

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN051420\
 Data File : VN061394.D
 Acq On : 14 May 2020 15:00
 Operator : JC/MD
 Sample : VSTDIC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Manual Integrations
 APPROVED

MMDadoda
 5/15/2020 2:10:39 PM

Quant Time: May 14 15:42:17 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	19628	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.55	114	115583	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.38	117	108971	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	7.99	65	53801	31.91	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	106.37%
60) 4-Bromofluorobenzene	12.38	95	56739	30.07	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	100.23%
63) Toluene-d8	10.06	98	150273	29.39	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	97.97%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.83	85	44077	43.658	ug/l 99
3) Chloromethane	2.03	50	81781	55.928	ug/l 99
4) Vinyl Chloride	2.16	62	107871	66.955	ug/l 99
5) Bromomethane	2.54	94	56658	60.355	ug/l 99
6) Chloroethane	2.68	64	72756	69.978	ug/l 99
7) Trichlorofluoromethane	2.99	101	94149	49.290	ug/l 99
8) Diethyl Ether	3.37	74	36781	53.169	ug/l 98
9) 1,1,2-Trichlorotrifluoroet	3.72	101	49404	47.845	ug/l 94
10) 1,1-Dichloroethene	3.70	96	51690	50.573	ug/l 98
11) Methyl Iodide	3.91	142	56641	41.622	ug/l 98
12) Methyl Acetate	4.27	43	63836	40.729	ug/l 97
13) Acrolein	3.56	56	50779	270.906	ug/l 98
14) Acrylonitrile	4.93	53	150990	235.532	ug/l 98
15) Acetone	3.77	58	35136	190.999	ug/l 97
16) Carbon Disulfide	4.01	76	154003	50.894	ug/l 100
17) Allyl chloride	4.28	41	105190	51.221	ug/l 97
18) Methylene Chloride	4.50	84	62458	50.805	ug/l 93
19) trans-1,2-Dichloroethene	4.99	96	60919	54.094	ug/l 97
20) Diisopropyl ether	5.90	45	246810	57.321	ug/l 93
21) 1,1-Dichloroethane	5.80	63	129392	55.043	ug/l 98
22) cis-1,2-Dichloroethene	6.78	96	73839	54.750	ug/l 97
23) tert-Butyl Alcohol	4.72	59	47661	189.004	ug/l # 100
24) Methyl tert-Butyl Ether	4.99	73	212748	54.660	ug/l 98
25) Chloroform	7.33	83	126058	54.258	ug/l 97
26) Cyclohexane	7.62	56	123470	58.515	ug/l # 98
29) 1,1-Dichloropropene	7.75	75	101441	54.767	ug/l 98
30) 2-Butanone	6.78	43	212609	212.776	ug/l 100
31) 2,2-Dichloropropane	6.78	77	116574	53.278	ug/l 97
32) 1,1,1-Trichloroethane	7.53	97	114131	54.037	ug/l 99
33) Carbon Tetrachloride	7.73	117	87436	49.131	ug/l 98
34) Benzene	8.00	78	288154	53.286	ug/l 95
35) Methacrylonitrile	7.12	41	37194	39.694	ug/l 83
36) 1,2-Dichloroethane	8.08	62	111197	53.794	ug/l 99
37) Trichloroethene	8.80	130	71368	53.975	ug/l 97
38) Methylcyclohexane	9.05	83	119921	55.284	ug/l 96
39) 1,2-Dichloropropane	9.08	63	79005	53.416	ug/l 98
40) Dibromomethane	9.17	93	48428	52.468	ug/l 93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.37	83	107479	55.974	ug/l	100
42) Vinyl Acetate	5.84	43	1025901	281.162	ug/l	100
43) Ethyl Acetate	6.88	43	95134	47.605	ug/l	99
44) Isopropyl Acetate	8.12	43	179471	53.869	ug/l	100
45) 1,4-Dioxane	9.17	88	13894	607.080	ug/l	93
46) Methyl methacrylate	9.17	41	82455	53.516	ug/l	94
47) n-amyl Acetate	12.04	43	162172	54.833	ug/l	95
48) t-1,3-Dichloropropene	10.35	75	127199	56.721	ug/l	97
49) cis-1,3-Dichloropropene	9.81	75	132767	56.574	ug/l	95
50) 1,1,2-Trichloroethane	10.53	97	67955	51.850	ug/l	98
51) Ethyl methacrylate	10.40	69	118080	54.979	ug/l	94
52) 1,3-Dichloropropane	10.68	76	125820	53.176	ug/l	100
53) Dibromochloromethane	10.87	129	75060	52.952	ug/l	99
54) 1,2-Dibromoethane	10.98	107	69814	51.231	ug/l	100
55) 2-Chloroethyl vinyl ether	9.66	63	254736	248.473	ug/l	99
56) Bromoform	12.10	173	47649	49.227	ug/l #	99
58) 4-Methyl-2-Pentanone	9.95	43	489655	250.087	ug/l	99
59) 2-Hexanone	10.72	43	350887	231.326	ug/l	99
61) Tetrachloroethene	10.60	164	68977	57.769	ug/l	97
62) Toluene	10.12	91	315168	53.717	ug/l	98
64) Chlorobenzene	11.41	112	187573	52.678	ug/l	98
65) 1,1,1,2-Tetrachloroethane	11.48	131	68490	51.465	ug/l	99
66) Ethyl Benzene	11.48	91	361423	55.322	ug/l	100
67) m/p-Xylenes	11.60	106	267518	109.822	ug/l	97
68) o-Xylene	11.92	106	129575	54.817	ug/l	100
69) Styrene	11.94	104	223055	56.816	ug/l	99
70) Isopropylbenzene	12.22	105	346501	54.578	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.48	83	95752	46.208	ug/l	97
72) 1,2,3-Trichloropropane	12.53	75	89334m	46.969	ug/l	
73) Bromobenzene	12.50	156	73200	48.905	ug/l	92
74) n-propylbenzene	12.57	91	416078	55.971	ug/l	100
75) 2-Chlorotoluene	12.65	91	239942	53.785	ug/l	98
76) 1,3,5-Trimethylbenzene	12.71	105	295324	54.473	ug/l	99
77) t-1,4-Dichloro-2-butene	12.27	75	39093	53.162	ug/l	95
78) 4-Chlorotoluene	12.75	91	252873	54.881	ug/l	99
79) tert-butylbenzene	12.97	119	244785	53.069	ug/l	98
80) 1,2,4-Trimethylbenzene	13.01	105	294777	54.829	ug/l	100
81) sec-Butylbenzene	13.15	105	341051	54.752	ug/l	100
82) p-Isopropyltoluene	13.26	119	304524	54.413	ug/l	99
83) 1,3-Dichlorobenzene	13.26	146	135533	49.886	ug/l	99
84) 1,4-Dichlorobenzene	13.34	146	136857	50.408	ug/l	97
85) n-Butylbenzene	13.59	91	287615	55.705	ug/l	98
86) Hexachloroethane	13.85	117	42177	43.576	ug/l	81
87) 1,2-Dichlorobenzene	13.63	146	129918	48.454	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	14.25	75	20771	45.145	ug/l	94
89) 1,2,4-Trichlorobenzene	14.89	180	75830	45.378	ug/l	99
90) Hexachlorobutadiene	14.99	225	30728	37.093	ug/l	98
91) Naphthalene	15.10	128	240315	48.412	ug/l	99
92) 1,2,3-Trichlorobenzene	15.29	180	73578	45.360	ug/l	98

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ClientSampleId :
VSTDICC050

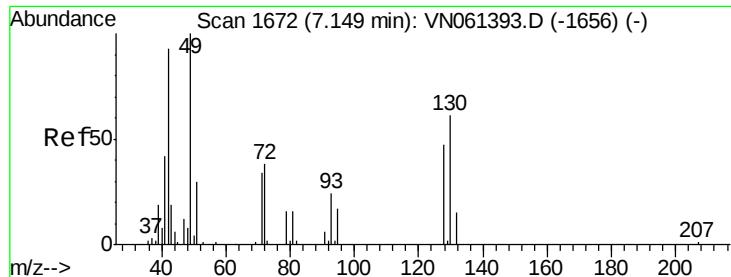
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.15 min Scan# 1673

Delta R.T. 0.00 min

Lab File: VN061394.D

Acq: 14 May 2020 15:00

Instrument :

MSVOA_N

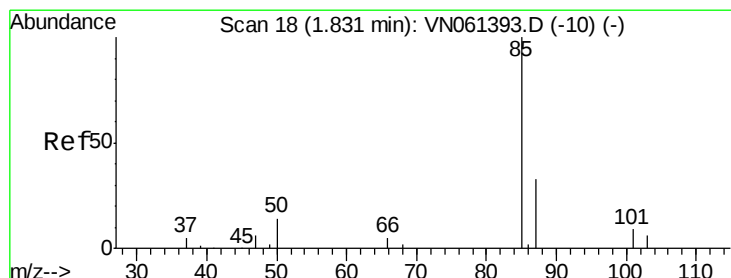
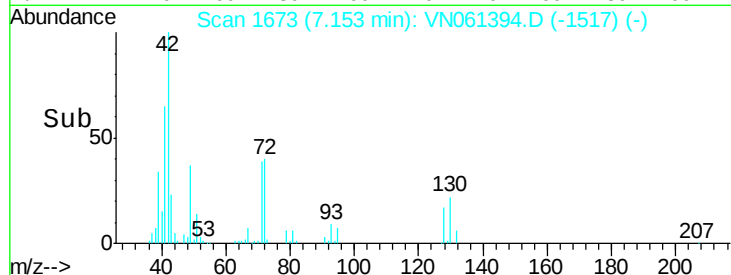
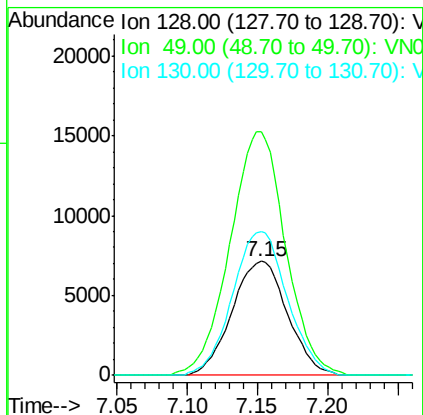
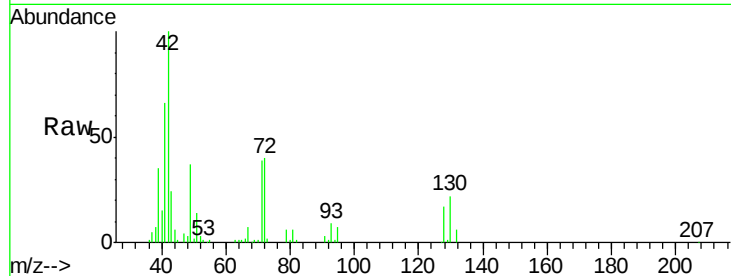
ClientSampleId :

VSTDIC050

Tot Ion:	128	Resp:	19628
Ion	Ratio	Lower	Upper
128	100		
49	213.7	0.0	453.5
130	124.8	0.0	314.2

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#2

Dichlorodifluoromethane

Concen: 43.658 ug/l

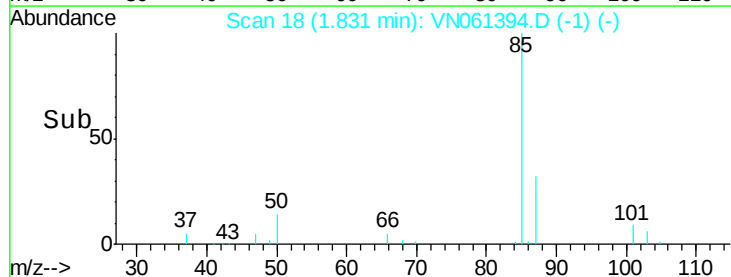
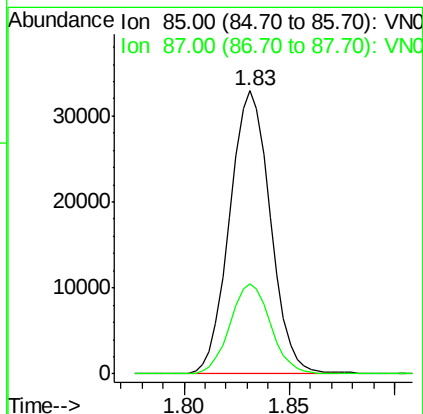
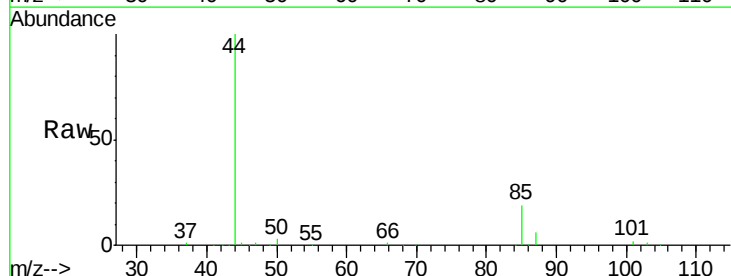
RT: 1.83 min Scan# 18

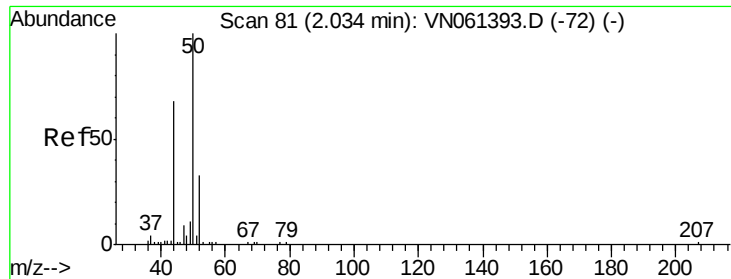
Delta R.T. -0.00 min

Lab File: VN061394.D

Acq: 14 May 2020 15:00

Tgt Ion:	85	Resp:	44077
Ion	Ratio	Lower	Upper
85	100		
87	32.0	15.7	47.0





#3

Chloromethane

Concen: 55.928 ug/l

RT: 2.03 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN061394.D

Acq: 14 May 2020 15:00

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

Tot Ion: 50 Resp: 81781

Ion Ratio Lower Upper

50 100

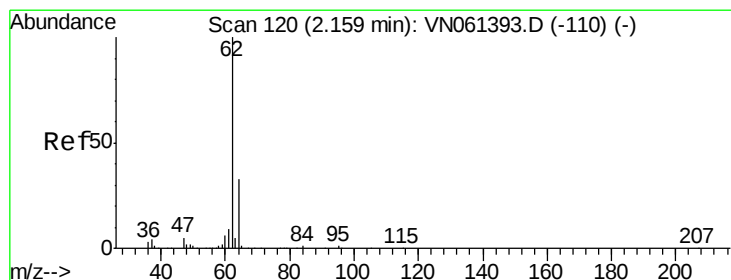
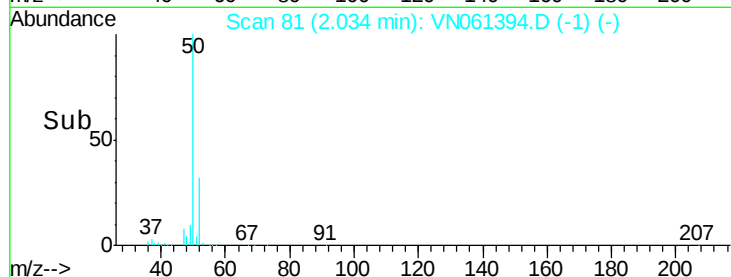
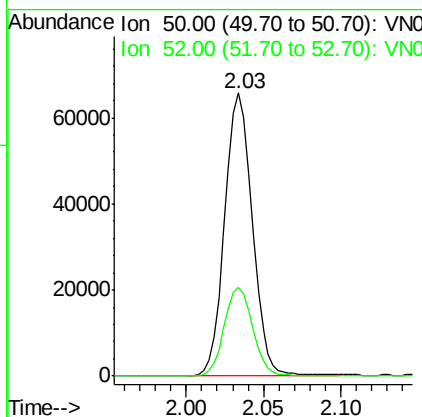
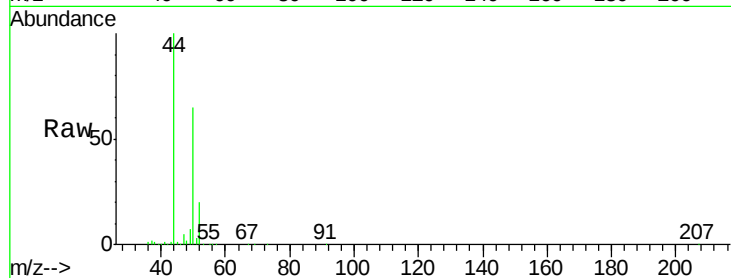
52 31.6 25.8 38.8

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#4

Vinyl Chloride

Concen: 66.955 ug/l

RT: 2.16 min Scan# 120

Delta R.T. -0.00 min

Lab File: VN061394.D

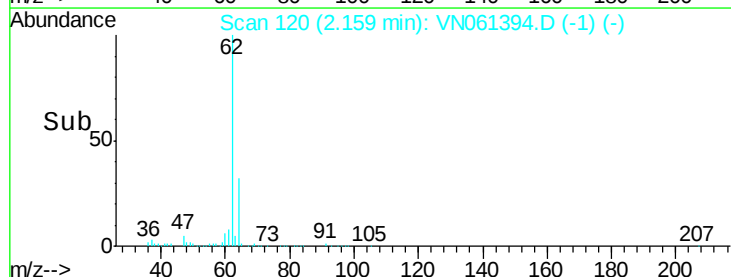
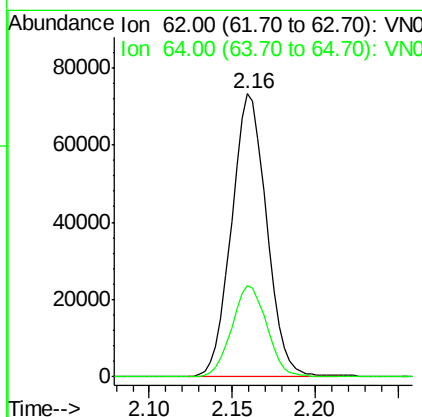
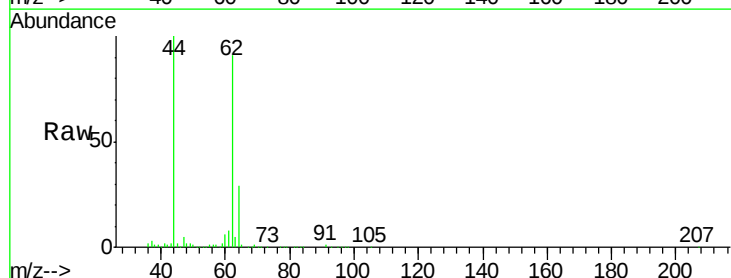
Acq: 14 May 2020 15:00

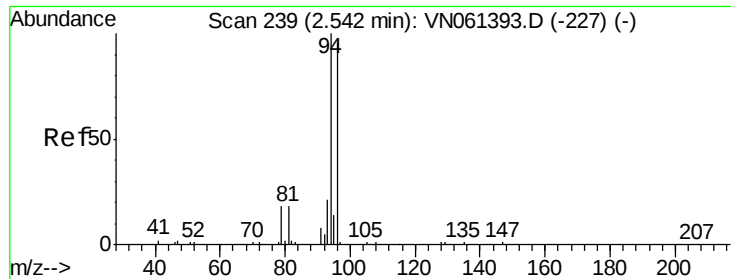
Tgt Ion: 62 Resp: 107871

Ion Ratio Lower Upper

62 100

64 32.1 26.1 39.1





#5

Bromomethane

Concen: 60.355 ug/l

RT: 2.54 min Scan# 239

Delta R.T. -0.00 min

Lab File: VN061394.D

Acq: 14 May 2020 15:00

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

Tot Ion: 94 Resp: 56658

Ion Ratio Lower Upper

94 100

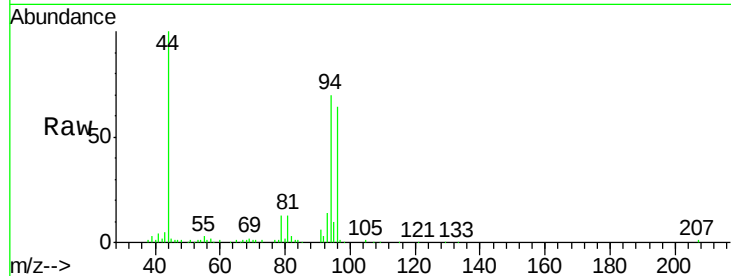
96 91.0 73.7 110.5

Manual Integrations

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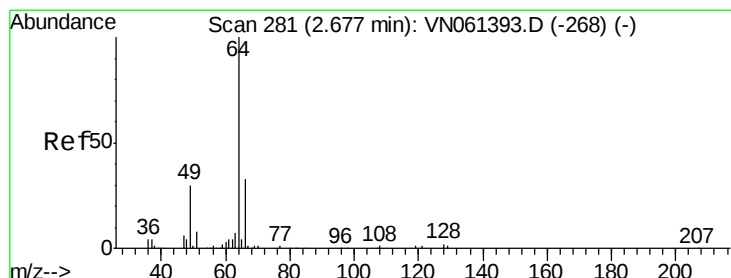
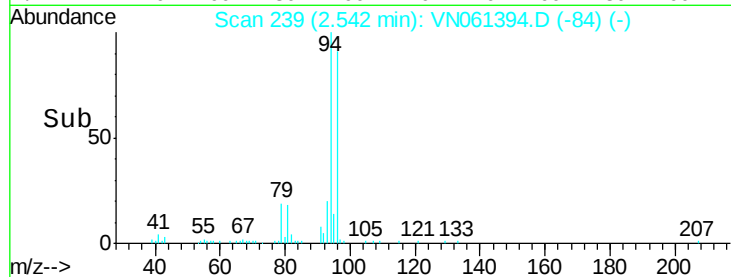
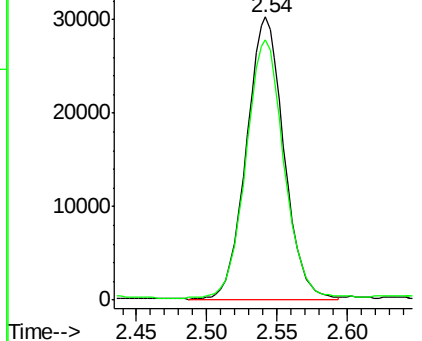
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Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0



#6

Chloroethane

Concen: 69.978 ug/l

RT: 2.68 min Scan# 281

Delta R.T. -0.00 min

Lab File: VN061394.D

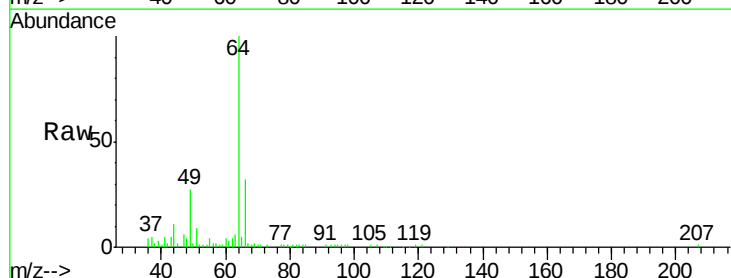
Acq: 14 May 2020 15:00

Tgt Ion: 64 Resp: 72756

Ion Ratio Lower Upper

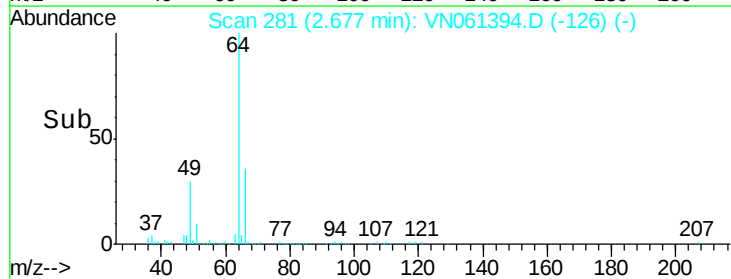
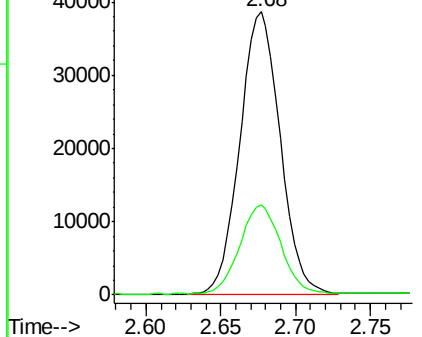
64 100

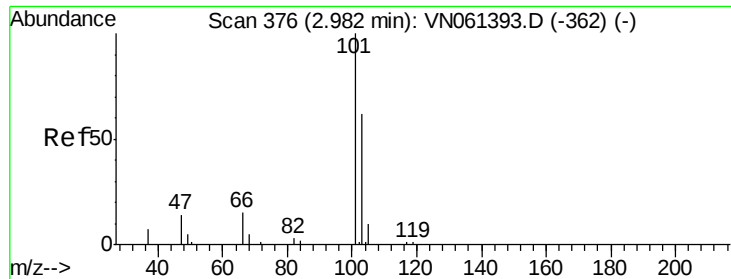
66 31.4 24.6 36.8



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0





#7

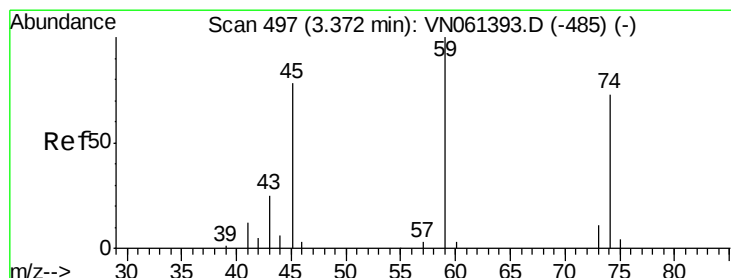
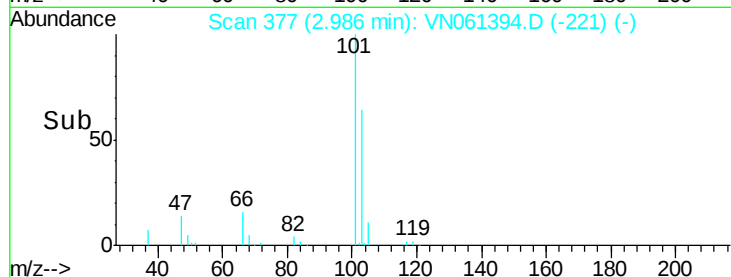
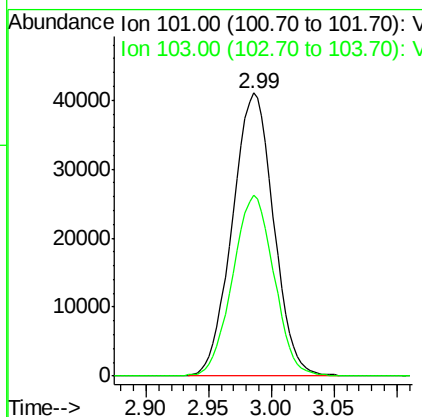
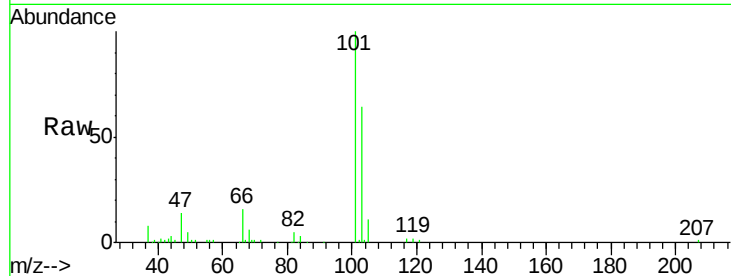
Trichlorofluoromethane
Concen: 49.290 ug/l
RT: 2.99 min Scan# 377
Delta R.T. 0.00 min
Lab File: VN061394.D
Acq: 14 May 2020 15:00

Instrument :
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VSTDIC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.7	51.5	77.3

