

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN042720\
 Data File : VN061151.D
 Acq On : 27 Apr 2020 16:26
 Operator : JC/MD
 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 4/28/2020 8:14:34 PM

Quant Time: Apr 28 02:03:11 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042720W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 28 01:31:08 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	106032	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	188069	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	174127	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	80691	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	8496	5.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	11.68%	
35) Dibromofluoromethane	7.55	113	5647	5.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.48%	
50) Toluene-d8	10.06	98	21960	4.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.58%	
62) 4-Bromofluorobenzene	12.37	95	8083	4.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.42%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.83	85	4951	4.908	ug/l 100
3) Chloromethane	2.03	50	6481	5.270	ug/l 99
4) Vinyl Chloride	2.16	62	7493	5.068	ug/l 96
5) Bromomethane	2.53	94	3833	5.331	ug/l 93
6) Chloroethane	2.67	64	4836	5.993	ug/l 89
7) Trichlorofluoromethane	2.98	101	9418	5.916	ug/l 95
8) Diethyl Ether	3.37	74	3757	5.159	ug/l 98
9) 1,1,2-Trichlorotrifluoroet	3.71	101	5837	5.562	ug/l 96
10) Methyl Iodide	3.91	142	6711	4.513	ug/l 95
11) Tert butyl alcohol	4.72	59	5532	29.596	ug/l # 72
12) 1,1-Dichloroethene	3.69	96	5779	5.393	ug/l 98
13) Acrolein	3.57	56	3603	25.891	ug/l 97
14) Allyl chloride	4.28	41	11417	6.579	ug/l 99
15) Acrylonitrile	4.93	53	17269	29.713	ug/l # 90
16) Acetone	3.78	43	22058	31.554	ug/l 97
17) Carbon Disulfide	4.01	76	14498	4.586	ug/l 97
18) Methyl Acetate	4.28	43	12627	6.671	ug/l # 90
19) Methyl tert-butyl Ether	4.99	73	20678	5.407	ug/l 97
20) Methylene Chloride	4.50	84	6485	5.212	ug/l 96
21) trans-1,2-Dichloroethene	4.99	96	5825	4.562	ug/l 97
22) Diisopropyl ether	5.90	45	23281	5.781	ug/l 98
23) Vinyl Acetate	5.84	43	90766	28.093	ug/l 99
24) 1,1-Dichloroethane	5.79	63	12900	5.870	ug/l 98
25) 2-Butanone	6.79	43	24409	30.472	ug/l 98
26) 2,2-Dichloropropane	6.78	77	11129	5.740	ug/l # 76
27) cis-1,2-Dichloroethene	6.78	96	7393	5.204	ug/l 97
28) Bromochloromethane	7.15	49	6319	6.630	ug/l # 96
29) Tetrahydrofuran	7.16	42	16171	29.343	ug/l 99
30) Chloroform	7.33	83	12946	5.828	ug/l 87
31) Cyclohexane	7.62	56	13584	6.160	ug/l # 80
32) 1,1,1-Trichloroethane	7.53	97	11102	5.606	ug/l 97
36) 1,1-Dichloropropene	7.75	75	9760	5.292	ug/l 96
37) Ethyl Acetate	6.88	43	11195	5.909	ug/l # 94
38) Carbon Tetrachloride	7.73	117	6826	4.261	ug/l 99

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 ALS Vial : 4 Sample Multiplier: 1

Instrument :
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 VSTDIC005

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

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.05	83	10010	4.503	ug/l	98
40) Benzene	8.00	78	27529	5.050	ug/l	99
41) Methacrylonitrile	7.14	41	4898m	5.643	ug/l	
42) 1,2-Dichloroethane	8.09	62	10834	5.498	ug/l	96
43) Isopropyl Acetate	8.12	43	17731	5.527	ug/l #	92
44) Trichloroethene	8.80	130	7685	4.903	ug/l	94
45) 1,2-Dichloropropane	9.08	63	7529	5.195	ug/l	99
46) Dibromomethane	9.18	93	4605	4.986	ug/l	98
47) Bromodichloromethane	9.37	83	9914	5.398	ug/l	98
48) Methyl methacrylate	9.17	41	7896	5.251	ug/l	96
49) 1,4-Dioxane	9.16	88	1919	87.222	ug/l	96
51) 4-Methyl-2-Pentanone	9.95	43	51628	27.474	ug/l	99
52) Toluene	10.12	92	15903	4.668	ug/l	96
53) t-1,3-Dichloropropene	10.35	75	10489	4.706	ug/l	92
54) cis-1,3-Dichloropropene	9.81	75	11413	4.936	ug/l	97
55) 1,1,2-Trichloroethane	10.53	97	6869	5.229	ug/l	96
56) Ethyl methacrylate	10.40	69	8921	4.434	ug/l	95
57) 1,3-Dichloropropane	10.68	76	12080	5.359	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.66	63	24684	23.785	ug/l	98
59) 2-Hexanone	10.72	43	36124	26.051	ug/l	100
60) Dibromochloromethane	10.87	129	6830	4.974	ug/l	97
61) 1,2-Dibromoethane	10.98	107	6588	4.876	ug/l	97
64) Tetrachloroethene	10.60	164	8201	4.724	ug/l	96
65) Chlorobenzene	11.41	112	17943	5.109	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.48	131	6105	4.902	ug/l	98
67) Ethyl Benzene	11.48	91	31636	4.818	ug/l	98
68) m/p-Xylenes	11.60	106	22859	9.350	ug/l	100
69) o-Xylene	11.92	106	11102	4.706	ug/l	95
70) Styrene	11.94	104	16971	4.426	ug/l	98
71) Bromoform	12.10	173	4164	4.458	ug/l #	98
73) Isopropylbenzene	12.22	105	28754	4.741	ug/l	98
74) N-amyl acetate	12.04	43	13894	4.996	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.48	83	9865	5.930	ug/l	96
76) 1,2,3-Trichloropropane	12.53	75	8259m	4.523	ug/l	
77) Bromobenzene	12.50	156	7175	4.903	ug/l	95
78) n-propylbenzene	12.56	91	33864	4.749	ug/l	99
79) 2-Chlorotoluene	12.65	91	20659	4.986	ug/l	100
80) 1,3,5-Trimethylbenzene	12.71	105	23616	4.626	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.27	75	3079	4.420	ug/l	98
82) 4-Chlorotoluene	12.75	91	21164	4.807	ug/l	98
83) tert-Butylbenzene	12.97	119	19631	4.584	ug/l	99
84) 1,2,4-Trimethylbenzene	13.01	105	24319	4.768	ug/l	96
85) sec-Butylbenzene	13.15	105	27262	4.690	ug/l	100
86) p-Isopropyltoluene	13.26	119	24194	4.591	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	12822	4.907	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	13020	4.919	ug/l	90
89) n-Butylbenzene	13.59	91	22264	4.628	ug/l	99
90) Hexachloroethane	13.85	117	1308	3.075	ug/l	95
91) 1,2-Dichlorobenzene	13.63	146	12118	4.976	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.25	75	1970	5.446	ug/l	99

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Misc : 5.00mL/MSVOA N/WATER
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MSVOA_N
ClientSampleId :
VSTDICC005

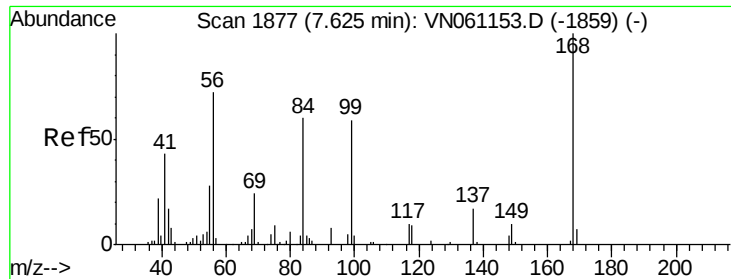
Manual Integrations
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4/28/2020 8:14:34 PM

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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	6971	4.316	ug/l	96
94) Hexachlorobutadiene	14.98	225	3270	4.674	ug/l	93
95) Naphthalene	15.10	128	21926	4.363	ug/l	100
96) 1,2,3-Trichlorobenzene	15.28	180	6942	4.464	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VN061151.D

Acq: 27 Apr 2020 16:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion:168 Resp: 106032

Ion Ratio Lower Upper

168 100

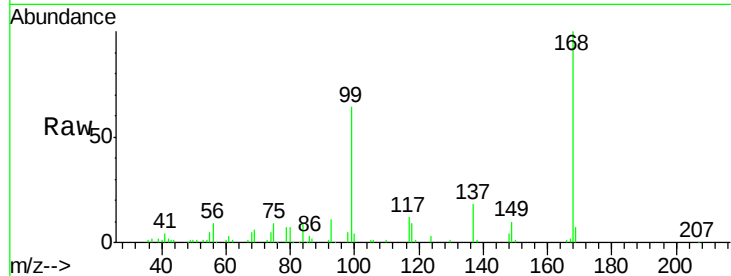
99 64.0 51.2 76.8

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.63

50000

40000

30000

20000

10000

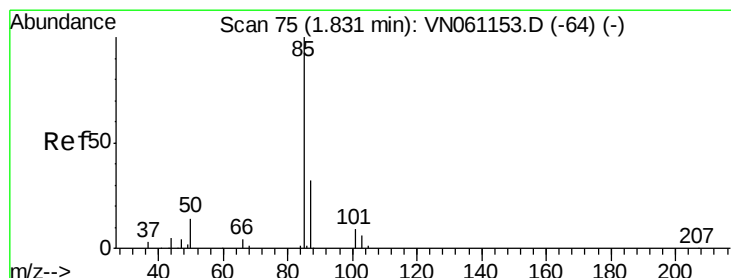
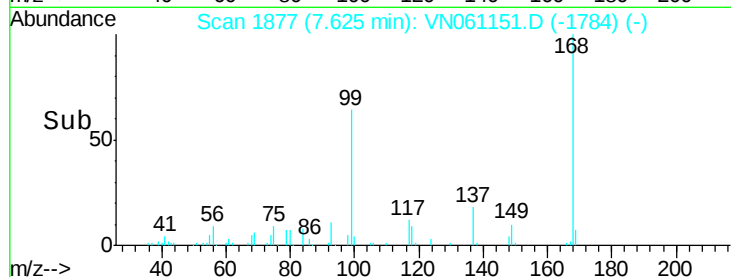
0

7.50

7.60

7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 4.908 ug/l

RT: 1.83 min Scan# 74

Delta R.T. -0.00 min

Lab File: VN061151.D

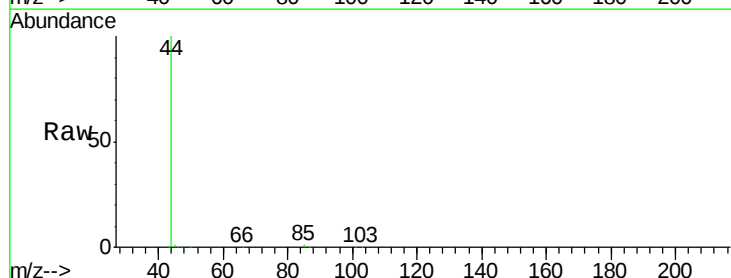
Acq: 27 Apr 2020 16:26

Tgt Ion: 85 Resp: 4951

Ion Ratio Lower Upper

85 100

87 31.9 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.83

4000

3000

2000

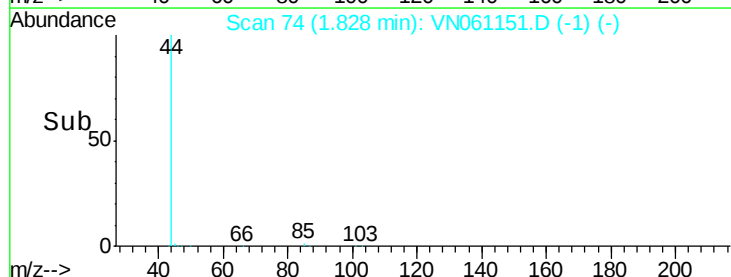
1000

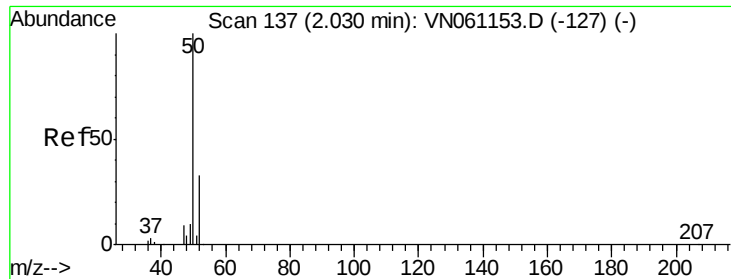
0

1.80

1.85

Time-->





#3

Chloromethane

Concen: 5.270 ug/l

RT: 2.03 min Scan# 137

Delta R.T. 0.00 min

Lab File: VN061151.D

Acq: 27 Apr 2020 16:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 50 Resp: 6481

Ion Ratio Lower Upper

50 100

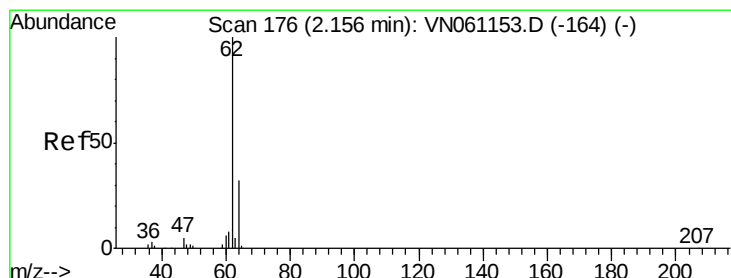
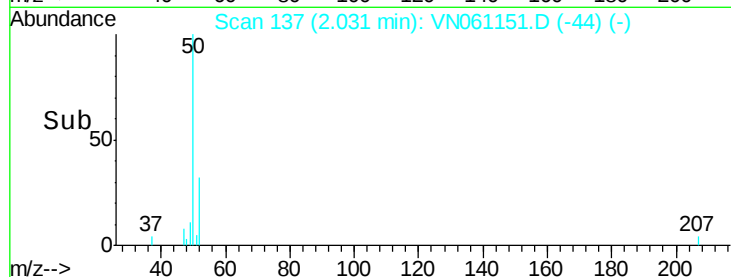
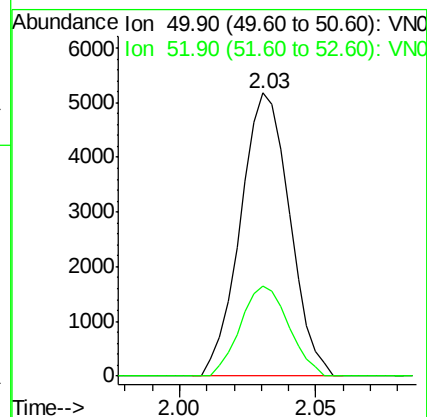
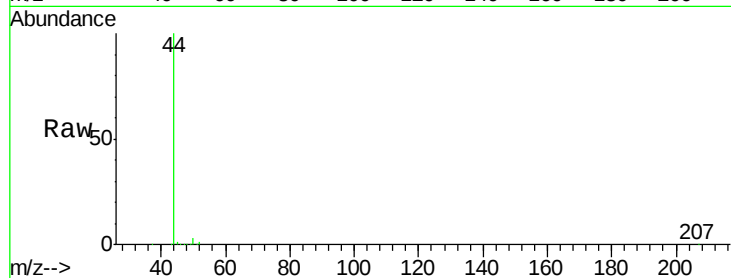
52 31.8 26.0 39.0

Manual Integrations

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#4

Vinyl Chloride

Concen: 5.068 ug/l

RT: 2.16 min Scan# 176

Delta R.T. 0.00 min

Lab File: VN061151.D

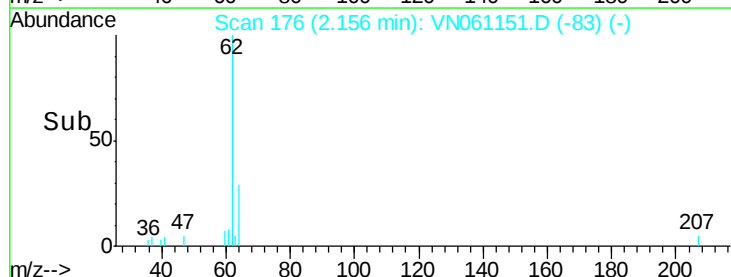
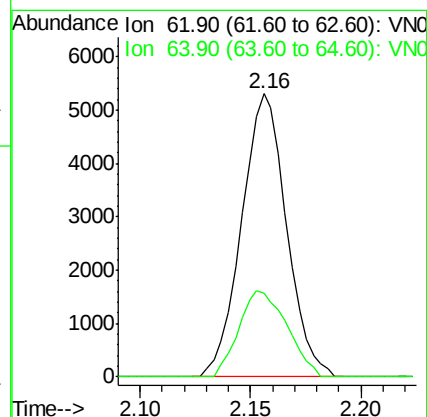
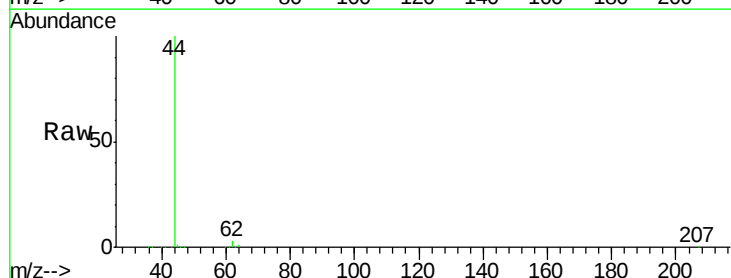
Acq: 27 Apr 2020 16:26

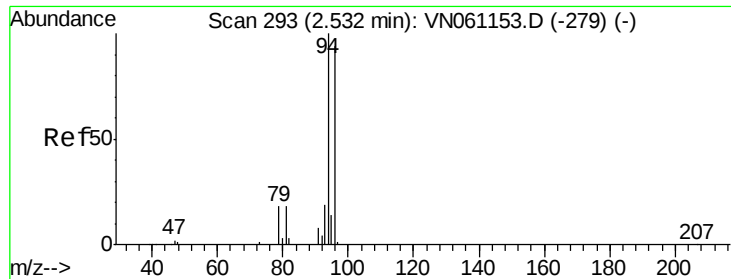
Tgt Ion: 62 Resp: 7493

Ion Ratio Lower Upper

62 100

64 29.5 25.2 37.8





#5

Bromomethane

Concen: 5.331 ug/l

RT: 2.53 min Scan# 292

Delta R.T. -0.00 min

Lab File: VN061151.D

Acq: 27 Apr 2020 16:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 94 Resp: 3833

Ion Ratio Lower Upper

94 100

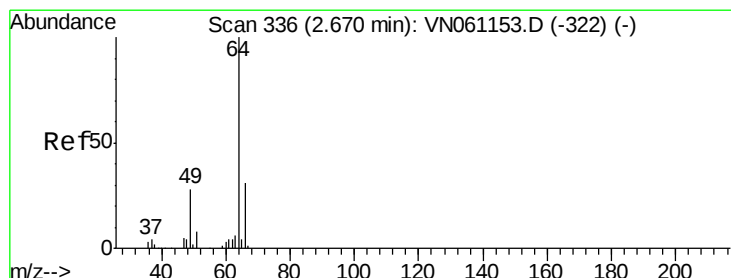
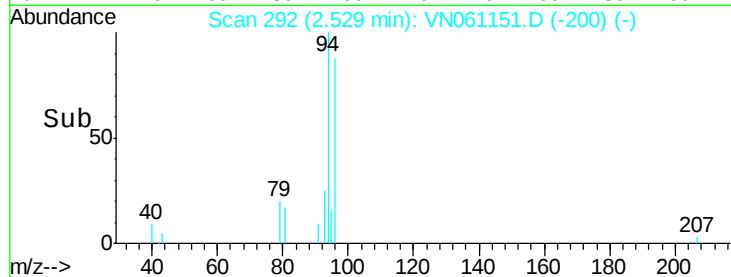
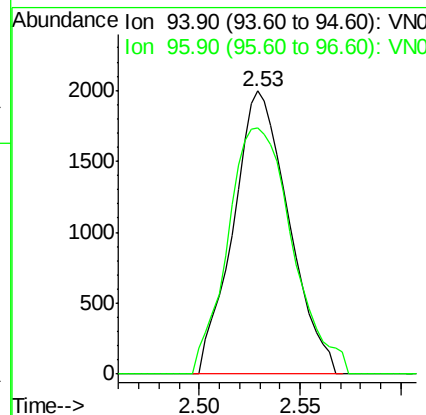
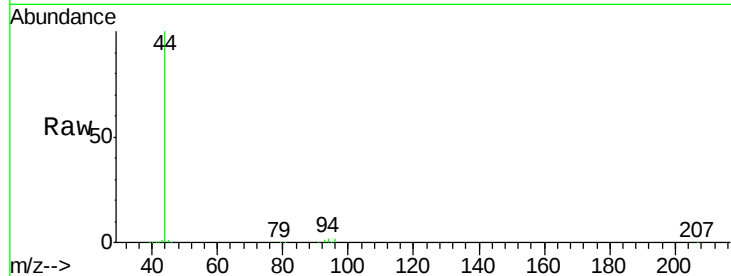
96 87.2 75.1 112.7

Manual Integrations

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#6

Chloroethane

Concen: 5.993 ug/l

RT: 2.67 min Scan# 336

Delta R.T. 0.00 min

Lab File: VN061151.D

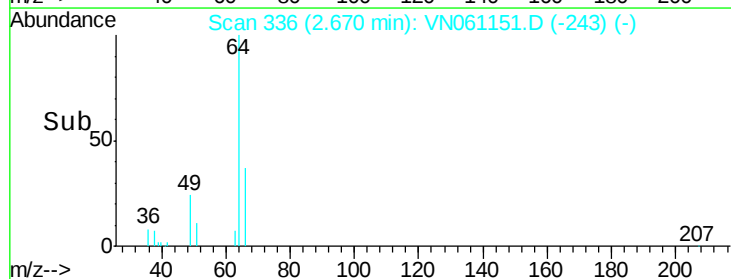
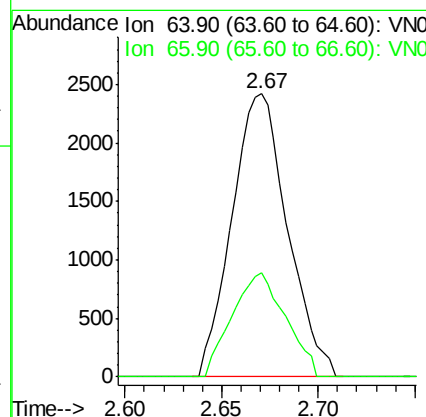
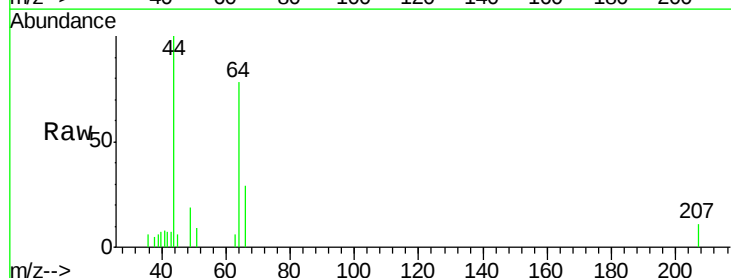
Acq: 27 Apr 2020 16:26

Tgt Ion: 64 Resp: 4836

Ion Ratio Lower Upper

64 100

66 36.6 24.6 36.8





#7

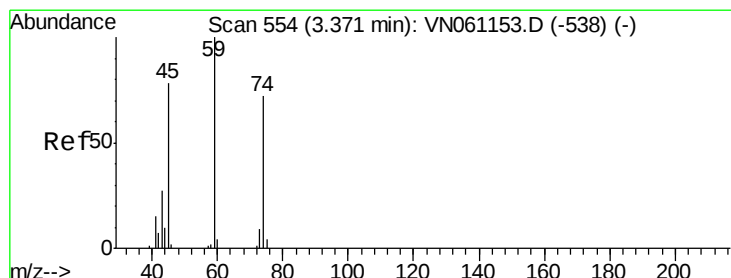
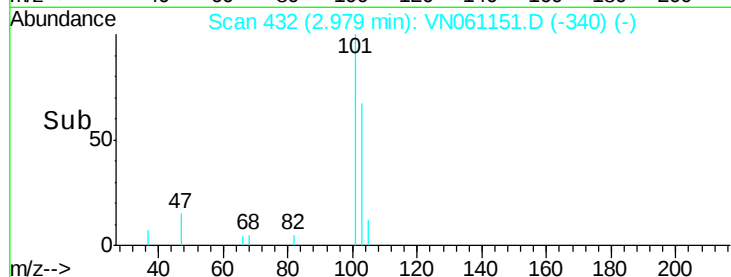
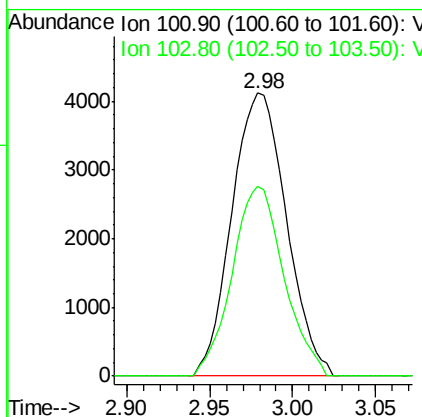
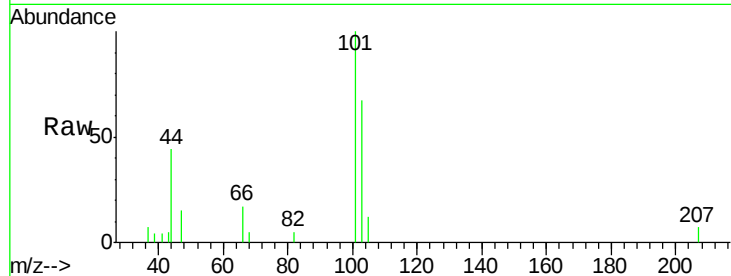
Trichlorofluoromethane
 Concen: 5.916 ug/l
 RT: 2.98 min Scan# 432
 Delta R.T. -0.00 min
 Lab File: VN061151.D
 Acq: 27 Apr 2020 16:26

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 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
101	100		
103	67.1	50.6	76.0

Manual Integrations
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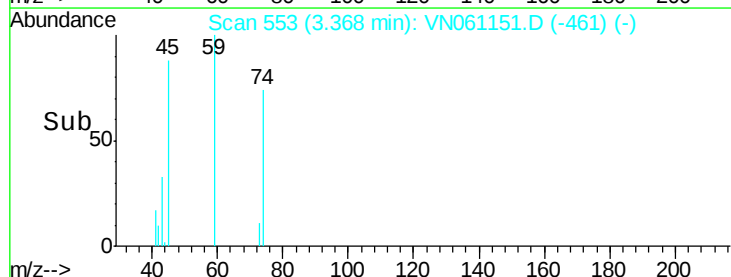
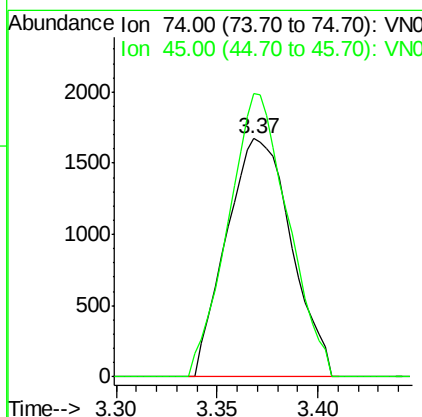
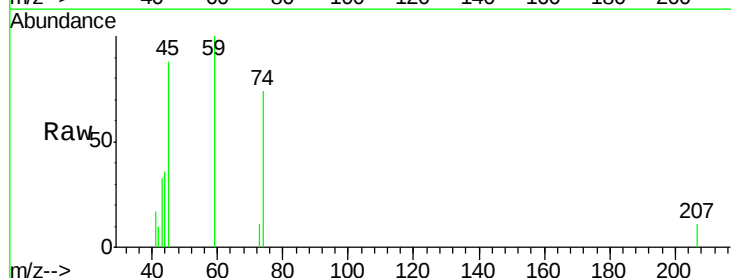
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#8

Diethyl Ether
 Concen: 5.159 ug/l
 RT: 3.37 min Scan# 553
 Delta R.T. -0.00 min
 Lab File: VN061151.D
 Acq: 27 Apr 2020 16:26

Tgt Ion	Ratio	Lower	Upper
74	100		
45	109.1	53.3	160.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.562 ug/l

RT: 3.71 min Scan# 660

Delta R.T. -0.00 min

Lab File: VN061151.D

Acq: 27 Apr 2020 16:26

Instrument :

MSVOA_N

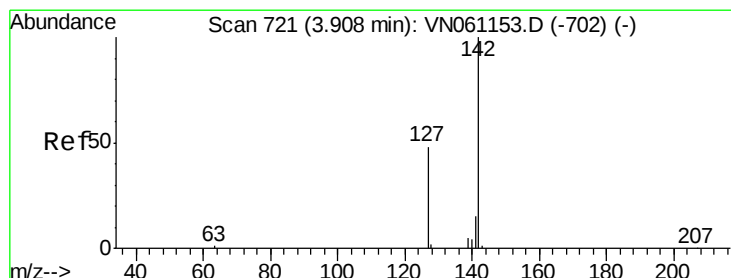
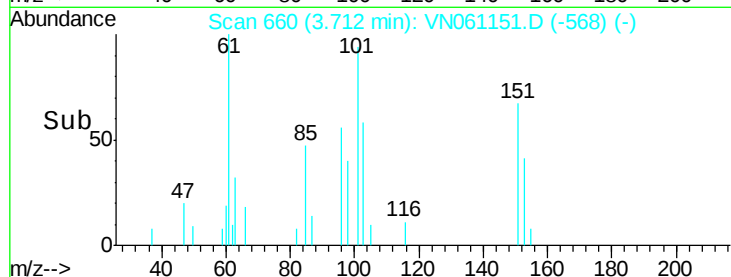
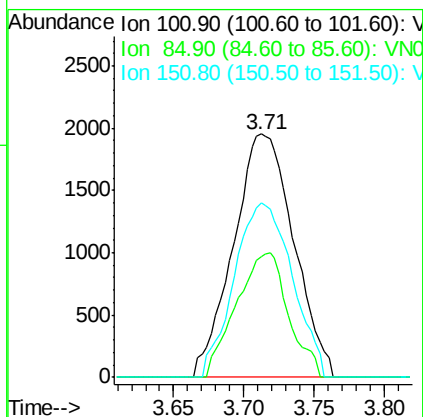
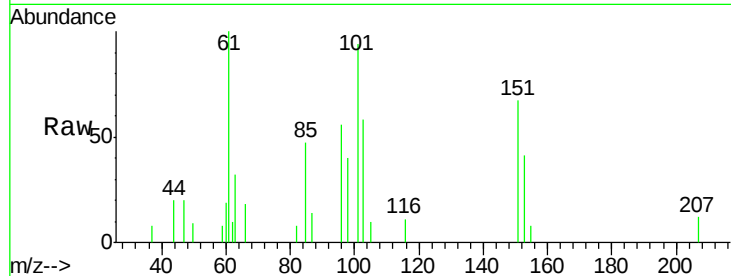
ClientSampleId :

VSTDIC005

Tot Ion:	101	Resp:	5837
Ion Ratio	Lower	Upper	
101	100		
85	44.1	37.2	55.8
151	68.9	57.7	86.5

Manual Integrations
APPROVED

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#10

Methyl Iodide

Concen: 4.513 ug/l

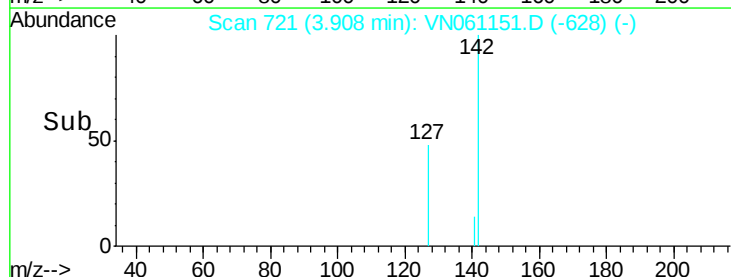
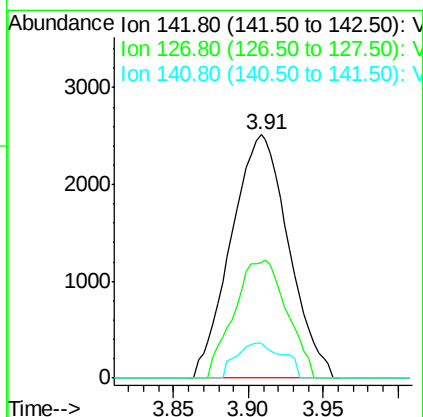
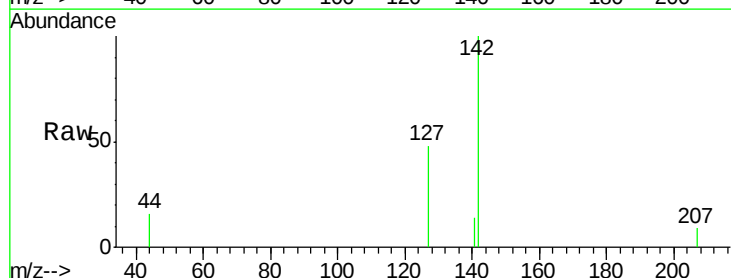
RT: 3.91 min Scan# 721

