

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN052020\
 Data File : VN061501.D
 Acq On : 20 May 2020 15:23
 Operator : JC/MD
 Sample : VN0520WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0520WBS01

Manual Integrations
 APPROVED

MMDadoda
 5/21/2020 1:16:14 PM

Quant Time: May 21 01:35:55 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N051820W.M
 Quant Title : SW846 8260
 QLast Update : Mon May 18 13:09:55 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	323389	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	569356	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	538963	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	254646	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	215767	44.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.42%	
35) Dibromofluoromethane	7.54	113	153049	51.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.62%	
50) Toluene-d8	10.06	98	679813	49.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.28%	
62) 4-Bromofluorobenzene	12.37	95	255033	49.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.68%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	54642	20.321	ug/l	100
3) Chloromethane	2.03	50	78244	17.840	ug/l	99
4) Vinyl Chloride	2.16	62	117528	18.724	ug/l	100
5) Bromomethane	2.54	94	68646	19.166	ug/l	98
6) Chloroethane	2.67	64	75917	17.969	ug/l	99
7) Trichlorofluoromethane	2.98	101	159167	20.887	ug/l	96
8) Diethyl Ether	3.37	74	42625	19.203	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	3.71	101	65855	20.781	ug/l	97
10) Methyl Iodide	3.91	142	81389	21.146	ug/l	98
11) Tert butyl alcohol	4.73	59	66826	120.166	ug/l	100
12) 1,1-Dichloroethene	3.69	96	65070	19.630	ug/l	88
13) Acrolein	3.56	56	23153	42.345	ug/l	97
14) Allyl chloride	4.27	41	96578	17.903	ug/l	96
15) Acrylonitrile	4.92	53	152495	92.557	ug/l	98
16) Acetone	3.77	43	135302	102.844	ug/l	99
17) Carbon Disulfide	4.01	76	141372	17.817	ug/l	100
18) Methyl Acetate	4.27	43	62879	18.319	ug/l	97
19) Methyl tert-butyl Ether	4.99	73	245849	19.544	ug/l	97
20) Methylene Chloride	4.50	84	74895	18.881	ug/l	94
21) trans-1,2-Dichloroethene	4.98	96	74414	19.468	ug/l	97
22) Diisopropyl ether	5.90	45	216190	17.834	ug/l	96
23) Vinyl Acetate	5.84	43	878951	91.178	ug/l	96
24) 1,1-Dichloroethane	5.79	63	132326	18.715	ug/l	98
25) 2-Butanone	6.78	43	209397	95.288	ug/l	96
26) 2,2-Dichloropropane	6.77	77	130852	19.413	ug/l	99
27) cis-1,2-Dichloroethene	6.78	96	91529	20.272	ug/l	94
28) Bromochloromethane	7.15	49	54786	18.254	ug/l	91
29) Tetrahydrofuran	7.17	42	134622	92.501	ug/l	95
30) Chloroform	7.33	83	148534	20.113	ug/l	99
31) Cyclohexane	7.61	56	116781	16.787	ug/l	94
32) 1,1,1-Trichloroethane	7.53	97	133762	19.821	ug/l	99
36) 1,1-Dichloropropene	7.75	75	109474	20.563	ug/l	98
37) Ethyl Acetate	6.88	43	87564	18.137	ug/l	97
38) Carbon Tetrachloride	7.73	117	103775	21.169	ug/l	98

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	121591	18.699	ug/l	95
40) Benzene	8.00	78	323664	20.174	ug/l	98
41) Methacrylonitrile	7.13	41	46712	22.907	ug/l #	89
42) 1,2-Dichloroethane	8.08	62	113669	19.665	ug/l	100
43) Isopropyl Acetate	8.12	43	160527	19.063	ug/l	92
44) Trichloroethene	8.80	130	92101	21.909	ug/l	99
45) 1,2-Dichloropropane	9.08	63	80423	20.027	ug/l	100
46) Dibromomethane	9.17	93	58046	20.619	ug/l	96
47) Bromodichloromethane	9.37	83	119687	20.179	ug/l	96
48) Methyl methacrylate	9.17	41	68977	17.732	ug/l	95
49) 1,4-Dioxane	9.16	88	28058	673.449	ug/l	91
51) 4-Methyl-2-Pentanone	9.95	43	453607	98.885	ug/l	99
52) Toluene	10.12	92	217509	21.117	ug/l	99
53) t-1,3-Dichloropropene	10.35	75	130431	20.063	ug/l	98
54) cis-1,3-Dichloropropene	9.81	75	137525	19.900	ug/l	96
55) 1,1,2-Trichloroethane	10.53	97	83435	21.426	ug/l	99
56) Ethyl methacrylate	10.40	69	126336	20.751	ug/l	94
57) 1,3-Dichloropropane	10.68	76	140529	20.881	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.66	63	249844	93.495	ug/l	96
59) 2-Hexanone	10.72	43	325117	97.962	ug/l	98
60) Dibromochloromethane	10.87	129	93779	21.771	ug/l	98
61) 1,2-Dibromoethane	10.98	107	89755	21.921	ug/l	98
64) Tetrachloroethene	10.60	164	87805	21.058	ug/l	98
65) Chlorobenzene	11.40	112	231733	21.084	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.48	131	85048	21.585	ug/l	99
67) Ethyl Benzene	11.48	91	417048	20.788	ug/l	97
68) m/p-Xylenes	11.59	106	323170	42.438	ug/l	97
69) o-Xylene	11.92	106	156572	21.247	ug/l	95
70) Styrene	11.94	104	258839	21.211	ug/l	98
71) Bromoform	12.10	173	59159	20.548	ug/l #	98
73) Isopropylbenzene	12.22	105	408599	19.987	ug/l	98
74) N-amyl acetate	12.04	43	135744	18.141	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.48	83	113286	20.142	ug/l	100
76) 1,2,3-Trichloropropane	12.53	75	105281m	19.268	ug/l	
77) Bromobenzene	12.50	156	95689	21.568	ug/l	91
78) n-propylbenzene	12.56	91	456208	19.586	ug/l	98
79) 2-Chlorotoluene	12.65	91	269994	19.611	ug/l	98
80) 1,3,5-Trimethylbenzene	12.71	105	340819	20.361	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.27	75	36483	17.712	ug/l	97
82) 4-Chlorotoluene	12.75	91	287543	20.170	ug/l	98
83) tert-Butylbenzene	12.97	119	281817	19.656	ug/l	99
84) 1,2,4-Trimethylbenzene	13.01	105	338941	20.233	ug/l	98
85) sec-Butylbenzene	13.15	105	375535	19.370	ug/l	99
86) p-Isopropyltoluene	13.26	119	340975	19.806	ug/l	98
87) 1,3-Dichlorobenzene	13.26	146	171215	21.087	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	171871	21.136	ug/l	99
89) n-Butylbenzene	13.59	91	290419	18.568	ug/l	99
90) Hexachloroethane	13.85	117	45657	19.568	ug/l	97
91) 1,2-Dichlorobenzene	13.63	146	166847	21.422	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.24	75	22475	19.782	ug/l	93

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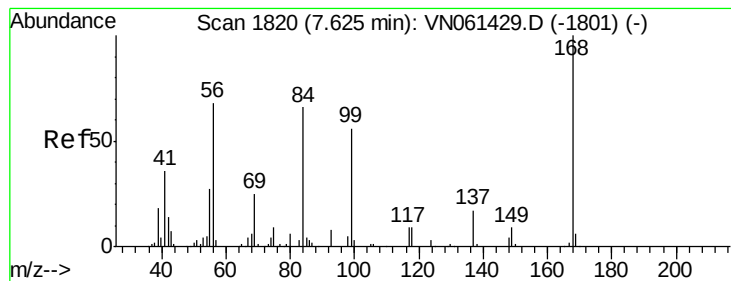
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	87546	20.730	ug/l	100
94) Hexachlorobutadiene	14.98	225	35736	19.045	ug/l	98
95) Naphthalene	15.10	128	286692	21.354	ug/l	100
96) 1,2,3-Trichlorobenzene	15.28	180	86806	20.648	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1819

Delta R.T. -0.00 min

Lab File: VN061501.D

Acq: 20 May 2020 15:23

Instrument :

MSVOA_N

ClientSampleId :

VN0520WBS01

Tot Ion:168 Resp: 323389

Ion Ratio Lower Upper

168 100

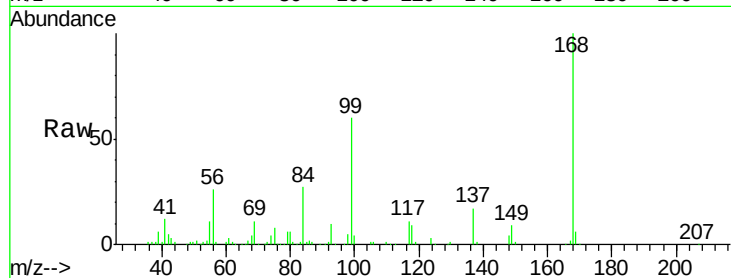
99 60.2 51.1 76.7

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.62

150000

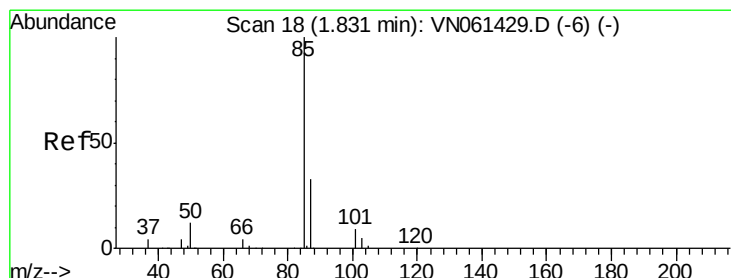
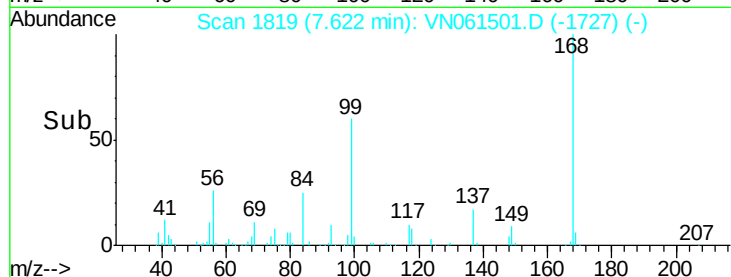
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50000

0

7.50 7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 20.321 ug/l

RT: 1.83 min Scan# 18

Delta R.T. -0.00 min

Lab File: VN061501.D

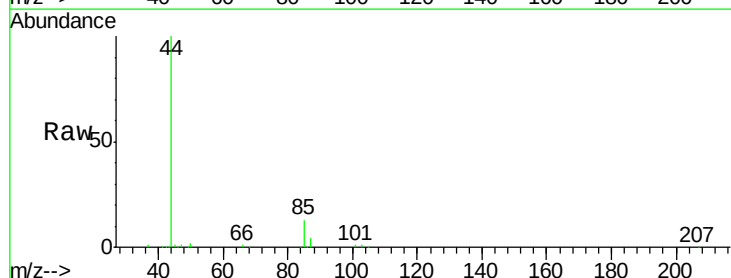
Acq: 20 May 2020 15:23

Tgt Ion: 85 Resp: 54642

Ion Ratio Lower Upper

85 100

87 32.3 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

40000

30000

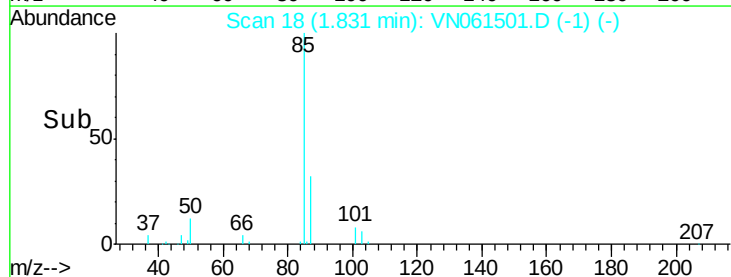
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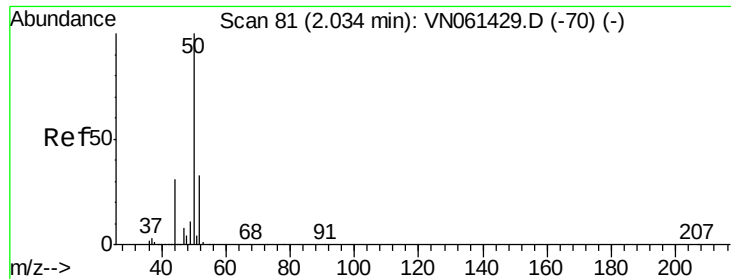
10000

0

1.80 1.85 1.90

Time-->





#3

Chloromethane

Concen: 17.840 ug/l

RT: 2.03 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN061501.D

Acq: 20 May 2020 15:23

Instrument :

MSVOA_N

ClientSampleId :

VN0520WBS01

Tot Ion: 50 Resp: 78244

Ion Ratio Lower Upper

50 100

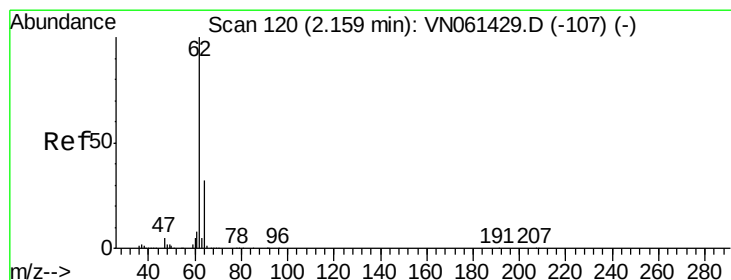
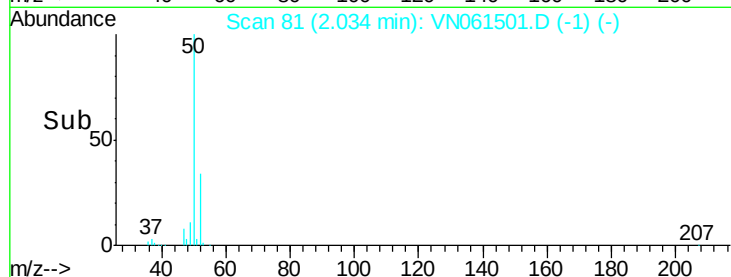
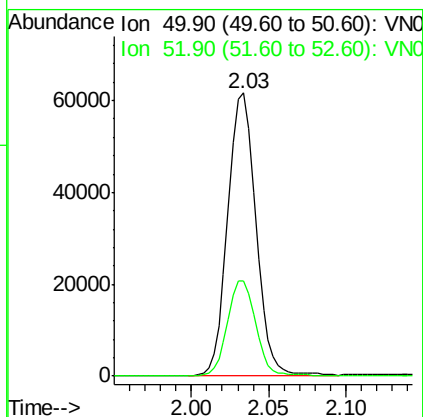
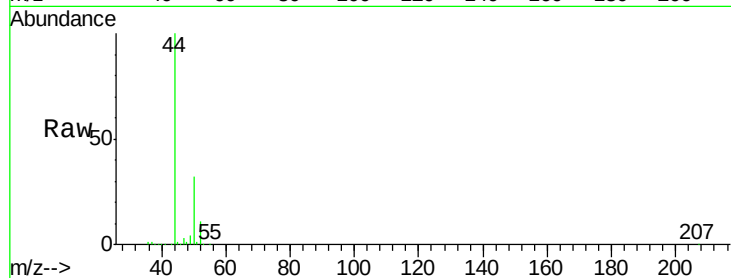
52 33.8 26.7 40.1

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#4

Vinyl Chloride

Concen: 18.724 ug/l

RT: 2.16 min Scan# 119

Delta R.T. -0.00 min

Lab File: VN061501.D

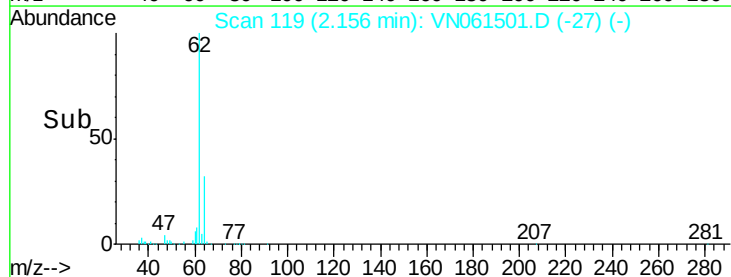
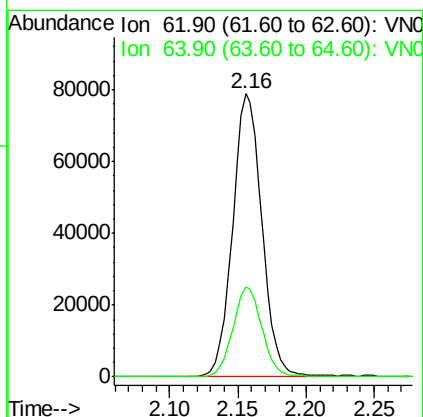
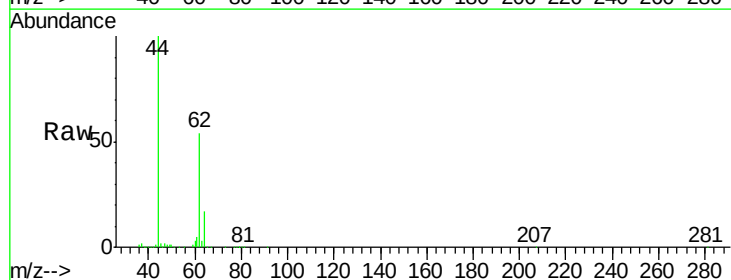
Acq: 20 May 2020 15:23

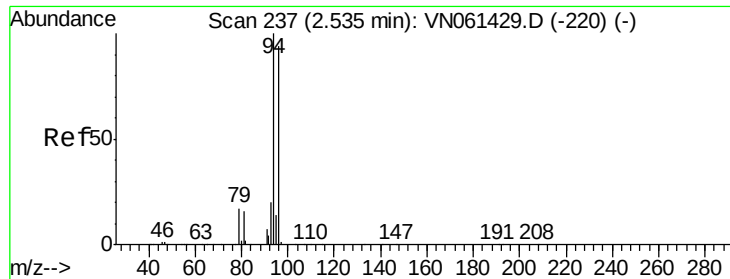
Tgt Ion: 62 Resp: 117528

Ion Ratio Lower Upper

62 100

64 31.8 25.3 37.9





#5

Bromomethane

Concen: 19.166 ug/l

RT: 2.54 min Scan# 237

Delta R.T. 0.00 min

Lab File: VN061501.D

Acq: 20 May 2020 15:23

Instrument :

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ClientSampleId :

VN0520WBS01

Tot Ion: 94 Resp: 68646

Ion Ratio Lower Upper

94 100

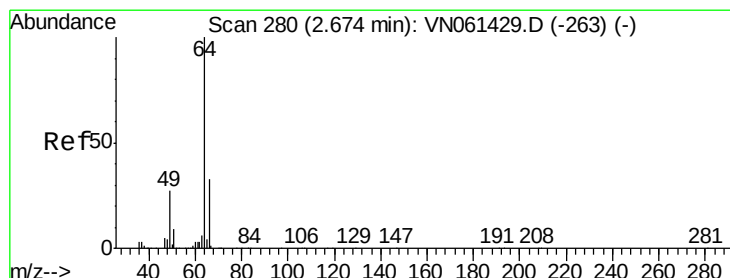
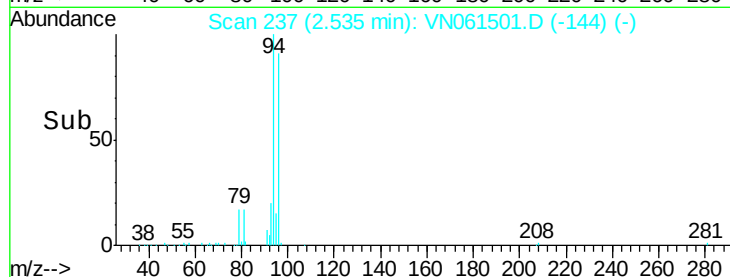
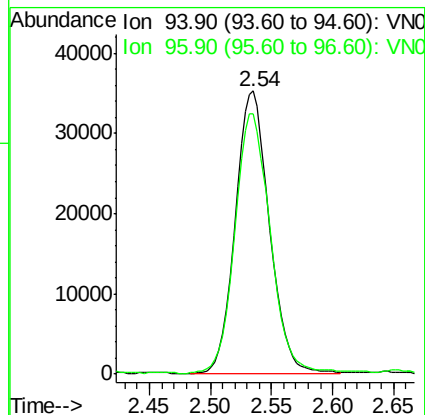
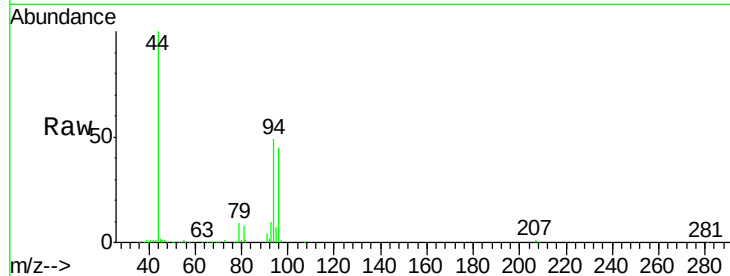
96 91.3 74.9 112.3

Manual Integrations

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#6

Chloroethane

Concen: 17.969 ug/l

RT: 2.67 min Scan# 279

Delta R.T. -0.00 min

Lab File: VN061501.D

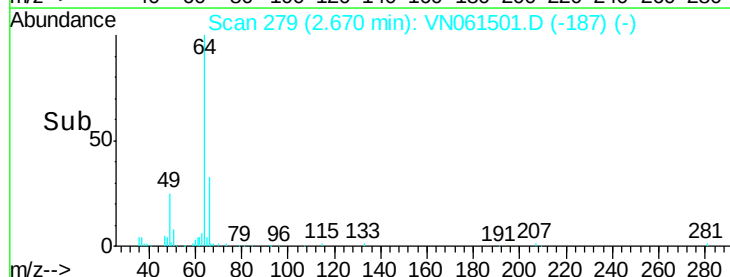
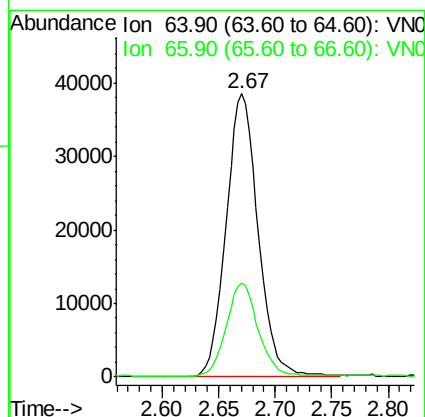
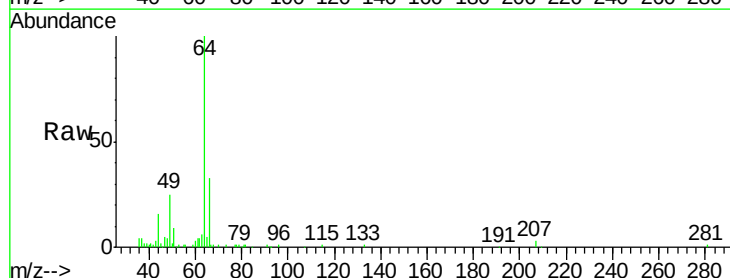
Acq: 20 May 2020 15:23

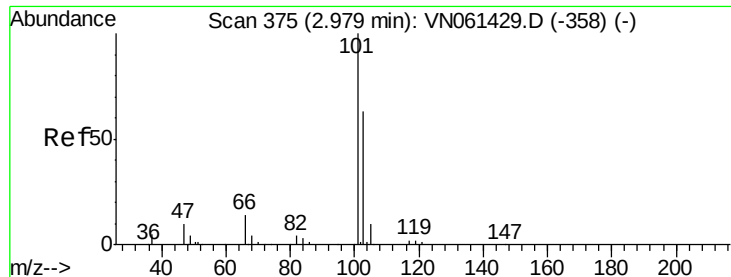
Tgt Ion: 64 Resp: 75917

Ion Ratio Lower Upper

64 100

66 33.2 26.3 39.5





#7

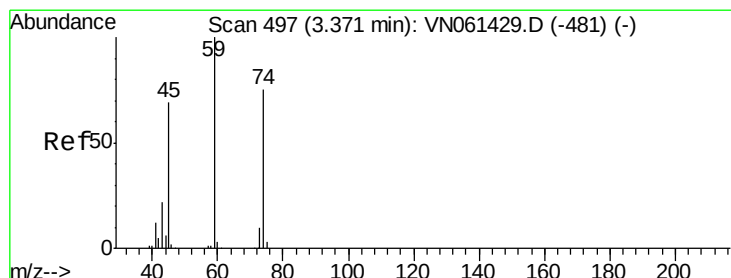
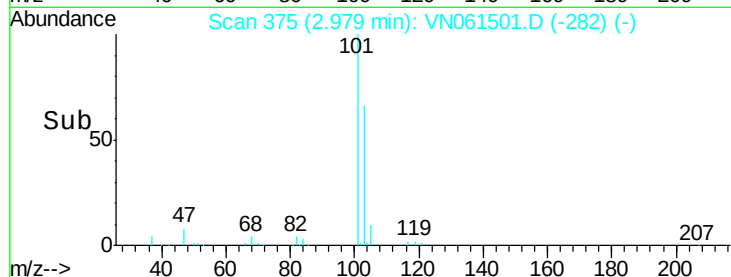
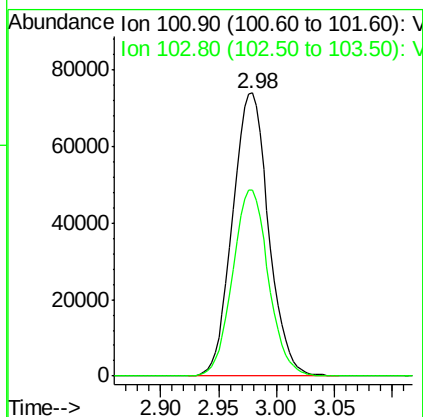
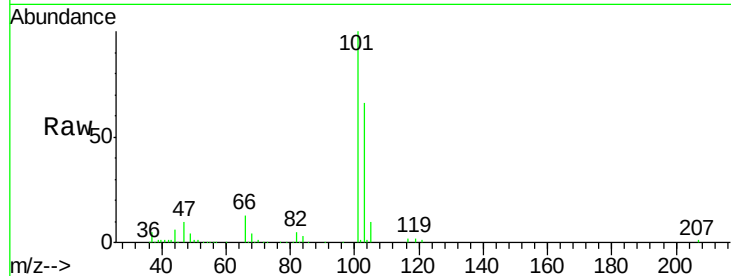
Trichlorofluoromethane
 Concen: 20.887 ug/l
 RT: 2.98 min Scan# 375
 Delta R.T. -0.00 min
 Lab File: VN061501.D
 Acq: 20 May 2020 15:23

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 ClientSampleId :
 VN0520WBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.6	50.2	75.4

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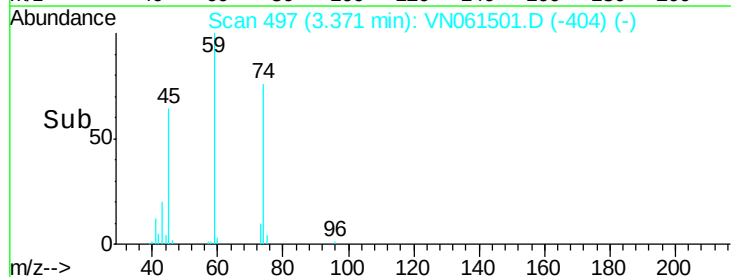
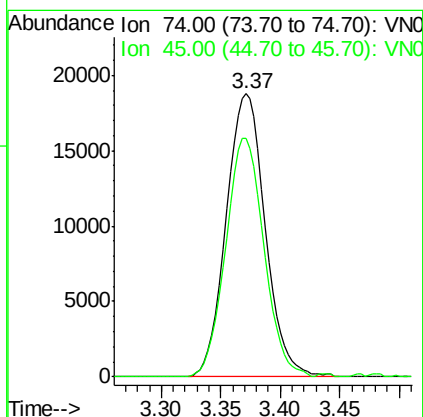
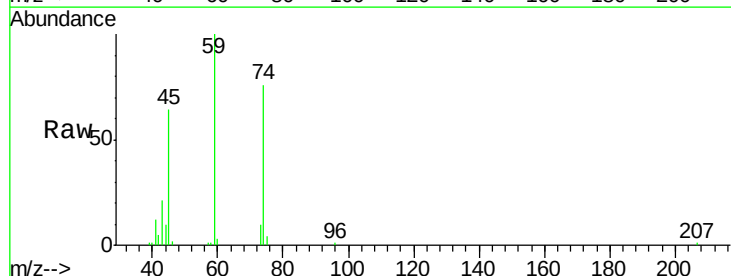
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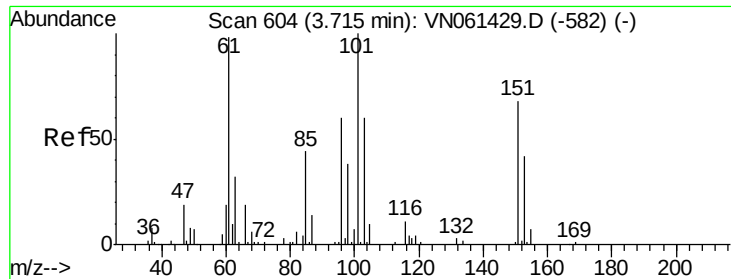


#8

Diethyl Ether
 Concen: 19.203 ug/l
 RT: 3.37 min Scan# 497
 Delta R.T. -0.00 min
 Lab File: VN061501.D
 Acq: 20 May 2020 15:23

Tgt Ion	Ratio	Lower	Upper
74	100		
45	82.9	45.7	137.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.781 ug/l

RT: 3.71 min Scan# 603

Delta R.T. -0.00 min

Lab File: VN061501.D

Acq: 20 May 2020 15:23

Instrument :

MSVOA_N

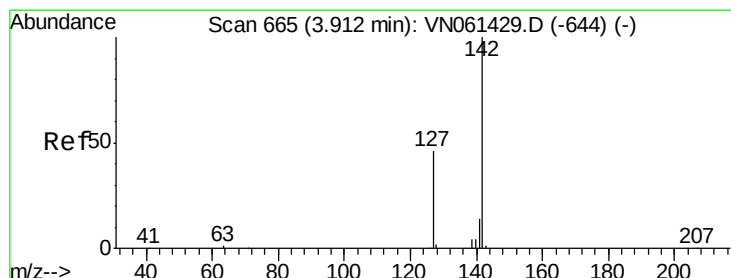
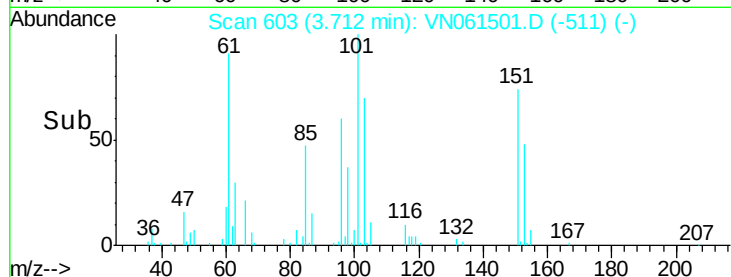
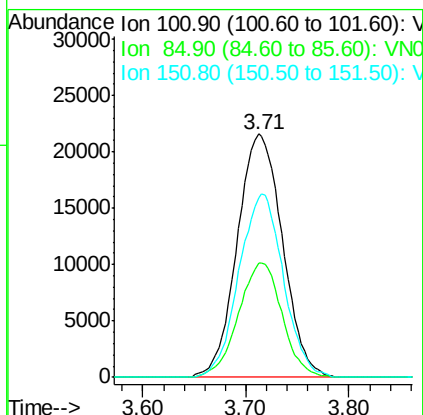
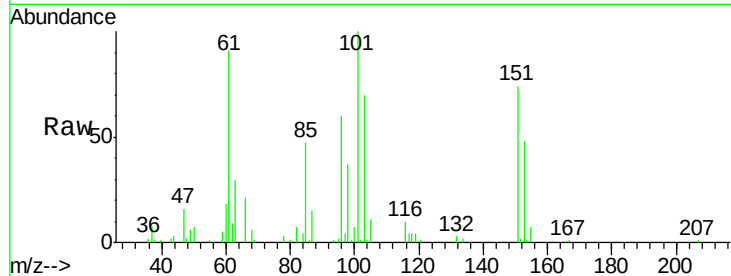
ClientSampleId :

VN0520WBS01

Tot Ion:	101	Resp:	65855
Ion Ratio	Lower	Upper	
101	100		
85	45.3	36.6	55.0
151	73.9	56.3	84.5

Manual Integrations
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#10

Methyl Iodide

Concen: 21.146 ug/l

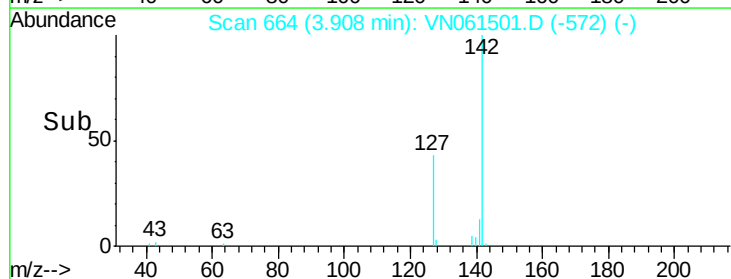
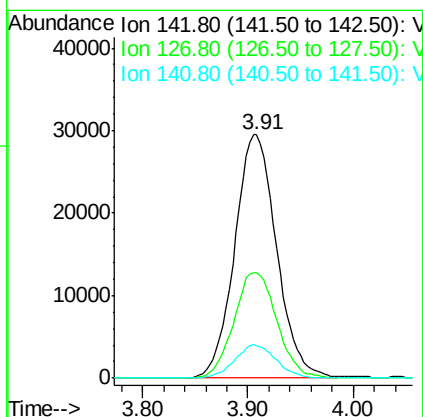
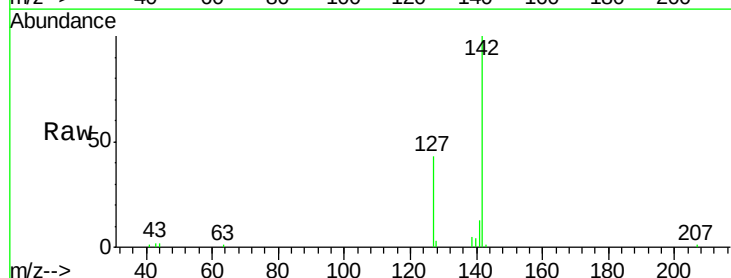
RT: 3.91 min Scan# 664

