

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN052020\
 Data File : VN061502.D
 Acq On : 20 May 2020 15:53
 Operator : JC/MD
 Sample : VN0520WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0520WBSD01

Manual Integrations
 APPROVED

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

Quant Time: May 21 01:42:24 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	279392	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	494130	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	465138	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	215406	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.99	65	183627	44.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.08%	
35) Dibromofluoromethane	7.54	113	134062	51.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.58%	
50) Toluene-d8	10.06	98	551315	45.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.84%	
62) 4-Bromofluorobenzene	12.37	95	207959	46.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.72%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.83	85	43916	18.904	ug/l 99
3) Chloromethane	2.03	50	62308	16.444	ug/l 99
4) Vinyl Chloride	2.16	62	87336	16.105	ug/l 98
5) Bromomethane	2.54	94	54097	17.102	ug/l 98
6) Chloroethane	2.67	64	59050	16.178	ug/l 99
7) Trichlorofluoromethane	2.98	101	102066	15.503	ug/l 99
8) Diethyl Ether	3.37	74	34933	18.216	ug/l 93
9) 1,1,2-Trichlorotrifluoroet	3.72	101	52381	19.132	ug/l 96
10) Methyl Iodide	3.91	142	66700	20.058	ug/l 99
11) Tert butyl alcohol	4.73	59	48401m	100.740	ug/l
12) 1,1-Dichloroethene	3.70	96	52098	18.192	ug/l 92
13) Acrolein	3.56	56	19003	39.184	ug/l 99
14) Allyl chloride	4.27	41	78175	16.773	ug/l 94
15) Acrylonitrile	4.93	53	122614	86.140	ug/l 99
16) Acetone	3.77	43	98085	84.366	ug/l 96
17) Carbon Disulfide	4.01	76	133250	19.749	ug/l 100
18) Methyl Acetate	4.27	43	50502	16.953	ug/l 98
19) Methyl tert-butyl Ether	4.98	73	200397	18.439	ug/l 99
20) Methylene Chloride	4.50	84	61603	17.976	ug/l 96
21) trans-1,2-Dichloroethene	4.98	96	60275	18.252	ug/l 96
22) Diisopropyl ether	5.90	45	175705	16.777	ug/l 97
23) Vinyl Acetate	5.84	43	708699	85.094	ug/l 98
24) 1,1-Dichloroethane	5.79	63	105750	17.311	ug/l 99
25) 2-Butanone	6.78	43	153350	80.772	ug/l 97
26) 2,2-Dichloropropane	6.77	77	102157	17.542	ug/l 97
27) cis-1,2-Dichloroethene	6.78	96	74670	19.142	ug/l 91
28) Bromochloromethane	7.14	49	46028	17.751	ug/l 89
29) Tetrahydrofuran	7.17	42	100845	80.204	ug/l 94
30) Chloroform	7.33	83	120281	18.852	ug/l 98
31) Cyclohexane	7.61	56	92547	15.136	ug/l 92
32) 1,1,1-Trichloroethane	7.53	97	109546	18.789	ug/l 96
36) 1,1-Dichloropropene	7.75	75	84109	18.204	ug/l 97
37) Ethyl Acetate	6.88	43	67976	16.223	ug/l 98
38) Carbon Tetrachloride	7.73	117	82913	19.489	ug/l 100

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	95796	16.975	ug/l	96
40) Benzene	8.00	78	258300	18.551	ug/l	99
41) Methacrylonitrile	7.13	41	32661	18.455	ug/l	98
42) 1,2-Dichloroethane	8.09	62	92963	18.531	ug/l	98
43) Isopropyl Acetate	8.12	43	123781	16.937	ug/l #	90
44) Trichloroethene	8.80	130	71991	19.732	ug/l	97
45) 1,2-Dichloropropane	9.08	63	64513	18.511	ug/l	99
46) Dibromomethane	9.17	93	47991	19.643	ug/l	97
47) Bromodichloromethane	9.37	83	97254	18.893	ug/l	100
48) Methyl methacrylate	9.17	41	53746	15.920	ug/l	95
49) 1,4-Dioxane	9.17	88	19347	527.010	ug/l	94
51) 4-Methyl-2-Pentanone	9.95	43	341470	85.772	ug/l	98
52) Toluene	10.12	92	170809	19.108	ug/l	99
53) t-1,3-Dichloropropene	10.35	75	105546	18.707	ug/l	99
54) cis-1,3-Dichloropropene	9.81	75	111799	18.640	ug/l	95
55) 1,1,2-Trichloroethane	10.53	97	68295	20.208	ug/l	98
56) Ethyl methacrylate	10.40	69	97545	18.462	ug/l	96
57) 1,3-Dichloropropane	10.68	76	111700	19.124	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.66	63	195623	84.349	ug/l	94
59) 2-Hexanone	10.72	43	240125	83.368	ug/l	98
60) Dibromochloromethane	10.87	129	74159	19.837	ug/l	99
61) 1,2-Dibromoethane	10.98	107	71007	19.982	ug/l	99
64) Tetrachloroethene	10.60	164	70721	19.653	ug/l	97
65) Chlorobenzene	11.40	112	183348	19.330	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.48	131	67580	19.874	ug/l	98
67) Ethyl Benzene	11.48	91	326753	18.872	ug/l	98
68) m/p-Xylenes	11.59	106	254169	38.674	ug/l	97
69) o-Xylene	11.92	106	123176	19.368	ug/l	96
70) Styrene	11.94	104	202081	19.188	ug/l	99
71) Bromoform	12.10	173	46680	18.960	ug/l #	97
73) Isopropylbenzene	12.22	105	319525	18.478	ug/l	100
74) N-amyl acetate	12.04	43	103584	16.365	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.48	83	87022	18.291	ug/l	98
76) 1,2,3-Trichloropropane	12.53	75	81992m	17.739	ug/l	
77) Bromobenzene	12.50	156	74759	19.920	ug/l	92
78) n-propylbenzene	12.56	91	359458	18.244	ug/l	98
79) 2-Chlorotoluene	12.65	91	213372	18.321	ug/l	98
80) 1,3,5-Trimethylbenzene	12.71	105	263647	18.620	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.27	75	28658	16.448	ug/l	96
82) 4-Chlorotoluene	12.75	91	222968	18.490	ug/l	98
83) tert-Butylbenzene	12.97	119	224289	18.493	ug/l	97
84) 1,2,4-Trimethylbenzene	13.01	105	267483	18.876	ug/l	99
85) sec-Butylbenzene	13.15	105	286068	17.443	ug/l	100
86) p-Isopropyltoluene	13.26	119	261135	17.931	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	135333	19.704	ug/l	98
88) 1,4-Dichlorobenzene	13.34	146	135453	19.692	ug/l	99
89) n-Butylbenzene	13.59	91	226487	17.119	ug/l	99
90) Hexachloroethane	13.85	117	34443	17.451	ug/l	95
91) 1,2-Dichlorobenzene	13.63	146	131966	20.030	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.24	75	16507	17.176	ug/l	93

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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)
93) 1,2,4-Trichlorobenzene	14.88	180	71220	19.937	ug/l	98
94) Hexachlorobutadiene	14.99	225	28251	17.799	ug/l	96
95) Naphthalene	15.10	128	231878	20.417	ug/l	99
96) 1,2,3-Trichlorobenzene	15.28	180	69347	19.500	ug/l	99

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

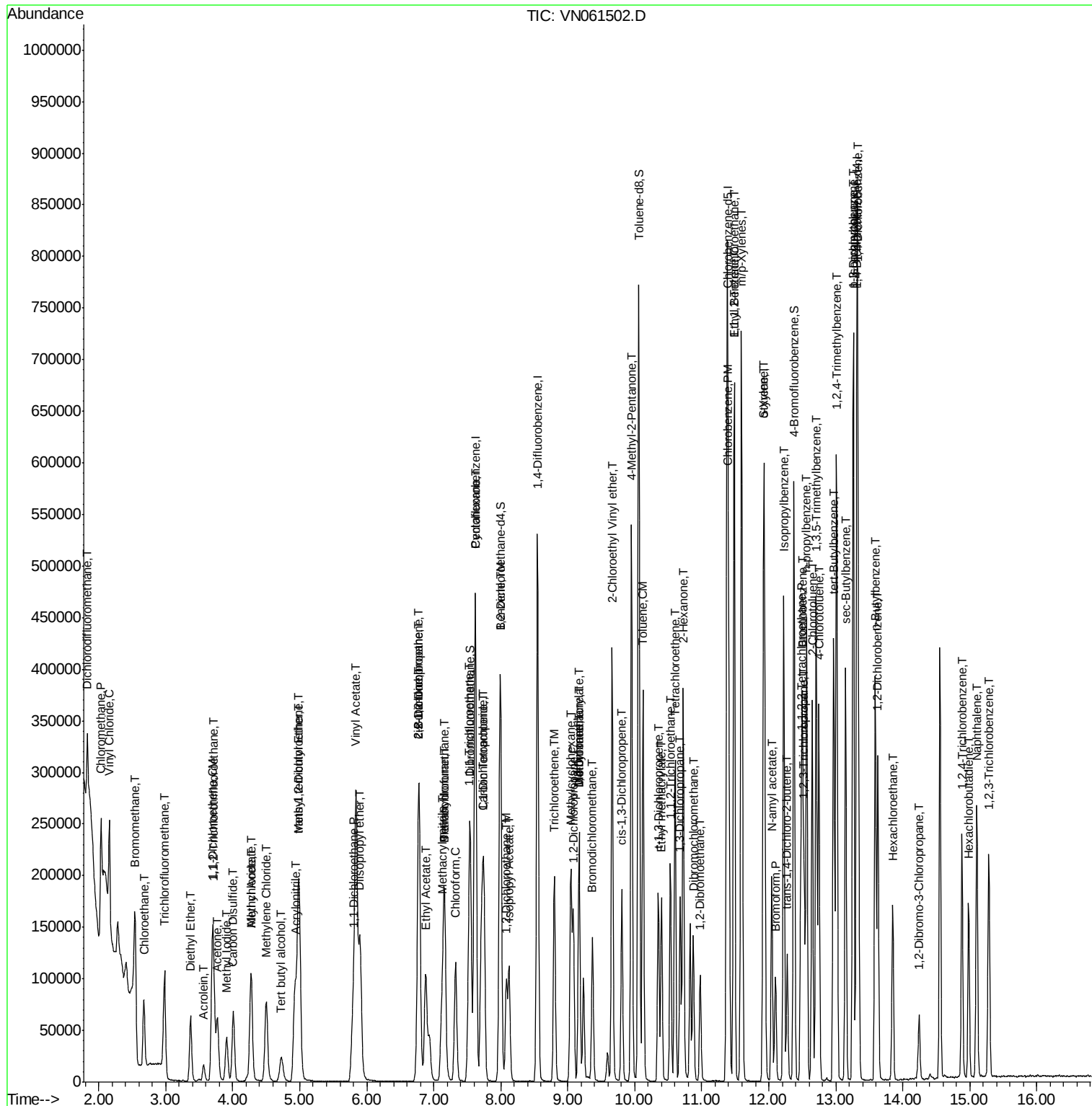
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN052020\
Data File : VN061502.D
Acq On : 20 May 2020 15:53
Operator : JC/MD
Sample : VN0520WBSD01
Misc : 5.00mL/MSVOA N/WATER
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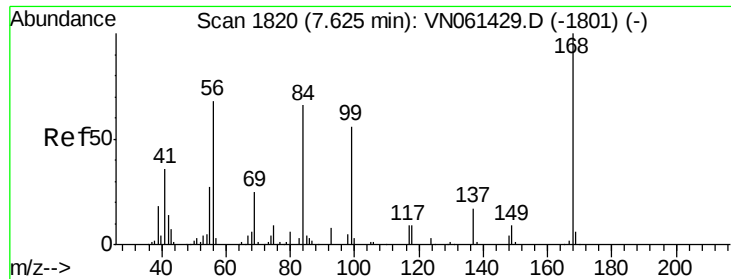
Instrument :
MSVOA_N
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VN0520WBSD01

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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1819

Delta R.T. -0.00 min

Lab File: VN061502.D

Acq: 20 May 2020 15:53

Instrument :

MSVOA_N

ClientSampleId :

VN0520WBSD01

Tot Ion:168 Resp: 279392

Ion Ratio Lower Upper

168 100

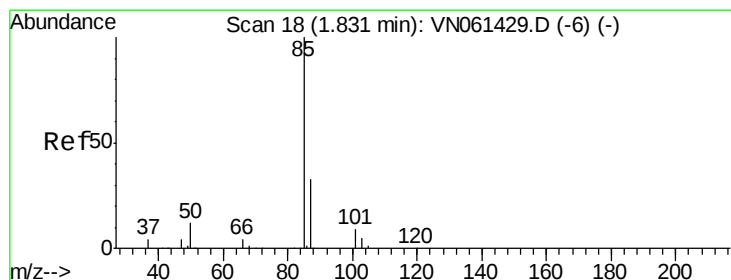
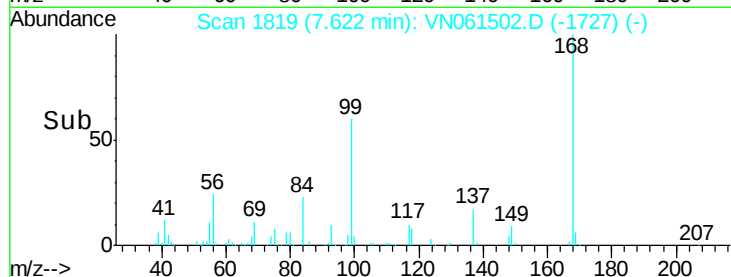
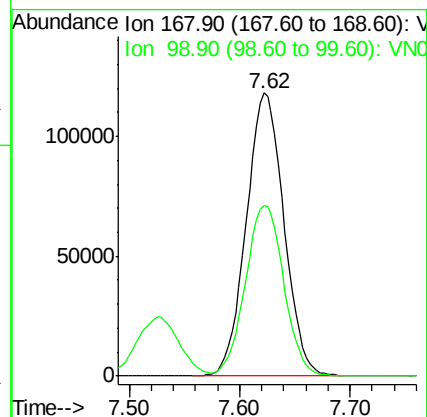
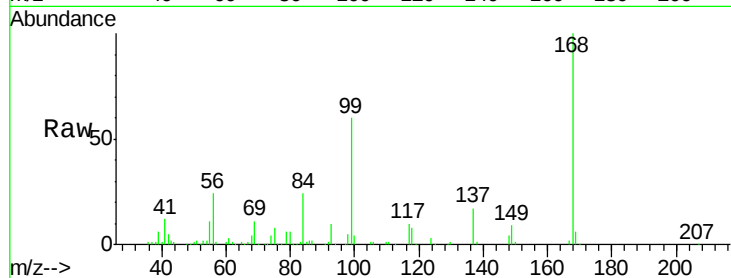
99 60.0 51.1 76.7

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 18.904 ug/l

RT: 1.83 min Scan# 18

Delta R.T. -0.00 min

Lab File: VN061502.D

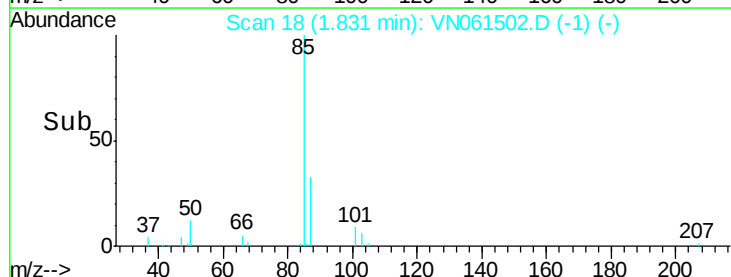
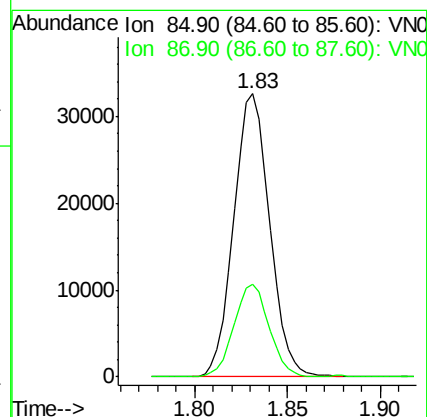
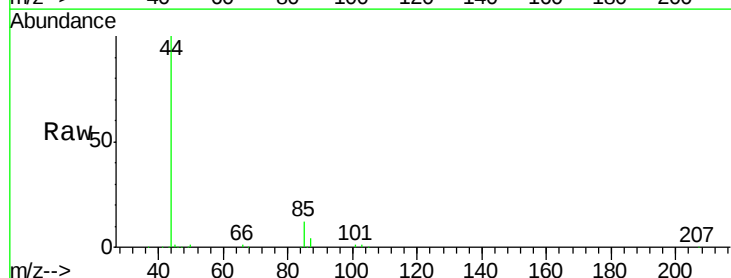
Acq: 20 May 2020 15:53

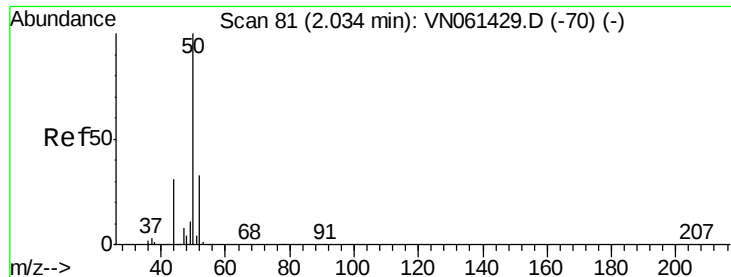
Tgt Ion: 85 Resp: 43916

Ion Ratio Lower Upper

85 100

87 32.9 16.3 48.8





#3

Chloromethane

Concen: 16.444 ug/l

RT: 2.03 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN061502.D

Acq: 20 May 2020 15:53

Instrument :

MSVOA_N

ClientSampleId :

VN0520WBSD01

Tot Ion: 50 Resp: 62308

Ion Ratio Lower Upper

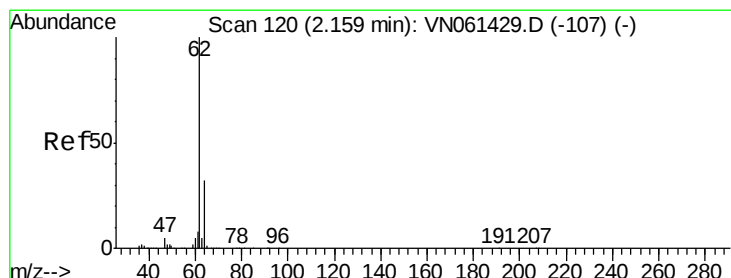
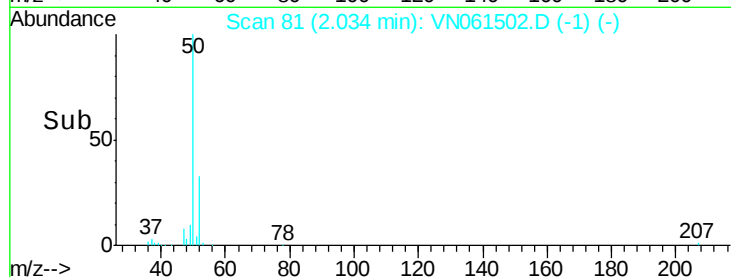
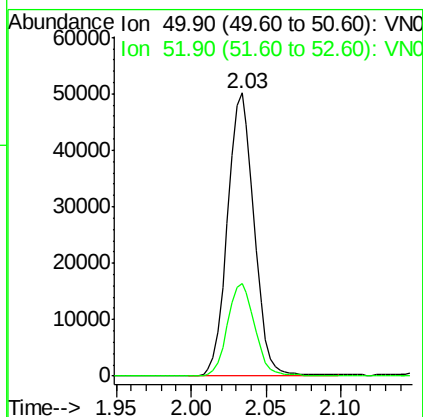
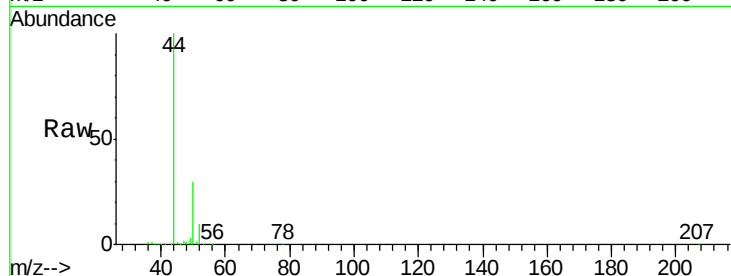
50 100

52 32.9 26.7 40.1

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



#4

Vinyl Chloride

Concen: 16.105 ug/l

RT: 2.16 min Scan# 120

Delta R.T. -0.00 min

Lab File: VN061502.D

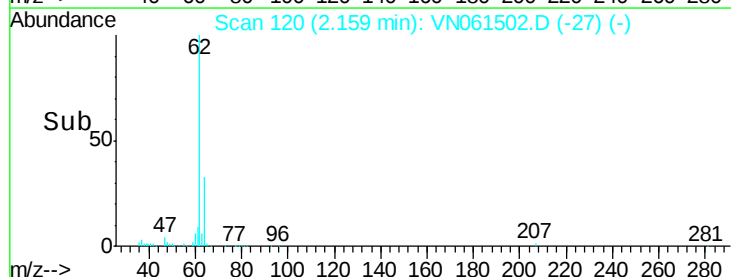
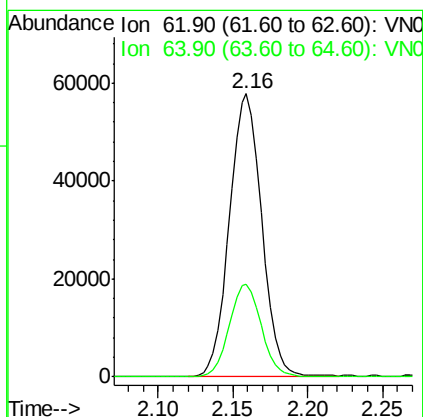
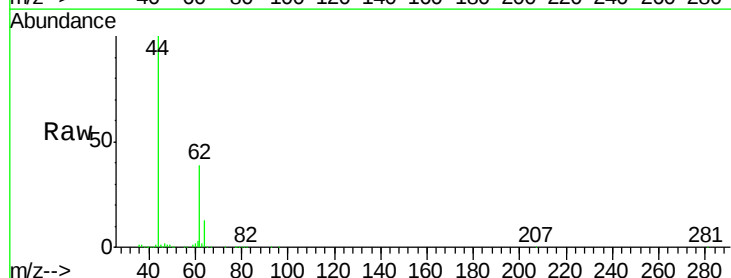
Acq: 20 May 2020 15:53

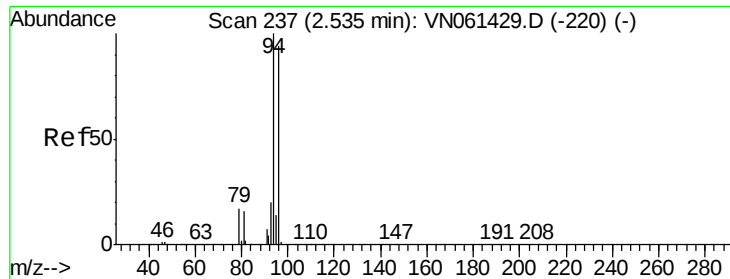
Tgt Ion: 62 Resp: 87336

Ion Ratio Lower Upper

62 100

64 32.9 25.3 37.9





#5

Bromomethane

Concen: 17.102 ug/l

RT: 2.54 min Scan# 238

Delta R.T. 0.00 min

Lab File: VN061502.D

Acq: 20 May 2020 15:53

Instrument :

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ClientSampleId :

VN0520WBSD01

Tot Ion: 94 Resp: 54097

Ion Ratio Lower Upper

94 100

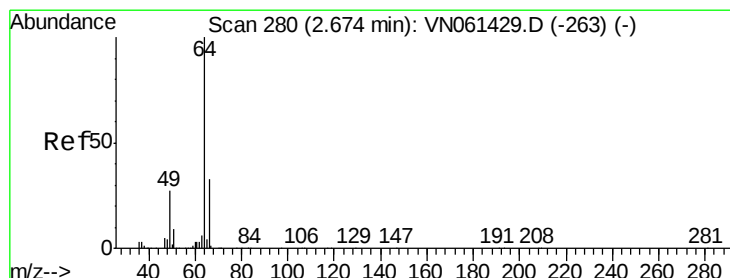
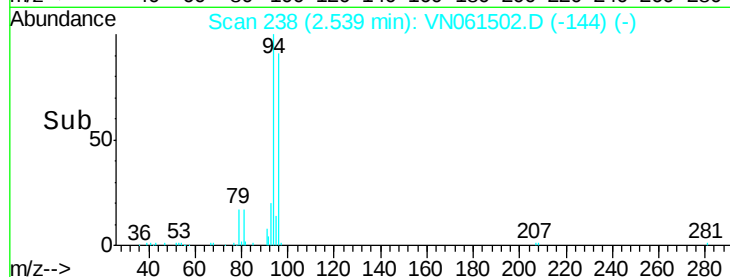
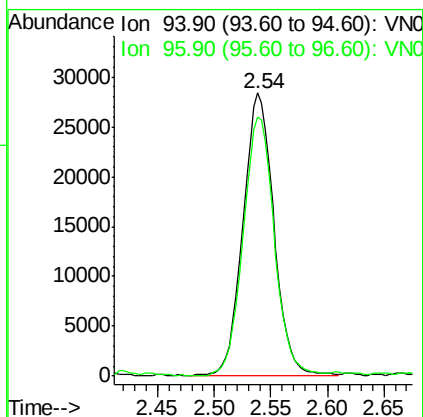
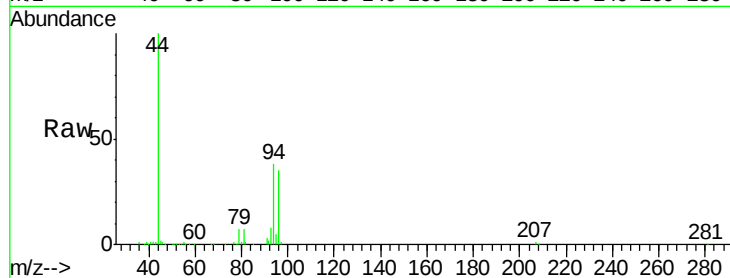
96 91.5 74.9 112.3

Manual Integrations

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#6

Chloroethane

Concen: 16.178 ug/l

RT: 2.67 min Scan# 280

Delta R.T. -0.00 min

Lab File: VN061502.D

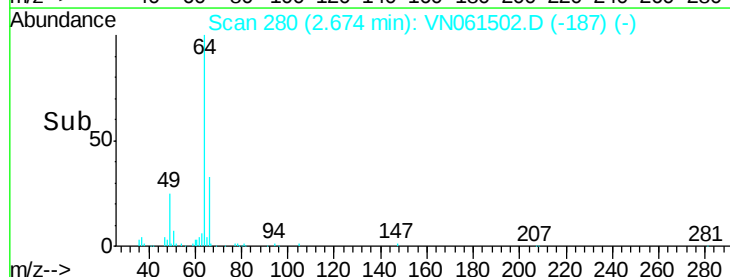
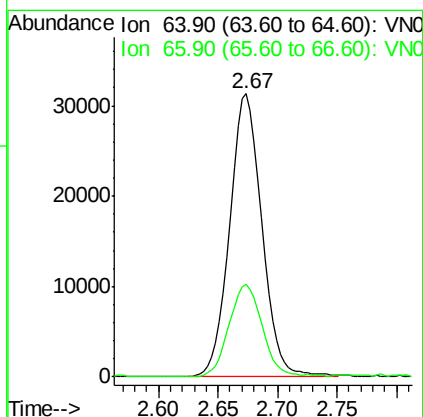
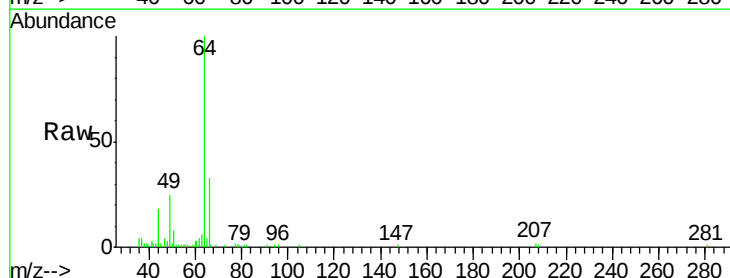
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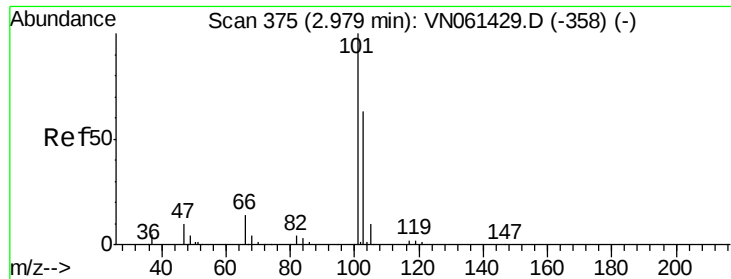
Tgt Ion: 64 Resp: 59050

Ion Ratio Lower Upper

64 100

66 32.5 26.3 39.5





#7

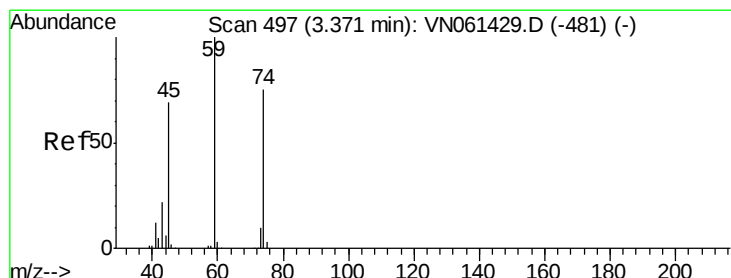
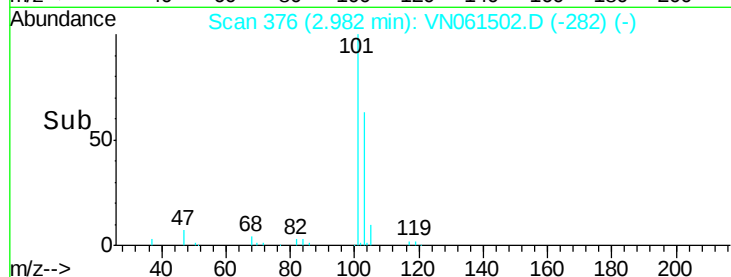
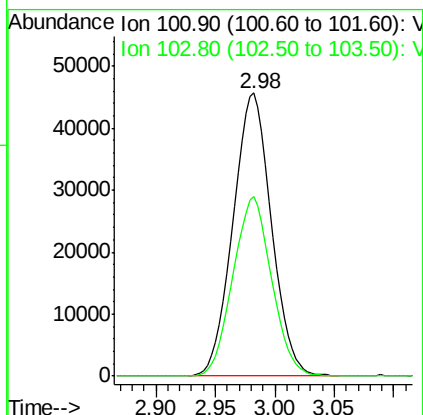
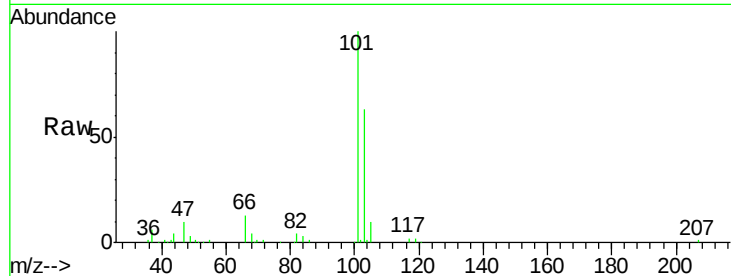
Trichlorofluoromethane
Concen: 15.503 ug/l
RT: 2.98 min Scan# 376
Delta R.T. 0.00 min
Lab File: VN061502.D
Acq: 20 May 2020 15:53

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Tot Ion	Ratio	Lower	Upper
101	100		
103	63.3	50.2	75.4

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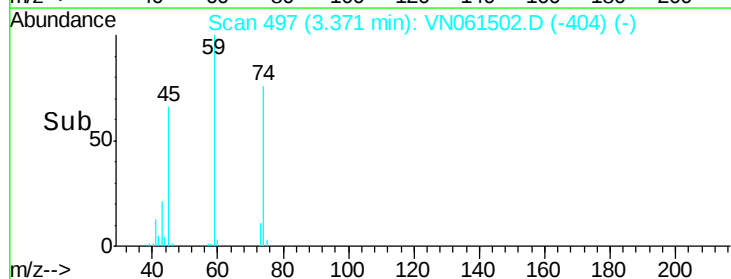
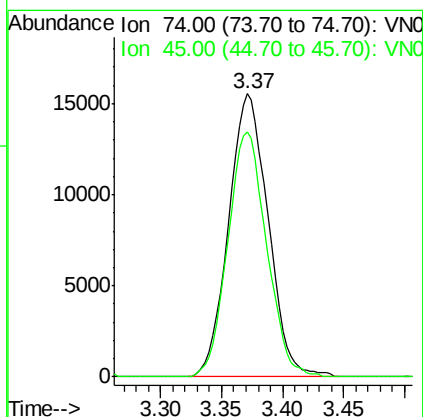
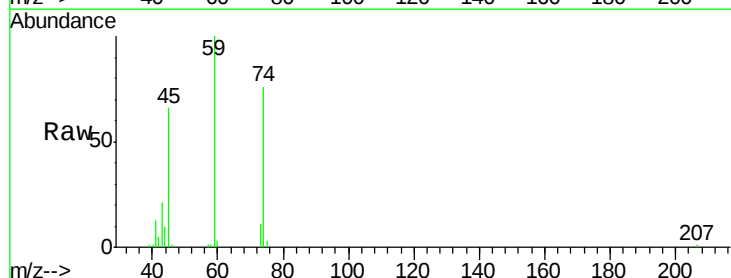
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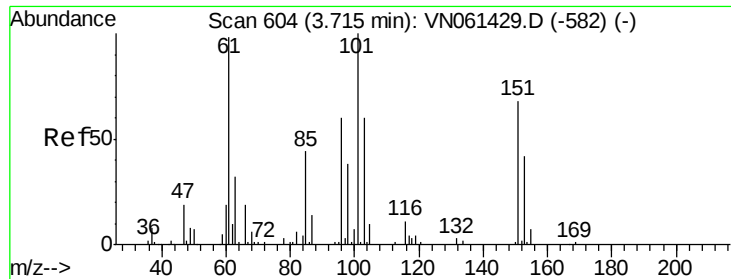


#8

Diethyl Ether
Concen: 18.216 ug/l
RT: 3.37 min Scan# 497
Delta R.T. -0.00 min
Lab File: VN061502.D
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Tgt Ion	Ratio	Lower	Upper
74	100		
45	85.1	45.7	137.1