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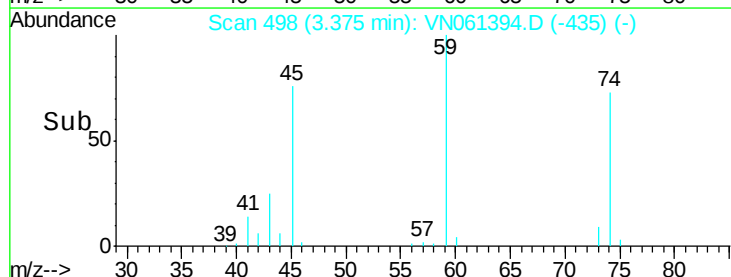
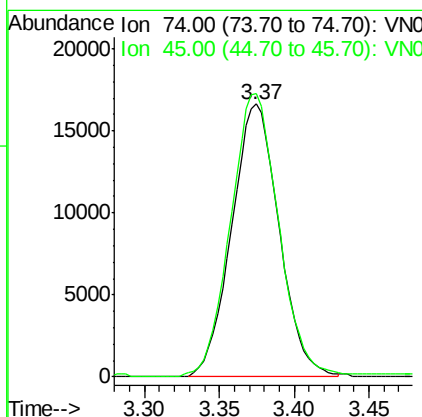
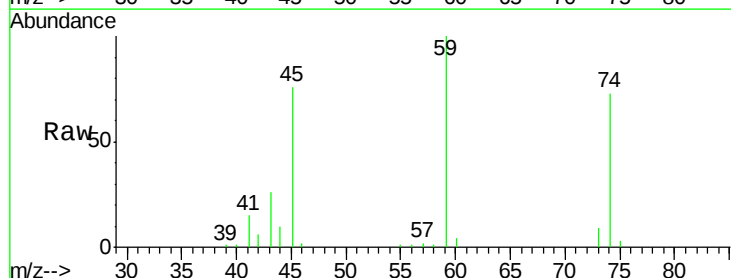
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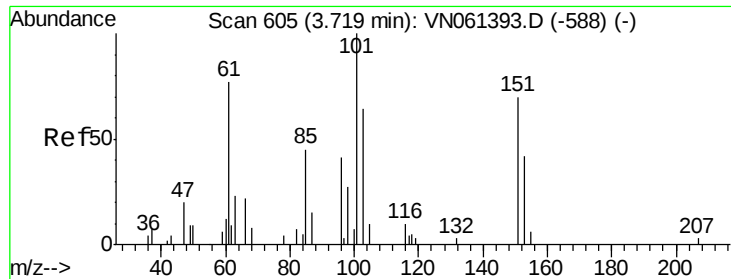


#8

Diethyl Ether
Concen: 53.169 ug/l
RT: 3.37 min Scan# 498
Delta R.T. 0.00 min
Lab File: VN061394.D
Acq: 14 May 2020 15:00

Tgt Ion	Ratio	Lower	Upper
74	100		
45	105.3	20.6	185.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.845 ug/l

RT: 3.72 min Scan# 605

Delta R.T. -0.00 min

Lab File: VN061394.D

Acq: 14 May 2020 15:00

Instrument :

MSVOA_N

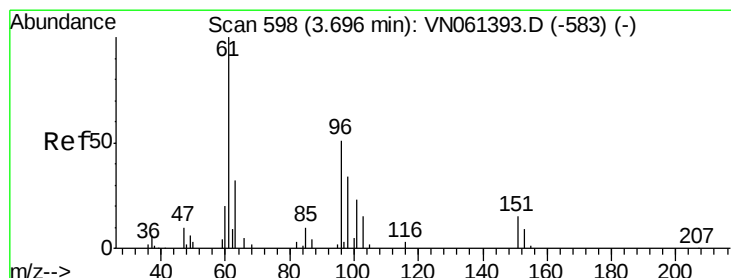
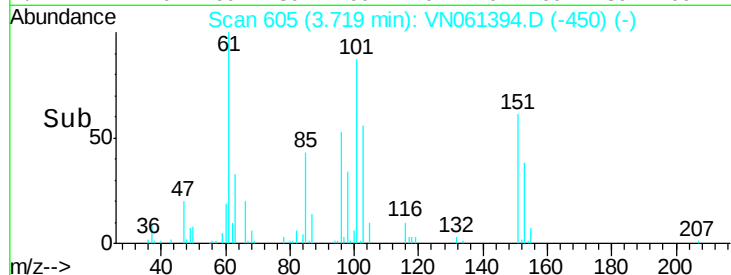
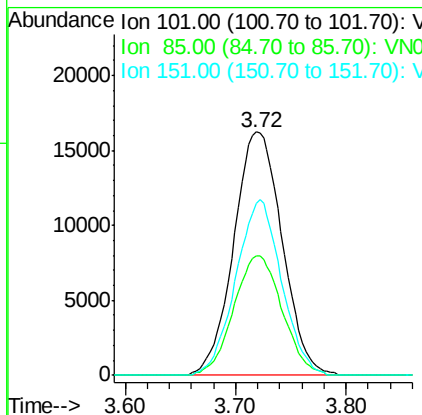
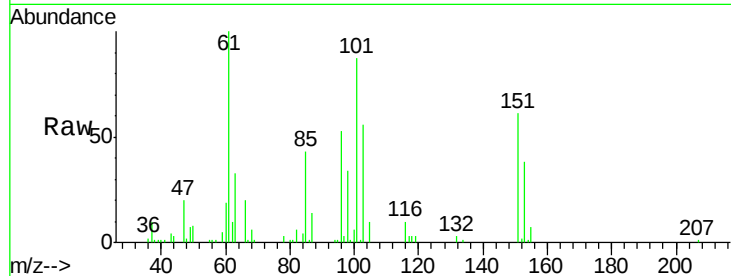
ClientSampleId :

VSTDIC050

Tot Ion:	101	Resp:	49404
Ion Ratio	Lower	Upper	
101	100		
85	49.0	0.0	93.8
151	67.9	0.0	149.6

Manual Integrations
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#10

1,1-Dichloroethene

Concen: 50.573 ug/l

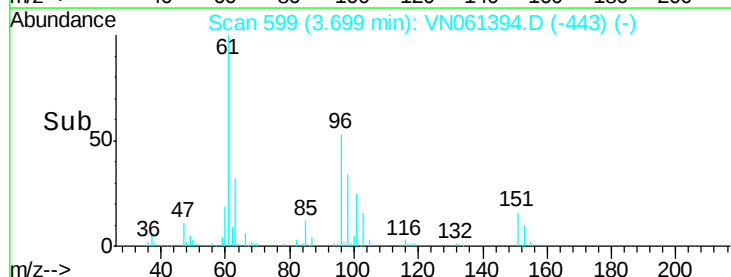
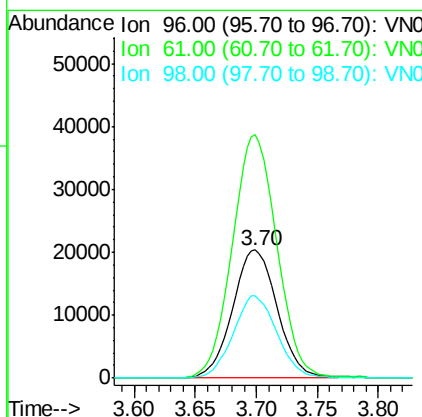
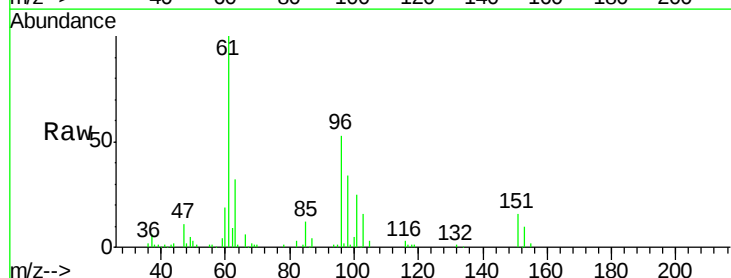
RT: 3.70 min Scan# 599

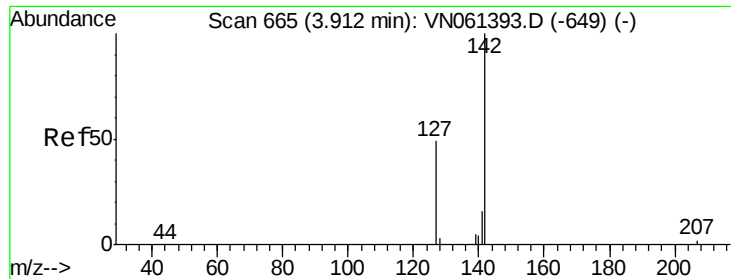
Delta R.T. 0.00 min

Lab File: VN061394.D

Acq: 14 May 2020 15:00

Tgt Ion:	96	Resp:	51690
Ion Ratio	Lower	Upper	
96	100		
61	189.3	148.5	222.7
98	64.2	51.0	76.6





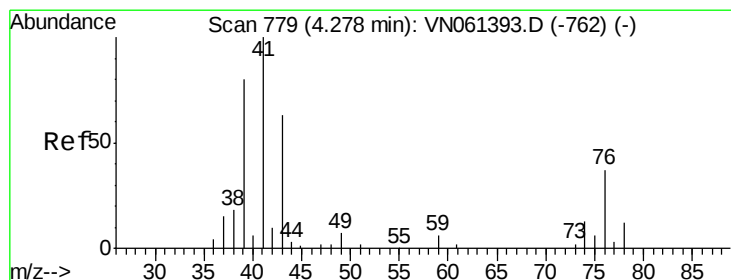
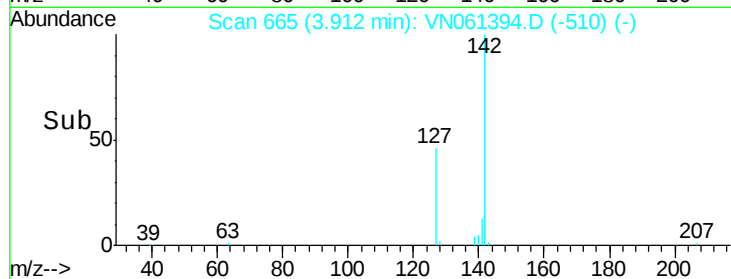
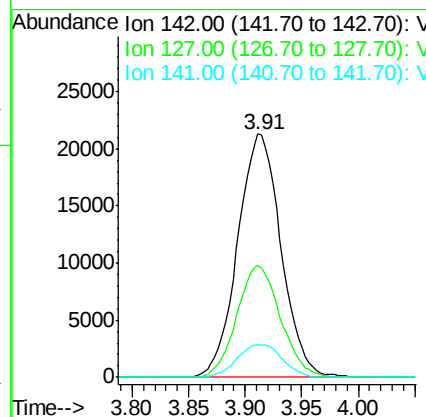
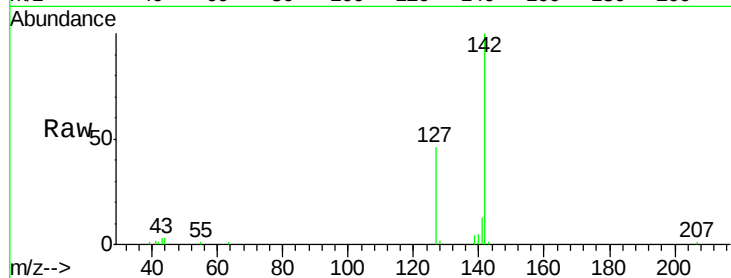
#11
Methvl Iodide
Concen: 41.622 ug/l
RT: 3.91 min Scan# 665
Delta R.T. -0.00 min
Lab File: VN061394.D
Acq: 14 May 2020 15:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
142	100		
127	45.9	23.5	70.6
141	13.3	7.4	22.2

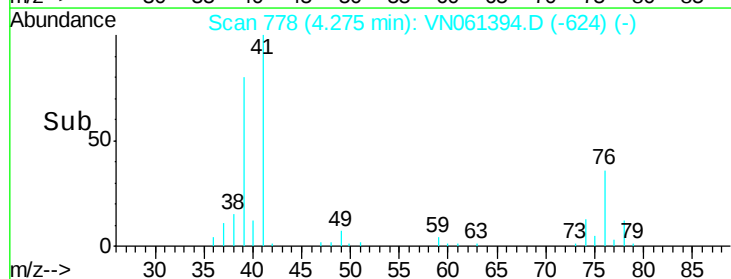
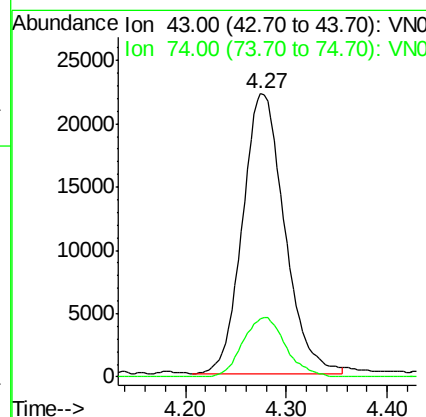
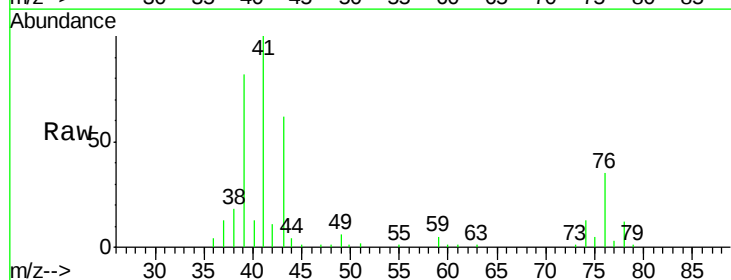
Manual Integrations
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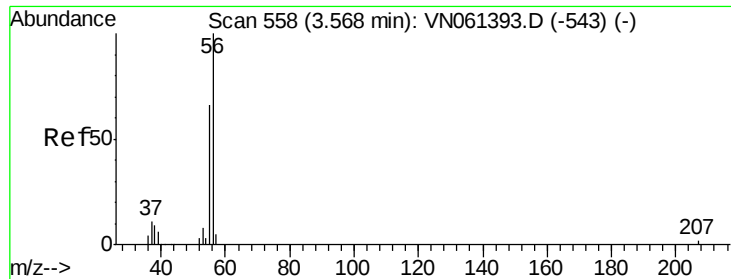
MMDadoda
5/15/2020 2:10:39 PM



#12
Methyl Acetate
Concen: 40.729 ug/l
RT: 4.27 min Scan# 778
Delta R.T. -0.00 min
Lab File: VN061394.D
Acq: 14 May 2020 15:00

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.1	18.1	27.1





#13

Acrolein

Concen: 270.906 ug/l

RT: 3.56 min Scan# 557

Delta R.T. -0.00 min

Lab File: VN061394.D

Acq: 14 May 2020 15:00

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

Tot Ion: 56 Resp: 50779

Ion Ratio Lower Upper

56 100

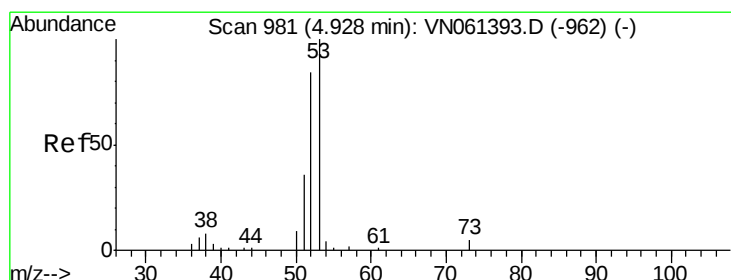
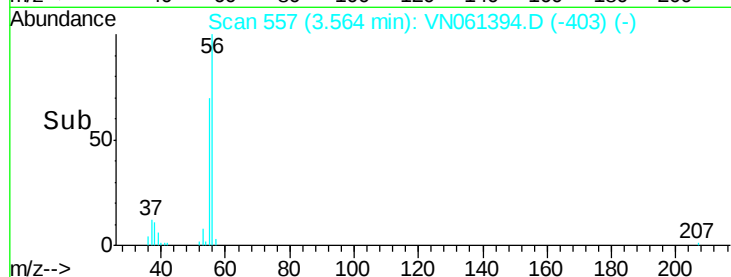
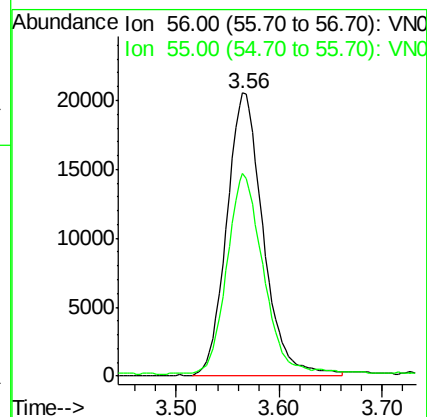
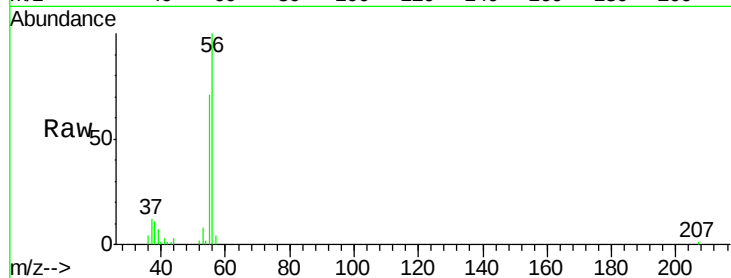
55 68.3 55.9 83.9

Manual Integrations

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#14

Acrylonitrile

Concen: 235.532 ug/l

RT: 4.93 min Scan# 982

Delta R.T. 0.00 min

Lab File: VN061394.D

Acq: 14 May 2020 15:00

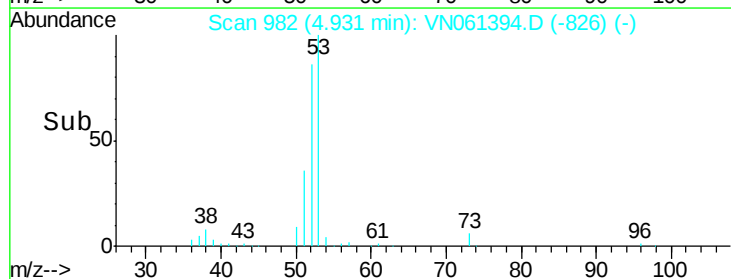
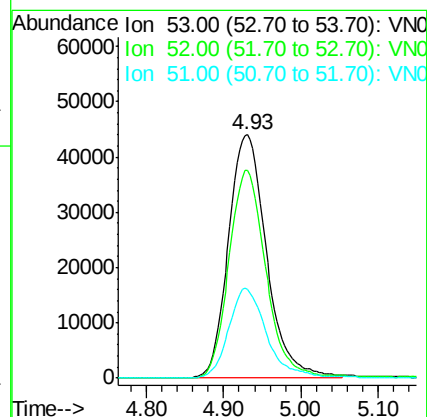
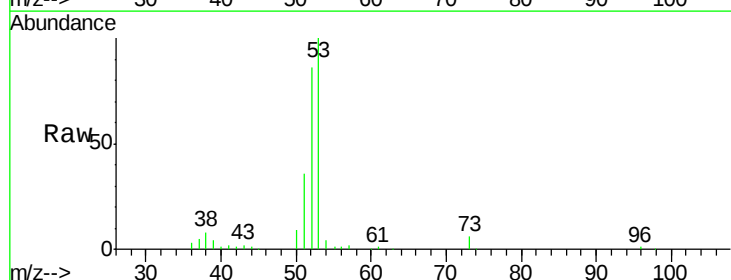
Tgt Ion: 53 Resp: 150990

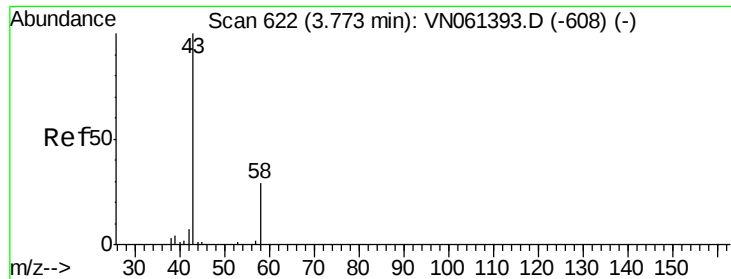
Ion Ratio Lower Upper

53 100

52 82.3 42.2 126.6

51 36.8 18.8 56.4





#15

Acetone

Concen: 190.999 ug/l

RT: 3.77 min Scan# 621

Delta R.T. -0.00 min

Lab File: VN061394.D

Acq: 14 May 2020 15:00

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

Tot Ion: 58 Resp: 35136

Ion Ratio Lower Upper

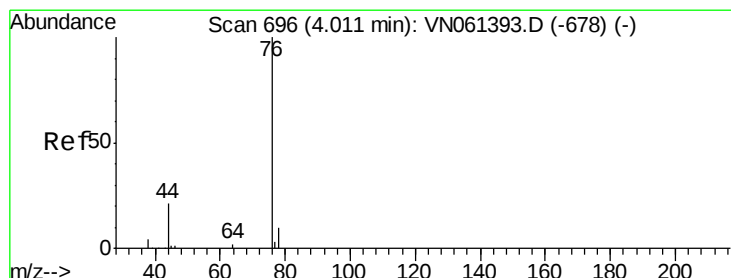
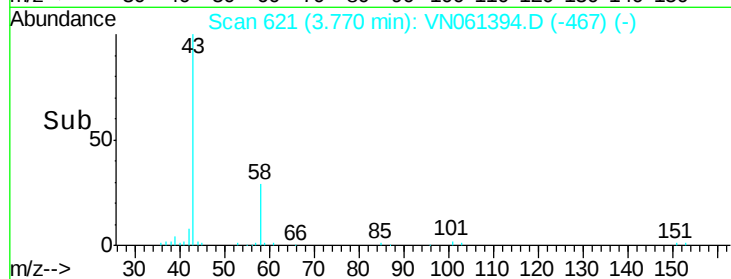
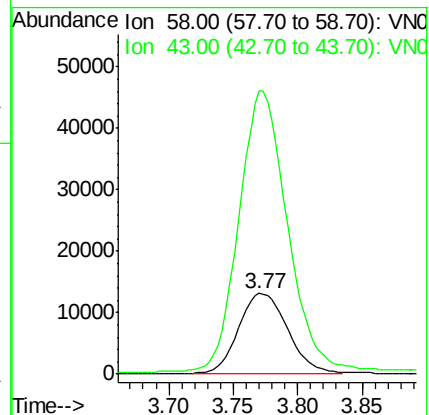
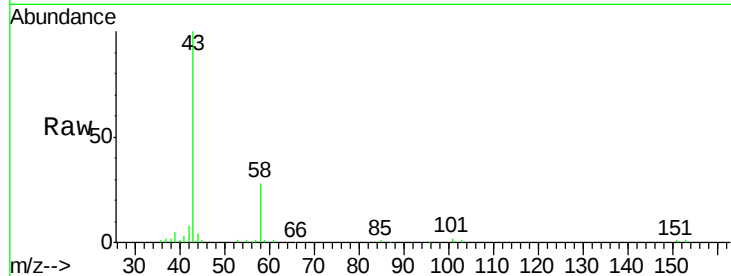
58 100

43 345.2 281.7 422.5

Manual Integrations
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#16

Carbon Disulfide

Concen: 50.894 ug/l

RT: 4.01 min Scan# 696

Delta R.T. -0.00 min

Lab File: VN061394.D

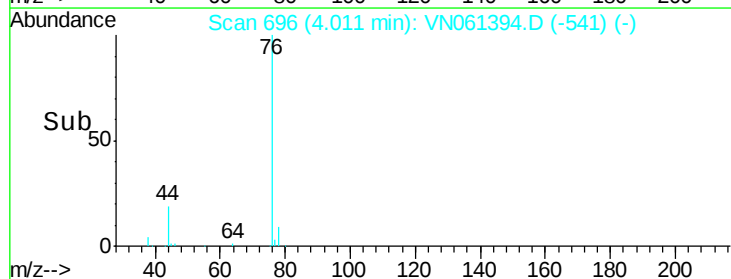
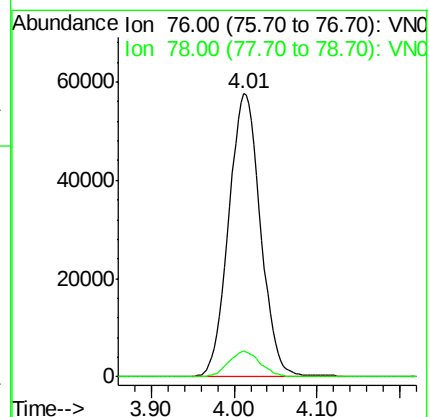
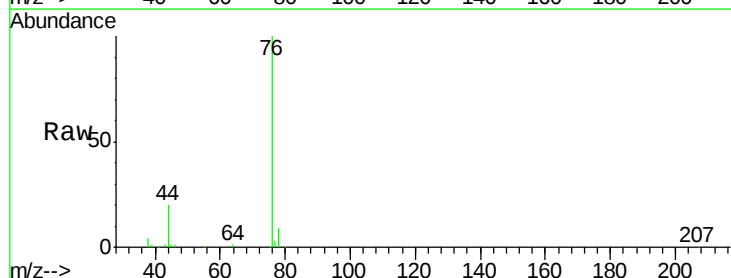
Acq: 14 May 2020 15:00

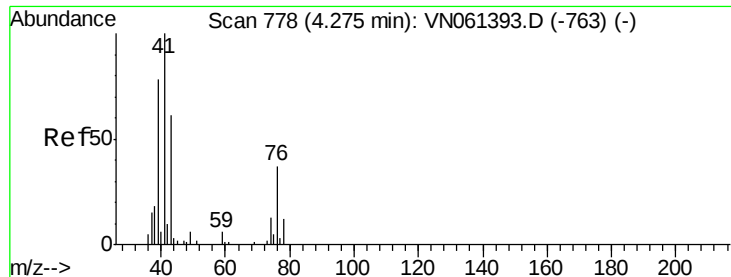
Tgt Ion: 76 Resp: 154003

Ion Ratio Lower Upper

76 100

78 9.1 7.4 11.0





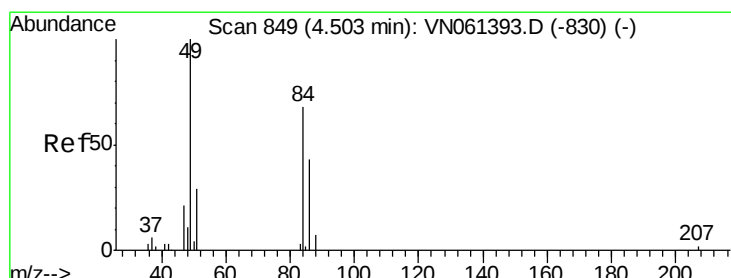
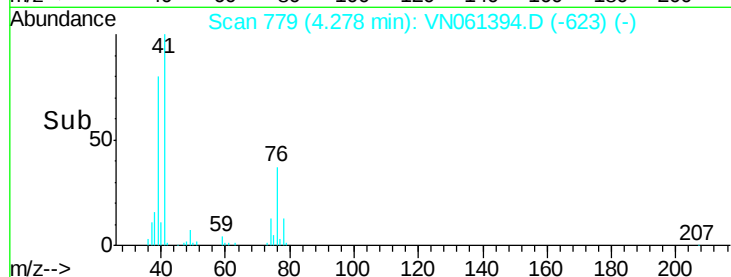
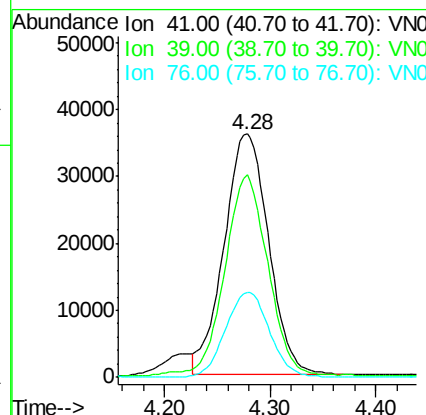
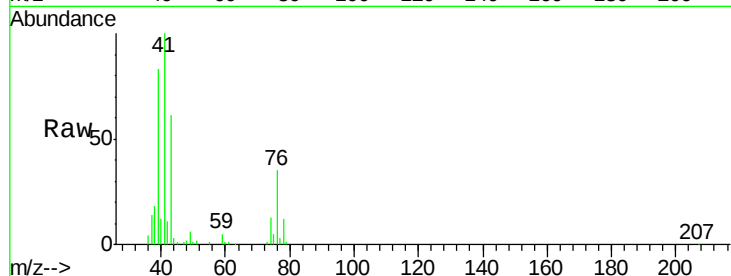
#17
Allvl chloride
Concen: 51.221 ug/l
RT: 4.28 min Scan# 779
Delta R.T. 0.00 min
Lab File: VN061394.D
Acq: 14 May 2020 15:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion:	41	Resp:	105190
Ion	Ratio	Lower	Upper
41	100		
39	83.2	39.6	118.8
76	35.6	17.6	52.9

