

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN051420\
 Data File : VN061395.D
 Acq On : 14 May 2020 15:23
 Operator : JC/MD
 Sample : VSTDIC100
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Manual Integrations
 APPROVED

MMDadoda
 5/15/2020 2:10:44 PM

Quant Time: May 14 15:44:54 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N051420W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu May 14 15:22:52 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.15	128	21652	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.55	114	124863	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.38	117	115734	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	7.99	65	55765	29.99	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	99.97%
60) 4-Bromofluorobenzene	12.37	95	61083	30.48	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	101.60%
63) Toluene-d8	10.06	98	159093	29.30	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	97.67%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.83	85	99616	89.446	ug/l 100
3) Chloromethane	2.03	50	169176	104.881	ug/l 100
4) Vinyl Chloride	2.16	62	226376	127.377	ug/l 98
5) Bromomethane	2.54	94	113464	109.570	ug/l 100
6) Chloroethane	2.67	64	148348	129.345	ug/l 97
7) Trichlorofluoromethane	2.98	101	287105	136.258	ug/l 100
8) Diethyl Ether	3.37	74	79517	104.202	ug/l 100
9) 1,1,2-Trichlorotrifluoroet	3.72	101	107319	94.217	ug/l 93
10) 1,1-Dichloroethene	3.70	96	112456	99.741	ug/l 100
11) Methyl Iodide	3.91	142	126431	84.221	ug/l 99
12) Methyl Acetate	4.27	43	137214	79.362	ug/l 98
13) Acrolein	3.56	56	110223	533.071	ug/l 100
14) Acrylonitrile	4.93	53	324858	459.381	ug/l 98
15) Acetone	3.77	58	75421	371.663	ug/l 91
16) Carbon Disulfide	4.01	76	286782	85.915	ug/l 100
17) Allyl chloride	4.28	41	226813	100.120	ug/l 100
18) Methylene Chloride	4.50	84	135330	99.790	ug/l 95
19) trans-1,2-Dichloroethene	4.99	96	136427	109.819	ug/l 92
20) Diisopropyl ether	5.90	45	531578	111.917	ug/l 93
21) 1,1-Dichloroethane	5.80	63	280087	108.010	ug/l 98
22) cis-1,2-Dichloroethene	6.78	96	160474	107.866	ug/l 98
23) tert-Butyl Alcohol	4.73	59	97484	350.445	ug/l # 100
24) Methyl tert-Butyl Ether	4.99	73	461069	107.385	ug/l 98
25) Chloroform	7.33	83	272128	106.180	ug/l 96
26) Cyclohexane	7.61	56	262670	112.848	ug/l # 97
29) 1,1-Dichloropropene	7.75	75	216221	108.060	ug/l 99
30) 2-Butanone	6.78	43	452420	419.124	ug/l 100
31) 2,2-Dichloropropane	6.78	77	252374	106.770	ug/l 96
32) 1,1,1-Trichloroethane	7.53	97	244133	106.997	ug/l 99
33) Carbon Tetrachloride	7.73	117	195044	101.452	ug/l 97
34) Benzene	8.00	78	619800	106.096	ug/l # 92
35) Methacrylonitrile	7.13	41	89349	88.268	ug/l 89
36) 1,2-Dichloroethane	8.09	62	233288	104.470	ug/l 99
37) Trichloroethene	8.80	130	154646	108.265	ug/l 97
38) Methylcyclohexane	9.05	83	259913	110.915	ug/l 98
39) 1,2-Dichloropropane	9.09	63	166710	104.336	ug/l 97
40) Dibromomethane	9.18	93	104761	105.065	ug/l 92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.37	83	227492	109.671	ug/l	99
42) Vinyl Acetate	5.84	43	2183235	553.875	ug/l	99
43) Ethyl Acetate	6.88	43	201394	93.287	ug/l	94
44) Isopropyl Acetate	8.12	43	376305	104.556	ug/l	100
45) 1,4-Dioxane	9.16	88	29126	1178.038	ug/l	94
46) Methyl methacrylate	9.17	41	174698	104.959	ug/l	95
47) n-amyl Acetate	12.04	43	348712	109.143	ug/l	95
48) t-1,3-Dichloropropene	10.35	75	272474	112.472	ug/l	96
49) cis-1,3-Dichloropropene	9.81	75	283145	111.685	ug/l	96
50) 1,1,2-Trichloroethane	10.53	97	145292	102.619	ug/l	99
51) Ethyl methacrylate	10.40	69	254808	109.824	ug/l	96
52) 1,3-Dichloropropane	10.68	76	264596	103.516	ug/l	99
53) Dibromochloromethane	10.87	129	164557	107.462	ug/l	99
54) 1,2-Dibromoethane	10.98	107	150775	102.418	ug/l	98
55) 2-Chloroethyl vinyl ether	9.66	63	567607	512.503	ug/l	99
56) Bromoform	12.10	173	106865	102.200	ug/l #	98
58) 4-Methyl-2-Pentanone	9.95	43	1040056	500.158	ug/l	100
59) 2-Hexanone	10.72	43	745377	462.682	ug/l	99
61) Tetrachloroethene	10.60	164	148173	116.844	ug/l	96
62) Toluene	10.12	91	679906	109.110	ug/l	98
64) Chlorobenzene	11.41	112	401804	106.248	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.48	131	149077	105.474	ug/l	98
66) Ethyl Benzene	11.48	91	781344	112.609	ug/l	100
67) m/p-Xylenes	11.60	106	587135	226.946	ug/l	100
68) o-Xylene	11.92	106	277332	110.471	ug/l	100
69) Styrene	11.94	104	494174	118.520	ug/l	98
70) Isopropylbenzene	12.22	105	758326	112.465	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.48	83	203621	92.521	ug/l	99
72) 1,2,3-Trichloropropane	12.53	75	189930m	94.024	ug/l	
73) Bromobenzene	12.50	156	159490	100.328	ug/l	94
74) n-propylbenzene	12.57	91	902334	114.289	ug/l	100
75) 2-Chlorotoluene	12.65	91	518032	109.335	ug/l	98
76) 1,3,5-Trimethylbenzene	12.71	105	638749	110.933	ug/l	99
77) t-1,4-Dichloro-2-butene	12.27	75	84962	108.787	ug/l	97
78) 4-Chlorotoluene	12.75	91	548576	112.101	ug/l	99
79) tert-butylbenzene	12.97	119	530118	108.214	ug/l	98
80) 1,2,4-Trimethylbenzene	13.01	105	640103	112.104	ug/l	100
81) sec-Butylbenzene	13.15	105	736972	111.399	ug/l	100
82) p-Isopropyltoluene	13.26	119	670389	112.787	ug/l	99
83) 1,3-Dichlorobenzene	13.26	146	302216	104.736	ug/l	98
84) 1,4-Dichlorobenzene	13.34	146	299688	103.932	ug/l	98
85) n-Butylbenzene	13.59	91	620334	113.125	ug/l	98
86) Hexachloroethane	13.85	117	93219	90.683	ug/l	83
87) 1,2-Dichlorobenzene	13.63	146	287027	100.793	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	14.25	75	43545	89.112	ug/l	97
89) 1,2,4-Trichlorobenzene	14.88	180	170393	96.007	ug/l	99
90) Hexachlorobutadiene	14.99	225	66213	75.257	ug/l	98
91) Naphthalene	15.10	128	534393	101.365	ug/l	99
92) 1,2,3-Trichlorobenzene	15.28	180	163094	94.669	ug/l	97

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MSVOA_N
ClientSampleId :
VSTDICC100

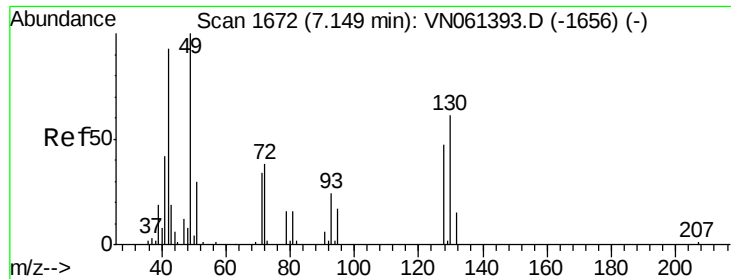
Manual Integrations
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QLast Update : Thu May 14 15:22:52 2020
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.15 min Scan# 1673

Delta R.T. 0.00 min

Lab File: VN061395.D

Acq: 14 May 2020 15:23

Instrument :

MSVOA_N

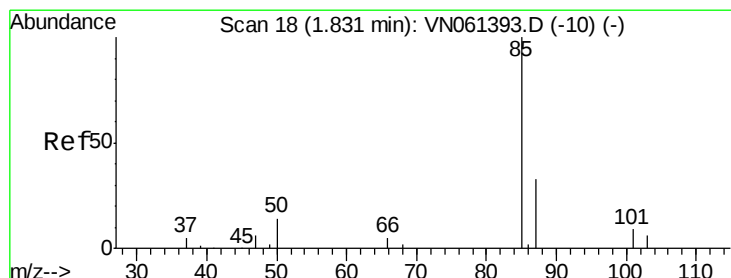
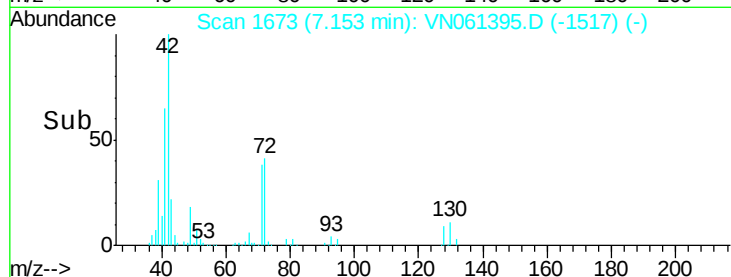
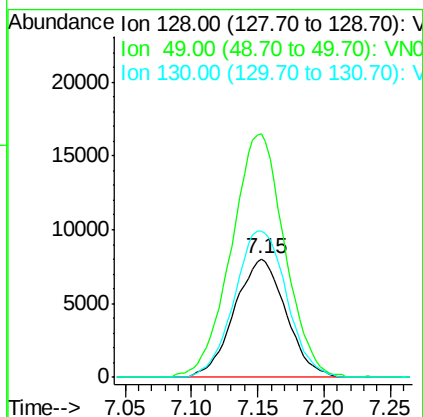
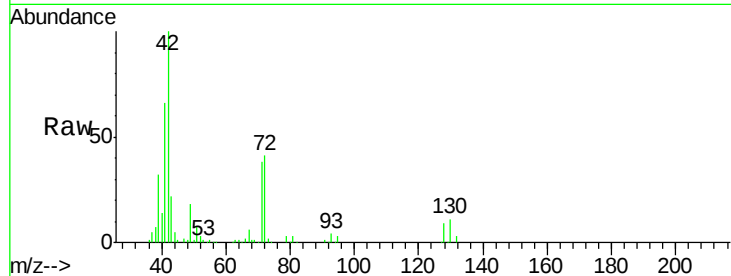
ClientSampleId :

VSTDIC100

Tot Ion:	128	Resp:	21652
Ion	Ratio	Lower	Upper
128	100		
49	212.2	0.0	453.5
130	125.6	0.0	314.2

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#2

Dichlorodifluoromethane

Concen: 89.446 ug/l

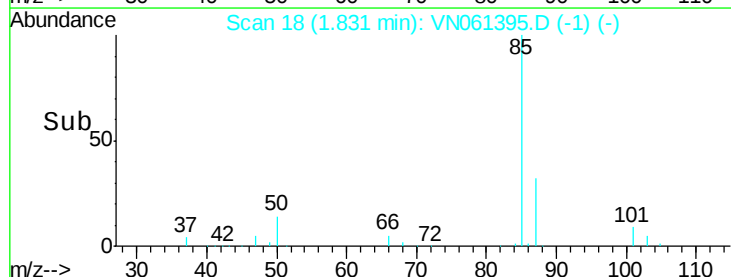
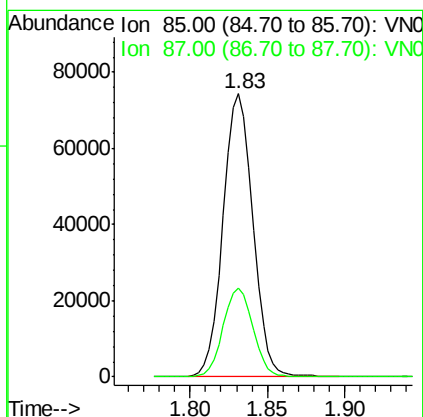
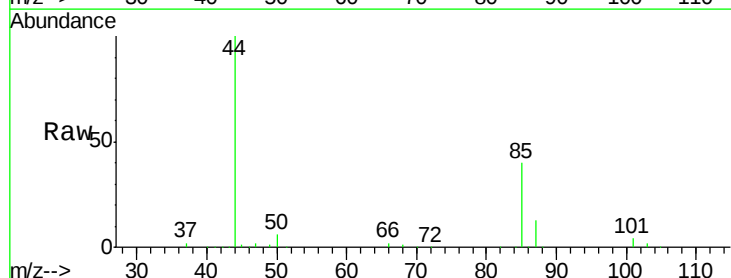
RT: 1.83 min Scan# 18

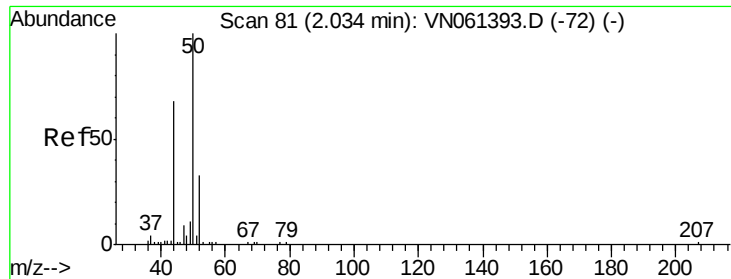
Delta R.T. -0.00 min

Lab File: VN061395.D

Acq: 14 May 2020 15:23

Tgt Ion:	85	Resp:	99616
Ion	Ratio	Lower	Upper
85	100		
87	31.5	15.7	47.0





#3

Chloromethane

Concen: 104.881 ug/l

RT: 2.03 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN061395.D

Acq: 14 May 2020 15:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 50 Resp: 169176

Ion Ratio Lower Upper

50 100

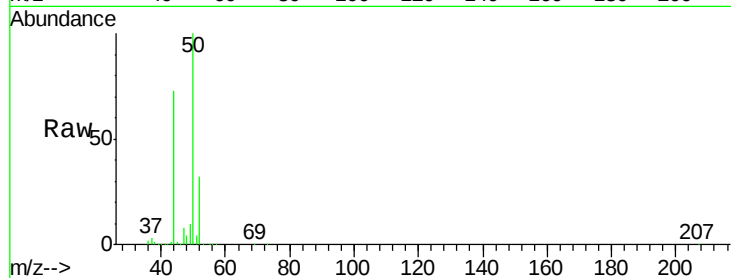
52 32.5 25.8 38.8

Manual Integrations

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Abundance Ion 50.00 (49.70 to 50.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

2.03

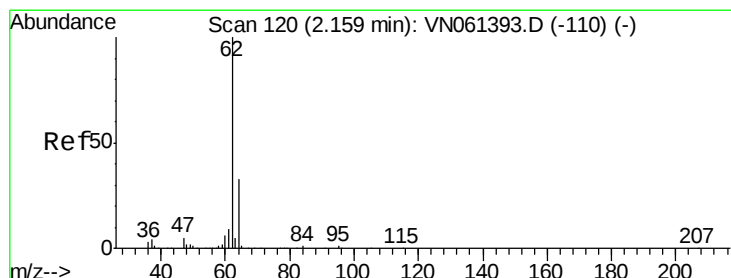
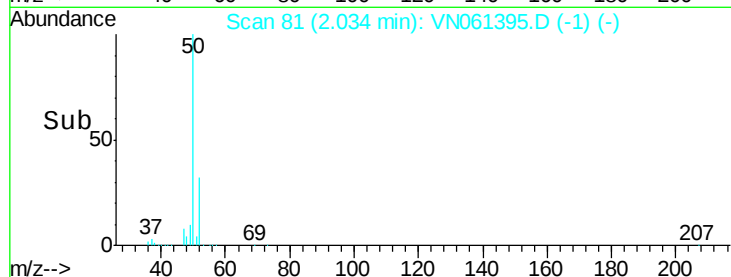
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 127.377 ug/l

RT: 2.16 min Scan# 120

Delta R.T. -0.00 min

Lab File: VN061395.D

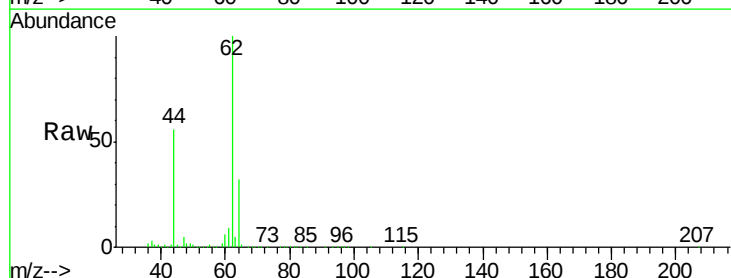
Acq: 14 May 2020 15:23

Tgt Ion: 62 Resp: 226376

Ion Ratio Lower Upper

62 100

64 31.6 26.1 39.1



Abundance Ion 62.00 (61.70 to 62.70): VN0

Ion 64.00 (63.70 to 64.70): VN0

2.16

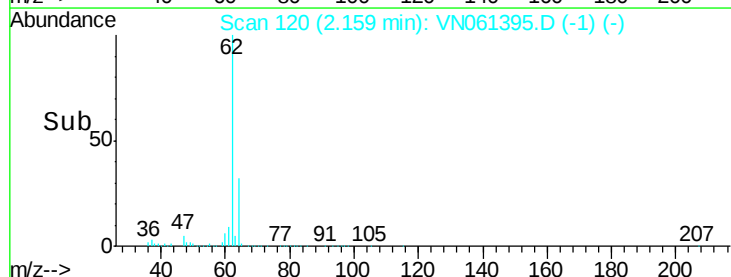
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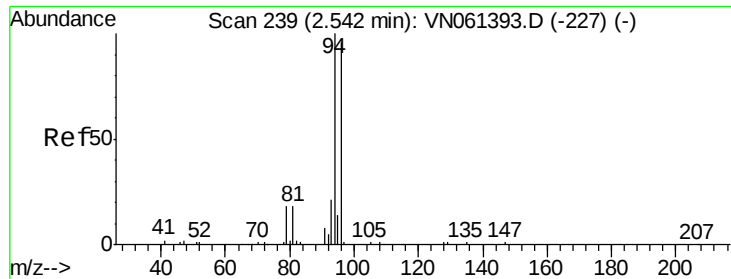
100000

50000

0

Time-->





#5

Bromomethane

Concen: 109.570 ug/l

RT: 2.54 min Scan# 237

Delta R.T. -0.01 min

Lab File: VN061395.D

Acq: 14 May 2020 15:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 94 Resp: 113464

Ion Ratio Lower Upper

94 100

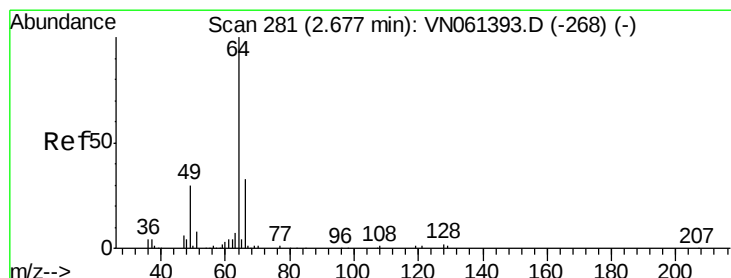
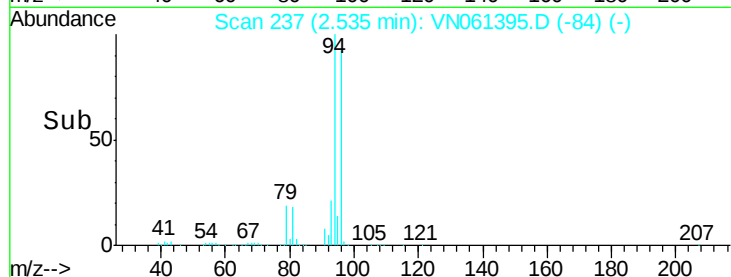
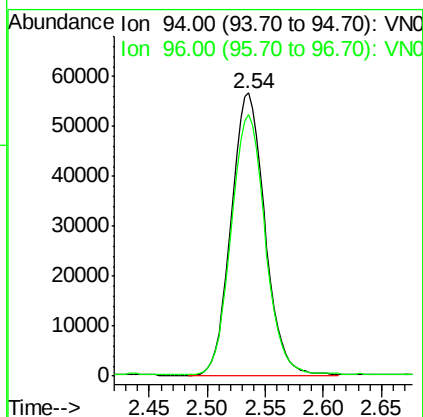
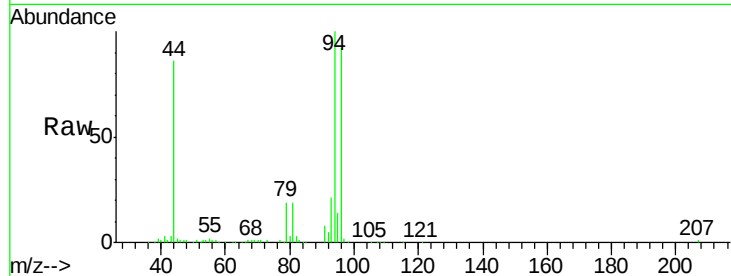
96 92.0 73.7 110.5

Manual Integrations

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#6

Chloroethane

Concen: 129.345 ug/l

RT: 2.67 min Scan# 280

Delta R.T. -0.00 min

Lab File: VN061395.D

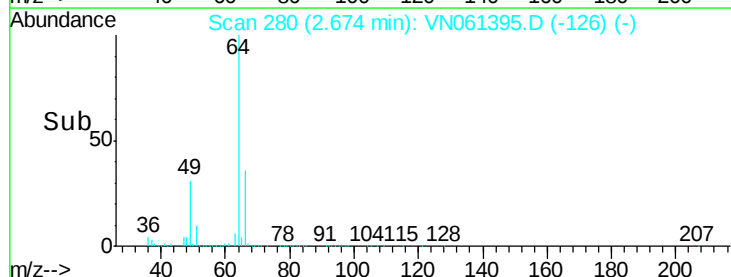
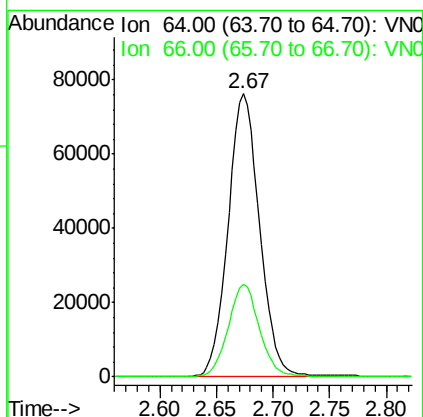
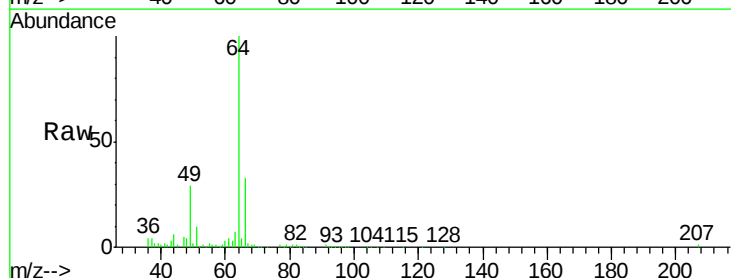
Acq: 14 May 2020 15:23

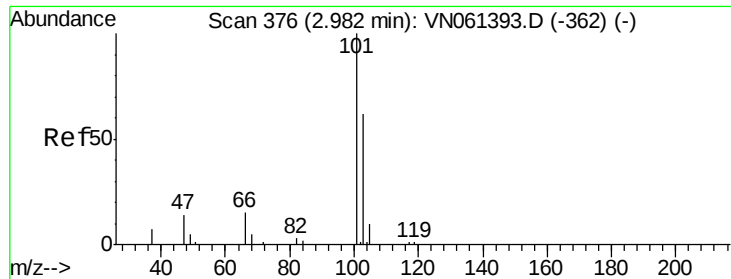
Tgt Ion: 64 Resp: 148348

Ion Ratio Lower Upper

64 100

66 32.6 24.6 36.8





#7

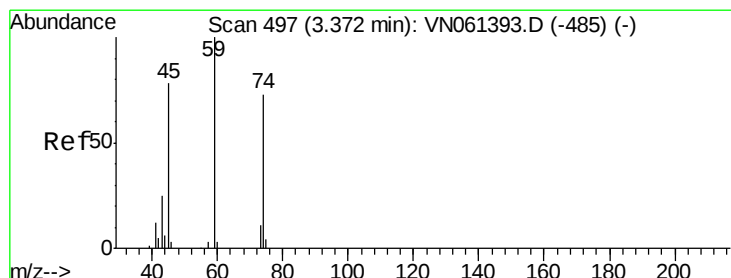
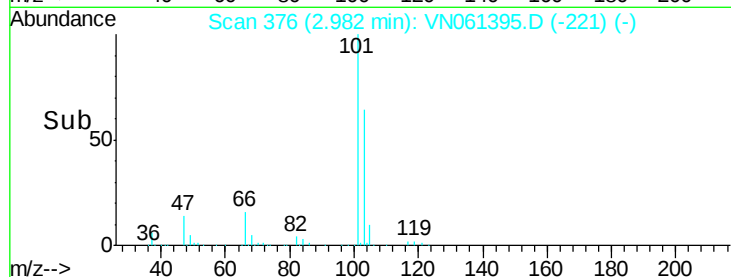
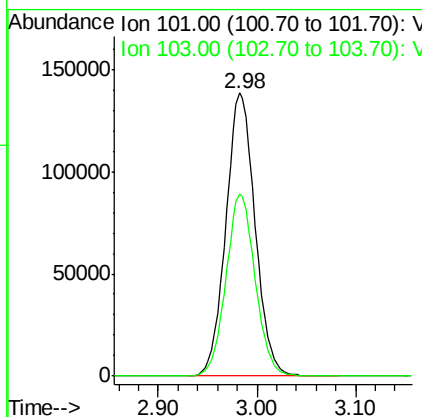
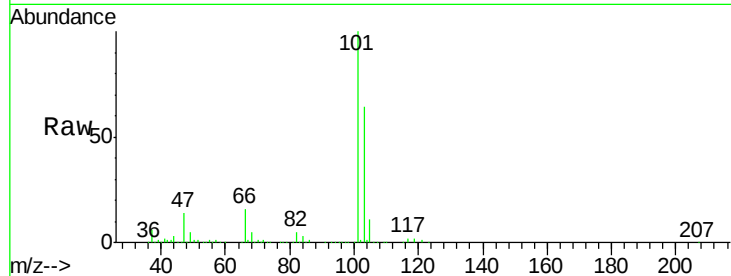
Trichlorofluoromethane
Concen: 136.258 ug/l
RT: 2.98 min Scan# 376
Delta R.T. -0.00 min
Lab File: VN061395.D
Acq: 14 May 2020 15:23

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VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
101	100	287105		
103	64.5	51.5	77.3	

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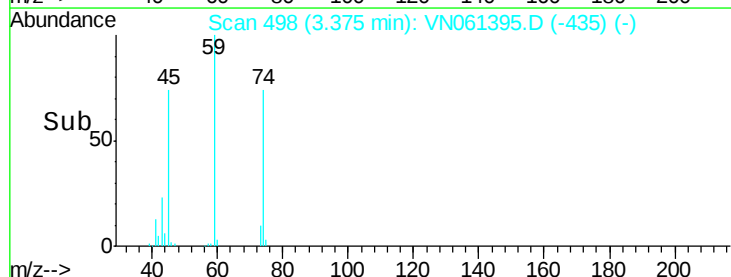
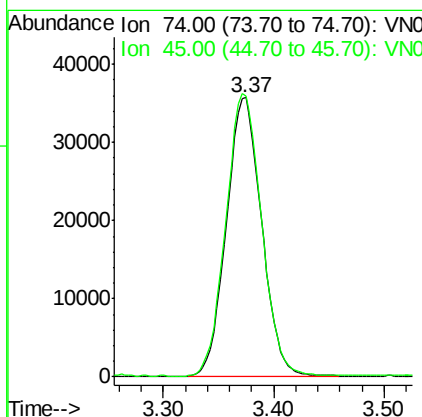
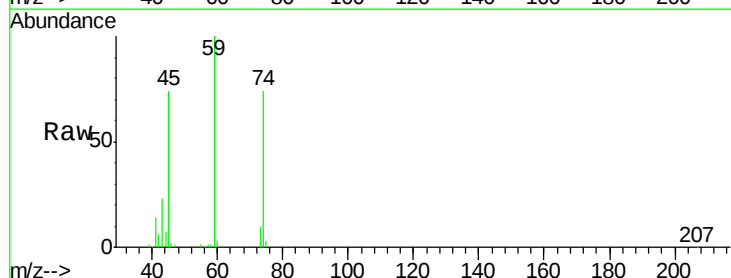
MMDadoda
5/15/2020 2:10:44 PM

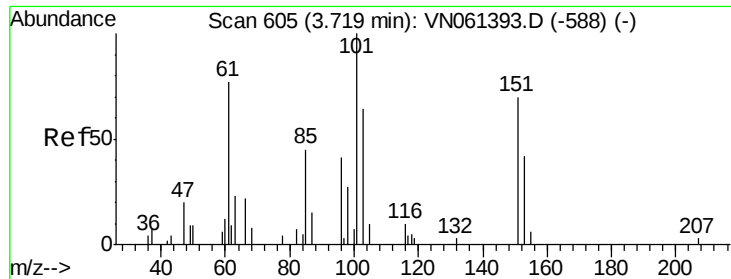


#8

Diethyl Ether
Concen: 104.202 ug/l
RT: 3.37 min Scan# 498
Delta R.T. 0.00 min
Lab File: VN061395.D
Acq: 14 May 2020 15:23

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	79517		
45	103.0	20.6	185.8	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 94.217 ug/l

RT: 3.72 min Scan# 605

Delta R.T. -0.00 min

Lab File: VN061395.D

Acq: 14 May 2020 15:23

Instrument :

MSVOA_N

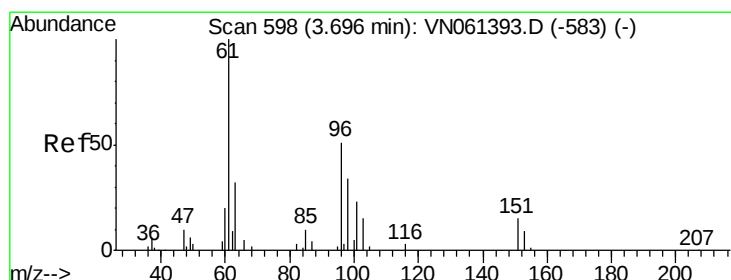
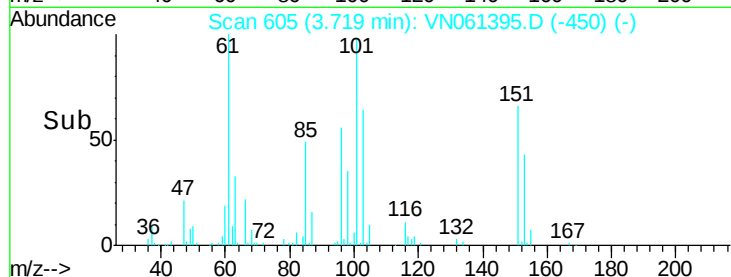
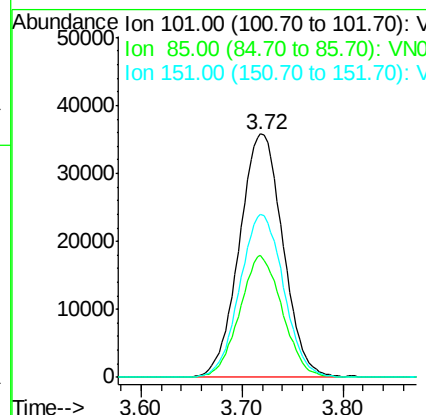
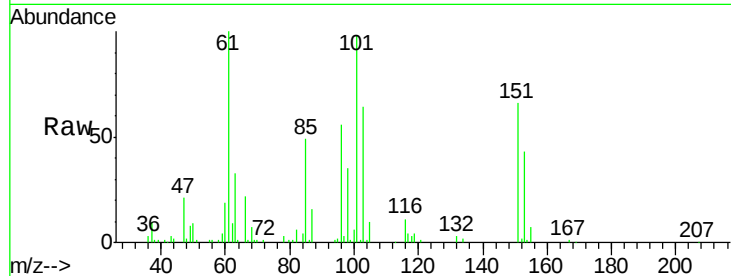
ClientSampleId :

VSTDIC100

Tot Ion:	101	Resp:	107319
Ion Ratio	Lower	Upper	
101	100		
85	48.8	0.0	93.8
151	67.3	0.0	149.6

