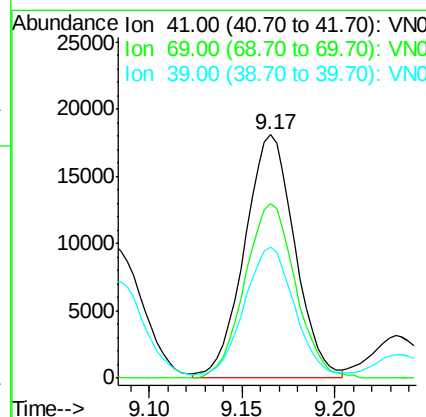
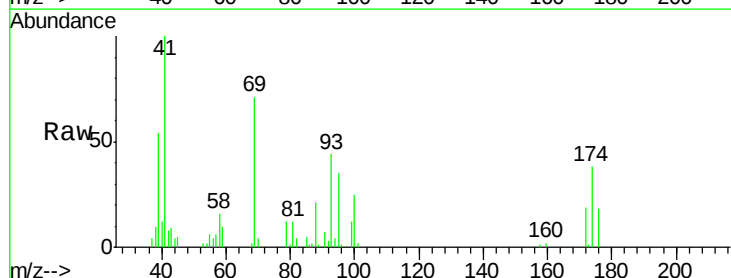
RT: 9.17 min Scan# 2356

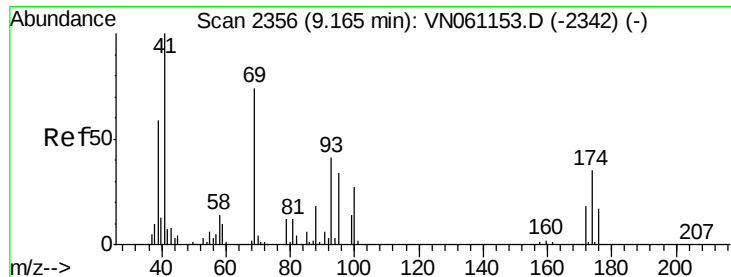
Delta R.T. 0.00 min

Lab File: VN061224.D

Acq: 1 May 2020 12:48

Tgt Ion:	41	Resp:	34148
Ion	Ratio	Lower	Upper
41	100		
69	71.9	60.3	90.5
39	51.7	47.4	71.0





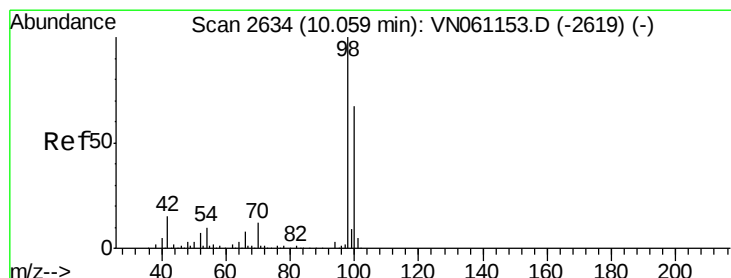
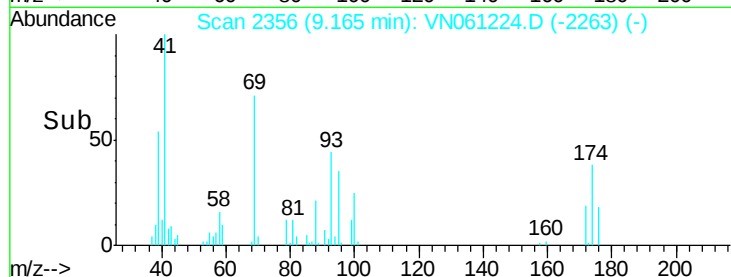
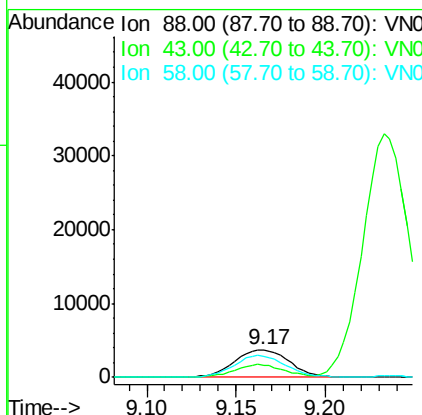
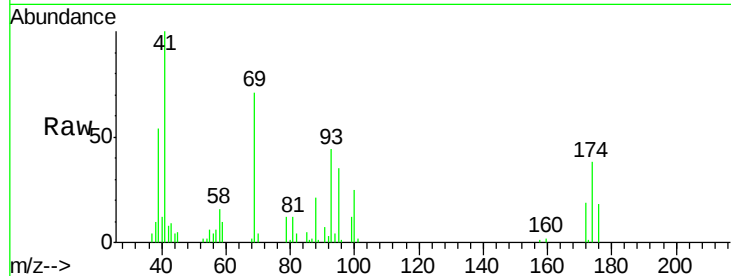
#49
1,4-Dioxane
Concen: 395.254 ug/l
RT: 9.17 min Scan# 2356
Delta R.T. 0.00 min
Lab File: VN061224.D
Acq: 1 May 2020 12:48

Instrument :
MSVOA_N
ClientSampleId :
VN0501MBS01

Tot Ion	88	Resp	8016
Ion	Ratio	Lower	Upper
88	100		
43	42.3	35.3	52.9
58	75.1	61.5	92.3

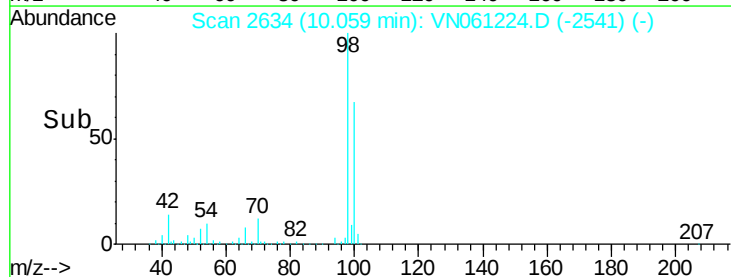
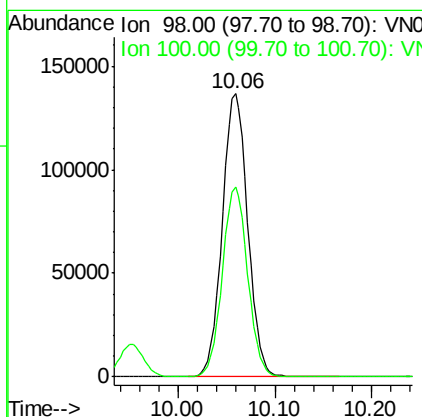
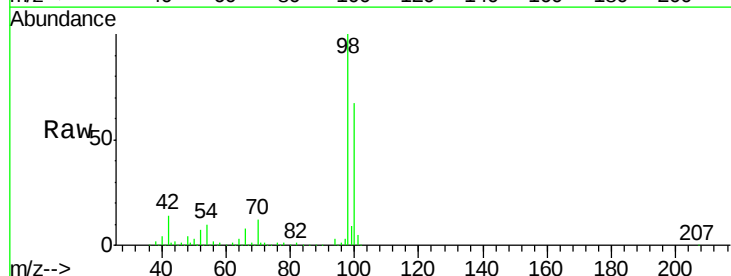
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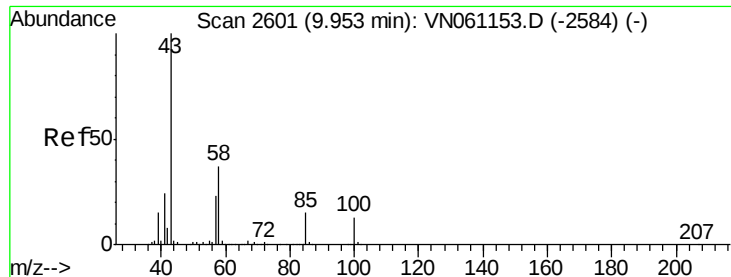
MMDadoda
5/4/2020 2:57:59 PM



#50
Toluene-d8
Concen: 51.076 ug/l
RT: 10.06 min Scan# 2634
Delta R.T. 0.00 min
Lab File: VN061224.D
Acq: 1 May 2020 12:48

Tgt Ion	98	Resp	250287
Ion	Ratio	Lower	Upper
98	100		
100	66.7	53.4	80.0





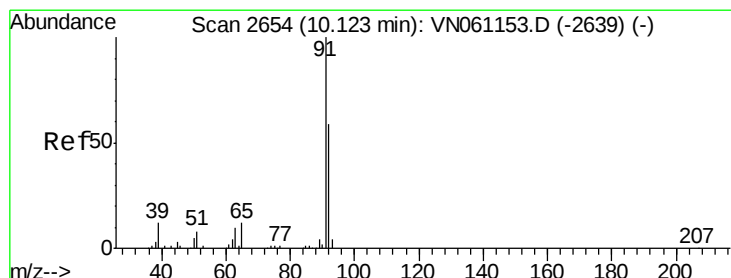
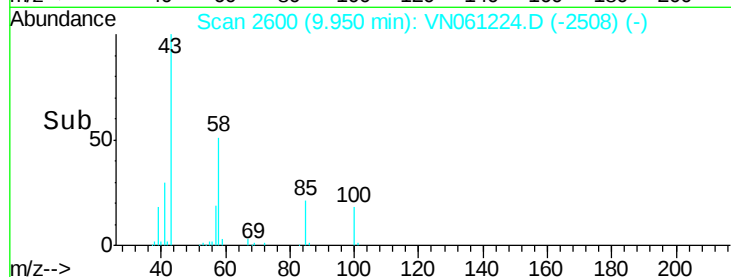
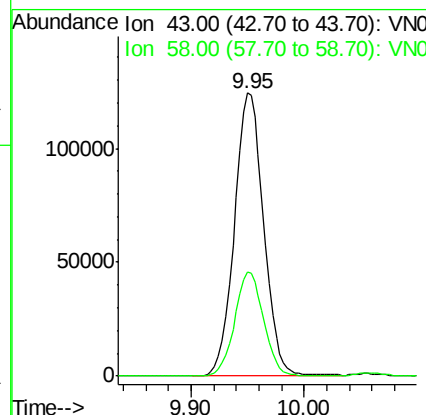
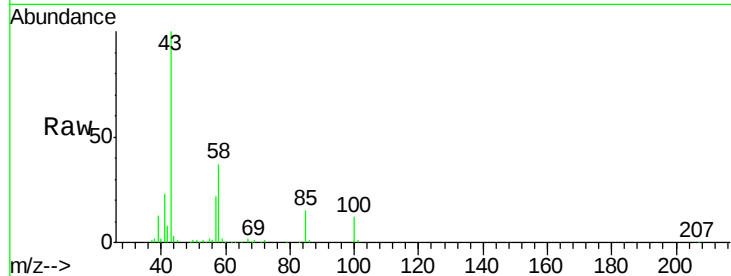
#51
 4-Methyl-2-Pentanone
 Concen: 96.094 ug/l
 RT: 9.95 min Scan# 2600
 Delta R.T. -0.00 min
 Lab File: VN061224.D
 Acq: 1 May 2020 12:48

Instrument :
 MSVOA_N
 ClientSampled :
 VN0501MBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	36.3	29.1	43.7

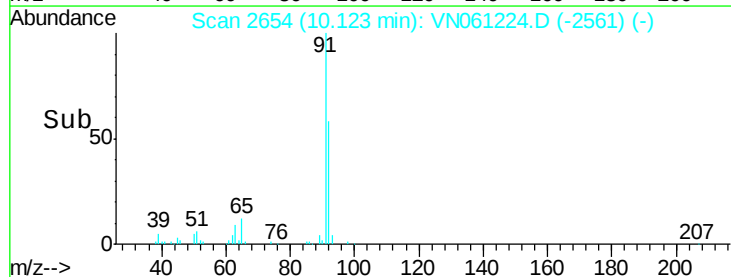
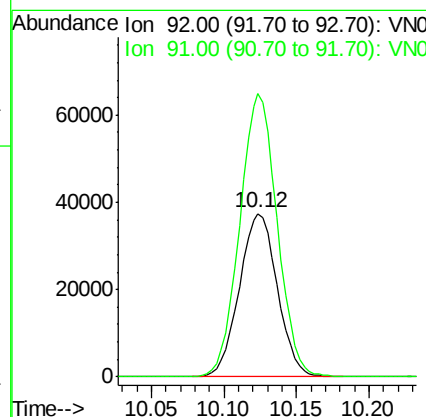
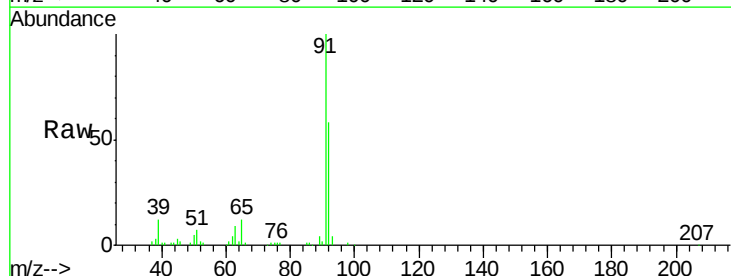
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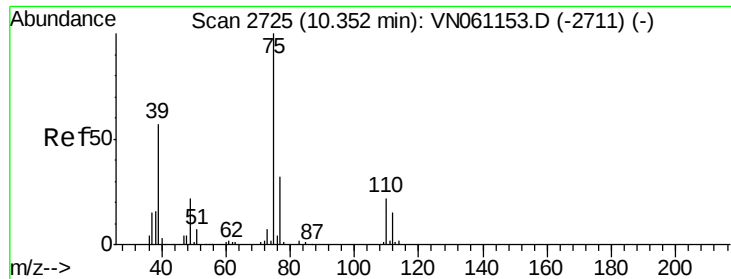
MMDadoda
 5/4/2020 2:57:59 PM



#52
 Toluene
 Concen: 18.653 ug/l
 RT: 10.12 min Scan# 2654
 Delta R.T. 0.00 min
 Lab File: VN061224.D
 Acq: 1 May 2020 12:48

Tgt Ion	Ratio	Lower	Upper
92	100		
91	170.6	136.2	204.2





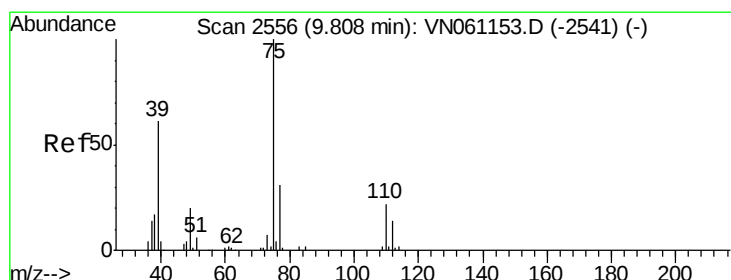
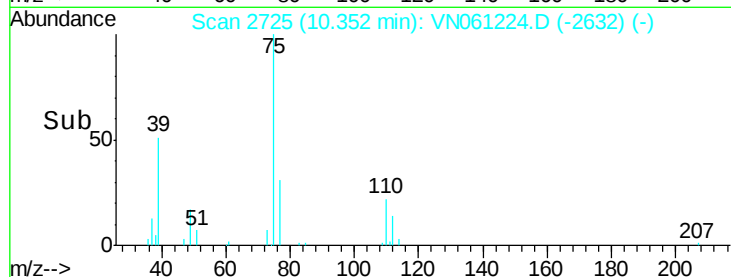
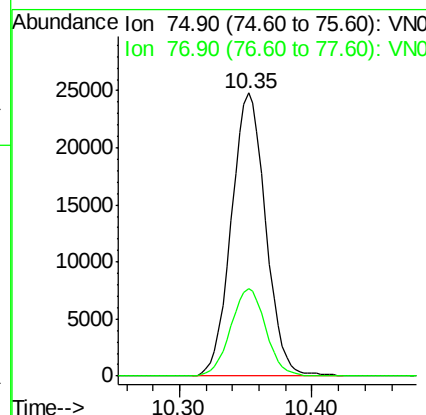
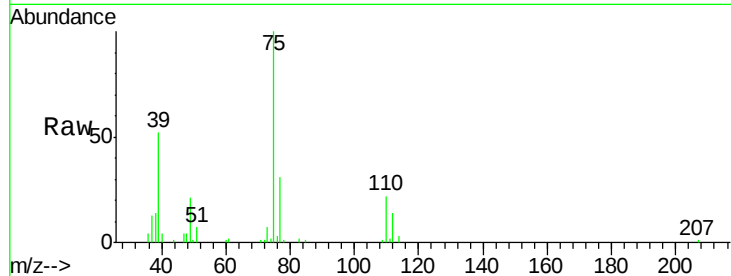
#53
t-1,3-Dichloropropene
Concen: 18.360 ug/l
RT: 10.35 min Scan# 2725
Delta R.T. 0.00 min
Lab File: VN061224.D
Acq: 1 May 2020 12:48

Instrument :
MSVOA_N
ClientSampleId :
VN0501MBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.9	25.5	38.3