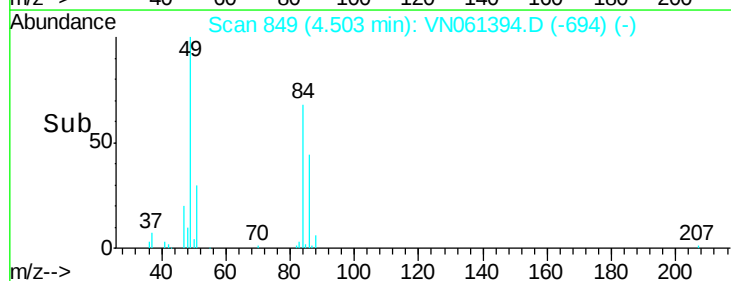
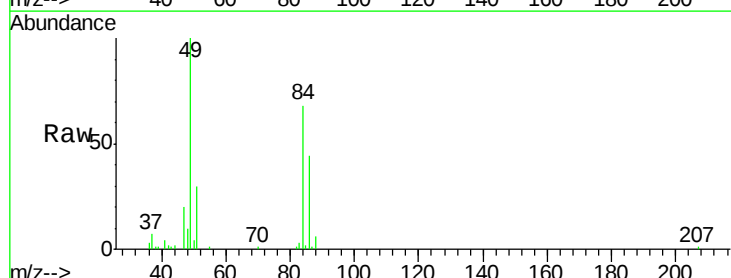
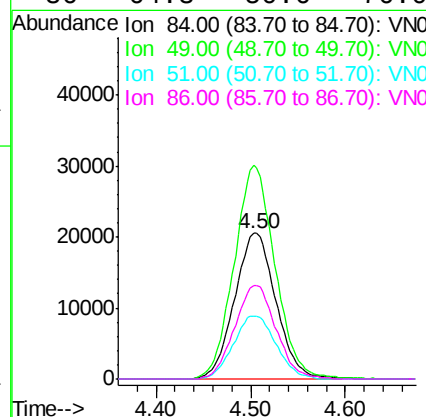
Manual Integrations
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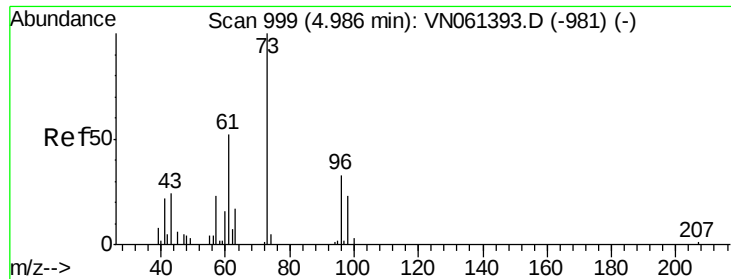
MMDadoda
5/15/2020 2:10:39 PM



#18
Methylene Chloride
Concen: 50.805 ug/l
RT: 4.50 min Scan# 849
Delta R.T. -0.00 min
Lab File: VN061394.D
Acq: 14 May 2020 15:00

Tgt Ion:	84	Resp:	62458
Ion	Ratio	Lower	Upper
84	100		
49	146.4	106.6	160.0
51	43.3	32.4	48.6
86	64.3	50.6	76.0





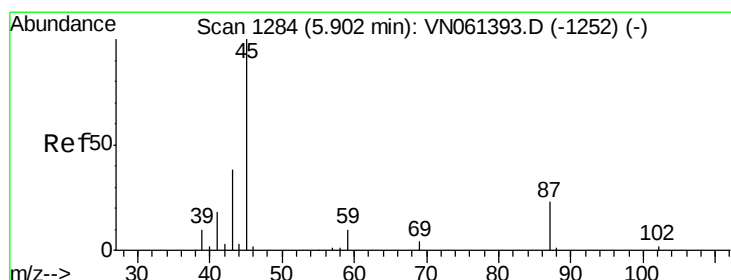
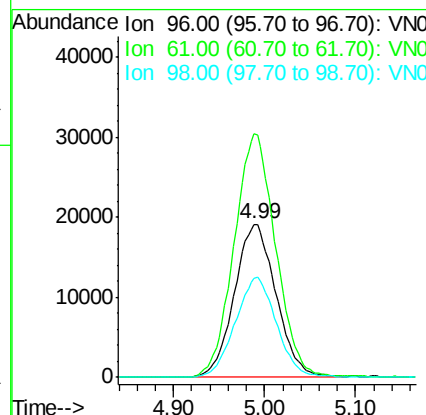
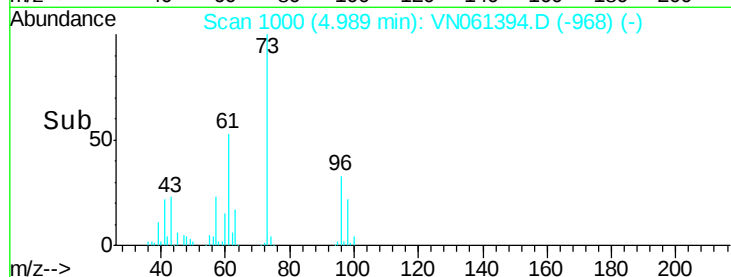
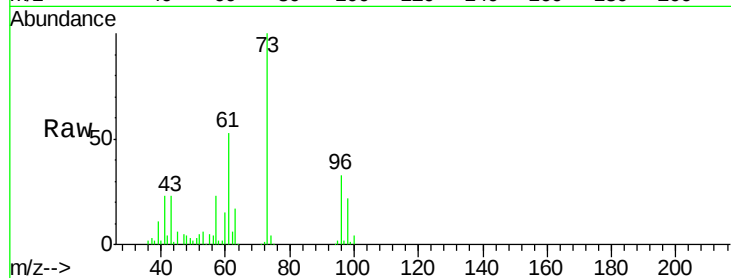
#19
trans-1,2-Dichloroethene
Concen: 54.094 ug/l
RT: 4.99 min Scan# 1000
Delta R.T. 0.00 min
Lab File: VN061394.D
Acq: 14 May 2020 15:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	159.4	131.8	197.6
98	64.9	52.6	79.0

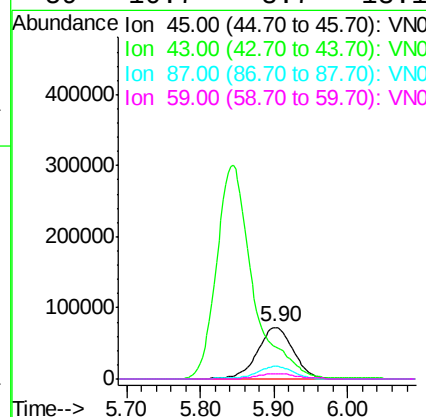
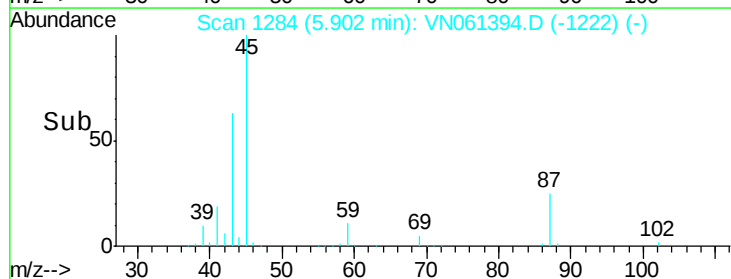
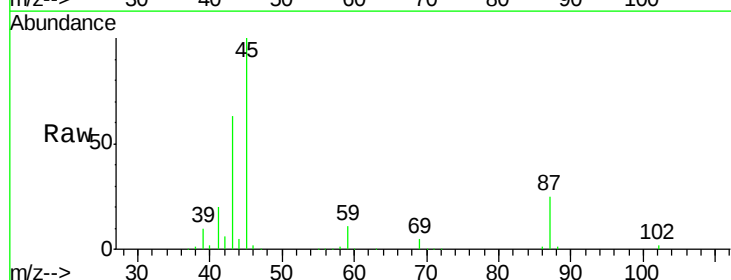
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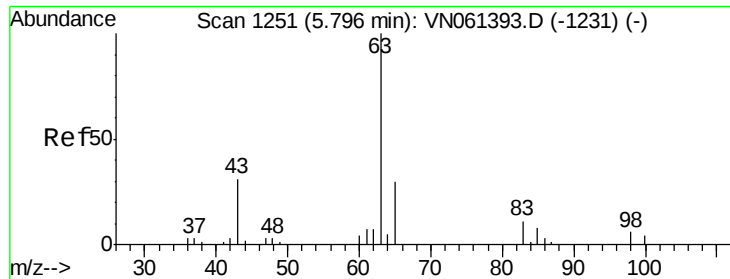
MMDadoda
5/15/2020 2:10:39 PM



#20
Diisopropyl ether
Concen: 57.321 ug/l
RT: 5.90 min Scan# 1284
Delta R.T. -0.00 min
Lab File: VN061394.D
Acq: 14 May 2020 15:00

Tgt Ion	Ratio	Lower	Upper
45	100		
43	61.1	54.7	82.1
87	24.7	21.5	32.3
59	10.7	8.7	13.1





#21

1,1-Dichloroethane

Concen: 55.043 ug/l

RT: 5.80 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VN061394.D

Acq: 14 May 2020 15:00

Instrument :

MSVOA_N

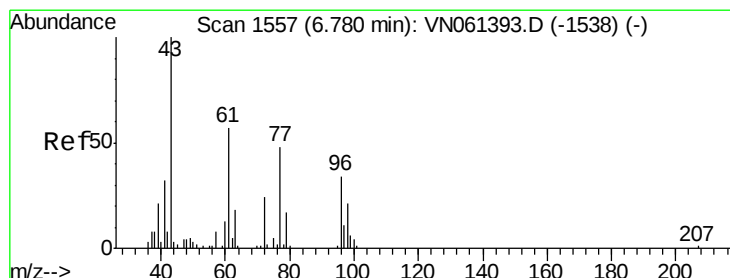
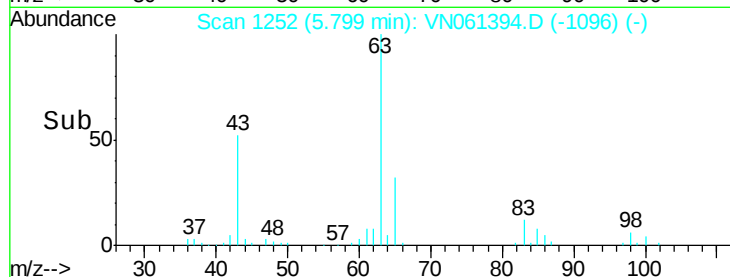
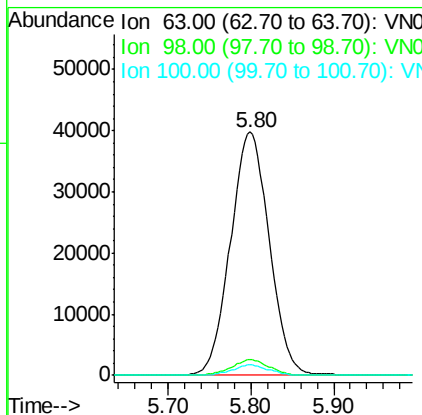
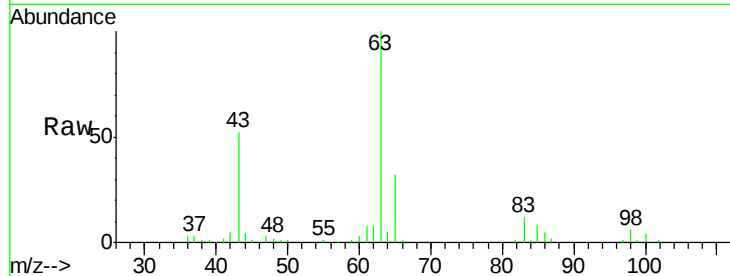
ClientSampleId :

VSTDIC050

Tot Ion:	63	Resp:	129392
Ion Ratio	Lower	Upper	
63	100		
98	6.4	2.9	8.6
100	4.2	1.8	5.5

Manual Integrations
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MMDadoda
5/15/2020 2:10:39 PM



#22

cis-1,2-Dichloroethene

Concen: 54.750 ug/l

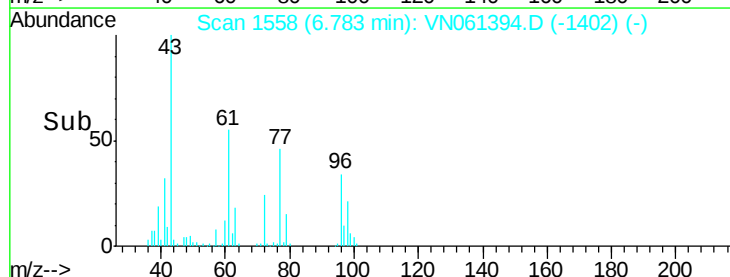
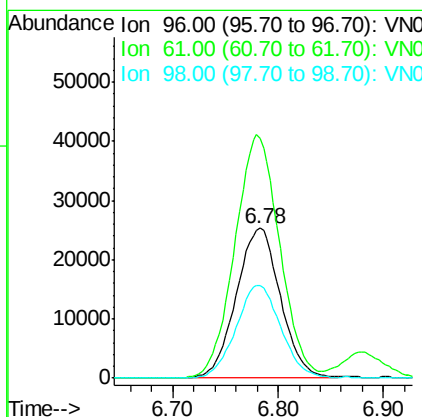
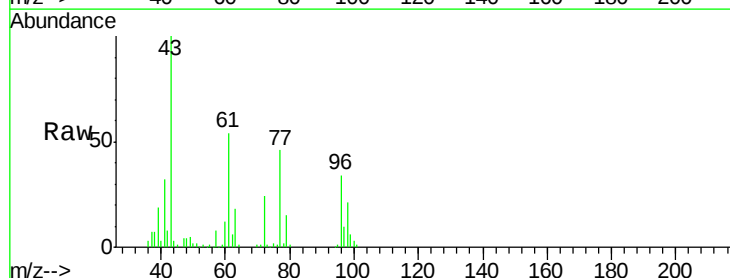
RT: 6.78 min Scan# 1558

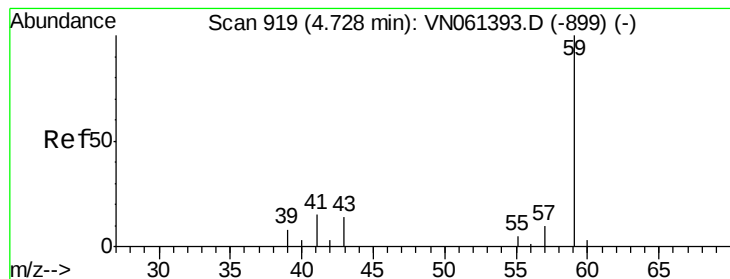
Delta R.T. 0.00 min

Lab File: VN061394.D

Acq: 14 May 2020 15:00

Tgt Ion:	96	Resp:	73839
Ion Ratio	Lower	Upper	
96	100		
61	164.0	127.2	190.8
98	62.8	50.5	75.7





#23

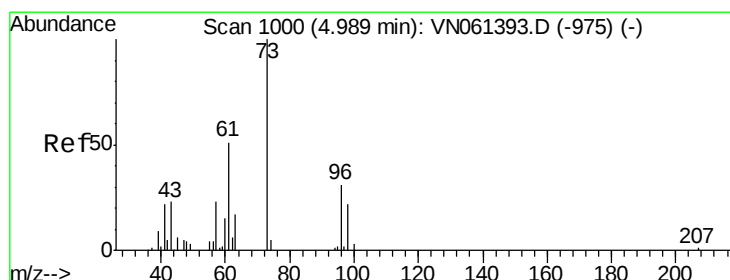
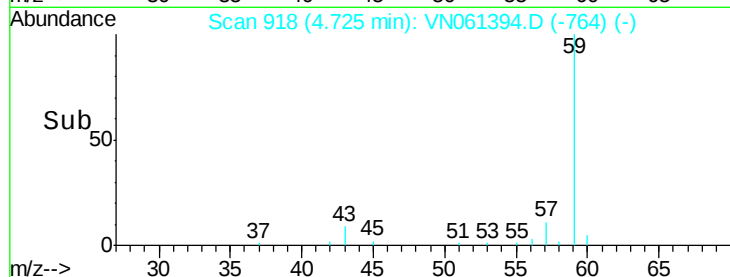
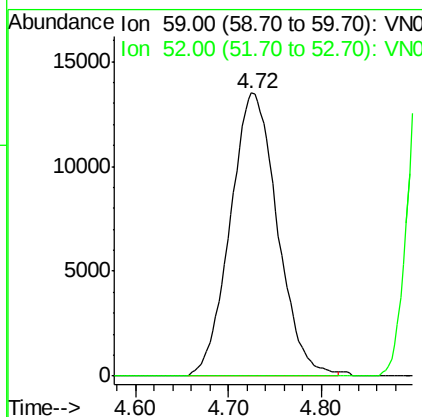
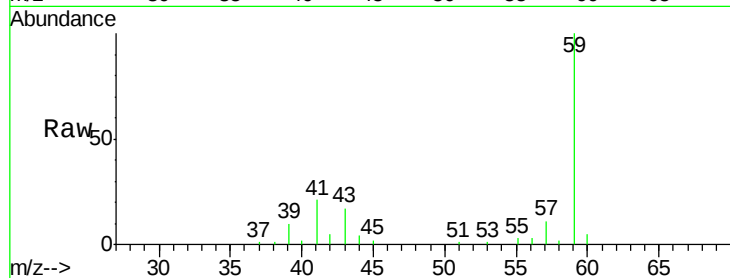
tert-Butyl Alcohol
 Concen: 189.004 ug/l
 RT: 4.72 min Scan# 918
 Delta R.T. -0.00 min
 Lab File: VN061394.D
 Acq: 14 May 2020 15:00

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Tot Ion	59	52	Ratio	100	0.0	Resp	47661	Lower	Upper
Ion	59	52	Ratio	100	0.0	Resp	47661	Lower	Upper

Manual Integrations
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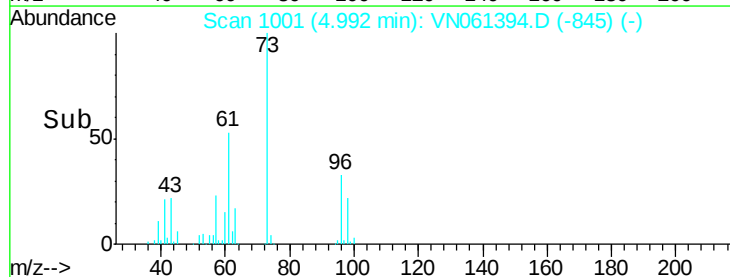
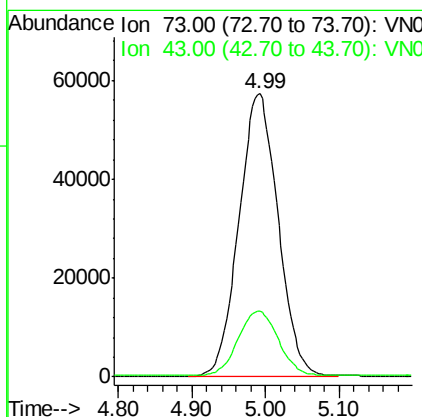
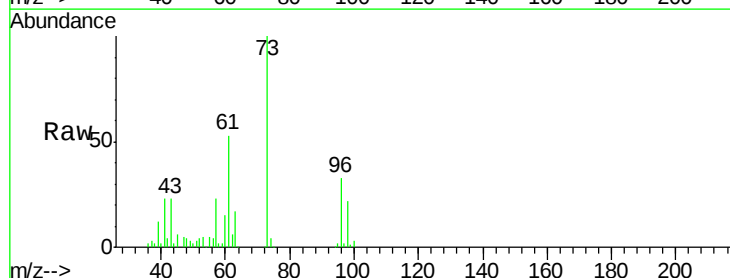
MMDadoda
 5/15/2020 2:10:39 PM

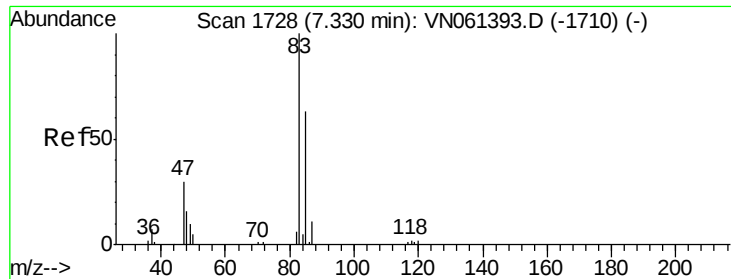


#24

Methyl tert-Butyl Ether
 Concen: 54.660 ug/l
 RT: 4.99 min Scan# 1001
 Delta R.T. 0.00 min
 Lab File: VN061394.D
 Acq: 14 May 2020 15:00

Tgt Ion	73	43	Ratio	100	23.3	Resp	212748	Lower	Upper
Ion	73	43	Ratio	100	23.3	Resp	212748	Lower	Upper





#25

Chloroform

Concen: 54.258 ug/l

RT: 7.33 min Scan# 1728

Delta R.T. -0.00 min

Lab File: VN061394.D

Acq: 14 May 2020 15:00

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

Tot Ion: 83 Resp: 126058

Ion Ratio Lower Upper

83 100

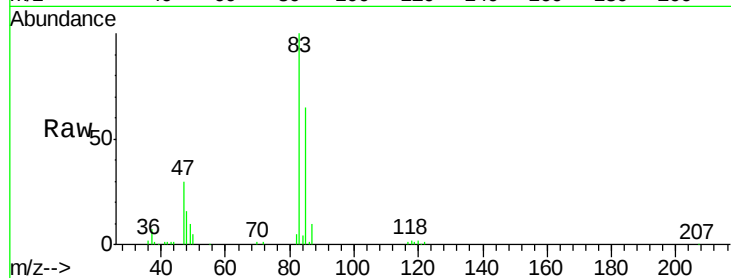
85 65.0 53.8 80.8

Manual Integrations

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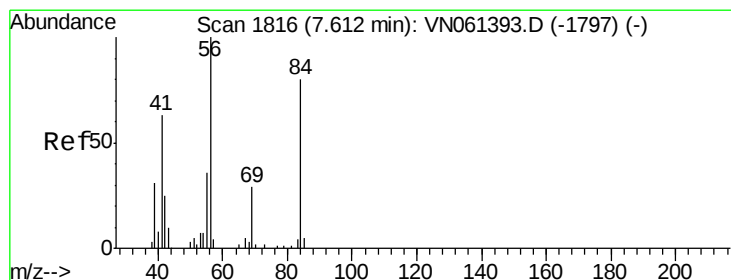
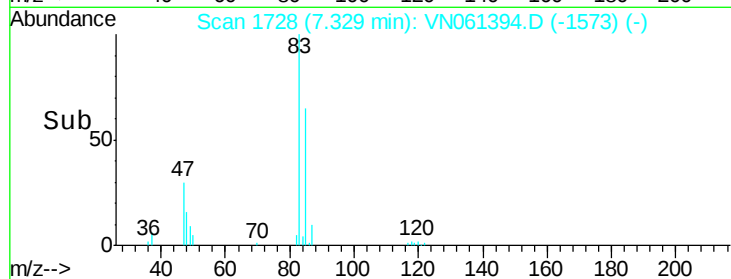
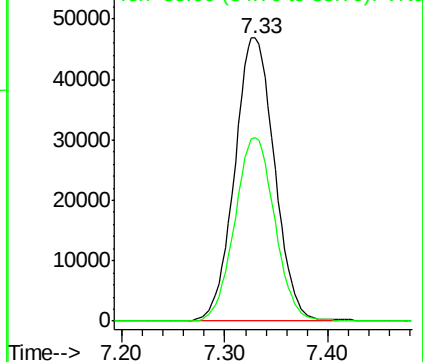
MMDadoda

5/15/2020 2:10:39 PM



Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 85.00 (84.70 to 85.70): VN0



#26

Cyclohexane

Concen: 58.515 ug/l

RT: 7.62 min Scan# 1817

Delta R.T. 0.00 min

Lab File: VN061394.D

Acq: 14 May 2020 15:00

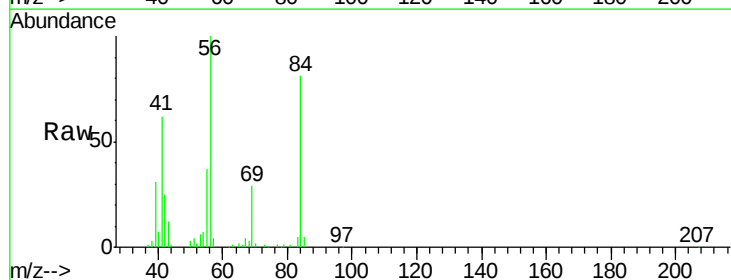
Tgt Ion: 56 Resp: 123470

Ion Ratio Lower Upper

56 100

89 0.0 6.2 9.2#

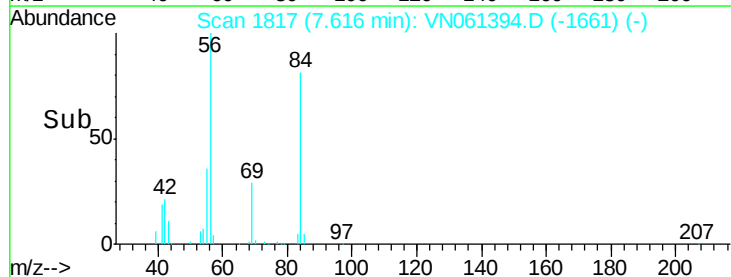
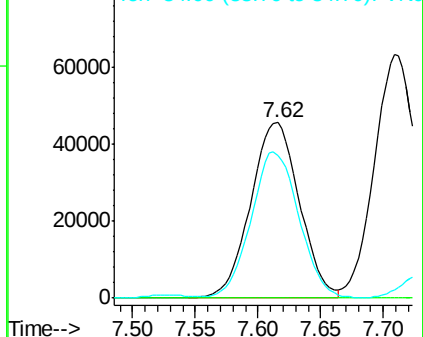
84 82.3 65.6 98.4

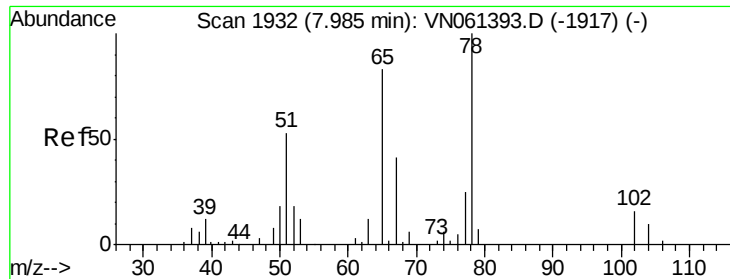


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 89.00 (88.70 to 89.70): VN0

Ion 84.00 (83.70 to 84.70): VN0





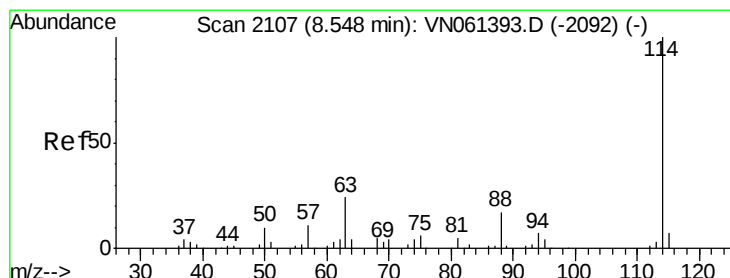
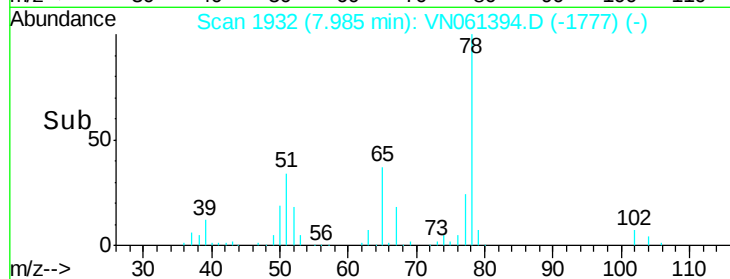
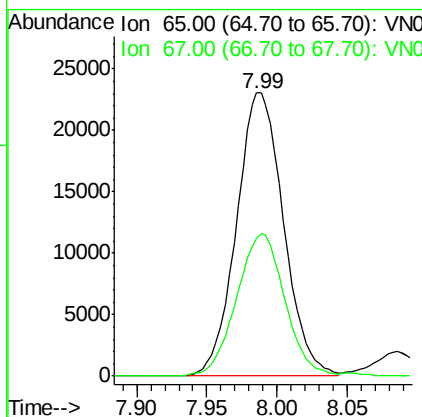
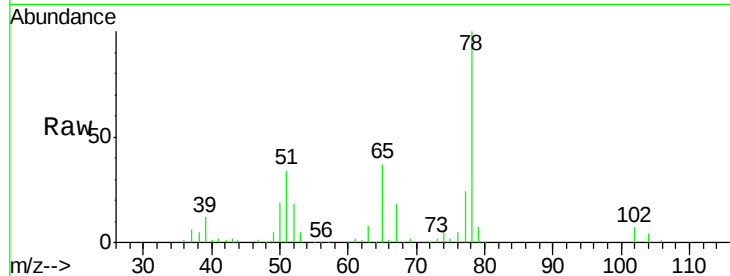
#27
 1,2-Dichloroethane-d4
 Concen: 31.913 ug/l
 RT: 7.99 min Scan# 1932
 Delta R.T. -0.00 min
 Lab File: VN061394.D
 Acq: 14 May 2020 15:00