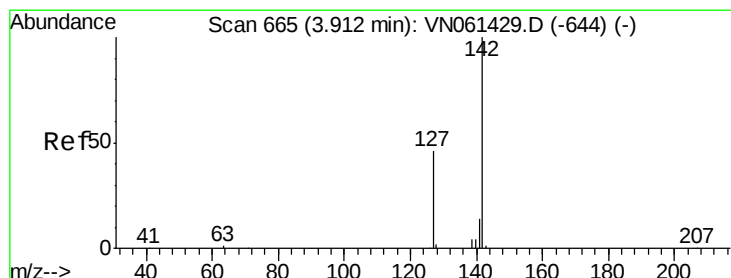
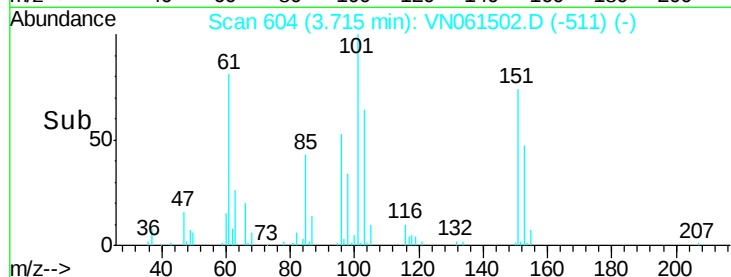
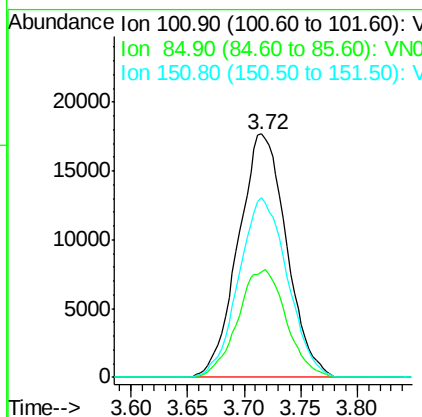
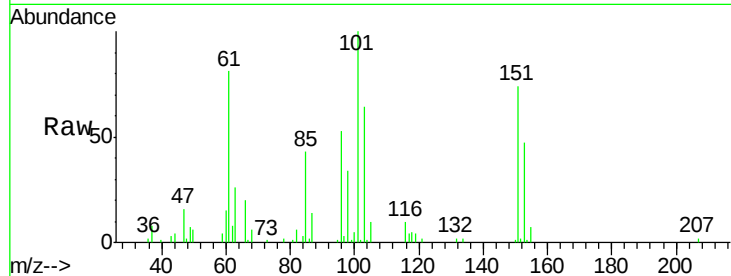
#9
1,1,2-Trichlorotrifluoroethane
Concen: 19.132 ug/l
RT: 3.72 min Scan# 604
Delta R.T. -0.00 min
Lab File: VN061502.D
Acq: 20 May 2020 15:53

Instrument :
MSVOA_N
ClientSampleId :
VN0520WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
101	100	52381		
85	44.4	36.6	55.0	
151	74.5	56.3	84.5	

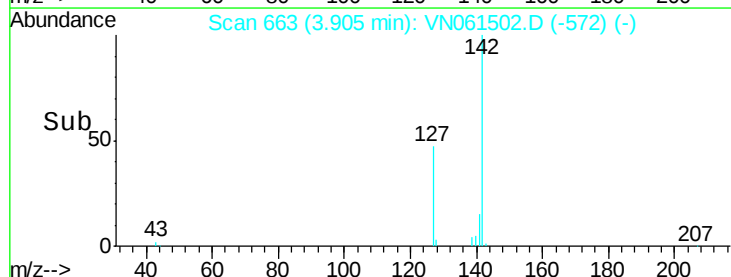
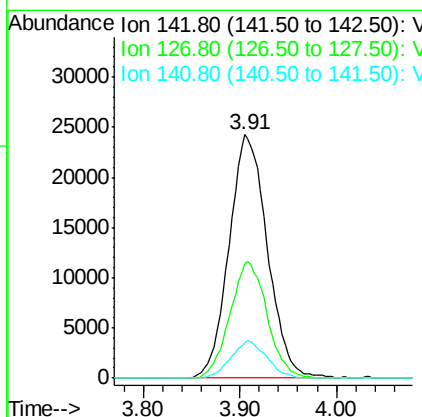
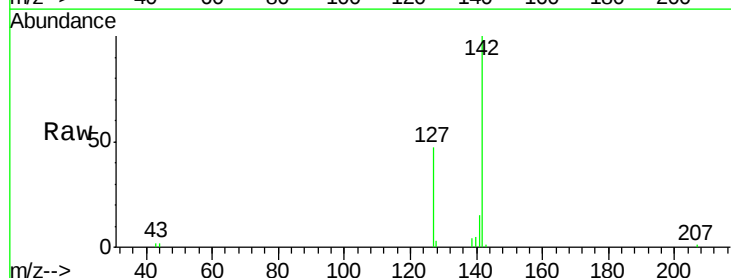
Manual Integrations
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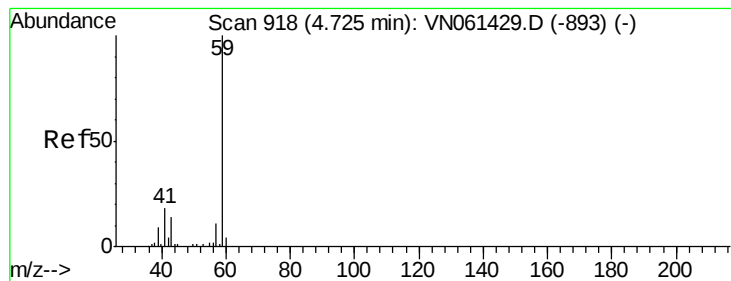
MMDadoda
5/21/2020 1:16:16 PM



#10
Methyl Iodide
Concen: 20.058 ug/l
RT: 3.91 min Scan# 663
Delta R.T. -0.01 min
Lab File: VN061502.D
Acq: 20 May 2020 15:53

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	66700		
127	46.3	36.7	55.1	
141	14.2	11.5	17.3	





#11

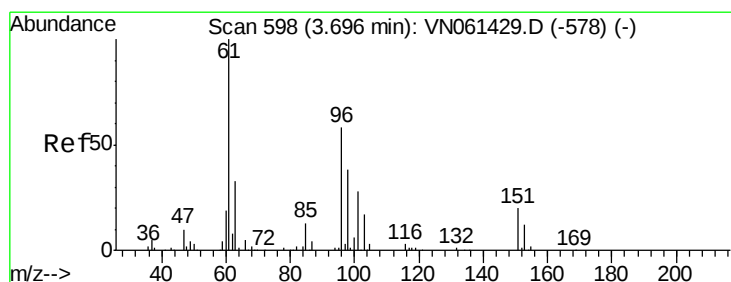
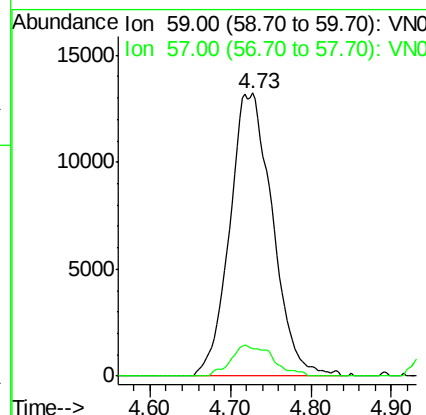
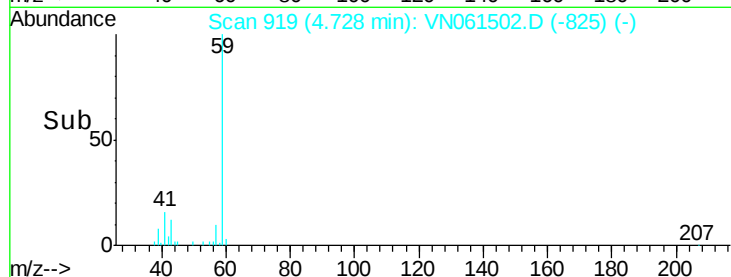
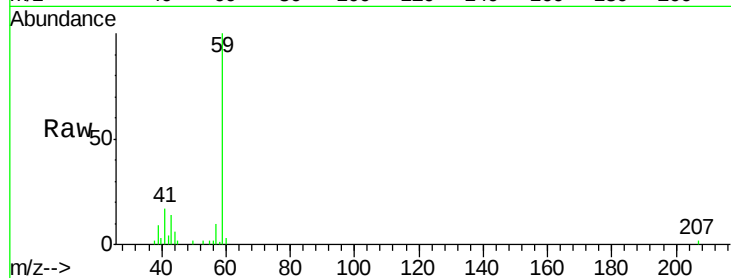
Tert butyl alcohol
 Concen: 100.740 ug/l m
 RT: 4.73 min Scan# 919
 Delta R.T. 0.00 min
 Lab File: VN061502.D
 Acq: 20 May 2020 15:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0520WBSD01

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.2	8.2	12.2

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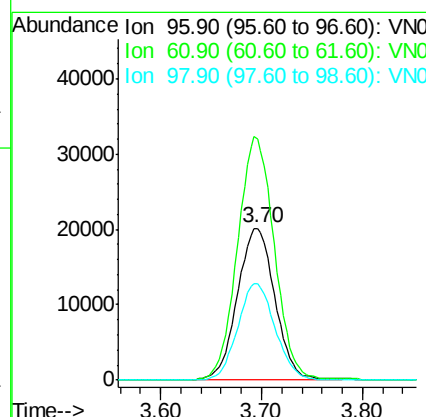
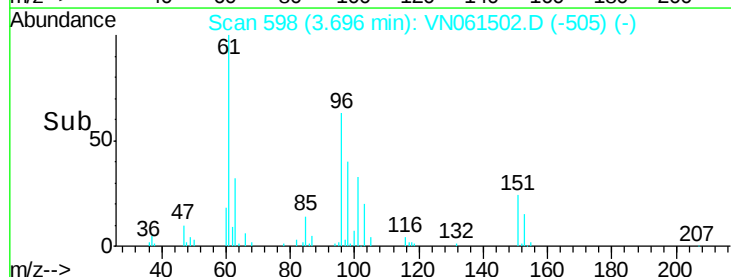
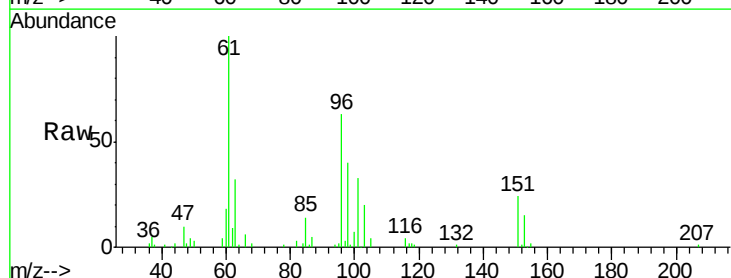
MMDadoda
 5/21/2020 1:16:16 PM

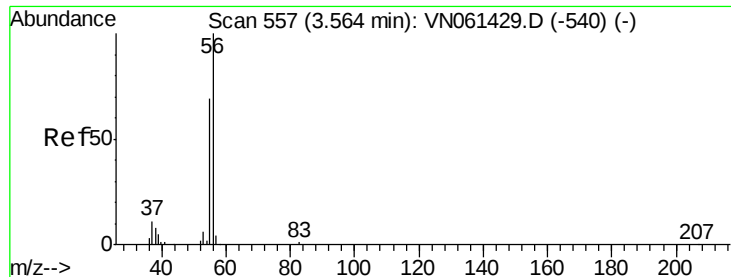


#12

1,1-Dichloroethene
 Concen: 18.192 ug/l
 RT: 3.70 min Scan# 598
 Delta R.T. -0.00 min
 Lab File: VN061502.D
 Acq: 20 May 2020 15:53

Tgt Ion	Ratio	Lower	Upper
96	100		
61	159.4	138.7	208.1
98	63.4	53.0	79.6





#13

Acrolein

Concen: 39.184 ug/l

RT: 3.56 min Scan# 557

Delta R.T. 0.00 min

Lab File: VN061502.D

Acq: 20 May 2020 15:53

Instrument :

MSVOA_N

ClientSampleId :

VN0520WBSD01

Tot Ion: 56 Resp: 19003

Ion Ratio Lower Upper

56 100

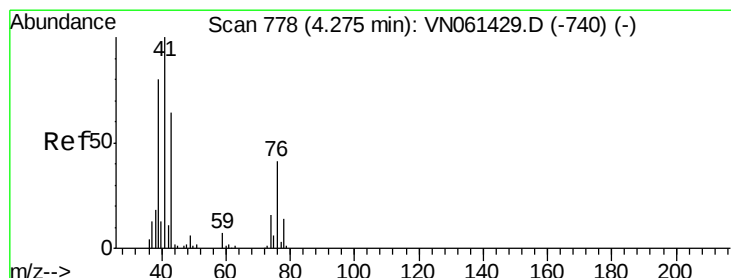
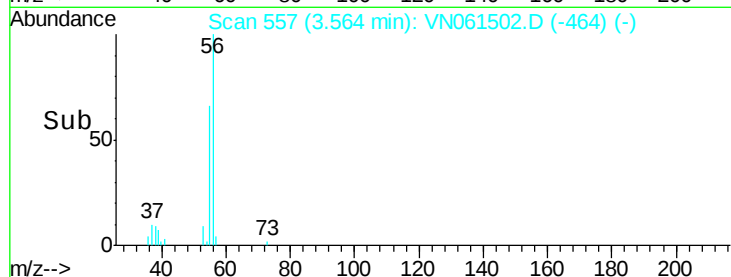
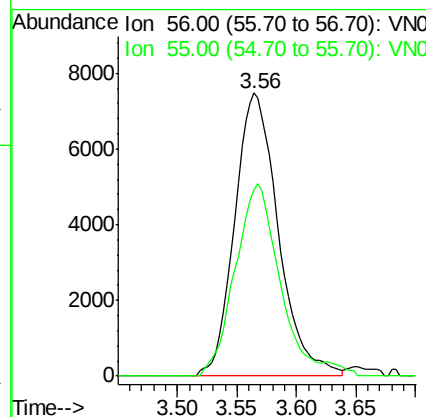
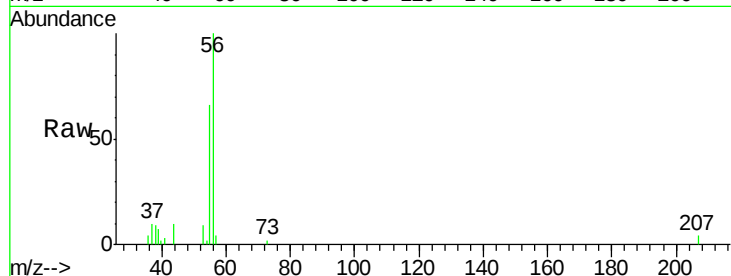
55 68.0 54.8 82.2

Manual Integrations

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5/21/2020 1:16:16 PM



#14

Allyl chloride

Concen: 16.773 ug/l

RT: 4.27 min Scan# 777

Delta R.T. -0.00 min

Lab File: VN061502.D

Acq: 20 May 2020 15:53

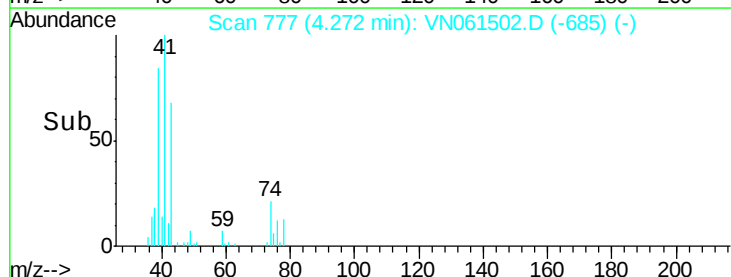
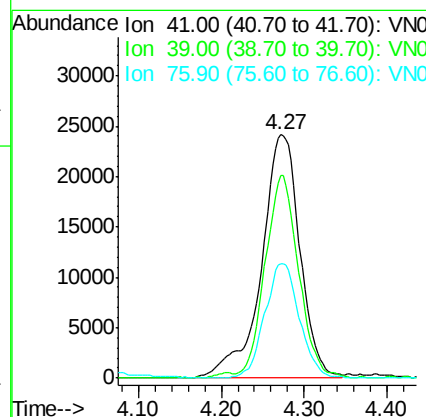
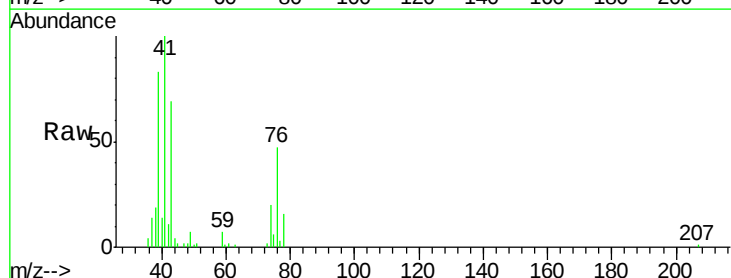
Tgt Ion: 41 Resp: 78175

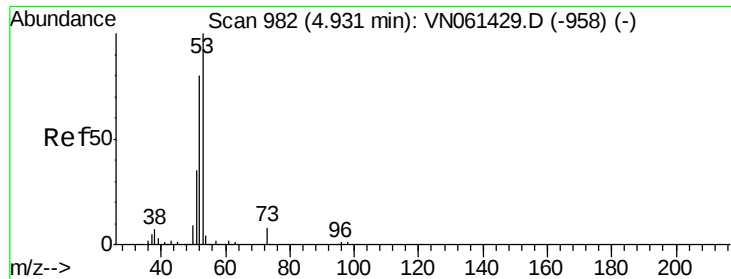
Ion Ratio Lower Upper

41 100

39 72.5 61.2 91.8

76 42.1 29.9 44.9





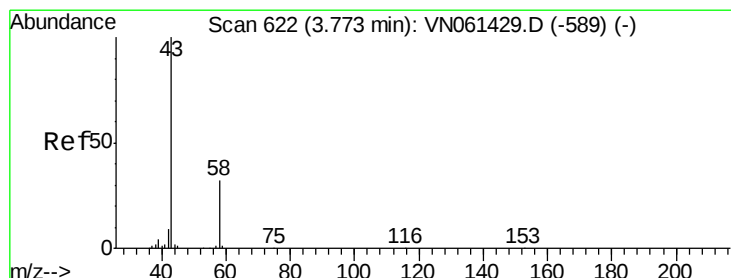
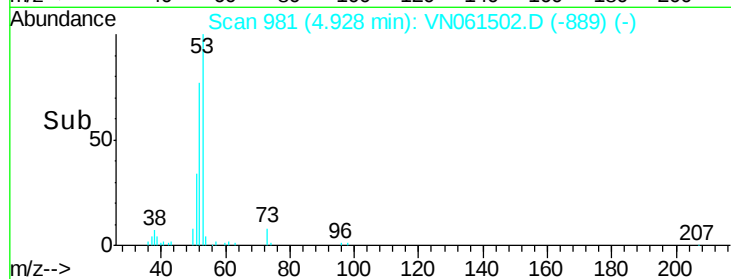
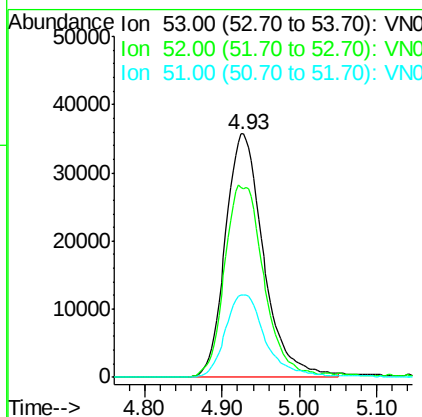
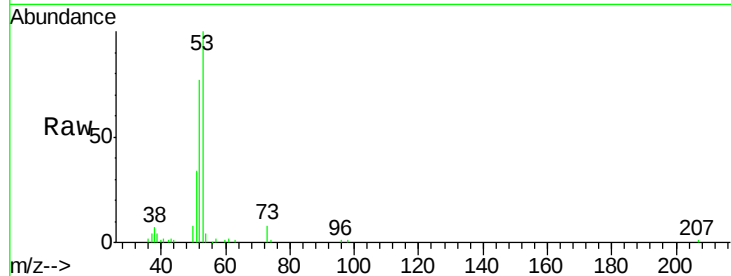
#15
 Acrylonitrile
 Concen: 86.140 ug/l
 RT: 4.93 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VN061502.D
 Acq: 20 May 2020 15:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0520WBSD01

Tot Ion:	53	Resp:	122614
Ion Ratio	Lower	Upper	
53	100		
52	80.9	64.7	97.1
51	35.4	29.5	44.3

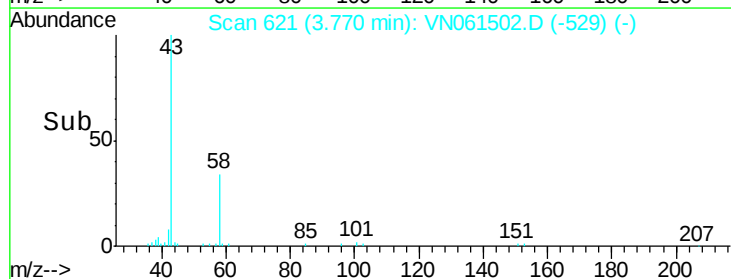
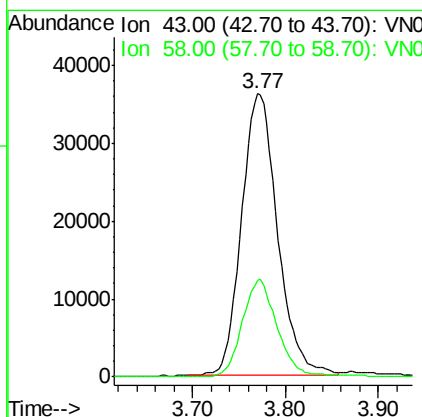
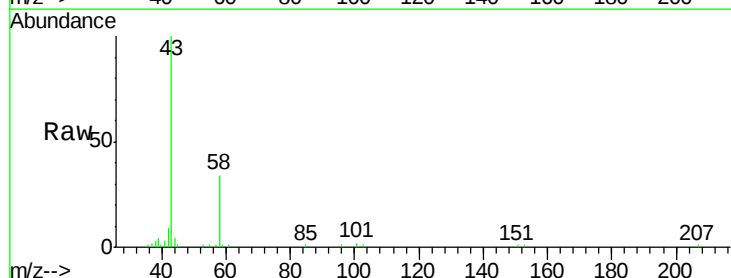
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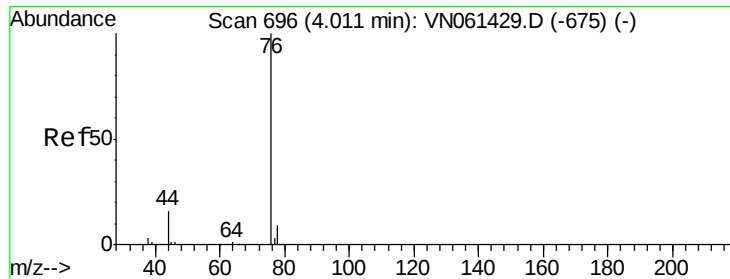
MMDadoda
 5/21/2020 1:16:16 PM



#16
 Acetone
 Concen: 84.366 ug/l
 RT: 3.77 min Scan# 621
 Delta R.T. -0.00 min
 Lab File: VN061502.D
 Acq: 20 May 2020 15:53

Tgt Ion:	43	Resp:	98085
Ion Ratio	Lower	Upper	
43	100		
58	34.4	25.6	38.4





#17

Carbon Disulfide

Concen: 19.749 ug/l

RT: 4.01 min Scan# 695

Delta R.T. -0.00 min

Lab File: VN061502.D

Acq: 20 May 2020 15:53

Instrument :

MSVOA_N

ClientSampleId :

VN0520WBSD01

Tot Ion: 76 Resp: 133250

Ion Ratio Lower Upper

76 100

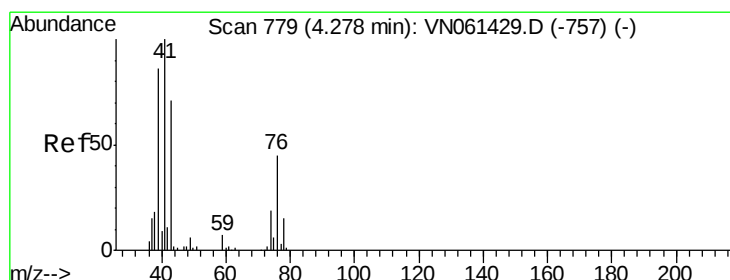
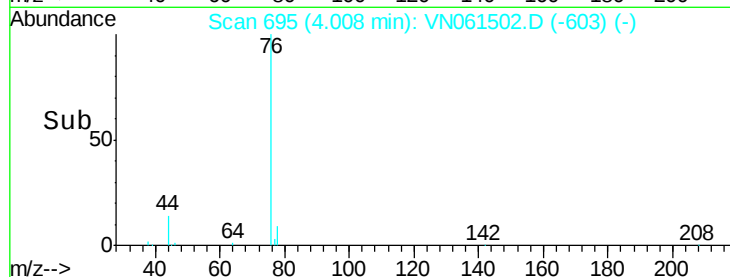
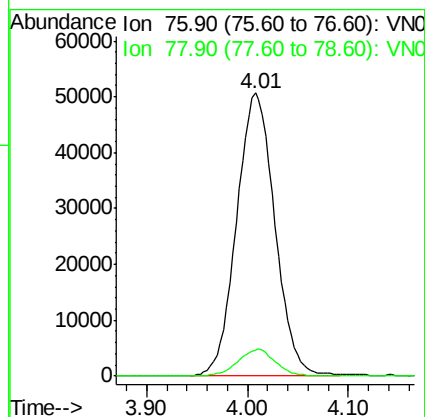
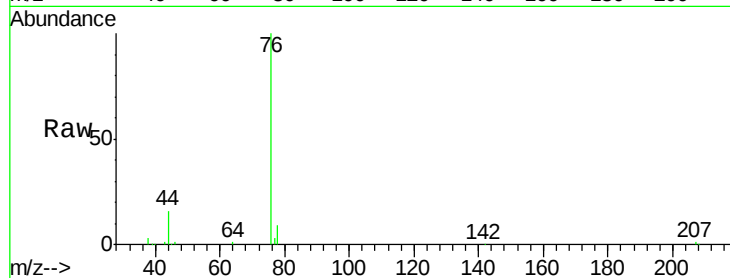
78 9.3 7.4 11.0

Manual Integrations

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5/21/2020 1:16:16 PM



#18

Methyl Acetate

Concen: 16.953 ug/l

RT: 4.27 min Scan# 778

Delta R.T. -0.00 min

Lab File: VN061502.D

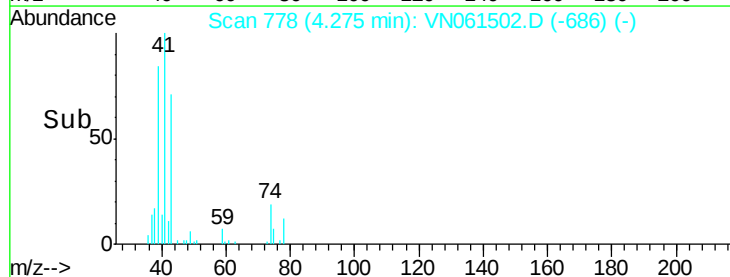
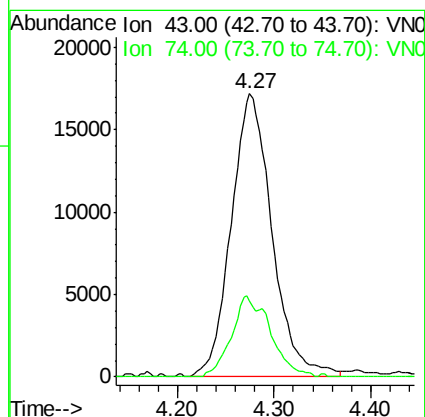
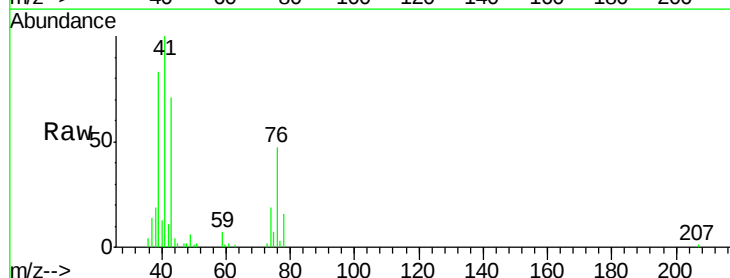
Acq: 20 May 2020 15:53

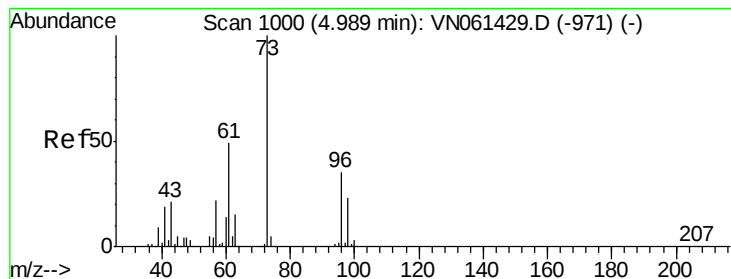
Tgt Ion: 43 Resp: 50502

Ion Ratio Lower Upper

43 100

74 27.2 20.8 31.2





#19

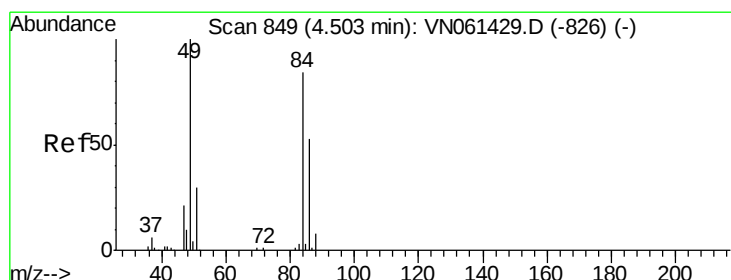
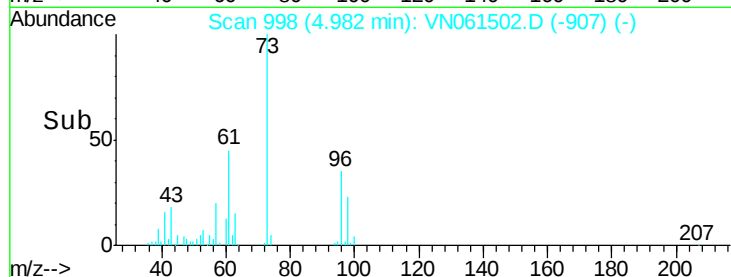
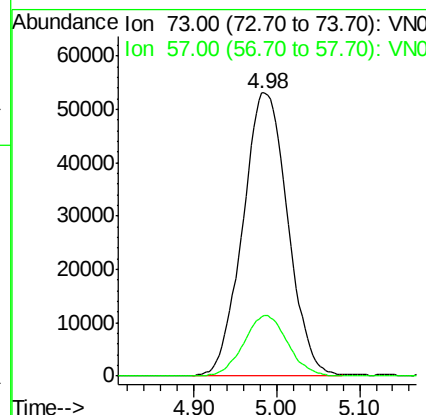
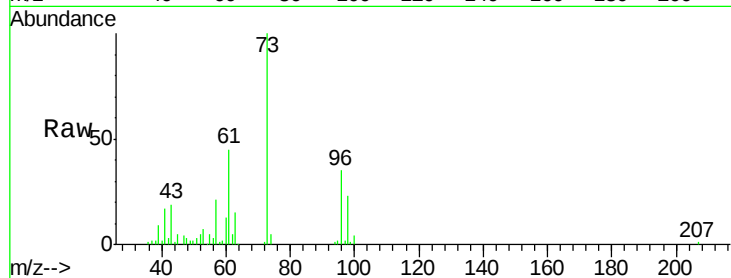
Methvl tert-butvl Ether
 Concen: 18.439 ug/l
 RT: 4.98 min Scan# 998
 Delta R.T. -0.01 min
 Lab File: VN061502.D
 Acq: 20 May 2020 15:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0520WBSD01

Tot Ion	73	Resp	200397
Ion Ratio	Lower	Upper	
73	100		
57	21.0	17.4	26.0

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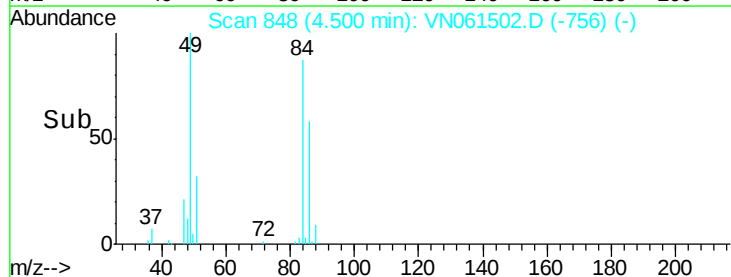
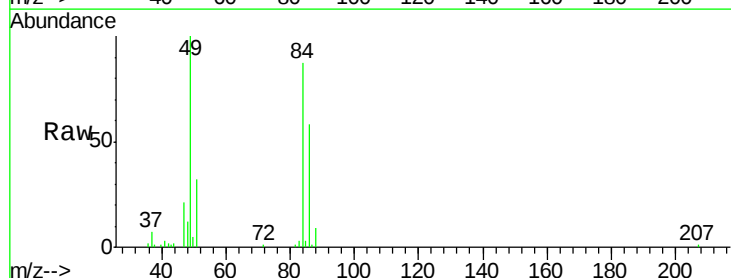
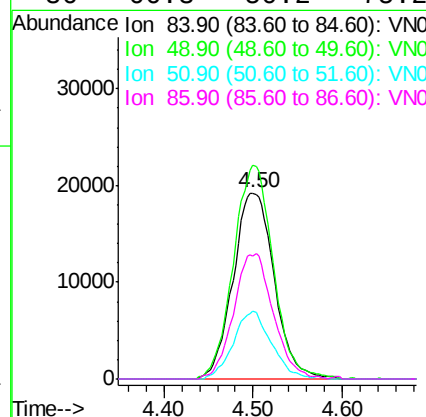
MMDadoda
 5/21/2020 1:16:16 PM

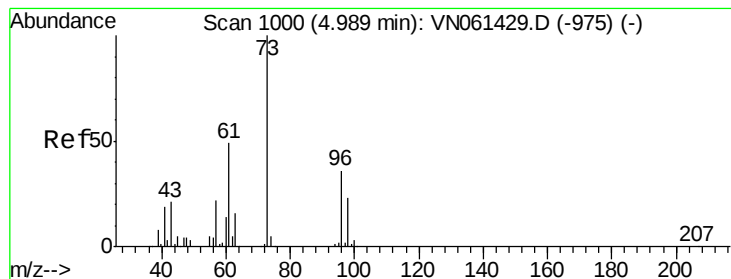


#20

Methylene Chloride
 Concen: 17.976 ug/l
 RT: 4.50 min Scan# 848
 Delta R.T. -0.00 min
 Lab File: VN061502.D
 Acq: 20 May 2020 15:53

Tgt Ion	84	Resp	61603
Ion Ratio	Lower	Upper	
84	100		
49	114.8	95.3	142.9
51	36.2	29.0	43.6
86	66.3	50.2	75.2





#21

trans-1,2-Dichloroethene

Concen: 18.252 ug/l

RT: 4.98 min Scan# 998

Delta R.T. -0.01 min

Lab File: VN061502.D

Acq: 20 May 2020 15:53

Instrument :

MSVOA_N

ClientSampleId :