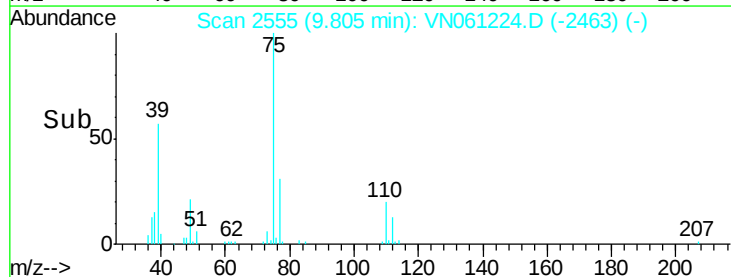
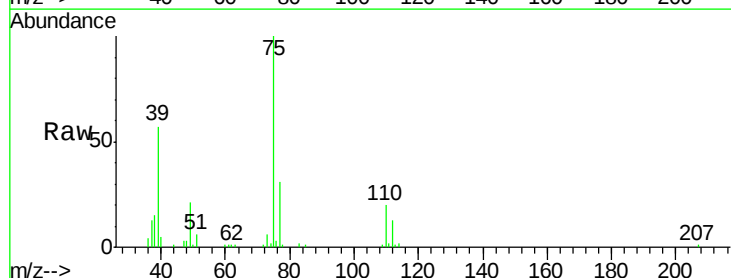
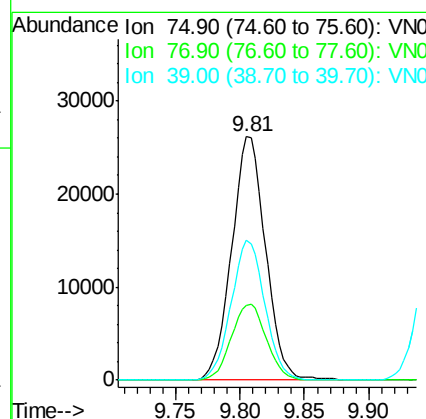
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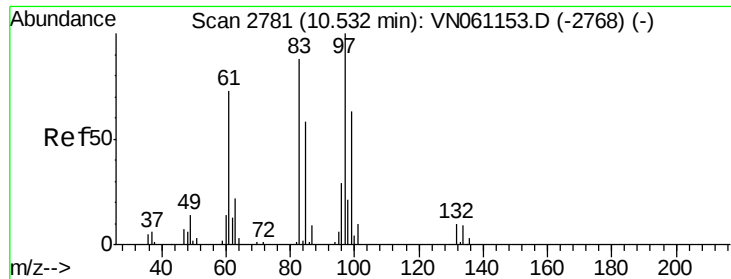
MMDadoda
5/4/2020 2:57:59 PM



#54
cis-1,3-Dichloropropene
Concen: 18.584 ug/l
RT: 9.81 min Scan# 2555
Delta R.T. -0.00 min
Lab File: VN061224.D
Acq: 1 May 2020 12:48

Tgt Ion	Ratio	Lower	Upper
75	100		
77	30.9	25.0	37.4
39	57.2	48.7	73.1





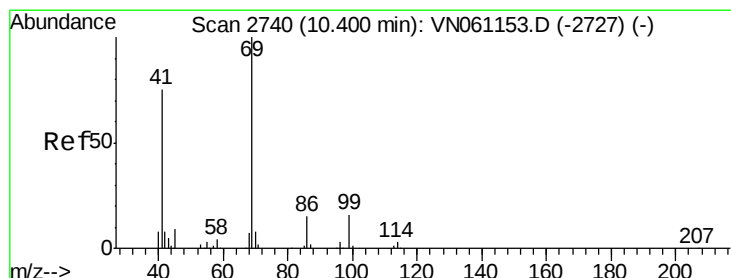
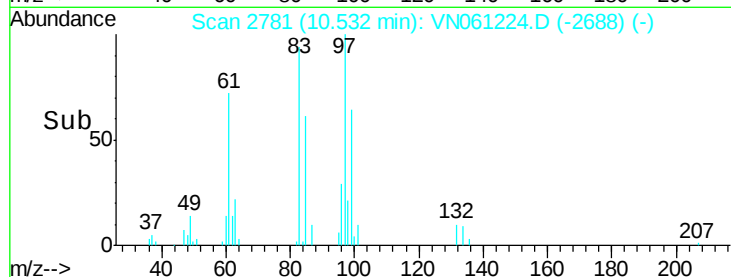
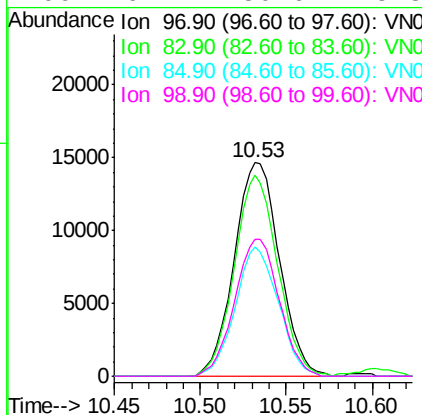
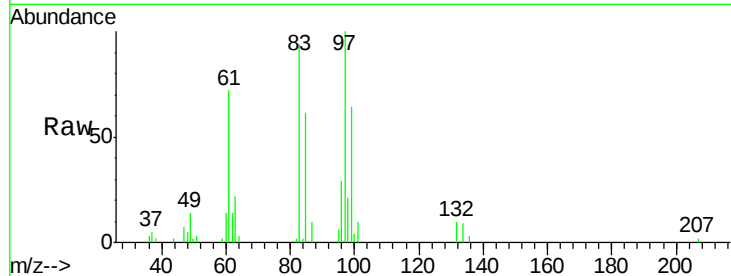
#55
 1,1,2-Trichloroethane
 Concen: 18.436 ug/l
 RT: 10.53 min Scan# 2781
 Delta R.T. 0.00 min
 Lab File: VN061224.D
 Acq: 1 May 2020 12:48

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0501MBS01

Tot Ion	Ratio	Lower	Upper
97	100		
83	93.9	70.6	106.0
85	60.8	46.4	69.6
99	64.1	50.6	75.8

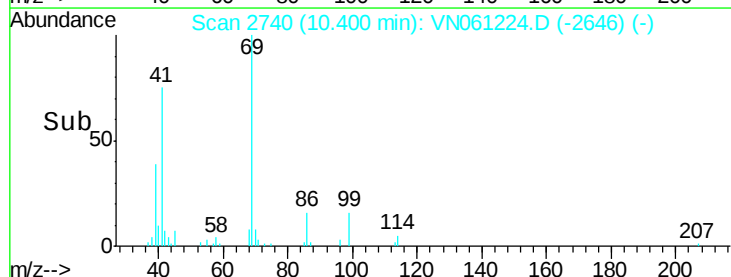
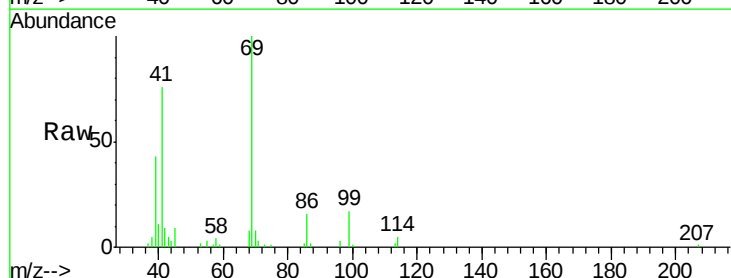
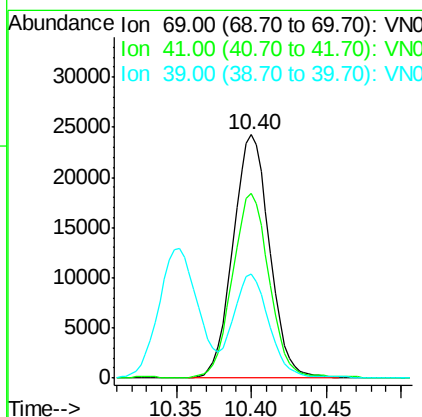
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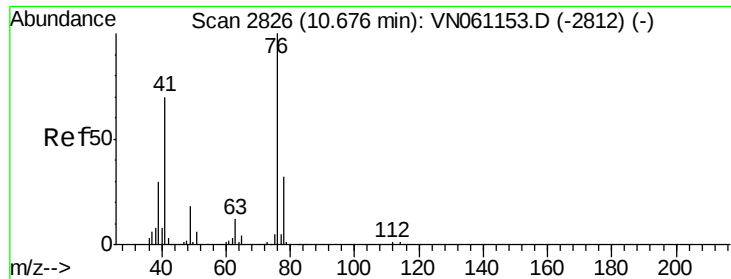
MMDadoda
 5/4/2020 2:57:59 PM



#56
 Ethyl methacrylate
 Concen: 18.094 ug/l
 RT: 10.40 min Scan# 2740
 Delta R.T. 0.00 min
 Lab File: VN061224.D
 Acq: 1 May 2020 12:48

Tgt Ion	Ratio	Lower	Upper
69	100		
41	77.3	60.3	90.5
39	40.8	35.9	53.9





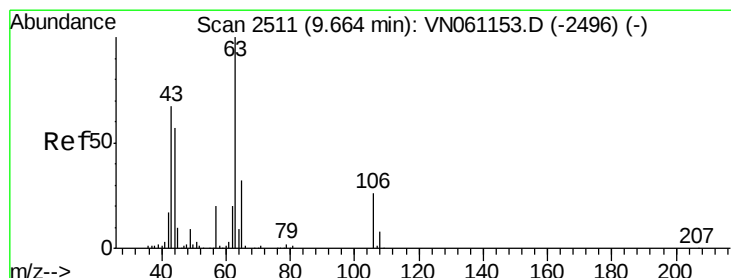
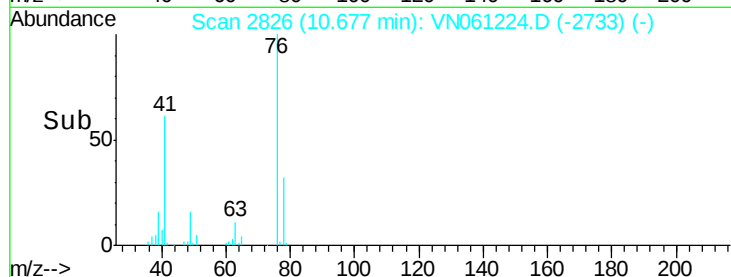
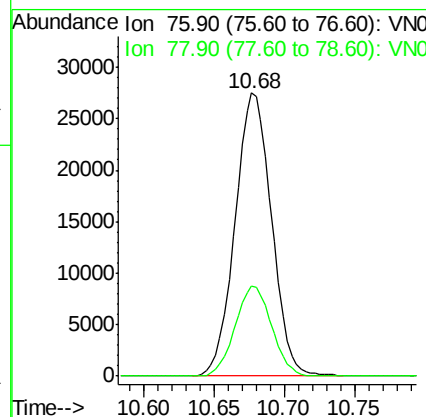
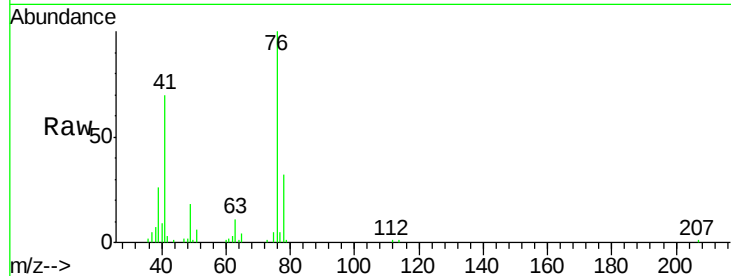
#57
 1,3-Dichloropropane
 Concen: 19.454 ug/l
 RT: 10.68 min Scan# 2826
 Delta R.T. 0.00 min
 Lab File: VN061224.D
 Acq: 1 May 2020 12:48

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0501MBS01

Tot Ion: 76 Resp: 49808
 Ion Ratio Lower Upper
 76 100
 78 31.8 25.5 38.3

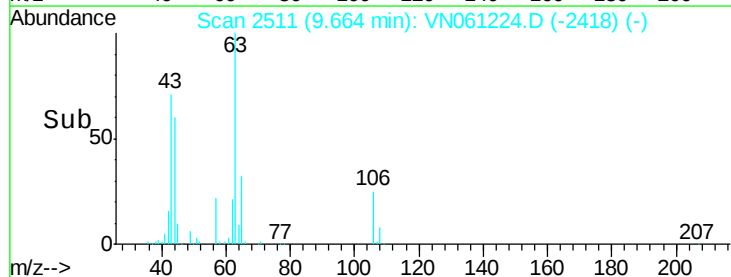
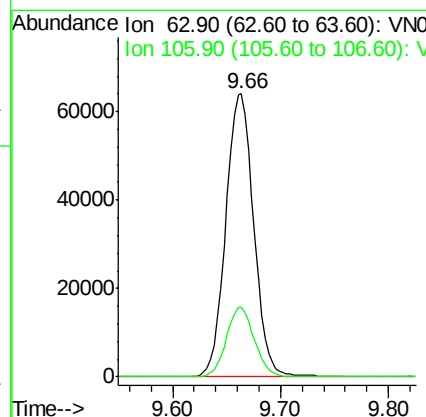
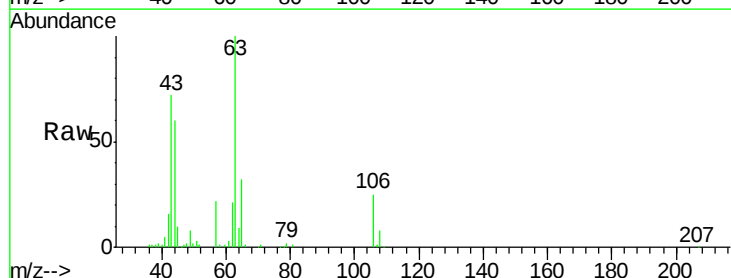
Manual Integrations
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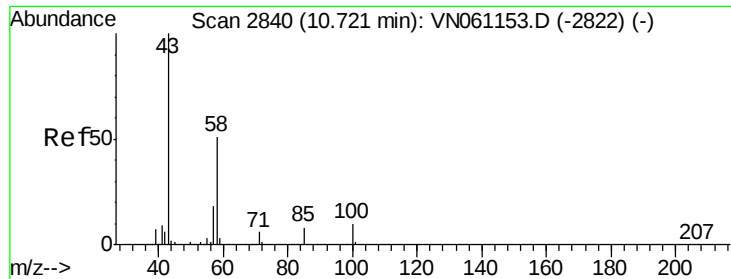
MMDadoda
 5/4/2020 2:57:59 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 98.039 ug/l
 RT: 9.66 min Scan# 2511
 Delta R.T. 0.00 min
 Lab File: VN061224.D
 Acq: 1 May 2020 12:48

Tgt Ion: 63 Resp: 115590
 Ion Ratio Lower Upper
 63 100
 106 24.7 20.6 30.8





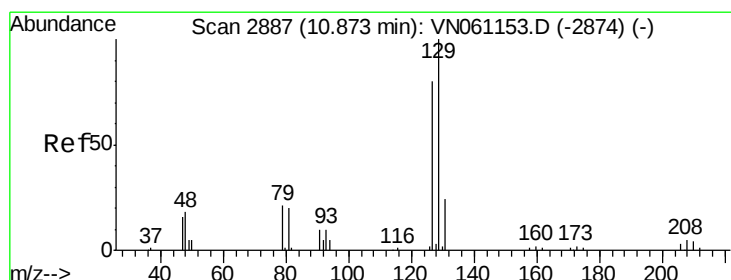
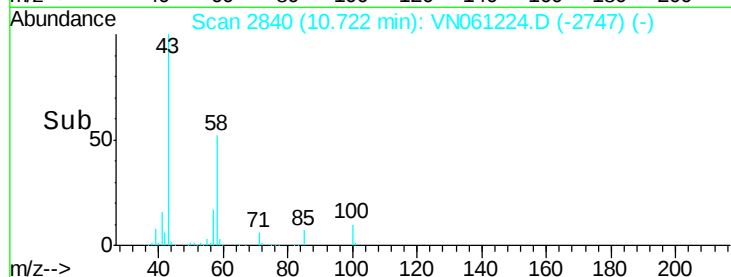
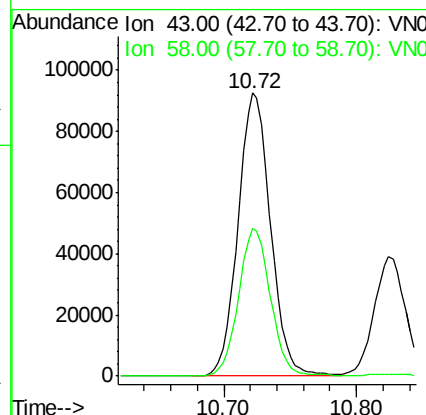
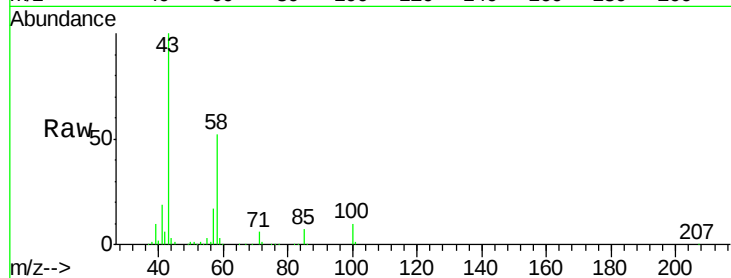
#59
2-Hexanone
Concen: 92.799 ug/l
RT: 10.72 min Scan# 2840
Delta R.T. 0.00 min
Lab File: VN061224.D
Acq: 1 May 2020 12:48