Manual Integrations
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#10

1,1-Dichloroethene

Concen: 99.741 ug/l

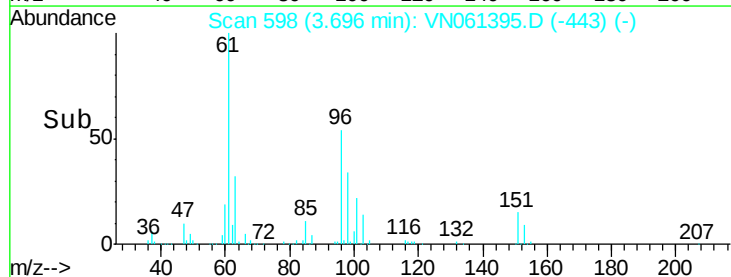
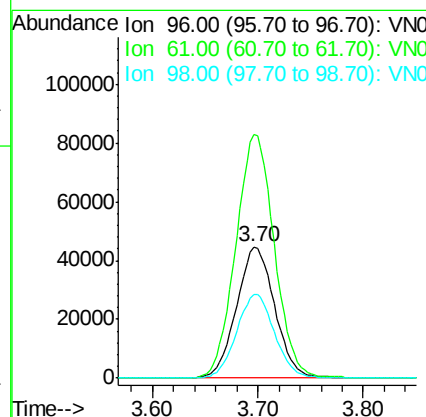
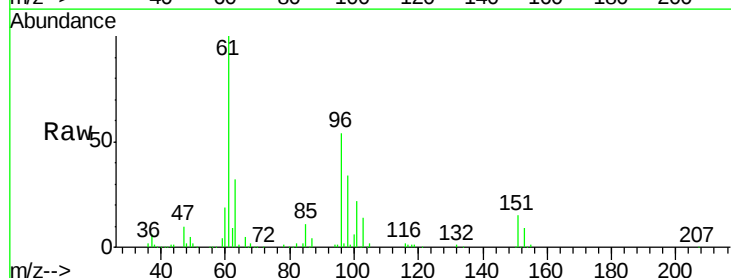
RT: 3.70 min Scan# 598

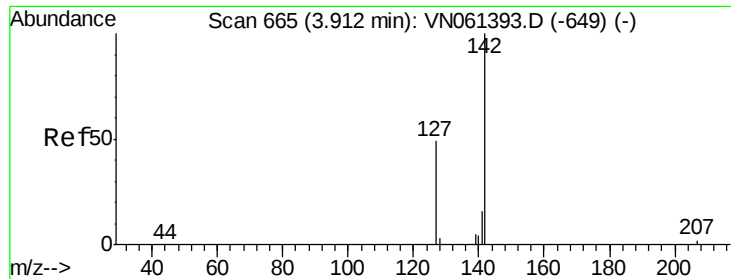
Delta R.T. -0.00 min

Lab File: VN061395.D

Acq: 14 May 2020 15:23

Tgt Ion:	96	Resp:	112456
Ion Ratio	Lower	Upper	
96	100		
61	185.8	148.5	222.7
98	63.6	51.0	76.6





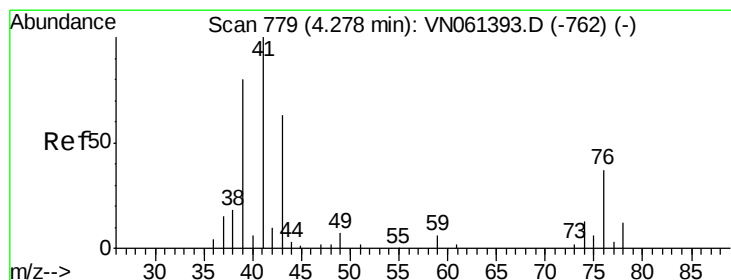
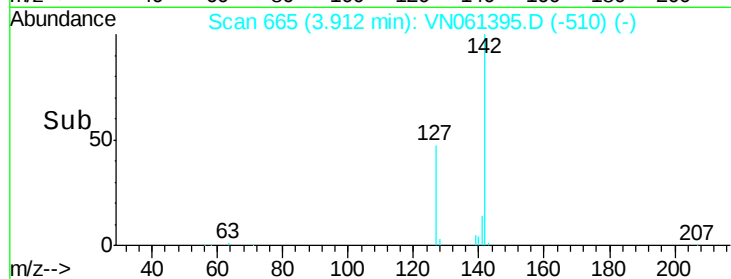
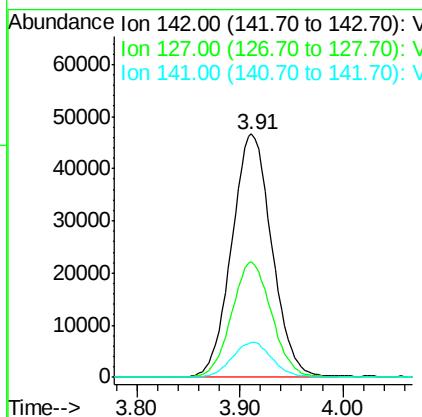
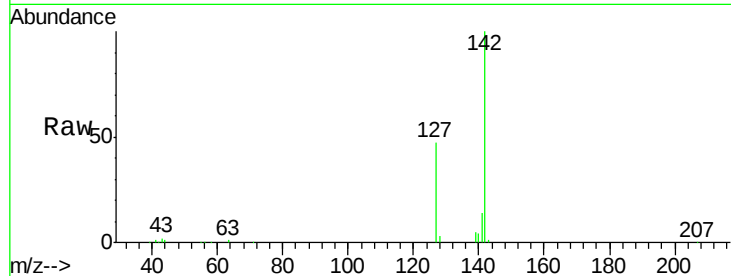
#11
Methvl Iodide
Concen: 84.221 ug/l
RT: 3.91 min Scan# 665
Delta R.T. -0.00 min
Lab File: VN061395.D
Acq: 14 May 2020 15:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
142	100		
127	47.4	23.5	70.6
141	14.4	7.4	22.2

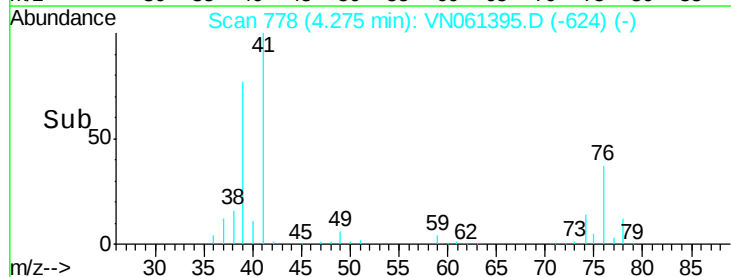
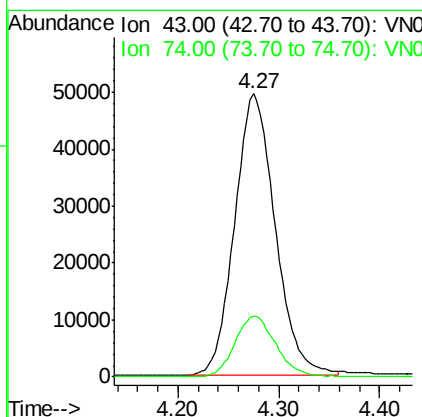
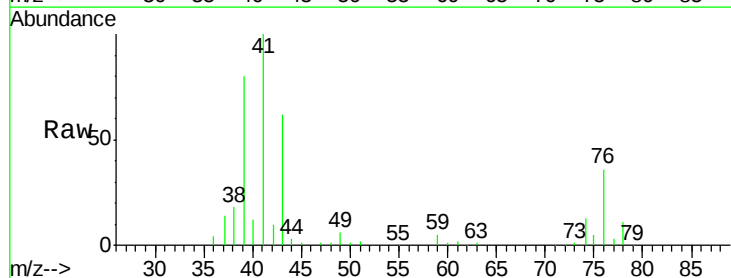
Manual Integrations
APPROVED

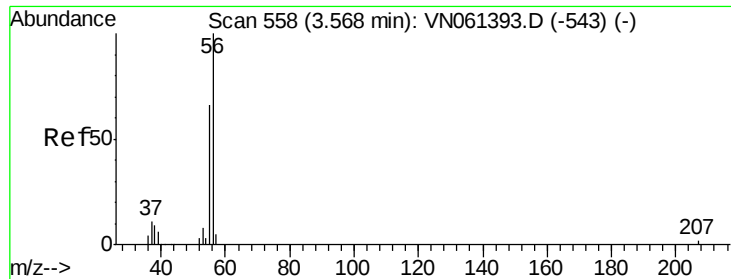
MMDadoda
5/15/2020 2:10:44 PM



#12
Methyl Acetate
Concen: 79.362 ug/l
RT: 4.27 min Scan# 778
Delta R.T. -0.00 min
Lab File: VN061395.D
Acq: 14 May 2020 15:23

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.6	18.1	27.1





#13

Acrolein

Concen: 533.071 ug/l

RT: 3.56 min Scan# 557

Delta R.T. -0.00 min

Lab File: VN061395.D

Acq: 14 May 2020 15:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 56 Resp: 110223

Ion Ratio Lower Upper

56 100

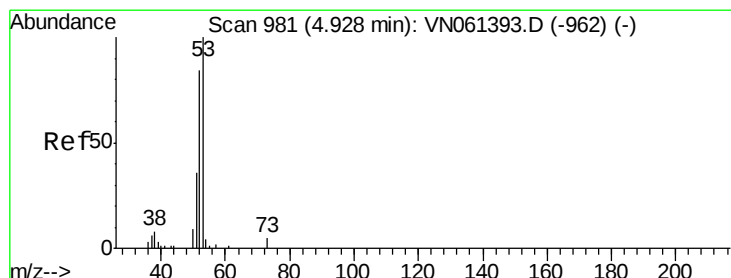
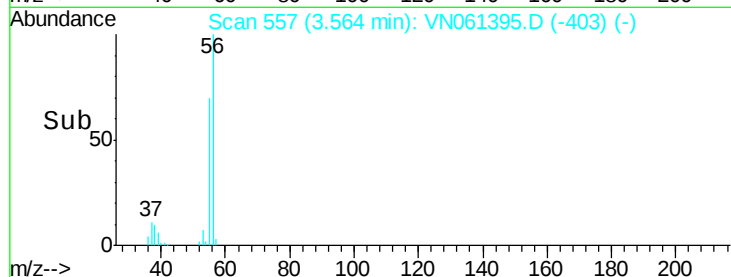
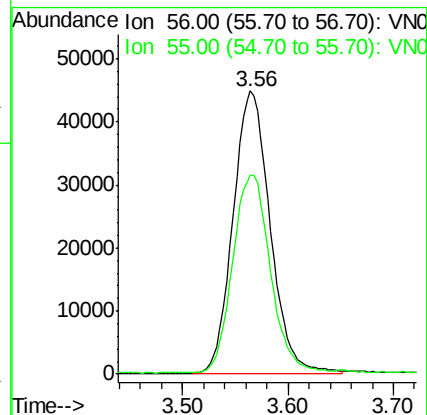
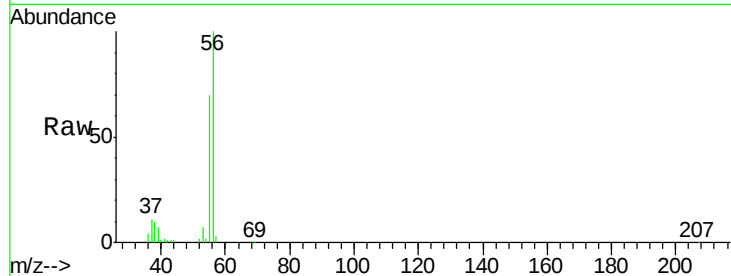
55 70.1 55.9 83.9

Manual Integrations

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#14

Acrylonitrile

Concen: 459.381 ug/l

RT: 4.93 min Scan# 981

Delta R.T. -0.00 min

Lab File: VN061395.D

Acq: 14 May 2020 15:23

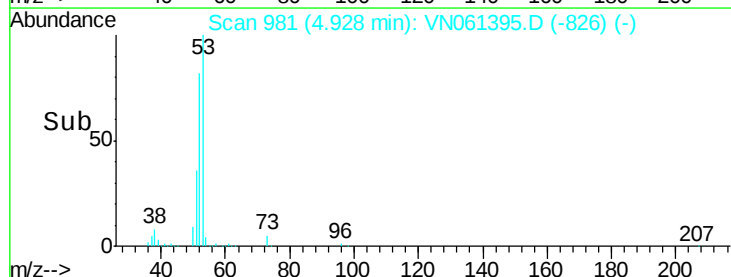
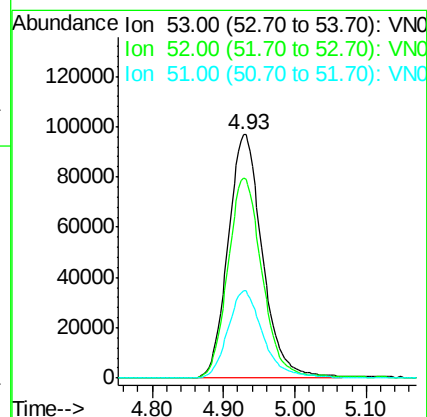
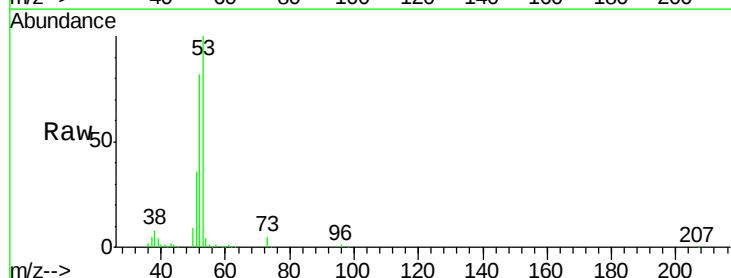
Tgt Ion: 53 Resp: 324858

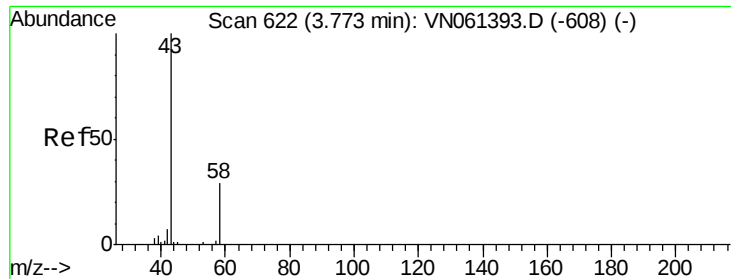
Ion Ratio Lower Upper

53 100

52 82.0 42.2 126.6

51 36.8 18.8 56.4





#15

Acetone

Concen: 371.663 ug/l

RT: 3.77 min Scan# 621

Delta R.T. -0.00 min

Lab File: VN061395.D

Acq: 14 May 2020 15:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 58 Resp: 75421

Ion Ratio Lower Upper

58 100

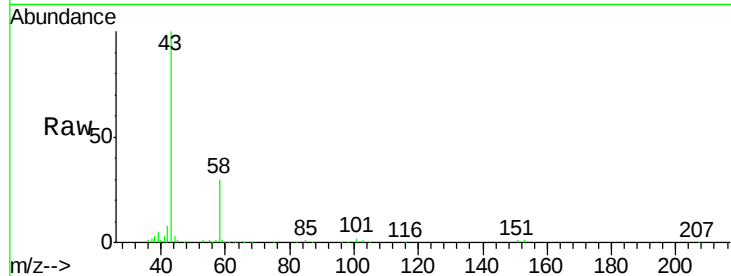
43 332.1 281.7 422.5

Manual Integrations

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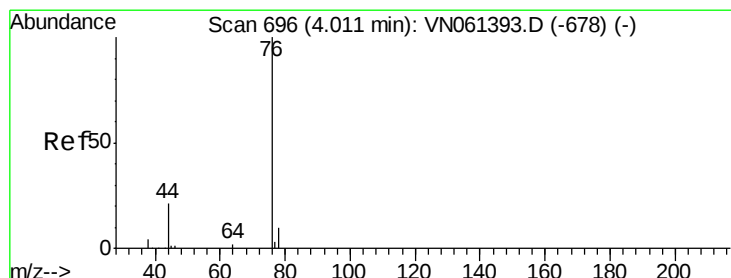
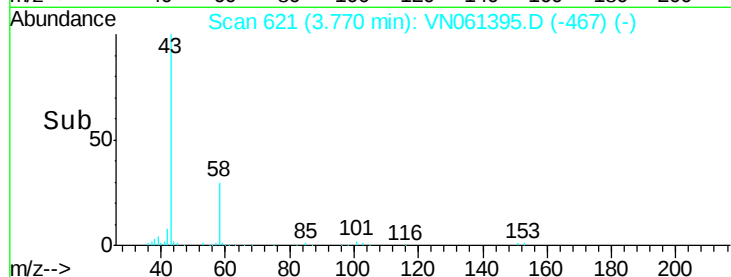
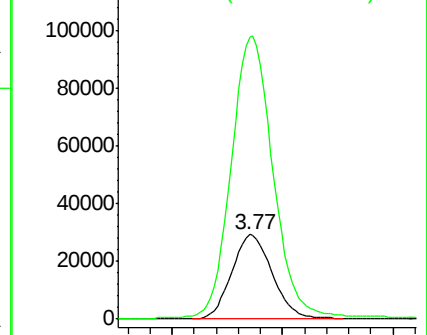
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Abundance Ion 58.00 (57.70 to 58.70): VN0

Ion 43.00 (42.70 to 43.70): VN0



#16

Carbon Disulfide

Concen: 85.915 ug/l

RT: 4.01 min Scan# 696

Delta R.T. -0.00 min

Lab File: VN061395.D

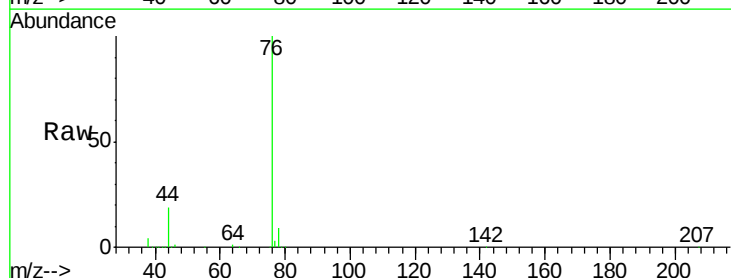
Acq: 14 May 2020 15:23

Tgt Ion: 76 Resp: 286782

Ion Ratio Lower Upper

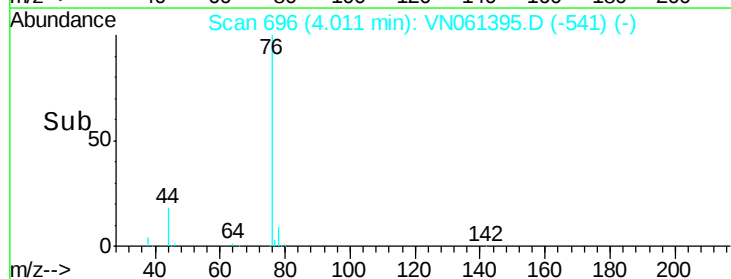
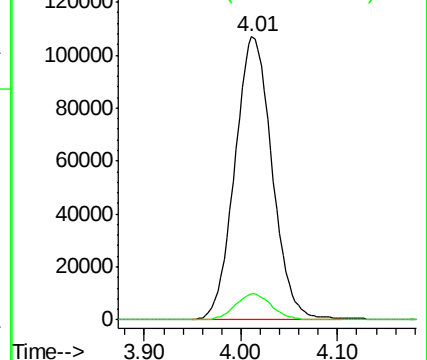
76 100

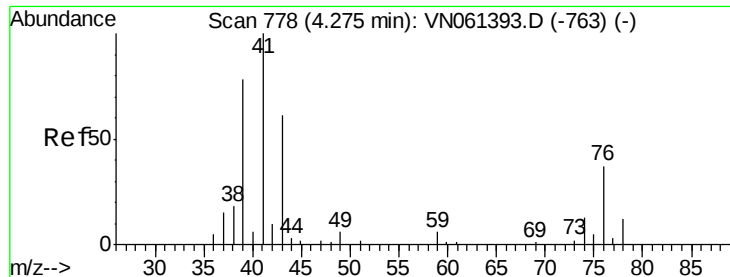
78 9.1 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0





#17

Allvl chloride

Concen: 100.120 ug/l

RT: 4.28 min Scan# 779

Delta R.T. 0.00 min

Lab File: VN061395.D

Acq: 14 May 2020 15:23

Instrument :

MSVOA_N

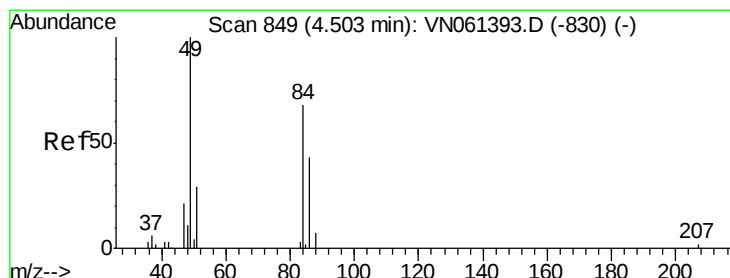
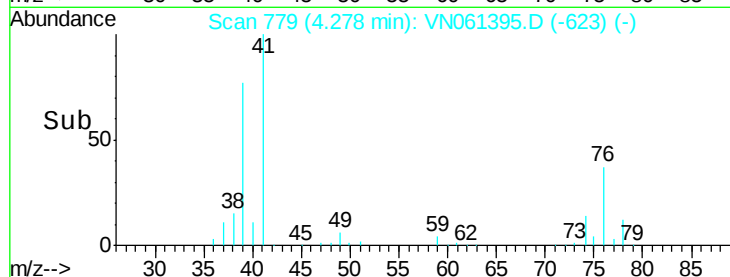
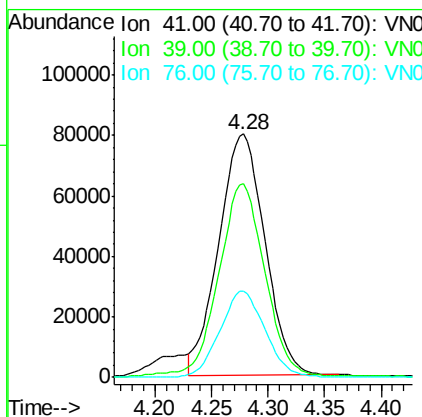
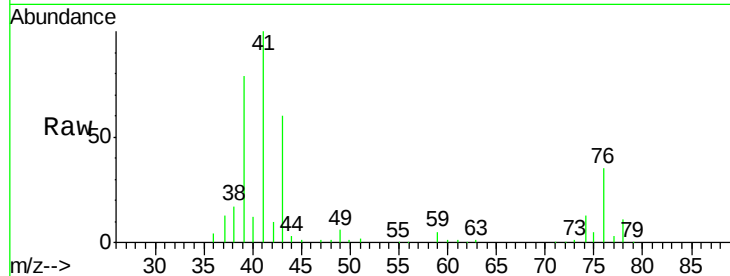
ClientSampleId :

VSTDIC100

Tot Ion:	41	Resp:	226813
Ion	Ratio	Lower	Upper
41	100		
39	79.4	39.6	118.8
76	35.6	17.6	52.9

Manual Integrations
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#18

Methylene Chloride

Concen: 99.790 ug/l

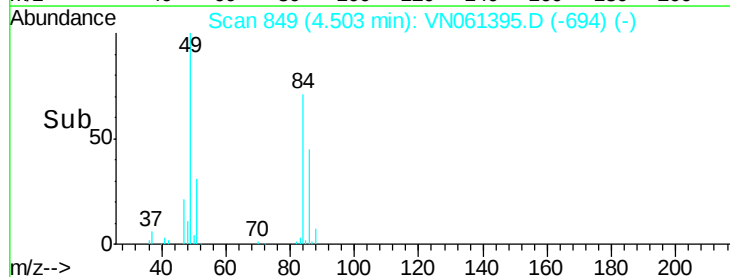
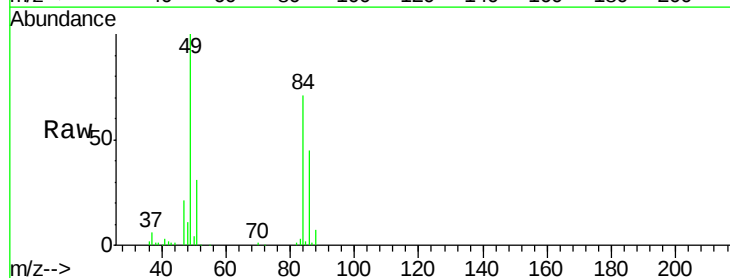
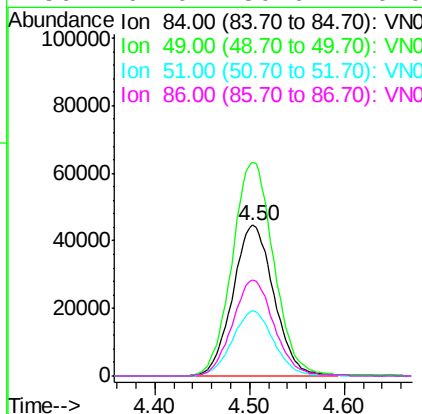
RT: 4.50 min Scan# 849

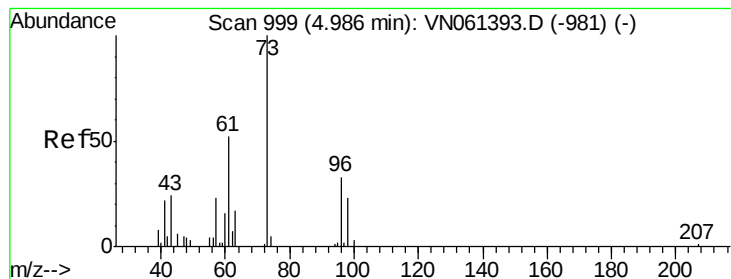
Delta R.T. -0.00 min

Lab File: VN061395.D

Acq: 14 May 2020 15:23

Tgt Ion:	84	Resp:	135330
Ion	Ratio	Lower	Upper
84	100		
49	141.2	106.6	160.0
51	43.2	32.4	48.6
86	64.0	50.6	76.0





#19

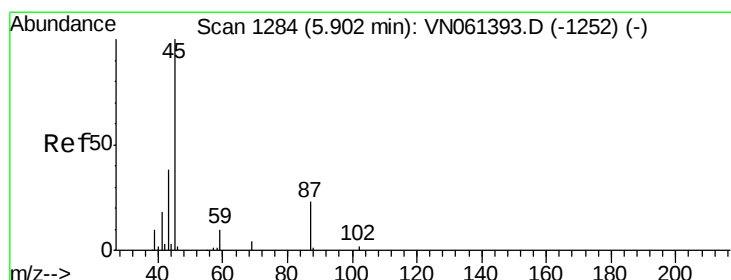
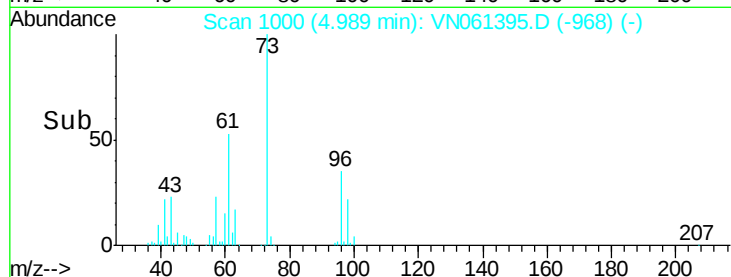
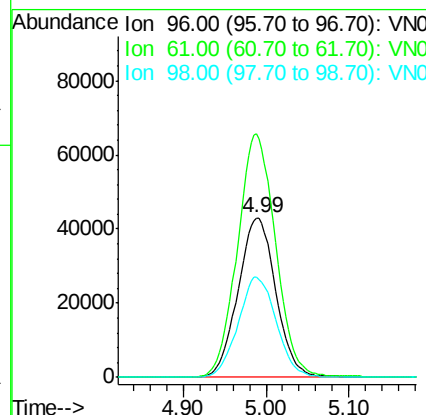
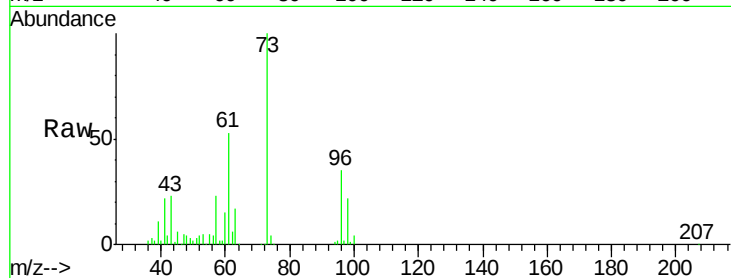
trans-1,2-Dichloroethene
Concen: 109.819 ug/l
RT: 4.99 min Scan# 1000
Delta R.T. 0.00 min
Lab File: VN061395.D
Acq: 14 May 2020 15:23

Instrument :
MSVOA_N
ClientSampled :
VSTDIC100

Tot Ion	Ion	Ratio	Lower	Upper
96	100			
61	152.5	131.8	197.6	
98	62.4	52.6	79.0	

Manual Integrations
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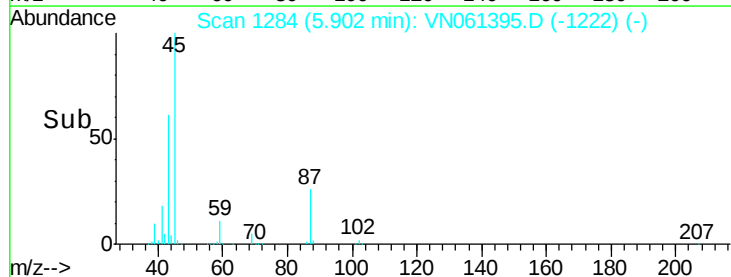
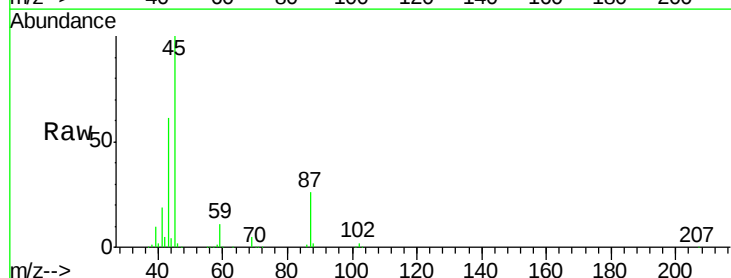
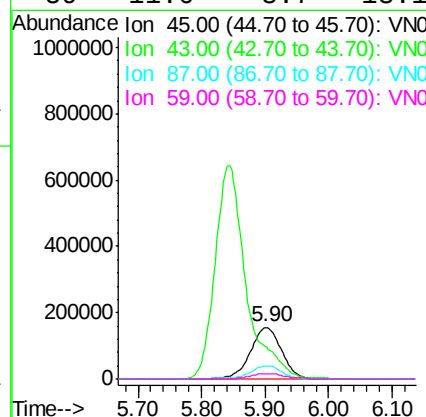
MMDadoda
5/15/2020 2:10:44 PM

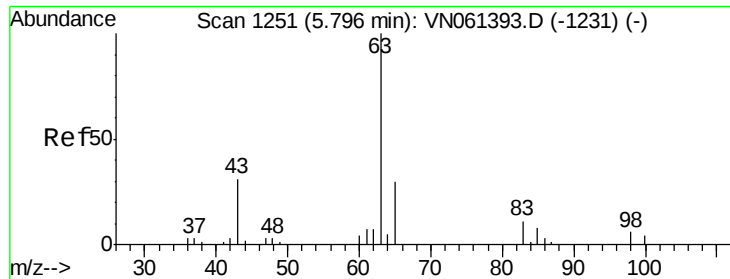


#20

Diisopropyl ether
Concen: 111.917 ug/l
RT: 5.90 min Scan# 1284
Delta R.T. -0.00 min
Lab File: VN061395.D
Acq: 14 May 2020 15:23

Tgt Ion	Ion	Ratio	Lower	Upper
45	100			
43	60.3	54.7	82.1	
87	25.7	21.5	32.3	
59	11.0	8.7	13.1	





#21

1,1-Dichloroethane

Concen: 108.010 ug/l

RT: 5.80 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VN061395.D

Acq: 14 May 2020 15:23

Instrument :

MSVOA_N

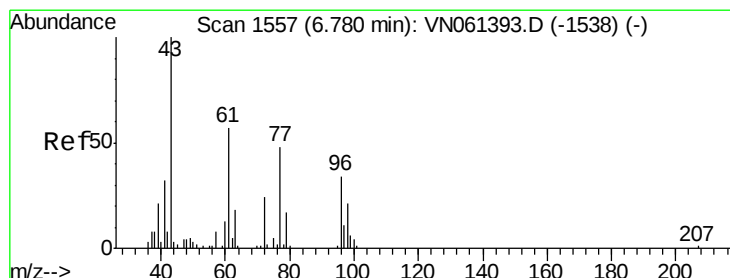
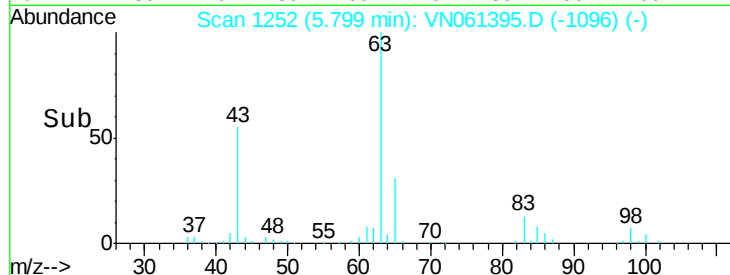
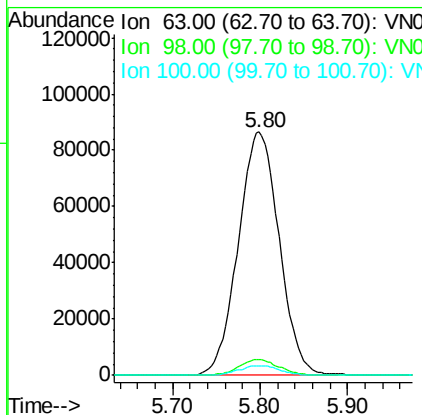
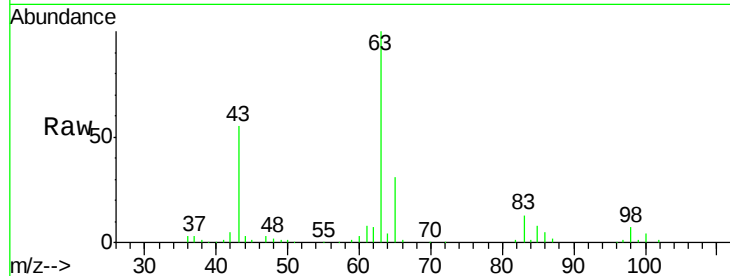
ClientSampleId :