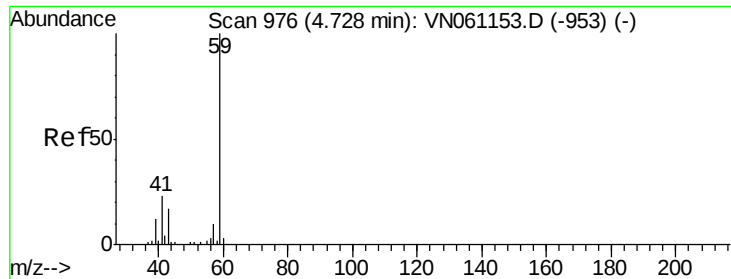
Delta R.T. 0.00 min

Lab File: VN061151.D

Acq: 27 Apr 2020 16:26

Tgt Ion:	142	Resp:	6711
Ion Ratio	Lower	Upper	
142	100		
127	44.5	38.0	57.0
141	11.7	11.7	17.5





#11

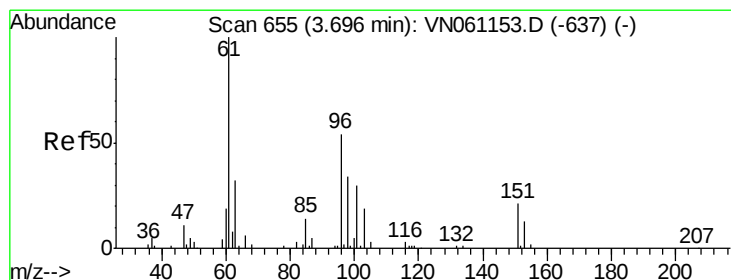
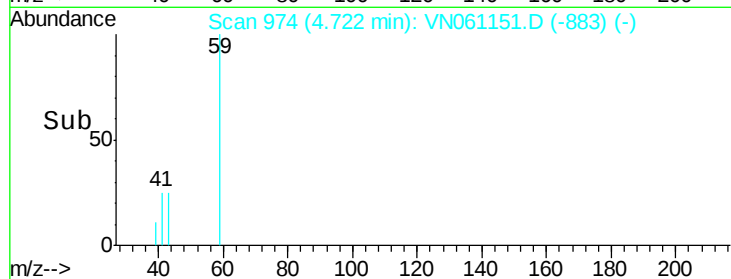
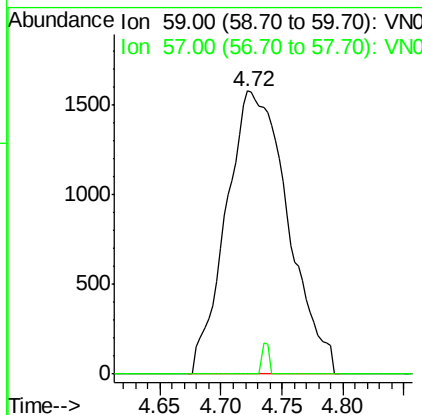
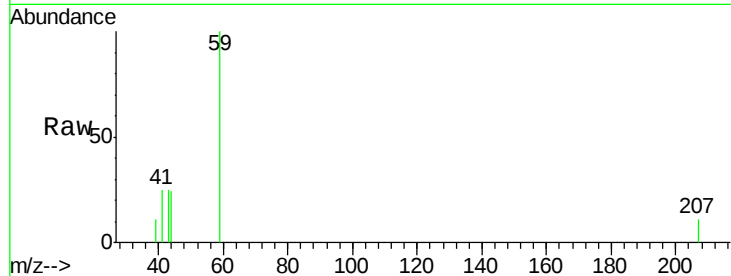
Tert butyl alcohol
Concen: 29.596 ug/l
RT: 4.72 min Scan# 974
Delta R.T. -0.01 min
Lab File: VN061151.D
Acq: 27 Apr 2020 16:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
59	100		
57	0.0	8.3	12.5#

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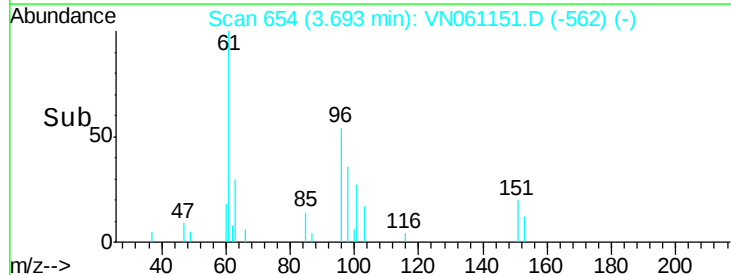
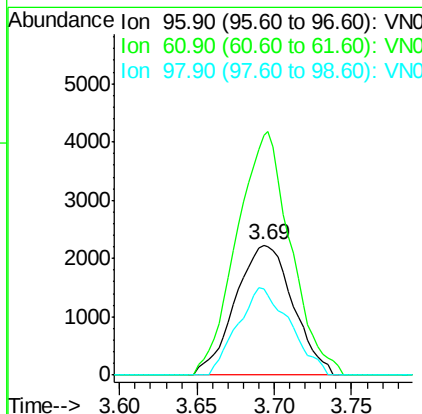
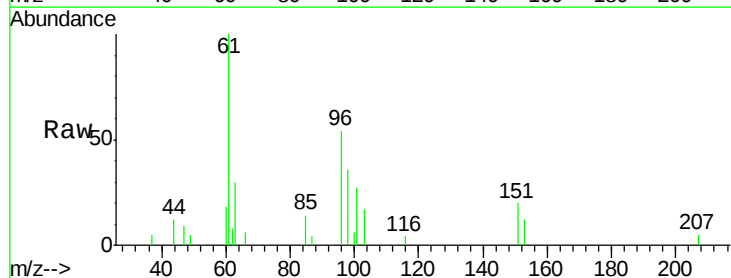
MMDadoda
4/28/2020 8:14:34 PM

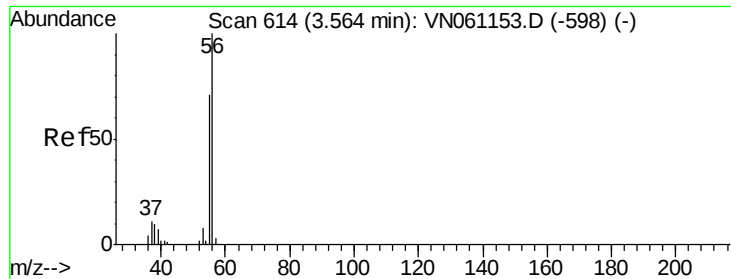


#12

1,1-Dichloroethene
Concen: 5.393 ug/l
RT: 3.69 min Scan# 654
Delta R.T. -0.00 min
Lab File: VN061151.D
Acq: 27 Apr 2020 16:26

Tgt Ion	Ratio	Lower	Upper
96	100		
61	184.6	147.0	220.6
98	65.9	49.8	74.6





#13

Acrolein

Concen: 25.891 ug/l

RT: 3.57 min Scan# 615

Delta R.T. 0.00 min

Lab File: VN061151.D

Acq: 27 Apr 2020 16:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 56 Resp: 3603

Ion Ratio Lower Upper

56 100

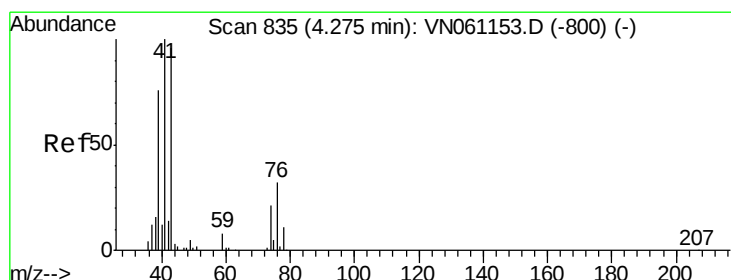
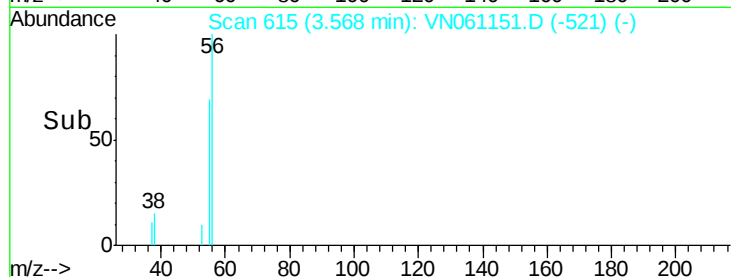
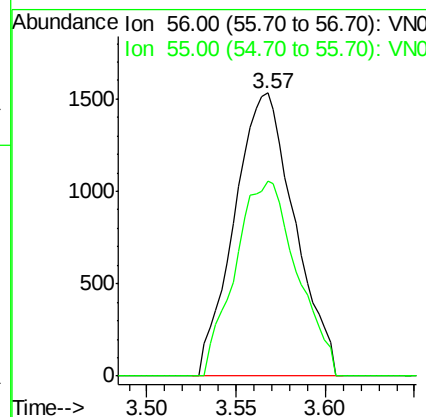
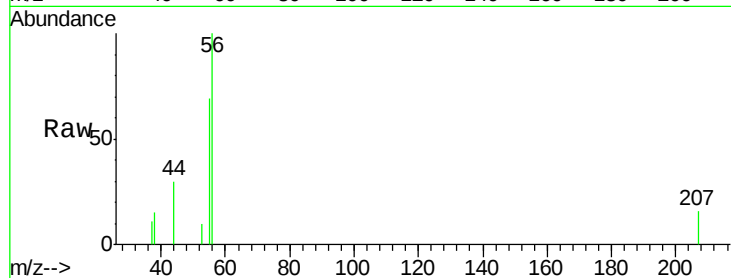
55 70.9 58.5 87.7

Manual Integrations

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#14

Allyl chloride

Concen: 6.579 ug/l

RT: 4.28 min Scan# 836

Delta R.T. 0.00 min

Lab File: VN061151.D

Acq: 27 Apr 2020 16:26

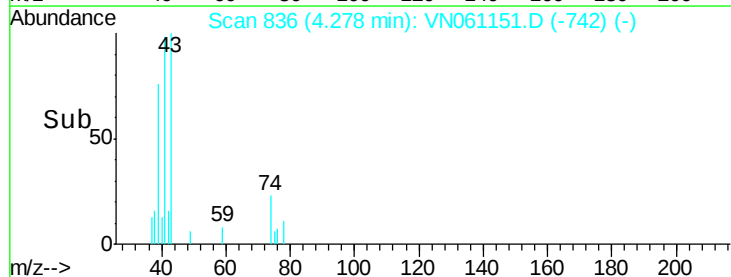
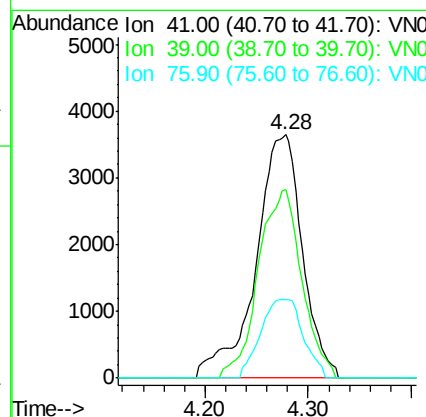
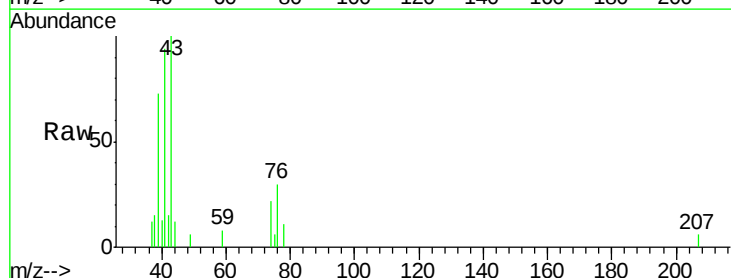
Tgt Ion: 41 Resp: 11417

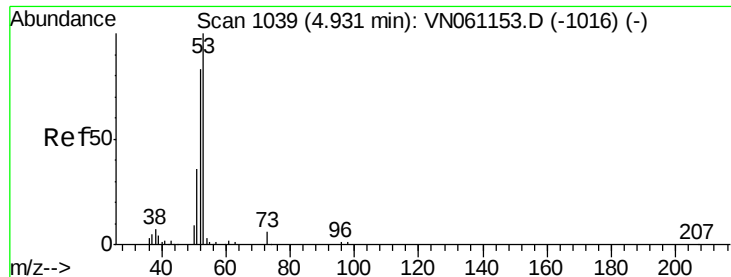
Ion Ratio Lower Upper

41 100

39 72.1 57.1 85.7

76 29.5 24.3 36.5





#15

Acrylonitrile

Concen: 29.713 ug/l

RT: 4.93 min Scan# 1039

Delta R.T. 0.00 min

Lab File: VN061151.D

Acq: 27 Apr 2020 16:26

Instrument :

MSVOA_N

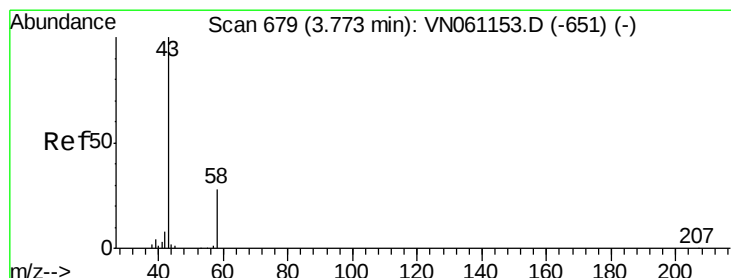
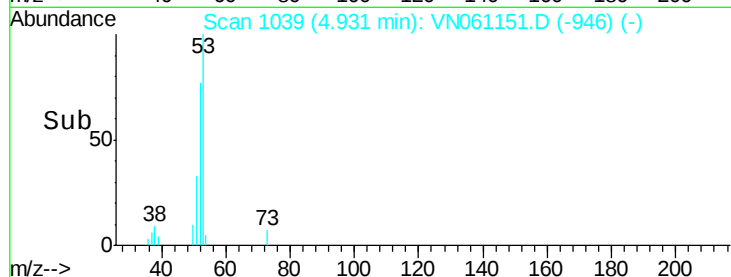
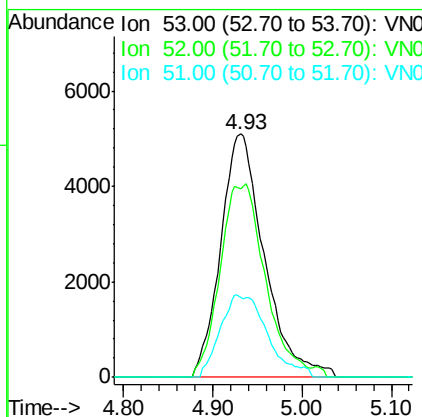
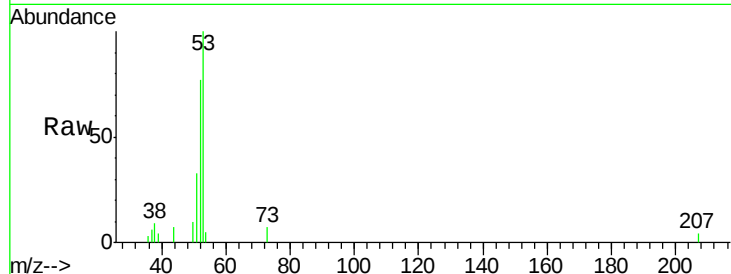
ClientSampleId :

VSTDIC005

Tot Ion:	53	Resp:	17269
Ion	Ratio	Lower	Upper
53	100		
52	82.0	65.4	98.0
51	18.0	29.5	44.3#

Manual Integrations
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#16

Acetone

Concen: 31.554 ug/l

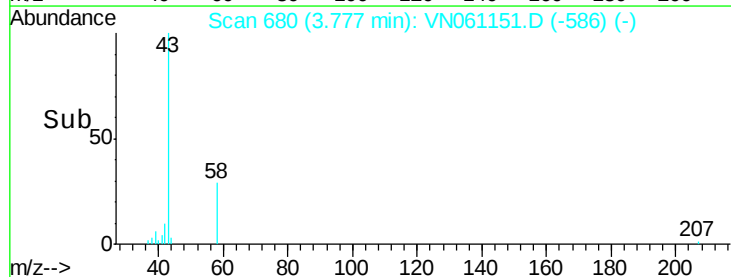
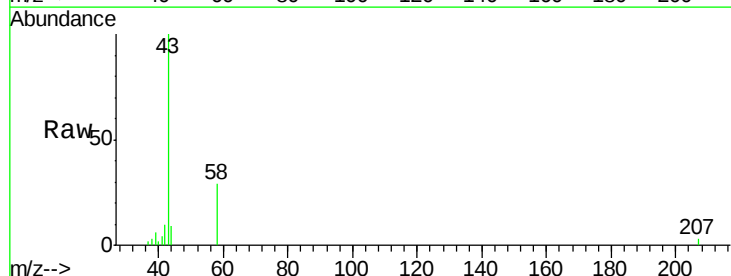
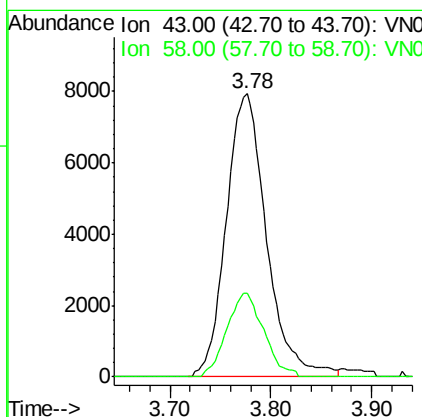
RT: 3.78 min Scan# 680

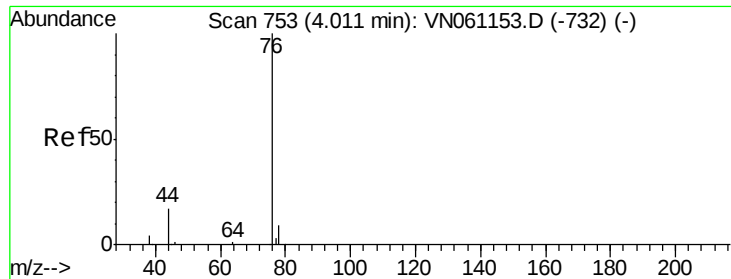
Delta R.T. 0.00 min

Lab File: VN061151.D

Acq: 27 Apr 2020 16:26

Tgt Ion:	43	Resp:	22058
Ion	Ratio	Lower	Upper
43	100		
58	29.4	22.2	33.2





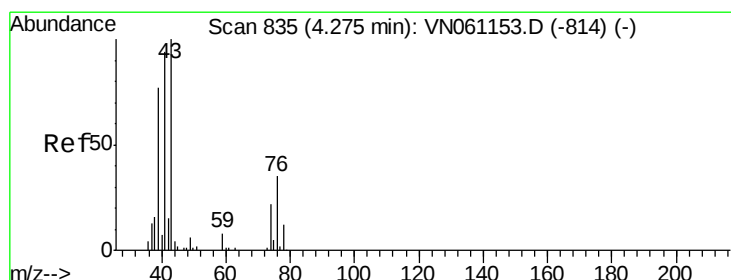
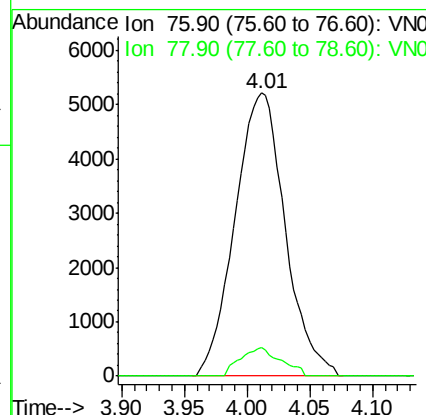
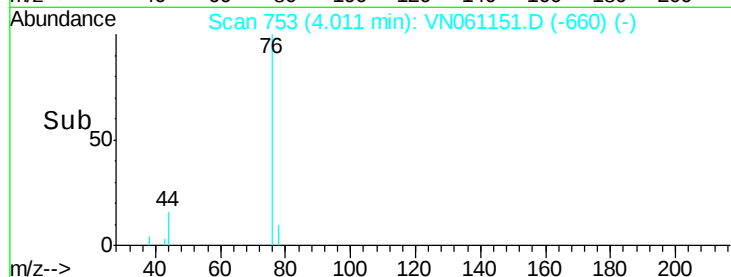
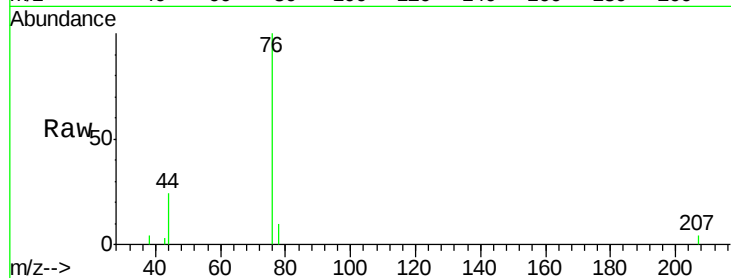
#17
Carbon Disulfide
Concen: 4.586 ug/l
RT: 4.01 min Scan# 753
Delta R.T. 0.00 min
Lab File: VN061151.D
Acq: 27 Apr 2020 16:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion: 76 Resp: 14498
Ion Ratio Lower Upper
76 100
78 10.2 7.2 10.8

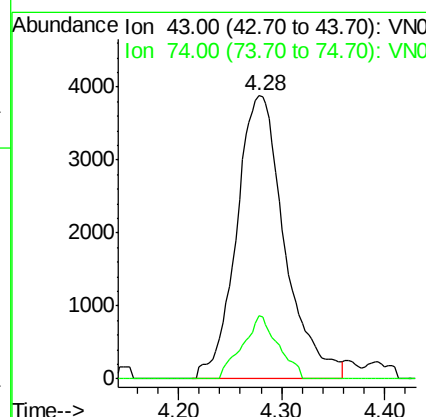
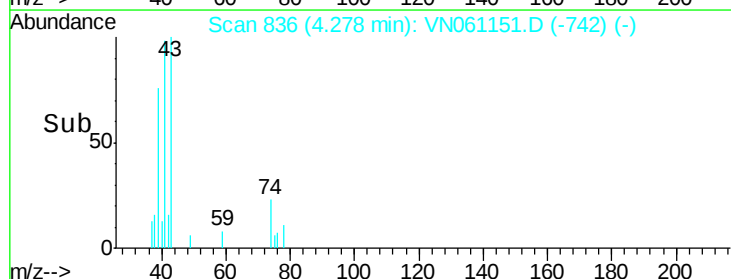
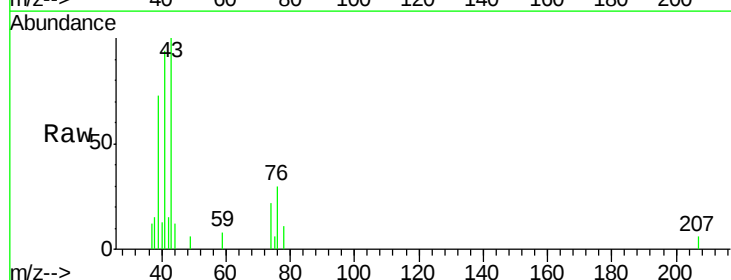
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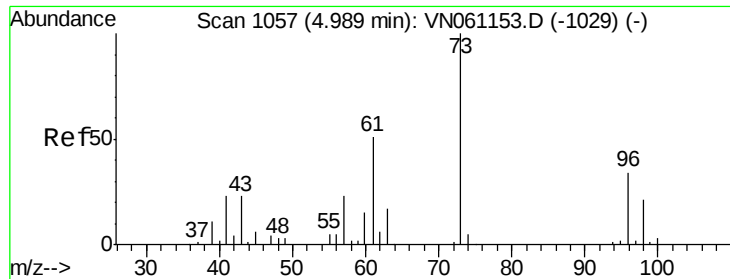
MMDadoda
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#18
Methyl Acetate
Concen: 6.671 ug/l
RT: 4.28 min Scan# 836
Delta R.T. 0.00 min
Lab File: VN061151.D
Acq: 27 Apr 2020 16:26

Tgt Ion: 43 Resp: 12627
Ion Ratio Lower Upper
43 100
74 16.5 17.0 25.4#





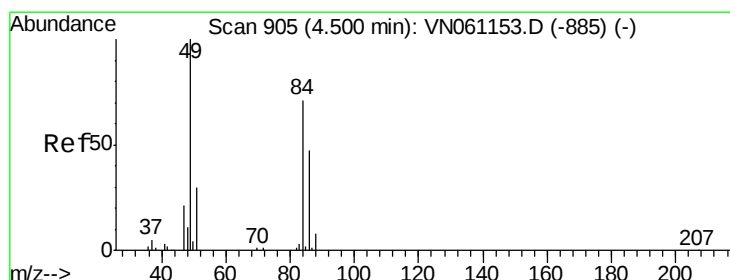
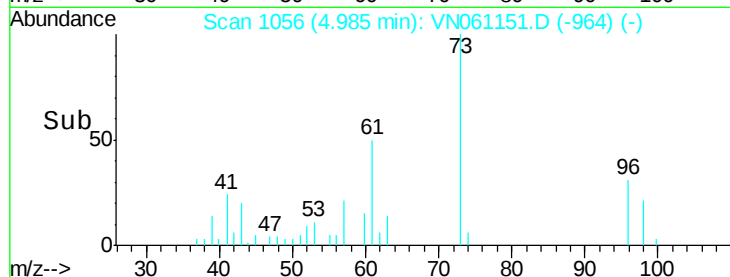
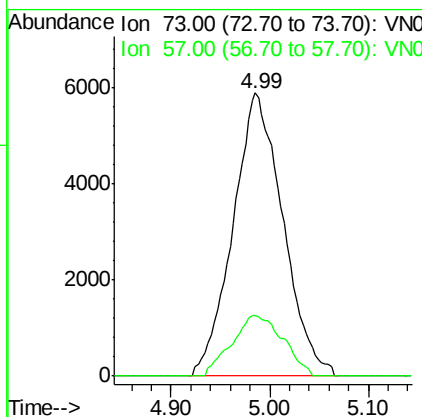
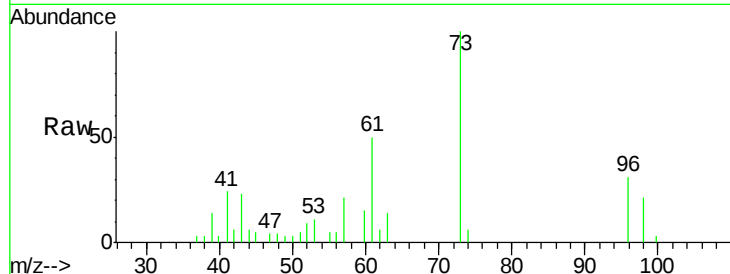
#19
Methyl tert-butyl Ether
Concen: 5.407 ug/l
RT: 4.99 min Scan# 1056
Delta R.T. -0.00 min
Lab File: VN061151.D
Acq: 27 Apr 2020 16:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion: 73 Resp: 20678
Ion Ratio Lower Upper
73 100
57 21.4 18.3 27.5

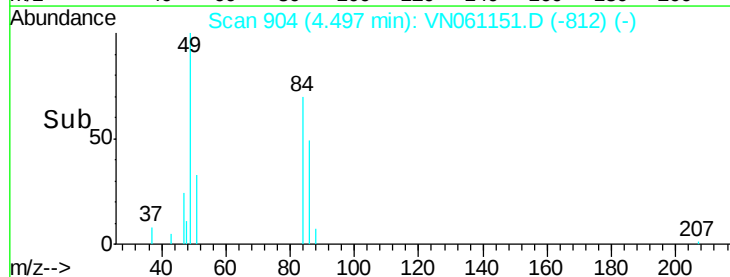
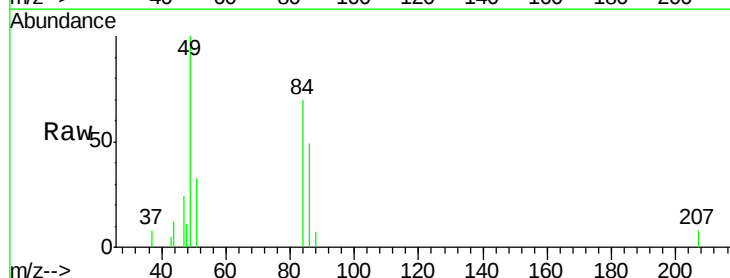
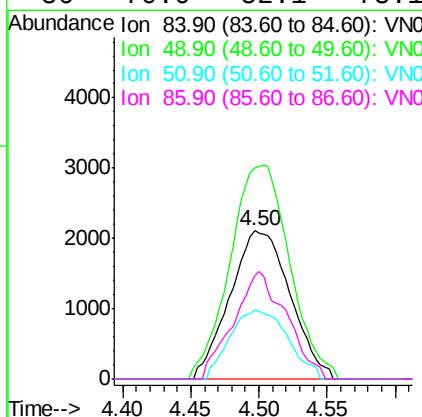
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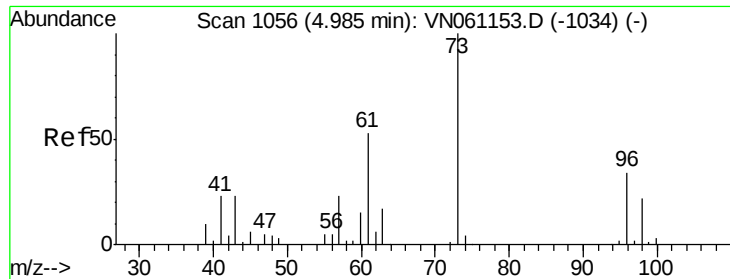
MMDadoda
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#20
Methylene Chloride
Concen: 5.212 ug/l
RT: 4.50 min Scan# 904
Delta R.T. -0.00 min
Lab File: VN061151.D
Acq: 27 Apr 2020 16:26

Tgt Ion: 84 Resp: 6485
Ion Ratio Lower Upper
84 100
49 142.7 112.0 168.0
51 46.6 33.6 50.4
86 70.0 52.1 78.1





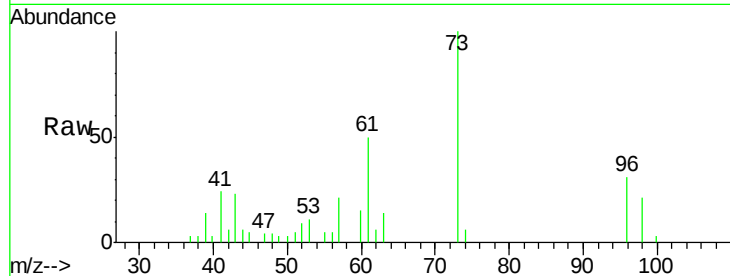
#21
trans-1,2-Dichloroethene
Concen: 4.562 ug/l
RT: 4.99 min Scan# 1056
Delta R.T. 0.00 min
Lab File: VN061151.D
Acq: 27 Apr 2020 16:26

Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
96	100		
61	154.4	123.0	184.4
98	69.8	50.1	75.1

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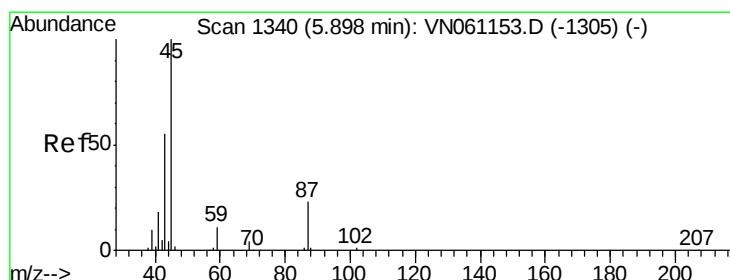
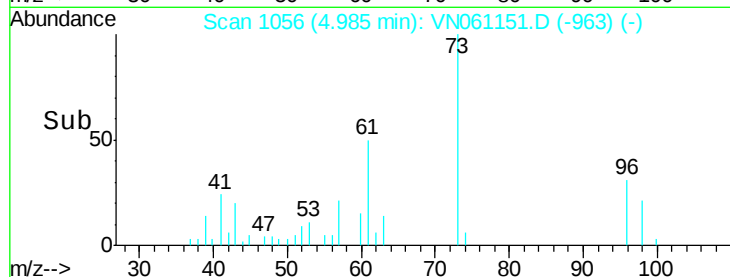
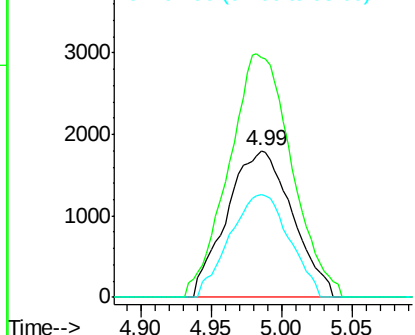


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22
Diisopropyl ether
Concen: 5.781 ug/l
RT: 5.90 min Scan# 1340
Delta R.T. 0.00 min
Lab File: VN061151.D
Acq: 27 Apr 2020 16:26

Tgt Ion	Ratio	Lower	Upper
45	100		
43	62.1	47.9	71.9
87	24.7	19.2	28.8
59	11.0	9.0	13.4

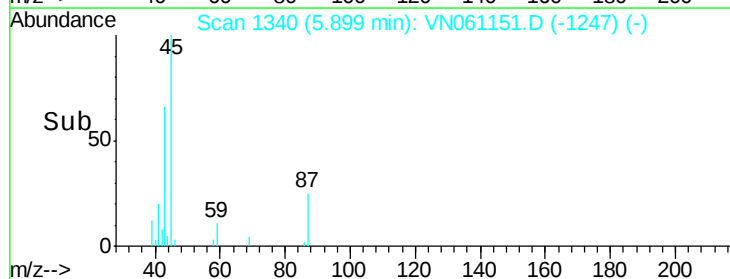
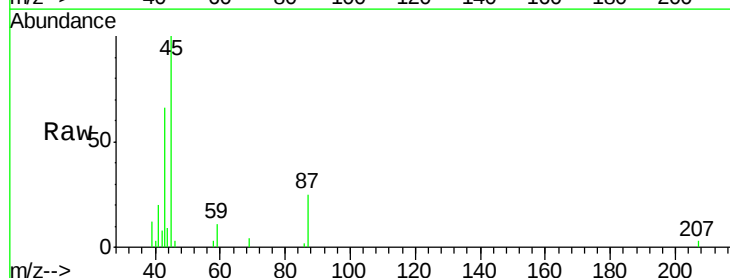
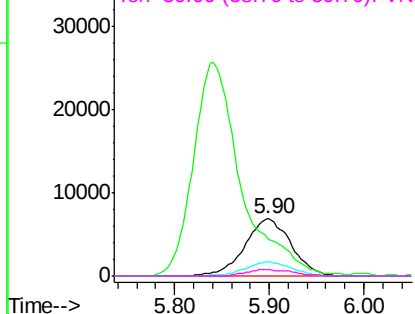
Abundance

Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





#23

Vinyl Acetate

Concen: 28.093 ug/l

RT: 5.84 min Scan# 1322

Delta R.T. 0.00 min

Lab File: VN061151.D

Acq: 27 Apr 2020 16:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 90766

Ion Ratio Lower Upper

43 100

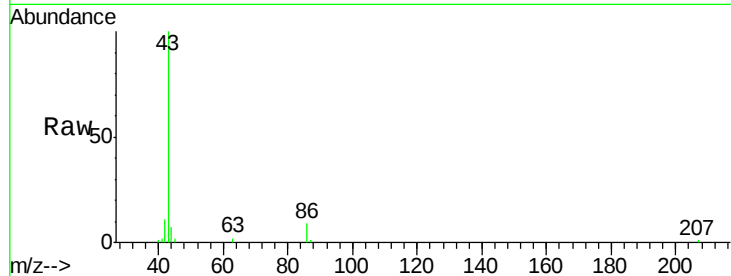
86 9.4 7.2 10.8

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

5.84

25000

20000

15000

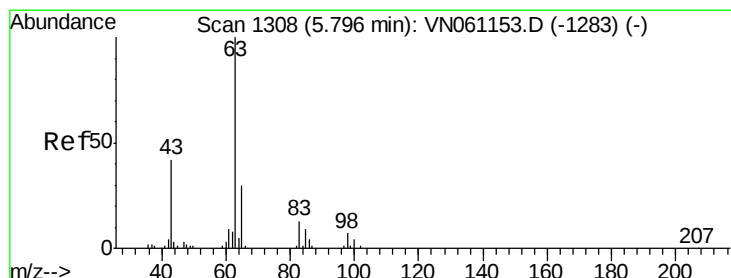
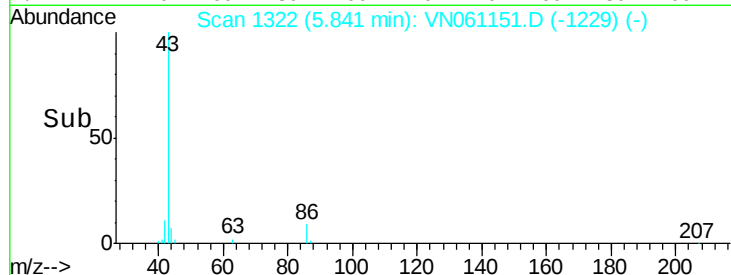
10000

5000

0

Time-->

5.70 5.80 5.90 6.00



#24

1,1-Dichloroethane

Concen: 5.870 ug/l

RT: 5.79 min Scan# 1307

Delta R.T. -0.00 min

Lab File: VN061151.D

Acq: 27 Apr 2020 16:26

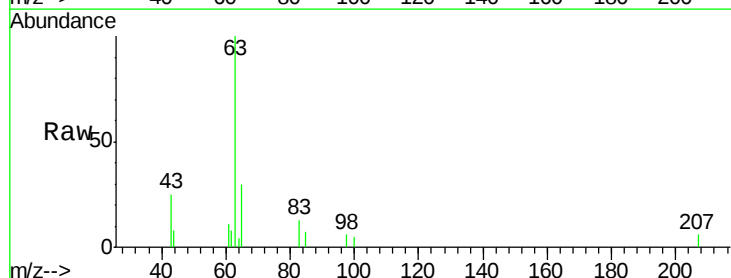
Tgt Ion: 63 Resp: 12900

Ion Ratio Lower Upper

63 100

98 6.3 3.3 9.9

100 5.4 1.9 5.7



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

5.79

5000

4000

3000

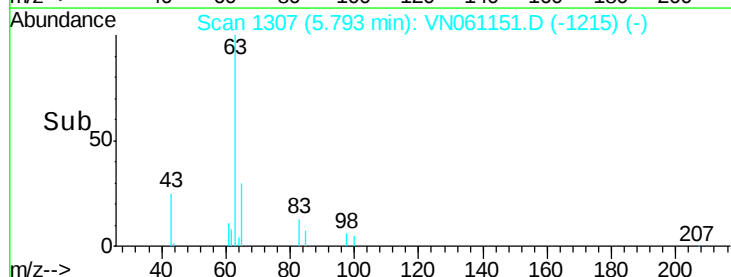
2000

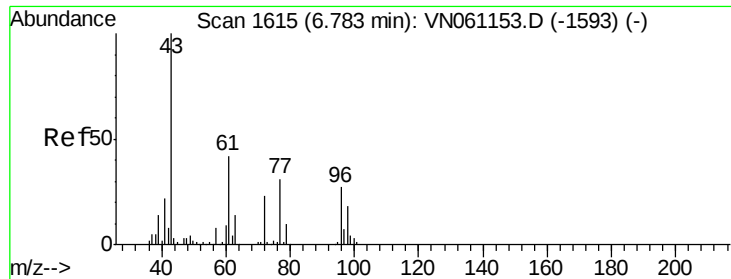
1000

0

Time-->

5.70 5.75 5.80 5.85





#25

2-Butanone

Concen: 30.472 ug/l

RT: 6.79 min Scan# 1616

Delta R.T. 0.00 min

Lab File: VN061151.D

Acq: 27 Apr 2020 16:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 24409

Ion Ratio Lower Upper

43 100

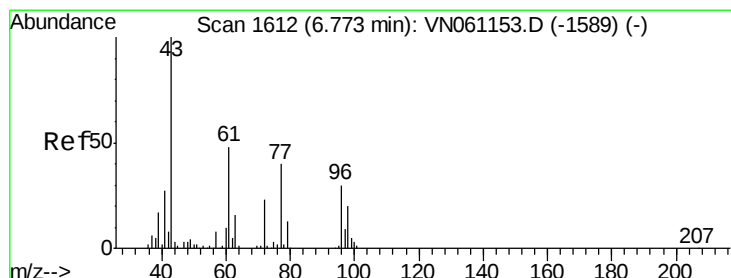
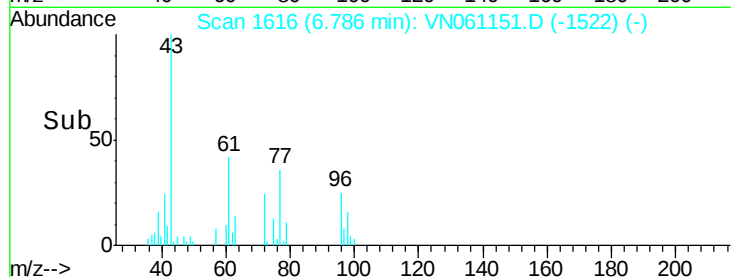
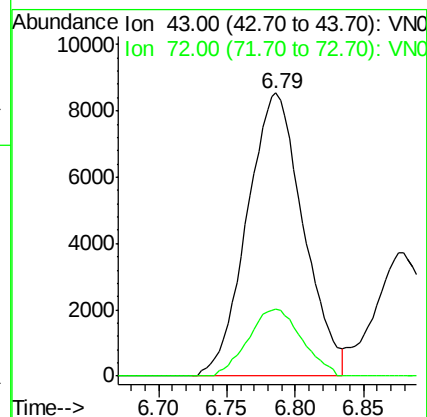
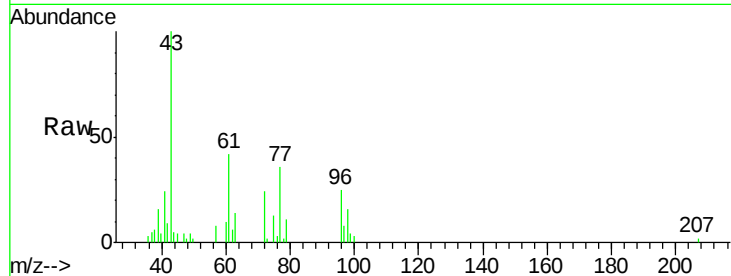
72 23.8 18.2 27.4

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 5.740 ug/l

RT: 6.78 min Scan# 1613

Delta R.T. 0.00 min

Lab File: VN061151.D

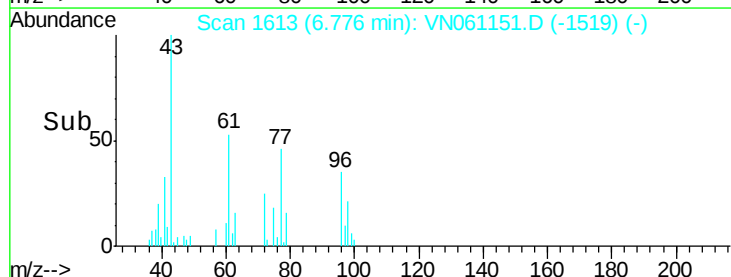
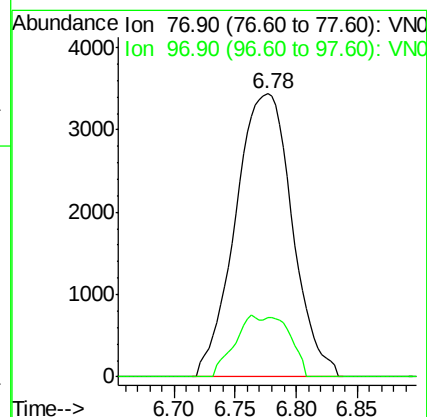
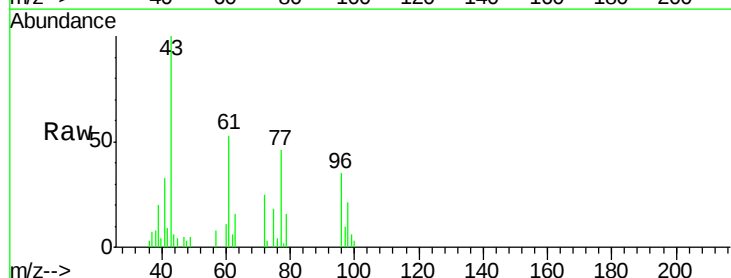
Acq: 27 Apr 2020 16:26

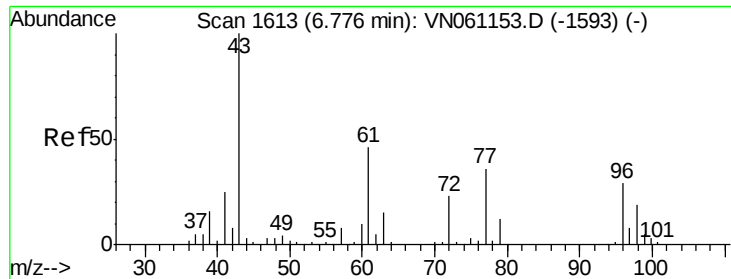
Tgt Ion: 77 Resp: 11129

Ion Ratio Lower Upper

77 100

97 9.9 10.5 31.5#





#27

cis-1,2-Dichloroethene

Concen: 5.204 ug/l

RT: 6.78 min Scan# 1613

Delta R.T. 0.00 min

Lab File: VN061151.D

Acq: 27 Apr 2020 16:26

Instrument :

MSVOA_N

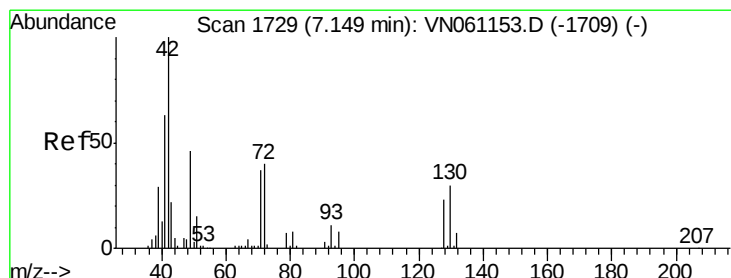
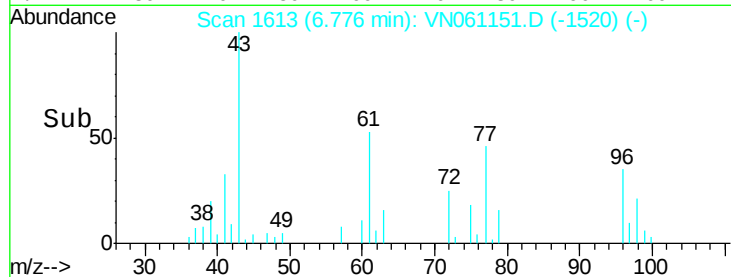
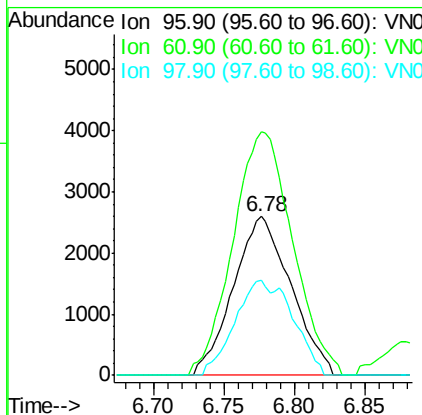
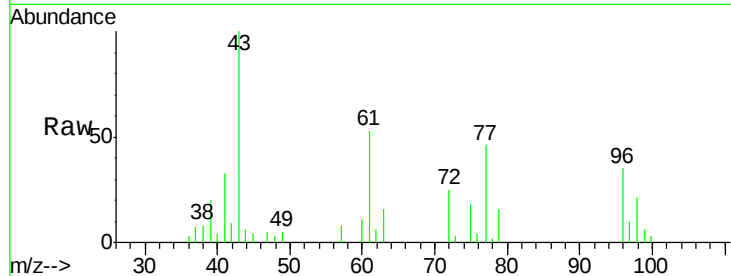
ClientSampleId :

VSTDIC005

Tot Ion:	96	Resp:	7393
Ion	Ratio	Lower	Upper
96	100		
61	159.0	0.0	322.0
98	60.2	0.0	129.6

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#28

Bromochloromethane

Concen: 6.630 ug/l

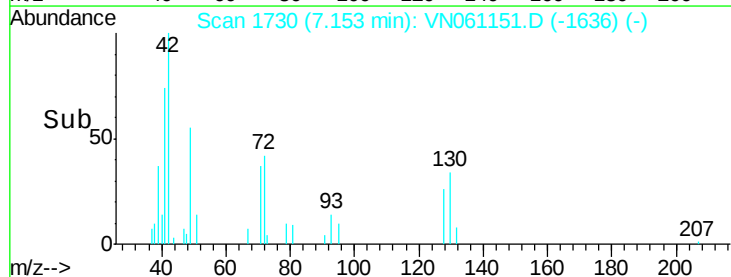
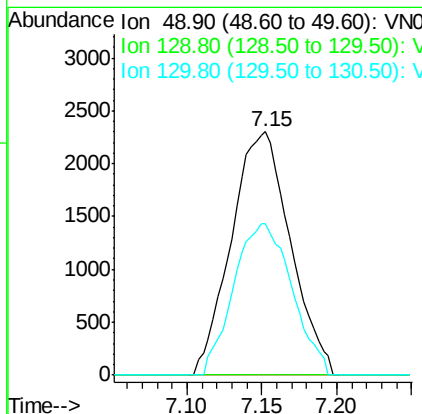
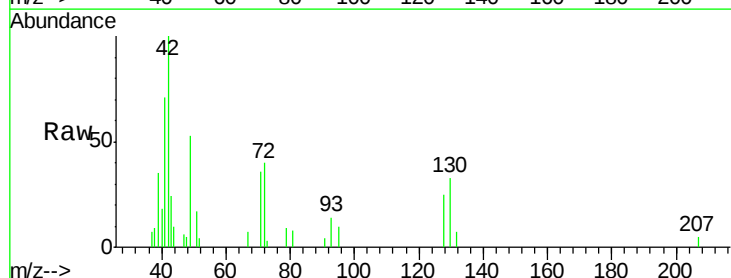
RT: 7.15 min Scan# 1730

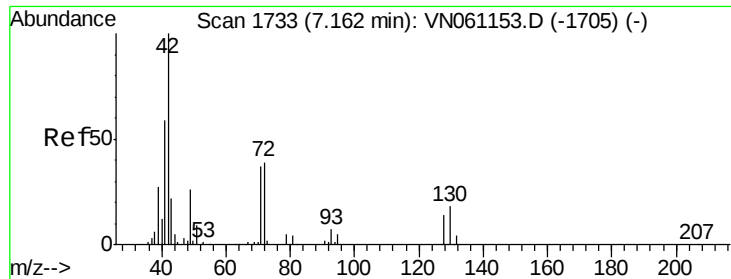
Delta R.T. 0.00 min

Lab File: VN061151.D

Acq: 27 Apr 2020 16:26

Tgt Ion:	49	Resp:	6319
Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	3.0
130	61.3	51.4	77.2





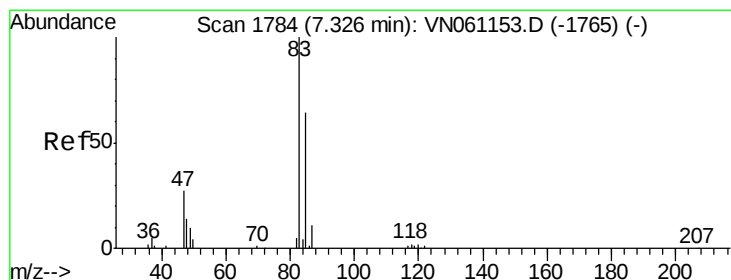
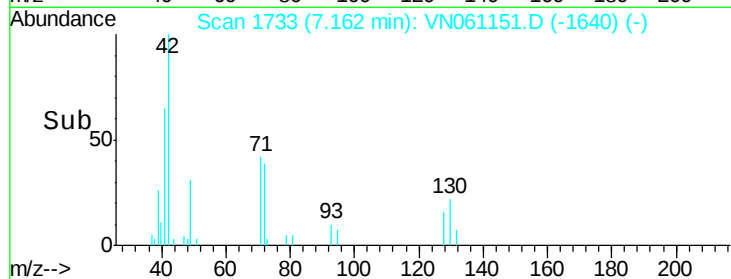
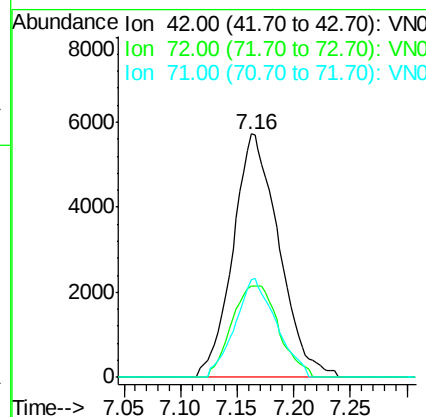
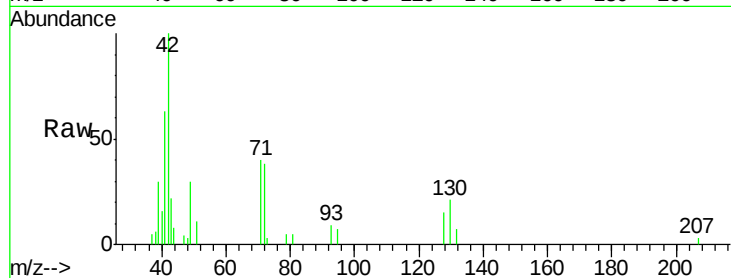
#29
Tetrahydrofuran
Concen: 29.343 ug/l
RT: 7.16 min Scan# 1733
Delta R.T. 0.00 min
Lab File: VN061151.D
Acq: 27 Apr 2020 16:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion:	42	Resp:	16171
Ion	Ratio	Lower	Upper
42	100		
72	38.3	31.4	47.0
71	36.5	29.5	44.3

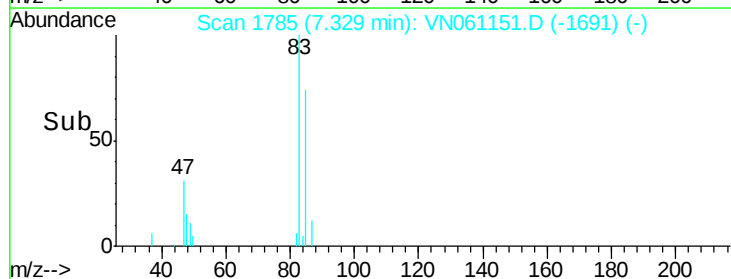
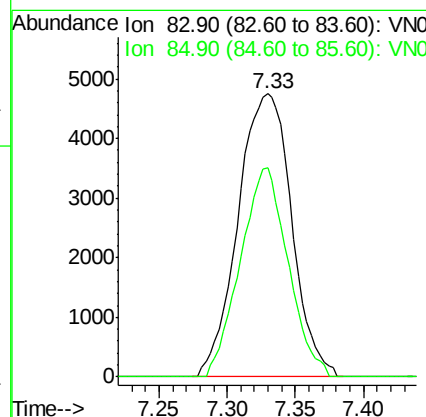
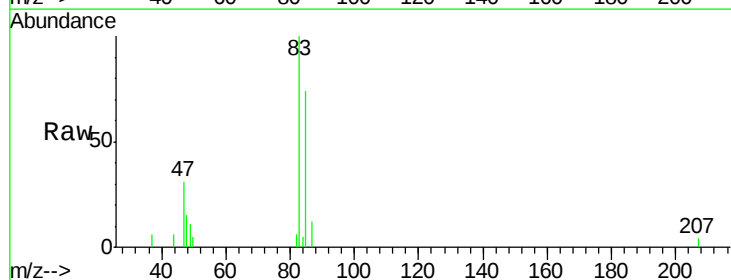
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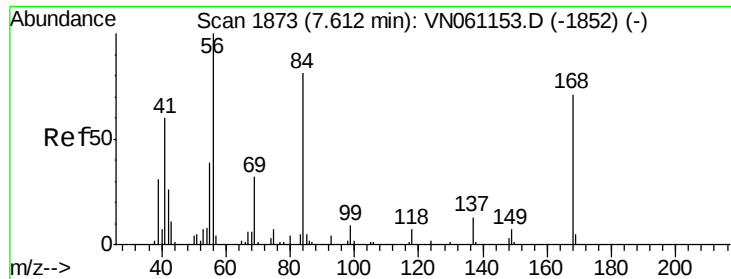
MMDadoda
4/28/2020 8:14:34 PM



#30
Chloroform
Concen: 5.828 ug/l
RT: 7.33 min Scan# 1785
Delta R.T. 0.00 min
Lab File: VN061151.D
Acq: 27 Apr 2020 16:26

Tgt Ion:	83	Resp:	12946
Ion	Ratio	Lower	Upper
83	100		
85	73.8	51.1	76.7





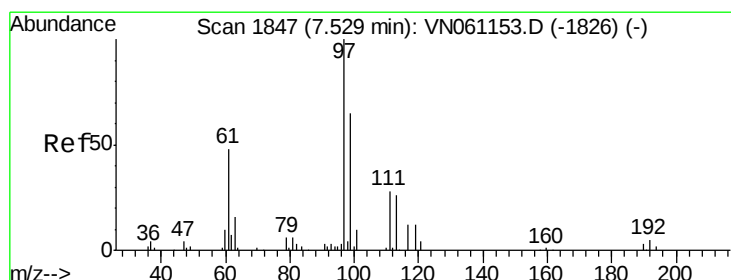
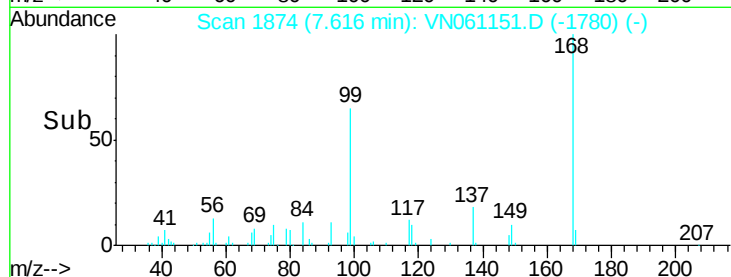
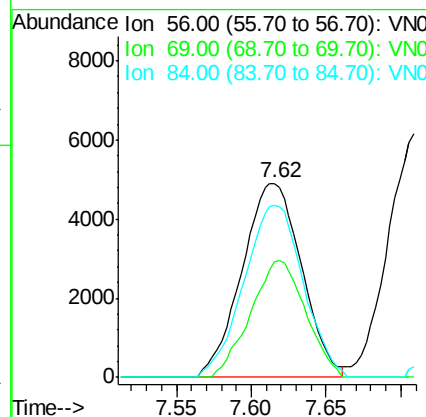
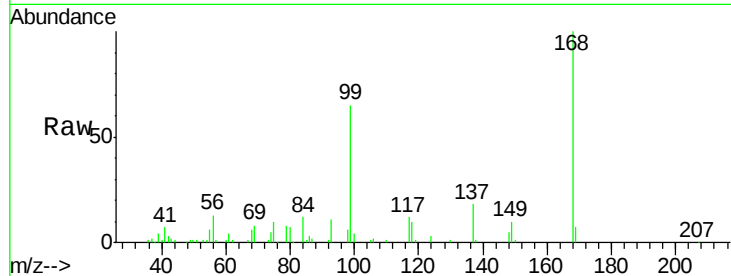
#31
Cyclohexane
Concen: 6.160 ug/l
RT: 7.62 min Scan# 1874
Delta R.T. 0.00 min
Lab File: VN061151.D
Acq: 27 Apr 2020 16:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
56	100		
69	59.3	25.7	38.5#
84	88.5	64.6	97.0

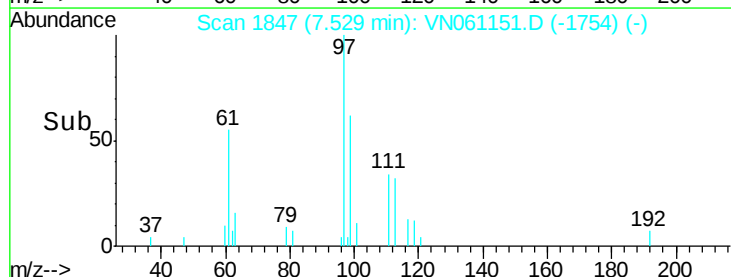
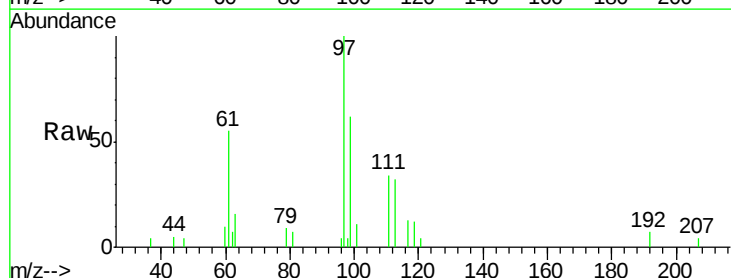
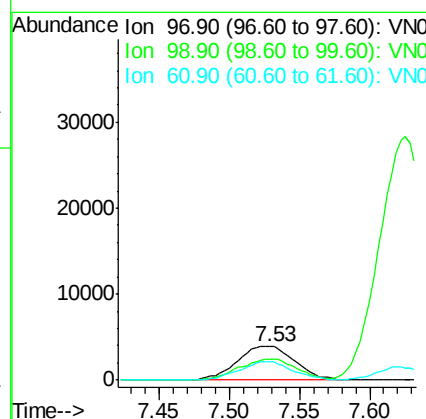
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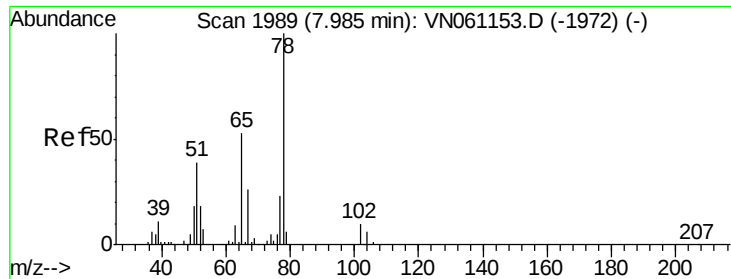
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#32
1,1,1-Trichloroethane
Concen: 5.606 ug/l
RT: 7.53 min Scan# 1847
Delta R.T. 0.00 min
Lab File: VN061151.D
Acq: 27 Apr 2020 16:26

Tgt Ion	Ratio	Lower	Upper
97	100		
99	62.5	51.3	76.9
61	50.4	38.6	57.8





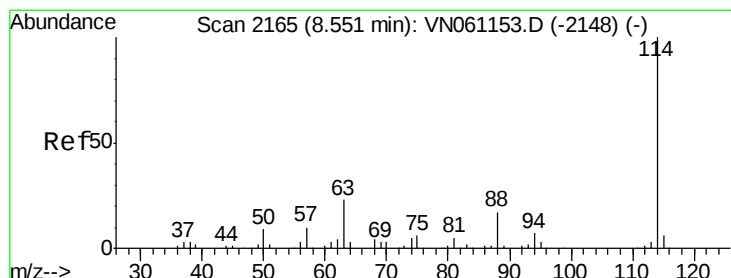
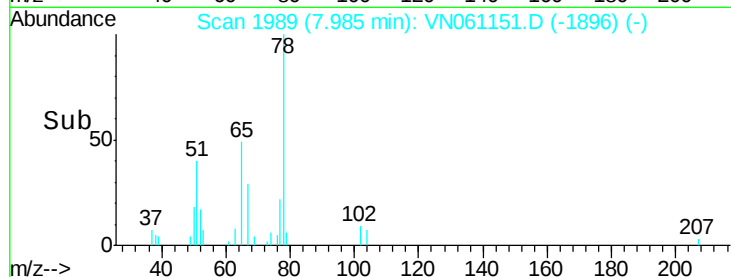
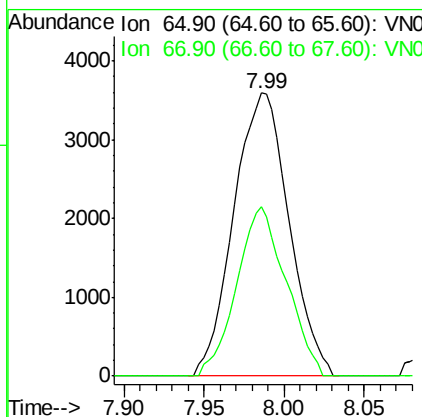
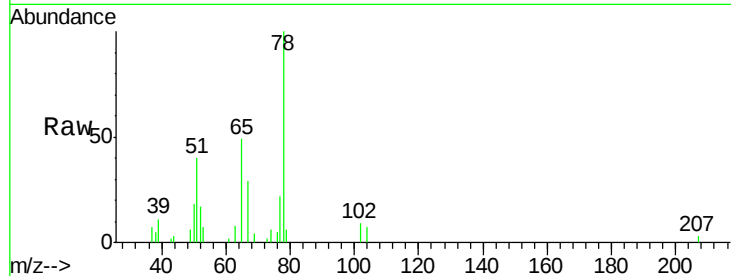
#33
 1,2-Dichloroethane-d4
 Concen: 5.842 ug/l
 RT: 7.99 min Scan# 1989
 Delta R.T. 0.00 min
 Lab File: VN061151.D
 Acq: 27 Apr 2020 16:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
65	100		
67	53.3	0.0	101.6

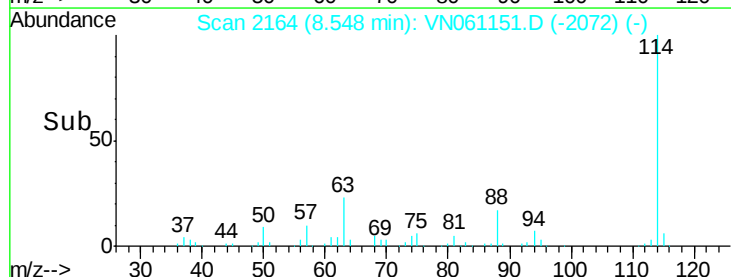
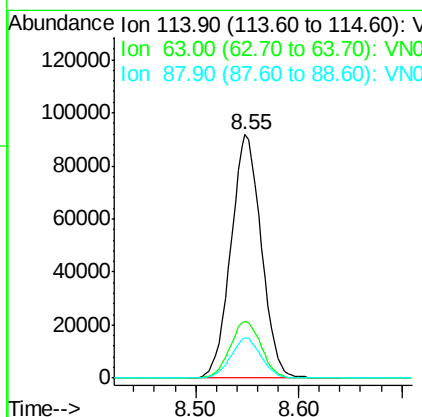
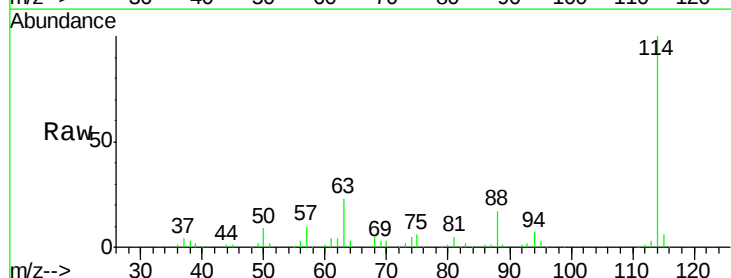
Manual Integrations
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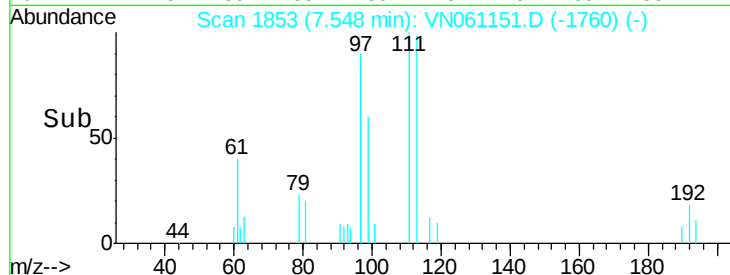
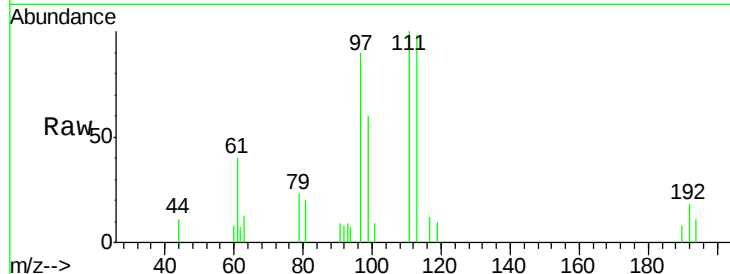
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 4/28/2020 8:14:34 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2164
 Delta R.T. -0.00 min
 Lab File: VN061151.D
 Acq: 27 Apr 2020 16:26