Instrument :
MSVOA_N
ClientSampleId :
VN0501MBS01

Tot Ion: 43 Resp: 157341
Ion Ratio Lower Upper
43 100
58 51.4 25.4 76.4

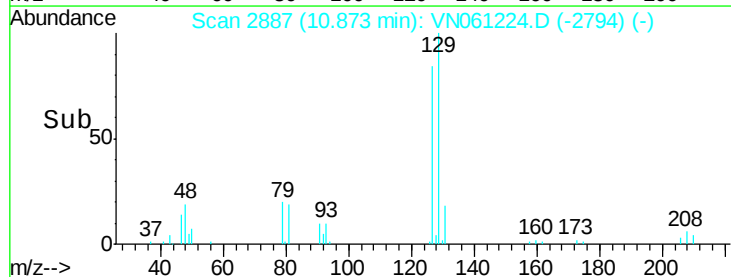
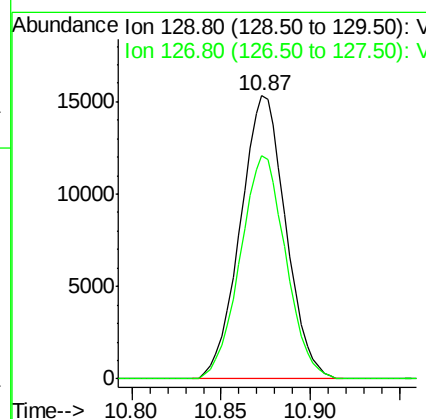
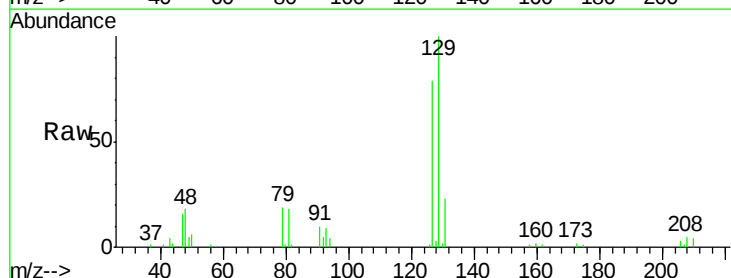
Manual Integrations
APPROVED

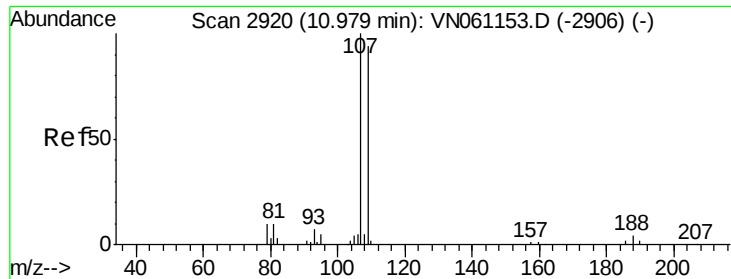
MMDadoda
5/4/2020 2:57:59 PM



#60
Dibromochloromethane
Concen: 17.893 ug/l
RT: 10.87 min Scan# 2887
Delta R.T. 0.00 min
Lab File: VN061224.D
Acq: 1 May 2020 12:48

Tgt Ion: 129 Resp: 27296
Ion Ratio Lower Upper
129 100
127 78.8 39.3 117.8





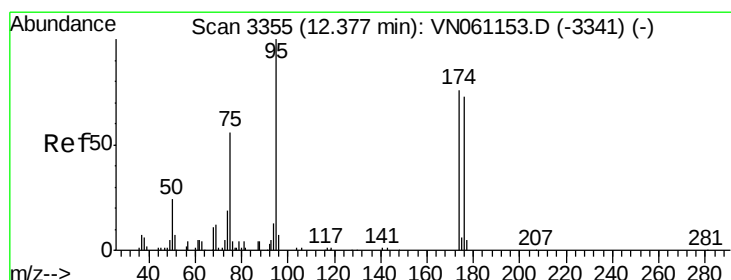
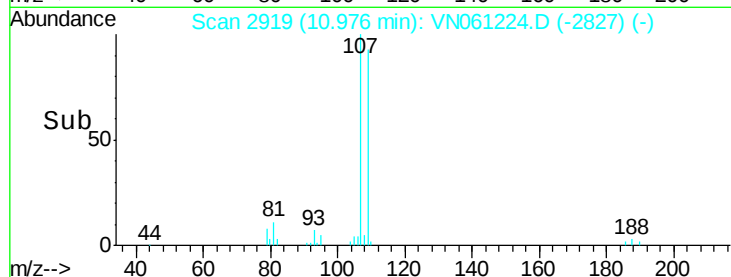
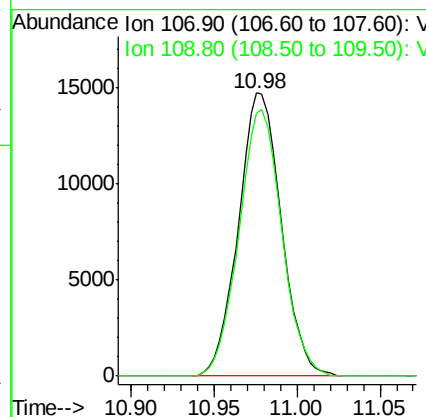
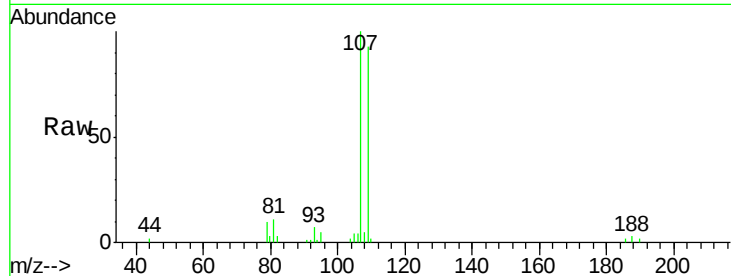
#61
 1,2-Dibromoethane
 Concen: 18.093 ug/l
 RT: 10.98 min Scan# 2919
 Delta R.T. -0.00 min
 Lab File: VN061224.D
 Acq: 1 May 2020 12:48

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0501MBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.2	74.8	112.2

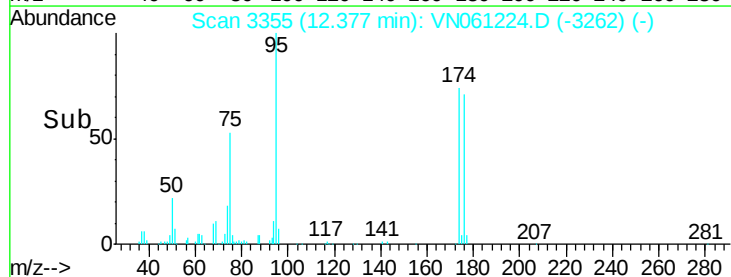
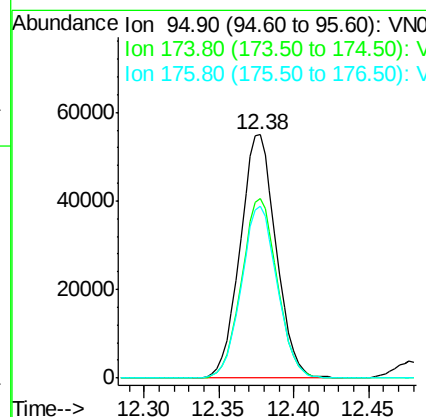
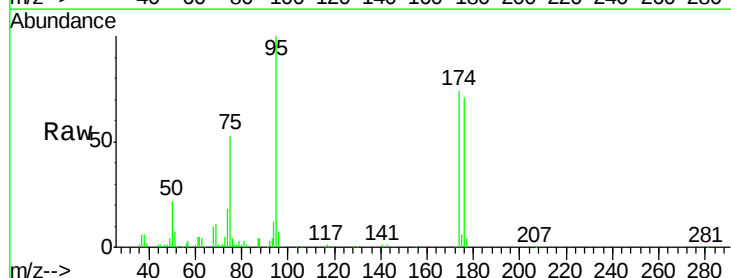
Manual Integrations
 APPROVED

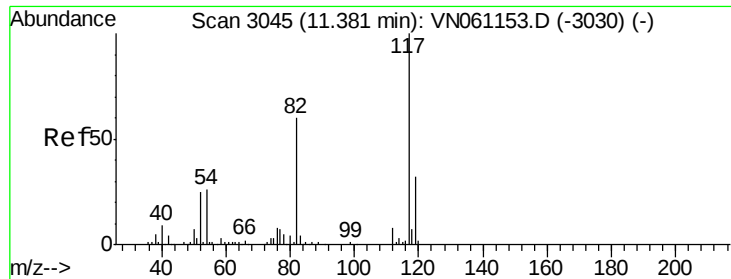
MMDadoda
 5/4/2020 2:57:59 PM



#62
 4-Bromofluorobenzene
 Concen: 49.790 ug/l
 RT: 12.38 min Scan# 3355
 Delta R.T. 0.00 min
 Lab File: VN061224.D
 Acq: 1 May 2020 12:48

Tgt Ion	Ratio	Lower	Upper
95	100		
174	73.1	0.0	149.4
176	70.4	0.0	144.8





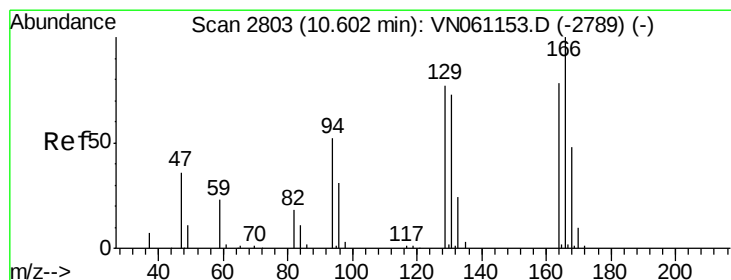
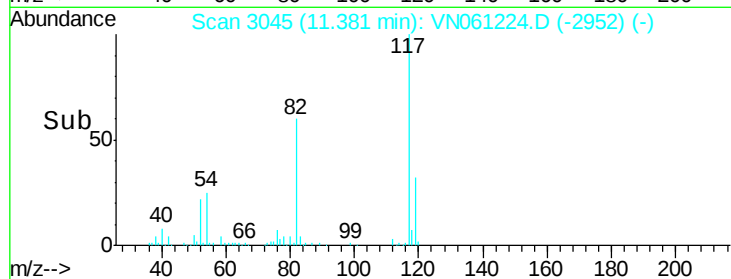
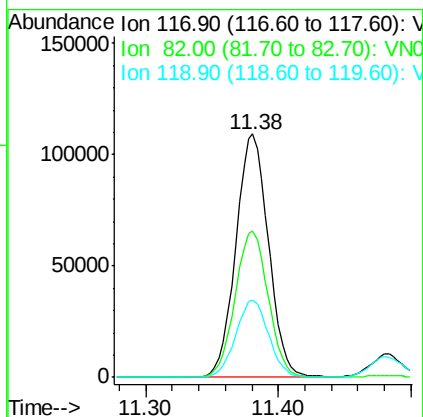
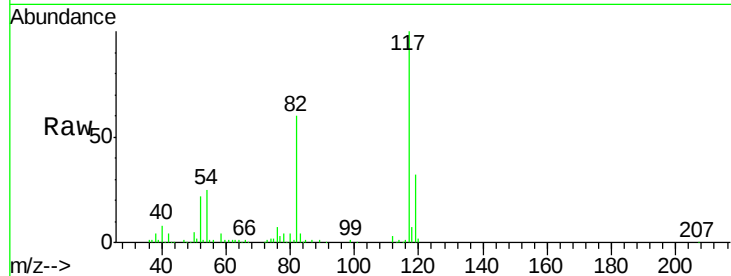
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 3045
Delta R.T. 0.00 min
Lab File: VN061224.D
Acq: 1 May 2020 12:48

Instrument :
MSVOA_N
ClientSampleId :
VN0501MBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	186489		
82	59.9	47.8	71.8	
119	31.9	25.8	38.6	

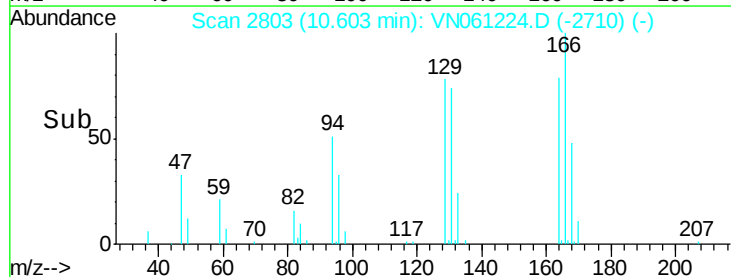
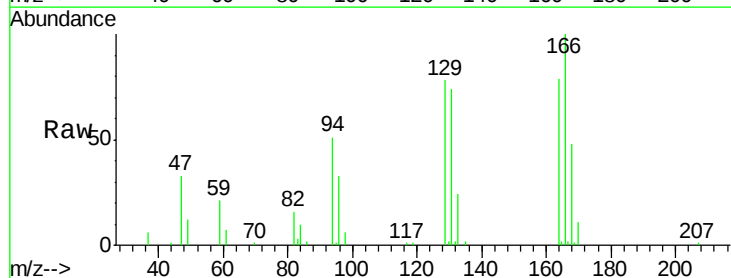
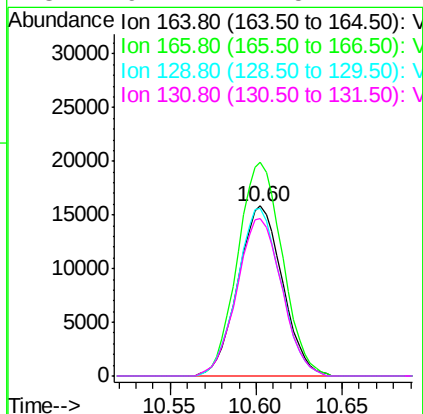
Manual Integrations
APPROVED

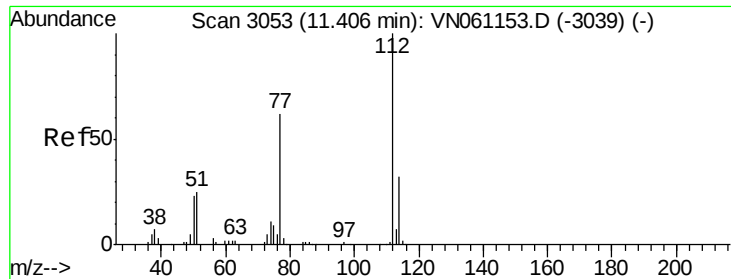
MMDadoda
5/4/2020 2:57:59 PM



#64
Tetrachloroethene
Concen: 17.555 ug/l
RT: 10.60 min Scan# 2803
Delta R.T. 0.00 min
Lab File: VN061224.D
Acq: 1 May 2020 12:48

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	28355		
166	125.8	102.0	153.0	
129	98.8	78.2	117.2	
131	92.7	74.5	111.7	





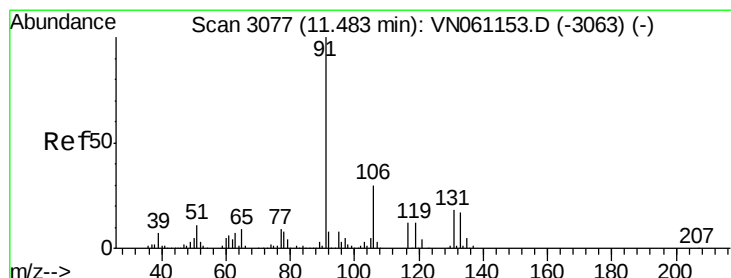
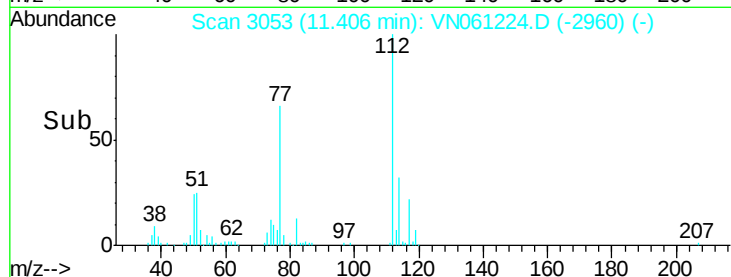
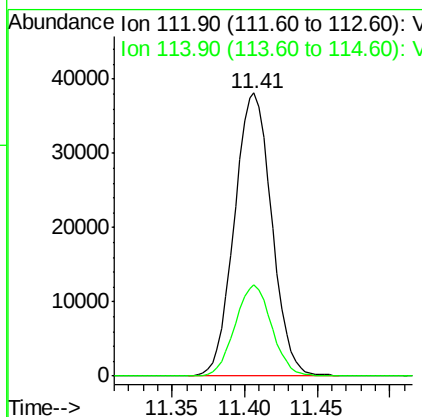
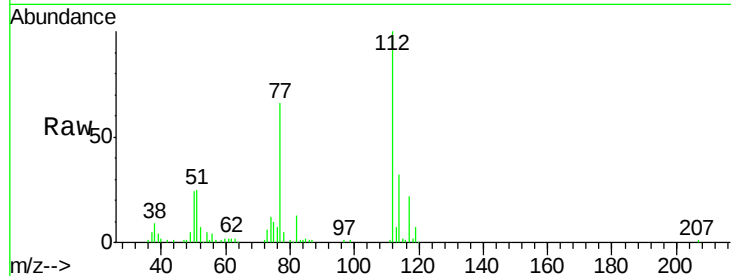
#65
Chlorobenzene
Concen: 18.447 ug/l
RT: 11.41 min Scan# 3053
Delta R.T. 0.00 min
Lab File: VN061224.D
Acq: 1 May 2020 12:48

