

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN051820\
 Data File : VN061426.D
 Acq On : 18 May 2020 10:50
 Operator : JC/MD
 Sample : VSTDIC001
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Manual Integrations
 APPROVED

MMDadoda
 5/19/2020 4:25:22 PM

Quant Time: May 18 13:11:30 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N051820W.M
 Quant Title : SW846 8260
 QLast Update : Mon May 18 12:26:39 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	266485	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.54	114	473621	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	420599	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	172245	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	0.00	65	0d	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	
35) Dibromofluoromethane	0.00	113	0d	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	
50) Toluene-d8	0.00	98	0d	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	
62) 4-Bromofluorobenzene	0.00	95	0d	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.83	85	1857	0.861 ug/l	86
3) Chloromethane	2.03	50	4279	1.016 ug/l	90
4) Vinyl Chloride	2.16	62	5215	0.808 ug/l	90
6) Chloroethane	2.67	64	3764	0.823 ug/l #	87
7) Trichlorofluoromethane	2.97	101	5915	0.747 ug/l	91
8) Diethyl Ether	3.37	74	1806	1.012 ug/l	56
9) 1,1,2-Trichlorotrifluoroet	3.72	101	2367m	0.938 ug/l	
12) 1,1-Dichloroethene	3.70	96	2864	1.060 ug/l #	77
14) Allyl chloride	4.28	41	4195	0.876 ug/l #	83
15) Acrylonitrile	4.93	53	5886	4.468 ug/l #	69
16) Acetone	3.78	43	9077	8.793 ug/l #	84
17) Carbon Disulfide	4.01	76	7420	1.067 ug/l #	92
18) Methyl Acetate	4.27	43	3927m	1.300 ug/l	
19) Methyl tert-butyl Ether	4.99	73	9873	0.934 ug/l	97
20) Methylene Chloride	4.49	84	3433	1.054 ug/l	87
21) trans-1,2-Dichloroethene	4.98	96	2977	0.911 ug/l	96
22) Diisopropyl ether	5.90	45	9211	0.865 ug/l	96
23) Vinyl Acetate	5.84	43	35777	4.126 ug/l	98
24) 1,1-Dichloroethane	5.79	63	5296	0.870 ug/l #	90
25) 2-Butanone	6.79	43	9149	5.354 ug/l	95
26) 2,2-Dichloropropane	6.77	77	5571	1.069 ug/l #	74
27) cis-1,2-Dichloroethene	6.78	96	3416	0.900 ug/l	61
28) Bromochloromethane	7.15	49	1938m	0.725 ug/l	
29) Tetrahydrofuran	7.17	42	5949	5.129 ug/l #	78
30) Chloroform	7.33	83	5087	0.797 ug/l	93
32) 1,1,1-Trichloroethane	7.52	97	5026	0.884 ug/l #	51
36) 1,1-Dichloropropene	7.75	75	3997	0.846 ug/l	97
37) Ethyl Acetate	6.88	43	4817m	1.223 ug/l	
38) Carbon Tetrachloride	7.72	117	3056	0.754 ug/l #	81
39) Methylcyclohexane	9.05	83	4911	0.873 ug/l	97
40) Benzene	8.00	78	12054	0.867 ug/l	97
41) Methacrylonitrile	7.12	41	1803m	0.986 ug/l	
42) 1,2-Dichloroethane	8.08	62	4455	0.891 ug/l	98
43) Isopropyl Acetate	8.12	43	6956	0.918 ug/l #	83

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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N051820W.M
 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Trichloroethene	8.80	130	2980	0.829	ug/l	96
45) 1,2-Dichloropropane	9.08	63	2832	0.808	ug/l	100
46) Dibromomethane	9.18	93	2146	0.911	ug/l	91
47) Bromodichloromethane	9.37	83	4195	0.820	ug/l #	91
48) Methyl methacrylate	9.17	41	3485	1.017	ug/l #	87
49) 1,4-Dioxane	9.16	88	1103	49.616	ug/l #	81
51) 4-Methyl-2-Pentanone	9.95	43	16753	4.108	ug/l	98
52) Toluene	10.12	92	7395	0.838	ug/l	99
53) t-1,3-Dichloropropene	10.35	75	4328	0.774	ug/l #	88
54) cis-1,3-Dichloropropene	9.81	75	5034	0.853	ug/l	97
55) 1,1,2-Trichloroethane	10.53	97	2589	0.788	ug/l	88
56) Ethyl methacrylate	10.40	69	4091	0.762	ug/l #	75
57) 1,3-Dichloropropane	10.68	76	4899	0.856	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.66	63	11702	5.159	ug/l	98
59) 2-Hexanone	10.72	43	12945	4.633	ug/l	92
60) Dibromochloromethane	10.87	129	2722	0.745	ug/l	95
61) 1,2-Dibromoethane	10.98	107	2908	0.842	ug/l	94
64) Tetrachloroethene	10.60	164	2959	0.899	ug/l	97
65) Chlorobenzene	11.40	112	7977	0.914	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.47	131	2526	0.820	ug/l #	61
67) Ethyl Benzene	11.48	91	13530	0.837	ug/l	90
68) m/p-Xylenes	11.59	106	10014	1.648	ug/l	97
69) o-Xylene	11.92	106	4930	0.837	ug/l	98
70) Styrene	11.94	104	7306	0.738	ug/l	95
71) Bromoform	12.10	173	1528	0.704	ug/l #	98
73) Isopropylbenzene	12.22	105	13272	0.947	ug/l	97
74) N-amyl acetate	12.05	43	4660	0.850	ug/l #	86
75) 1,1,2,2-Tetrachloroethane	12.48	83	3658	0.915	ug/l	98
76) 1,2,3-Trichloropropane	12.53	75	3617m	1.005	ug/l	
77) Bromobenzene	12.50	156	2732	0.890	ug/l	93
78) n-propylbenzene	12.56	91	14938	0.914	ug/l	98
79) 2-Chlorotoluene	12.65	91	8940	0.933	ug/l	93
80) 1,3,5-Trimethylbenzene	12.71	105	10021	0.854	ug/l	97
82) 4-Chlorotoluene	12.75	91	9050	0.899	ug/l	99
83) tert-Butylbenzene	12.97	119	8665	0.866	ug/l	91
84) 1,2,4-Trimethylbenzene	13.01	105	10276	0.878	ug/l	100
85) sec-Butylbenzene	13.15	105	11547	0.855	ug/l	96
86) p-Isopropyltoluene	13.26	119	10026	0.855	ug/l	98
87) 1,3-Dichlorobenzene	13.26	146	4447	0.799	ug/l	98
88) 1,4-Dichlorobenzene	13.34	146	4761	0.833	ug/l	84
89) n-Butylbenzene	13.59	91	9627	0.905	ug/l	95
90) Hexachloroethane	13.85	117	1256	0.777	ug/l	95
91) 1,2-Dichlorobenzene	13.63	146	4594	0.864	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	14.25	75	737	0.959	ug/l	73
93) 1,2,4-Trichlorobenzene	14.89	180	2109	0.723	ug/l	81
94) Hexachlorobutadiene	14.98	225	1234	1.099	ug/l	89
95) Naphthalene	15.11	128	6767	0.716	ug/l	96
96) 1,2,3-Trichlorobenzene	15.29	180	2314	0.794	ug/l	88

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ClientSampleId :
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

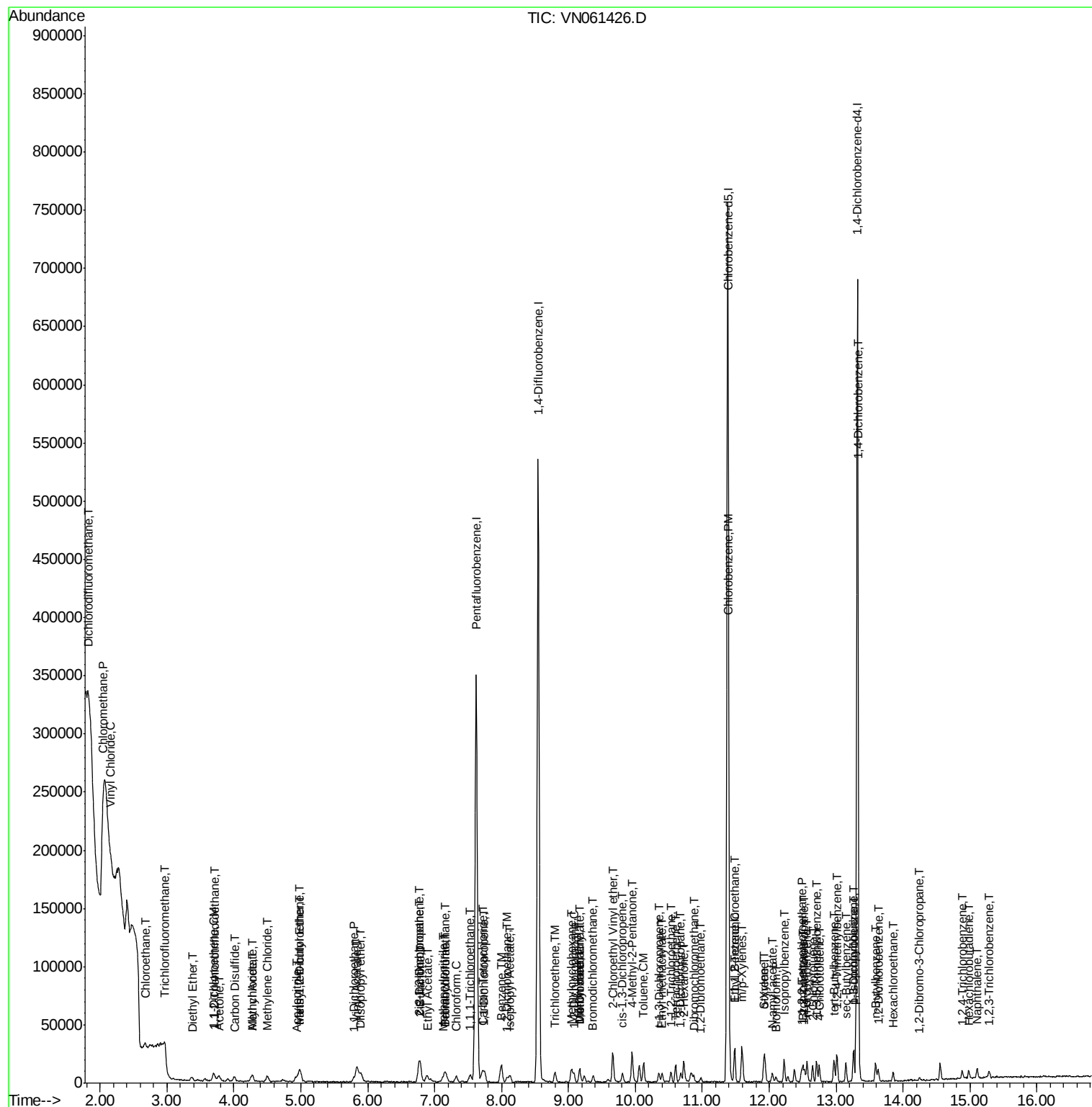
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN051820\
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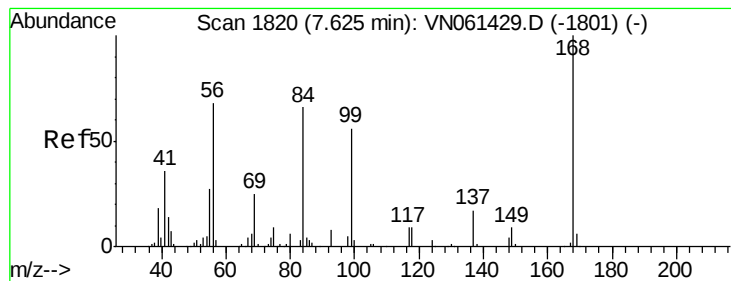
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1819

Delta R.T. -0.00 min

Lab File: VN061426.D

Acq: 18 May 2020 10:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion:168 Resp: 266485

Ion Ratio Lower Upper

168 100

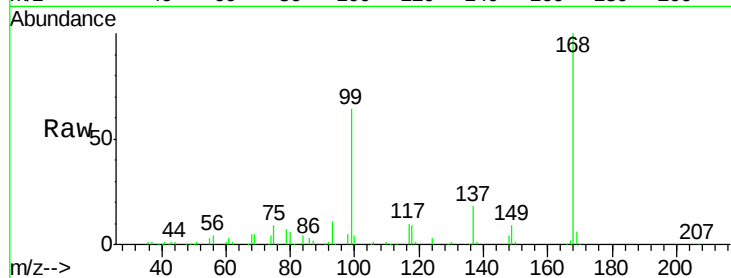
99 64.2 51.1 76.7

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

7.62

120000

100000

80000

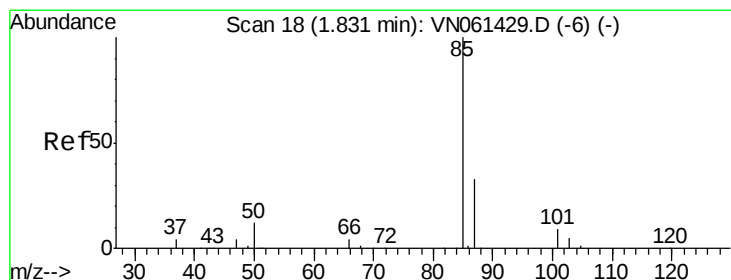
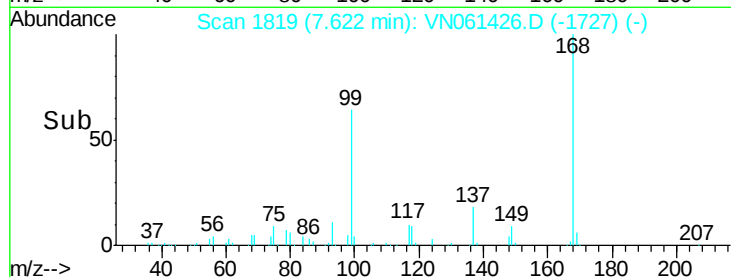
60000

40000

20000

0

Time--> 7.50 7.60 7.70



#2

Dichlorodifluoromethane

Concen: 0.861 ug/l

RT: 1.83 min Scan# 17

Delta R.T. -0.00 min

Lab File: VN061426.D

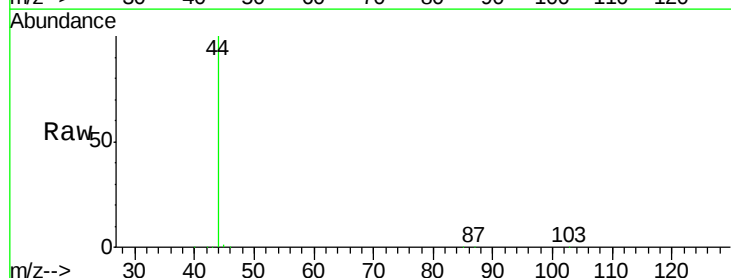
Acq: 18 May 2020 10:50

Tgt Ion: 85 Resp: 1857

Ion Ratio Lower Upper

85 100

87 24.7 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.83

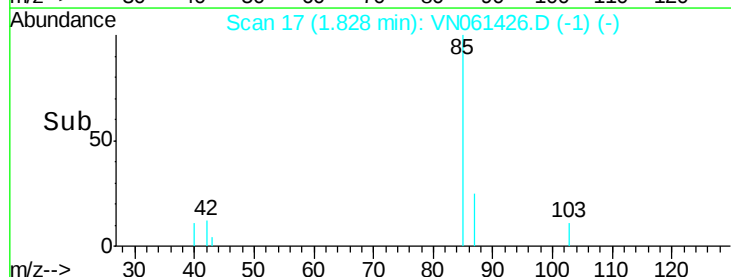
1500

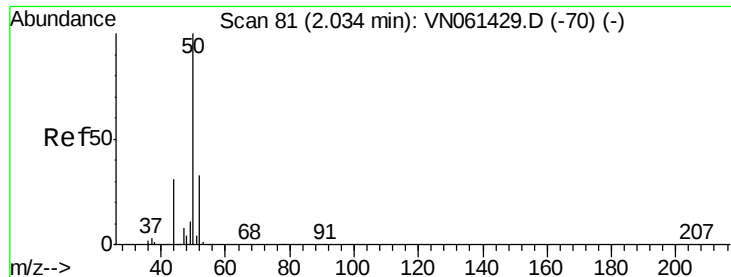
1000

500

0

Time--> 1.80 1.82 1.84 1.86





#3

Chloromethane

Concen: 1.016 ug/l

RT: 2.03 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN061426.D

Acq: 18 May 2020 10:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion: 50 Resp: 4279

Ion Ratio Lower Upper

50 100

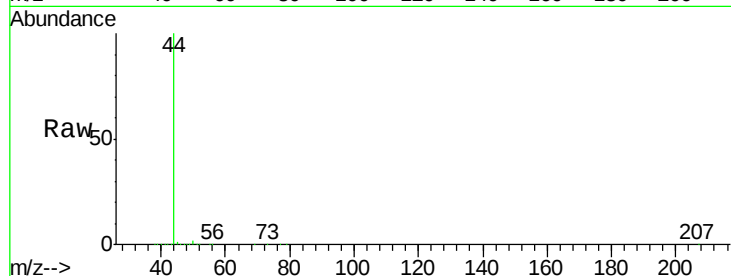
52 27.6 26.7 40.1

Manual Integrations

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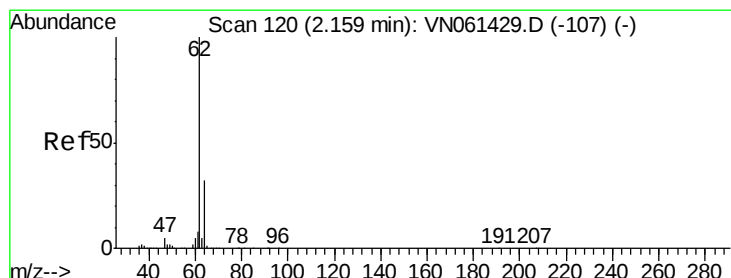
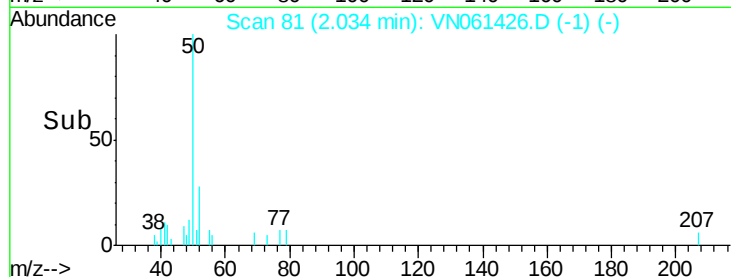
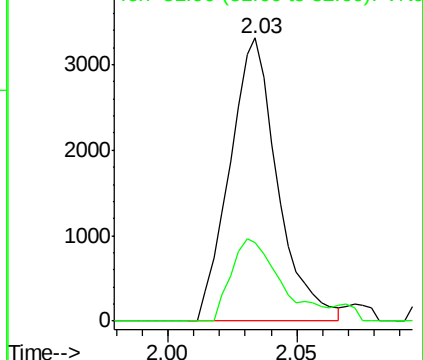
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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 0.808 ug/l

RT: 2.16 min Scan# 120

Delta R.T. -0.00 min

Lab File: VN061426.D

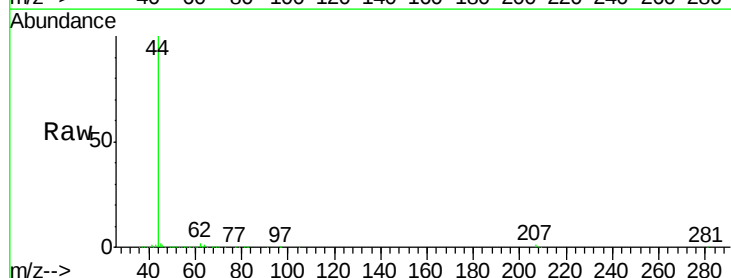
Acq: 18 May 2020 10:50

Tgt Ion: 62 Resp: 5215

Ion Ratio Lower Upper

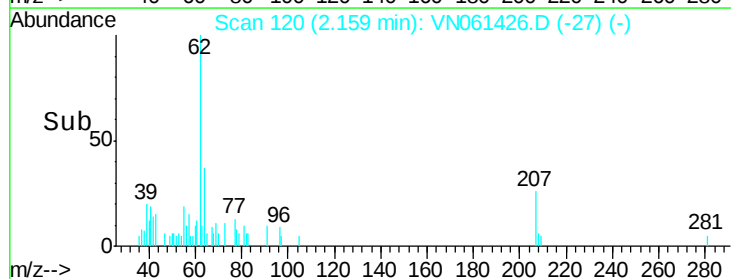
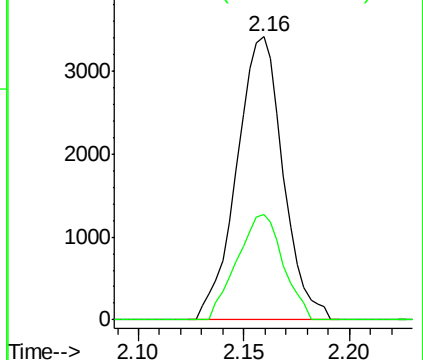
62 100

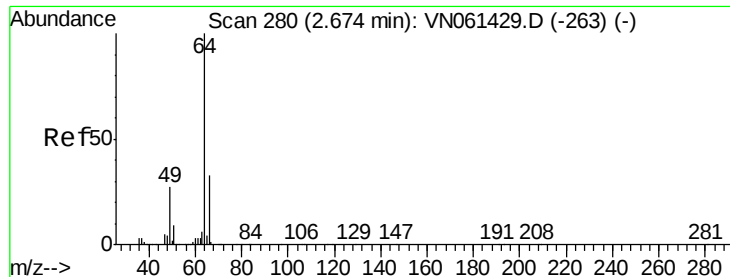
64 37.3 25.3 37.9



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#6

Chloroethane

Concen: 0.823 ug/l

RT: 2.67 min Scan# 280

Delta R.T. -0.00 min

Lab File: VN061426.D

Acq: 18 May 2020 10:50

Instrument :

MSVOA_N

ClientSampled :

VSTDIC001

Tot Ion: 64 Resp: 3764

Ion Ratio Lower Upper

64 100

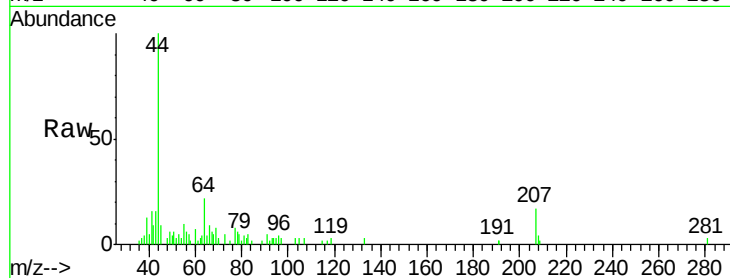
66 40.2 26.3 39.5#

Manual Integrations

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Abundance Ion 63.90 (63.60 to 64.60): VN061426.D (-187) (-)

Ion 65.90 (65.60 to 66.60): VN061426.D (-187) (-)

2.67

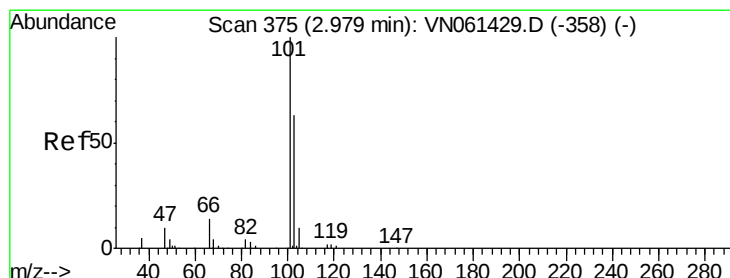
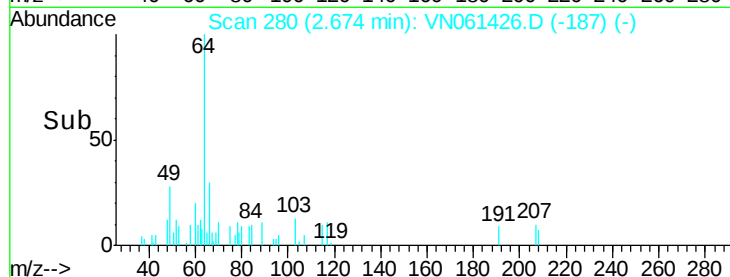
1500

1000

500

0

Time-->



#7

Trichlorofluoromethane

Concen: 0.747 ug/l

RT: 2.97 min Scan# 373

Delta R.T. -0.01 min

Lab File: VN061426.D

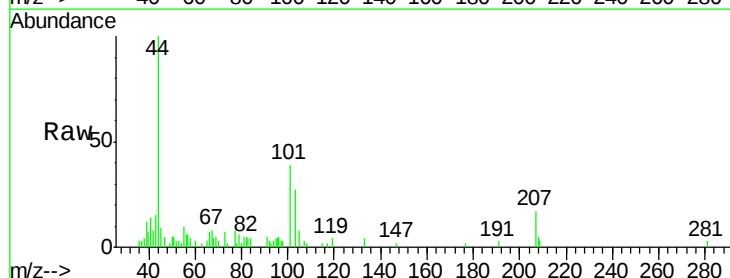
Acq: 18 May 2020 10:50

Tgt Ion: 101 Resp: 5915

Ion Ratio Lower Upper

101 100

103 69.4 50.2 75.4



Abundance Ion 100.90 (100.60 to 101.60): VN061426.D (-282) (-)

Ion 102.80 (102.50 to 103.50): VN061426.D (-282) (-)

2.97

3000

2500

2000

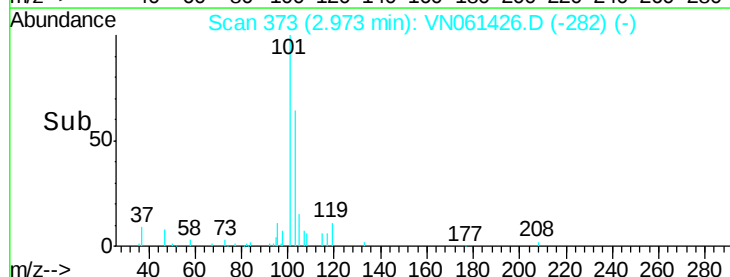
1500

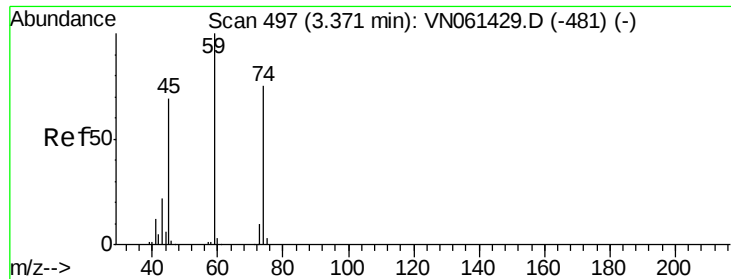
1000

500

0

Time-->





#8

Diethyl Ether

Concen: 1.012 ug/l

RT: 3.37 min Scan# 496

Delta R.T. -0.00 min

Lab File: VN061426.D

Acq: 18 May 2020 10:50

Instrument :

MSVOA_N

ClientSampled :

VSTDIC001

Tot Ion: 74 Resp: 1806

Ion Ratio Lower Upper

74 100

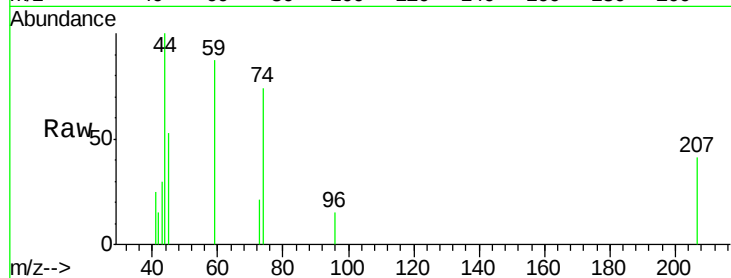
45 49.6 45.7 137.1

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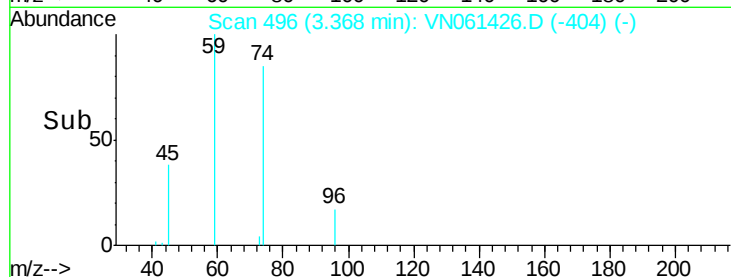


Abundance Ion 74.00 (73.70 to 74.70): VN061426.D (-404) (-)

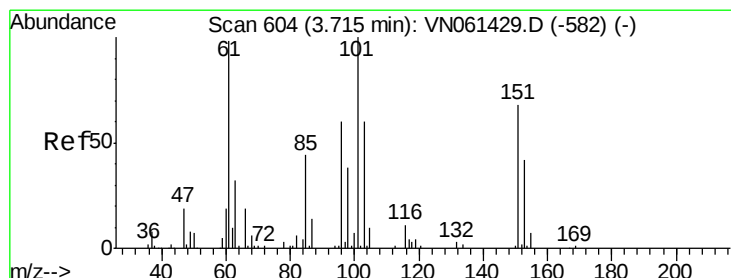
Ion 45.00 (44.70 to 45.70): VN061426.D (-404) (-)

3.37

3.35 3.40



Time-->



#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.938 ug/l m

RT: 3.72 min Scan# 605

Delta R.T. 0.00 min

Lab File: VN061426.D

Acq: 18 May 2020 10:50

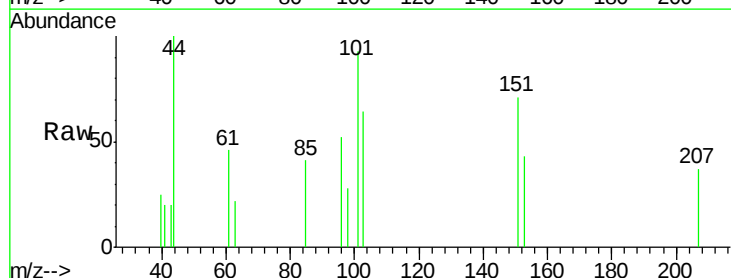
Tgt Ion: 101 Resp: 2367

Ion Ratio Lower Upper

101 100

85 46.2 36.6 55.0

151 68.1 56.3 84.5



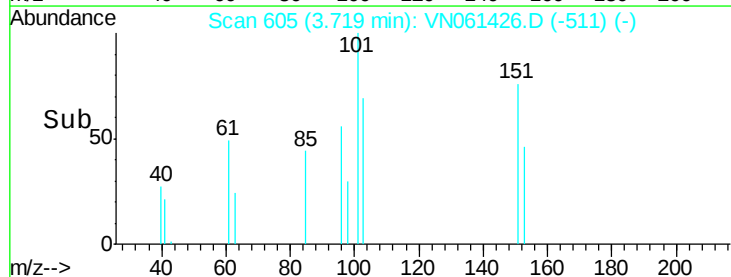
Abundance Ion 100.90 (100.60 to 101.60): VN061426.D (-511) (-)

Ion 84.90 (84.60 to 85.60): VN061426.D (-511) (-)

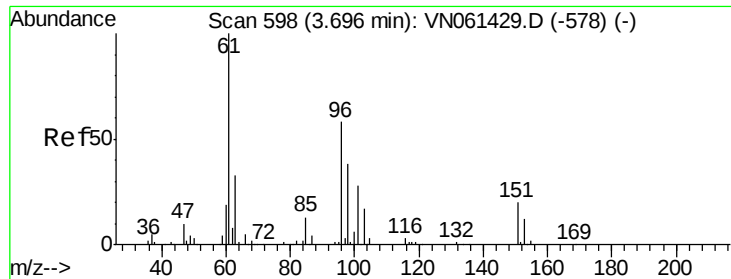
Ion 150.80 (150.50 to 151.50): VN061426.D (-511) (-)

3.72

3.65 3.70 3.75



Time-->



#12

1,1-Dichloroethene

Concen: 1.060 ug/l

RT: 3.70 min Scan# 598

Delta R.T. -0.00 min

Lab File: VN061426.D

Acq: 18 May 2020 10:50

Instrument :