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC050

Tot Ion	Ratio	Lower	Upper
65	100		
67	51.5	41.5	62.3

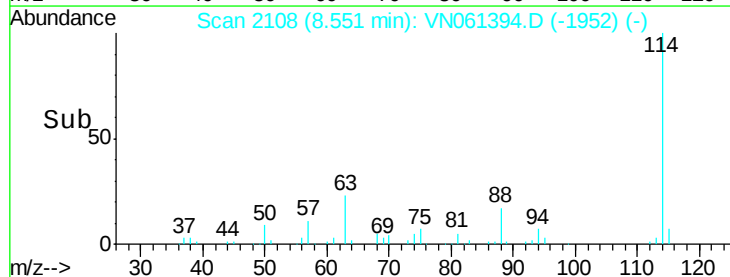
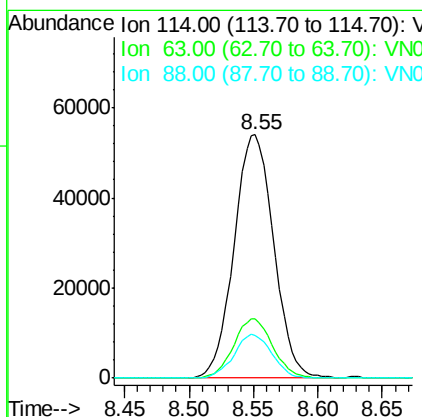
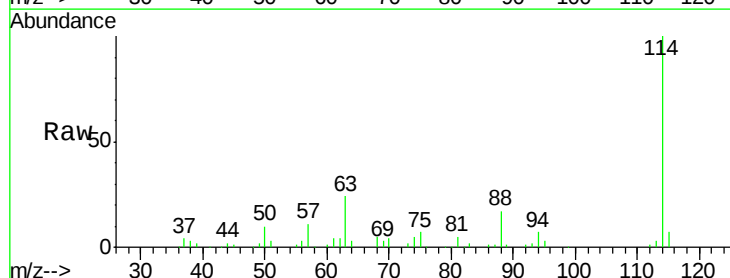
Manual Integrations
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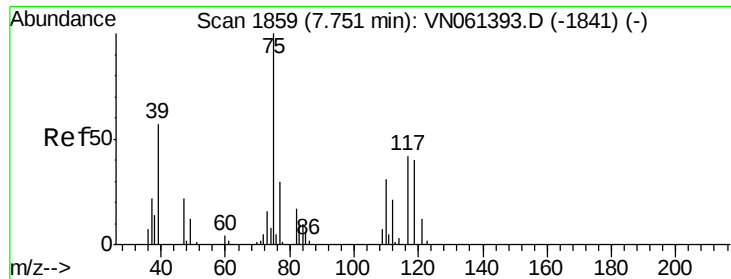
MMDadoda
 5/15/2020 2:10:39 PM



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. 0.00 min
 Lab File: VN061394.D
 Acq: 14 May 2020 15:00

Tgt Ion	Ratio	Lower	Upper
114	100		
63	23.7	18.1	27.1
88	17.2	13.0	19.4





#29

1,1-Dichloropropene

Concen: 54.767 ug/l

RT: 7.75 min Scan# 1860

Delta R.T. 0.00 min

Lab File: VN061394.D

Acq: 14 May 2020 15:00

Instrument :

MSVOA_N

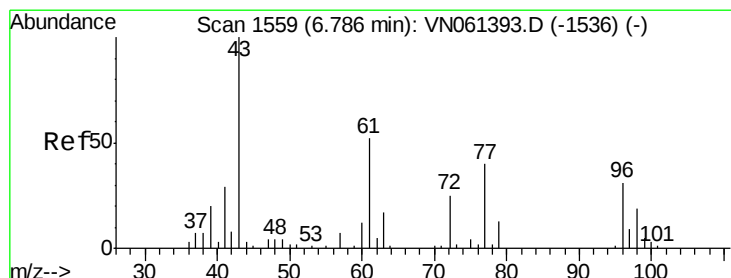
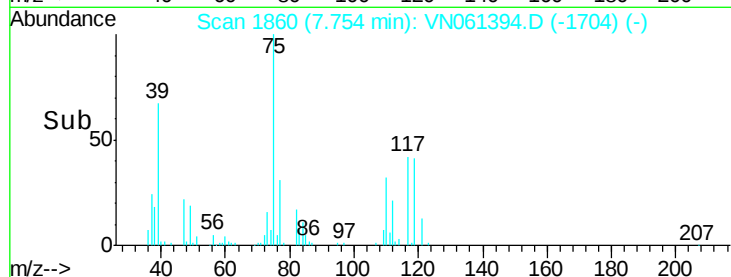
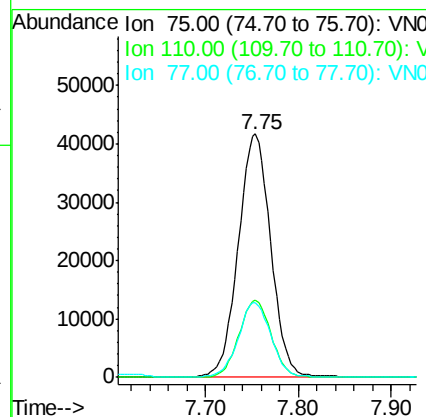
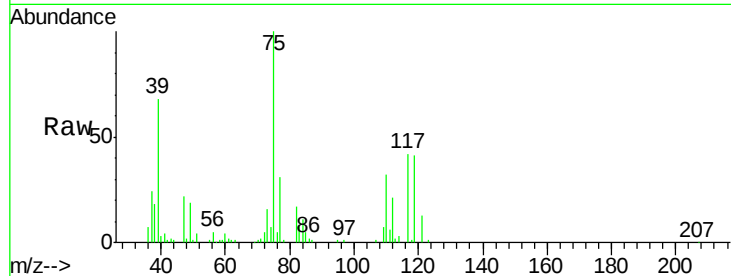
ClientSampled :

VSTDIC050

Tot Ion:	75	Resp:	101441
Ion Ratio	Lower	Upper	
75	100		
110	31.2	0.0	64.6
77	31.0	0.0	60.8

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#30

2-Butanone

Concen: 212.776 ug/l

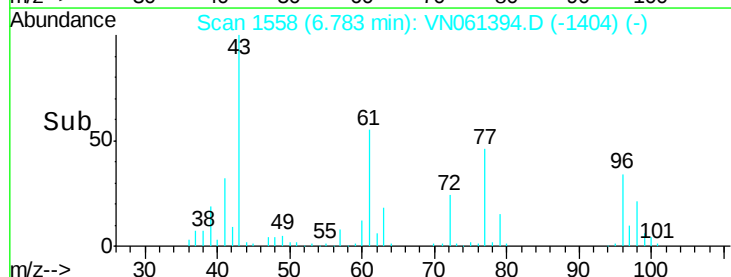
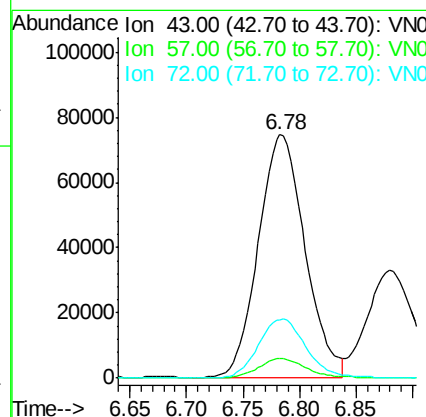
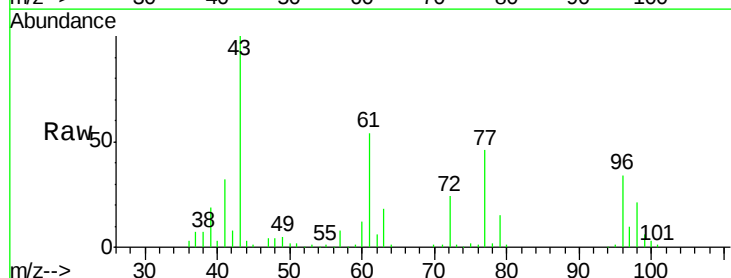
RT: 6.78 min Scan# 1558

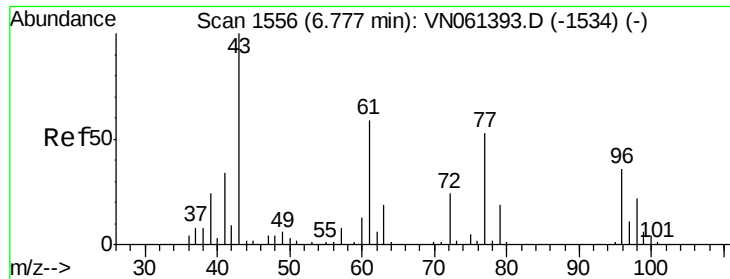
Delta R.T. -0.00 min

Lab File: VN061394.D

Acq: 14 May 2020 15:00

Tgt Ion:	43	Resp:	212609
Ion Ratio	Lower	Upper	
43	100		
57	8.1	6.5	9.7
72	24.8	20.1	30.1





#31

2,2-Dichloropropane

Concen: 53.278 ug/l

RT: 6.78 min Scan# 1556

Delta R.T. -0.00 min

Lab File: VN061394.D

Acq: 14 May 2020 15:00

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

Tot Ion: 77 Resp: 116574

Ion Ratio Lower Upper

77 100

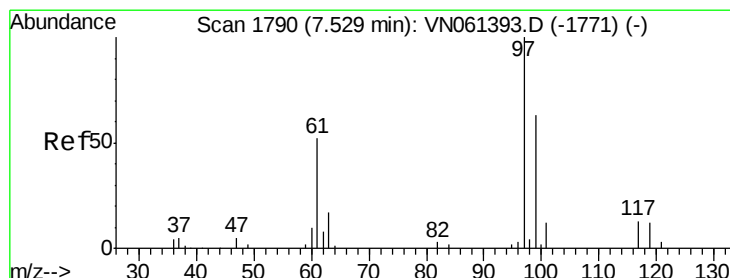
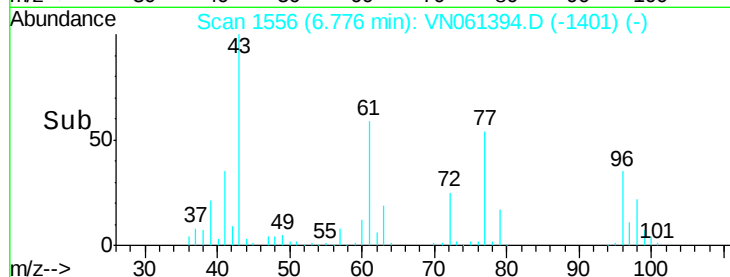
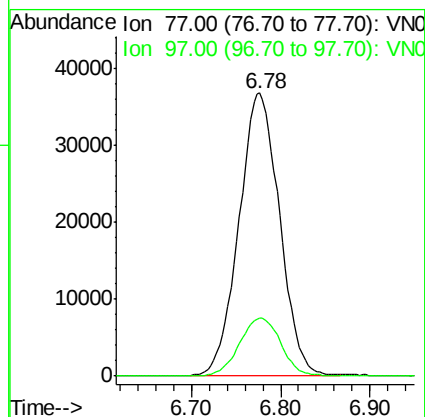
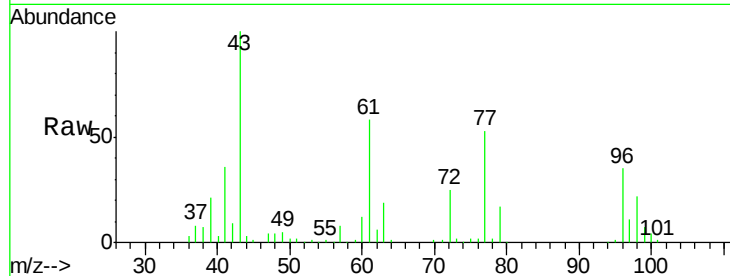
97 20.8 17.9 26.9

Manual Integrations

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#32

1,1,1-Trichloroethane

Concen: 54.037 ug/l

RT: 7.53 min Scan# 1790

Delta R.T. -0.00 min

Lab File: VN061394.D

Acq: 14 May 2020 15:00

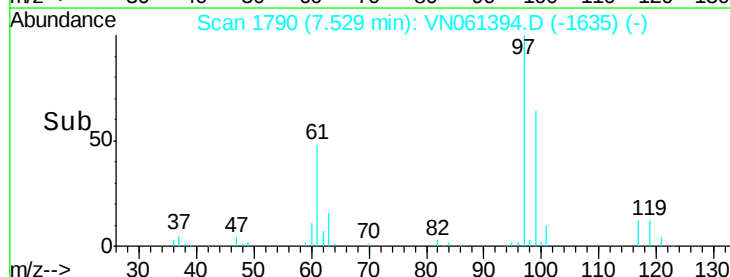
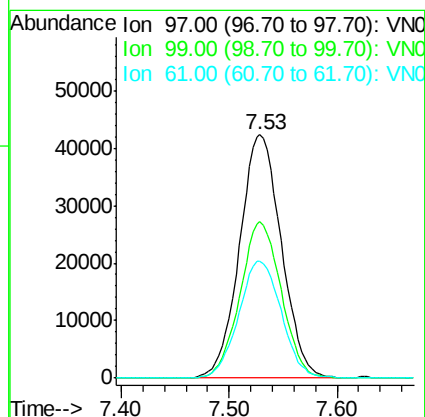
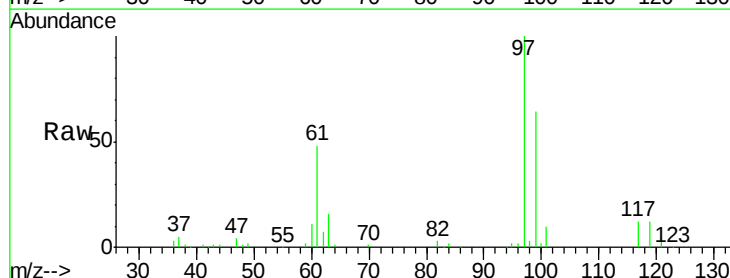
Tgt Ion: 97 Resp: 114131

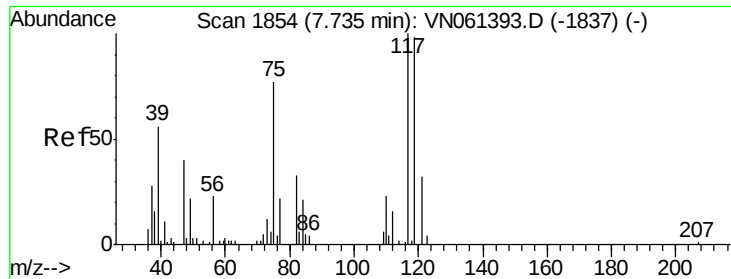
Ion Ratio Lower Upper

97 100

99 63.2 51.3 76.9

61 48.8 38.4 57.6





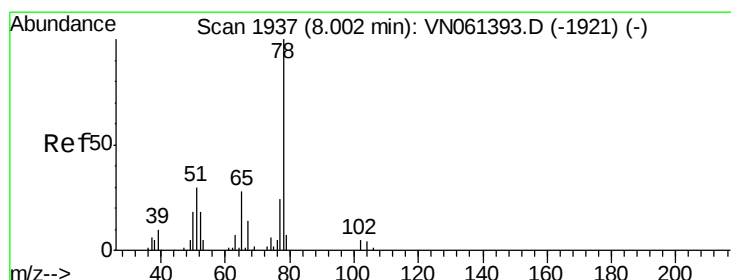
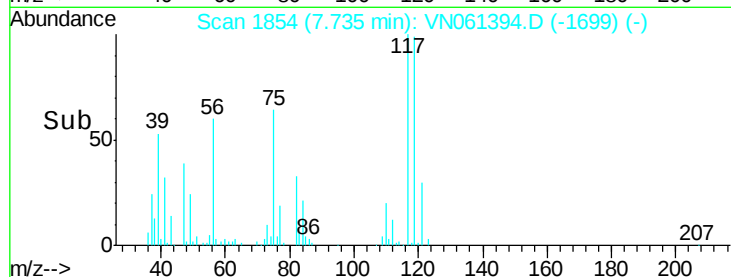
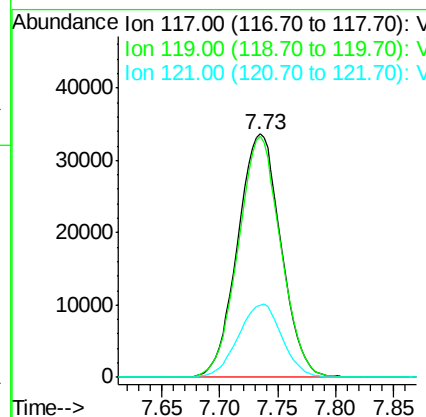
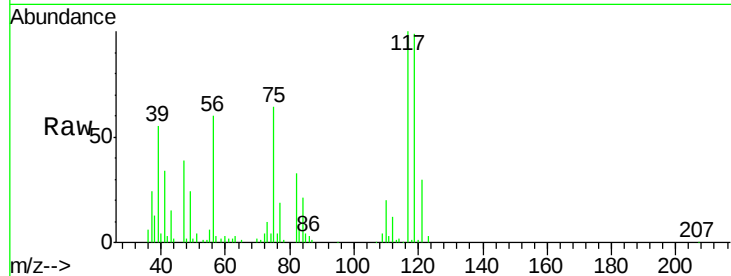
#33
Carbon Tetrachloride
Concen: 49.131 ug/l
RT: 7.73 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VN061394.D
Acq: 14 May 2020 15:00

Instrument :
MSVOA_N
ClientSampled :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
117	100		
119	98.8	76.9	115.3
121	29.8	23.8	35.8

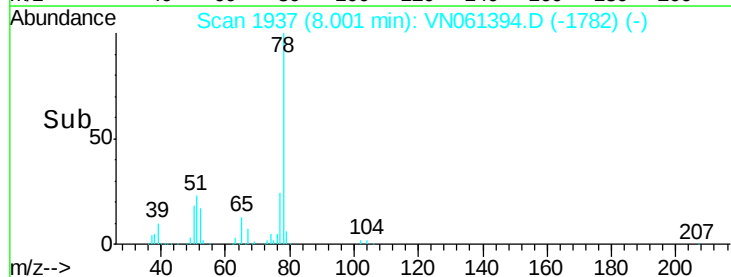
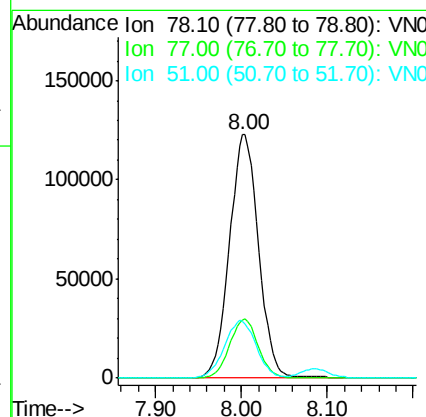
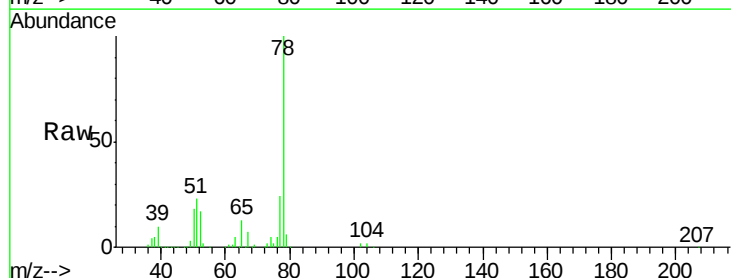
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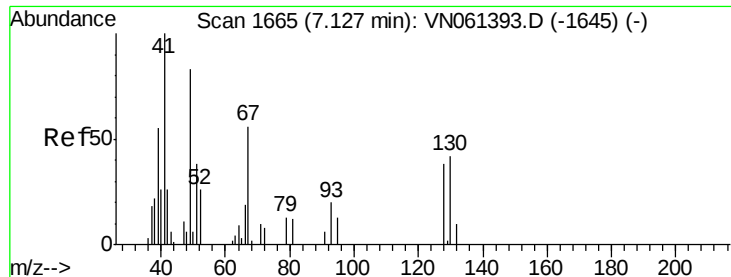
MMDadoda
5/15/2020 2:10:39 PM



#34
Benzene
Concen: 53.286 ug/l
RT: 8.00 min Scan# 1937
Delta R.T. -0.00 min
Lab File: VN061394.D
Acq: 14 May 2020 15:00

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.9	19.2	28.8
51	23.2	22.1	33.1





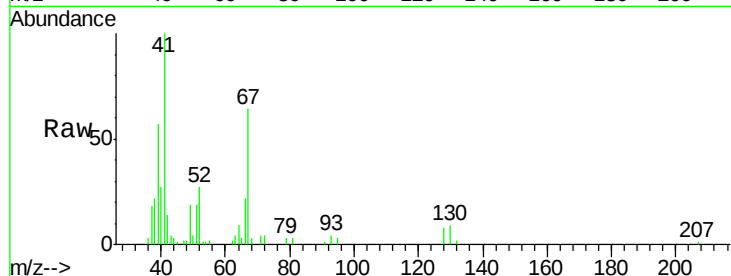
#35
Methacrylonitrile
Concen: 39.694 ug/l
RT: 7.12 min Scan# 1663
Delta R.T. -0.01 min
Lab File: VN061394.D
Acq: 14 May 2020 15:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion:	41	Resp:	37194
Ion	Ratio	Lower	Upper
41	100		
39	56.7	25.8	77.4
67	64.5	23.0	69.0
52	27.5	10.1	30.1

Manual Integrations
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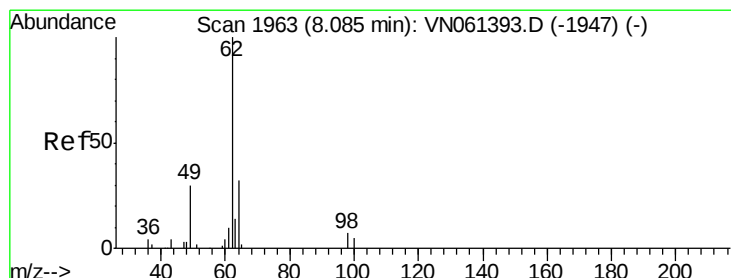
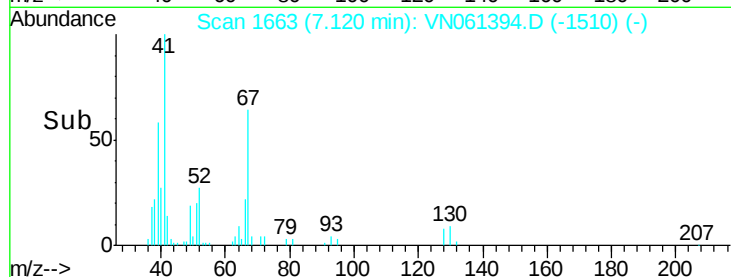
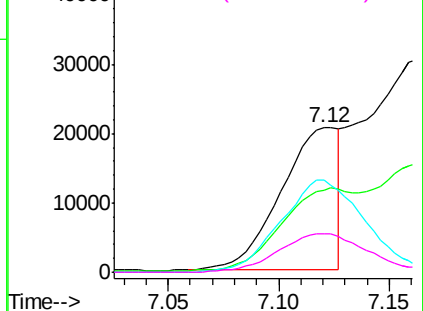


Abundance Ion 41.00 (40.70 to 41.70): VN061394.D (-1645) (-)

Ion 39.00 (38.70 to 39.70): VN061394.D (-1645) (-)

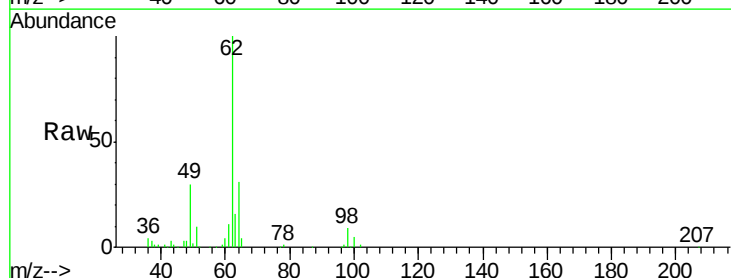
Ion 67.00 (66.70 to 67.70): VN061394.D (-1645) (-)

Ion 52.00 (51.70 to 52.70): VN061394.D (-1645) (-)



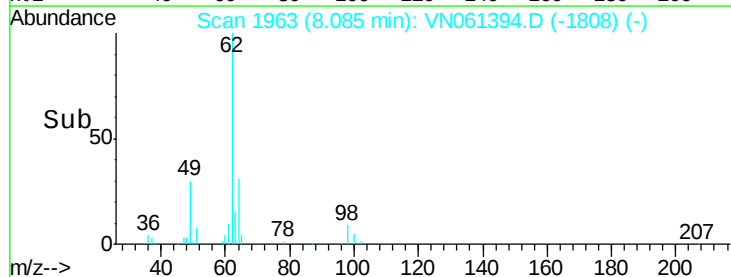
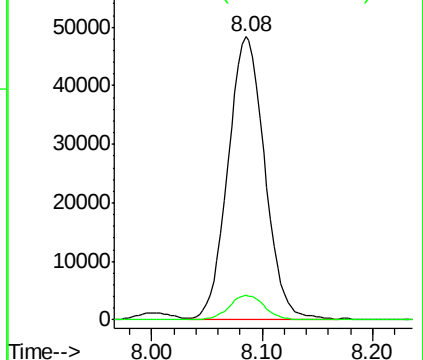
#36
1,2-Dichloroethane
Concen: 53.794 ug/l
RT: 8.08 min Scan# 1963
Delta R.T. -0.00 min
Lab File: VN061394.D
Acq: 14 May 2020 15:00

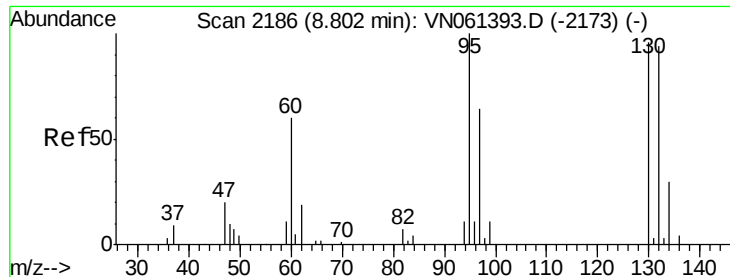
Tgt Ion:	62	Resp:	111197
Ion	Ratio	Lower	Upper
62	100		
98	8.4	6.4	9.6



Abundance Ion 62.00 (61.70 to 62.70): VN061394.D (-1947) (-)

Ion 98.00 (97.70 to 98.70): VN061394.D (-1947) (-)