VN0520WBSD01

Tot Ion: 96 Resp: 60275

Ion Ratio Lower Upper

96 100

61 130.8 109.8 164.6

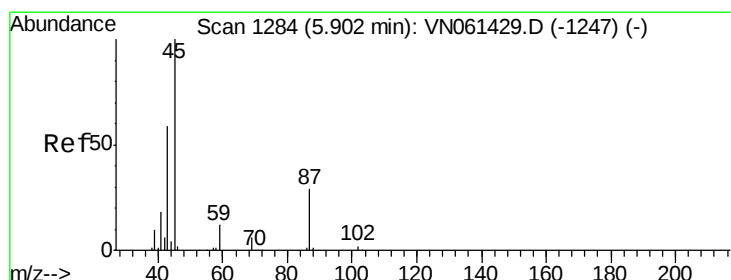
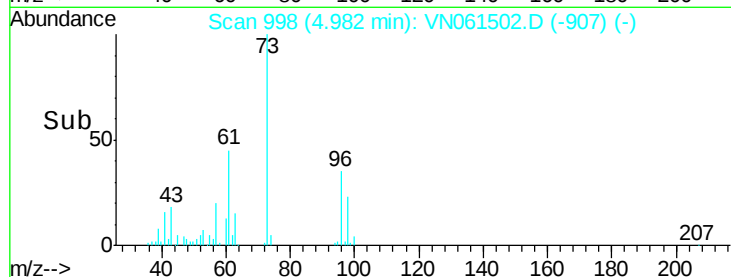
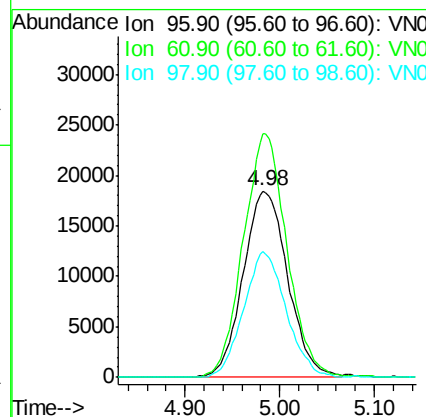
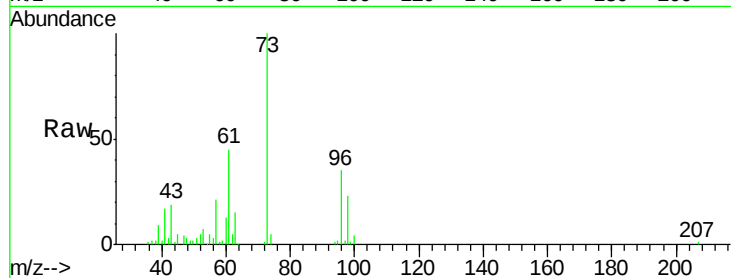
98 67.6 52.4 78.6

Manual Integrations

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#22

Diisopropyl ether

Concen: 16.777 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VN061502.D

Acq: 20 May 2020 15:53

Tgt Ion: 45 Resp: 175705

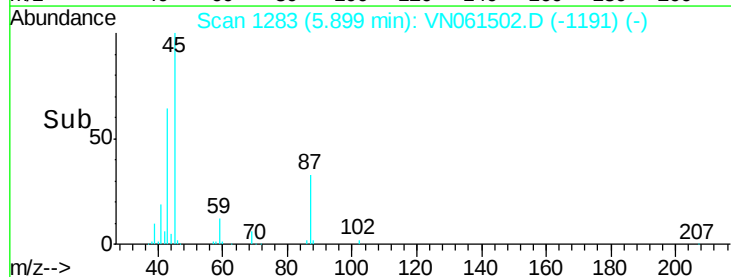
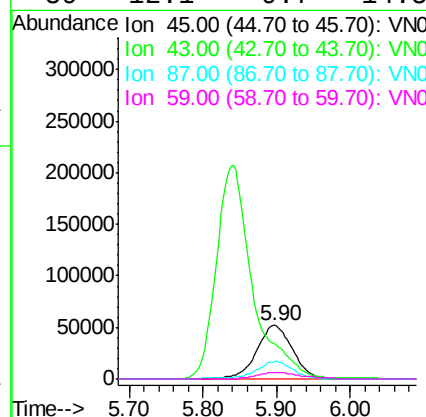
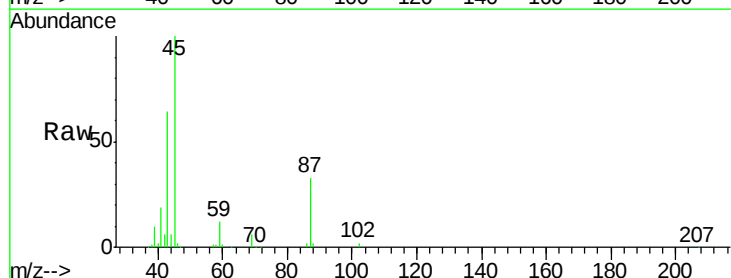
Ion Ratio Lower Upper

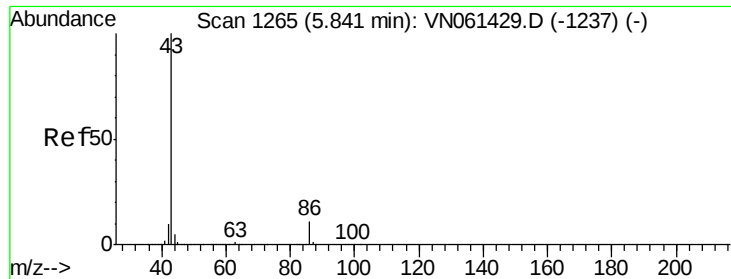
45 100

43 61.9 47.9 71.9

87 32.9 24.0 36.0

59 12.1 9.7 14.5





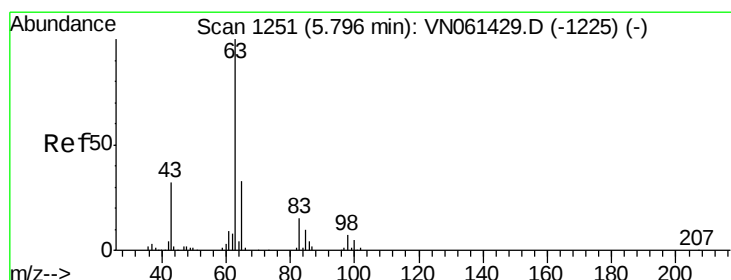
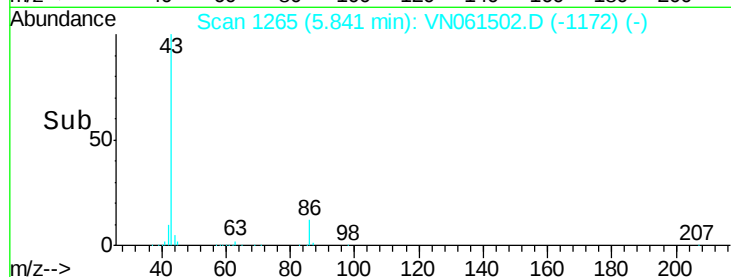
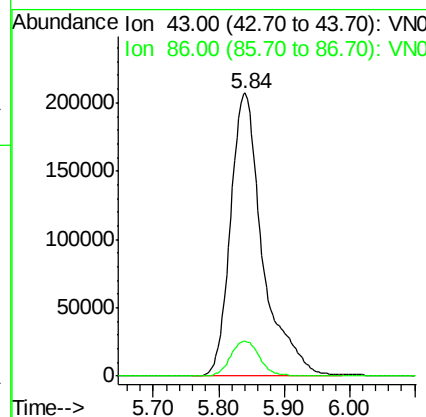
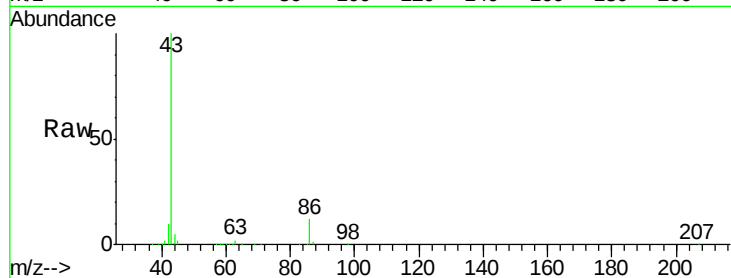
#23
 Vinyl Acetate
 Concen: 85.094 ug/l
 RT: 5.84 min Scan# 1265
 Delta R.T. -0.00 min
 Lab File: VN061502.D
 Acq: 20 May 2020 15:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0520WBSD01

Tot Ion	43	Resp	708699
Ion	Ratio	Lower	Upper
43	100		
86	12.3	9.1	13.7

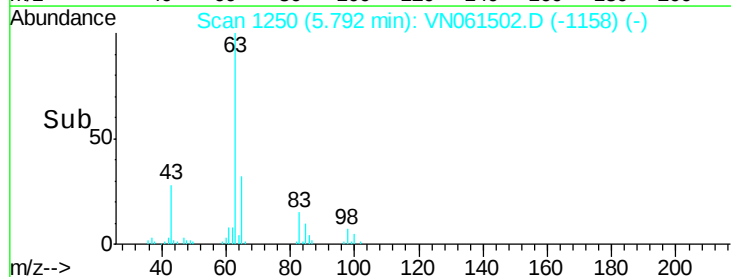
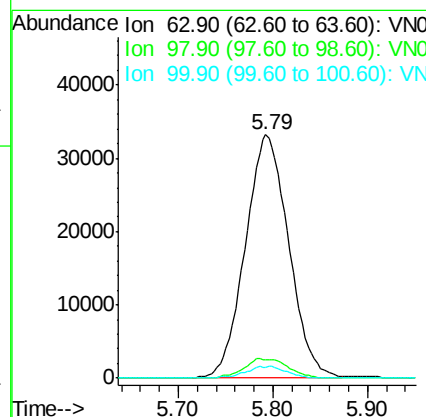
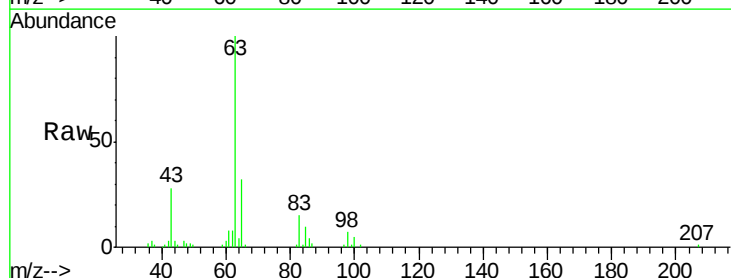
Manual Integrations
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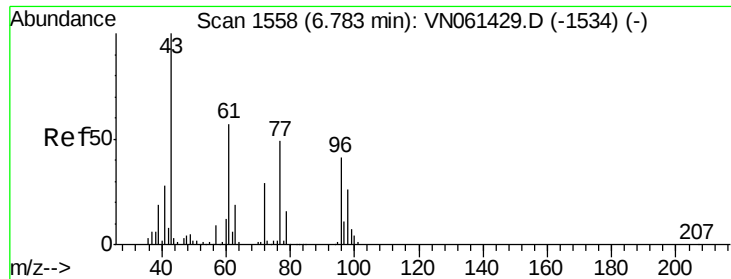
MMDadoda
 5/21/2020 1:16:16 PM



#24
 1,1-Dichloroethane
 Concen: 17.311 ug/l
 RT: 5.79 min Scan# 1250
 Delta R.T. -0.00 min
 Lab File: VN061502.D
 Acq: 20 May 2020 15:53

Tgt Ion	63	Resp	105750
Ion	Ratio	Lower	Upper
63	100		
98	7.4	3.5	10.5
100	4.5	2.3	6.9





#25

2-Butanone

Concen: 80.772 ug/l

RT: 6.78 min Scan# 1558

Delta R.T. -0.00 min

Lab File: VN061502.D

Acq: 20 May 2020 15:53

Instrument :

MSVOA_N

ClientSampleId :

VN0520WBSD01

Tot Ion: 43 Resp: 153350

Ion Ratio Lower Upper

43 100

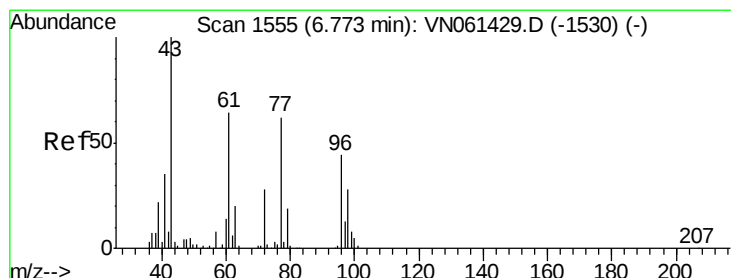
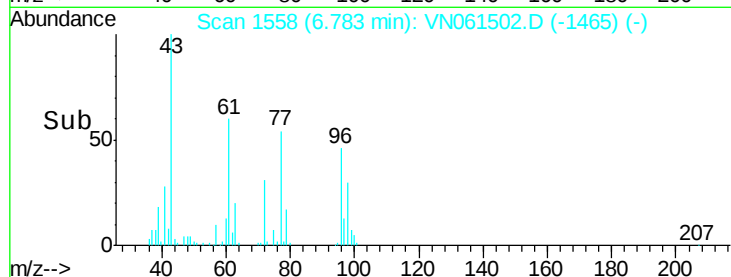
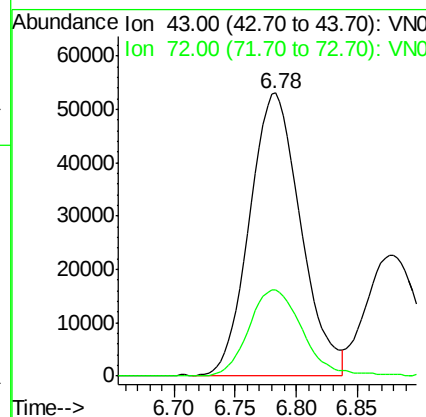
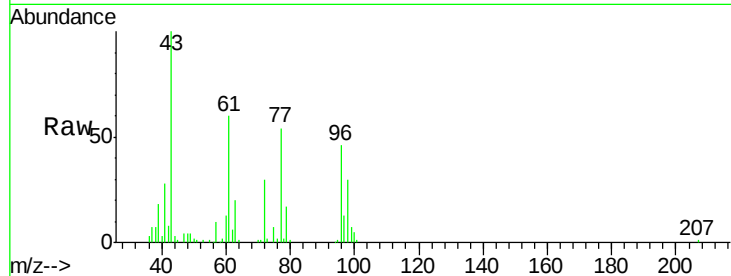
72 30.6 23.0 34.6

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#26

2,2-Dichloropropane

Concen: 17.542 ug/l

RT: 6.77 min Scan# 1555

Delta R.T. -0.00 min

Lab File: VN061502.D

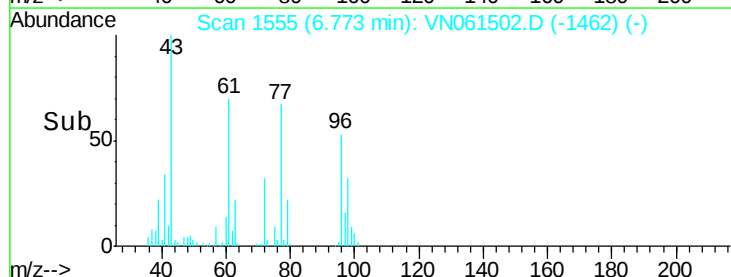
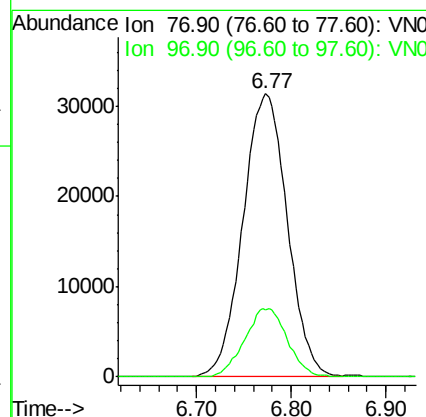
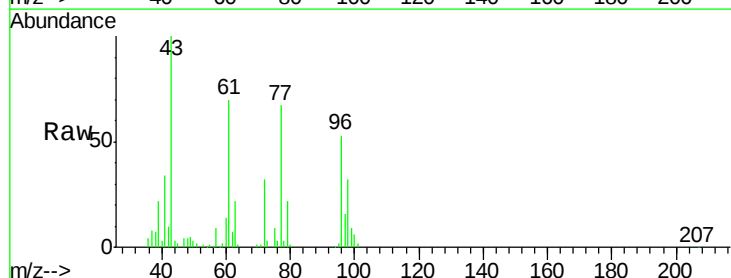
Acq: 20 May 2020 15:53

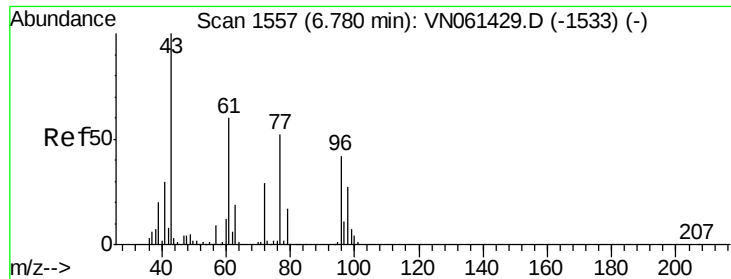
Tgt Ion: 77 Resp: 102157

Ion Ratio Lower Upper

77 100

97 23.2 10.9 32.9





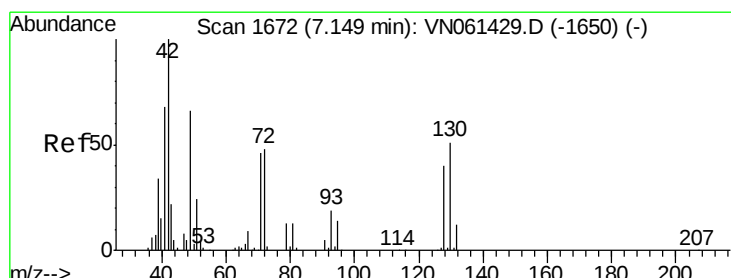
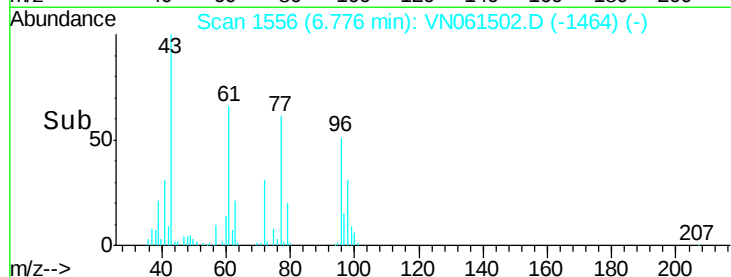
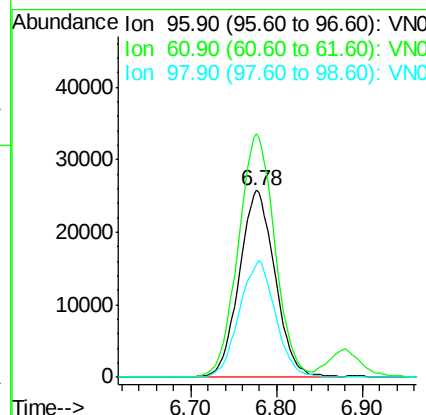
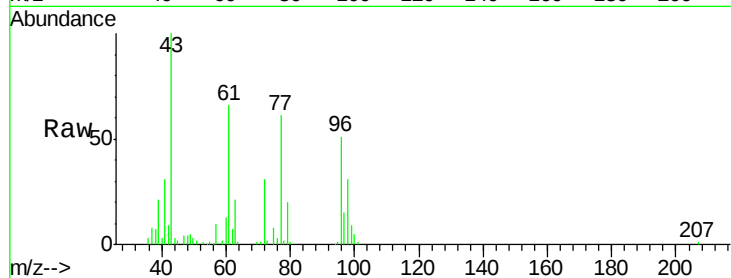
#27
 cis-1,2-Dichloroethene
 Concen: 19.142 ug/l
 RT: 6.78 min Scan# 1556
 Delta R.T. -0.00 min
 Lab File: VN061502.D
 Acq: 20 May 2020 15:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0520WBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	132.8	0.0	294.2
98	62.5	0.0	128.2

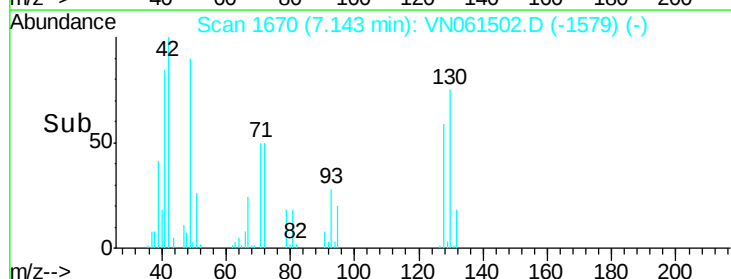
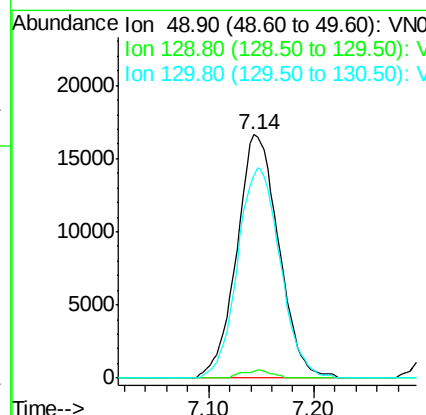
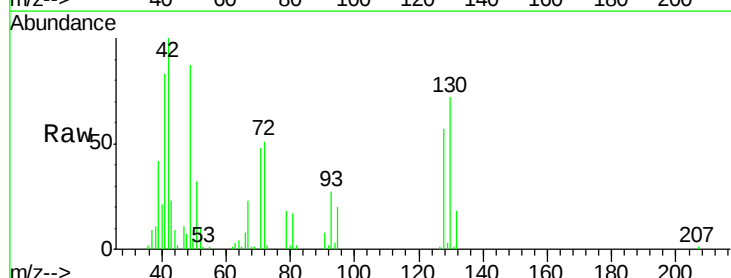
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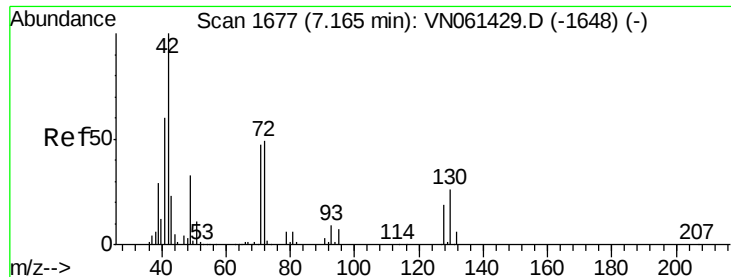
MMDadoda
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#28
 Bromochloromethane
 Concen: 17.751 ug/l
 RT: 7.14 min Scan# 1670
 Delta R.T. -0.01 min
 Lab File: VN061502.D
 Acq: 20 May 2020 15:53

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	4.6
130	87.6	62.2	93.2





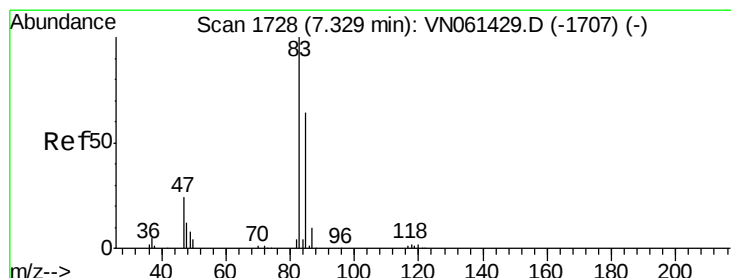
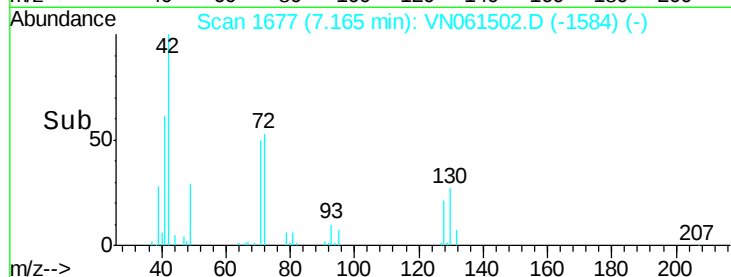
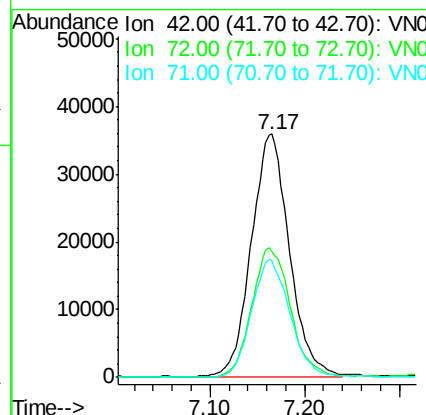
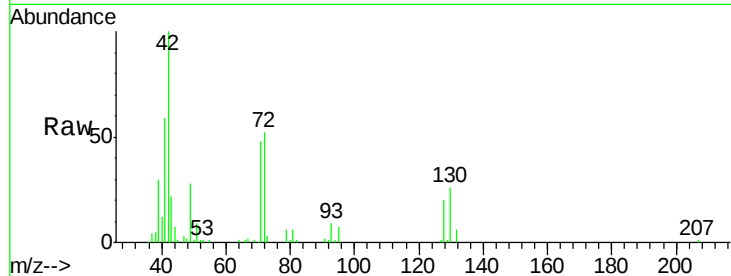
#29
Tetrahydrofuran
Concen: 80.204 ug/l
RT: 7.17 min Scan# 1677
Delta R.T. -0.00 min
Lab File: VN061502.D
Acq: 20 May 2020 15:53

Instrument :
MSVOA_N
ClientSampleId :
VN0520WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	54.0	39.0	58.6
71	48.8	36.9	55.3

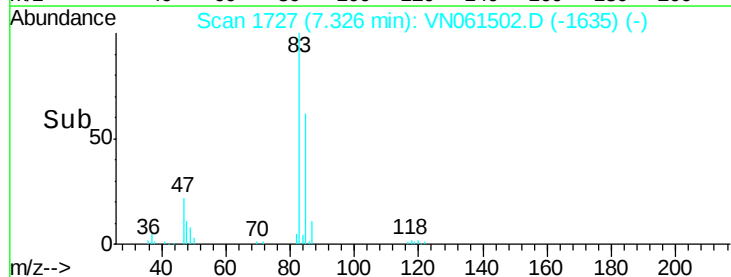
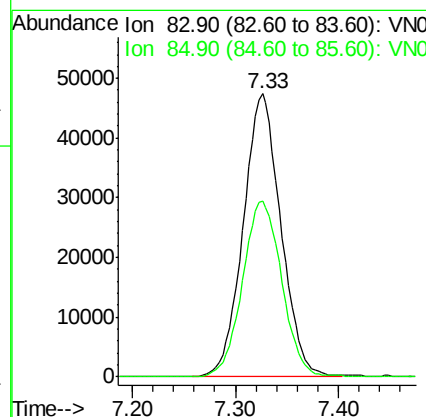
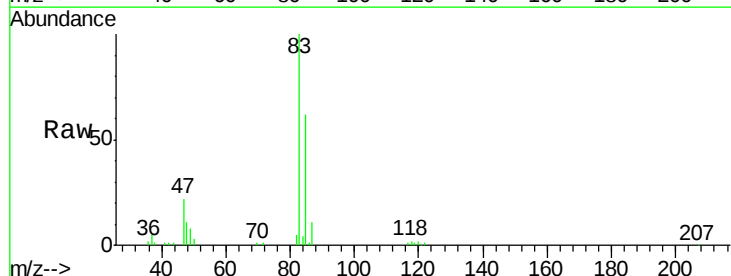
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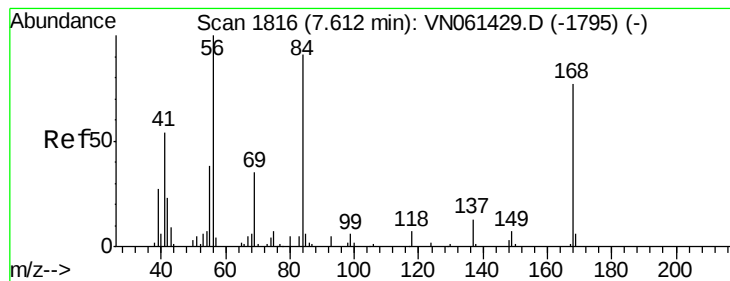
MMDadoda
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#30
Chloroform
Concen: 18.852 ug/l
RT: 7.33 min Scan# 1727
Delta R.T. -0.00 min
Lab File: VN061502.D
Acq: 20 May 2020 15:53

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.2	51.0	76.4





#31

Cyclohexane

Concen: 15.136 ug/l

RT: 7.61 min Scan# 1815

Delta R.T. -0.00 min

Lab File: VN061502.D

Acq: 20 May 2020 15:53

Instrument :

MSVOA_N

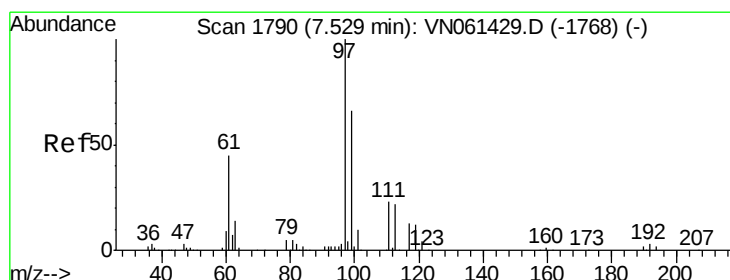
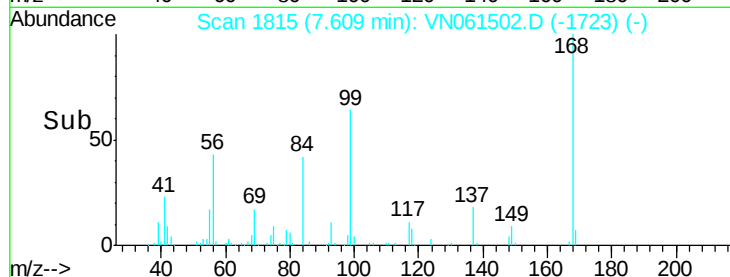
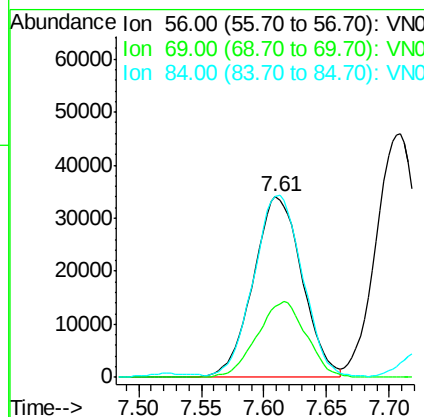
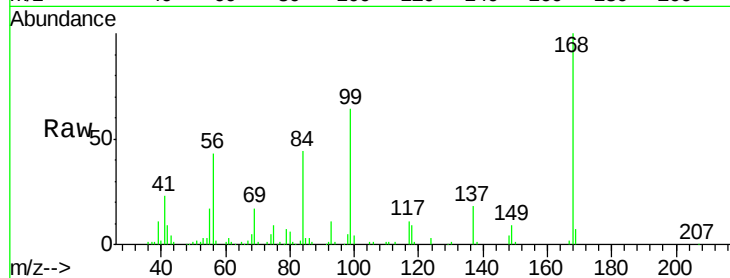
ClientSampleId :

VN0520WBSD01

Tot Ion:	56	Resp:	92547
Ion Ratio	Lower	Upper	
56	100		
69	39.1	27.8	41.6
84	98.7	72.7	109.1

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 18.789 ug/l

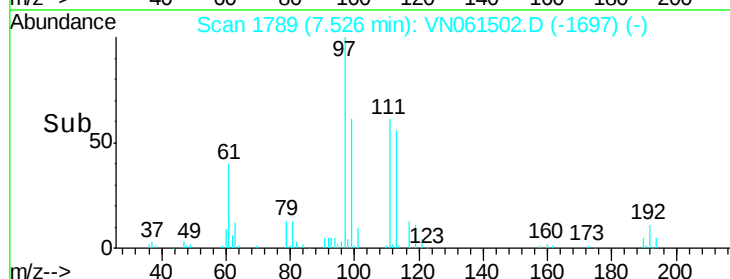
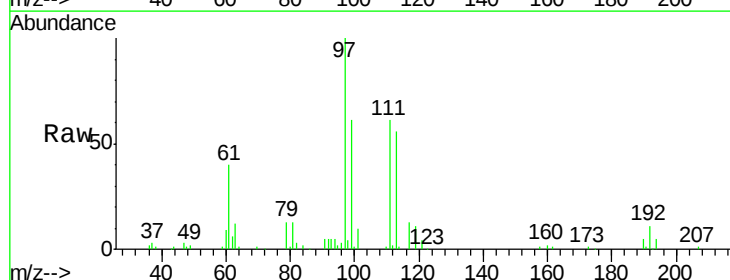
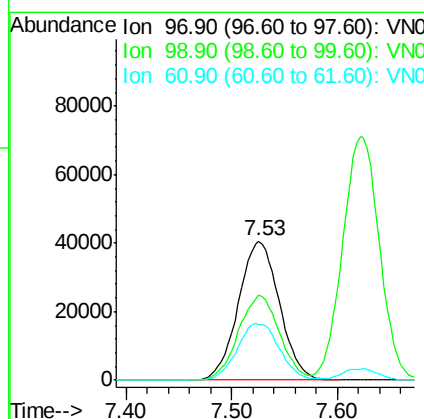
RT: 7.53 min Scan# 1789

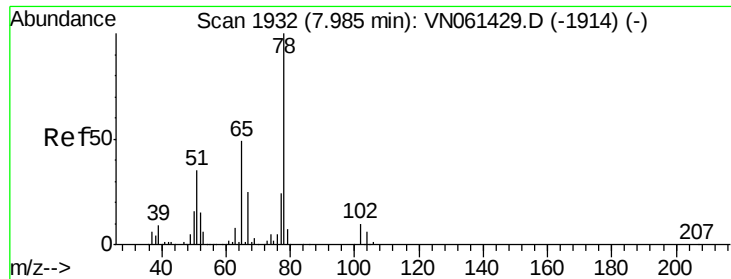
Delta R.T. -0.00 min

Lab File: VN061502.D

Acq: 20 May 2020 15:53

Tgt Ion:	97	Resp:	109546
Ion Ratio	Lower	Upper	
97	100		
99	61.1	51.5	77.3
61	41.8	35.8	53.6





#33

1,2-Dichloroethane-d4

Concen: 44.037 ug/l

RT: 7.99 min Scan# 1932

Delta R.T. -0.00 min

Lab File: VN061502.D

Acq: 20 May 2020 15:53

Instrument :

MSVOA_N

ClientSampleId :

VN0520WBSD01

Tot Ion: 65 Resp: 183627

Ion Ratio Lower Upper

65 100

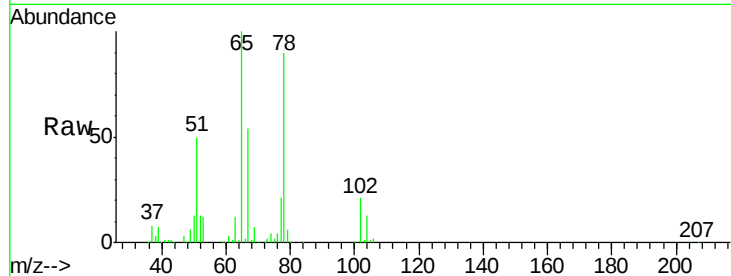
67 52.0 0.0 101.4

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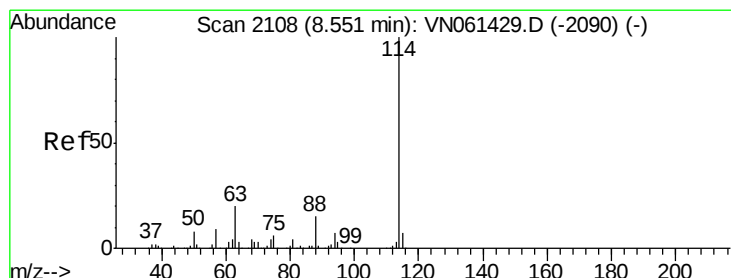
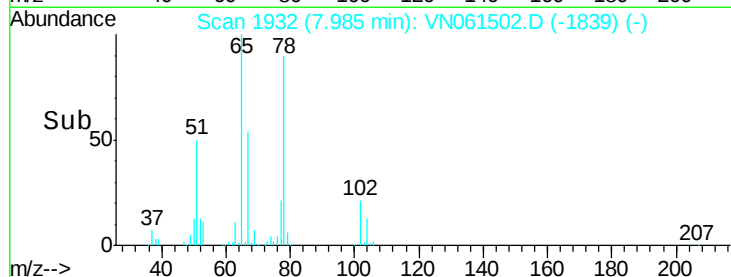
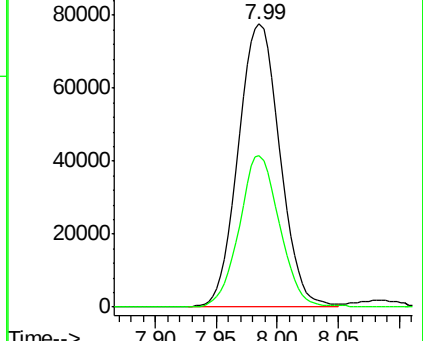
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Abundance Ion 64.90 (64.60 to 65.60): VN061429.D (-1914) (-)