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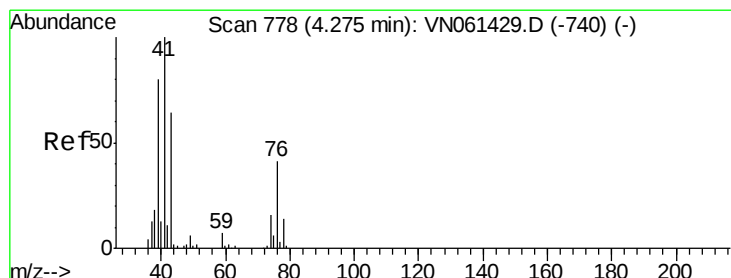
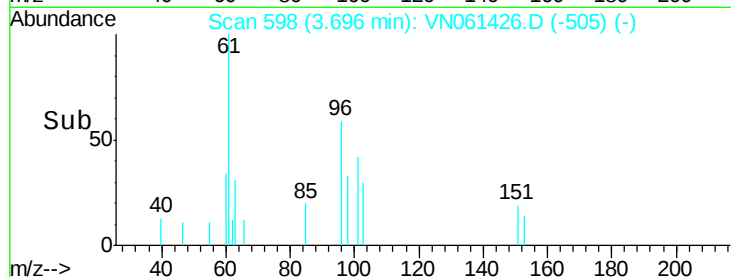
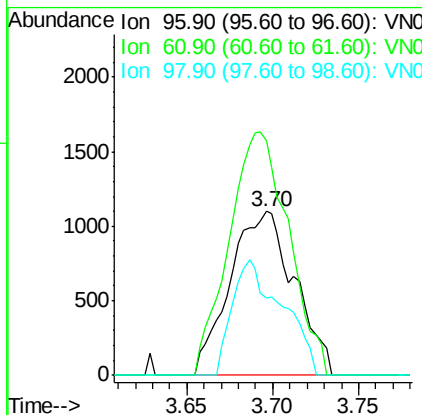
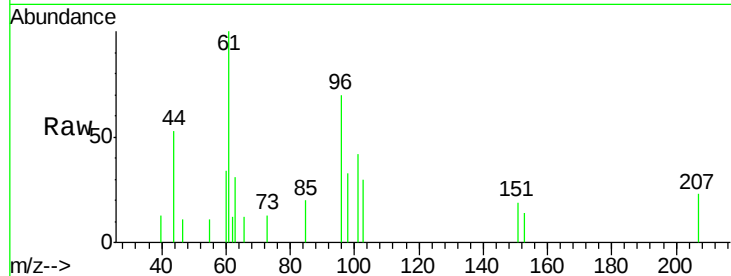
ClientSampleId :

VSTDIC001

Tot Ion:	96	Resp:	2864
Ion	Ratio	Lower	Upper
96	100		
61	142.7	138.7	208.1
98	47.1	53.0	79.6#

Manual Integrations
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#14

Allyl chloride

Concen: 0.876 ug/l

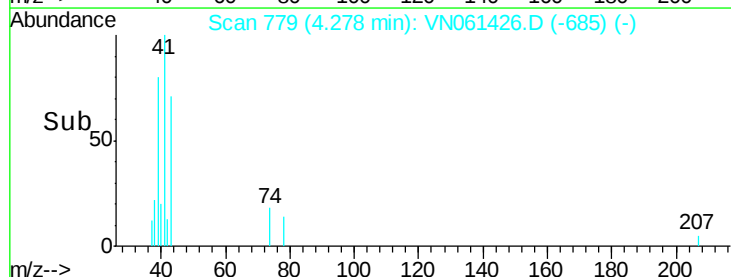
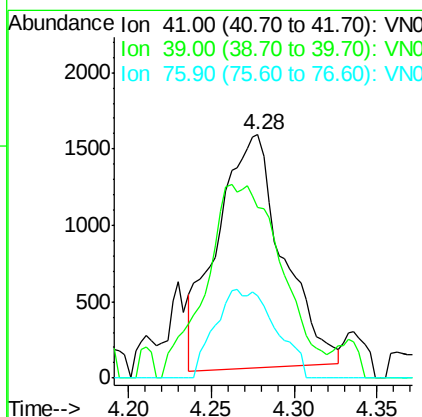
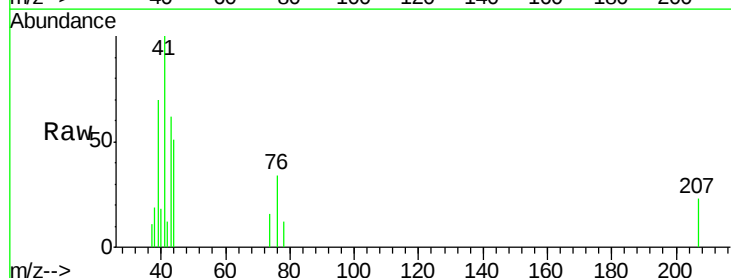
RT: 4.28 min Scan# 779

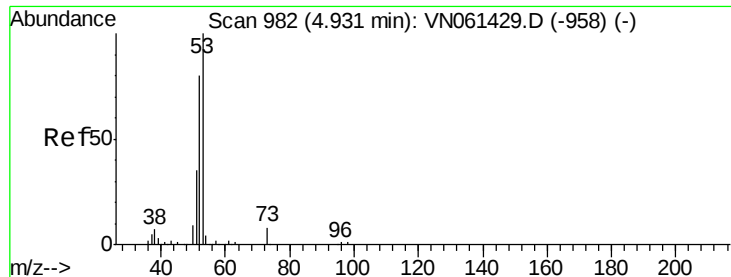
Delta R.T. 0.00 min

Lab File: VN061426.D

Acq: 18 May 2020 10:50

Tgt Ion:	41	Resp:	4195
Ion	Ratio	Lower	Upper
41	100		
39	96.3	61.2	91.8#
76	34.9	29.9	44.9





#15

Acrylonitrile

Concen: 4.468 ug/l

RT: 4.93 min Scan# 981

Delta R.T. -0.00 min

Lab File: VN061426.D

Acq: 18 May 2020 10:50

Instrument :

MSVOA_N

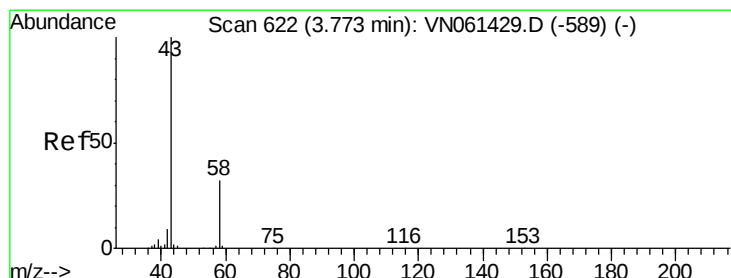
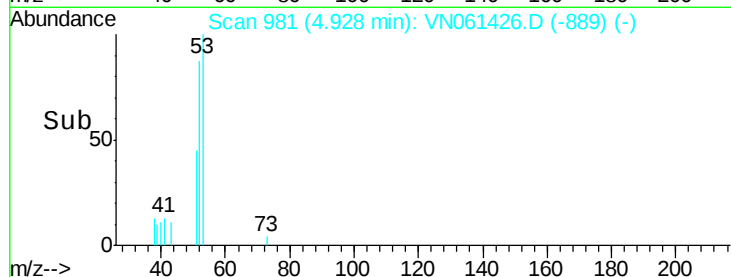
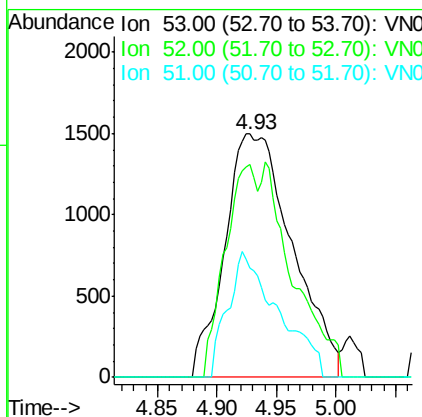
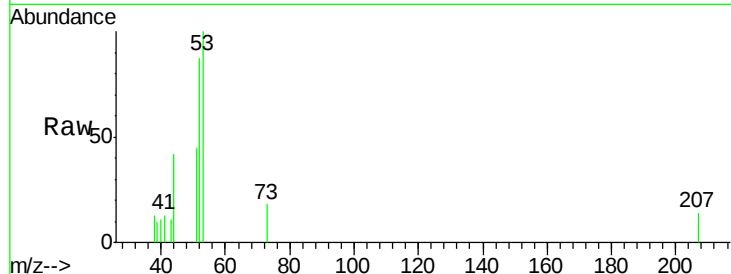
ClientSampleId :

VSTDIC001

Tot Ion:	53	Resp:	5886
Ion Ratio	Lower	Upper	
53	100		
52	41.2	64.7	97.1#
51	38.4	29.5	44.3

Manual Integrations
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#16

Acetone

Concen: 8.793 ug/l

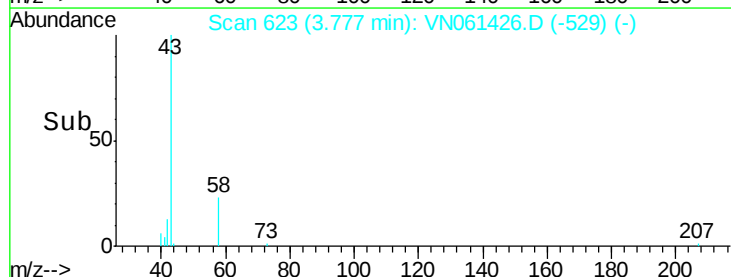
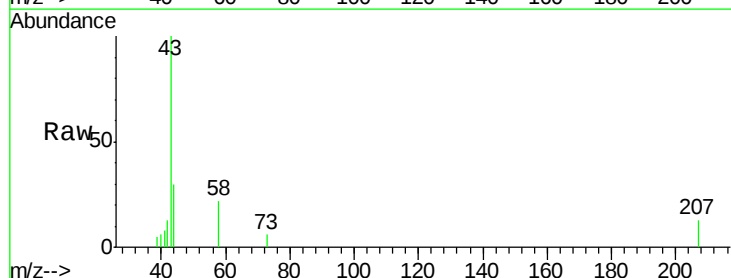
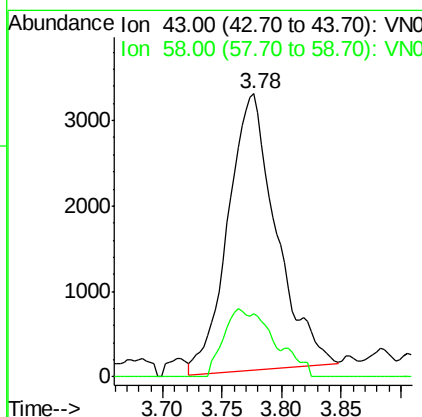
RT: 3.78 min Scan# 623

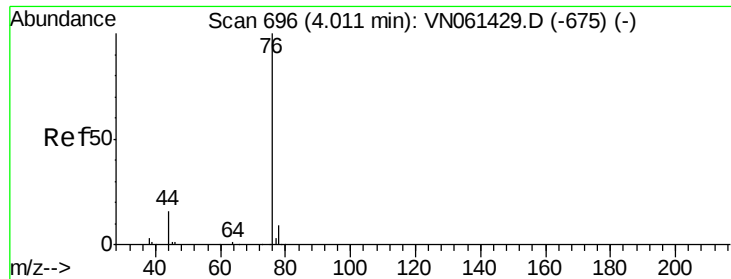
Delta R.T. 0.00 min

Lab File: VN061426.D

Acq: 18 May 2020 10:50

Tgt Ion:	43	Resp:	9077
Ion Ratio	Lower	Upper	
43	100		
58	23.3	25.6	38.4#





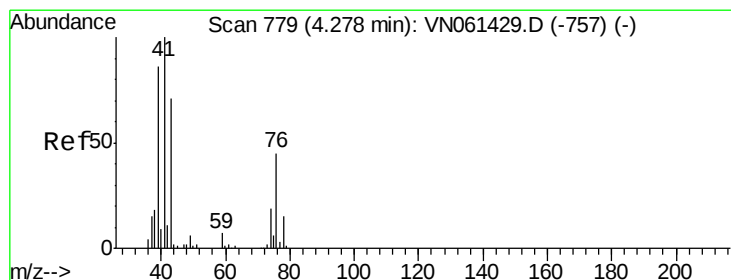
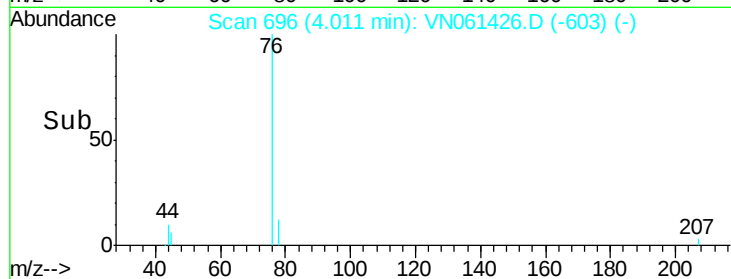
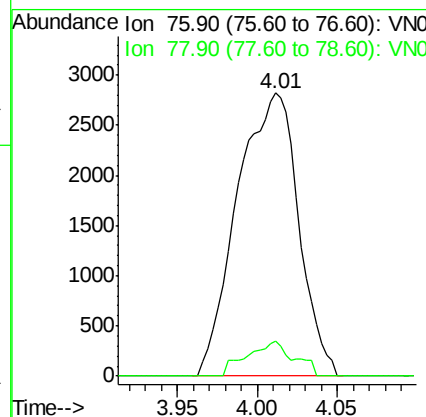
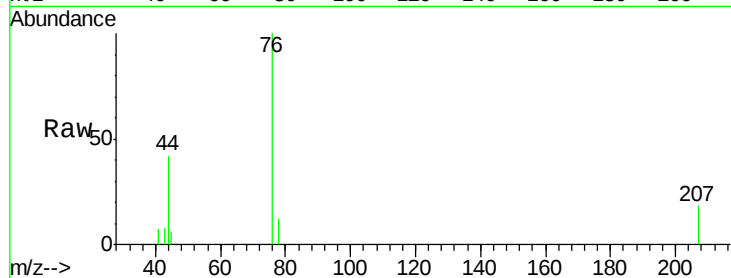
#17
Carbon Disulfide
Concen: 1.067 ug/l
RT: 4.01 min Scan# 696
Delta R.T. -0.00 min
Lab File: VN061426.D
Acq: 18 May 2020 10:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion: 76 Resp: 7420
Ion Ratio Lower Upper
76 100
78 12.3 7.4 11.0#

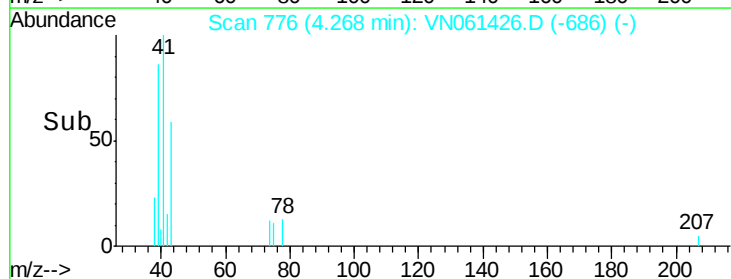
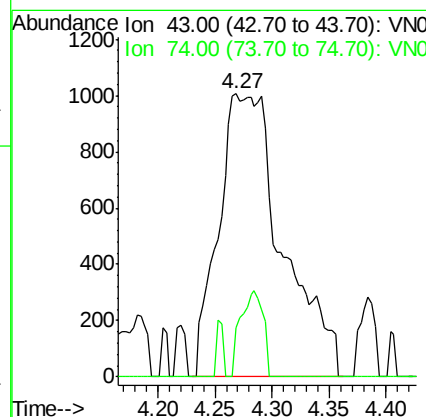
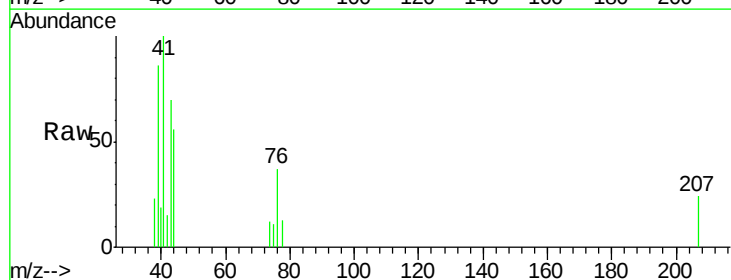
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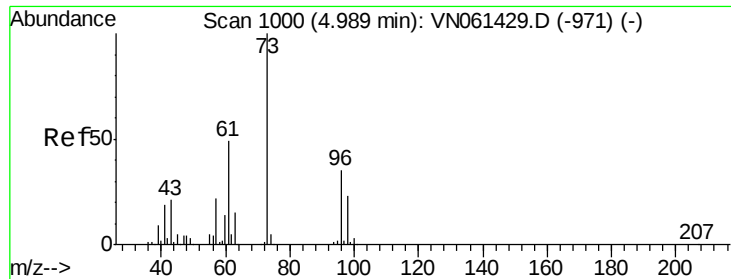
MMDadoda
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#18
Methyl Acetate
Concen: 1.300 ug/l m
RT: 4.27 min Scan# 776
Delta R.T. -0.01 min
Lab File: VN061426.D
Acq: 18 May 2020 10:50

Tgt Ion: 43 Resp: 3927
Ion Ratio Lower Upper
43 100
74 1.9 20.8 31.2#





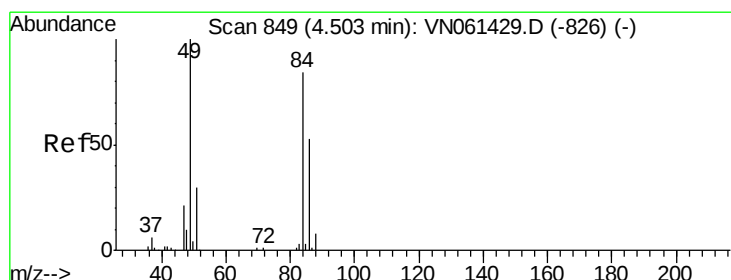
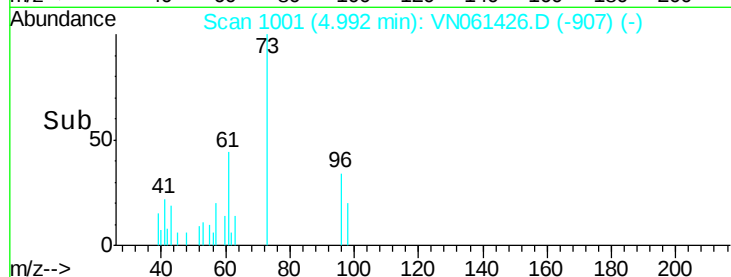
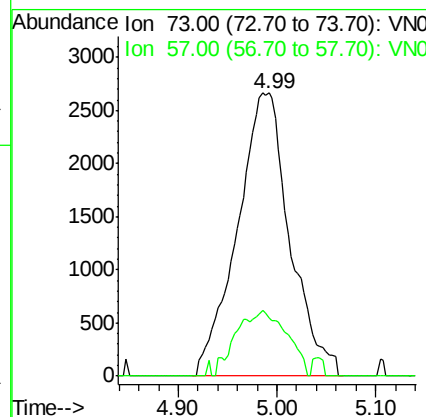
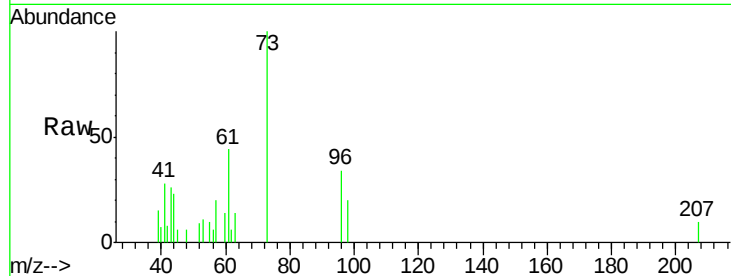
#19
Methvl tert-butvl Ether
Concen: 0.934 ug/l
RT: 4.99 min Scan# 1001
Delta R.T. 0.00 min
Lab File: VN061426.D
Acq: 18 May 2020 10:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion: 73 Resp: 9873
Ion Ratio Lower Upper
73 100
57 20.4 17.4 26.0

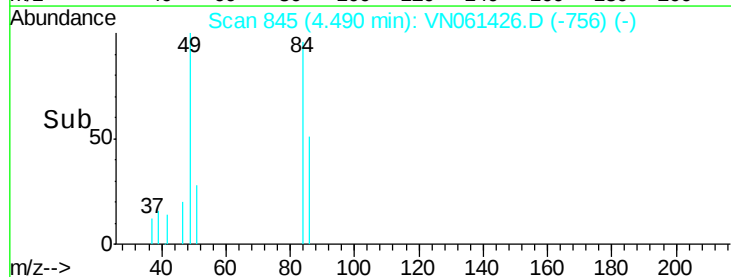
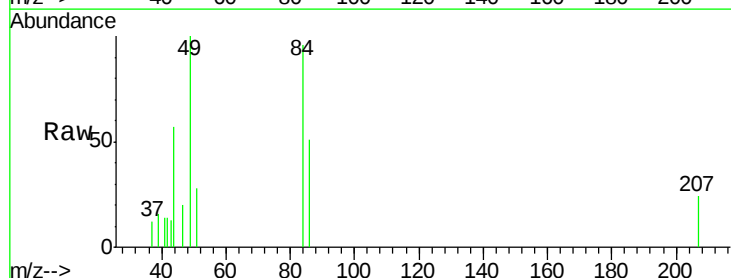
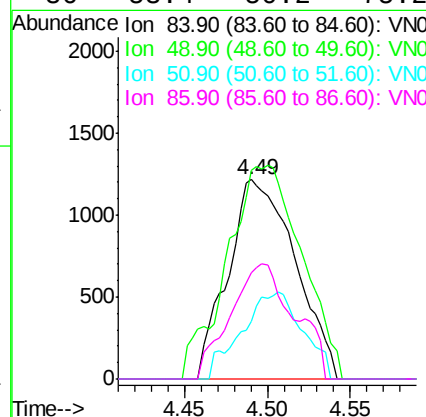
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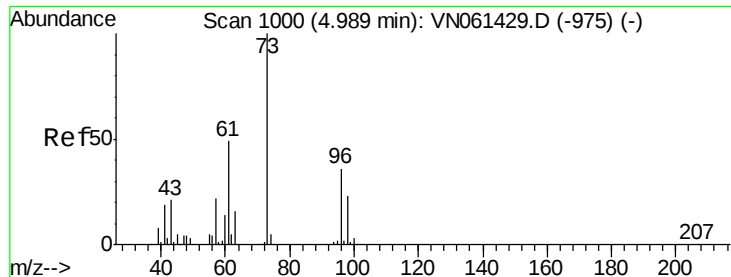
MMDadoda
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#20
Methylene Chloride
Concen: 1.054 ug/l
RT: 4.49 min Scan# 845
Delta R.T. -0.01 min
Lab File: VN061426.D
Acq: 18 May 2020 10:50

Tgt Ion: 84 Resp: 3433
Ion Ratio Lower Upper
84 100
49 104.5 95.3 142.9
51 29.1 29.0 43.6
86 53.4 50.2 75.2





#21

trans-1,2-Dichloroethene

Concen: 0.911 ug/l

RT: 4.98 min Scan# 998

Delta R.T. -0.01 min

Lab File: VN061426.D

Acq: 18 May 2020 10:50

Instrument :

MSVOA_N

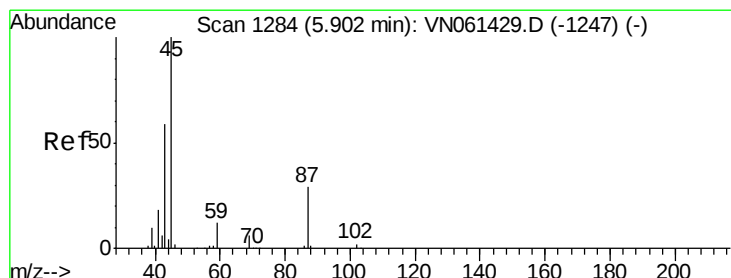
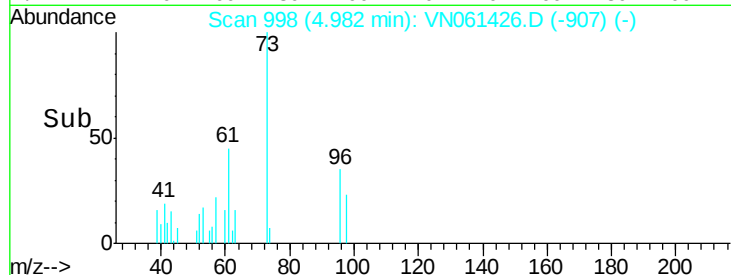
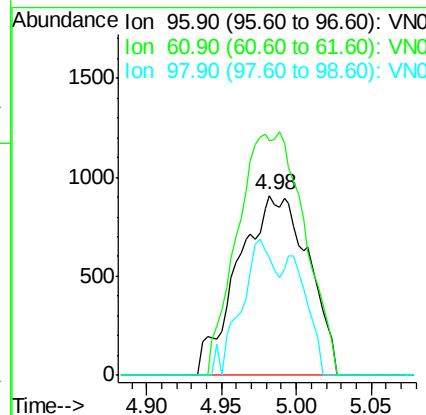
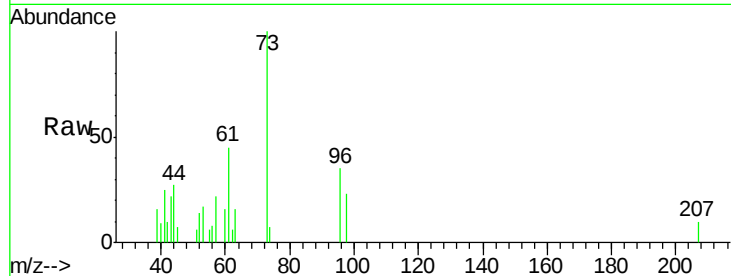
ClientSampleId :

VSTDIC001

Tot Ion:	96	Resp:	2977
Ion	Ratio	Lower	Upper
96	100		
61	130.5	109.8	164.6
98	65.6	52.4	78.6

Manual Integrations
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#22

Diisopropyl ether

Concen: 0.865 ug/l

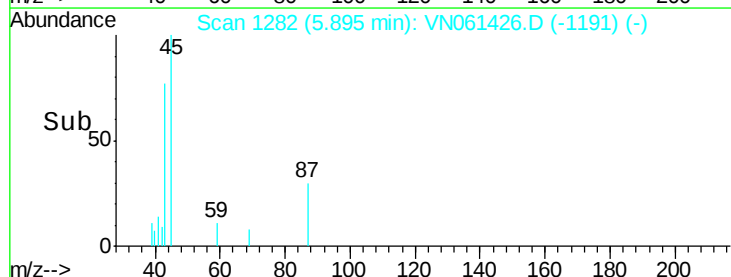
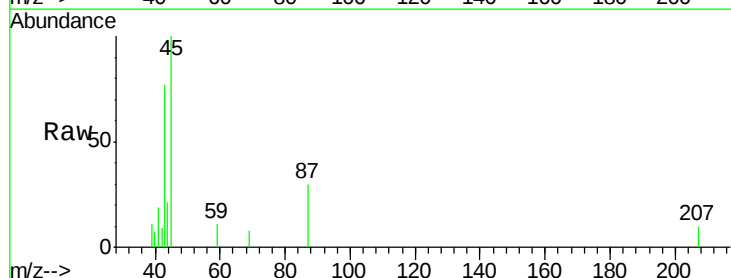
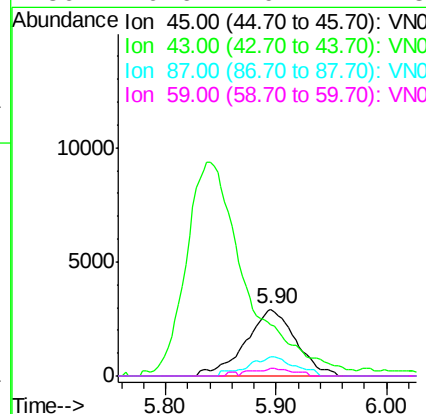
RT: 5.90 min Scan# 1282

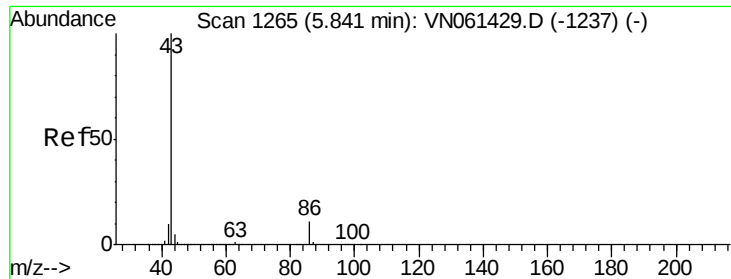
Delta R.T. -0.01 min

Lab File: VN061426.D

Acq: 18 May 2020 10:50

Tgt Ion:	45	Resp:	9211
Ion	Ratio	Lower	Upper
45	100		
43	64.4	47.9	71.9
87	29.5	24.0	36.0
59	10.6	9.7	14.5





#23

Vinyl Acetate

Concen: 4.126 ug/l

RT: 5.84 min Scan# 1265

Delta R.T. -0.00 min

Lab File: VN061426.D

Acq: 18 May 2020 10:50

Instrument :

MSVOA_N

ClientSampled :

VSTDIC001

Tot Ion: 43 Resp: 35777

Ion Ratio Lower Upper

43 100

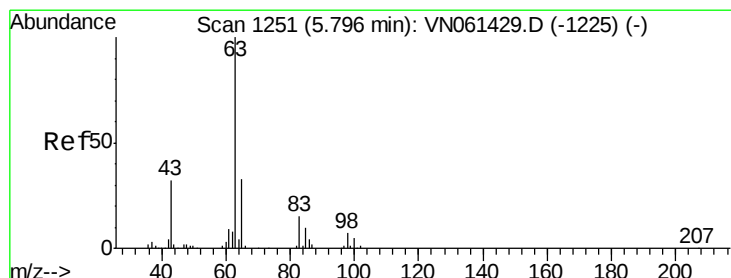
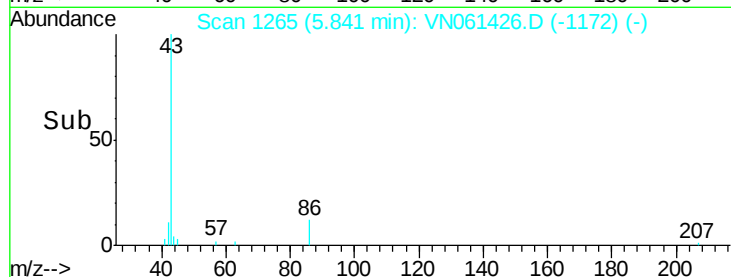
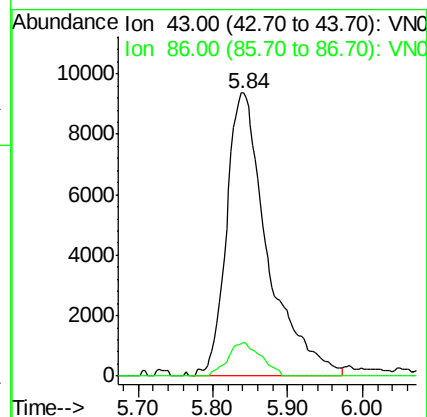
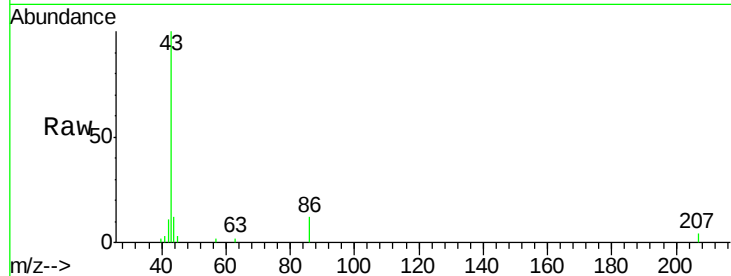
86 12.0 9.1 13.7

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 0.870 ug/l

RT: 5.79 min Scan# 1249

Delta R.T. -0.01 min

Lab File: VN061426.D

Acq: 18 May 2020 10:50

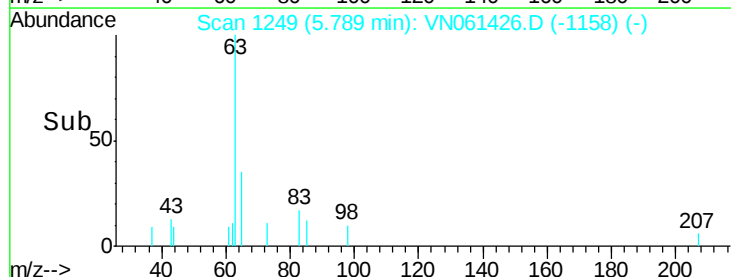
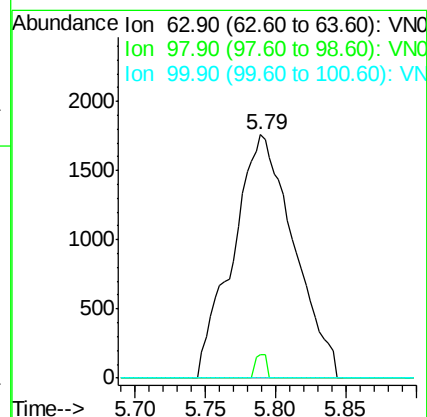
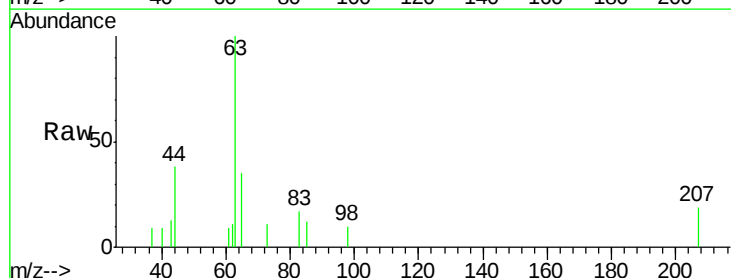
Tgt Ion: 63 Resp: 5296