VSTDIC100

Tot Ion	Ion	Ratio	Resp	Lower	Upper
63	100		280087		
98	6.5		2.9	8.6	
100	3.9		1.8	5.5	

Manual Integrations
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5/15/2020 2:10:44 PM



#22

cis-1,2-Dichloroethene

Concen: 107.866 ug/l

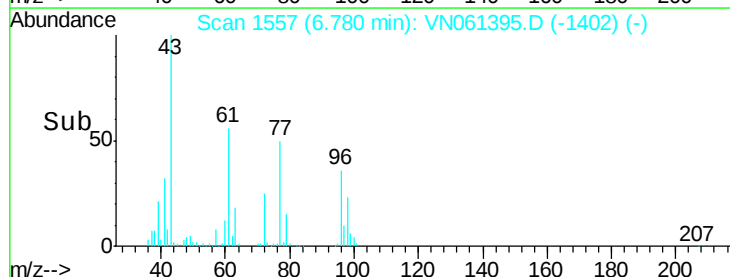
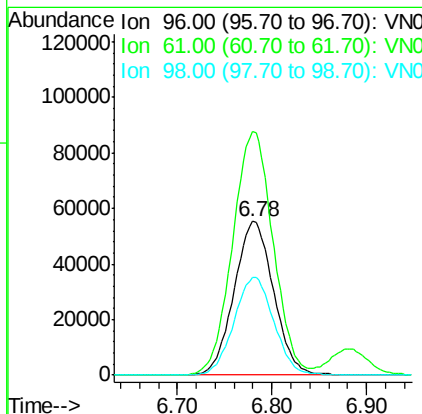
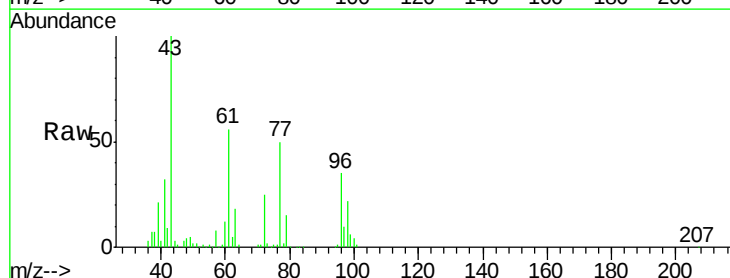
RT: 6.78 min Scan# 1557

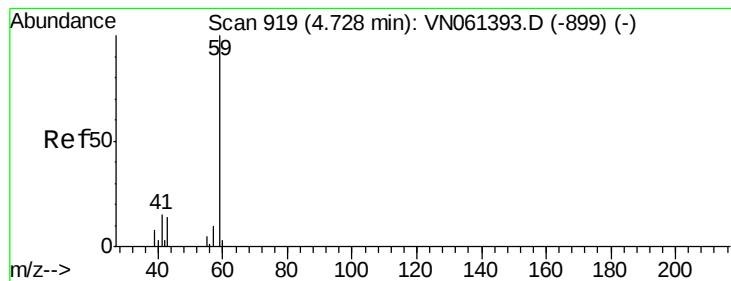
Delta R.T. -0.00 min

Lab File: VN061395.D

Acq: 14 May 2020 15:23

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
96	100		160474		
61	162.4		127.2	190.8	
98	64.5		50.5	75.7	





#23

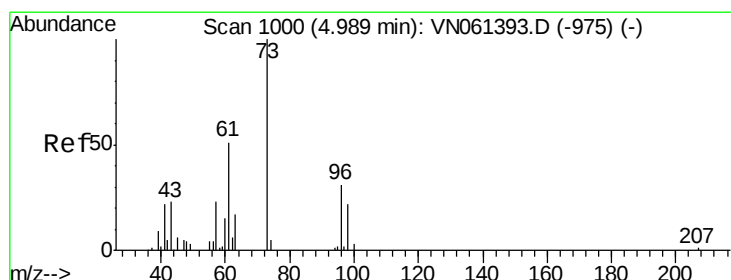
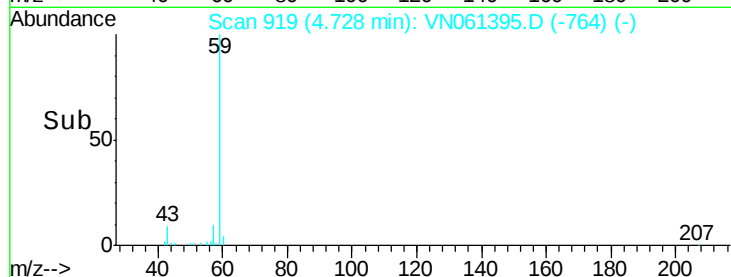
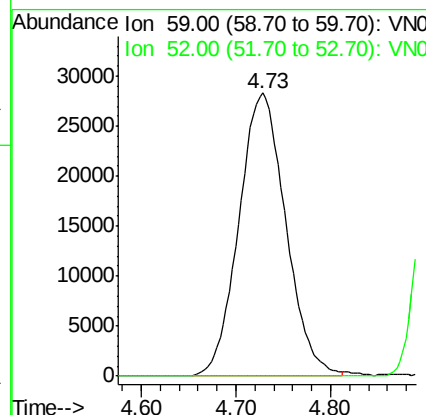
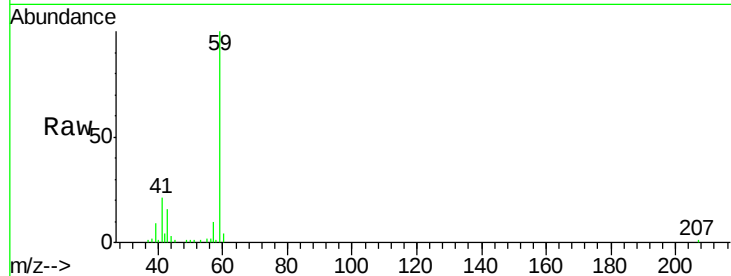
tert-Butyl Alcohol
Concen: 350.445 ug/l
RT: 4.73 min Scan# 919
Delta R.T. -0.00 min
Lab File: VN061395.D
Acq: 14 May 2020 15:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	59	52	Ratio	Lower	Upper
59	100	0.0	0.0	0.0	0.0

Manual Integrations
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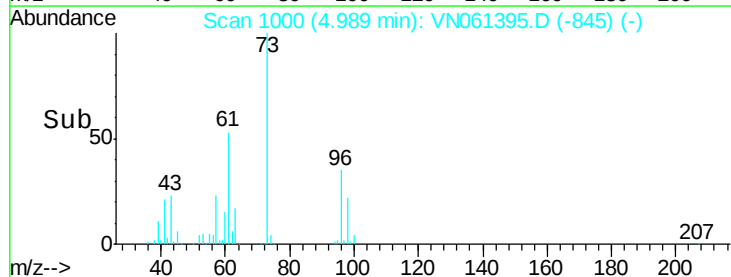
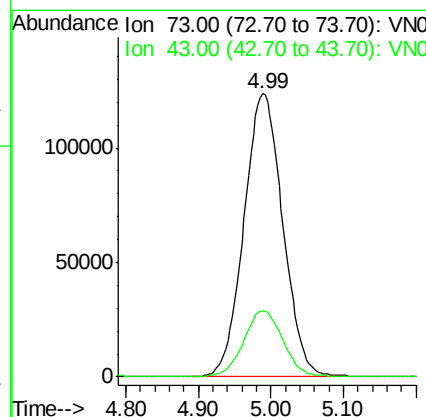
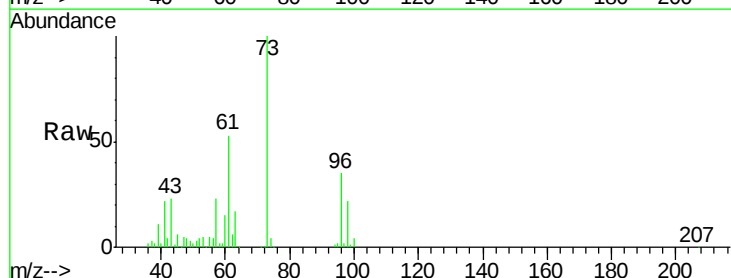
MMDadoda
5/15/2020 2:10:44 PM

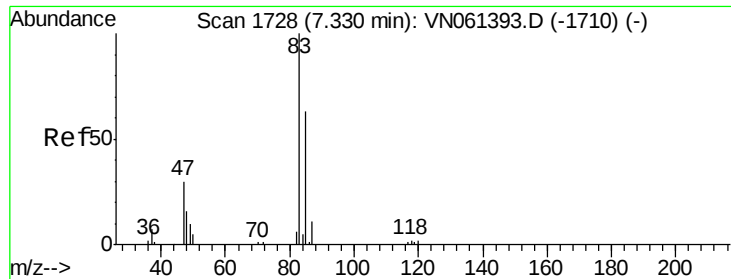


#24

Methyl tert-Butyl Ether
Concen: 107.385 ug/l
RT: 4.99 min Scan# 1000
Delta R.T. -0.00 min
Lab File: VN061395.D
Acq: 14 May 2020 15:23

Tgt Ion	73	43	Ratio	Lower	Upper
73	100	23.1	17.9	26.9	





#25

Chloroform

Concen: 106.180 ug/l

RT: 7.33 min Scan# 1728

Delta R.T. -0.00 min

Lab File: VN061395.D

Acq: 14 May 2020 15:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 83 Resp: 272128

Ion Ratio Lower Upper

83 100

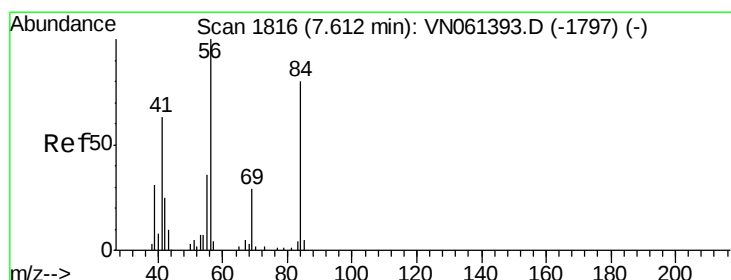
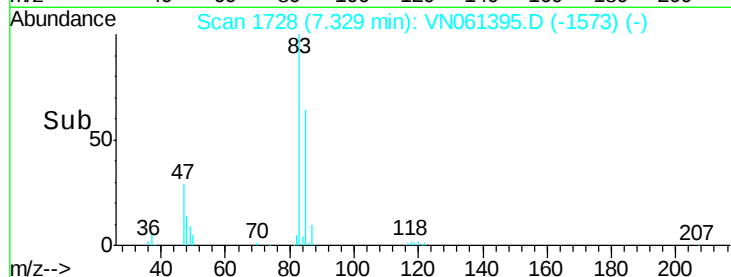
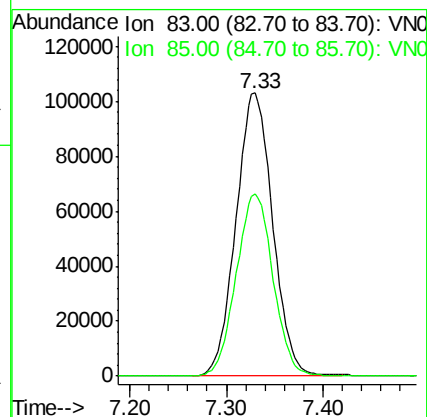
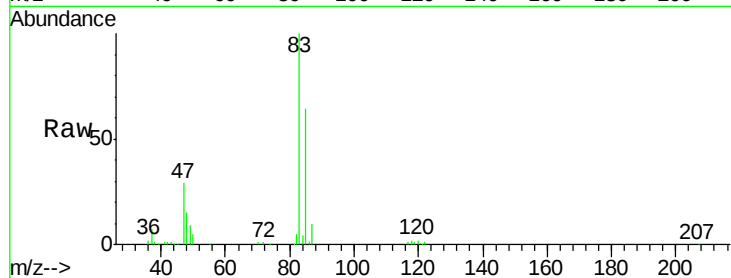
85 64.3 53.8 80.8

Manual Integrations

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#26

Cyclohexane

Concen: 112.848 ug/l

RT: 7.61 min Scan# 1816

Delta R.T. -0.00 min

Lab File: VN061395.D

Acq: 14 May 2020 15:23

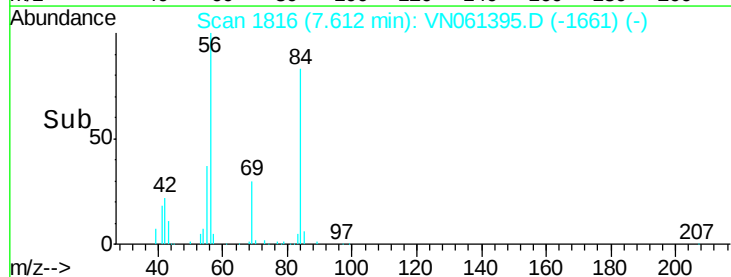
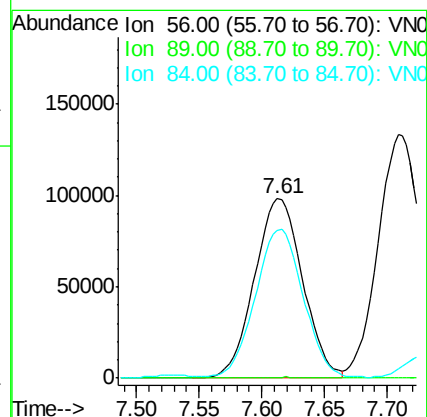
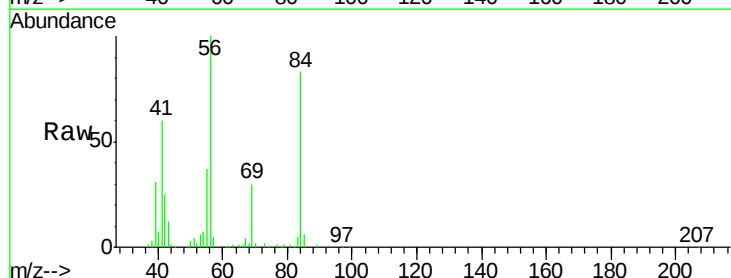
Tgt Ion: 56 Resp: 262670

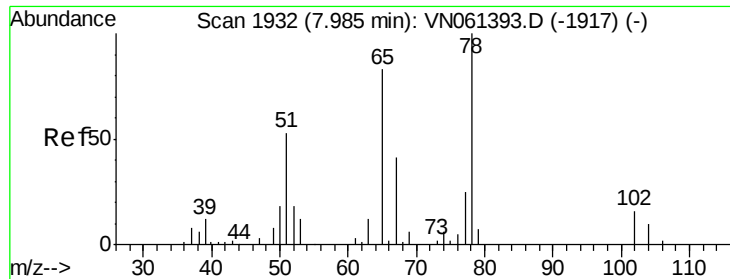
Ion Ratio Lower Upper

56 100

89 0.5 6.2 9.2#

84 82.7 65.6 98.4





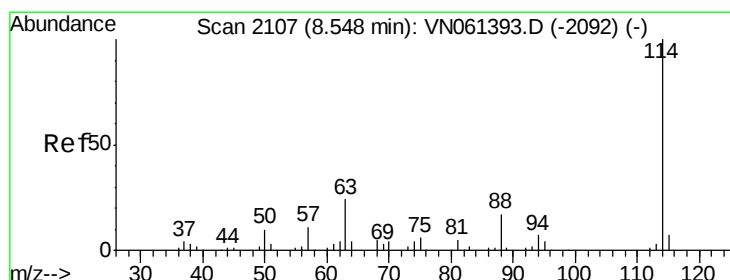
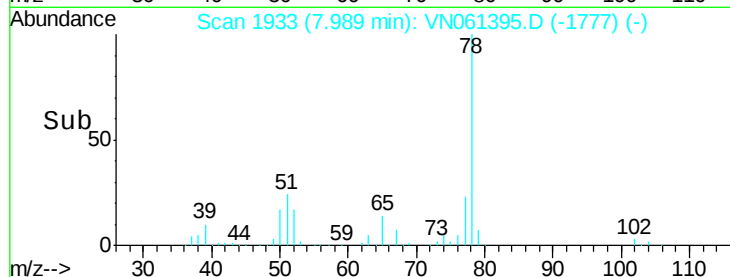
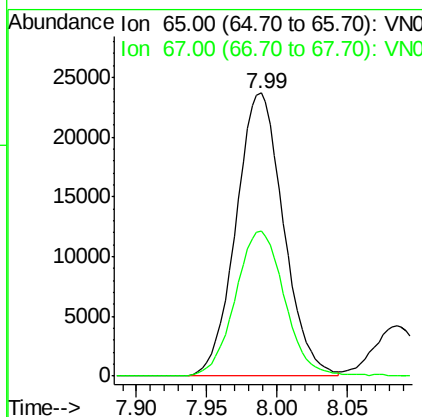
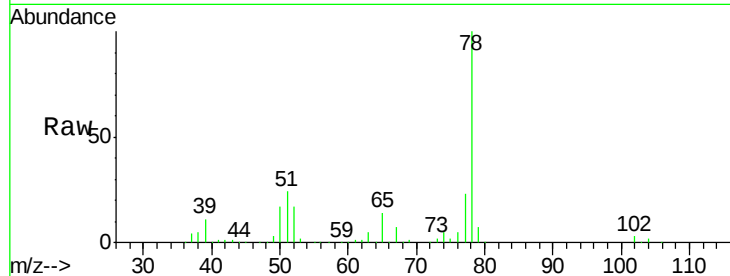
#27
 1,2-Dichloroethane-d4
 Concen: 29.986 ug/l
 RT: 7.99 min Scan# 1933
 Delta R.T. 0.00 min
 Lab File: VN061395.D
 Acq: 14 May 2020 15:23

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	53.0		41.5	62.3

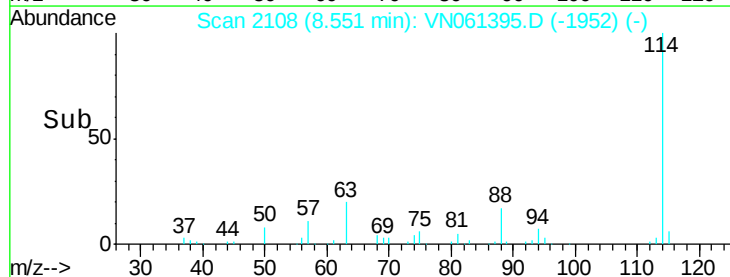
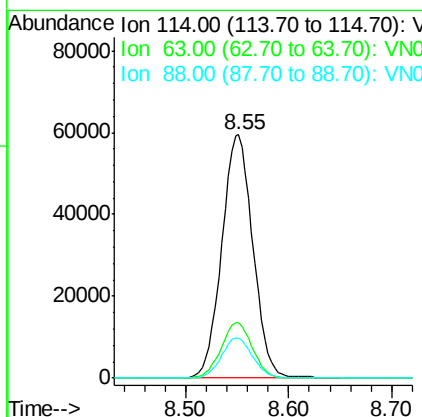
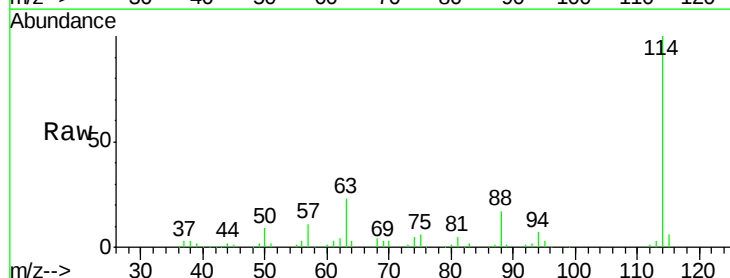
Manual Integrations
 APPROVED

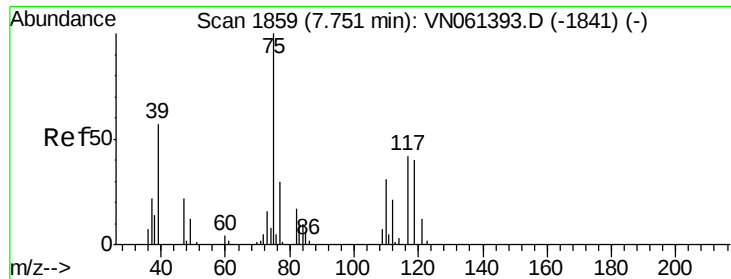
MMDadoda
 5/15/2020 2:10:44 PM



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. 0.00 min
 Lab File: VN061395.D
 Acq: 14 May 2020 15:23

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	22.9		18.1	27.1
88	16.5		13.0	19.4





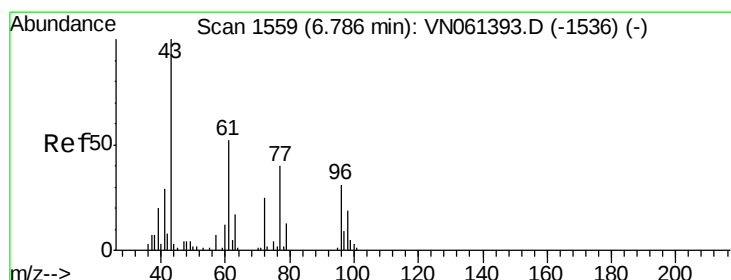
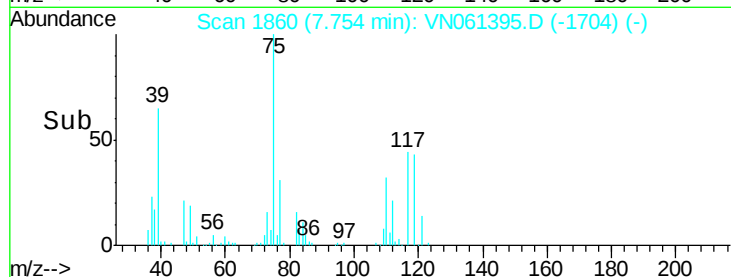
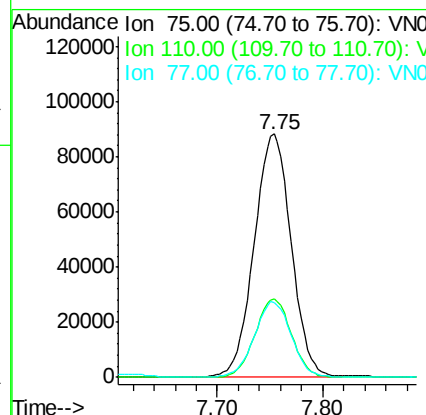
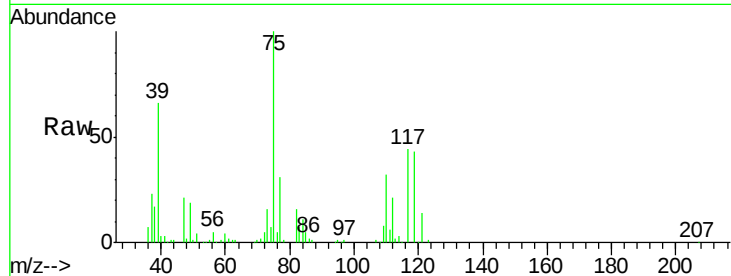
#29
 1,1-Dichloropropene
 Concen: 108.060 ug/l
 RT: 7.75 min Scan# 1860
 Delta R.T. 0.00 min
 Lab File: VN061395.D
 Acq: 14 May 2020 15:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
75	100	216221		
110	31.7	0.0	64.6	
77	31.1	0.0	60.8	

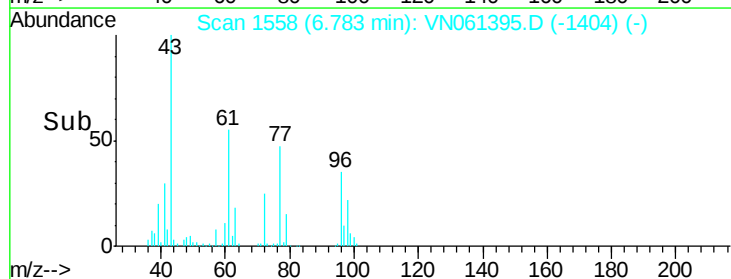
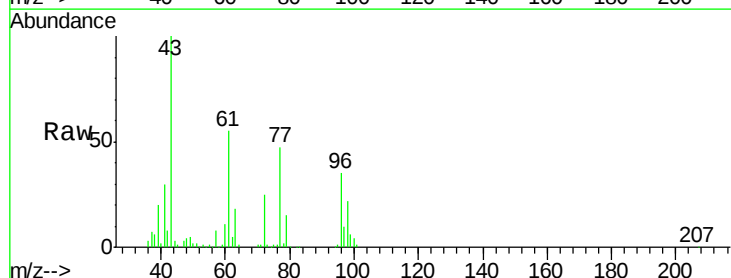
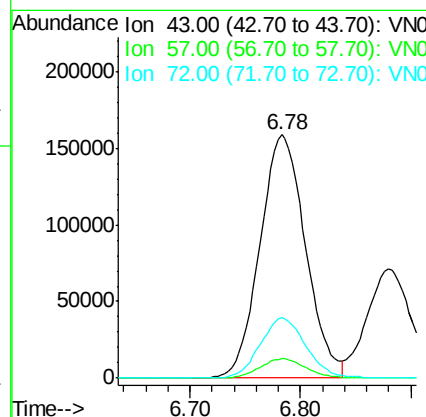
Manual Integrations
 APPROVED

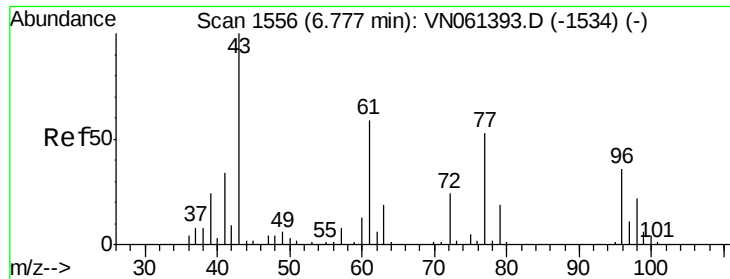
MMDadoda
 5/15/2020 2:10:44 PM



#30
 2-Butanone
 Concen: 419.124 ug/l
 RT: 6.78 min Scan# 1558
 Delta R.T. -0.00 min
 Lab File: VN061395.D
 Acq: 14 May 2020 15:23

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	452420		
57	8.2	6.5	9.7	
72	25.1	20.1	30.1	





#31

2,2-Dichloropropane

Concen: 106.770 ug/l

RT: 6.78 min Scan# 1556

Delta R.T. -0.00 min

Lab File: VN061395.D

Acq: 14 May 2020 15:23

Instrument :

MSVOA_N

ClientSampled :

VSTDIC100

Tot Ion: 77 Resp: 252374

Ion Ratio Lower Upper

77 100

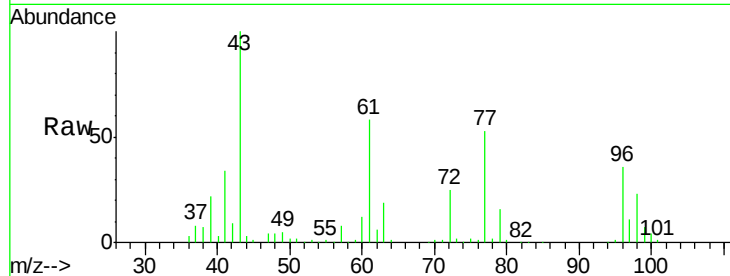
97 20.6 17.9 26.9

Manual Integrations

APPROVED

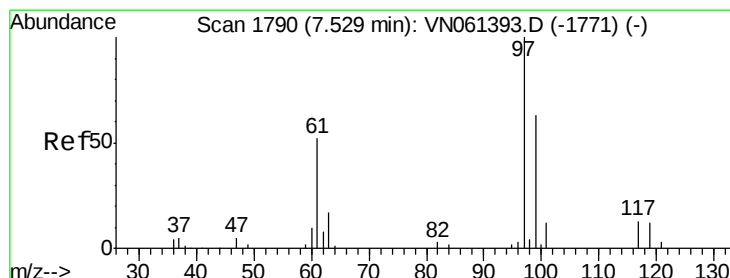
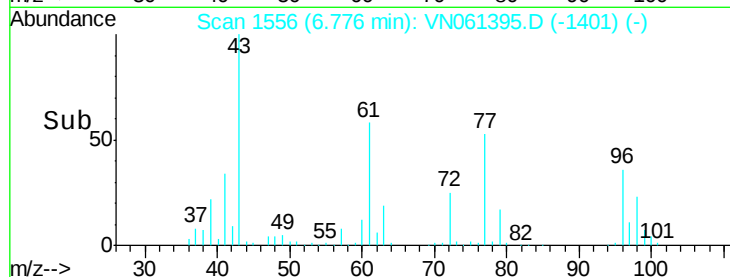
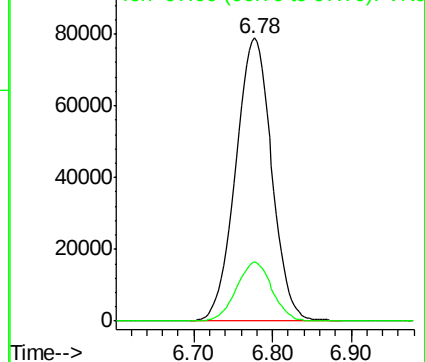
MMDadoda

5/15/2020 2:10:44 PM



Abundance Ion 77.00 (76.70 to 77.70): VN0

Ion 97.00 (96.70 to 97.70): VN0



#32

1,1,1-Trichloroethane

Concen: 106.997 ug/l

RT: 7.53 min Scan# 1790

Delta R.T. -0.00 min

Lab File: VN061395.D

Acq: 14 May 2020 15:23

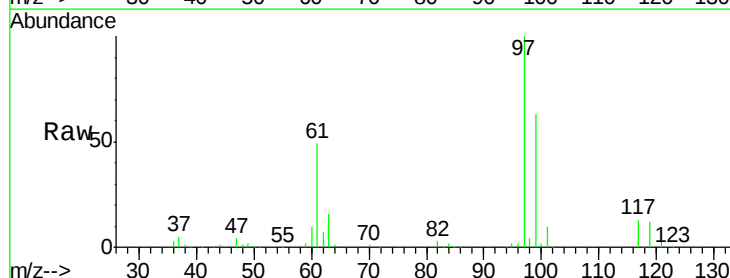
Tgt Ion: 97 Resp: 244133

Ion Ratio Lower Upper

97 100

99 63.8 51.3 76.9

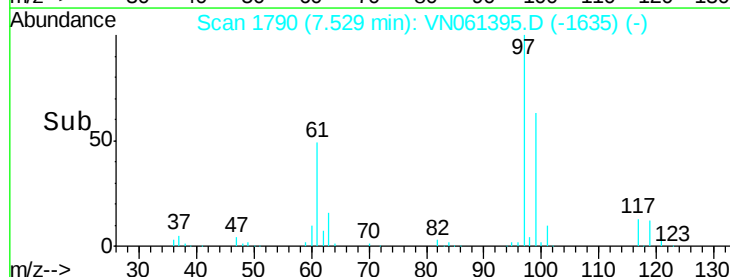
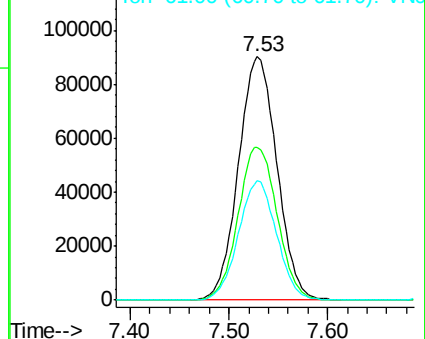
61 48.7 38.4 57.6

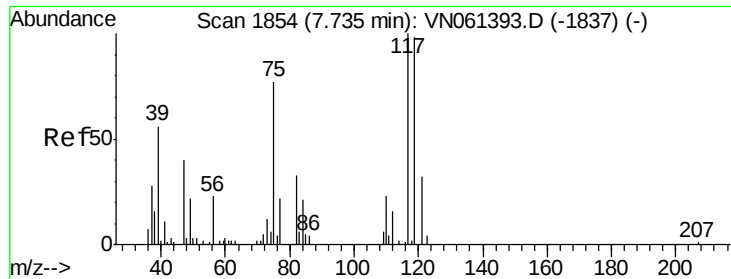


Abundance Ion 97.00 (96.70 to 97.70): VN0

Ion 99.00 (98.70 to 99.70): VN0

Ion 61.00 (60.70 to 61.70): VN0





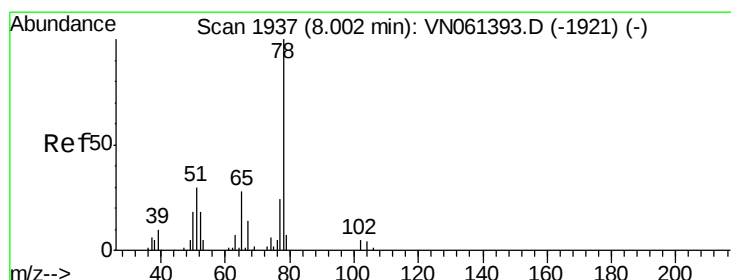
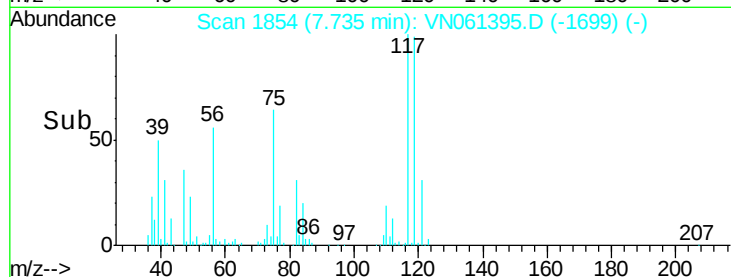
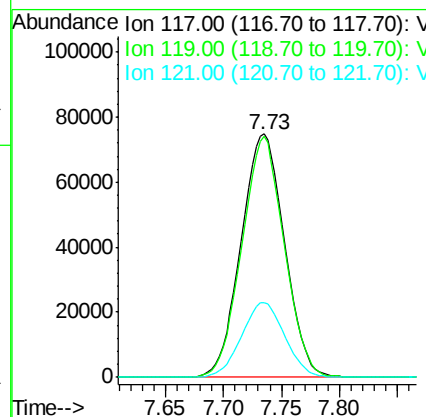
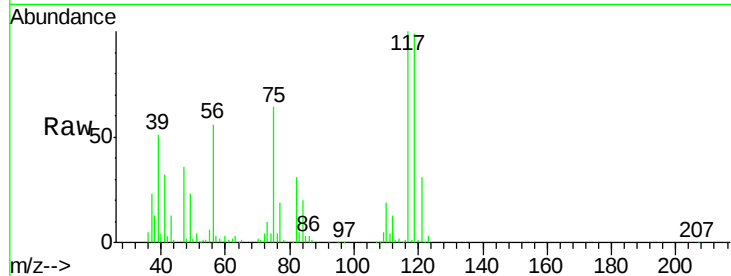
#33
Carbon Tetrachloride
Concen: 101.452 ug/l
RT: 7.73 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VN061395.D
Acq: 14 May 2020 15:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
117	100		
119	98.8	76.9	115.3
121	30.8	23.8	35.8