Ion 66.90 (66.60 to 67.60): VN061429.D (-1914) (-)



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2107

Delta R.T. -0.00 min

Lab File: VN061502.D

Acq: 20 May 2020 15:53

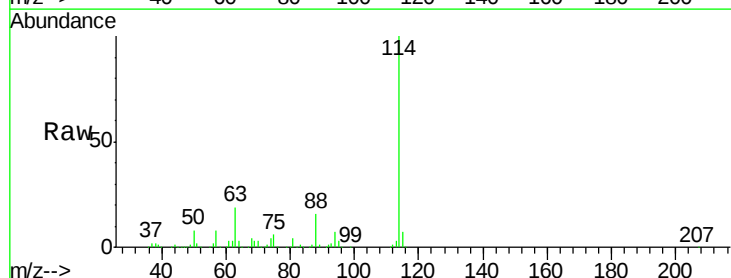
Tgt Ion: 114 Resp: 494130

Ion Ratio Lower Upper

114 100

63 18.8 0.0 40.8

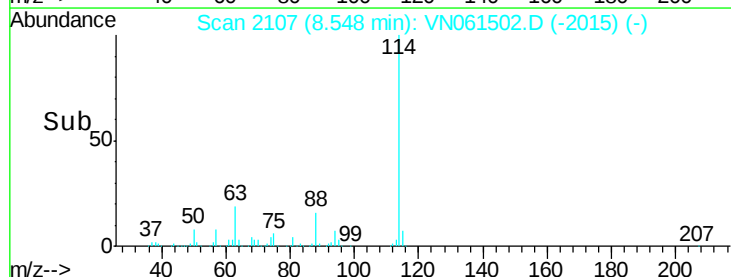
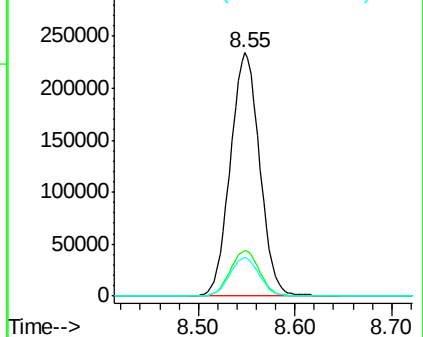
88 15.9 0.0 30.8

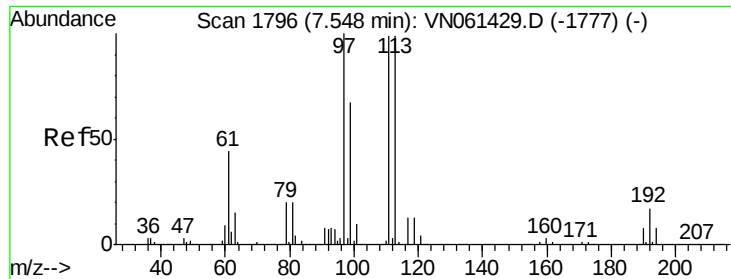


Abundance Ion 113.90 (113.60 to 114.60): VN061429.D (-2090) (-)

Ion 63.00 (62.70 to 63.70): VN061429.D (-2090) (-)

Ion 87.90 (87.60 to 88.60): VN061429.D (-2090) (-)





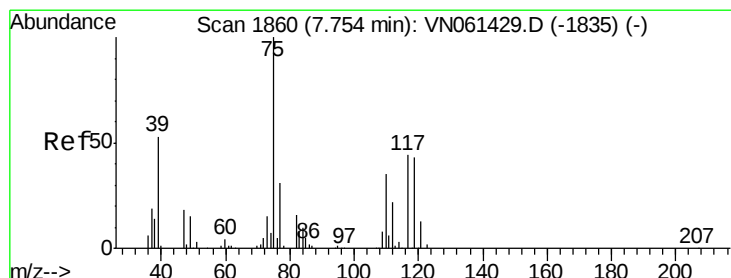
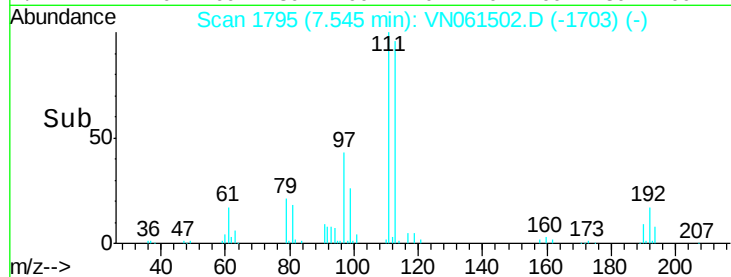
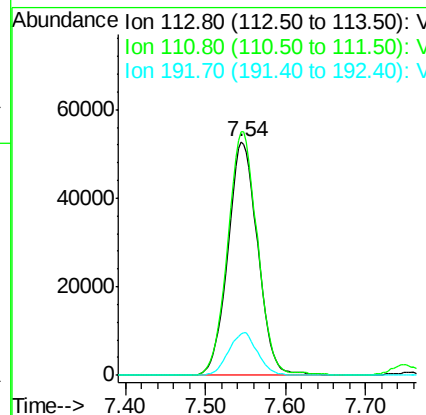
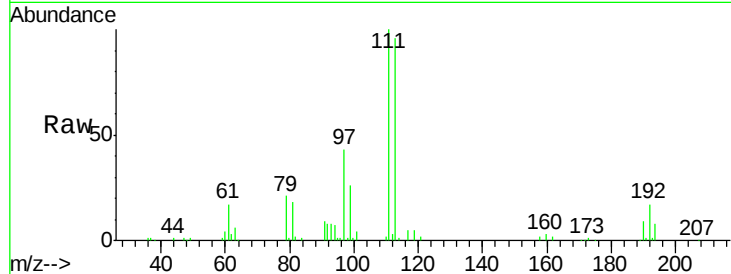
#35
 Dibromofluoromethane
 Concen: 51.789 ug/l
 RT: 7.54 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VN061502.D
 Acq: 20 May 2020 15:53

Instrument :
 MSVOA_N
 ClientSampled :
 VN0520WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	103.4	80.6	121.0	
192	17.7	13.2	19.8	

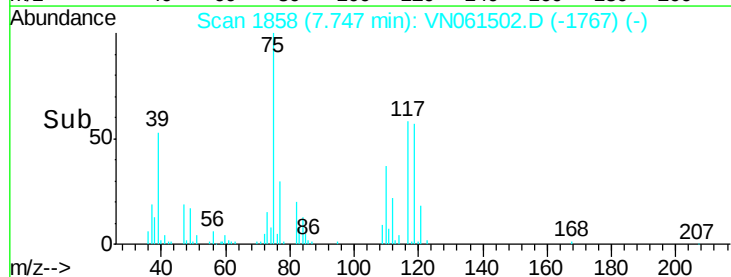
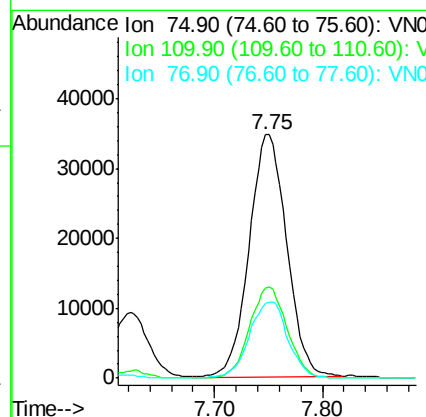
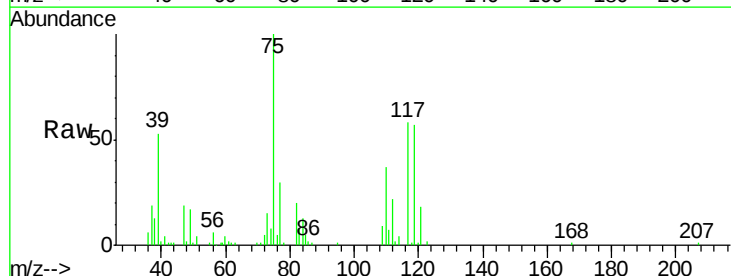
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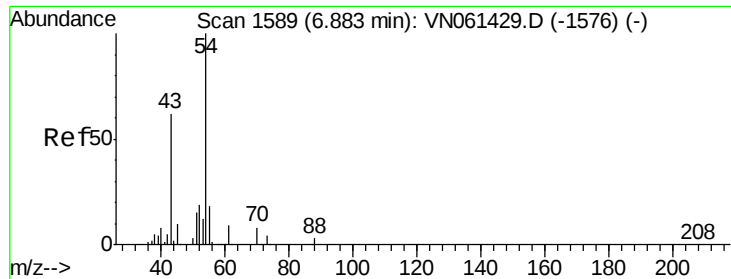
MMDadoda
 5/21/2020 1:16:16 PM



#36
 1,1-Dichloropropene
 Concen: 18.204 ug/l
 RT: 7.75 min Scan# 1858
 Delta R.T. -0.01 min
 Lab File: VN061502.D
 Acq: 20 May 2020 15:53

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	37.2	17.3	51.9	
77	32.1	24.9	37.3	





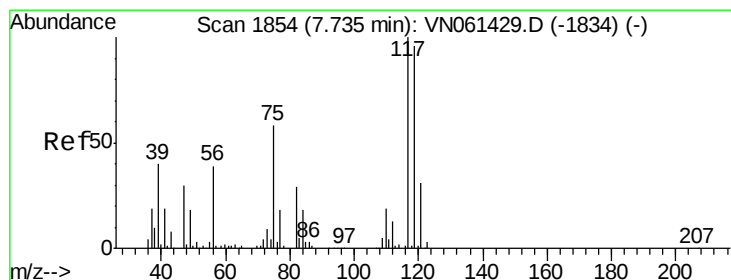
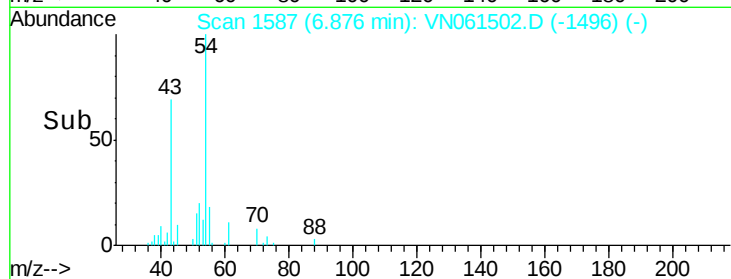
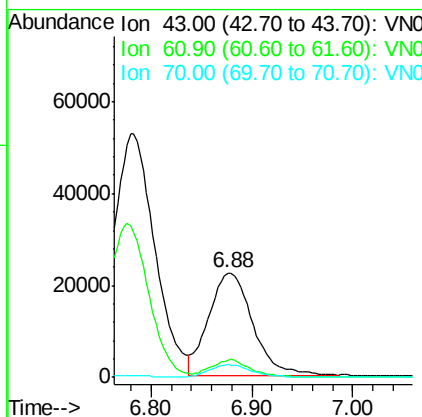
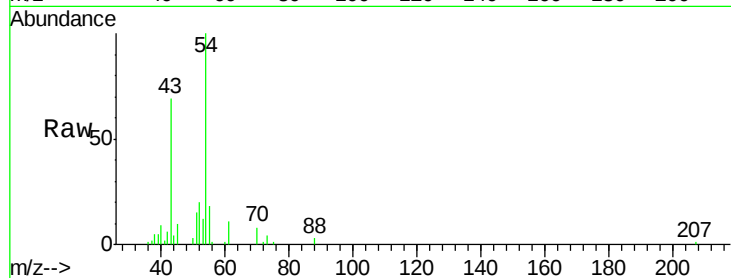
#37
Ethyl Acetate
Concen: 16.223 ug/l
RT: 6.88 min Scan# 1587
Delta R.T. -0.01 min
Lab File: VN061502.D
Acq: 20 May 2020 15:53

Instrument :
MSVOA_N
ClientSampled :
VN0520WBSD01

Tot Ion	43	61	70
Resp	67976		
Ratio	100	15.7	11.9
Lower		11.7	9.2
Upper		17.5	13.8

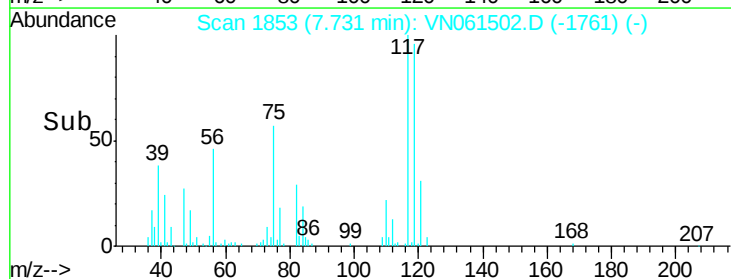
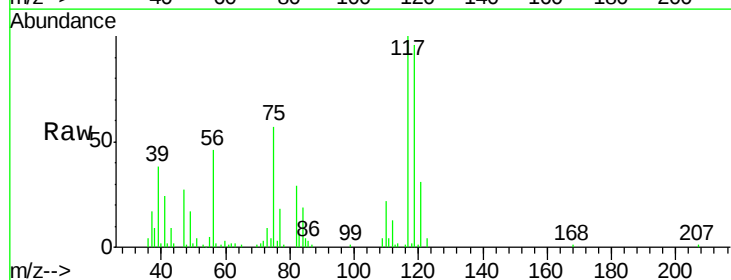
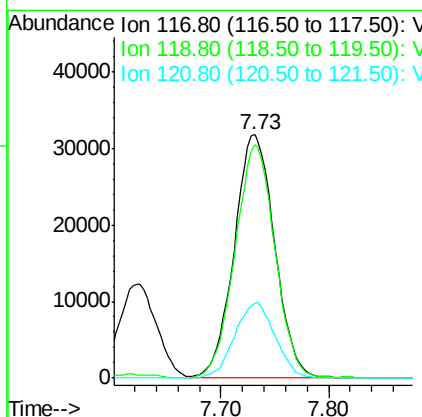
Manual Integrations
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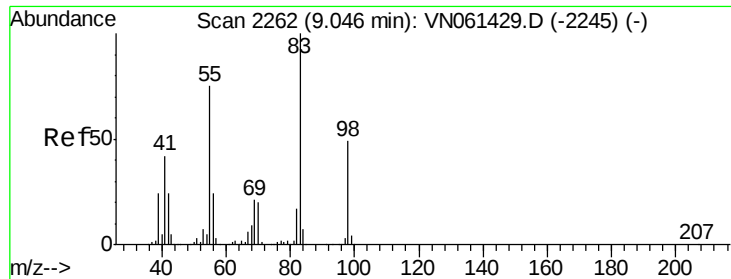
MMDadoda
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#38
Carbon Tetrachloride
Concen: 19.489 ug/l
RT: 7.73 min Scan# 1853
Delta R.T. -0.00 min
Lab File: VN061502.D
Acq: 20 May 2020 15:53

Tgt Ion	117	119	121
Resp	82913		
Ratio	100	96.1	30.9
Lower		77.0	24.7
Upper		115.6	37.1





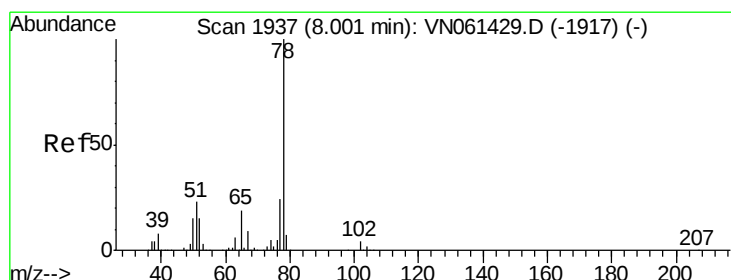
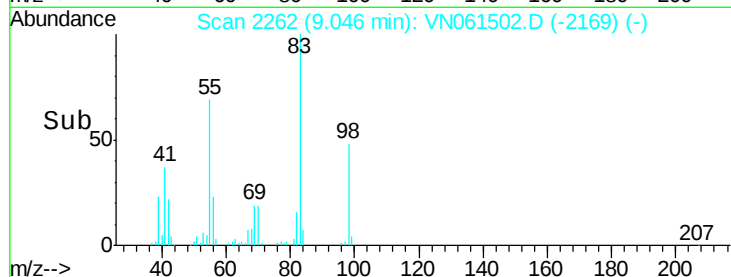
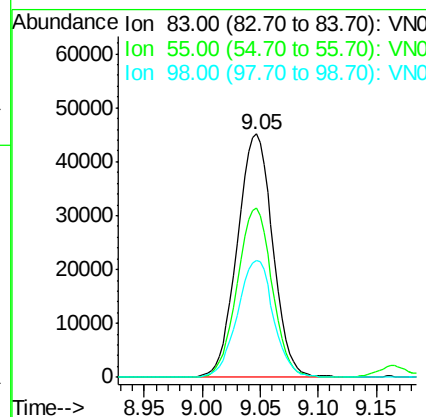
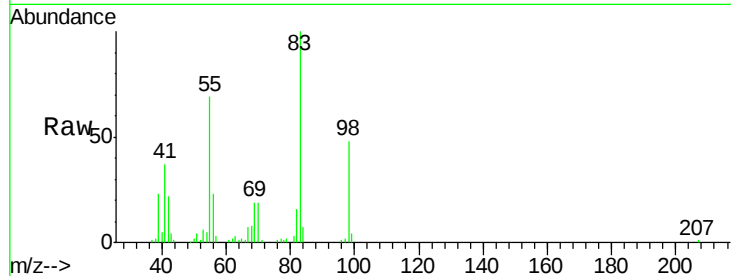
#39
Methvlcvclohexane
Concen: 16.975 ug/l
RT: 9.05 min Scan# 2262
Delta R.T. -0.00 min
Lab File: VN061502.D
Acq: 20 May 2020 15:53

Instrument :
MSVOA_N
ClientSampleId :
VN0520WBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	69.3	59.7	89.5
98	47.9	38.9	58.3

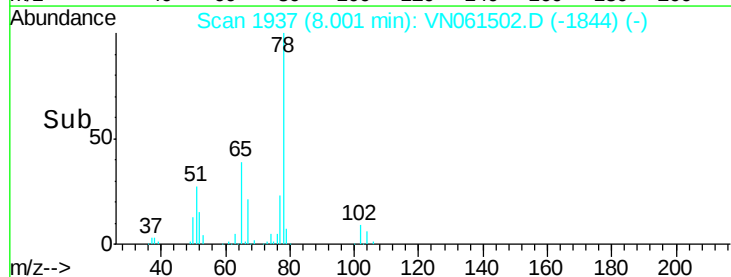
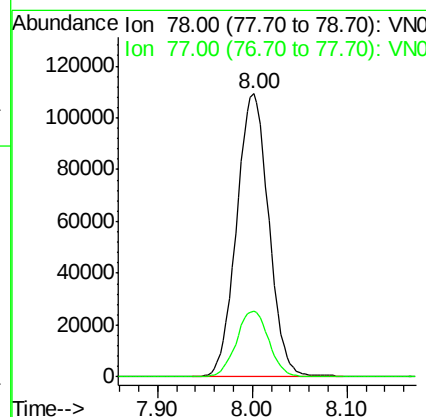
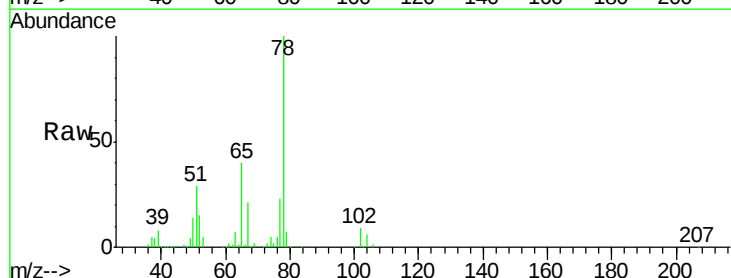
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#40
Benzene
Concen: 18.551 ug/l
RT: 8.00 min Scan# 1937
Delta R.T. -0.00 min
Lab File: VN061502.D
Acq: 20 May 2020 15:53

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.4	19.1	28.7





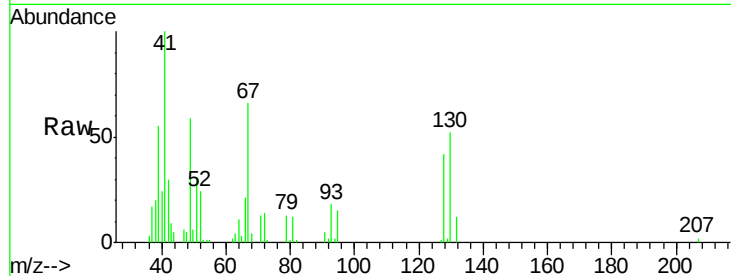
#41
Methacrylonitrile
Concen: 18.455 ug/l
RT: 7.13 min Scan# 1665
Delta R.T. 0.00 min
Lab File: VN061502.D
Acq: 20 May 2020 15:53

Instrument :
MSVOA_N
ClientSampleId :
VN0520WBSD01

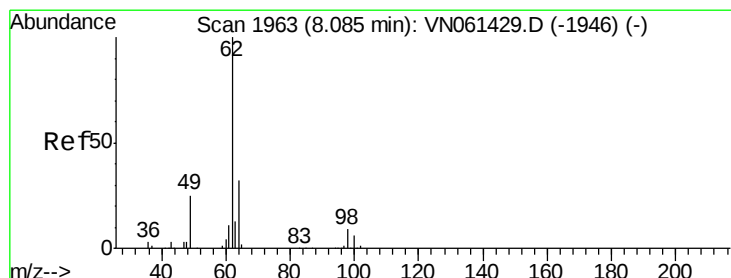
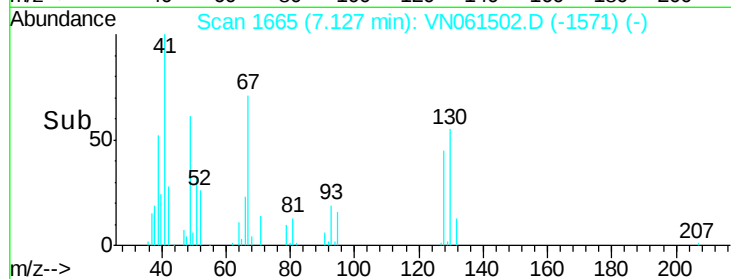
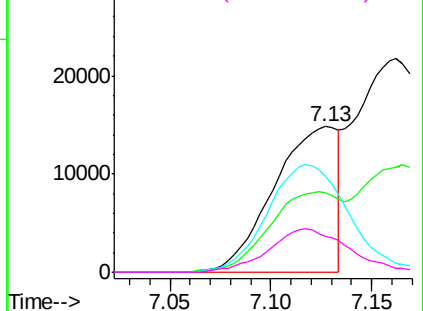
Tot Ion	41	Resp	32661
Ion Ratio	Lower	Upper	
41	100		
39	61.9	48.3	72.5
67	94.5	74.2	111.4
52	37.5	30.8	46.2

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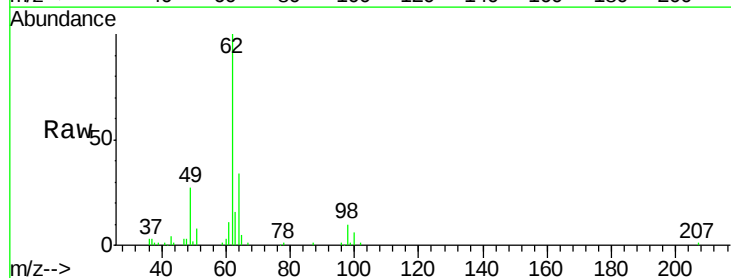


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

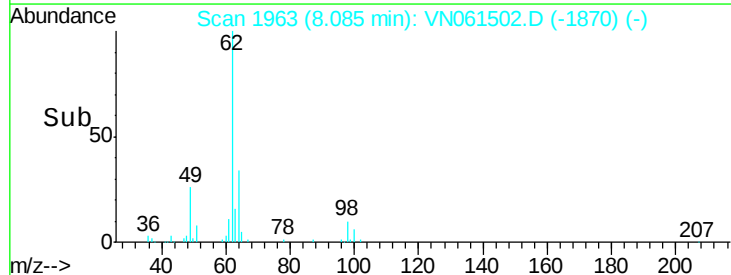
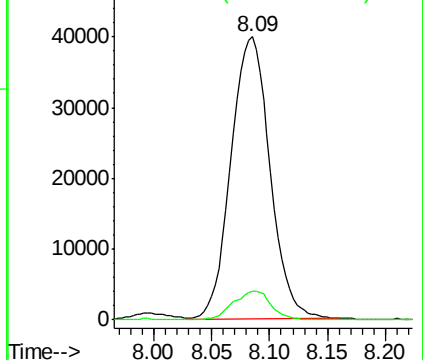


#42
1,2-Dichloroethane
Concen: 18.531 ug/l
RT: 8.09 min Scan# 1963
Delta R.T. -0.00 min
Lab File: VN061502.D
Acq: 20 May 2020 15:53

Tgt Ion	62	Resp	92963
Ion Ratio	Lower	Upper	
62	100		
98	9.9	0.0	18.4



Abundance Ion 61.90 (61.60 to 62.60): VN0
Ion 97.90 (97.60 to 98.60): VN0





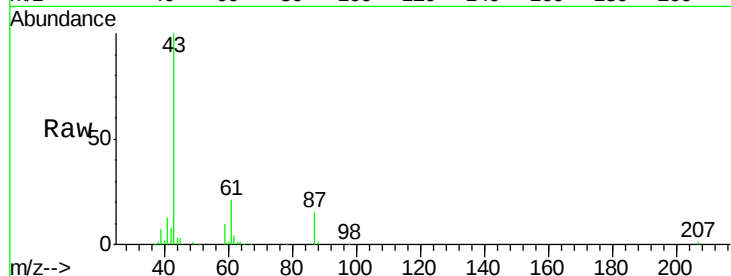
#43
Isopropyl Acetate
Concen: 16.937 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN061502.D
Acq: 20 May 2020 15:53

Instrument :
MSVOA_N
ClientSampleId :
VN0520WBSD01

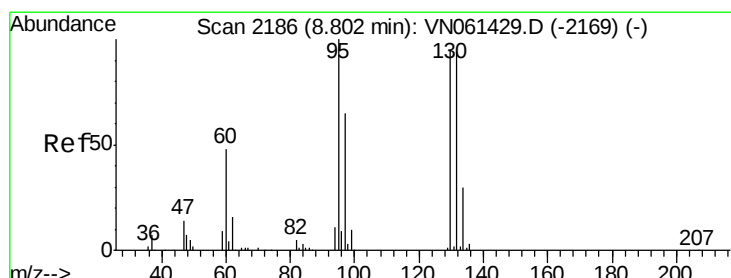
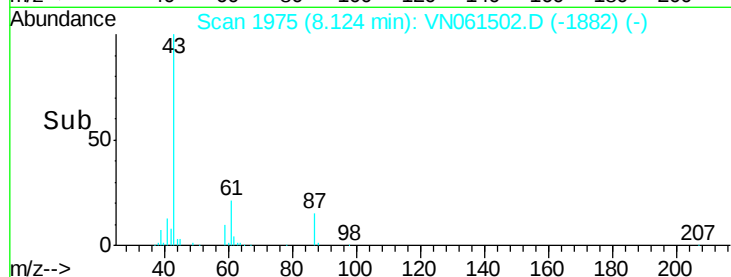
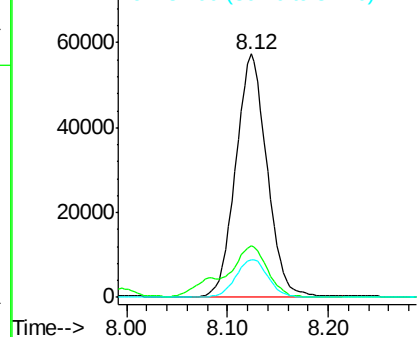
Tot Ion	Ratio	Lower	Upper
43	100		
61	21.3	23.0	34.4#
87	15.9	11.6	17.4

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5/21/2020 1:16:16 PM

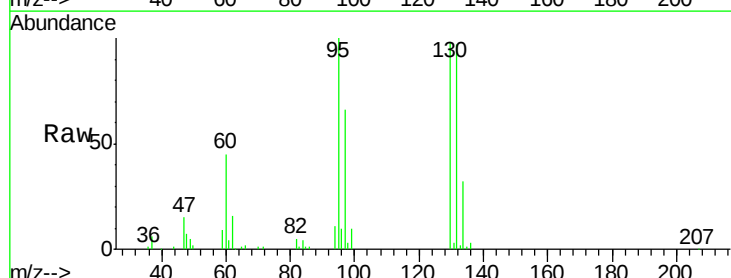


Abundance Ion 43.00 (42.70 to 43.70): VN061429.D (-1956) (-)
Ion 61.00 (60.70 to 61.70): VN061429.D (-1956) (-)
Ion 87.00 (86.70 to 87.70): VN061429.D (-1956) (-)

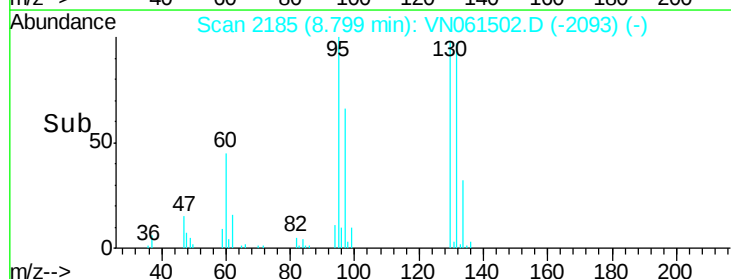
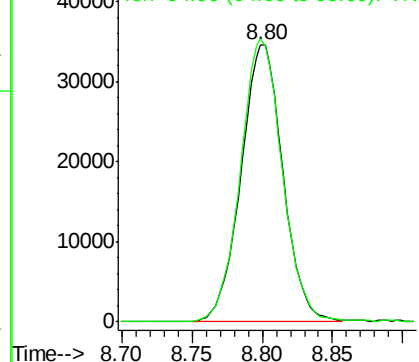


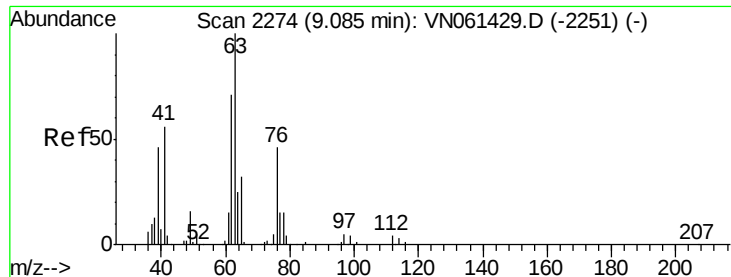
#44
Trichloroethene
Concen: 19.732 ug/l
RT: 8.80 min Scan# 2185
Delta R.T. -0.00 min
Lab File: VN061502.D
Acq: 20 May 2020 15:53

Tgt Ion	Ratio	Lower	Upper
130	100		
95	102.0	0.0	209.8



Abundance Ion 129.80 (129.50 to 130.50): VN061429.D (-2169) (-)
Ion 94.90 (94.60 to 95.60): VN061429.D (-2169) (-)





#45

1,2-Dichloropropane

Concen: 18.511 ug/l

RT: 9.08 min Scan# 2273

Delta R.T. -0.00 min

Lab File: VN061502.D

Acq: 20 May 2020 15:53

Instrument :

MSVOA_N

ClientSampleId :

VN0520WBSD01

Tot Ion: 63 Resp: 64513

Ion Ratio Lower Upper

63 100

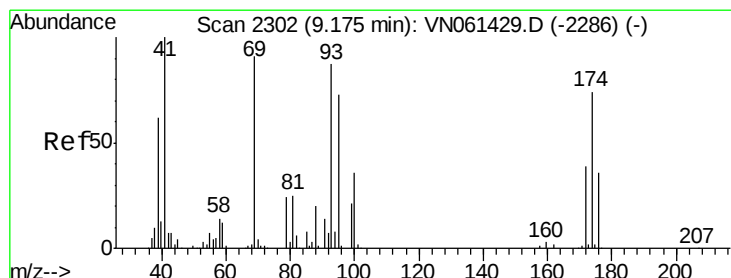
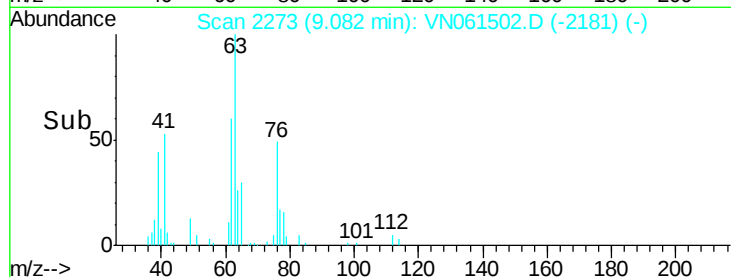
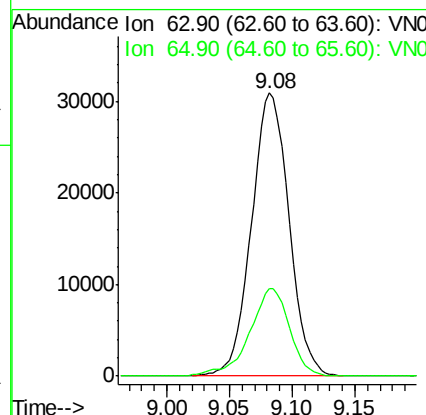
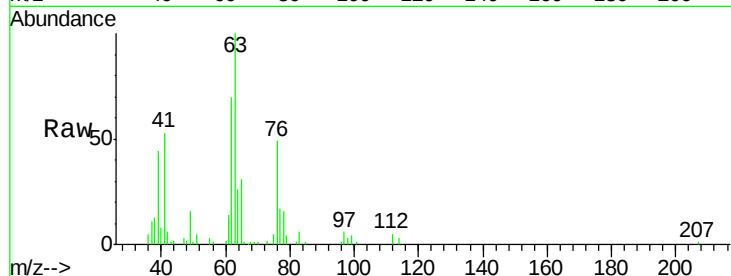
65 30.9 25.2 37.8