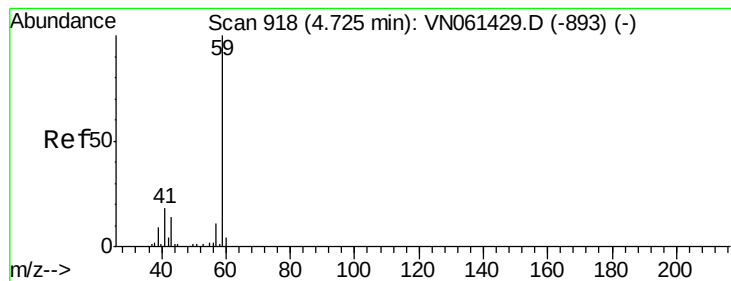
Delta R.T. -0.00 min

Lab File: VN061501.D

Acq: 20 May 2020 15:23

Tgt Ion:	142	Resp:	81389
Ion Ratio	Lower	Upper	
142	100		
127	44.4	36.7	55.1
141	13.4	11.5	17.3





#11

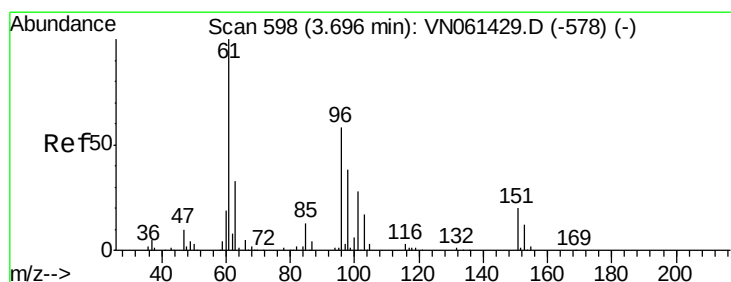
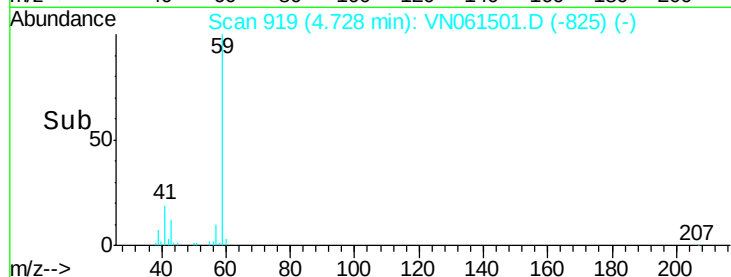
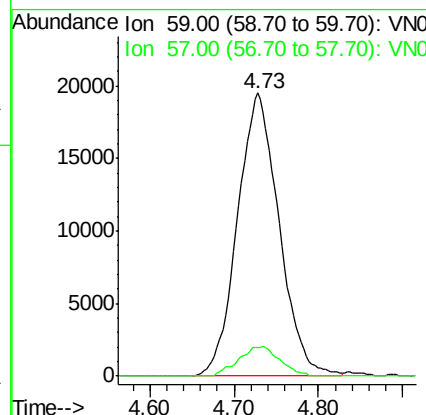
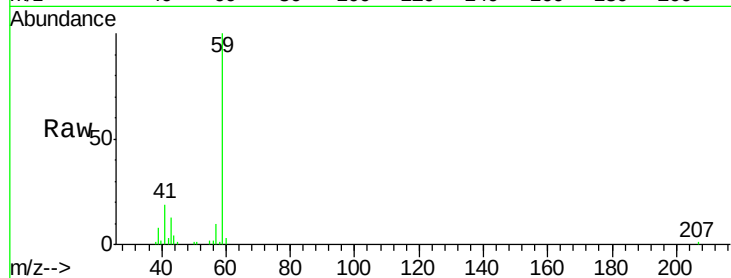
Tert butyl alcohol
Concen: 120.166 ug/l
RT: 4.73 min Scan# 919
Delta R.T. 0.00 min
Lab File: VN061501.D
Acq: 20 May 2020 15:23

Instrument :
MSVOA_N
ClientSampleId :
VN0520WBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.3	8.2	12.2

Manual Integrations
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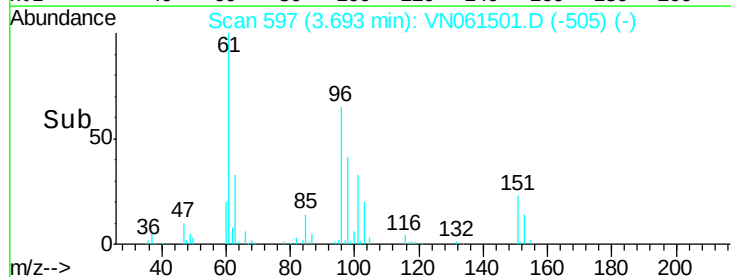
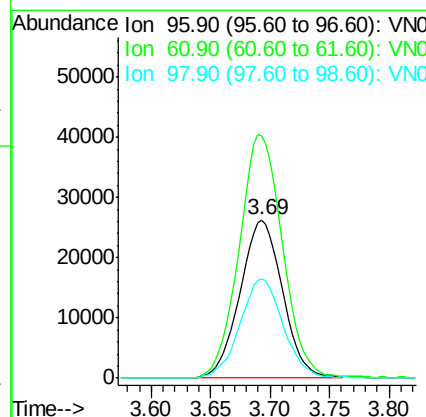
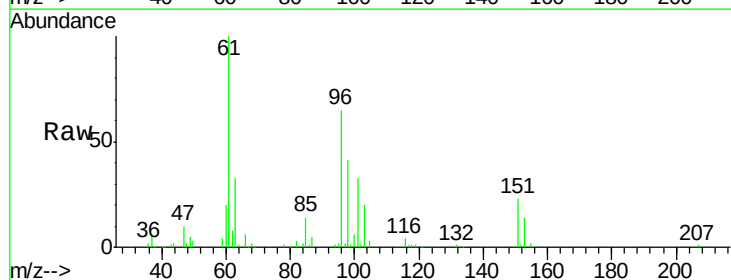
MMDadoda
5/21/2020 1:16:14 PM

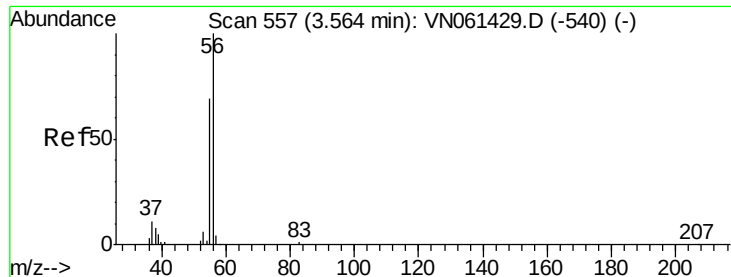


#12

1,1-Dichloroethene
Concen: 19.630 ug/l
RT: 3.69 min Scan# 597
Delta R.T. -0.00 min
Lab File: VN061501.D
Acq: 20 May 2020 15:23

Tgt Ion	Ratio	Lower	Upper
96	100		
61	153.0	138.7	208.1
98	62.7	53.0	79.6





#13

Acrolein

Concen: 42.345 ug/l

RT: 3.56 min Scan# 556

Delta R.T. -0.00 min

Lab File: VN061501.D

Acq: 20 May 2020 15:23

Instrument :

MSVOA_N

ClientSampleId :

VN0520WBS01

Tot Ion: 56 Resp: 23153

Ion Ratio Lower Upper

56 100

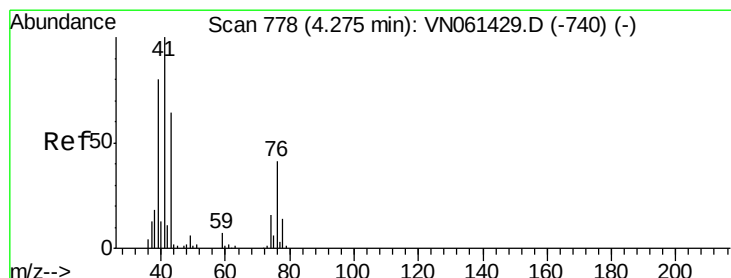
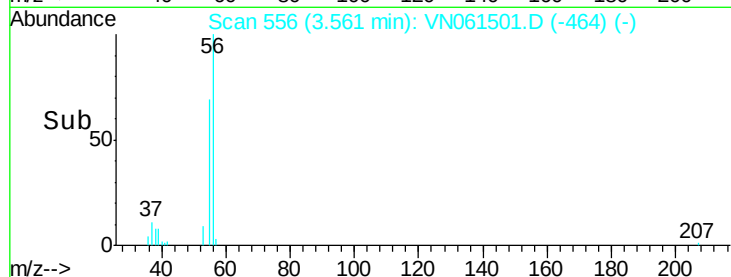
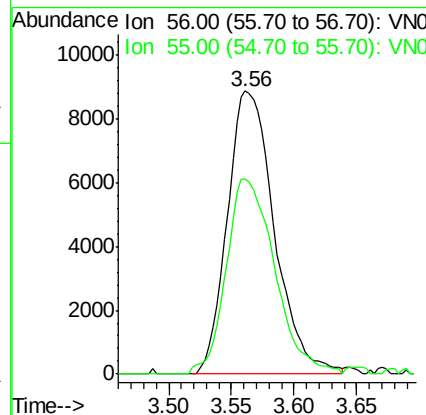
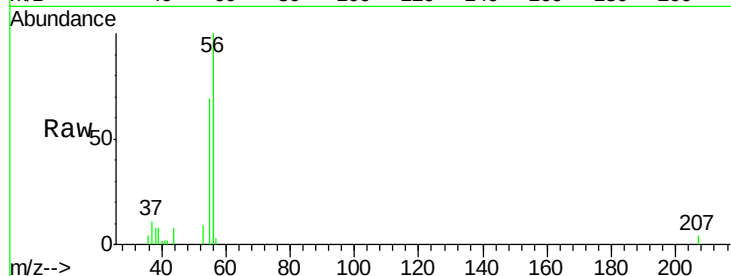
55 71.0 54.8 82.2

Manual Integrations

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#14

Allyl chloride

Concen: 17.903 ug/l

RT: 4.27 min Scan# 777

Delta R.T. -0.00 min

Lab File: VN061501.D

Acq: 20 May 2020 15:23

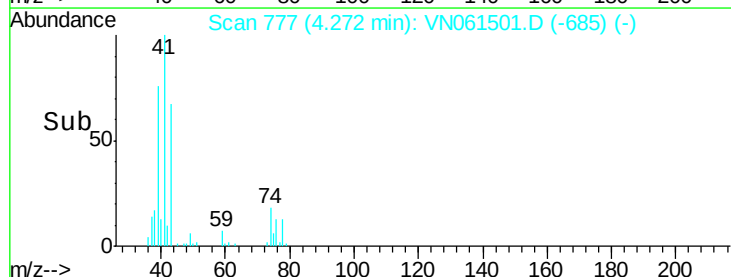
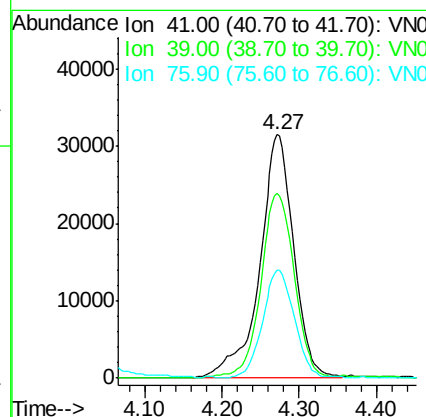
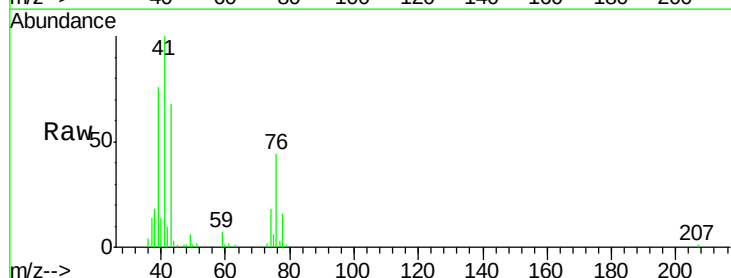
Tgt Ion: 41 Resp: 96578

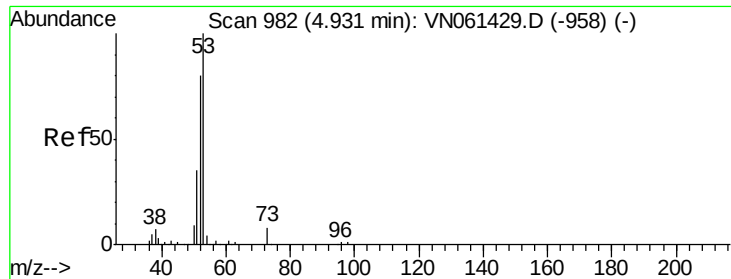
Ion Ratio Lower Upper

41 100

39 74.6 61.2 91.8

76 41.1 29.9 44.9





#15

Acrylonitrile

Concen: 92.557 ug/l

RT: 4.92 min Scan# 980

Delta R.T. -0.01 min

Lab File: VN061501.D

Acq: 20 May 2020 15:23

Instrument :

MSVOA_N

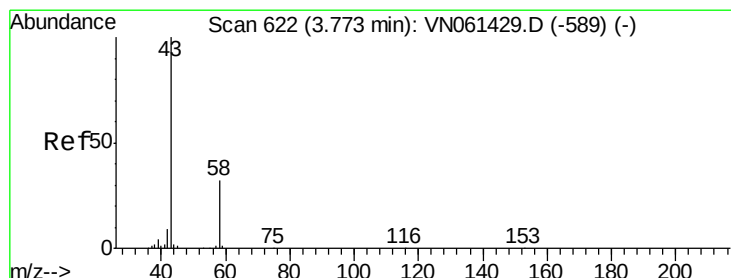
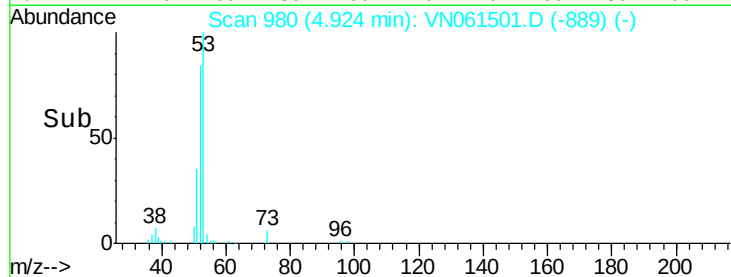
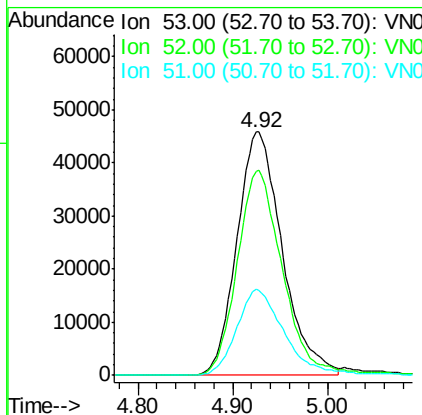
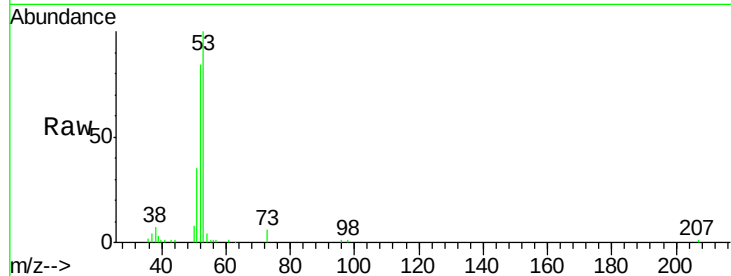
ClientSampleId :

VN0520WBS01

Tot Ion:	53	Resp:	152495
Ion	Ratio	Lower	Upper
53	100		
52	83.9	64.7	97.1
51	37.0	29.5	44.3

Manual Integrations
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#16

Acetone

Concen: 102.844 ug/l

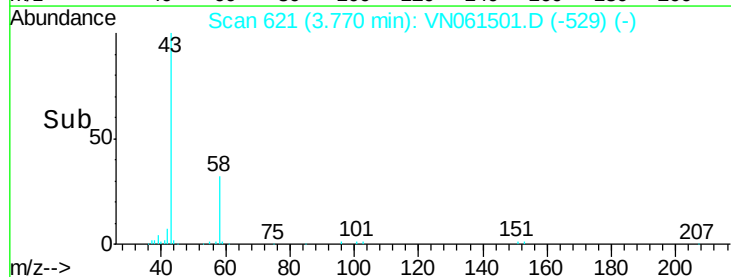
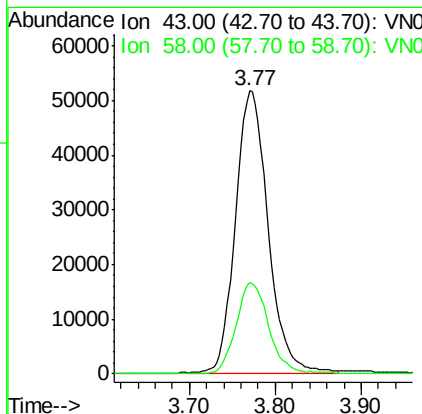
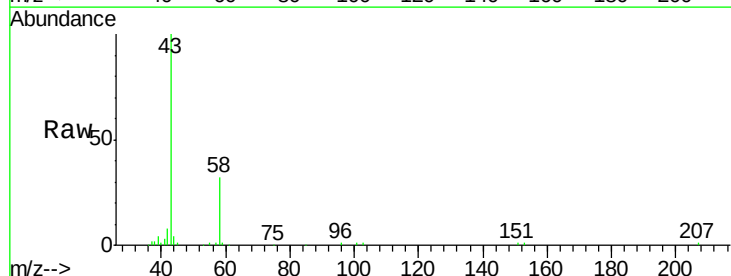
RT: 3.77 min Scan# 621

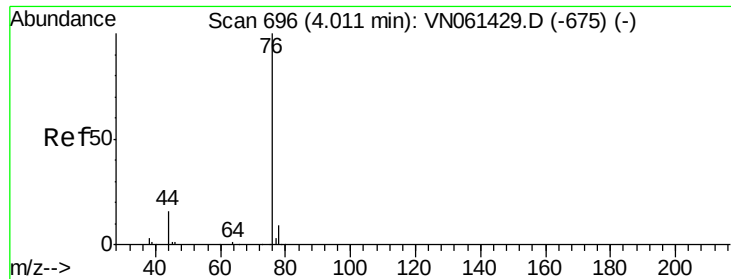
Delta R.T. -0.00 min

Lab File: VN061501.D

Acq: 20 May 2020 15:23

Tgt Ion:	43	Resp:	135302
Ion	Ratio	Lower	Upper
43	100		
58	32.3	25.6	38.4





#17

Carbon Disulfide

Concen: 17.817 ug/l

RT: 4.01 min Scan# 695

Delta R.T. -0.00 min

Lab File: VN061501.D

Acq: 20 May 2020 15:23

Instrument :

MSVOA_N

ClientSampleId :

VN0520WBS01

Tot Ion: 76 Resp: 141372

Ion Ratio Lower Upper

76 100

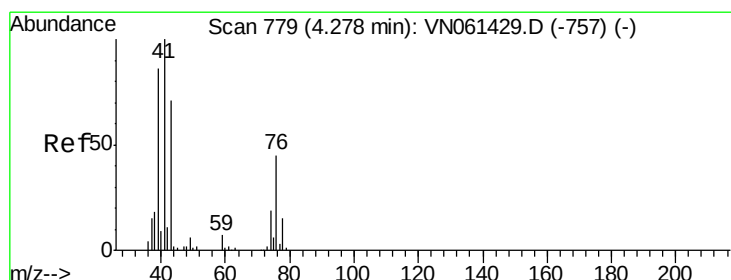
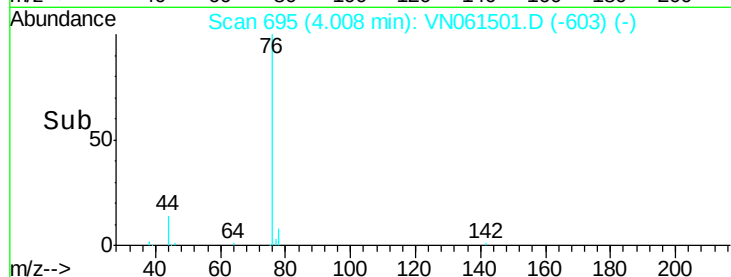
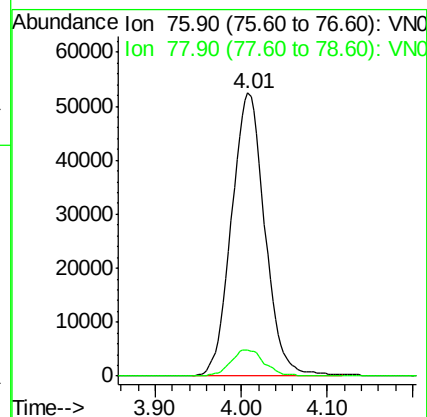
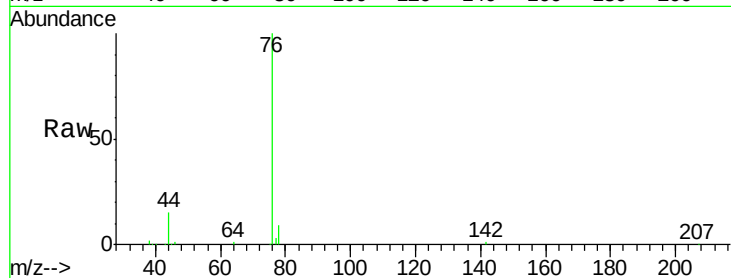
78 9.0 7.4 11.0

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#18

Methyl Acetate

Concen: 18.319 ug/l

RT: 4.27 min Scan# 777

Delta R.T. -0.01 min

Lab File: VN061501.D

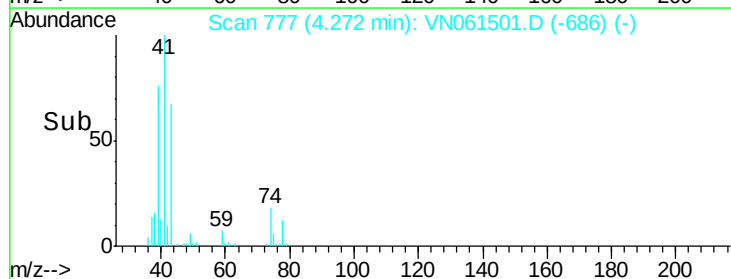
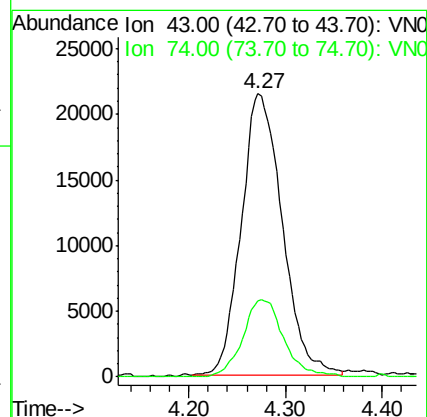
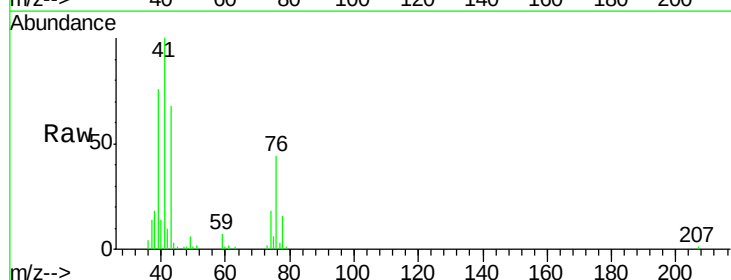
Acq: 20 May 2020 15:23

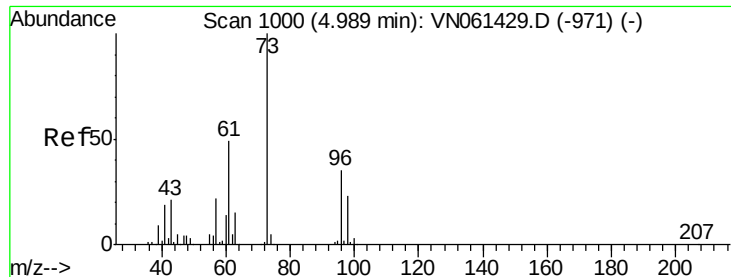
Tgt Ion: 43 Resp: 62879

Ion Ratio Lower Upper

43 100

74 27.4 20.8 31.2





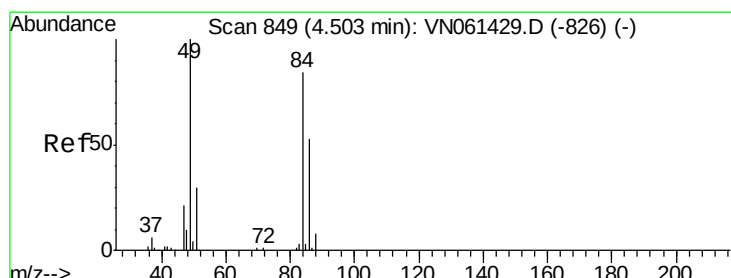
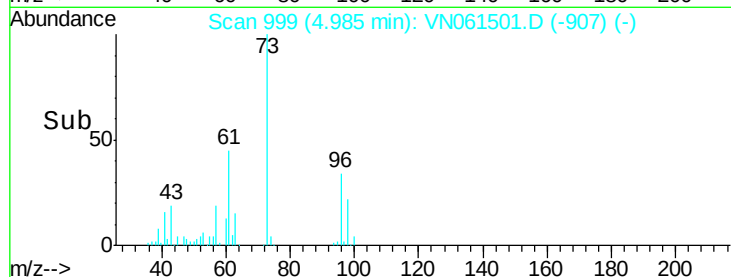
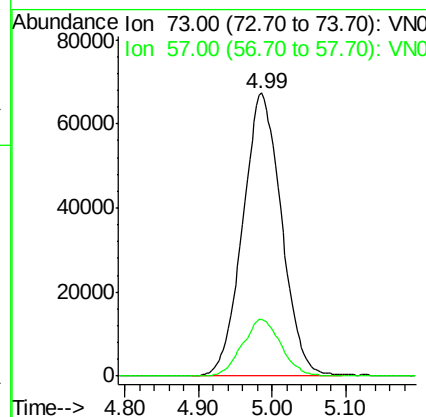
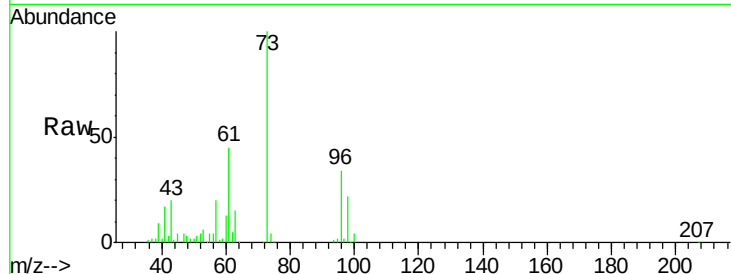
#19
Methvl tert-butvl Ether
Concen: 19.544 ug/l
RT: 4.99 min Scan# 999
Delta R.T. -0.00 min
Lab File: VN061501.D
Acq: 20 May 2020 15:23

Instrument :
MSVOA_N
ClientSampleId :
VN0520WBS01

Tot Ion: 73 Resp: 245849
Ion Ratio Lower Upper
73 100
57 20.2 17.4 26.0

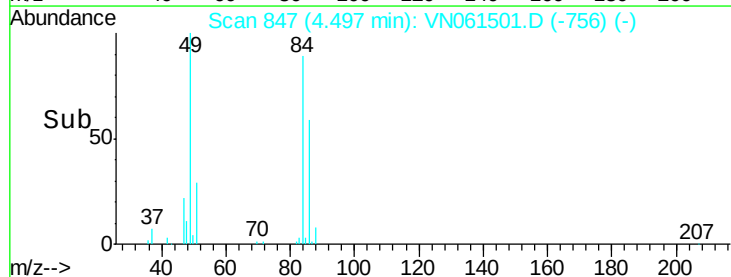
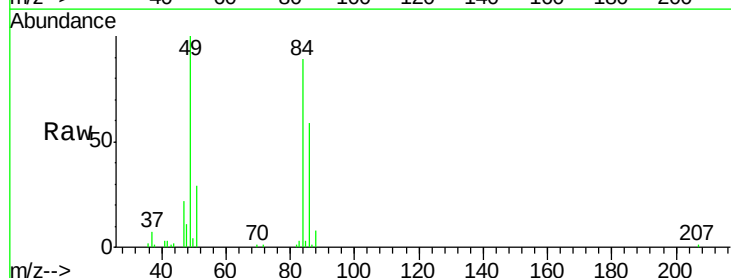
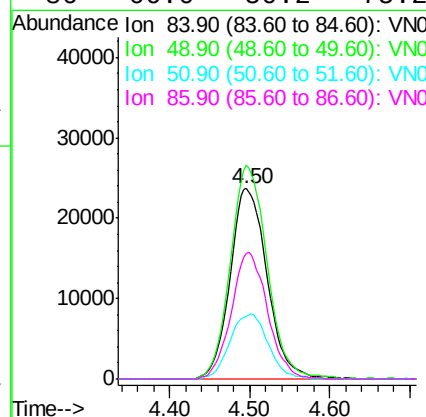
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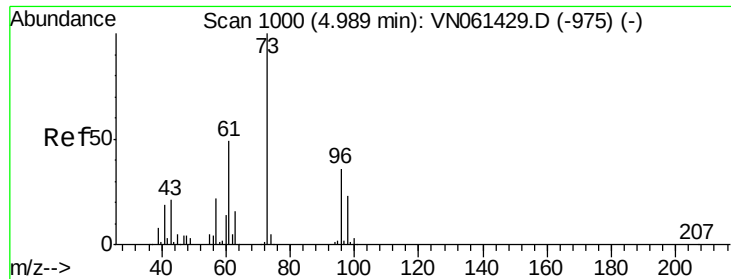
MMDadoda
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#20
Methylene Chloride
Concen: 18.881 ug/l
RT: 4.50 min Scan# 847
Delta R.T. -0.01 min
Lab File: VN061501.D
Acq: 20 May 2020 15:23

Tgt Ion: 84 Resp: 74895
Ion Ratio Lower Upper
84 100
49 112.3 95.3 142.9
51 32.7 29.0 43.6
86 66.0 50.2 75.2





#21

trans-1,2-Dichloroethene

Concen: 19.468 ug/l

RT: 4.98 min Scan# 998

Delta R.T. -0.01 min

Lab File: VN061501.D

Acq: 20 May 2020 15:23

Instrument :

MSVOA_N

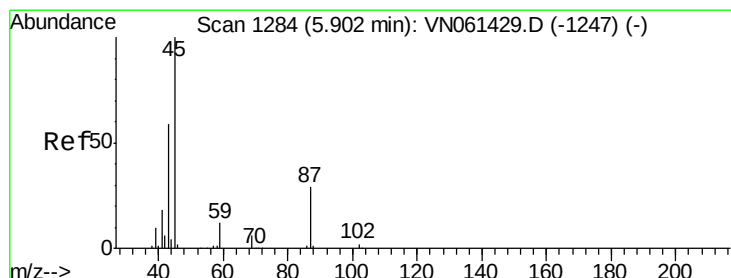
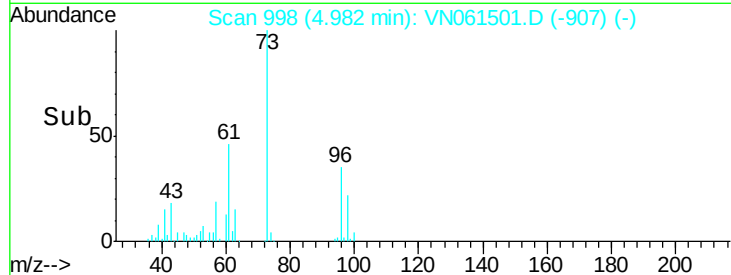
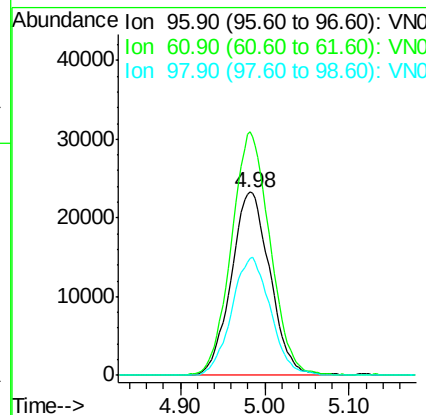
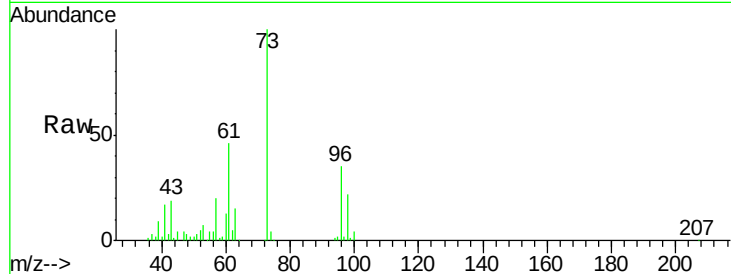
ClientSampleId :

VN0520WBS01

Tot Ion:	96	Resp:	74414
Ion	Ratio	Lower	Upper
96	100		
61	132.5	109.8	164.6
98	64.1	52.4	78.6

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#22

Diisopropyl ether

Concen: 17.834 ug/l

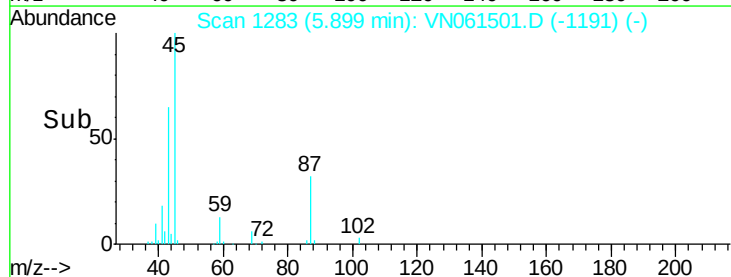
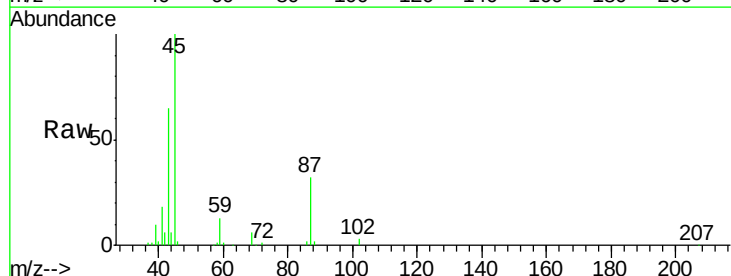
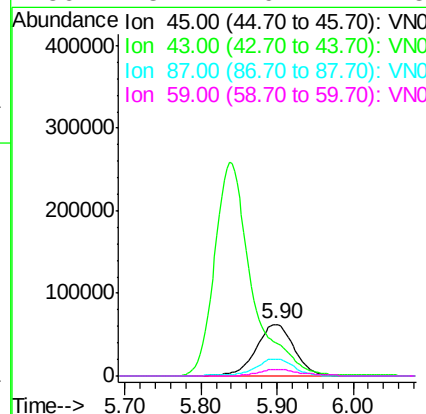
RT: 5.90 min Scan# 1283