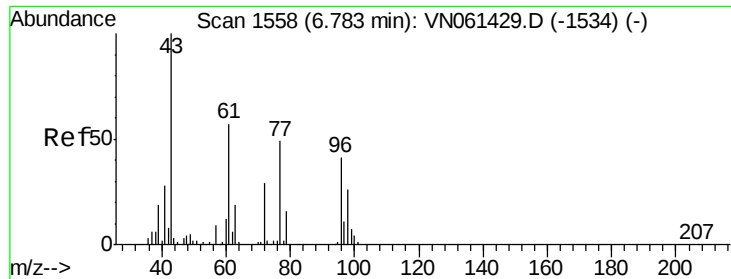
Ion Ratio Lower Upper

63 100

98 9.8 3.5 10.5

100 0.0 2.3 6.9#





#25

2-Butanone

Concen: 5.354 ug/l

RT: 6.79 min Scan# 1560

Delta R.T. 0.01 min

Lab File: VN061426.D

Acq: 18 May 2020 10:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion: 43 Resp: 9149

Ion Ratio Lower Upper

43 100

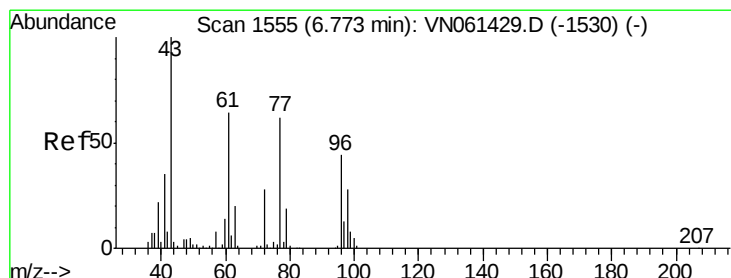
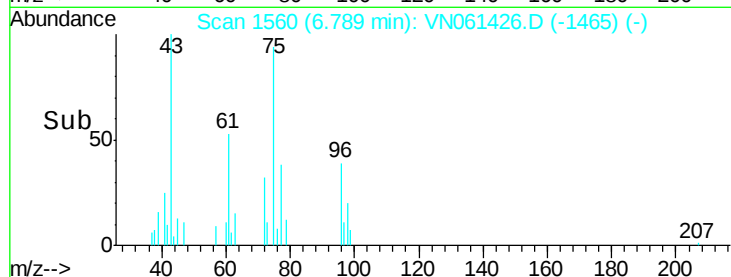
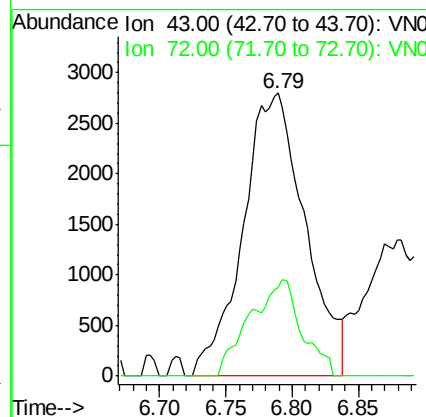
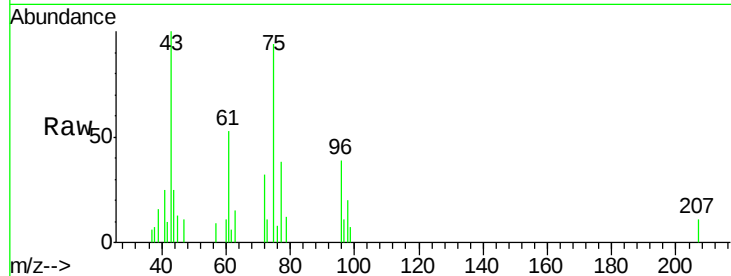
72 31.6 23.0 34.6

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 1.069 ug/l

RT: 6.77 min Scan# 1553

Delta R.T. -0.01 min

Lab File: VN061426.D

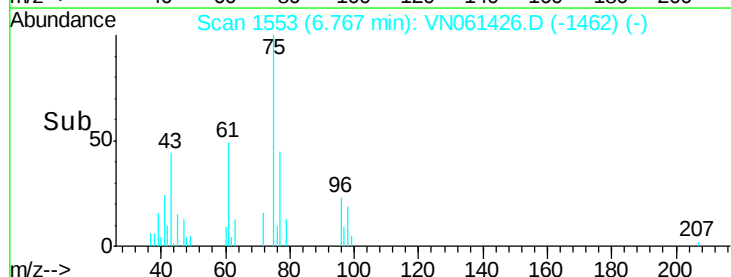
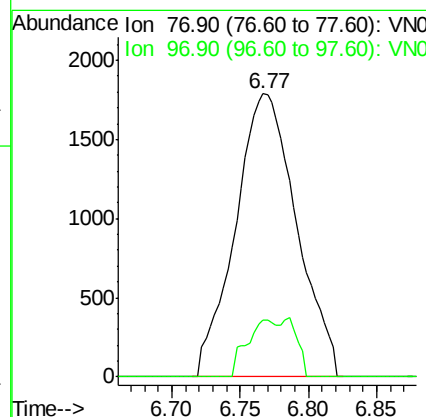
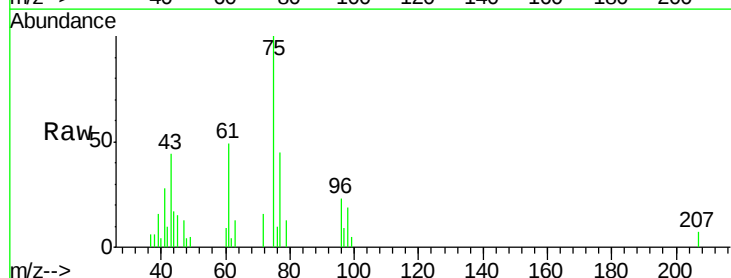
Acq: 18 May 2020 10:50

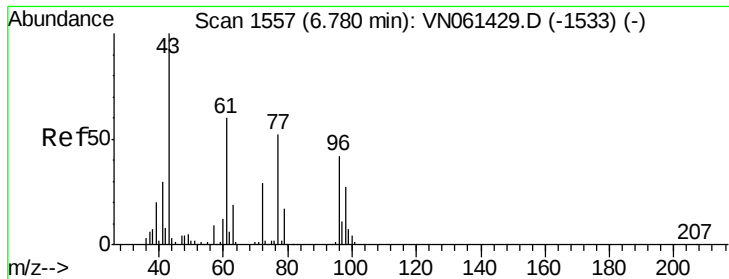
Tgt Ion: 77 Resp: 5571

Ion Ratio Lower Upper

77 100

97 9.6 10.9 32.9#





#27

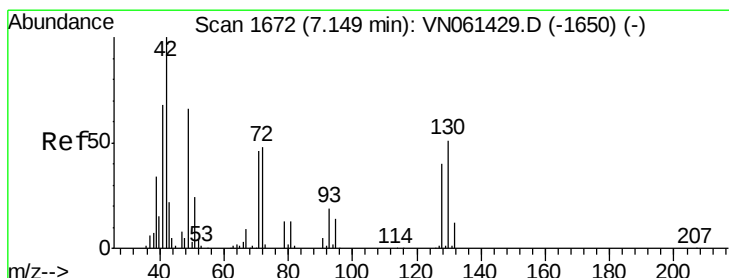
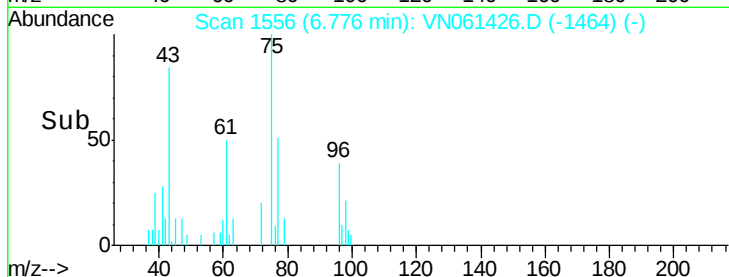
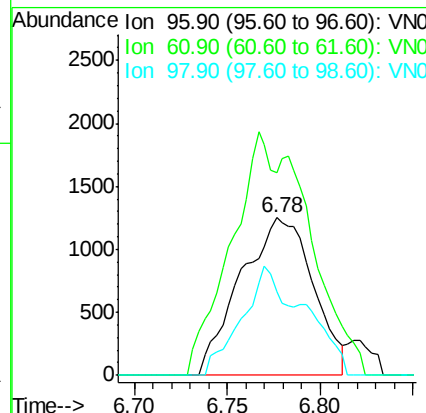
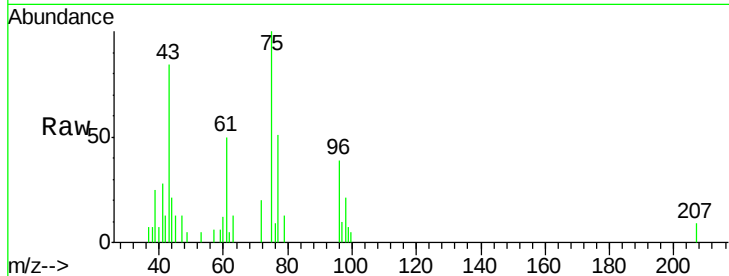
cis-1,2-Dichloroethene
Concen: 0.900 ug/l
RT: 6.78 min Scan# 1556
Delta R.T. -0.00 min
Lab File: VN061426.D
Acq: 18 May 2020 10:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
96	100		
61	93.2	0.0	294.2
98	41.9	0.0	128.2

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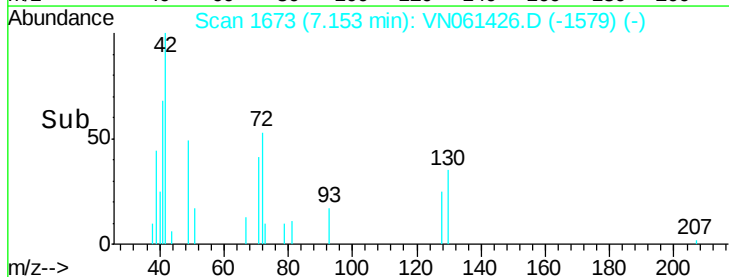
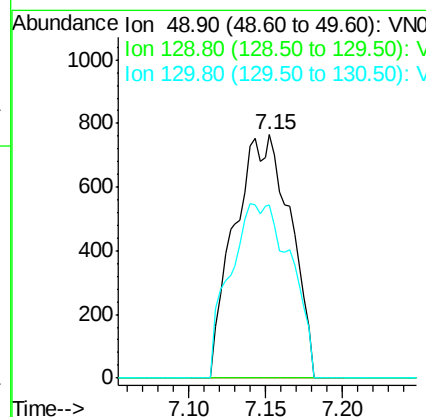
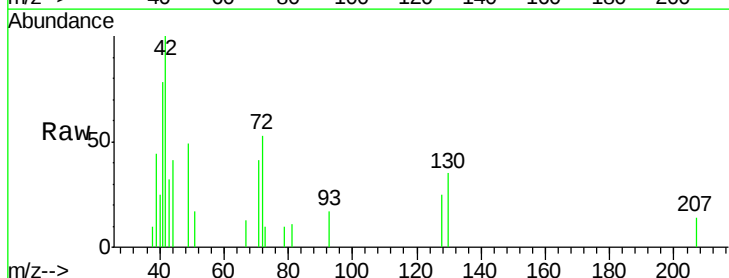
MMDadoda
5/19/2020 4:25:22 PM

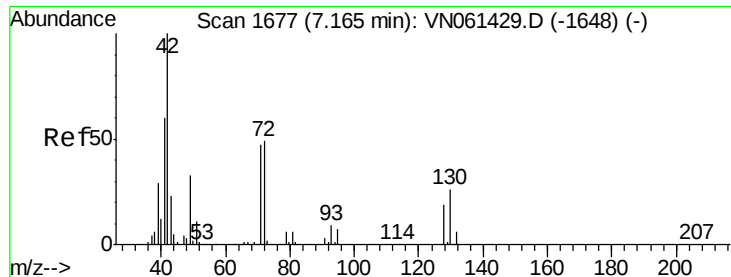


#28

Bromochloromethane
Concen: 0.725 ug/l m
RT: 7.15 min Scan# 1673
Delta R.T. 0.00 min
Lab File: VN061426.D
Acq: 18 May 2020 10:50

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	4.6
130	39.9	62.2	93.2#





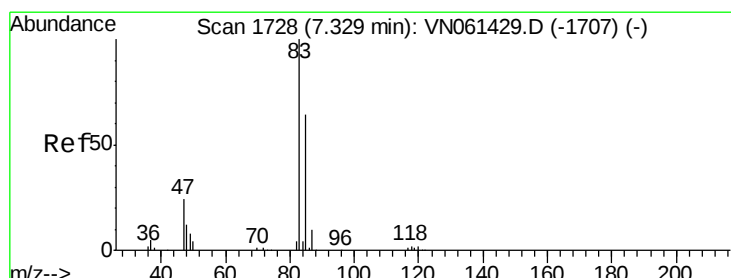
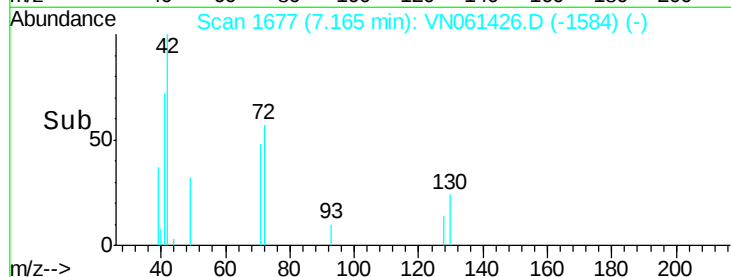
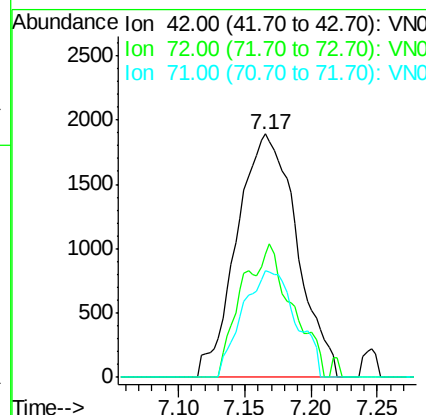
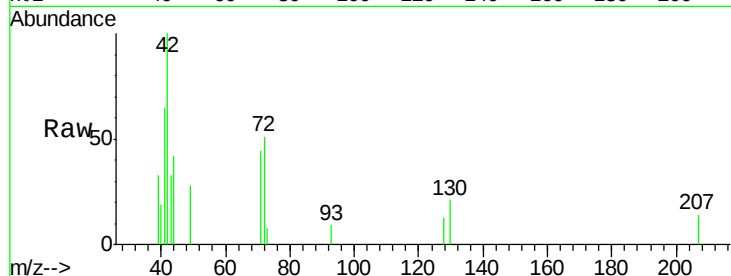
#29
Tetrahydrofuran
Concen: 5.129 ug/l
RT: 7.17 min Scan# 1677
Delta R.T. -0.00 min
Lab File: VN061426.D
Acq: 18 May 2020 10:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
42	100		
72	26.2	39.0	58.6#
71	38.9	36.9	55.3

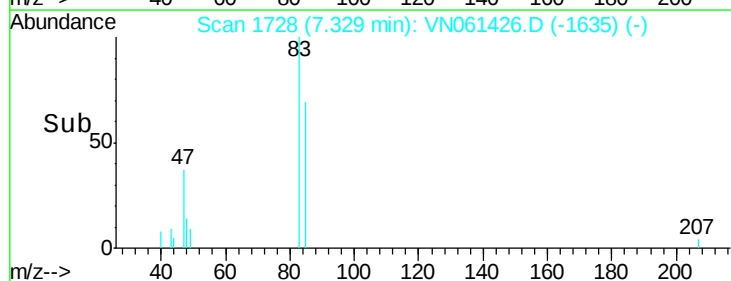
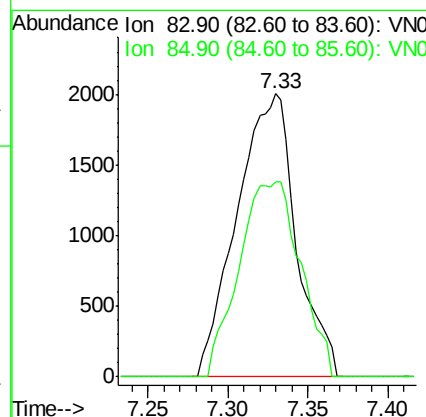
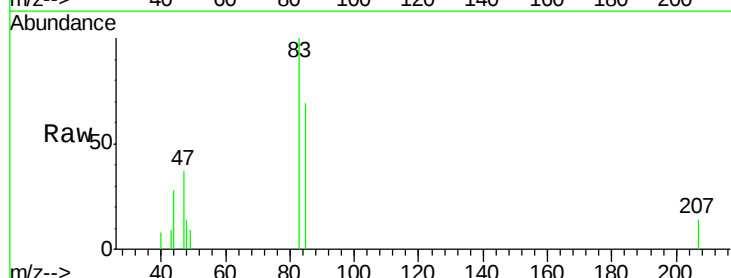
Manual Integrations
APPROVED

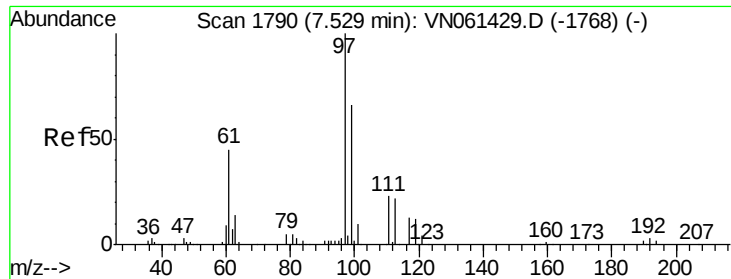
MMDadoda
5/19/2020 4:25:22 PM



#30
Chloroform
Concen: 0.797 ug/l
RT: 7.33 min Scan# 1728
Delta R.T. -0.00 min
Lab File: VN061426.D
Acq: 18 May 2020 10:50

Tgt Ion	Ratio	Lower	Upper
83	100		
85	68.8	51.0	76.4





#32

1,1,1-Trichloroethane

Concen: 0.884 ug/l

RT: 7.52 min Scan# 1787

Delta R.T. -0.01 min

Lab File: VN061426.D

Acq: 18 May 2020 10:50

Instrument :

MSVOA_N

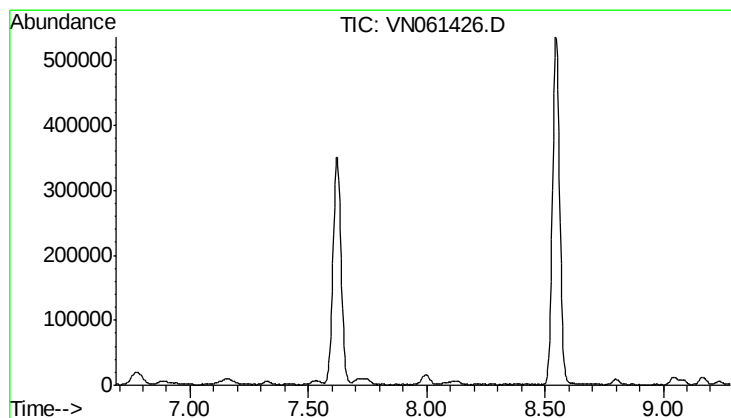
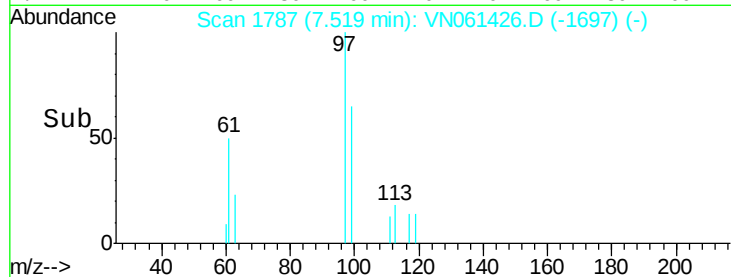
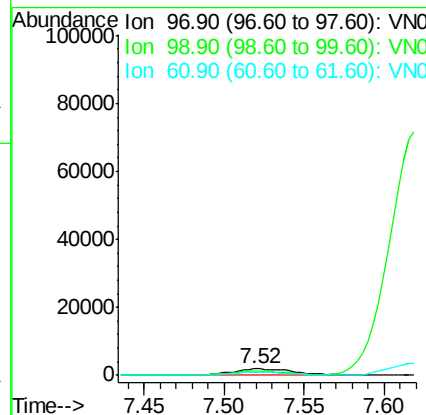
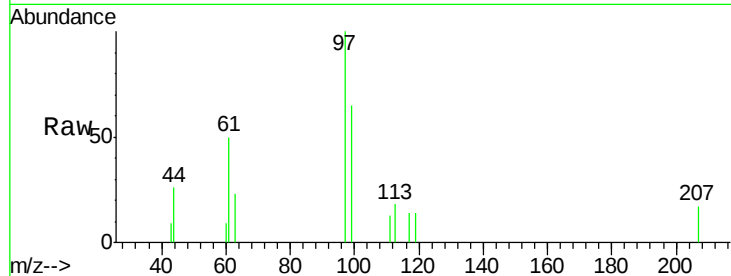
ClientSampleId :

VSTDIC001

Tot Ion	Ratio	Lower	Upper
97	100		
99	0.0	51.5	77.3#
61	45.3	35.8	53.6

Manual Integrations
APPROVED

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5/19/2020 4:25:22 PM



#33

1,2-Dichloroethane-d4

Concen: 0.000 ug/l

Expected RT: 7.99 min

Lab File: VN061426.D

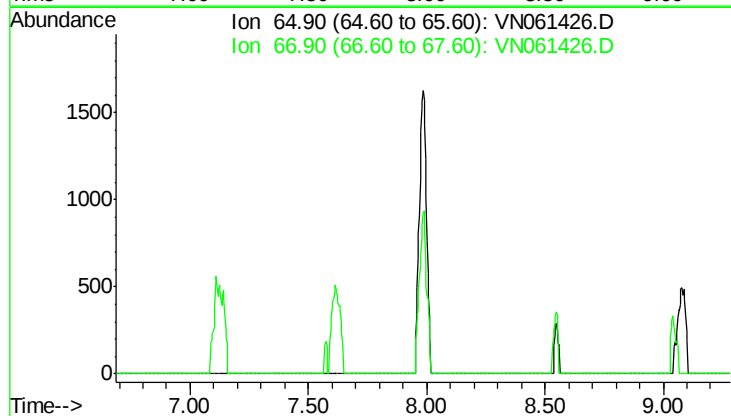
Acq: 18 May 2020 10:50

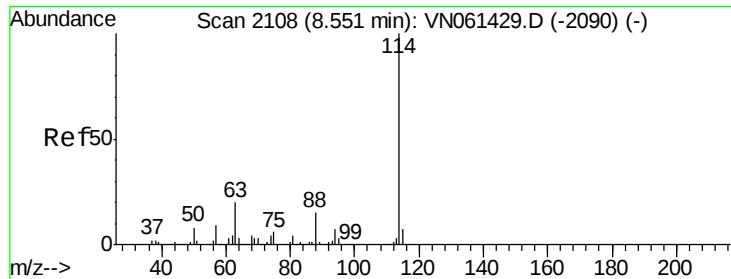
Tgt Ion: 65

Sig Exp Ratio

65 100

67 50.7





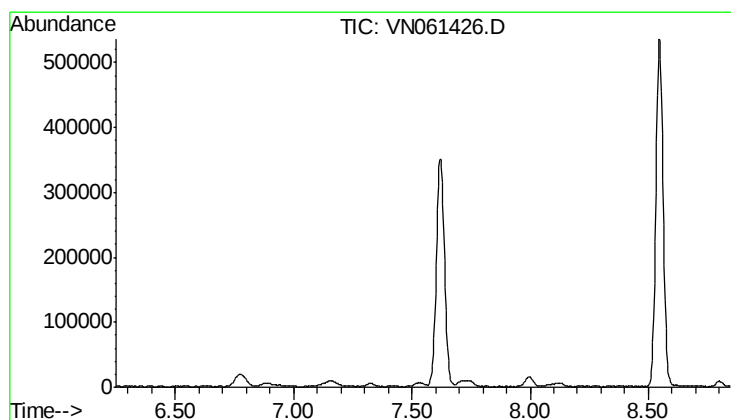
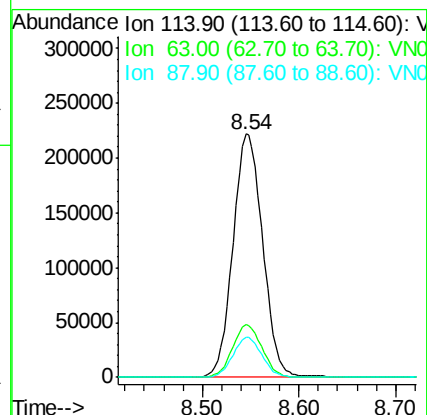
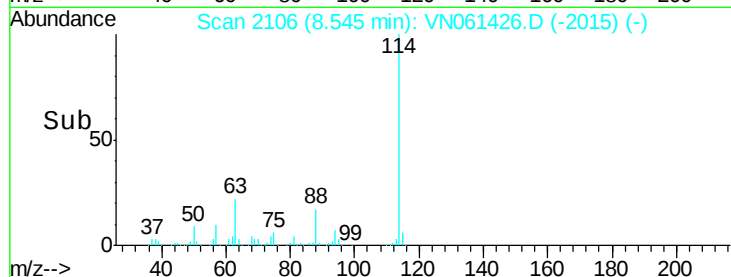
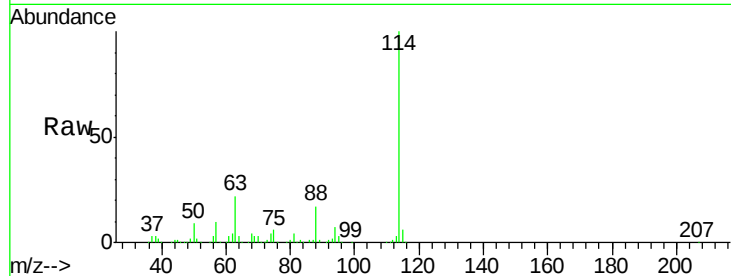
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.54 min Scan# 2106
 Delta R.T. -0.01 min
 Lab File: VN061426.D
 Acq: 18 May 2020 10:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Resp Lower	Upper
114	100		
63	21.7	0.0	40.8
88	16.6	0.0	30.8

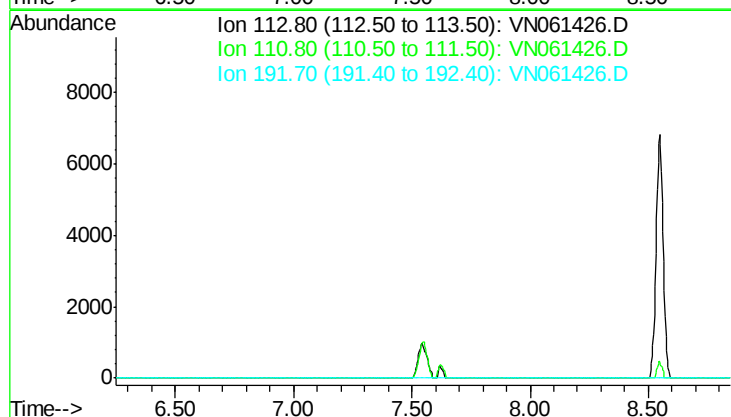
Manual Integrations
 APPROVED

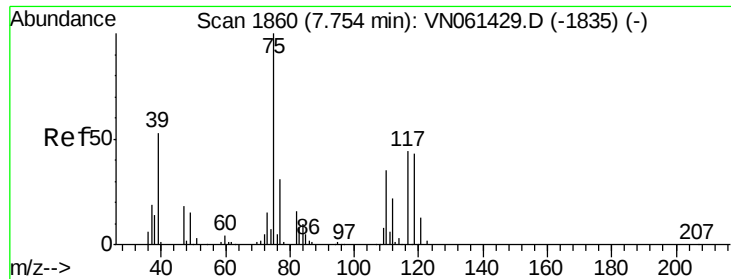
MMDadoda
 5/19/2020 4:25:22 PM



#35
 Dibromofluoromethane
 Concen: 0.000 ug/l
 Expected RT: 7.55 min
 Lab File: VN061426.D
 Acq: 18 May 2020 10:50

Tgt Ion	Exp Ratio
113	100
111	100.8
192	16.5





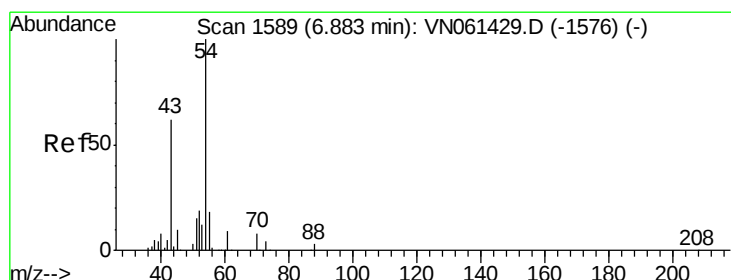
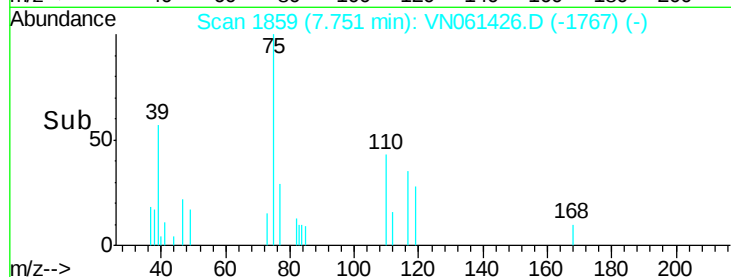
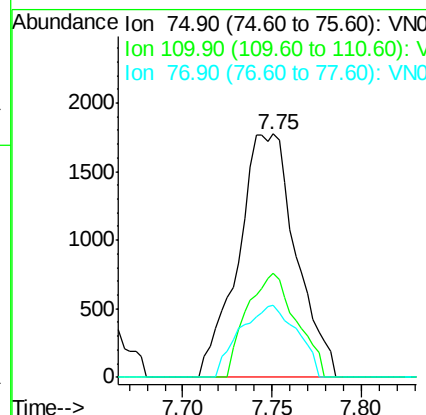
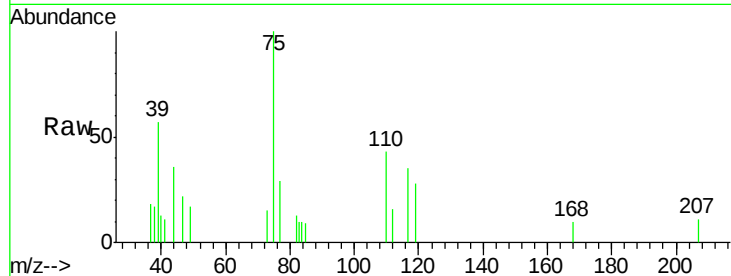
#36
 1,1-Dichloropropene
 Concen: 0.846 ug/l
 RT: 7.75 min Scan# 1859
 Delta R.T. -0.00 min
 Lab File: VN061426.D
 Acq: 18 May 2020 10:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
75	100		
110	36.6	17.3	51.9
77	29.3	24.9	37.3