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5/21/2020 1:16:16 PM



#46

Dibromomethane

Concen: 19.643 ug/l

RT: 9.17 min Scan# 2301

Delta R.T. -0.00 min

Lab File: VN061502.D

Acq: 20 May 2020 15:53

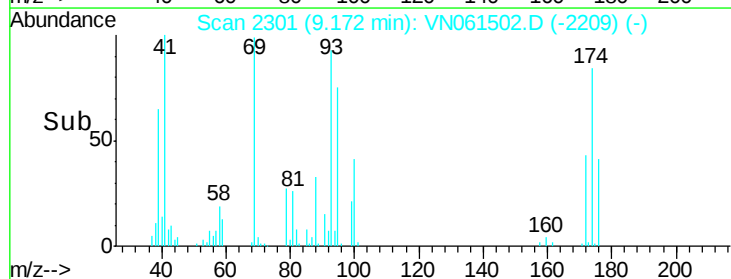
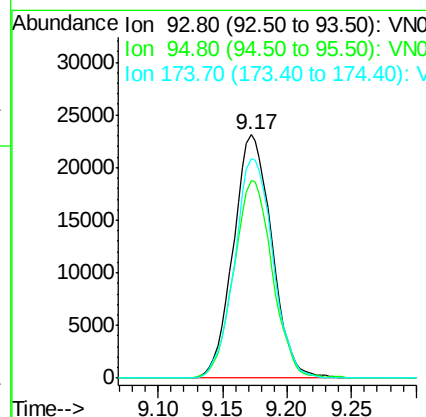
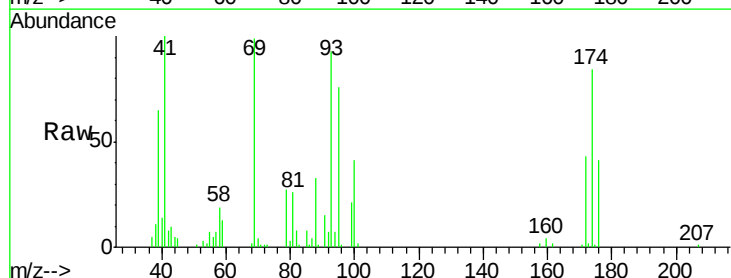
Tgt Ion: 93 Resp: 47991

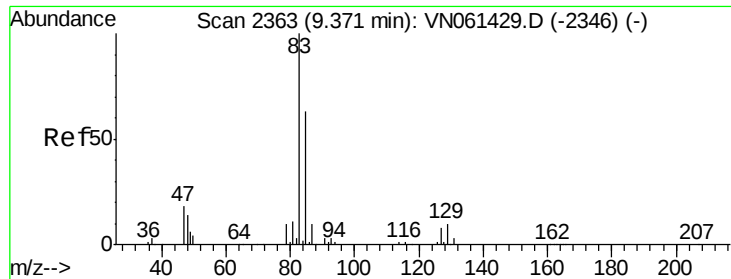
Ion Ratio Lower Upper

93 100

95 81.0 65.6 98.4

174 89.6 68.0 102.0





#47

Bromodichloromethane

Concen: 18.893 ug/l

RT: 9.37 min Scan# 2362

Delta R.T. -0.00 min

Lab File: VN061502.D

Acq: 20 May 2020 15:53

Instrument :

MSVOA_N

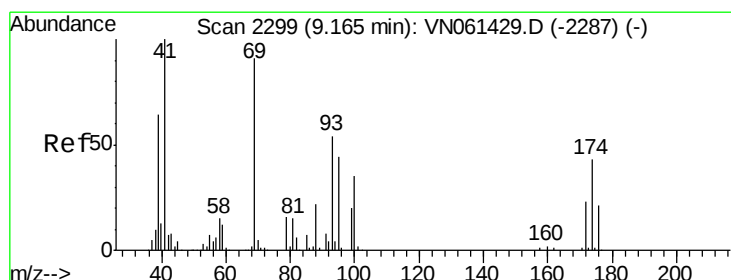
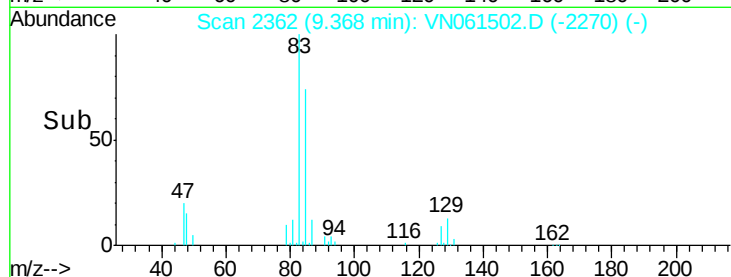
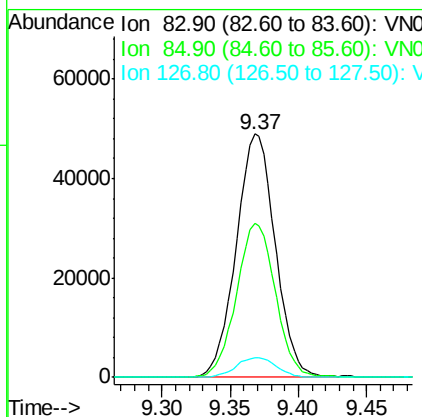
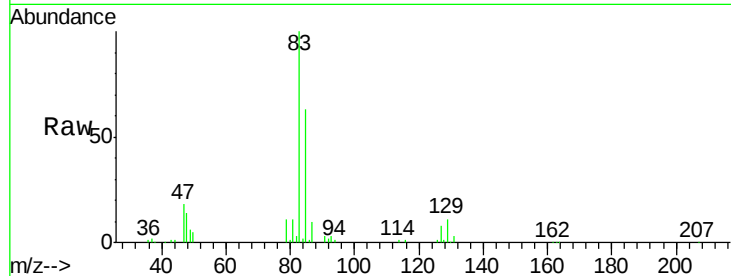
ClientSampleId :

VN0520WBSD01

Tot Ion:	83	Resp:	97254
Ion Ratio	Lower	Upper	
83	100		
85	63.4	50.6	76.0
127	7.8	6.1	9.1

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5/21/2020 1:16:16 PM



#48

Methyl methacrylate

Concen: 15.920 ug/l

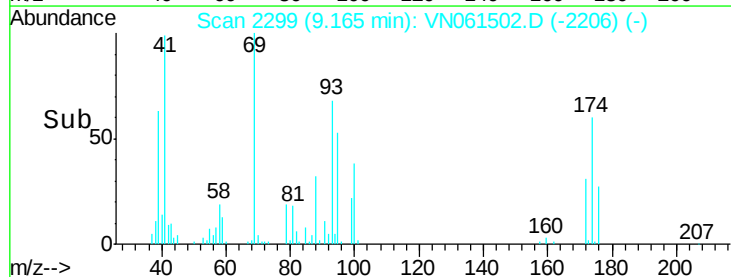
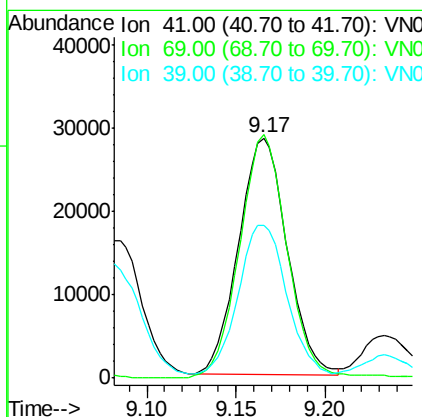
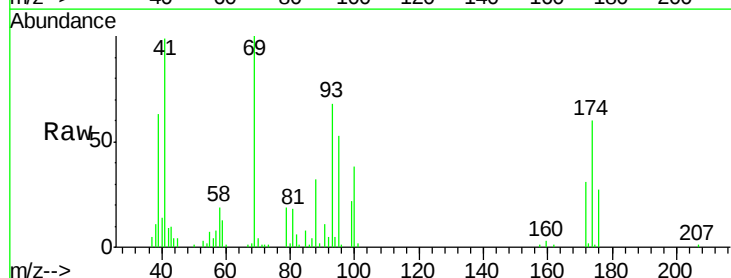
RT: 9.17 min Scan# 2299

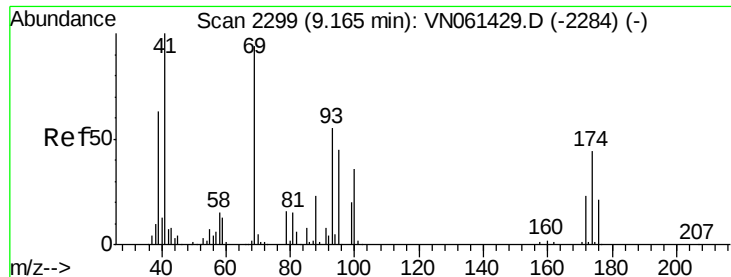
Delta R.T. -0.00 min

Lab File: VN061502.D

Acq: 20 May 2020 15:53

Tgt Ion:	41	Resp:	53746
Ion Ratio	Lower	Upper	
41	100		
69	101.4	75.3	112.9
39	65.4	52.6	79.0





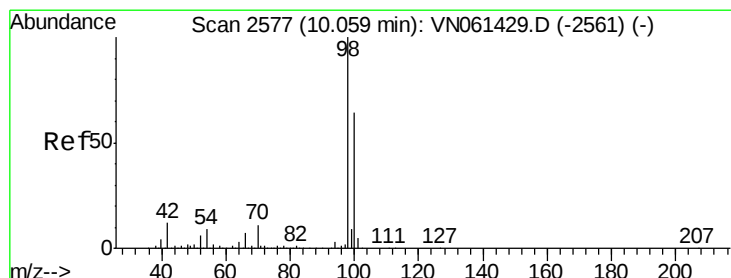
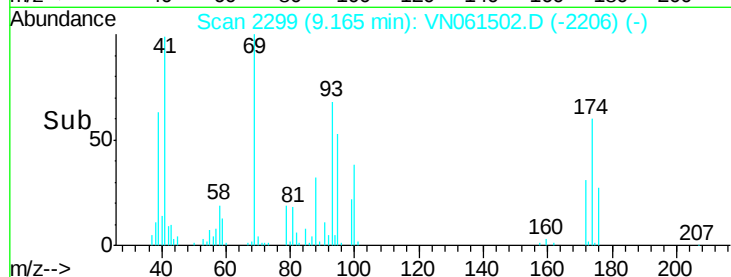
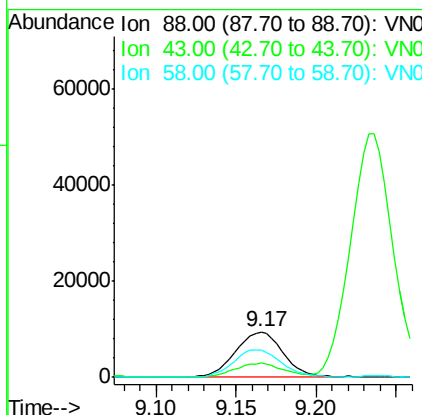
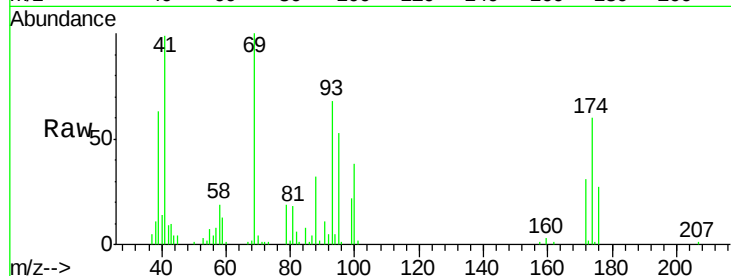
#49
1,4-Dioxane
Concen: 527.010 ug/l
RT: 9.17 min Scan# 2299
Delta R.T. 0.00 min
Lab File: VN061502.D
Acq: 20 May 2020 15:53

Instrument :
MSVOA_N
ClientSampleId :
VN0520WBSD01

Tot Ion	88	Resp	19347
Ion	Ratio	Lower	Upper
88	100		
43	31.7	26.3	39.5
58	61.0	54.1	81.1

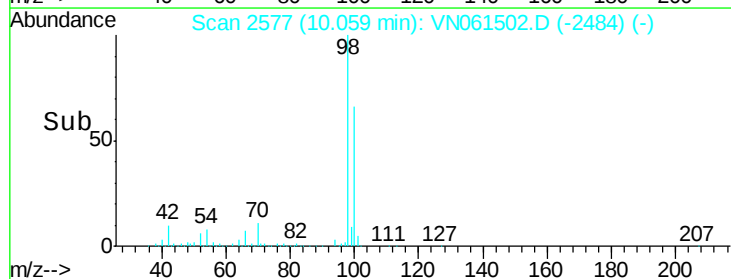
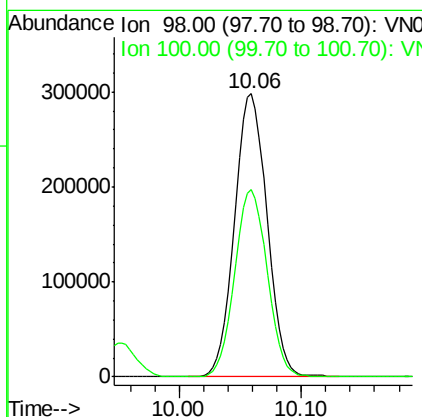
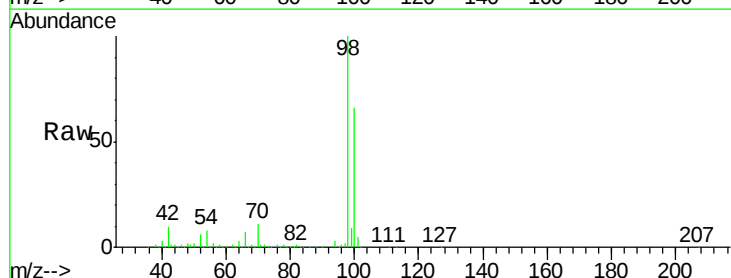
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5/21/2020 1:16:16 PM



#50
Toluene-d8
Concen: 45.918 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. -0.00 min
Lab File: VN061502.D
Acq: 20 May 2020 15:53

Tgt Ion	98	Resp	551315
Ion	Ratio	Lower	Upper
98	100		
100	65.9	51.8	77.8





#51

4-Methyl-2-Pentanone

Concen: 85.772 ug/l

RT: 9.95 min Scan# 2543

Delta R.T. -0.00 min

Lab File: VN061502.D

Acq: 20 May 2020 15:53

Instrument :

MSVOA_N

ClientSampleId :

VN0520WBSD01

Tot Ion: 43 Resp: 341470

Ion Ratio Lower Upper

43 100

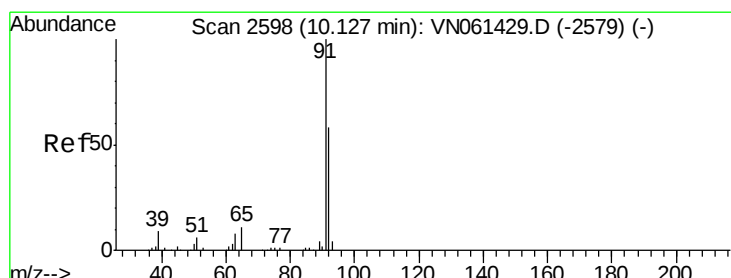
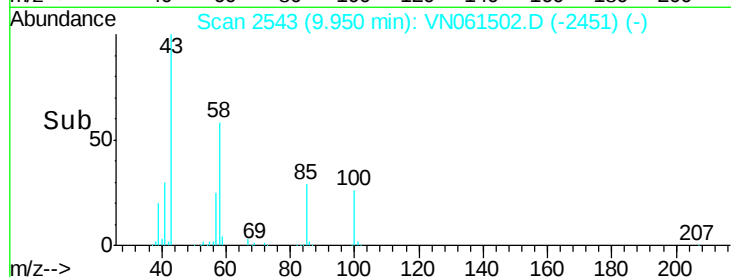
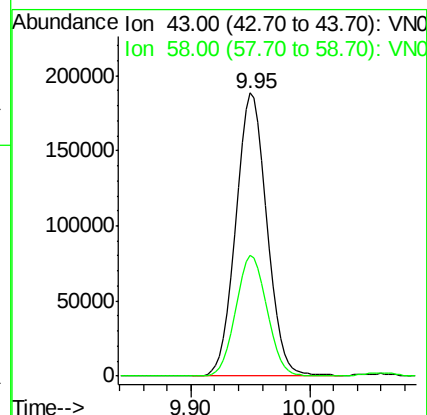
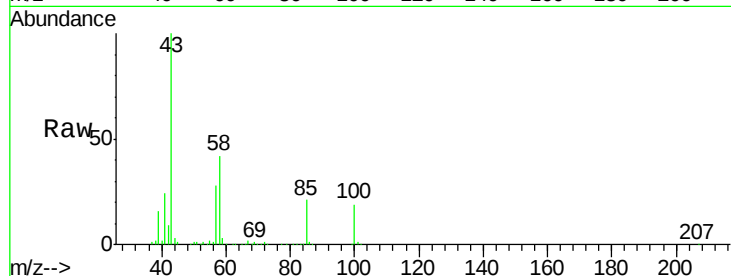
58 42.8 33.4 50.2

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5/21/2020 1:16:16 PM



#52

Toluene

Concen: 19.108 ug/l

RT: 10.12 min Scan# 2597

Delta R.T. -0.00 min

Lab File: VN061502.D

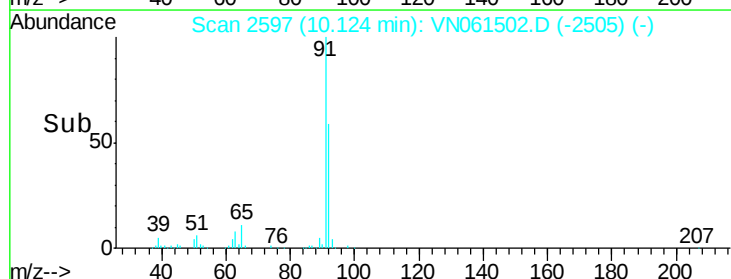
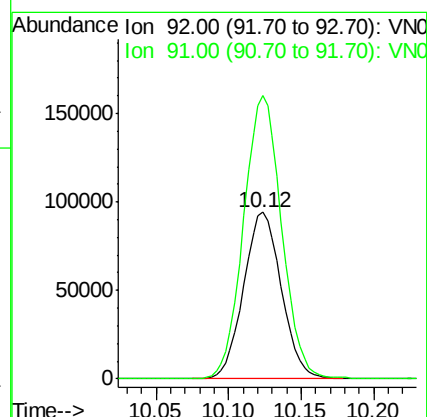
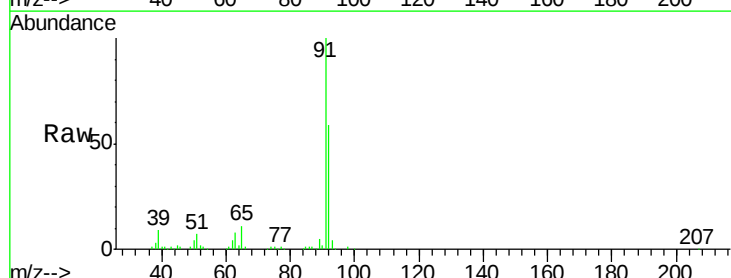
Acq: 20 May 2020 15:53

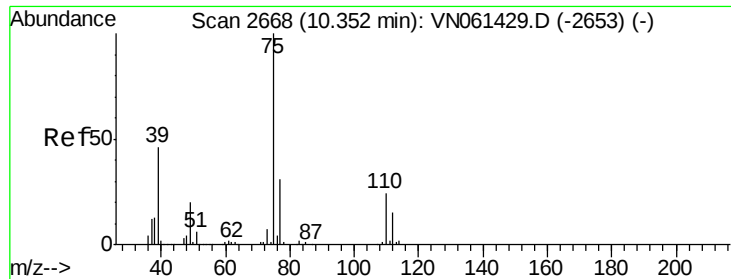
Tgt Ion: 92 Resp: 170809

Ion Ratio Lower Upper

92 100

91 170.9 138.0 207.0





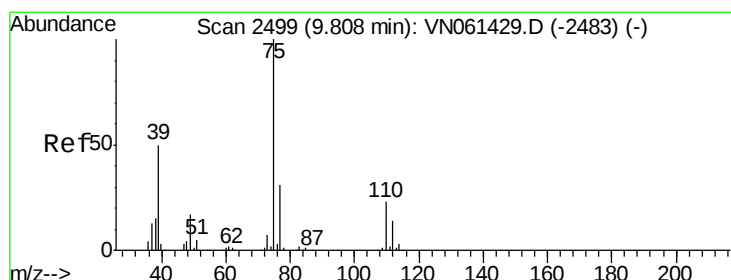
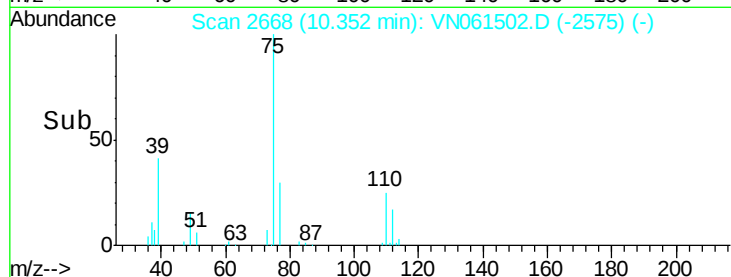
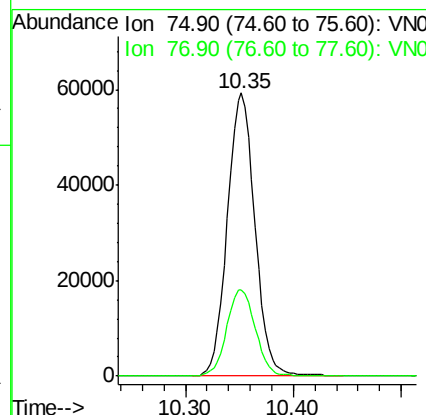
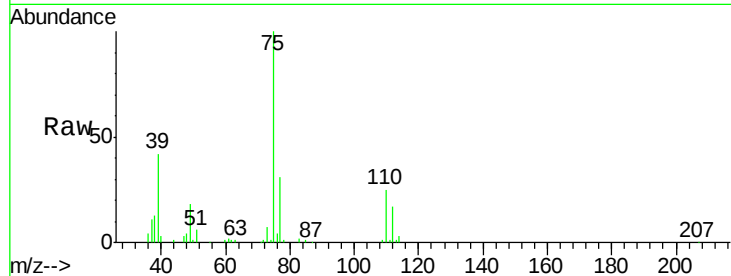
#53
t-1,3-Dichloropropene
Concen: 18.707 ug/l
RT: 10.35 min Scan# 2668
Delta R.T. -0.00 min
Lab File: VN061502.D
Acq: 20 May 2020 15:53

Instrument :
MSVOA_N
ClientSampleId :
VN0520WBSD01

Tot Ion: 75 Resp: 105546
Ion Ratio Lower Upper
75 100
77 30.7 24.8 37.2

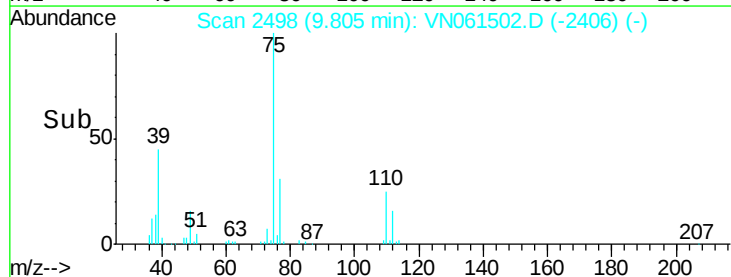
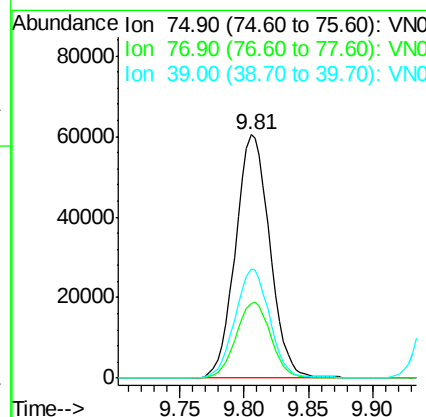
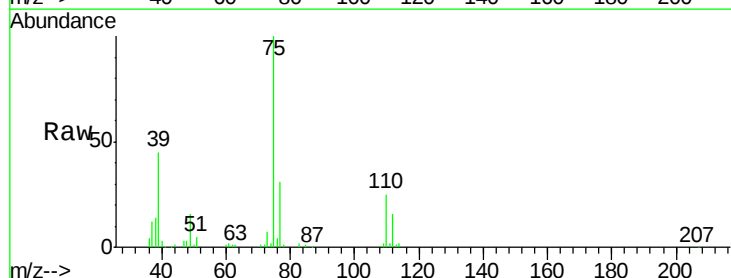
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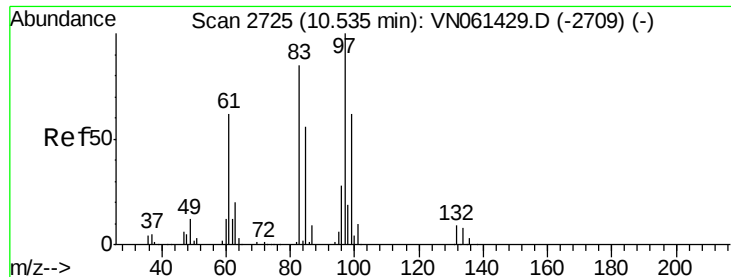
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5/21/2020 1:16:16 PM



#54
cis-1,3-Dichloropropene
Concen: 18.640 ug/l
RT: 9.81 min Scan# 2498
Delta R.T. -0.00 min
Lab File: VN061502.D
Acq: 20 May 2020 15:53

Tgt Ion: 75 Resp: 111799
Ion Ratio Lower Upper
75 100
77 30.8 24.8 37.2
39 44.7 39.8 59.6





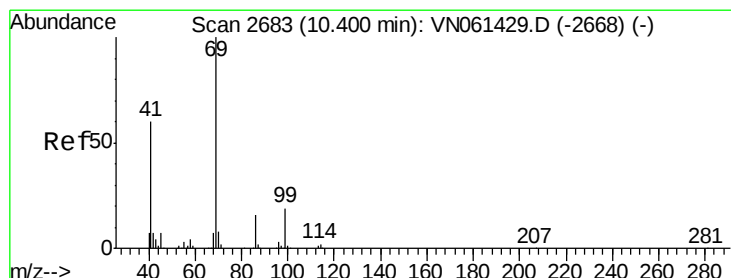
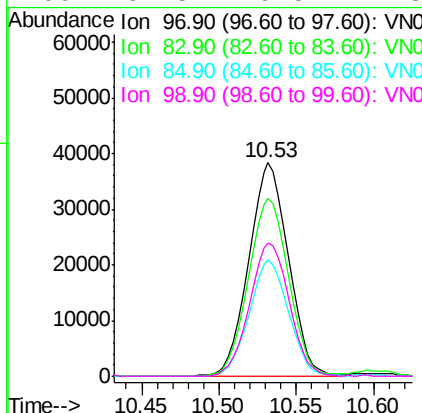
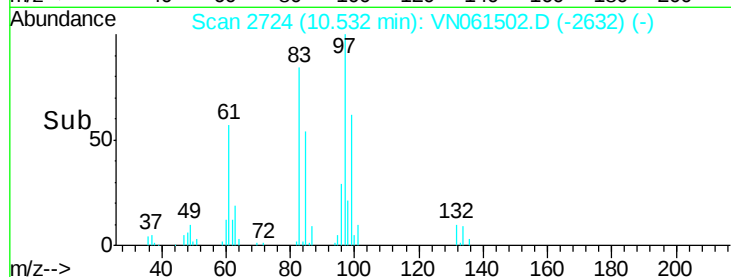
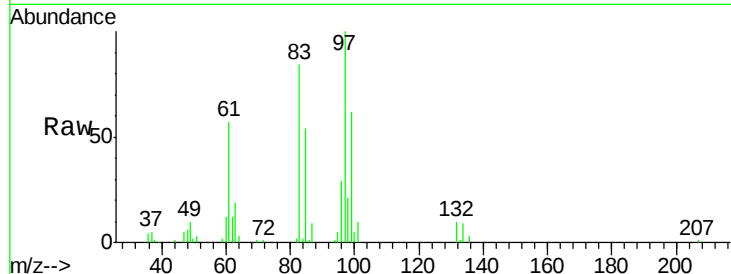
#55
 1,1,2-Trichloroethane
 Concen: 20.208 ug/l
 RT: 10.53 min Scan# 2724
 Delta R.T. -0.00 min
 Lab File: VN061502.D
 Acq: 20 May 2020 15:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0520WBSD01

Tot Ion:	97	Resp:	68295
Ion	Ratio	Lower	Upper
97	100		
83	83.6	68.2	102.4
85	54.3	44.6	67.0
99	62.5	49.5	74.3

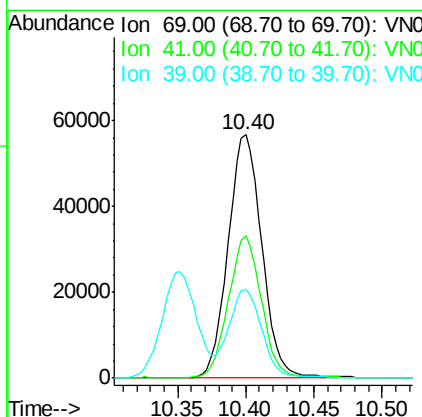
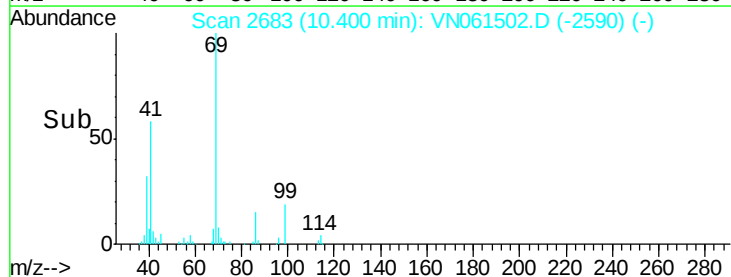
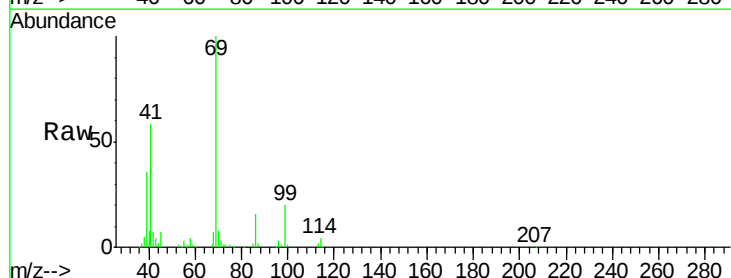
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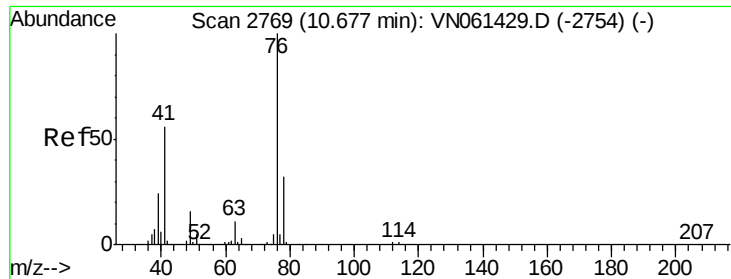
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#56
 Ethyl methacrylate
 Concen: 18.462 ug/l
 RT: 10.40 min Scan# 2683
 Delta R.T. -0.00 min
 Lab File: VN061502.D
 Acq: 20 May 2020 15:53

Tgt Ion:	69	Resp:	97545
Ion	Ratio	Lower	Upper
69	100		
41	57.5	48.3	72.5
39	34.4	30.2	45.2





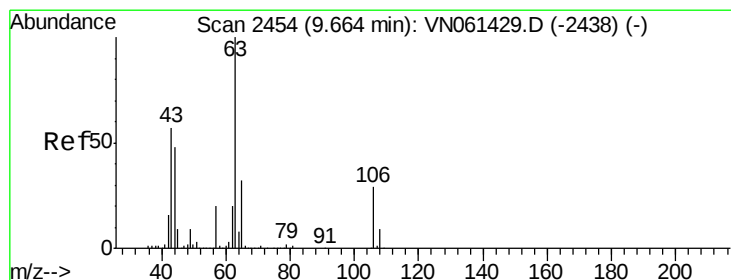
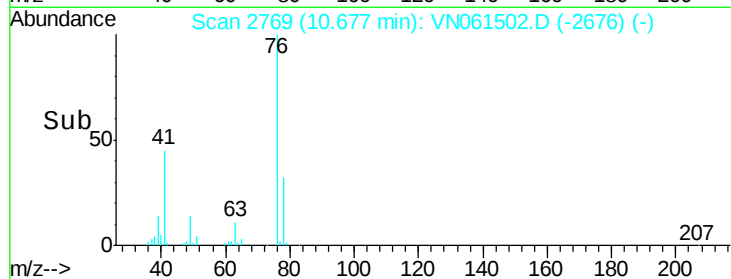
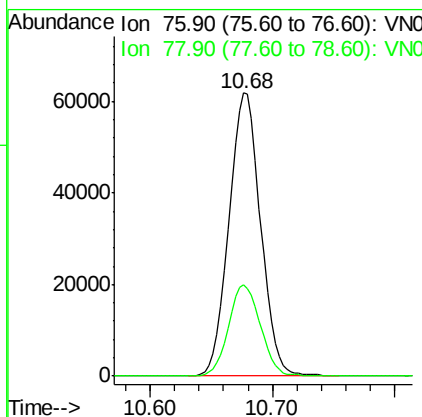
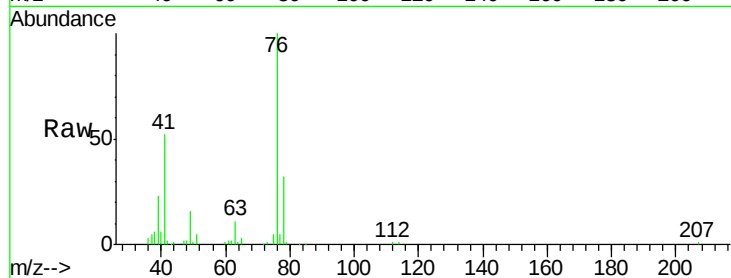
#57
 1,3-Dichloropropane
 Concen: 19.124 ug/l
 RT: 10.68 min Scan# 2769
 Delta R.T. -0.00 min
 Lab File: VN061502.D
 Acq: 20 May 2020 15:53

Instrument :
 MSVOA_N
 ClientSampled :
 VN0520WBSD01

Tot Ion: 76 Resp: 111700
 Ion Ratio Lower Upper
 76 100
 78 32.5 26.0 39.0

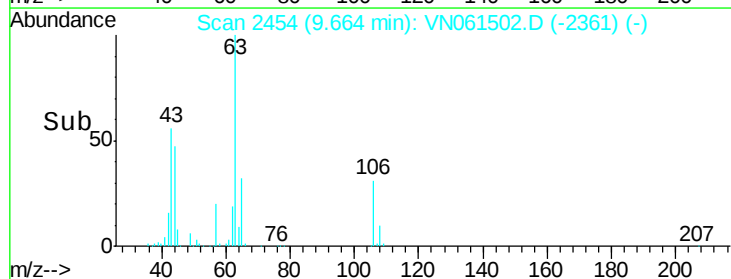
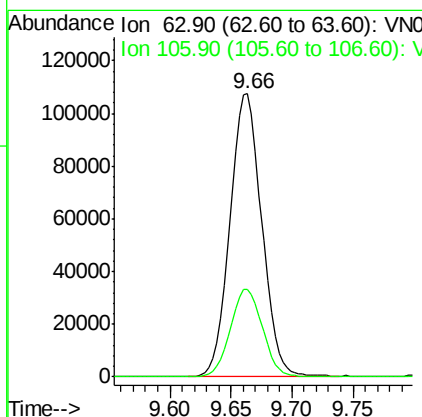
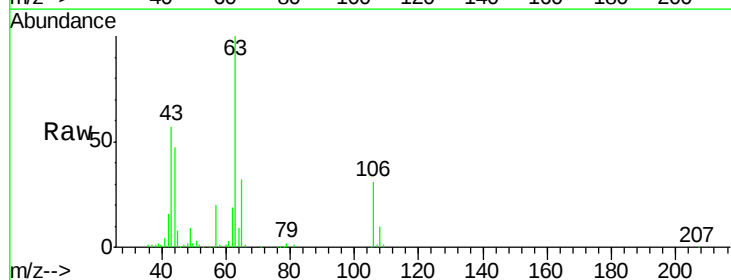
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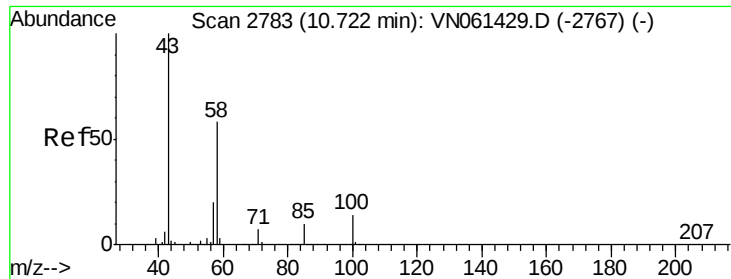
MMDadoda
 5/21/2020 1:16:16 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 84.349 ug/l
 RT: 9.66 min Scan# 2454
 Delta R.T. -0.00 min
 Lab File: VN061502.D
 Acq: 20 May 2020 15:53