Tgt Ion	Ratio	Lower	Upper
114	100		
63	23.1	0.0	46.6
88	16.6	0.0	33.4





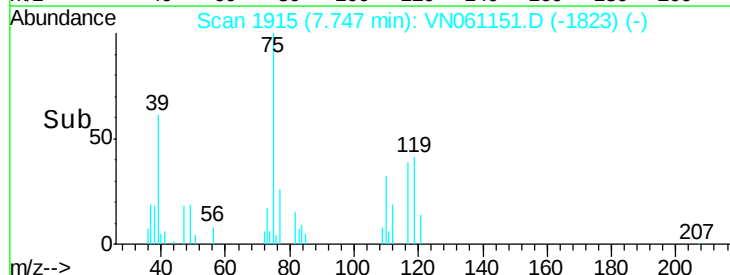
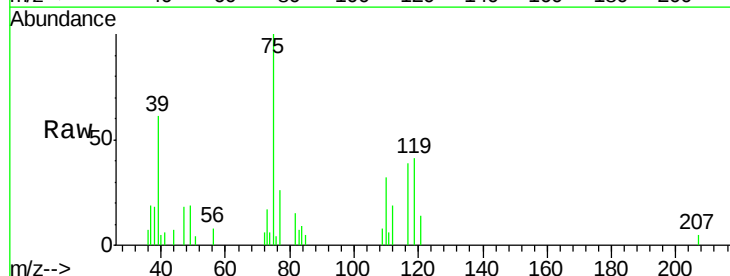
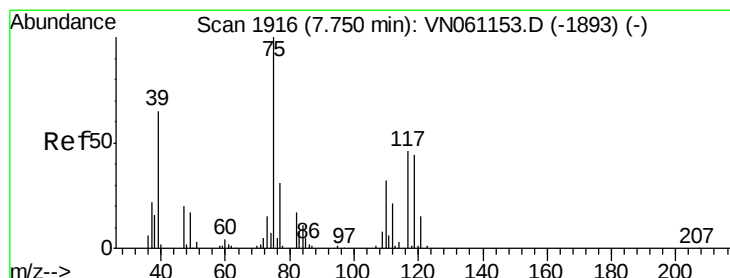
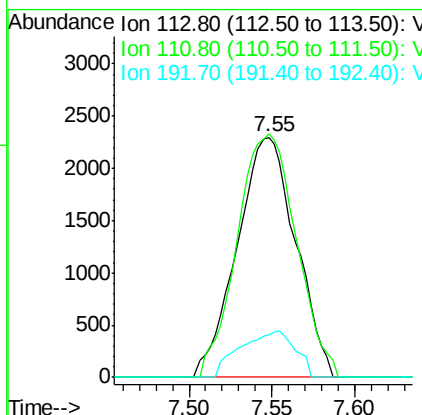
#35
Dibromofluoromethane
Concen: 5.241 ug/l
RT: 7.55 min Scan# 1853
Delta R.T. 0.00 min
Lab File: VN061151.D
Acq: 27 Apr 2020 16:26

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.7	82.9	124.3
192	18.1	14.7	22.1

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

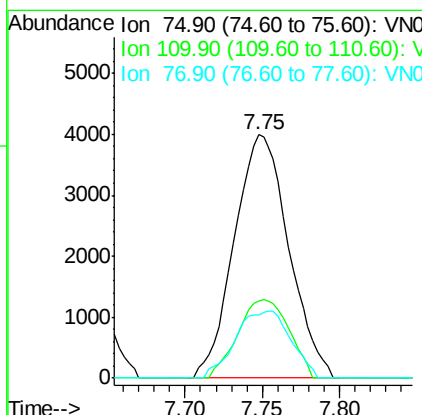
Manual Integrations
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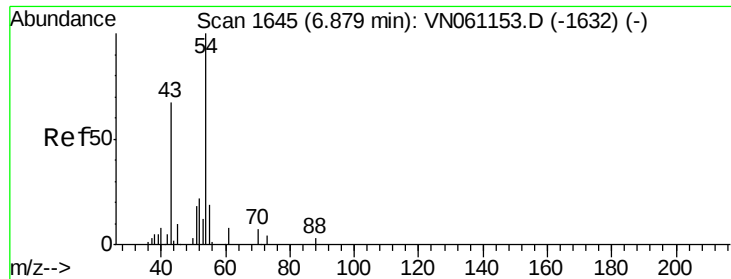
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#36
1,1-Dichloropropene
Concen: 5.292 ug/l
RT: 7.75 min Scan# 1915
Delta R.T. -0.00 min
Lab File: VN061151.D
Acq: 27 Apr 2020 16:26

Tgt Ion	Ratio	Lower	Upper
75	100		
110	30.3	16.0	48.0
77	28.0	24.6	37.0





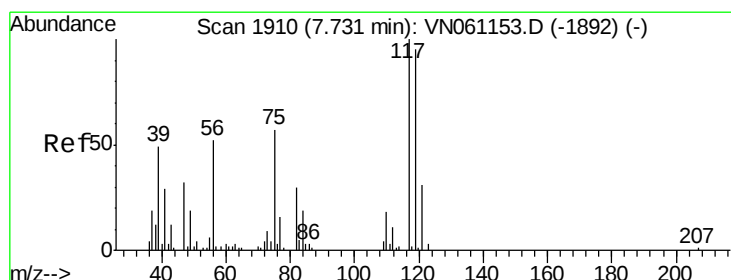
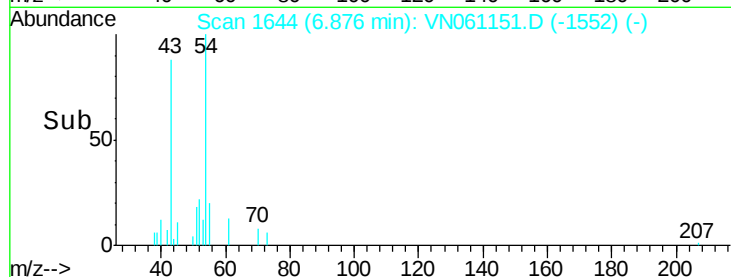
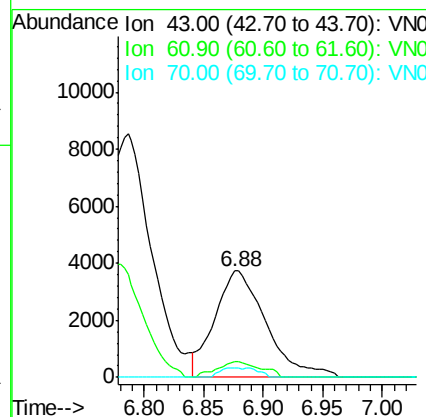
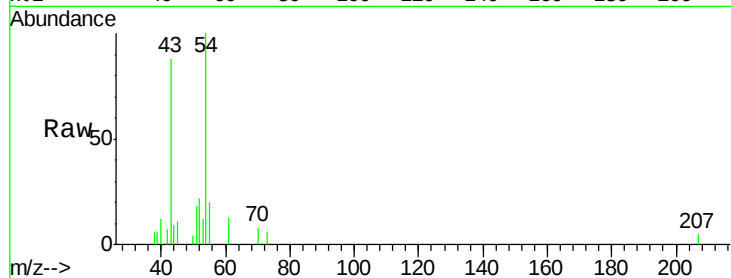
#37
Ethyl Acetate
Concen: 5.909 ug/l
RT: 6.88 min Scan# 1644
Delta R.T. -0.00 min
Lab File: VN061151.D
Acq: 27 Apr 2020 16:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	43	Ratio	Lower	Upper
11195	100			
61	12.5	10.2	15.2	
70	3.8	7.2	10.8	

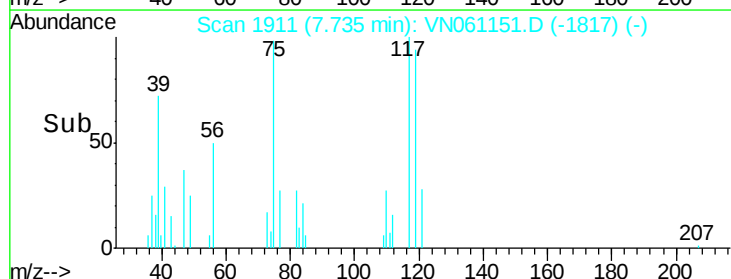
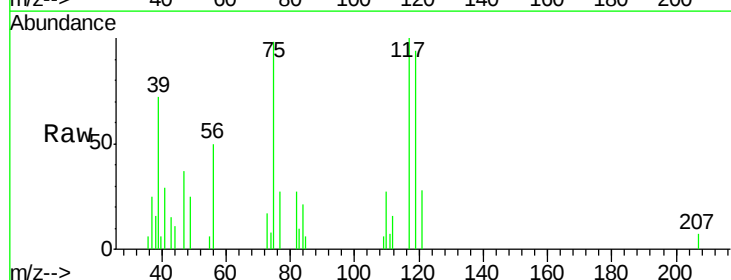
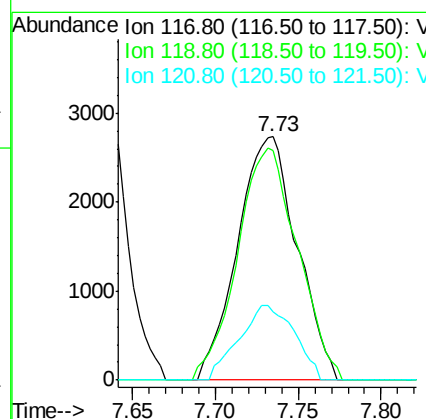
Manual Integrations
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#38
Carbon Tetrachloride
Concen: 4.261 ug/l
RT: 7.73 min Scan# 1911
Delta R.T. 0.00 min
Lab File: VN061151.D
Acq: 27 Apr 2020 16:26

Tgt Ion	117	Ratio	Lower	Upper
6826	100			
119	94.4	75.8	113.6	
121	28.0	24.7	37.1	





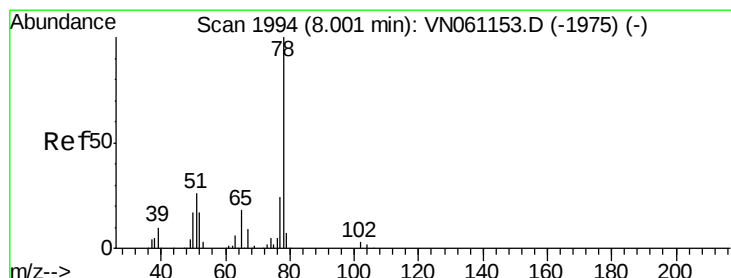
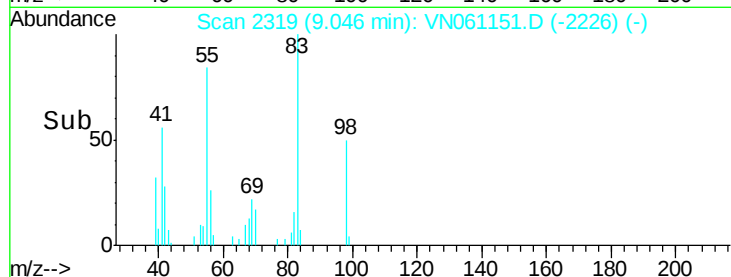
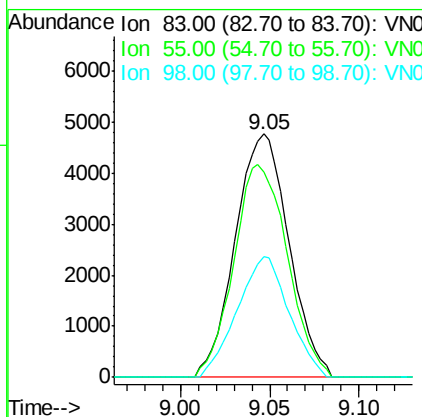
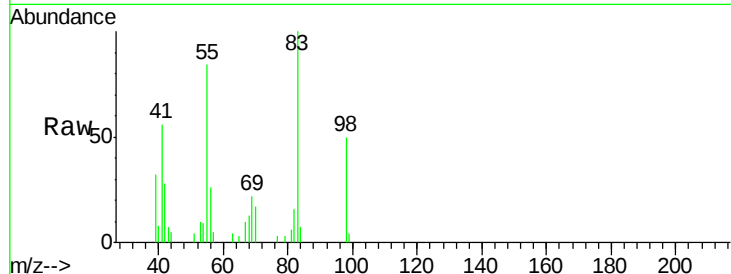
#39
Methvlcvclohexane
Concen: 4.503 ug/l
RT: 9.05 min Scan# 2319
Delta R.T. 0.00 min
Lab File: VN061151.D
Acq: 27 Apr 2020 16:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
83	100		
55	84.5	67.3	100.9
98	49.8	37.7	56.5

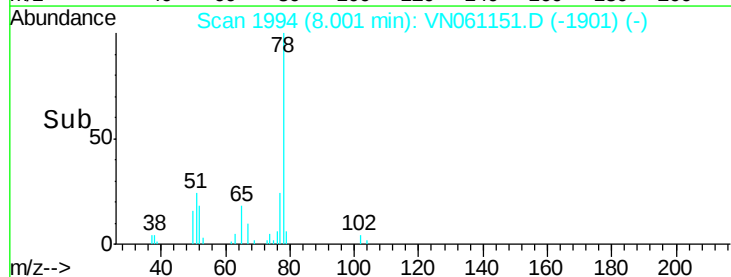
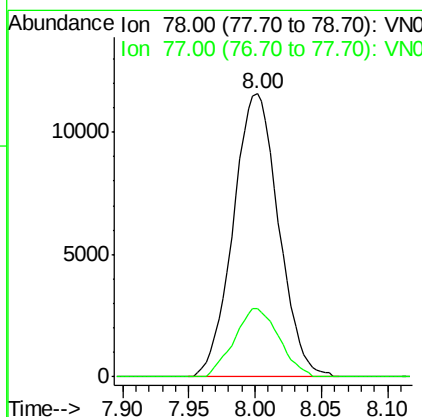
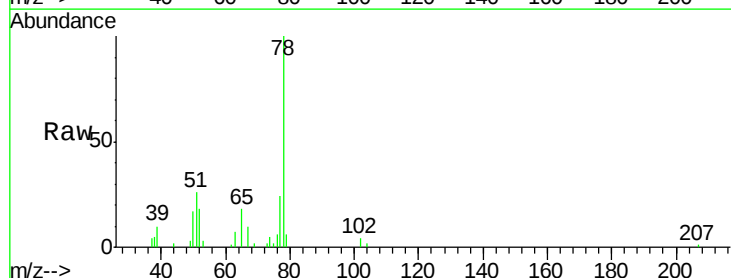
Manual Integrations
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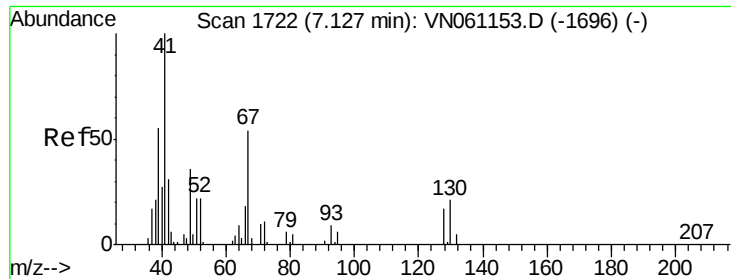
MMDadoda
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#40
Benzene
Concen: 5.050 ug/l
RT: 8.00 min Scan# 1994
Delta R.T. 0.00 min
Lab File: VN061151.D
Acq: 27 Apr 2020 16:26

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.3	19.0	28.6





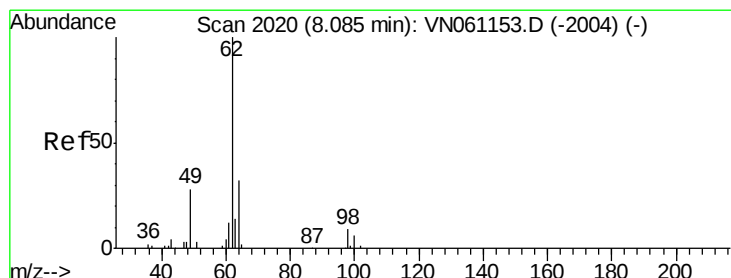
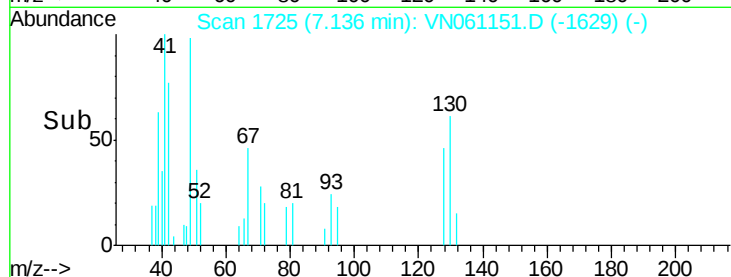
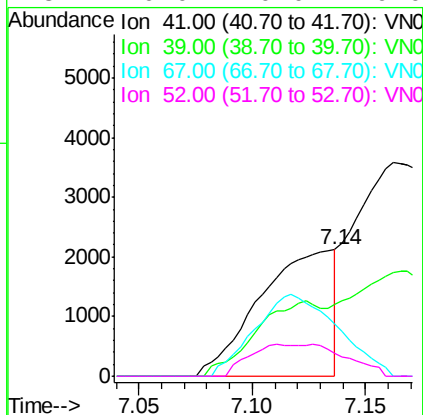
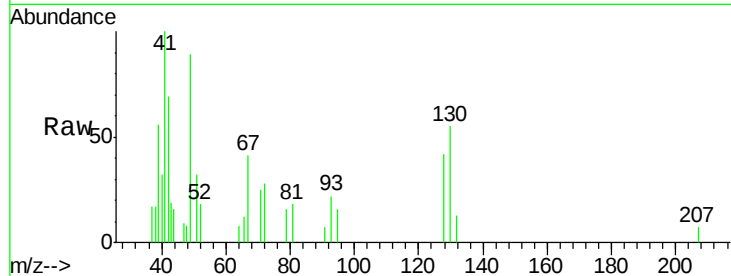
#41
Methacrylonitrile
Concen: 5.643 ug/l m
RT: 7.14 min Scan# 1725
Delta R.T. 0.01 min
Lab File: VN061151.D
Acq: 27 Apr 2020 16:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	41	Resp:	4898
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

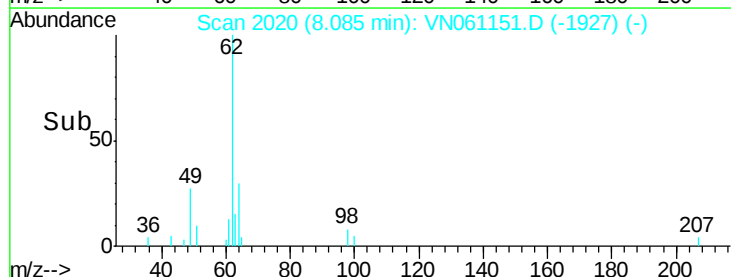
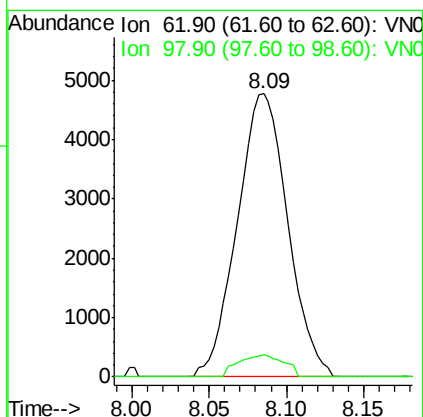
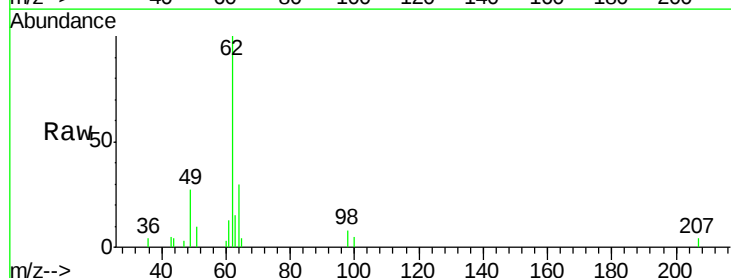
Manual Integrations
APPROVED

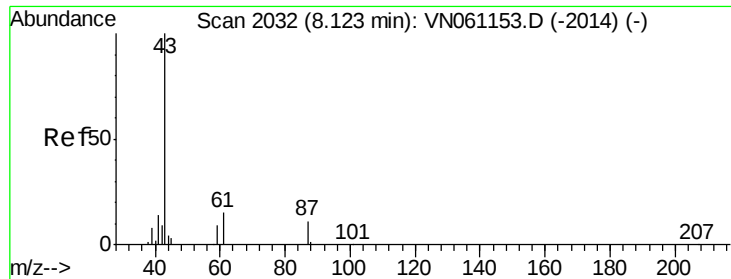
MMDadoda
4/28/2020 8:14:34 PM



#42
1,2-Dichloroethane
Concen: 5.498 ug/l
RT: 8.09 min Scan# 2020
Delta R.T. 0.00 min
Lab File: VN061151.D
Acq: 27 Apr 2020 16:26

Tgt Ion	62	Resp:	10834
Ion	Ratio	Lower	Upper
62	100		
98	7.0	0.0	16.8





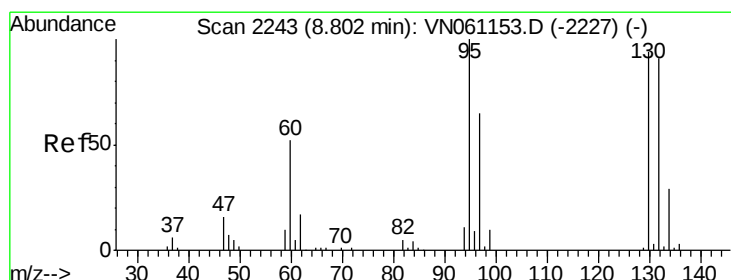
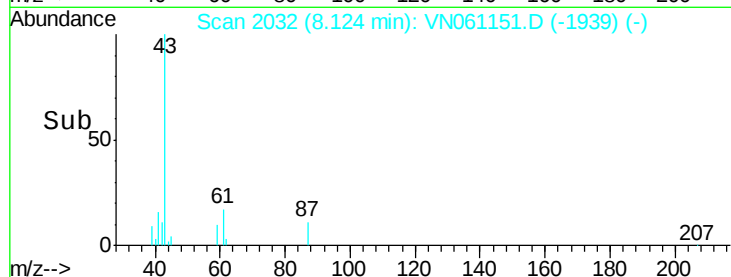
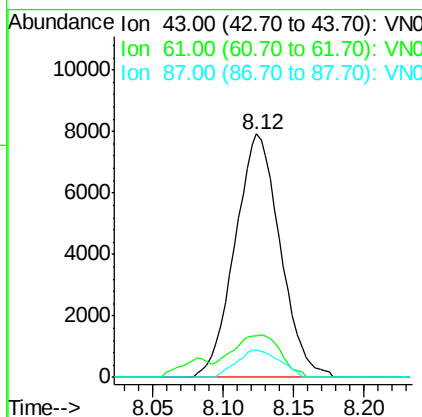
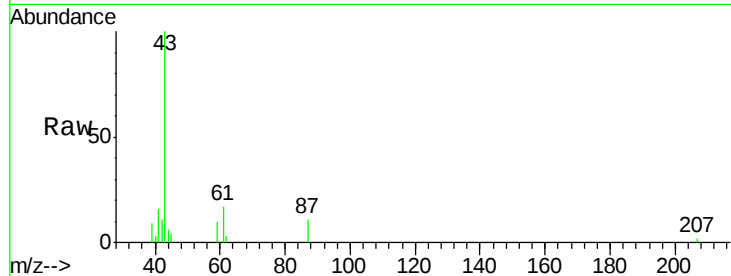
#43
Isopropyl Acetate
Concen: 5.527 ug/l
RT: 8.12 min Scan# 2032
Delta R.T. 0.00 min
Lab File: VN061151.D
Acq: 27 Apr 2020 16:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
61	19.0	19.5	29.3#
87	10.7	8.9	13.3

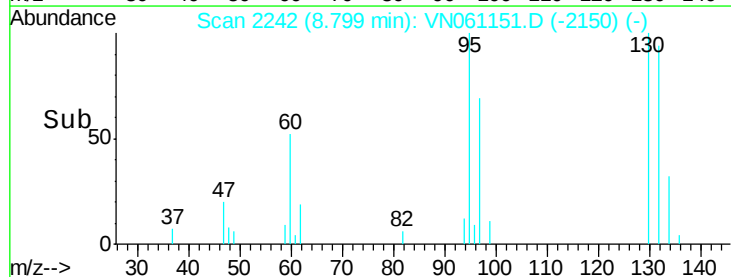
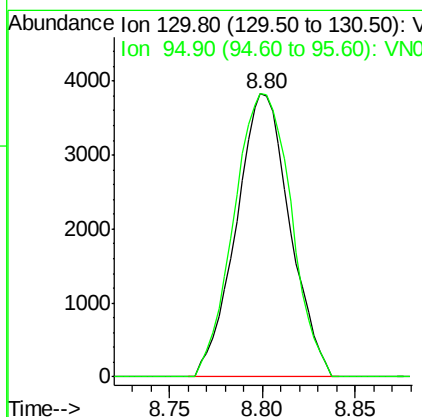
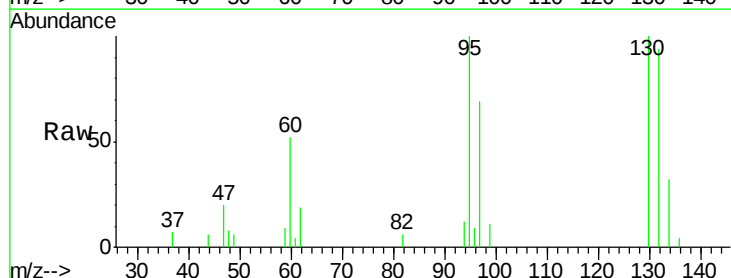
Manual Integrations
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#44
Trichloroethene
Concen: 4.903 ug/l
RT: 8.80 min Scan# 2242
Delta R.T. -0.00 min
Lab File: VN061151.D
Acq: 27 Apr 2020 16:26

Tgt Ion	Ratio	Lower	Upper
130	100		
95	99.9	0.0	212.4





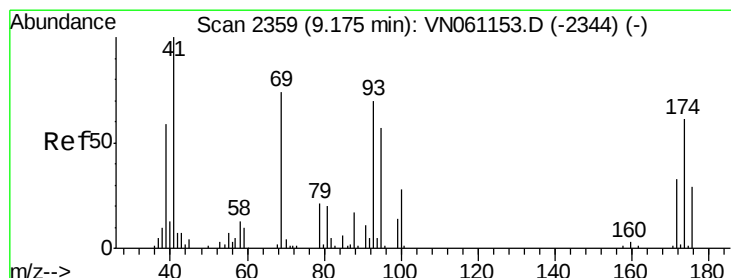
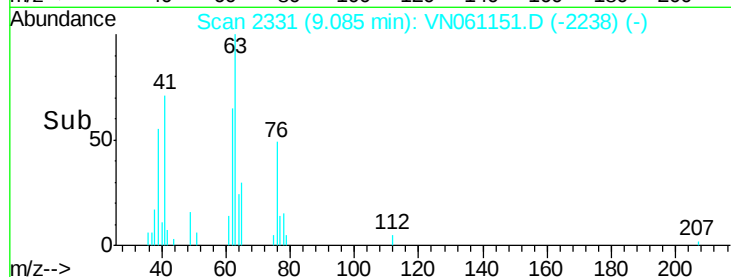
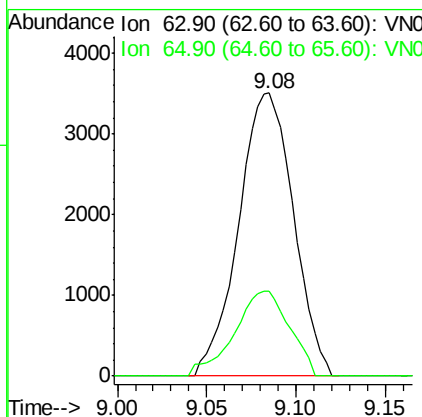
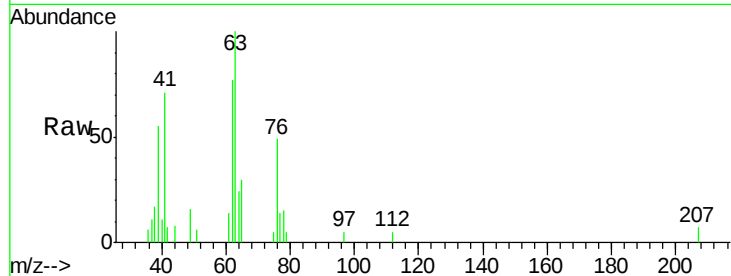
#45
 1,2-Dichloropropane
 Concen: 5.195 ug/l
 RT: 9.08 min Scan# 2331
 Delta R.T. 0.00 min
 Lab File: VN061151.D
 Acq: 27 Apr 2020 16:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion: 63 Resp: 7529
 Ion Ratio Lower Upper
 63 100
 65 30.1 24.7 37.1

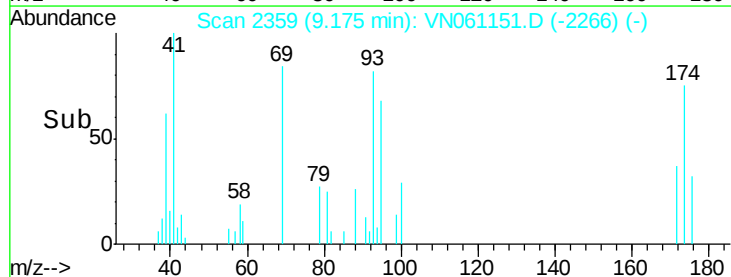
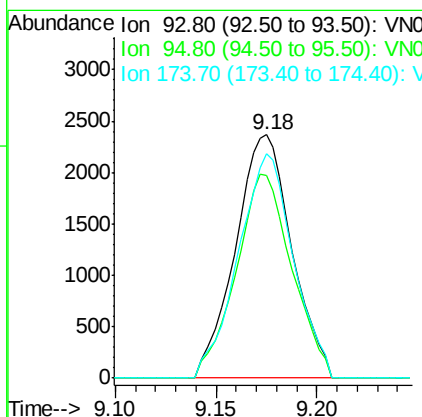
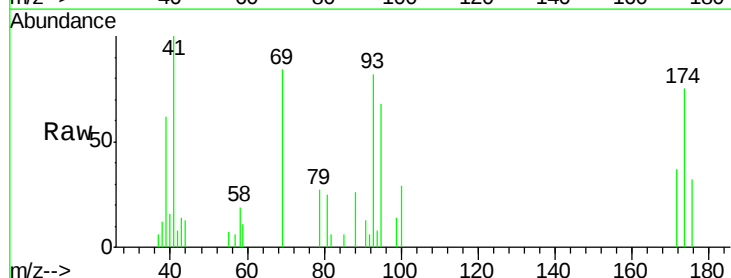
Manual Integrations
 APPROVED

MMDadoda
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#46
 Dibromomethane
 Concen: 4.986 ug/l
 RT: 9.18 min Scan# 2359
 Delta R.T. 0.00 min
 Lab File: VN061151.D
 Acq: 27 Apr 2020 16:26

Tgt Ion: 93 Resp: 4605
 Ion Ratio Lower Upper
 93 100
 95 82.9 66.6 99.8
 174 90.3 70.2 105.2





#47

Bromodichloromethane

Concen: 5.398 ug/l

RT: 9.37 min Scan# 2419

Delta R.T. -0.00 min

Lab File: VN061151.D

Acq: 27 Apr 2020 16:26

Instrument :