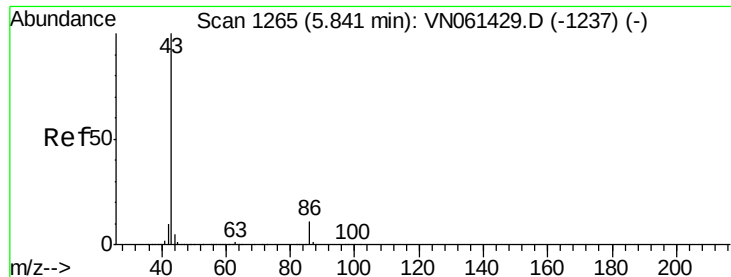
Delta R.T. -0.00 min

Lab File: VN061501.D

Acq: 20 May 2020 15:23

Tgt Ion:	45	Resp:	216190
Ion	Ratio	Lower	Upper
45	100		
43	62.8	47.9	71.9
87	32.3	24.0	36.0
59	13.1	9.7	14.5





#23

Vinyl Acetate

Concen: 91.178 ug/l

RT: 5.84 min Scan# 1264

Delta R.T. -0.00 min

Lab File: VN061501.D

Acq: 20 May 2020 15:23

Instrument :

MSVOA_N

ClientSampleId :

VN0520WBS01

Tot Ion: 43 Resp: 878951

Ion Ratio Lower Upper

43 100

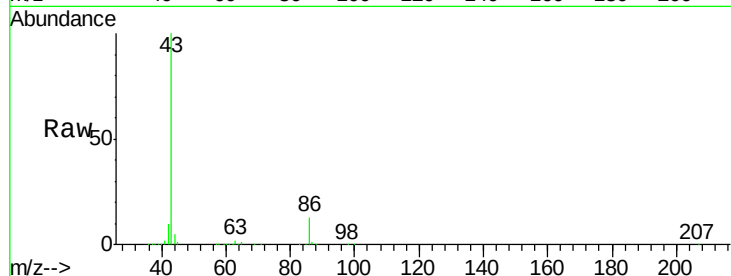
86 13.0 9.1 13.7

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

5.84

250000

200000

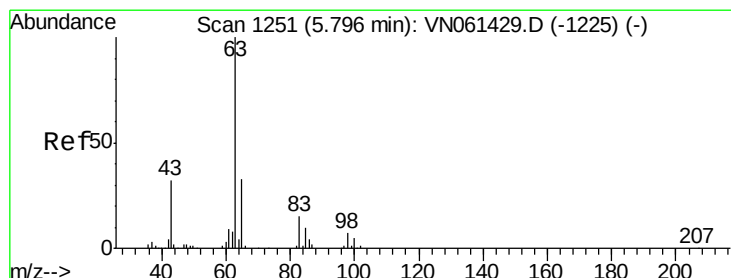
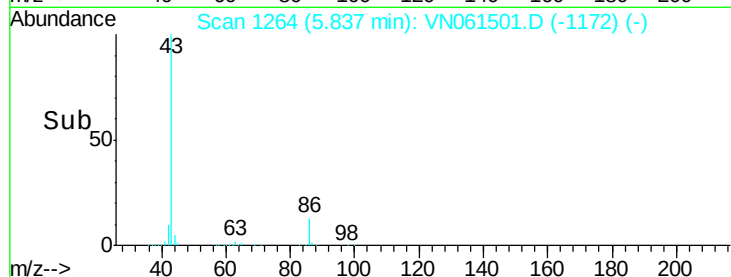
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 18.715 ug/l

RT: 5.79 min Scan# 1250

Delta R.T. -0.00 min

Lab File: VN061501.D

Acq: 20 May 2020 15:23

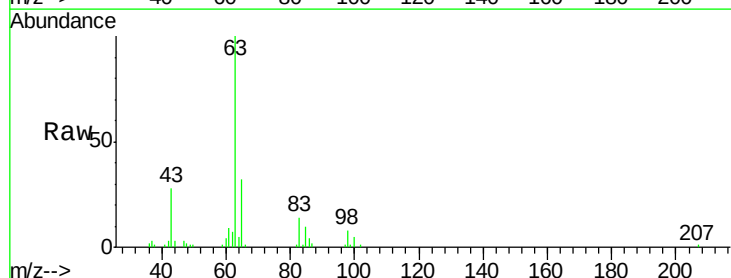
Tgt Ion: 63 Resp: 132326

Ion Ratio Lower Upper

63 100

98 7.9 3.5 10.5

100 5.1 2.3 6.9



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

5.79

50000

40000

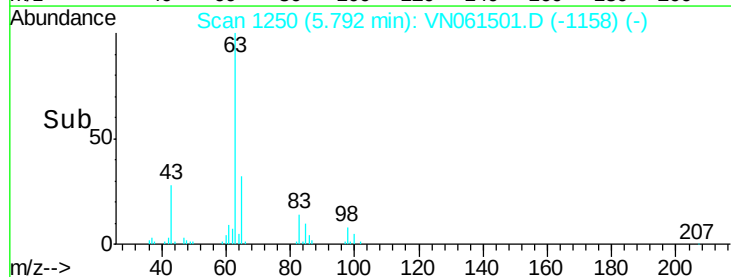
30000

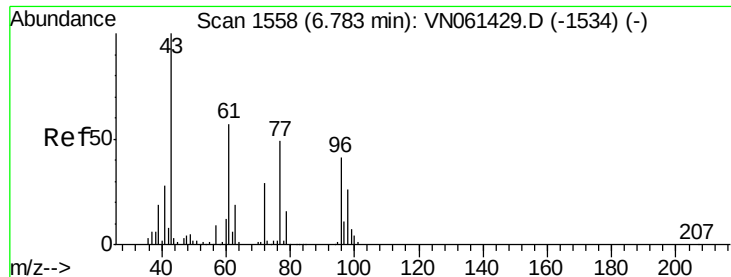
20000

10000

0

Time-->





#25

2-Butanone

Concen: 95.288 ug/l

RT: 6.78 min Scan# 1558

Delta R.T. -0.00 min

Lab File: VN061501.D

Acq: 20 May 2020 15:23

Instrument :

MSVOA_N

ClientSampleId :

VN0520WBS01

Tot Ion: 43 Resp: 209397

Ion Ratio Lower Upper

43 100

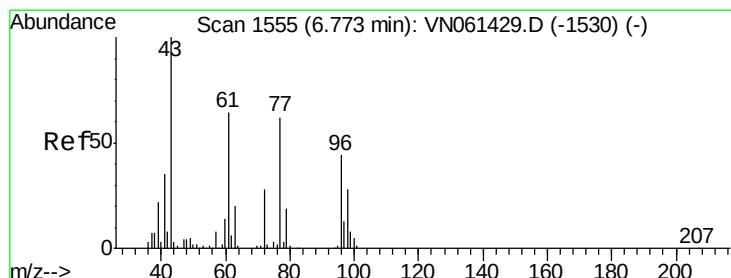
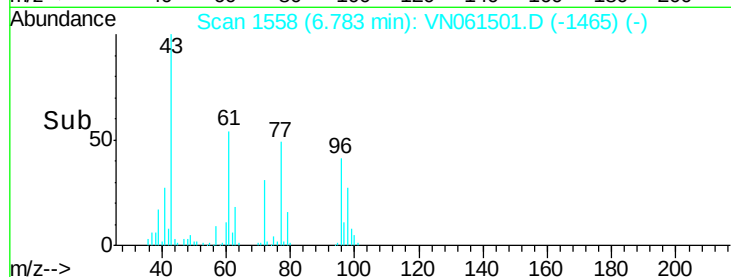
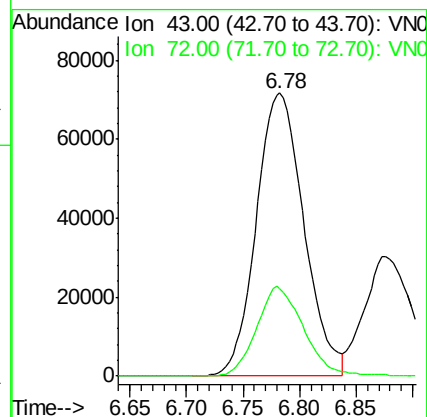
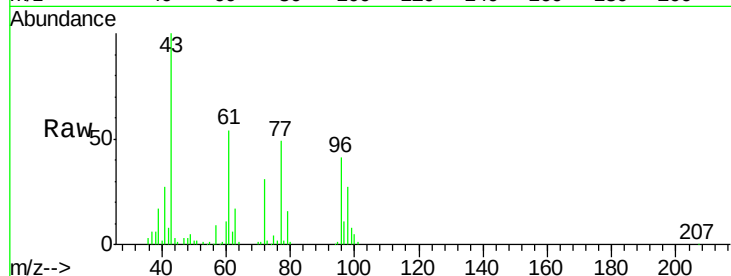
72 30.8 23.0 34.6

Manual Integrations

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MMDadoda

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#26

2,2-Dichloropropane

Concen: 19.413 ug/l

RT: 6.77 min Scan# 1555

Delta R.T. -0.00 min

Lab File: VN061501.D

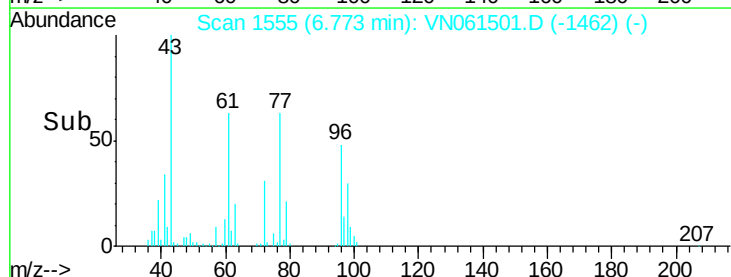
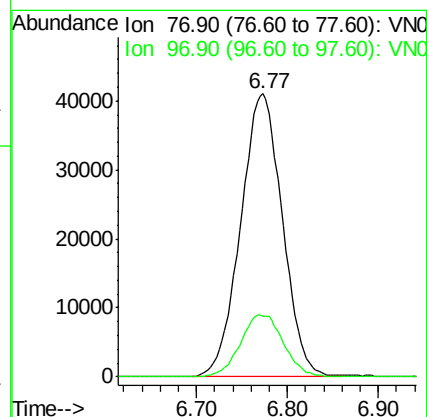
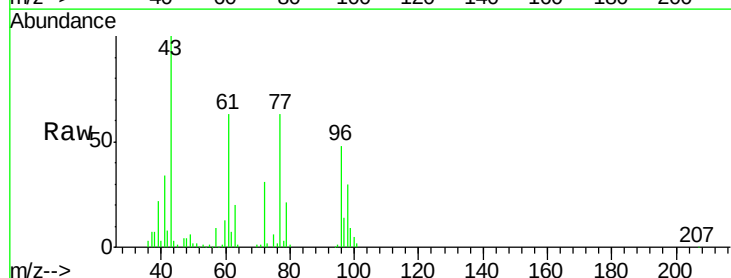
Acq: 20 May 2020 15:23

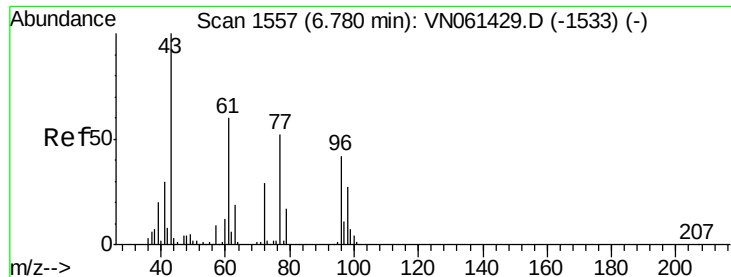
Tgt Ion: 77 Resp: 130852

Ion Ratio Lower Upper

77 100

97 22.5 10.9 32.9





#27

cis-1,2-Dichloroethene

Concen: 20.272 ug/l

RT: 6.78 min Scan# 1556

Delta R.T. -0.00 min

Lab File: VN061501.D

Acq: 20 May 2020 15:23

Instrument :

MSVOA_N

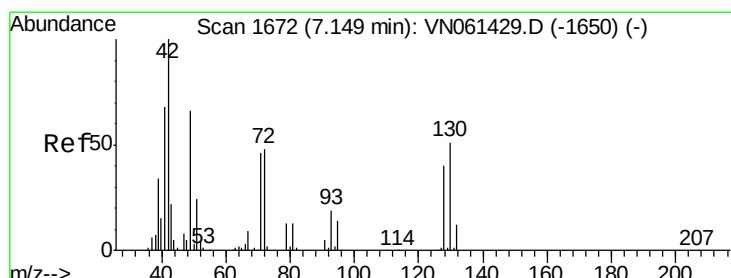
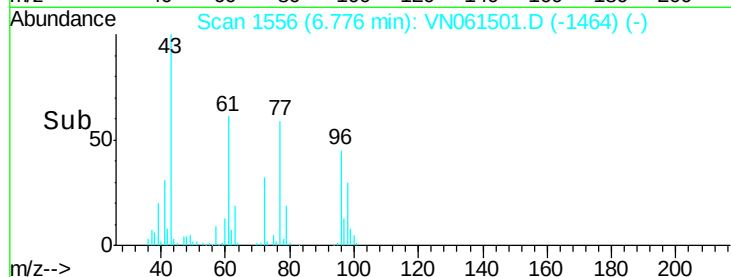
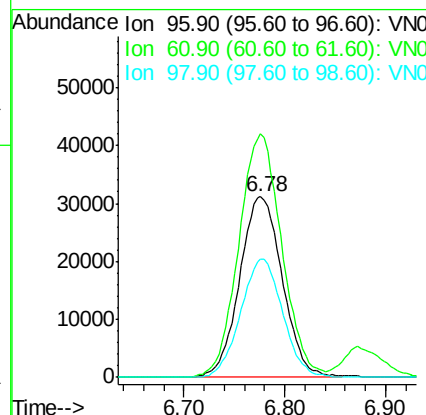
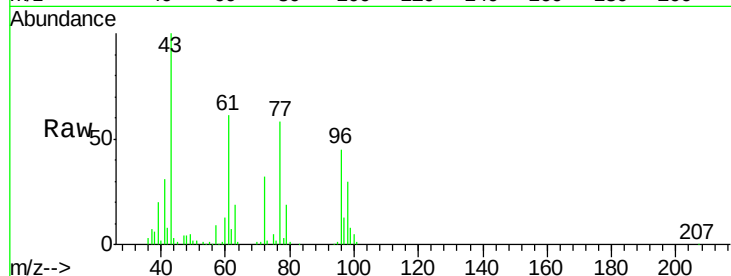
ClientSampleId :

VN0520WBS01

Tot Ion:	96	Resp:	91529
Ion	Ratio	Lower	Upper
96	100		
61	135.6	0.0	294.2
98	64.3	0.0	128.2

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#28

Bromochloromethane

Concen: 18.254 ug/l

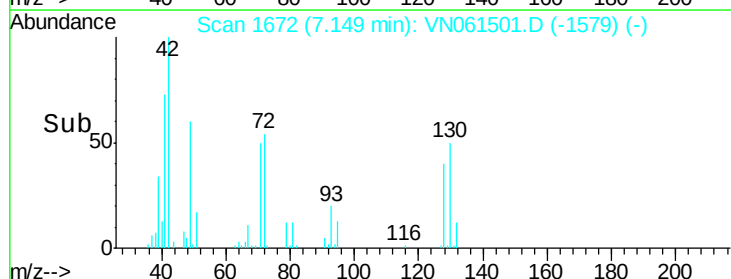
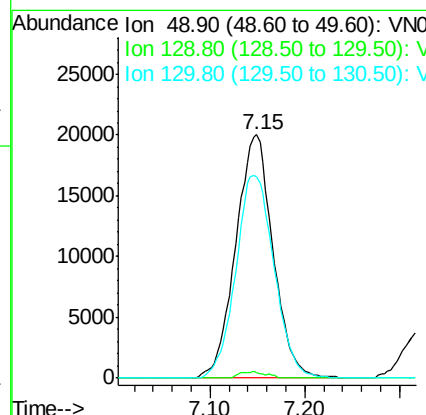
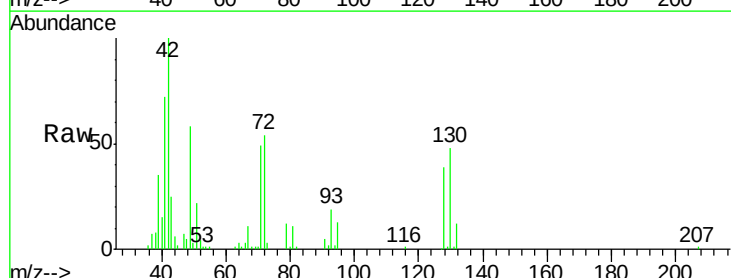
RT: 7.15 min Scan# 1672

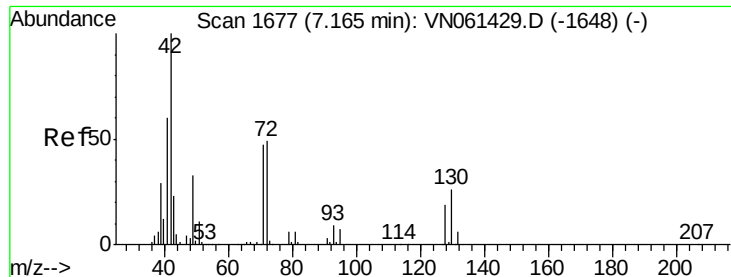
Delta R.T. -0.00 min

Lab File: VN061501.D

Acq: 20 May 2020 15:23

Tgt Ion:	49	Resp:	54786
Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	4.6
130	86.0	62.2	93.2





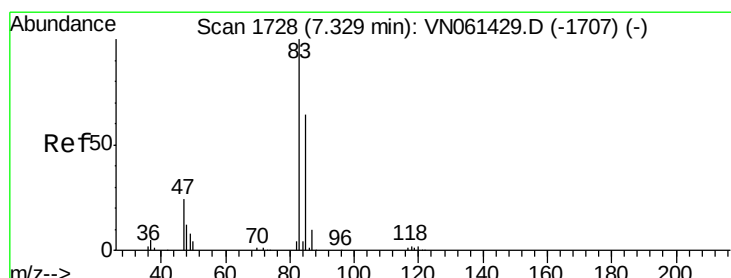
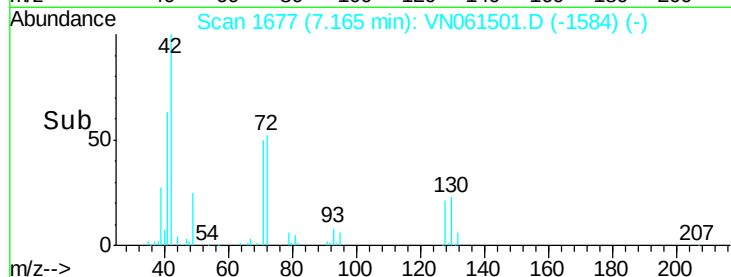
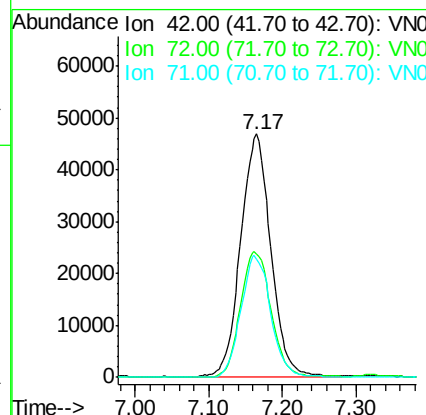
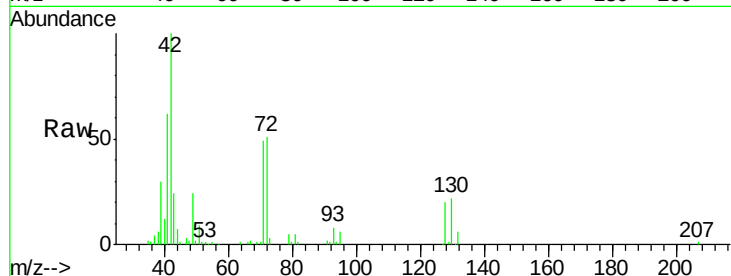
#29
Tetrahydrofuran
Concen: 92.501 ug/l
RT: 7.17 min Scan# 1677
Delta R.T. -0.00 min
Lab File: VN061501.D
Acq: 20 May 2020 15:23

Instrument :
MSVOA_N
ClientSampleId :
VN0520WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	52.2	39.0	58.6
71	49.2	36.9	55.3

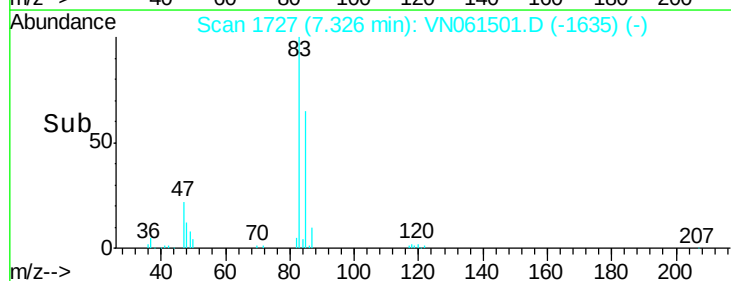
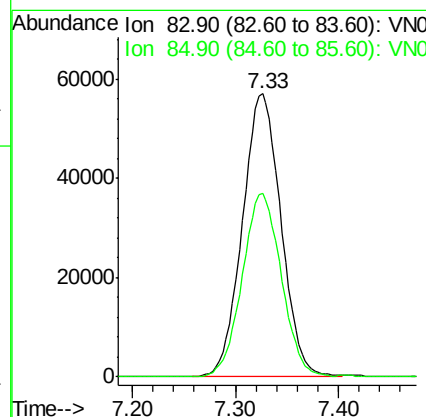
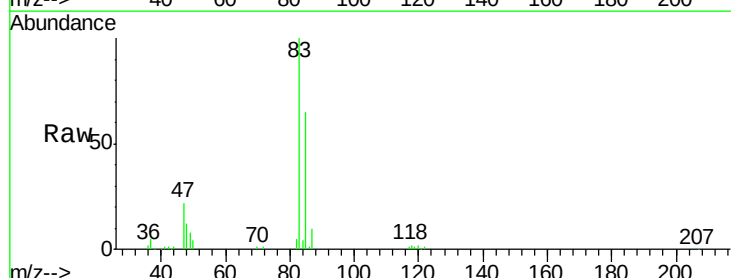
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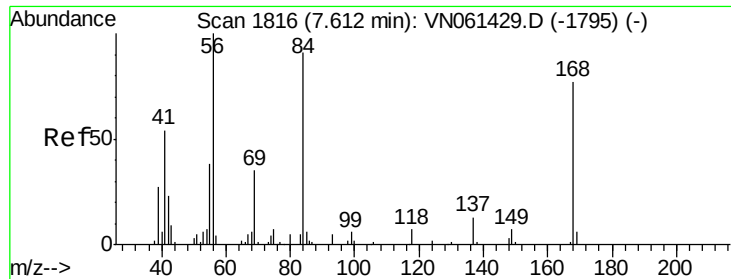
MMDadoda
5/21/2020 1:16:14 PM



#30
Chloroform
Concen: 20.113 ug/l
RT: 7.33 min Scan# 1727
Delta R.T. -0.00 min
Lab File: VN061501.D
Acq: 20 May 2020 15:23

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.8	51.0	76.4





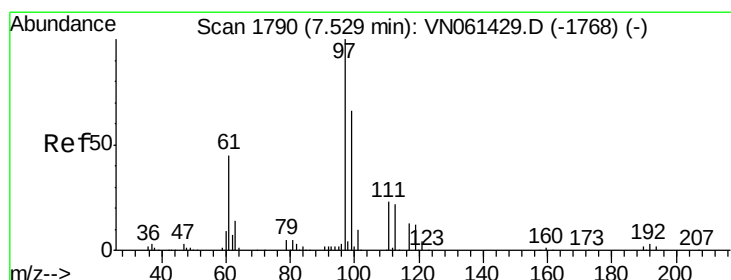
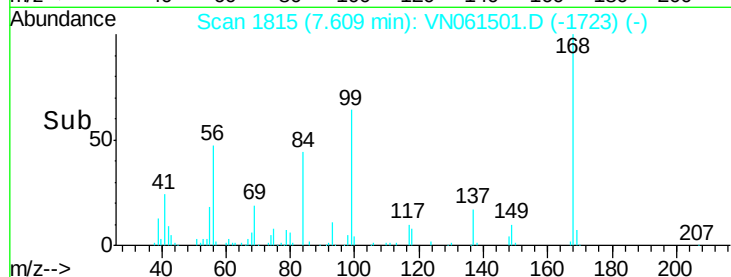
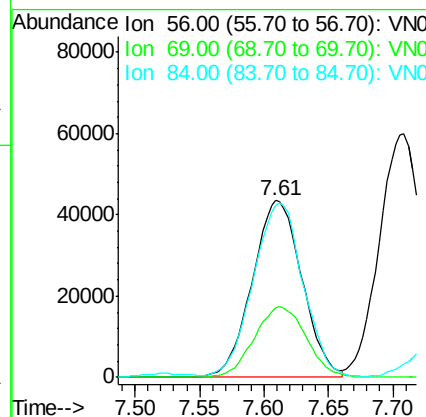
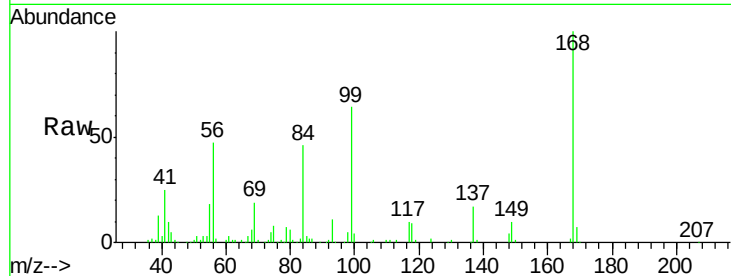
#31
Cyclohexane
Concen: 16.787 ug/l
RT: 7.61 min Scan# 1815
Delta R.T. -0.00 min
Lab File: VN061501.D
Acq: 20 May 2020 15:23

Instrument :
MSVOA_N
ClientSampleId :
VN0520WBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	39.4	27.8	41.6
84	96.0	72.7	109.1

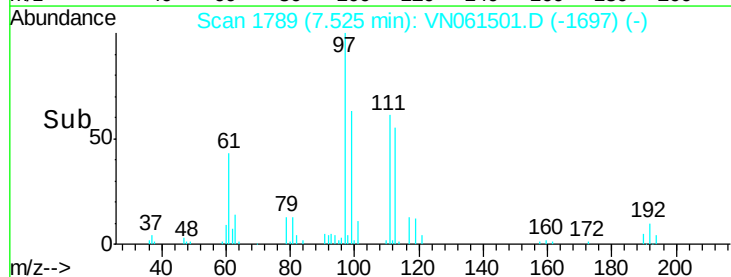
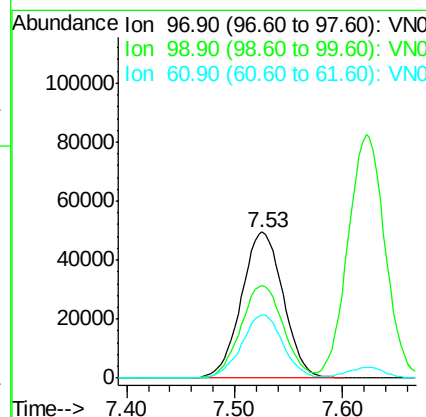
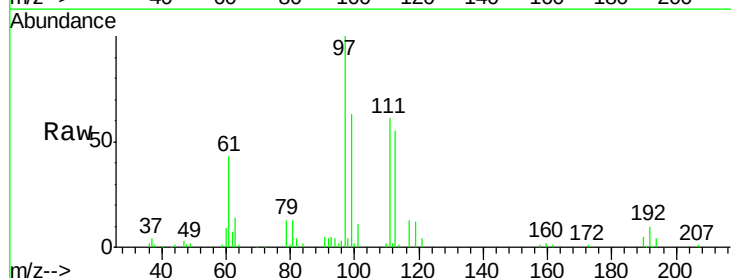
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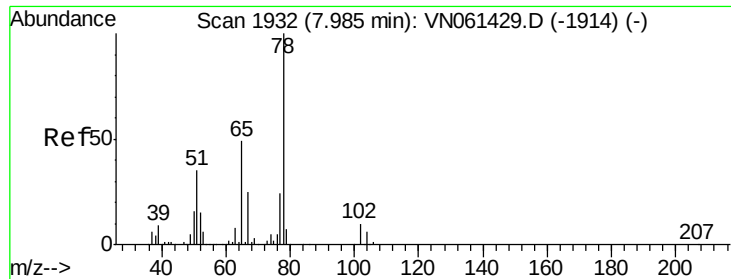
MMDadoda
5/21/2020 1:16:14 PM



#32
1,1,1-Trichloroethane
Concen: 19.821 ug/l
RT: 7.53 min Scan# 1789
Delta R.T. -0.00 min
Lab File: VN061501.D
Acq: 20 May 2020 15:23

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.5	51.5	77.3
61	42.7	35.8	53.6





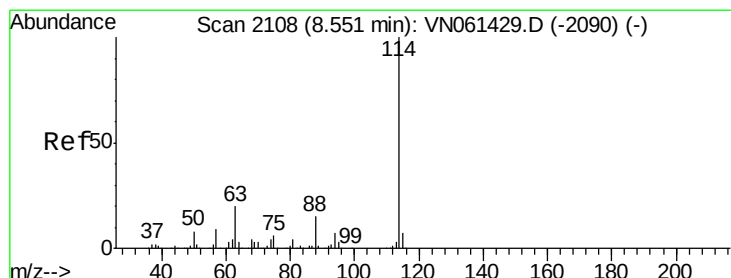
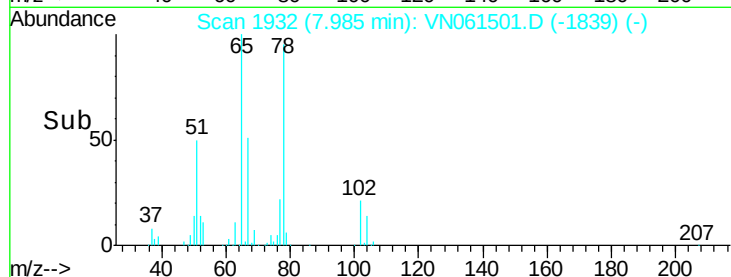
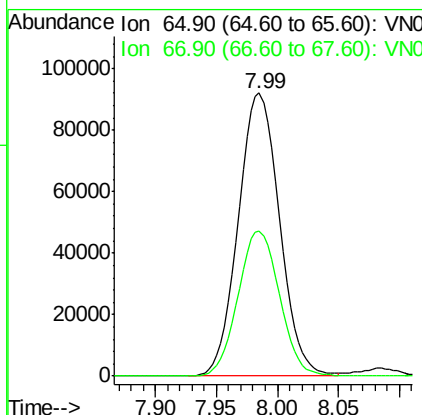
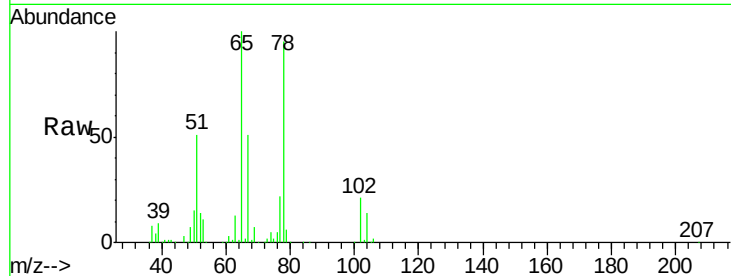
#33
 1,2-Dichloroethane-d4
 Concen: 44.705 ug/l
 RT: 7.99 min Scan# 1932
 Delta R.T. -0.00 min
 Lab File: VN061501.D
 Acq: 20 May 2020 15:23

Instrument :
 MSVOA_N
 ClientSampled :
 VN0520WBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	215767		
67	51.6	0.0	101.4	

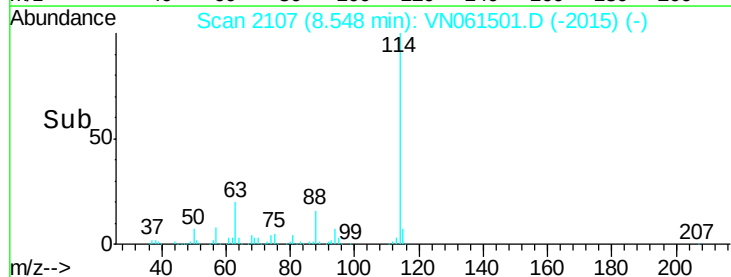
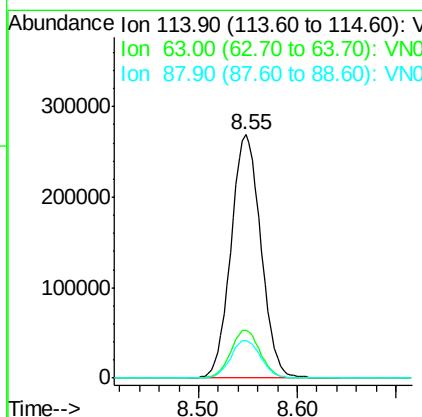
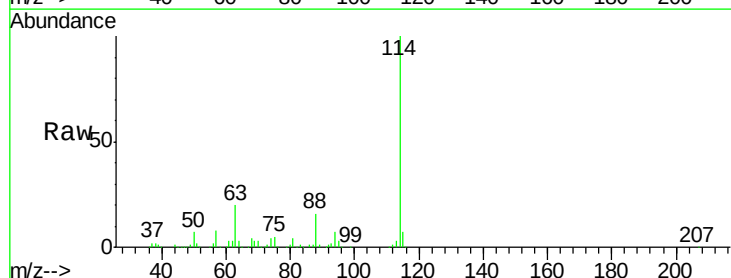
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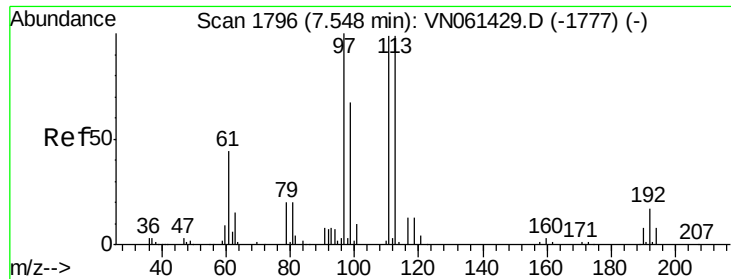
MMDadoda
 5/21/2020 1:16:14 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2107
 Delta R.T. -0.00 min
 Lab File: VN061501.D
 Acq: 20 May 2020 15:23

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	569356		
63	19.8	0.0	40.8	
88	15.6	0.0	30.8	