Tgt Ion: 63 Resp: 195623
 Ion Ratio Lower Upper
 63 100
 106 31.3 22.7 34.1





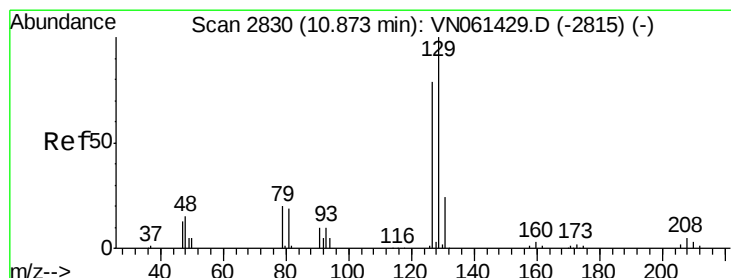
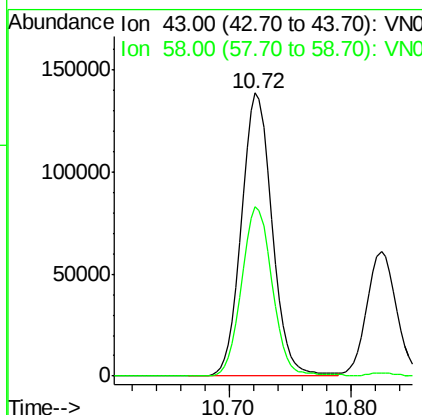
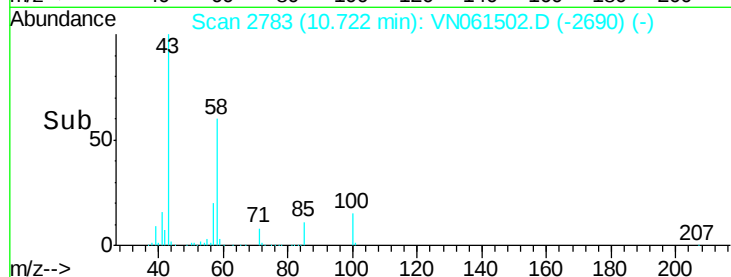
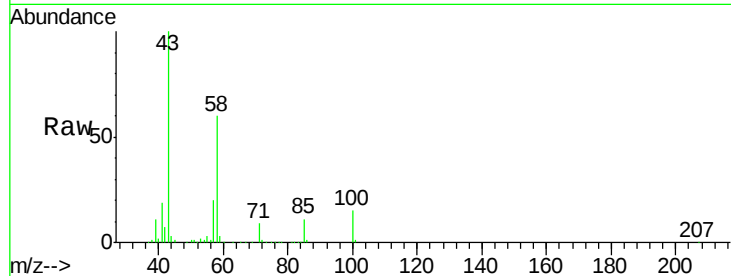
#59
2-Hexanone
Concen: 83.368 ug/l
RT: 10.72 min Scan# 2783
Delta R.T. -0.00 min
Lab File: VN061502.D
Acq: 20 May 2020 15:53

Instrument :
MSVOA_N
ClientSampleId :
VN0520WBSD01

Tot Ion: 43 Resp: 240125
Ion Ratio Lower Upper
43 100
58 60.0 29.2 87.6

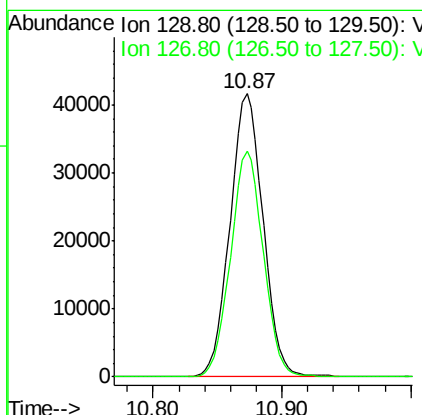
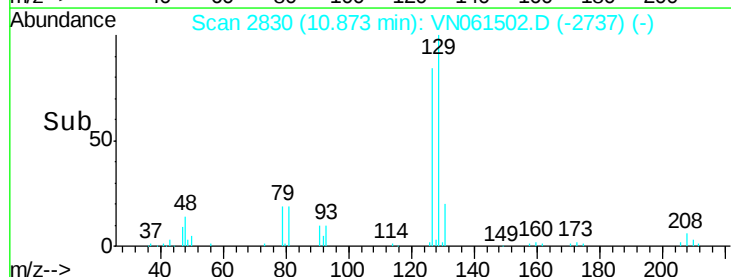
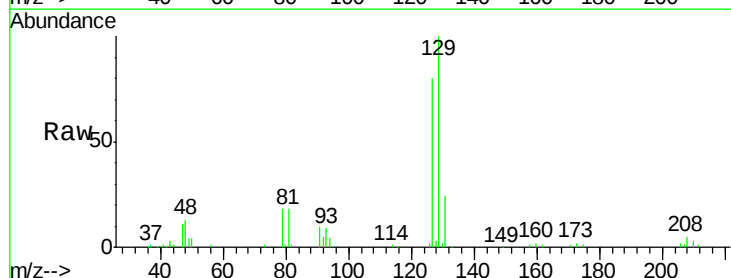
Manual Integrations
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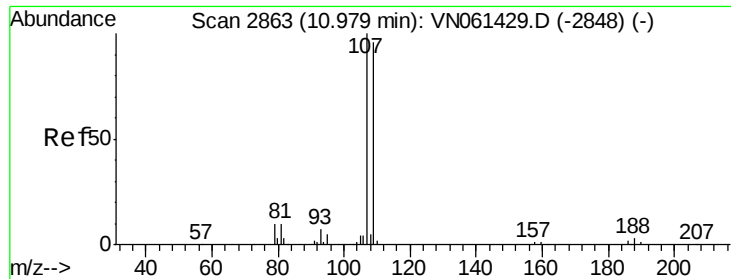
MMDadoda
5/21/2020 1:16:16 PM



#60
Dibromochloromethane
Concen: 19.837 ug/l
RT: 10.87 min Scan# 2830
Delta R.T. -0.00 min
Lab File: VN061502.D
Acq: 20 May 2020 15:53

Tgt Ion: 129 Resp: 74159
Ion Ratio Lower Upper
129 100
127 78.7 38.8 116.3





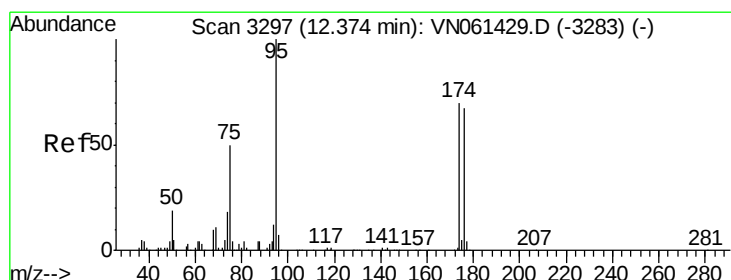
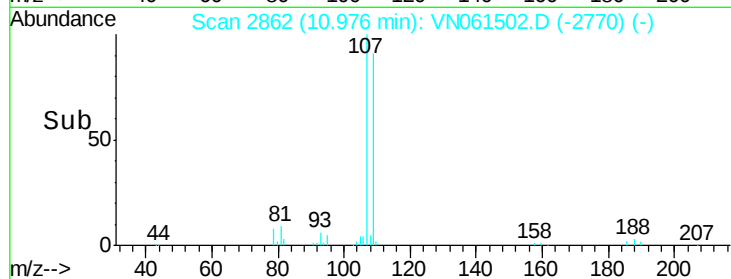
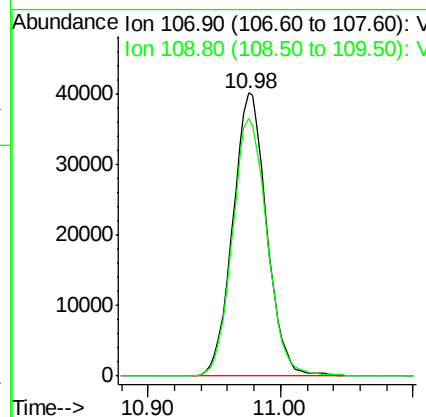
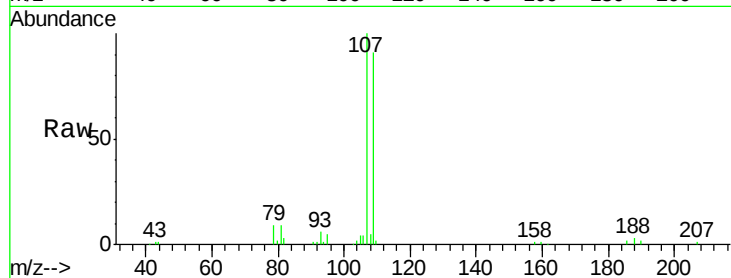
#61
 1,2-Dibromoethane
 Concen: 19.982 ug/l
 RT: 10.98 min Scan# 2862
 Delta R.T. -0.00 min
 Lab File: VN061502.D
 Acq: 20 May 2020 15:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0520WBSD01

Tot Ion: 107 Resp: 71007
 Ion Ratio Lower Upper
 107 100
 109 93.6 75.7 113.5

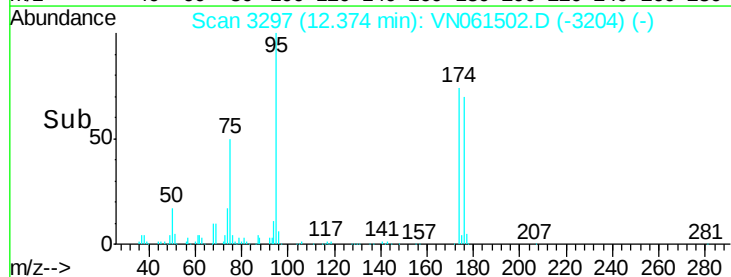
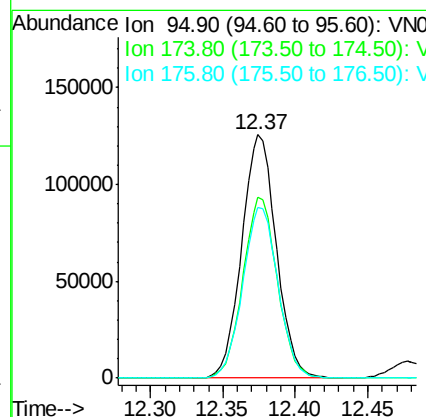
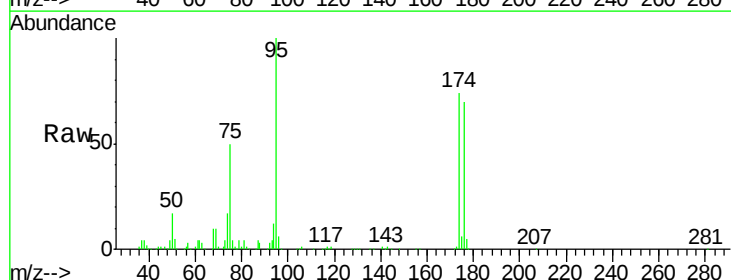
Manual Integrations
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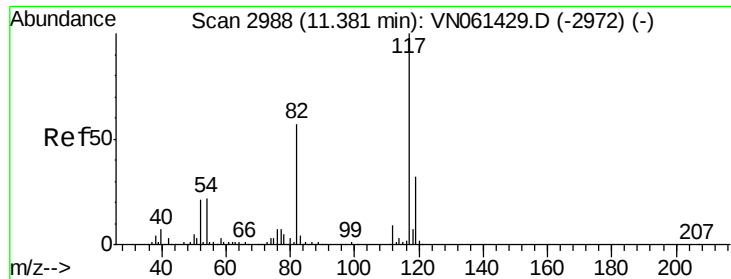
MMDadoda
 5/21/2020 1:16:16 PM



#62
 4-Bromofluorobenzene
 Concen: 46.360 ug/l
 RT: 12.37 min Scan# 3297
 Delta R.T. -0.00 min
 Lab File: VN061502.D
 Acq: 20 May 2020 15:53

Tgt Ion: 95 Resp: 207959
 Ion Ratio Lower Upper
 95 100
 174 73.9 0.0 141.2
 176 71.8 0.0 137.6





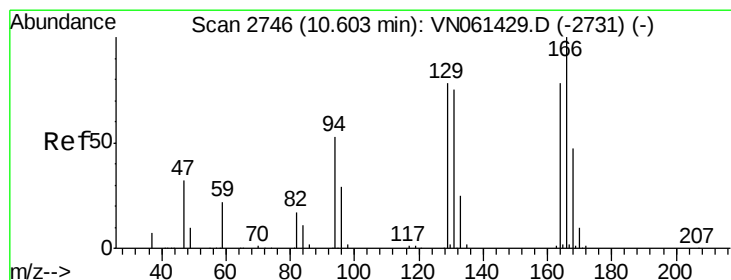
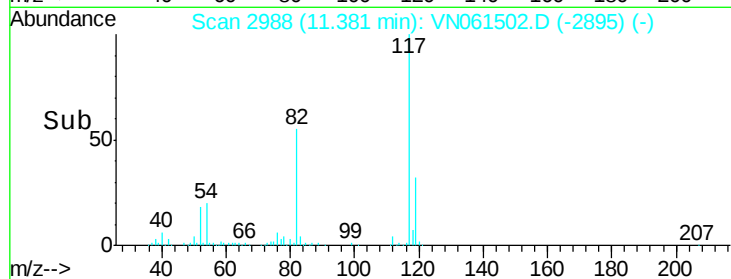
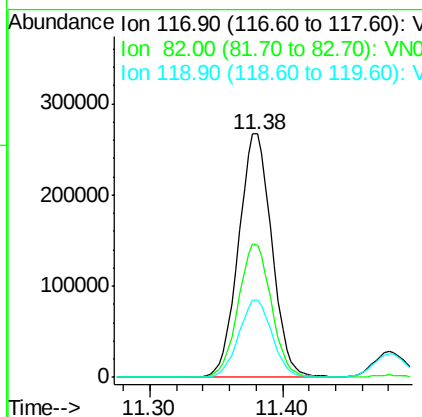
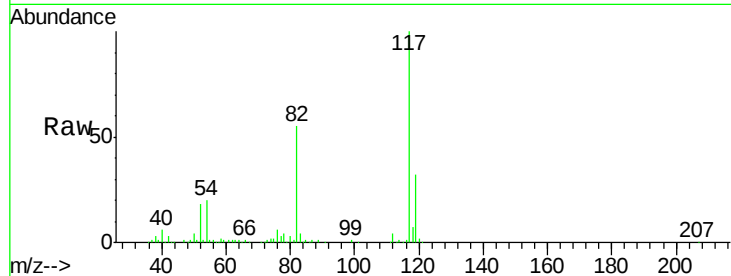
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. -0.00 min
Lab File: VN061502.D
Acq: 20 May 2020 15:53

Instrument :
MSVOA_N
ClientSampled :
VN0520WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.5	45.2	67.8
119	31.9	25.3	37.9

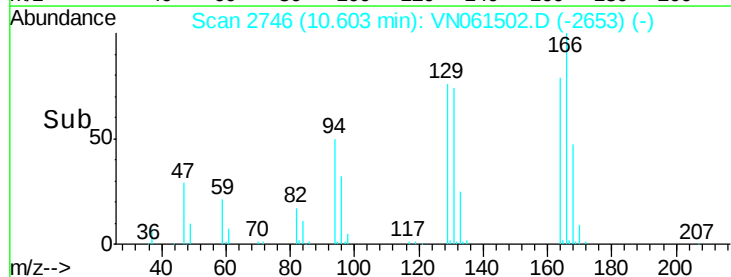
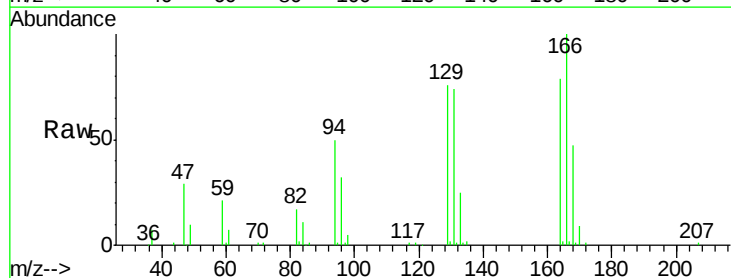
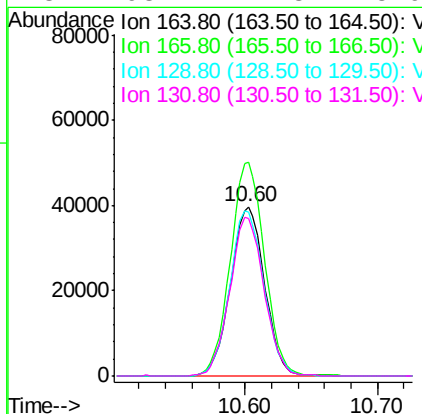
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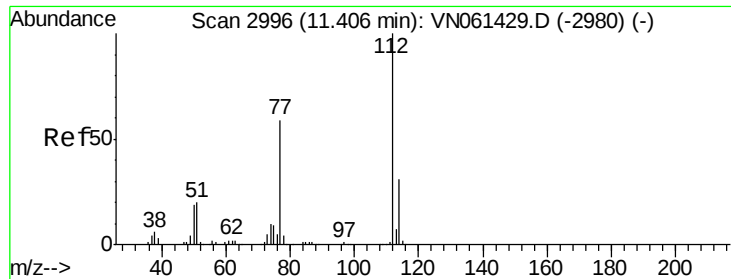
MMDadoda
5/21/2020 1:16:16 PM



#64
Tetrachloroethene
Concen: 19.653 ug/l
RT: 10.60 min Scan# 2746
Delta R.T. -0.00 min
Lab File: VN061502.D
Acq: 20 May 2020 15:53

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.2	103.2	154.8
129	96.5	81.0	121.4
131	93.2	77.3	115.9





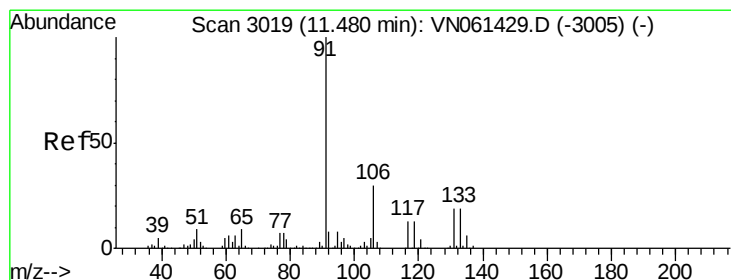
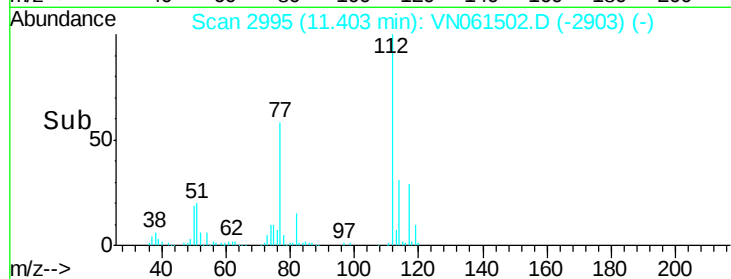
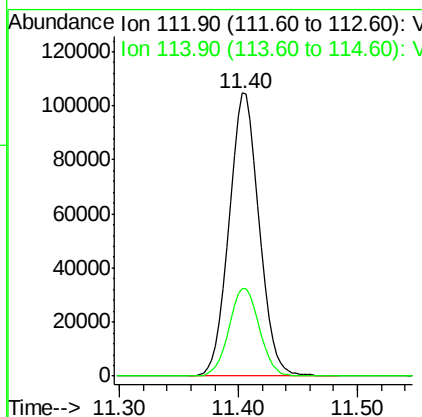
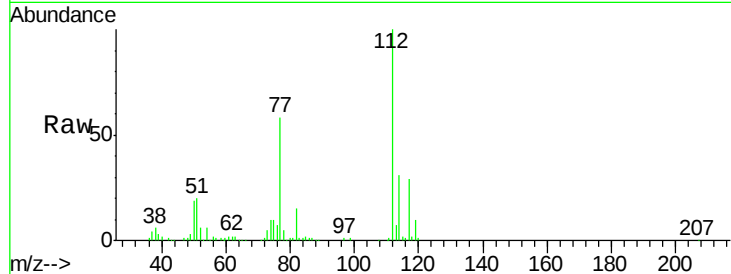
#65
Chlorobenzene
Concen: 19.330 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. -0.00 min
Lab File: VN061502.D
Acq: 20 May 2020 15:53

Instrument :
MSVOA_N
ClientSampleId :
VN0520WBSD01

Tot Ion:112 Resp: 183348
Ion Ratio Lower Upper
112 100
114 31.1 25.0 37.6

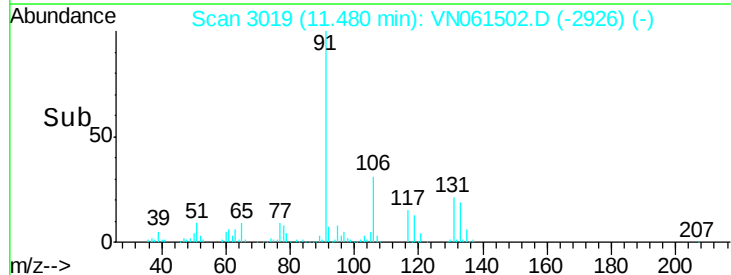
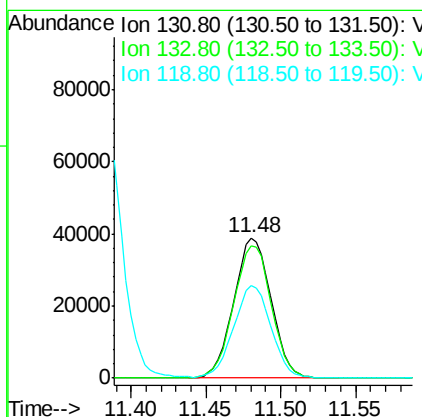
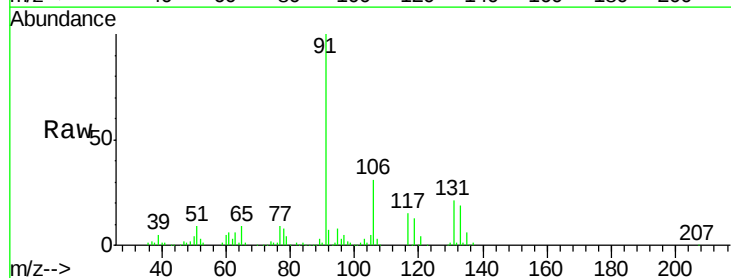
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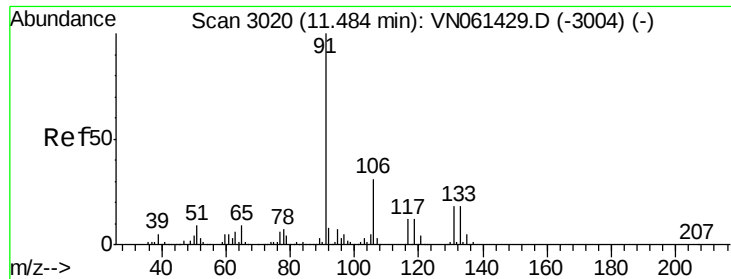
MMDadoda
5/21/2020 1:16:16 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 19.874 ug/l
RT: 11.48 min Scan# 3019
Delta R.T. -0.00 min
Lab File: VN061502.D
Acq: 20 May 2020 15:53

Tgt Ion:131 Resp: 67580
Ion Ratio Lower Upper
131 100
133 95.7 48.7 146.1
119 66.2 33.8 101.3





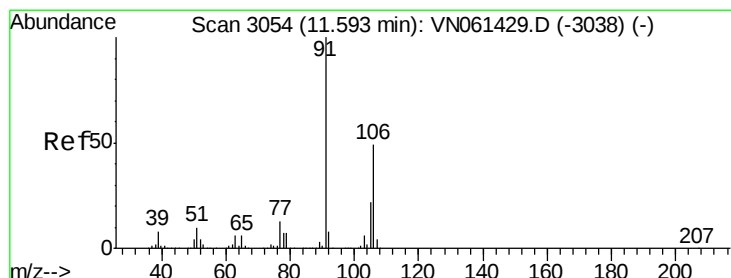
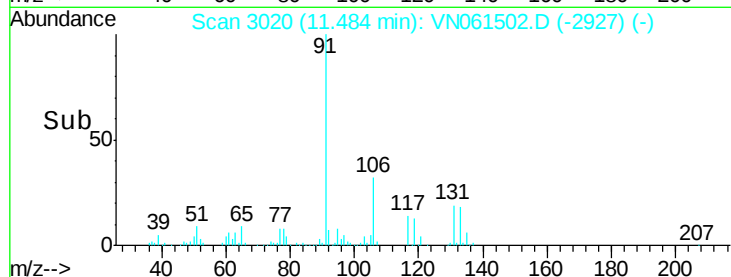
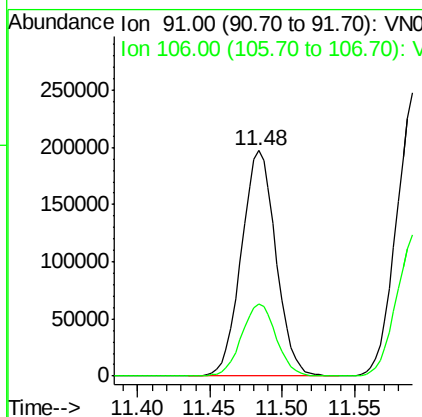
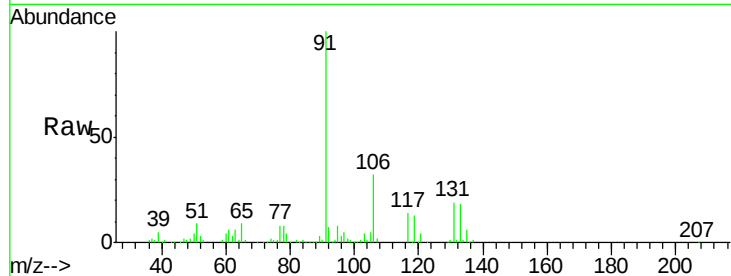
#67
Ethyl Benzene
Concen: 18.872 ug/l
RT: 11.48 min Scan# 3020
Delta R.T. -0.00 min
Lab File: VN061502.D
Acq: 20 May 2020 15:53

Instrument :
MSVOA_N
ClientSampled :
VN0520WBSD01

Tot Ion: 91 Resp: 326753
Ion Ratio Lower Upper
91 100
106 31.8 24.6 36.8

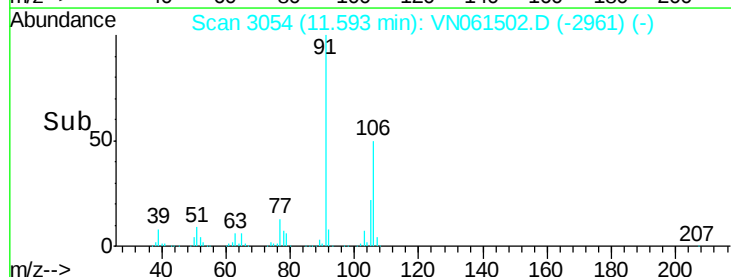
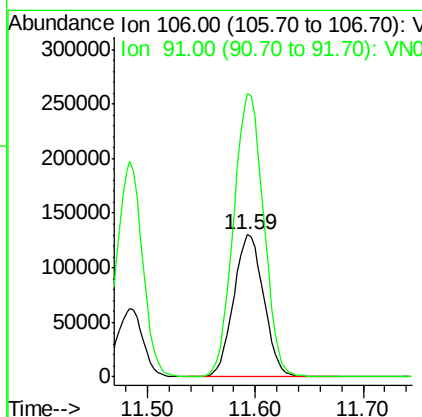
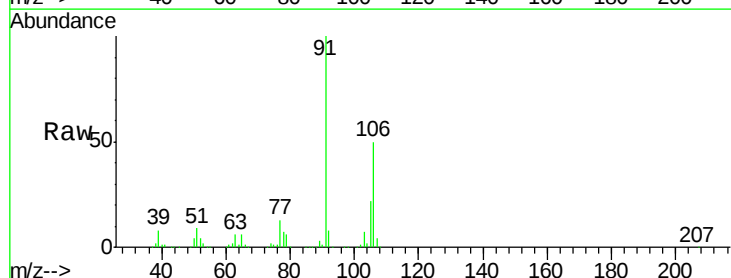
Manual Integrations
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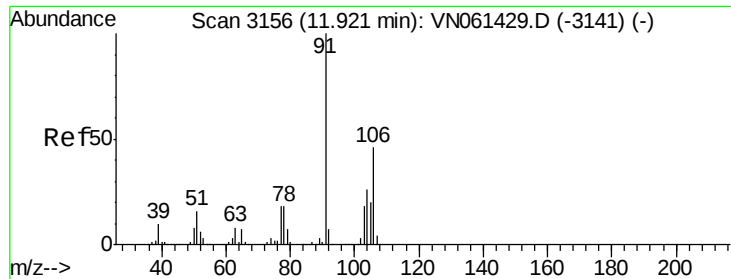
MMDadoda
5/21/2020 1:16:16 PM



#68
m/p-Xylenes
Concen: 38.674 ug/l
RT: 11.59 min Scan# 3054
Delta R.T. -0.00 min
Lab File: VN061502.D
Acq: 20 May 2020 15:53

Tgt Ion: 106 Resp: 254169
Ion Ratio Lower Upper
106 100
91 198.5 163.0 244.6





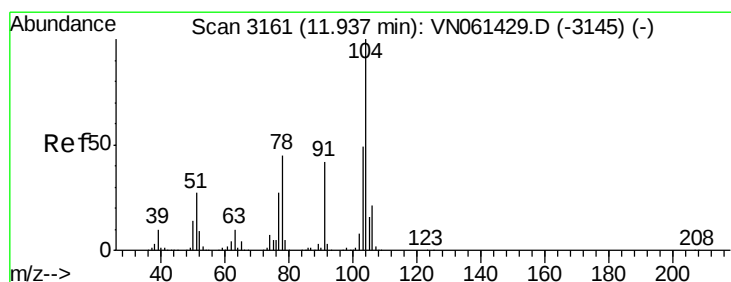
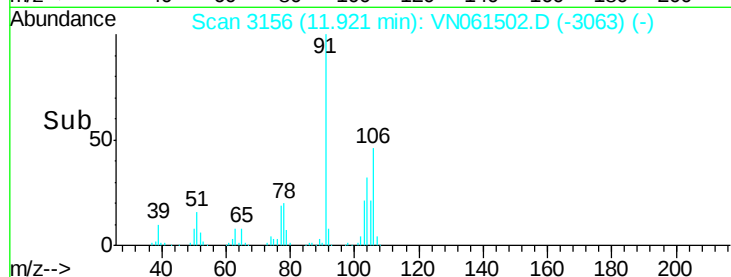
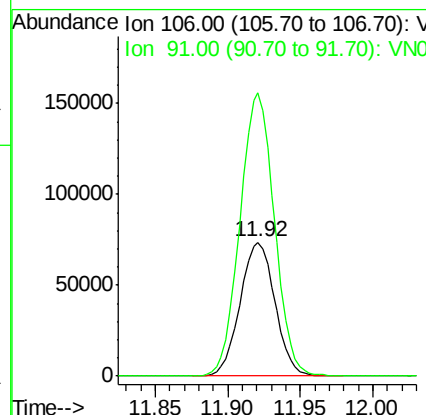
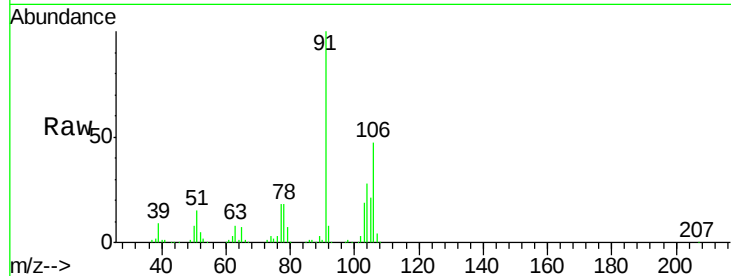
#69
o-Xylene
Concen: 19.368 ug/l
RT: 11.92 min Scan# 3156
Delta R.T. -0.00 min
Lab File: VN061502.D
Acq: 20 May 2020 15:53

Instrument :
MSVOA_N
ClientSampleId :
VN0520WBSD01

Tot Ion	Ratio	Lower	Upper
106	100		
91	208.9	107.9	323.7

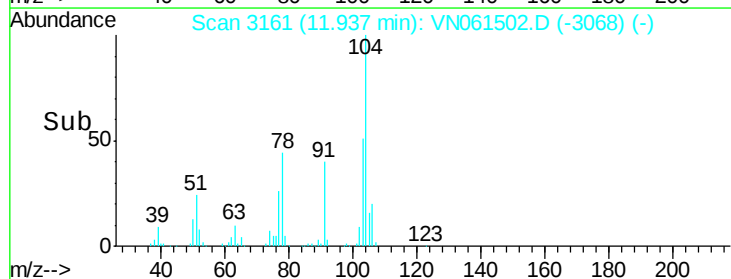
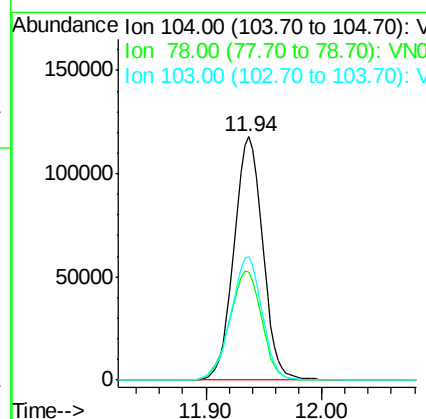
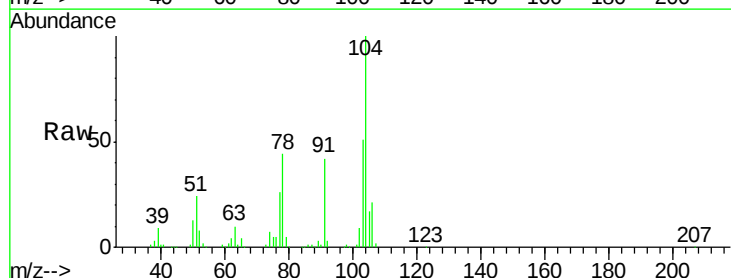
Manual Integrations
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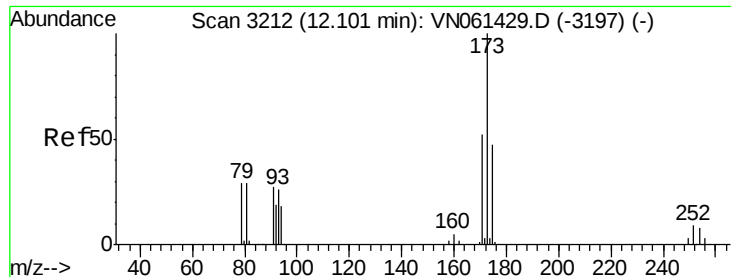
MMDadoda
5/21/2020 1:16:16 PM