Instrument :
MSVOA_N
ClientSampleId :
VN0501MBS01

Tot Ion:112 Resp: 68242
Ion Ratio Lower Upper
112 100
114 32.2 25.4 38.2

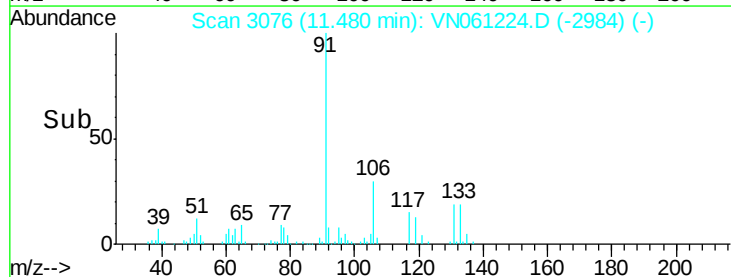
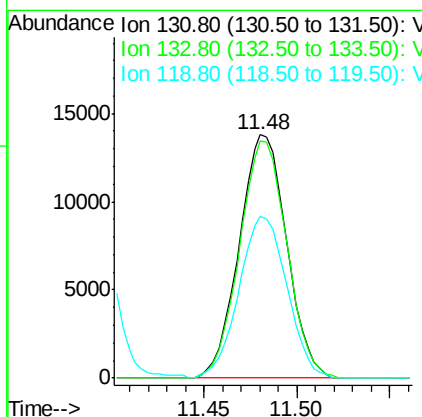
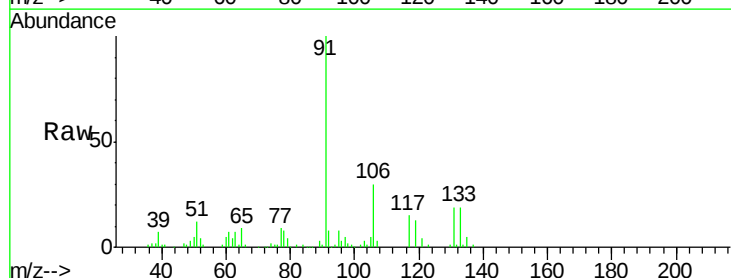
Manual Integrations
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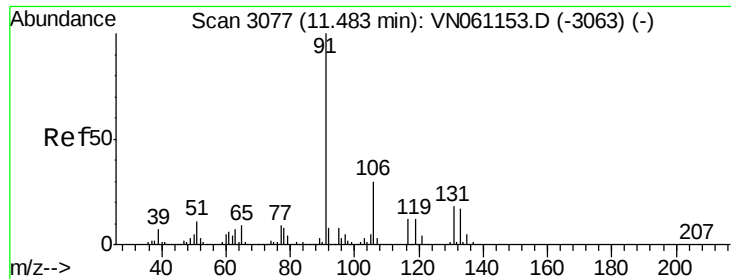
MMDadoda
5/4/2020 2:57:59 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 18.491 ug/l
RT: 11.48 min Scan# 3076
Delta R.T. -0.00 min
Lab File: VN061224.D
Acq: 1 May 2020 12:48

Tgt Ion:131 Resp: 24482
Ion Ratio Lower Upper
131 100
133 97.1 48.0 144.2
119 67.1 32.6 97.8





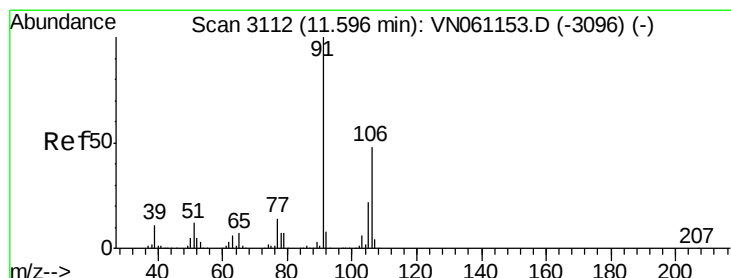
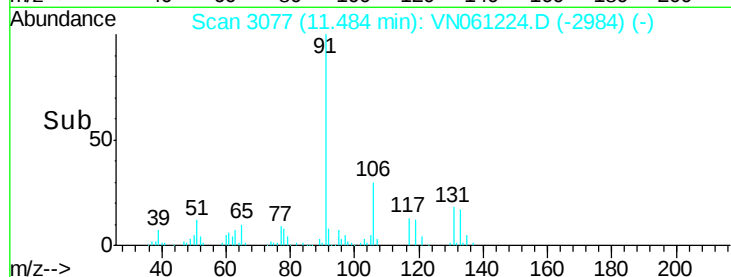
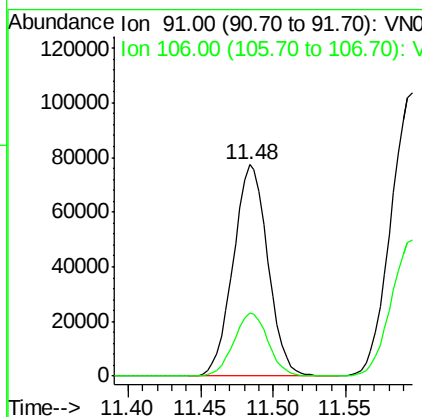
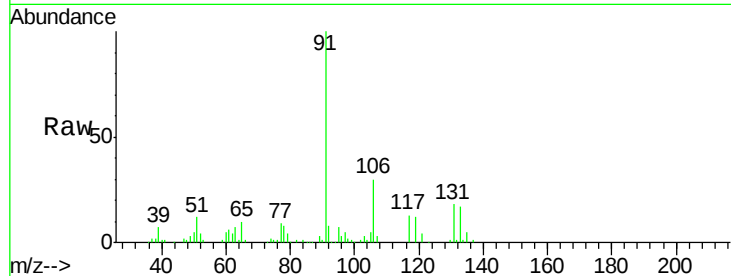
#67
Ethyl Benzene
Concen: 18.514 ug/l
RT: 11.48 min Scan# 3077
Delta R.T. 0.00 min
Lab File: VN061224.D
Acq: 1 May 2020 12:48

Instrument :
MSVOA_N
ClientSampleId :
VN0501MBS01

Tot Ion: 91 Resp: 128208
Ion Ratio Lower Upper
91 100
106 29.7 23.8 35.6

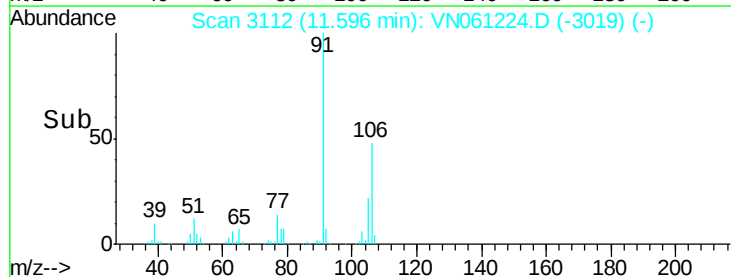
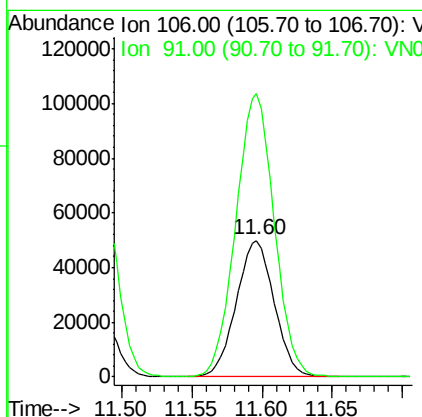
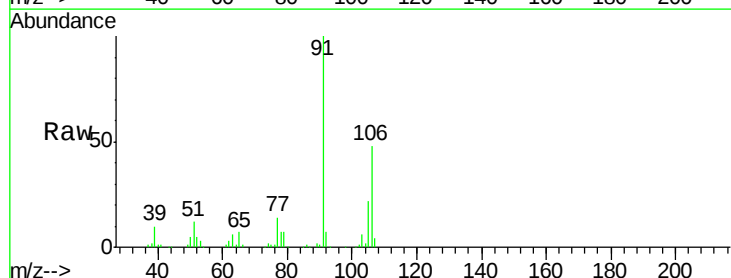
Manual Integrations
APPROVED

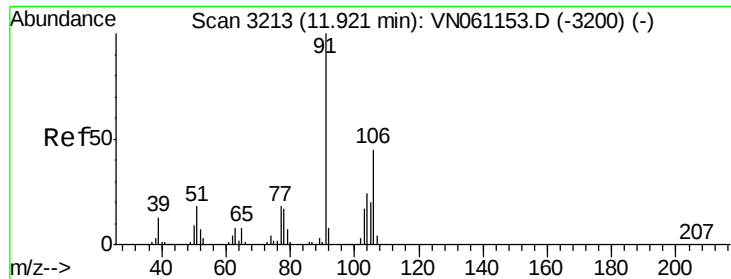
MMDadoda
5/4/2020 2:57:59 PM



#68
m/p-Xylenes
Concen: 37.032 ug/l
RT: 11.60 min Scan# 3112
Delta R.T. 0.00 min
Lab File: VN061224.D
Acq: 1 May 2020 12:48

Tgt Ion: 106 Resp: 93867
Ion Ratio Lower Upper
106 100
91 210.8 166.4 249.6





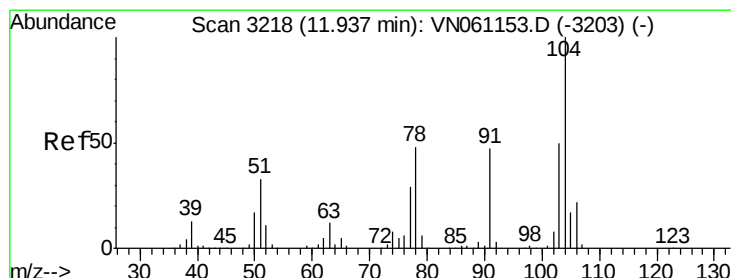
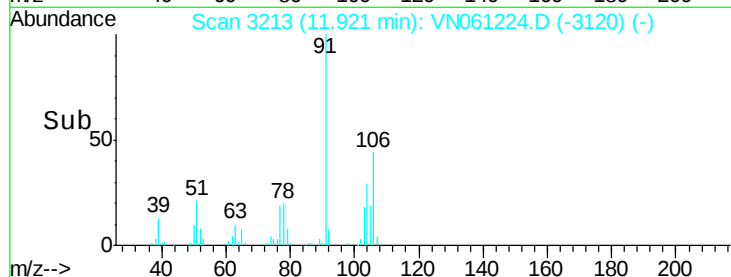
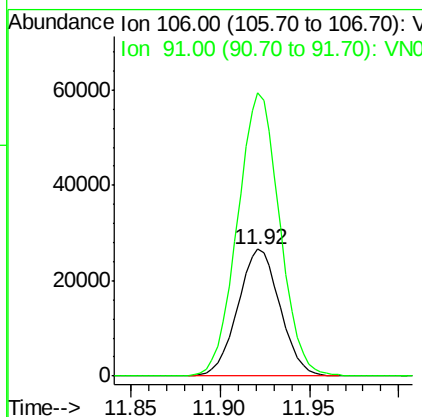
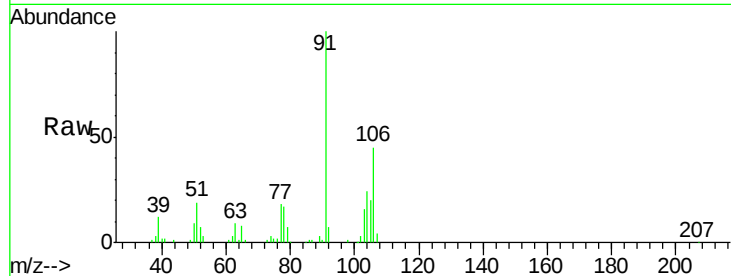
#69
o-Xylene
Concen: 18.081 ug/l
RT: 11.92 min Scan# 3213
Delta R.T. 0.00 min
Lab File: VN061224.D
Acq: 1 May 2020 12:48

Instrument :
MSVOA_N
ClientSampleId :
VN0501MBS01

Tot Ion:106 Resp: 44024
Ion Ratio Lower Upper
106 100
91 223.2 109.7 329.0

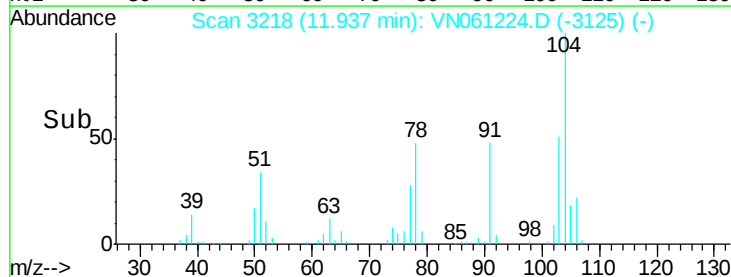
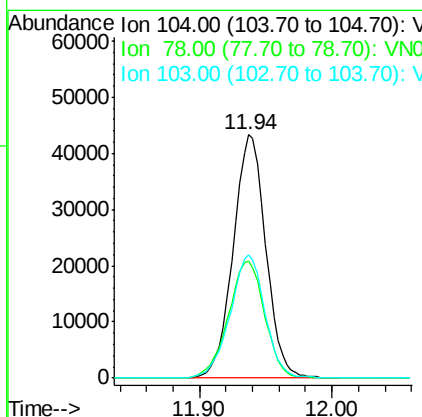
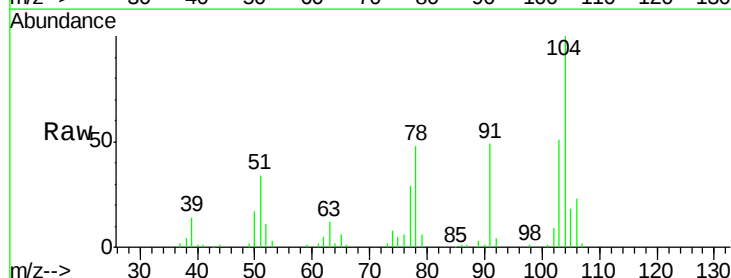
Manual Integrations
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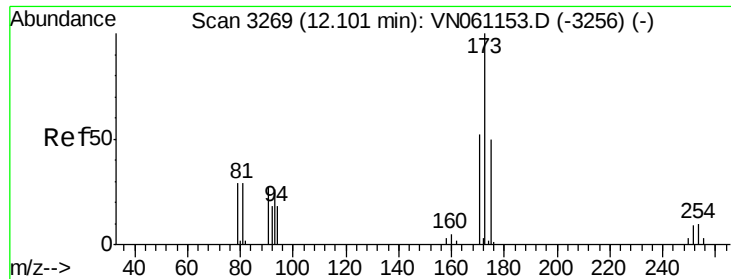
MMDadoda
5/4/2020 2:57:59 PM



#70
Styrene
Concen: 18.137 ug/l
RT: 11.94 min Scan# 3218
Delta R.T. 0.00 min
Lab File: VN061224.D
Acq: 1 May 2020 12:48

Tgt Ion:104 Resp: 73910
Ion Ratio Lower Upper
104 100
78 53.5 42.1 63.1
103 53.9 43.3 64.9





#71

Bromoform

Concen: 18.417 ug/l

RT: 12.10 min Scan# 3269

Delta R.T. 0.00 min

Lab File: VN061224.D

Acq: 1 May 2020 12:48

Instrument :

MSVOA_N

ClientSampleId :

VN0501MBS01

Tot Ion:173 Resp: 17921

Ion Ratio Lower Upper

173 100

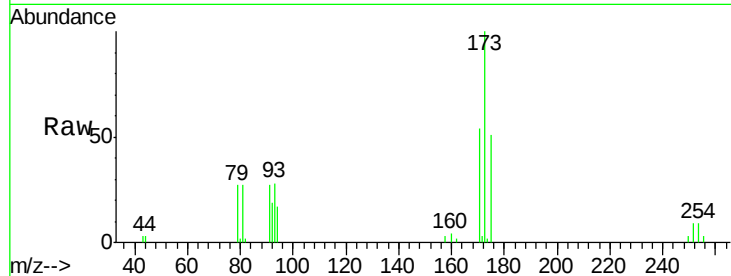
175 49.4 24.1 72.4

254 0.0 0.0 0.0

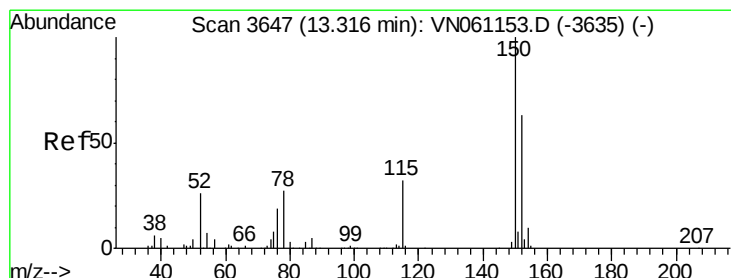
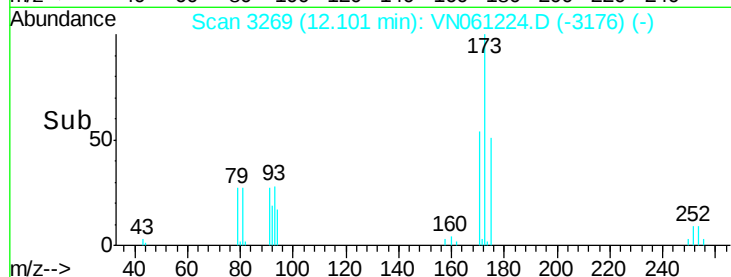
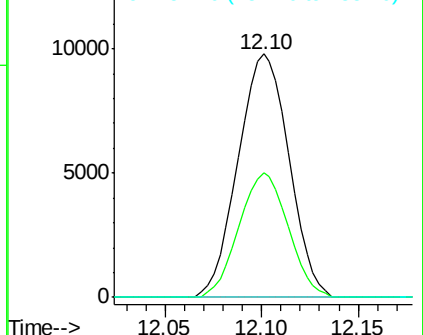
Manual Integrations
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3648