MSVOA_N

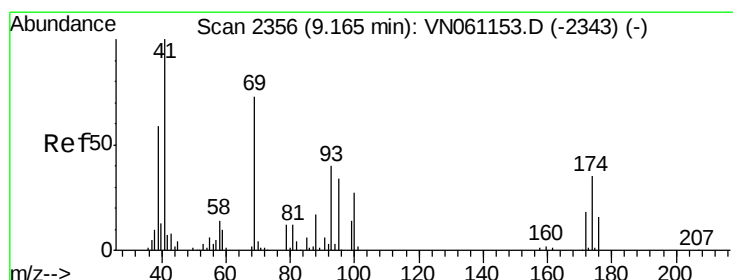
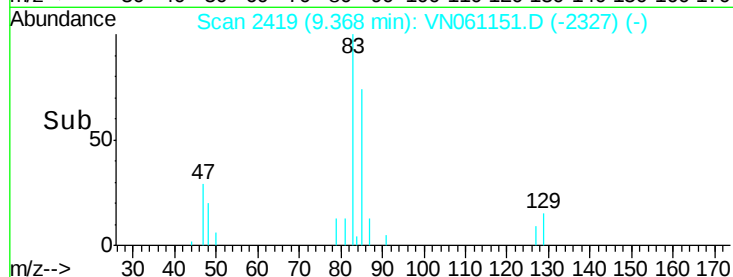
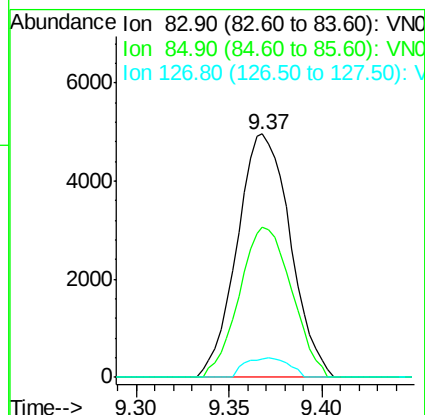
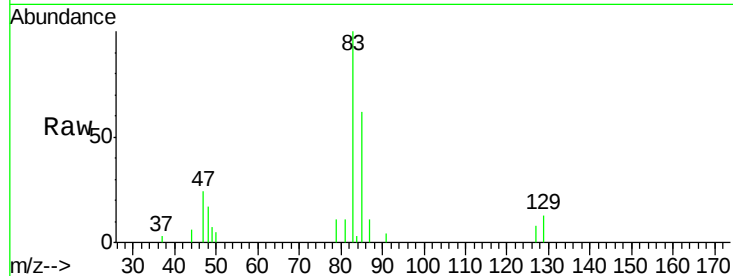
ClientSampleId :

VSTDIC005

Tot Ion:	83	Resp:	9914
Ion	Ratio	Lower	Upper
83	100		
85	61.5	50.4	75.6
127	7.6	6.2	9.2

Manual Integrations
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#48

Methyl methacrylate

Concen: 5.251 ug/l

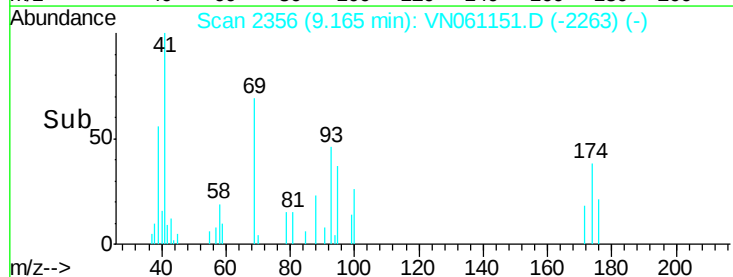
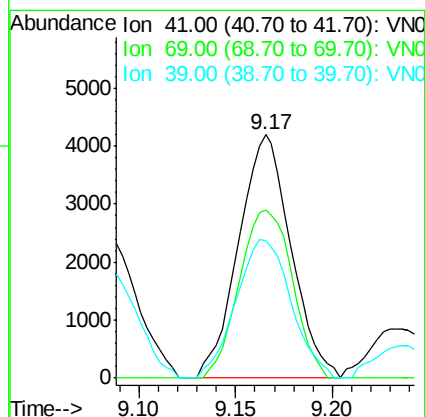
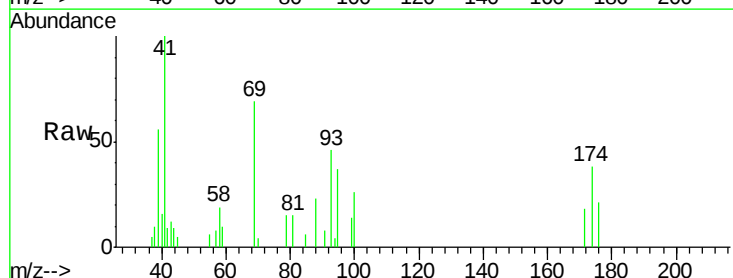
RT: 9.17 min Scan# 2356

Delta R.T. 0.00 min

Lab File: VN061151.D

Acq: 27 Apr 2020 16:26

Tgt Ion:	41	Resp:	7896
Ion	Ratio	Lower	Upper
41	100		
69	69.9	60.3	90.5
39	59.9	47.4	71.0





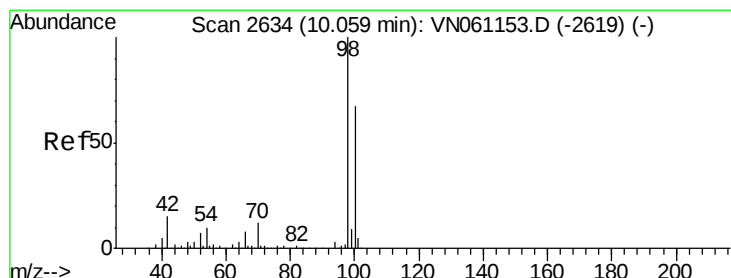
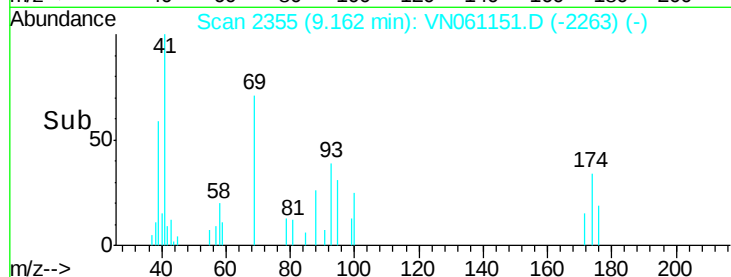
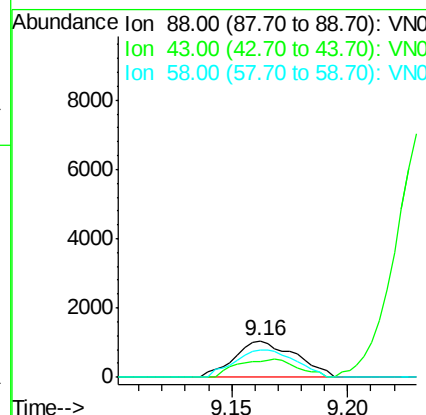
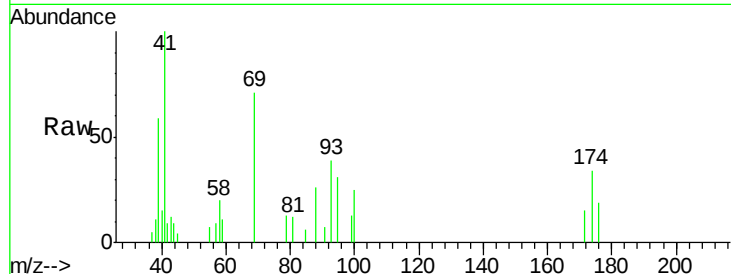
#49
1,4-Dioxane
Concen: 87.222 ug/l
RT: 9.16 min Scan# 2355
Delta R.T. -0.00 min
Lab File: VN061151.D
Acq: 27 Apr 2020 16:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
88	100		
43	49.6	35.3	52.9
58	75.5	61.5	92.3

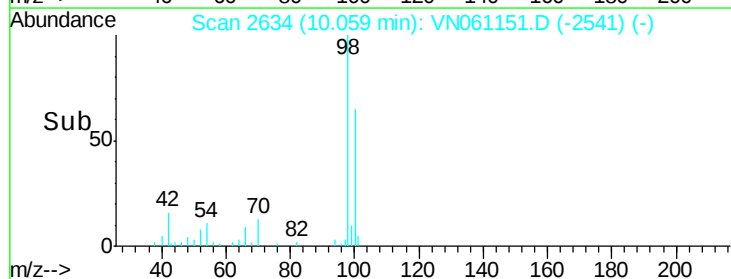
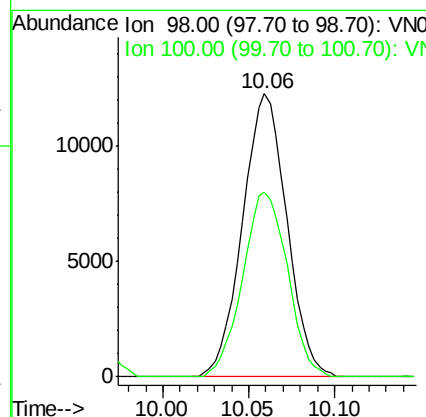
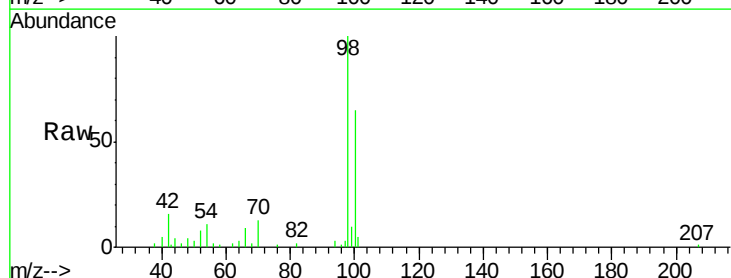
Manual Integrations
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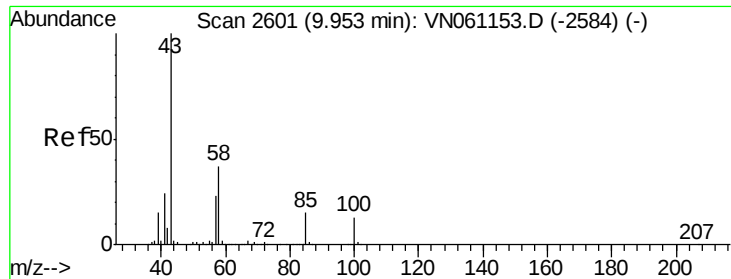
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#50
Toluene-d8
Concen: 4.795 ug/l
RT: 10.06 min Scan# 2634
Delta R.T. 0.00 min
Lab File: VN061151.D
Acq: 27 Apr 2020 16:26

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.9	53.4	80.0





#51

4-Methyl-2-Pentanone

Concen: 27.474 ug/l

RT: 9.95 min Scan# 2601

Delta R.T. 0.00 min

Lab File: VN061151.D

Acq: 27 Apr 2020 16:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 51628

Ion Ratio Lower Upper

43 100

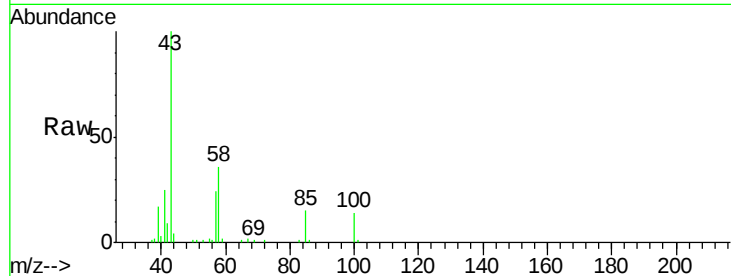
58 35.9 29.1 43.7

Manual Integrations

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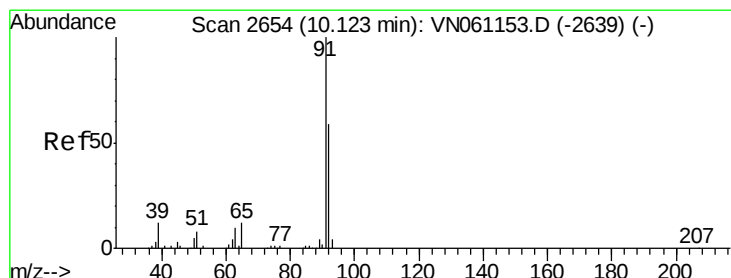
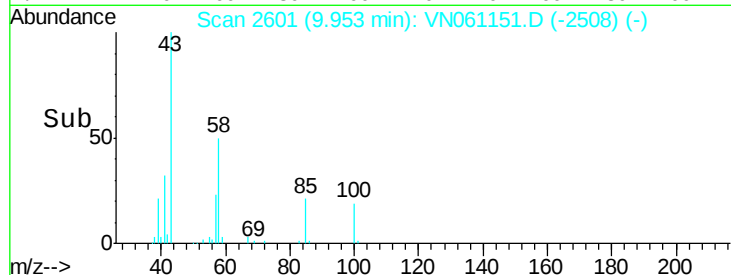
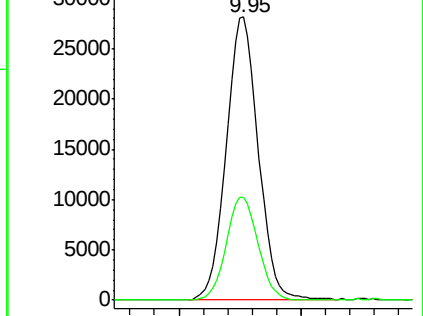
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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 4.668 ug/l

RT: 10.12 min Scan# 2654

Delta R.T. 0.00 min

Lab File: VN061151.D

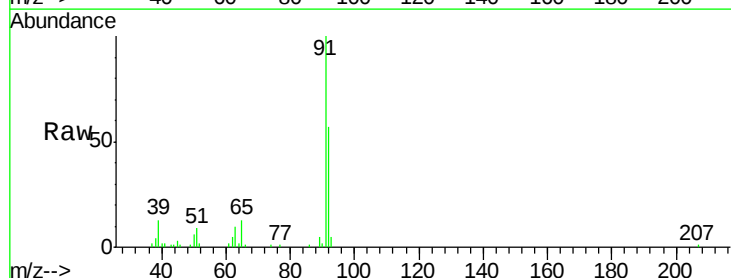
Acq: 27 Apr 2020 16:26

Tgt Ion: 92 Resp: 15903

Ion Ratio Lower Upper

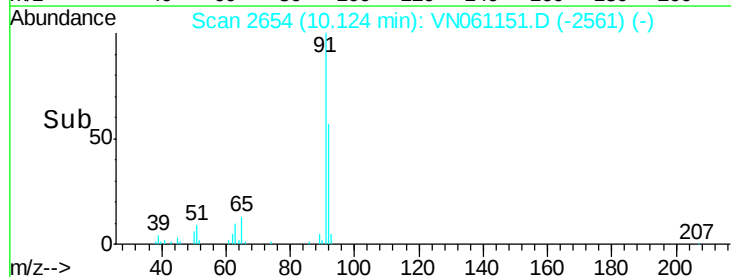
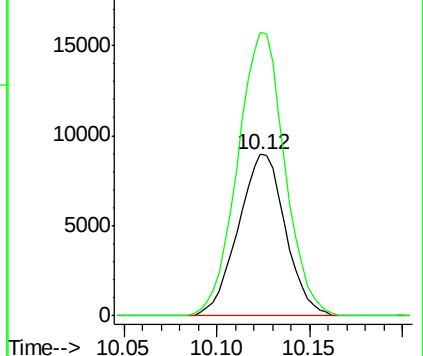
92 100

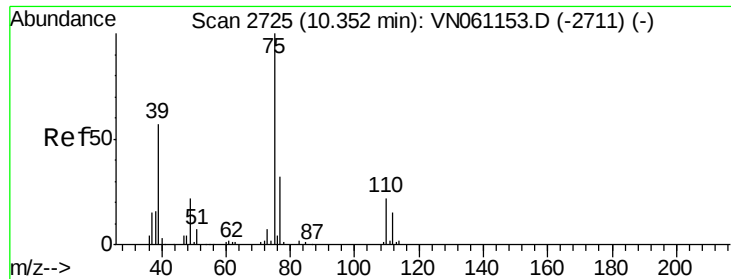
91 175.2 136.2 204.2



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





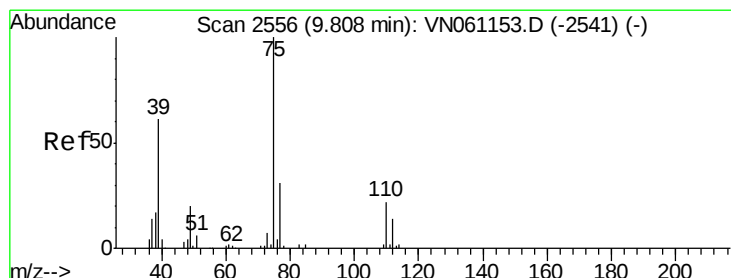
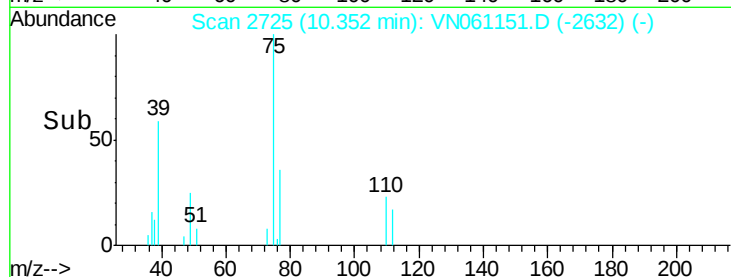
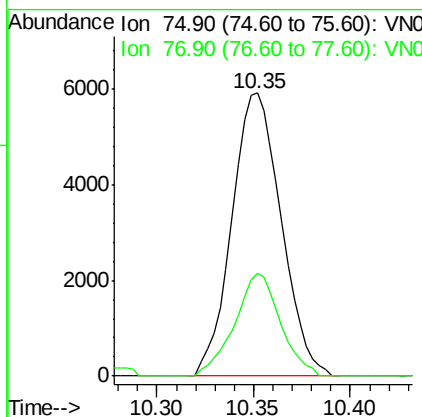
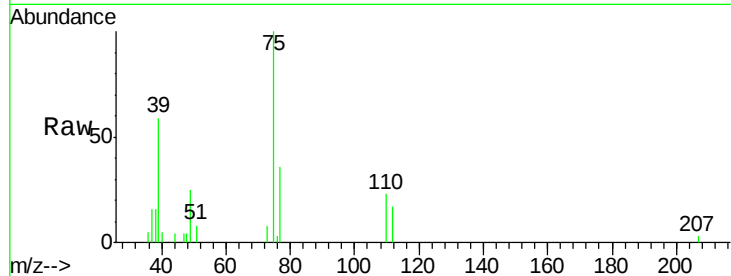
#53
t-1,3-Dichloropropene
Concen: 4.706 ug/l
RT: 10.35 min Scan# 2725
Delta R.T. 0.00 min
Lab File: VN061151.D
Acq: 27 Apr 2020 16:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
75	100		
77	36.2	25.5	38.3

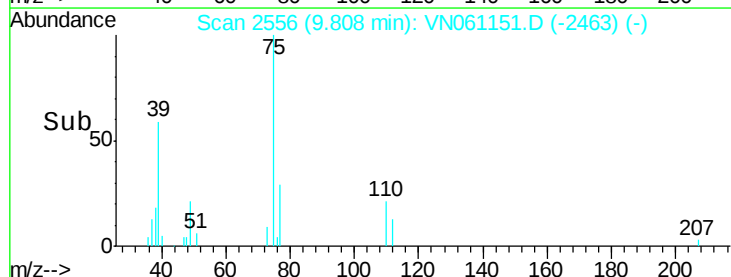
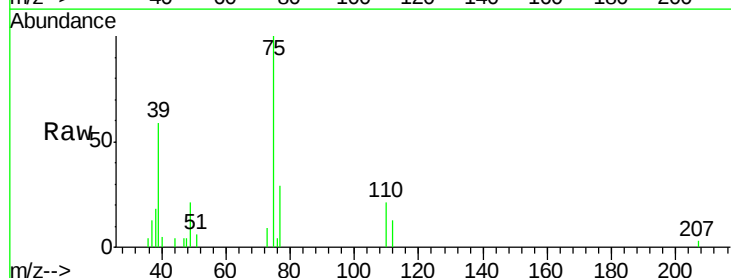
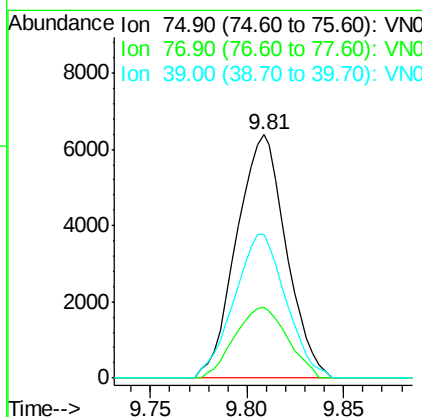
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#54
cis-1,3-Dichloropropene
Concen: 4.936 ug/l
RT: 9.81 min Scan# 2556
Delta R.T. 0.00 min
Lab File: VN061151.D
Acq: 27 Apr 2020 16:26

Tgt Ion	Ratio	Lower	Upper
75	100		
77	29.2	25.0	37.4
39	59.2	48.7	73.1





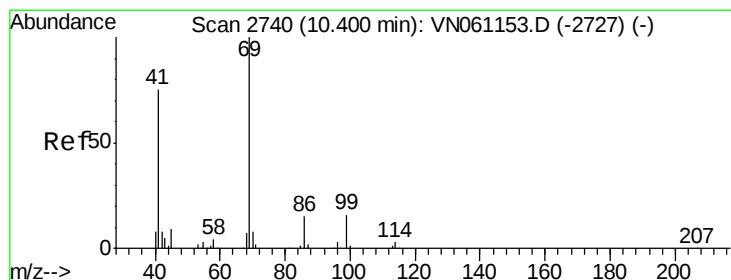
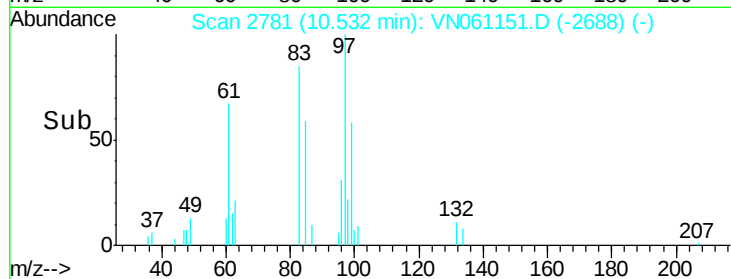
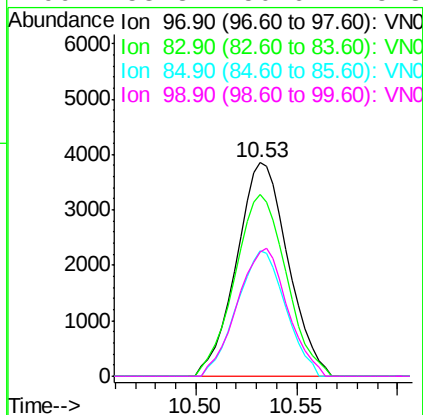
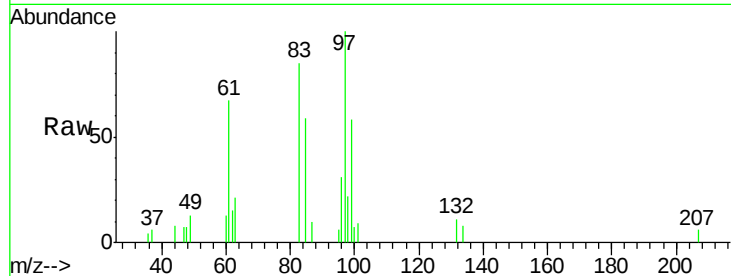
#55
 1,1,2-Trichloroethane
 Concen: 5.229 ug/l
 RT: 10.53 min Scan# 2781
 Delta R.T. 0.00 min
 Lab File: VN061151.D
 Acq: 27 Apr 2020 16:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion:	97	Resp:	6869
Ion	Ratio	Lower	Upper
97	100		
83	85.2	70.6	106.0
85	58.7	46.4	69.6
99	58.3	50.6	75.8

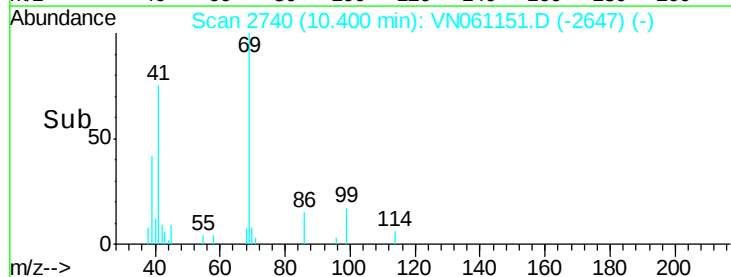
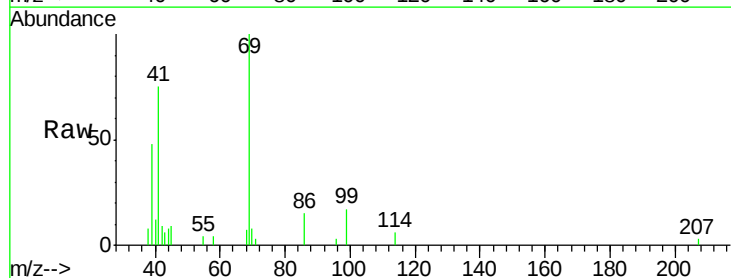
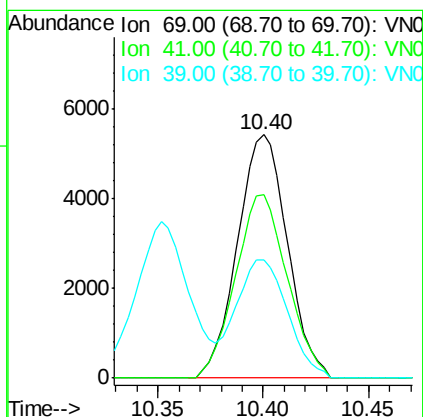
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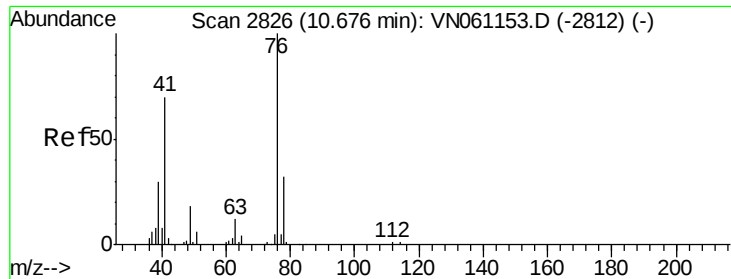
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#56
 Ethyl methacrylate
 Concen: 4.434 ug/l
 RT: 10.40 min Scan# 2740
 Delta R.T. 0.00 min
 Lab File: VN061151.D
 Acq: 27 Apr 2020 16:26

Tgt Ion:	69	Resp:	8921
Ion	Ratio	Lower	Upper
69	100		
41	78.3	60.3	90.5
39	50.2	35.9	53.9





#57

1,3-Dichloropropane

Concen: 5.359 ug/l

RT: 10.68 min Scan# 2826

Delta R.T. 0.00 min

Lab File: VN061151.D

Acq: 27 Apr 2020 16:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 76 Resp: 12080

Ion Ratio Lower Upper

76 100

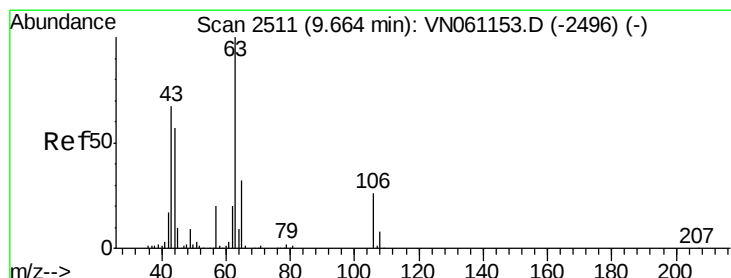
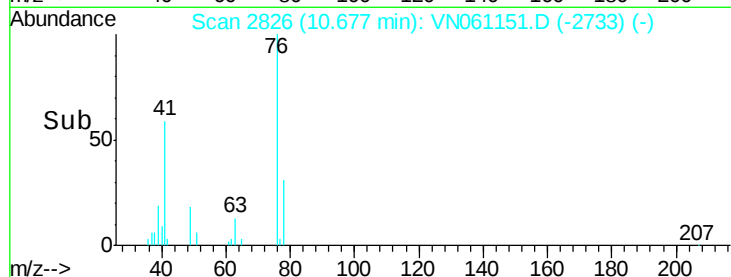
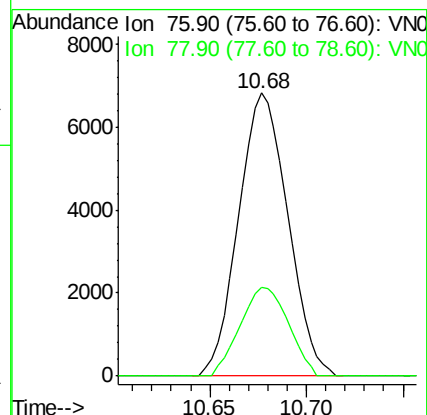
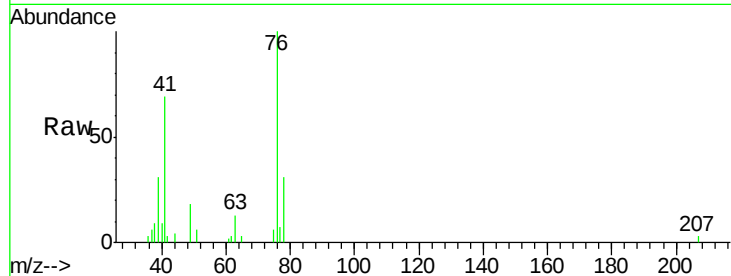
78 30.7 25.5 38.3

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 23.785 ug/l

RT: 9.66 min Scan# 2510

Delta R.T. -0.00 min

Lab File: VN061151.D

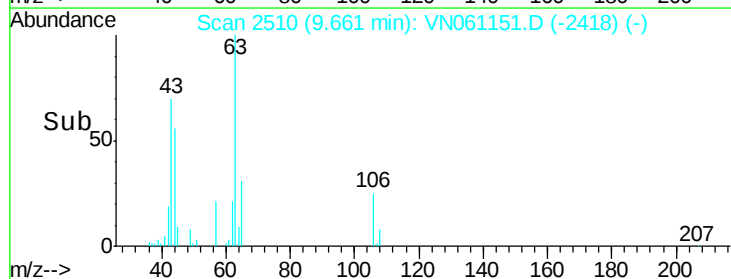
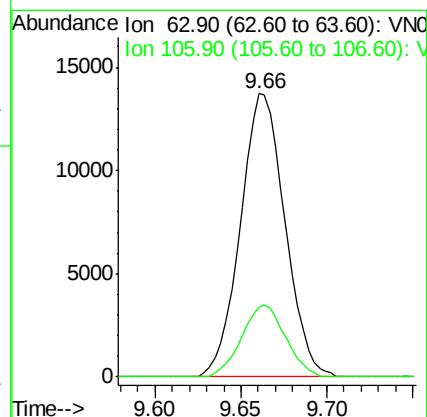
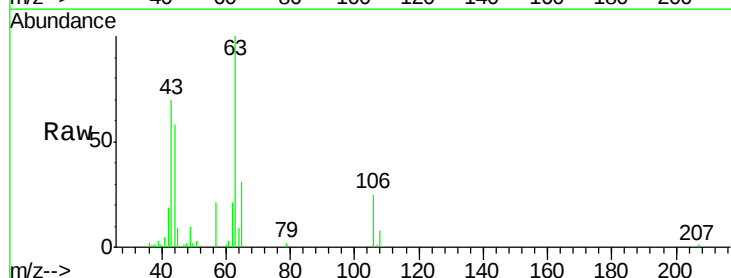
Acq: 27 Apr 2020 16:26

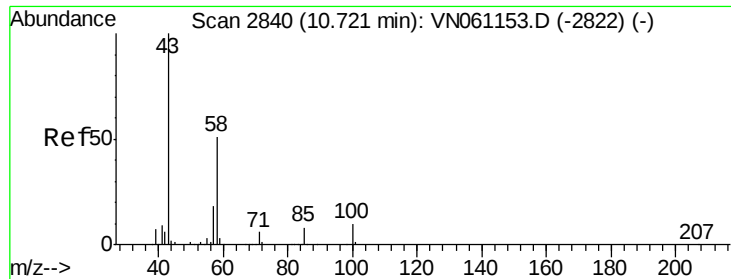
Tgt Ion: 63 Resp: 24684

Ion Ratio Lower Upper

63 100

106 24.9 20.6 30.8





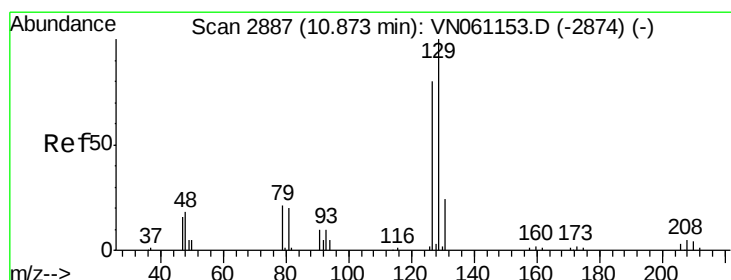
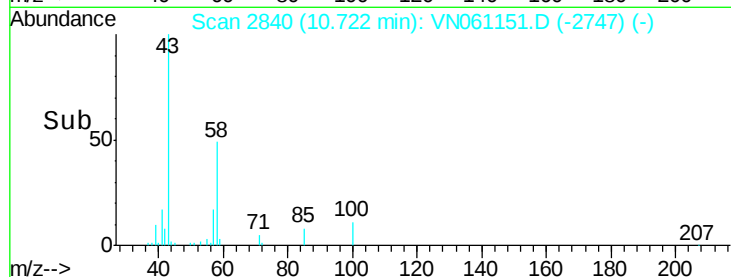
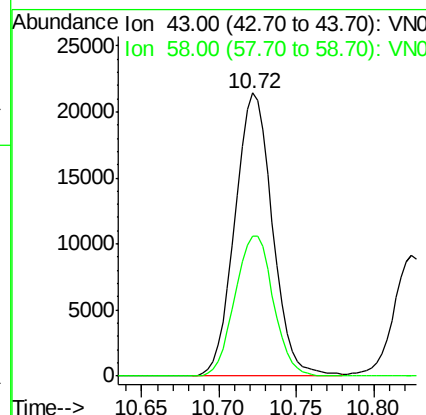
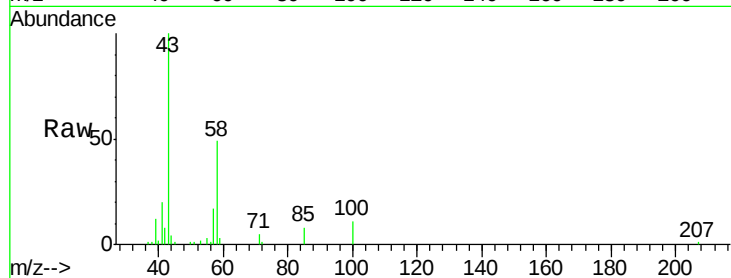
#59
2-Hexanone
Concen: 26.051 ug/l
RT: 10.72 min Scan# 2840
Delta R.T. 0.00 min
Lab File: VN061151.D
Acq: 27 Apr 2020 16:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion: 43 Resp: 36124
Ion Ratio Lower Upper
43 100
58 50.6 25.4 76.4