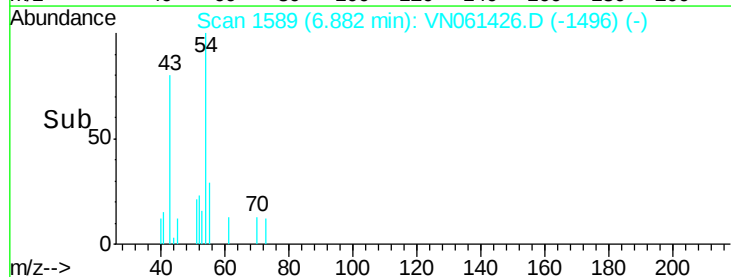
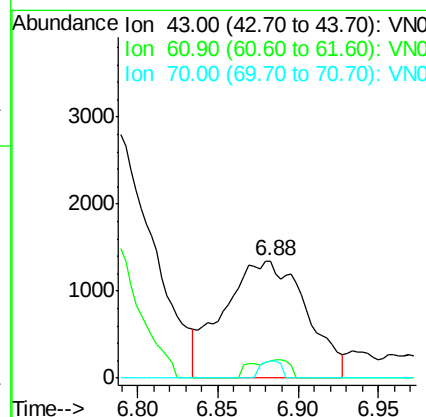
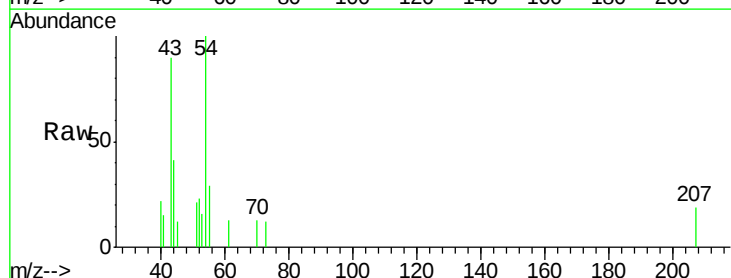
Manual Integrations
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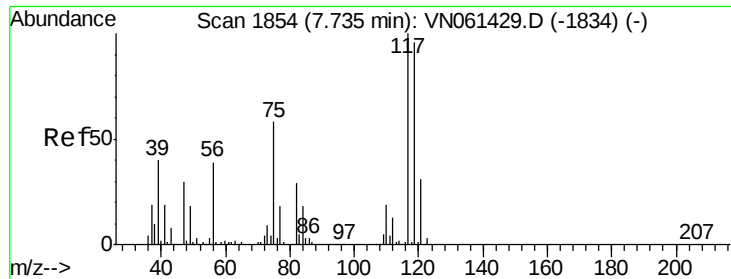
MMDadoda
 5/19/2020 4:25:22 PM



#37
 Ethyl Acetate
 Concen: 1.223 ug/l m
 RT: 6.88 min Scan# 1589
 Delta R.T. -0.00 min
 Lab File: VN061426.D
 Acq: 18 May 2020 10:50

Tgt Ion	Ratio	Lower	Upper
43	100		
61	7.2	11.7	17.5#
70	3.6	9.2	13.8#





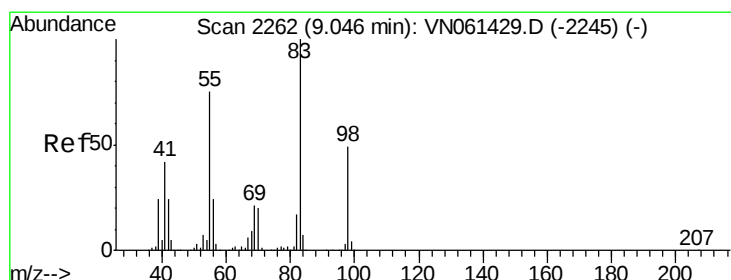
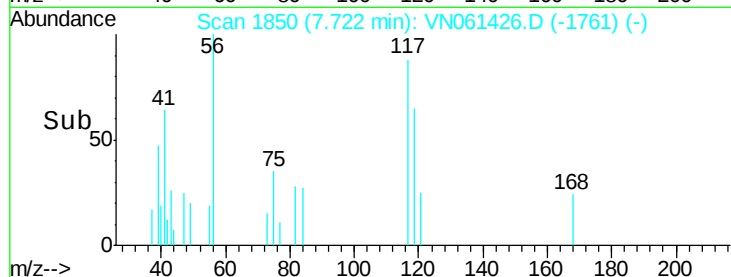
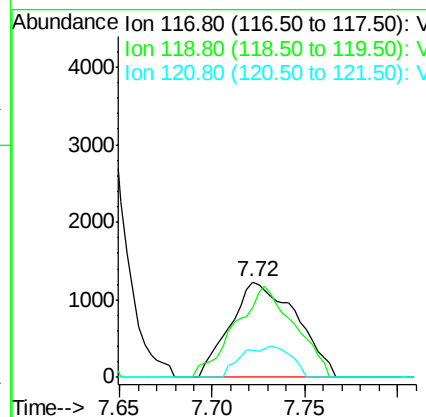
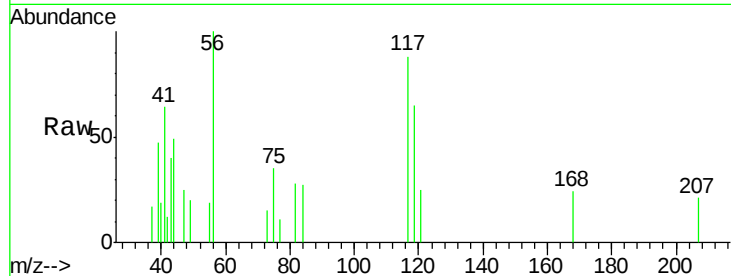
#38
Carbon Tetrachloride
Concen: 0.754 ug/l
RT: 7.72 min Scan# 1850
Delta R.T. -0.01 min
Lab File: VN061426.D
Acq: 18 May 2020 10:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
117	100		
119	73.5	77.0	115.6#
121	27.9	24.7	37.1

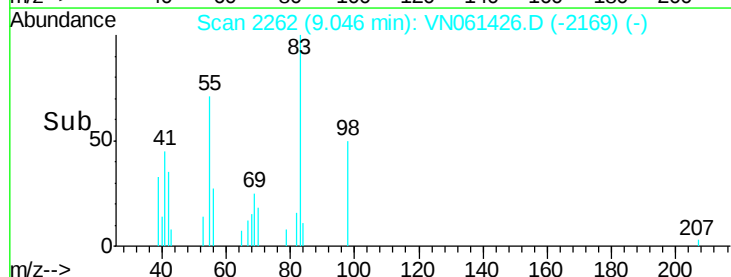
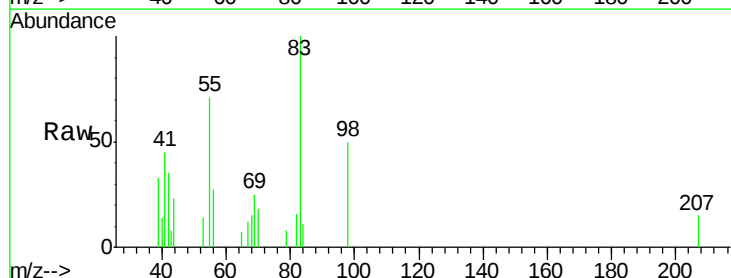
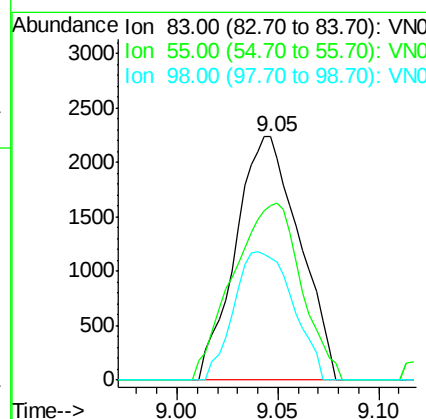
Manual Integrations
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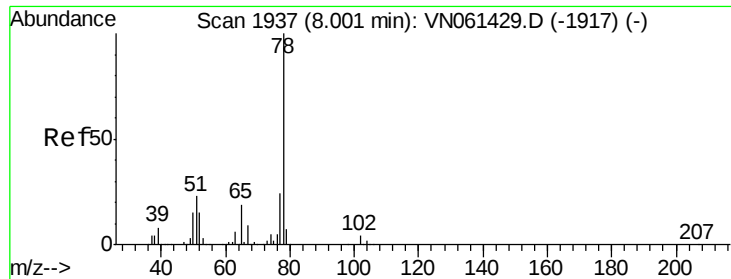
MMDadoda
5/19/2020 4:25:22 PM



#39
Methylcyclohexane
Concen: 0.873 ug/l
RT: 9.05 min Scan# 2262
Delta R.T. -0.00 min
Lab File: VN061426.D
Acq: 18 May 2020 10:50

Tgt Ion	Ratio	Lower	Upper
83	100		
55	71.5	59.7	89.5
98	50.2	38.9	58.3





#40

Benzene

Concen: 0.867 ug/l

RT: 8.00 min Scan# 1936

Delta R.T. -0.00 min

Lab File: VN061426.D

Acq: 18 May 2020 10:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion: 78 Resp: 12054

Ion Ratio Lower Upper

78 100

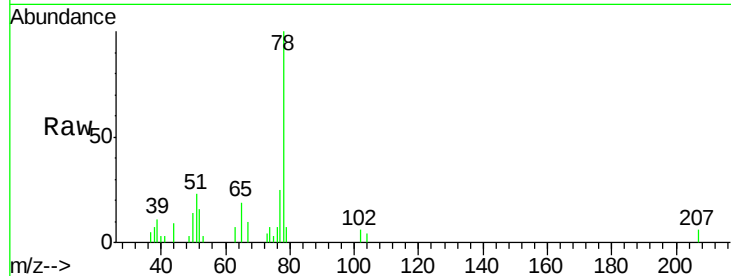
77 25.4 19.1 28.7

Manual Integrations

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MMDadoda

5/19/2020 4:25:22 PM



Abundance Ion 78.00 (77.70 to 78.70): VN061429.D (-1917) (-)

Ion 77.00 (76.70 to 77.70): VN061429.D (-1917) (-)

6000

5000

4000

3000

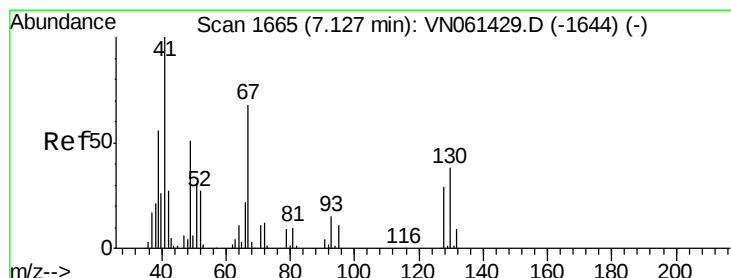
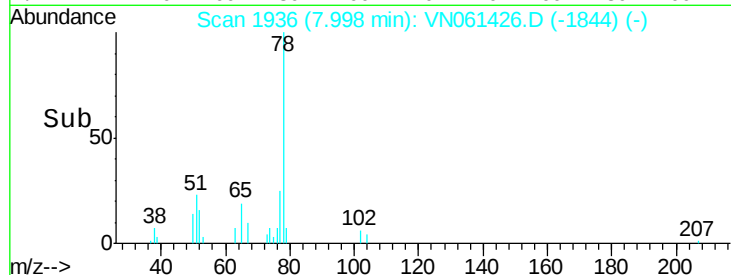
2000

1000

0

7.95 8.00 8.05

Time-->



#41

Methacrylonitrile

Concen: 0.986 ug/l m

RT: 7.12 min Scan# 1664

Delta R.T. -0.00 min

Lab File: VN061426.D

Acq: 18 May 2020 10:50

Tgt Ion: 41 Resp: 1803

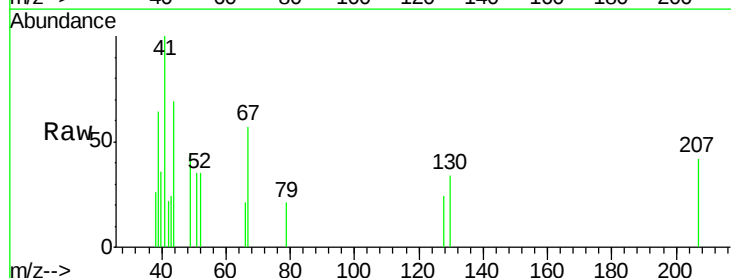
Ion Ratio Lower Upper

41 100

39 78.2 48.3 72.5#

67 0.0 74.2 111.4#

52 23.8 30.8 46.2#



Abundance Ion 41.00 (40.70 to 41.70): VN061429.D (-1644) (-)

Ion 39.00 (38.70 to 39.70): VN061429.D (-1644) (-)

Ion 67.00 (66.70 to 67.70): VN061429.D (-1644) (-)

Ion 52.00 (51.70 to 52.70): VN061429.D (-1644) (-)

1500

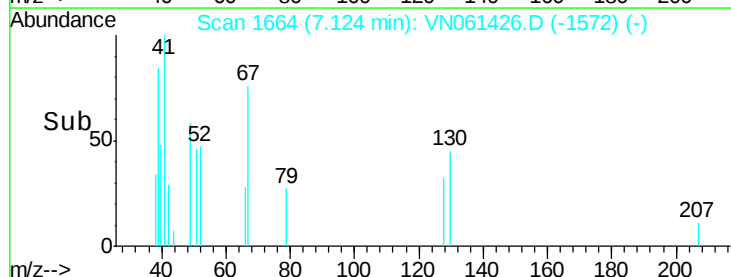
1000

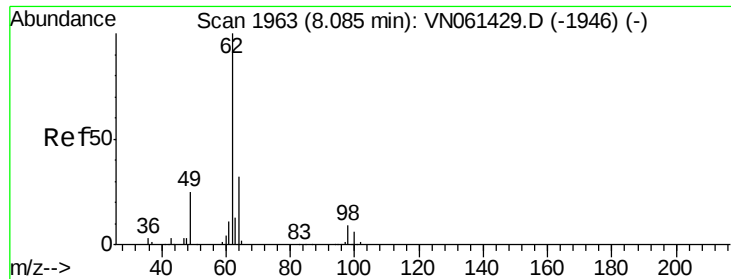
500

0

7.05 7.10 7.15

Time-->





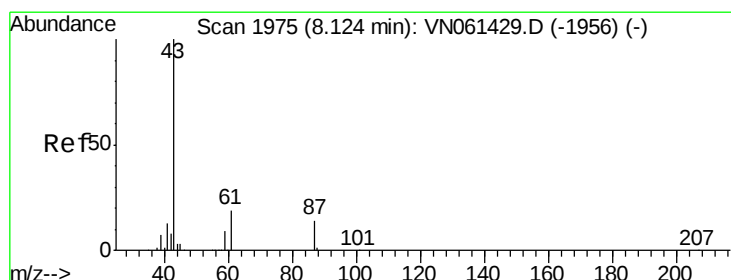
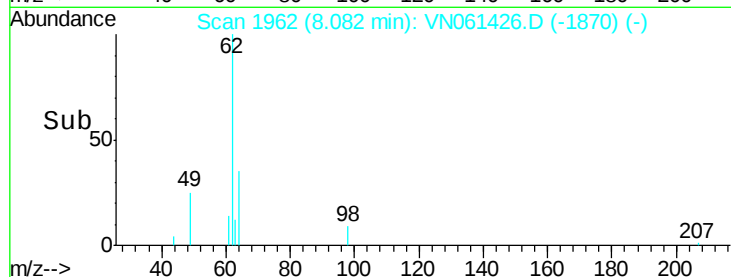
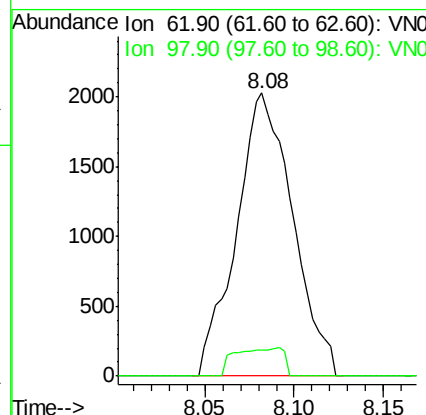
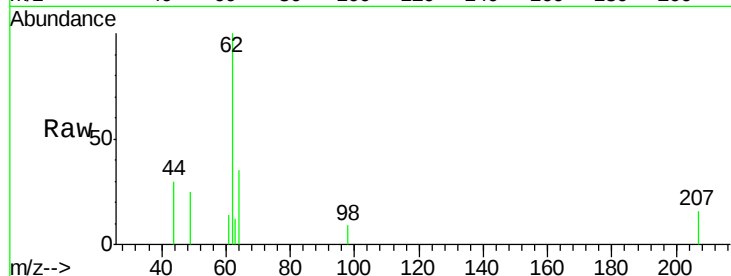
#42
 1,2-Dichloroethane
 Concen: 0.891 ug/l
 RT: 8.08 min Scan# 1962
 Delta R.T. -0.00 min
 Lab File: VN061426.D
 Acq: 18 May 2020 10:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Resp	Lower	Upper
62	100	4455		
98	8.6	0.0	18.4	

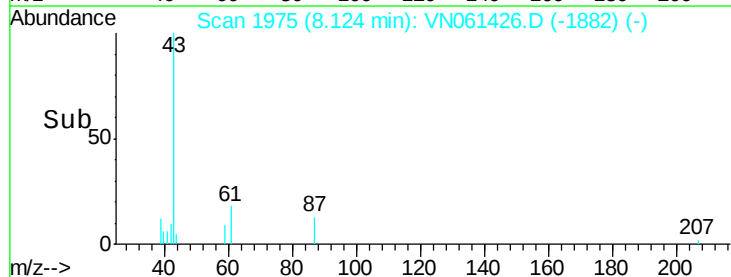
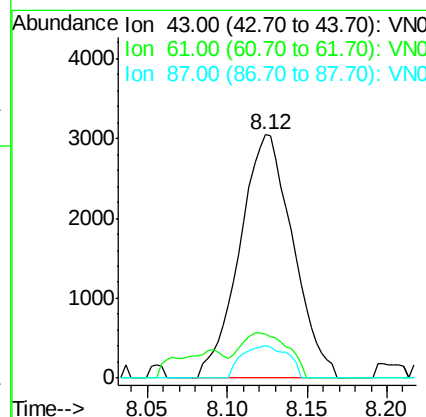
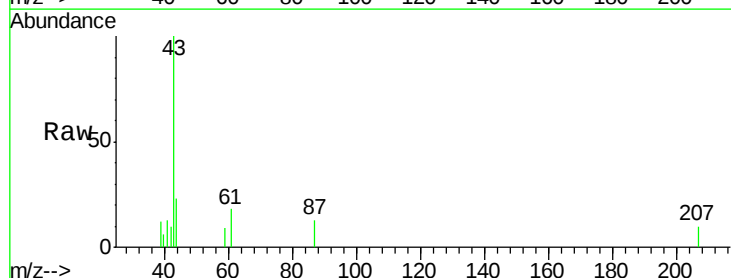
Manual Integrations
 APPROVED

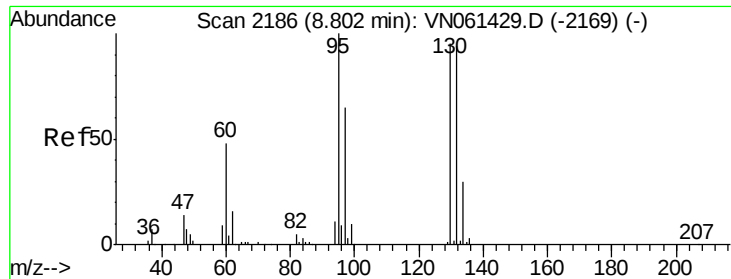
MMDadoda
 5/19/2020 4:25:22 PM



#43
 Isopropyl Acetate
 Concen: 0.918 ug/l
 RT: 8.12 min Scan# 1975
 Delta R.T. -0.00 min
 Lab File: VN061426.D
 Acq: 18 May 2020 10:50

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	6956		
61	16.7	23.0	34.4#	
87	11.4	11.6	17.4#	





#44

Trichloroethene

Concen: 0.829 ug/l

RT: 8.80 min Scan# 2186

Delta R.T. -0.00 min

Lab File: VN061426.D

Acq: 18 May 2020 10:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion:130 Resp: 2980

Ion Ratio Lower Upper

130 100

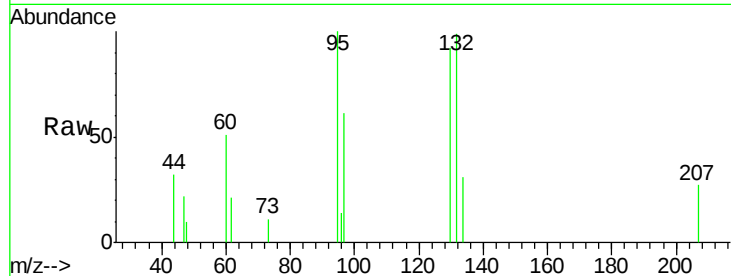
95 108.6 0.0 209.8

Manual Integrations

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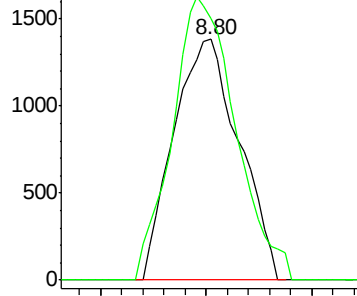
MMDadoda

5/19/2020 4:25:22 PM

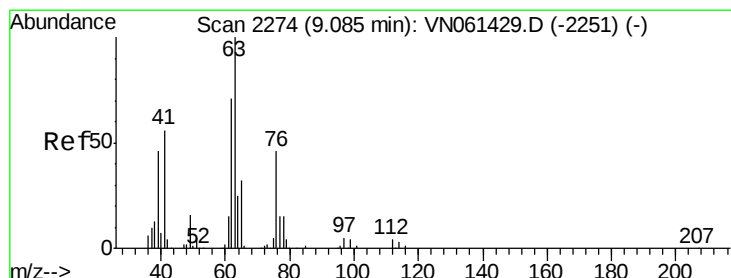
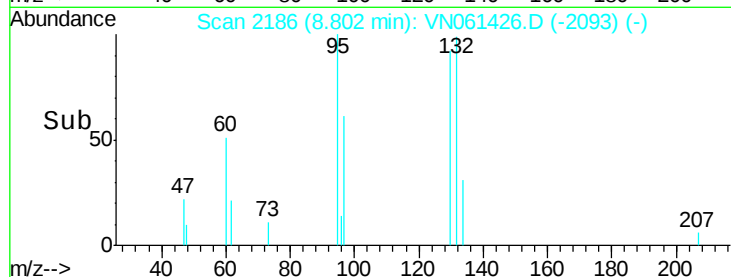


Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VN



Time-->



#45

1,2-Dichloropropane

Concen: 0.808 ug/l

RT: 9.08 min Scan# 2274

Delta R.T. -0.00 min

Lab File: VN061426.D

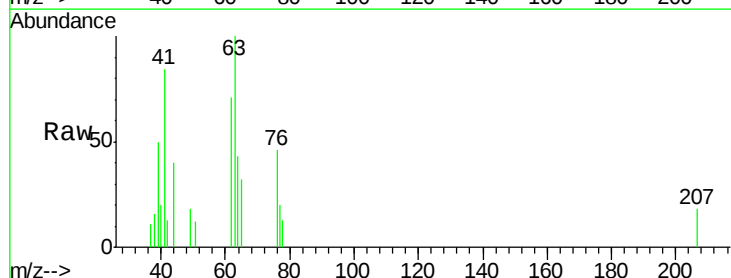
Acq: 18 May 2020 10:50

Tgt Ion: 63 Resp: 2832

Ion Ratio Lower Upper

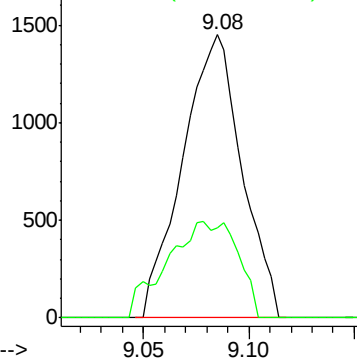
63 100

65 31.6 25.2 37.8

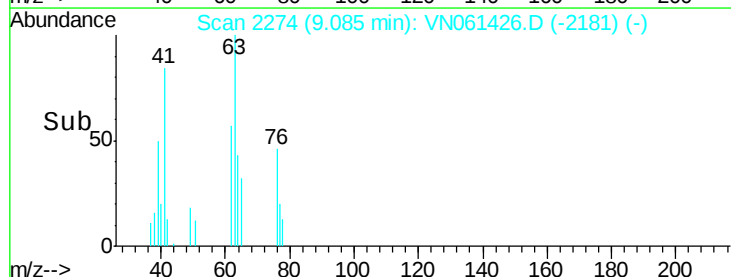


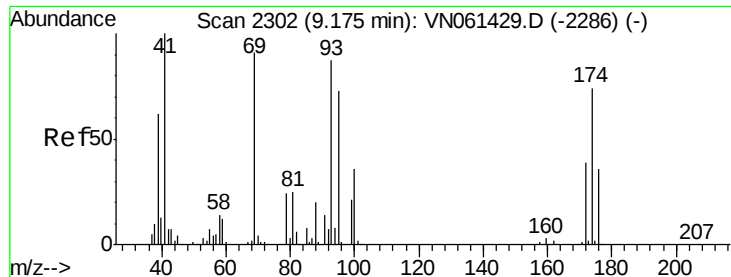
Abundance Ion 62.90 (62.60 to 63.60): VN

Ion 64.90 (64.60 to 65.60): VN



Time-->





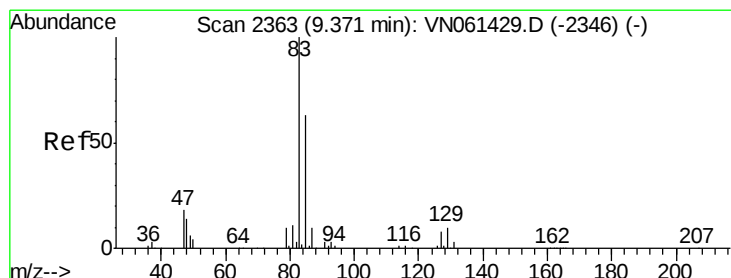
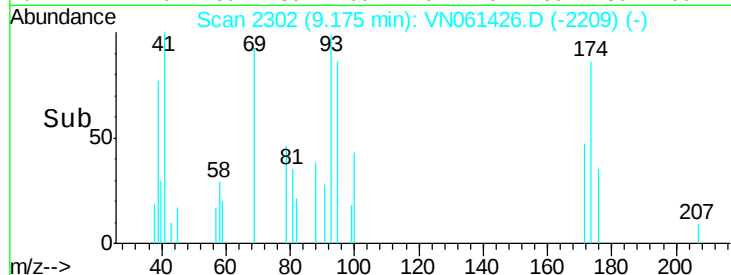
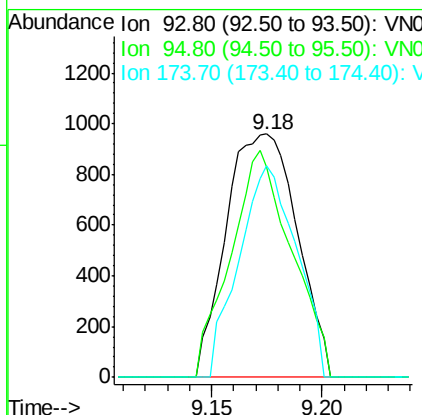
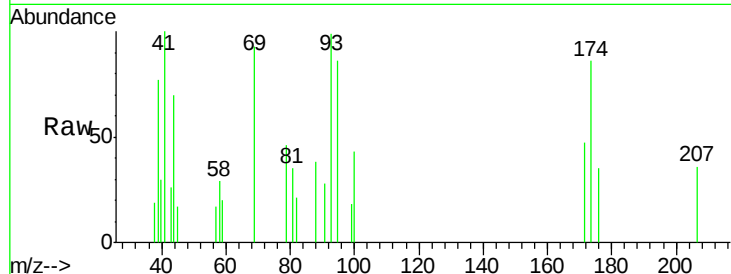
#46
Dibromomethane
Concen: 0.911 ug/l
RT: 9.18 min Scan# 2302
Delta R.T. -0.00 min
Lab File: VN061426.D
Acq: 18 May 2020 10:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion: 93 Resp: 2146
Ion Ratio Lower Upper
93 100
95 80.1 65.6 98.4
174 70.4 68.0 102.0

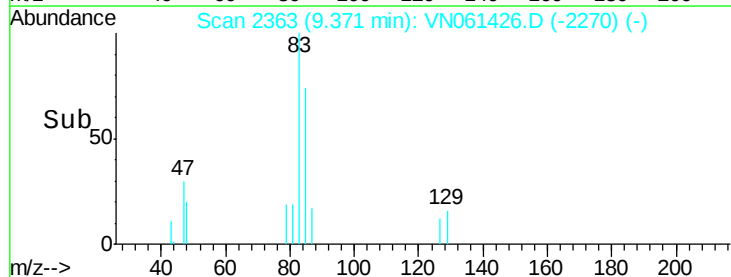
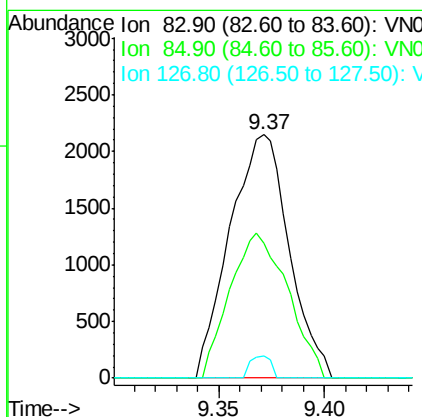
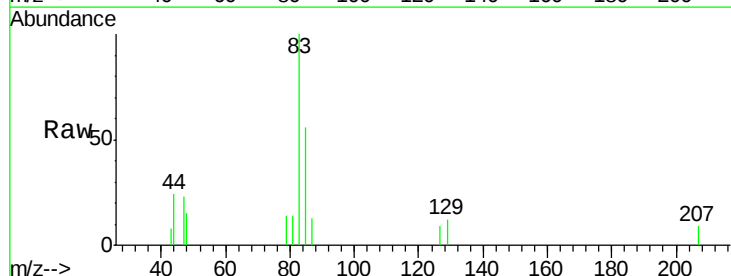
Manual Integrations
APPROVED

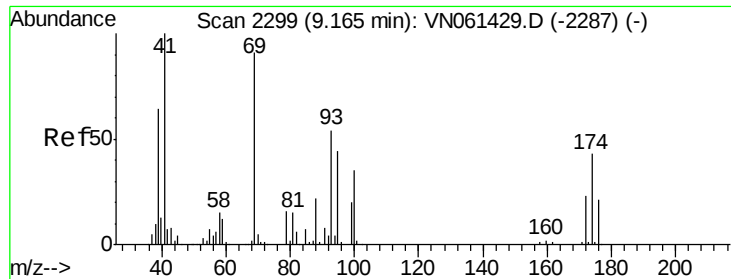
MMDadoda
5/19/2020 4:25:22 PM



#47
Bromodichloromethane
Concen: 0.820 ug/l
RT: 9.37 min Scan# 2363
Delta R.T. -0.00 min
Lab File: VN061426.D
Acq: 18 May 2020 10:50

Tgt Ion: 83 Resp: 4195
Ion Ratio Lower Upper
83 100
85 55.5 50.6 76.0
127 9.1 6.1 9.1#





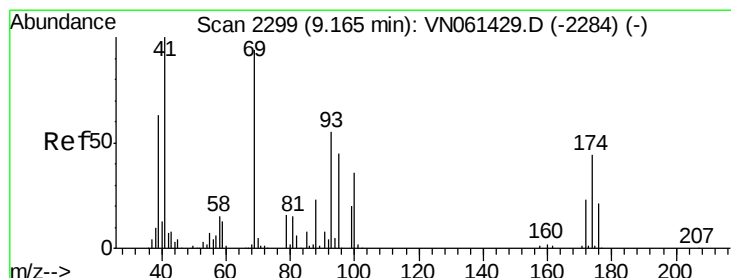
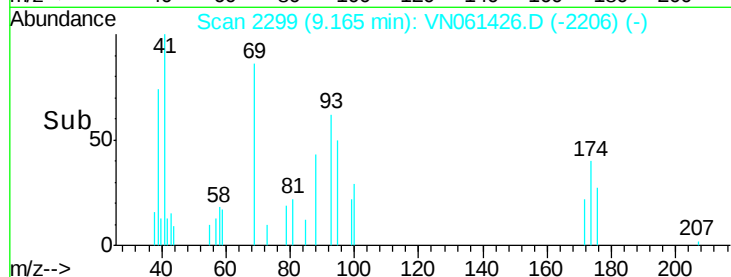
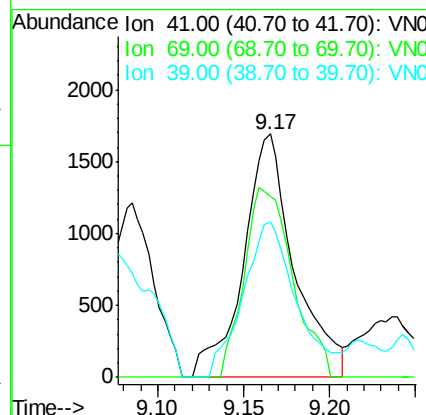
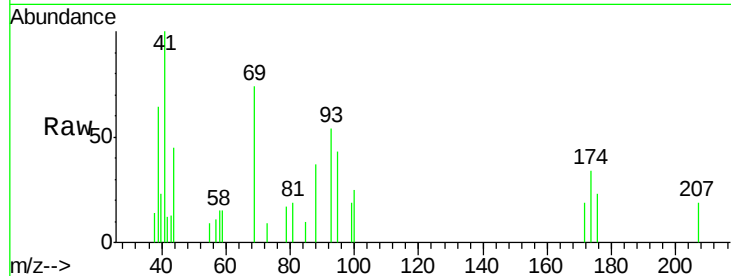
#48
Methvl methacrylate
Concen: 1.017 ug/l
RT: 9.17 min Scan# 2299
Delta R.T. -0.00 min
Lab File: VN061426.D
Acq: 18 May 2020 10:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
41	100		
69	73.9	75.3	112.9#
39	66.5	52.6	79.0