#70
Styrene
Concen: 19.188 ug/l
RT: 11.94 min Scan# 3161
Delta R.T. -0.00 min
Lab File: VN061502.D
Acq: 20 May 2020 15:53

Tgt Ion	Ratio	Lower	Upper
104	100		
78	50.1	40.7	61.1
103	54.6	43.0	64.4





#71

Bromoform

Concen: 18.960 ug/l

RT: 12.10 min Scan# 3211

Delta R.T. -0.00 min

Lab File: VN061502.D

Acq: 20 May 2020 15:53

Instrument :

MSVOA_N

ClientSampleId :

VN0520WBSD01

Tot Ion:173 Resp: 46680

Ion Ratio Lower Upper

173 100

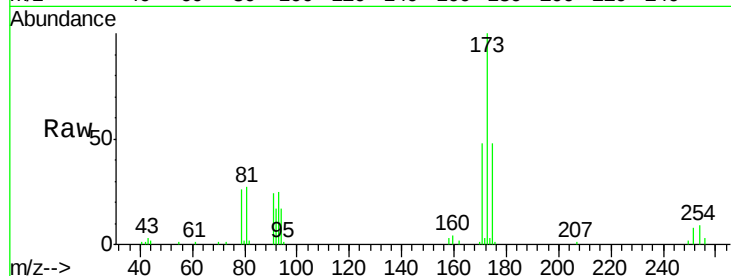
175 49.7 23.9 71.8

254 0.0 0.0 0.0

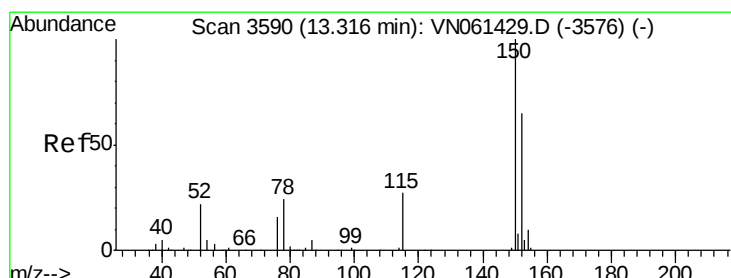
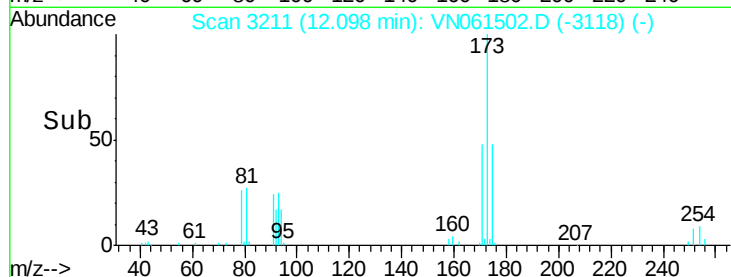
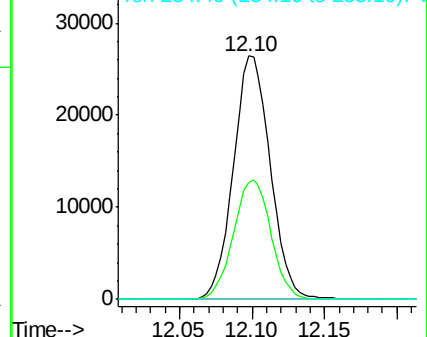
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3590

Delta R.T. -0.00 min

Lab File: VN061502.D

Acq: 20 May 2020 15:53

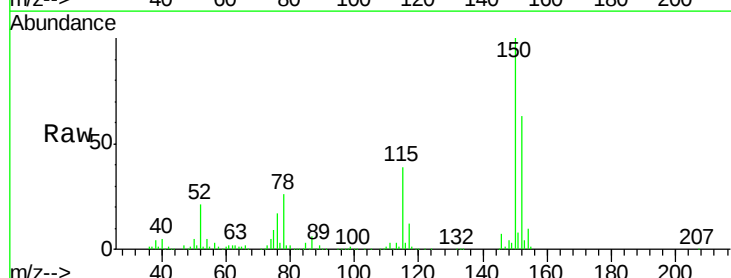
Tgt Ion:152 Resp: 215406

Ion Ratio Lower Upper

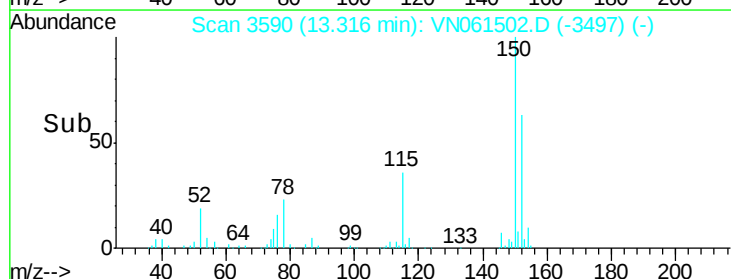
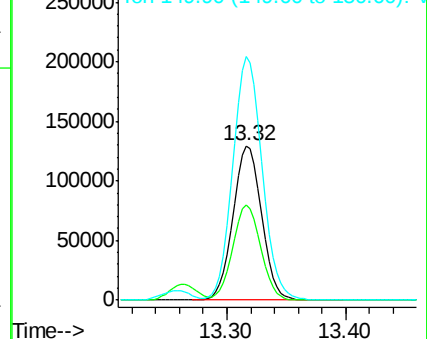
152 100

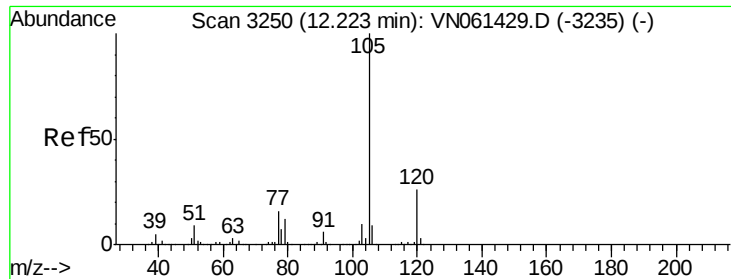
115 60.5 30.9 92.5

150 161.8 0.0 349.2



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 18.478 ug/l

RT: 12.22 min Scan# 3250

Delta R.T. -0.00 min

Lab File: VN061502.D

Acq: 20 May 2020 15:53

Instrument :

MSVOA_N

ClientSampleId :

VN0520WBSD01

Tot Ion:105 Resp: 319525

Ion Ratio Lower Upper

105 100

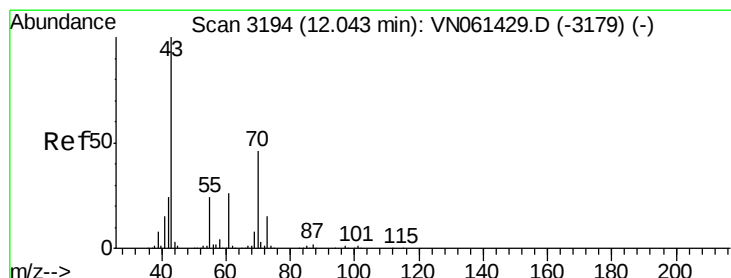
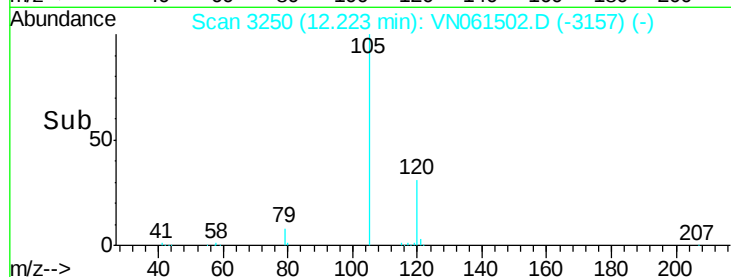
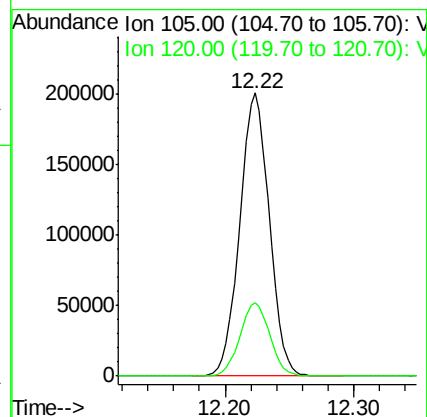
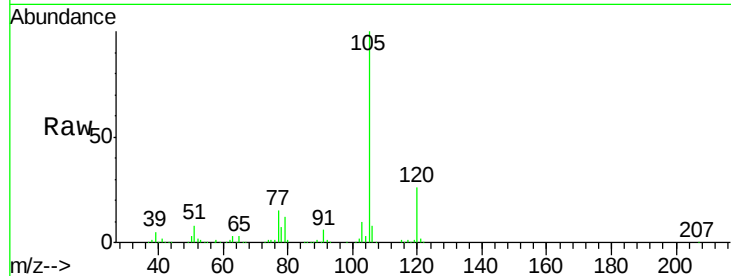
120 26.2 13.0 39.0

Manual Integrations

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5/21/2020 1:16:16 PM



#74

N-ethyl acetate

Concen: 16.365 ug/l

RT: 12.04 min Scan# 3194

Delta R.T. -0.00 min

Lab File: VN061502.D

Acq: 20 May 2020 15:53

Tgt Ion: 43 Resp: 103584

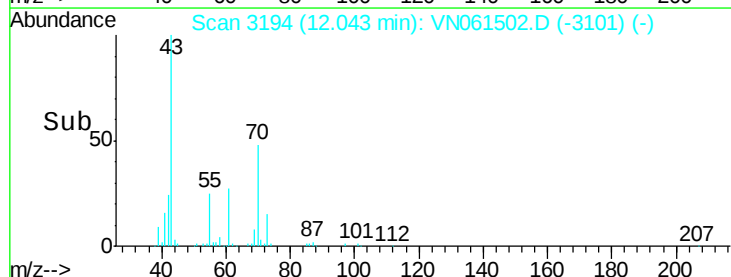
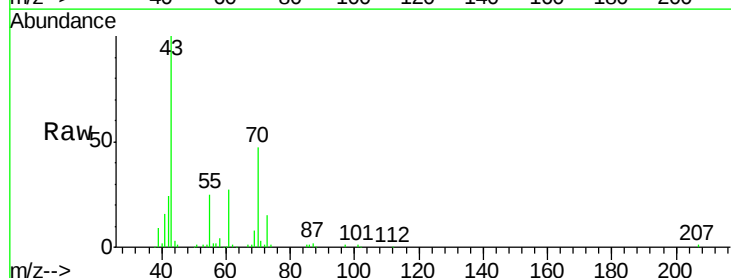
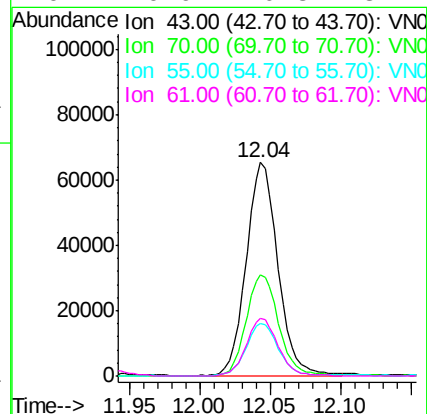
Ion Ratio Lower Upper

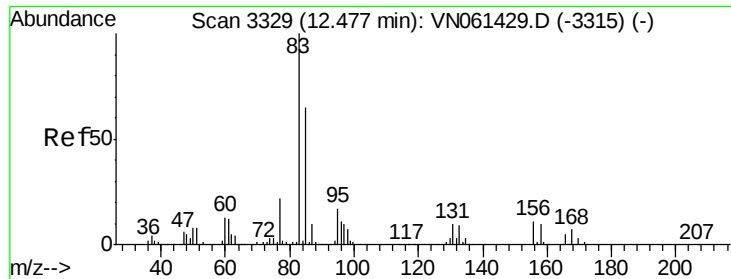
43 100

70 48.2 37.0 55.4

55 25.6 19.5 29.3

61 26.9 20.8 31.2





#75

1,1,2,2-Tetrachloroethane

Concen: 18.291 ug/l

RT: 12.48 min Scan# 3329

Delta R.T. -0.00 min

Lab File: VN061502.D

Acq: 20 May 2020 15:53

Instrument :

MSVOA_N

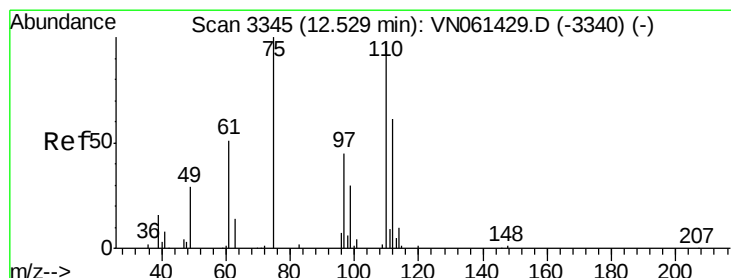
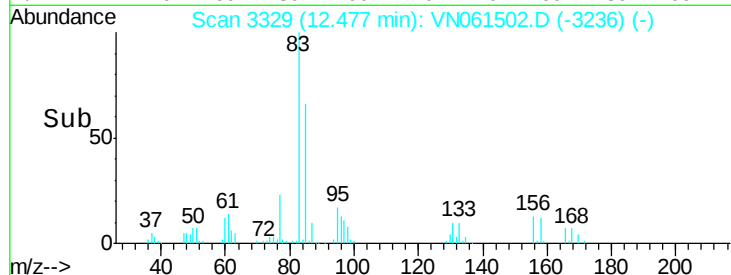
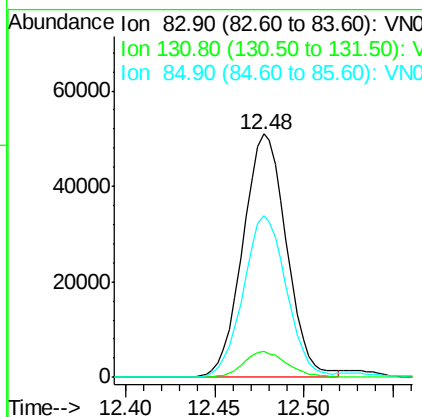
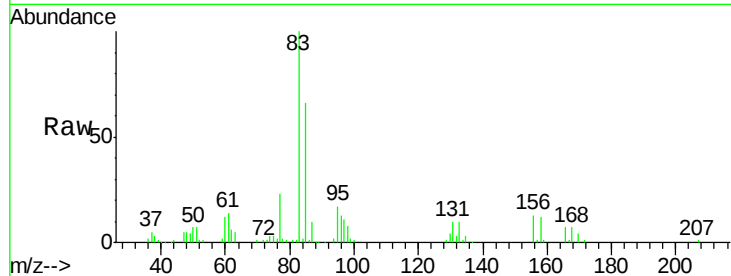
ClientSampleId :

VN0520WBSD01

Tot Ion:	83	Resp:	87022
Ion Ratio	Lower	Upper	
83	100		
131	10.6	4.8	14.4
85	65.6	32.1	96.5

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#76

1,2,3-Trichloropropane

Concen: 17.739 ug/l m

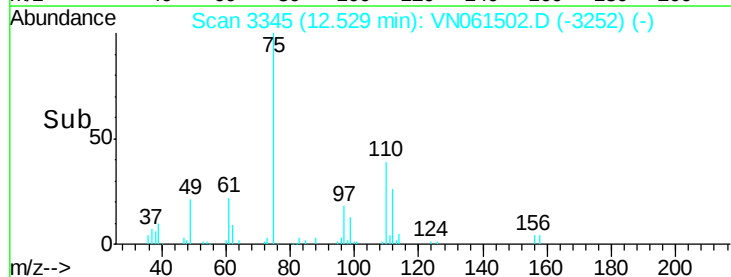
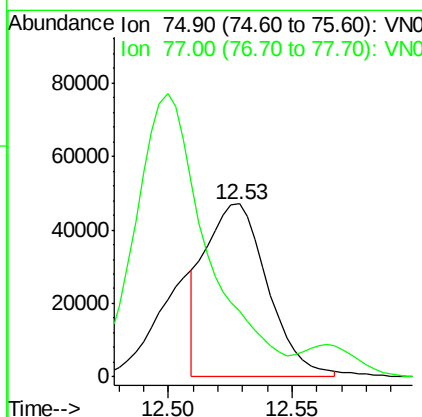
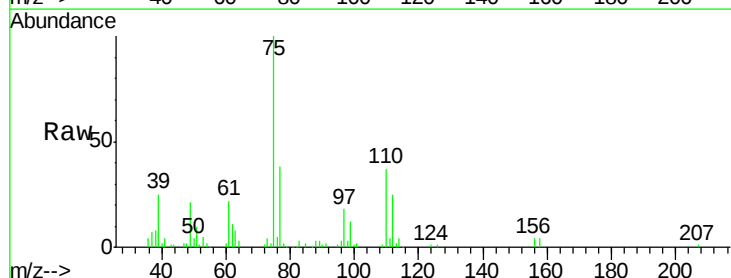
RT: 12.53 min Scan# 3345

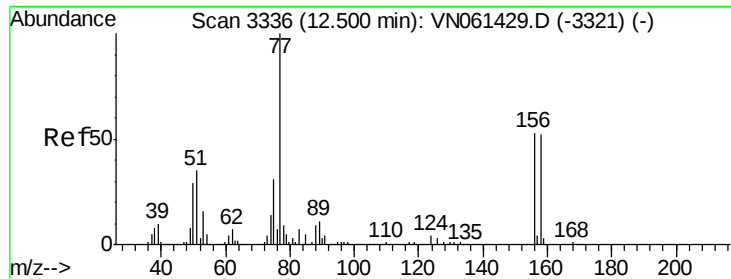
Delta R.T. -0.00 min

Lab File: VN061502.D

Acq: 20 May 2020 15:53

Tgt Ion:	75	Resp:	81992
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 19.920 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VN061502.D

Acq: 20 May 2020 15:53

Instrument :

MSVOA_N

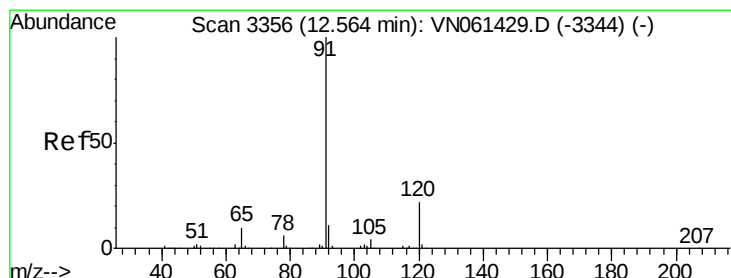
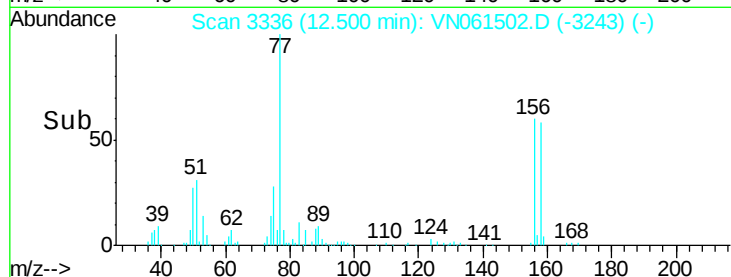
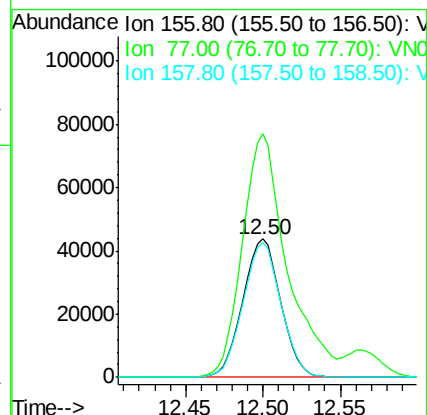
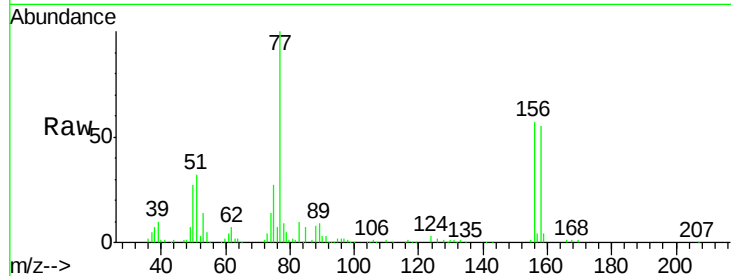
ClientSampleId :

VN0520WBSD01

Tot Ion	Ratio	Lower	Upper
156	100		
77	207.5	112.3	336.9
158	97.4	47.9	143.6

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#78

n-propylbenzene

Concen: 18.244 ug/l

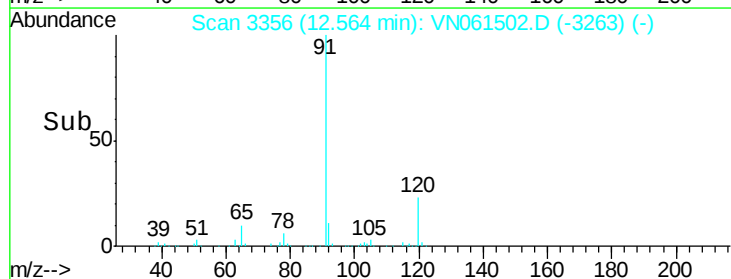
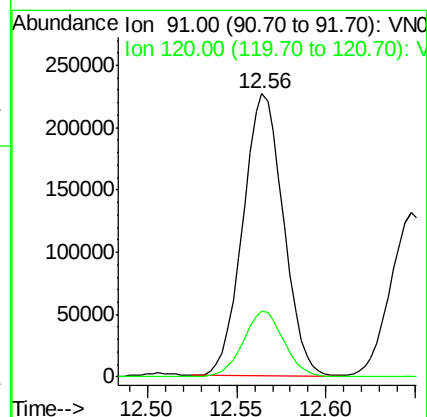
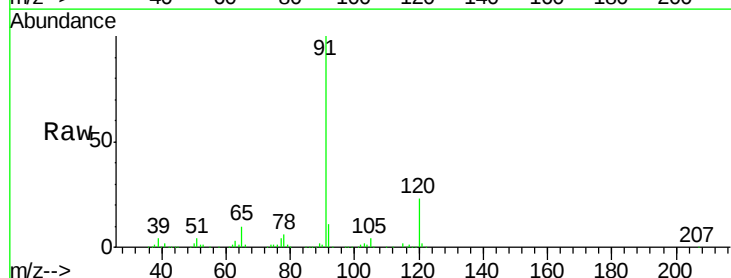
RT: 12.56 min Scan# 3356

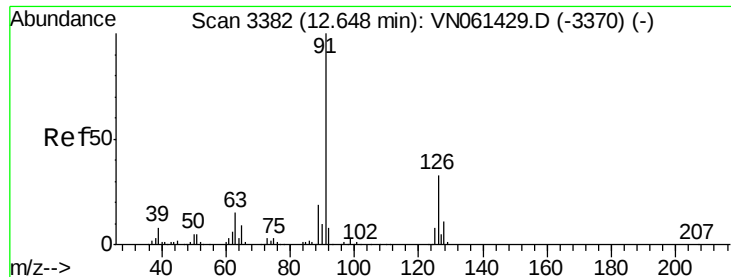
Delta R.T. -0.00 min

Lab File: VN061502.D

Acq: 20 May 2020 15:53

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.3	11.2	33.6





#79

2-Chlorotoluene

Concen: 18.321 ug/l

RT: 12.65 min Scan# 3382

Delta R.T. -0.00 min

Lab File: VN061502.D

Acq: 20 May 2020 15:53

Instrument :

MSVOA_N

ClientSampled :

VN0520WBSD01

Tot Ion: 91 Resp: 213372

Ion Ratio Lower Upper

91 100

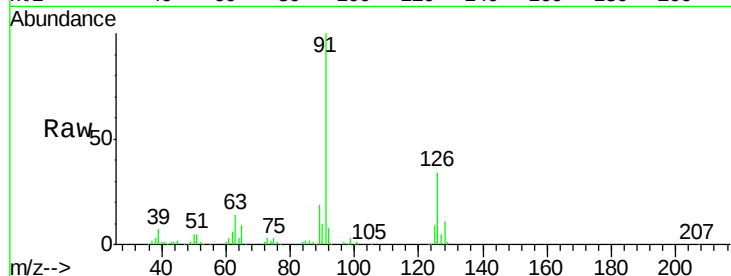
126 34.0 16.3 48.9

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Abundance Ion 91.00 (90.70 to 91.70): VN061502.D (-3289) (-)

Ion 125.90 (125.60 to 126.60): VN061502.D (-3289) (-)

150000

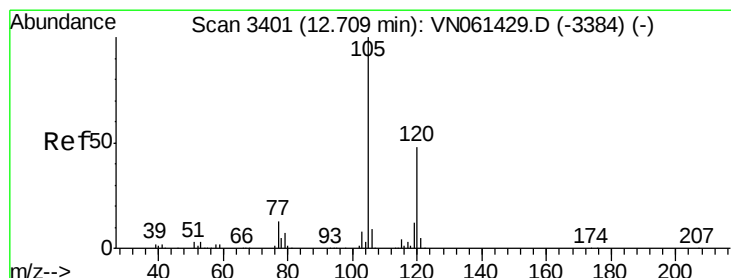
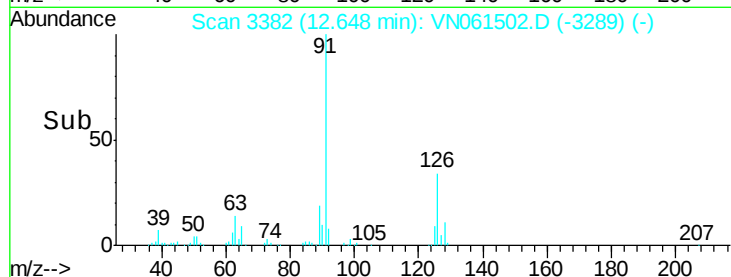
100000

50000

0

12.60 12.65 12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 18.620 ug/l

RT: 12.71 min Scan# 3400

Delta R.T. -0.00 min

Lab File: VN061502.D

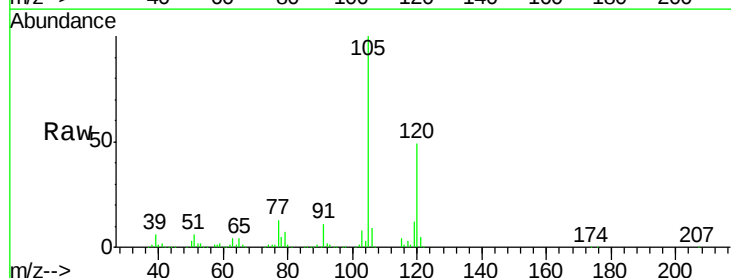
Acq: 20 May 2020 15:53

Tgt Ion: 105 Resp: 263647

Ion Ratio Lower Upper

105 100

120 49.5 24.1 72.4



Abundance Ion 105.00 (104.70 to 105.70): VN061502.D (-3308) (-)

Ion 120.00 (119.70 to 120.70): VN061502.D (-3308) (-)

150000

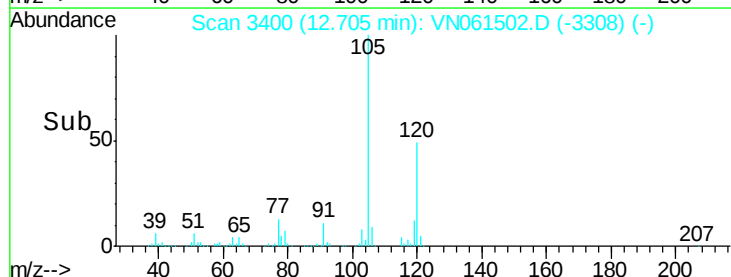
100000

50000

0

12.60 12.70 12.80

Time-->





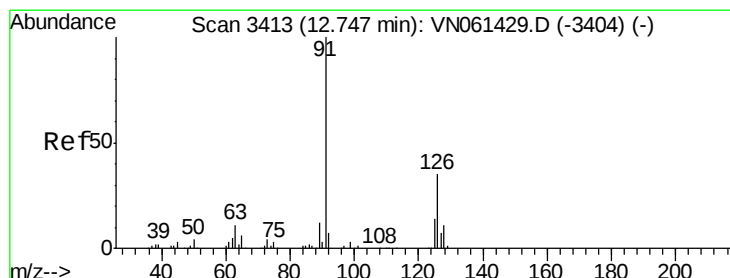
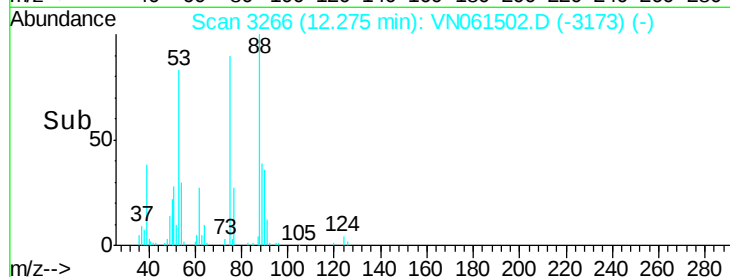
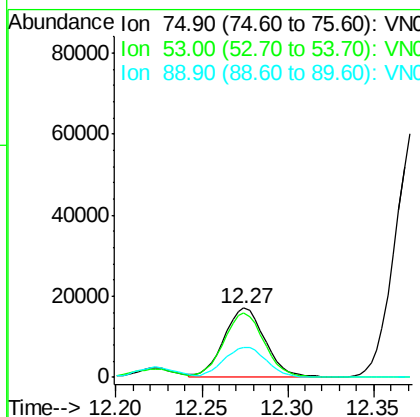
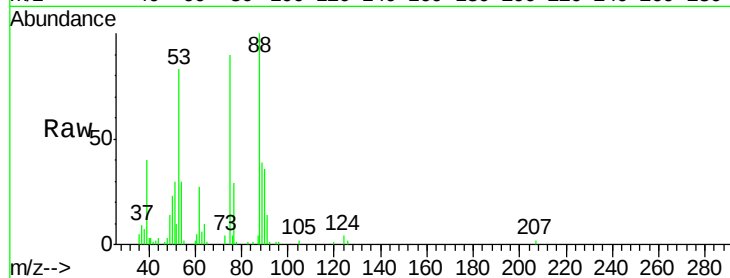
#81
trans-1,4-Dichloro-2-butene
Concen: 16.448 ug/l
RT: 12.27 min Scan# 3266
Delta R.T. -0.00 min
Lab File: VN061502.D
Acq: 20 May 2020 15:53

Instrument :
MSVOA_N
ClientSampleId :
VN0520WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
53	91.2	75.2	112.8
89	44.5	38.2	57.4

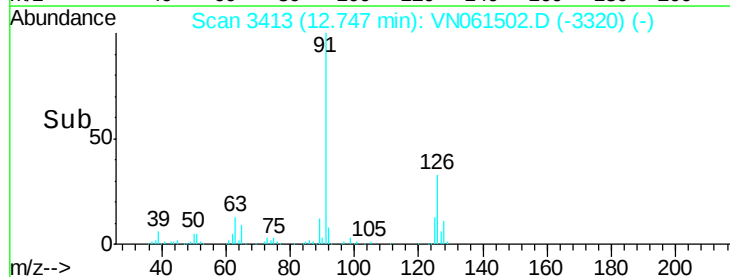
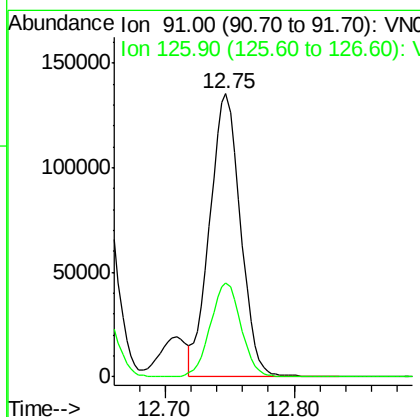
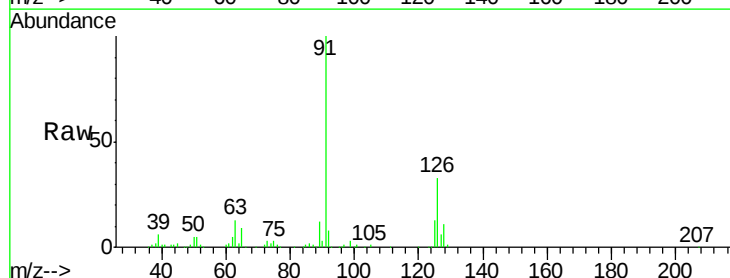
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#82
4-Chlorotoluene
Concen: 18.490 ug/l
RT: 12.75 min Scan# 3413
Delta R.T. -0.00 min
Lab File: VN061502.D
Acq: 20 May 2020 15:53

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.3	16.1	48.2





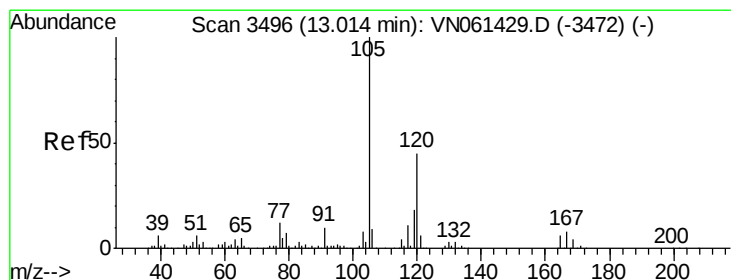
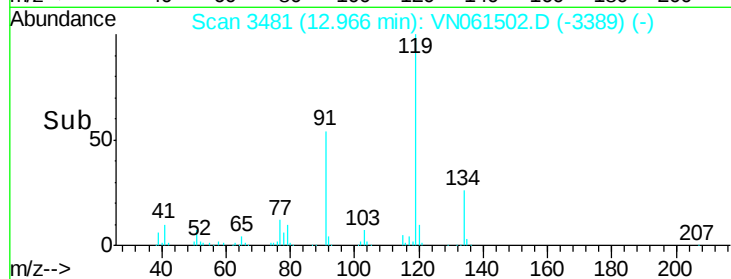
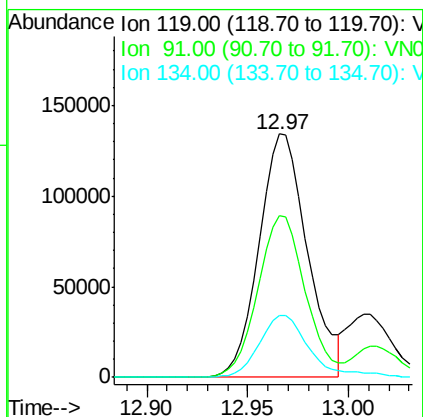
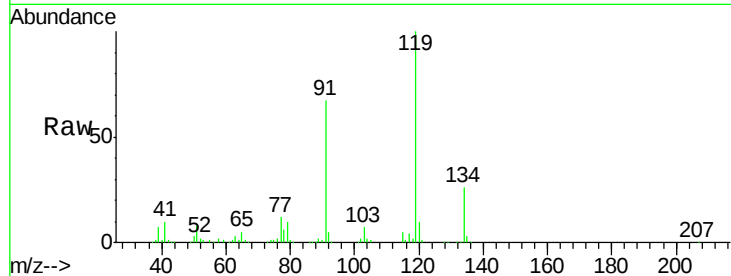
#83
 tert-Butylbenzene
 Concen: 18.493 ug/l
 RT: 12.97 min Scan# 3481
 Delta R.T. -0.00 min
 Lab File: VN061502.D
 Acq: 20 May 2020 15:53