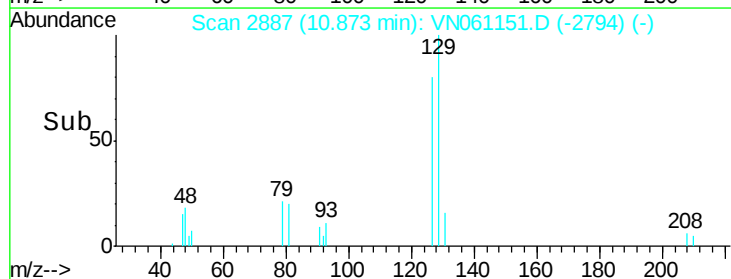
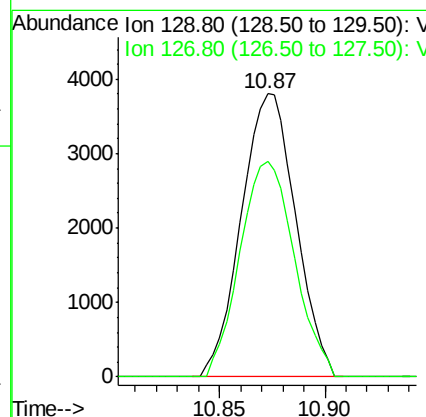
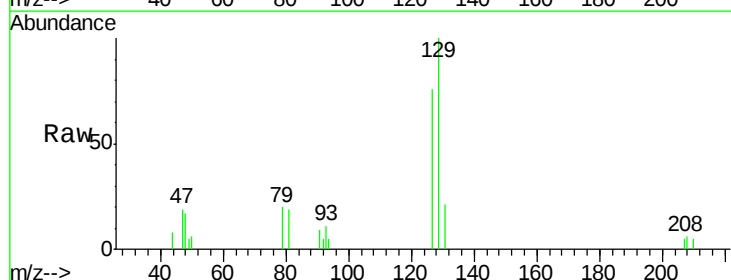
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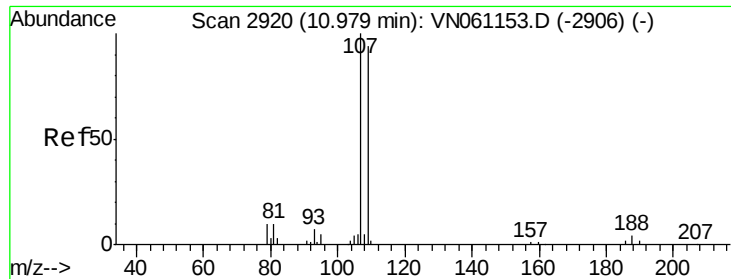
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#60
Dibromochloromethane
Concen: 4.974 ug/l
RT: 10.87 min Scan# 2887
Delta R.T. 0.00 min
Lab File: VN061151.D
Acq: 27 Apr 2020 16:26

Tgt Ion: 129 Resp: 6830
Ion Ratio Lower Upper
129 100
127 76.0 39.3 117.8





#61

1,2-Dibromoethane

Concen: 4.876 ug/l

RT: 10.98 min Scan# 2920

Delta R.T. 0.00 min

Lab File: VN061151.D

Acq: 27 Apr 2020 16:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion:107 Resp: 6588

Ion Ratio Lower Upper

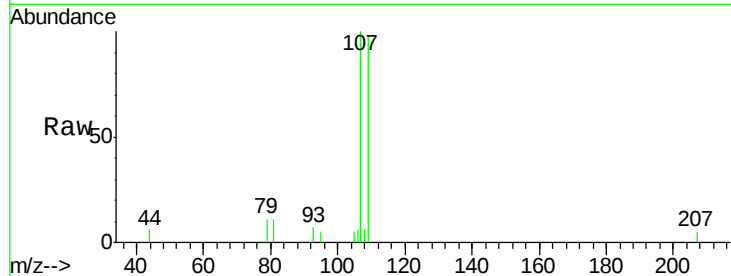
107 100

109 96.5 74.8 112.2

Manual Integrations
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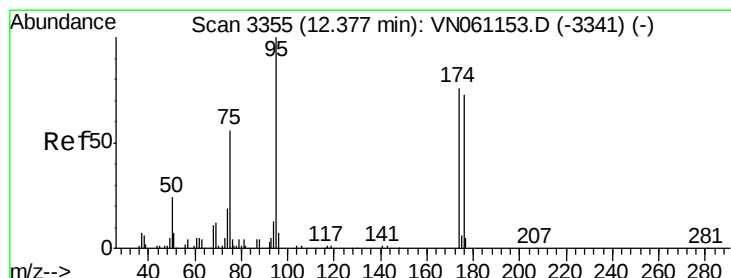
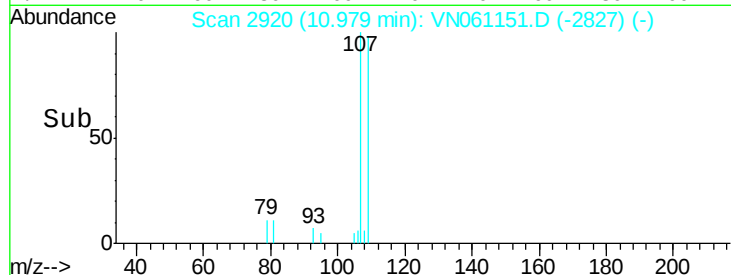
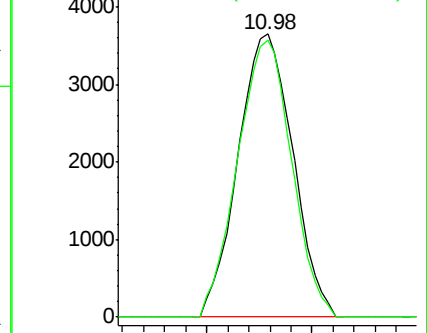
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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 4.710 ug/l

RT: 12.37 min Scan# 3354

Delta R.T. -0.00 min

Lab File: VN061151.D

Acq: 27 Apr 2020 16:26

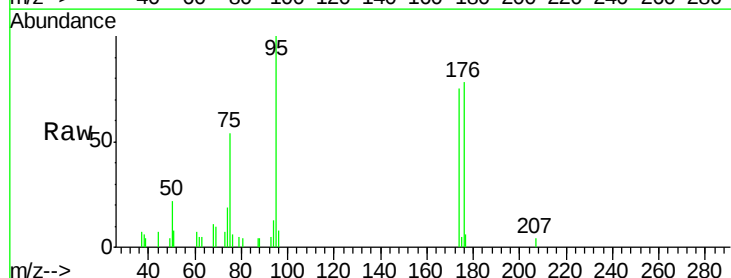
Tgt Ion: 95 Resp: 8083

Ion Ratio Lower Upper

95 100

174 71.1 0.0 149.4

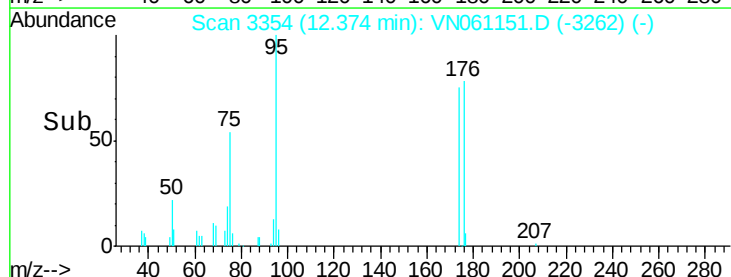
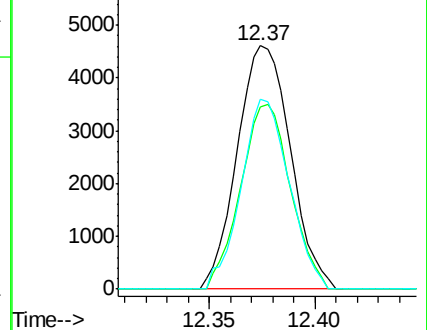
176 70.4 0.0 144.8

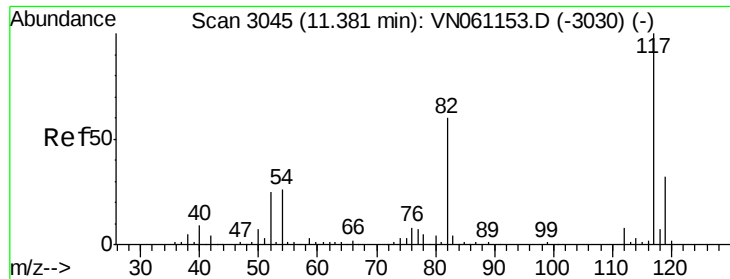


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





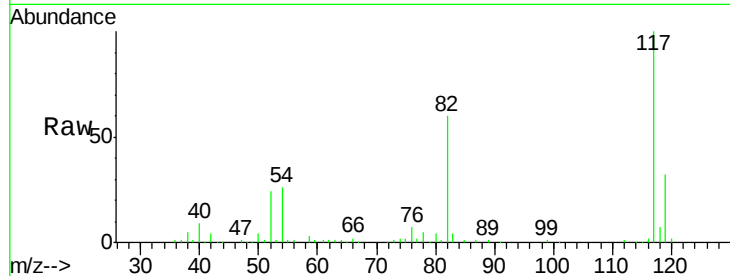
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 3045
Delta R.T. 0.00 min
Lab File: VN061151.D
Acq: 27 Apr 2020 16:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
117	100		
82	60.4	47.8	71.8
119	31.6	25.8	38.6

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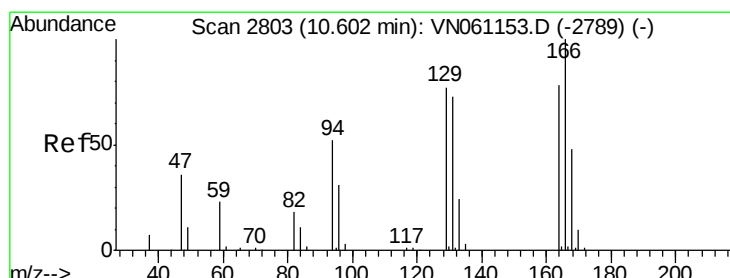
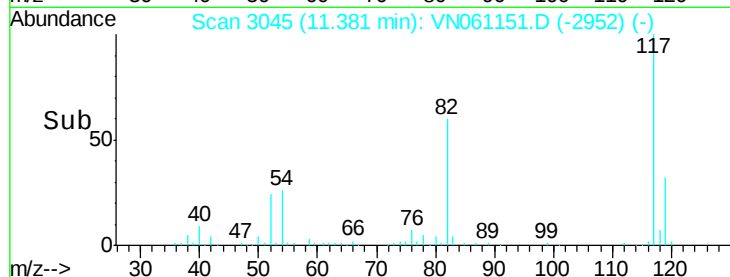
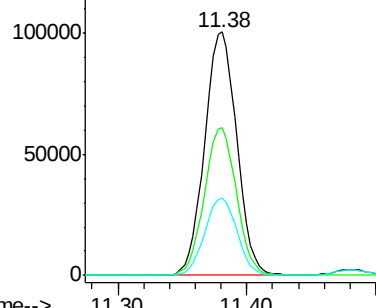


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 4.724 ug/l
RT: 10.60 min Scan# 2803
Delta R.T. 0.00 min
Lab File: VN061151.D
Acq: 27 Apr 2020 16:26

Tgt Ion	Ratio	Lower	Upper
164	100		
166	120.0	102.0	153.0
129	94.0	78.2	117.2
131	90.7	74.5	111.7

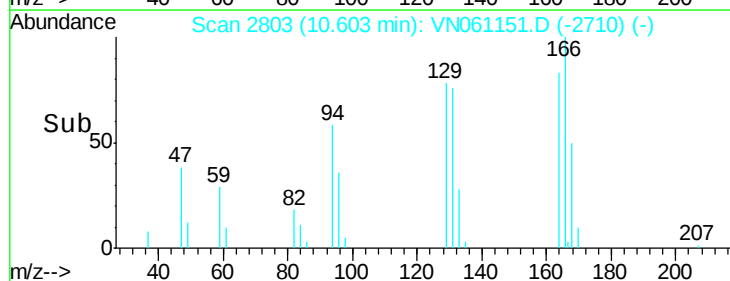
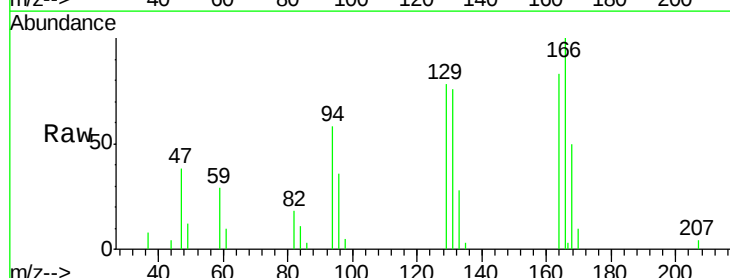
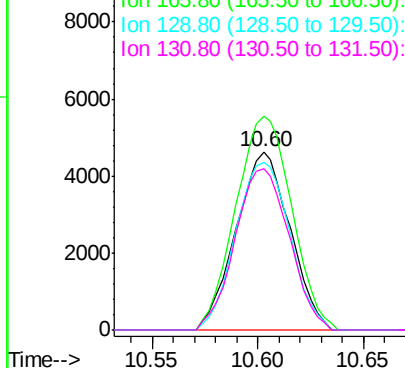
Abundance

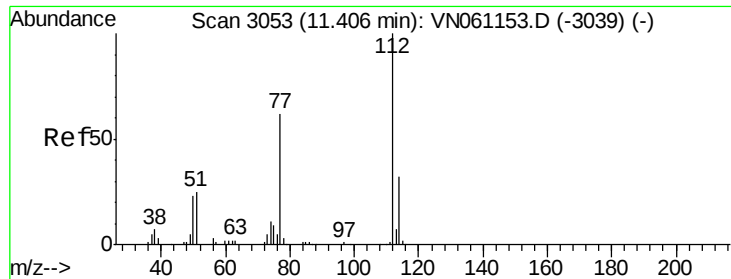
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





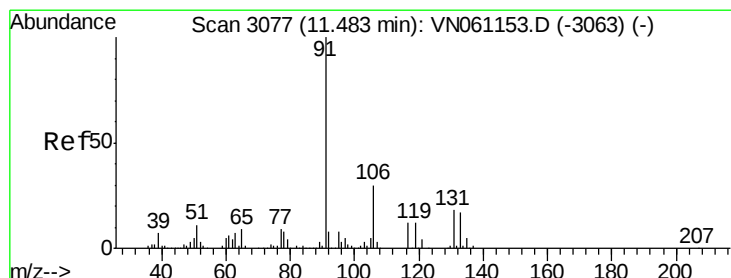
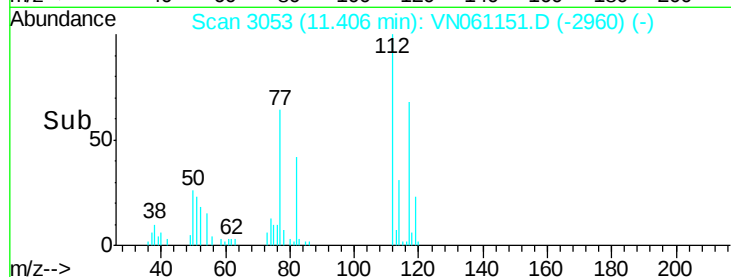
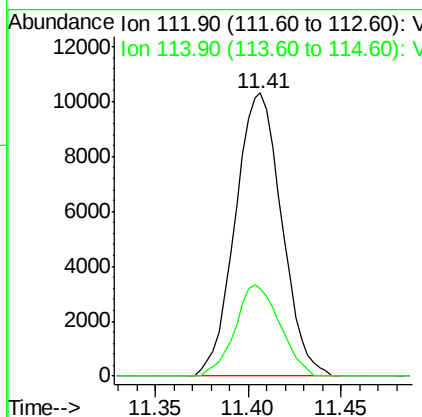
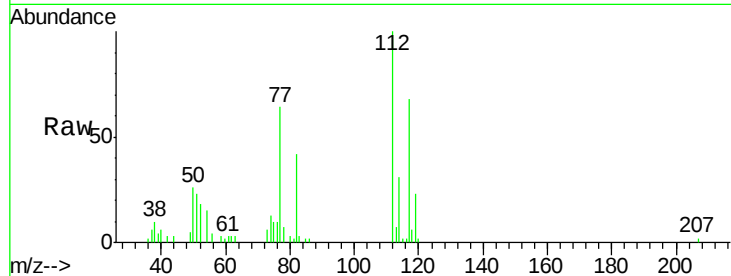
#65
Chlorobenzene
Concen: 5.109 ug/l
RT: 11.41 min Scan# 3053
Delta R.T. 0.00 min
Lab File: VN061151.D
Acq: 27 Apr 2020 16:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion:112 Resp: 17943
Ion Ratio Lower Upper
112 100
114 30.8 25.4 38.2

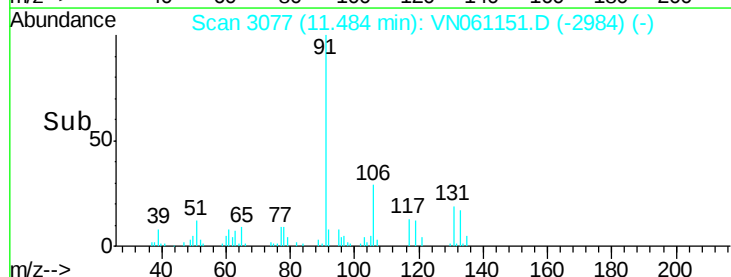
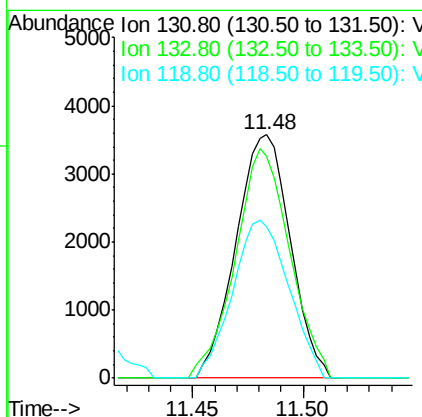
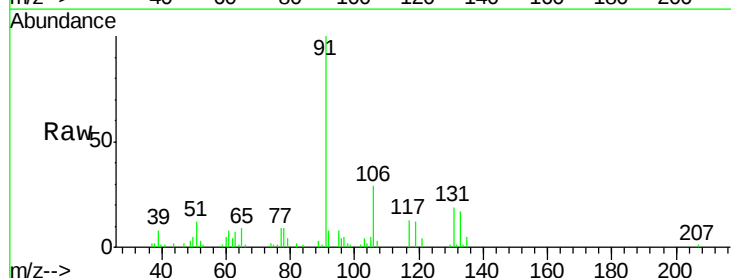
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#66
1,1,1,2-Tetrachloroethane
Concen: 4.902 ug/l
RT: 11.48 min Scan# 3077
Delta R.T. 0.00 min
Lab File: VN061151.D
Acq: 27 Apr 2020 16:26

Tgt Ion:131 Resp: 6105
Ion Ratio Lower Upper
131 100
133 94.2 48.0 144.2
119 66.8 32.6 97.8





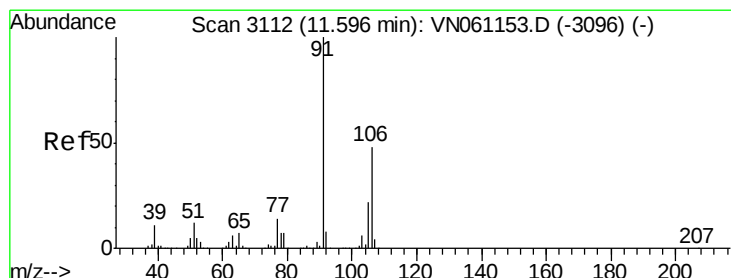
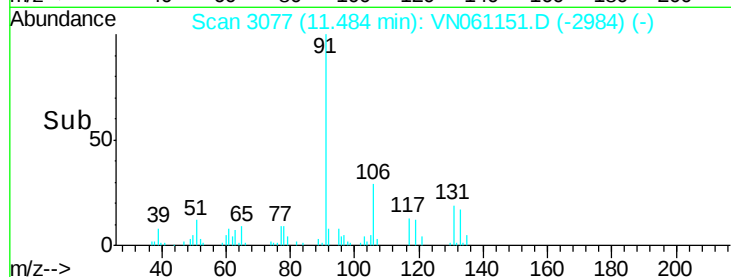
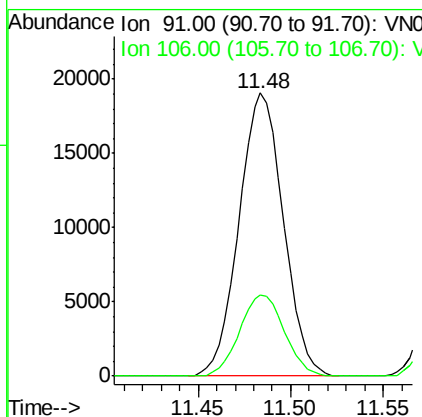
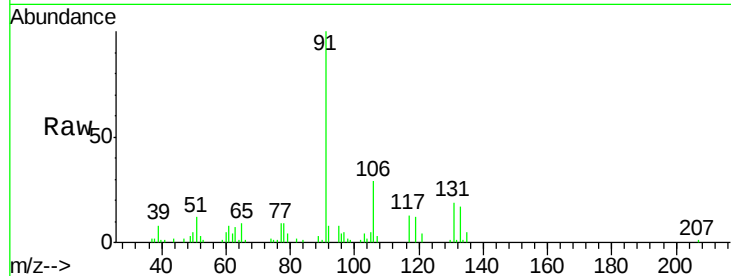
#67
Ethyl Benzene
Concen: 4.818 ug/l
RT: 11.48 min Scan# 3077
Delta R.T. 0.00 min
Lab File: VN061151.D
Acq: 27 Apr 2020 16:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion: 91 Resp: 31636
Ion Ratio Lower Upper
91 100
106 28.8 23.8 35.6

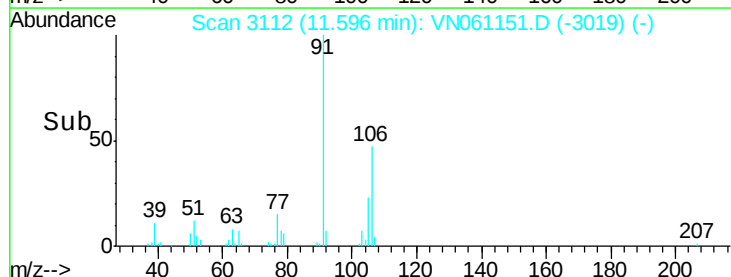
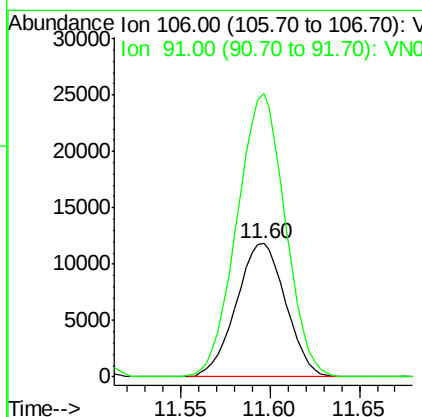
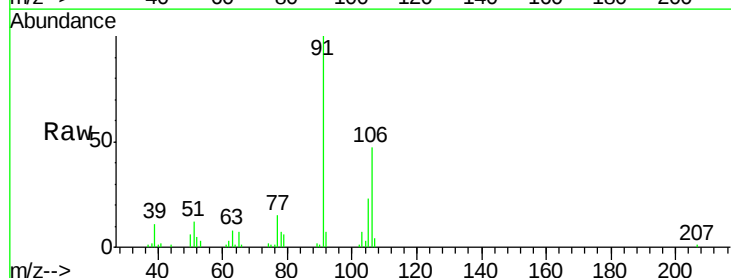
Manual Integrations
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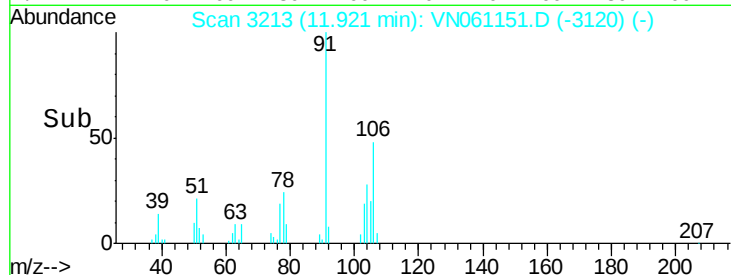
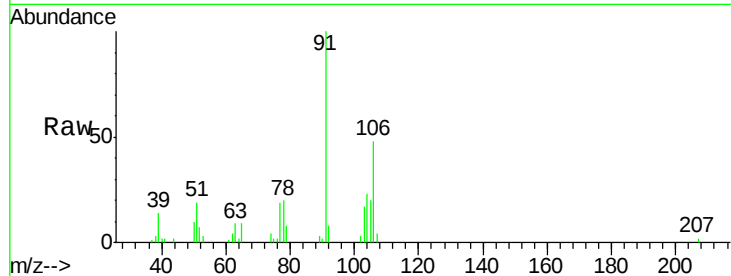
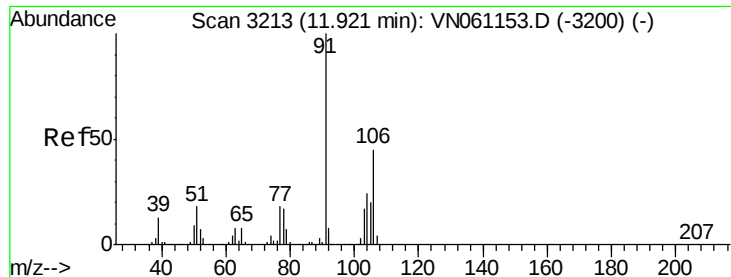
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#68
m/p-Xylenes
Concen: 9.350 ug/l
RT: 11.60 min Scan# 3112
Delta R.T. 0.00 min
Lab File: VN061151.D
Acq: 27 Apr 2020 16:26

Tgt Ion: 106 Resp: 22859
Ion Ratio Lower Upper
106 100
91 207.8 166.4 249.6





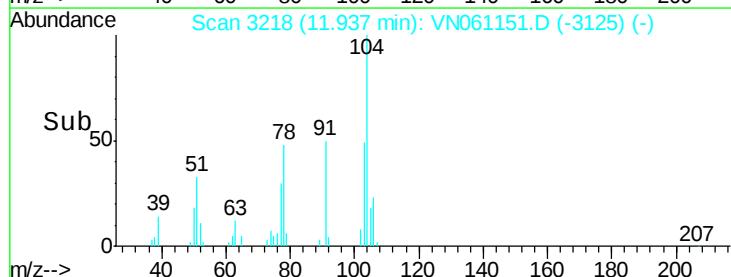
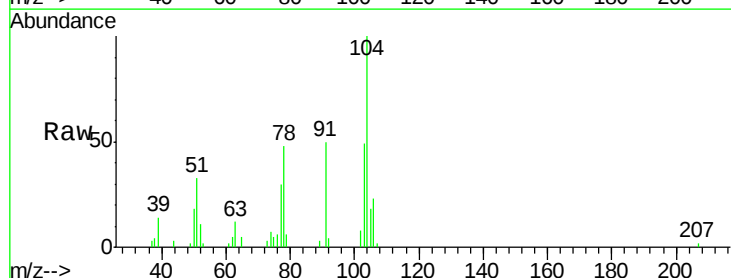
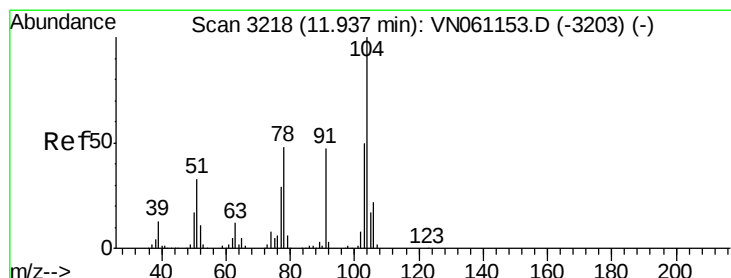
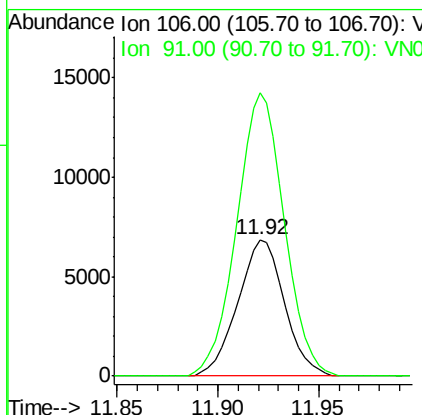
#69
o-Xylene
Concen: 4.706 ug/l
RT: 11.92 min Scan# 3213
Delta R.T. 0.00 min
Lab File: VN061151.D
Acq: 27 Apr 2020 16:26

Tot Ion:106 Resp: 11102
Ion Ratio Lower Upper
106 100
91 211.4 109.7 329.0

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

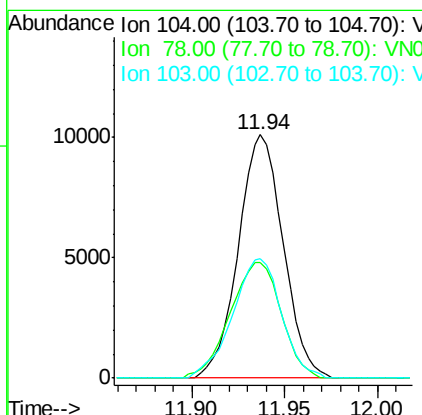
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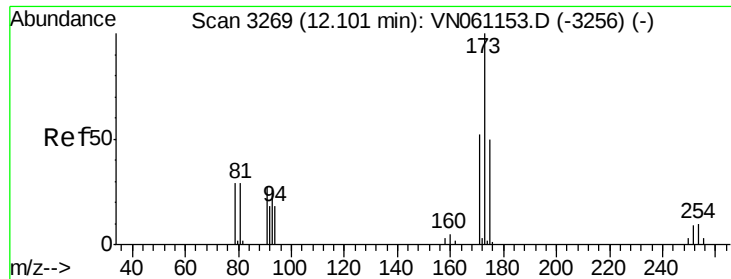
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#70
Styrene
Concen: 4.426 ug/l
RT: 11.94 min Scan# 3218
Delta R.T. 0.00 min
Lab File: VN061151.D
Acq: 27 Apr 2020 16:26

Tgt Ion:104 Resp: 16971
Ion Ratio Lower Upper
104 100
78 54.1 42.1 63.1
103 53.2 43.3 64.9





#71

Bromoform

Concen: 4.458 ug/l

RT: 12.10 min Scan# 3269

Delta R.T. 0.00 min

Lab File: VN061151.D

Acq: 27 Apr 2020 16:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion:173 Resp: 4164

Ion Ratio Lower Upper

173 100

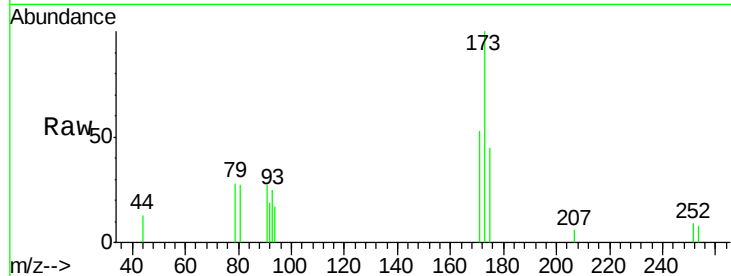
175 47.0 24.1 72.4

254 0.0 0.0 0.0

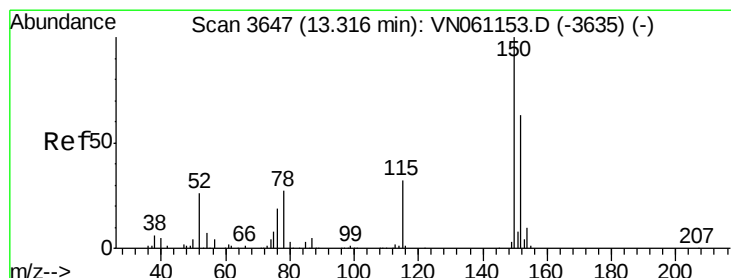
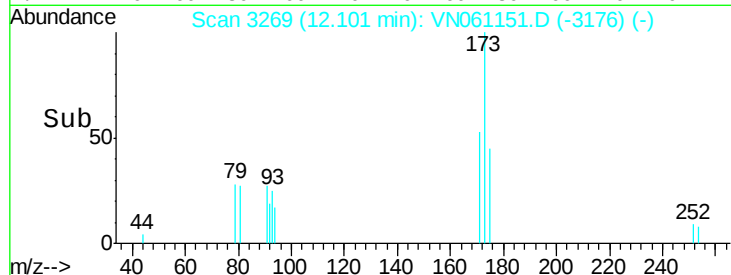
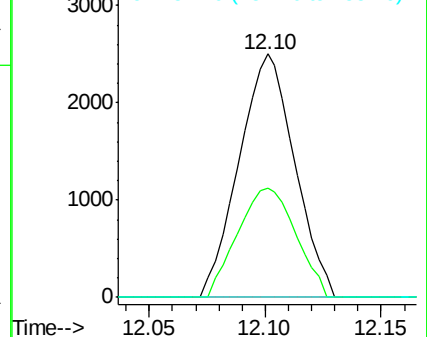
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3647