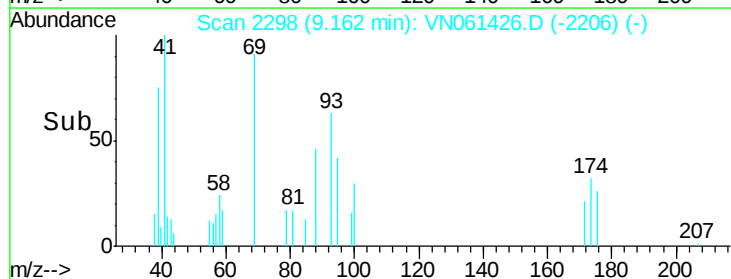
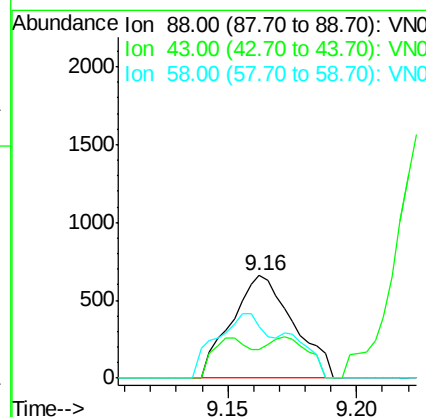
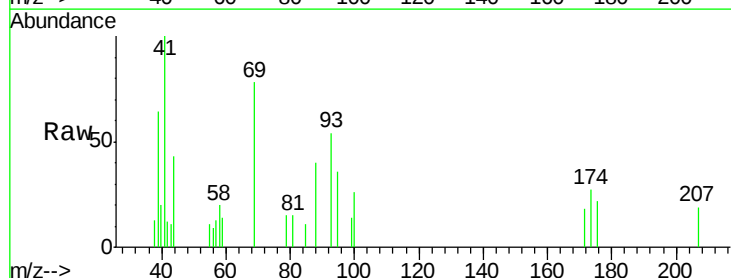
Manual Integrations
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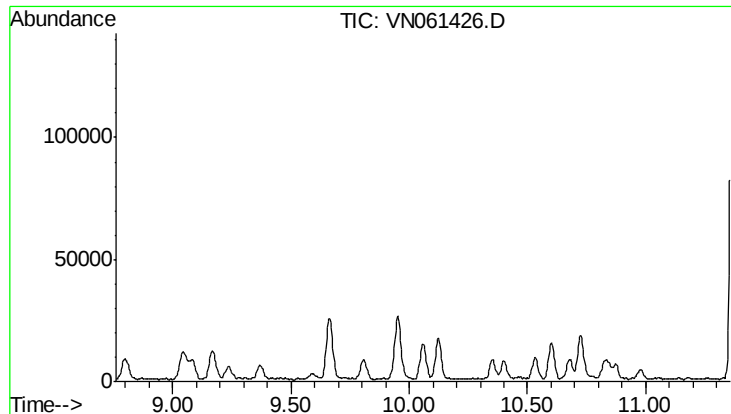
MMDadoda
5/19/2020 4:25:22 PM



#49
1,4-Dioxane
Concen: 49.616 ug/l
RT: 9.16 min Scan# 2298
Delta R.T. -0.00 min
Lab File: VN061426.D
Acq: 18 May 2020 10:50

Tgt Ion	Ratio	Lower	Upper
88	100		
43	22.4	26.3	39.5#
58	52.5	54.1	81.1#





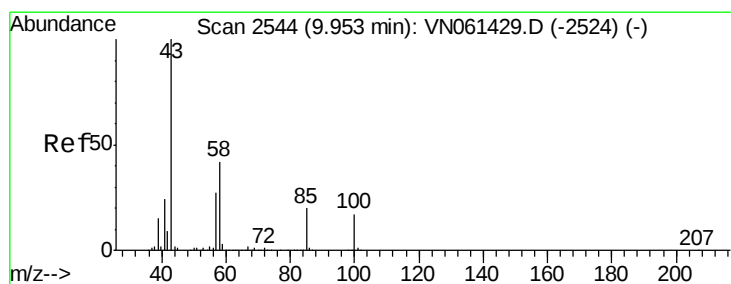
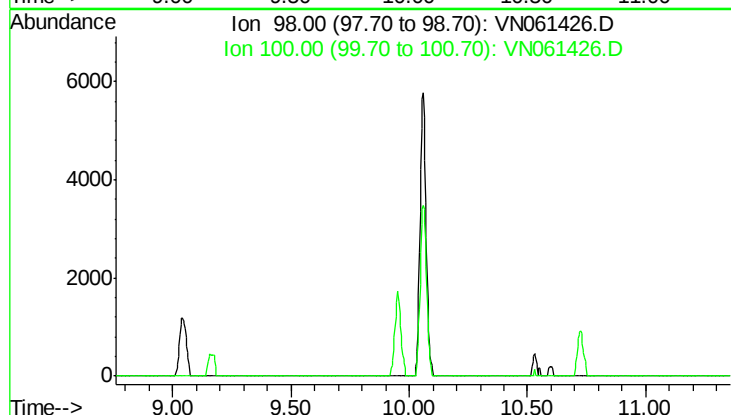
#50
Toluene-d8
Concen: 0.000 ug/l
Expected RT: 10.06 min
Lab File: VN061426.D
Acq: 18 May 2020 10:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Manual Integrations
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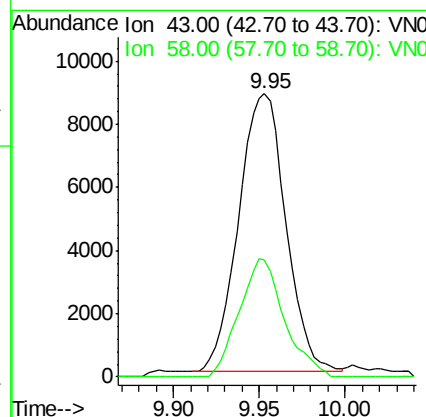
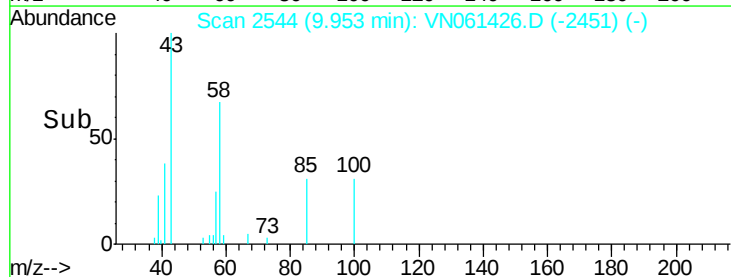
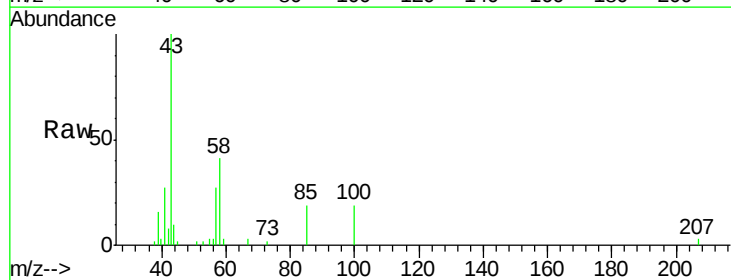
MMDadoda
5/19/2020 4:25:22 PM

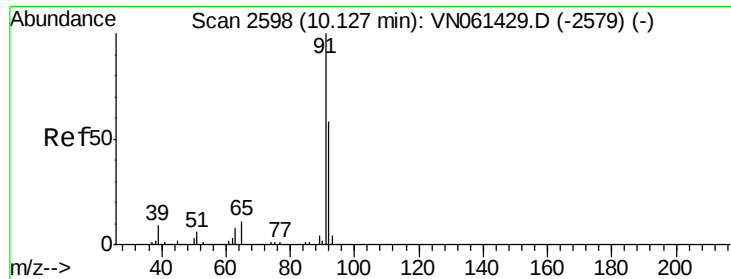
Tot Ion: 98
Sig Exp Ratio
98 100
100 64.8



#51
4-Methyl-2-Pentanone
Concen: 4.108 ug/l
RT: 9.95 min Scan# 2544
Delta R.T. -0.00 min
Lab File: VN061426.D
Acq: 18 May 2020 10:50

Tgt Ion: 43 Resp: 16753
Ion Ratio Lower Upper
43 100
58 40.5 33.4 50.2





#52

Toluene

Concen: 0.838 ug/l

RT: 10.12 min Scan# 2597

Delta R.T. -0.00 min

Lab File: VN061426.D

Acq: 18 May 2020 10:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion: 92 Resp: 7395

Ion Ratio Lower Upper

92 100

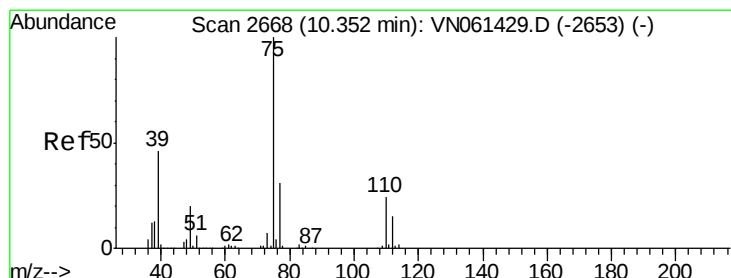
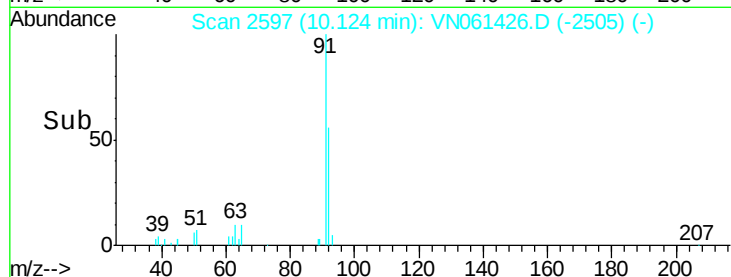
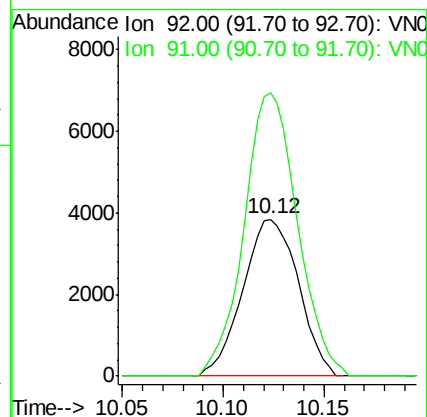
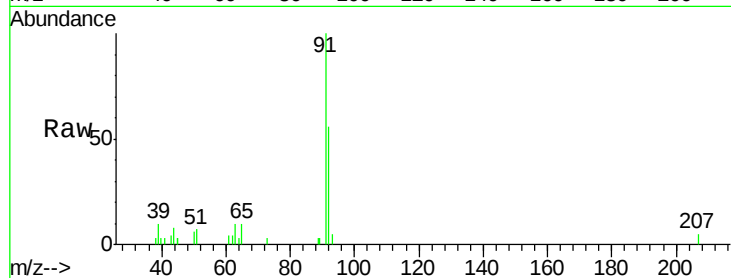
91 173.6 138.0 207.0

Manual Integrations

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#53

t-1,3-Dichloropropene

Concen: 0.774 ug/l

RT: 10.35 min Scan# 2668

Delta R.T. -0.00 min

Lab File: VN061426.D

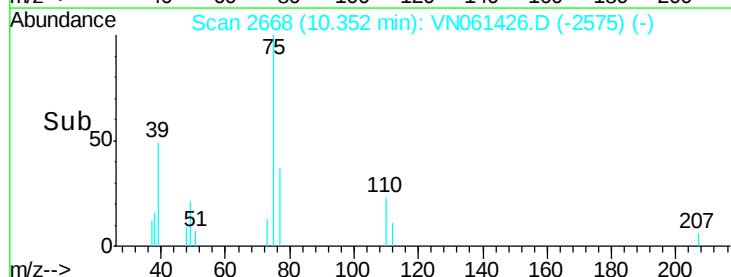
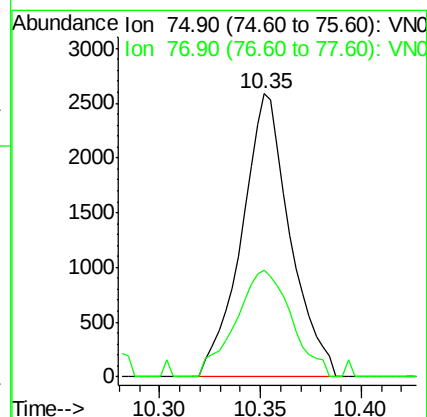
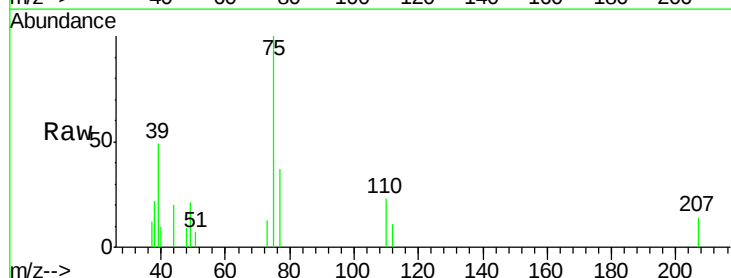
Acq: 18 May 2020 10:50

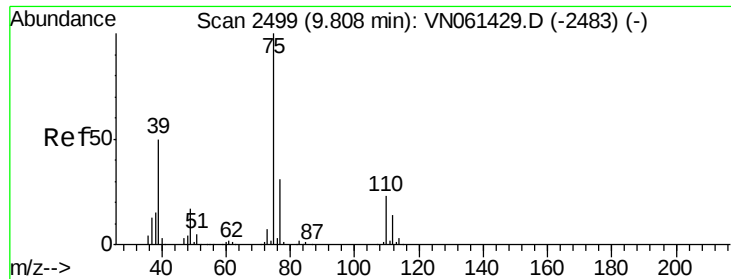
Tgt Ion: 75 Resp: 4328

Ion Ratio Lower Upper

75 100

77 37.5 24.8 37.2#





#54

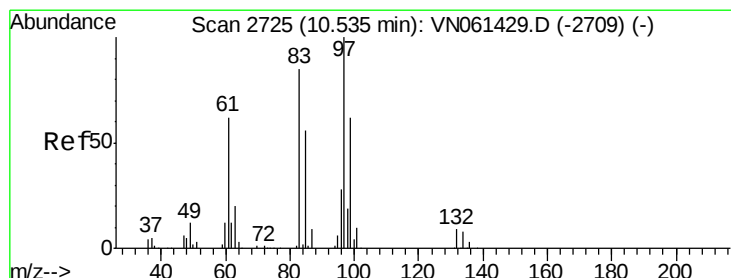
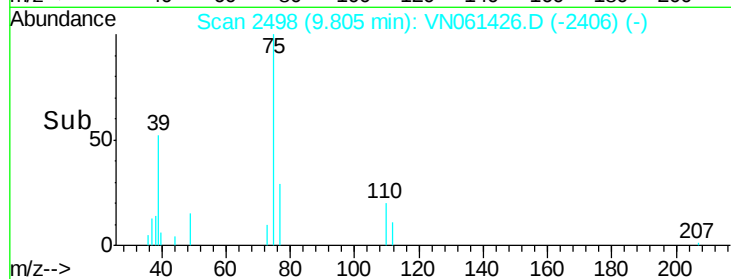
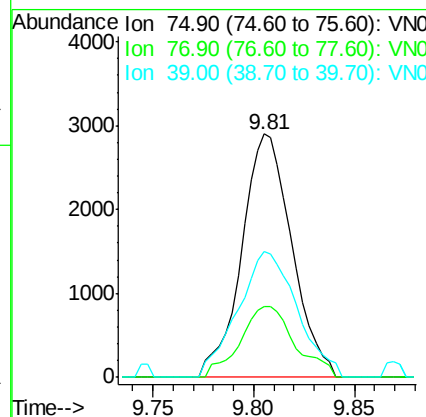
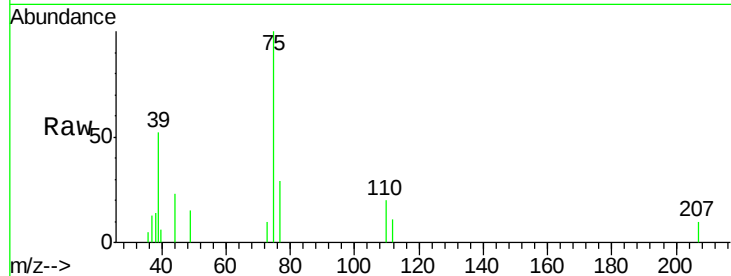
cis-1,3-Dichloropropene
 Concen: 0.853 ug/l
 RT: 9.81 min Scan# 2498
 Delta R.T. -0.00 min
 Lab File: VN061426.D
 Acq: 18 May 2020 10:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion:	75	Resp:	5034
Ion	Ratio	Lower	Upper
75	100		
77	28.8	24.8	37.2
39	51.8	39.8	59.6

Manual Integrations
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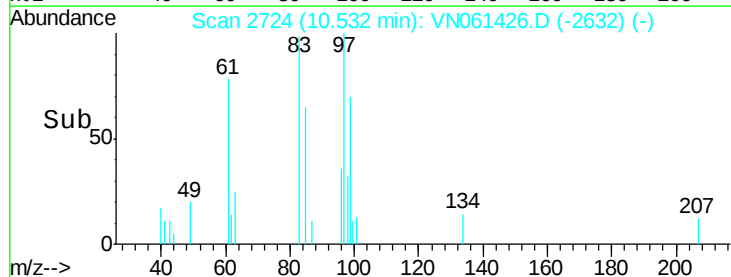
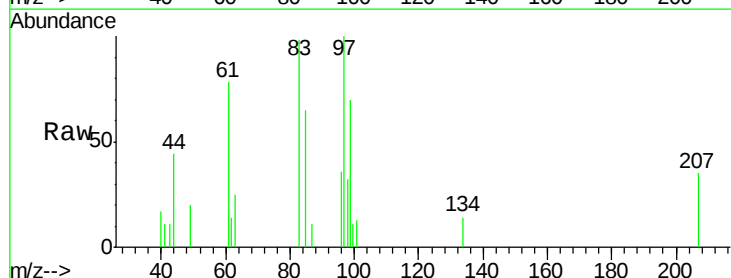
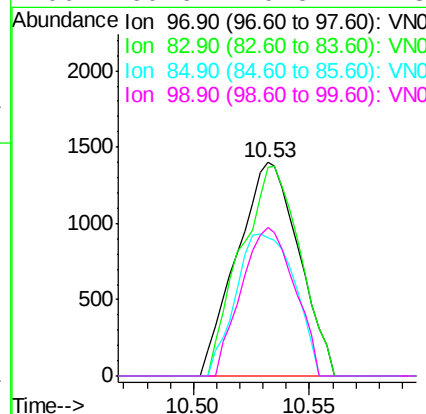
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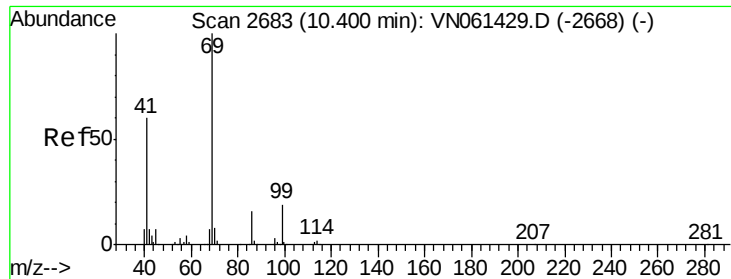


#55

1,1,2-Trichloroethane
 Concen: 0.788 ug/l
 RT: 10.53 min Scan# 2724
 Delta R.T. -0.00 min
 Lab File: VN061426.D
 Acq: 18 May 2020 10:50

Tgt Ion:	97	Resp:	2589
Ion	Ratio	Lower	Upper
97	100		
83	97.9	68.2	102.4
85	64.9	44.6	67.0
99	69.6	49.5	74.3





#56

Ethyl methacrylate

Concen: 0.762 ug/l

RT: 10.40 min Scan# 2683

Delta R.T. -0.00 min

Lab File: VN061426.D

Acq: 18 May 2020 10:50

Instrument :

MSVOA_N

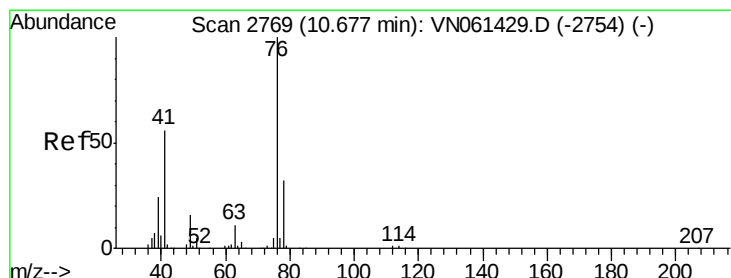
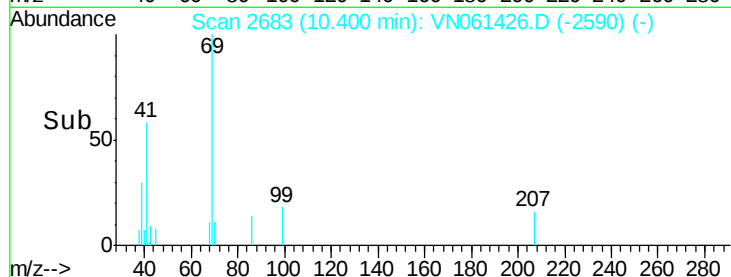
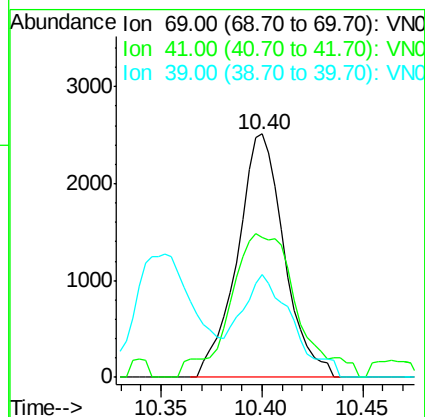
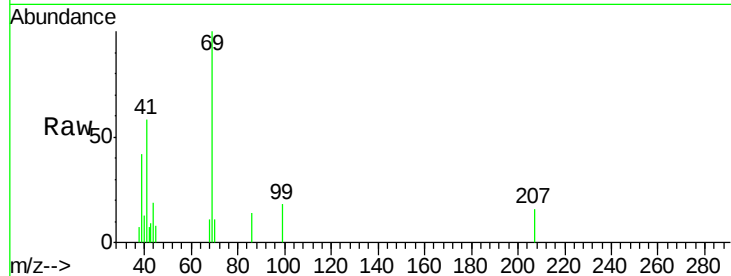
ClientSampleId :

VSTDIC001

Tot Ion:	69	Resp:	4091
Ion	Ratio	Lower	Upper
69	100		
41	83.6	48.3	72.5#
39	46.8	30.2	45.2#

Manual Integrations
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#57

1,3-Dichloropropane

Concen: 0.856 ug/l

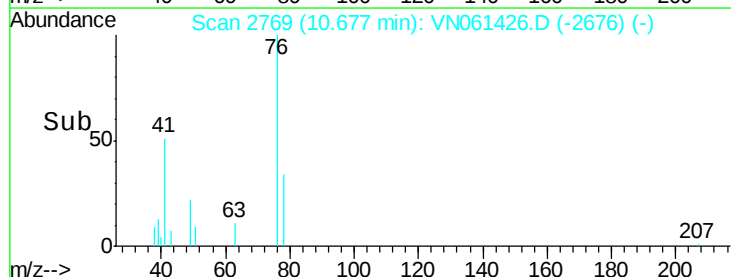
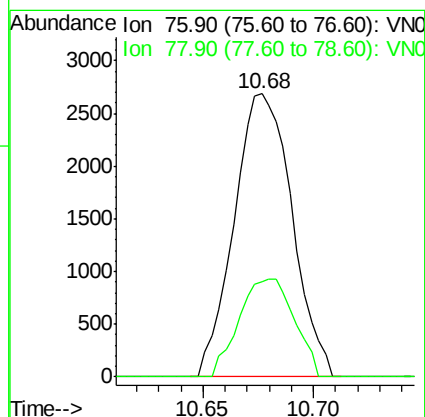
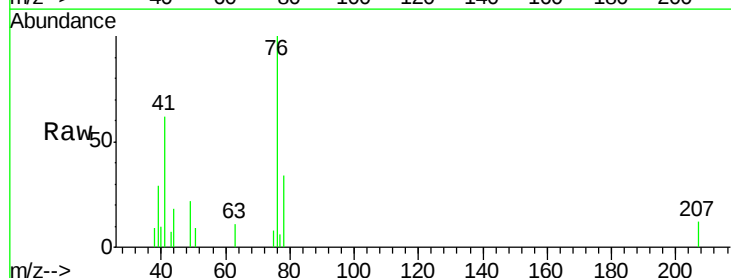
RT: 10.68 min Scan# 2769

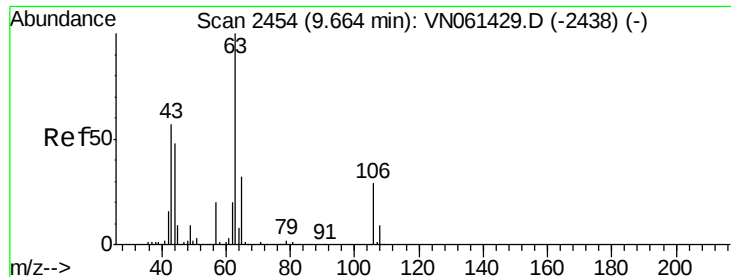
Delta R.T. -0.00 min

Lab File: VN061426.D

Acq: 18 May 2020 10:50

Tgt Ion:	76	Resp:	4899
Ion	Ratio	Lower	Upper
76	100		
78	32.9	26.0	39.0





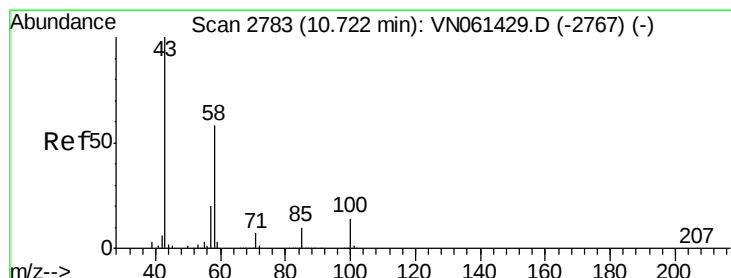
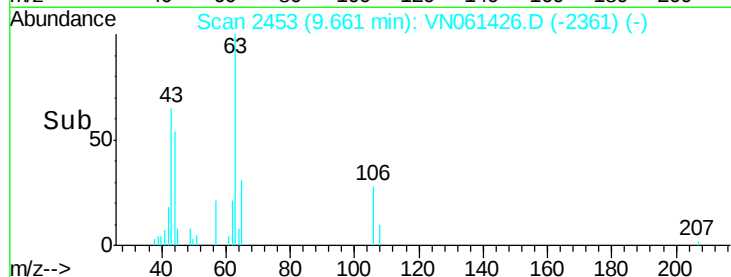
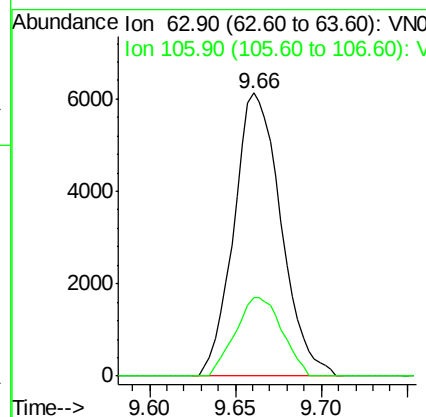
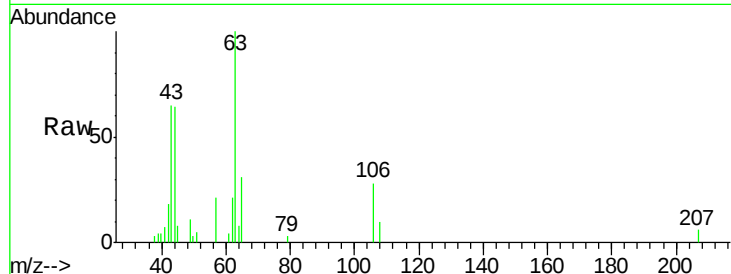
#58
 2-Chloroethyl Vinyl ether
 Concen: 5.159 ug/l
 RT: 9.66 min Scan# 2453
 Delta R.T. -0.00 min
 Lab File: VN061426.D
 Acq: 18 May 2020 10:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion: 63 Resp: 11702
 Ion Ratio Lower Upper
 63 100
 106 27.4 22.7 34.1

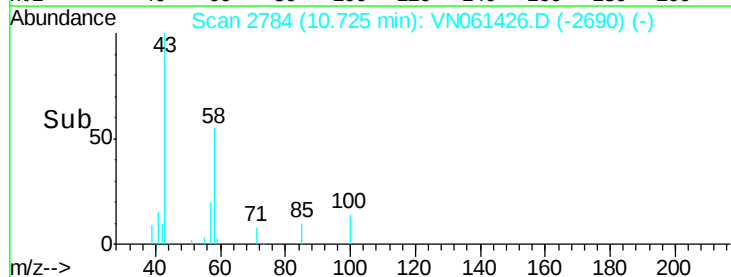
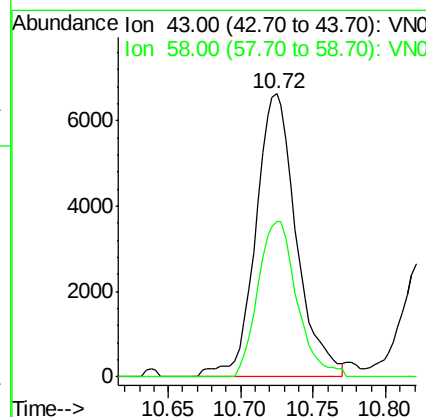
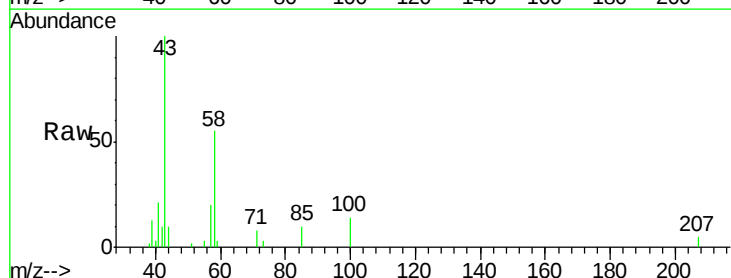
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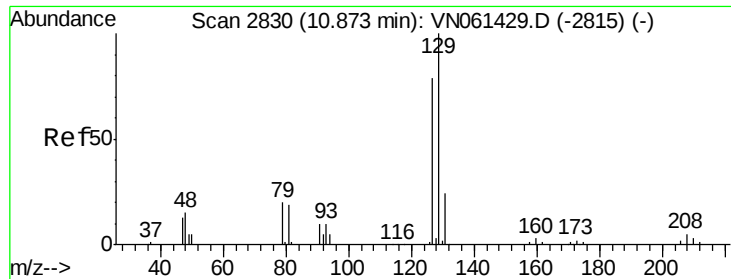
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#59
 2-Hexanone
 Concen: 4.633 ug/l
 RT: 10.72 min Scan# 2784
 Delta R.T. 0.00 min
 Lab File: VN061426.D
 Acq: 18 May 2020 10:50