Instrument :
 MSVOA_N
 ClientSampled :
 VN0520WBSD01

Tot Ion	Ratio	Lower	Upper
119	100		
91	65.2	33.7	101.0
134	26.6	12.8	38.3

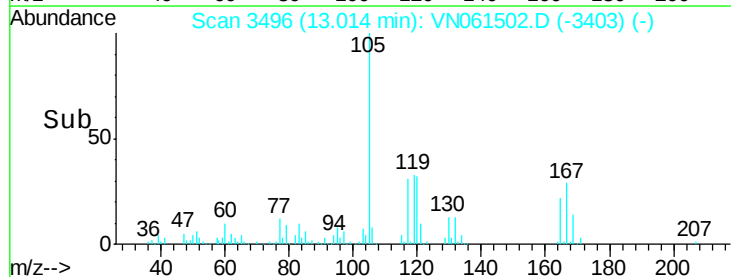
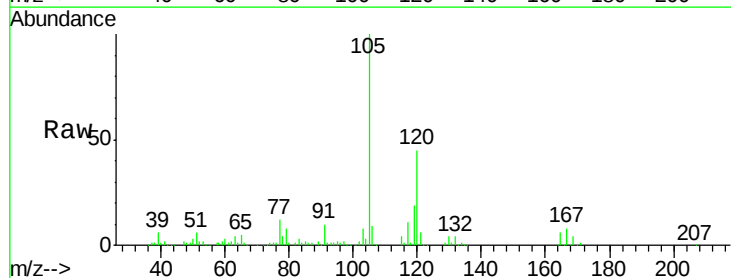
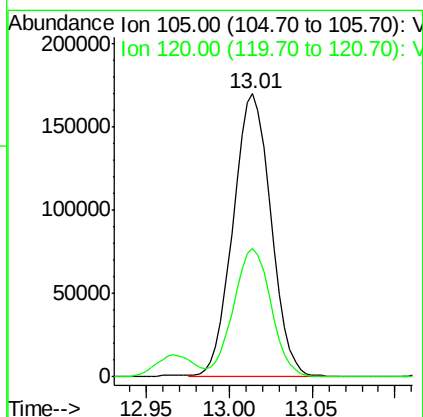
Manual Integrations
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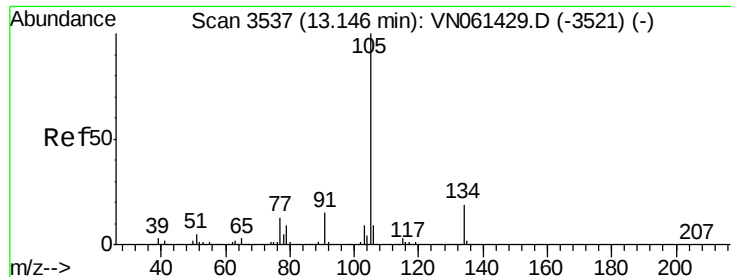
MMDadoda
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#84
 1,2,4-Trimethylbenzene
 Concen: 18.876 ug/l
 RT: 13.01 min Scan# 3496
 Delta R.T. -0.00 min
 Lab File: VN061502.D
 Acq: 20 May 2020 15:53

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.6	22.4	67.3





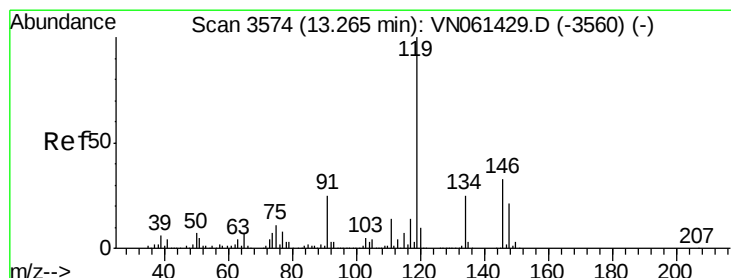
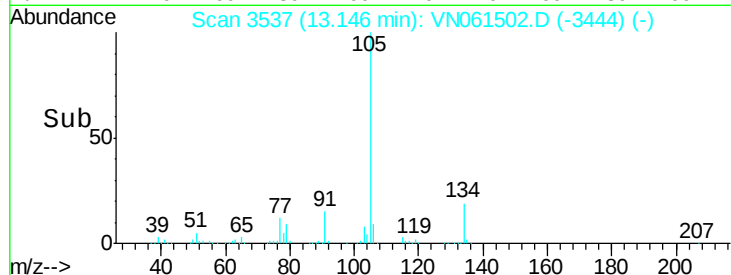
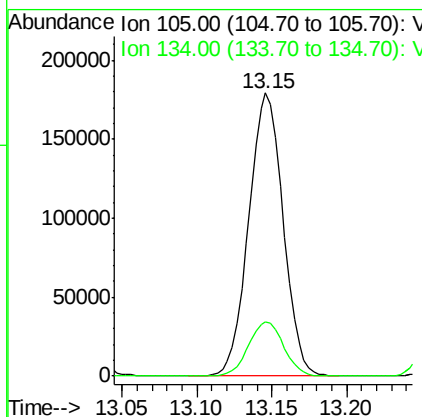
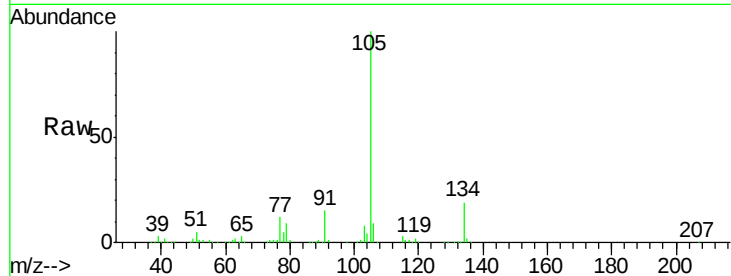
#85
 sec-Butylbenzene
 Concen: 17.443 ug/l
 RT: 13.15 min Scan# 3537
 Delta R.T. -0.00 min
 Lab File: VN061502.D
 Acq: 20 May 2020 15:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0520WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
105	100	286068		
134	19.7	9.8	29.5	

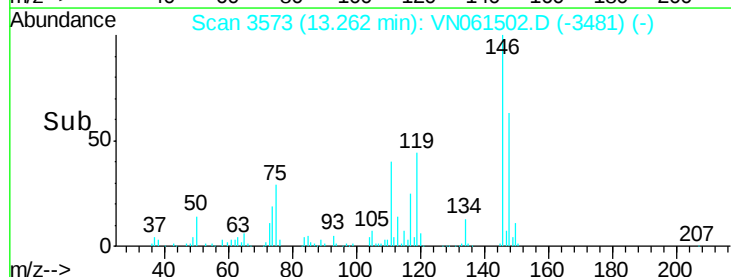
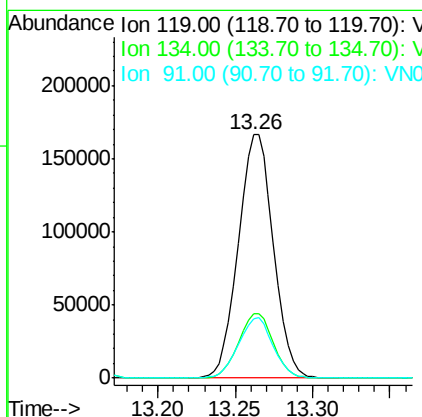
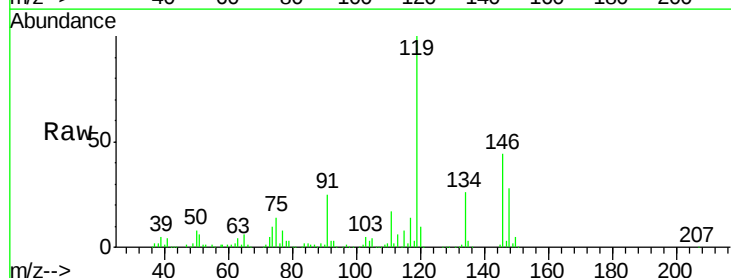
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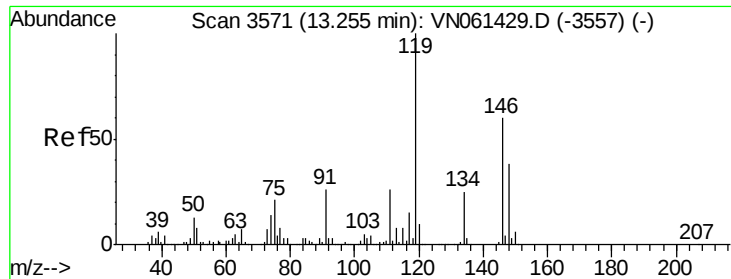
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 5/21/2020 1:16:16 PM



#86
 p-Isopropyltoluene
 Concen: 17.931 ug/l
 RT: 13.26 min Scan# 3573
 Delta R.T. -0.00 min
 Lab File: VN061502.D
 Acq: 20 May 2020 15:53

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	261135		
134	26.6	12.7	38.1	
91	24.8	12.6	37.6	





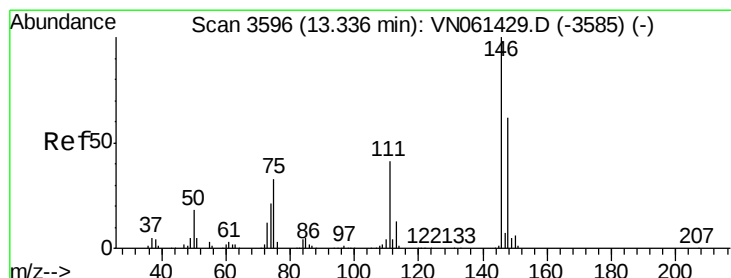
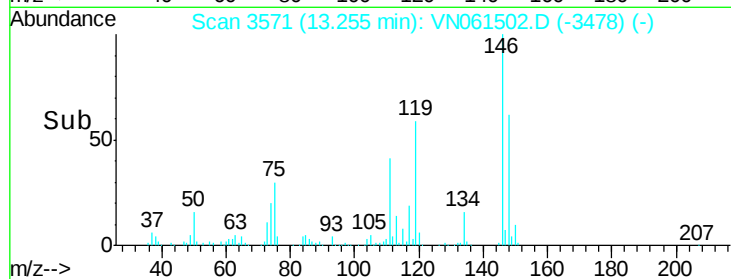
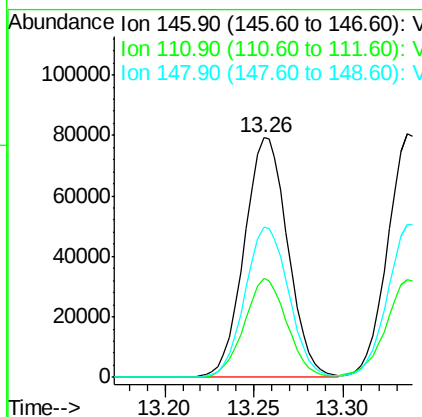
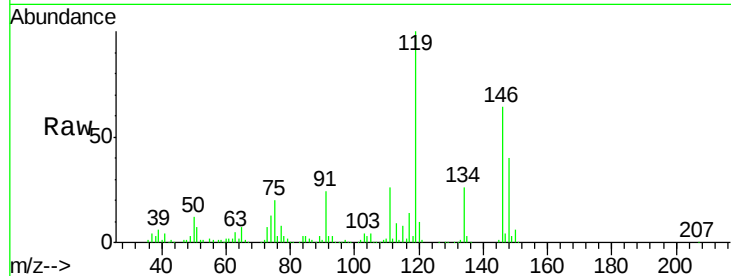
#87
 1,3-Dichlorobenzene
 Concen: 19.704 ug/l
 RT: 13.26 min Scan# 3571
 Delta R.T. -0.00 min
 Lab File: VN061502.D
 Acq: 20 May 2020 15:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0520WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	135333		
111	40.5	21.5	64.5	
148	63.1	31.8	95.3	

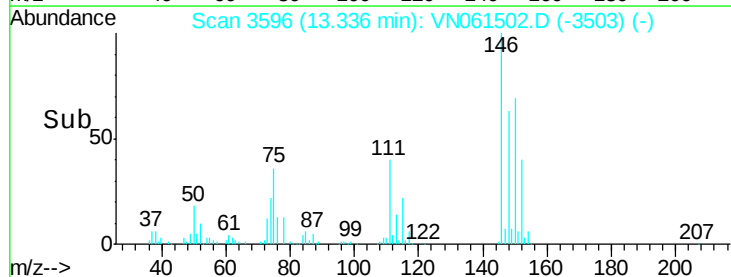
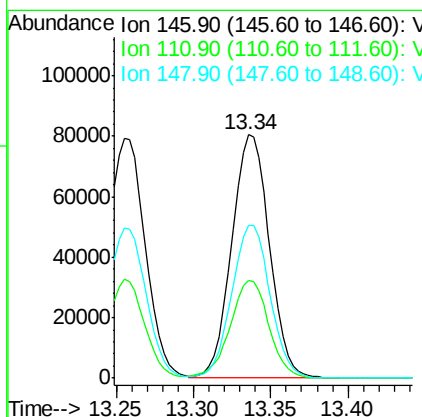
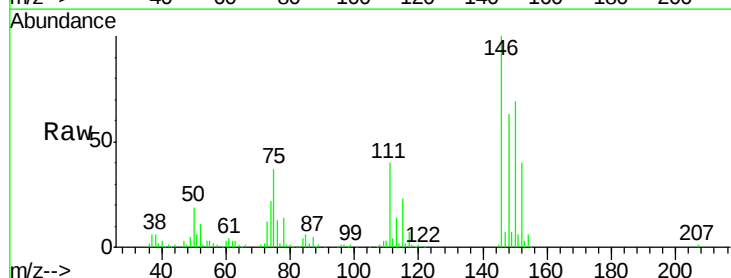
Manual Integrations
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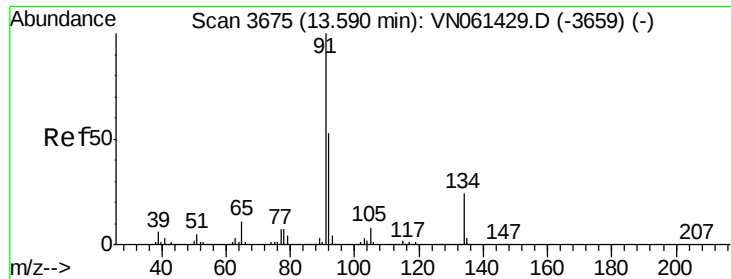
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#88
 1,4-Dichlorobenzene
 Concen: 19.692 ug/l
 RT: 13.34 min Scan# 3596
 Delta R.T. -0.00 min
 Lab File: VN061502.D
 Acq: 20 May 2020 15:53

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	135453		
111	41.2	20.8	62.5	
148	63.8	31.6	94.8	





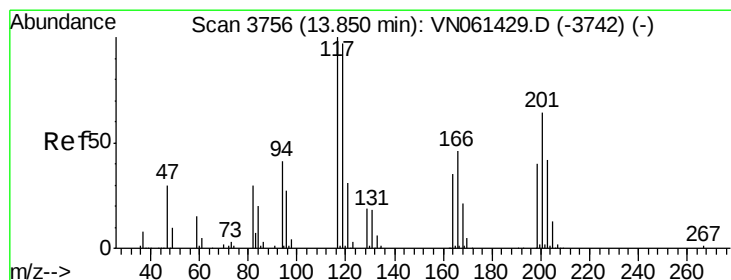
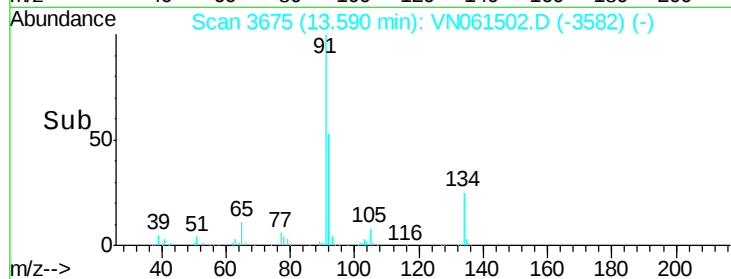
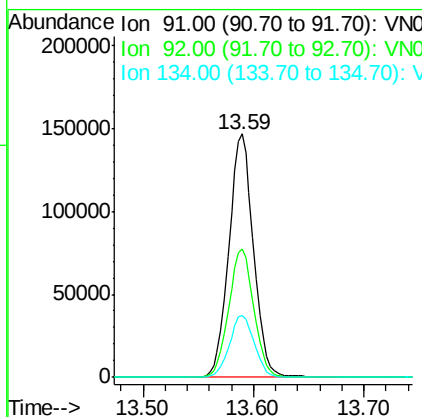
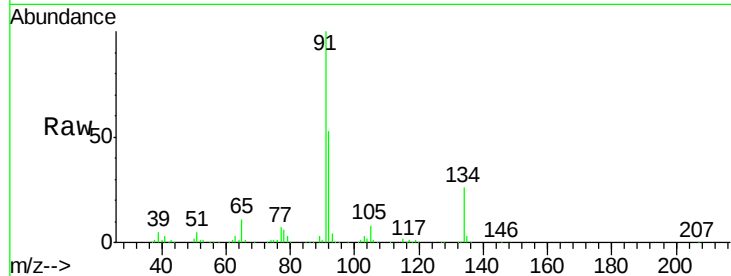
#89
n-Butylbenzene
Concen: 17.119 ug/l
RT: 13.59 min Scan# 3675
Delta R.T. -0.00 min
Lab File: VN061502.D
Acq: 20 May 2020 15:53

Instrument :
MSVOA_N
ClientSampleId :
VN0520WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	226487		
92	53.8		26.8	80.3
134	25.9		12.4	37.4

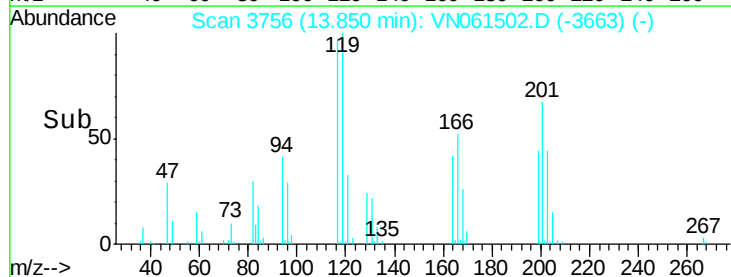
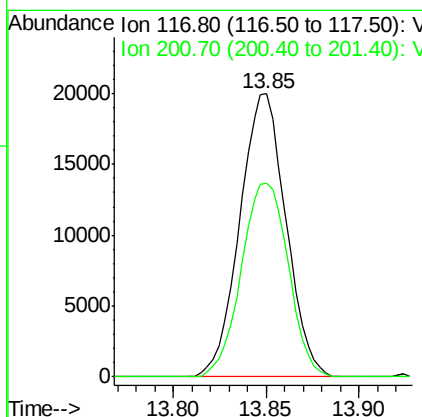
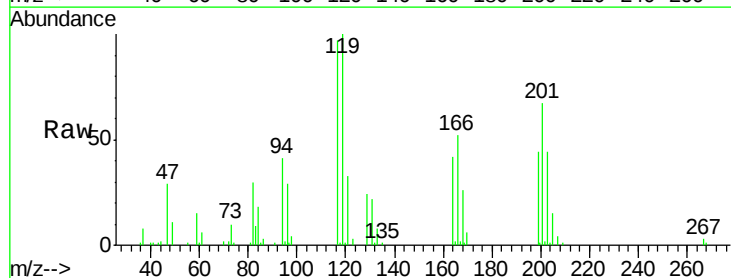
Manual Integrations
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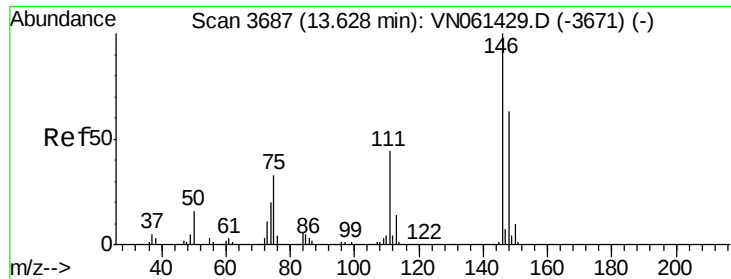
MMDadoda
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#90
Hexachloroethane
Concen: 17.451 ug/l
RT: 13.85 min Scan# 3756
Delta R.T. -0.00 min
Lab File: VN061502.D
Acq: 20 May 2020 15:53

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	34443		
201	69.6		32.9	98.7





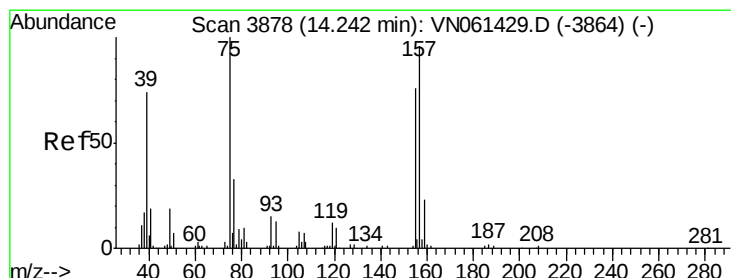
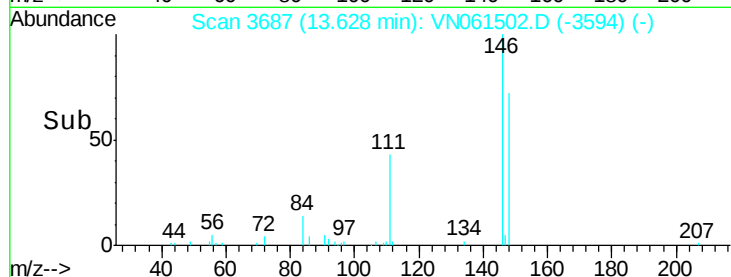
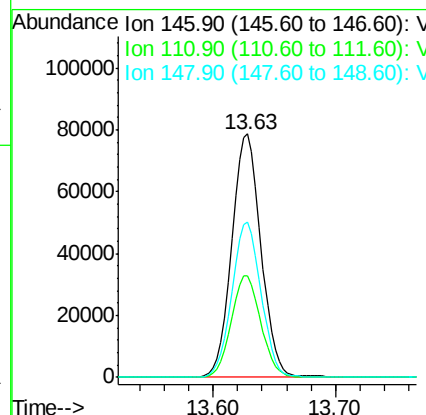
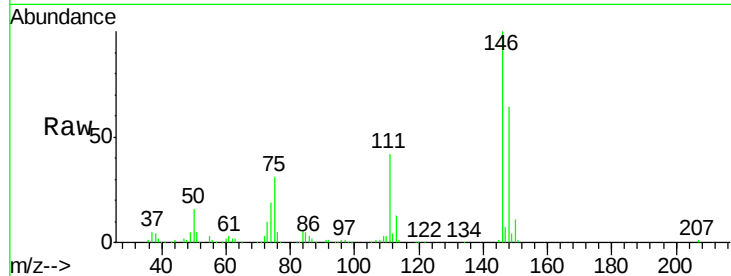
#91
 1,2-Dichlorobenzene
 Concen: 20.030 ug/l
 RT: 13.63 min Scan# 3687
 Delta R.T. -0.00 min
 Lab File: VN061502.D
 Acq: 20 May 2020 15:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0520WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.2	21.9	65.7
148	63.6	31.6	94.7

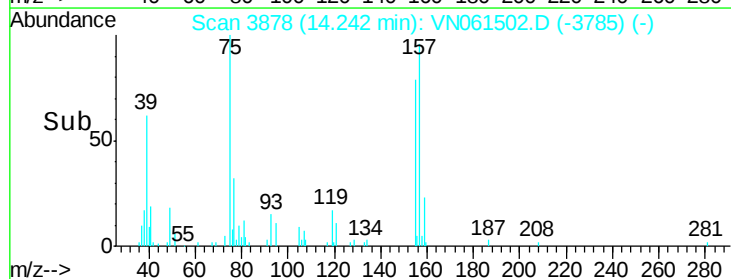
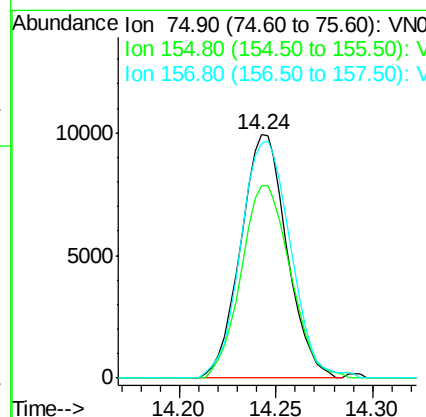
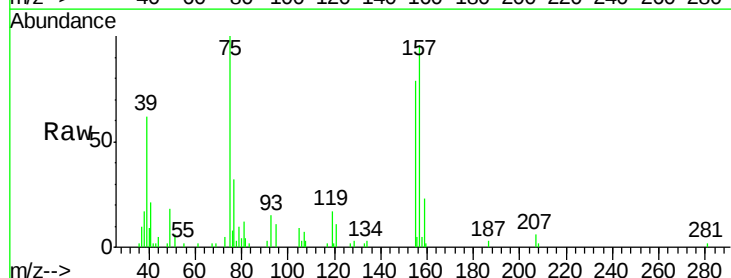
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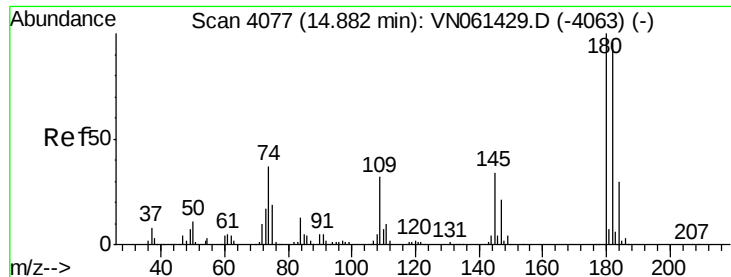
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.176 ug/l
 RT: 14.24 min Scan# 3878
 Delta R.T. -0.00 min
 Lab File: VN061502.D
 Acq: 20 May 2020 15:53

Tgt Ion	Ratio	Lower	Upper
75	100		
155	84.0	38.9	116.7
157	104.8	48.6	145.8





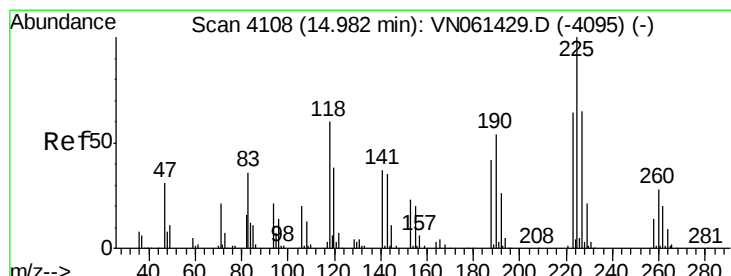
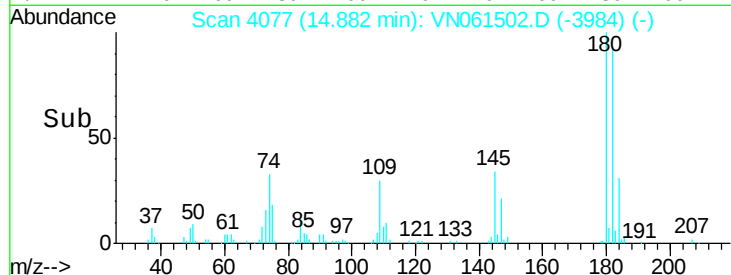
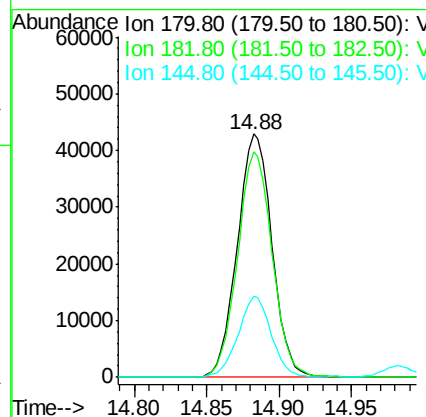
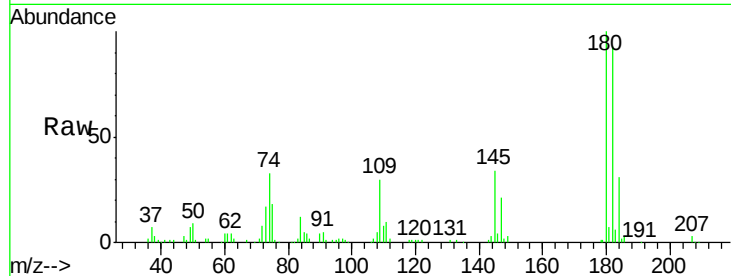
#93
 1,2,4-Trichlorobenzene
 Concen: 19.937 ug/l
 RT: 14.88 min Scan# 4077
 Delta R.T. -0.00 min
 Lab File: VN061502.D
 Acq: 20 May 2020 15:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0520WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	71220		
182	92.4	47.0	141.0	
145	31.8	16.7	50.0	

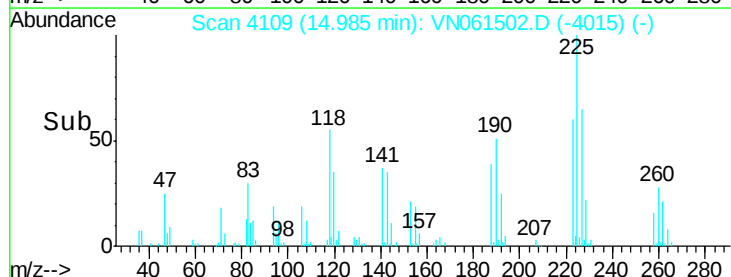
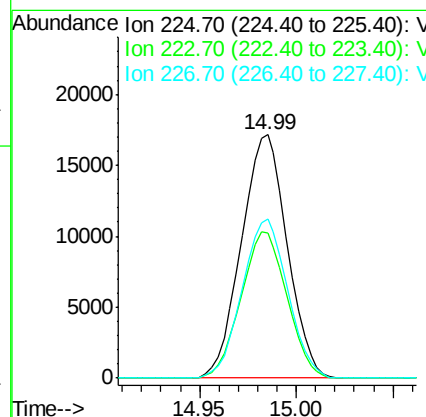
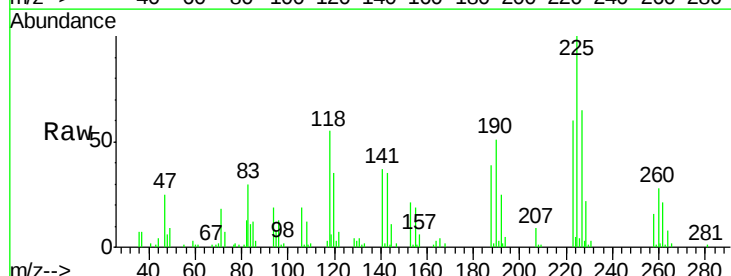
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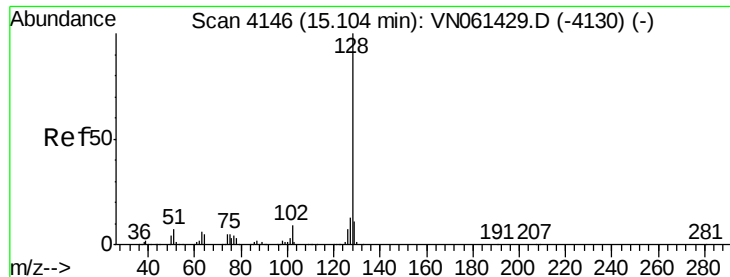
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#94
 Hexachlorobutadiene
 Concen: 17.799 ug/l
 RT: 14.99 min Scan# 4109
 Delta R.T. 0.00 min
 Lab File: VN061502.D
 Acq: 20 May 2020 15:53

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	28251		
223	60.0	31.9	95.7	
227	64.8	31.5	94.5	





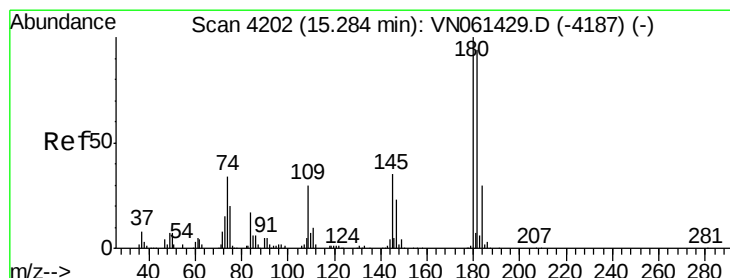
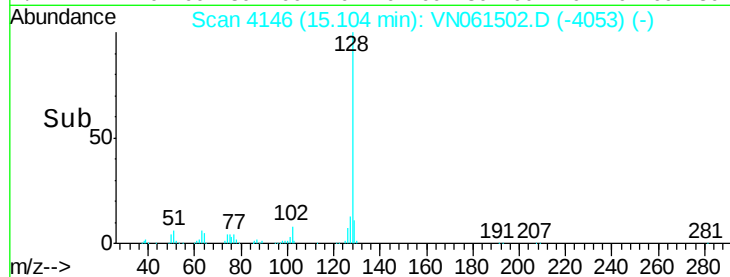
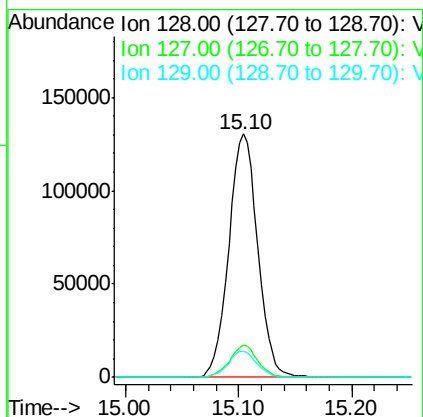
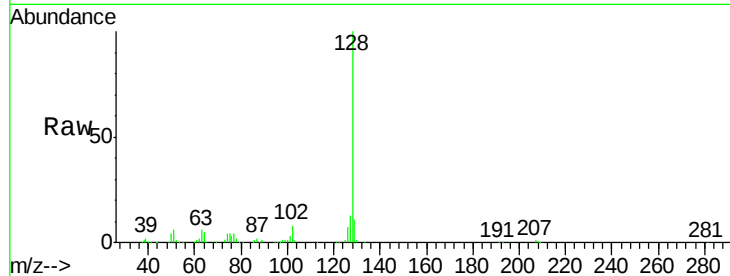
#95
Naphthalene
Concen: 20.417 ug/l
RT: 15.10 min Scan# 4146
Delta R.T. -0.00 min
Lab File: VN061502.D
Acq: 20 May 2020 15:53

Instrument :
MSVOA_N
ClientSampleId :
VN0520WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	231878		
127	12.8		10.1	15.1
129	10.6		8.6	13.0

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 19.500 ug/l
RT: 15.28 min Scan# 4202
Delta R.T. -0.00 min
Lab File: VN061502.D
Acq: 20 May 2020 15:53

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	69347		
182	96.0		47.8	143.3
145	33.8		17.3	51.9