Delta R.T. 0.00 min

Lab File: VN061151.D

Acq: 27 Apr 2020 16:26

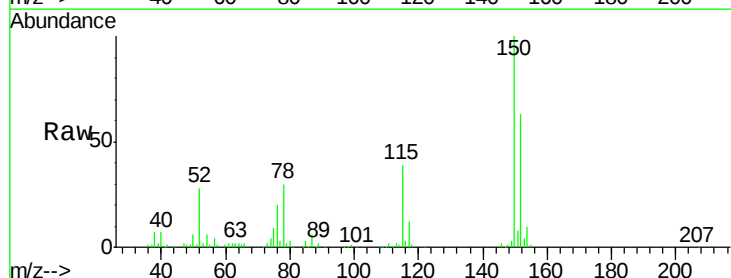
Tgt Ion:152 Resp: 80691

Ion Ratio Lower Upper

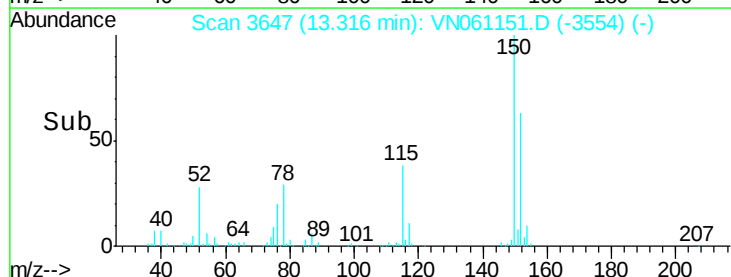
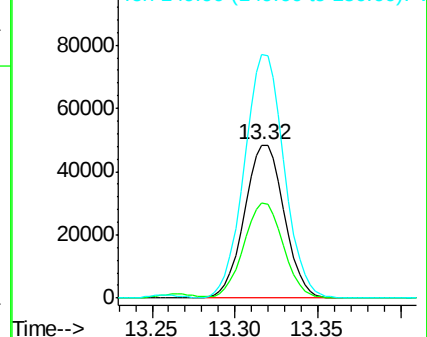
152 100

115 61.9 31.0 93.0

150 159.2 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: 4.741 ug/l

RT: 12.22 min Scan# 3307

Delta R.T. 0.00 min

Lab File: VN061151.D

Acq: 27 Apr 2020 16:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion:105 Resp: 28754

Ion Ratio Lower Upper

105 100

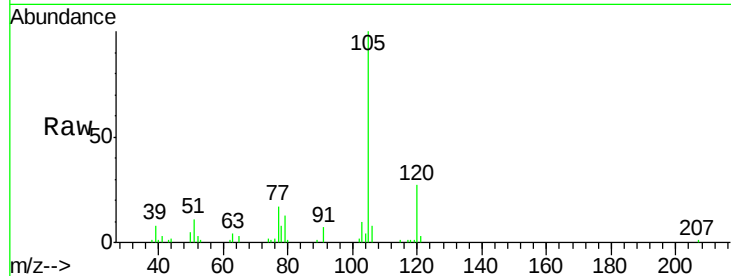
120 26.4 12.6 37.8

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

20000

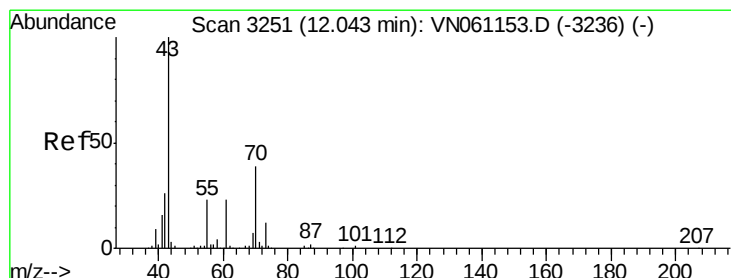
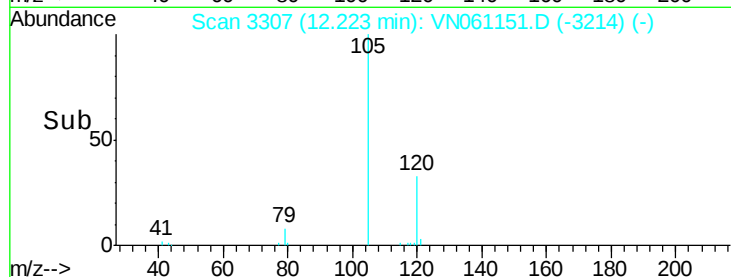
15000

10000

5000

0

Time--> 12.15 12.20 12.25



#74

N-ethyl acetate

Concen: 4.996 ug/l

RT: 12.04 min Scan# 3251

Delta R.T. 0.00 min

Lab File: VN061151.D

Acq: 27 Apr 2020 16:26

Tgt Ion: 43 Resp: 13894

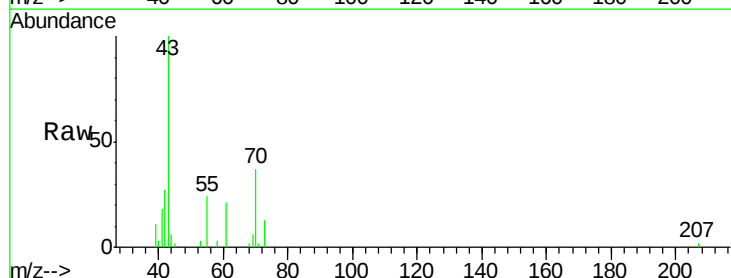
Ion Ratio Lower Upper

43 100

70 36.6 30.6 46.0

55 23.7 18.5 27.7

61 20.3 17.9 26.9



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

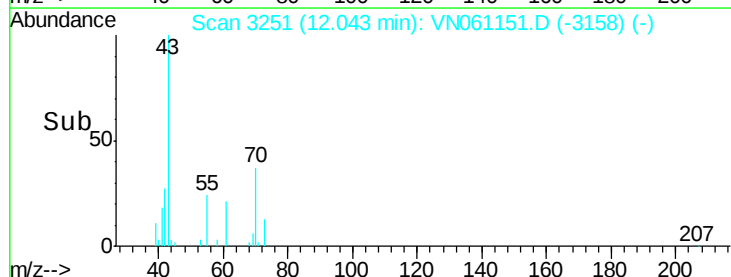
Ion 61.00 (60.70 to 61.70): V

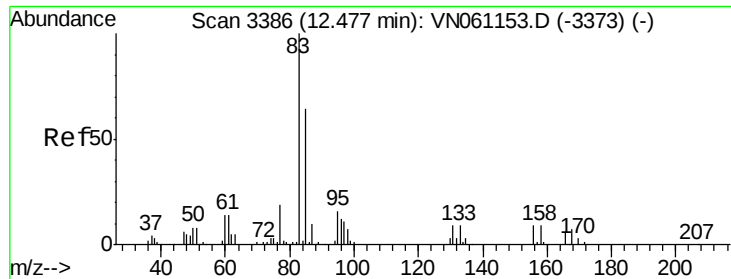
10000

5000

0

Time--> 12.00 12.05 12.10





#75

1,1,2,2-Tetrachloroethane

Concen: 5.930 ug/l

RT: 12.48 min Scan# 3386

Delta R.T. 0.00 min

Lab File: VN061151.D

Acq: 27 Apr 2020 16:26

Instrument :

MSVOA_N

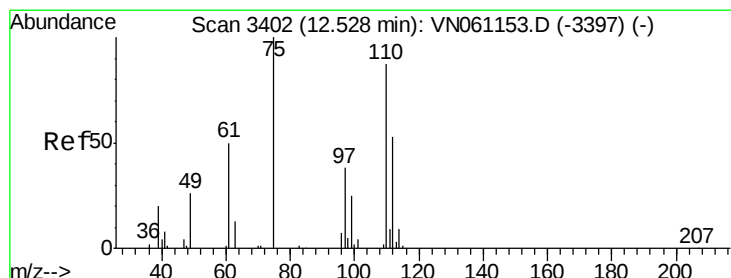
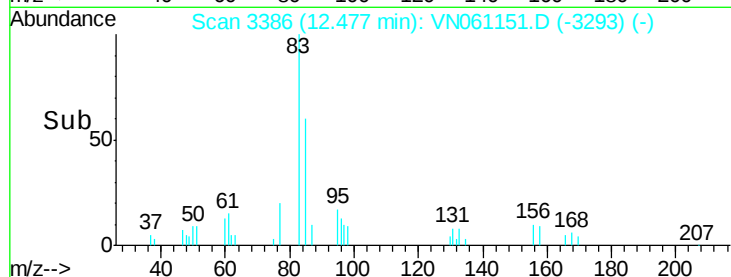
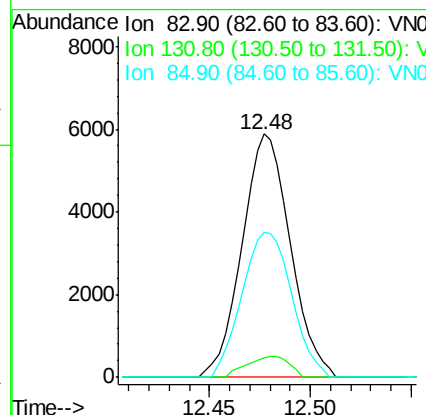
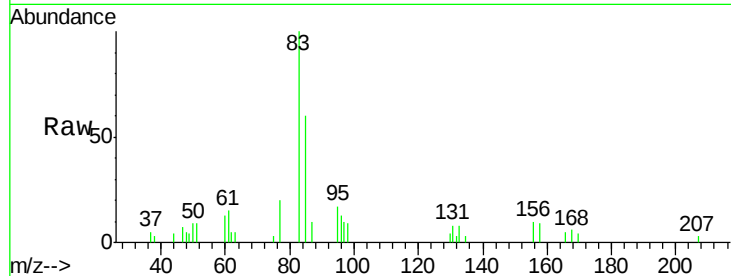
ClientSampleId :

VSTDIC005

Tot Ion:	83	Resp:	9865
Ion Ratio	Lower	Upper	
83	100		
131	7.4	4.8	14.3
85	61.3	32.0	96.0

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#76

1,2,3-Trichloropropane

Concen: 4.523 ug/l m

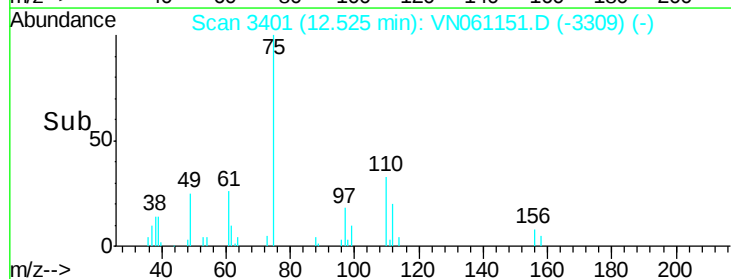
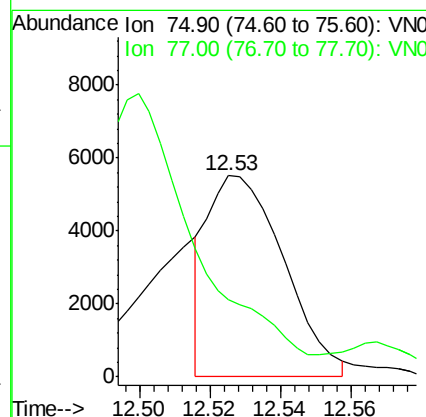
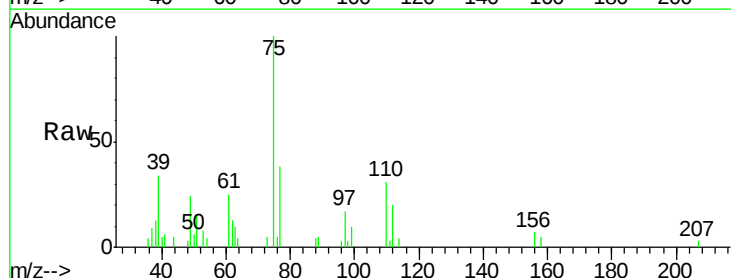
RT: 12.53 min Scan# 3401

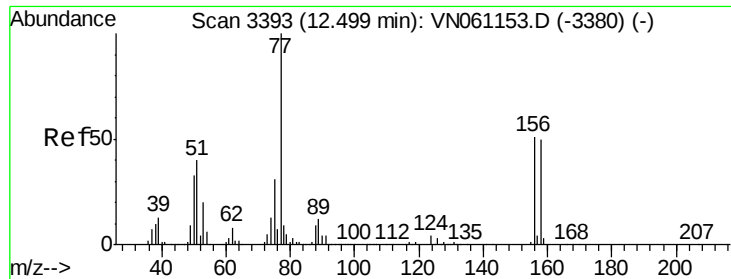
Delta R.T. -0.00 min

Lab File: VN061151.D

Acq: 27 Apr 2020 16:26

Tgt Ion:	75	Resp:	8259
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 4.903 ug/l

RT: 12.50 min Scan# 3393

Delta R.T. 0.00 min

Lab File: VN061151.D

Acq: 27 Apr 2020 16:26

Instrument :

MSVOA_N

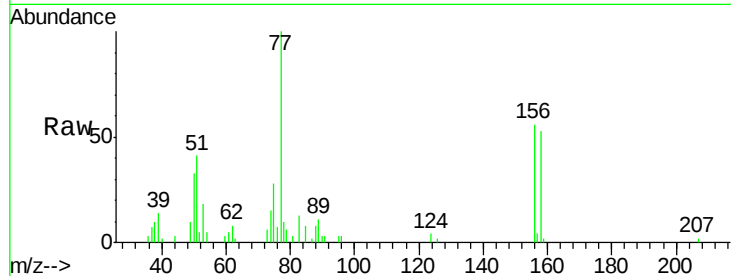
ClientSampleId :

VSTDIC005

Tot Ion	Ratio	Lower	Upper
156	100		
77	225.7	117.4	352.2
158	91.5	48.4	145.0

Manual Integrations
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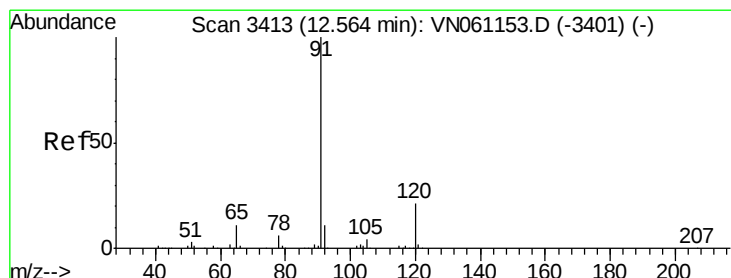
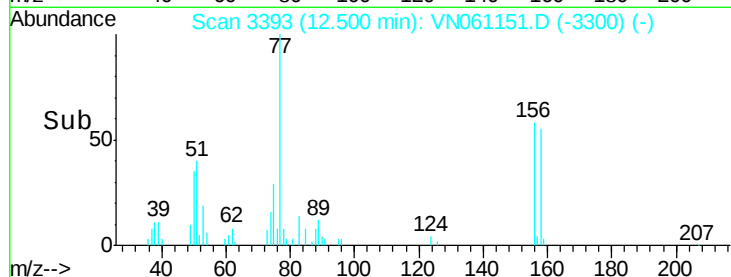
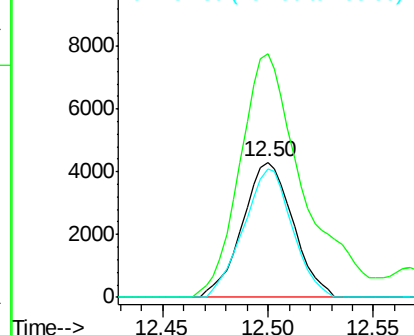


Abundance

Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 4.749 ug/l

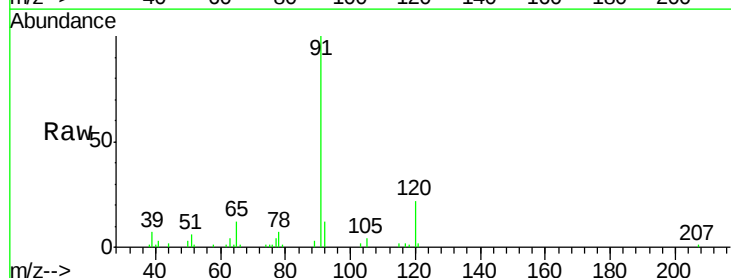
RT: 12.56 min Scan# 3413

Delta R.T. 0.00 min

Lab File: VN061151.D

Acq: 27 Apr 2020 16:26

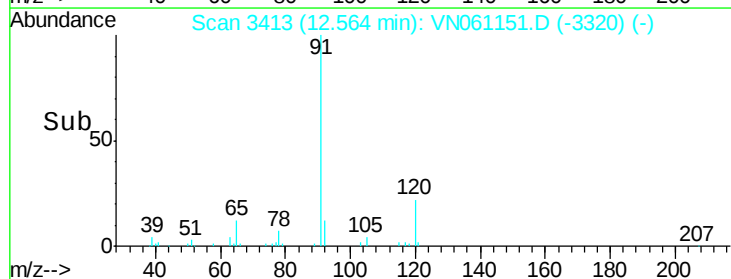
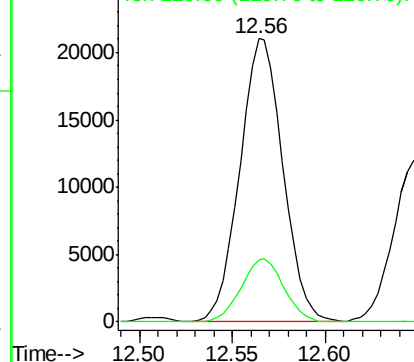
Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.0	10.8	32.3

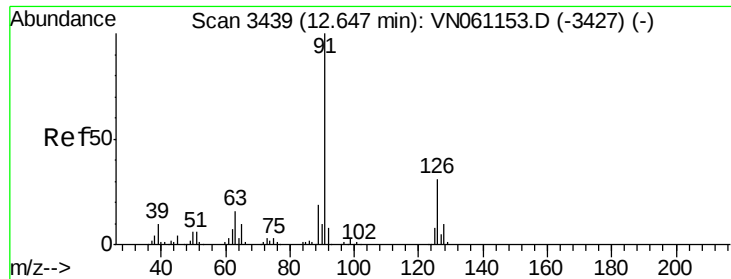


Abundance

Ion 91.00 (90.70 to 91.70): VN

Ion 120.00 (119.70 to 120.70): V





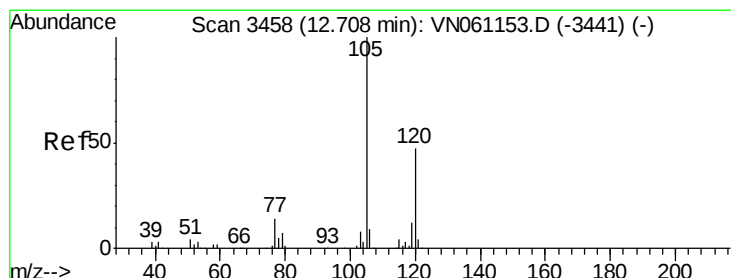
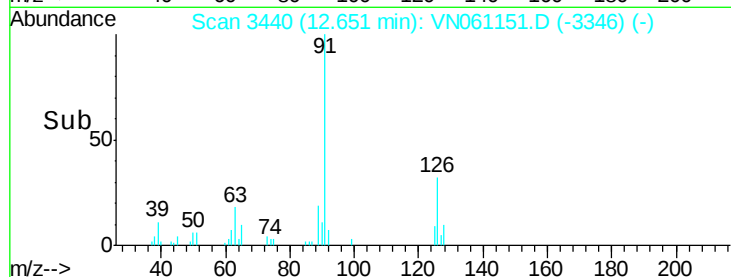
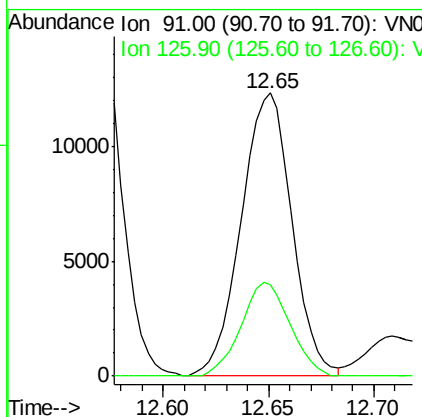
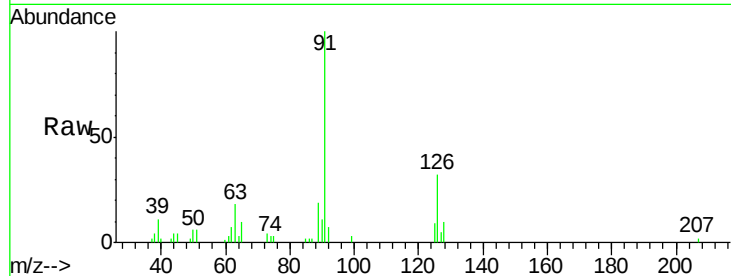
#79
 2-Chlorotoluene
 Concen: 4.986 ug/l
 RT: 12.65 min Scan# 3440
 Delta R.T. 0.00 min
 Lab File: VN061151.D
 Acq: 27 Apr 2020 16:26

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC005

Tot Ion: 91 Resp: 20659
 Ion Ratio Lower Upper
 91 100
 126 31.8 15.9 47.7

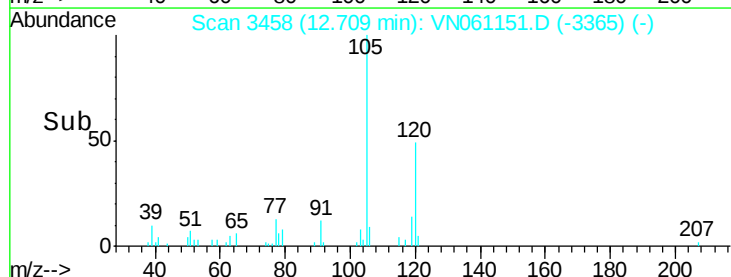
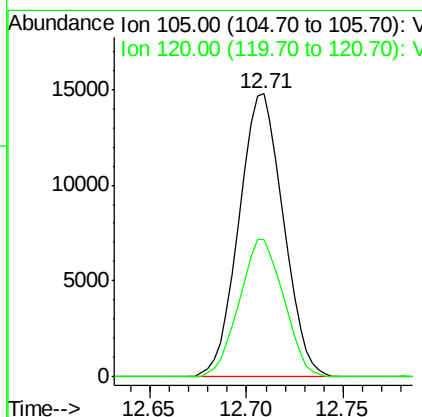
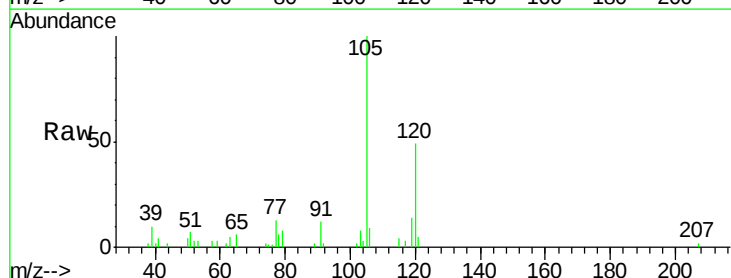
Manual Integrations
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#80
 1,3,5-Trimethylbenzene
 Concen: 4.626 ug/l
 RT: 12.71 min Scan# 3458
 Delta R.T. 0.00 min
 Lab File: VN061151.D
 Acq: 27 Apr 2020 16:26

Tgt Ion: 105 Resp: 23616
 Ion Ratio Lower Upper
 105 100
 120 48.5 23.9 71.7





#81

trans-1,4-Dichloro-2-butene

Concen: 4.420 ug/l

RT: 12.27 min Scan# 3323

Delta R.T. 0.00 min

Lab File: VN061151.D

Acq: 27 Apr 2020 16:26

Instrument :

MSVOA_N

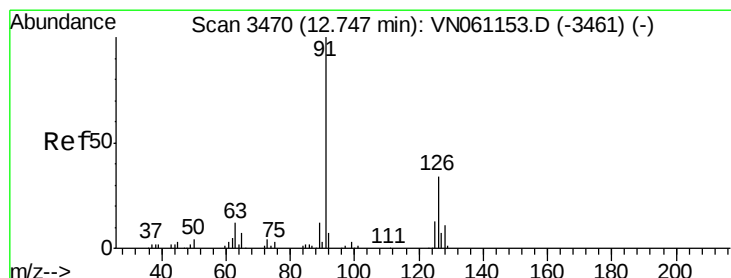
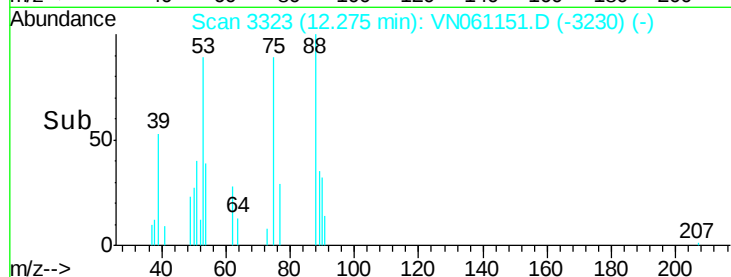
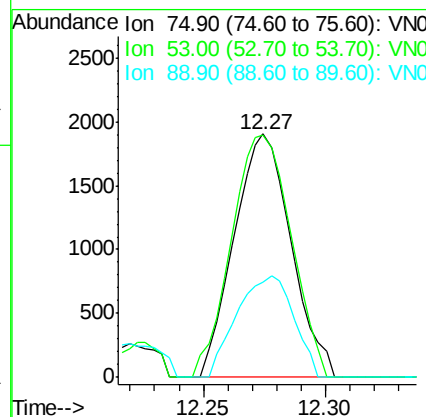
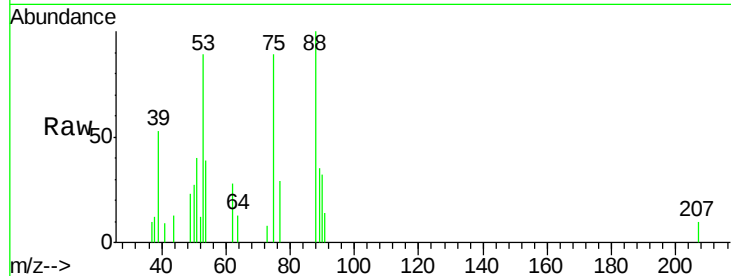
ClientSampleId :

VSTDIC005

Tot Ion:	75	Resp:	3079
Ion	Ratio	Lower	Upper
75	100		
53	104.3	84.1	126.1
89	41.7	35.2	52.8

Manual Integrations
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#82

4-Chlorotoluene

Concen: 4.807 ug/l

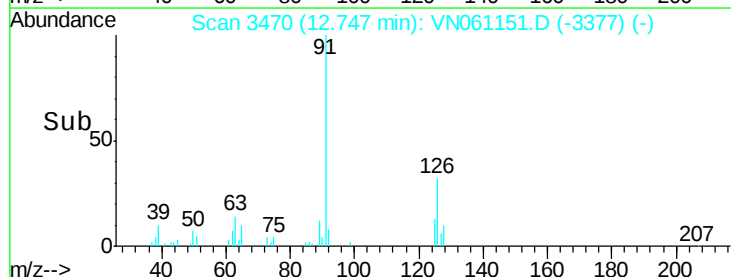
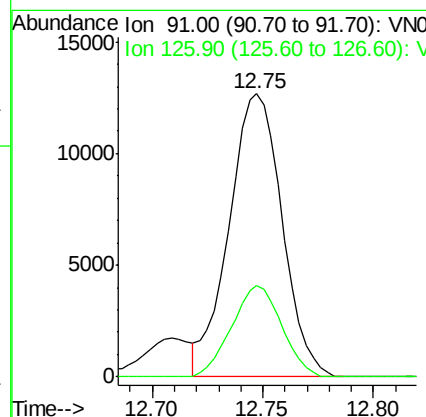
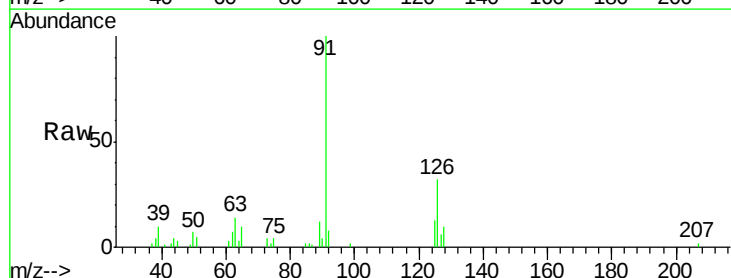
RT: 12.75 min Scan# 3470

Delta R.T. 0.00 min

Lab File: VN061151.D

Acq: 27 Apr 2020 16:26

Tgt Ion:	91	Resp:	21164
Ion	Ratio	Lower	Upper
91	100		
126	30.4	15.7	47.1





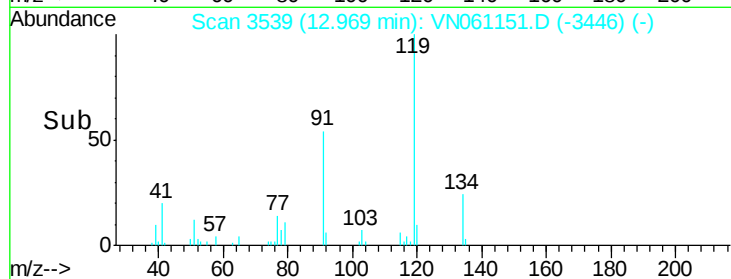
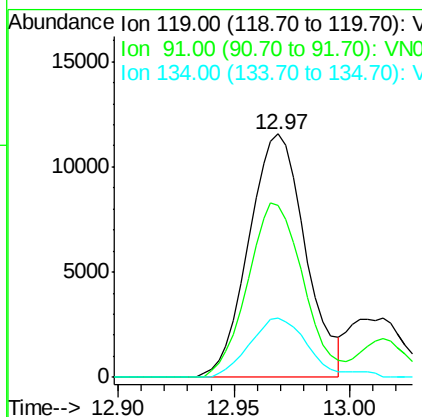
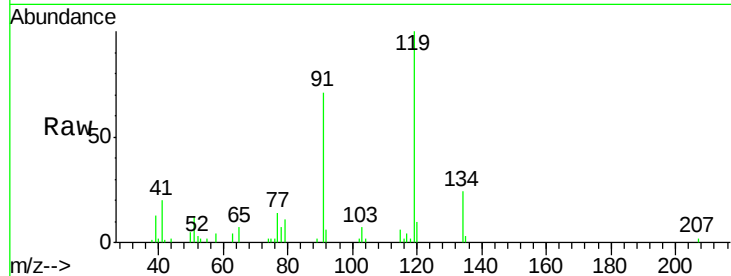
#83
 tert-Butylbenzene
 Concen: 4.584 ug/l
 RT: 12.97 min Scan# 3539
 Delta R.T. 0.00 min
 Lab File: VN061151.D
 Acq: 27 Apr 2020 16:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
119	100		
91	70.8	34.8	104.4
134	25.6	12.9	38.7

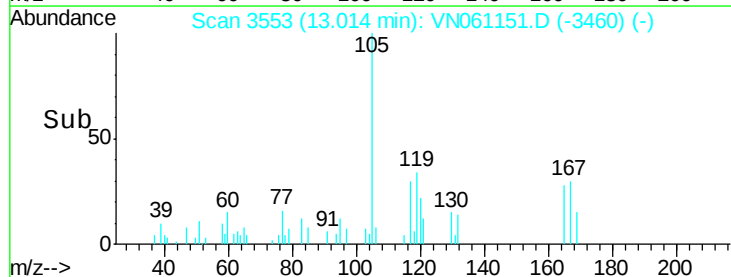
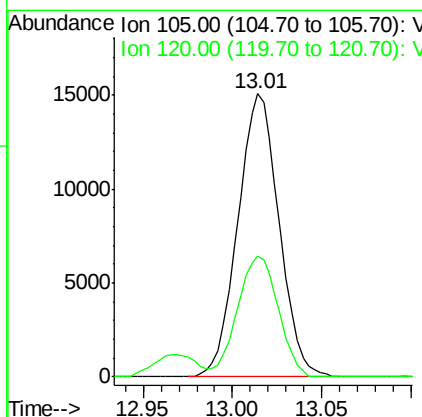
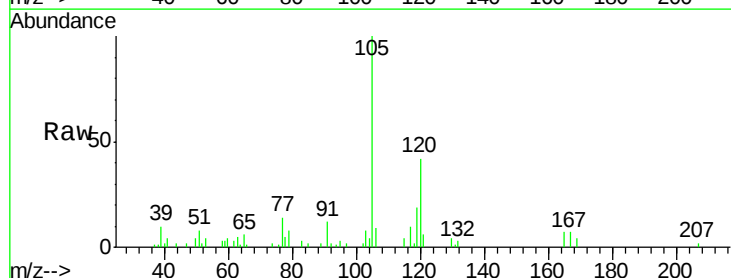
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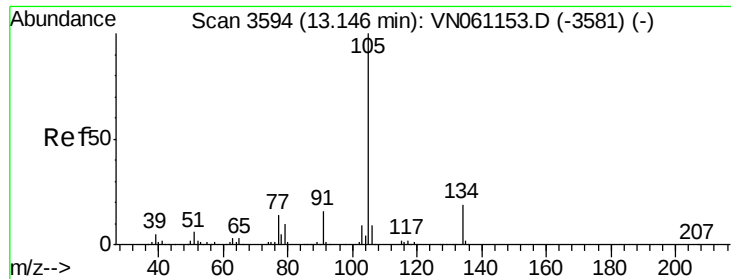
MMDadoda
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#84
 1,2,4-Trimethylbenzene
 Concen: 4.768 ug/l
 RT: 13.01 min Scan# 3553
 Delta R.T. 0.00 min
 Lab File: VN061151.D
 Acq: 27 Apr 2020 16:26