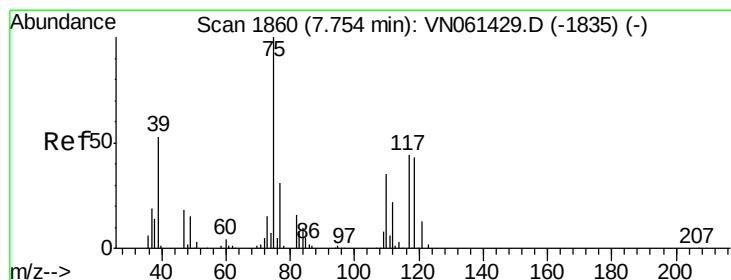
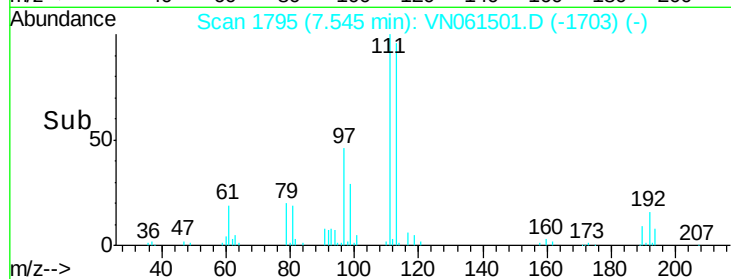
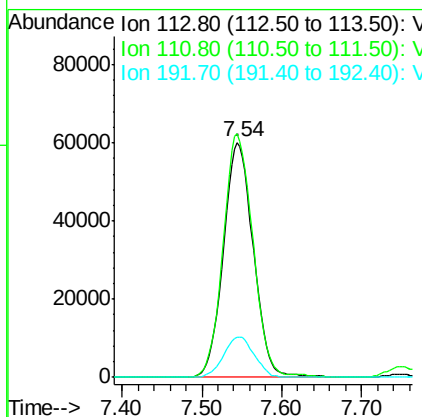
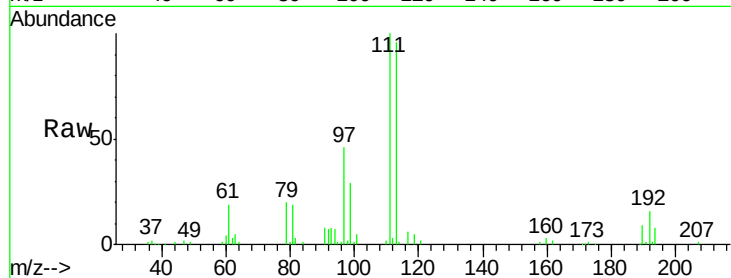
#35
 Dibromofluoromethane
 Concen: 51.312 ug/l
 RT: 7.54 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VN061501.D
 Acq: 20 May 2020 15:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0520WBS01

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.2	80.6	121.0
192	17.5	13.2	19.8

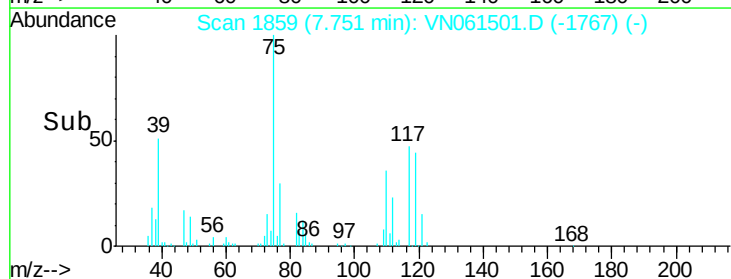
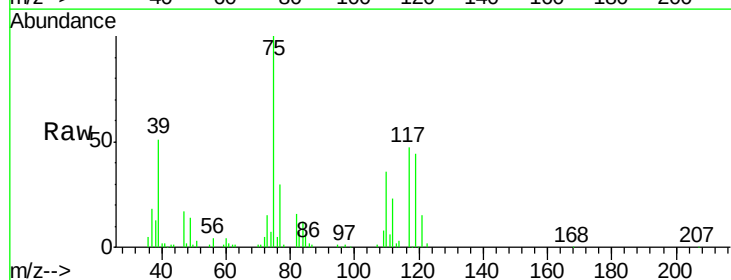
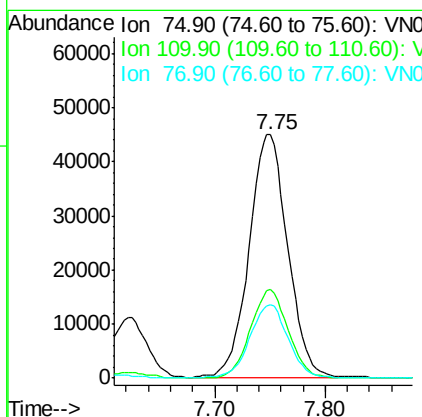
Manual Integrations
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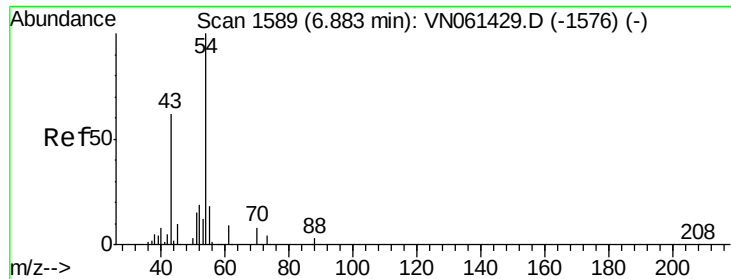
MMDadoda
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#36
 1,1-Dichloropropene
 Concen: 20.563 ug/l
 RT: 7.75 min Scan# 1859
 Delta R.T. -0.00 min
 Lab File: VN061501.D
 Acq: 20 May 2020 15:23

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.3	17.3	51.9
77	30.0	24.9	37.3





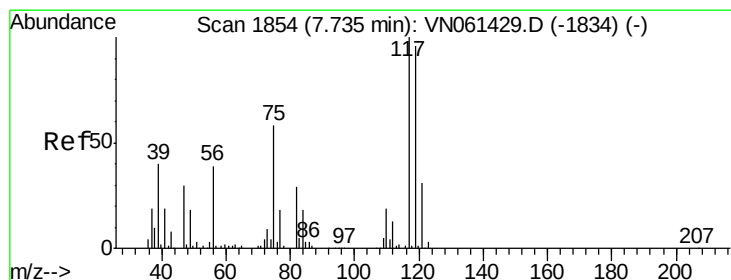
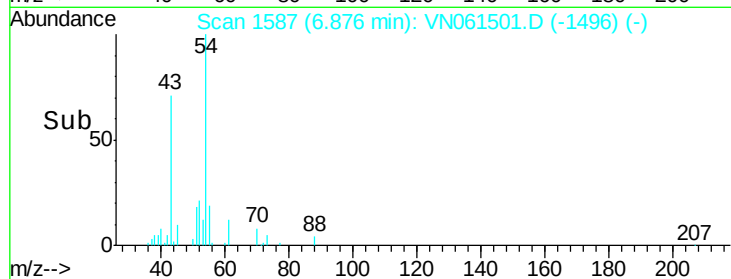
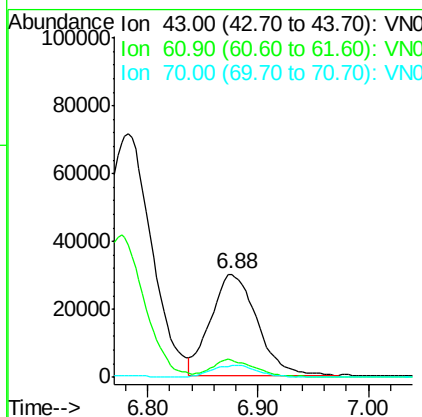
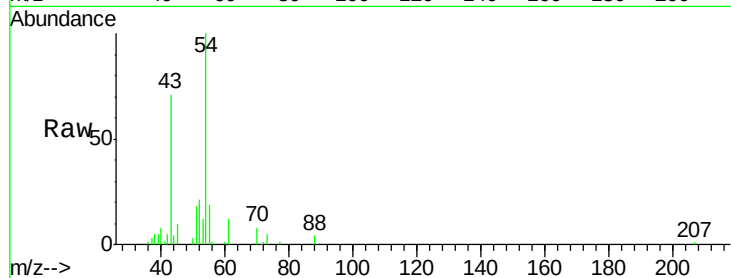
#37
Ethyl Acetate
Concen: 18.137 ug/l
RT: 6.88 min Scan# 1587
Delta R.T. -0.01 min
Lab File: VN061501.D
Acq: 20 May 2020 15:23

Instrument :
MSVOA_N
ClientSampleId :
VN0520WBS01

Tot Ion	43	61	70
Resp	87564	16.7	12.0
Lower		11.7	9.2
Upper		17.5	13.8

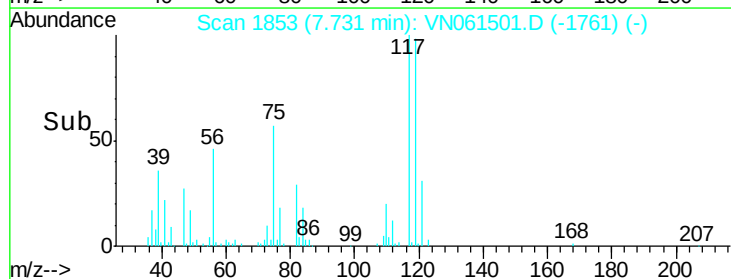
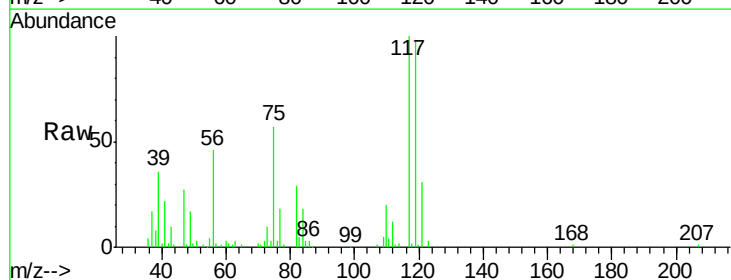
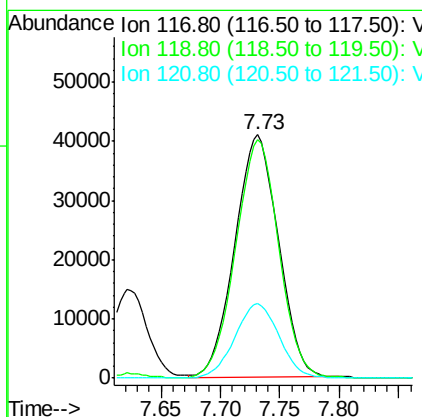
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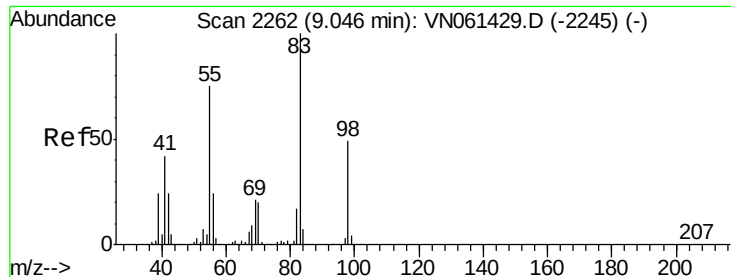
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#38
Carbon Tetrachloride
Concen: 21.169 ug/l
RT: 7.73 min Scan# 1853
Delta R.T. -0.00 min
Lab File: VN061501.D
Acq: 20 May 2020 15:23

Tgt Ion	117	119	121
Resp	103775	98.6	30.8
Lower		77.0	24.7
Upper		115.6	37.1





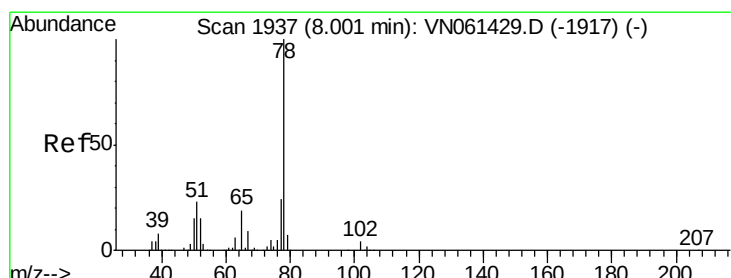
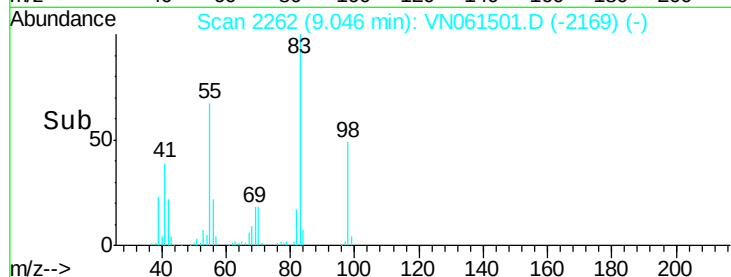
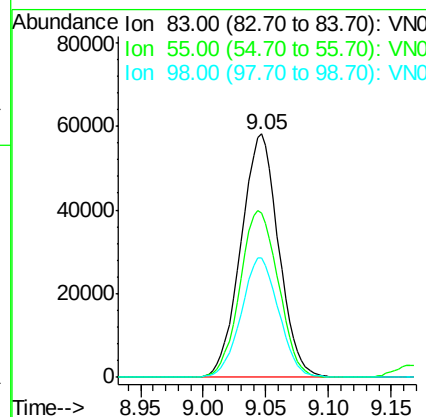
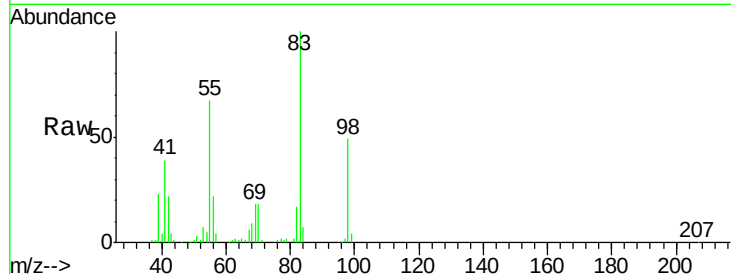
#39
Methylvlcyclohexane
Concen: 18.699 ug/l
RT: 9.05 min Scan# 2262
Delta R.T. -0.00 min
Lab File: VN061501.D
Acq: 20 May 2020 15:23

Instrument :
MSVOA_N
ClientSampleId :
VN0520WBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	121591		
55	67.5		59.7	89.5
98	48.9		38.9	58.3

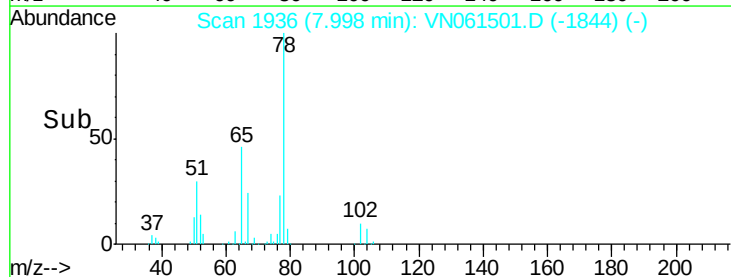
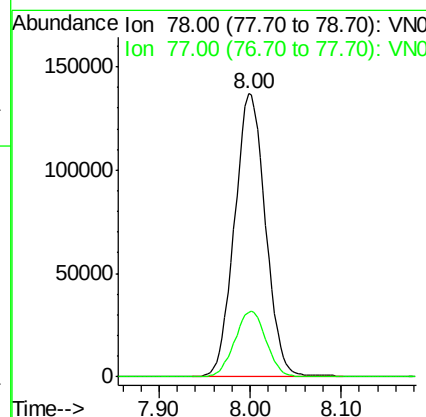
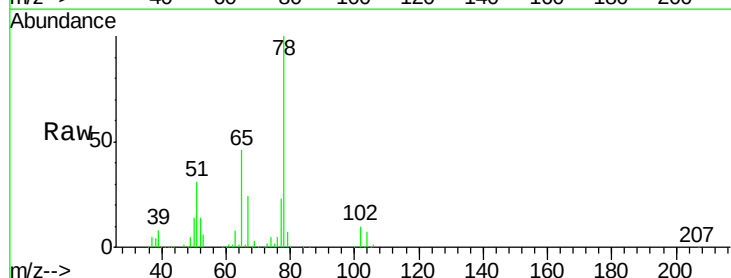
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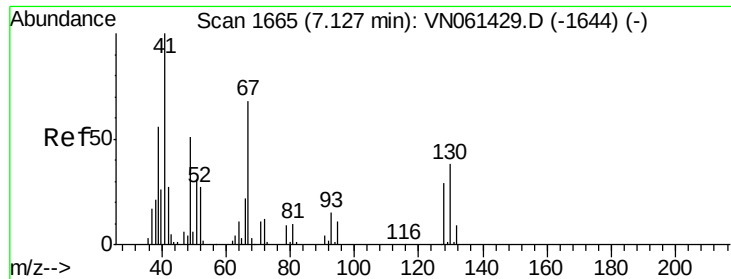
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#40
Benzene
Concen: 20.174 ug/l
RT: 8.00 min Scan# 1936
Delta R.T. -0.00 min
Lab File: VN061501.D
Acq: 20 May 2020 15:23

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	323664		
77	22.9		19.1	28.7





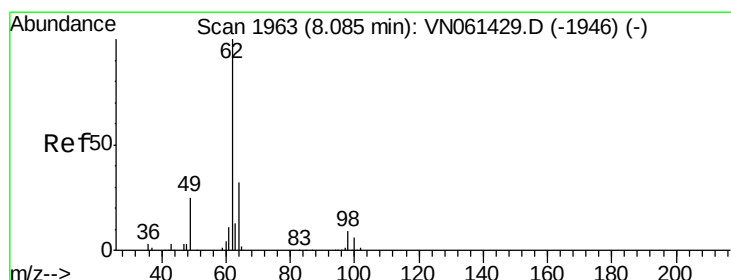
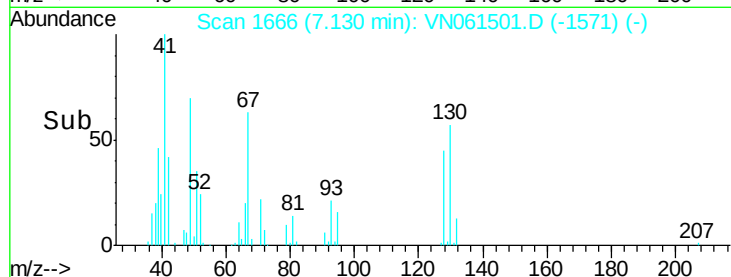
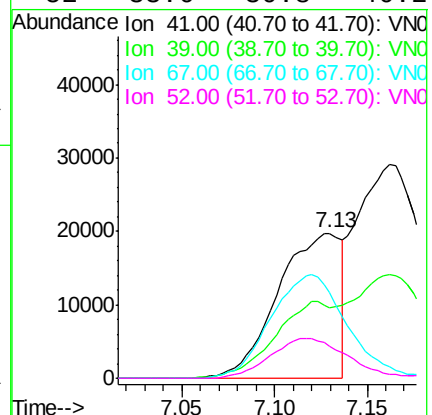
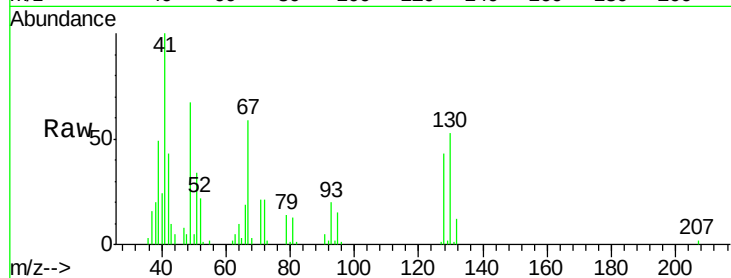
#41
Methacrylonitrile
Concen: 22.907 ug/l
RT: 7.13 min Scan# 1666
Delta R.T. 0.00 min
Lab File: VN061501.D
Acq: 20 May 2020 15:23

Instrument :
MSVOA_N
ClientSampleId :
VN0520WBS01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	45.8	48.3	72.5#	
67	86.8	74.2	111.4	
52	33.6	30.8	46.2	

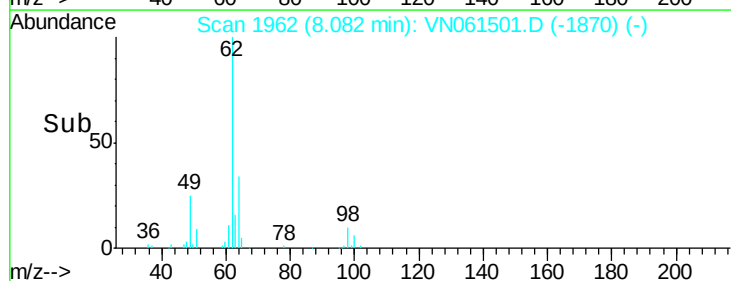
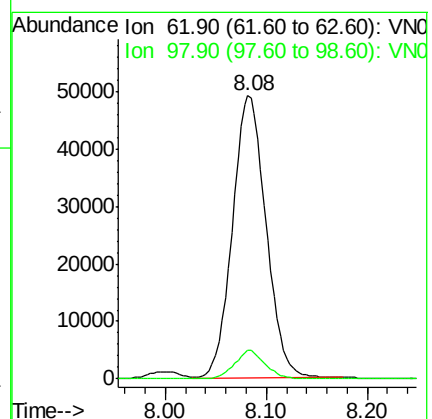
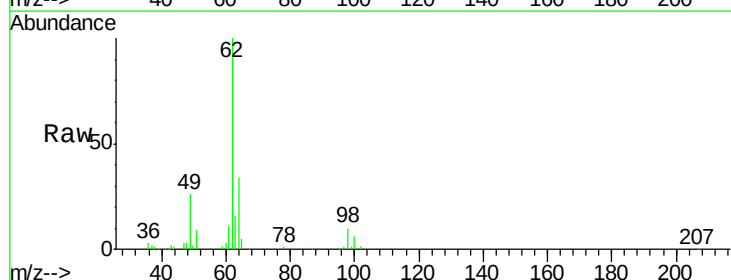
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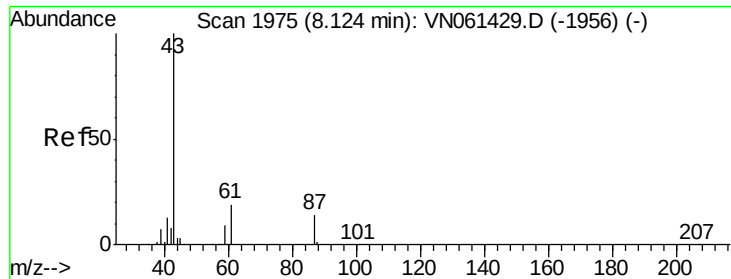
MMDadoda
5/21/2020 1:16:14 PM



#42
1,2-Dichloroethane
Concen: 19.665 ug/l
RT: 8.08 min Scan# 1962
Delta R.T. -0.00 min
Lab File: VN061501.D
Acq: 20 May 2020 15:23

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.0	0.0	18.4	





#43

Isopropyl Acetate

Concen: 19.063 ug/l

RT: 8.12 min Scan# 1975

Delta R.T. -0.00 min

Lab File: VN061501.D

Acq: 20 May 2020 15:23

Instrument :

MSVOA_N

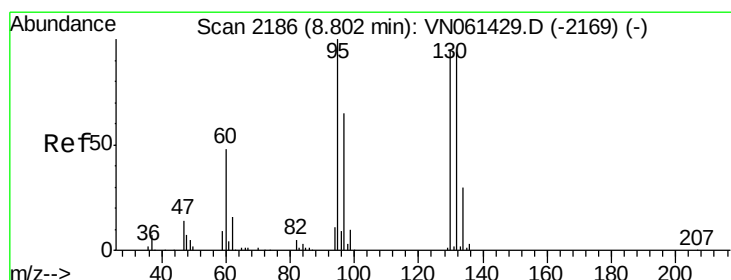
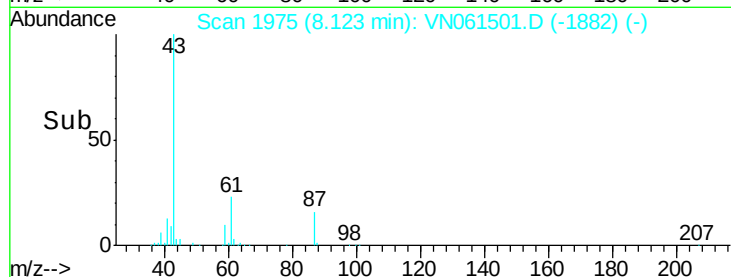
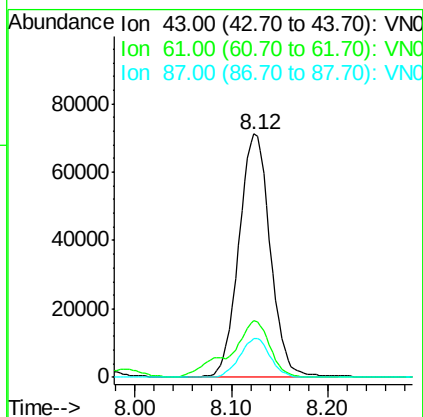
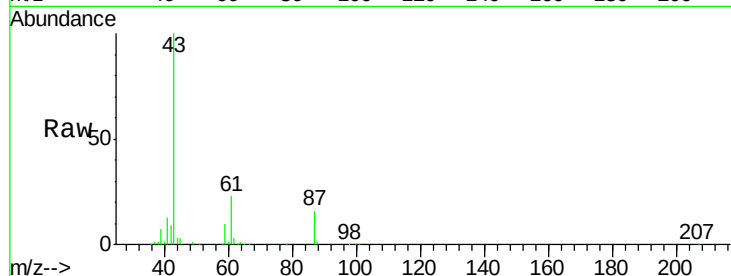
ClientSampleId :

VN0520WBS01

Tot Ion:	43	Resp:	160527
Ion Ratio		Lower	Upper
43	100		
61	23.0	23.0	34.4
87	15.3	11.6	17.4

Manual Integrations
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#44

Trichloroethene

Concen: 21.909 ug/l

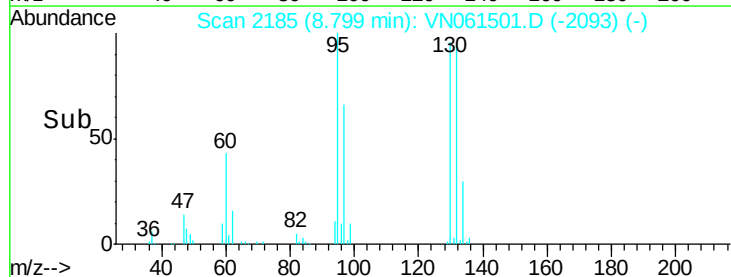
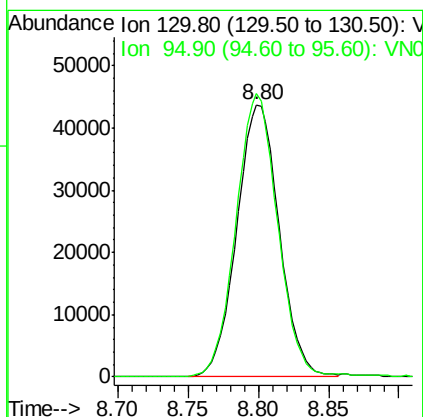
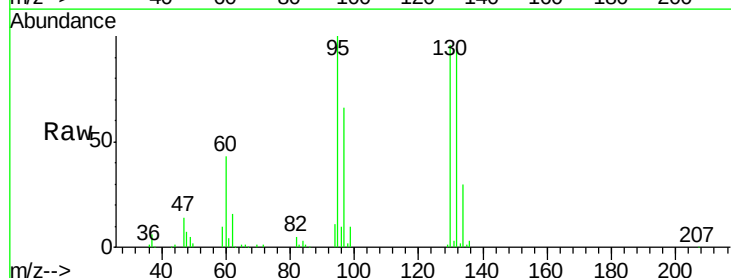
RT: 8.80 min Scan# 2185

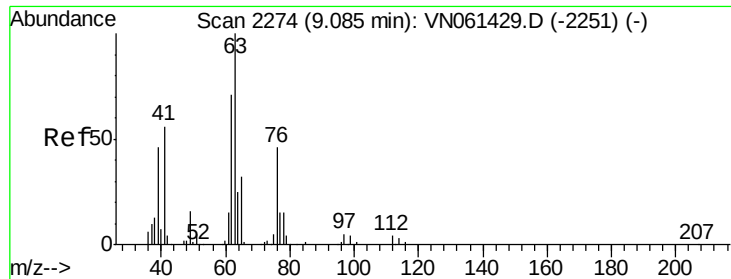
Delta R.T. -0.00 min

Lab File: VN061501.D

Acq: 20 May 2020 15:23

Tgt Ion:	130	Resp:	92101
Ion Ratio		Lower	Upper
130	100		
95	104.1	0.0	209.8





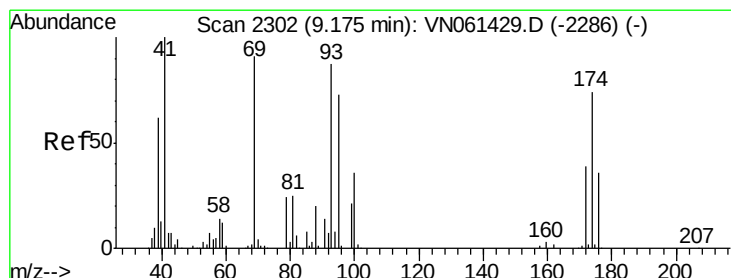
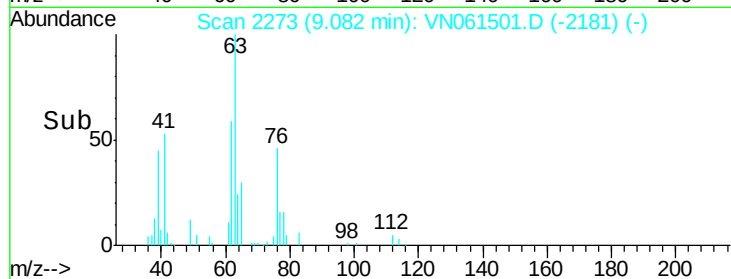
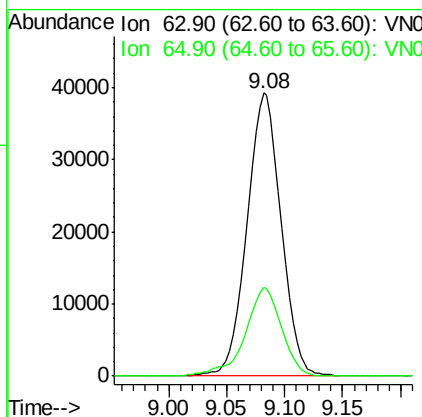
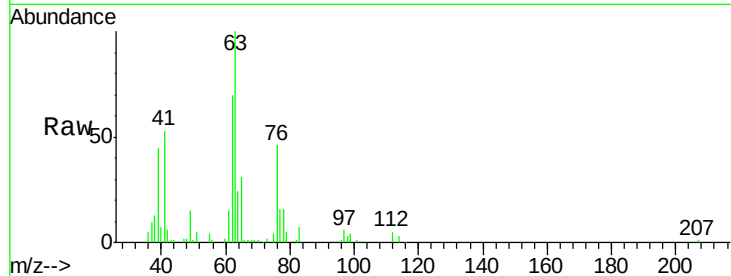
#45
 1,2-Dichloropropane
 Concen: 20.027 ug/l
 RT: 9.08 min Scan# 2273
 Delta R.T. -0.00 min
 Lab File: VN061501.D
 Acq: 20 May 2020 15:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0520WBS01

Tot Ion: 63 Resp: 80423
 Ion Ratio Lower Upper
 63 100
 65 31.3 25.2 37.8

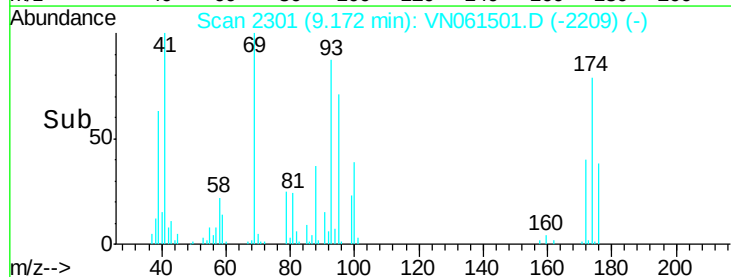
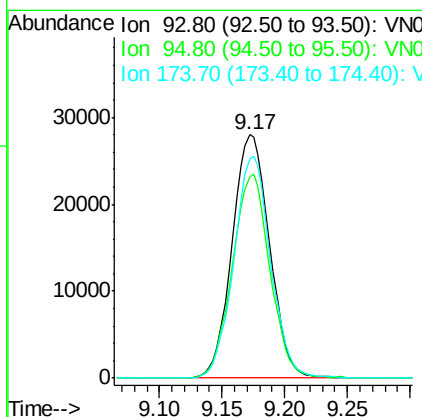
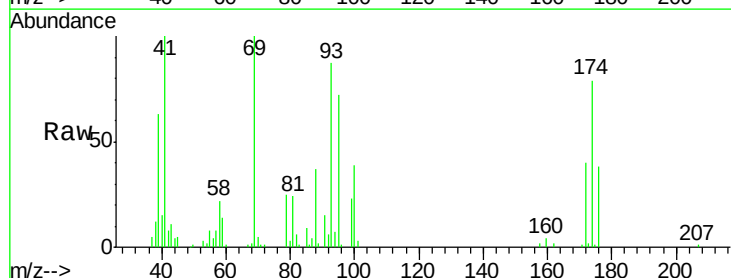
Manual Integrations
 APPROVED

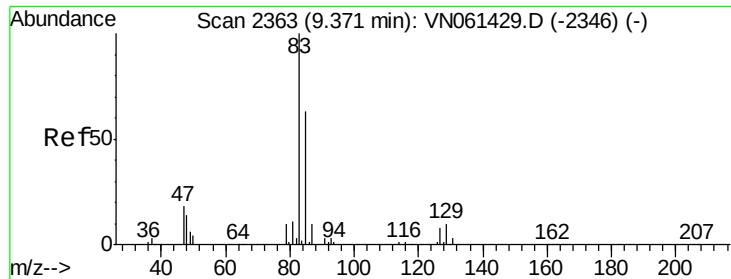
MMDadoda
 5/21/2020 1:16:14 PM



#46
 Dibromomethane
 Concen: 20.619 ug/l
 RT: 9.17 min Scan# 2301
 Delta R.T. -0.00 min
 Lab File: VN061501.D
 Acq: 20 May 2020 15:23

Tgt Ion: 93 Resp: 58046
 Ion Ratio Lower Upper
 93 100
 95 84.2 65.6 98.4
 174 89.5 68.0 102.0





#47

Bromodichloromethane

Concen: 20.179 ug/l

RT: 9.37 min Scan# 2362

Delta R.T. -0.00 min

Lab File: VN061501.D

Acq: 20 May 2020 15:23

Instrument :