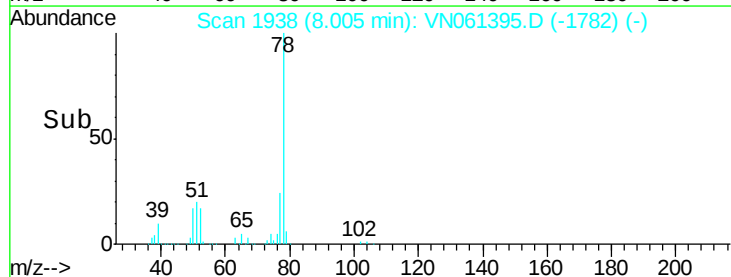
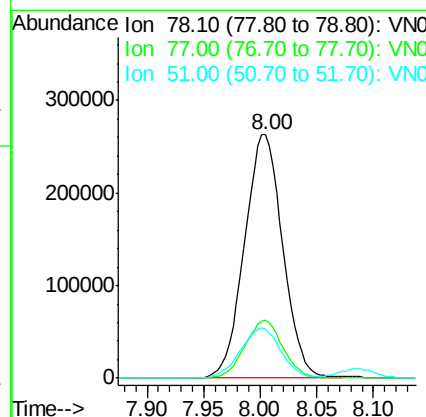
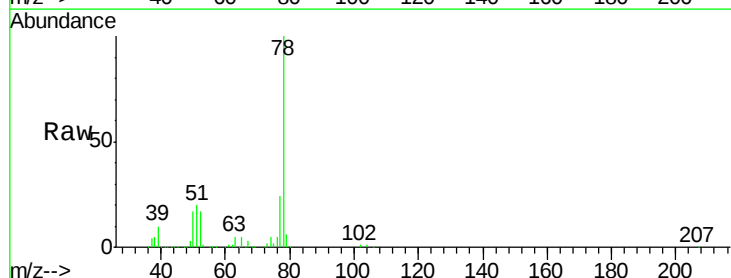
Manual Integrations
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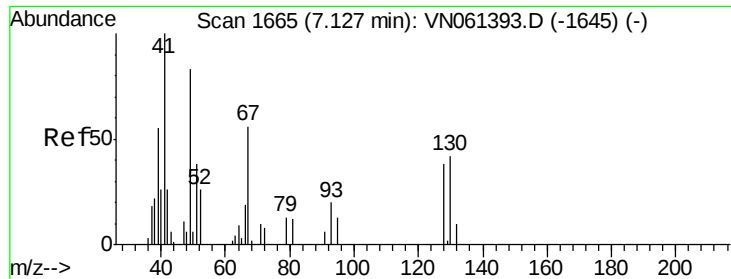
MMDadoda
5/15/2020 2:10:44 PM



#34
Benzene
Concen: 106.096 ug/l
RT: 8.00 min Scan# 1938
Delta R.T. 0.00 min
Lab File: VN061395.D
Acq: 14 May 2020 15:23

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.7	19.2	28.8
51	20.0	22.1	33.1#





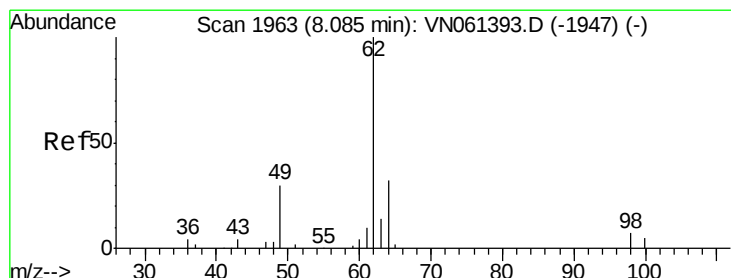
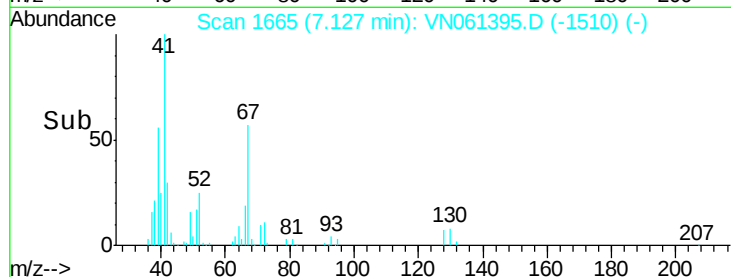
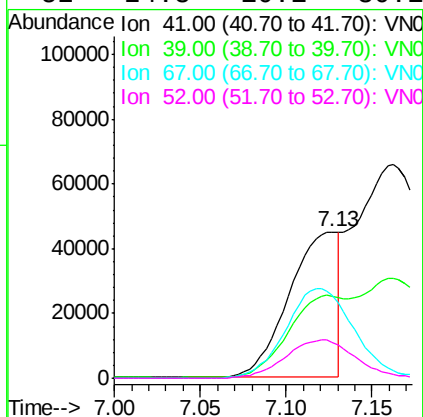
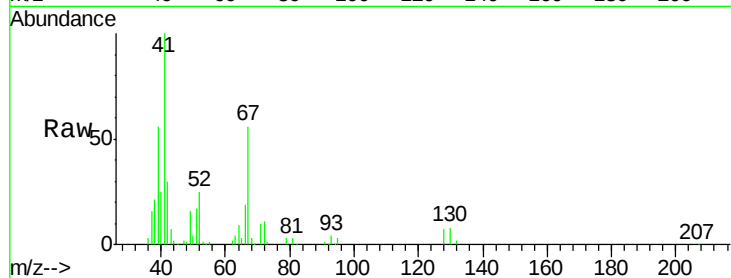
#35
Methacrylonitrile
Concen: 88.268 ug/l
RT: 7.13 min Scan# 1665
Delta R.T. -0.00 min
Lab File: VN061395.D
Acq: 14 May 2020 15:23

Instrument :
MSVOA_N
ClientSampleID :
VSTDIC100

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		89349		
39	56.1	25.8	77.4		
67	56.8	23.0	69.0		
52	24.8	10.1	30.1		

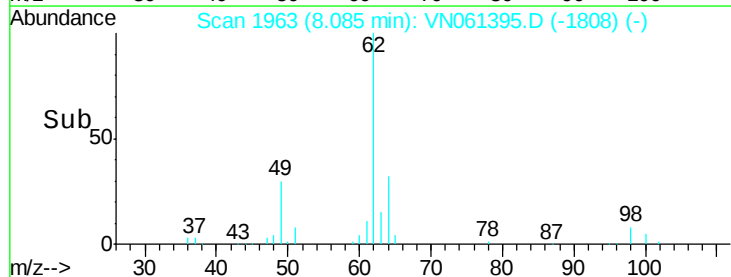
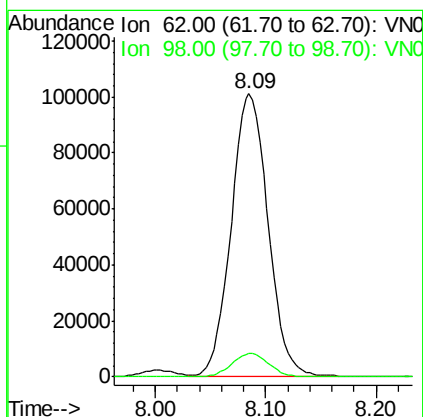
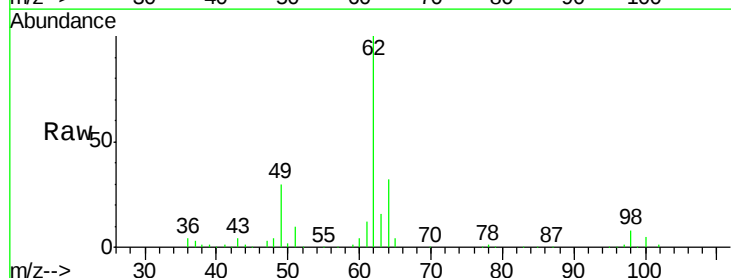
Manual Integrations
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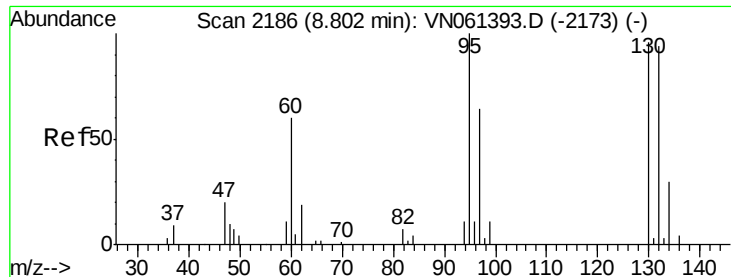
MMDadoda
5/15/2020 2:10:44 PM



#36
1,2-Dichloroethane
Concen: 104.470 ug/l
RT: 8.09 min Scan# 1963
Delta R.T. -0.00 min
Lab File: VN061395.D
Acq: 14 May 2020 15:23

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		233288		
98	8.3	6.4	9.6		





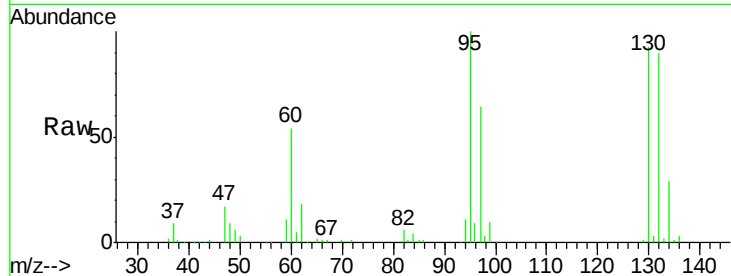
#37
 Trichloroethene
 Concen: 108.265 ug/l
 RT: 8.80 min Scan# 2186
 Delta R.T. -0.00 min
 Lab File: VN061395.D
 Acq: 14 May 2020 15:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

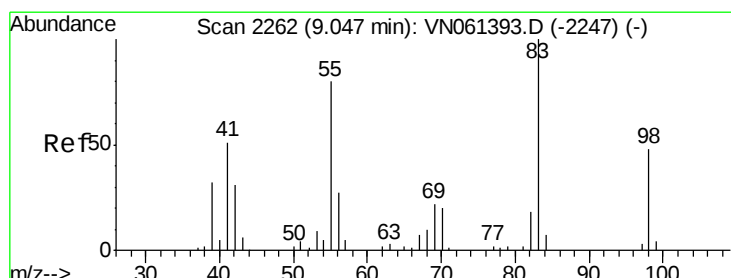
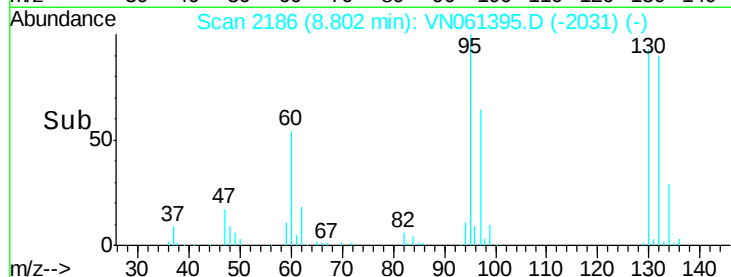
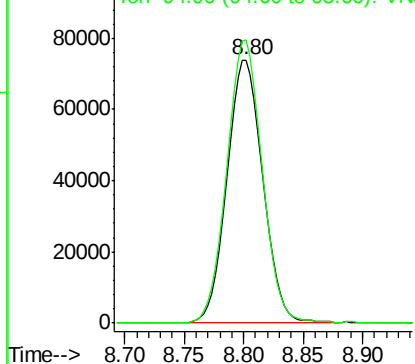
Tot Ion:130 Resp: 154646
 Ion Ratio Lower Upper
 130 100
 95 107.2 83.2 124.8

Manual Integrations
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 5/15/2020 2:10:44 PM

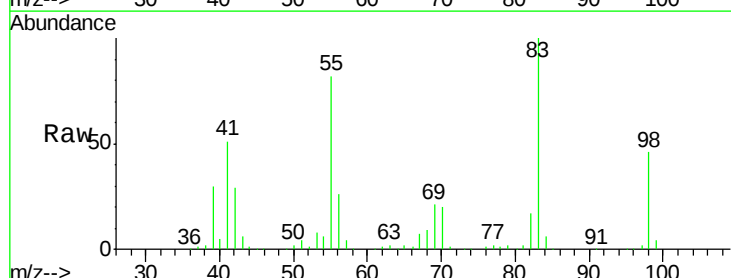


Abundance Ion 129.90 (129.60 to 130.60): V
 Ion 94.90 (94.60 to 95.60): VN

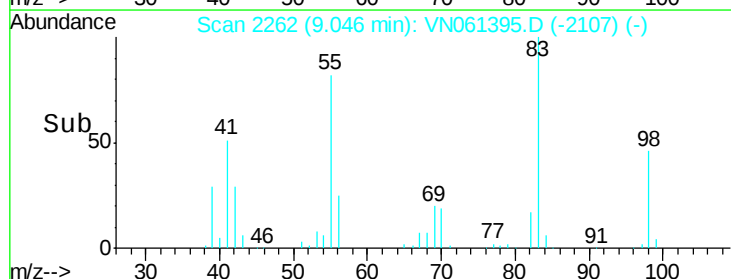
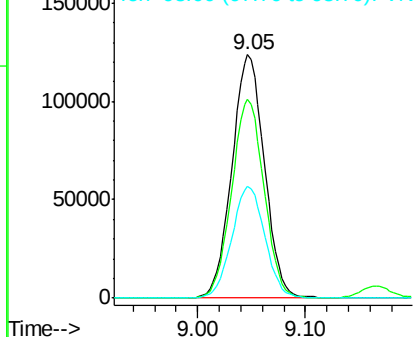


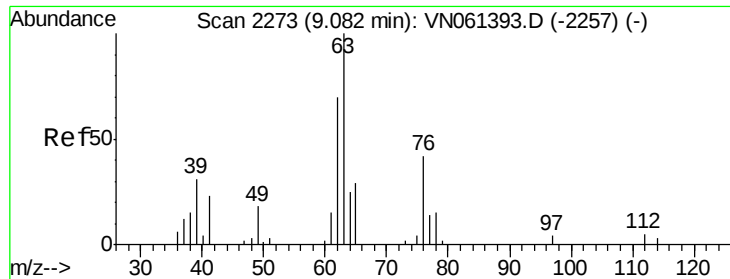
#38
 Methylcyclohexane
 Concen: 110.915 ug/l
 RT: 9.05 min Scan# 2262
 Delta R.T. -0.00 min
 Lab File: VN061395.D
 Acq: 14 May 2020 15:23

Tgt Ion: 83 Resp: 259913
 Ion Ratio Lower Upper
 83 100
 55 81.2 40.4 121.1
 98 46.8 21.6 65.0



Abundance Ion 83.00 (82.70 to 83.70): VN
 Ion 55.00 (54.70 to 55.70): VN
 Ion 98.00 (97.70 to 98.70): VN





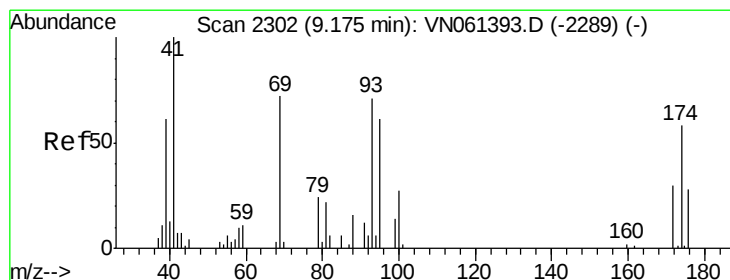
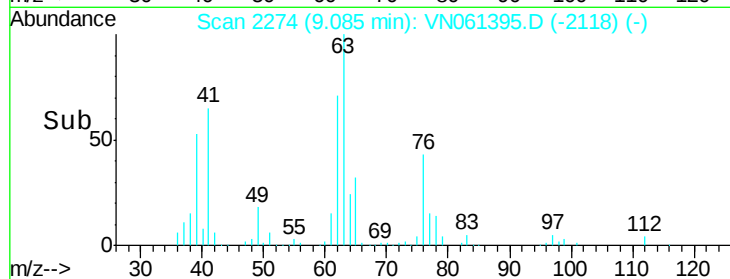
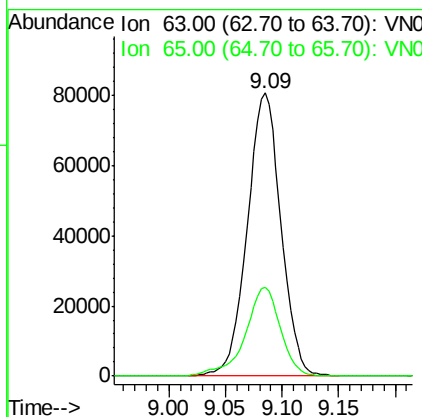
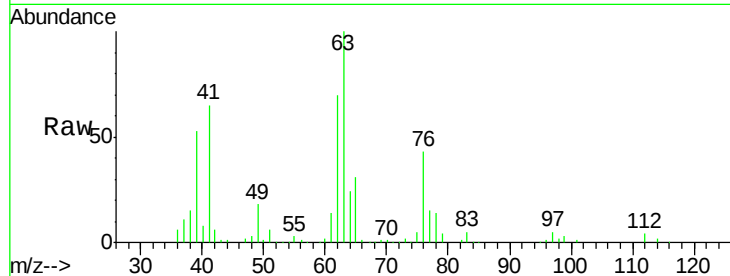
#39
 1,2-Dichloropropane
 Concen: 104.336 ug/l
 RT: 9.09 min Scan# 2274
 Delta R.T. 0.00 min
 Lab File: VN061395.D
 Acq: 14 May 2020 15:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.2	23.8	35.6

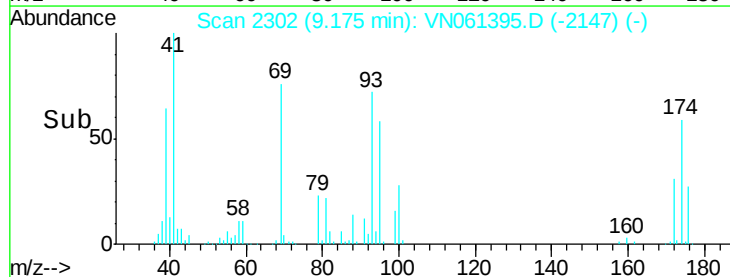
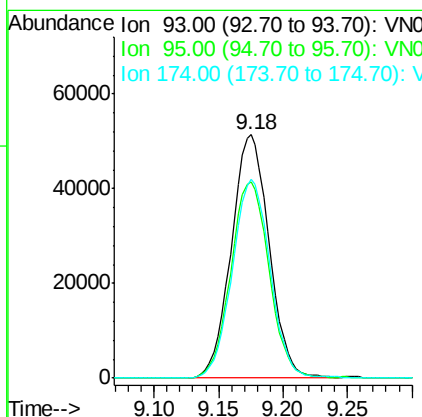
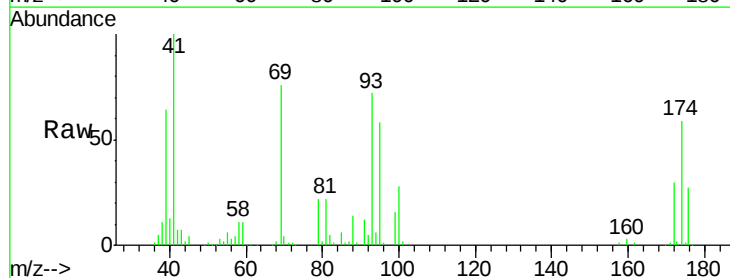
Manual Integrations
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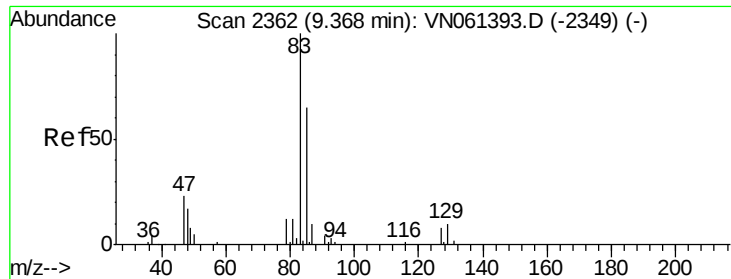
MMDadoda
 5/15/2020 2:10:44 PM



#40
 Dibromomethane
 Concen: 105.065 ug/l
 RT: 9.18 min Scan# 2302
 Delta R.T. -0.00 min
 Lab File: VN061395.D
 Acq: 14 May 2020 15:23

Tgt Ion	Ratio	Lower	Upper
93	100		
95	81.9	0.0	167.6
174	81.6	0.0	187.2





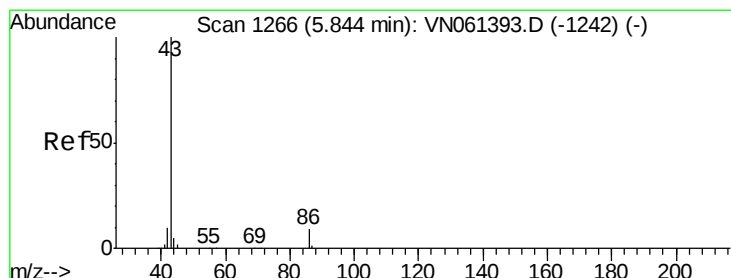
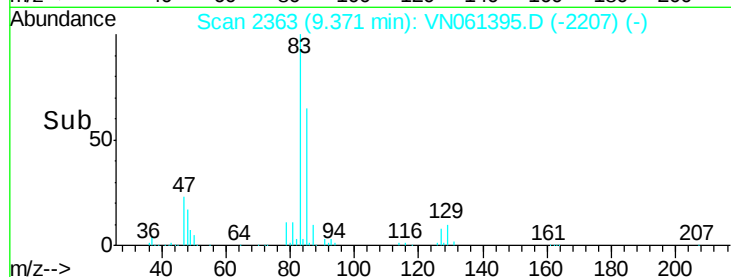
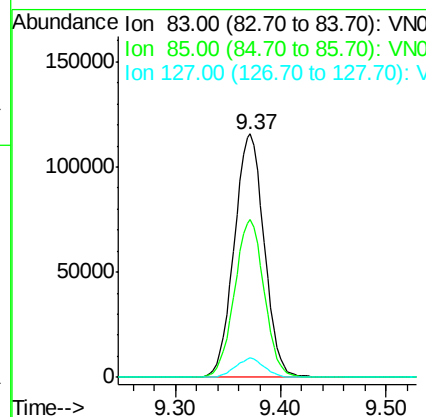
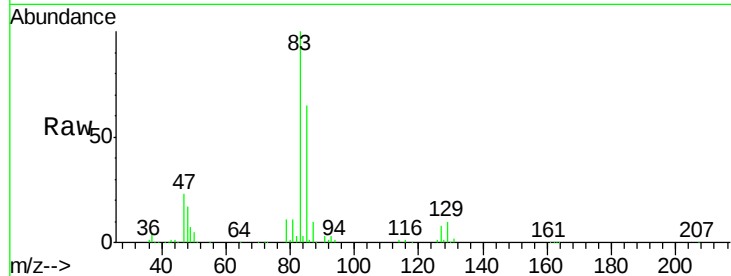
#41
Bromodichloromethane
Concen: 109.671 ug/l
RT: 9.37 min Scan# 2363
Delta R.T. 0.00 min
Lab File: VN061395.D
Acq: 14 May 2020 15:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	83	Resp	227492
Ion Ratio	100	Lower	Upper
83	100		
85	64.6	51.0	76.4
127	7.8	6.6	9.8

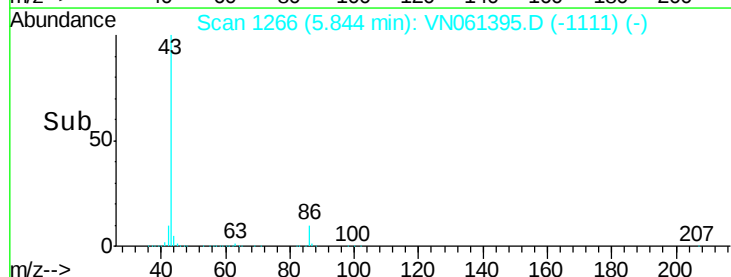
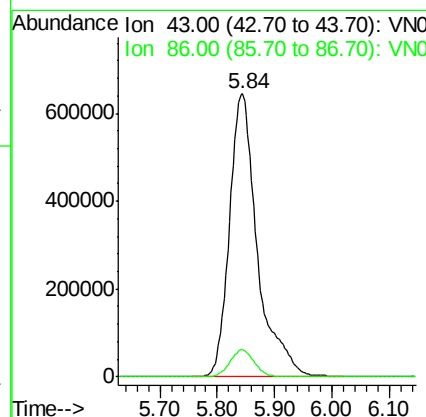
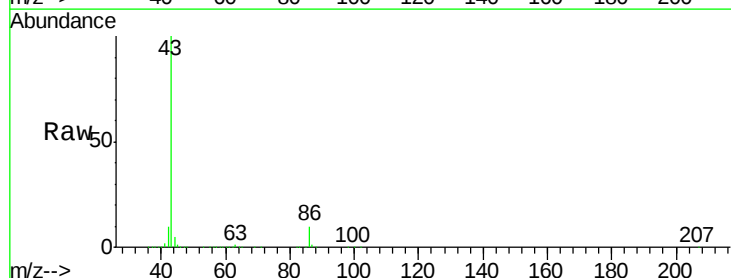
Manual Integrations
APPROVED

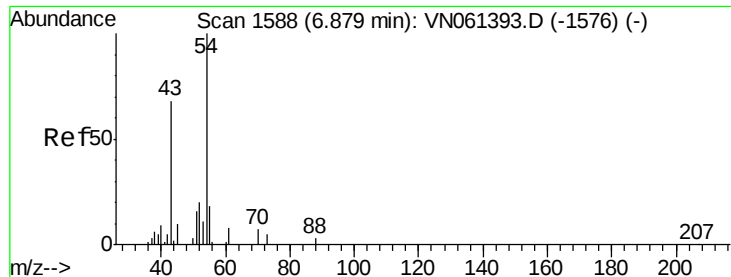
MMDadoda
5/15/2020 2:10:44 PM



#42
Vinyl Acetate
Concen: 553.875 ug/l
RT: 5.84 min Scan# 1266
Delta R.T. -0.00 min
Lab File: VN061395.D
Acq: 14 May 2020 15:23

Tgt Ion	43	Resp	2183235
Ion Ratio	100	Lower	Upper
43	100		
86	8.4	6.5	9.7





#43

Ethyl Acetate

Concen: 93.287 ug/l

RT: 6.88 min Scan# 1588

Delta R.T. -0.00 min

Lab File: VN061395.D

Acq: 14 May 2020 15:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC100

Tot Ion: 43 Resp: 201394

Ion Ratio Lower Upper

43 100

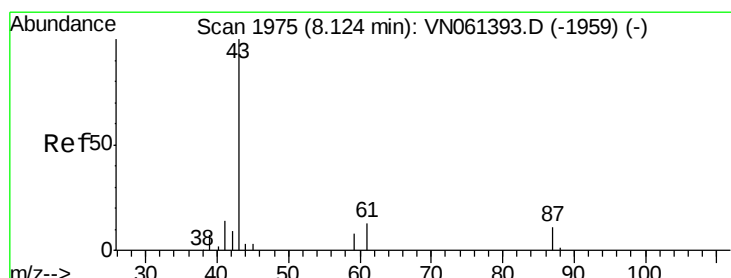
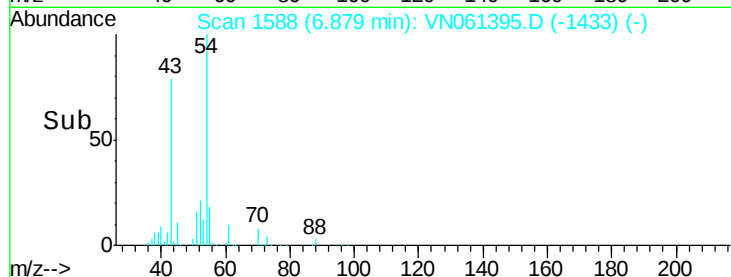
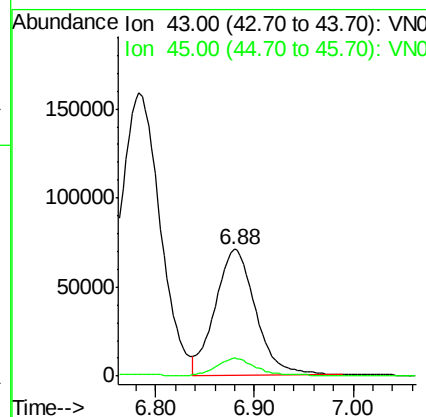
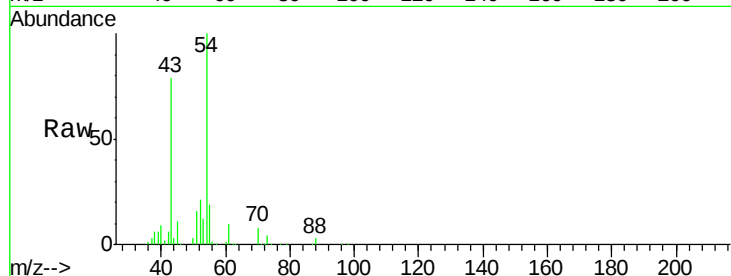
45 14.4 9.7 14.5

Manual Integrations

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#44

Isopropyl Acetate

Concen: 104.556 ug/l

RT: 8.12 min Scan# 1975

Delta R.T. -0.00 min

Lab File: VN061395.D

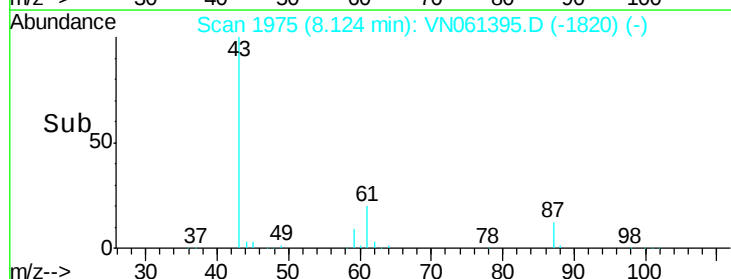
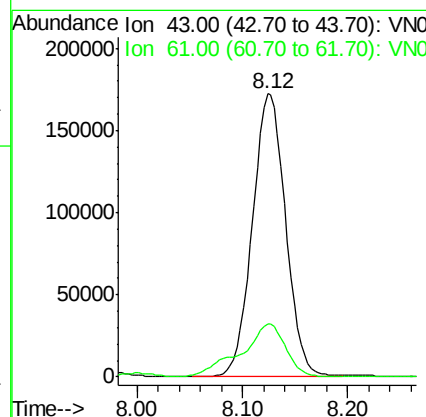
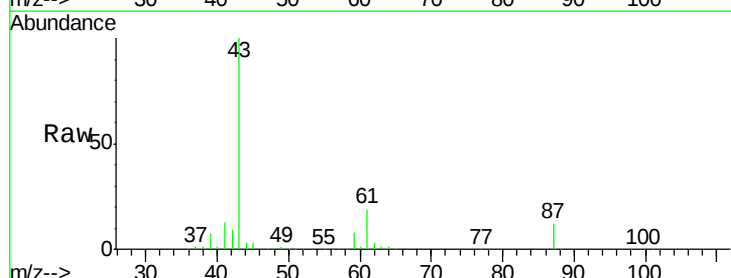
Acq: 14 May 2020 15:23