Delta R.T. 0.00 min

Lab File: VN061224.D

Acq: 1 May 2020 12:48

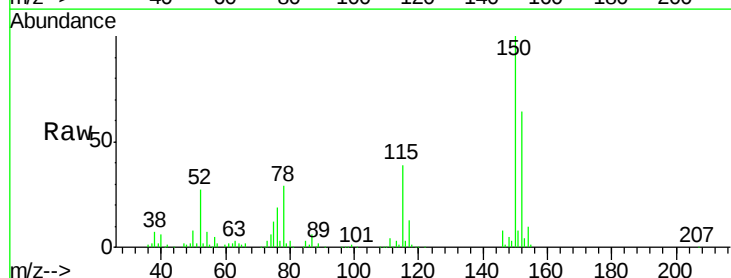
Tgt Ion:152 Resp: 87253

Ion Ratio Lower Upper

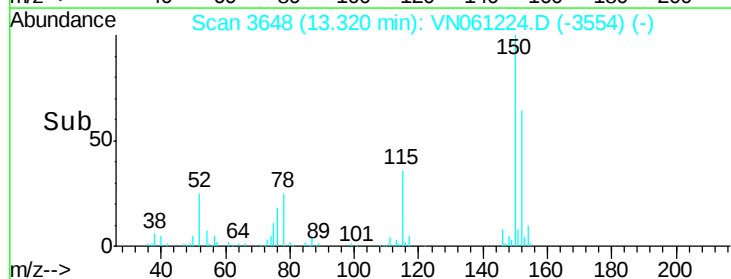
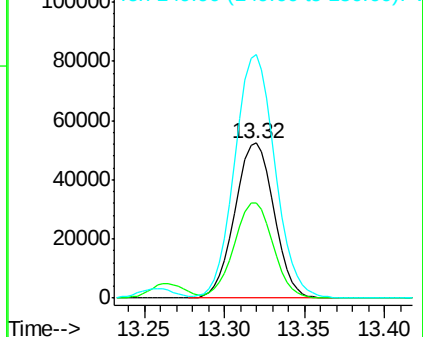
152 100

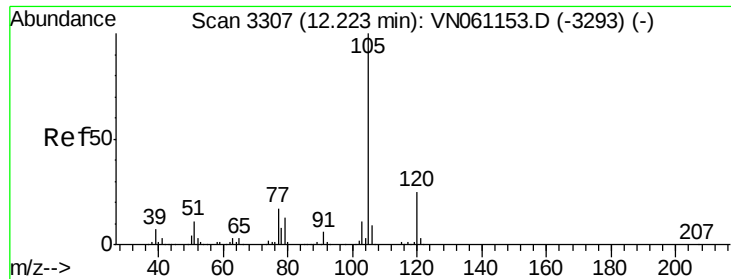
115 61.5 31.0 93.0

150 162.7 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: 18.783 ug/l

RT: 12.22 min Scan# 3307

Delta R.T. 0.00 min

Lab File: VN061224.D

Acq: 1 May 2020 12:48

Instrument :

MSVOA_N

ClientSampleId :

VN0501MBS01

Tot Ion: 105 Resp: 120483

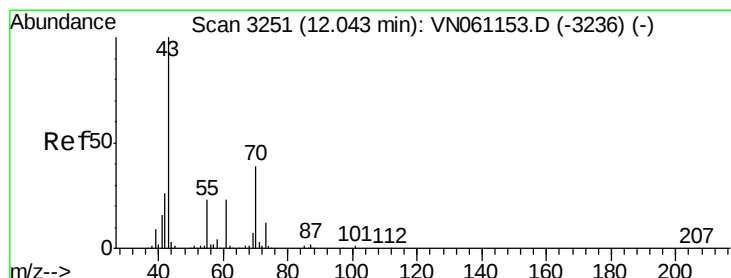
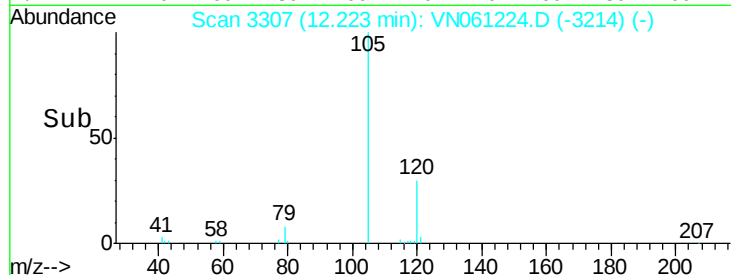
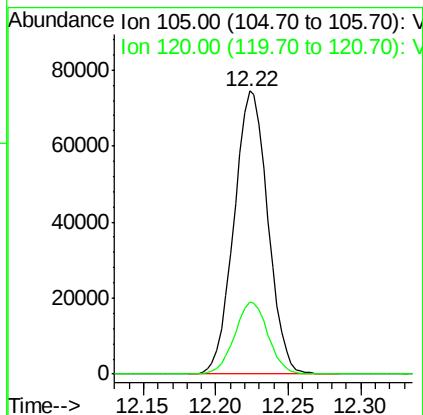
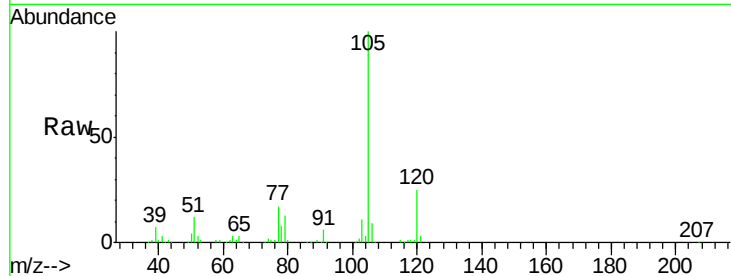
Ion Ratio Lower Upper

105 100

120 25.0 12.6 37.8

Manual Integrations
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#74

N-ethyl acetate

Concen: 18.659 ug/l

RT: 12.05 min Scan# 3252

Delta R.T. 0.00 min

Lab File: VN061224.D

Acq: 1 May 2020 12:48

Tgt Ion: 43 Resp: 60606

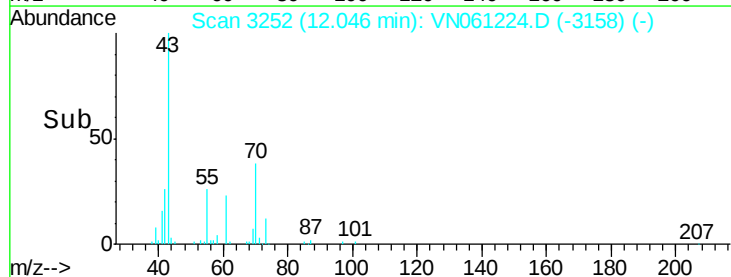
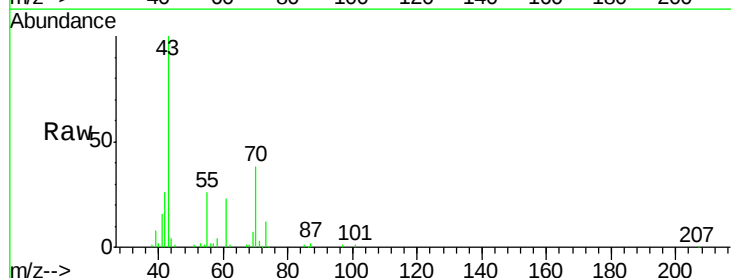
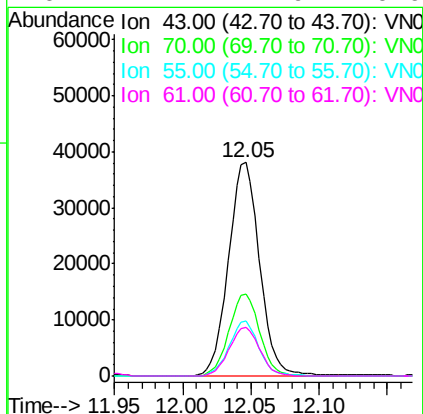
Ion Ratio Lower Upper

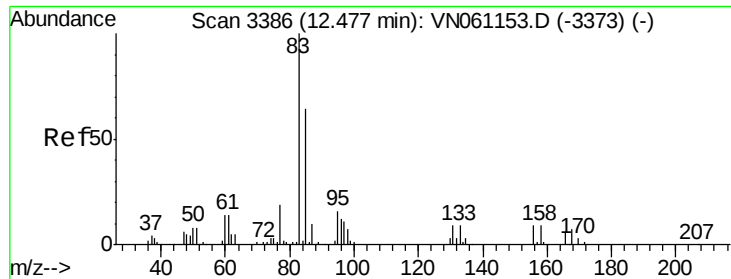
43 100

70 37.5 30.6 46.0

55 24.6 18.5 27.7

61 22.2 17.9 26.9





#75

1,1,2,2-Tetrachloroethane

Concen: 19.406 ug/l

RT: 12.48 min Scan# 3387

Delta R.T. 0.00 min

Lab File: VN061224.D

Acq: 1 May 2020 12:48

Instrument :

MSVOA_N

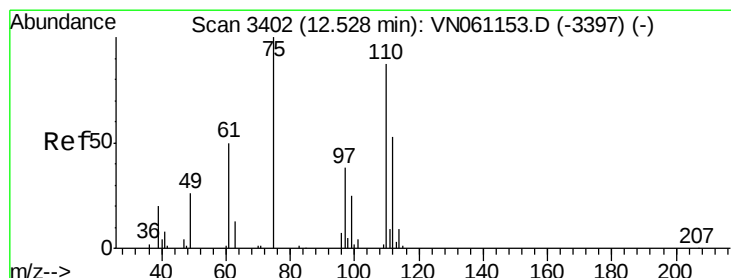
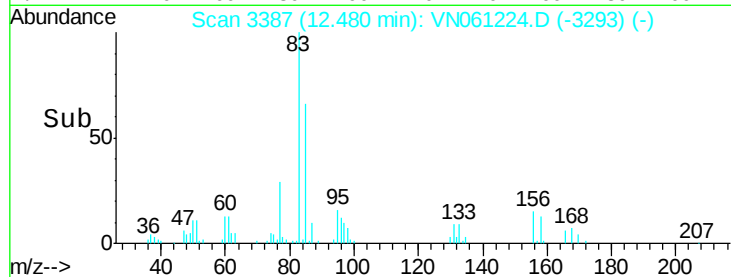
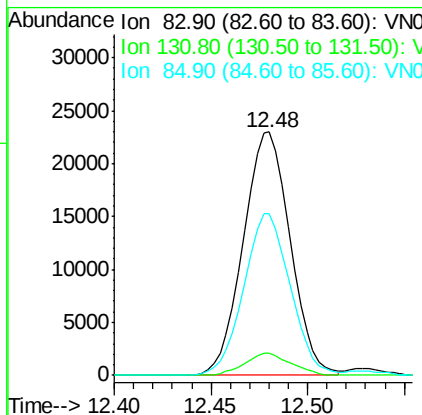
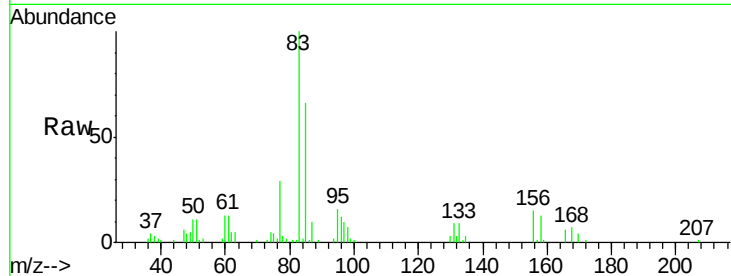
ClientSampleId :

VN0501MBS01

Tot Ion:	83	Resp:	38814
Ion Ratio	Lower	Upper	
83	100		
131	9.0	4.8	14.3
85	65.7	32.0	96.0

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 19.059 ug/l m

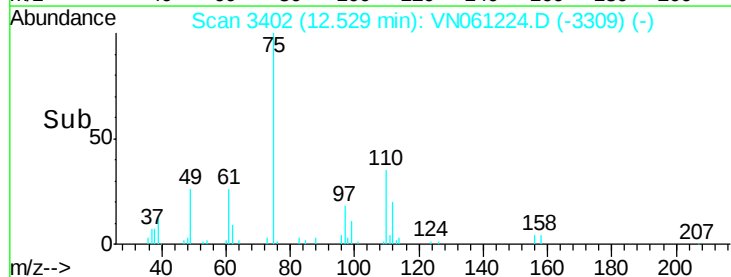
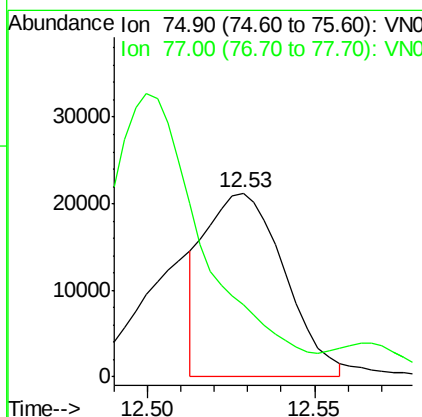
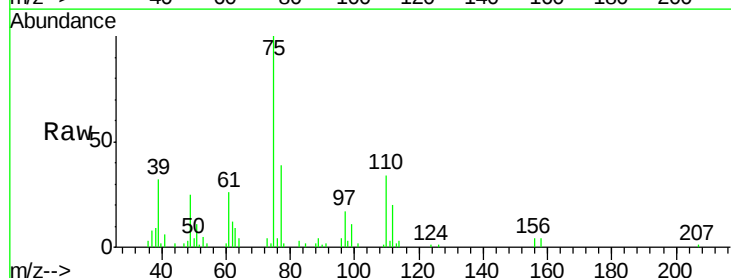
RT: 12.53 min Scan# 3402

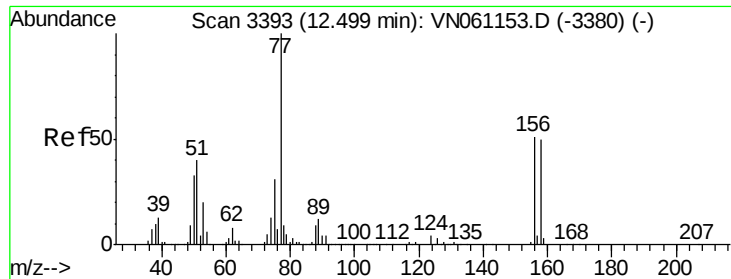
Delta R.T. 0.00 min

Lab File: VN061224.D

Acq: 1 May 2020 12:48

Tgt Ion:	75	Resp:	35060
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 18.466 ug/l

RT: 12.50 min Scan# 3393

Delta R.T. 0.00 min

Lab File: VN061224.D

Acq: 1 May 2020 12:48

Instrument :

MSVOA_N

ClientSampleId :

VN0501MBS01

Tot Ion:156 Resp: 27343

Ion Ratio Lower Upper

156 100

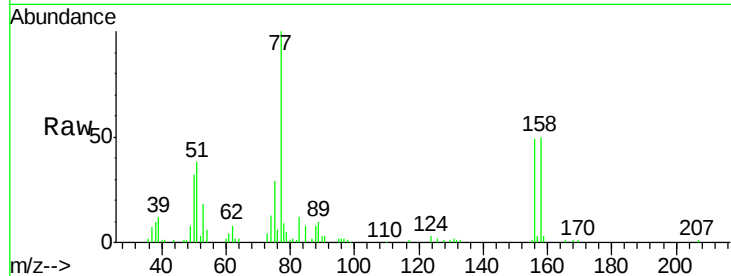
77 245.1 117.4 352.2

158 99.3 48.4 145.0

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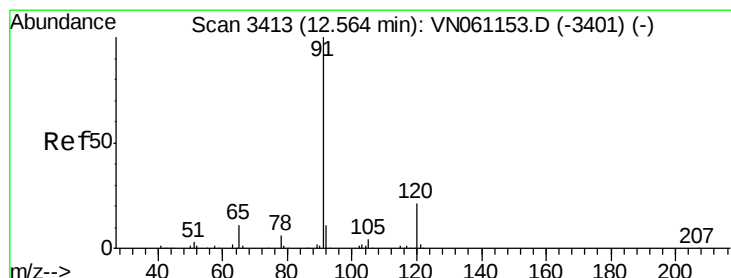
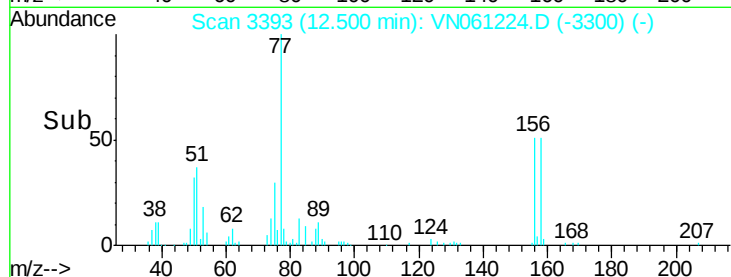
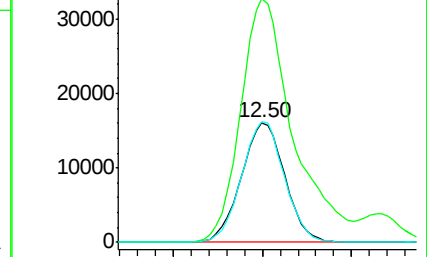
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 18.923 ug/l