Tgt Ion: 43 Resp: 12945
 Ion Ratio Lower Upper
 43 100
 58 52.5 29.2 87.6





#60

Dibromochloromethane

Concen: 0.745 ug/l

RT: 10.87 min Scan# 2830

Delta R.T. -0.00 min

Lab File: VN061426.D

Acq: 18 May 2020 10:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion:129 Resp: 2722

Ion Ratio Lower Upper

129 100

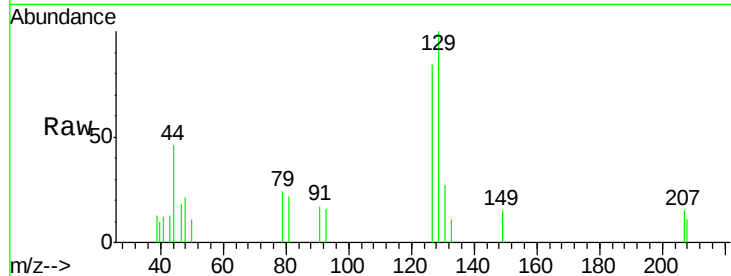
127 81.7 38.8 116.3

Manual Integrations

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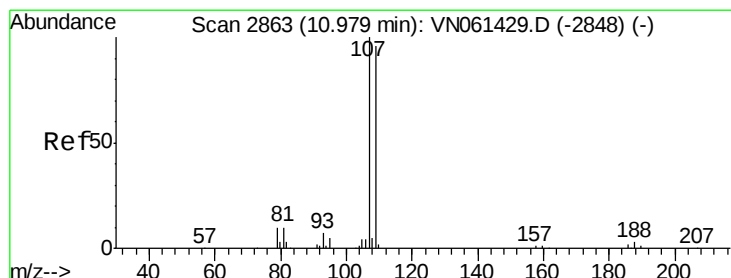
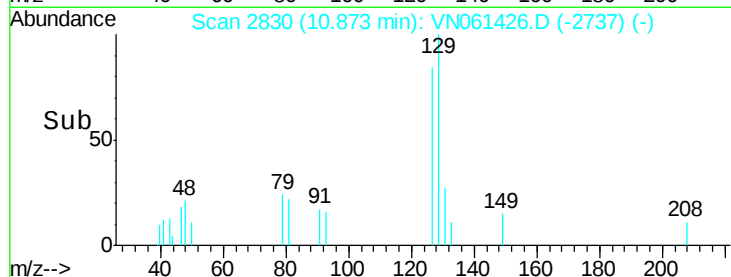
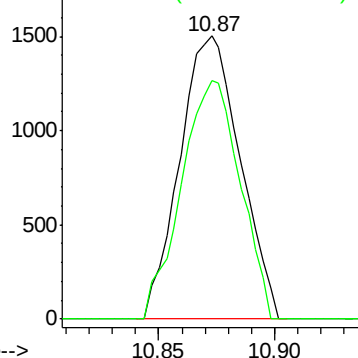
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Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#61

1,2-Dibromoethane

Concen: 0.842 ug/l

RT: 10.98 min Scan# 2863

Delta R.T. -0.00 min

Lab File: VN061426.D

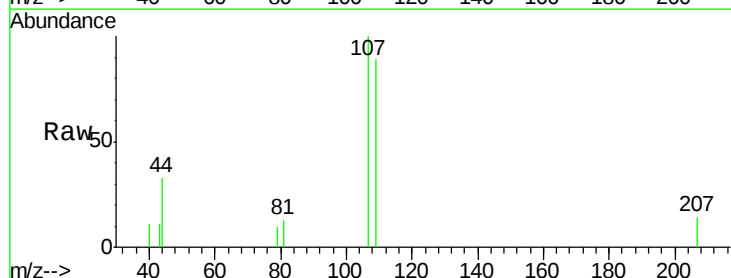
Acq: 18 May 2020 10:50

Tgt Ion:107 Resp: 2908

Ion Ratio Lower Upper

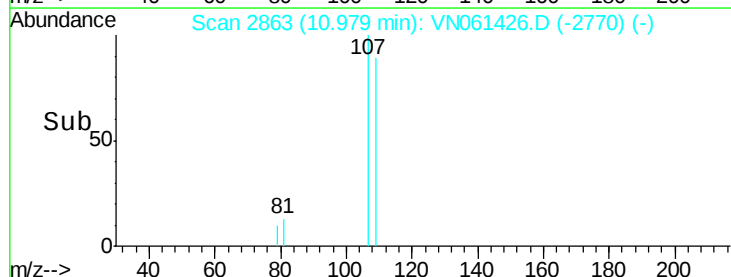
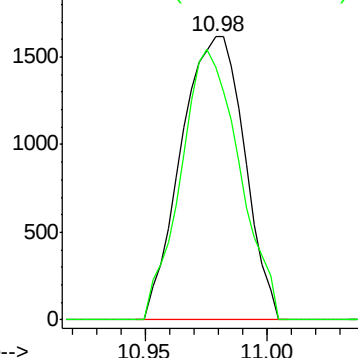
107 100

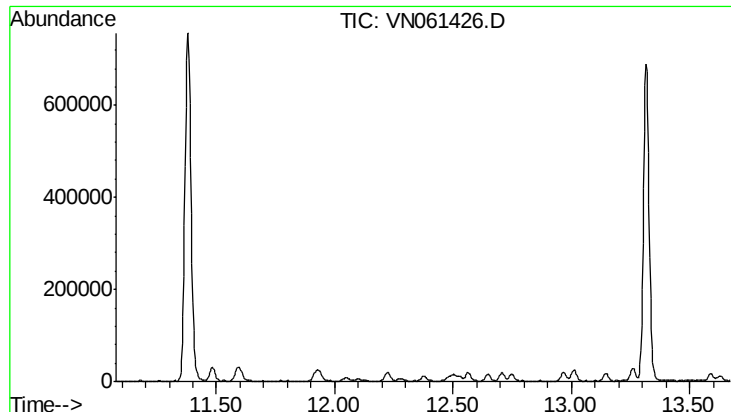
109 88.6 75.7 113.5



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V





#62
 4-Bromofluorobenzene
 Concen: 0.000 ug/l
 Expected RT: 12.37 min

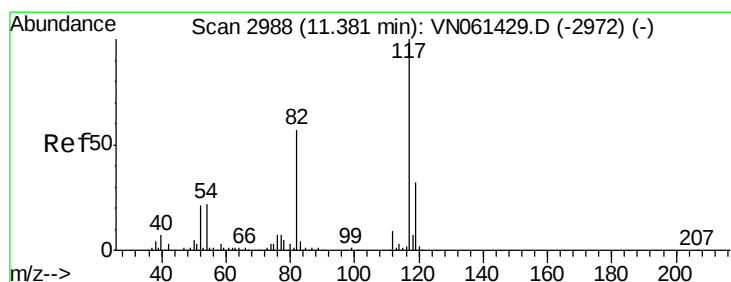
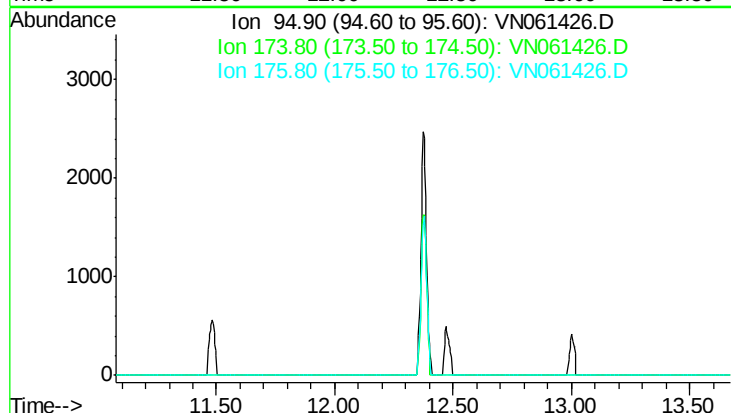
Lab File: VN061426.D
 Acq: 18 May 2020 10:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion	95
Sig	Exp Ratio
95	100
174	70.6
176	68.8

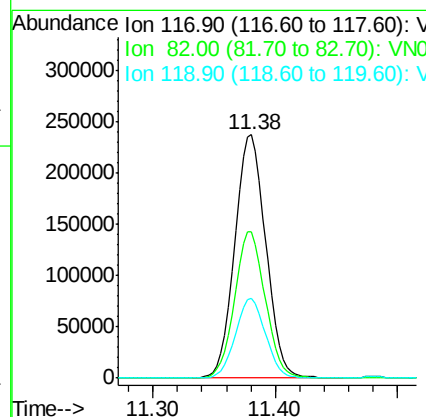
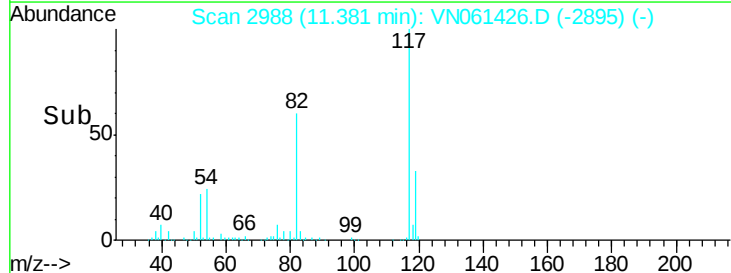
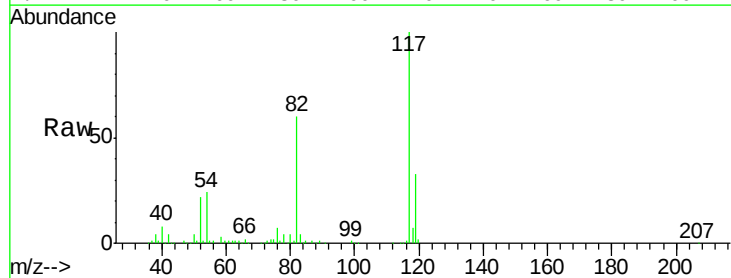
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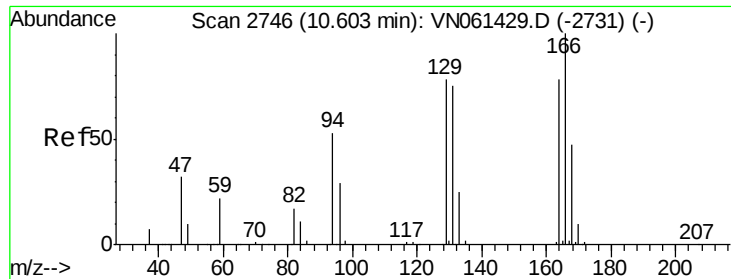
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#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 11.38 min Scan# 2988
 Delta R.T. -0.00 min
 Lab File: VN061426.D
 Acq: 18 May 2020 10:50

Tgt Ion	117	Resp	420599
Ion	Ratio	Lower	Upper
117	100		
82	59.9	45.2	67.8
119	32.9	25.3	37.9





#64

Tetrachloroethene

Concen: 0.899 ug/l

RT: 10.60 min Scan# 2746

Delta R.T. -0.00 min

Lab File: VN061426.D

Acq: 18 May 2020 10:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion:164 Resp: 2959

Ion Ratio Lower Upper

164 100

166 131.6 103.2 154.8

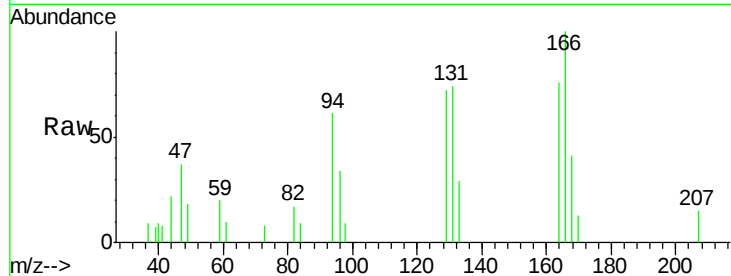
129 94.5 81.0 121.4

131 97.0 77.3 115.9

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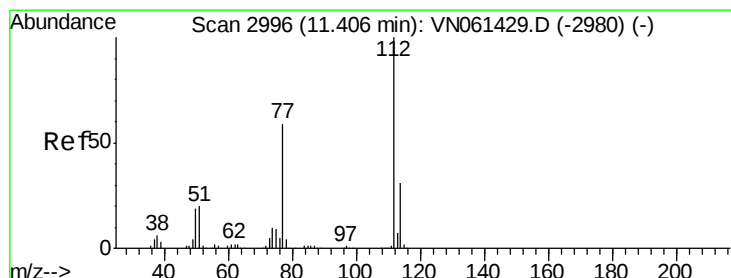
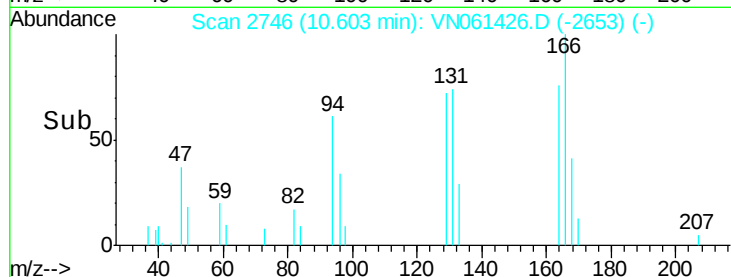
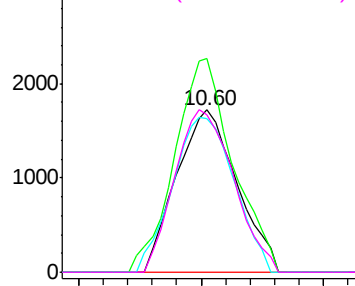


Abundance Ion 163.80 (163.50 to 164.50): V

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: 0.914 ug/l

RT: 11.40 min Scan# 2995

Delta R.T. -0.00 min

Lab File: VN061426.D

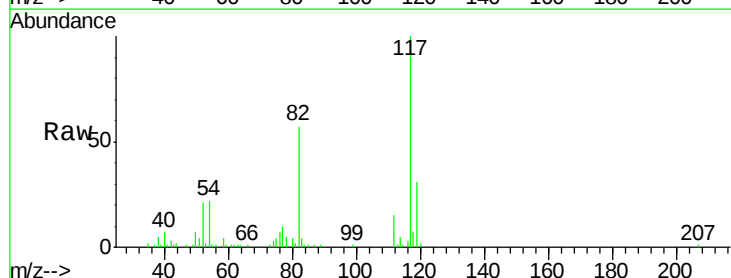
Acq: 18 May 2020 10:50

Tgt Ion:112 Resp: 7977

Ion Ratio Lower Upper

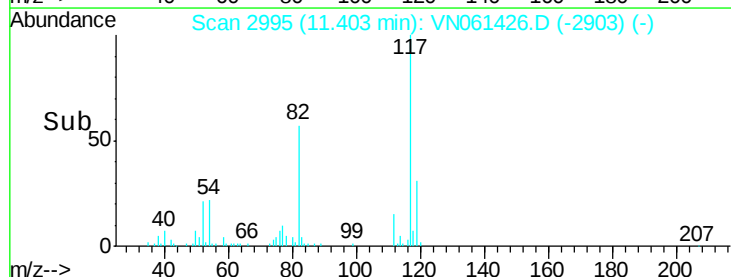
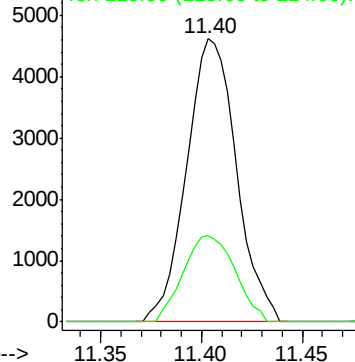
112 100

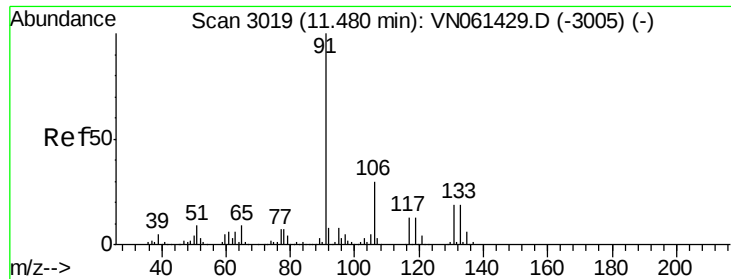
114 30.6 25.0 37.6



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V





#66

1,1,1,2-Tetrachloroethane

Concen: 0.820 ug/l

RT: 11.47 min Scan# 3017

Delta R.T. -0.01 min

Lab File: VN061426.D

Acq: 18 May 2020 10:50

Instrument :

MSVOA_N

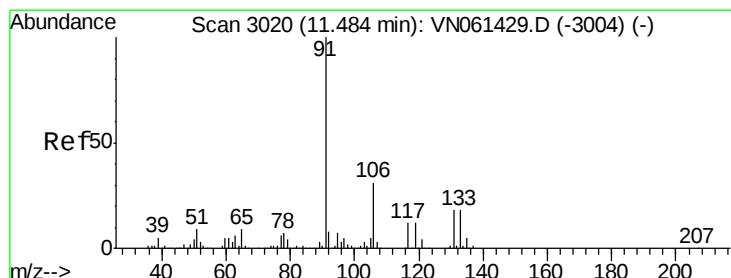
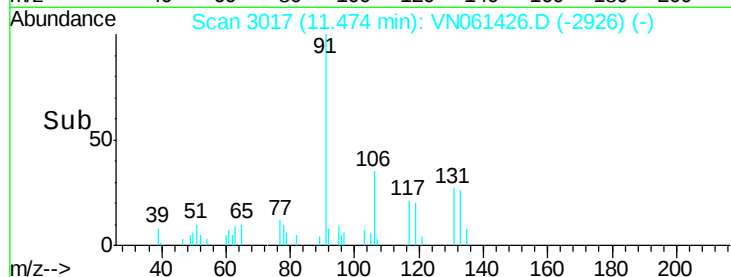
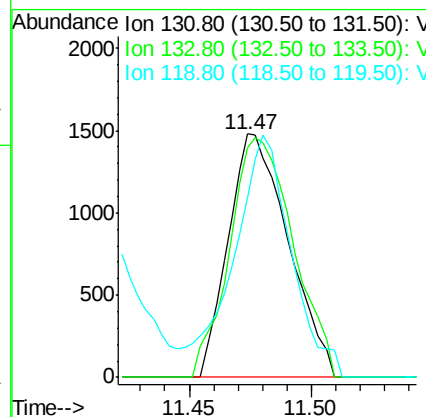
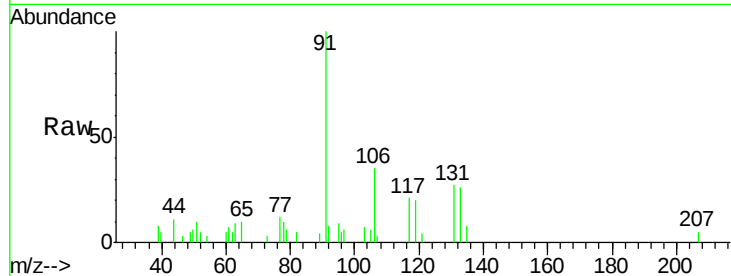
ClientSampleId :

VSTDIC001

Tot Ion	Ratio	Lower	Upper
131	100		
133	104.4	48.7	146.1
119	0.0	33.8	101.3#

Manual Integrations
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#67

Ethyl Benzene

Concen: 0.837 ug/l

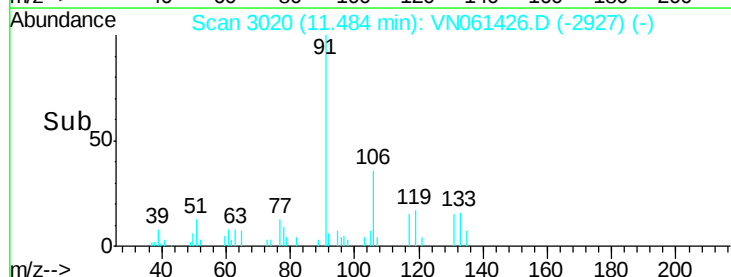
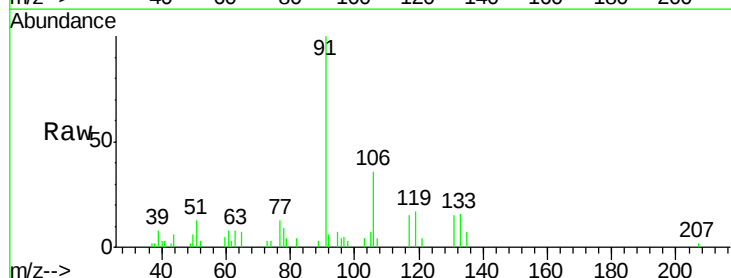
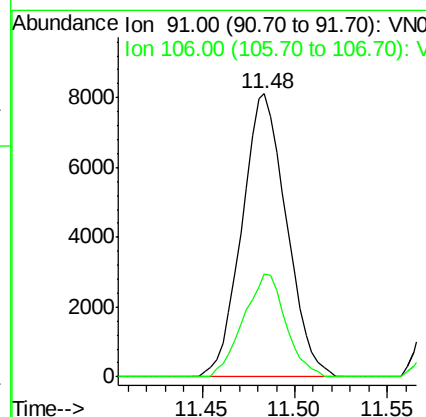
RT: 11.48 min Scan# 3020

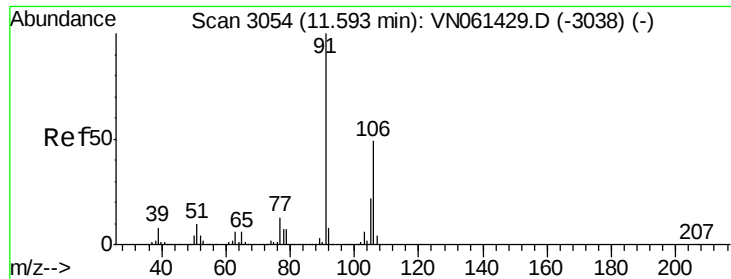
Delta R.T. -0.00 min

Lab File: VN061426.D

Acq: 18 May 2020 10:50

Tgt Ion	Ratio	Lower	Upper
91	100		
106	36.3	24.6	36.8





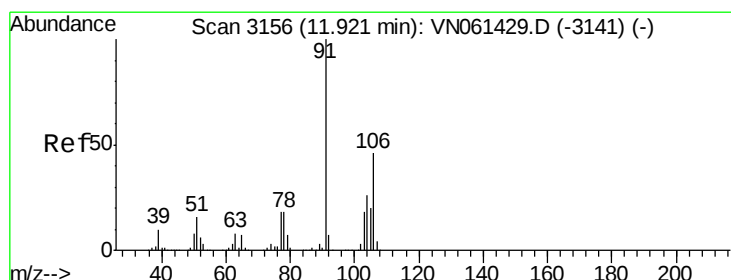
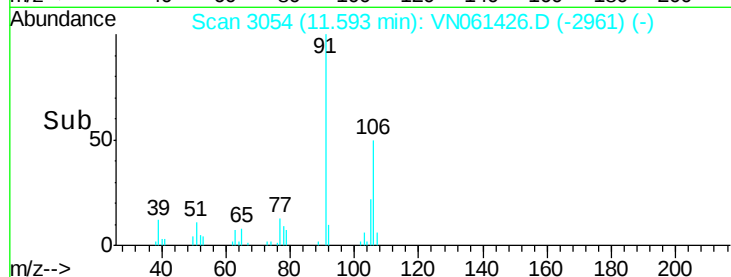
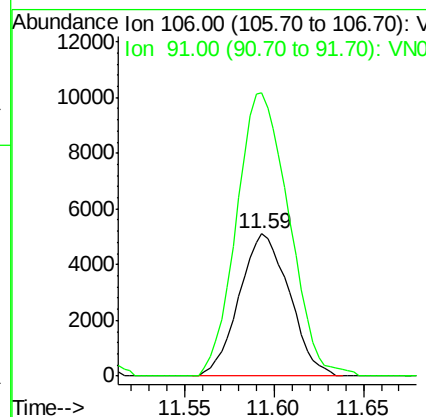
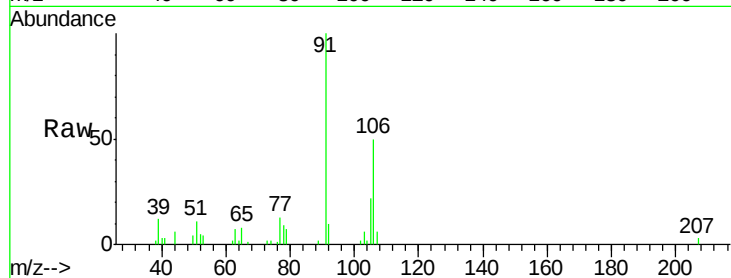
#68
m/p-Xylenes
Concen: 1.648 ug/l
RT: 11.59 min Scan# 3054
Delta R.T. -0.00 min
Lab File: VN061426.D
Acq: 18 May 2020 10:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion:106 Resp: 10014
Ion Ratio Lower Upper
106 100
91 207.9 163.0 244.6

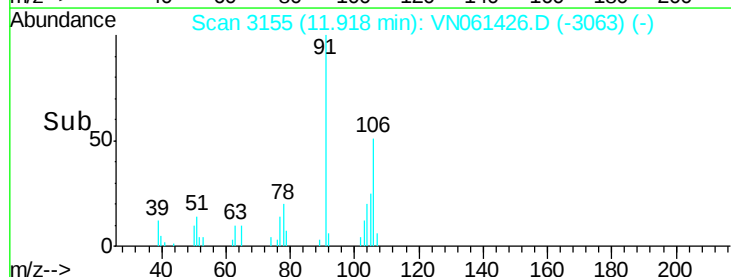
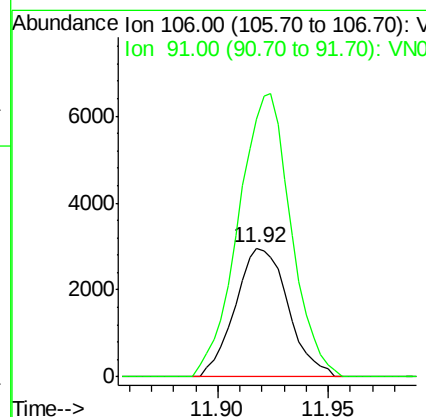
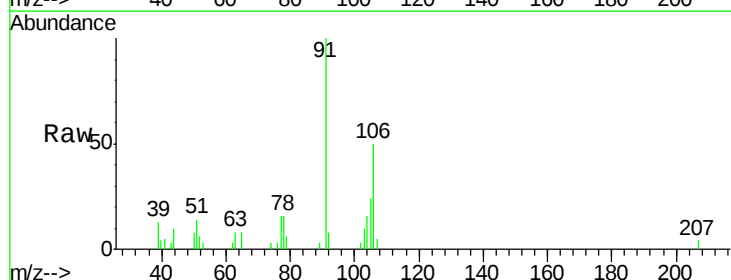
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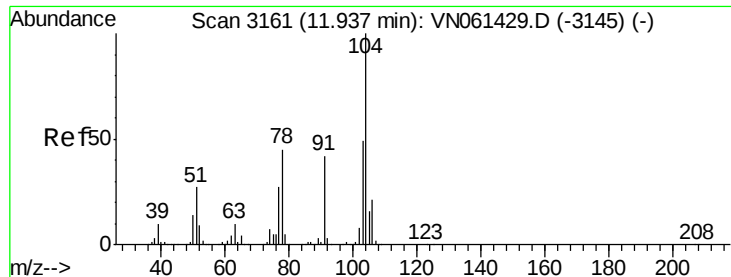
MMDadoda
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#69
o-Xylene
Concen: 0.837 ug/l
RT: 11.92 min Scan# 3155
Delta R.T. -0.00 min
Lab File: VN061426.D
Acq: 18 May 2020 10:50

Tgt Ion:106 Resp: 4930
Ion Ratio Lower Upper
106 100
91 219.0 107.9 323.7





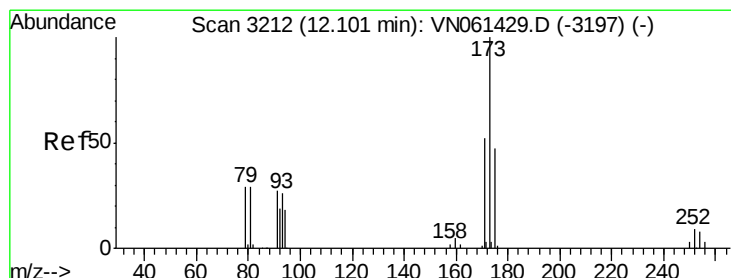
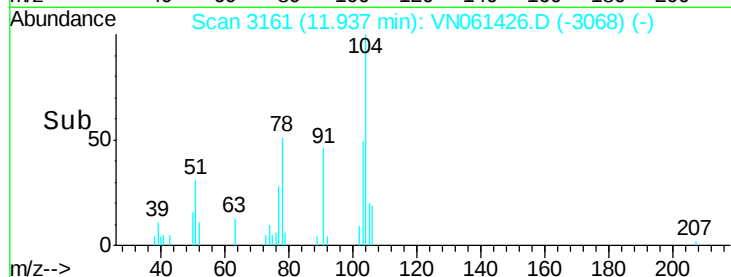
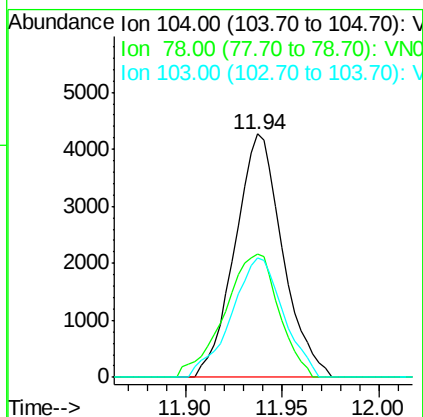
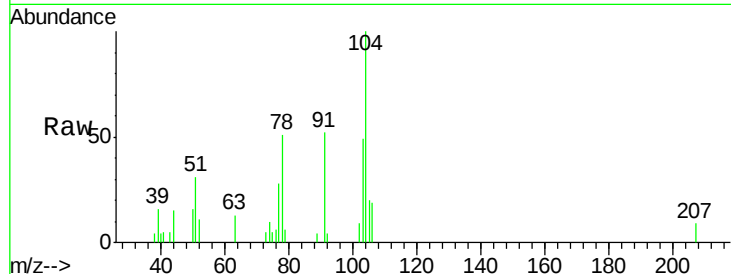
#70
Stvrene
Concen: 0.738 ug/l
RT: 11.94 min Scan# 3161
Delta R.T. -0.00 min
Lab File: VN061426.D
Acq: 18 May 2020 10:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
104	100		
78	57.8	40.7	61.1
103	53.3	43.0	64.4

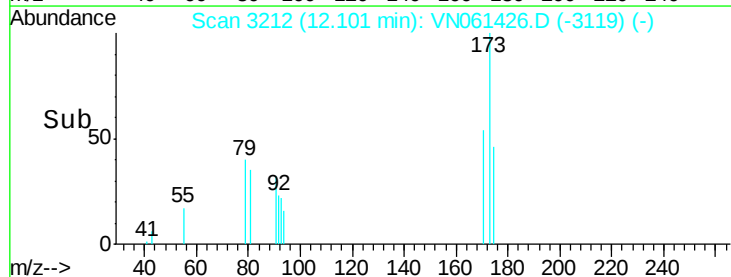
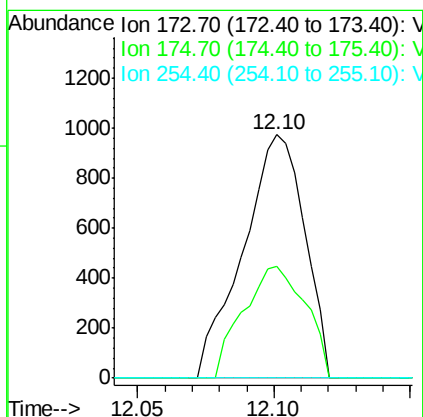
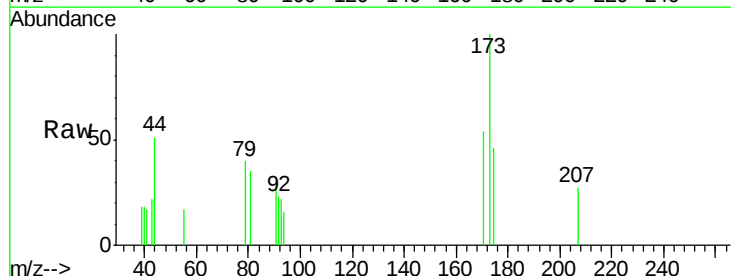
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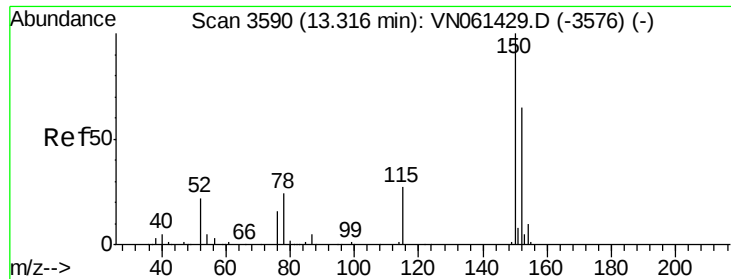
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#71
Bromoform
Concen: 0.704 ug/l
RT: 12.10 min Scan# 3212
Delta R.T. -0.00 min
Lab File: VN061426.D
Acq: 18 May 2020 10:50