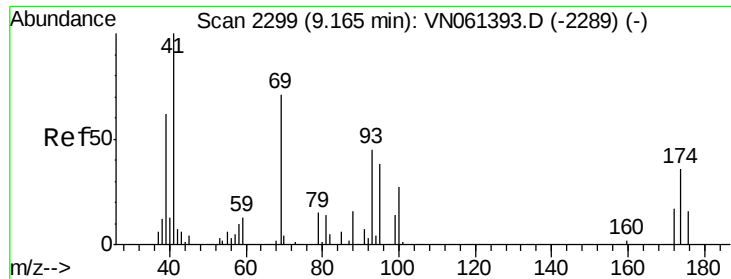
Tgt Ion: 43 Resp: 376305

Ion Ratio Lower Upper

43 100

61 25.1 19.9 29.9





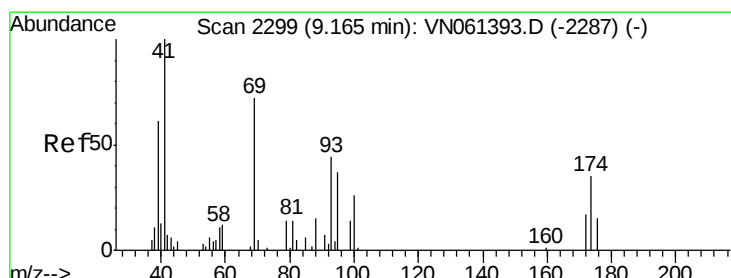
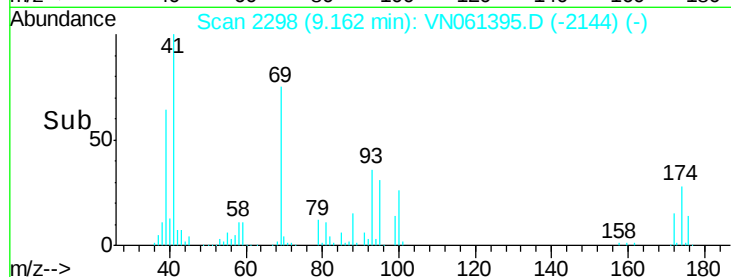
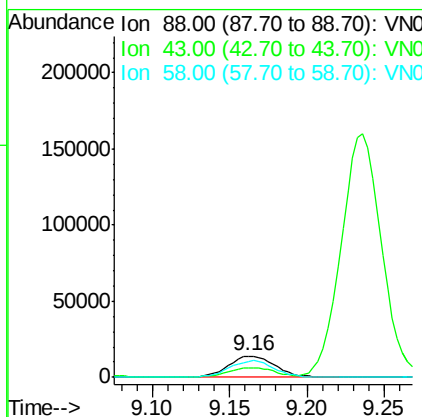
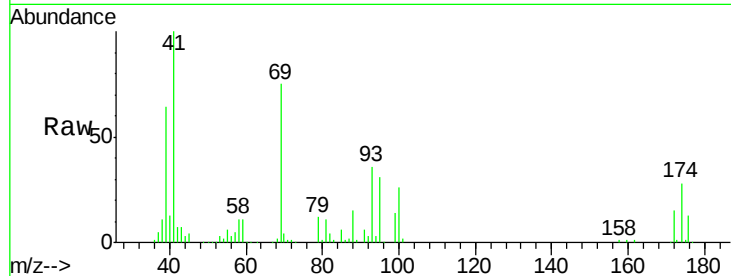
#45
 1,4-Dioxane
 Concen: 1178.038 ug/l
 RT: 9.16 min Scan# 2298
 Delta R.T. -0.00 min
 Lab File: VN061395.D
 Acq: 14 May 2020 15:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
88	100		
43	43.6	29.8	44.8
58	76.0	58.2	87.4

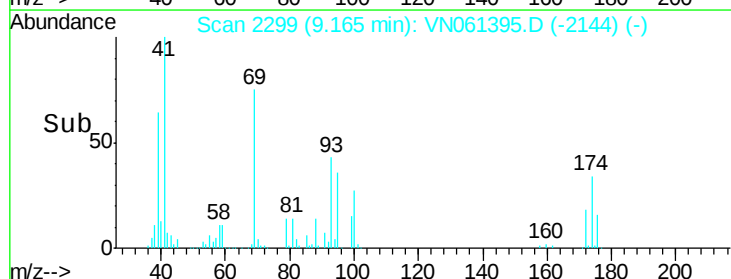
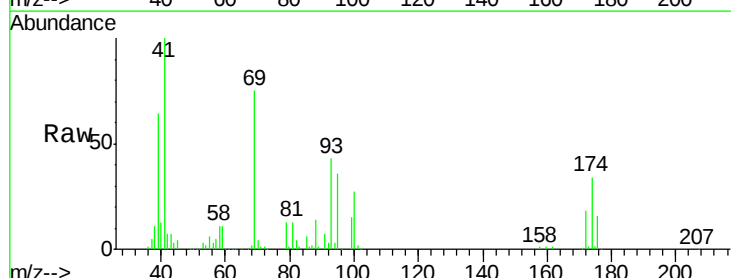
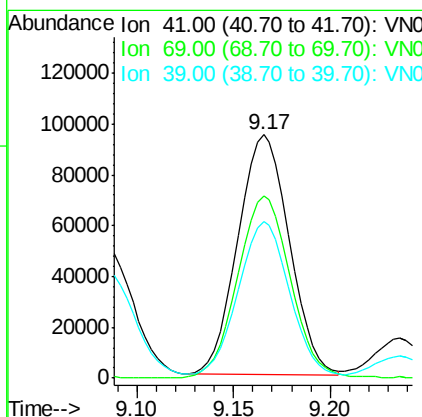
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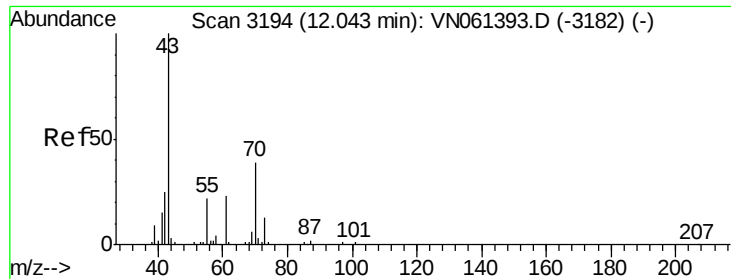
MMDadoda
 5/15/2020 2:10:44 PM



#46
 Methyl methacrylate
 Concen: 104.959 ug/l
 RT: 9.17 min Scan# 2299
 Delta R.T. -0.00 min
 Lab File: VN061395.D
 Acq: 14 May 2020 15:23

Tgt Ion	Ratio	Lower	Upper
41	100		
69	75.7	40.2	120.5
39	63.7	29.9	89.8





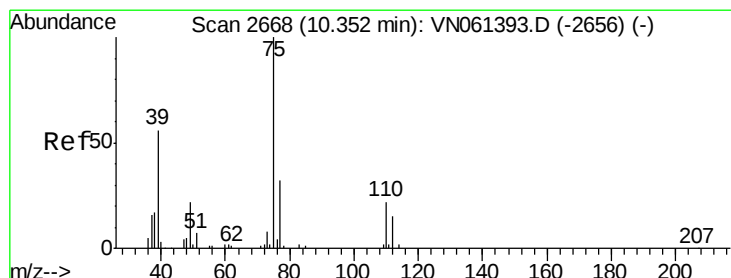
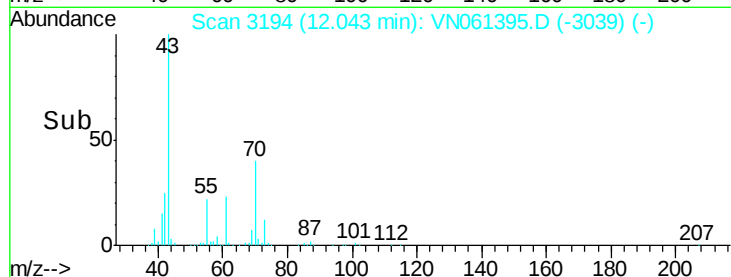
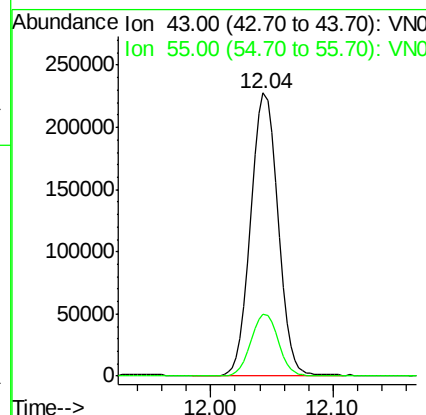
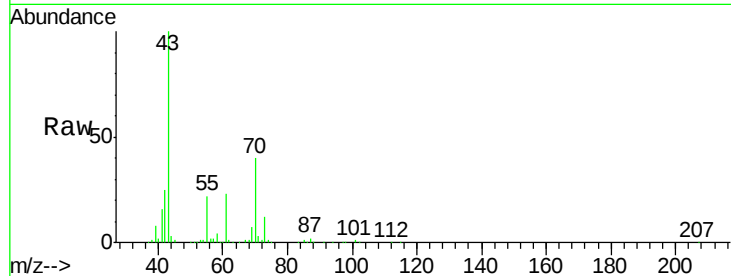
#47
n-amvl Acetate
Concen: 109.143 ug/l
RT: 12.04 min Scan# 3194
Delta R.T. -0.00 min
Lab File: VN061395.D
Acq: 14 May 2020 15:23

Instrument :
MSVOA_N
ClientSampled :
VSTDIC100

Tot Ion: 43 Resp: 348712
Ion Ratio Lower Upper
43 100
55 21.9 19.6 29.4

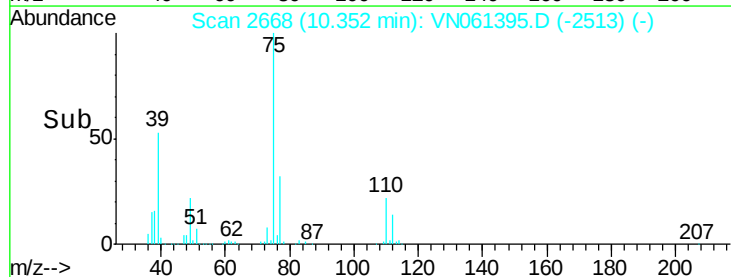
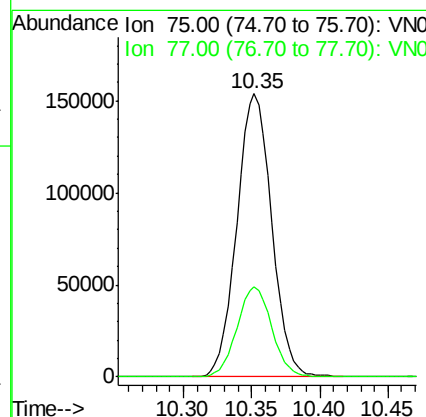
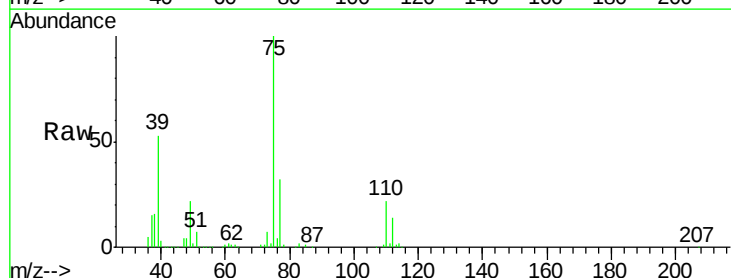
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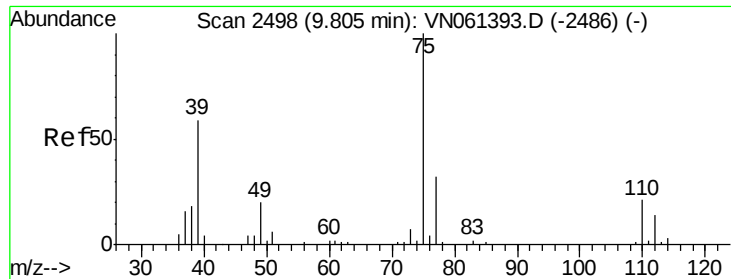
MMDadoda
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#48
t-1,3-Dichloropropene
Concen: 112.472 ug/l
RT: 10.35 min Scan# 2668
Delta R.T. -0.00 min
Lab File: VN061395.D
Acq: 14 May 2020 15:23

Tgt Ion: 75 Resp: 272474
Ion Ratio Lower Upper
75 100
77 31.6 27.0 40.4





#49

cis-1,3-Dichloropropene

Concen: 111.685 ug/l

RT: 9.81 min Scan# 2499

Delta R.T. 0.00 min

Lab File: VN061395.D

Acq: 14 May 2020 15:23

Instrument :

MSVOA_N

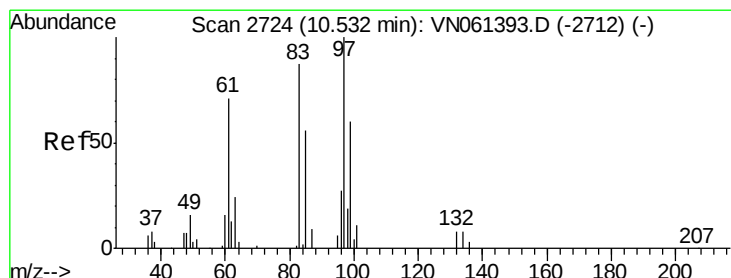
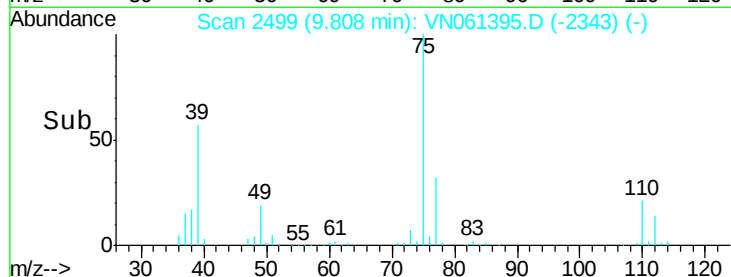
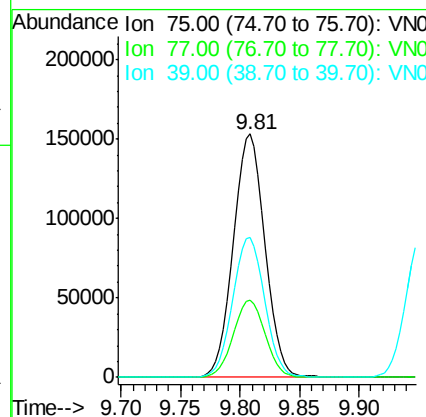
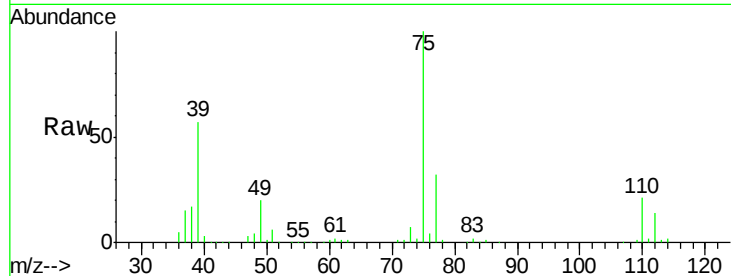
ClientSampleId :

VSTDIC100

Tot Ion:	75	Resp:	283145
Ion Ratio		Lower	Upper
75	100		
77	31.6	26.1	39.1
39	57.2	43.1	64.7

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#50

1,1,2-Trichloroethane

Concen: 102.619 ug/l

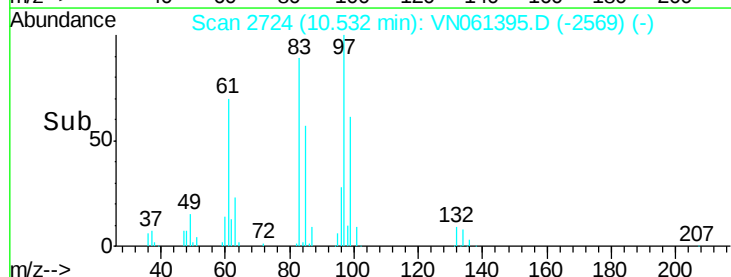
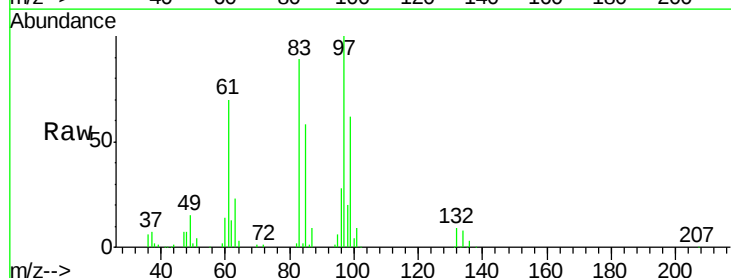
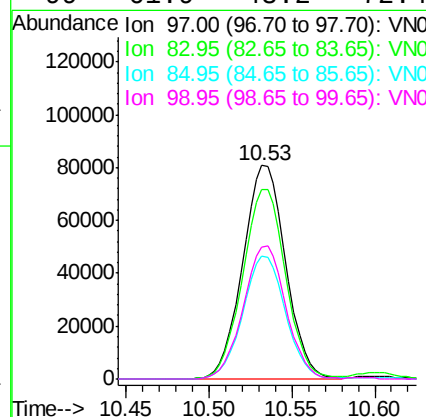
RT: 10.53 min Scan# 2724

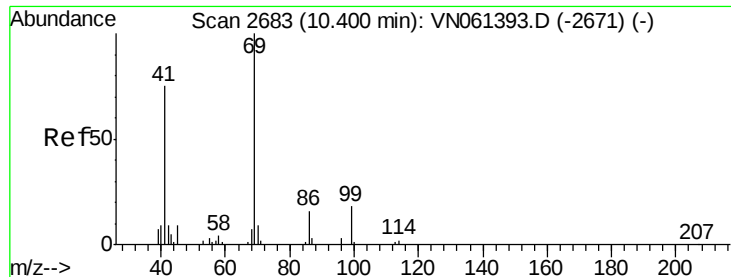
Delta R.T. -0.00 min

Lab File: VN061395.D

Acq: 14 May 2020 15:23

Tgt Ion:	97	Resp:	145292
Ion Ratio		Lower	Upper
97	100		
83	88.9	70.7	106.1
85	57.7	45.1	67.7
99	61.9	48.2	72.4





#51

Ethyl methacrylate

Concen: 109.824 ug/l

RT: 10.40 min Scan# 2683

Delta R.T. -0.00 min

Lab File: VN061395.D

Acq: 14 May 2020 15:23

Instrument :

MSVOA_N

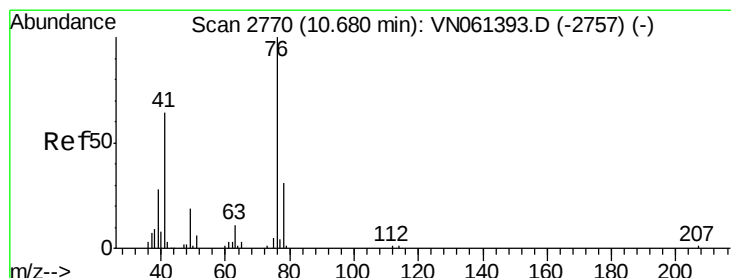
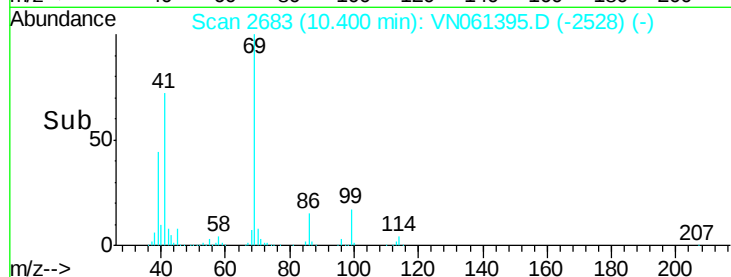
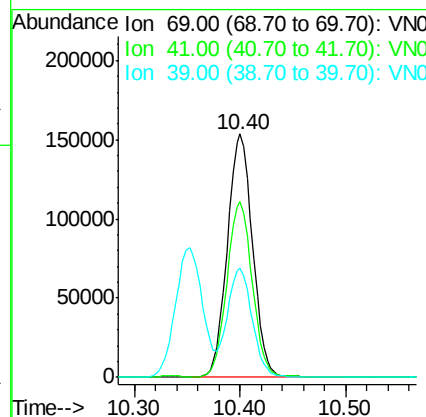
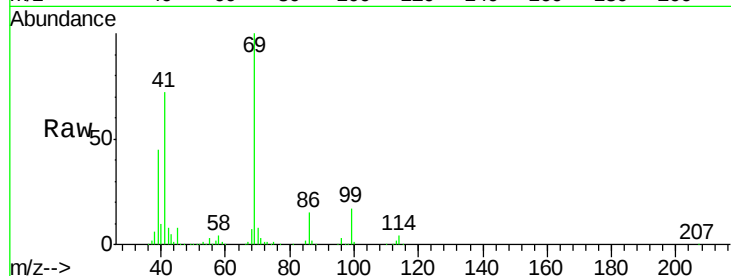
ClientSampled :

VSTDIC100

Tot Ion:	69	Resp:	254808
Ion Ratio	Lower	Upper	
69	100		
41	71.8	34.7	104.1
39	44.3	20.3	60.8

Manual Integrations
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#52

1,3-Dichloropropane

Concen: 103.516 ug/l

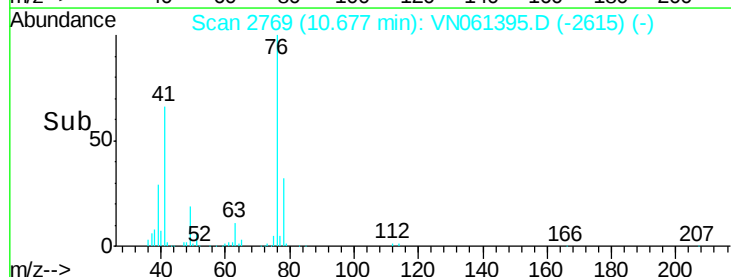
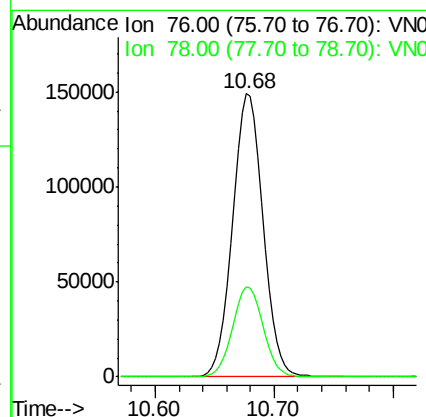
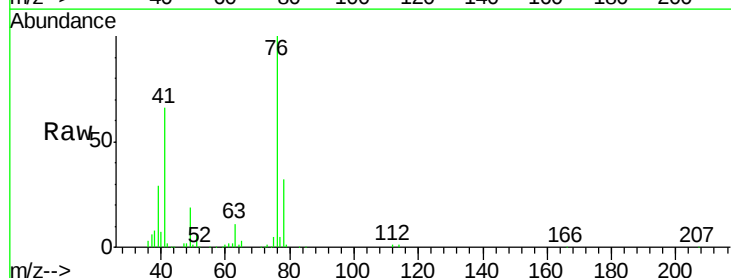
RT: 10.68 min Scan# 2769

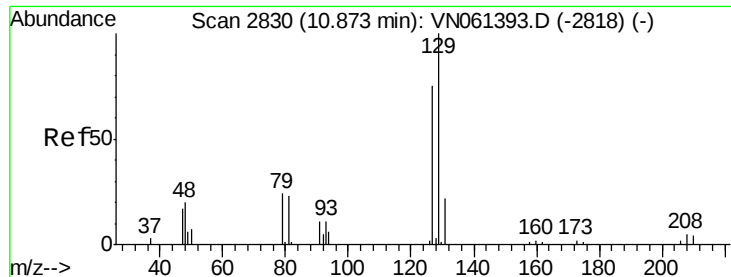
Delta R.T. -0.00 min

Lab File: VN061395.D

Acq: 14 May 2020 15:23

Tgt Ion:	76	Resp:	264596
Ion Ratio	Lower	Upper	
76	100		
78	32.0	0.0	63.2





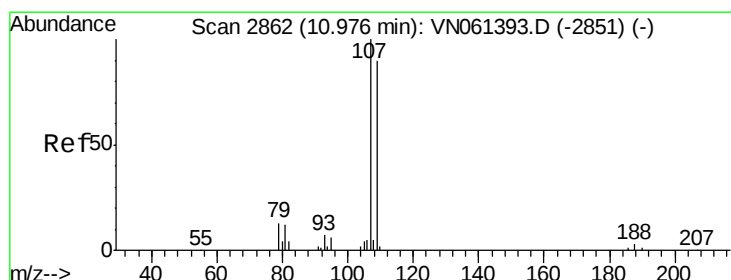
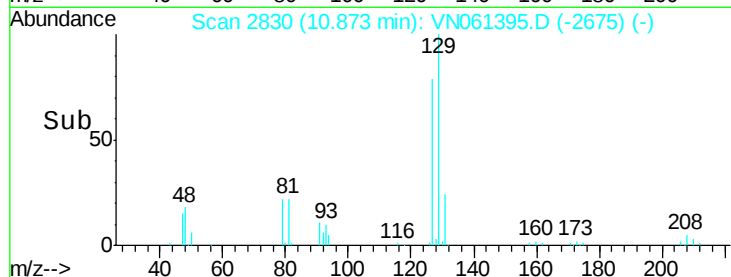
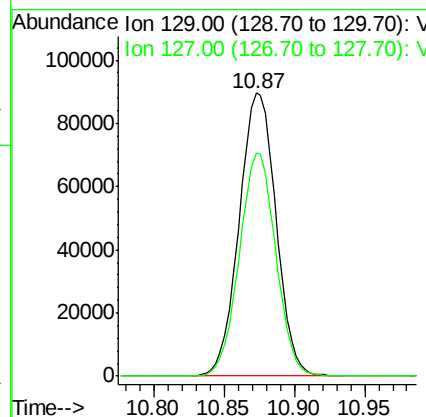
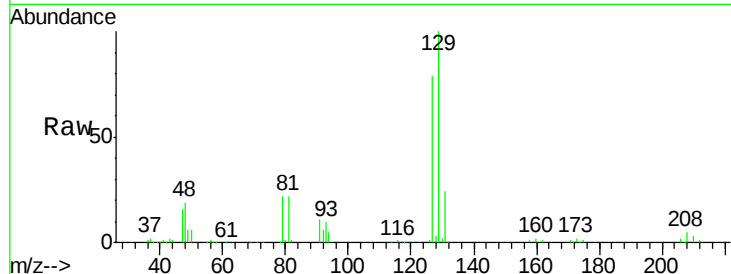
#53
Dibromochloromethane
Concen: 107.462 ug/l
RT: 10.87 min Scan# 2830
Delta R.T. -0.00 min
Lab File: VN061395.D
Acq: 14 May 2020 15:23

Instrument :
MSVOA_N
ClientSampled :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
129	100		
127	77.8	39.1	117.5

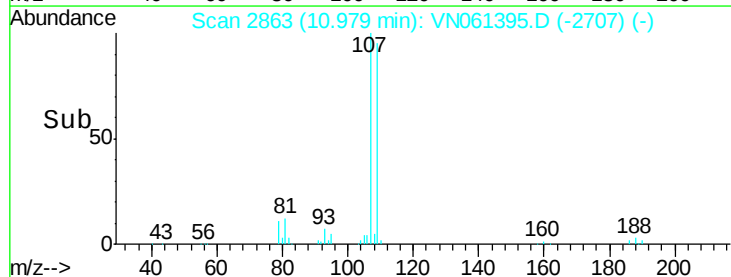
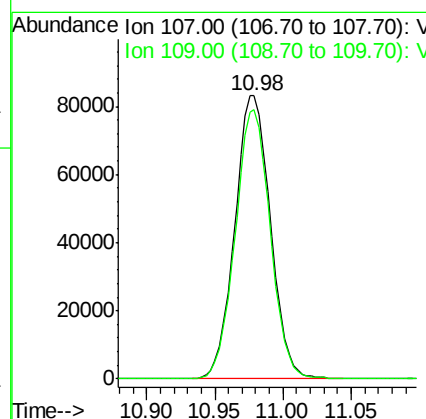
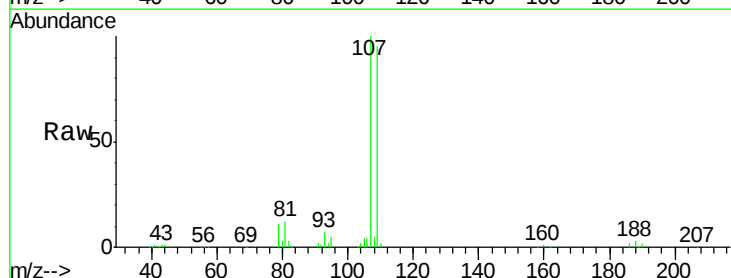
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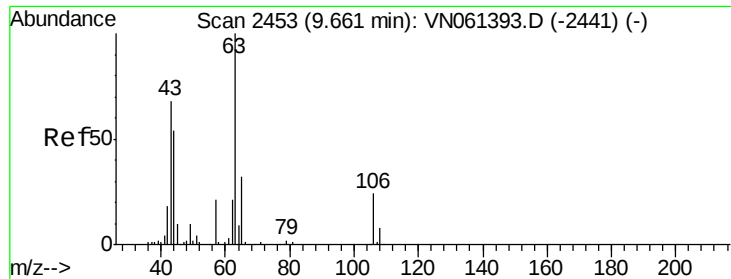
MMDadoda
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#54
1,2-Dibromoethane
Concen: 102.418 ug/l
RT: 10.98 min Scan# 2863
Delta R.T. 0.00 min
Lab File: VN061395.D
Acq: 14 May 2020 15:23

Tgt Ion	Ratio	Lower	Upper
107	100		
109	93.5	76.2	114.4





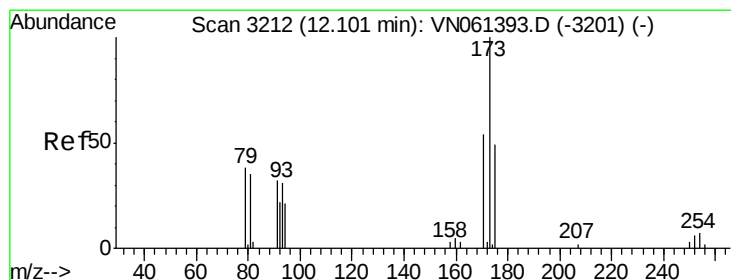
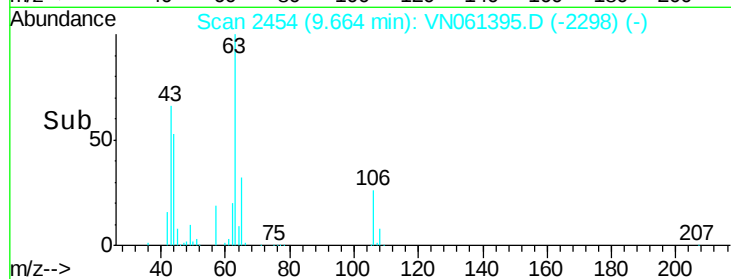
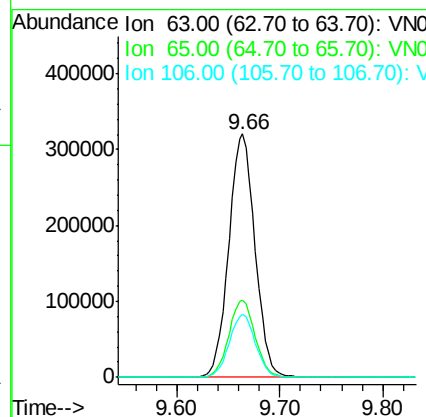
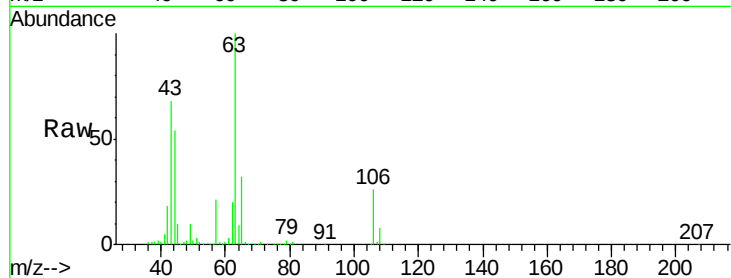
#55
 2-Chloroethyl vinyl ether
 Concen: 512.503 ug/l
 RT: 9.66 min Scan# 2454
 Delta R.T. 0.00 min
 Lab File: VN061395.D
 Acq: 14 May 2020 15:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.8	25.3	37.9
106	25.8	19.8	29.6

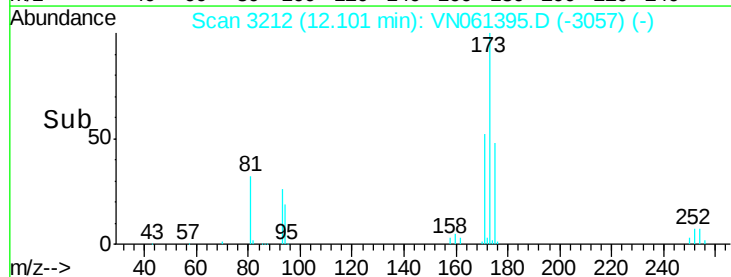
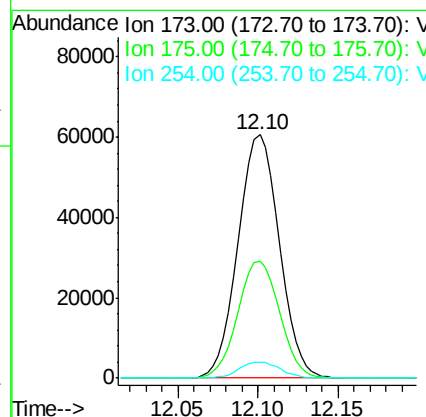
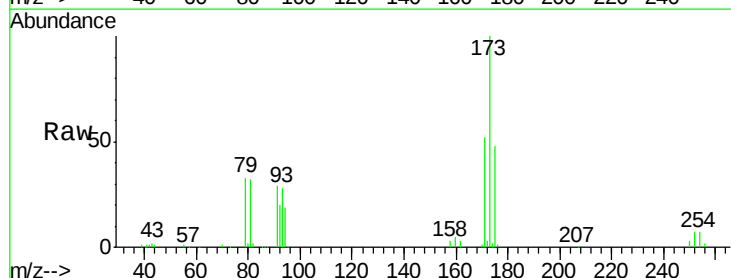
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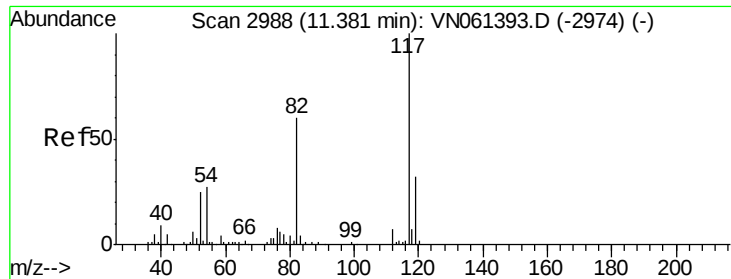
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#56
 Bromoform
 Concen: 102.200 ug/l
 RT: 12.10 min Scan# 3212
 Delta R.T. -0.00 min
 Lab File: VN061395.D
 Acq: 14 May 2020 15:23