MSVOA_N

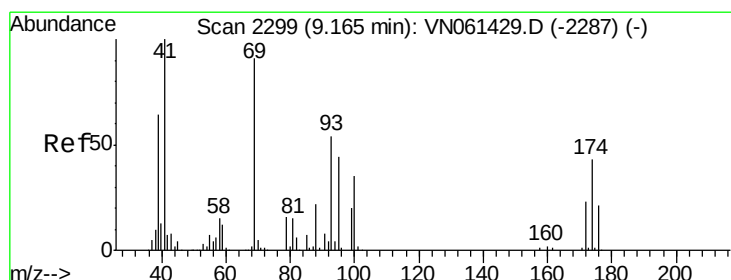
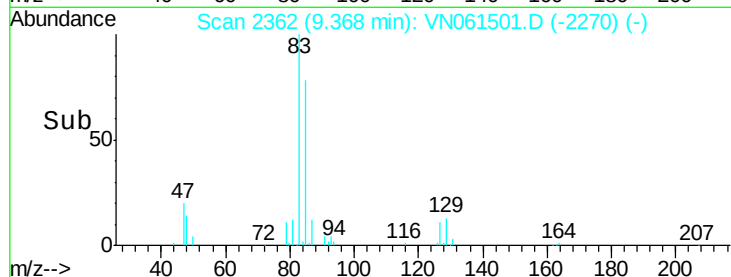
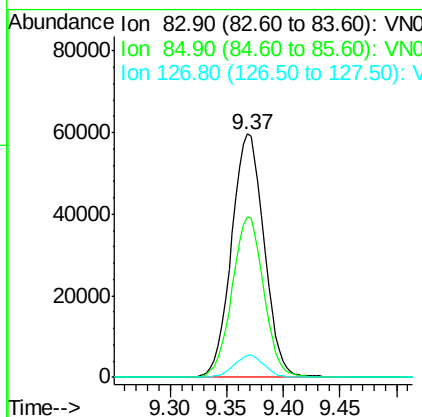
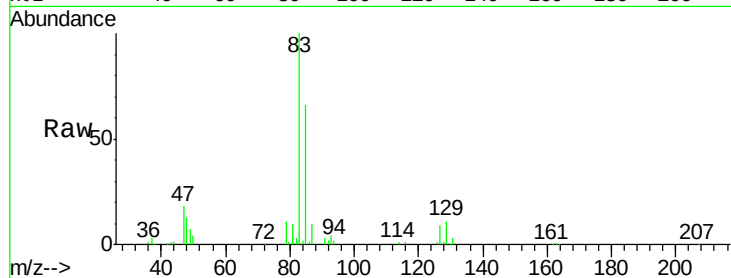
ClientSampleId :

VN0520WBS01

Tot Ion:	83	Resp:	119687
Ion Ratio	Lower	Upper	
83	100		
85	66.1	50.6	76.0
127	9.0	6.1	9.1

Manual Integrations
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MMDadoda
5/21/2020 1:16:14 PM



#48

Methyl methacrylate

Concen: 17.732 ug/l

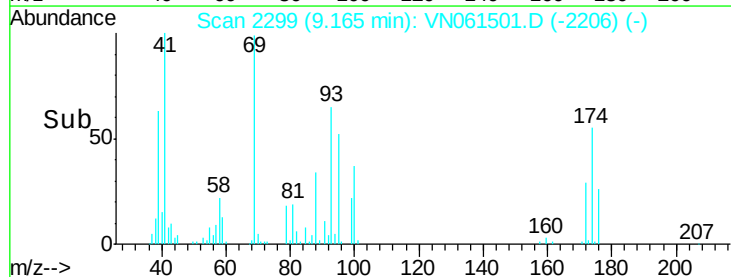
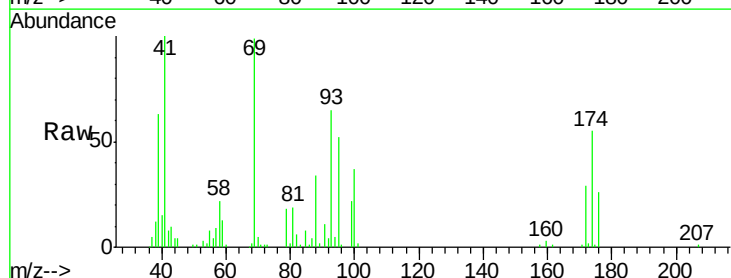
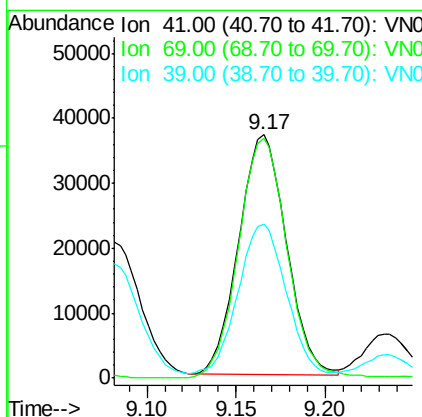
RT: 9.17 min Scan# 2299

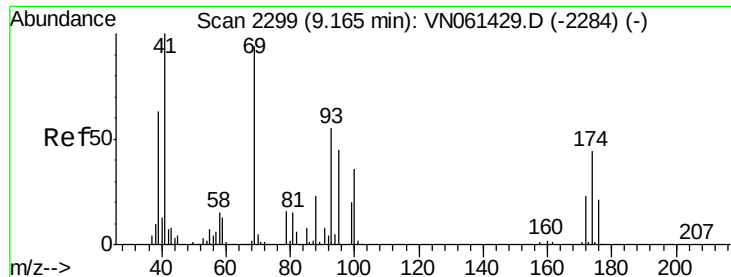
Delta R.T. -0.00 min

Lab File: VN061501.D

Acq: 20 May 2020 15:23

Tgt Ion:	41	Resp:	68977
Ion Ratio	Lower	Upper	
41	100		
69	102.5	75.3	112.9
39	66.0	52.6	79.0





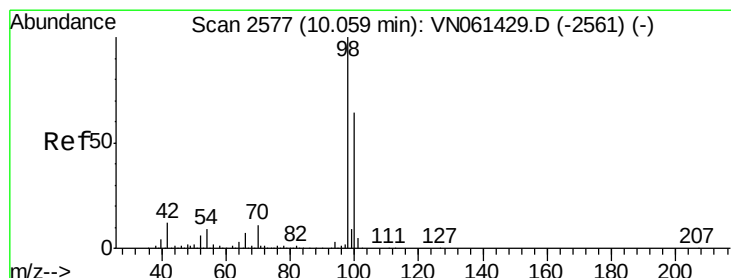
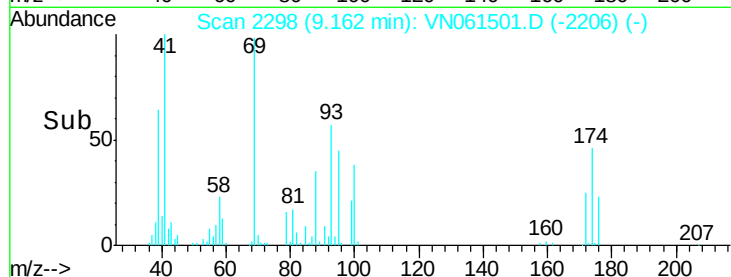
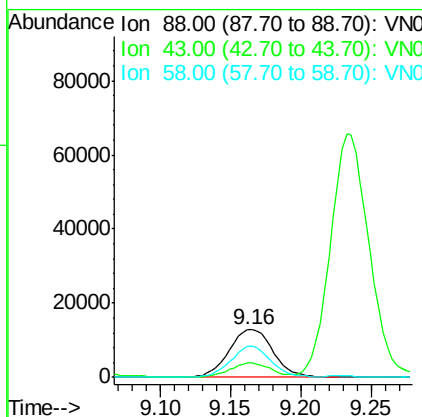
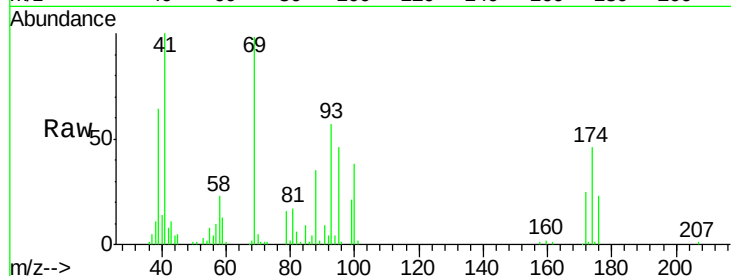
#49
1,4-Dioxane
Concen: 673.449 ug/l
RT: 9.16 min Scan# 2298
Delta R.T. -0.00 min
Lab File: VN061501.D
Acq: 20 May 2020 15:23

Instrument :
MSVOA_N
ClientSampleId :
VN0520WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	29.3	26.3	39.5
58	59.6	54.1	81.1

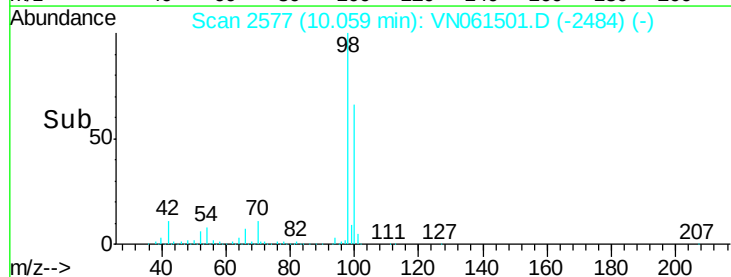
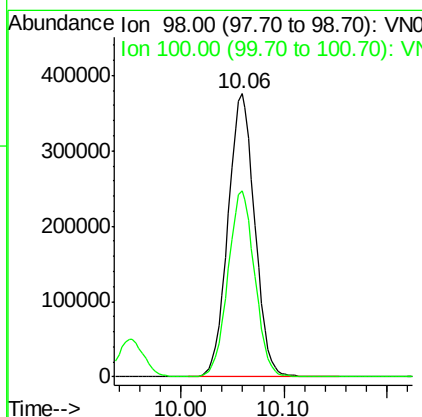
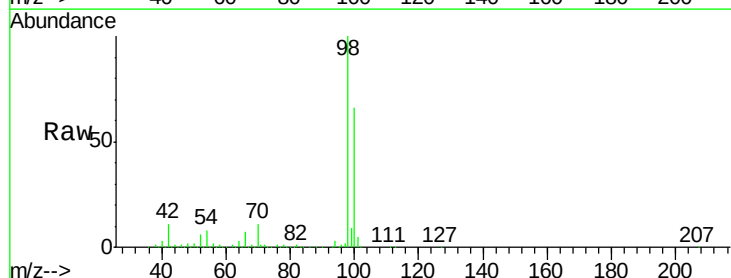
Manual Integrations
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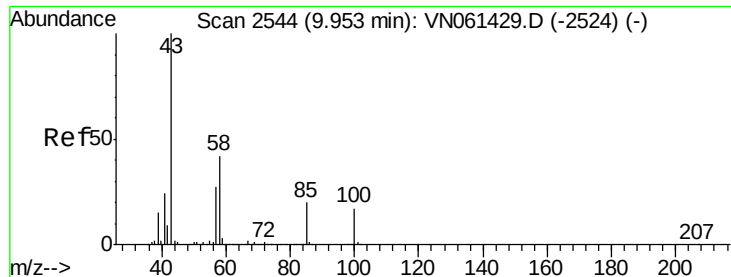
MMDadoda
5/21/2020 1:16:14 PM



#50
Toluene-d8
Concen: 49.139 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. -0.00 min
Lab File: VN061501.D
Acq: 20 May 2020 15:23

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.5	51.8	77.8





#51

4-Methyl-2-Pentanone

Concen: 98.885 ug/l

RT: 9.95 min Scan# 2543

Delta R.T. -0.00 min

Lab File: VN061501.D

Acq: 20 May 2020 15:23

Instrument :

MSVOA_N

ClientSampleId :

VN0520WBS01

Tot Ion: 43 Resp: 453607

Ion Ratio Lower Upper

43 100

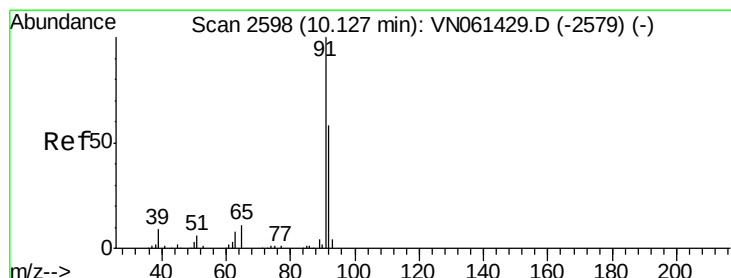
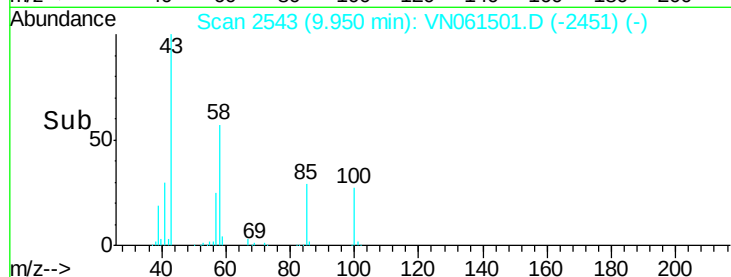
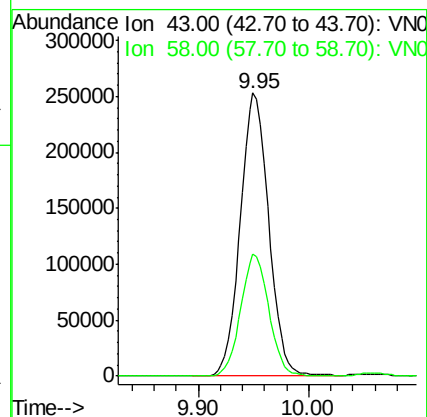
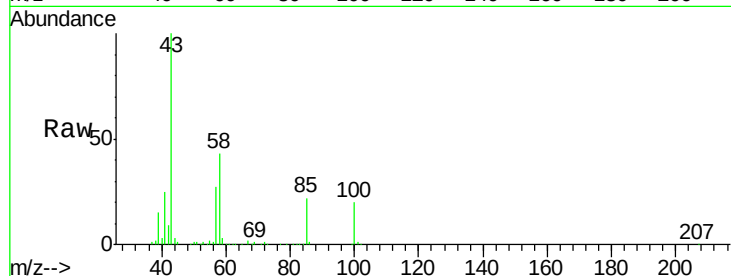
58 42.5 33.4 50.2

Manual Integrations

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5/21/2020 1:16:14 PM



#52

Toluene

Concen: 21.117 ug/l

RT: 10.12 min Scan# 2597

Delta R.T. -0.00 min

Lab File: VN061501.D

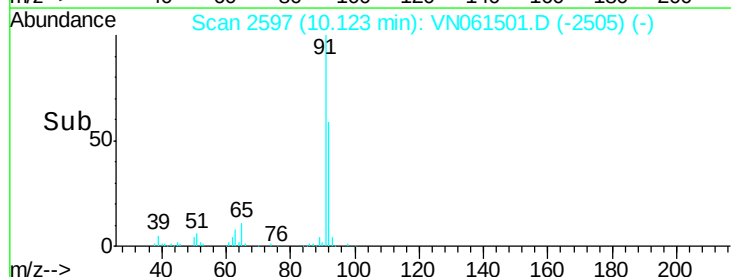
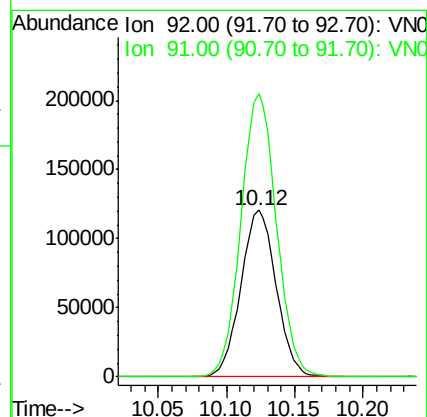
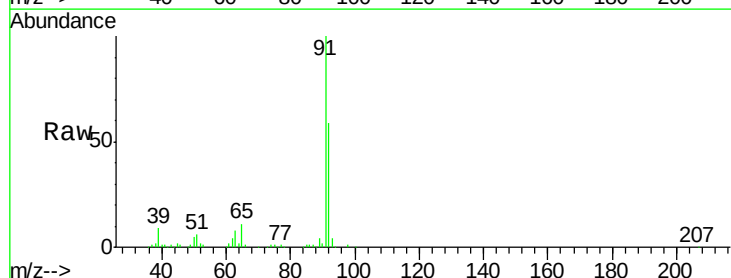
Acq: 20 May 2020 15:23

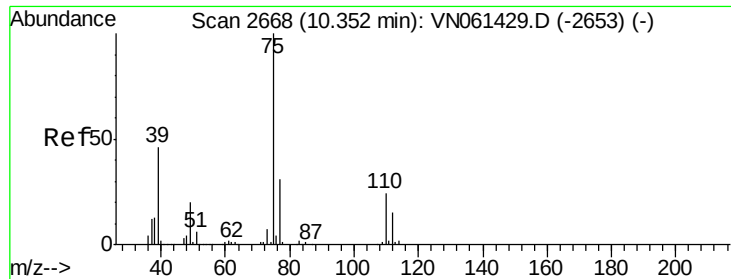
Tgt Ion: 92 Resp: 217509

Ion Ratio Lower Upper

92 100

91 170.5 138.0 207.0





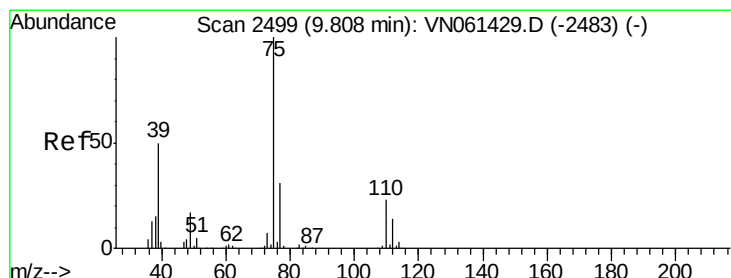
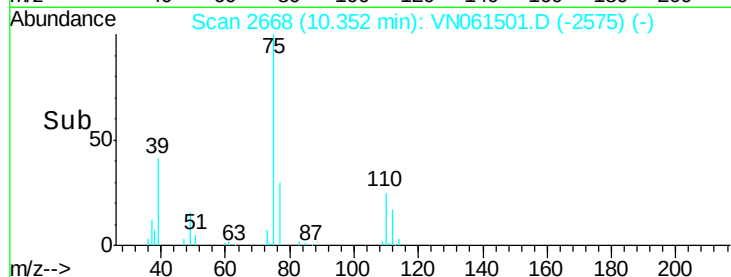
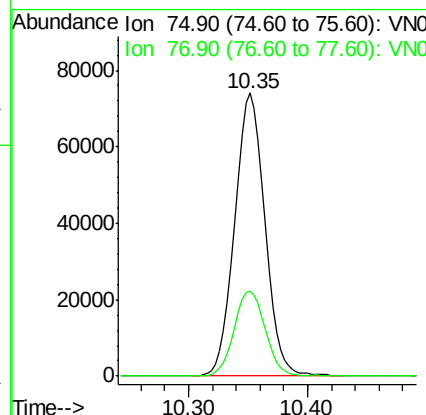
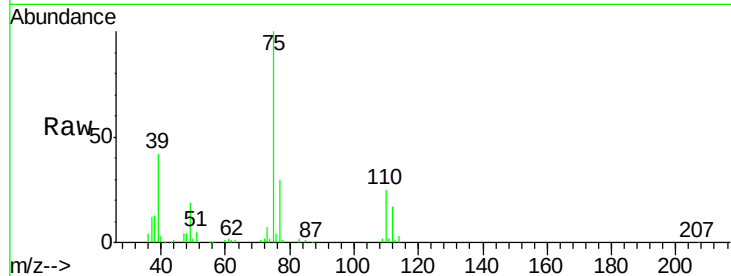
#53
t-1,3-Dichloropropene
Concen: 20.063 ug/l
RT: 10.35 min Scan# 2668
Delta R.T. -0.00 min
Lab File: VN061501.D
Acq: 20 May 2020 15:23

Instrument :
MSVOA_N
ClientSampled :
VN0520WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.0	24.8	37.2

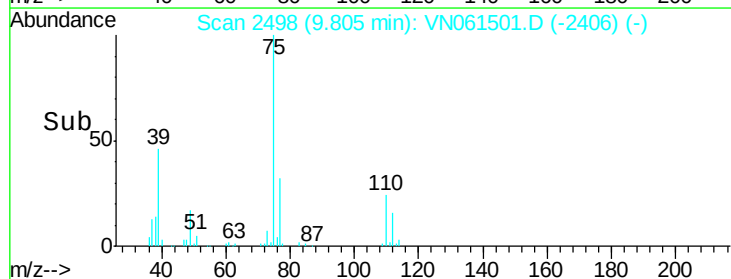
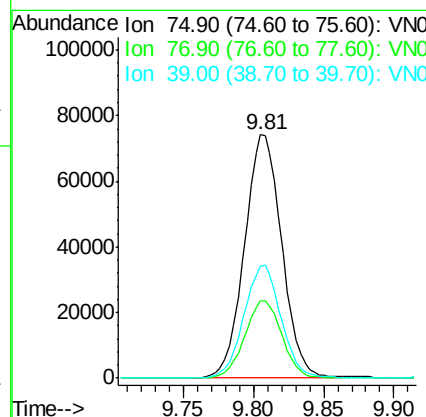
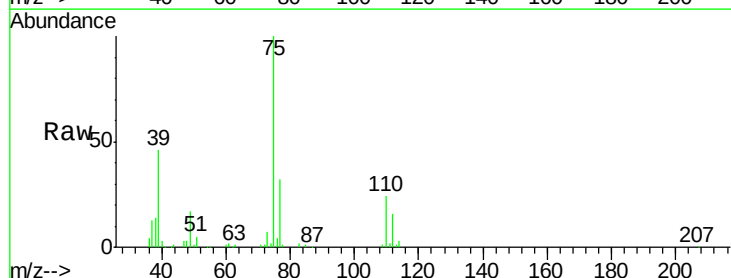
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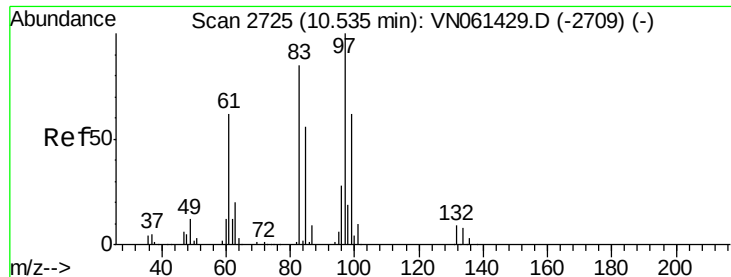
MMDadoda
5/21/2020 1:16:14 PM



#54
cis-1,3-Dichloropropene
Concen: 19.900 ug/l
RT: 9.81 min Scan# 2498
Delta R.T. -0.00 min
Lab File: VN061501.D
Acq: 20 May 2020 15:23

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.8	24.8	37.2
39	45.7	39.8	59.6





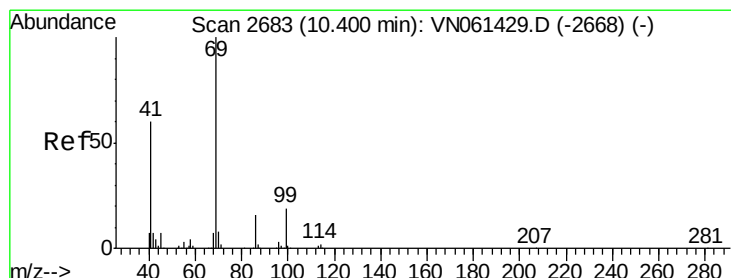
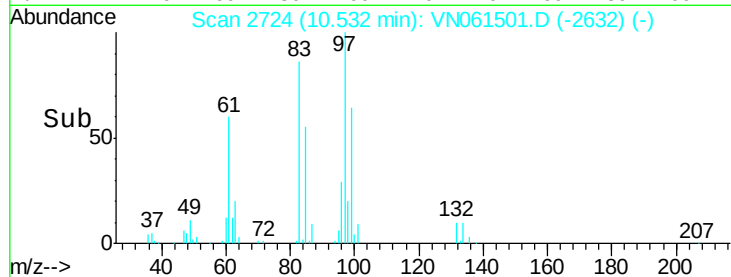
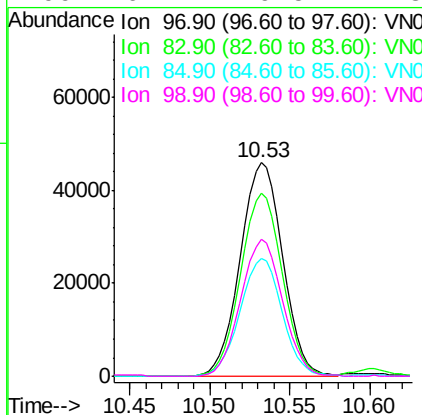
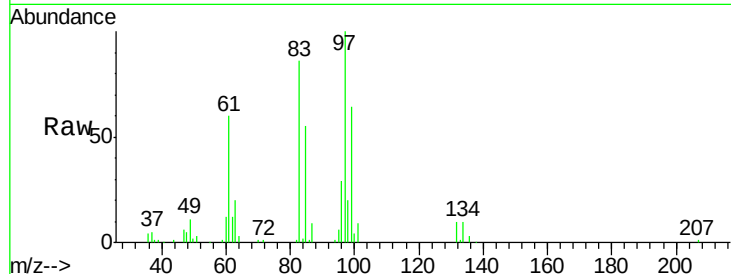
#55
 1,1,2-Trichloroethane
 Concen: 21.426 ug/l
 RT: 10.53 min Scan# 2724
 Delta R.T. -0.00 min
 Lab File: VN061501.D
 Acq: 20 May 2020 15:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0520WBS01

Tot Ion:	97	Resp:	83435
Ion	Ratio	Lower	Upper
97	100		
83	85.6	68.2	102.4
85	55.3	44.6	67.0
99	64.1	49.5	74.3

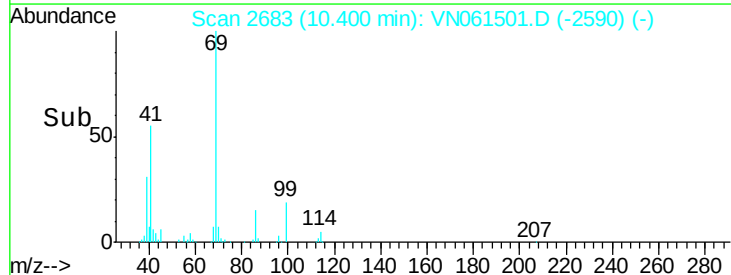
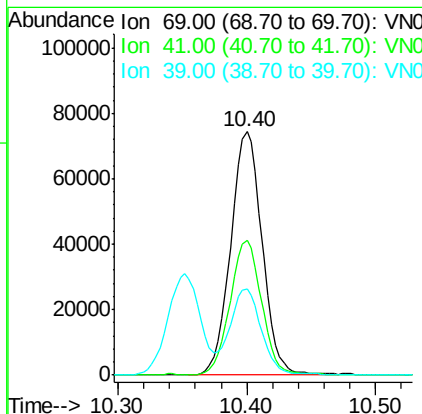
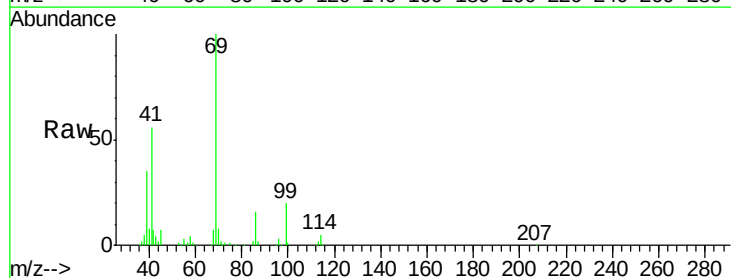
Manual Integrations
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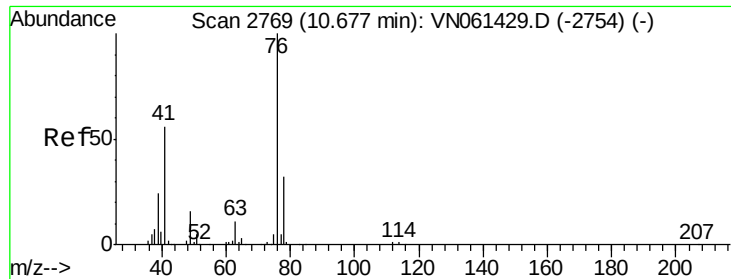
MMDadoda
 5/21/2020 1:16:14 PM



#56
 Ethyl methacrylate
 Concen: 20.751 ug/l
 RT: 10.40 min Scan# 2683
 Delta R.T. -0.00 min
 Lab File: VN061501.D
 Acq: 20 May 2020 15:23

Tgt Ion:	69	Resp:	126336
Ion	Ratio	Lower	Upper
69	100		
41	54.8	48.3	72.5
39	35.0	30.2	45.2





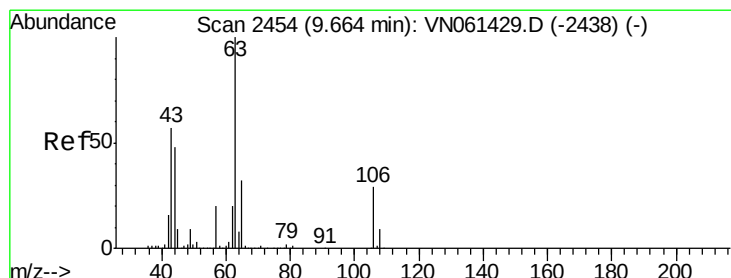
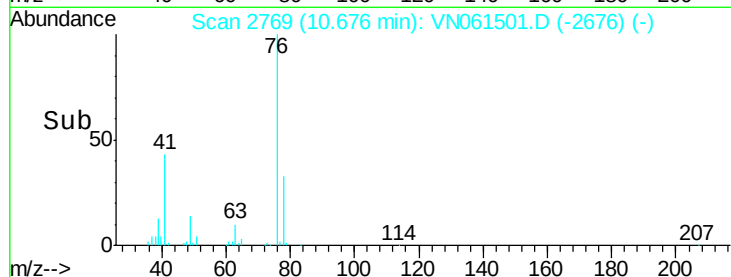
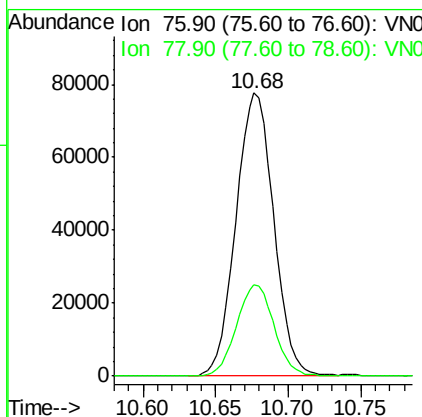
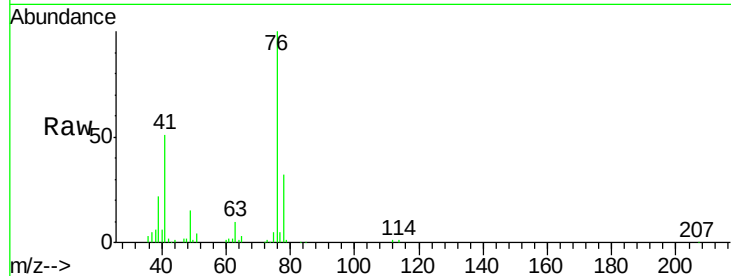
#57
 1,3-Dichloropropane
 Concen: 20.881 ug/l
 RT: 10.68 min Scan# 2769
 Delta R.T. -0.00 min
 Lab File: VN061501.D
 Acq: 20 May 2020 15:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0520WBS01

Tot Ion: 76 Resp: 140529
 Ion Ratio Lower Upper
 76 100
 78 32.1 26.0 39.0

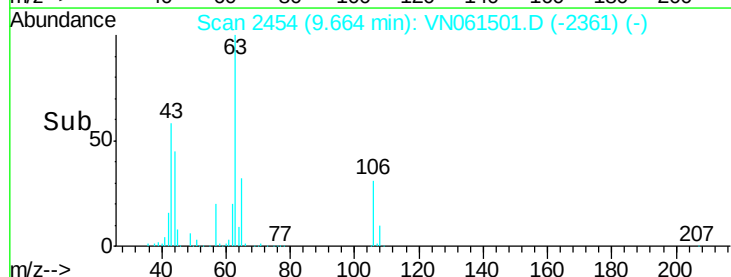
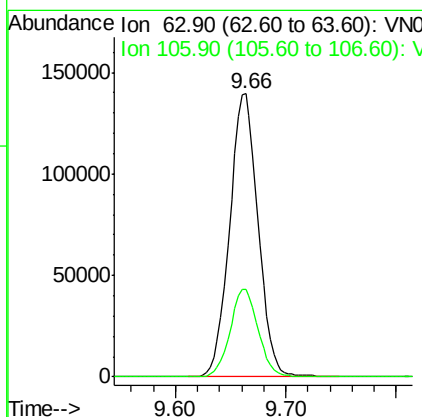
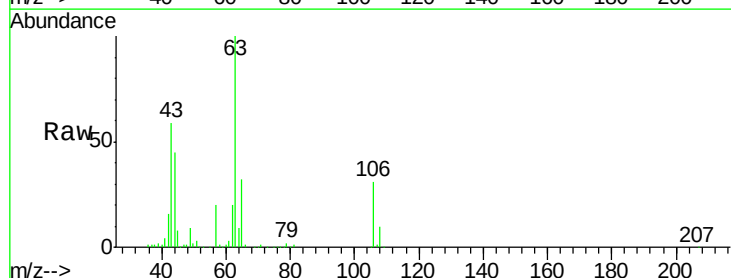
Manual Integrations
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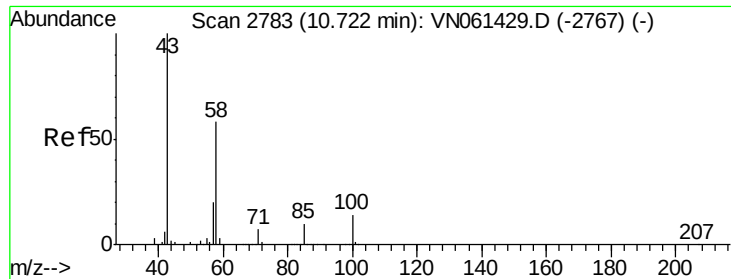
MMDadoda
 5/21/2020 1:16:14 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 93.495 ug/l
 RT: 9.66 min Scan# 2454
 Delta R.T. -0.00 min
 Lab File: VN061501.D
 Acq: 20 May 2020 15:23