RT: 12.57 min Scan# 3414

Delta R.T. 0.00 min

Lab File: VN061224.D

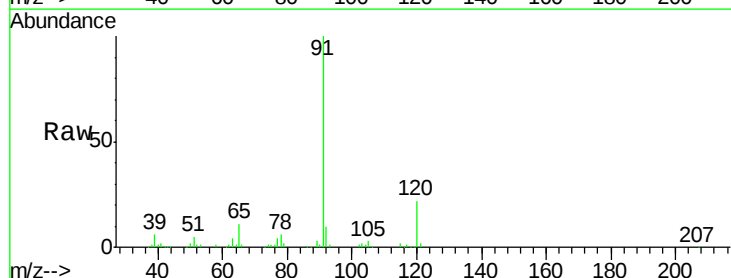
Acq: 1 May 2020 12:48

Tgt Ion: 91 Resp: 143967

Ion Ratio Lower Upper

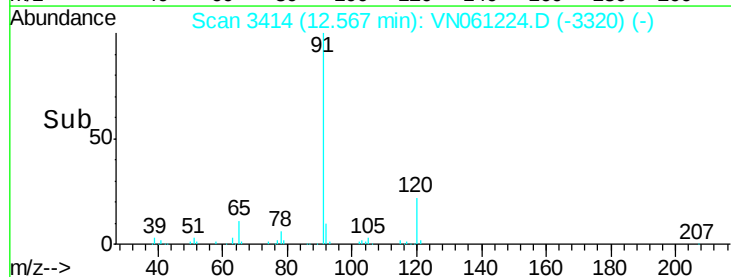
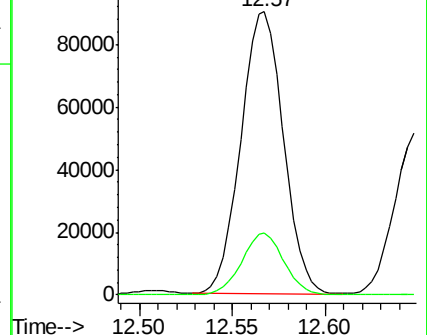
91 100

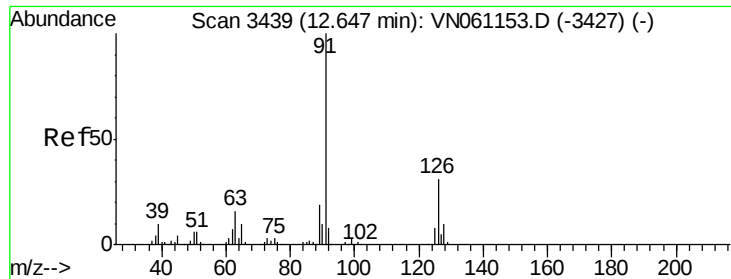
120 21.7 10.8 32.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





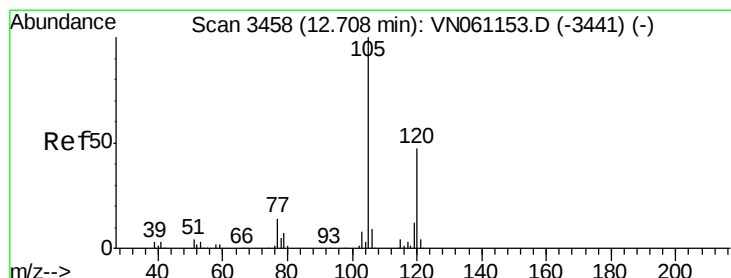
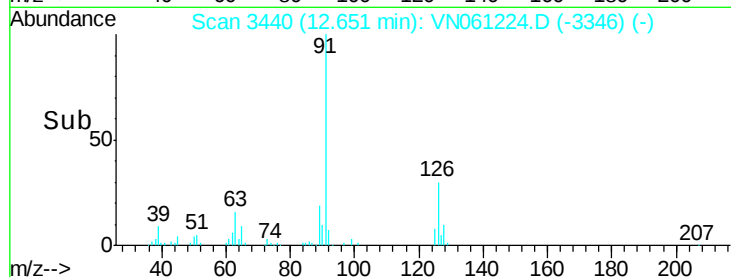
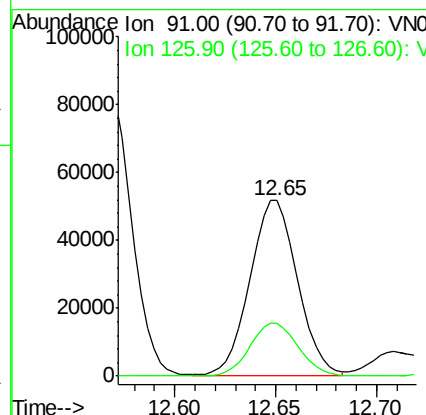
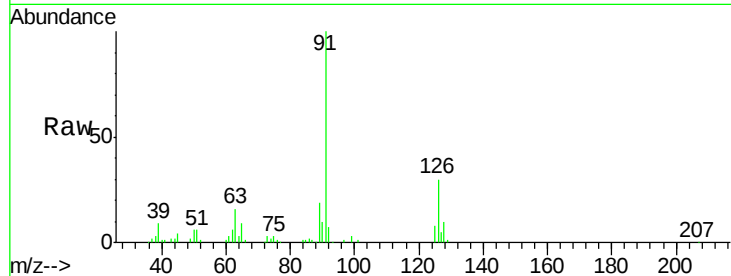
#79
 2-Chlorotoluene
 Concen: 18.995 ug/l
 RT: 12.65 min Scan# 3440
 Delta R.T. 0.00 min
 Lab File: VN061224.D
 Acq: 1 May 2020 12:48

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0501MBS01

Tot Ion: 91 Resp: 84942
 Ion Ratio Lower Upper
 91 100
 126 30.9 15.9 47.7

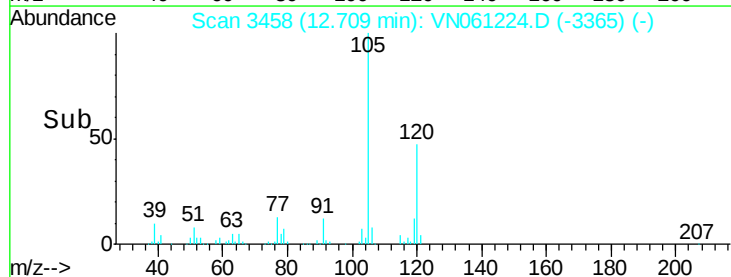
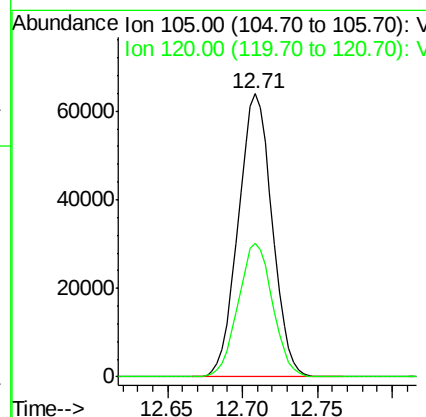
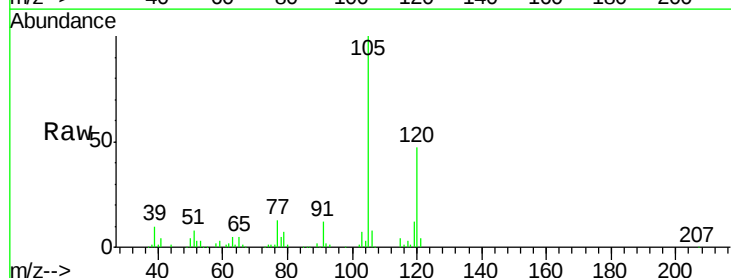
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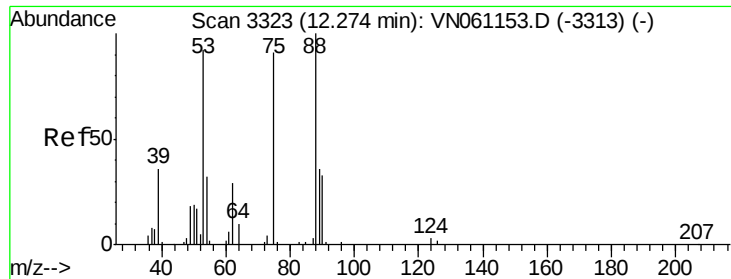
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#80
 1,3,5-Trimethylbenzene
 Concen: 19.004 ug/l
 RT: 12.71 min Scan# 3458
 Delta R.T. 0.00 min
 Lab File: VN061224.D
 Acq: 1 May 2020 12:48

Tgt Ion: 105 Resp: 100889
 Ion Ratio Lower Upper
 105 100
 120 47.9 23.9 71.7





#81

trans-1,4-Dichloro-2-butene

Concen: 18.354 ug/l

RT: 12.27 min Scan# 3323

Delta R.T. 0.00 min

Lab File: VN061224.D

Acq: 1 May 2020 12:48

Instrument :

MSVOA_N

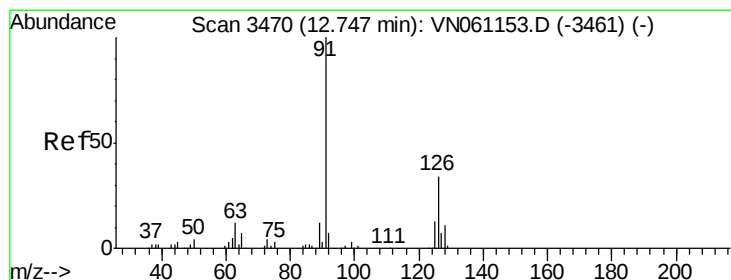
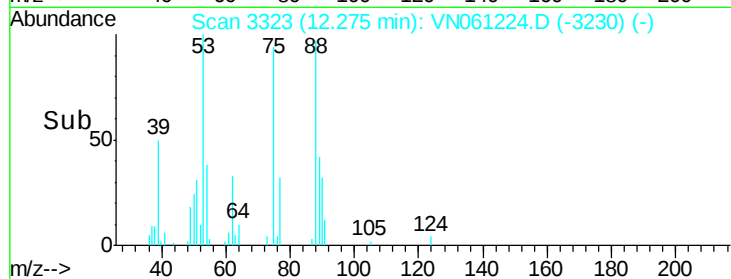
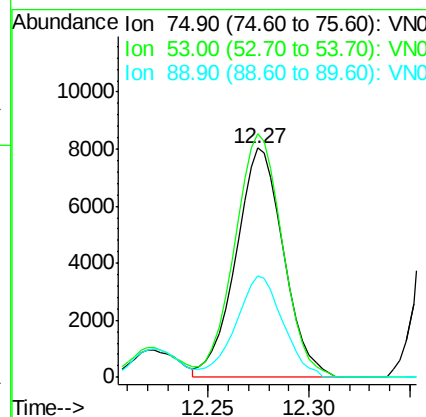
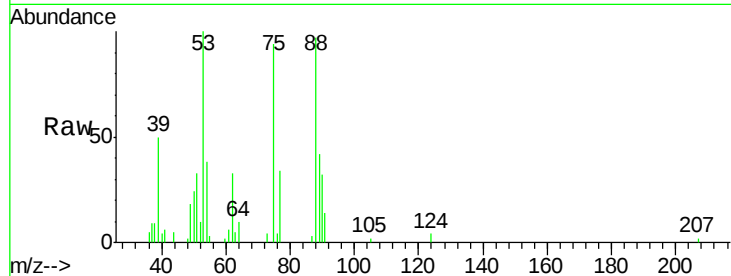
ClientSampleId :

VN0501MBS01

Tot Ion:	75	Resp:	13295
Ion Ratio	Lower	Upper	
75	100		
53	106.1	84.1	126.1
89	43.5	35.2	52.8

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#82

4-Chlorotoluene

Concen: 19.122 ug/l

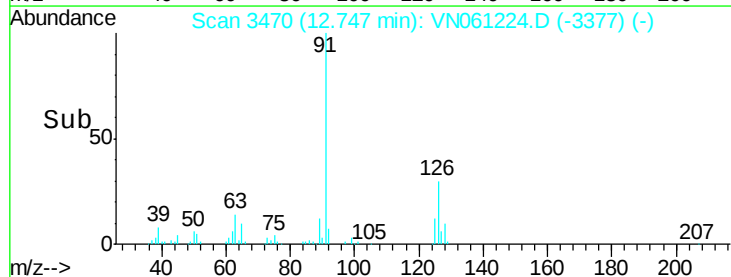
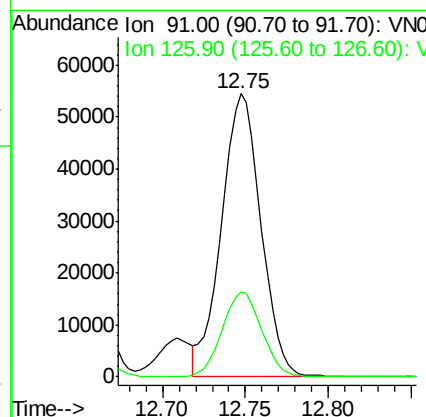
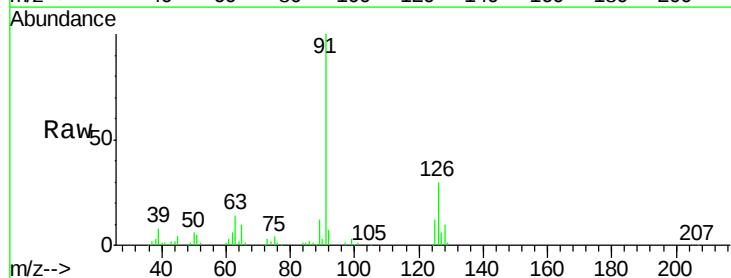
RT: 12.75 min Scan# 3470

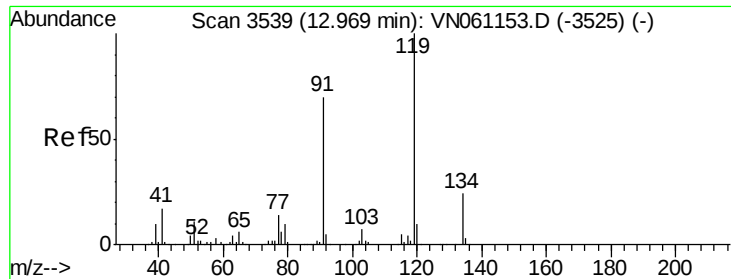
Delta R.T. 0.00 min

Lab File: VN061224.D

Acq: 1 May 2020 12:48

Tgt Ion:	91	Resp:	90125
Ion Ratio	Lower	Upper	
91	100		
126	30.0	15.7	47.1





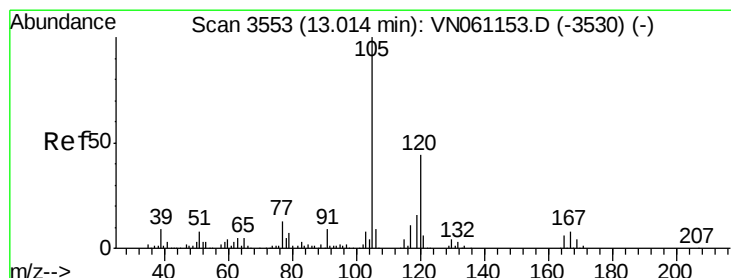
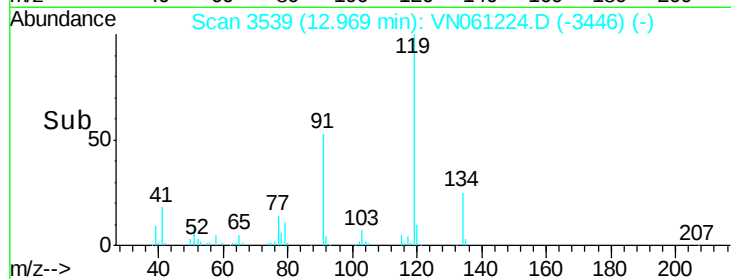
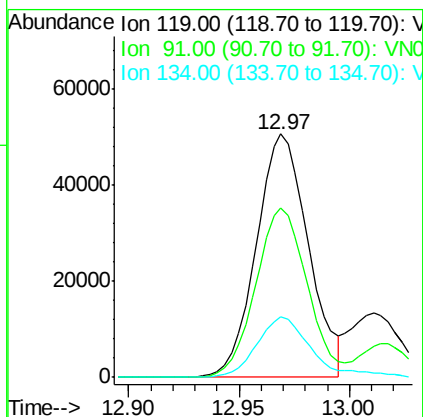
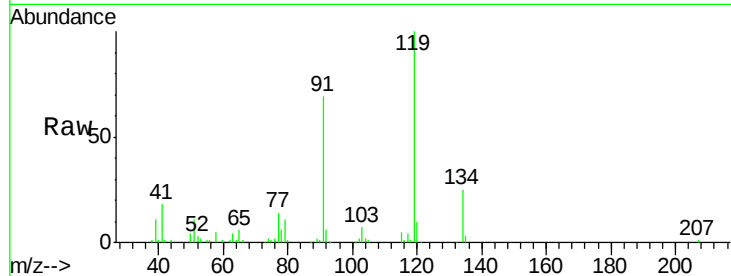
#83
 tert-Butylbenzene
 Concen: 18.497 ug/l
 RT: 12.97 min Scan# 3539
 Delta R.T. 0.00 min
 Lab File: VN061224.D
 Acq: 1 May 2020 12:48

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0501MBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	82801		
91	69.1		34.8	104.4
134	26.2		12.9	38.7