Tgt Ion	Ratio	Lower	Upper
173	100		
175	48.7	38.7	58.1
254	6.6	7.4	11.2





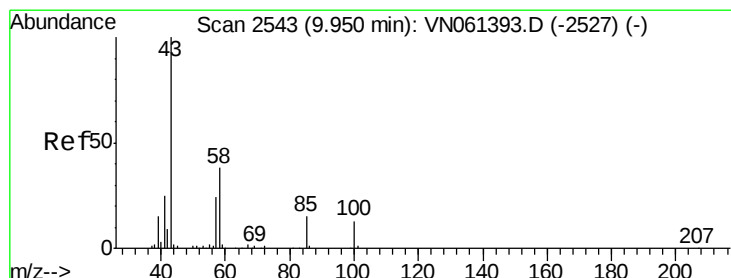
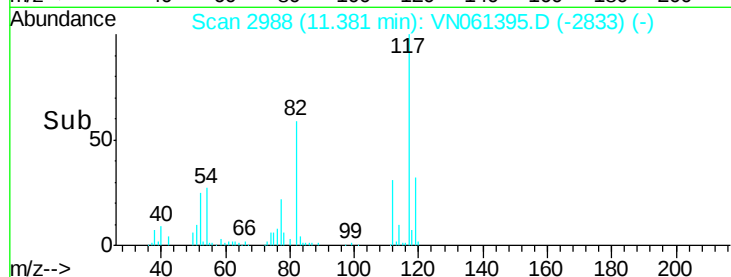
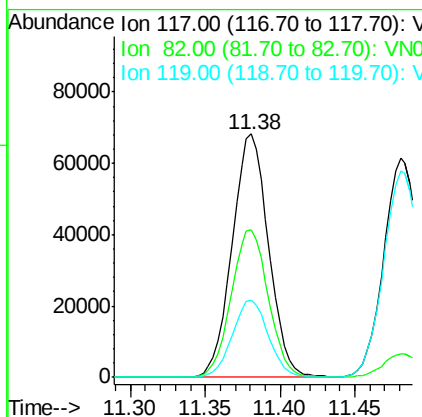
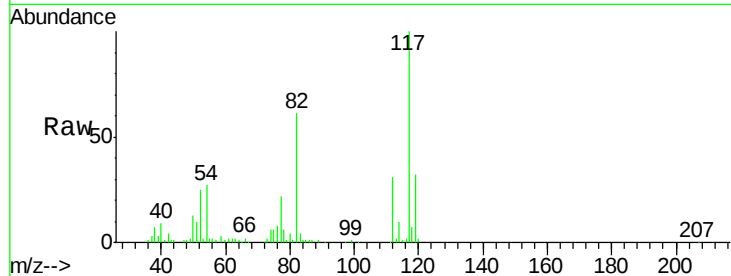
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. -0.00 min
Lab File: VN061395.D
Acq: 14 May 2020 15:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
117	100	115734		
82	61.9	46.9	70.3	
119	31.5	25.8	38.6	

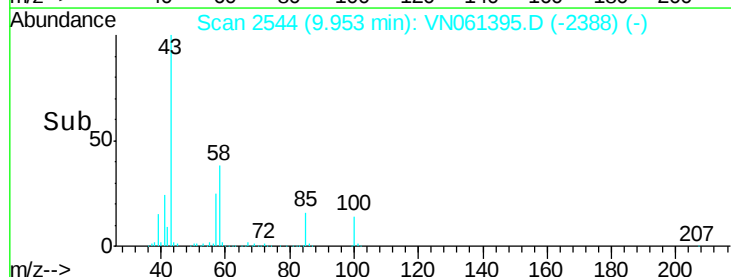
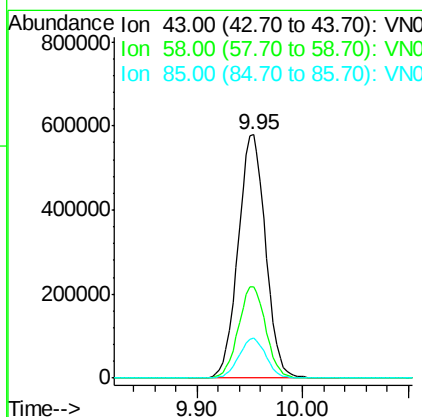
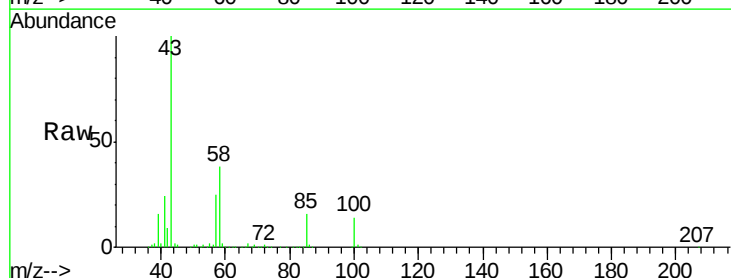
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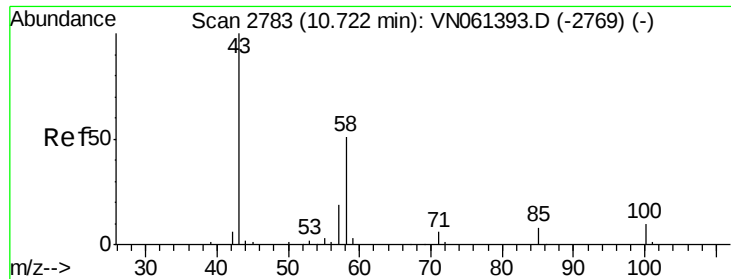
MMDadoda
5/15/2020 2:10:44 PM



#58
4-Methyl-2-Pentanone
Concen: 500.158 ug/l
RT: 9.95 min Scan# 2544
Delta R.T. 0.00 min
Lab File: VN061395.D
Acq: 14 May 2020 15:23

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	1040056		
58	37.7	30.1	45.1	
85	16.3	13.2	19.8	





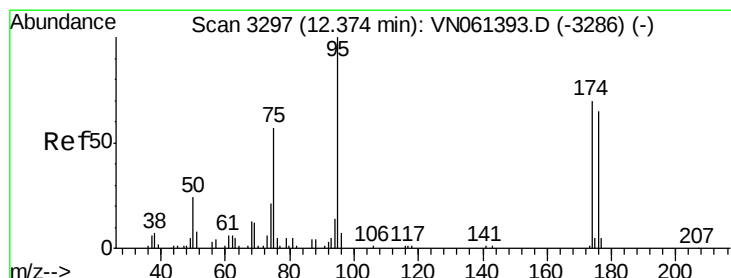
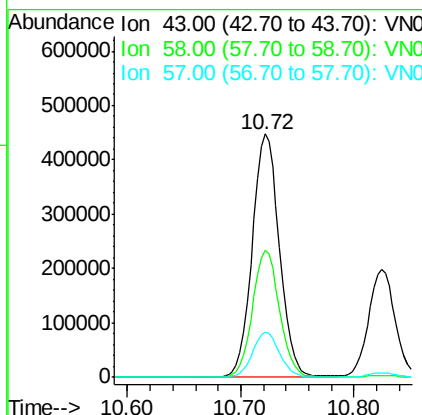
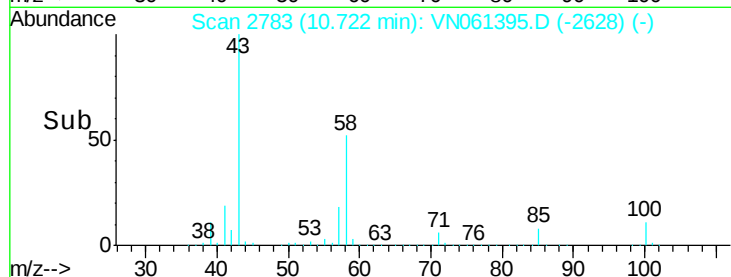
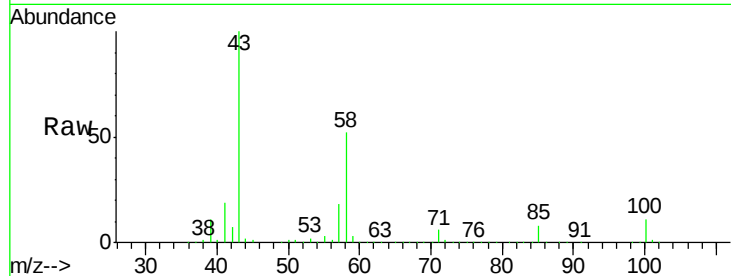
#59
2-Hexanone
Concen: 462.682 ug/l
RT: 10.72 min Scan# 2783
Delta R.T. -0.00 min
Lab File: VN061395.D
Acq: 14 May 2020 15:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion:	43	Resp:	745377
Ion Ratio	Lower	Upper	
43	100		
58	52.1	41.4	62.0
57	18.6	14.7	22.1

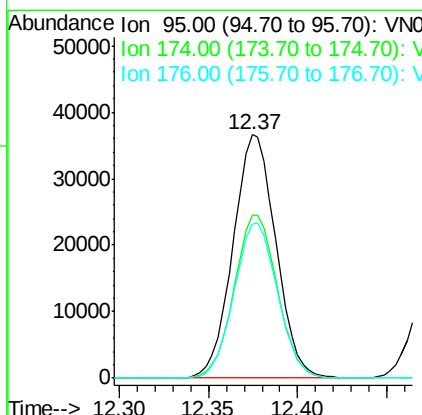
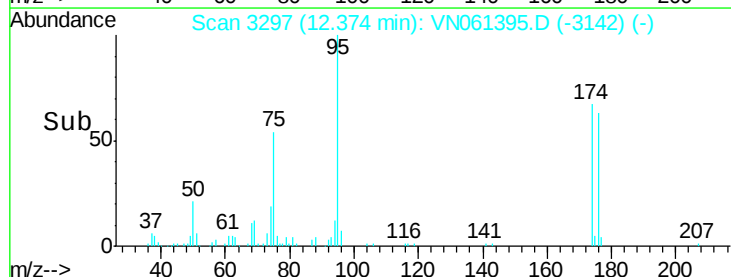
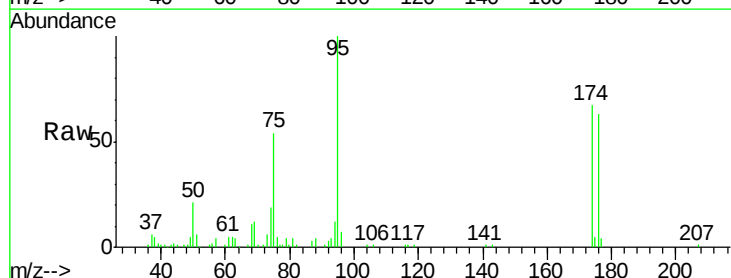
Manual Integrations
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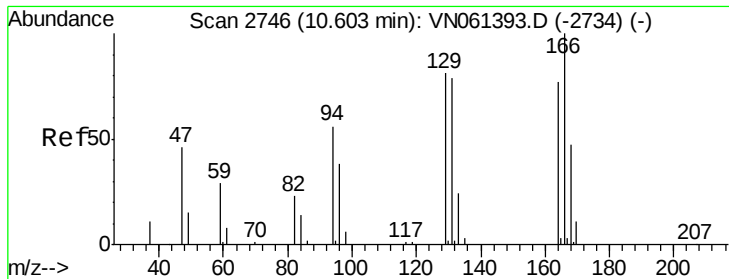
MMDadoda
5/15/2020 2:10:44 PM



#60
4-Bromofluorobenzene
Concen: 30.483 ug/l
RT: 12.37 min Scan# 3297
Delta R.T. -0.00 min
Lab File: VN061395.D
Acq: 14 May 2020 15:23

Tgt Ion:	95	Resp:	61083
Ion Ratio	Lower	Upper	
95	100		
174	67.5	59.9	89.9
176	64.7	58.3	87.5





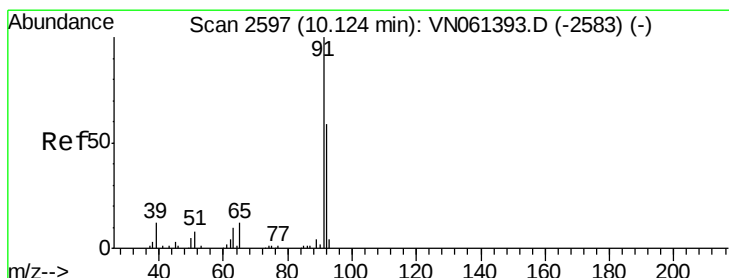
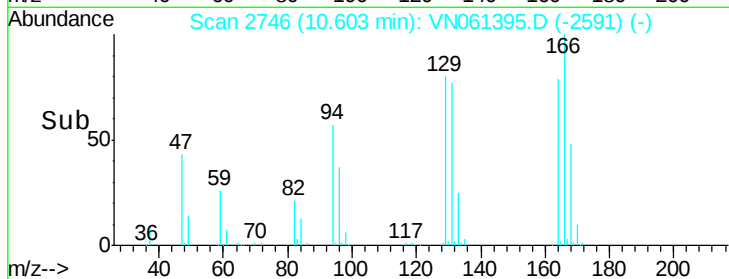
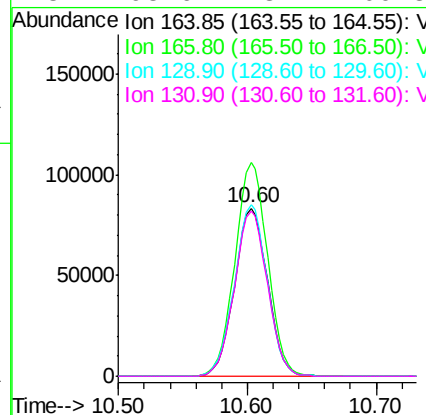
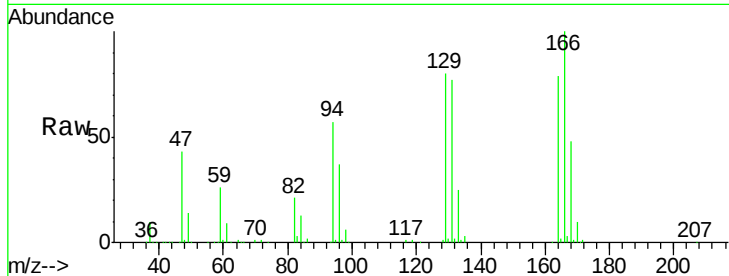
#61
 Tetrachloroethene
 Concen: 116.844 ug/l
 RT: 10.60 min Scan# 2746
 Delta R.T. -0.00 min
 Lab File: VN061395.D
 Acq: 14 May 2020 15:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	164	Resp	148173
Ion Ratio	Lower	Upper	
164	100		
166	127.3	101.4	152.2
129	102.3	78.1	117.1
131	98.6	73.2	109.8

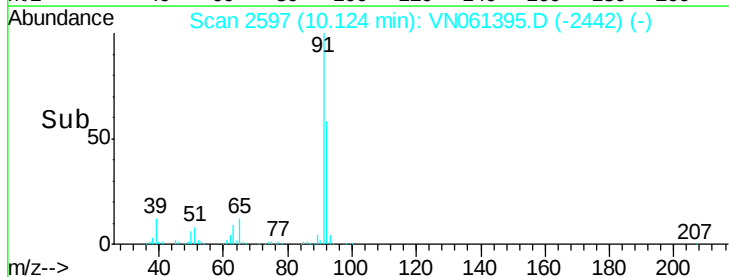
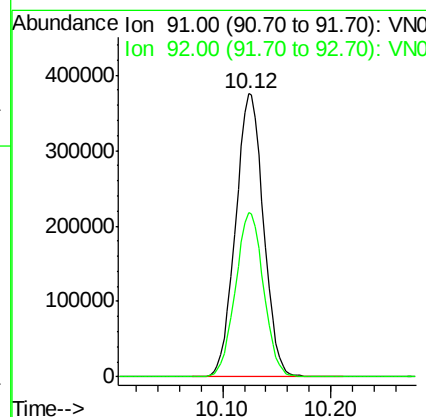
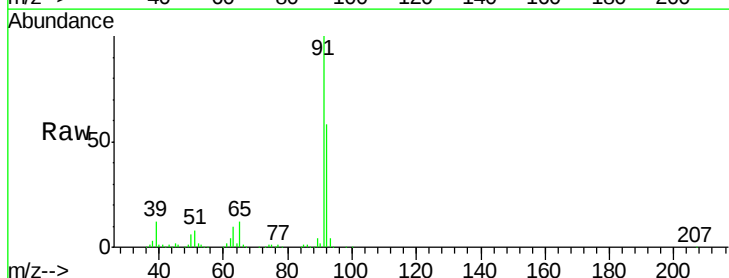
Manual Integrations
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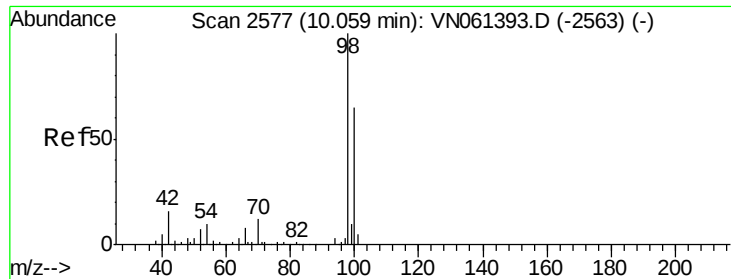
MMDadoda
 5/15/2020 2:10:44 PM



#62
 Toluene
 Concen: 109.110 ug/l
 RT: 10.12 min Scan# 2597
 Delta R.T. -0.00 min
 Lab File: VN061395.D
 Acq: 14 May 2020 15:23

Tgt Ion	91	Resp	679906
Ion Ratio	Lower	Upper	
91	100		
92	58.1	45.4	68.2





#63

Toluene-d8

Concen: 29.297 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. -0.00 min

Lab File: VN061395.D

Acq: 14 May 2020 15:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC100

Tot Ion: 98 Resp: 159093

Ion Ratio Lower Upper

98 100

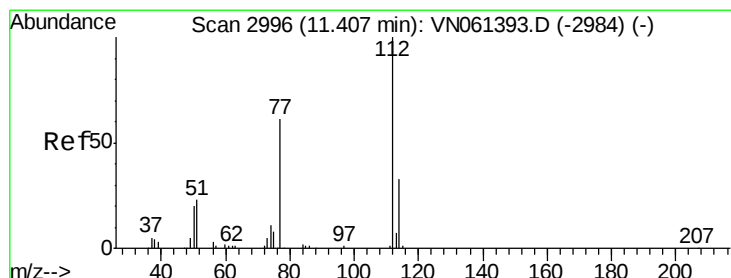
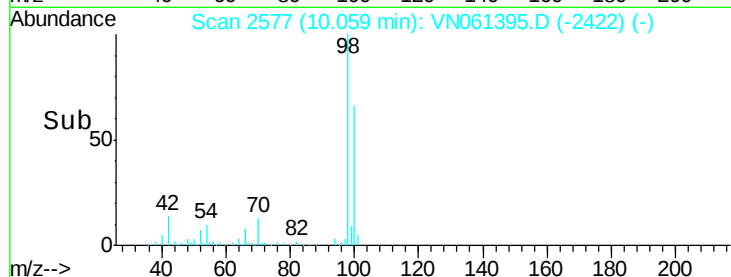
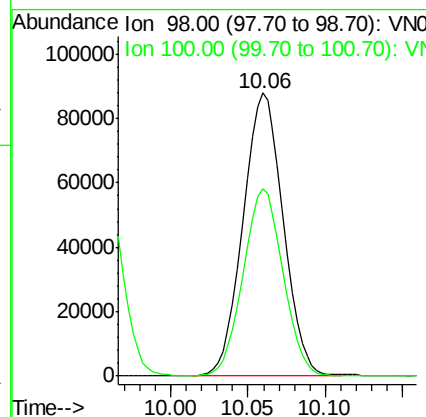
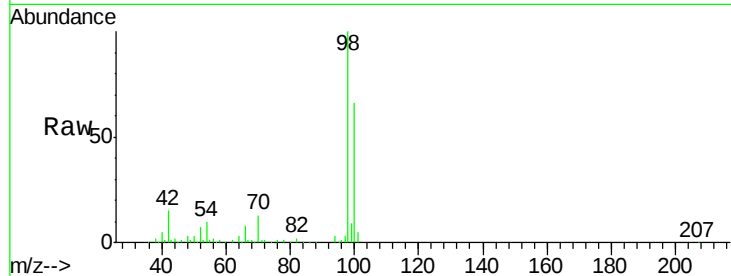
100 65.8 50.6 75.8

Manual Integrations

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5/15/2020 2:10:44 PM



#64

Chlorobenzene

Concen: 106.248 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. -0.00 min

Lab File: VN061395.D

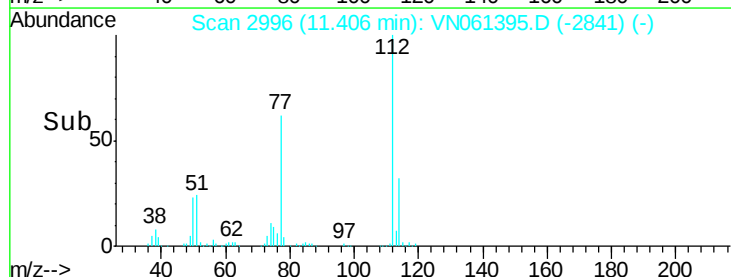
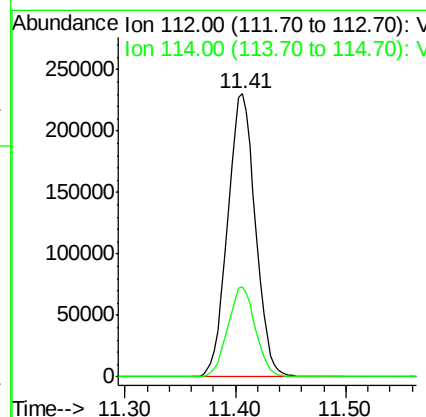
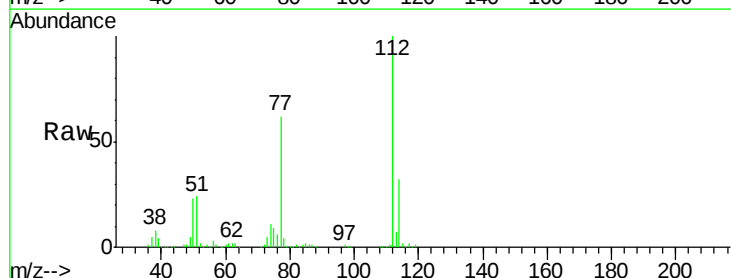
Acq: 14 May 2020 15:23

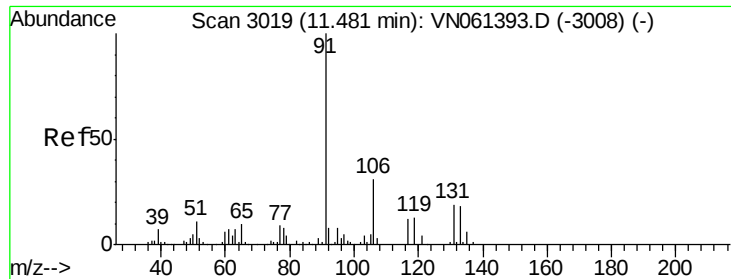
Tgt Ion: 112 Resp: 401804

Ion Ratio Lower Upper

112 100

114 31.8 25.7 38.5





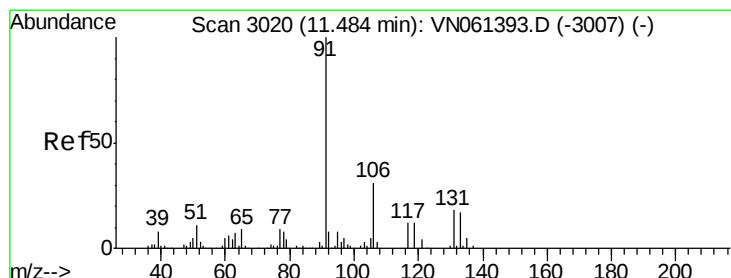
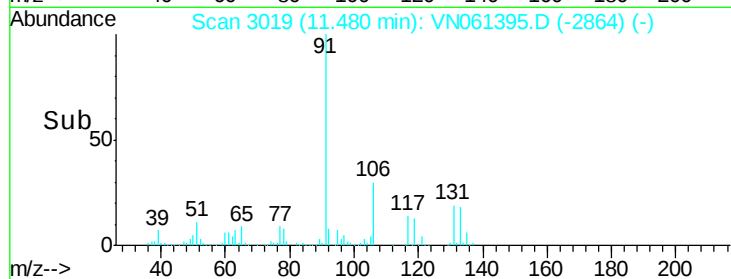
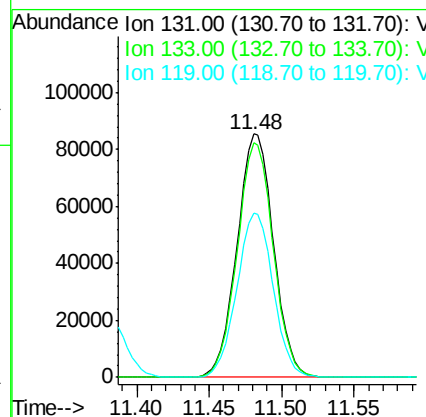
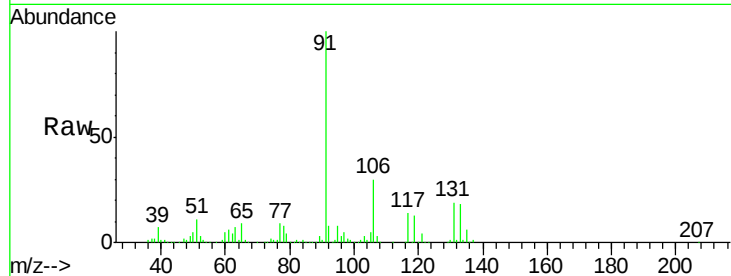
#65
 1,1,1,2-Tetrachloroethane
 Concen: 105.474 ug/l
 RT: 11.48 min Scan# 3019
 Delta R.T. -0.00 min
 Lab File: VN061395.D
 Acq: 14 May 2020 15:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
131	100	149077		
133	95.2	0.0	194.0	
119	67.2	0.0	136.8	

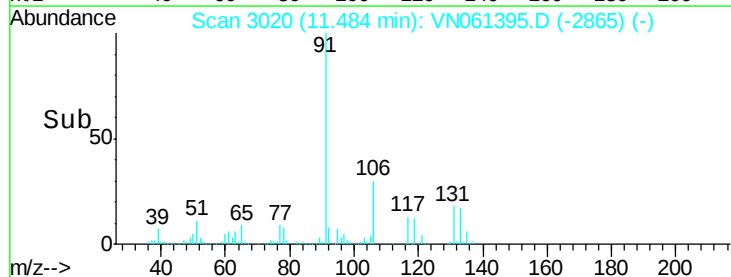
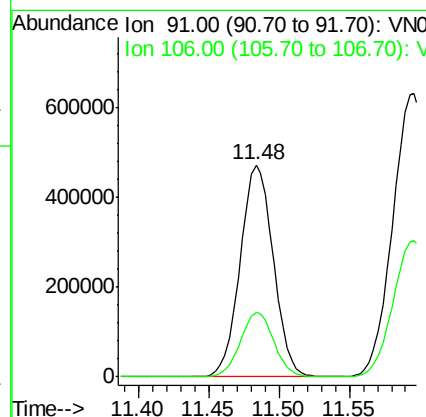
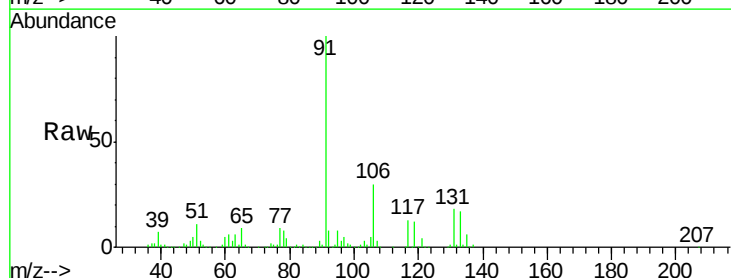
Manual Integrations
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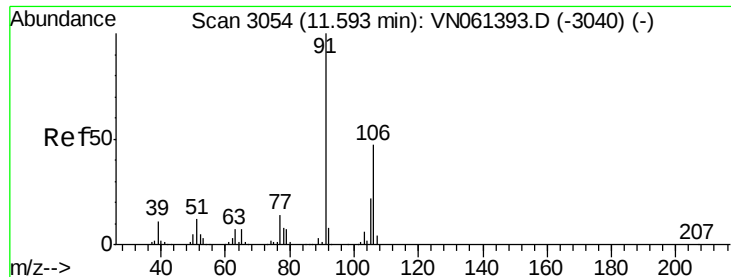
MMDadoda
 5/15/2020 2:10:44 PM



#66
 Ethyl Benzene
 Concen: 112.609 ug/l
 RT: 11.48 min Scan# 3020
 Delta R.T. -0.00 min
 Lab File: VN061395.D
 Acq: 14 May 2020 15:23

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	781344		
106	30.3	24.2	36.4	





#67

m/p-Xylenes

Concen: 226.946 ug/l

RT: 11.60 min Scan# 3055

Delta R.T. 0.00 min

Lab File: VN061395.D

Acq: 14 May 2020 15:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion:106 Resp: 587135

Ion Ratio Lower Upper

106 100

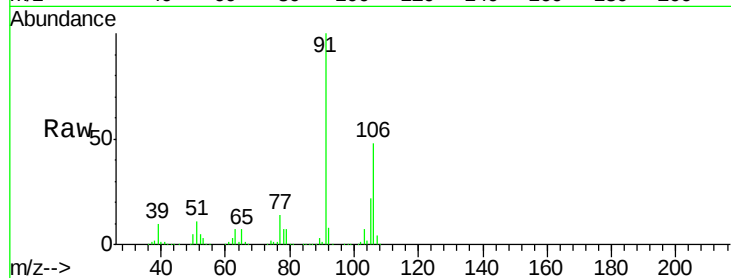
91 207.0 165.6 248.4

Manual Integrations

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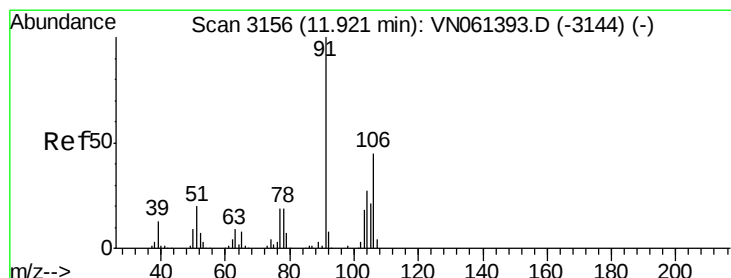
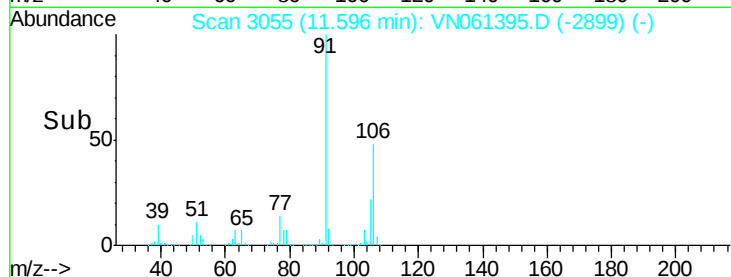
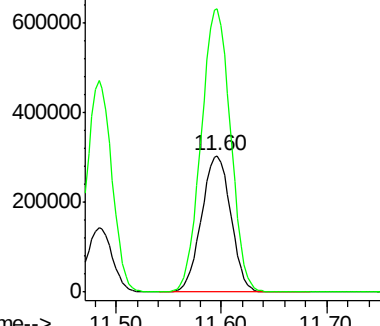
MMDadoda

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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0



#68

o-Xylene

Concen: 110.471 ug/l

RT: 11.92 min Scan# 3156

Delta R.T. -0.00 min

Lab File: VN061395.D

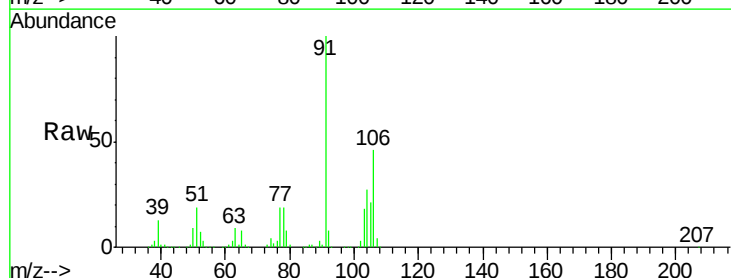
Acq: 14 May 2020 15:23

Tgt Ion:106 Resp: 277332

Ion Ratio Lower Upper

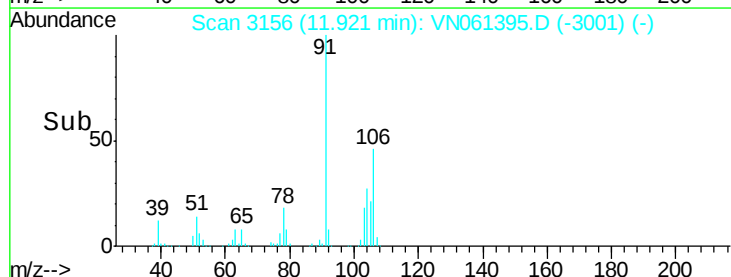
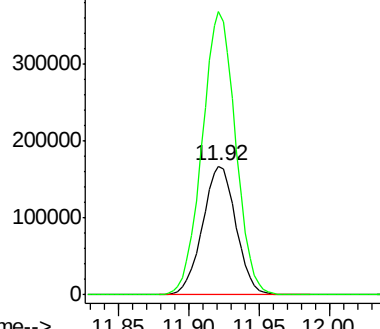
106 100