Tgt Ion: 63 Resp: 249844
 Ion Ratio Lower Upper
 63 100
 106 30.6 22.7 34.1





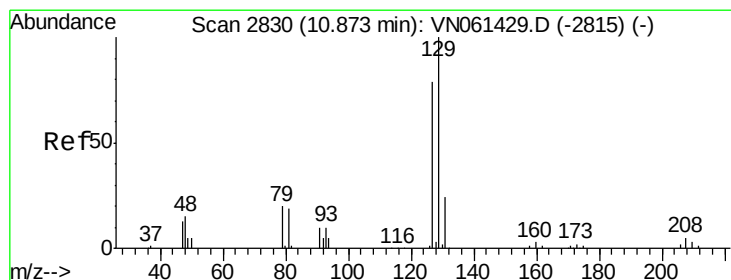
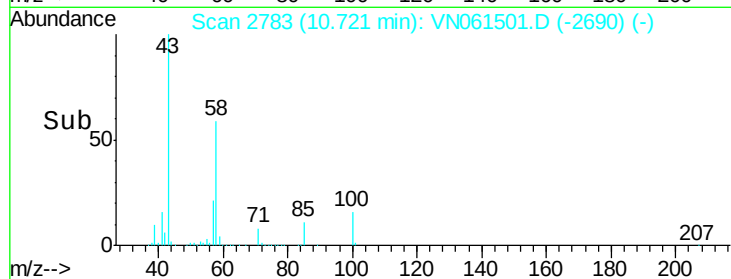
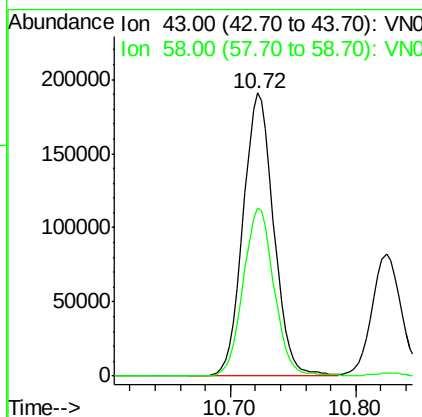
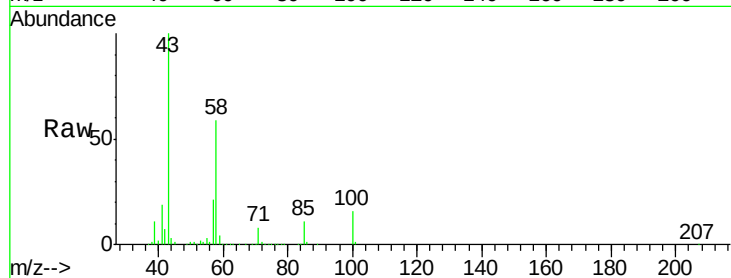
#59
2-Hexanone
Concen: 97.962 ug/l
RT: 10.72 min Scan# 2783
Delta R.T. -0.00 min
Lab File: VN061501.D
Acq: 20 May 2020 15:23

Instrument :
MSVOA_N
ClientSampleId :
VN0520WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	59.9	29.2	87.6

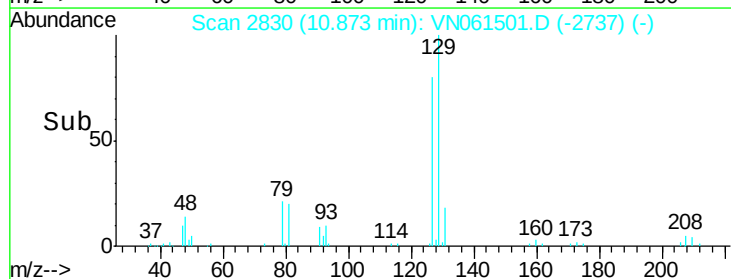
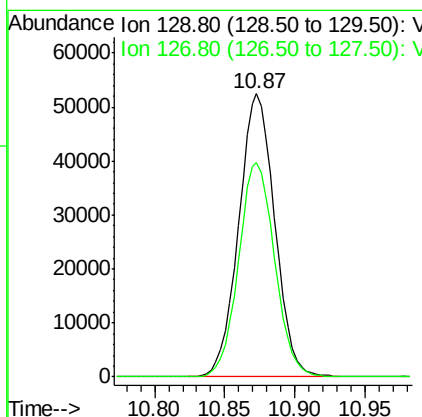
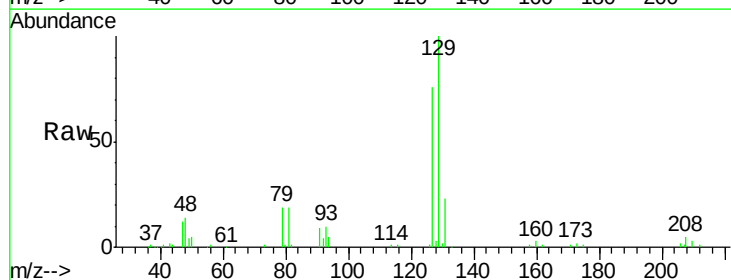
Manual Integrations
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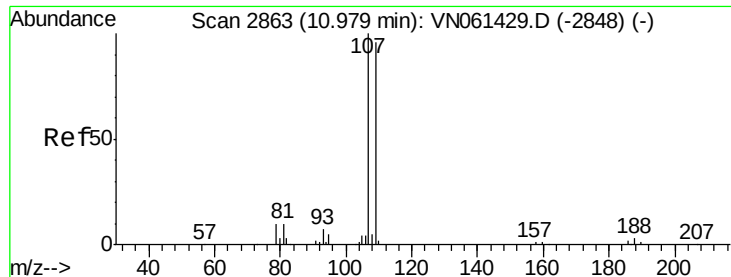
MMDadoda
5/21/2020 1:16:14 PM



#60
Dibromochloromethane
Concen: 21.771 ug/l
RT: 10.87 min Scan# 2830
Delta R.T. -0.00 min
Lab File: VN061501.D
Acq: 20 May 2020 15:23

Tgt Ion	Ratio	Lower	Upper
129	100		
127	76.0	38.8	116.3





#61

1,2-Dibromoethane

Concen: 21.921 ug/l

RT: 10.98 min Scan# 2862

Delta R.T. -0.00 min

Lab File: VN061501.D

Acq: 20 May 2020 15:23

Instrument :

MSVOA_N

ClientSampleId :

VN0520WBS01

Tot Ion: 107 Resp: 89755

Ion Ratio Lower Upper

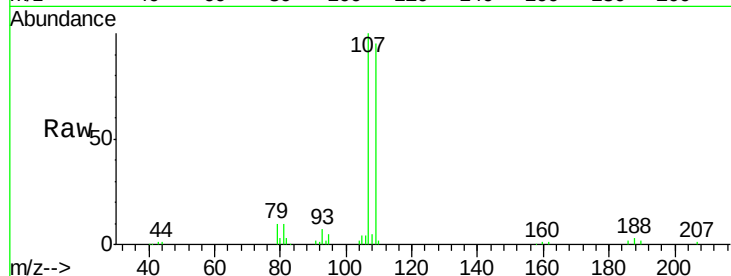
107 100

109 92.9 75.7 113.5

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

10.98

50000

40000

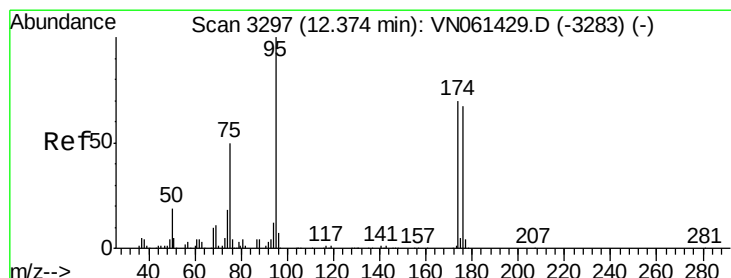
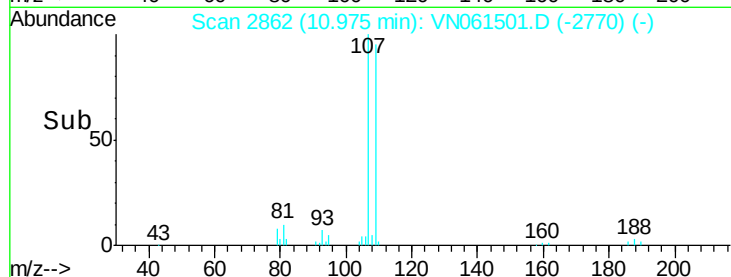
30000

20000

10000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 49.342 ug/l

RT: 12.37 min Scan# 3297

Delta R.T. -0.00 min

Lab File: VN061501.D

Acq: 20 May 2020 15:23

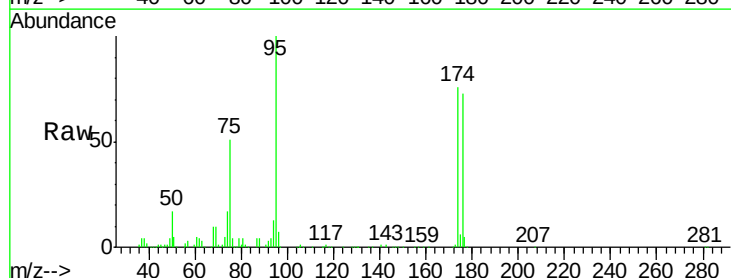
Tgt Ion: 95 Resp: 255033

Ion Ratio Lower Upper

95 100

174 75.8 0.0 141.2

176 72.0 0.0 137.6



Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

200000

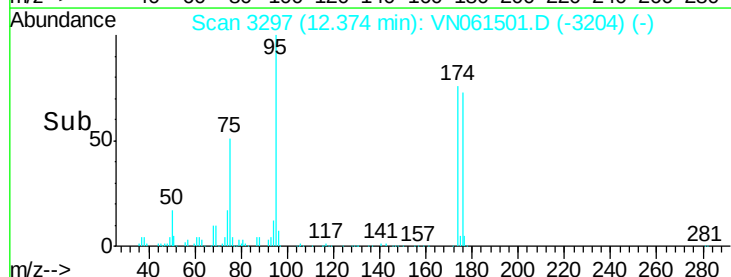
150000

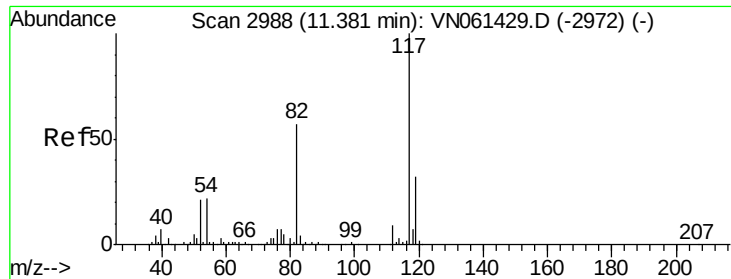
100000

50000

0

Time-->





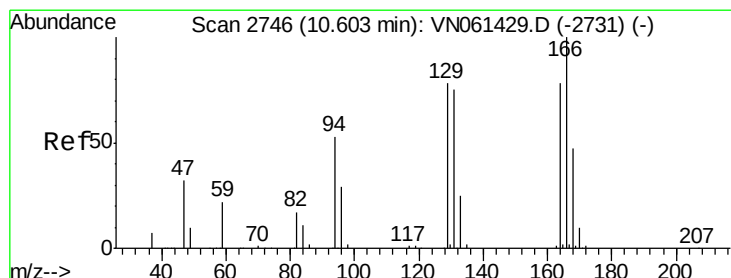
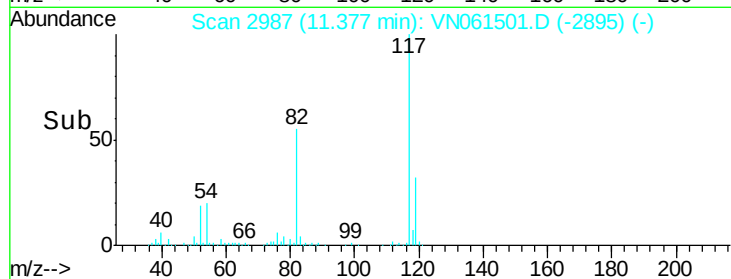
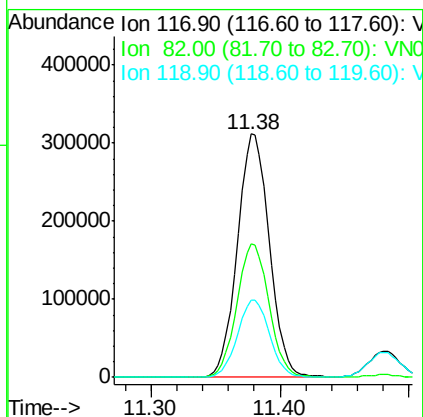
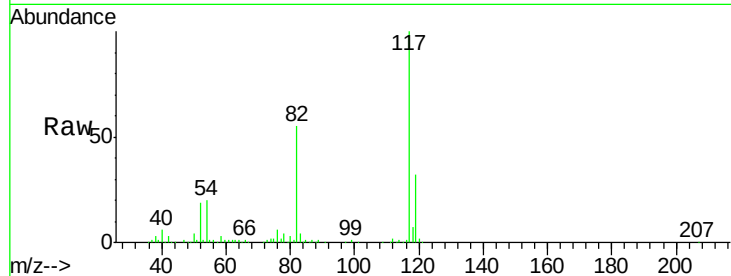
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2987
Delta R.T. -0.00 min
Lab File: VN061501.D
Acq: 20 May 2020 15:23

Instrument :
MSVOA_N
ClientSampleId :
VN0520WBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	538963		
82	54.6		45.2	67.8
119	31.6		25.3	37.9

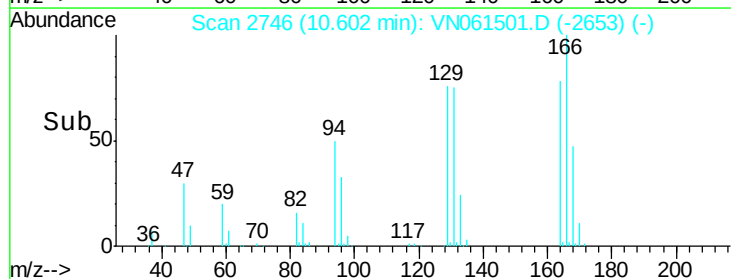
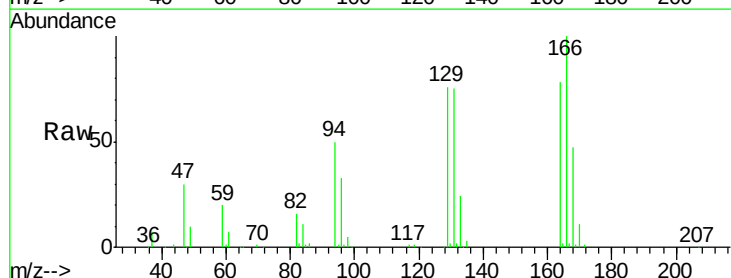
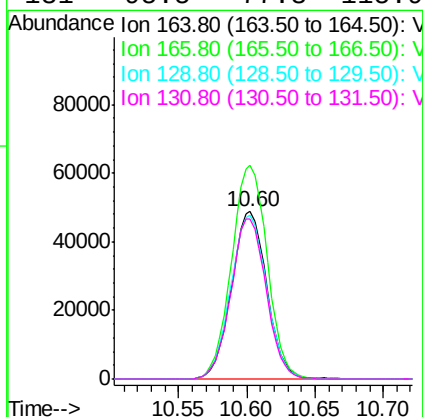
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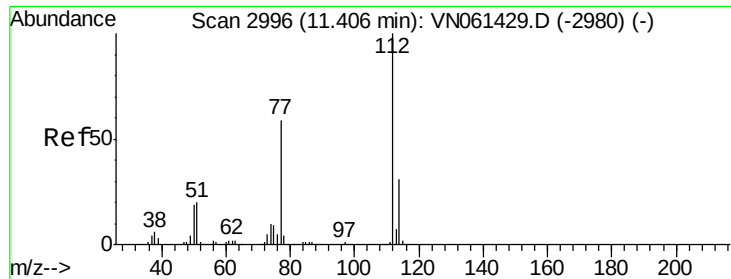
MMDadoda
5/21/2020 1:16:14 PM



#64
Tetrachloroethene
Concen: 21.058 ug/l
RT: 10.60 min Scan# 2746
Delta R.T. -0.00 min
Lab File: VN061501.D
Acq: 20 May 2020 15:23

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	87805		
166	127.8		103.2	154.8
129	97.7		81.0	121.4
131	95.5		77.3	115.9





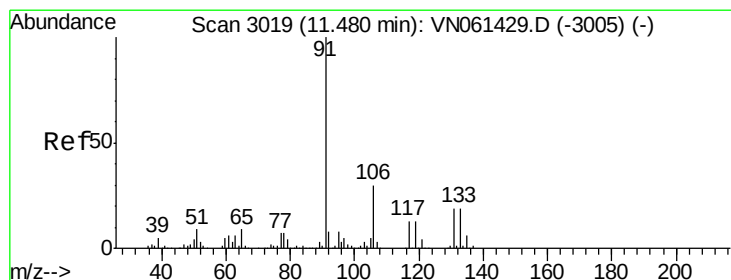
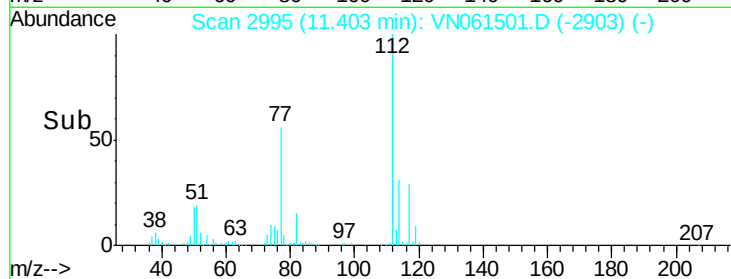
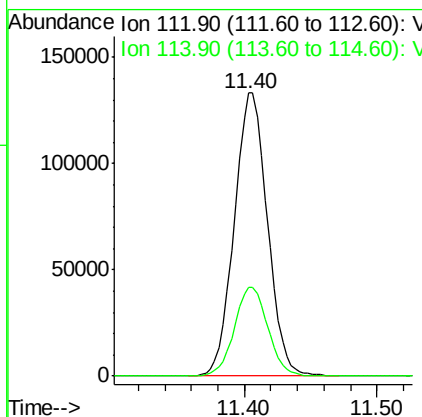
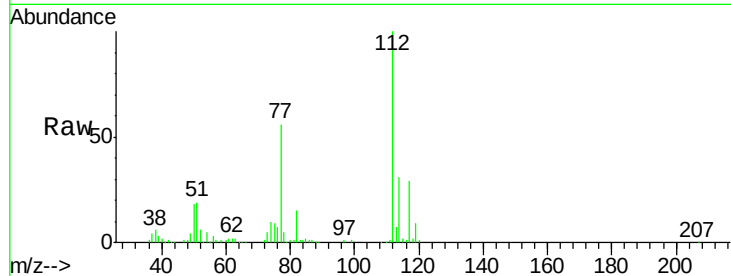
#65
Chlorobenzene
Concen: 21.084 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. -0.00 min
Lab File: VN061501.D
Acq: 20 May 2020 15:23

Instrument :
MSVOA_N
ClientSampled :
VN0520WBS01

Tot Ion	Ratio	Resp	Lower	Upper
112	100	231733		
114	31.4	25.0	37.6	

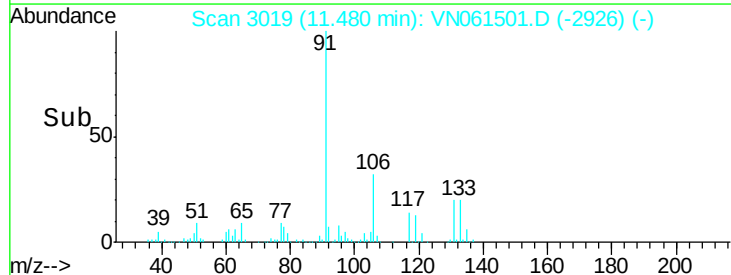
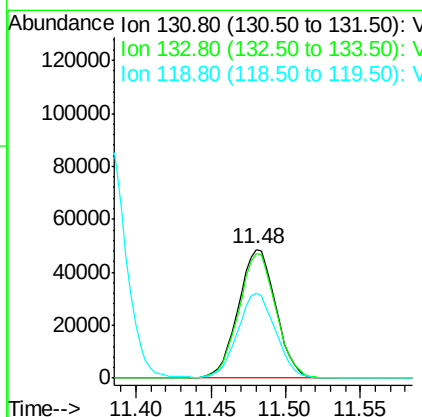
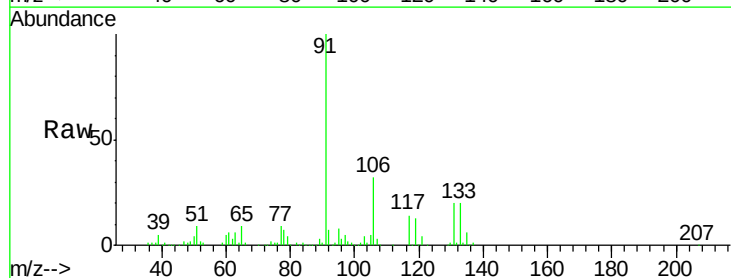
Manual Integrations
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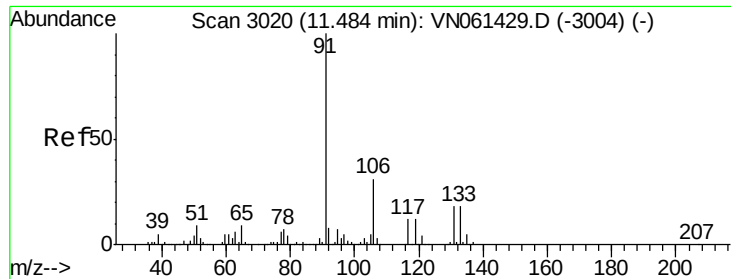
MMDadoda
5/21/2020 1:16:14 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 21.585 ug/l
RT: 11.48 min Scan# 3019
Delta R.T. -0.00 min
Lab File: VN061501.D
Acq: 20 May 2020 15:23

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	85048		
133	95.9	48.7	146.1	
119	66.7	33.8	101.3	





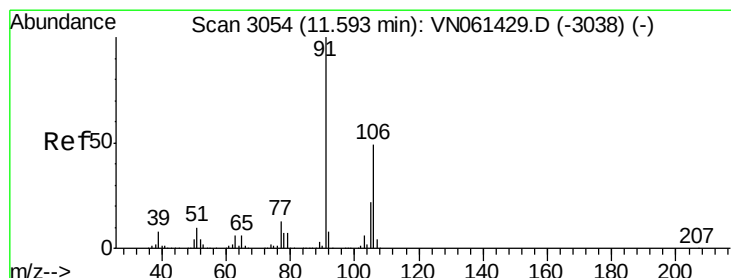
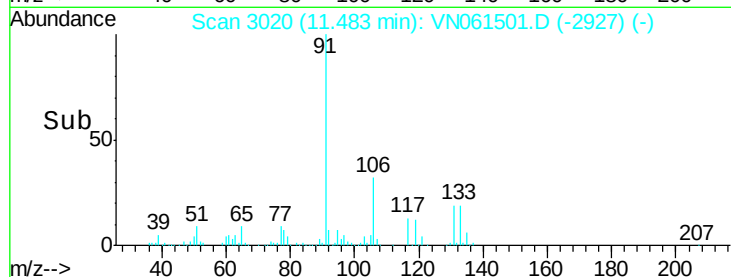
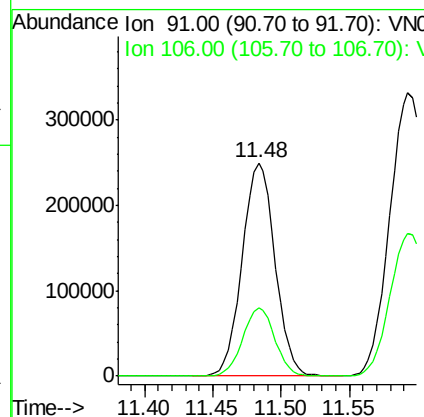
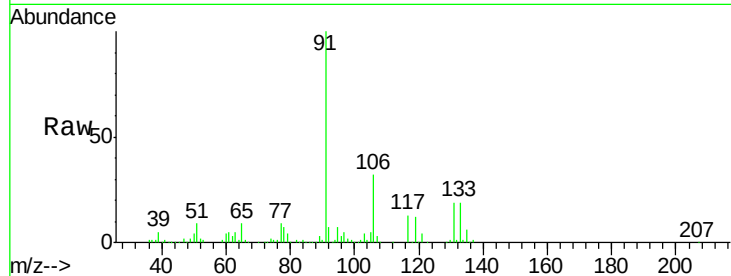
#67
Ethyl Benzene
Concen: 20.788 ug/l
RT: 11.48 min Scan# 3020
Delta R.T. -0.00 min
Lab File: VN061501.D
Acq: 20 May 2020 15:23

Instrument :
MSVOA_N
ClientSampleId :
VN0520WBS01

Tot Ion: 91 Resp: 417048
Ion Ratio Lower Upper
91 100
106 32.1 24.6 36.8

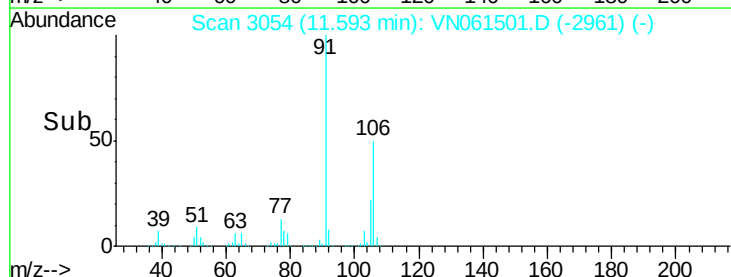
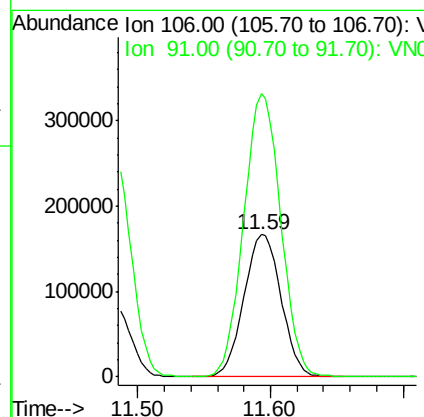
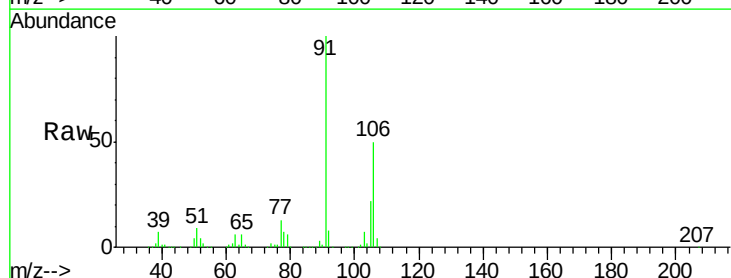
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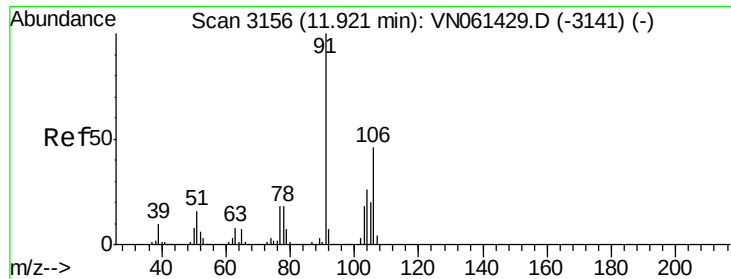
MMDadoda
5/21/2020 1:16:14 PM



#68
m/p-Xylenes
Concen: 42.438 ug/l
RT: 11.59 min Scan# 3054
Delta R.T. -0.00 min
Lab File: VN061501.D
Acq: 20 May 2020 15:23

Tgt Ion: 106 Resp: 323170
Ion Ratio Lower Upper
106 100
91 199.1 163.0 244.6





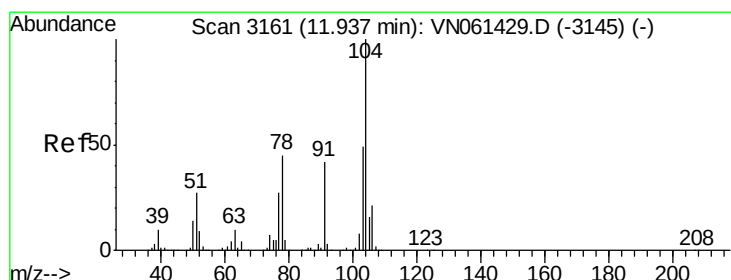
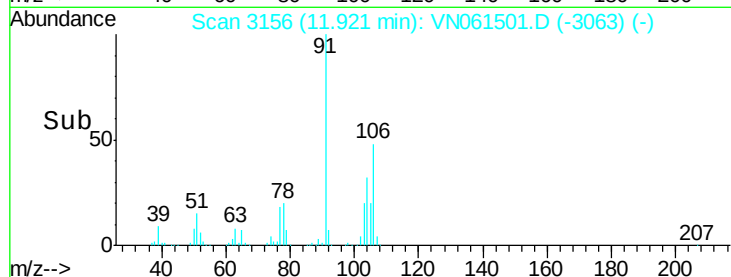
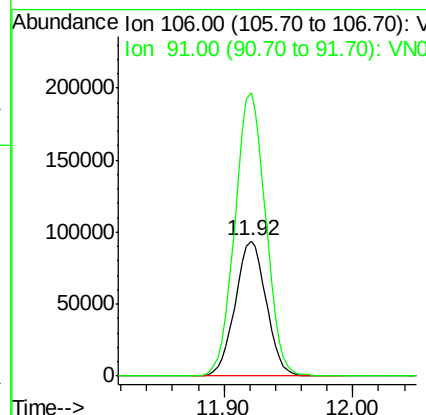
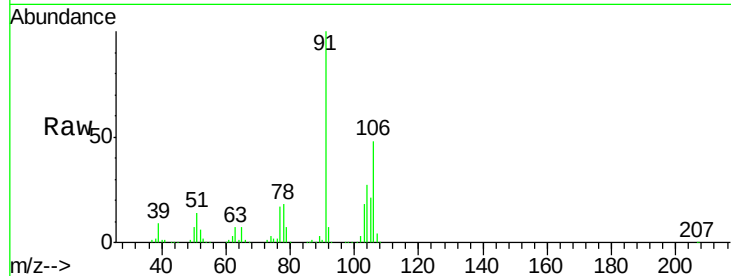
#69
o-Xylene
Concen: 21.247 ug/l
RT: 11.92 min Scan# 3156
Delta R.T. -0.00 min
Lab File: VN061501.D
Acq: 20 May 2020 15:23

Instrument :
MSVOA_N
ClientSampled :
VN0520WBS01

Tot Ion	Ratio	Lower	Upper
106	100		
91	208.6	107.9	323.7

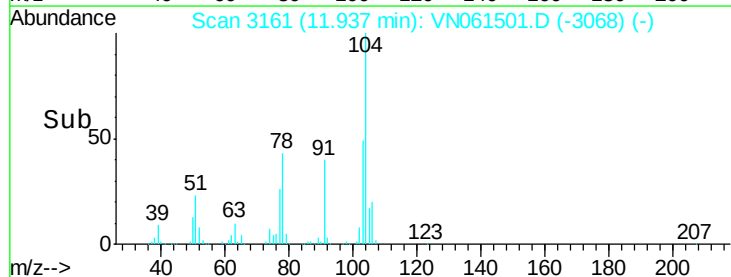
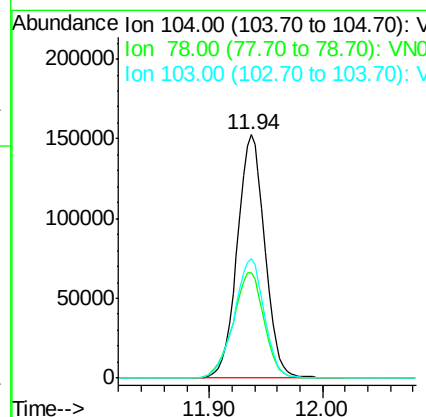
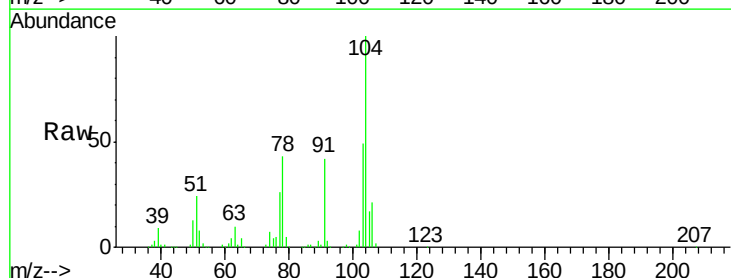
Manual Integrations
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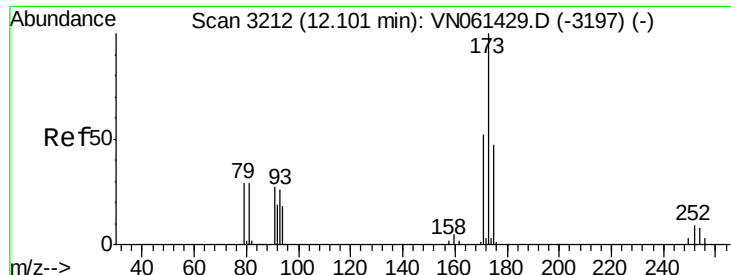
MMDadoda
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#70
Styrene
Concen: 21.211 ug/l
RT: 11.94 min Scan# 3161
Delta R.T. -0.00 min
Lab File: VN061501.D
Acq: 20 May 2020 15:23

Tgt Ion	Ratio	Lower	Upper
104	100		
78	49.1	40.7	61.1
103	53.4	43.0	64.4





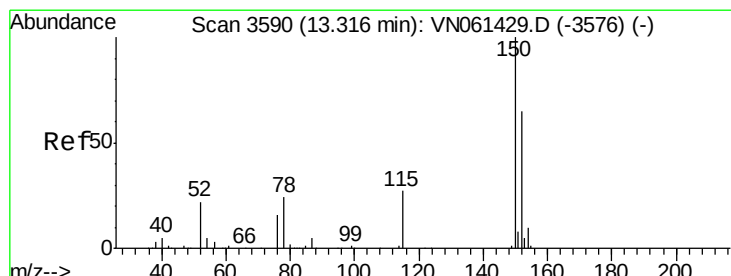
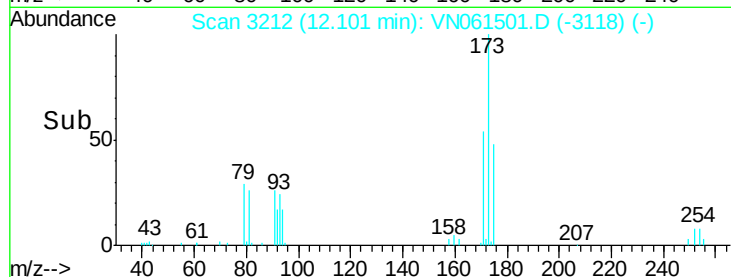
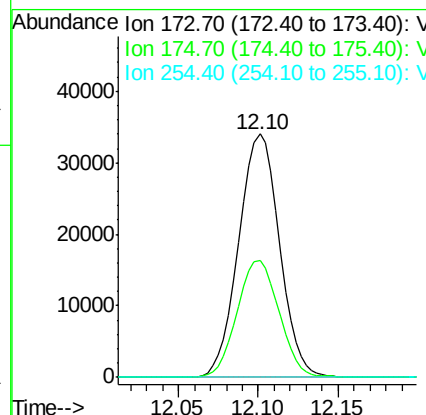
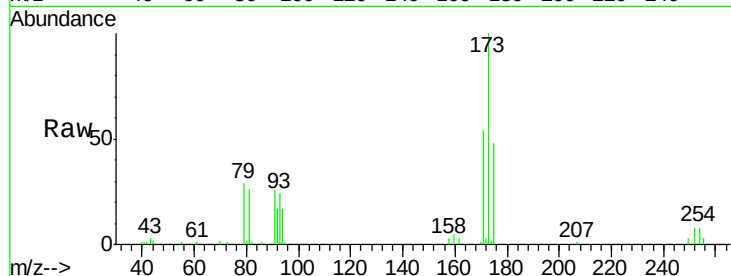
#71
Bromoform
Concen: 20.548 ug/l
RT: 12.10 min Scan# 3212
Delta R.T. 0.00 min
Lab File: VN061501.D
Acq: 20 May 2020 15:23