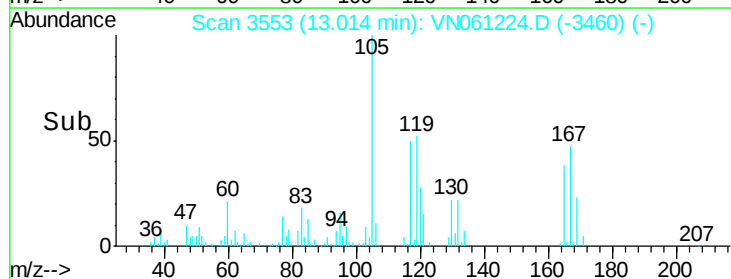
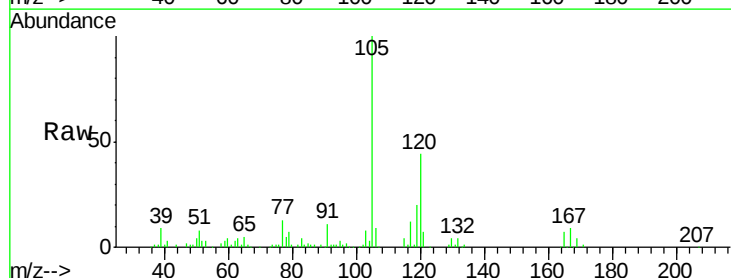
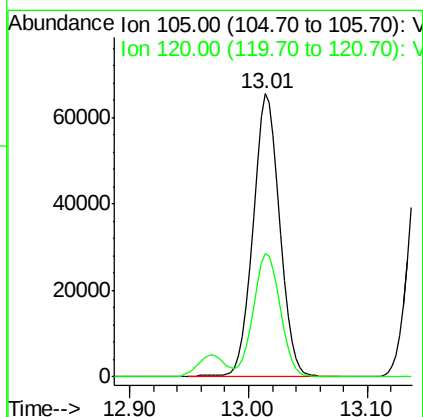
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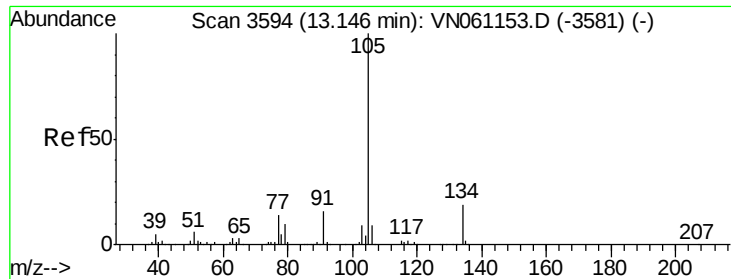
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#84
 1,2,4-Trimethylbenzene
 Concen: 18.591 ug/l
 RT: 13.01 min Scan# 3553
 Delta R.T. 0.00 min
 Lab File: VN061224.D
 Acq: 1 May 2020 12:48

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	101684		
120	44.1		22.2	66.6





#85

sec-Butylbenzene

Concen: 18.656 ug/l

RT: 13.15 min Scan# 3594

Delta R.T. 0.00 min

Lab File: VN061224.D

Acq: 1 May 2020 12:48

Instrument :

MSVOA_N

ClientSampleId :

VN0501MBS01

Tot Ion:105 Resp: 113864

Ion Ratio Lower Upper

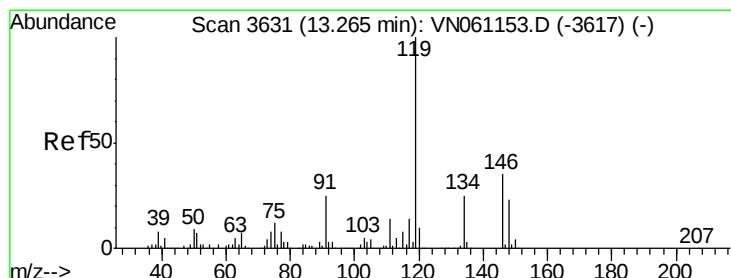
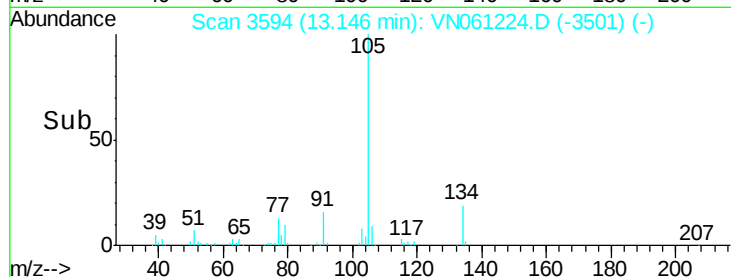
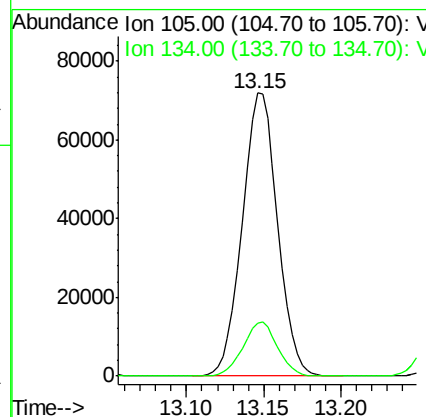
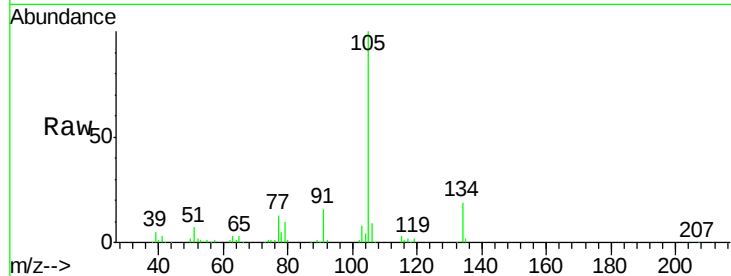
105 100

134 18.8 9.6 28.8

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#86

p-Isopropyltoluene

Concen: 18.459 ug/l

RT: 13.26 min Scan# 3631

Delta R.T. 0.00 min

Lab File: VN061224.D

Acq: 1 May 2020 12:48

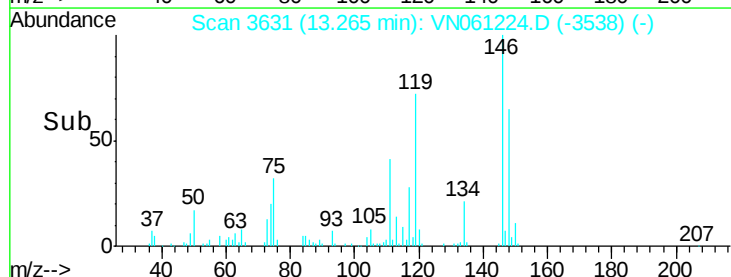
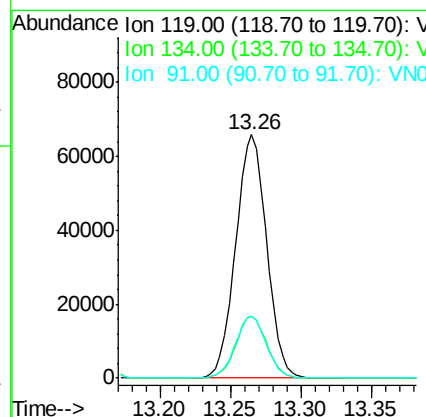
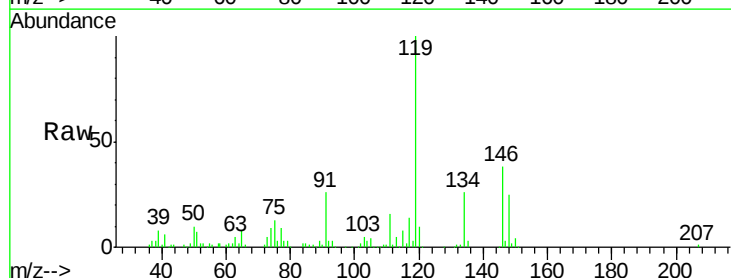
Tgt Ion:119 Resp: 101503

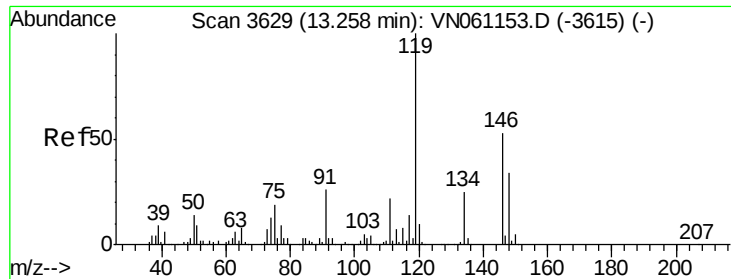
Ion Ratio Lower Upper

119 100

134 25.2 12.6 37.6

91 25.3 12.7 38.0





#87

1,3-Dichlorobenzene

Concen: 18.659 ug/l

RT: 13.26 min Scan# 3629

Delta R.T. 0.00 min

Lab File: VN061224.D

Acq: 1 May 2020 12:48

Instrument :

MSVOA_N

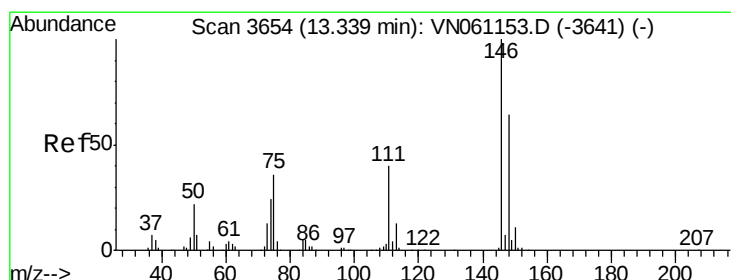
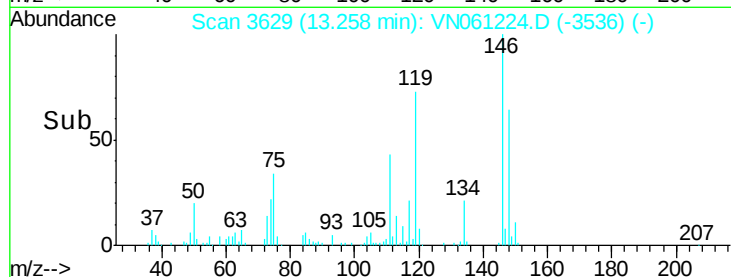
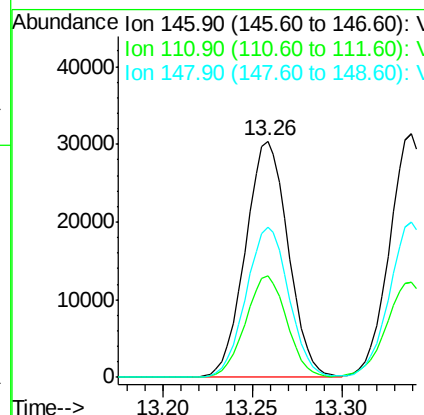
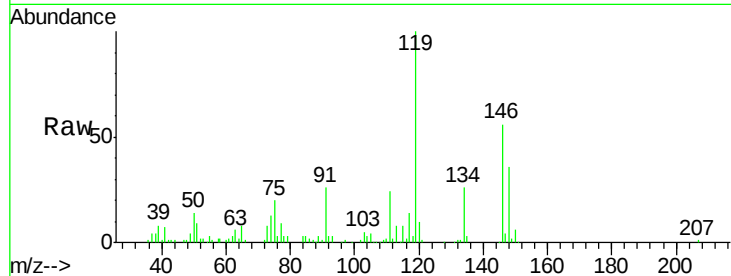
ClientSampleId :

VN0501MBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.5	20.7	62.1
148	63.5	31.8	95.3

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 18.366 ug/l

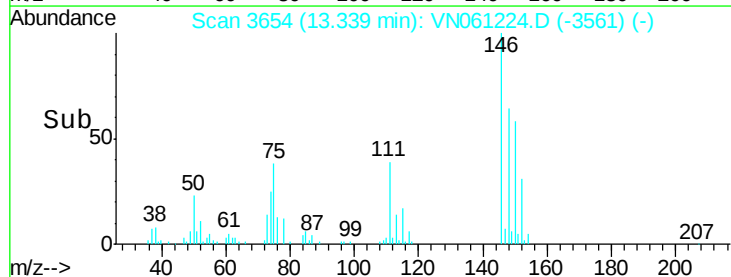
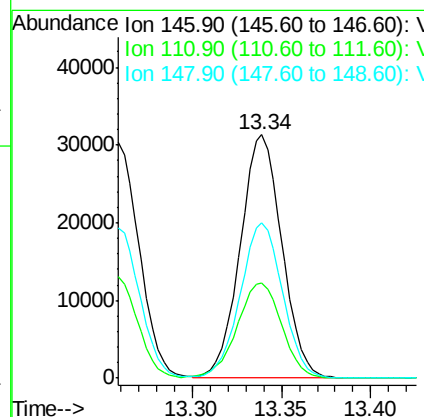
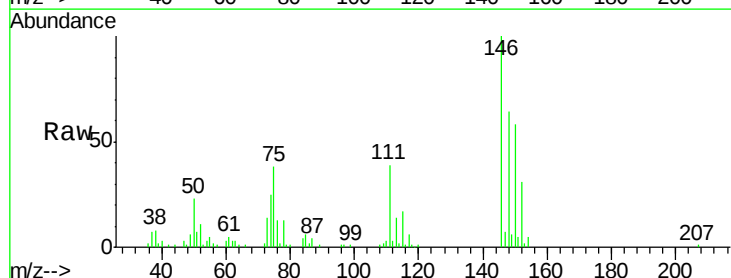
RT: 13.34 min Scan# 3654

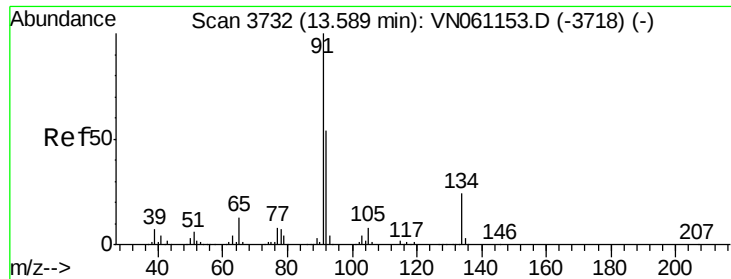
Delta R.T. 0.00 min

Lab File: VN061224.D

Acq: 1 May 2020 12:48

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.9	20.4	61.3
148	64.9	31.9	95.7





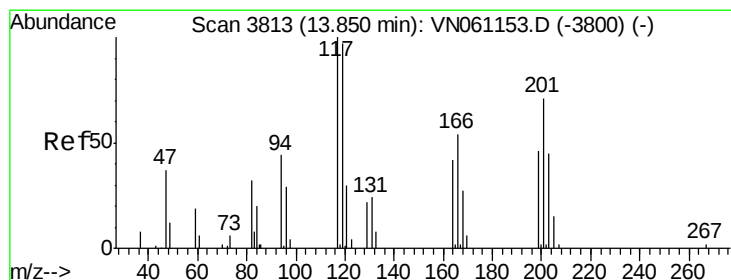
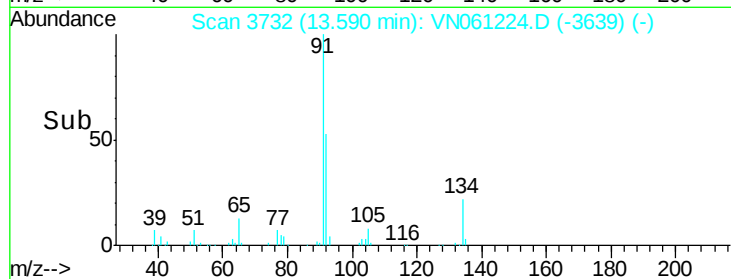
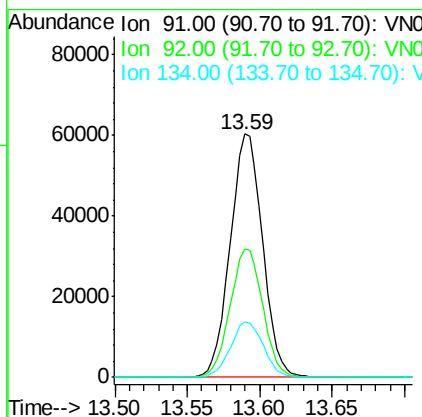
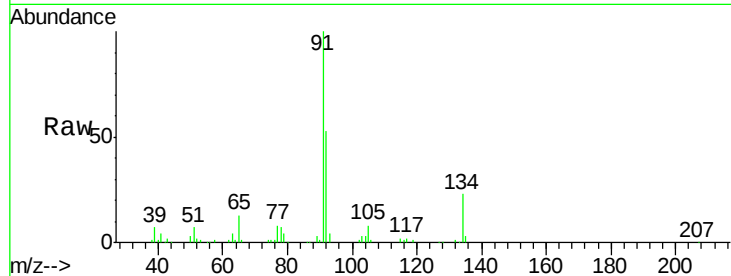
#89
n-Butylbenzene
Concen: 18.541 ug/l
RT: 13.59 min Scan# 3732
Delta R.T. 0.00 min
Lab File: VN061224.D
Acq: 1 May 2020 12:48

Instrument :
MSVOA_N
ClientSampleId :
VN0501MBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.0	26.8	80.3
134	23.0	11.9	35.5