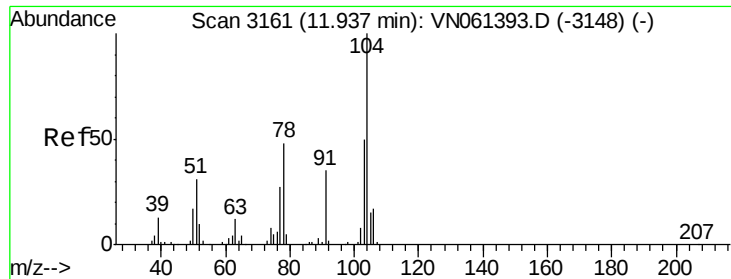
91 220.1 109.8 329.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0





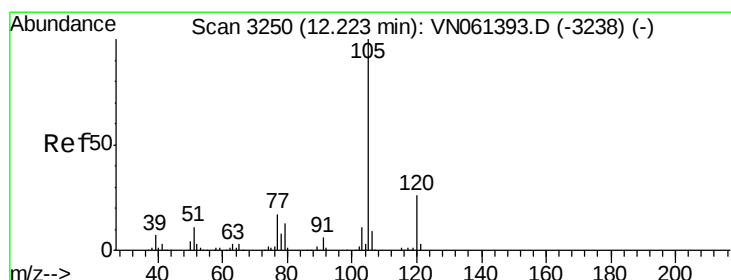
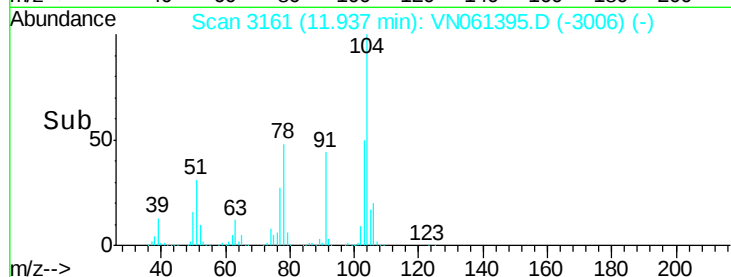
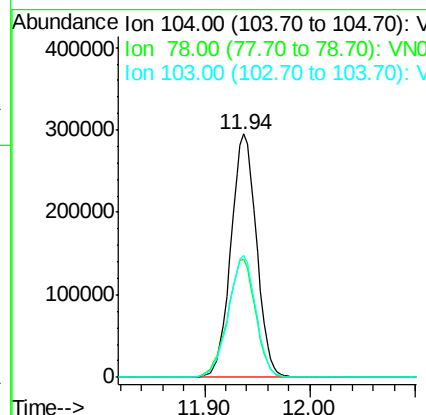
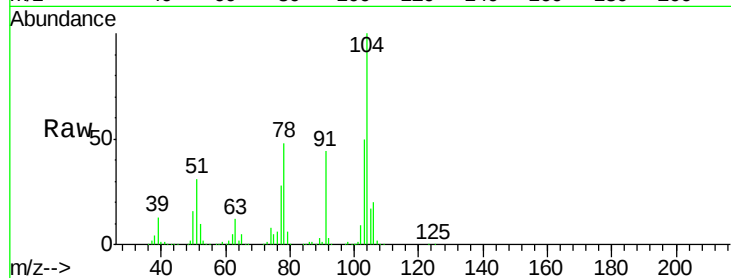
#69
Stvrene
Concen: 118.520 ug/l
RT: 11.94 min Scan# 3161
Delta R.T. -0.00 min
Lab File: VN061395.D
Acq: 14 May 2020 15:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
104	100		
78	52.9	42.4	63.6
103	53.6	44.6	66.8

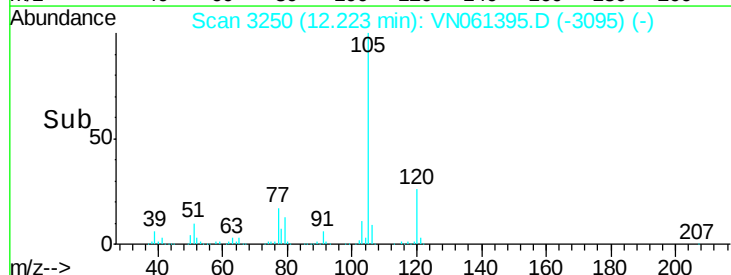
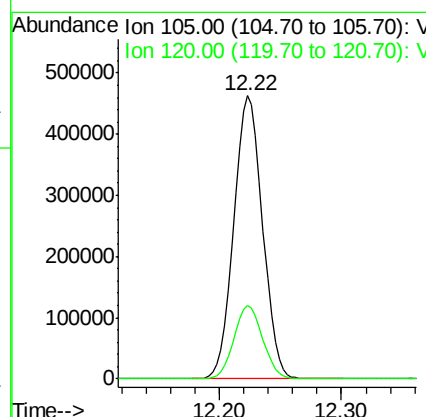
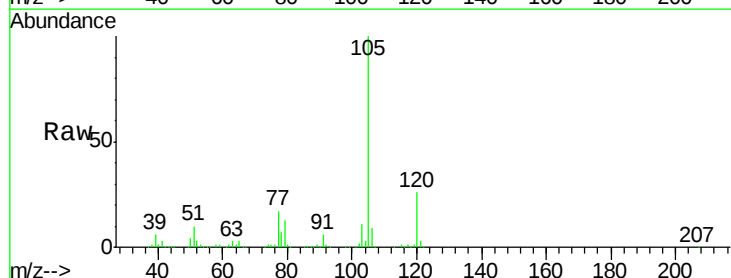
Manual Integrations
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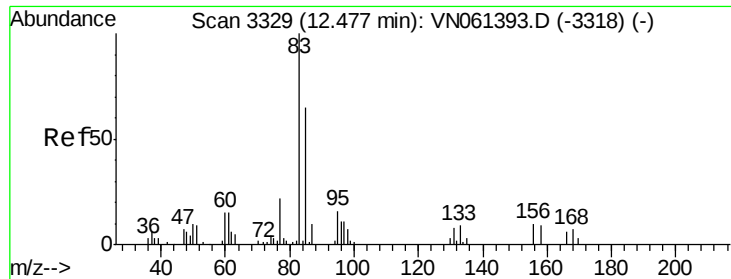
MMDadoda
5/15/2020 2:10:44 PM



#70
Isopropylbenzene
Concen: 112.465 ug/l
RT: 12.22 min Scan# 3250
Delta R.T. -0.00 min
Lab File: VN061395.D
Acq: 14 May 2020 15:23

Tgt Ion	Ratio	Lower	Upper
105	100		
120	25.9	18.4	34.2





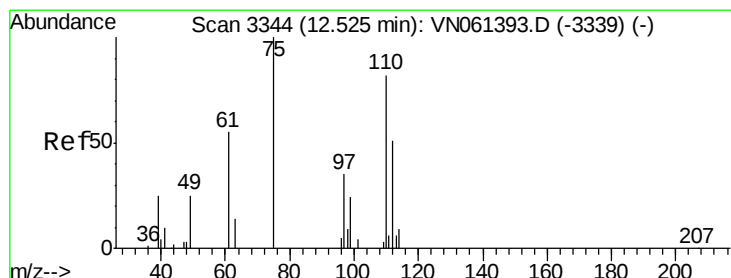
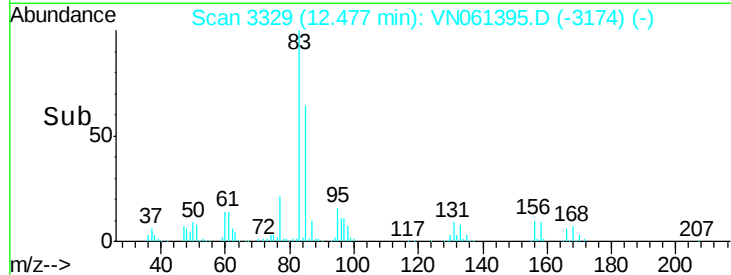
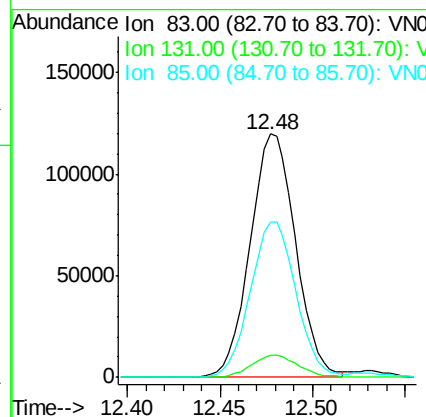
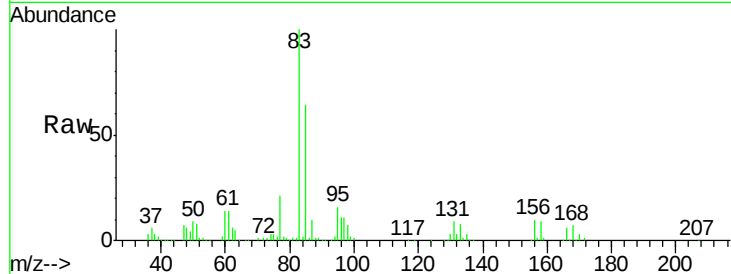
#71
 1,1,2,2-Tetrachloroethane
 Concen: 92.521 ug/l
 RT: 12.48 min Scan# 3329
 Delta R.T. -0.00 min
 Lab File: VN061395.D
 Acq: 14 May 2020 15:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
131	9.3	4.9	14.7	
85	64.2	31.6	94.7	

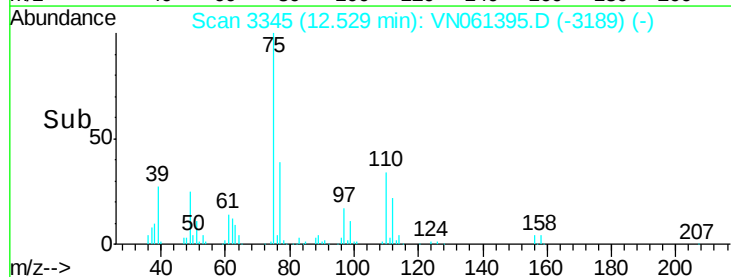
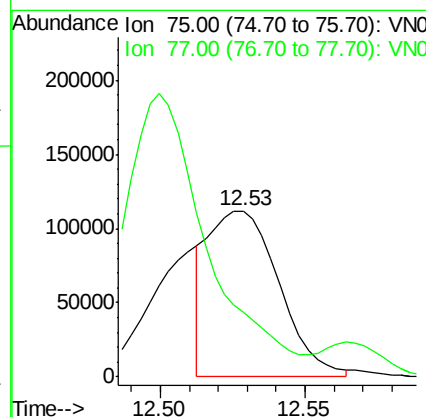
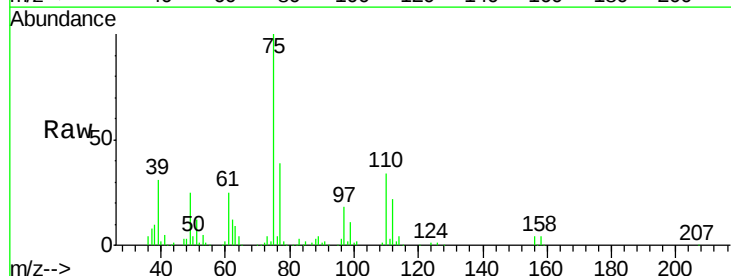
Manual Integrations
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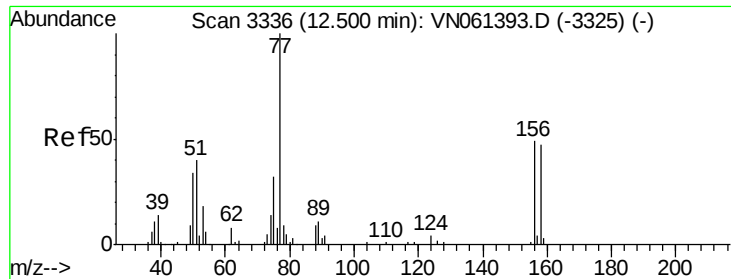
MMDadoda
 5/15/2020 2:10:44 PM



#72
 1,2,3-Trichloropropane
 Concen: 94.024 ug/l m
 RT: 12.53 min Scan# 3345
 Delta R.T. 0.00 min
 Lab File: VN061395.D
 Acq: 14 May 2020 15:23

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
77	203.2	0.0	359.4	





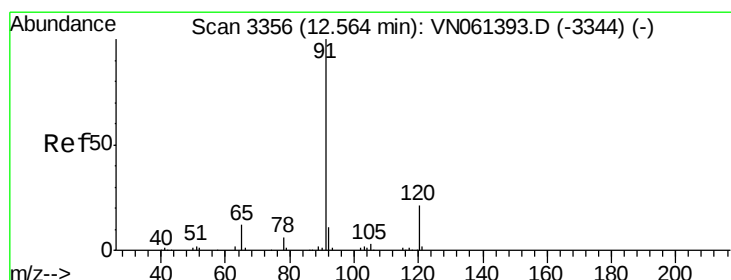
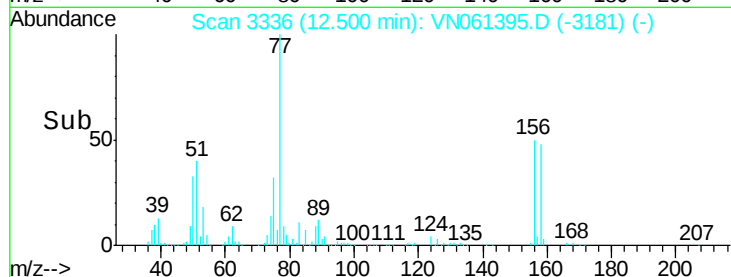
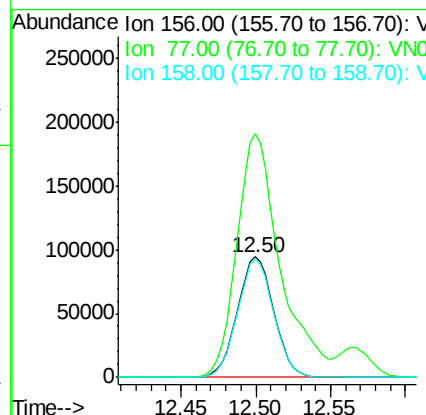
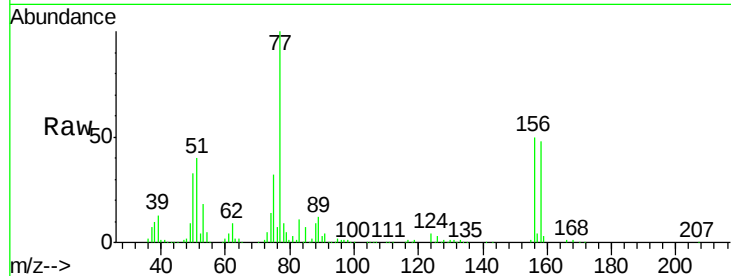
#73
Bromobenzene
Concen: 100.328 ug/l
RT: 12.50 min Scan# 3336
Delta R.T. -0.00 min
Lab File: VN061395.D
Acq: 14 May 2020 15:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
156	100	159490		
77	242.0	0.0	456.0	
158	97.4	0.0	195.4	

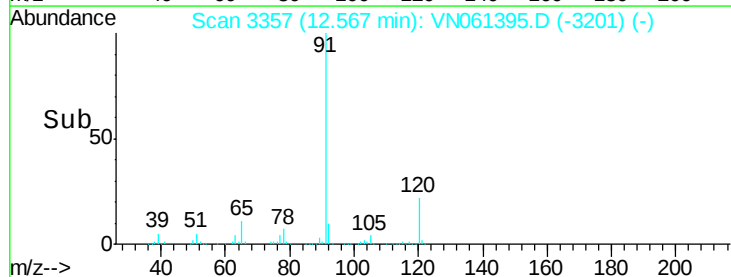
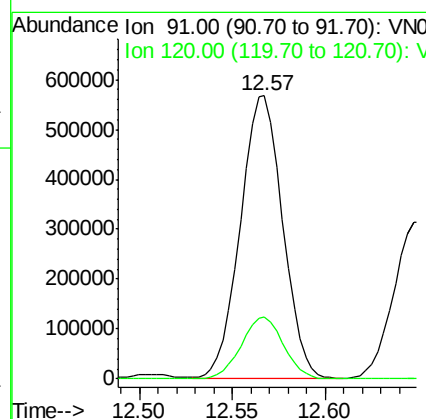
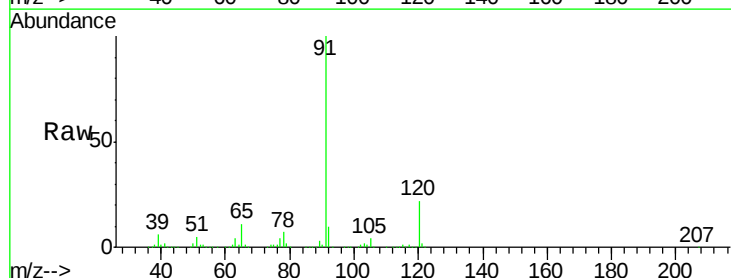
Manual Integrations
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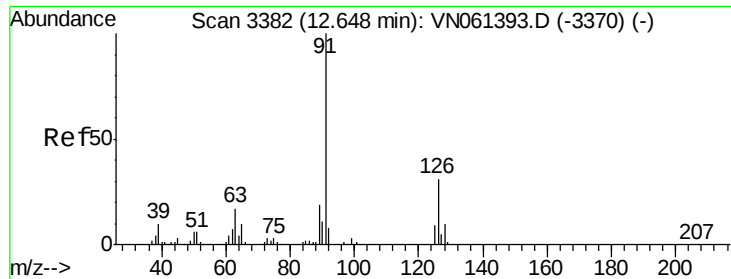
MMDadoda
5/15/2020 2:10:44 PM



#74
n-propylbenzene
Concen: 114.289 ug/l
RT: 12.57 min Scan# 3357
Delta R.T. 0.00 min
Lab File: VN061395.D
Acq: 14 May 2020 15:23

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	902334		
120	21.7	0.0	43.6	





#75

2-Chlorotoluene

Concen: 109.335 ug/l

RT: 12.65 min Scan# 3382

Delta R.T. -0.00 min

Lab File: VN061395.D

Acq: 14 May 2020 15:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 91 Resp: 518032

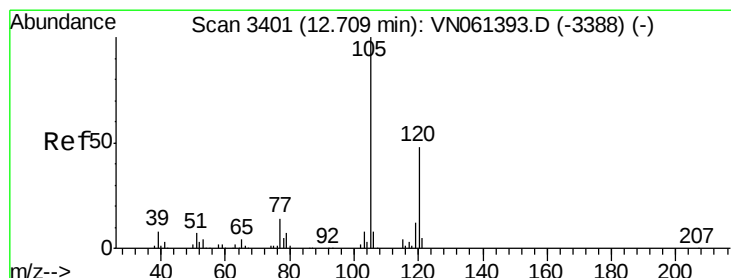
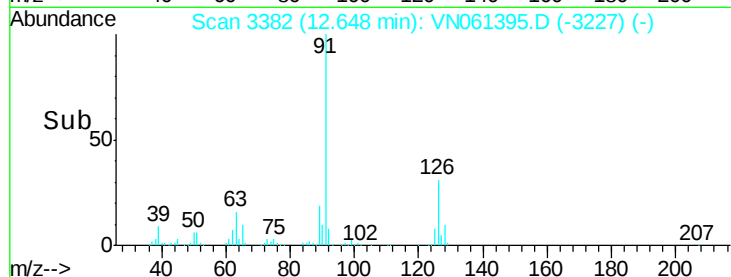
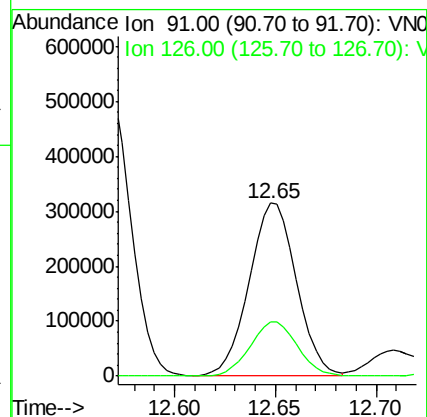
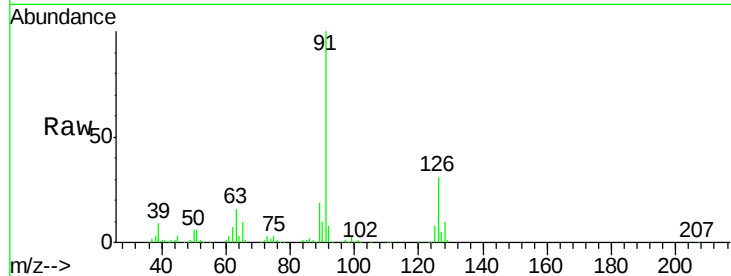
Ion Ratio Lower Upper

91 100

126 31.4 0.0 65.4

Manual Integrations
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#76

1,3,5-Trimethylbenzene

Concen: 110.933 ug/l

RT: 12.71 min Scan# 3401

Delta R.T. -0.00 min

Lab File: VN061395.D

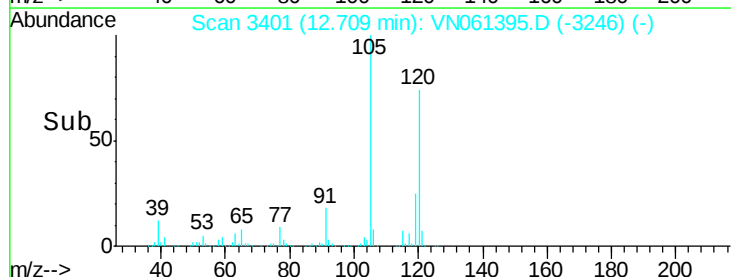
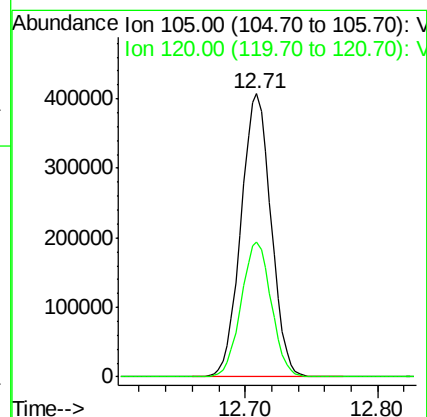
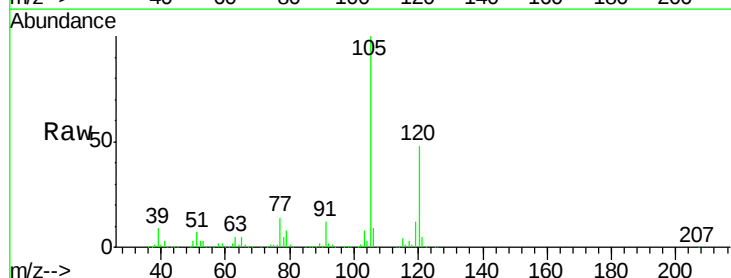
Acq: 14 May 2020 15:23

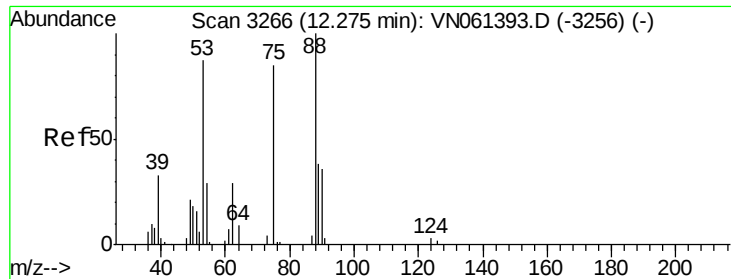
Tgt Ion: 105 Resp: 638749

Ion Ratio Lower Upper

105 100

120 47.9 0.0 94.0





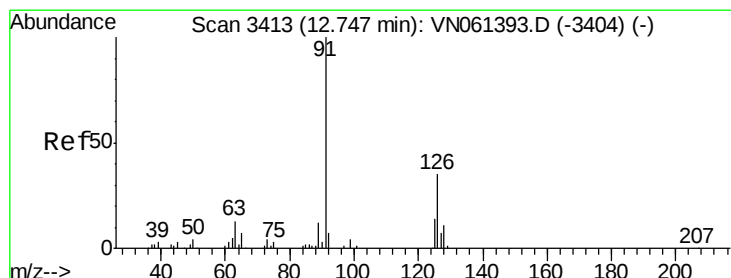
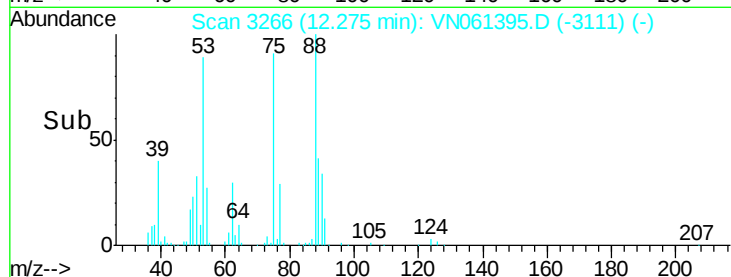
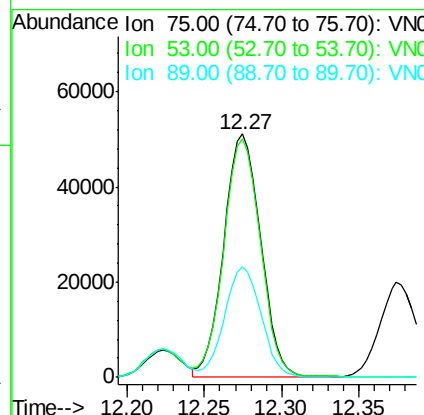
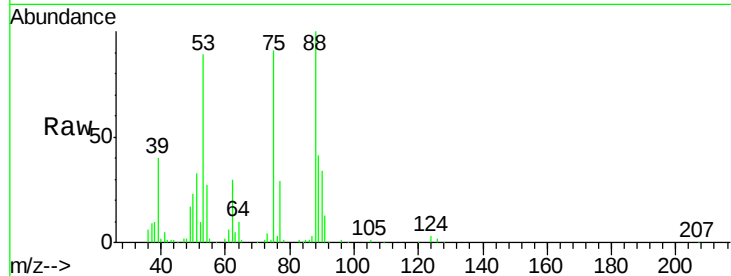
#77
t-1,4-Dichloro-2-butene
Concen: 108.787 ug/l
RT: 12.27 min Scan# 3266
Delta R.T. -0.00 min
Lab File: VN061395.D
Acq: 14 May 2020 15:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
75	100		
53	97.8	50.0	150.0
89	45.5	20.7	62.1

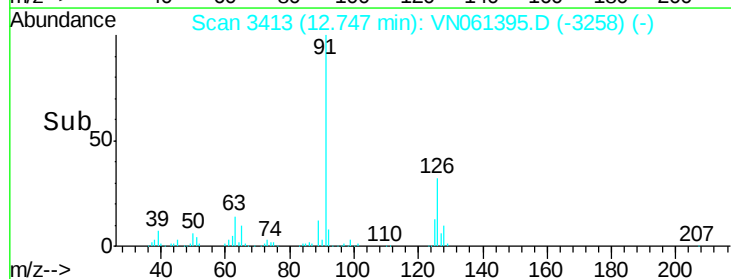
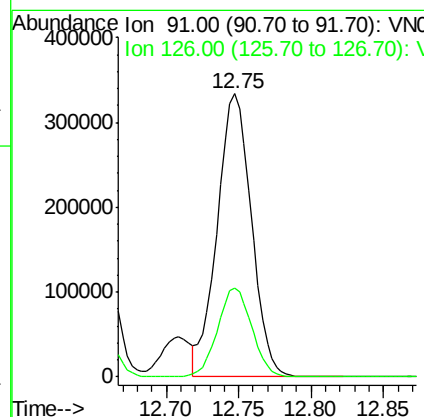
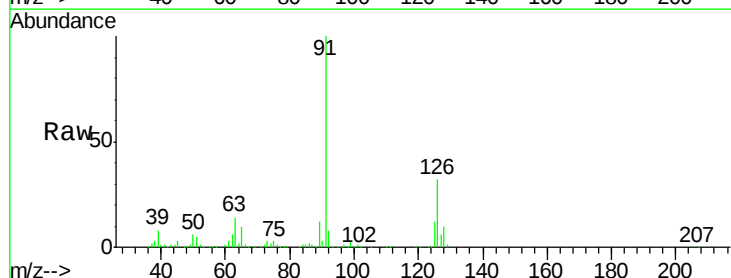
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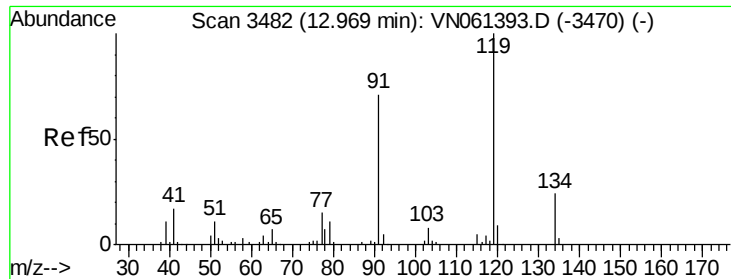
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#78
4-Chlorotoluene
Concen: 112.101 ug/l
RT: 12.75 min Scan# 3413
Delta R.T. -0.00 min
Lab File: VN061395.D
Acq: 14 May 2020 15:23

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.4	0.0	63.4





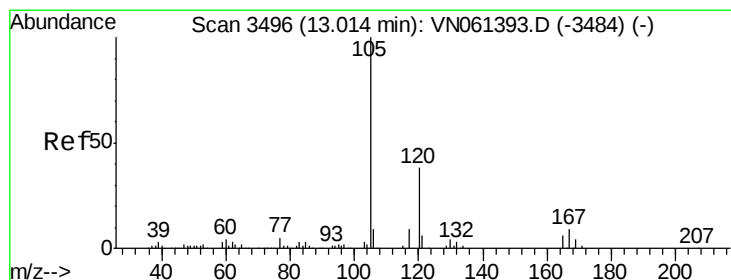
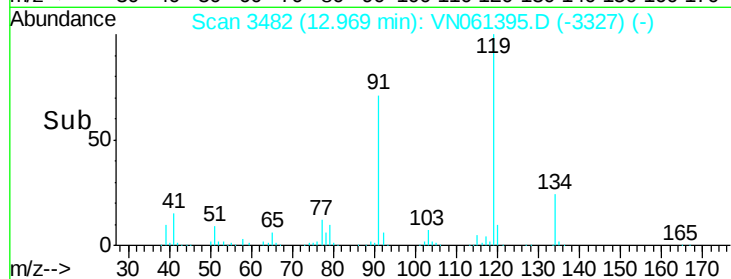
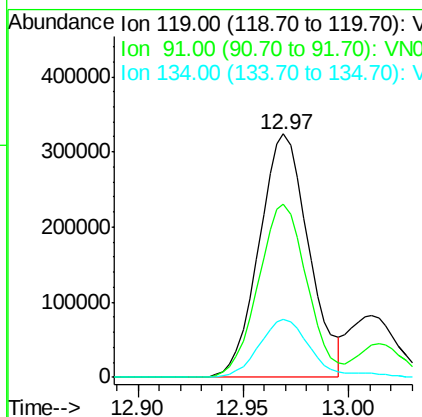
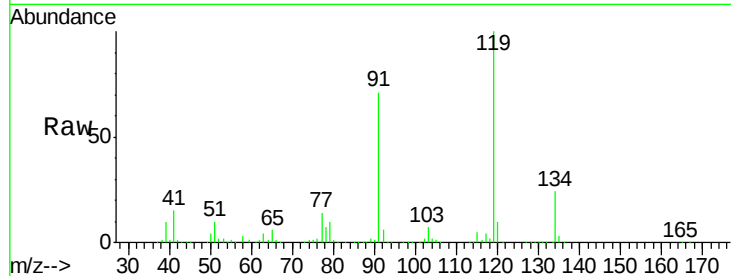
#79
tert-butylbenzene
Concen: 108.214 ug/l
RT: 12.97 min Scan# 3482
Delta R.T. -0.00 min
Lab File: VN061395.D
Acq: 14 May 2020 15:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
119	100	530118		
91	70.4	0.0	136.4	
134	24.0	0.0	47.2	