Instrument :
MSVOA_N
ClientSampleId :
VN0520WBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.4	23.9	71.8
254	0.0	0.0	0.0

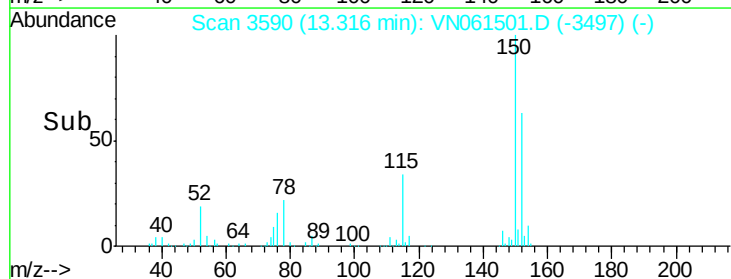
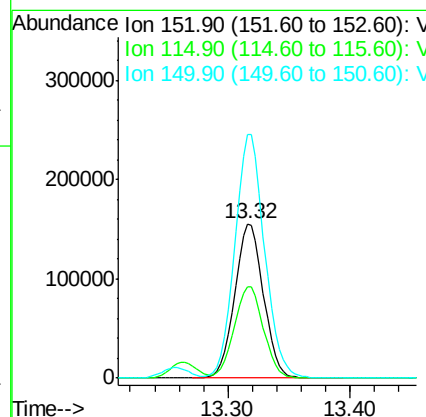
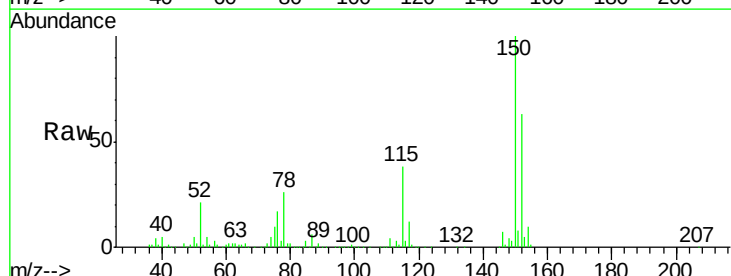
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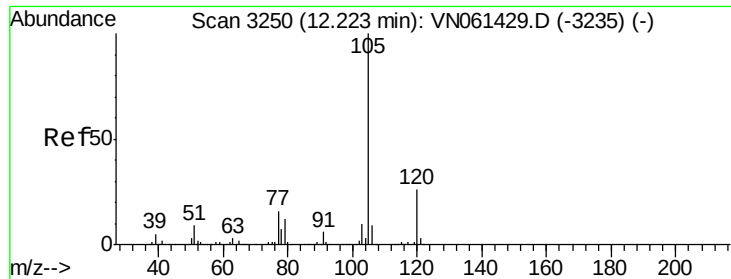
MMDadoda
5/21/2020 1:16:14 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3590
Delta R.T. -0.00 min
Lab File: VN061501.D
Acq: 20 May 2020 15:23

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.9	30.9	92.5
150	163.5	0.0	349.2





#73

Isopropylbenzene

Concen: 19.987 ug/l

RT: 12.22 min Scan# 3250

Delta R.T. -0.00 min

Lab File: VN061501.D

Acq: 20 May 2020 15:23

Instrument :

MSVOA_N

ClientSampled :

VN0520WBS01

Tot Ion:105 Resp: 408599

Ion Ratio Lower Upper

105 100

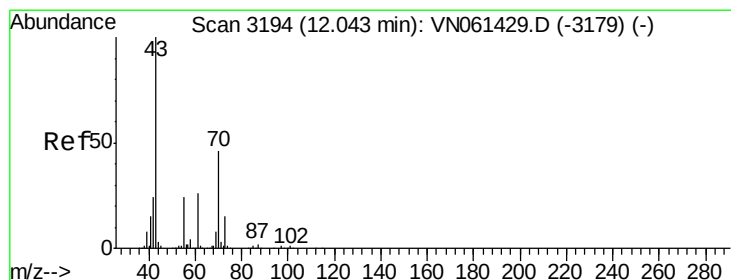
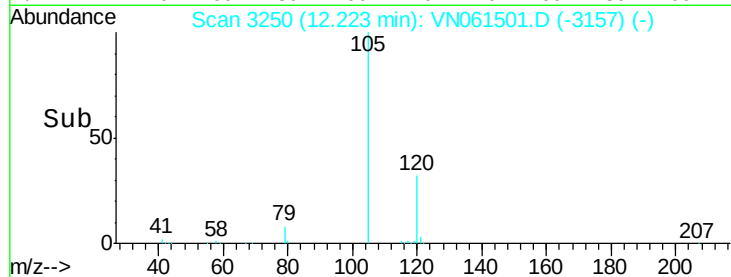
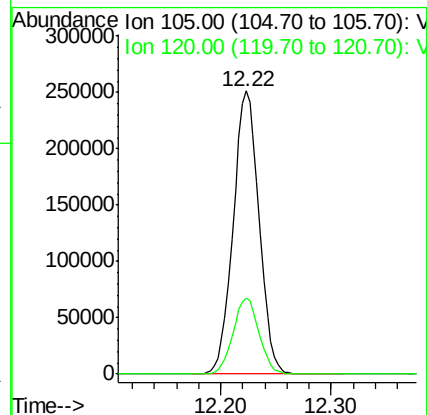
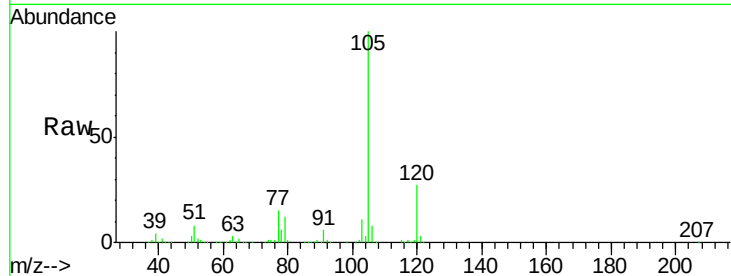
120 26.9 13.0 39.0

Manual Integrations

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#74

N-ethyl acetate

Concen: 18.141 ug/l

RT: 12.04 min Scan# 3194

Delta R.T. -0.00 min

Lab File: VN061501.D

Acq: 20 May 2020 15:23

Tgt Ion: 43 Resp: 135744

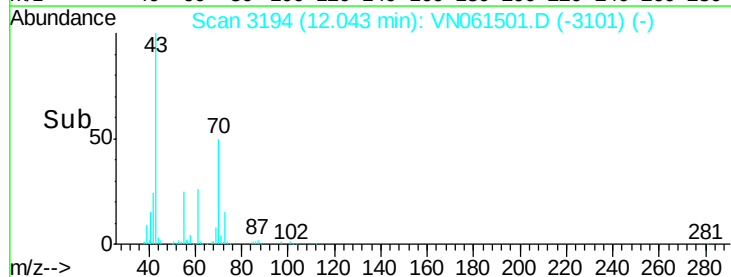
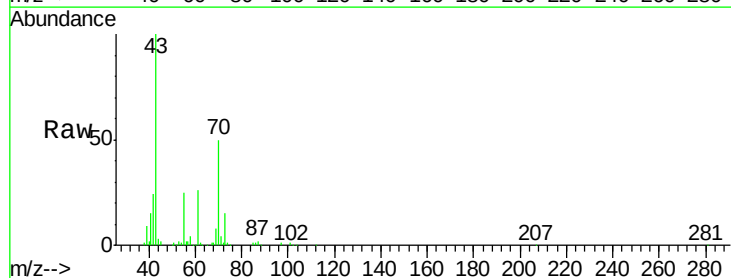
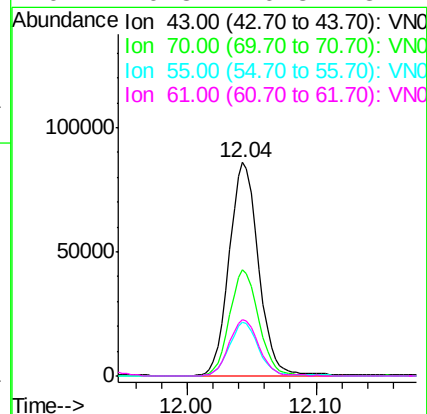
Ion Ratio Lower Upper

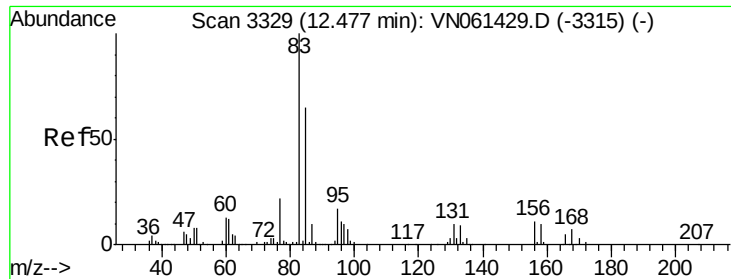
43 100

70 49.8 37.0 55.4

55 25.2 19.5 29.3

61 26.8 20.8 31.2





#75

1,1,2,2-Tetrachloroethane

Concen: 20.142 ug/l

RT: 12.48 min Scan# 3329

Delta R.T. -0.00 min

Lab File: VN061501.D

Acq: 20 May 2020 15:23

Instrument :

MSVOA_N

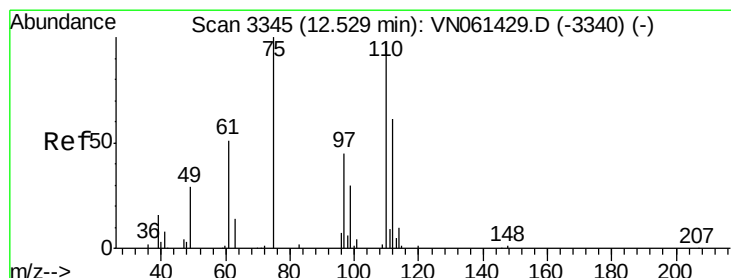
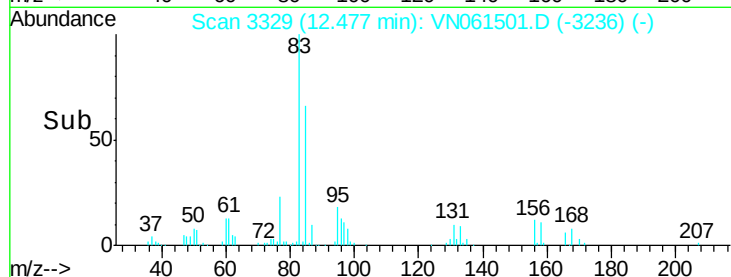
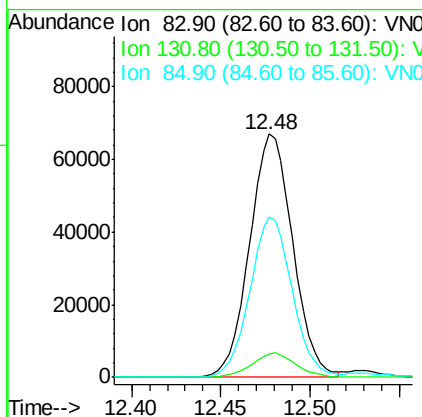
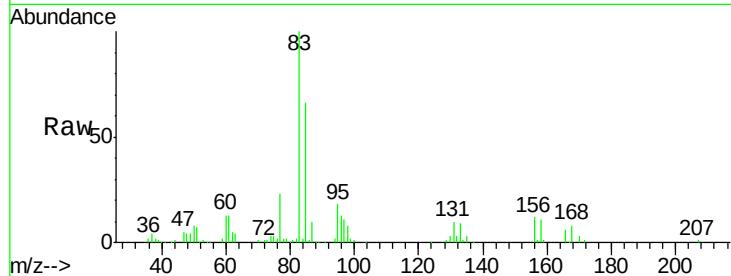
ClientSampleId :

VN0520WBS01

Tot Ion:	83	Resp:	113286
Ion Ratio	Lower	Upper	
83	100		
131	10.2	4.8	14.4
85	64.5	32.1	96.5

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#76

1,2,3-Trichloropropane

Concen: 19.268 ug/l m

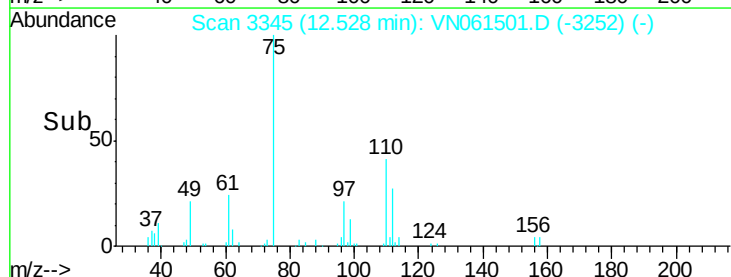
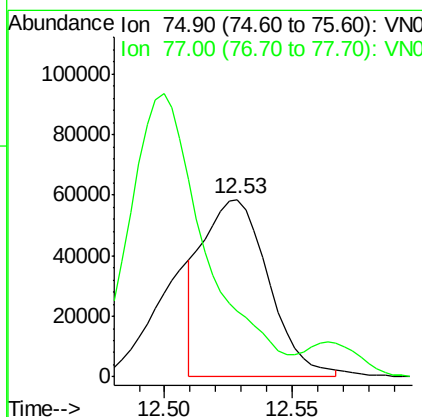
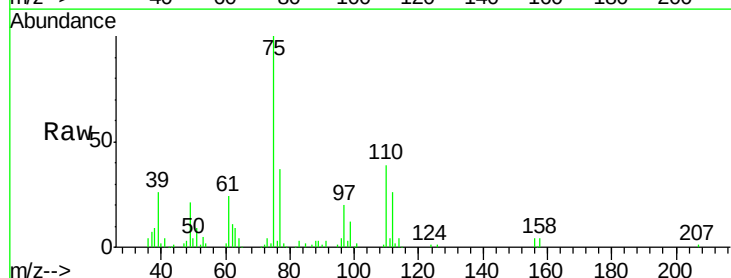
RT: 12.53 min Scan# 3345

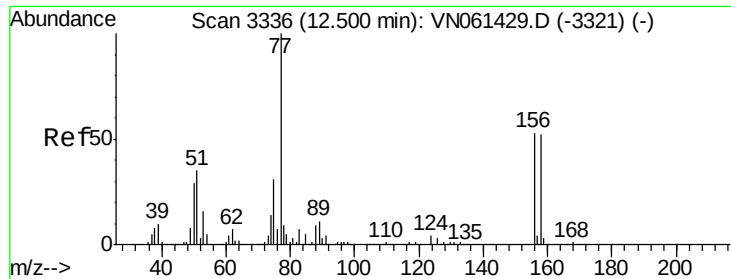
Delta R.T. -0.00 min

Lab File: VN061501.D

Acq: 20 May 2020 15:23

Tgt Ion:	75	Resp:	105281
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 21.568 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VN061501.D

Acq: 20 May 2020 15:23

Instrument :

MSVOA_N

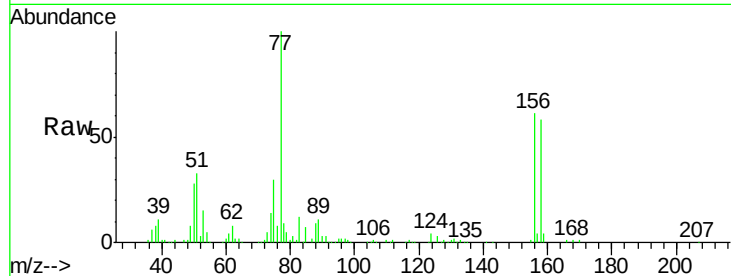
ClientSampled :

VN0520WBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	203.3	112.3	336.9
158	95.6	47.9	143.6

Manual Integrations
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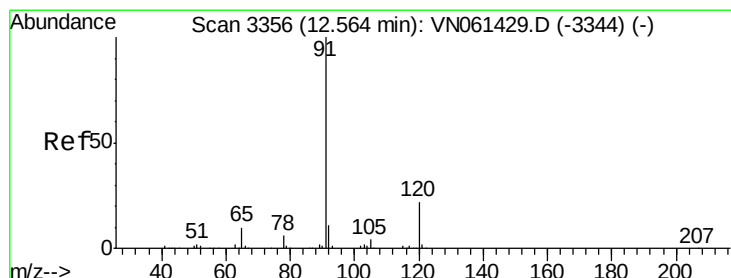
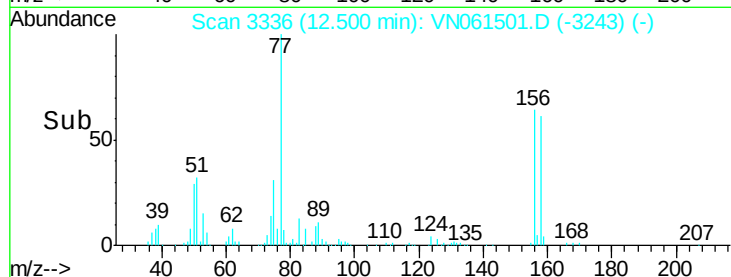
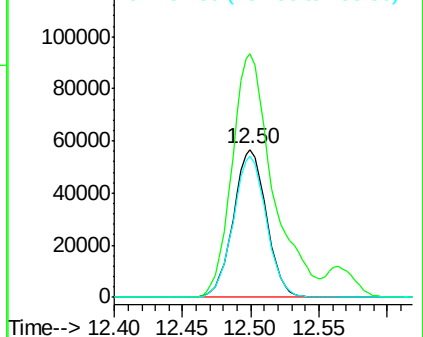


Abundance

Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.586 ug/l

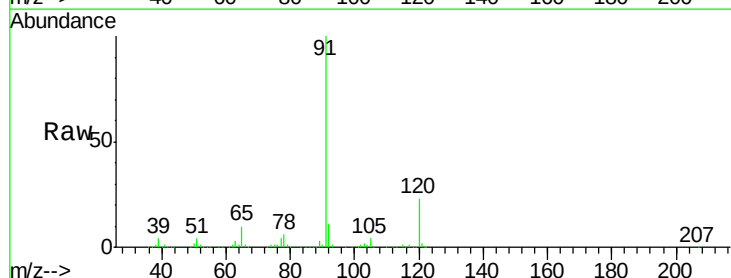
RT: 12.56 min Scan# 3356

Delta R.T. -0.00 min

Lab File: VN061501.D

Acq: 20 May 2020 15:23

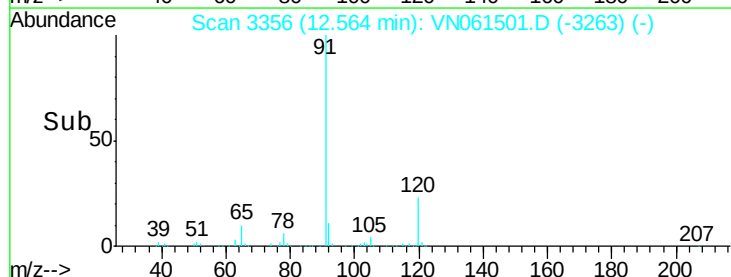
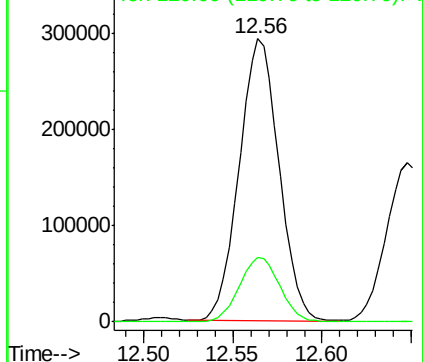
Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.4	11.2	33.6

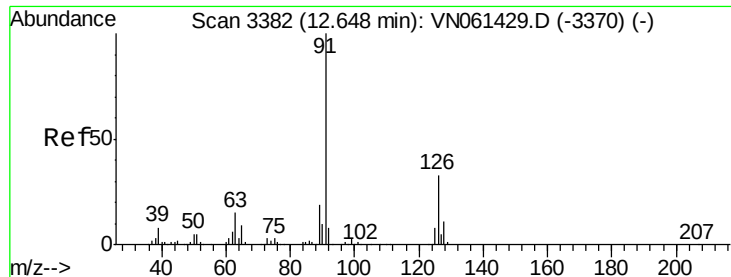


Abundance

Ion 91.00 (90.70 to 91.70): VN

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.611 ug/l

RT: 12.65 min Scan# 3382

Delta R.T. -0.00 min

Lab File: VN061501.D

Acq: 20 May 2020 15:23

Instrument :

MSVOA_N

ClientSampleId :

VN0520WBS01

Tot Ion: 91 Resp: 269994

Ion Ratio Lower Upper

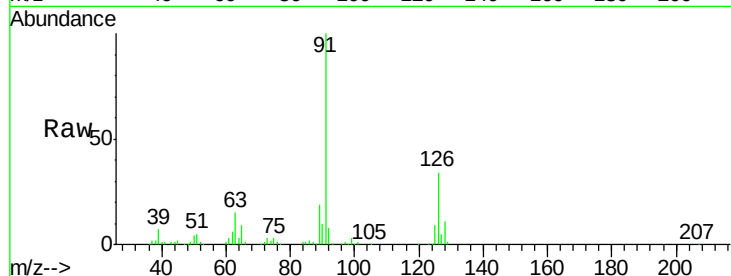
91 100

126 34.0 16.3 48.9

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

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

200000

150000

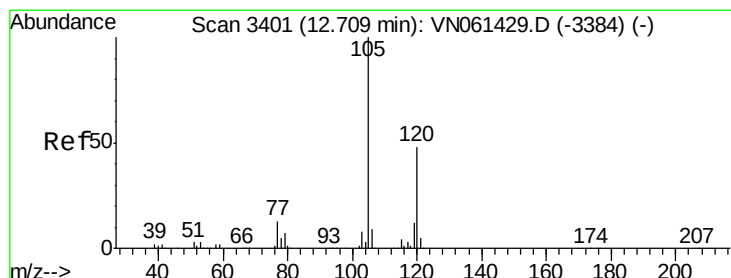
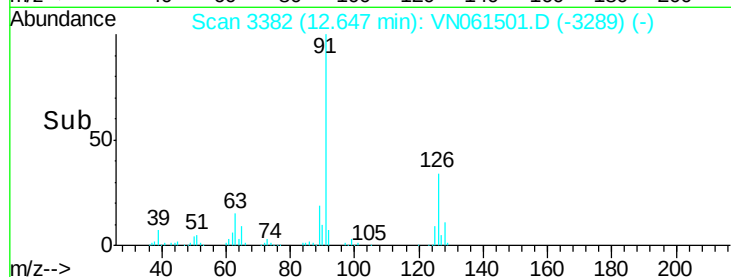
100000

50000

0

12.60 12.65 12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 20.361 ug/l

RT: 12.71 min Scan# 3400

Delta R.T. -0.00 min

Lab File: VN061501.D

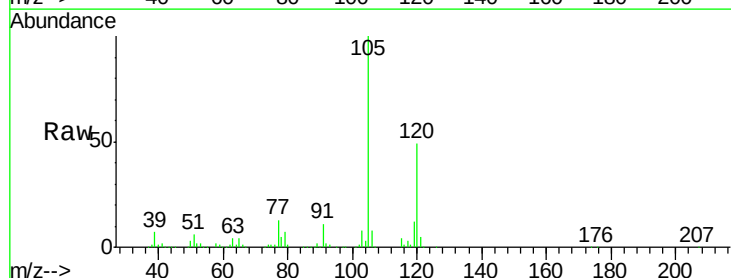
Acq: 20 May 2020 15:23

Tgt Ion: 105 Resp: 340819

Ion Ratio Lower Upper

105 100

120 49.5 24.1 72.4



Abundance Ion 105.00 (104.70 to 105.70): VN061429.D (-3384) (-)

Ion 120.00 (119.70 to 120.70): VN061429.D (-3384) (-)

250000

200000

150000

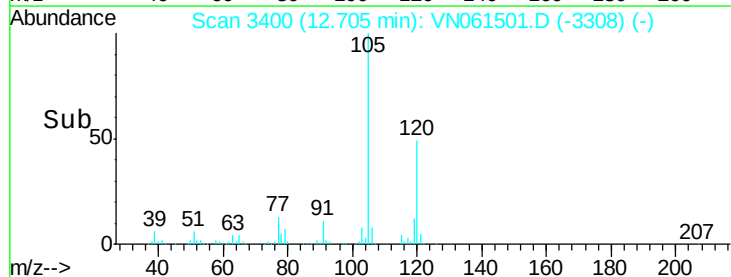
100000

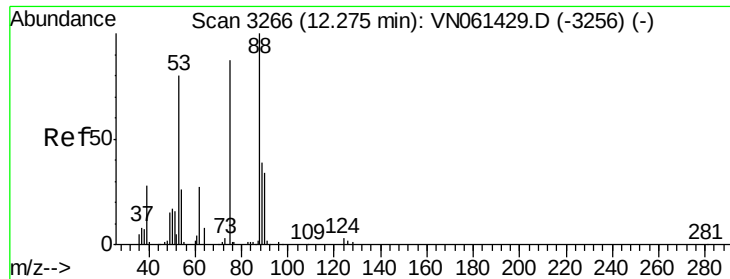
50000

0

12.60 12.70 12.80

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 17.712 ug/l

RT: 12.27 min Scan# 3266

Delta R.T. -0.00 min

Lab File: VN061501.D

Acq: 20 May 2020 15:23

Instrument :

MSVOA_N

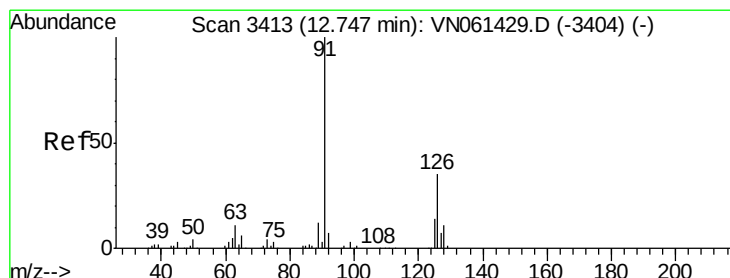
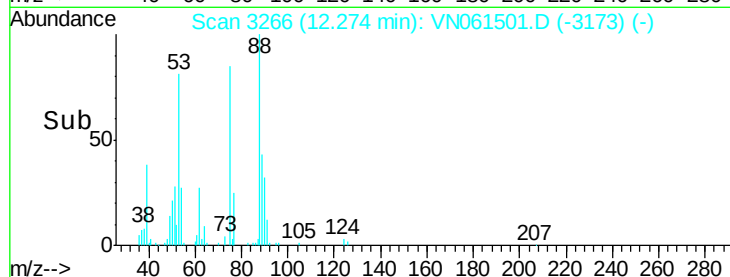
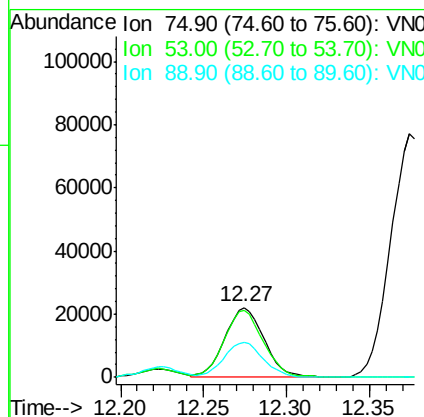
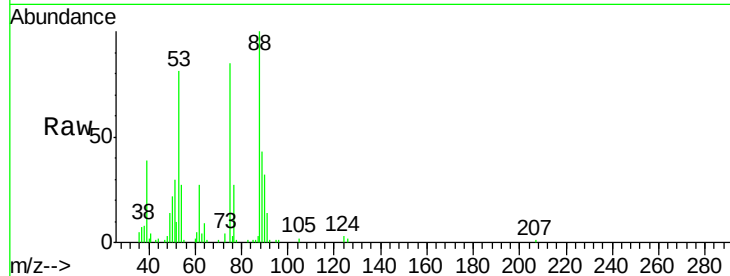
ClientSampleId :

VN0520WBS01

Tot Ion:	75	Resp:	36483
Ion	Ratio	Lower	Upper
75	100		
53	96.1	75.2	112.8
89	50.2	38.2	57.4

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#82

4-Chlorotoluene

Concen: 20.170 ug/l

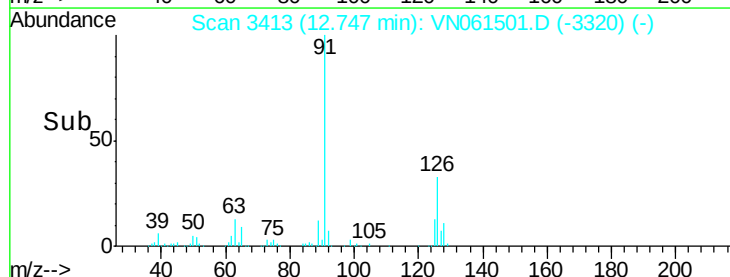
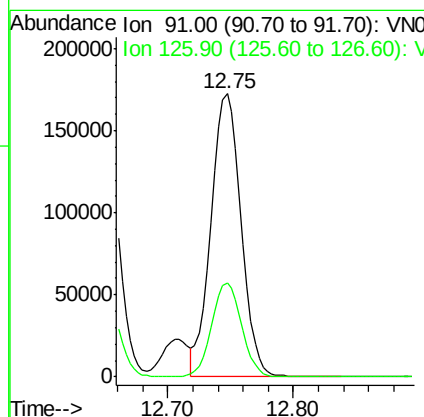
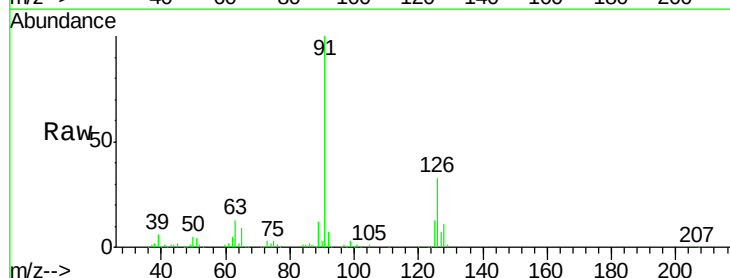
RT: 12.75 min Scan# 3413

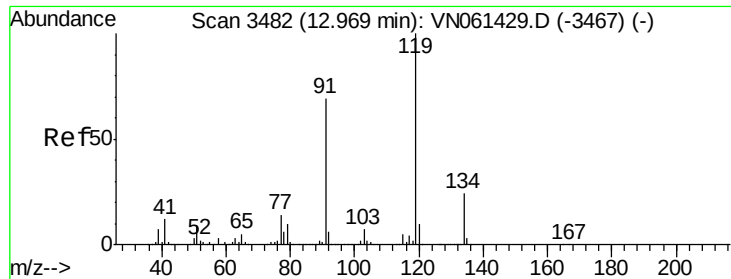
Delta R.T. -0.00 min

Lab File: VN061501.D

Acq: 20 May 2020 15:23

Tgt Ion:	91	Resp:	287543
Ion	Ratio	Lower	Upper
91	100		
126	33.2	16.1	48.2





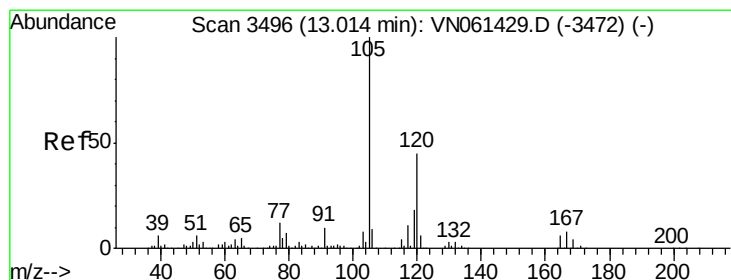
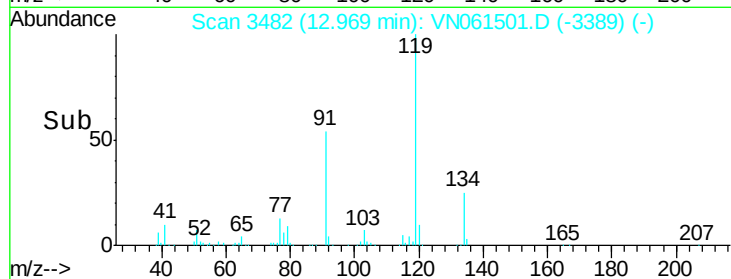
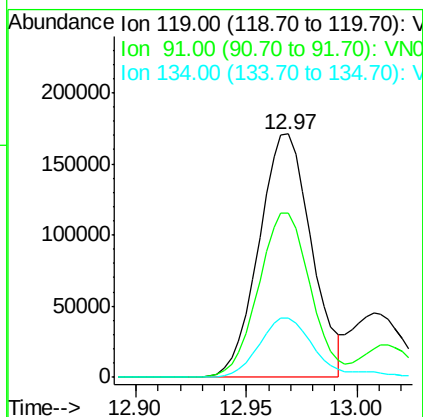
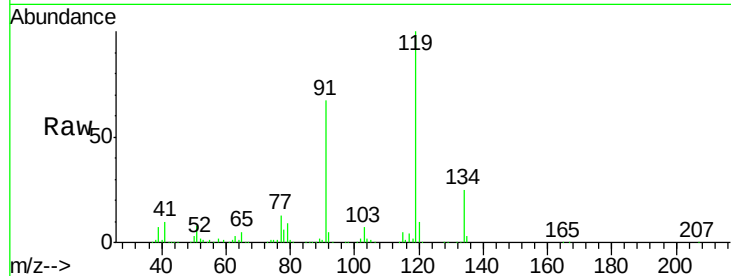
#83
 tert-Butylbenzene
 Concen: 19.656 ug/l
 RT: 12.97 min Scan# 3482
 Delta R.T. -0.00 min
 Lab File: VN061501.D
 Acq: 20 May 2020 15:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0520WBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	281817		
91	66.8	33.7	101.0	
134	26.3	12.8	38.3	