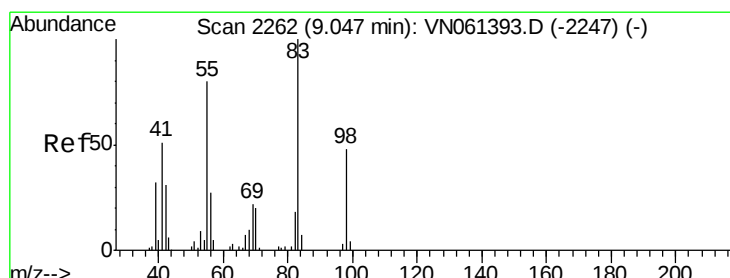
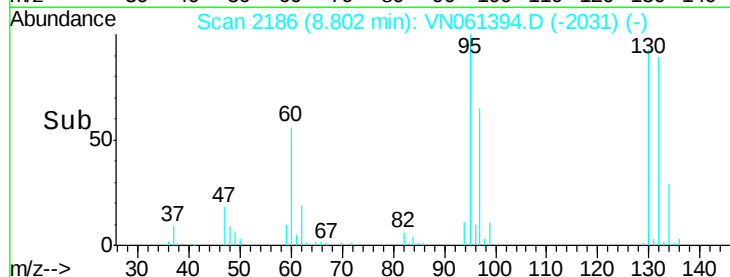
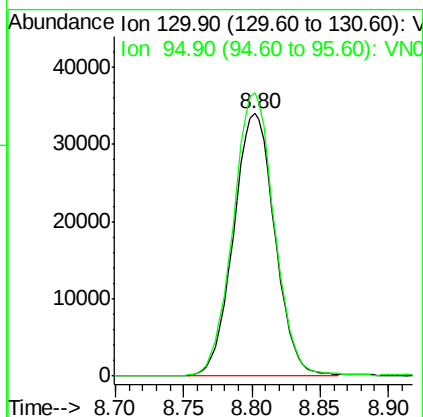
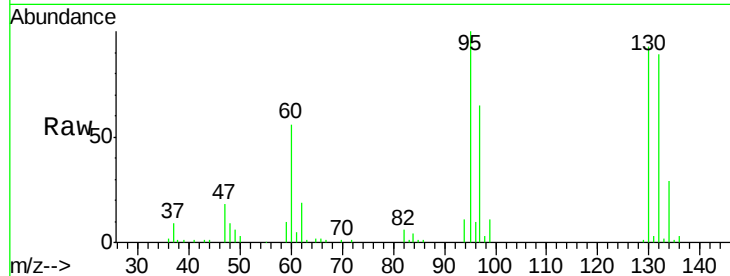
#37
 Trichloroethene
 Concen: 53.975 ug/l
 RT: 8.80 min Scan# 2186
 Delta R.T. -0.00 min
 Lab File: VN061394.D
 Acq: 14 May 2020 15:00

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Tot Ion:130 Resp: 71368
 Ion Ratio Lower Upper
 130 100
 95 107.5 83.2 124.8

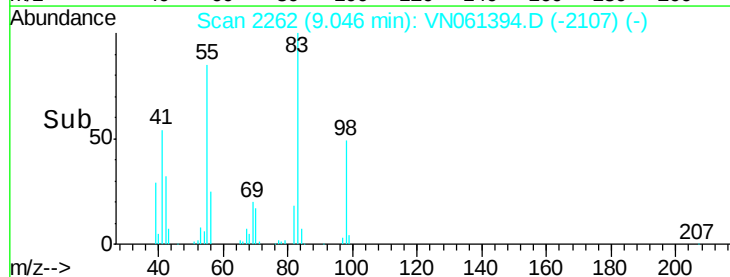
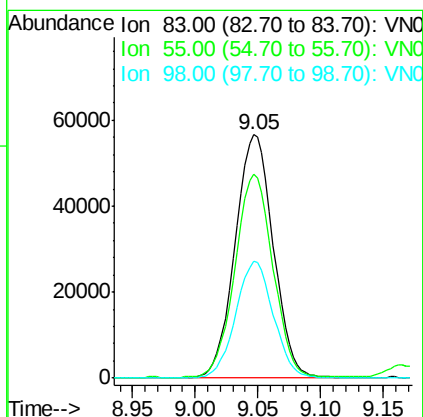
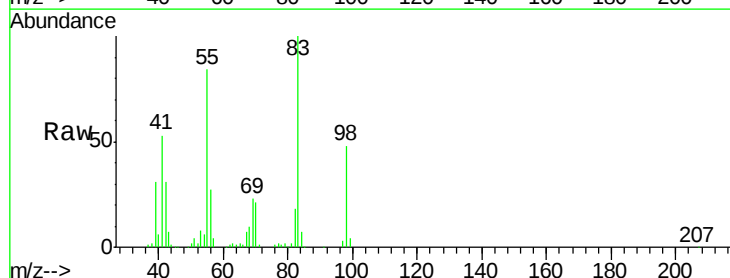
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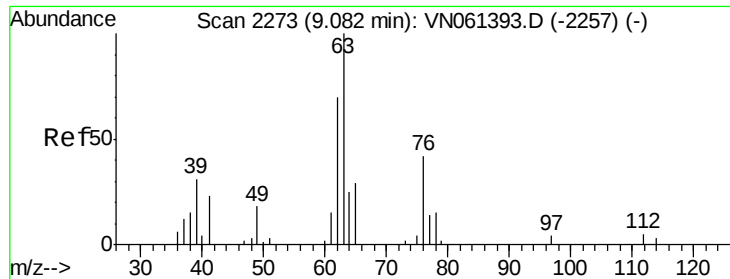
MMDadoda
 5/15/2020 2:10:39 PM



#38
 Methylcyclohexane
 Concen: 55.284 ug/l
 RT: 9.05 min Scan# 2262
 Delta R.T. -0.00 min
 Lab File: VN061394.D
 Acq: 14 May 2020 15:00

Tgt Ion: 83 Resp: 119921
 Ion Ratio Lower Upper
 83 100
 55 82.6 40.4 121.1
 98 47.3 21.6 65.0





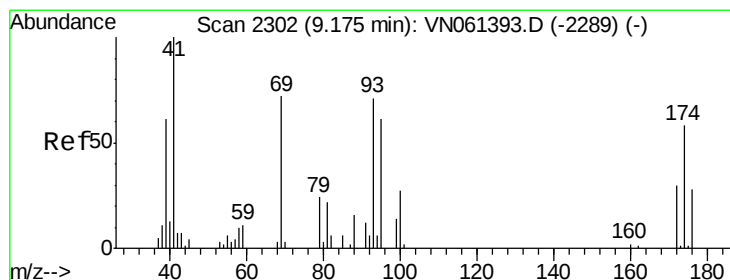
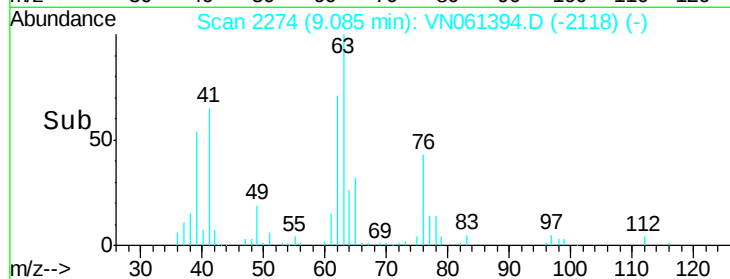
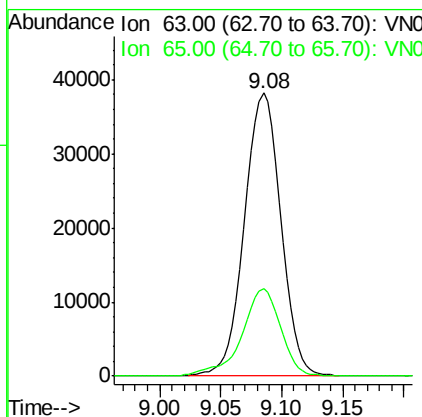
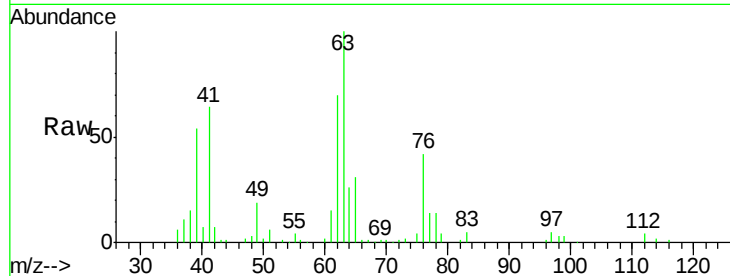
#39
 1,2-Dichloropropane
 Concen: 53.416 ug/l
 RT: 9.08 min Scan# 2274
 Delta R.T. 0.00 min
 Lab File: VN061394.D
 Acq: 14 May 2020 15:00

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.9	23.8	35.6

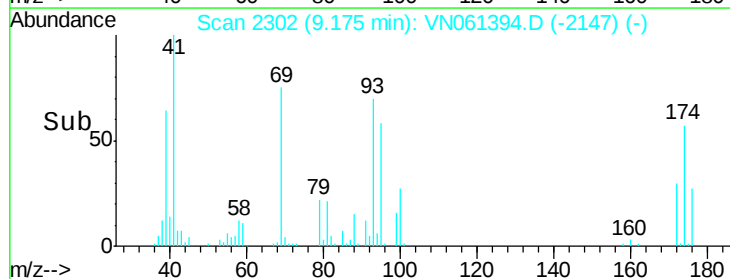
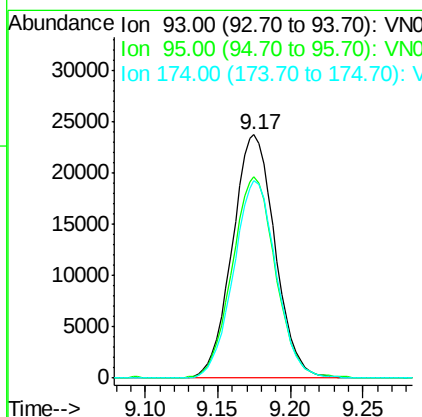
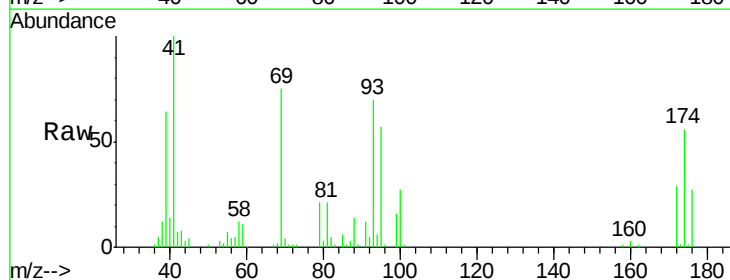
Manual Integrations
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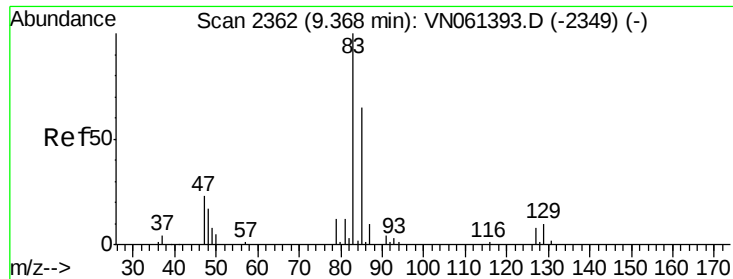
MMDadoda
 5/15/2020 2:10:39 PM



#40
 Dibromomethane
 Concen: 52.468 ug/l
 RT: 9.17 min Scan# 2302
 Delta R.T. -0.00 min
 Lab File: VN061394.D
 Acq: 14 May 2020 15:00

Tgt Ion	Ratio	Lower	Upper
93	100		
95	84.2	0.0	167.6
174	81.0	0.0	187.2





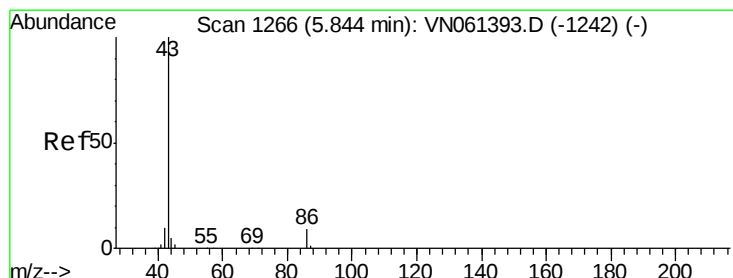
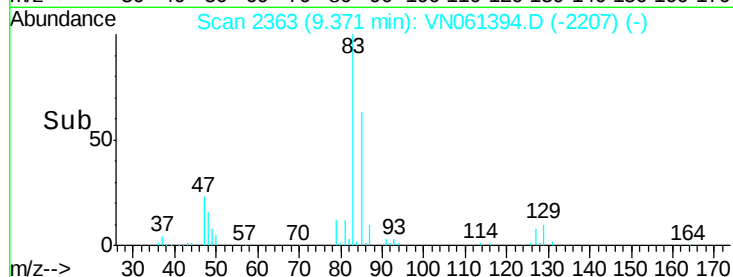
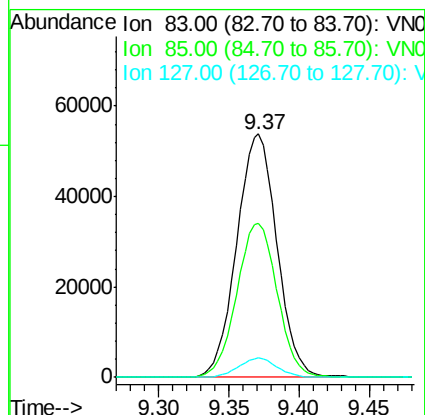
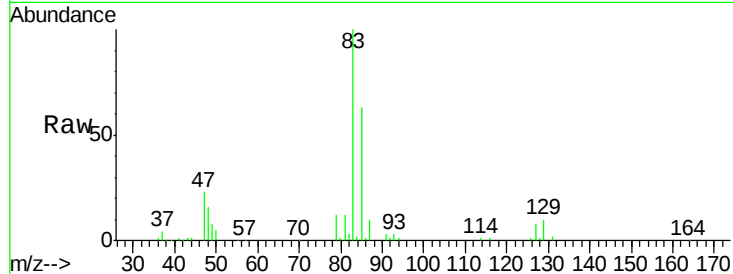
#41
Bromodichloromethane
Concen: 55.974 ug/l
RT: 9.37 min Scan# 2363
Delta R.T. 0.00 min
Lab File: VN061394.D
Acq: 14 May 2020 15:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion	83	Resp	107479
Ion Ratio	100	Lower	Upper
83	100		
85	63.5	51.0	76.4
127	7.8	6.6	9.8

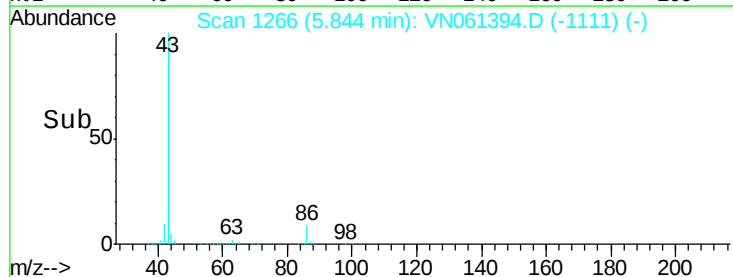
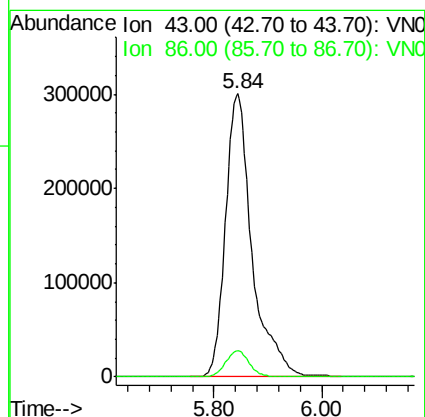
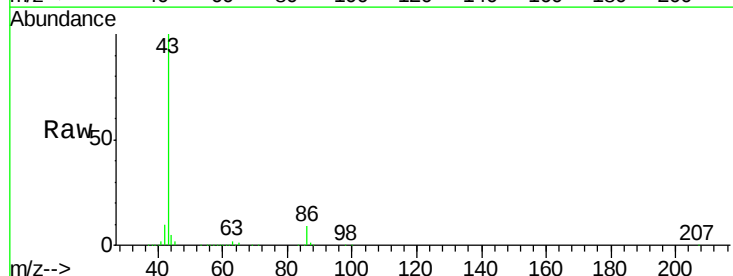
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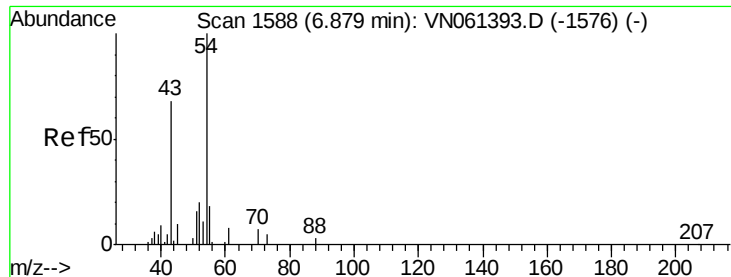
MMDadoda
5/15/2020 2:10:39 PM



#42
Vinyl Acetate
Concen: 281.162 ug/l
RT: 5.84 min Scan# 1266
Delta R.T. -0.00 min
Lab File: VN061394.D
Acq: 14 May 2020 15:00

Tgt Ion	43	Resp	1025901
Ion Ratio	100	Lower	Upper
43	100		
86	8.1	6.5	9.7





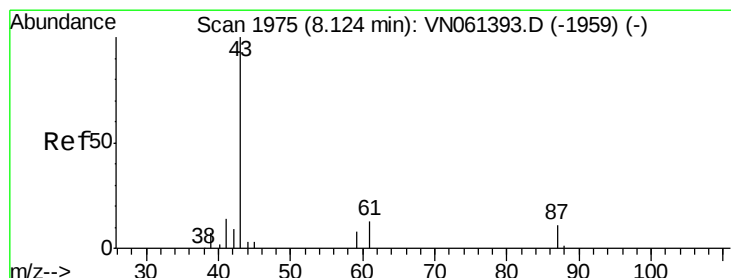
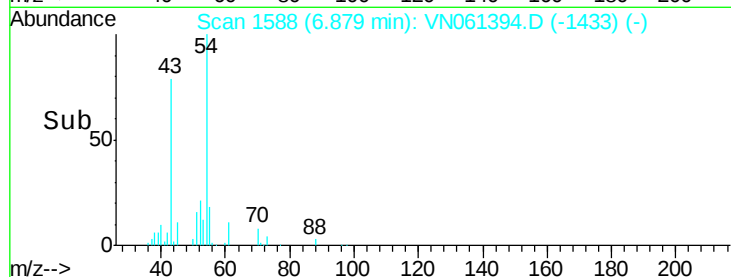
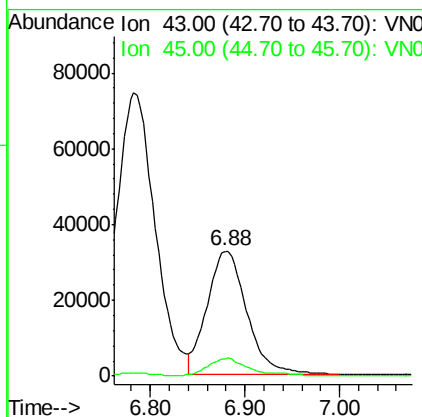
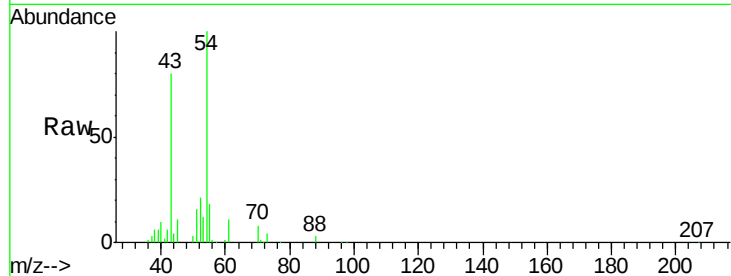
#43
Ethyl Acetate
Concen: 47.605 ug/l
RT: 6.88 min Scan# 1588
Delta R.T. -0.00 min
Lab File: VN061394.D
Acq: 14 May 2020 15:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
43	100		
45	12.4	9.7	14.5

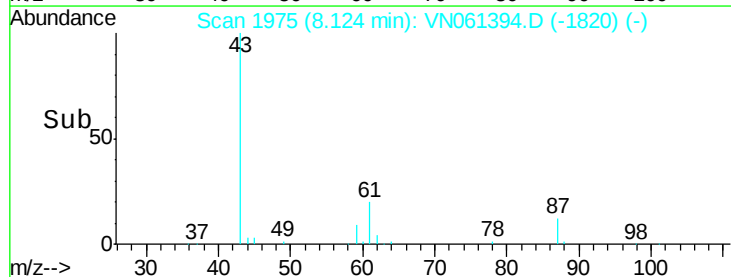
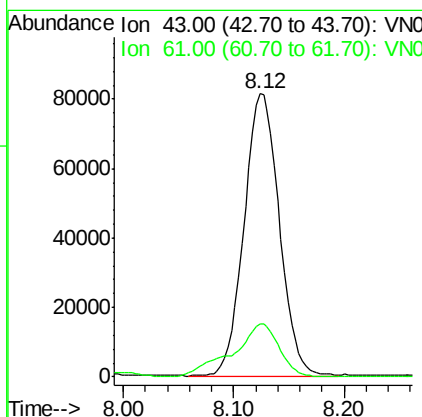
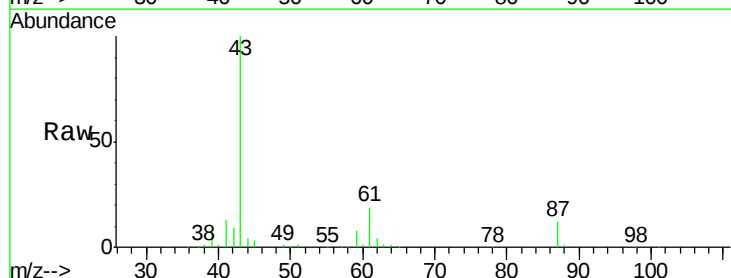
Manual Integrations
APPROVED

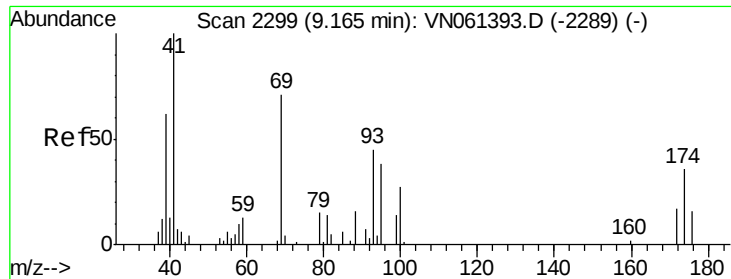
MMDadoda
5/15/2020 2:10:39 PM



#44
Isopropyl Acetate
Concen: 53.869 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN061394.D
Acq: 14 May 2020 15:00

Tgt Ion	Ratio	Lower	Upper
43	100		
61	25.1	19.9	29.9





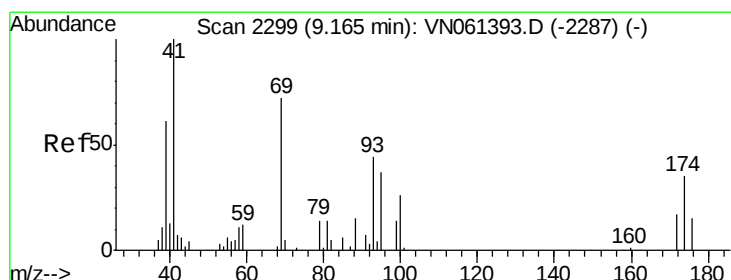
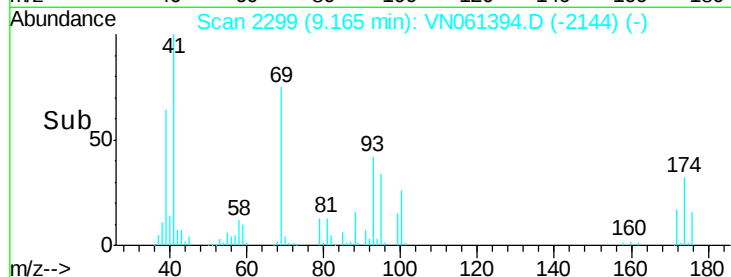
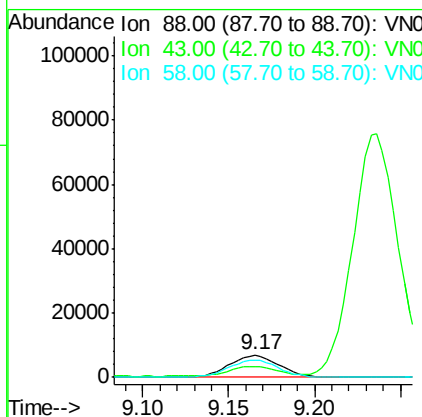
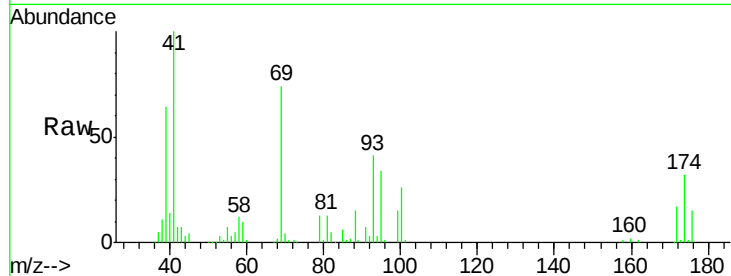
#45
1,4-Dioxane
Concen: 607.080 ug/l
RT: 9.17 min Scan# 2299
Delta R.T. -0.00 min
Lab File: VN061394.D
Acq: 14 May 2020 15:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	42.7	29.8	44.8
58	77.7	58.2	87.4

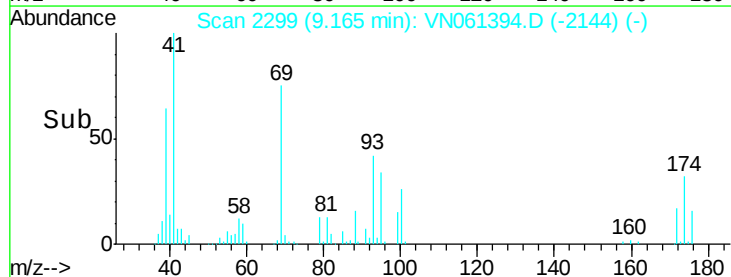
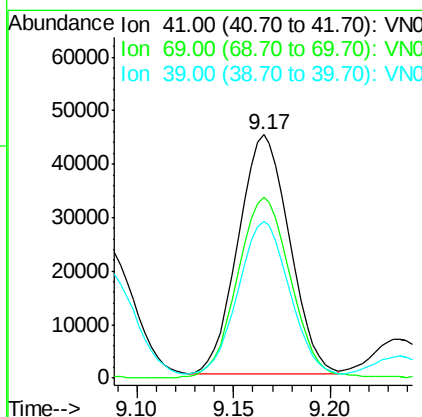
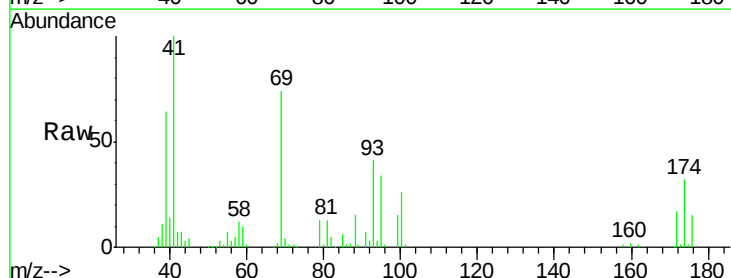
Manual Integrations
APPROVED

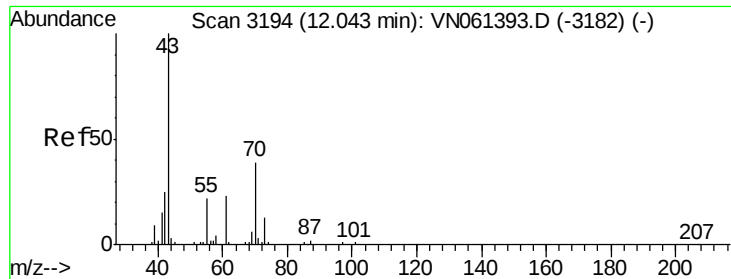
MMDadoda
5/15/2020 2:10:39 PM



#46
Methyl methacrylate
Concen: 53.516 ug/l
RT: 9.17 min Scan# 2299
Delta R.T. -0.00 min
Lab File: VN061394.D
Acq: 14 May 2020 15:00