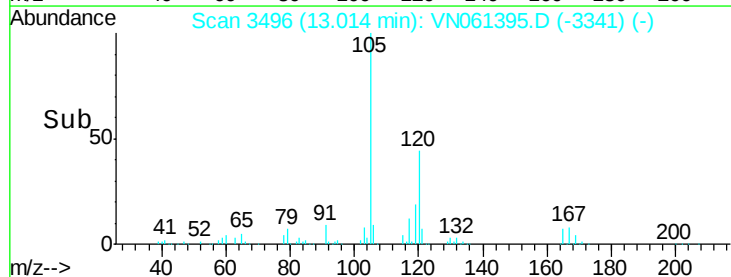
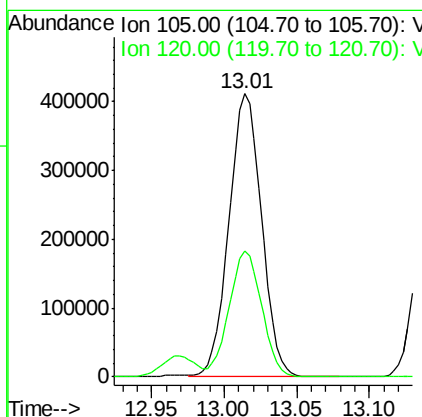
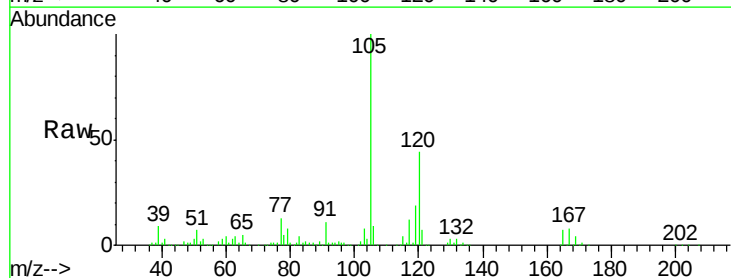
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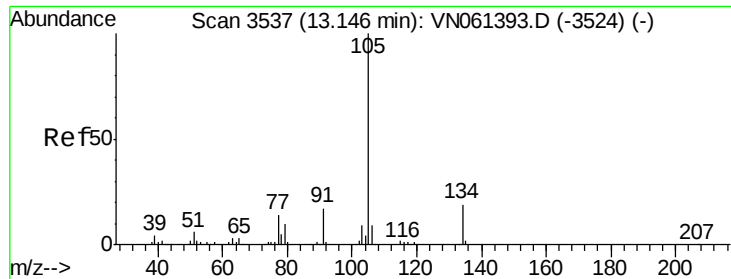
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#80
1,2,4-Trimethylbenzene
Concen: 112.104 ug/l
RT: 13.01 min Scan# 3496
Delta R.T. -0.00 min
Lab File: VN061395.D
Acq: 14 May 2020 15:23

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	640103		
120	44.8	0.0	89.2	





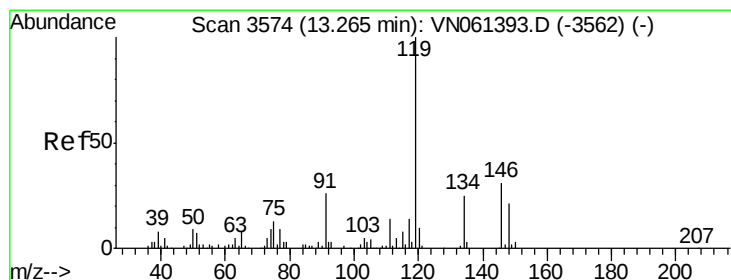
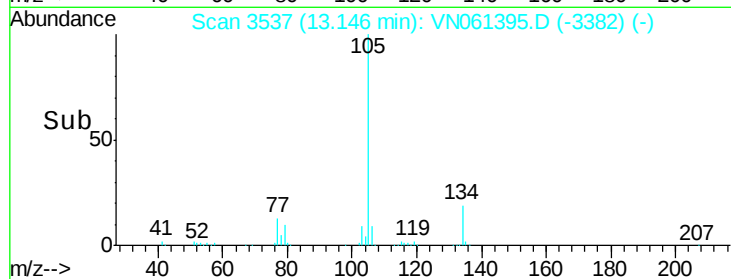
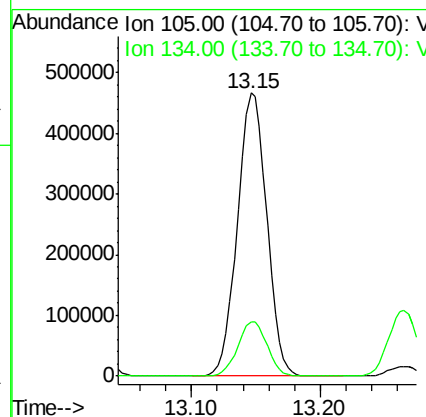
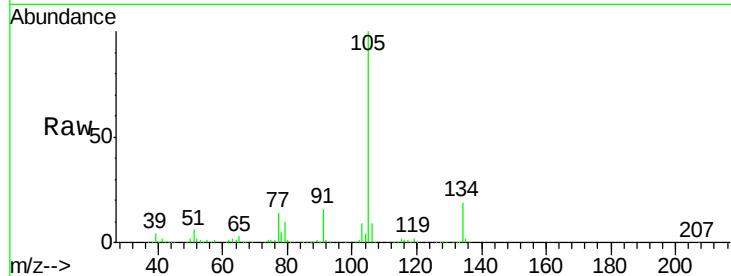
#81
 sec-Butylbenzene
 Concen: 111.399 ug/l
 RT: 13.15 min Scan# 3537
 Delta R.T. -0.00 min
 Lab File: VN061395.D
 Acq: 14 May 2020 15:23

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
105	100	736972		
134	19.2	0.0	38.0	

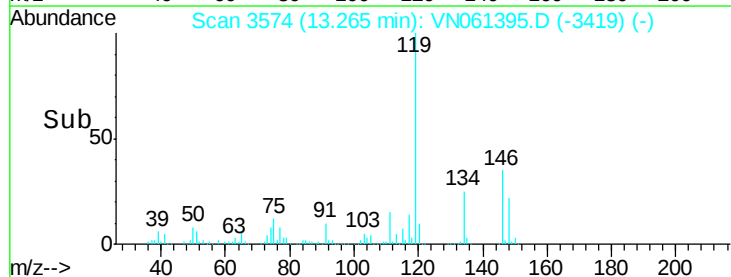
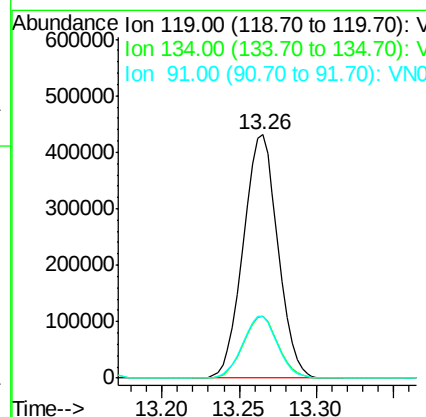
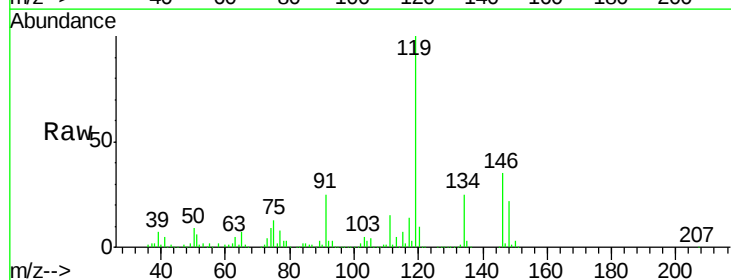
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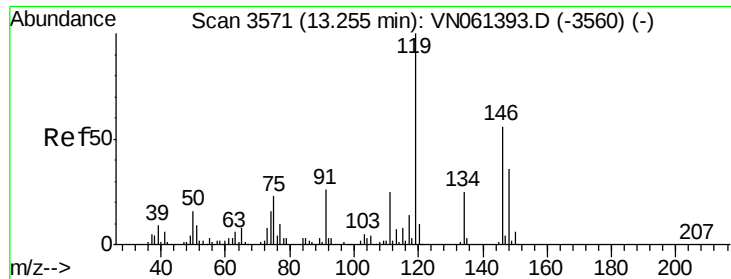
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#82
 p-Isopropyltoluene
 Concen: 112.787 ug/l
 RT: 13.26 min Scan# 3574
 Delta R.T. -0.00 min
 Lab File: VN061395.D
 Acq: 14 May 2020 15:23

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	670389		
134	25.5	0.0	50.8	
91	25.4	0.0	49.4	





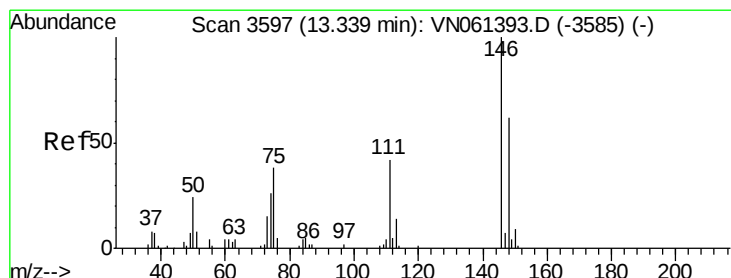
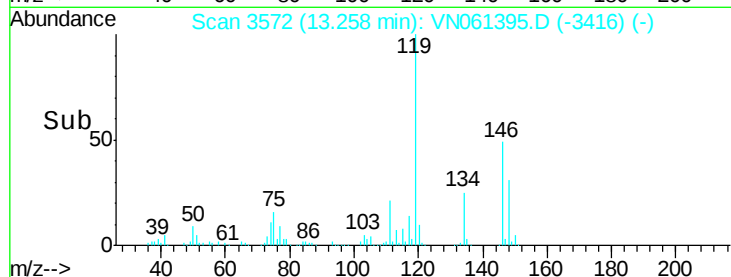
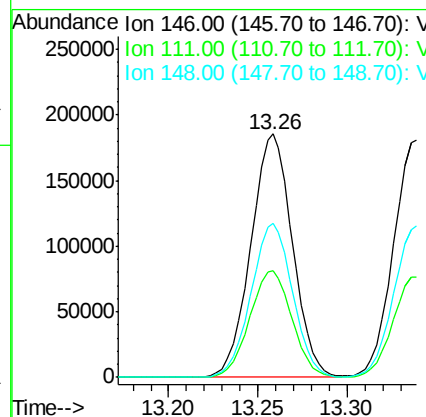
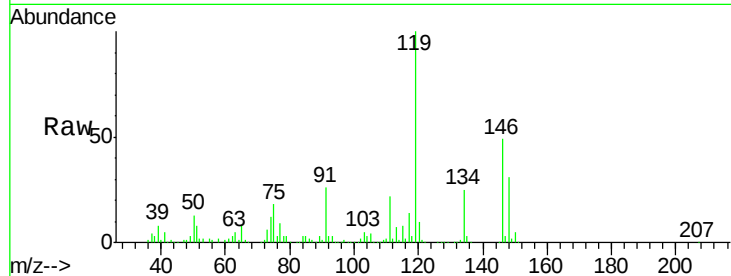
#83
 1,3-Dichlorobenzene
 Concen: 104.736 ug/l
 RT: 13.26 min Scan# 3572
 Delta R.T. 0.00 min
 Lab File: VN061395.D
 Acq: 14 May 2020 15:23

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.5	21.0	63.0
148	63.2	31.7	95.1

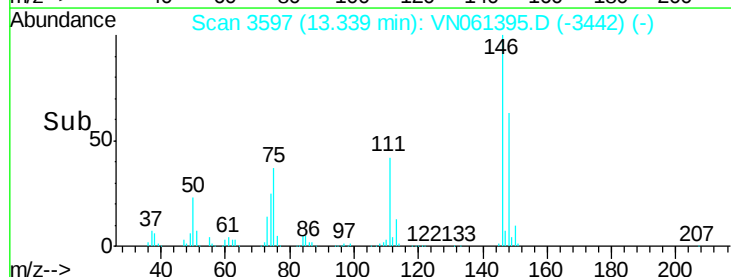
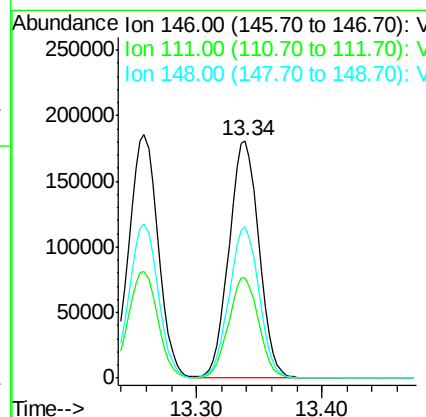
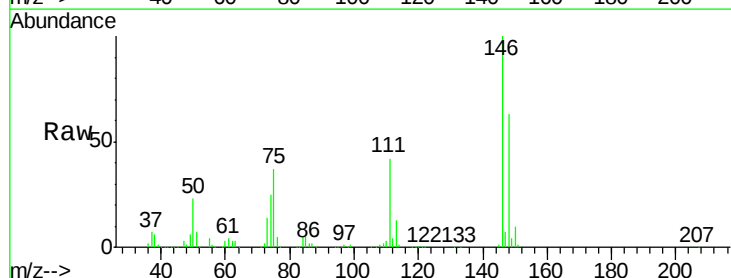
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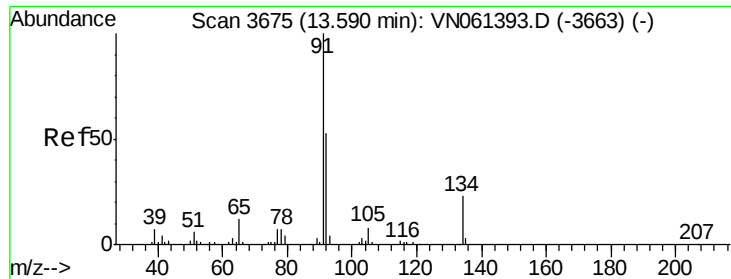
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#84
 1,4-Dichlorobenzene
 Concen: 103.932 ug/l
 RT: 13.34 min Scan# 3597
 Delta R.T. -0.00 min
 Lab File: VN061395.D
 Acq: 14 May 2020 15:23

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.1	19.8	59.4
148	63.3	31.6	94.8





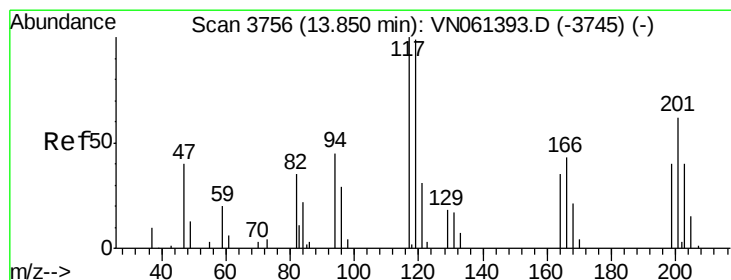
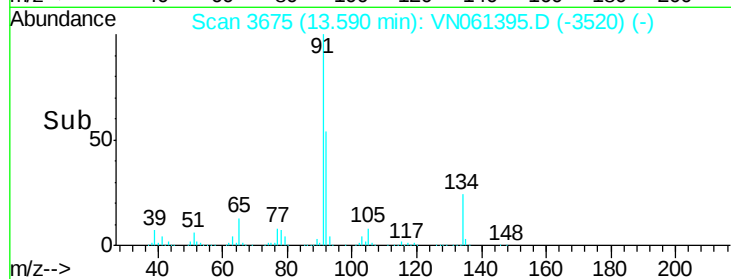
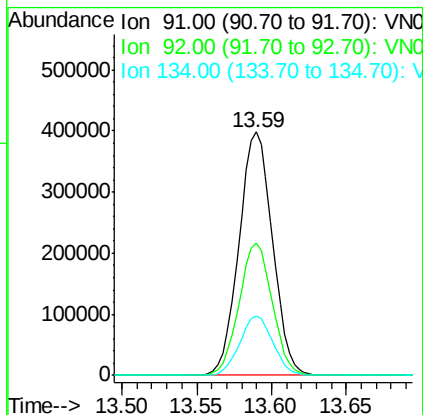
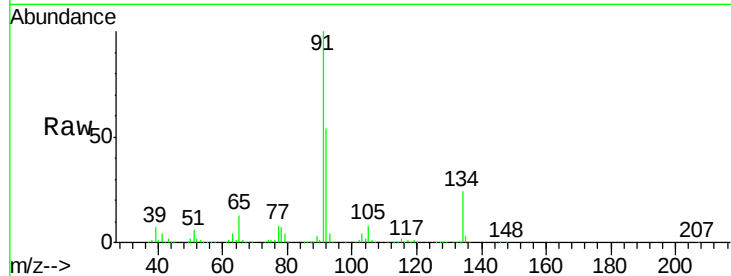
#85
n-Butylbenzene
Concen: 113.125 ug/l
RT: 13.59 min Scan# 3675
Delta R.T. -0.00 min
Lab File: VN061395.D
Acq: 14 May 2020 15:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.7	0.0	102.8
134	24.3	0.0	48.6

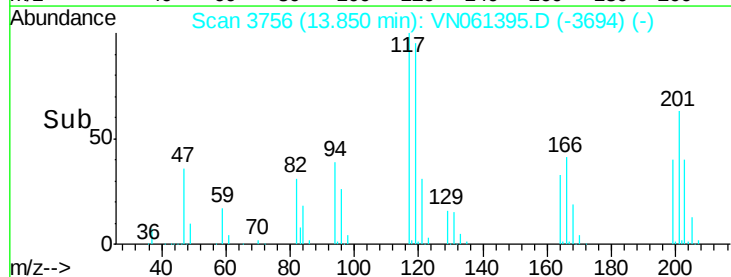
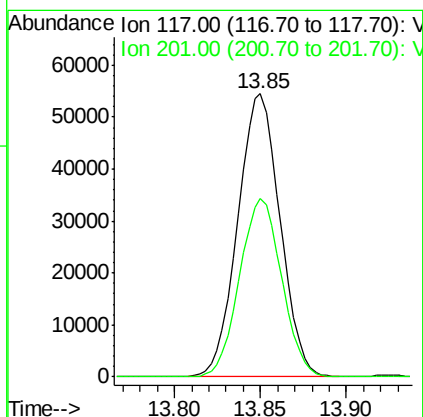
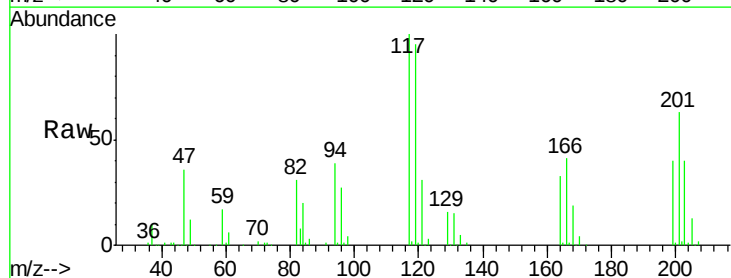
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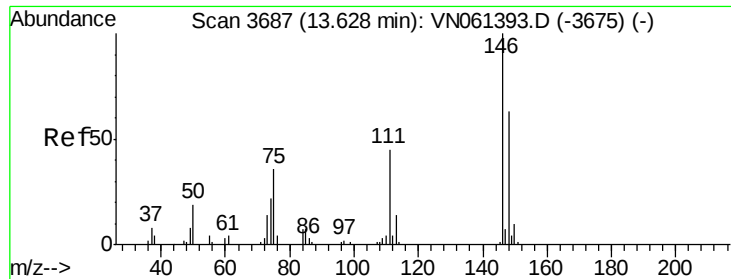
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#86
Hexachloroethane
Concen: 90.683 ug/l
RT: 13.85 min Scan# 3756
Delta R.T. -0.00 min
Lab File: VN061395.D
Acq: 14 May 2020 15:23

Tgt Ion	Ratio	Lower	Upper
117	100		
201	62.6	38.7	116.1





#87

1,2-Dichlorobenzene

Concen: 100.793 ug/l

RT: 13.63 min Scan# 3687

Delta R.T. -0.00 min

Lab File: VN061395.D

Acq: 14 May 2020 15:23

Instrument :

MSVOA_N

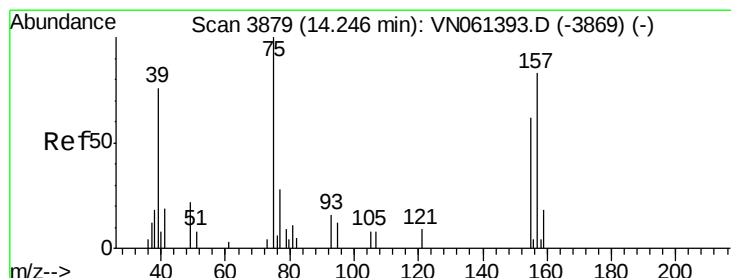
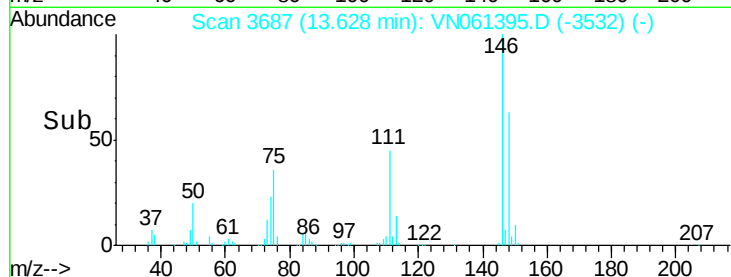
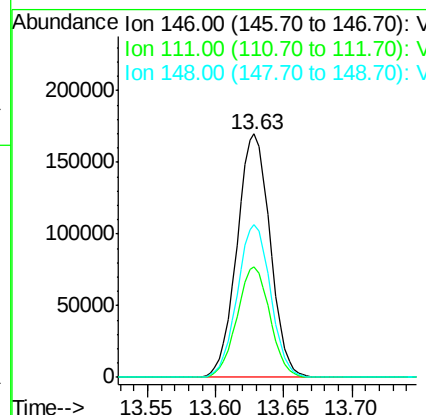
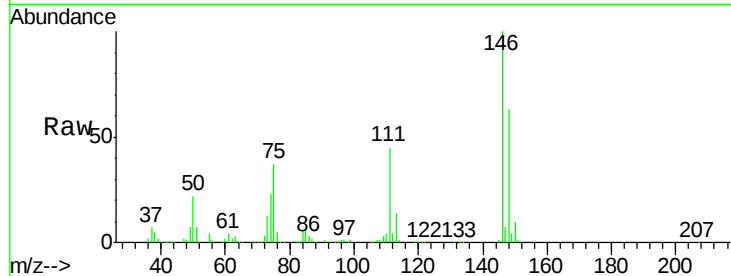
ClientSampled :

VSTDIC100

Tot Ion:	146	Resp:	287027
Ion Ratio		Lower	Upper
146	100		
111	45.0	21.8	65.4
148	62.9	32.1	96.5

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#88

1,2-Dibromo-3-Chloropropane

Concen: 89.112 ug/l

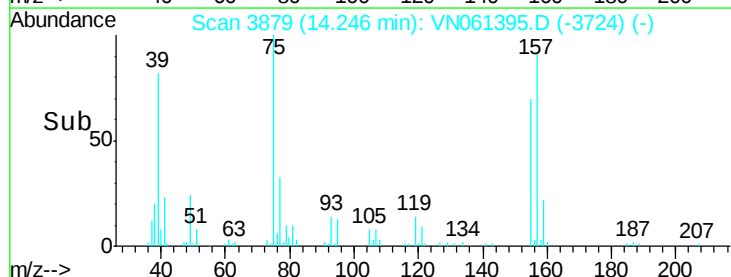
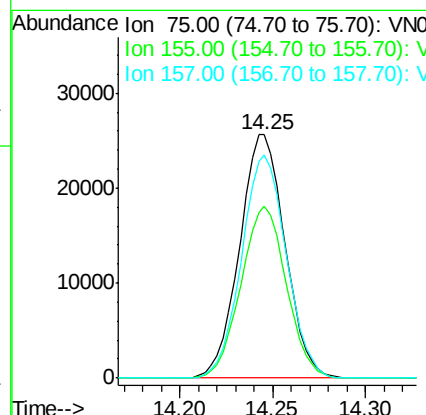
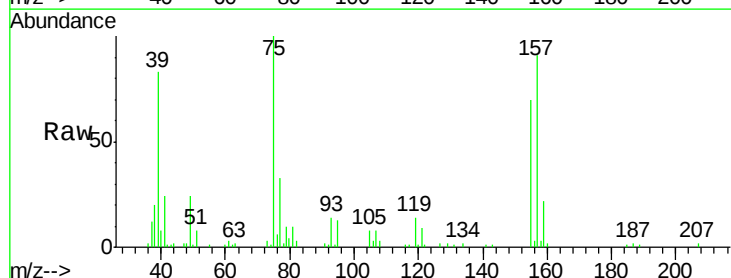
RT: 14.25 min Scan# 3879

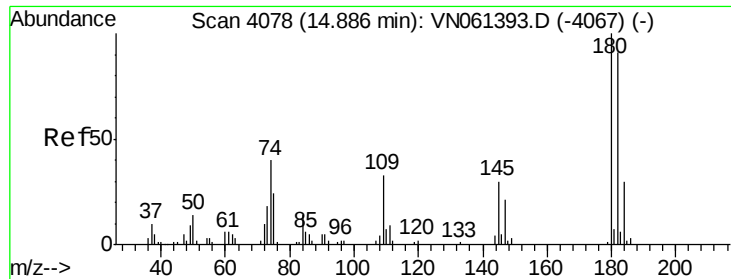
Delta R.T. -0.00 min

Lab File: VN061395.D

Acq: 14 May 2020 15:23

Tgt Ion:	75	Resp:	43545
Ion Ratio		Lower	Upper
75	100		
155	70.3	58.3	87.5
157	90.2	75.0	112.6





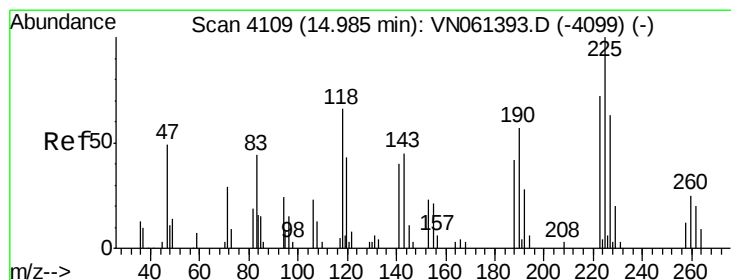
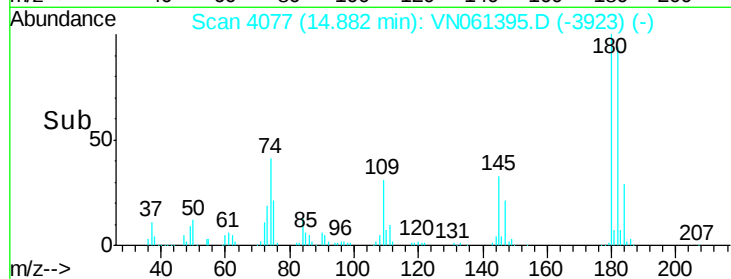
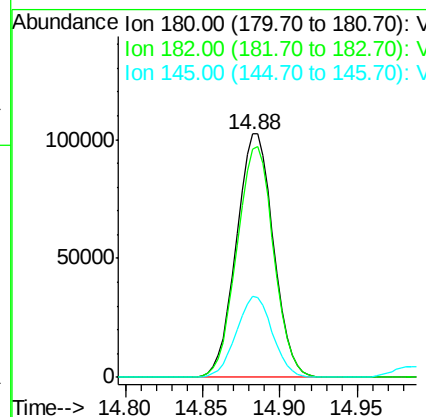
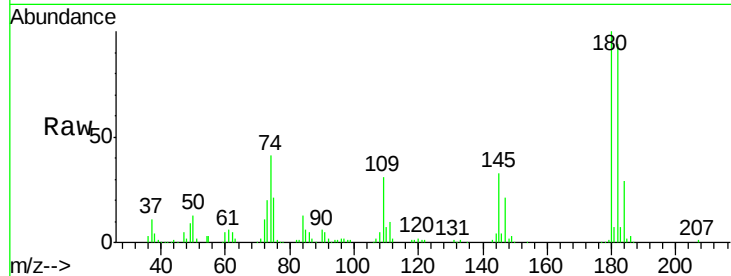
#89
1,2,4-Trichlorobenzene
Concen: 96.007 ug/l
RT: 14.88 min Scan# 4077
Delta R.T. -0.00 min
Lab File: VN061395.D
Acq: 14 May 2020 15:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
180	100	170393		
182	94.1	75.3	112.9	
145	32.5	24.8	37.2	

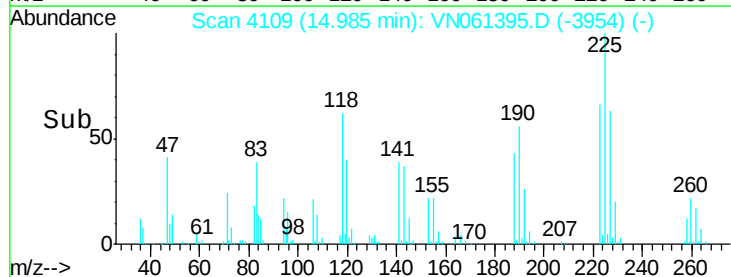
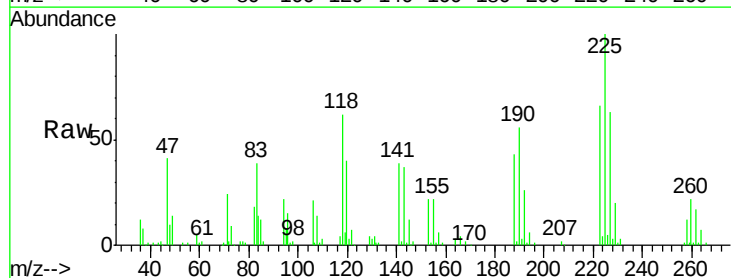
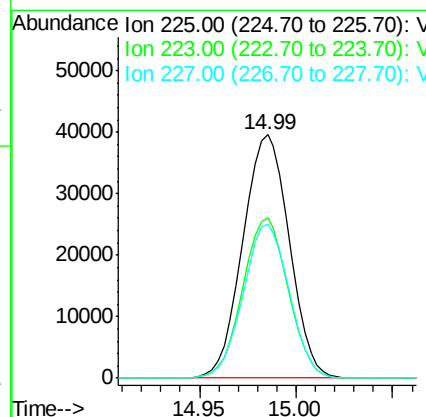
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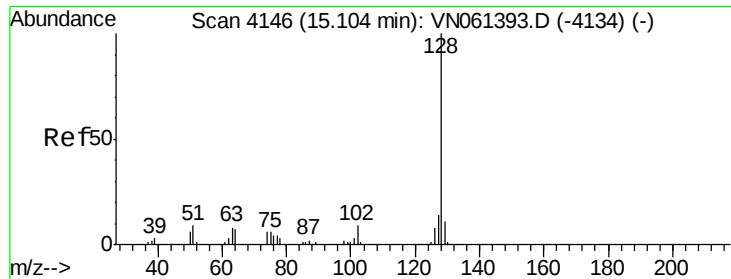
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#90
Hexachlorobutadiene
Concen: 75.257 ug/l
RT: 14.99 min Scan# 4109
Delta R.T. -0.00 min
Lab File: VN061395.D
Acq: 14 May 2020 15:23

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	66213		
223	64.4	0.0	126.2	
227	62.4	0.0	127.0	





#91

Naphthalene

Concen: 101.365 ug/l

RT: 15.10 min Scan# 4146

Delta R.T. -0.00 min

Lab File: VN061395.D

Acq: 14 May 2020 15:23

Instrument :

MSVOA_N

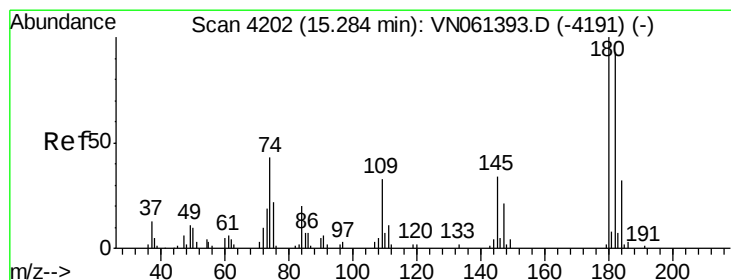
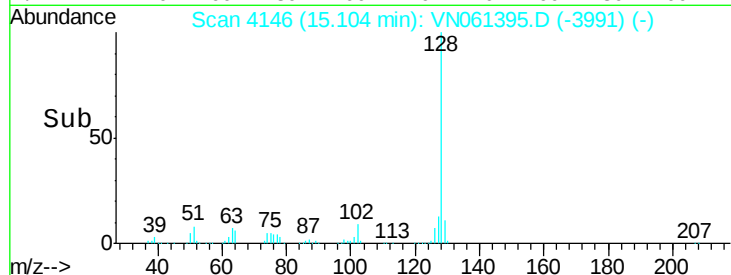
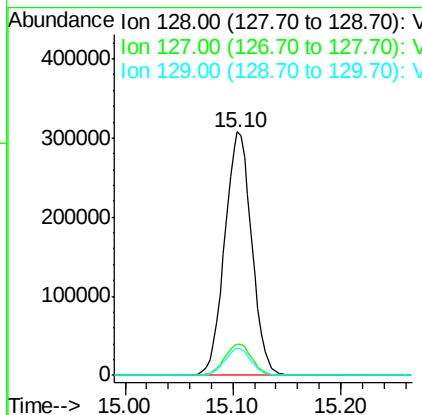
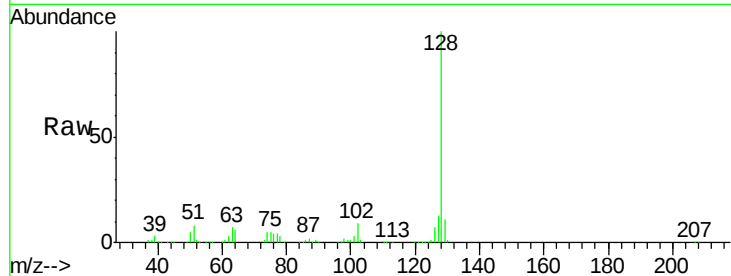
ClientSampled :

VSTDIC100

Tot Ion:	128	Resp:	534393
Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.2	15.2
129	10.9	8.6	13.0

Manual Integrations
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#92

1,2,3-Trichlorobenzene

Concen: 94.669 ug/l

RT: 15.28 min Scan# 4202

Delta R.T. -0.00 min

Lab File: VN061395.D

Acq: 14 May 2020 15:23

Tgt Ion:	180	Resp:	163094
Ion	Ratio	Lower	Upper
180	100		
182	94.1	0.0	193.4
145	34.7	0.0	65.8