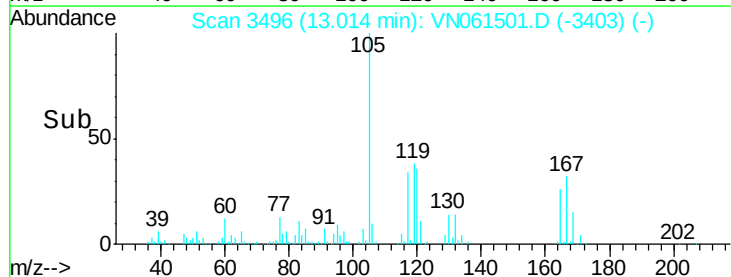
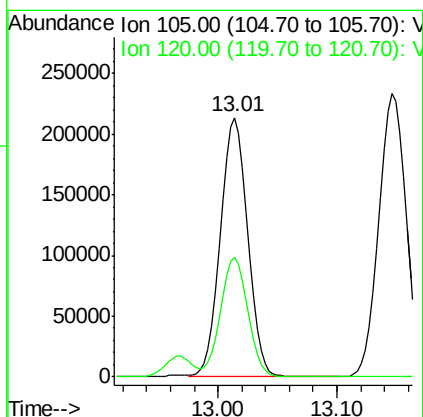
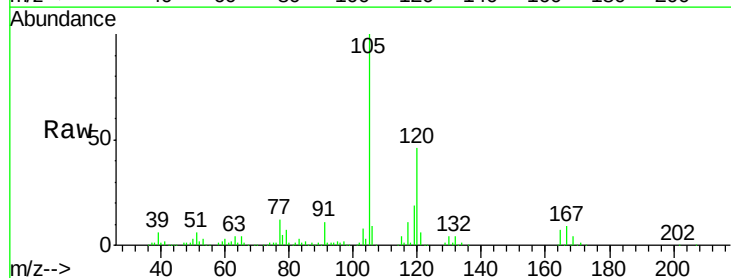
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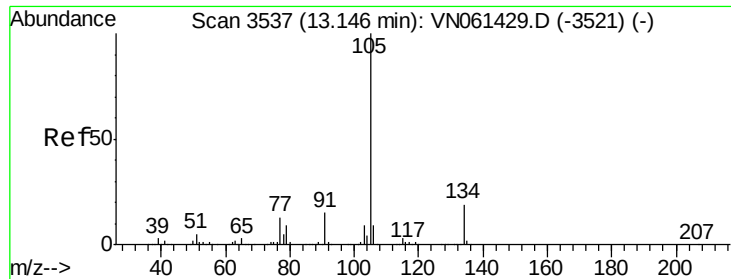
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#84
 1,2,4-Trimethylbenzene
 Concen: 20.233 ug/l
 RT: 13.01 min Scan# 3496
 Delta R.T. -0.00 min
 Lab File: VN061501.D
 Acq: 20 May 2020 15:23

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	338941		
120	46.4	22.4	67.3	





#85

sec-Butylbenzene

Concen: 19.370 ug/l

RT: 13.15 min Scan# 3537

Delta R.T. -0.00 min

Lab File: VN061501.D

Acq: 20 May 2020 15:23

Instrument :

MSVOA_N

ClientSampled :

VN0520WBS01

Tot Ion:105 Resp: 375535

Ion Ratio Lower Upper

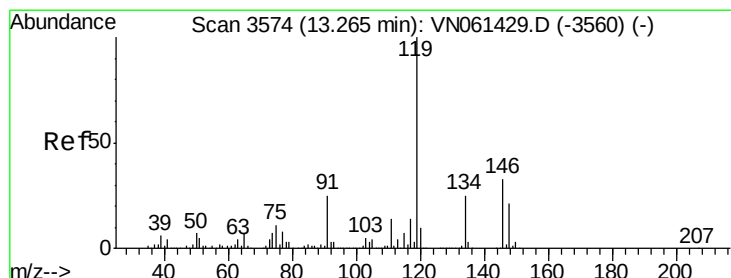
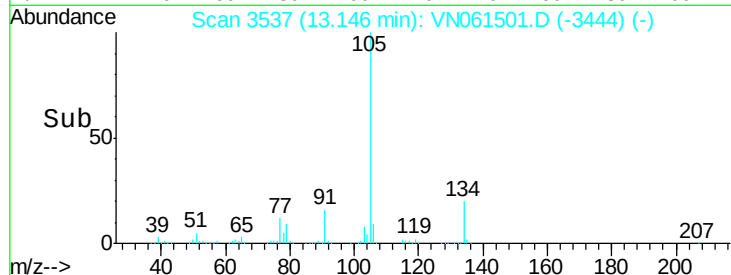
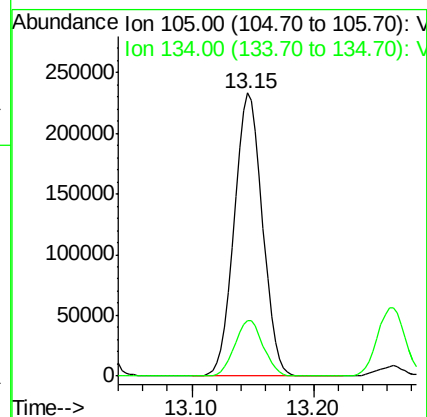
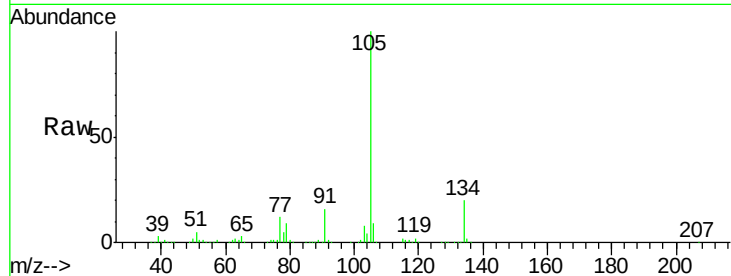
105 100

134 20.0 9.8 29.5

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#86

p-Isopropyltoluene

Concen: 19.806 ug/l

RT: 13.26 min Scan# 3573

Delta R.T. -0.00 min

Lab File: VN061501.D

Acq: 20 May 2020 15:23

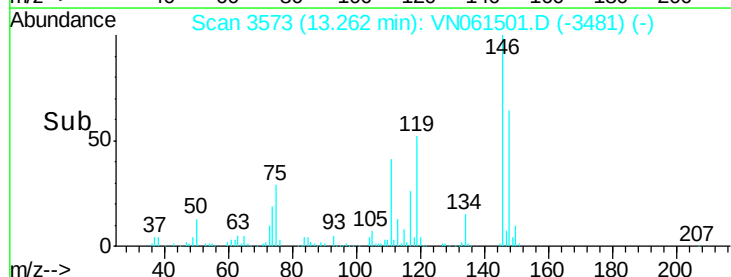
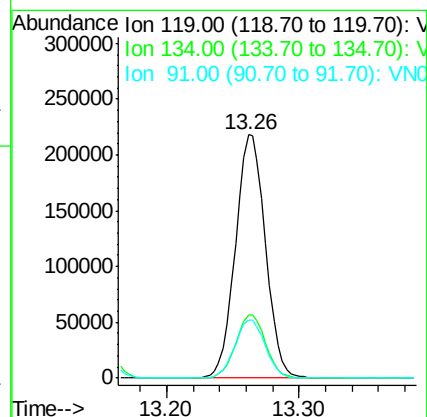
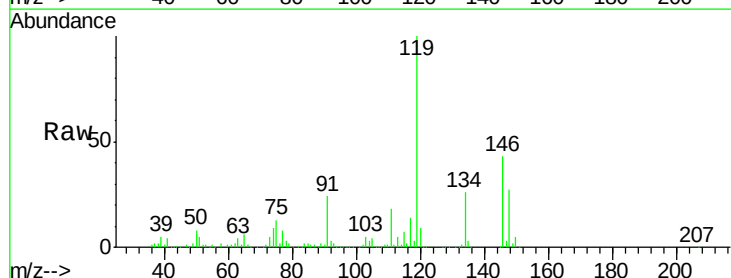
Tgt Ion:119 Resp: 340975

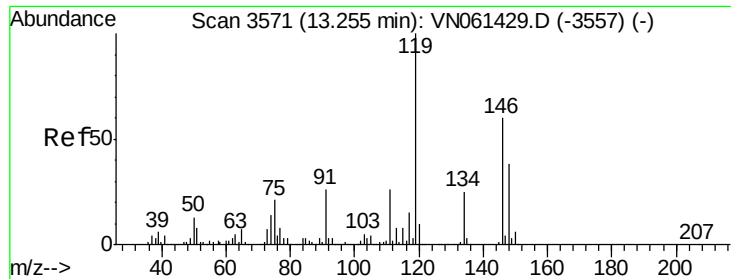
Ion Ratio Lower Upper

119 100

134 26.1 12.7 38.1

91 24.1 12.6 37.6





#87

1,3-Dichlorobenzene

Concen: 21.087 ug/l

RT: 13.26 min Scan# 3571

Delta R.T. -0.00 min

Lab File: VN061501.D

Acq: 20 May 2020 15:23

Instrument :

MSVOA_N

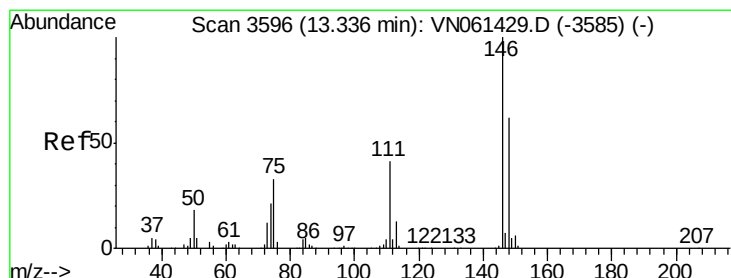
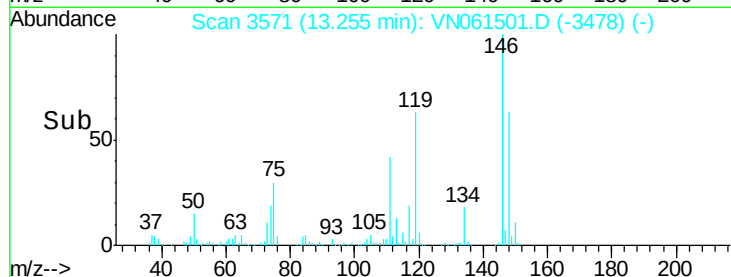
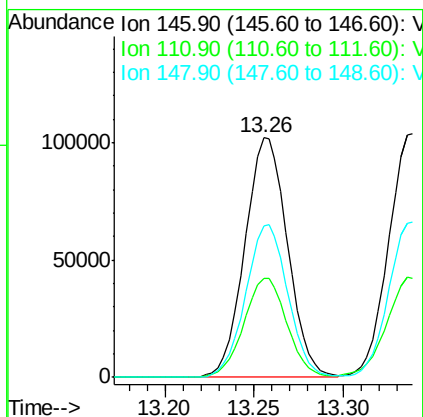
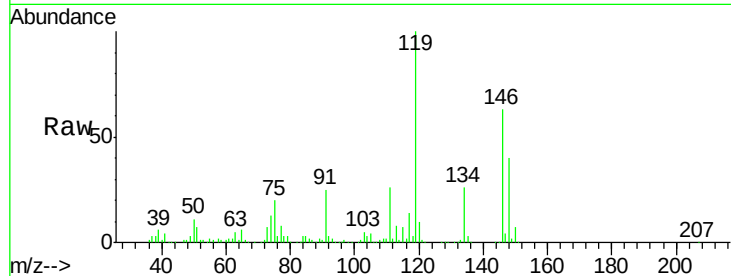
ClientSampled :

VN0520WBS01

Tot Ion:	146	Resp:	171215
Ion Ratio	Lower	Upper	
146	100		
111	41.6	21.5	64.5
148	62.7	31.8	95.3

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#88

1,4-Dichlorobenzene

Concen: 21.136 ug/l

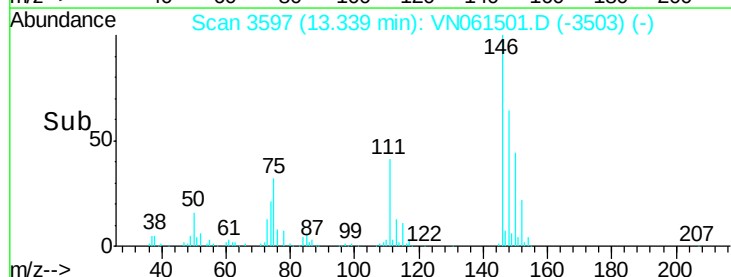
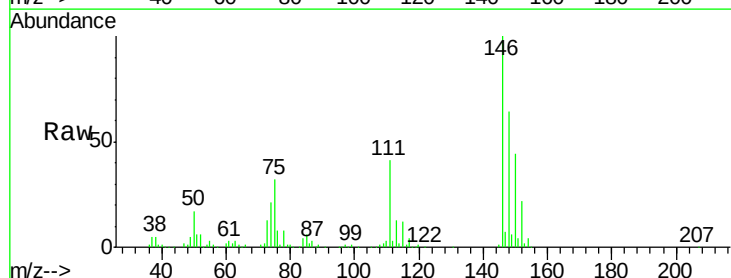
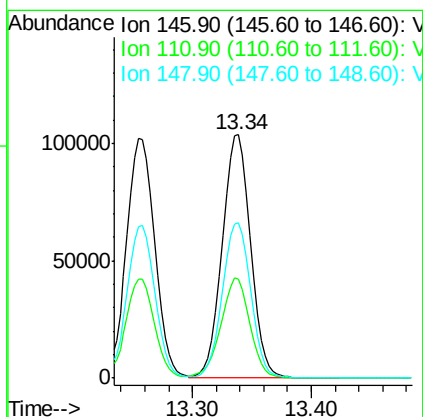
RT: 13.34 min Scan# 3597

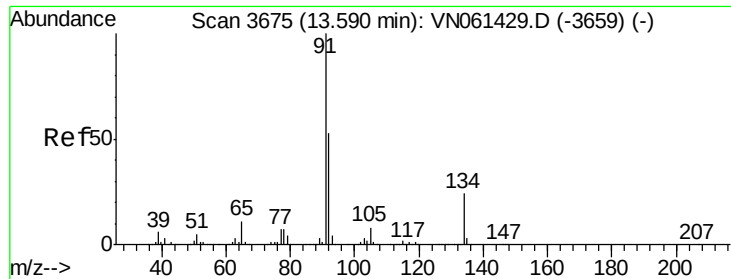
Delta R.T. 0.00 min

Lab File: VN061501.D

Acq: 20 May 2020 15:23

Tgt Ion:	146	Resp:	171871
Ion Ratio	Lower	Upper	
146	100		
111	41.6	20.8	62.5
148	64.1	31.6	94.8





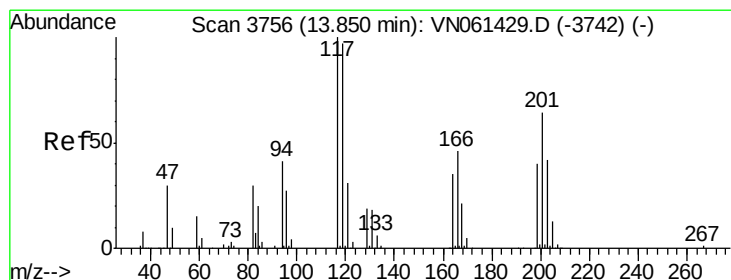
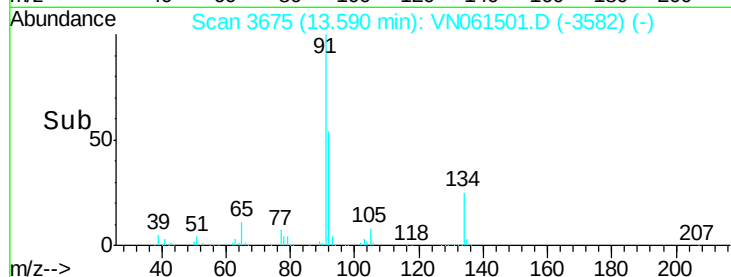
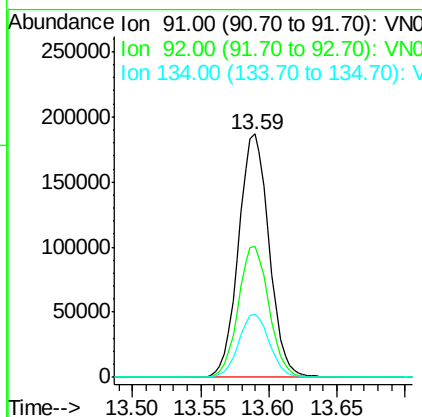
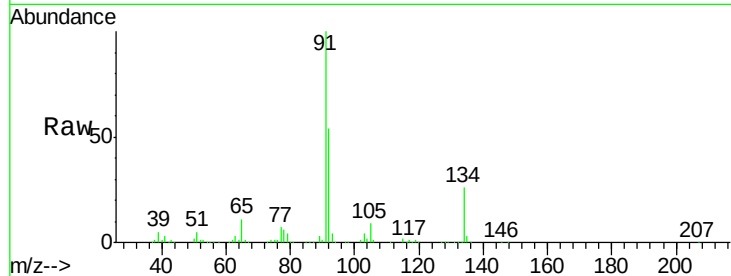
#89
n-Butylbenzene
Concen: 18.568 ug/l
RT: 13.59 min Scan# 3675
Delta R.T. -0.00 min
Lab File: VN061501.D
Acq: 20 May 2020 15:23

Instrument :
MSVOA_N
ClientSampleId :
VN0520WBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	290419		
92	54.0		26.8	80.3
134	26.2		12.4	37.4

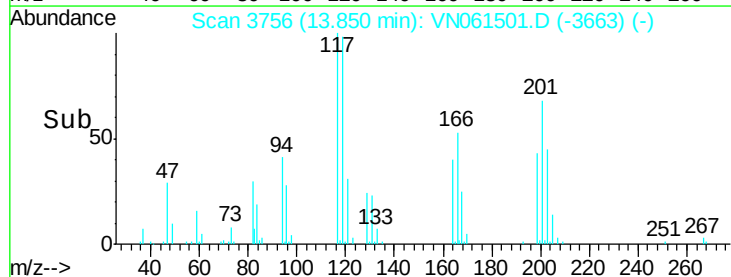
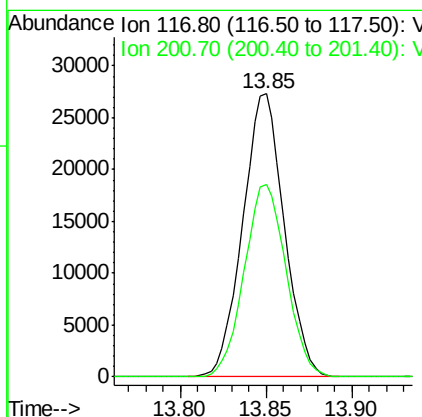
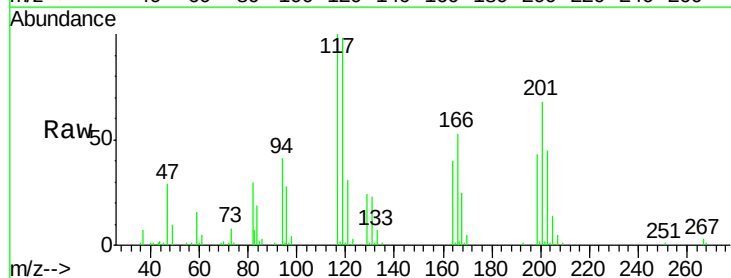
Manual Integrations
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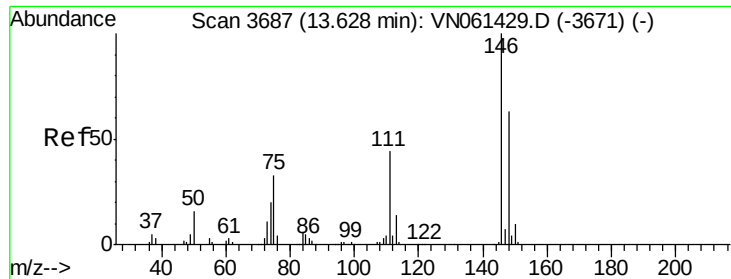
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#90
Hexachloroethane
Concen: 19.568 ug/l
RT: 13.85 min Scan# 3756
Delta R.T. -0.00 min
Lab File: VN061501.D
Acq: 20 May 2020 15:23

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	45657		
201	68.5		32.9	98.7





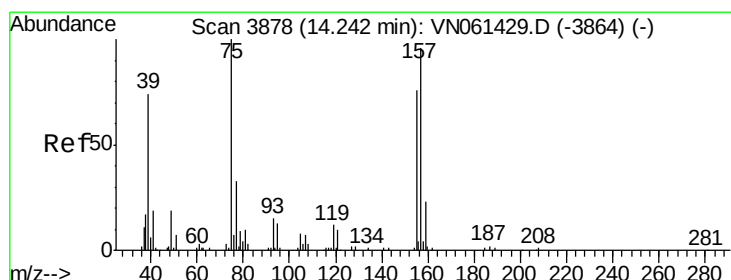
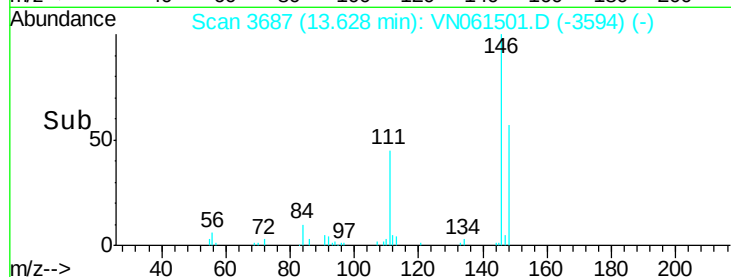
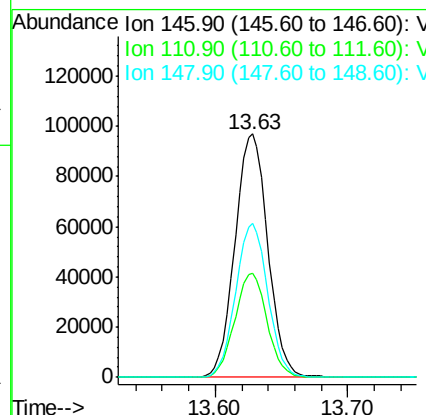
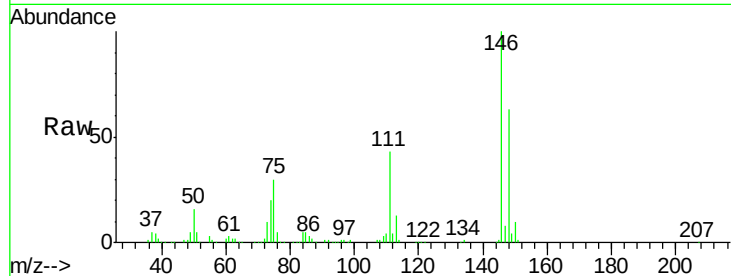
#91
 1,2-Dichlorobenzene
 Concen: 21.422 ug/l
 RT: 13.63 min Scan# 3687
 Delta R.T. -0.00 min
 Lab File: VN061501.D
 Acq: 20 May 2020 15:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0520WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.5	21.9	65.7
148	61.9	31.6	94.7

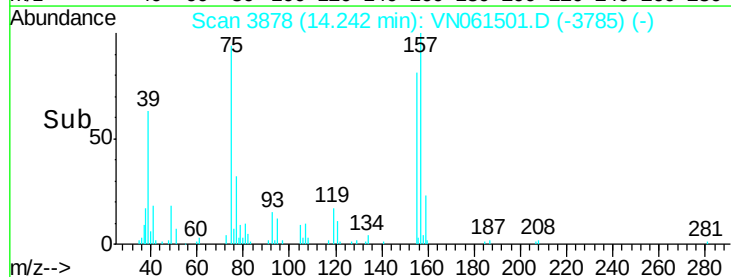
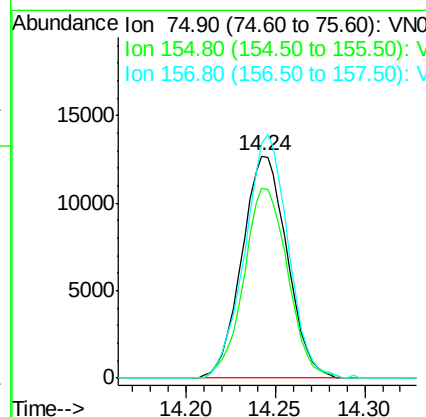
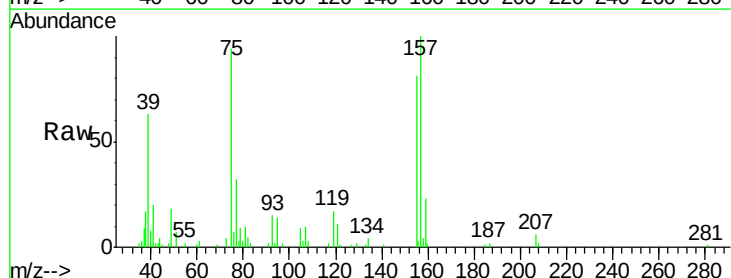
Manual Integrations
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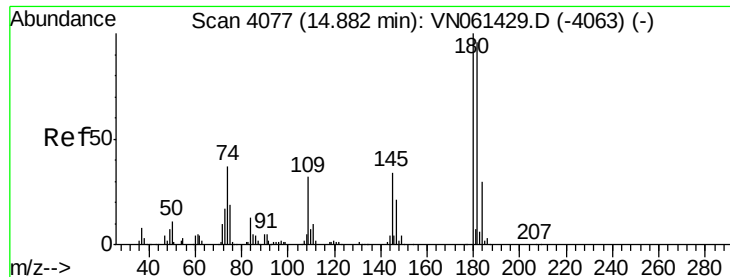
MMDadoda
 5/21/2020 1:16:14 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.782 ug/l
 RT: 14.24 min Scan# 3878
 Delta R.T. -0.00 min
 Lab File: VN061501.D
 Acq: 20 May 2020 15:23

Tgt Ion	Ratio	Lower	Upper
75	100		
155	82.8	38.9	116.7
157	104.6	48.6	145.8





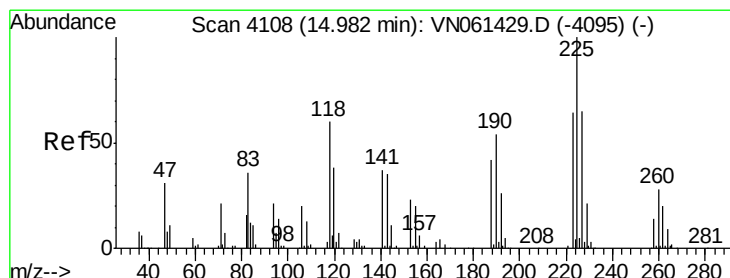
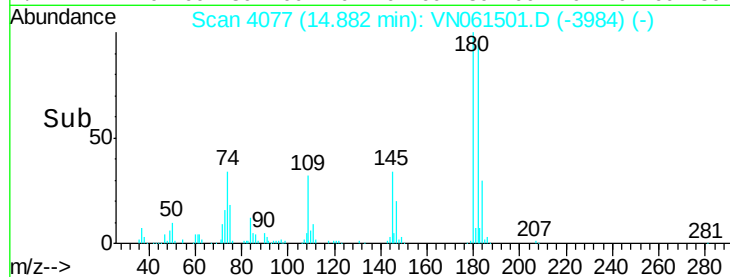
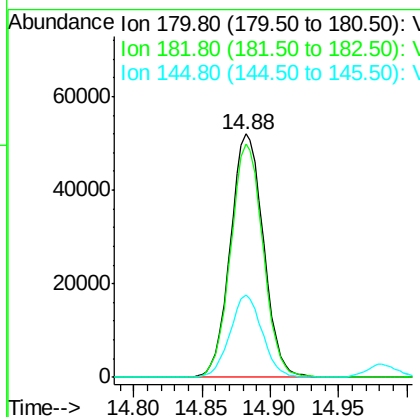
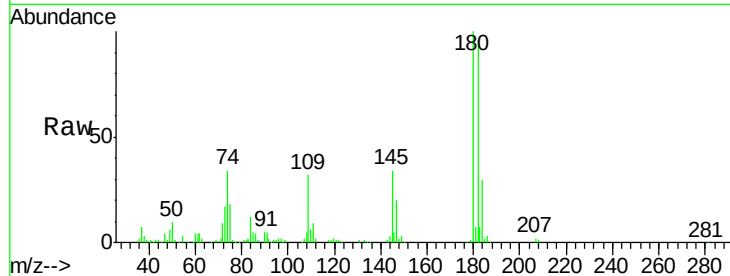
#93
 1,2,4-Trichlorobenzene
 Concen: 20.730 ug/l
 RT: 14.88 min Scan# 4077
 Delta R.T. -0.00 min
 Lab File: VN061501.D
 Acq: 20 May 2020 15:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0520WBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	87546		
182	94.1	47.0	141.0	
145	32.8	16.7	50.0	

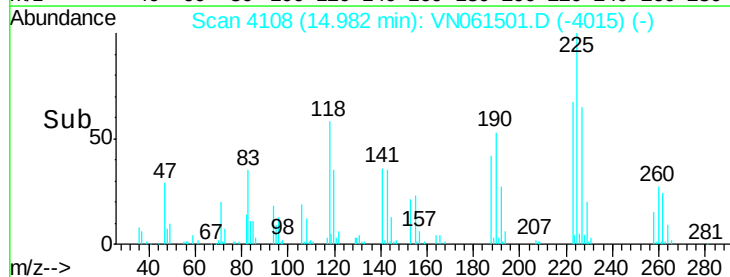
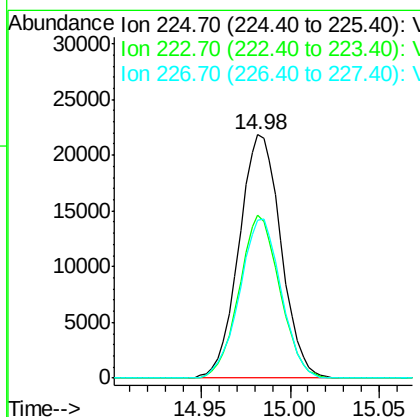
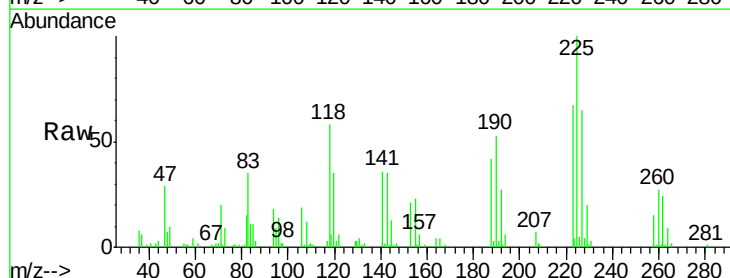
Manual Integrations
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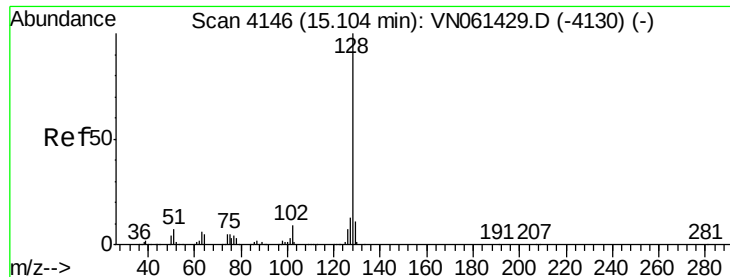
MMDadoda
 5/21/2020 1:16:14 PM



#94
 Hexachlorobutadiene
 Concen: 19.045 ug/l
 RT: 14.98 min Scan# 4108
 Delta R.T. -0.00 min
 Lab File: VN061501.D
 Acq: 20 May 2020 15:23

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	35736		
223	64.9	31.9	95.7	
227	64.6	31.5	94.5	





#95

Naphthalene

Concen: 21.354 ug/l

RT: 15.10 min Scan# 4146

Delta R.T. -0.00 min

Lab File: VN061501.D

Acq: 20 May 2020 15:23

Instrument :

MSVOA_N

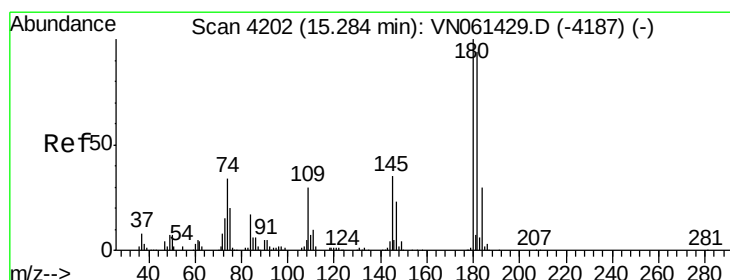
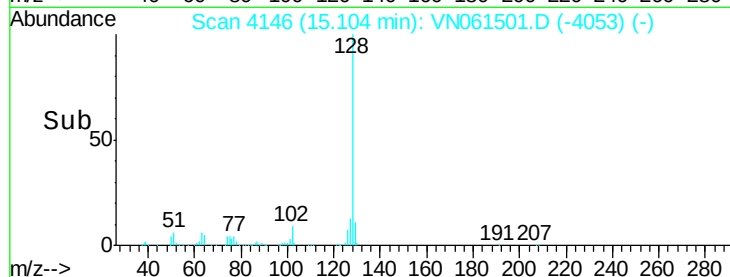
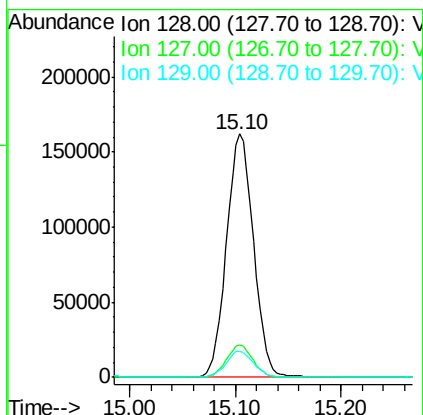
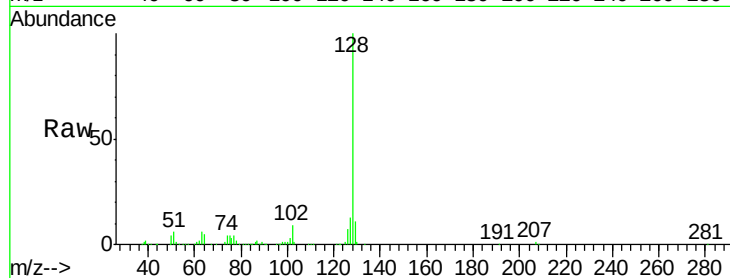
ClientSampleId :

VN0520WBS01

Tot Ion	128	Resp	286692
Ion Ratio	Lower	Upper	
128	100		
127	12.9	10.1	15.1
129	10.8	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
5/21/2020 1:16:14 PM



#96

1,2,3-Trichlorobenzene

Concen: 20.648 ug/l

RT: 15.28 min Scan# 4202

Delta R.T. -0.00 min

Lab File: VN061501.D

Acq: 20 May 2020 15:23

Tgt Ion	180	Resp	86806
Ion Ratio	Lower	Upper	
180	100		
182	96.2	47.8	143.3
145	34.3	17.3	51.9