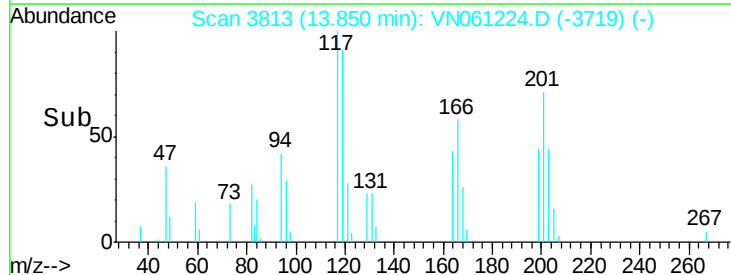
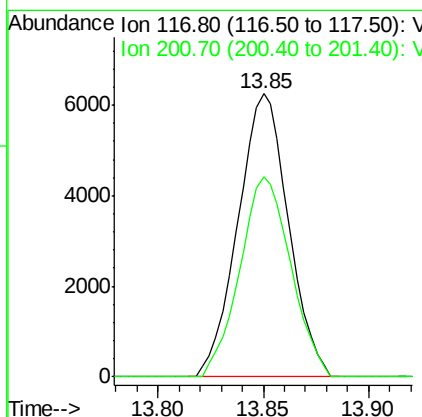
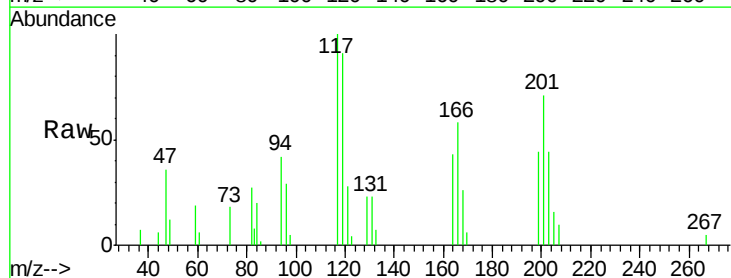
Manual Integrations
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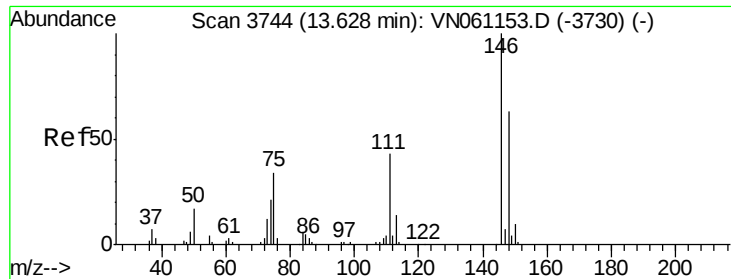
MMDadoda
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#90
Hexachloroethane
Concen: 22.957 ug/l
RT: 13.85 min Scan# 3813
Delta R.T. 0.00 min
Lab File: VN061224.D
Acq: 1 May 2020 12:48

Tgt Ion	Ratio	Lower	Upper
117	100		
201	71.3	35.5	106.7





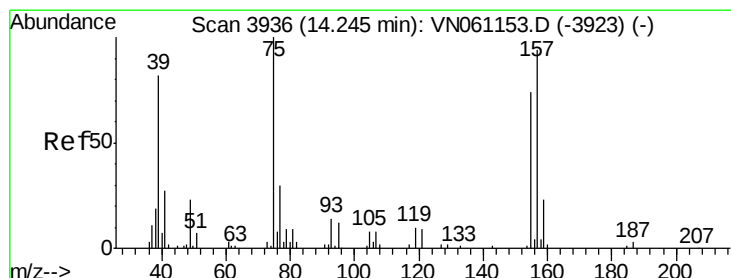
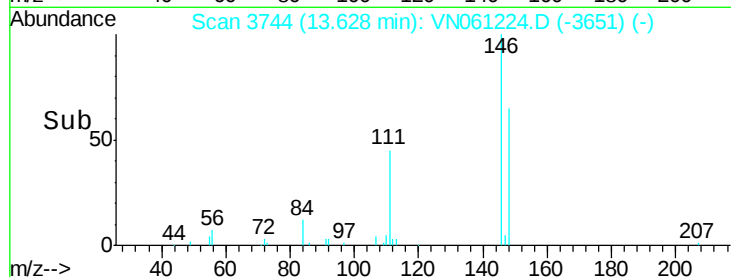
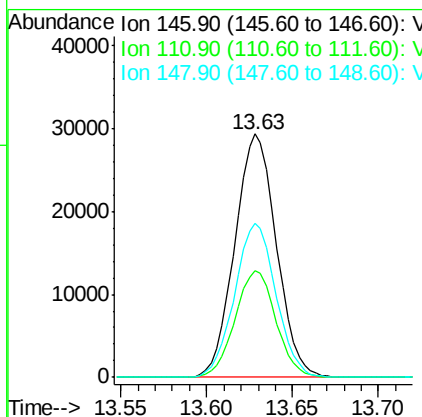
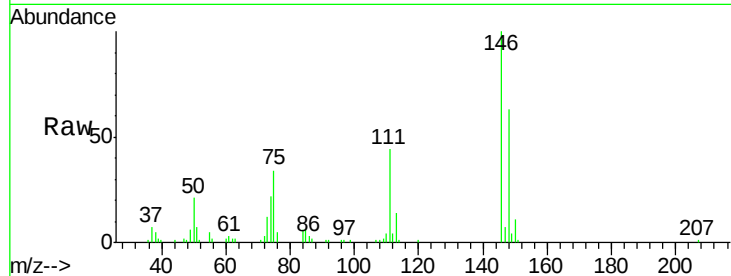
#91
 1,2-Dichlorobenzene
 Concen: 18.823 ug/l
 RT: 13.63 min Scan# 3744
 Delta R.T. 0.00 min
 Lab File: VN061224.D
 Acq: 1 May 2020 12:48

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0501MBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.0	21.8	65.3
148	63.0	31.6	95.0

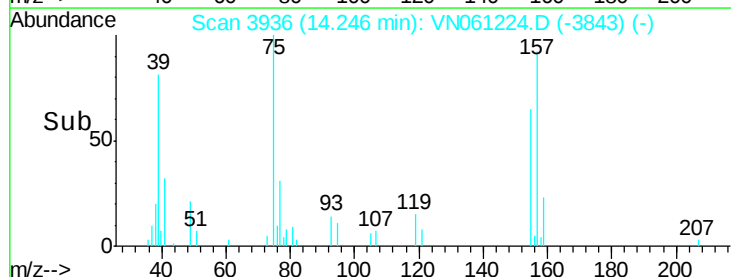
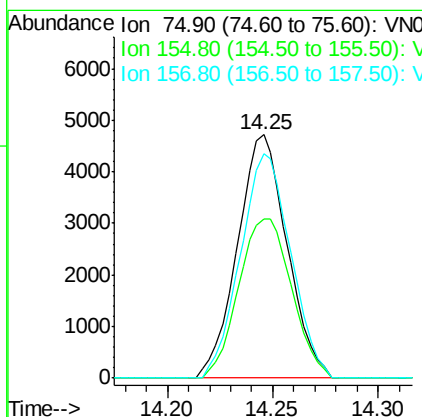
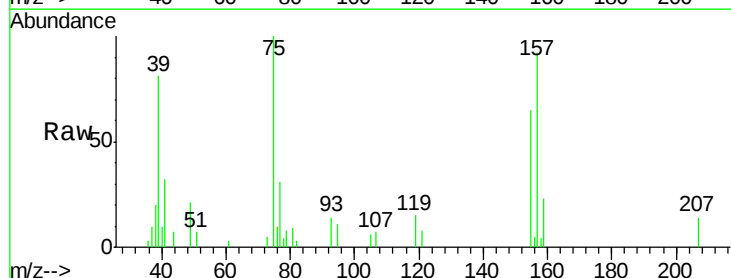
Manual Integrations
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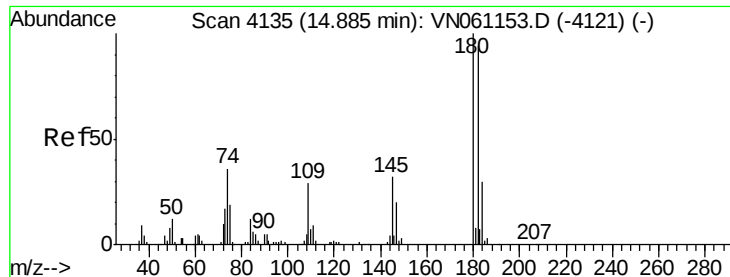
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.205 ug/l
 RT: 14.25 min Scan# 3936
 Delta R.T. 0.00 min
 Lab File: VN061224.D
 Acq: 1 May 2020 12:48

Tgt Ion	Ratio	Lower	Upper
75	100		
155	69.8	36.5	109.7
157	93.4	46.6	139.7





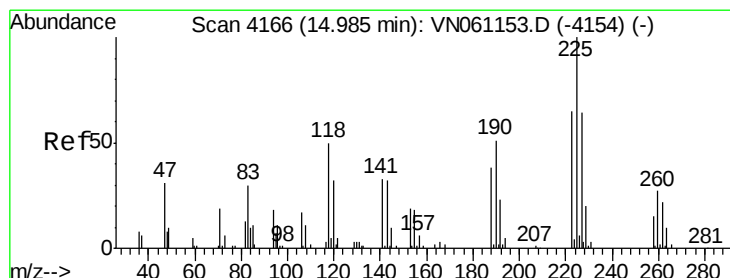
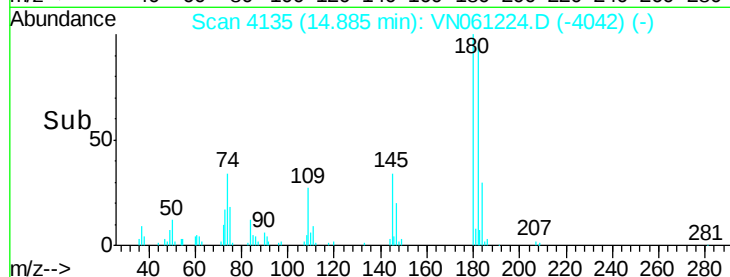
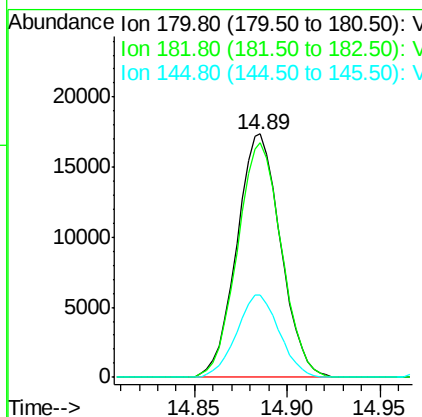
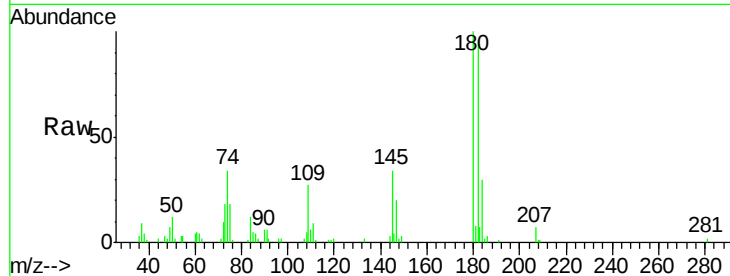
#93
 1,2,4-Trichlorobenzene
 Concen: 17.966 ug/l
 RT: 14.89 min Scan# 4135
 Delta R.T. 0.00 min
 Lab File: VN061224.D
 Acq: 1 May 2020 12:48

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0501MBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	28595		
182	96.7	47.3	141.9	
145	33.0	16.0	47.9	

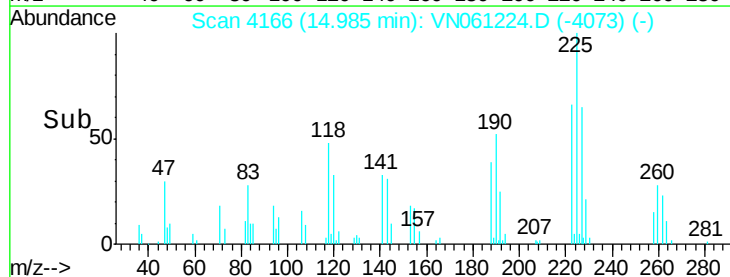
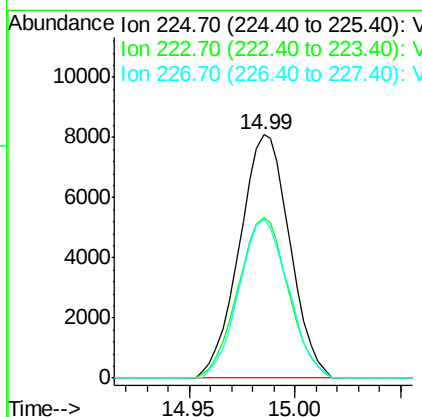
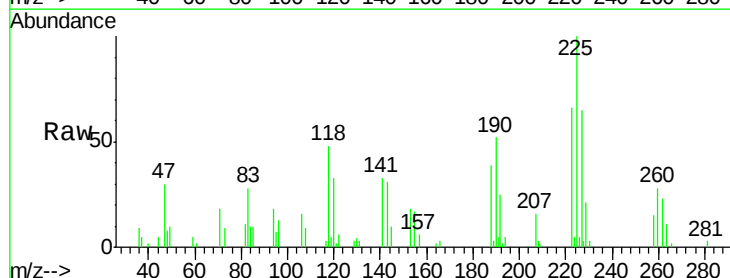
Manual Integrations
 APPROVED

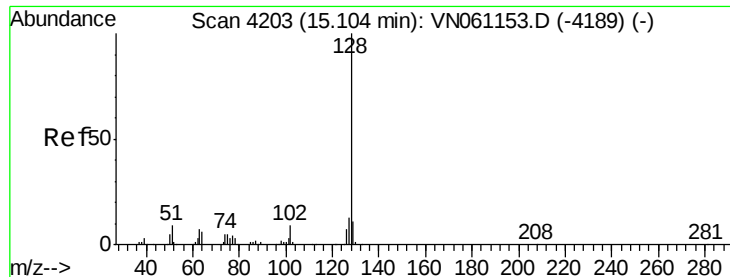
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#94
 Hexachlorobutadiene
 Concen: 20.120 ug/l
 RT: 14.99 min Scan# 4166
 Delta R.T. 0.00 min
 Lab File: VN061224.D
 Acq: 1 May 2020 12:48

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	13378		
223	66.0	32.4	97.0	
227	64.1	32.4	97.0	





#95

Naphthalene

Concen: 17.310 ug/l

RT: 15.11 min Scan# 4204

Delta R.T. 0.00 min

Lab File: VN061224.D

Acq: 1 May 2020 12:48

Instrument :

MSVOA_N

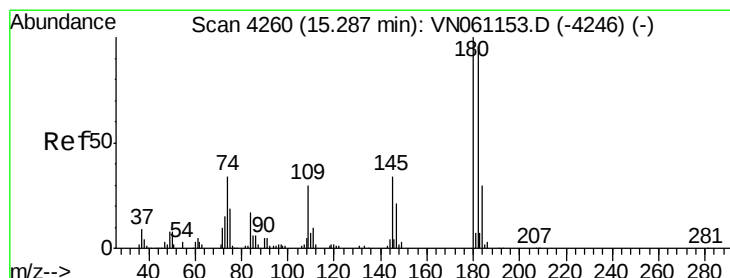
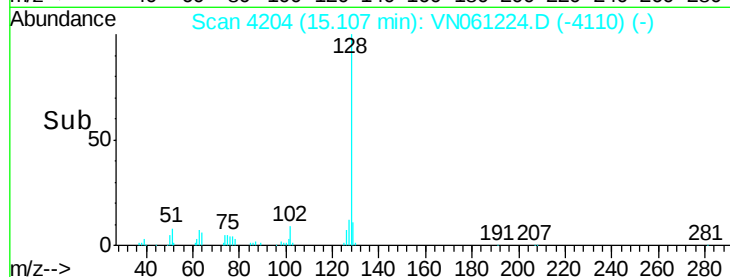
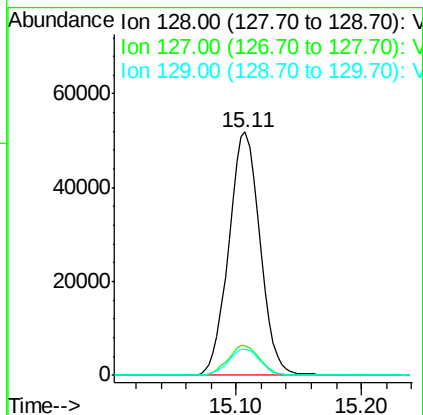
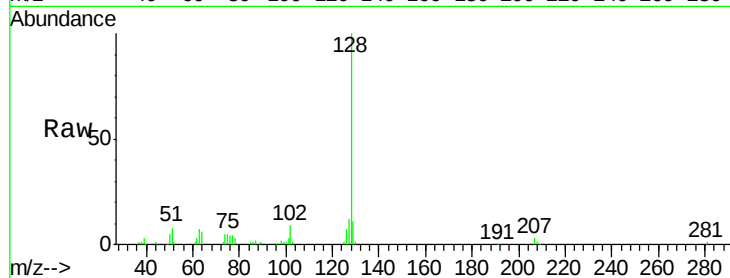
ClientSampleId :

VN0501MBS01

Tot Ion:	128	Resp:	89724
Ion Ratio	Lower	Upper	
128	100		
127	12.4	10.4	15.6
129	10.9	8.7	13.1

Manual Integrations
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5/4/2020 2:57:59 PM



#96

1,2,3-Trichlorobenzene

Concen: 18.435 ug/l

RT: 15.29 min Scan# 4260

Delta R.T. 0.00 min

Lab File: VN061224.D

Acq: 1 May 2020 12:48

Tgt Ion:	180	Resp:	28969
Ion Ratio	Lower	Upper	
180	100		
182	94.9	47.5	142.5
145	34.0	16.9	50.7