Tgt Ion	Ratio	Lower	Upper
41	100		
69	74.8	40.2	120.5
39	63.9	29.9	89.8





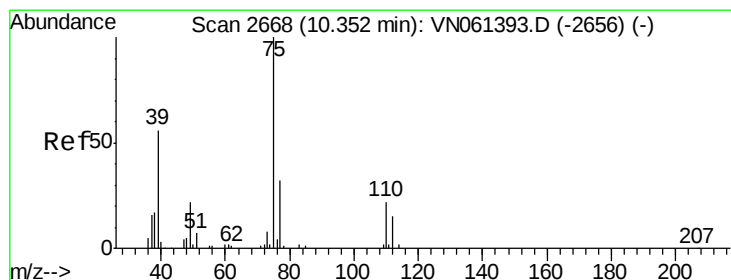
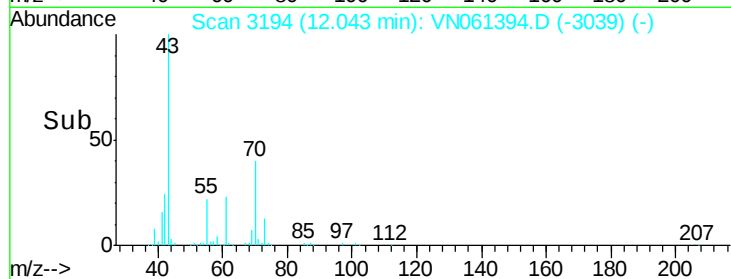
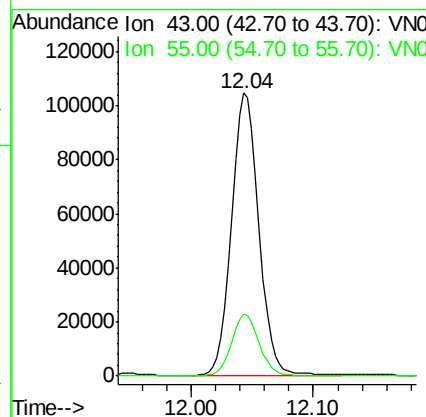
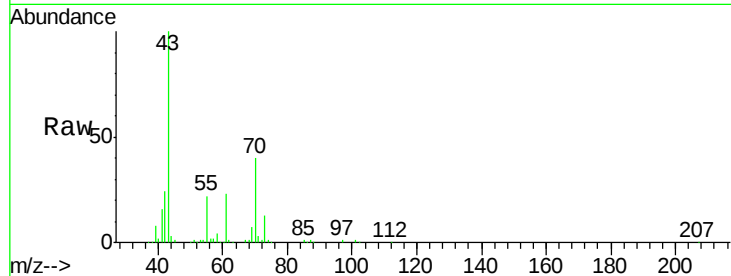
#47
n-amvl Acetate
Concen: 54.833 ug/l
RT: 12.04 min Scan# 3194
Delta R.T. -0.00 min
Lab File: VN061394.D
Acq: 14 May 2020 15:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion: 43 Resp: 162172
Ion Ratio Lower Upper
43 100
55 22.0 19.6 29.4

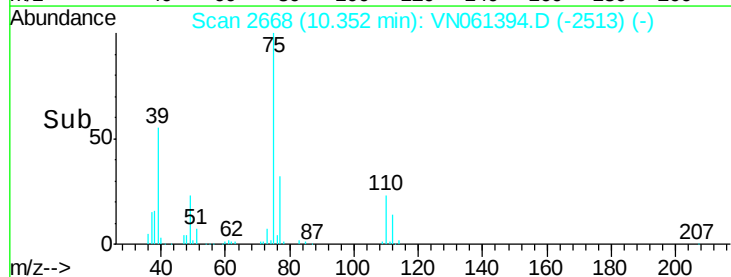
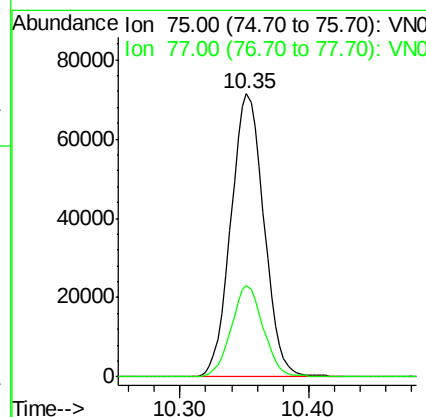
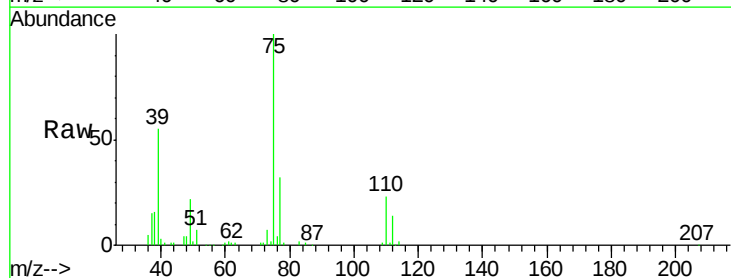
Manual Integrations
APPROVED

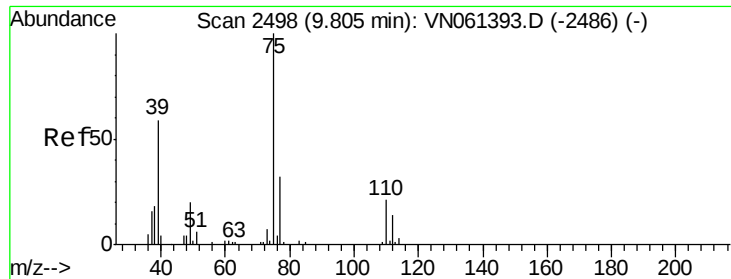
MMDadoda
5/15/2020 2:10:39 PM



#48
t-1,3-Dichloropropene
Concen: 56.721 ug/l
RT: 10.35 min Scan# 2668
Delta R.T. -0.00 min
Lab File: VN061394.D
Acq: 14 May 2020 15:00

Tgt Ion: 75 Resp: 127199
Ion Ratio Lower Upper
75 100
77 32.3 27.0 40.4





#49

cis-1,3-Dichloropropene

Concen: 56.574 ug/l

RT: 9.81 min Scan# 2499

Delta R.T. 0.00 min

Lab File: VN061394.D

Acq: 14 May 2020 15:00

Instrument :

MSVOA_N

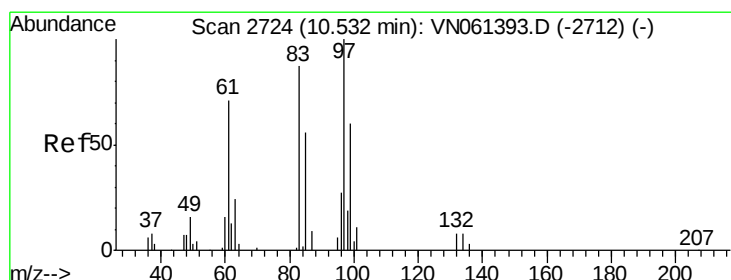
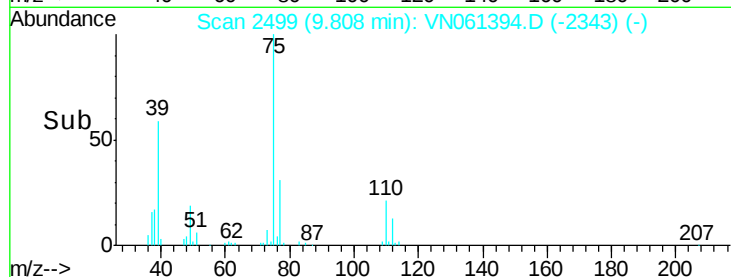
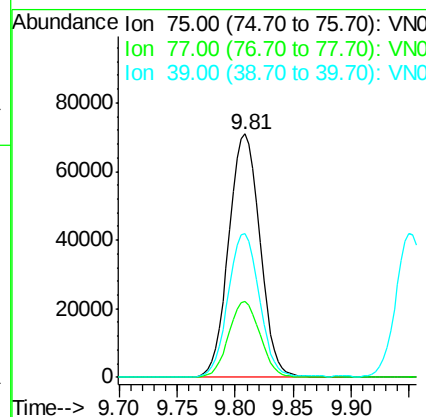
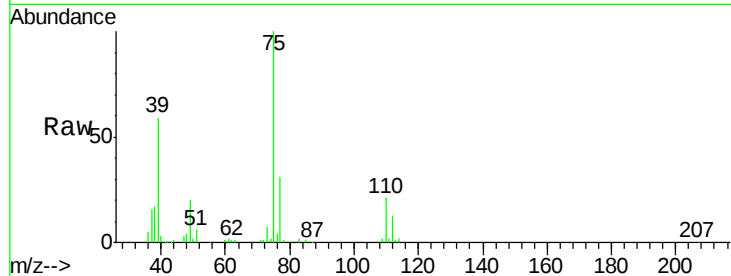
ClientSampleId :

VSTDIC050

Tot Ion:	75	Resp:	132767
Ion Ratio	Lower	Upper	
75	100		
77	31.4	26.1	39.1
39	58.7	43.1	64.7

Manual Integrations
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#50

1,1,2-Trichloroethane

Concen: 51.850 ug/l

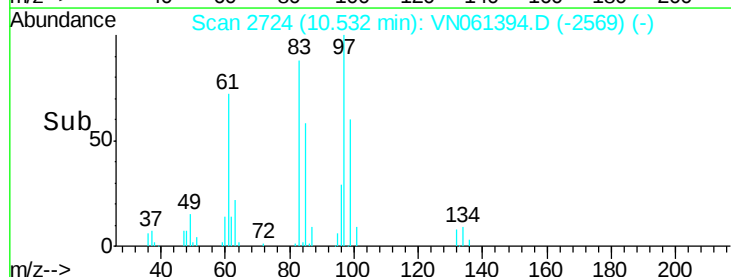
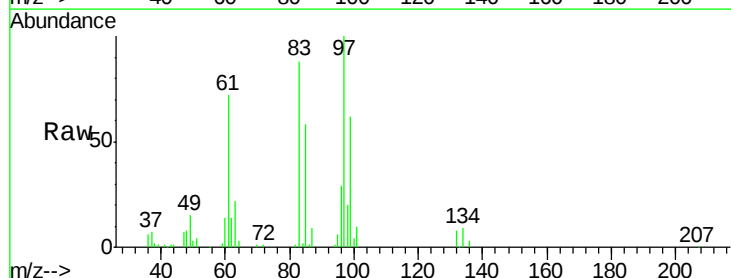
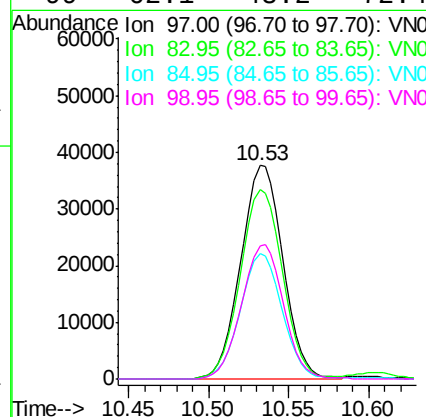
RT: 10.53 min Scan# 2724

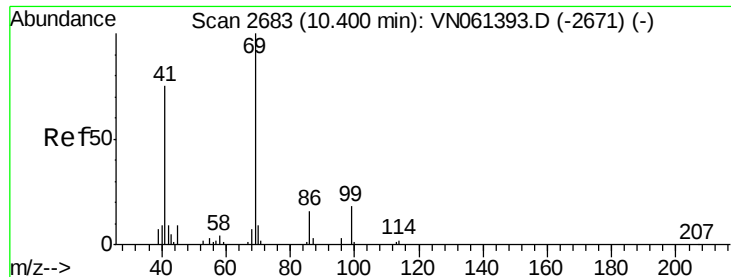
Delta R.T. -0.00 min

Lab File: VN061394.D

Acq: 14 May 2020 15:00

Tgt Ion:	97	Resp:	67955
Ion Ratio	Lower	Upper	
97	100		
83	88.5	70.7	106.1
85	58.5	45.1	67.7
99	62.1	48.2	72.4





#51

Ethyl methacrylate

Concen: 54.979 ug/l

RT: 10.40 min Scan# 2683

Delta R.T. -0.00 min

Lab File: VN061394.D

Acq: 14 May 2020 15:00

Instrument :

MSVOA_N

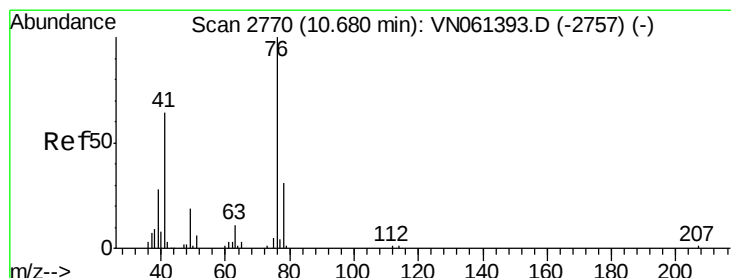
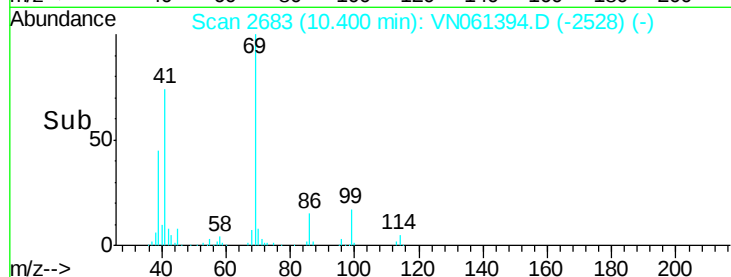
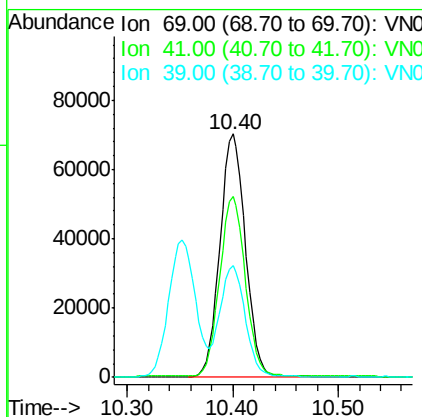
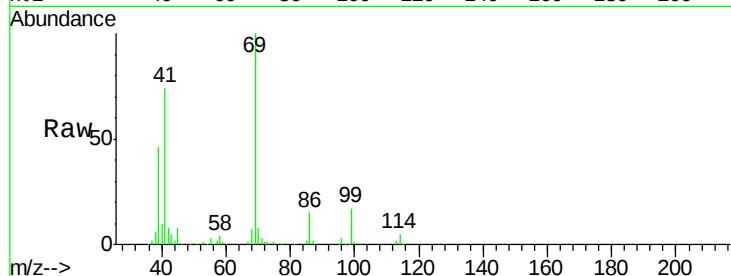
ClientSampleId :

VSTDIC050

Tot Ion:	69	Resp:	118080
Ion	Ratio	Lower	Upper
69	100		
41	73.8	34.7	104.1
39	45.3	20.3	60.8

Manual Integrations
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#52

1,3-Dichloropropane

Concen: 53.176 ug/l

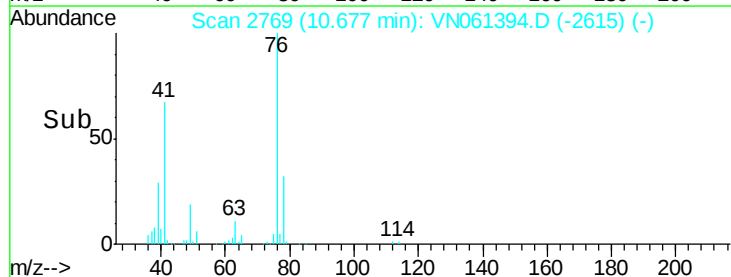
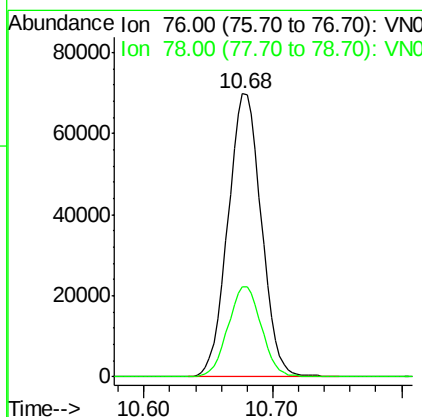
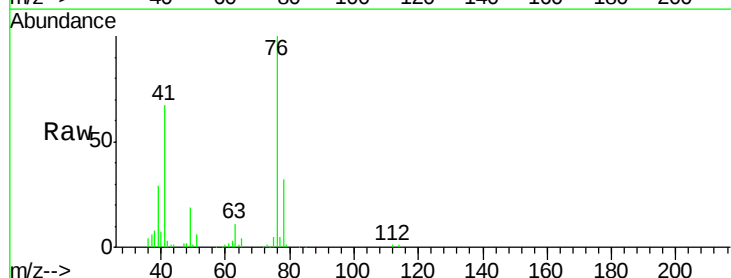
RT: 10.68 min Scan# 2769

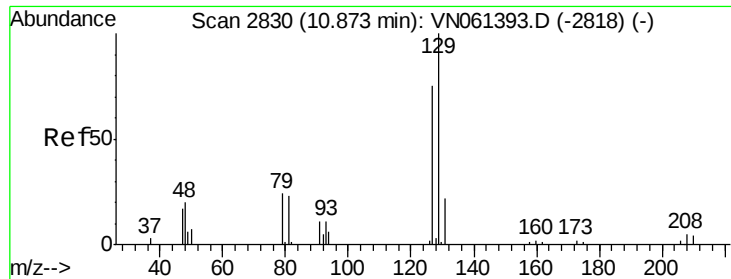
Delta R.T. -0.00 min

Lab File: VN061394.D

Acq: 14 May 2020 15:00

Tgt Ion:	76	Resp:	125820
Ion	Ratio	Lower	Upper
76	100		
78	31.8	0.0	63.2





#53

Dibromochloromethane

Concen: 52.952 ug/l

RT: 10.87 min Scan# 2830

Delta R.T. -0.00 min

Lab File: VN061394.D

Acq: 14 May 2020 15:00

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

Tot Ion:129 Resp: 75060

Ion Ratio Lower Upper

129 100

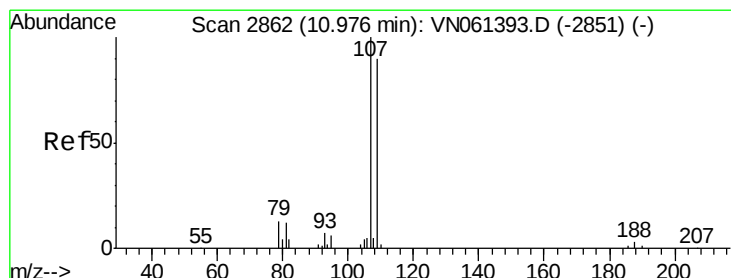
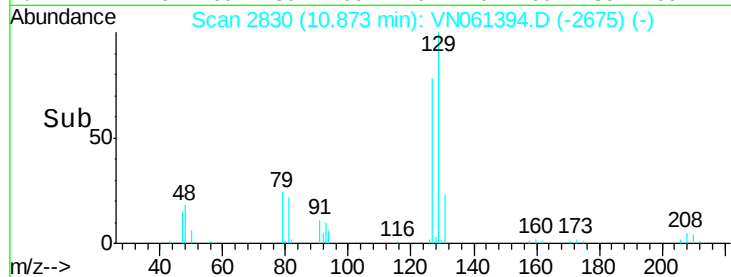
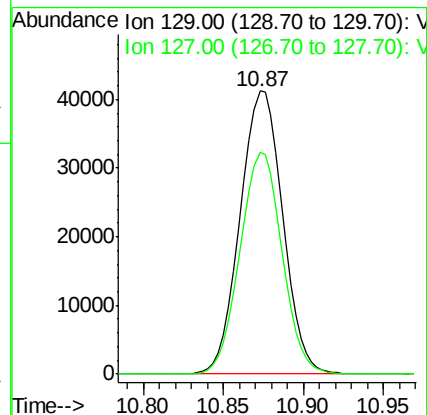
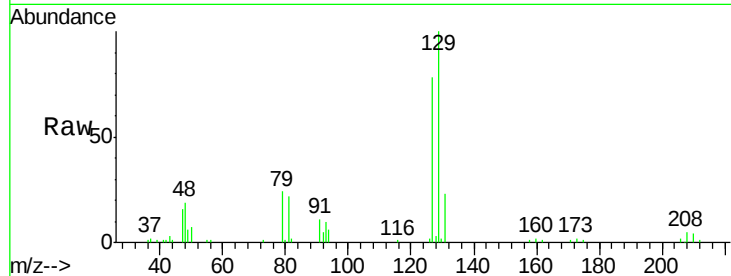
127 77.3 39.1 117.5

Manual Integrations

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#54

1,2-Dibromoethane

Concen: 51.231 ug/l

RT: 10.98 min Scan# 2863

Delta R.T. 0.00 min

Lab File: VN061394.D

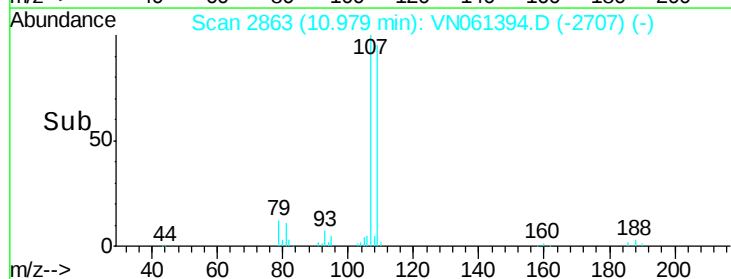
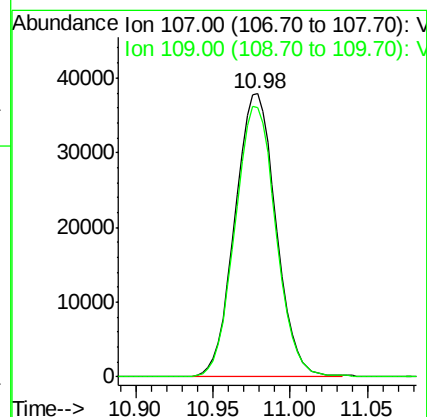
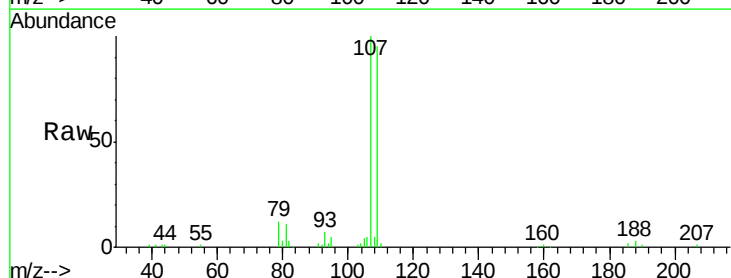
Acq: 14 May 2020 15:00

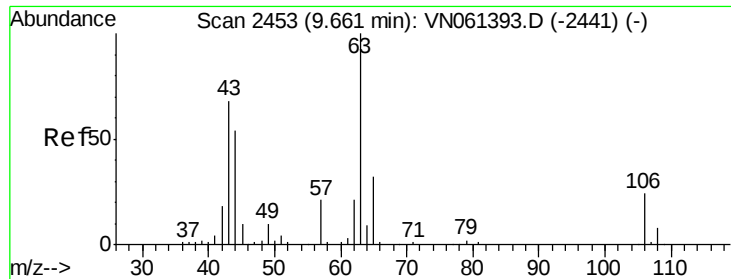
Tgt Ion:107 Resp: 69814

Ion Ratio Lower Upper

107 100

109 95.3 76.2 114.4





#55

2-Chloroethyl vinyl ether

Concen: 248.473 ug/l

RT: 9.66 min Scan# 2454

Delta R.T. 0.00 min

Lab File: VN061394.D

Acq: 14 May 2020 15:00

Instrument :

MSVOA_N

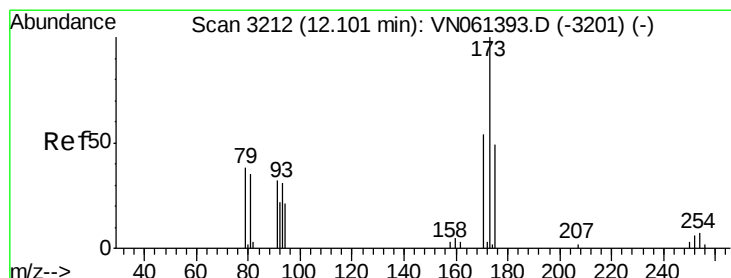
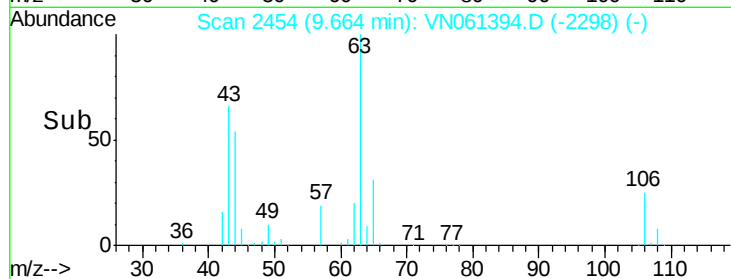
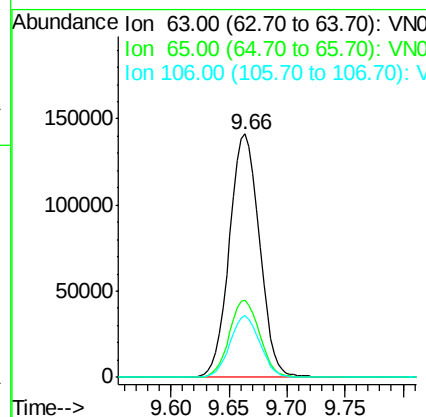
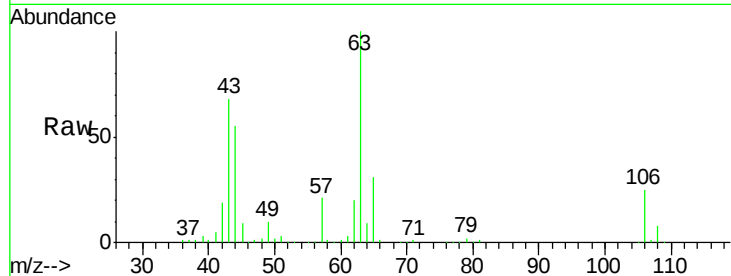
ClientSampleId :

VSTDIC050

Tot Ion:	63	Resp:	254736
Ion Ratio	Lower	Upper	
63	100		
65	31.9	25.3	37.9
106	25.0	19.8	29.6

Manual Integrations
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5/15/2020 2:10:39 PM



#56

Bromoform

Concen: 49.227 ug/l

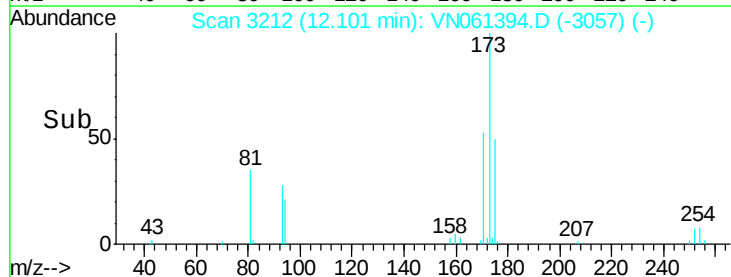
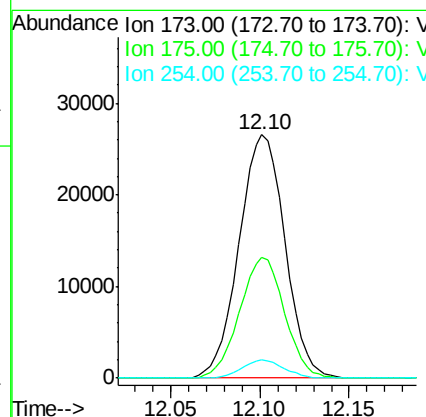
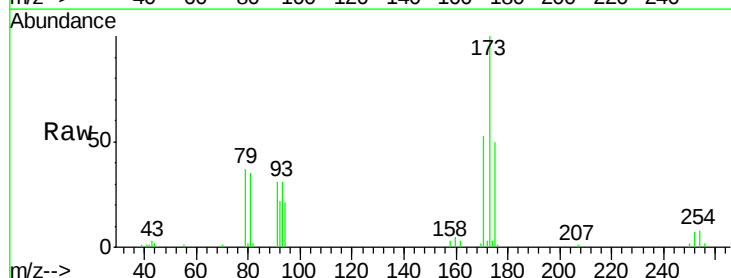
RT: 12.10 min Scan# 3212