Tgt Ion	Ratio	Lower	Upper
173	100		
175	46.5	23.9	71.8
254	0.0	0.0	0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3590

Delta R.T. -0.00 min

Lab File: VN061426.D

Acq: 18 May 2020 10:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion:152 Resp: 172245

Ion Ratio Lower Upper

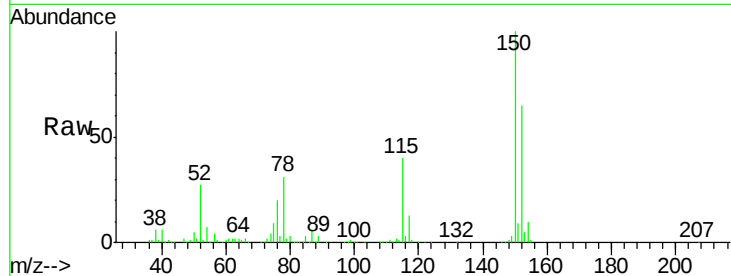
152 100

115 61.4 30.9 92.5

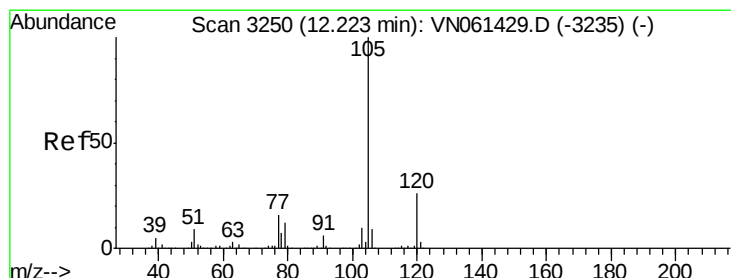
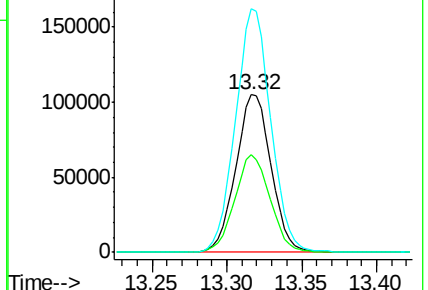
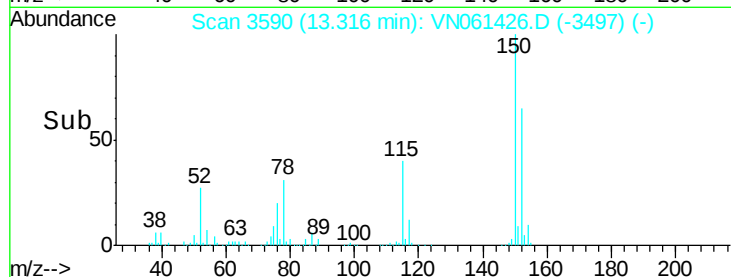
150 155.0 0.0 349.2

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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: 0.947 ug/l

RT: 12.22 min Scan# 3250

Delta R.T. -0.00 min

Lab File: VN061426.D

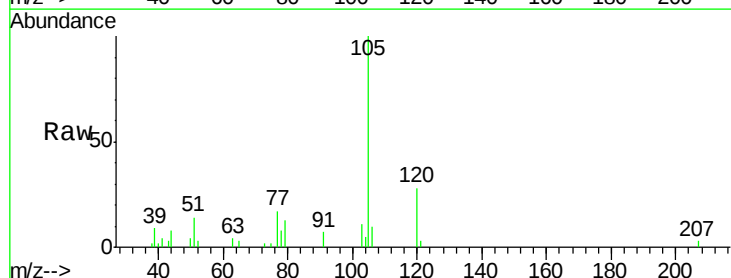
Acq: 18 May 2020 10:50

Tgt Ion:105 Resp: 13272

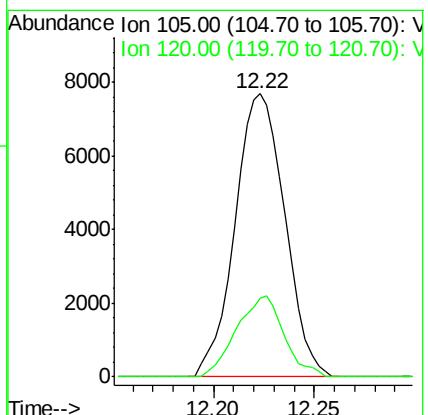
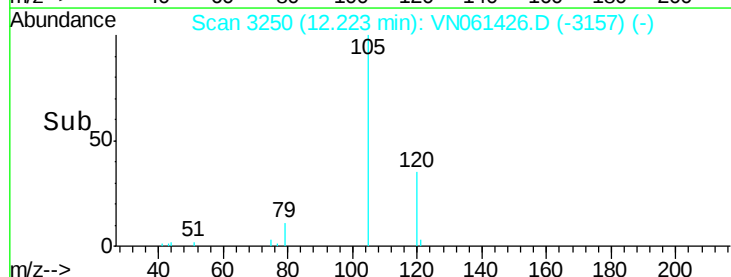
Ion Ratio Lower Upper

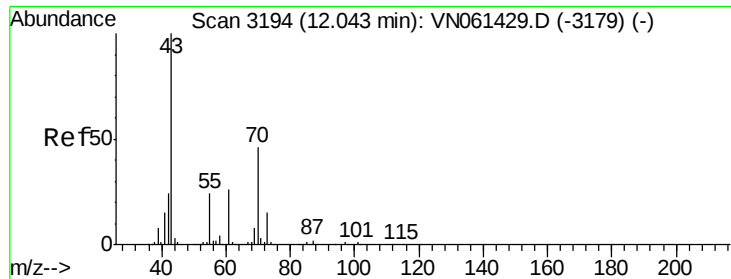
105 100

120 27.4 13.0 39.0



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





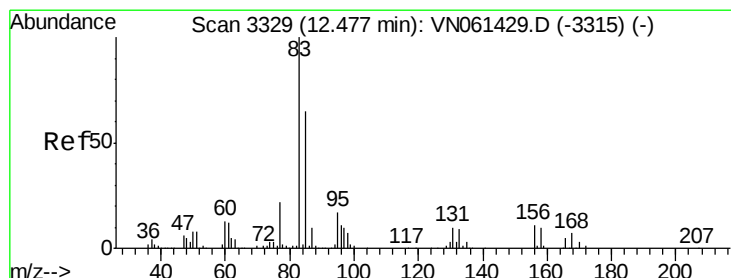
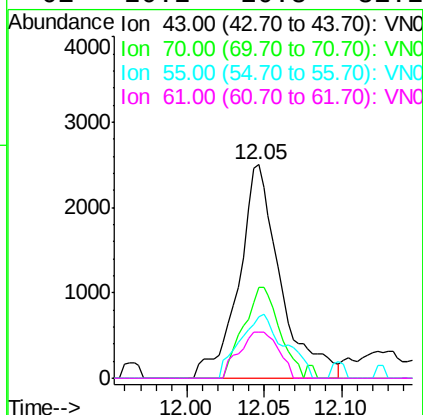
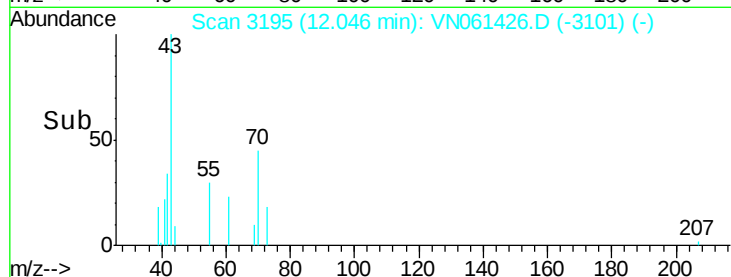
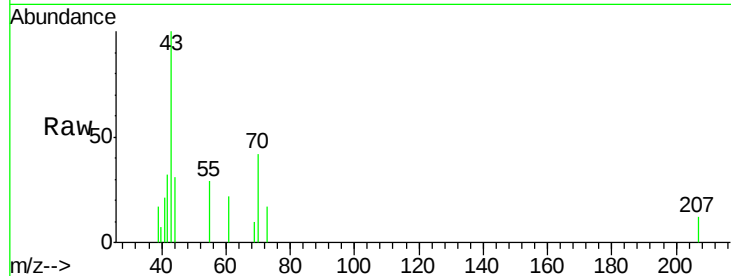
#74
N-amvl acetate
Concen: 0.850 ug/l
RT: 12.05 min Scan# 3195
Delta R.T. 0.00 min
Lab File: VN061426.D
Acq: 18 May 2020 10:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
43	100		
70	36.9	37.0	55.4#
55	32.2	19.5	29.3#
61	20.2	20.8	31.2#

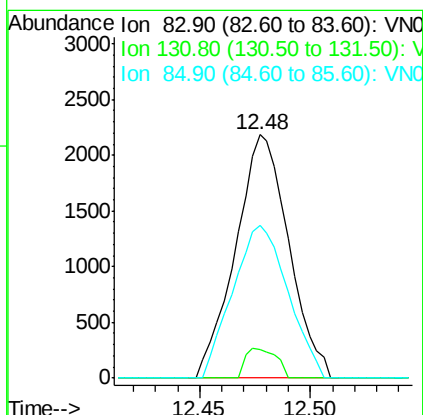
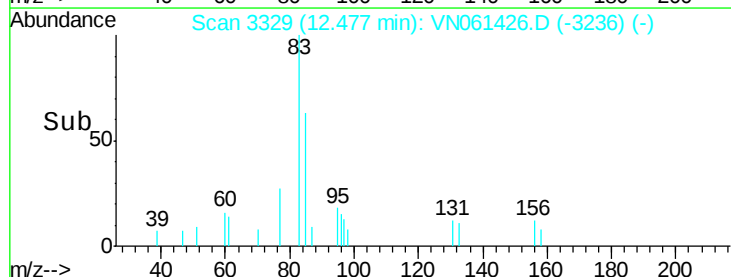
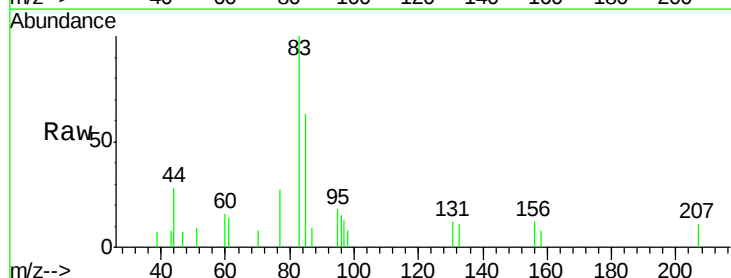
Manual Integrations
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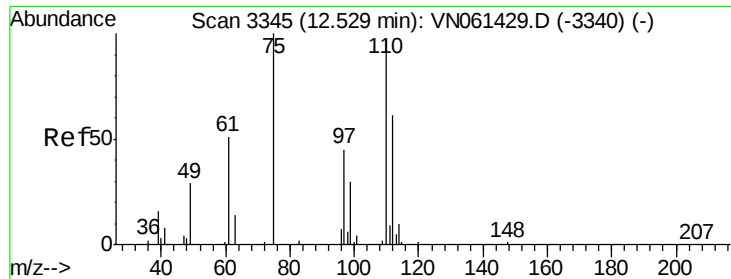
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#75
1,1,2,2-Tetrachloroethane
Concen: 0.915 ug/l
RT: 12.48 min Scan# 3329
Delta R.T. -0.00 min
Lab File: VN061426.D
Acq: 18 May 2020 10:50

Tgt Ion	Ratio	Lower	Upper
83	100		
131	7.1	4.8	14.4
85	64.9	32.1	96.5





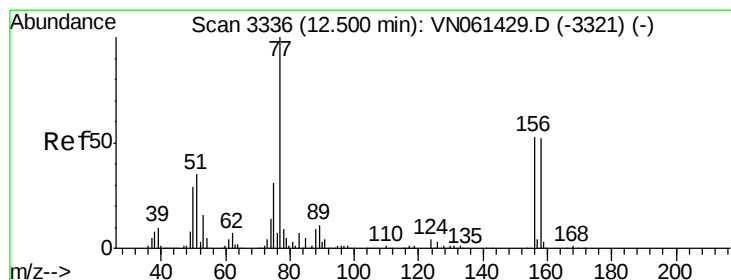
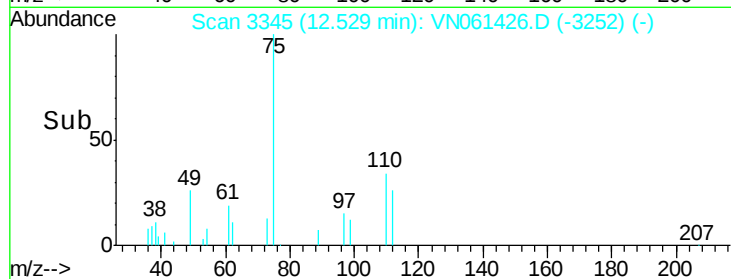
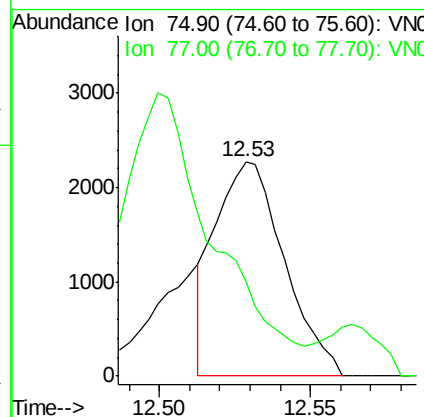
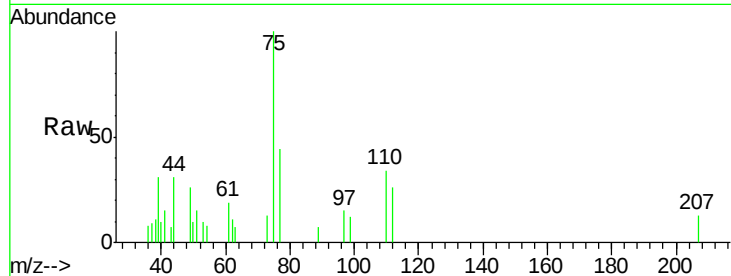
#76
 1,2,3-Trichloropropane
 Concen: 1.005 ug/l m
 RT: 12.53 min Scan# 3345
 Delta R.T. -0.00 min
 Lab File: VN061426.D
 Acq: 18 May 2020 10:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

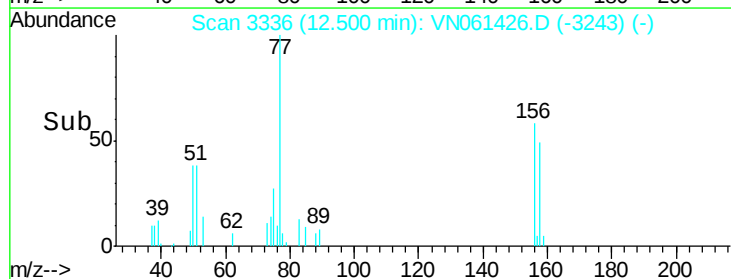
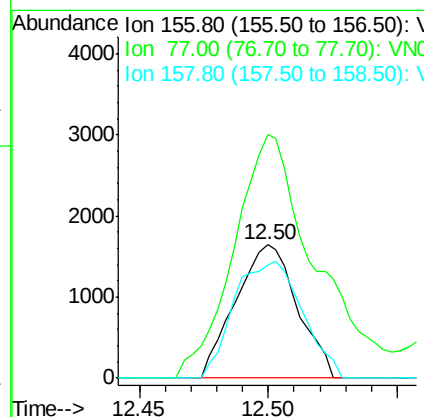
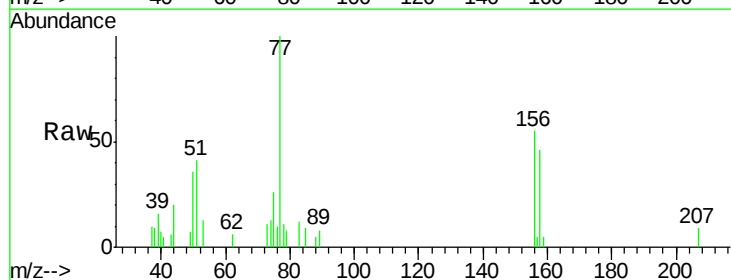
Manual Integrations
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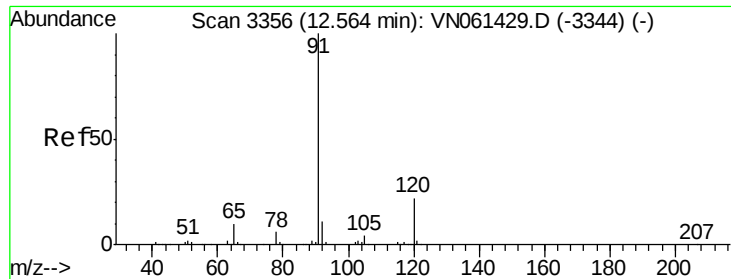
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#77
 Bromobenzene
 Concen: 0.890 ug/l
 RT: 12.50 min Scan# 3336
 Delta R.T. -0.00 min
 Lab File: VN061426.D
 Acq: 18 May 2020 10:50

Tgt Ion	Ratio	Lower	Upper
156	100		
77	240.6	112.3	336.9
158	96.8	47.9	143.6





#78

n-propylbenzene

Concen: 0.914 ug/l

RT: 12.56 min Scan# 3356

Delta R.T. -0.00 min

Lab File: VN061426.D

Acq: 18 May 2020 10:50

Instrument :

MSVOA_N

ClientSampled :

VSTDIC001

Tot Ion: 91 Resp: 14938

Ion Ratio Lower Upper

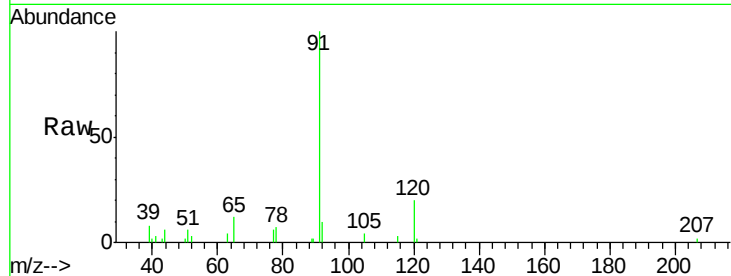
91 100

120 21.4 11.2 33.6

Manual Integrations
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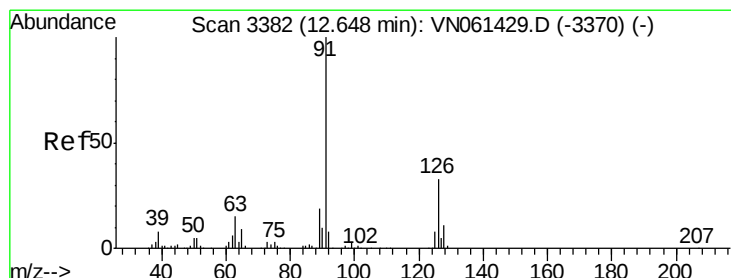
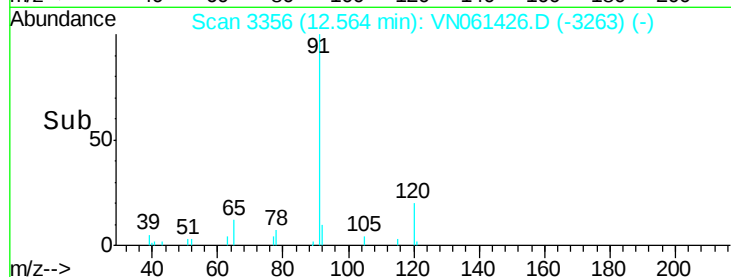


Abundance Ion 91.00 (90.70 to 91.70): VN061429.D (-3344) (-)

Ion 120.00 (119.70 to 120.70): VN061429.D (-3344) (-)

12.56

Time-->



#79

2-Chlorotoluene

Concen: 0.933 ug/l

RT: 12.65 min Scan# 3382

Delta R.T. -0.00 min

Lab File: VN061426.D

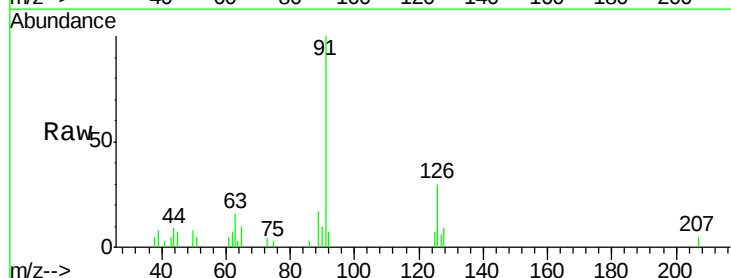
Acq: 18 May 2020 10:50

Tgt Ion: 91 Resp: 8940

Ion Ratio Lower Upper

91 100

126 28.4 16.3 48.9

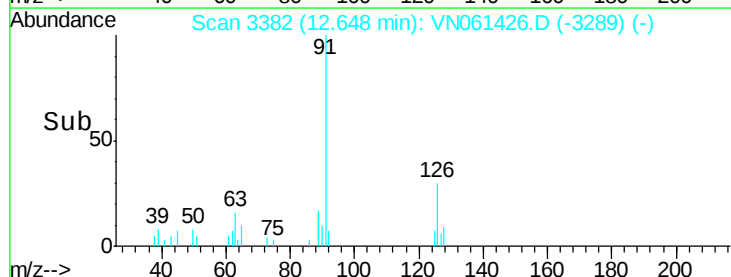


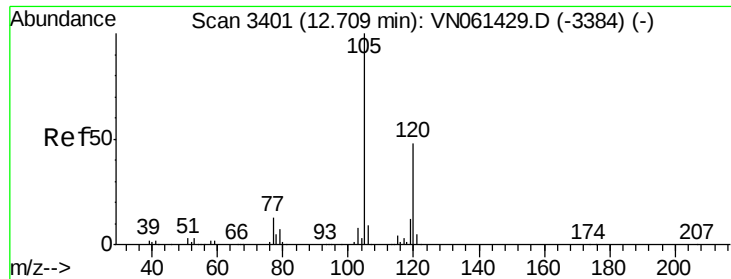
Abundance Ion 91.00 (90.70 to 91.70): VN061429.D (-3370) (-)

Ion 125.90 (125.60 to 126.60): VN061429.D (-3370) (-)

12.65

Time-->





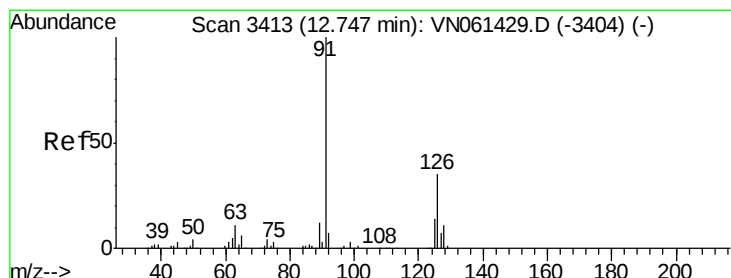
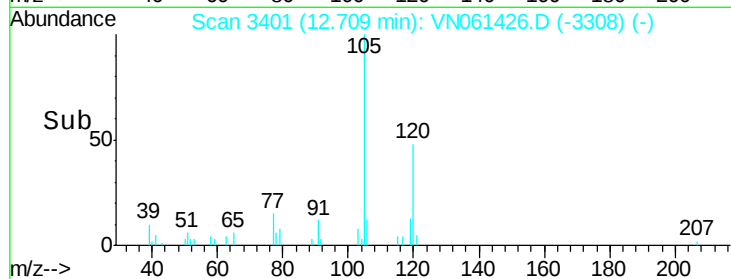
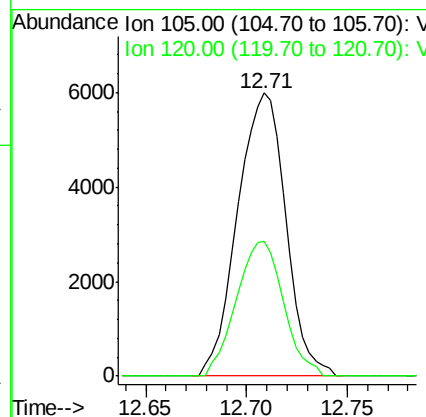
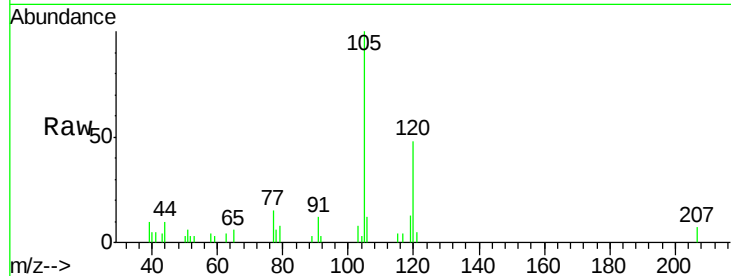
#80
 1,3,5-Trimethylbenzene
 Concen: 0.854 ug/l
 RT: 12.71 min Scan# 3401
 Delta R.T. -0.00 min
 Lab File: VN061426.D
 Acq: 18 May 2020 10:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
105	100		
120	46.5	24.1	72.4

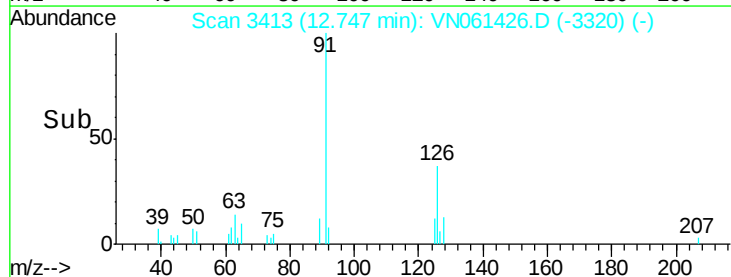
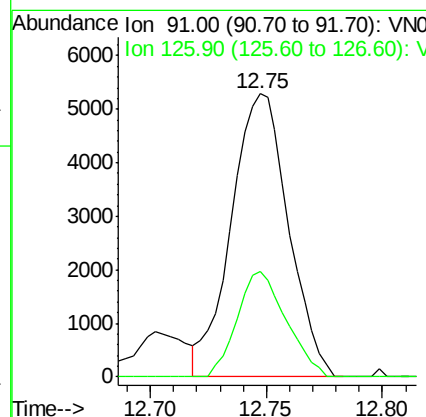
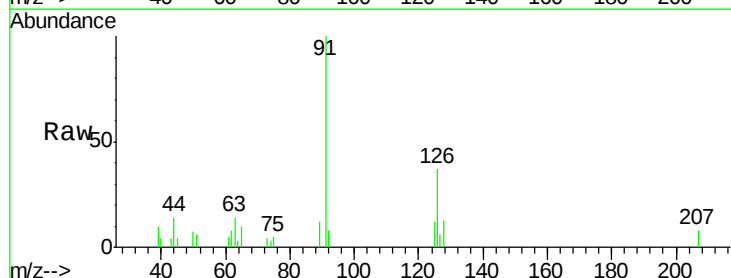
Manual Integrations
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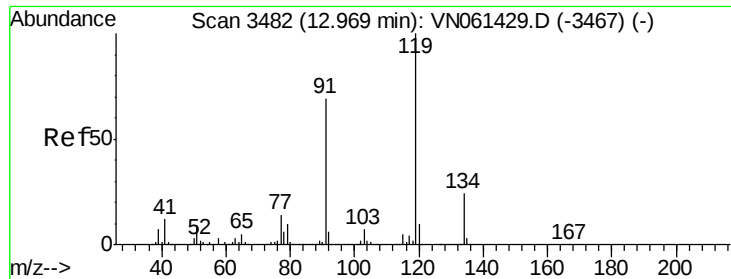
MMDadoda
 5/19/2020 4:25:22 PM



#82
 4-Chlorotoluene
 Concen: 0.899 ug/l
 RT: 12.75 min Scan# 3413
 Delta R.T. -0.00 min
 Lab File: VN061426.D
 Acq: 18 May 2020 10:50

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.8	16.1	48.2





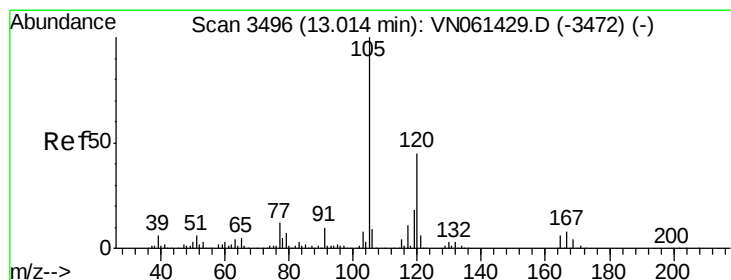
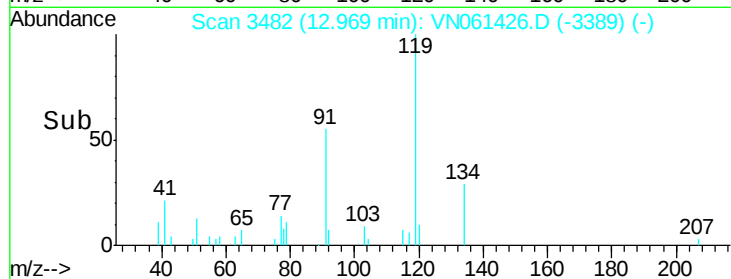
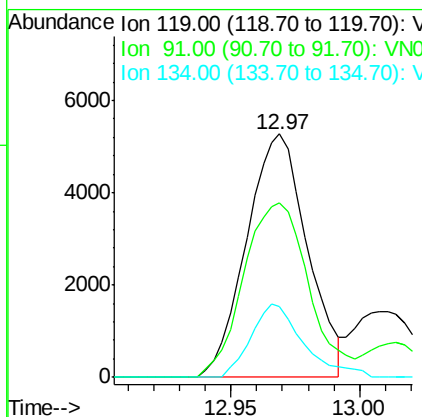
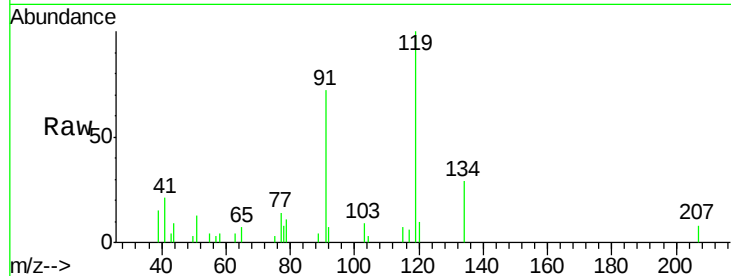
#83
 tert-Butylbenzene
 Concen: 0.866 ug/l
 RT: 12.97 min Scan# 3482
 Delta R.T. -0.00 min
 Lab File: VN061426.D
 Acq: 18 May 2020 10:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
119	100		
91	76.8	33.7	101.0
134	26.0	12.8	38.3

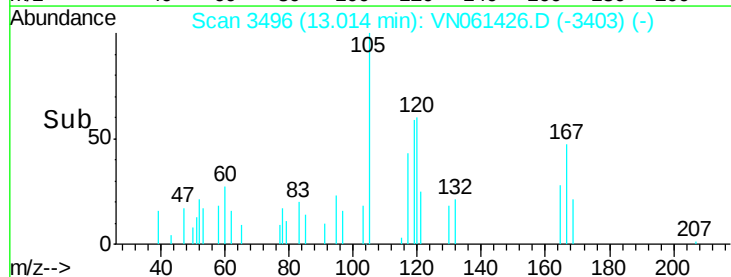
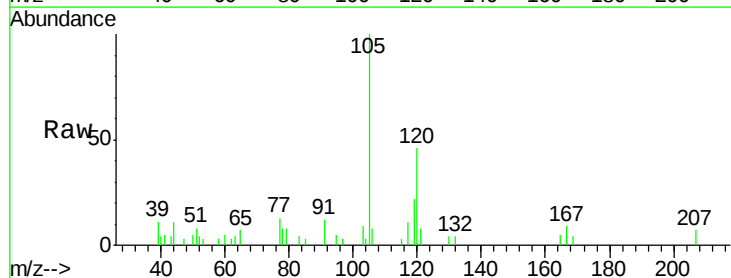
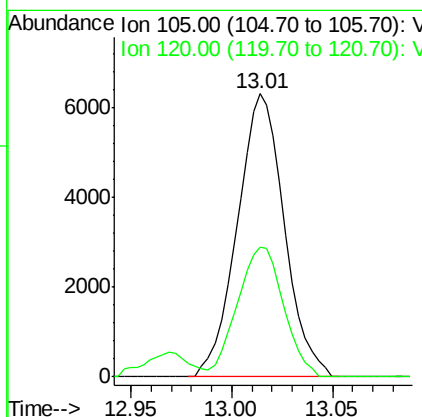
Manual Integrations
 APPROVED