Tgt Ion	Ratio	Lower	Upper
105	100		
120	41.8	22.2	66.6





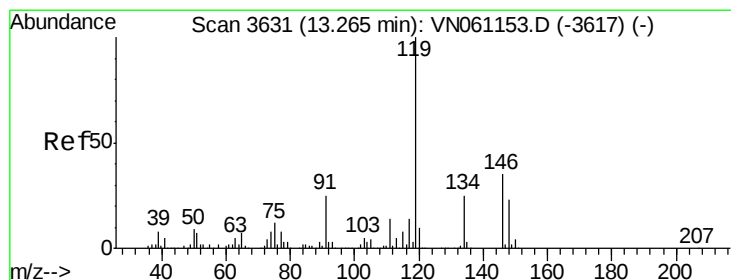
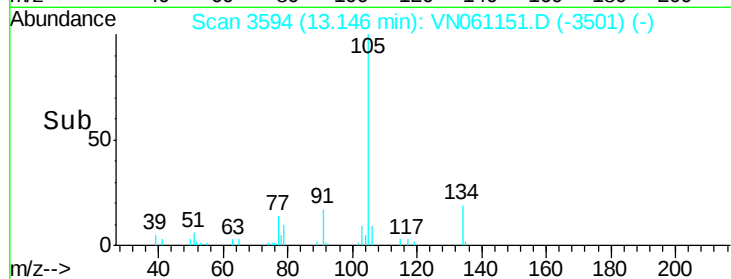
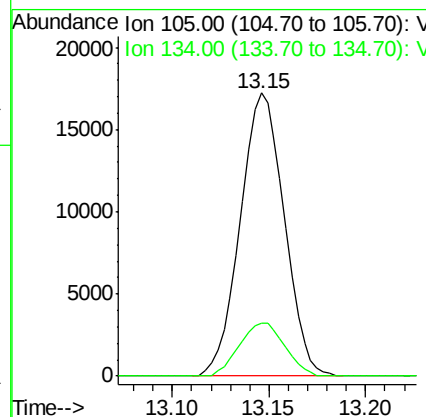
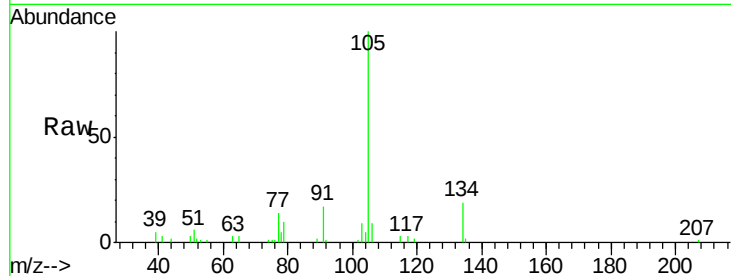
#85
 sec-Butylbenzene
 Concen: 4.690 ug/l
 RT: 13.15 min Scan# 3594
 Delta R.T. 0.00 min
 Lab File: VN061151.D
 Acq: 27 Apr 2020 16:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.3	9.6	28.8

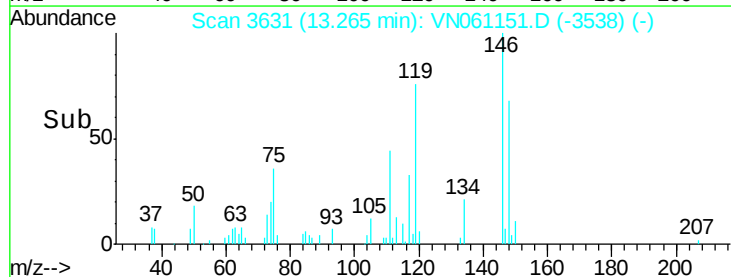
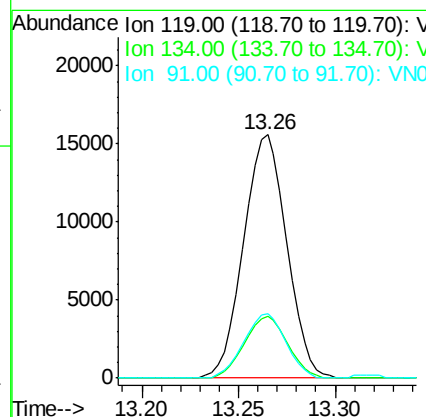
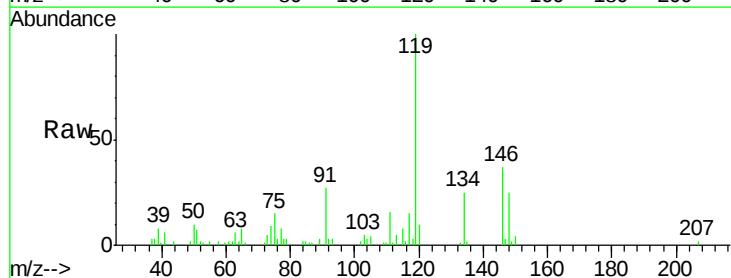
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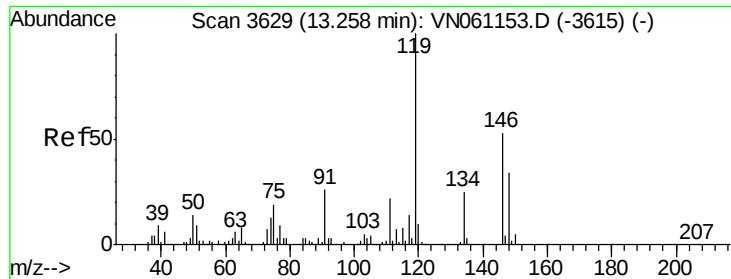
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#86
 p-Isopropyltoluene
 Concen: 4.591 ug/l
 RT: 13.26 min Scan# 3631
 Delta R.T. 0.00 min
 Lab File: VN061151.D
 Acq: 27 Apr 2020 16:26

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.4	12.6	37.6
91	25.7	12.7	38.0





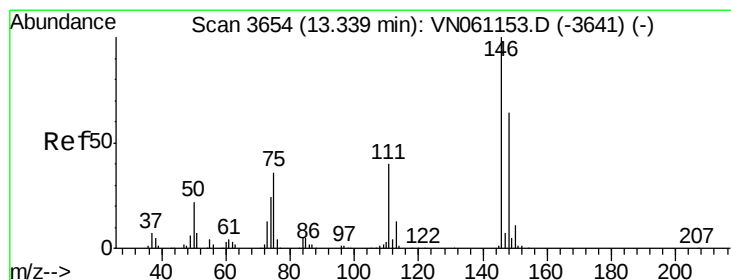
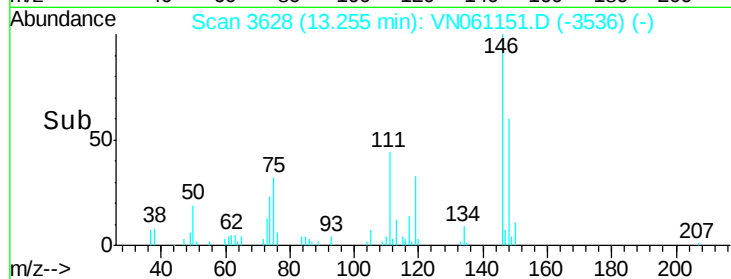
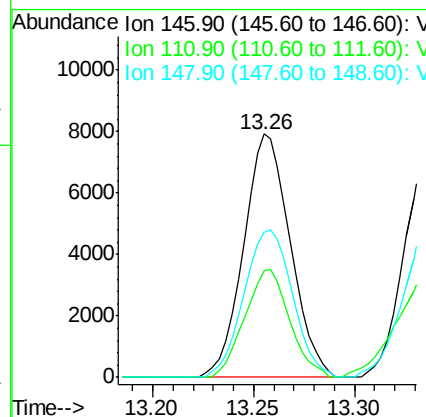
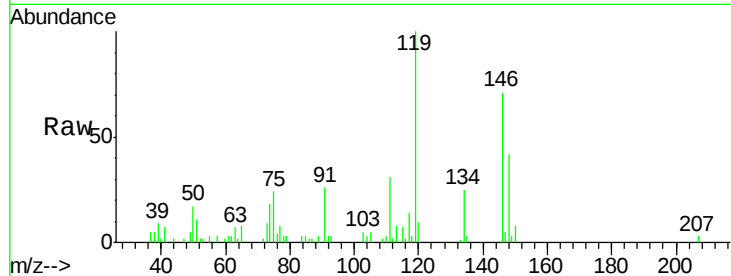
#87
 1,3-Dichlorobenzene
 Concen: 4.907 ug/l
 RT: 13.26 min Scan# 3628
 Delta R.T. -0.00 min
 Lab File: VN061151.D
 Acq: 27 Apr 2020 16:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.5	20.7	62.1
148	63.1	31.8	95.3

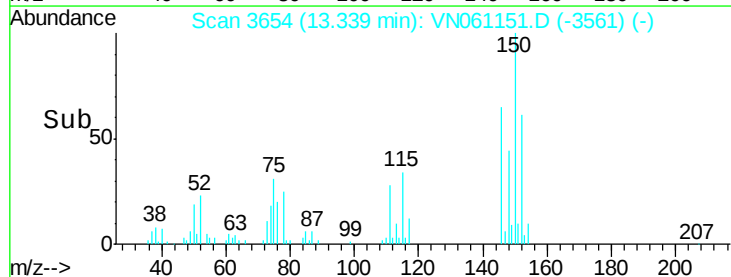
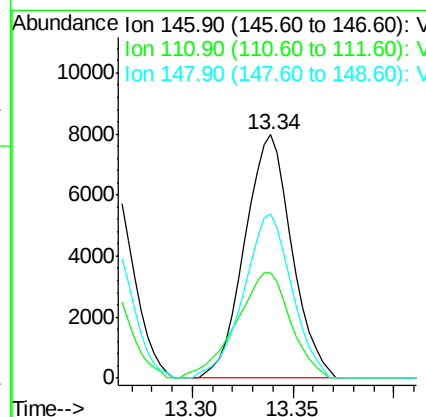
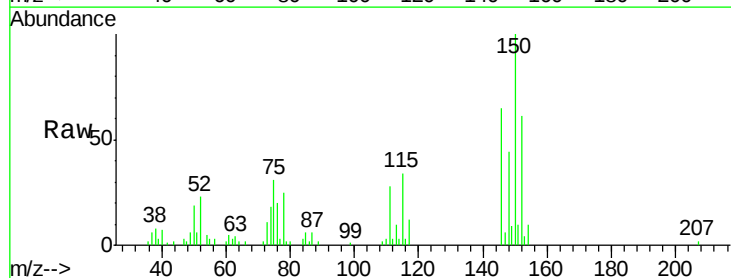
Manual Integrations
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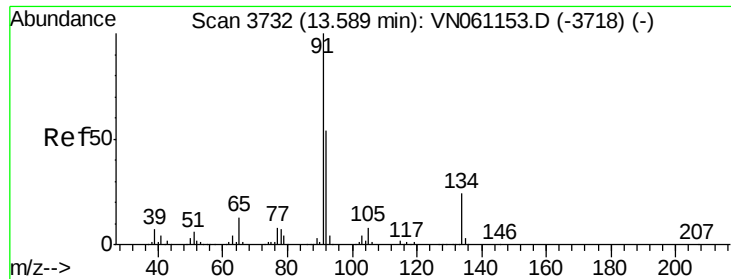
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#88
 1,4-Dichlorobenzene
 Concen: 4.919 ug/l
 RT: 13.34 min Scan# 3654
 Delta R.T. 0.00 min
 Lab File: VN061151.D
 Acq: 27 Apr 2020 16:26

Tgt Ion	Ratio	Lower	Upper
146	100		
111	50.3	20.4	61.3
148	69.1	31.9	95.7





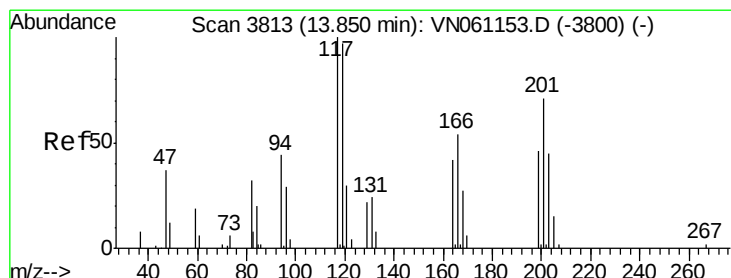
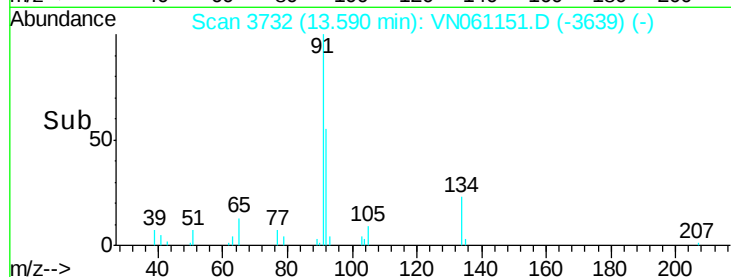
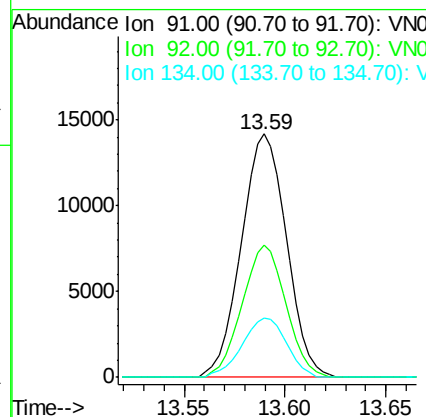
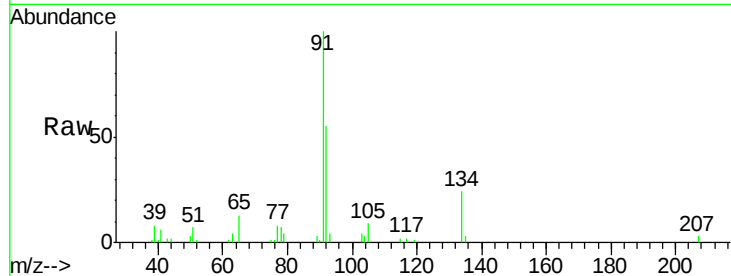
#89
n-Butylbenzene
Concen: 4.628 ug/l
RT: 13.59 min Scan# 3732
Delta R.T. 0.00 min
Lab File: VN061151.D
Acq: 27 Apr 2020 16:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.6	26.8	80.3
134	24.0	11.9	35.5

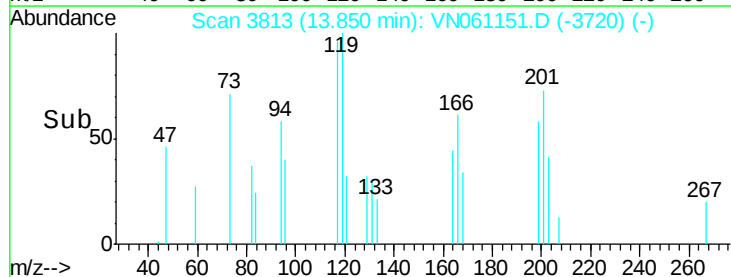
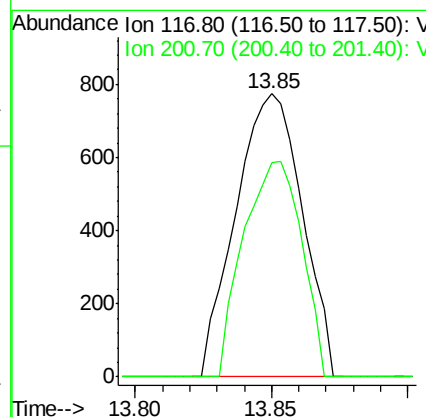
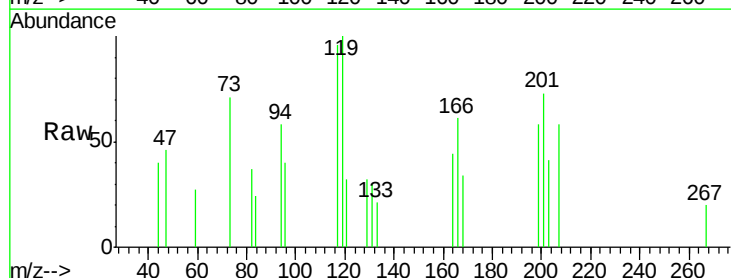
Manual Integrations
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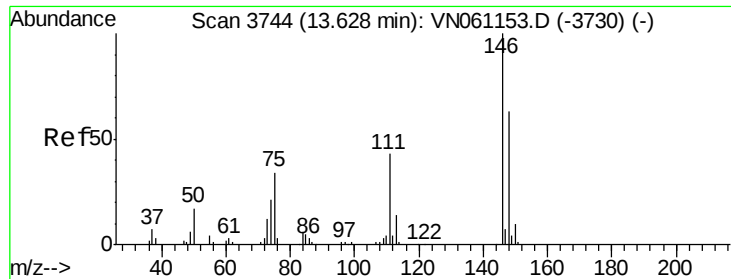
MMDadoda
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#90
Hexachloroethane
Concen: 3.075 ug/l
RT: 13.85 min Scan# 3813
Delta R.T. 0.00 min
Lab File: VN061151.D
Acq: 27 Apr 2020 16:26

Tgt Ion	Ratio	Lower	Upper
117	100		
201	66.7	35.5	106.7





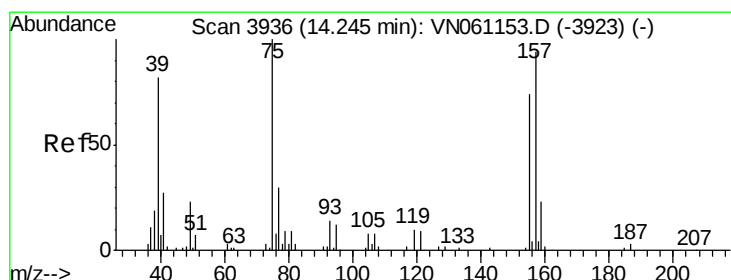
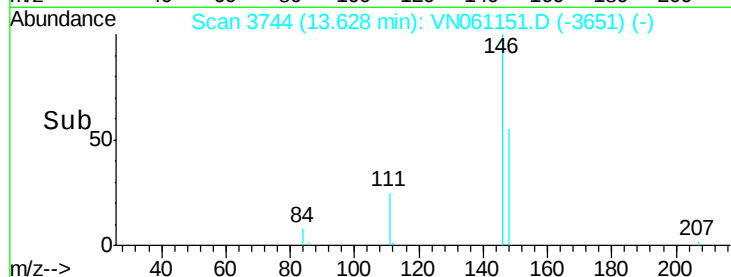
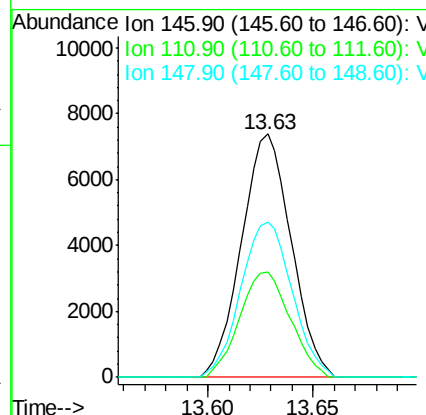
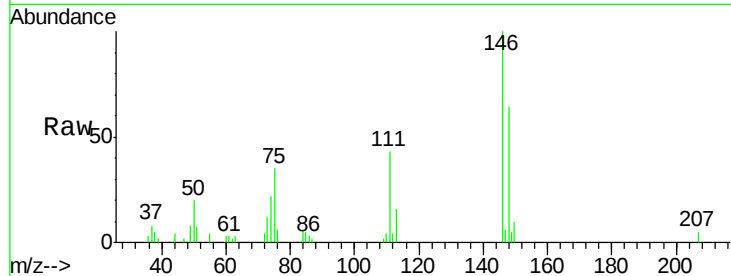
#91
 1,2-Dichlorobenzene
 Concen: 4.976 ug/l
 RT: 13.63 min Scan# 3744
 Delta R.T. 0.00 min
 Lab File: VN061151.D
 Acq: 27 Apr 2020 16:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.9	21.8	65.3
148	65.8	31.6	95.0

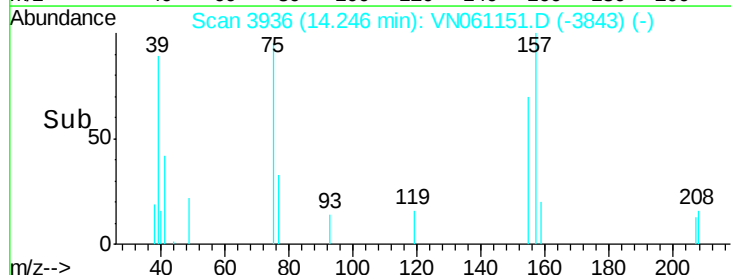
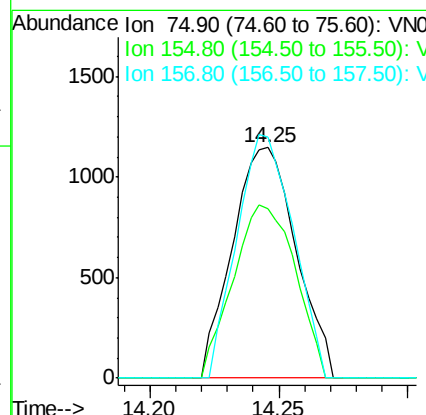
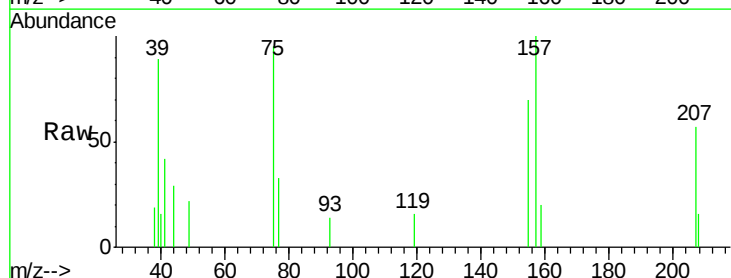
Manual Integrations
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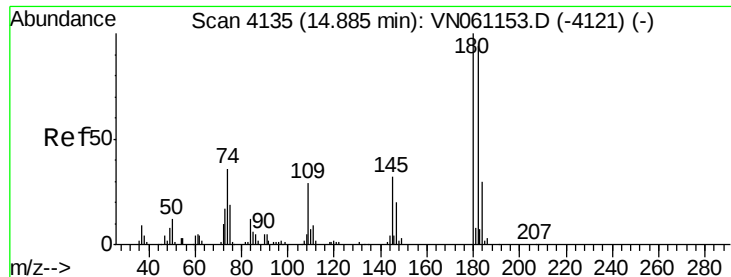
MMDadoda
 4/28/2020 8:14:34 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 5.446 ug/l
 RT: 14.25 min Scan# 3936
 Delta R.T. 0.00 min
 Lab File: VN061151.D
 Acq: 27 Apr 2020 16:26

Tgt Ion	Ratio	Lower	Upper
75	100		
155	73.4	36.5	109.7
157	93.9	46.6	139.7





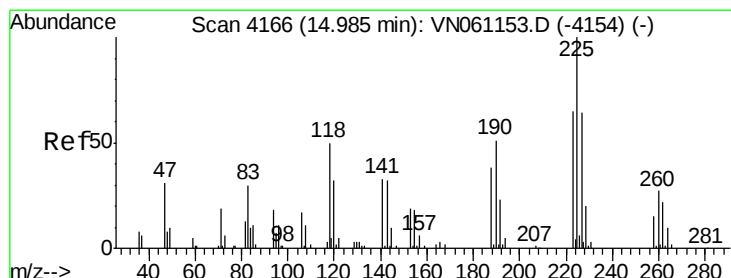
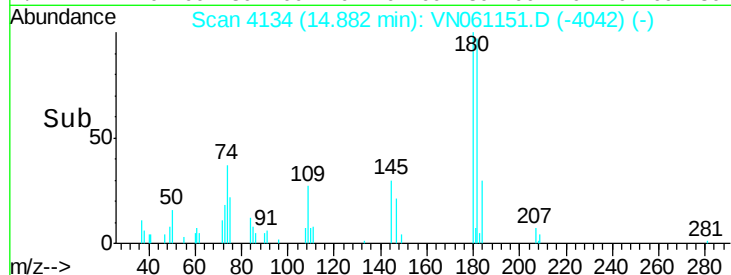
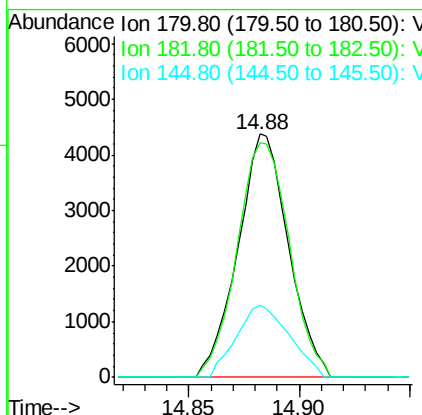
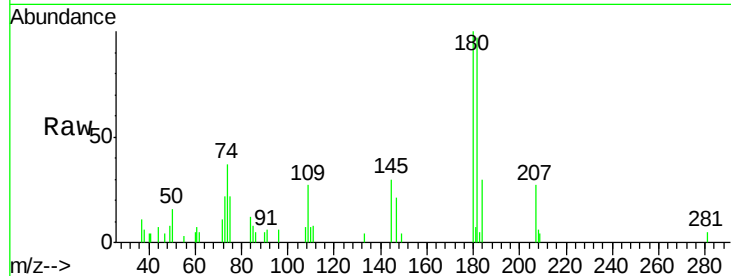
#93
 1,2,4-Trichlorobenzene
 Concen: 4.316 ug/l
 RT: 14.88 min Scan# 4134
 Delta R.T. -0.00 min
 Lab File: VN061151.D
 Acq: 27 Apr 2020 16:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
180	100		
182	99.7	47.3	141.9
145	31.0	16.0	47.9

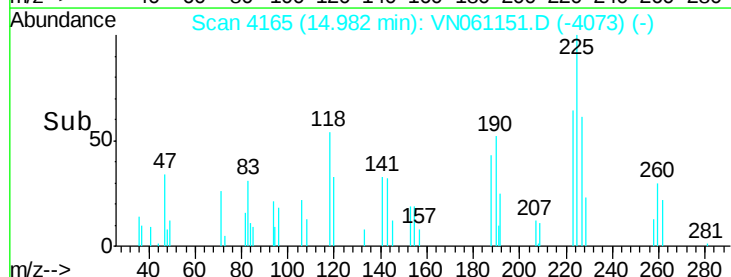
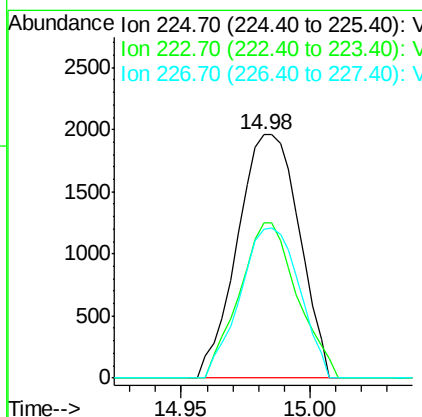
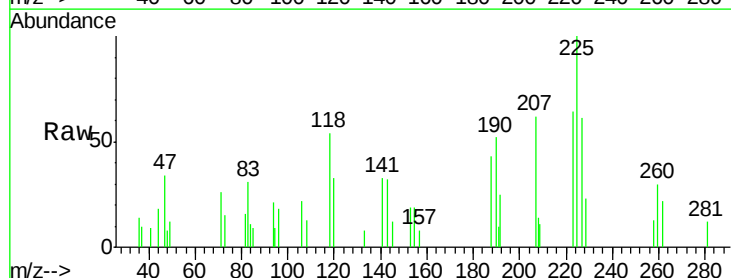
Manual Integrations
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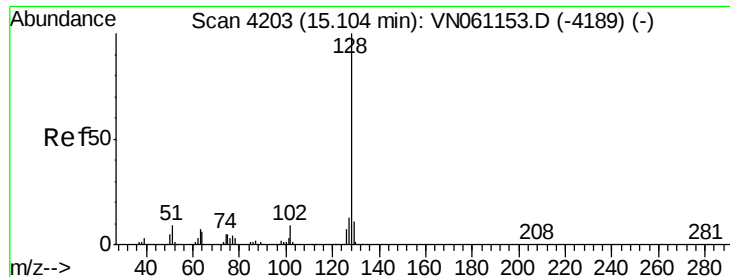
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 4/28/2020 8:14:34 PM



#94
 Hexachlorobutadiene
 Concen: 4.674 ug/l
 RT: 14.98 min Scan# 4165
 Delta R.T. -0.00 min
 Lab File: VN061151.D
 Acq: 27 Apr 2020 16:26

Tgt Ion	Ratio	Lower	Upper
225	100		
223	59.7	32.4	97.0
227	59.2	32.4	97.0





#95

Naphthalene

Concen: 4.363 ug/l

RT: 15.10 min Scan# 4203

Delta R.T. 0.00 min

Lab File: VN061151.D

Acq: 27 Apr 2020 16:26

Instrument :

MSVOA_N

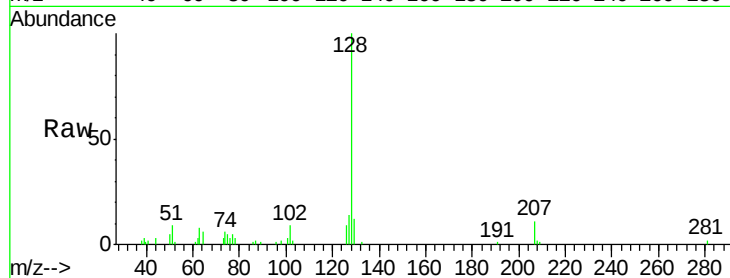
ClientSampleId :

VSTDIC005

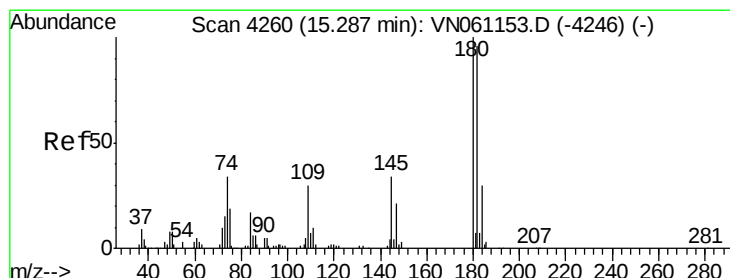
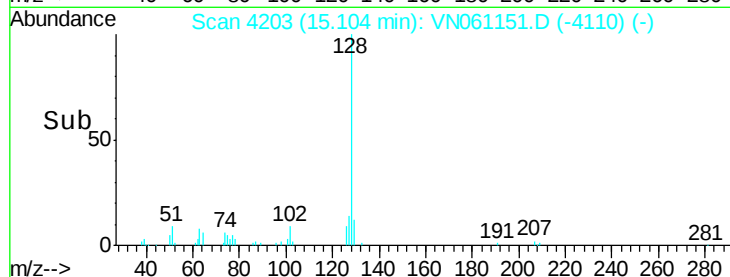
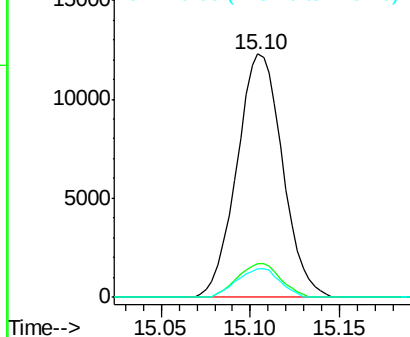
Tot Ion:128	Resp:	21926
Ion Ratio	Lower	Upper
128 100		
127 13.1	10.4	15.6
129 11.1	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
4/28/2020 8:14:34 PM



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 4.464 ug/l

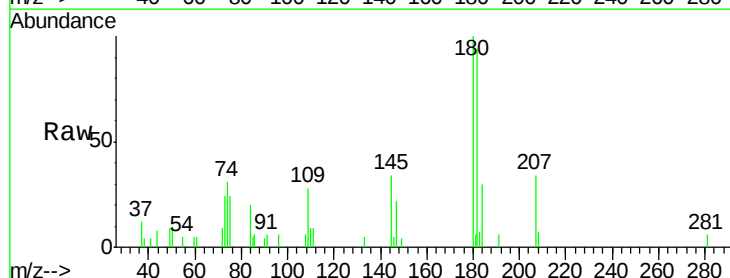
RT: 15.28 min Scan# 4259

Delta R.T. -0.00 min

Lab File: VN061151.D

Acq: 27 Apr 2020 16:26

Tgt Ion:180	Resp:	6942
Ion Ratio	Lower	Upper
180 100		
182 94.7	47.5	142.5
145 34.8	16.9	50.7



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