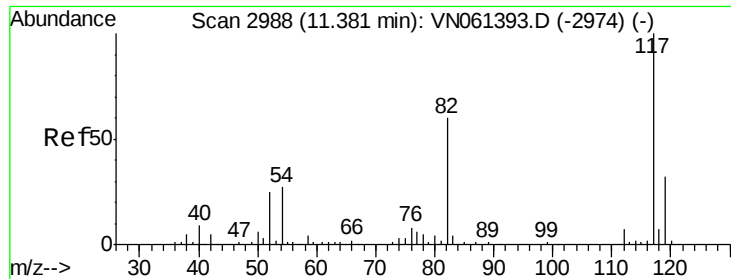
Delta R.T. -0.00 min

Lab File: VN061394.D

Acq: 14 May 2020 15:00

Tgt Ion:	173	Resp:	47649
Ion Ratio	Lower	Upper	
173	100		
175	48.4	38.7	58.1
254	6.7	7.4	11.2#





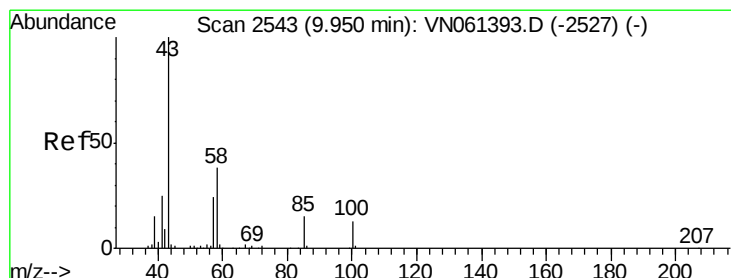
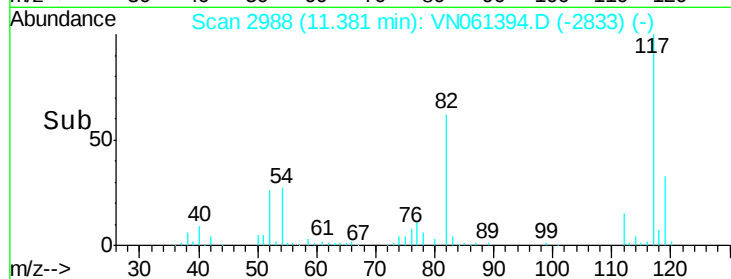
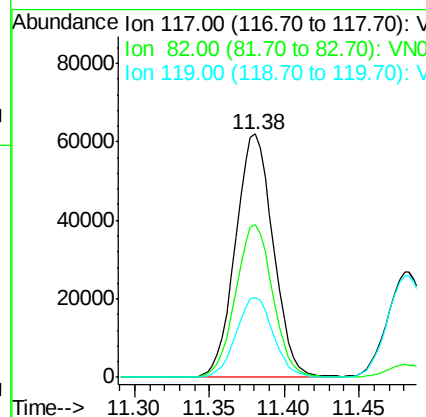
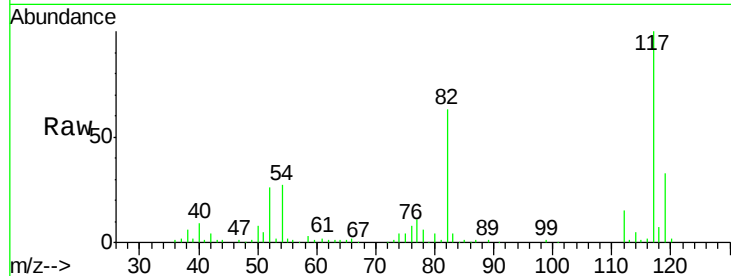
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. -0.00 min
Lab File: VN061394.D
Acq: 14 May 2020 15:00

Instrument :
MSVOA_N
ClientSampled :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	61.8	46.9	70.3
119	32.1	25.8	38.6

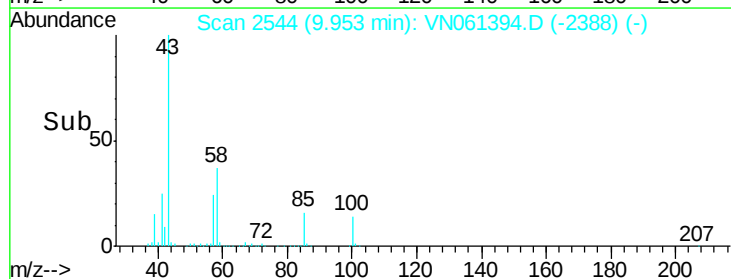
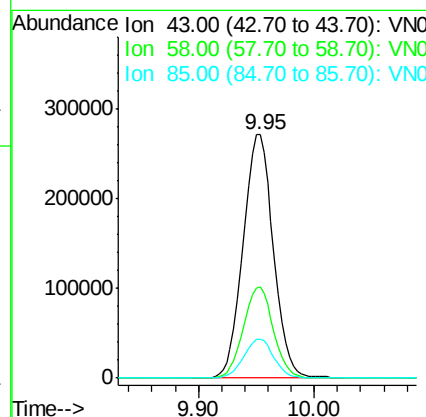
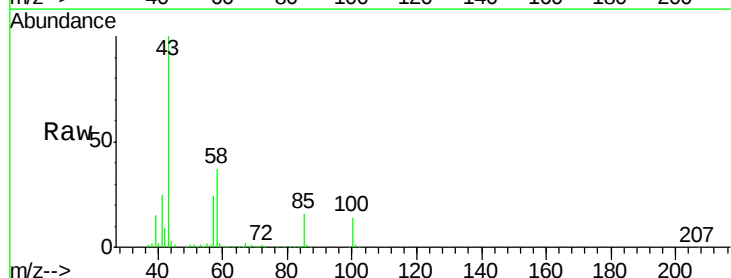
Manual Integrations
APPROVED

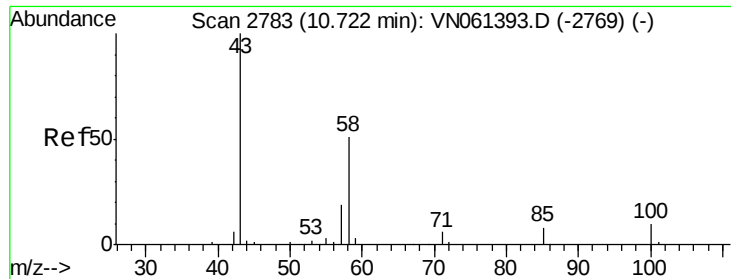
MMDadoda
5/15/2020 2:10:39 PM



#58
4-Methyl-2-Pentanone
Concen: 250.087 ug/l
RT: 9.95 min Scan# 2544
Delta R.T. 0.00 min
Lab File: VN061394.D
Acq: 14 May 2020 15:00

Tgt Ion	Ratio	Lower	Upper
43	100		
58	37.4	30.1	45.1
85	16.1	13.2	19.8





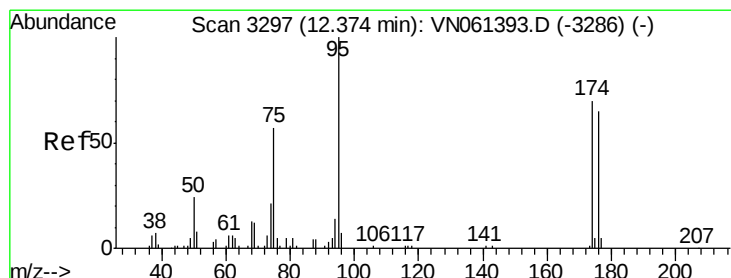
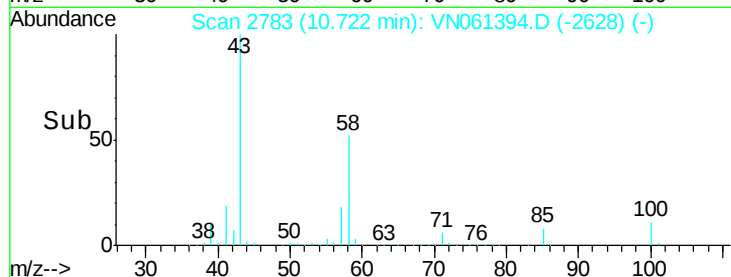
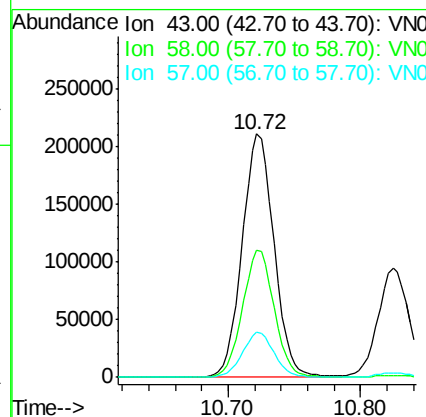
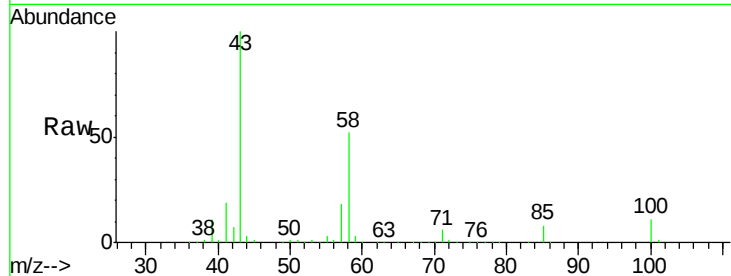
#59
2-Hexanone
Concen: 231.326 ug/l
RT: 10.72 min Scan# 2783
Delta R.T. -0.00 min
Lab File: VN061394.D
Acq: 14 May 2020 15:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
43	100		
58	52.3	41.4	62.0
57	18.5	14.7	22.1

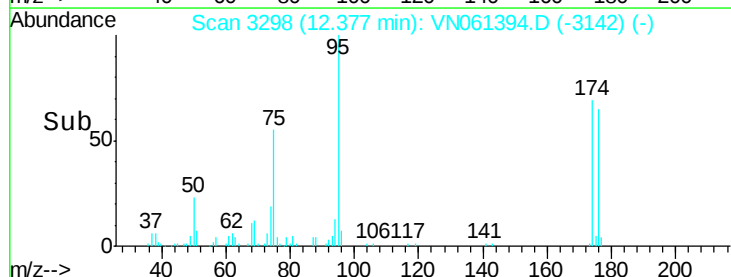
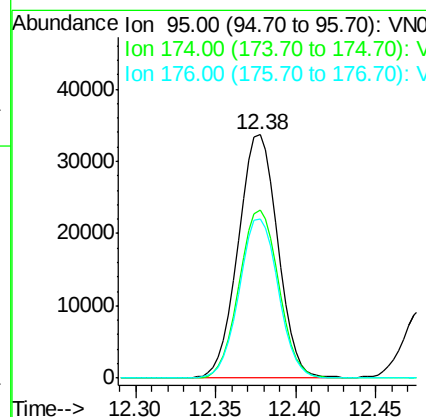
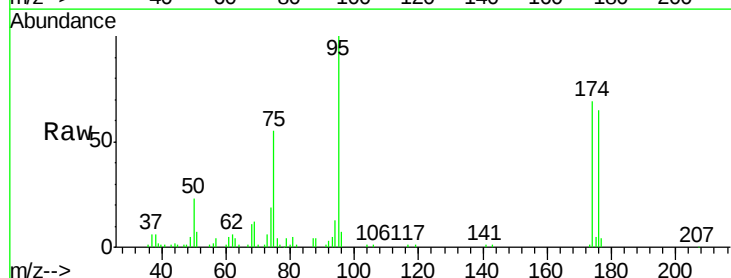
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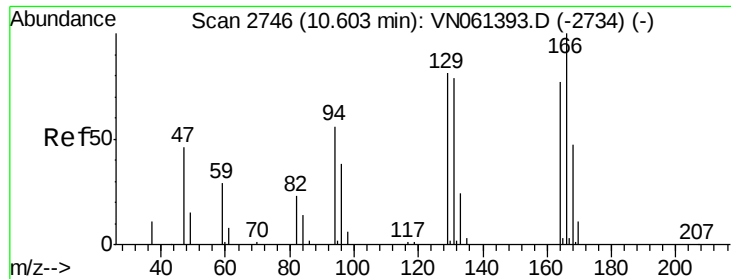
MMDadoda
5/15/2020 2:10:39 PM



#60
4-Bromofluorobenzene
Concen: 30.072 ug/l
RT: 12.38 min Scan# 3298
Delta R.T. 0.00 min
Lab File: VN061394.D
Acq: 14 May 2020 15:00

Tgt Ion	Ratio	Lower	Upper
95	100		
174	68.8	59.9	89.9
176	64.5	58.3	87.5





#61

Tetrachloroethene

Concen: 57.769 ug/l

RT: 10.60 min Scan# 2746

Delta R.T. -0.00 min

Lab File: VN061394.D

Acq: 14 May 2020 15:00

Instrument :

MSVOA_N

ClientSampled :

VSTDIC050

Tot Ion:164 Resp: 68977

Ion Ratio Lower Upper

164 100

166 122.3 101.4 152.2

129 99.1 78.1 117.1

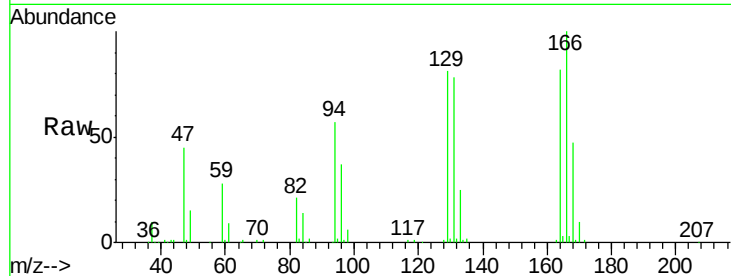
131 95.6 73.2 109.8

Manual Integrations

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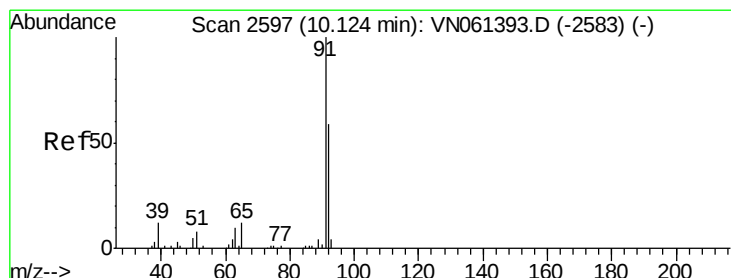
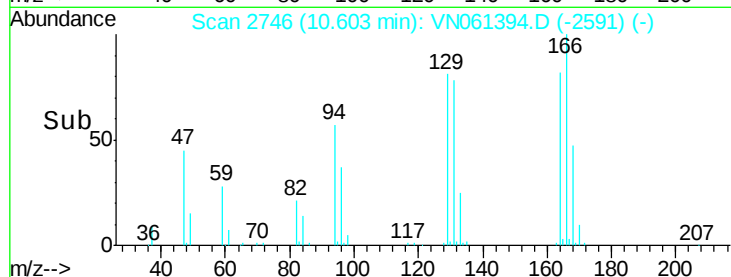
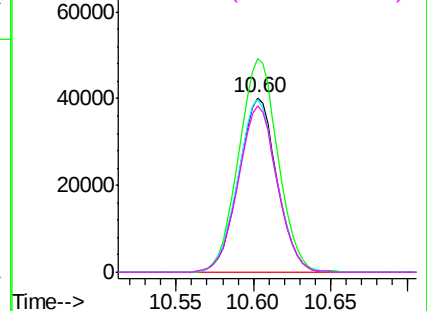


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 53.717 ug/l

RT: 10.12 min Scan# 2597

Delta R.T. -0.00 min

Lab File: VN061394.D

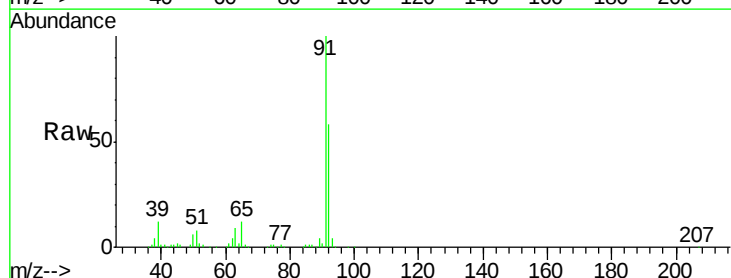
Acq: 14 May 2020 15:00

Tgt Ion: 91 Resp: 315168

Ion Ratio Lower Upper

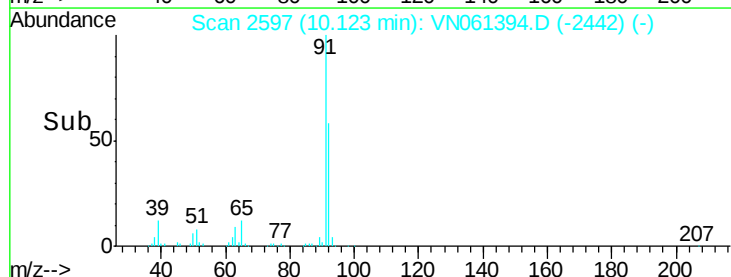
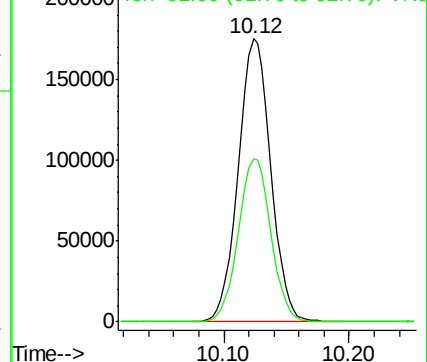
91 100

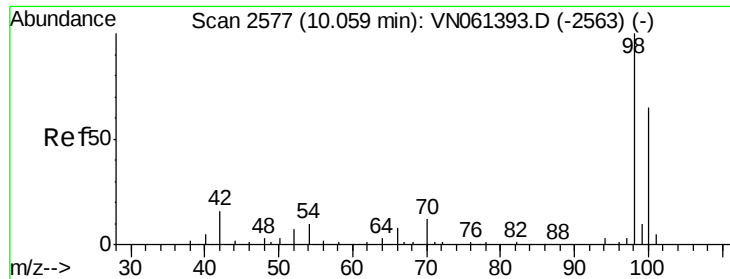
92 58.0 45.4 68.2



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V





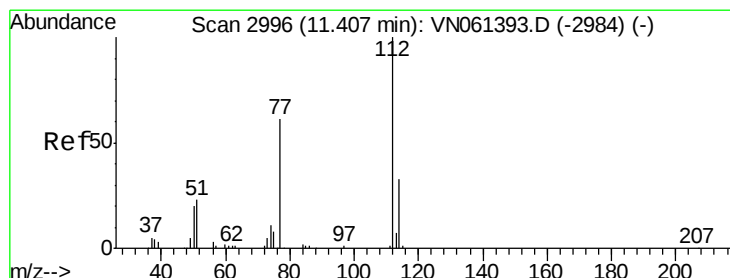
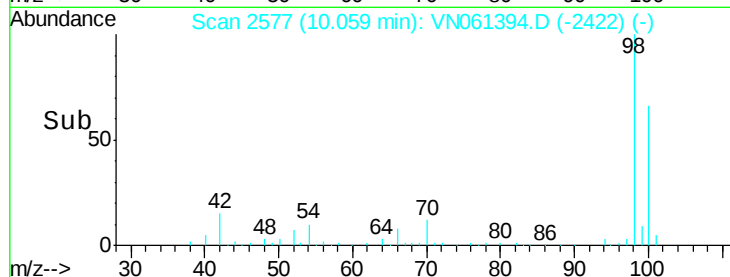
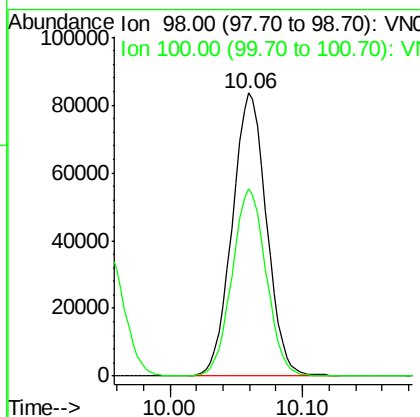
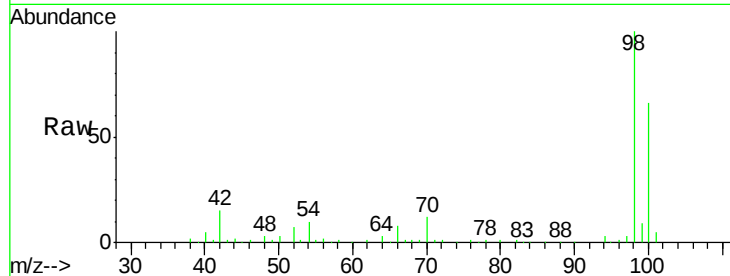
#63
Toluene-d8
Concen: 29.391 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. -0.00 min
Lab File: VN061394.D
Acq: 14 May 2020 15:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion: 98 Resp: 150273
Ion Ratio Lower Upper
98 100
100 65.2 50.6 75.8

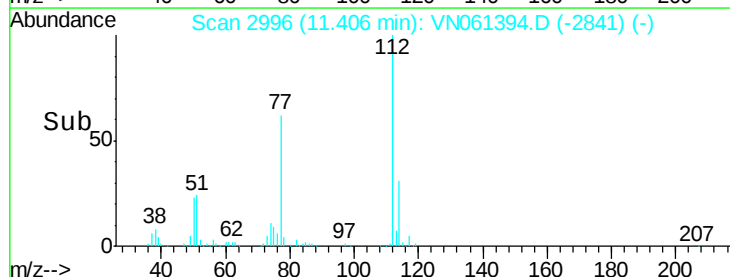
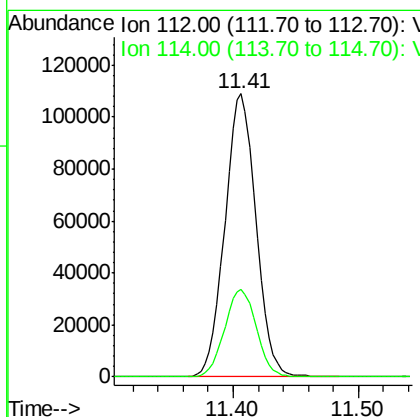
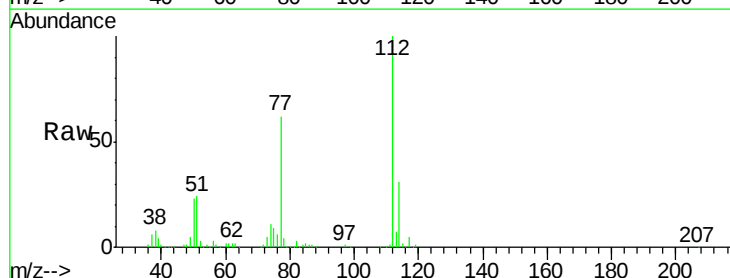
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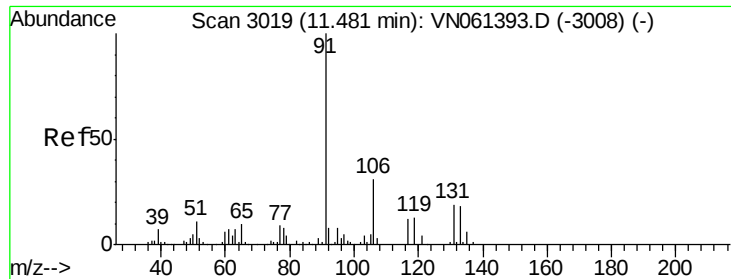
MMDadoda
5/15/2020 2:10:39 PM



#64
Chlorobenzene
Concen: 52.678 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN061394.D
Acq: 14 May 2020 15:00

Tgt Ion: 112 Resp: 187573
Ion Ratio Lower Upper
112 100
114 30.7 25.7 38.5





#65

1,1,1,2-Tetrachloroethane

Concen: 51.465 ug/l

RT: 11.48 min Scan# 3020

Delta R.T. 0.00 min

Lab File: VN061394.D

Acq: 14 May 2020 15:00

Instrument :

MSVOA_N

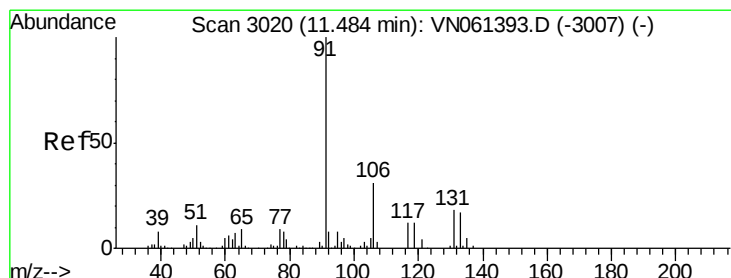
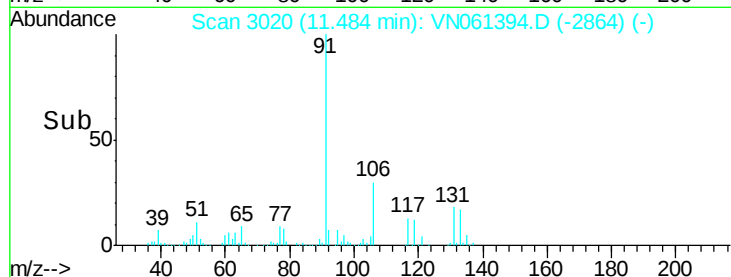
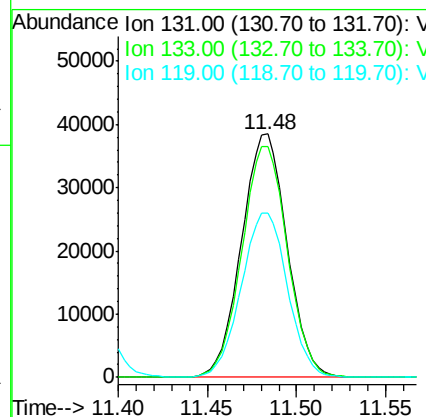
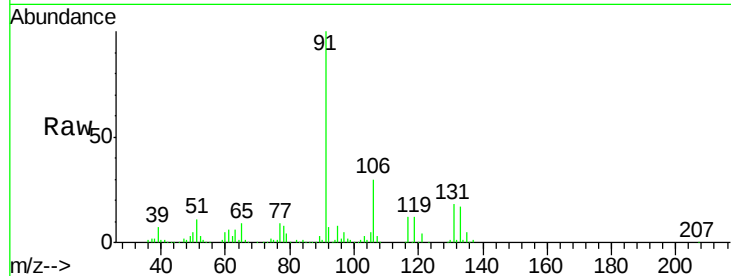
ClientSampleId :

VSTDIC050

Tot Ion:	131	Resp:	68490
Ion	Ratio	Lower	Upper
131	100		
133	94.9	0.0	194.0
119	68.5	0.0	136.8