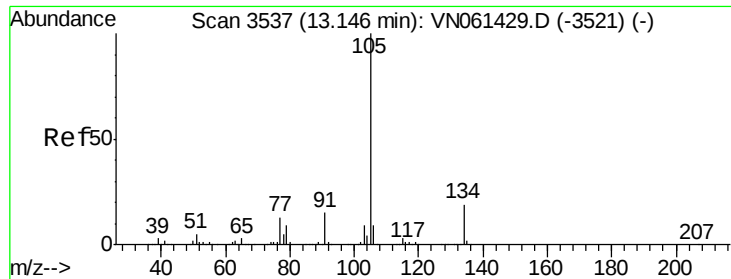
MMDadoda
 5/19/2020 4:25:22 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 0.878 ug/l
 RT: 13.01 min Scan# 3496
 Delta R.T. -0.00 min
 Lab File: VN061426.D
 Acq: 18 May 2020 10:50

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.9	22.4	67.3





#85

sec-Butylbenzene

Concen: 0.855 ug/l

RT: 13.15 min Scan# 3537

Delta R.T. -0.00 min

Lab File: VN061426.D

Acq: 18 May 2020 10:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion:105 Resp: 11547

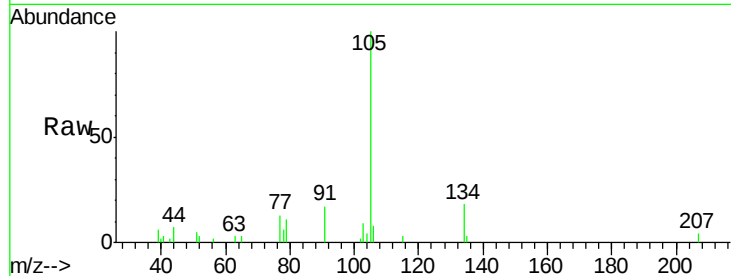
Ion Ratio Lower Upper

105 100

134 18.1 9.8 29.5

Manual Integrations
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.15

8000

6000

4000

2000

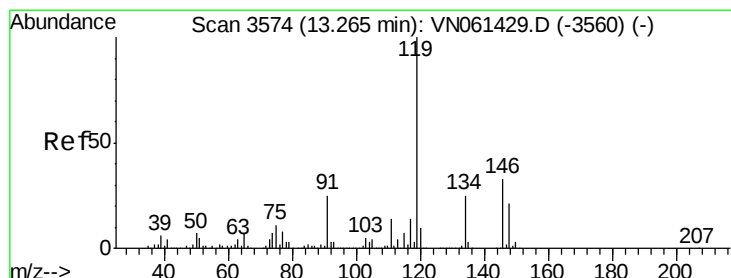
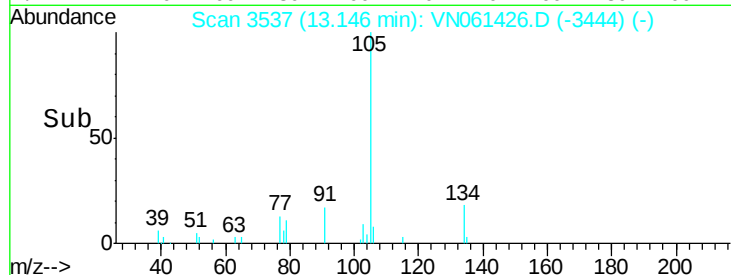
0

Time-->

13.10

13.15

13.20



#86

p-Isopropyltoluene

Concen: 0.855 ug/l

RT: 13.26 min Scan# 3573

Delta R.T. -0.00 min

Lab File: VN061426.D

Acq: 18 May 2020 10:50

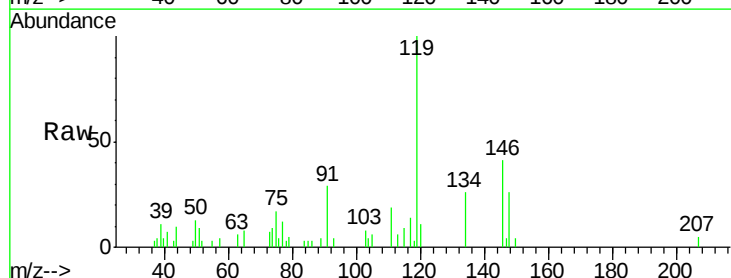
Tgt Ion:119 Resp: 10026

Ion Ratio Lower Upper

119 100

134 25.3 12.7 38.1

91 27.5 12.6 37.6



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.26

8000

6000

4000

2000

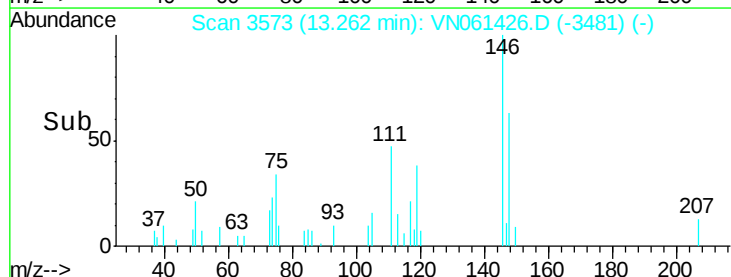
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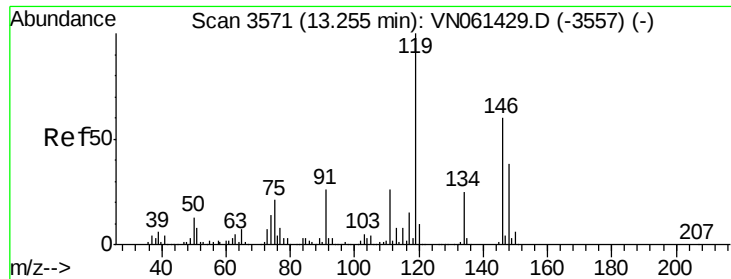
Time-->

13.20

13.25

13.30





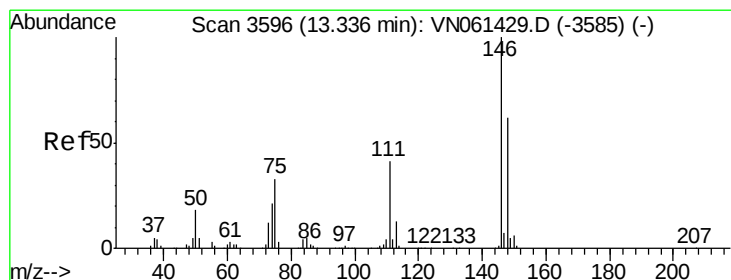
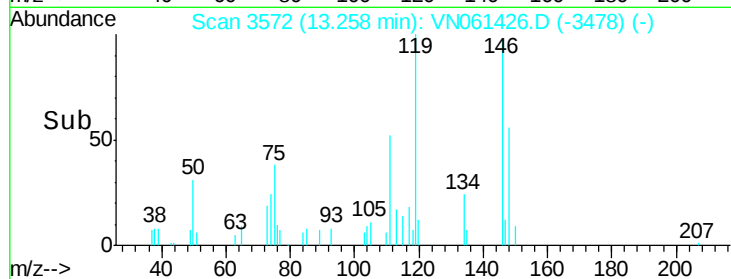
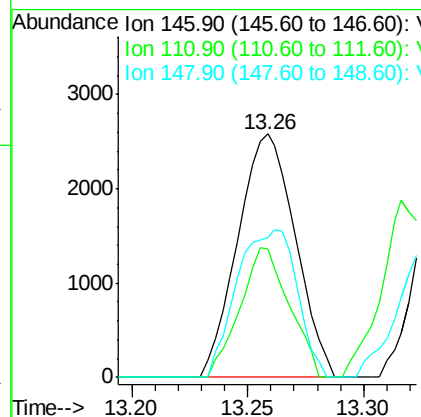
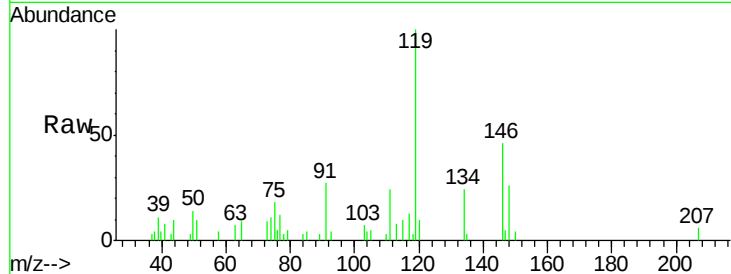
#87
 1,3-Dichlorobenzene
 Concen: 0.799 ug/l
 RT: 13.26 min Scan# 3572
 Delta R.T. 0.00 min
 Lab File: VN061426.D
 Acq: 18 May 2020 10:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
146	100		
111	45.8	21.5	64.5
148	63.1	31.8	95.3

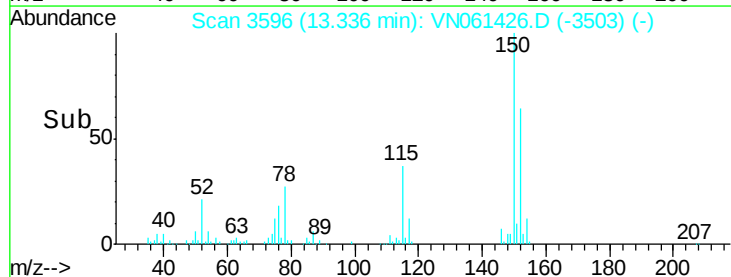
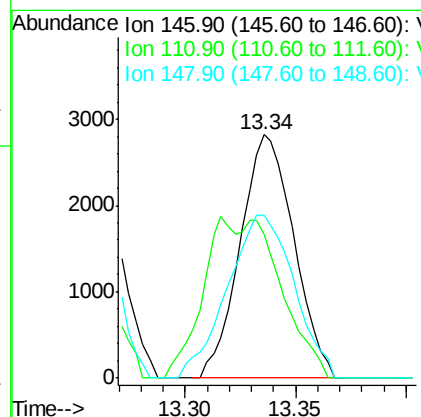
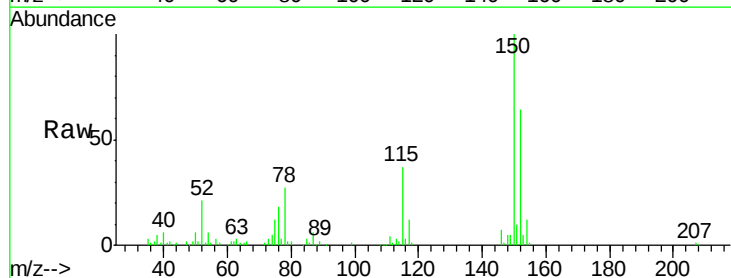
Manual Integrations
 APPROVED

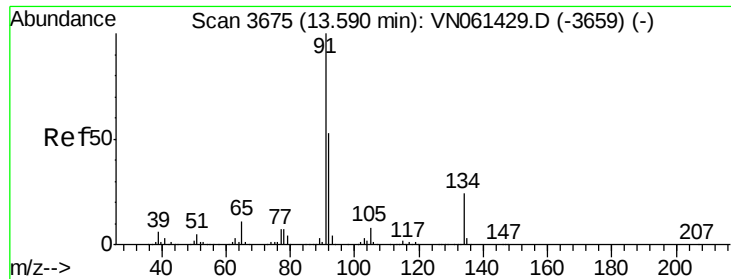
MMDadoda
 5/19/2020 4:25:22 PM



#88
 1,4-Dichlorobenzene
 Concen: 0.833 ug/l
 RT: 13.34 min Scan# 3596
 Delta R.T. -0.00 min
 Lab File: VN061426.D
 Acq: 18 May 2020 10:50

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.0	20.8	62.5
148	83.2	31.6	94.8





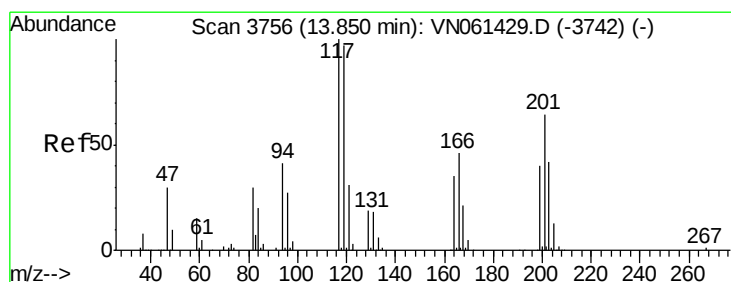
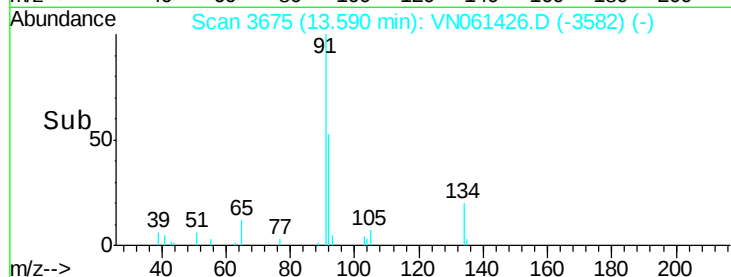
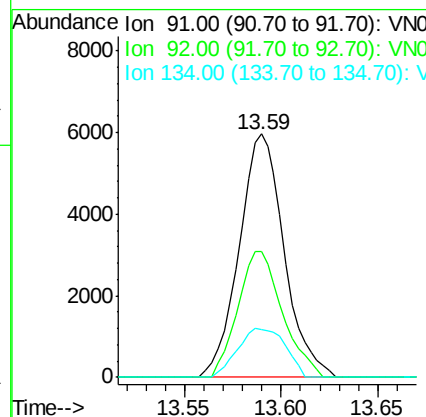
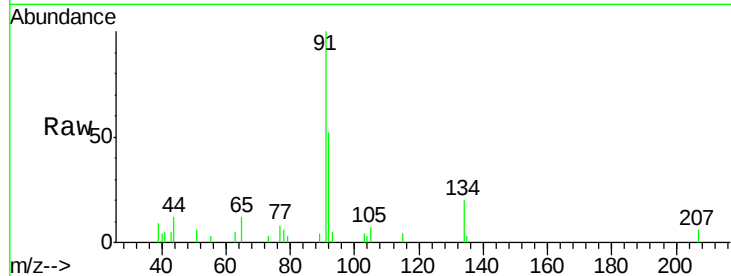
#89
n-Butylbenzene
Concen: 0.905 ug/l
RT: 13.59 min Scan# 3675
Delta R.T. -0.00 min
Lab File: VN061426.D
Acq: 18 May 2020 10:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.1	26.8	80.3
134	21.3	12.4	37.4

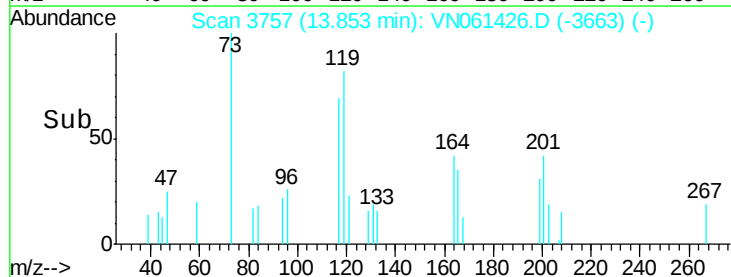
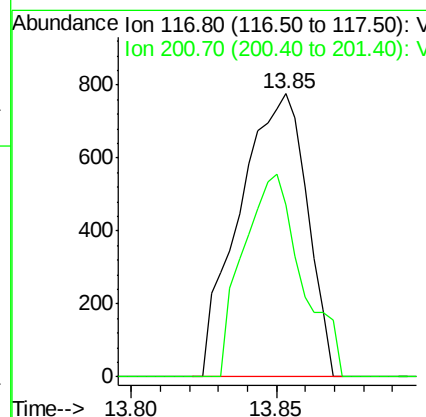
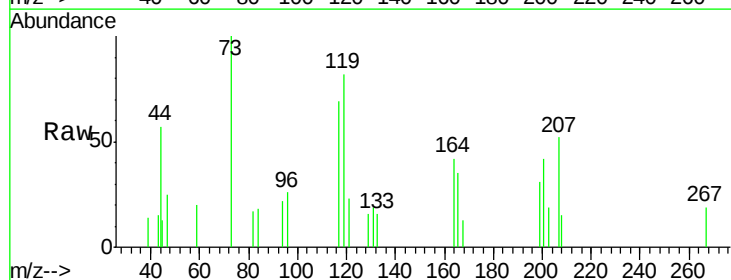
Manual Integrations
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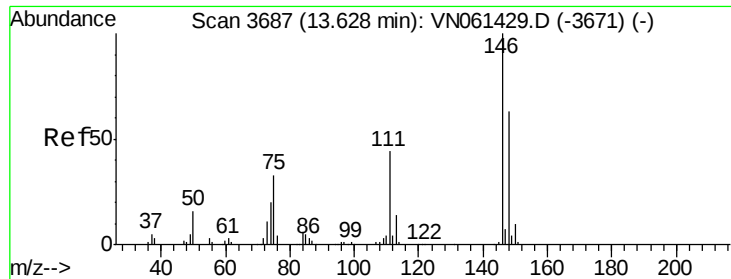
MMDadoda
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#90
Hexachloroethane
Concen: 0.777 ug/l
RT: 13.85 min Scan# 3757
Delta R.T. 0.00 min
Lab File: VN061426.D
Acq: 18 May 2020 10:50

Tgt Ion	Ratio	Lower	Upper
117	100		
201	62.1	32.9	98.7





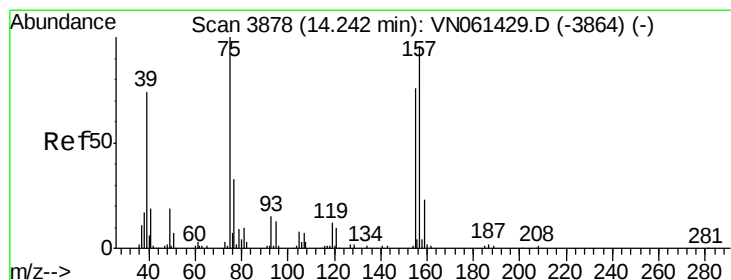
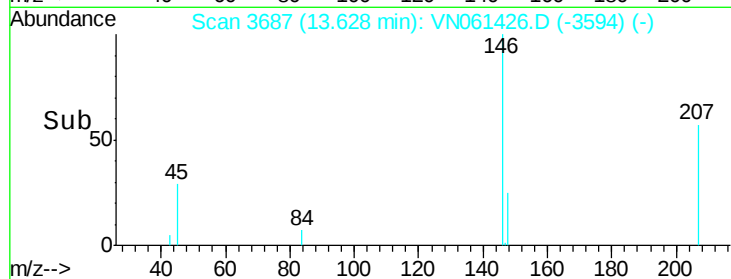
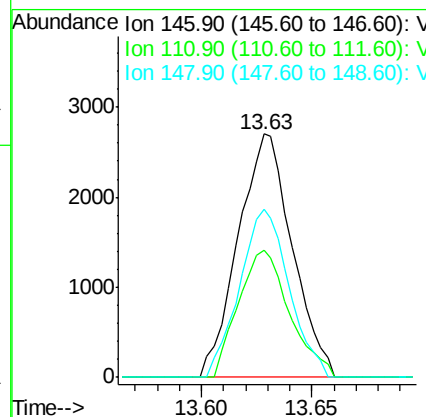
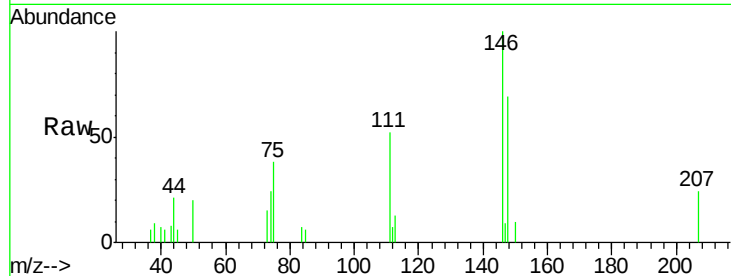
#91
 1,2-Dichlorobenzene
 Concen: 0.864 ug/l
 RT: 13.63 min Scan# 3687
 Delta R.T. -0.00 min
 Lab File: VN061426.D
 Acq: 18 May 2020 10:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
146	100		
111	49.7	21.9	65.7
148	63.1	31.6	94.7

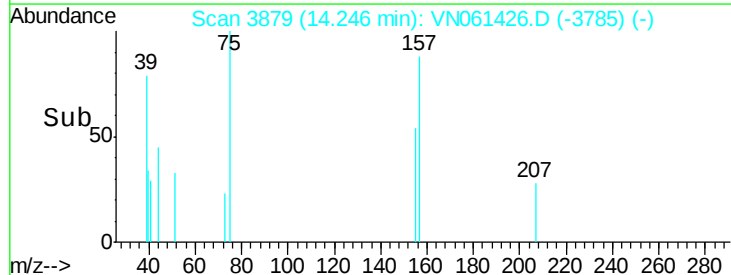
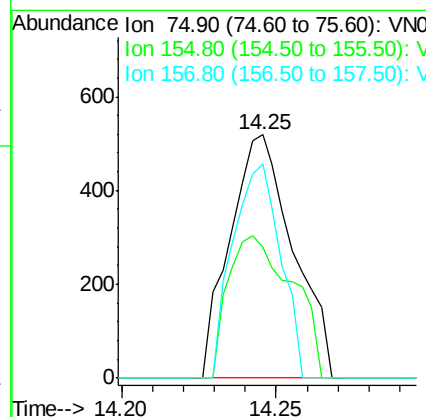
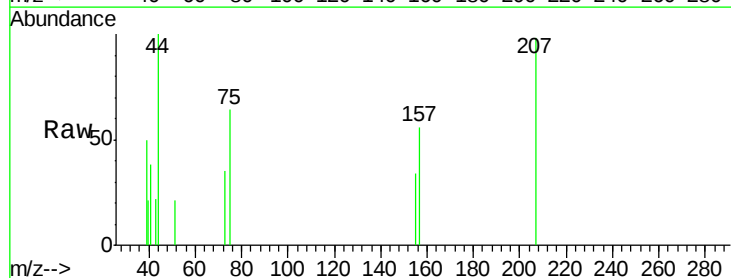
Manual Integrations
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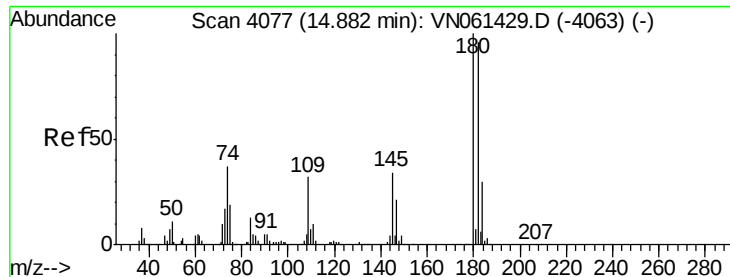
MMDadoda
 5/19/2020 4:25:22 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.959 ug/l
 RT: 14.25 min Scan# 3879
 Delta R.T. 0.00 min
 Lab File: VN061426.D
 Acq: 18 May 2020 10:50

Tgt Ion	Ratio	Lower	Upper
75	100		
155	59.7	38.9	116.7
157	66.5	48.6	145.8





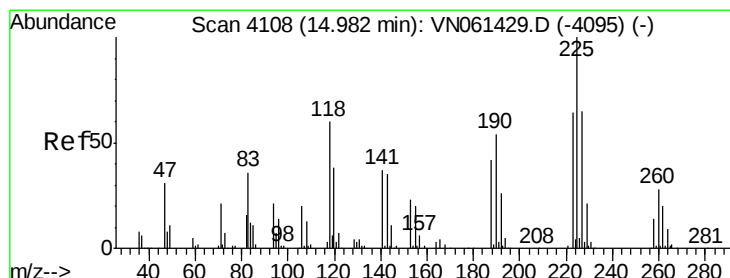
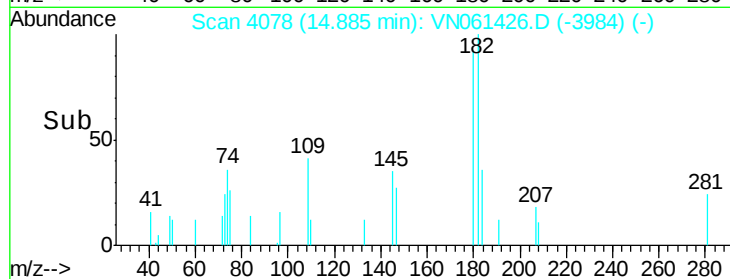
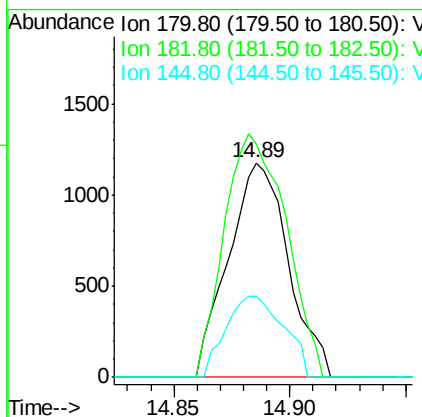
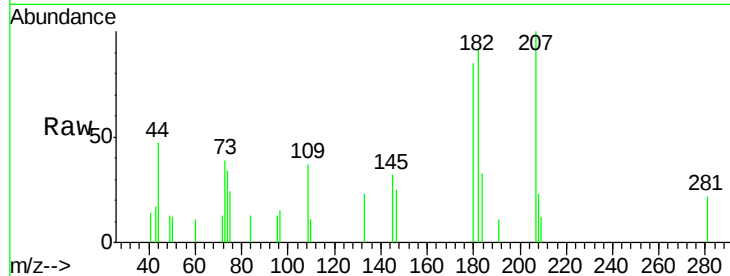
#93
 1,2,4-Trichlorobenzene
 Concen: 0.723 ug/l
 RT: 14.89 min Scan# 4078
 Delta R.T. 0.00 min
 Lab File: VN061426.D
 Acq: 18 May 2020 10:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
180	100		
182	117.3	47.0	141.0
145	36.5	16.7	50.0

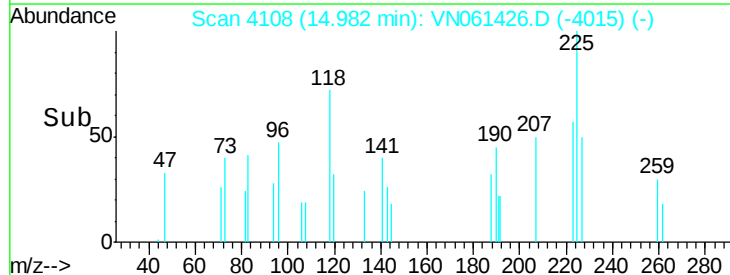
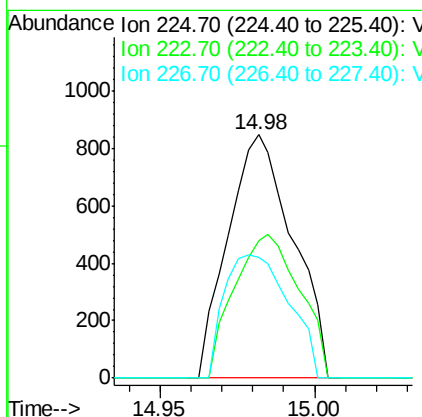
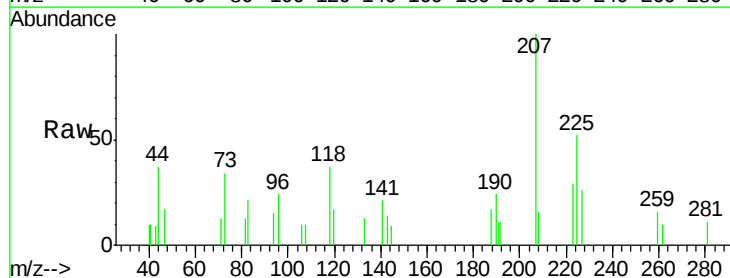
Manual Integrations
 APPROVED

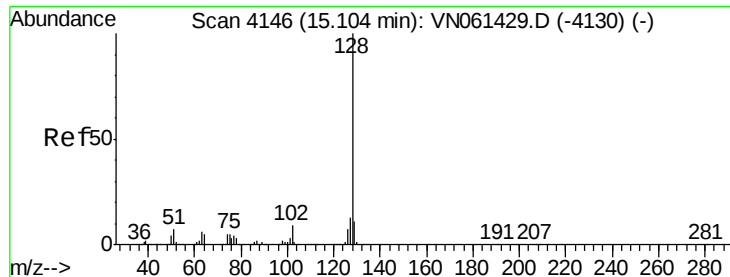
MMDadoda
 5/19/2020 4:25:22 PM



#94
 Hexachlorobutadiene
 Concen: 1.099 ug/l
 RT: 14.98 min Scan# 4108
 Delta R.T. -0.00 min
 Lab File: VN061426.D
 Acq: 18 May 2020 10:50

Tgt Ion	Ratio	Lower	Upper
225	100		
223	59.6	31.9	95.7
227	50.6	31.5	94.5





#95

Naphthalene

Concen: 0.716 ug/l

RT: 15.11 min Scan# 4147

Delta R.T. 0.00 min

Lab File: VN061426.D

Acq: 18 May 2020 10:50

Instrument :

MSVOA_N

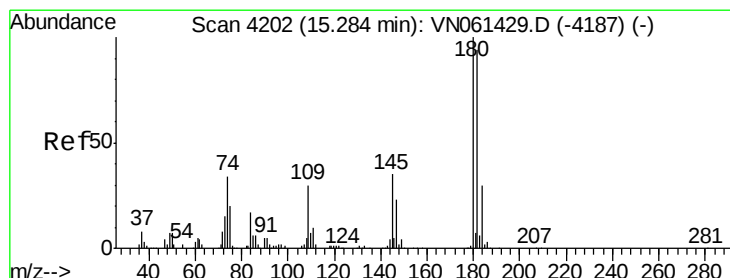
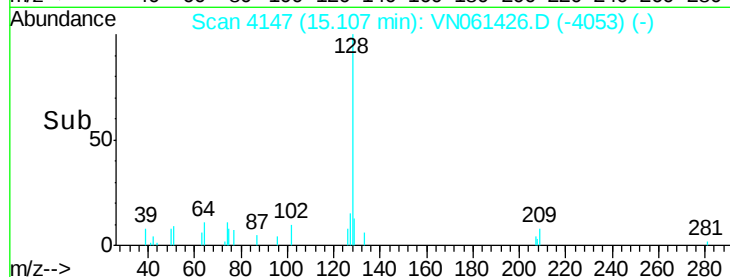
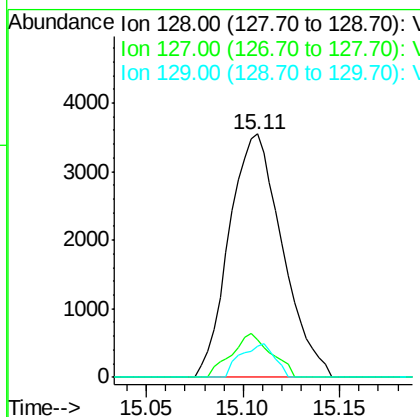
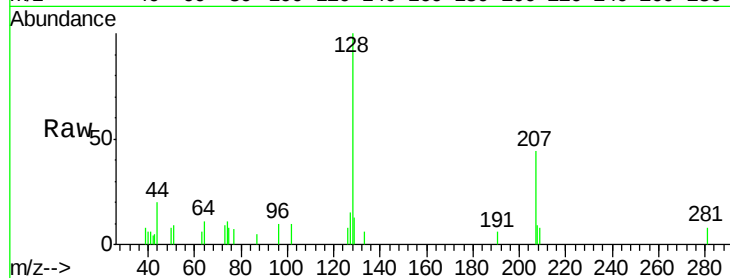
ClientSampleId :

VSTDIC001

Tot Ion:	128	Resp:	6767
Ion Ratio	Lower	Upper	
128	100		
127	13.5	10.1	15.1
129	8.8	8.6	13.0

Manual Integrations
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#96

1,2,3-Trichlorobenzene

Concen: 0.794 ug/l

RT: 15.29 min Scan# 4203

Delta R.T. 0.00 min

Lab File: VN061426.D

Acq: 18 May 2020 10:50

Tgt Ion:	180	Resp:	2314
Ion Ratio	Lower	Upper	
180	100		
182	83.3	47.8	143.3
145	29.3	17.3	51.9