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#66

Ethyl Benzene

Concen: 55.322 ug/l

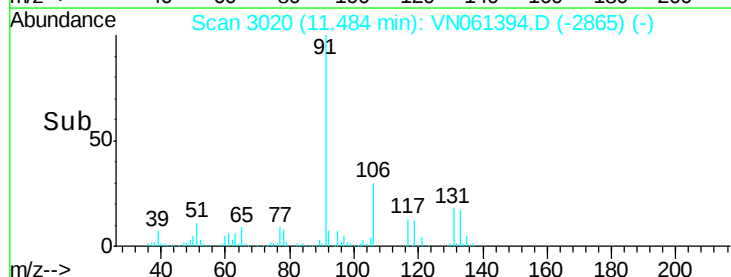
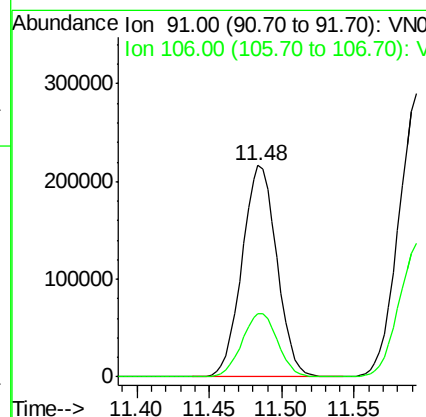
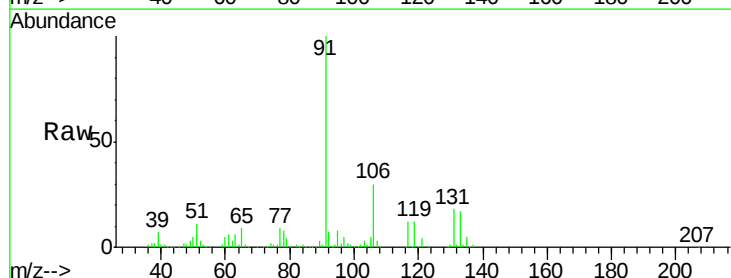
RT: 11.48 min Scan# 3020

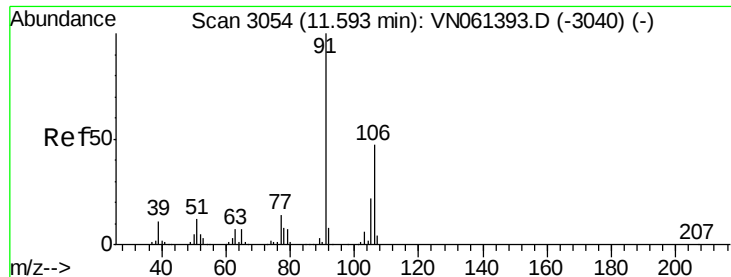
Delta R.T. -0.00 min

Lab File: VN061394.D

Acq: 14 May 2020 15:00

Tgt Ion:	91	Resp:	361423
Ion	Ratio	Lower	Upper
91	100		
106	30.2	24.2	36.4





#67

m/p-Xylenes

Concen: 109.822 ug/l

RT: 11.60 min Scan# 3055

Delta R.T. 0.00 min

Lab File: VN061394.D

Acq: 14 May 2020 15:00

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

Tot Ion:106 Resp: 267518

Ion Ratio Lower Upper

106 100

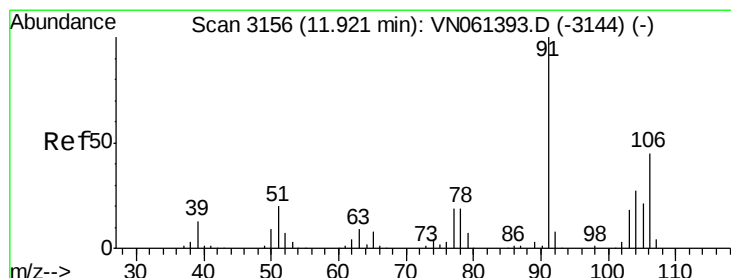
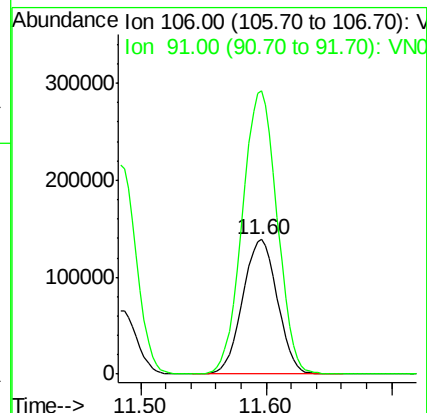
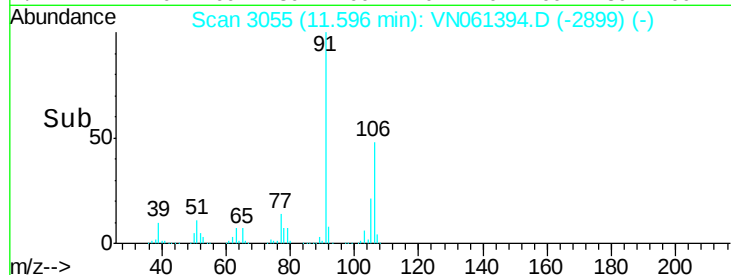
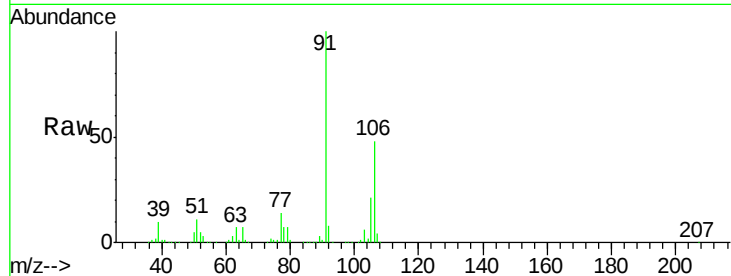
91 211.2 165.6 248.4

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#68

o-Xylene

Concen: 54.817 ug/l

RT: 11.92 min Scan# 3156

Delta R.T. -0.00 min

Lab File: VN061394.D

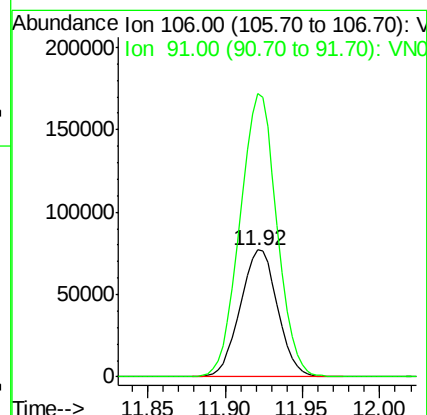
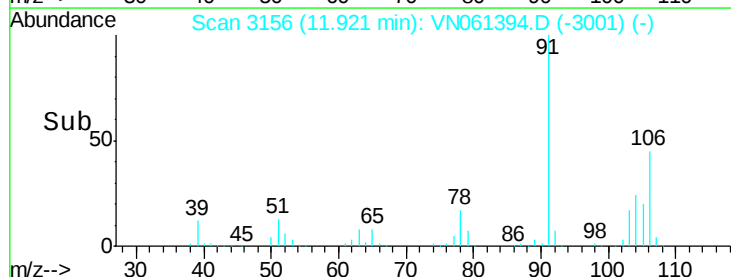
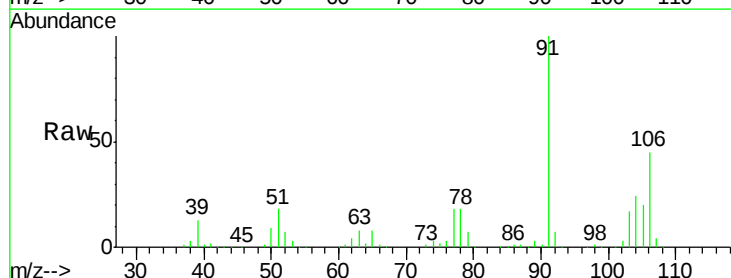
Acq: 14 May 2020 15:00

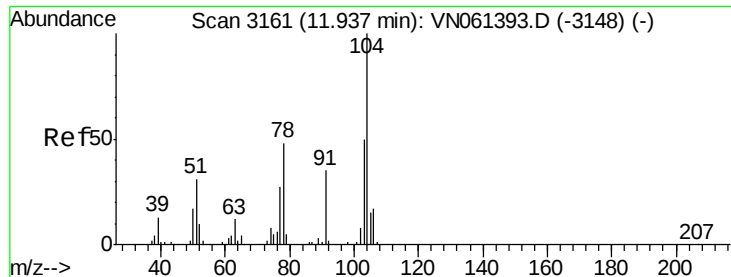
Tgt Ion:106 Resp: 129575

Ion Ratio Lower Upper

106 100

91 220.3 109.8 329.4





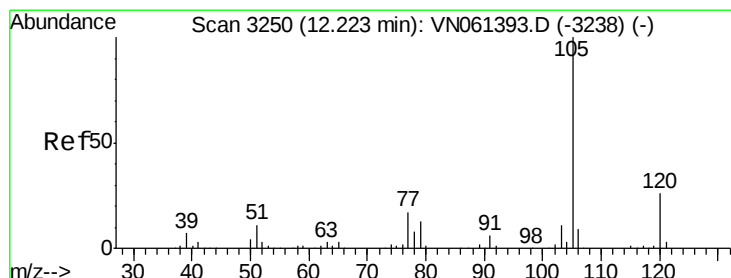
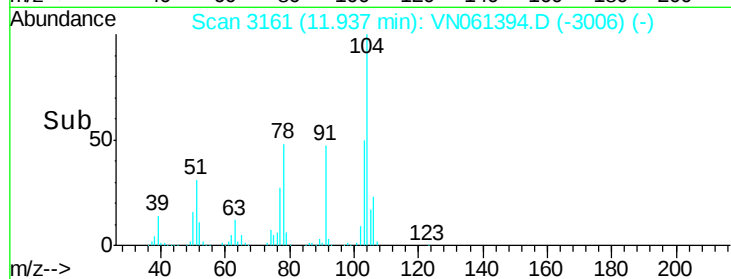
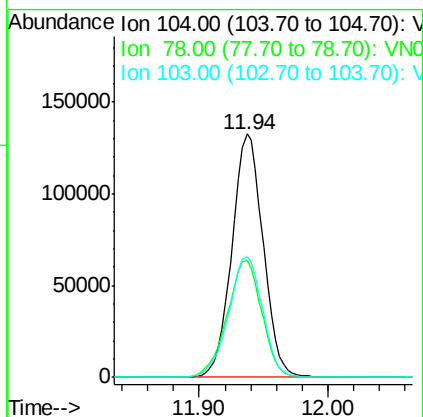
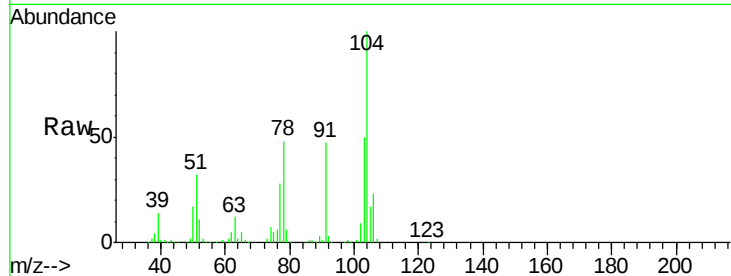
#69
Stvrene
Concen: 56.816 ug/l
RT: 11.94 min Scan# 3161
Delta R.T. -0.00 min
Lab File: VN061394.D
Acq: 14 May 2020 15:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Resp	Lower	Upper
104	100	223055		
78	53.2		42.4	63.6
103	54.1		44.6	66.8

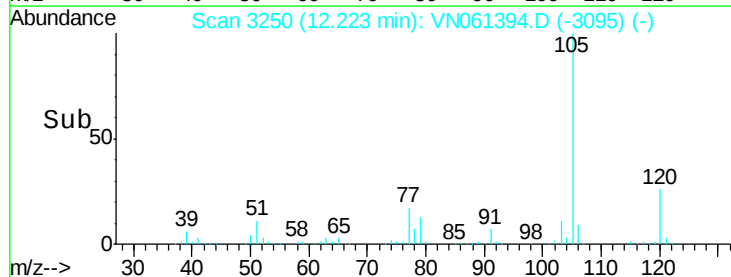
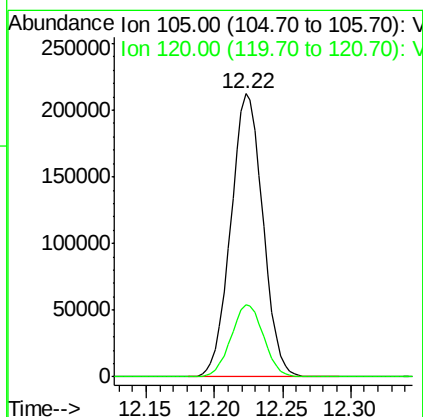
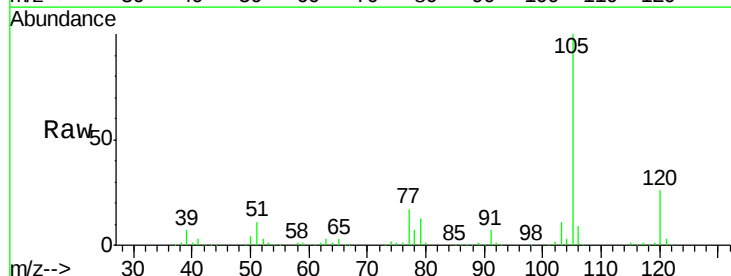
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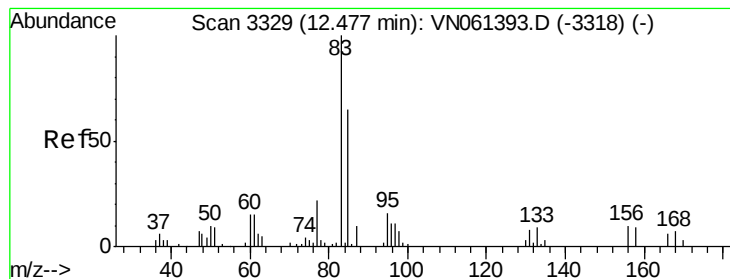
MMDadoda
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#70
Isopropylbenzene
Concen: 54.578 ug/l
RT: 12.22 min Scan# 3250
Delta R.T. -0.00 min
Lab File: VN061394.D
Acq: 14 May 2020 15:00

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	346501		
120	25.8		18.4	34.2





#71

1,1,2,2-Tetrachloroethane

Concen: 46.208 ug/l

RT: 12.48 min Scan# 3330

Delta R.T. 0.00 min

Lab File: VN061394.D

Acq: 14 May 2020 15:00

Instrument :

MSVOA_N

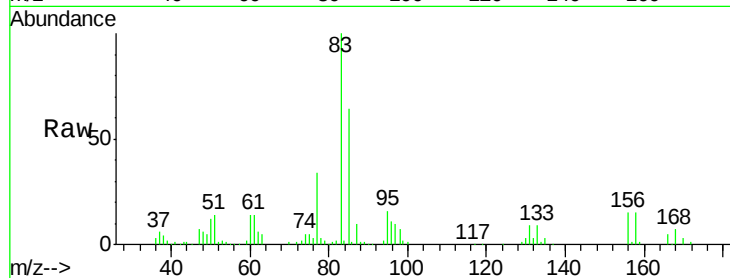
ClientSampleId :

VSTDIC050

Tot Ion:	83	Resp:	95752
Ion Ratio	Lower	Upper	
83	100		
131	9.1	4.9	14.7
85	65.2	31.6	94.7

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Abundance Ion 83.00 (82.70 to 83.70): VN061393.D (-3318) (-)

Ion 131.00 (130.70 to 131.70): VN061393.D (-3318) (-)

Ion 85.00 (84.70 to 85.70): VN061393.D (-3318) (-)

Time--> 12.40 12.45 12.50

12.48

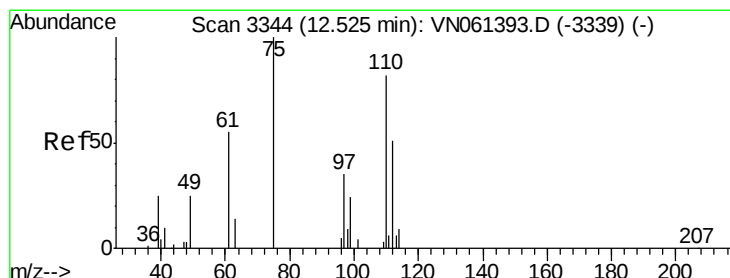
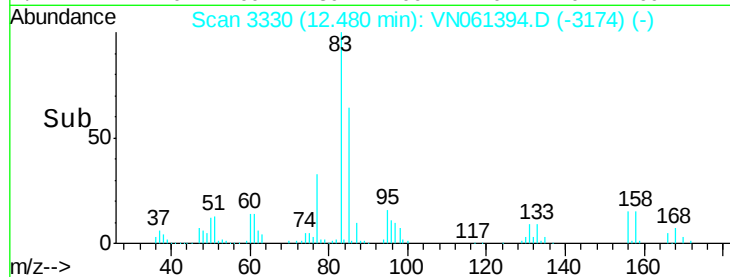
60000

40000

20000

0

Time--> 12.40 12.45 12.50



#72

1,2,3-Trichloropropane

Concen: 46.969 ug/l m

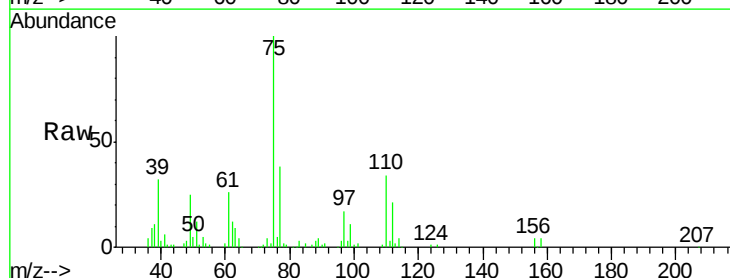
RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN061394.D

Acq: 14 May 2020 15:00

Tgt Ion:	75	Resp:	89334
Ion Ratio	Lower	Upper	
75	100		
77	200.9	0.0	359.4



Abundance Ion 75.00 (74.70 to 75.70): VN061393.D (-3339) (-)

Ion 77.00 (76.70 to 77.70): VN061393.D (-3339) (-)

Time--> 12.50 12.55

12.53

100000

80000

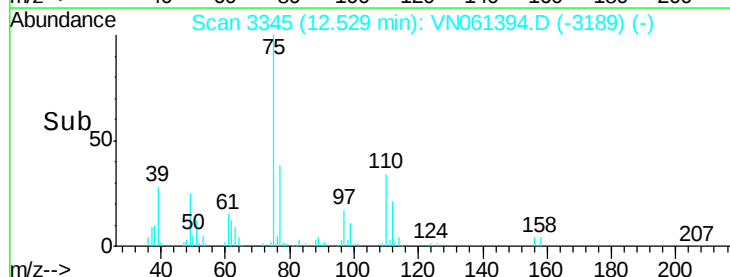
60000

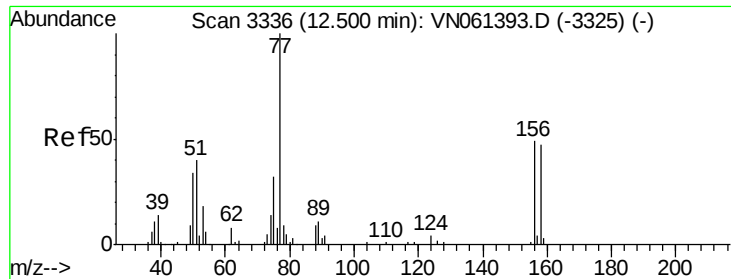
40000

20000

0

Time--> 12.50 12.55





#73

Bromobenzene

Concen: 48.905 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VN061394.D

Acq: 14 May 2020 15:00

Instrument :

MSVOA_N

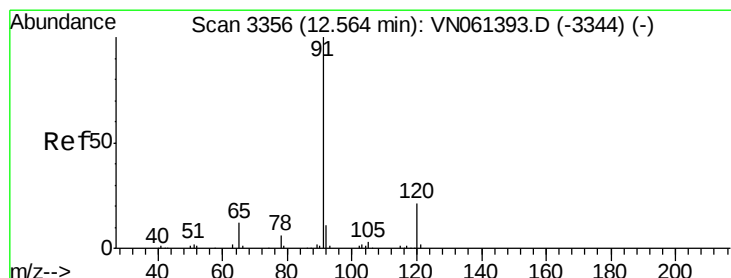
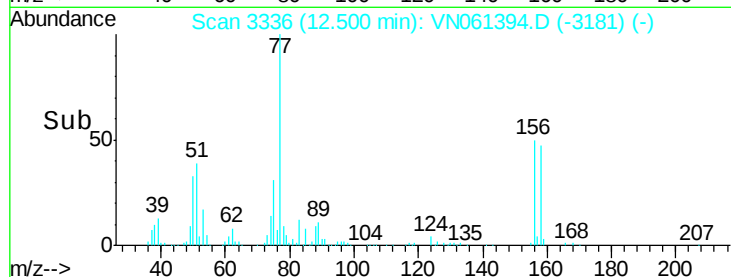
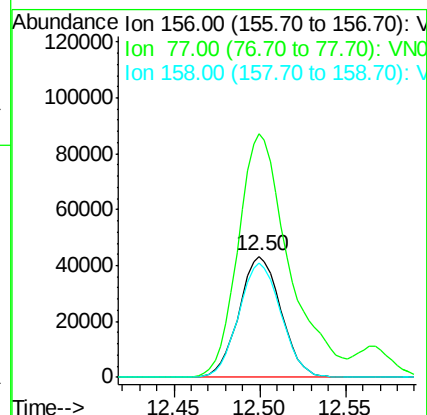
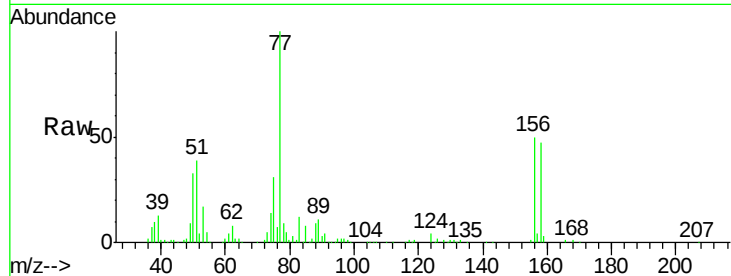
ClientSampled :

VSTDIC050

Tot Ion:	156	Resp:	73200
Ion	Ratio	Lower	Upper
156	100		
77	245.2	0.0	456.0
158	95.7	0.0	195.4

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#74

n-propylbenzene

Concen: 55.971 ug/l

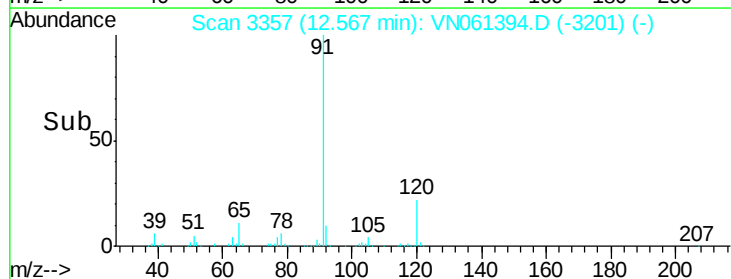
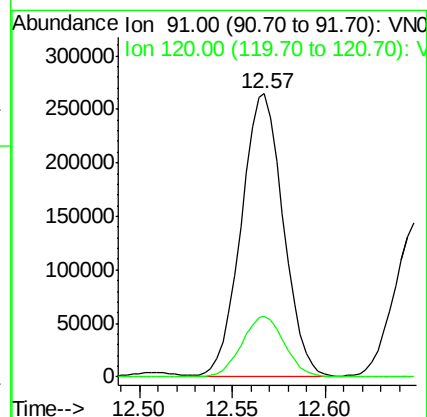
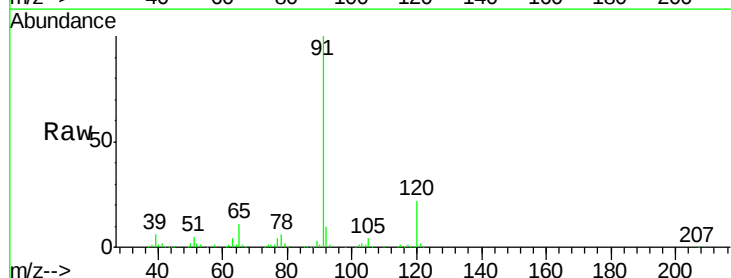
RT: 12.57 min Scan# 3357

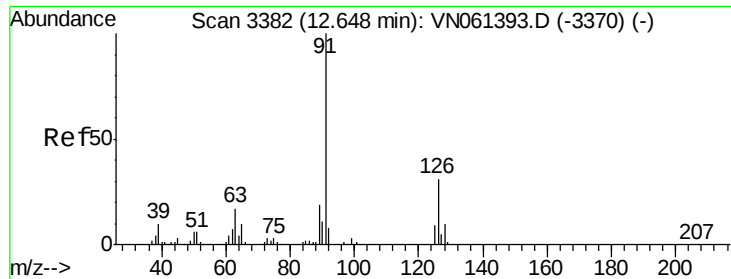
Delta R.T. 0.00 min

Lab File: VN061394.D

Acq: 14 May 2020 15:00

Tgt Ion:	91	Resp:	416078
Ion	Ratio	Lower	Upper
91	100		
120	21.6	0.0	43.6





#75

2-Chlorotoluene

Concen: 53.785 ug/l

RT: 12.65 min Scan# 3383

Delta R.T. 0.00 min

Lab File: VN061394.D

Acq: 14 May 2020 15:00

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

Tot Ion: 91 Resp: 239942

Ion Ratio Lower Upper

91 100

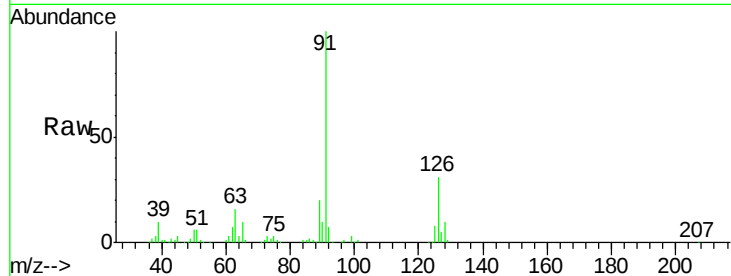
126 31.4 0.0 65.4

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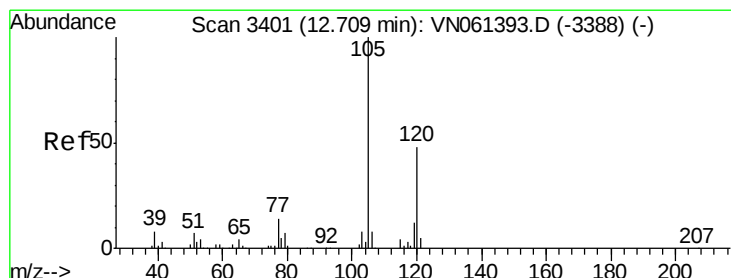
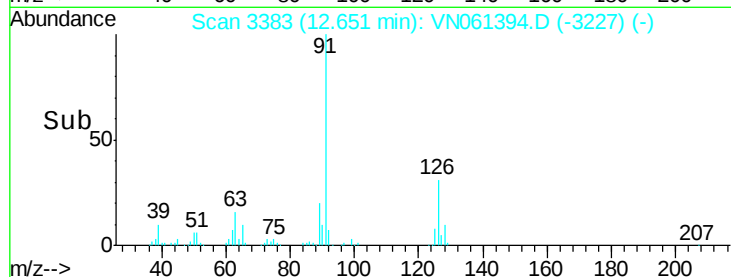
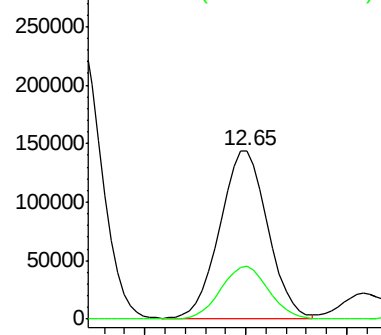
MMDadoda

5/15/2020 2:10:39 PM



Abundance Ion 91.00 (90.70 to 91.70): VN

Ion 126.00 (125.70 to 126.70): V



#76

1,3,5-Trimethylbenzene

Concen: 54.473 ug/l

RT: 12.71 min Scan# 3401

Delta R.T. -0.00 min

Lab File: VN061394.D

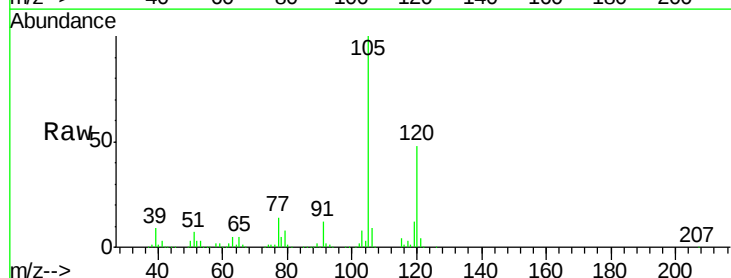
Acq: 14 May 2020 15:00

Tgt Ion:105 Resp: 295324

Ion Ratio Lower Upper

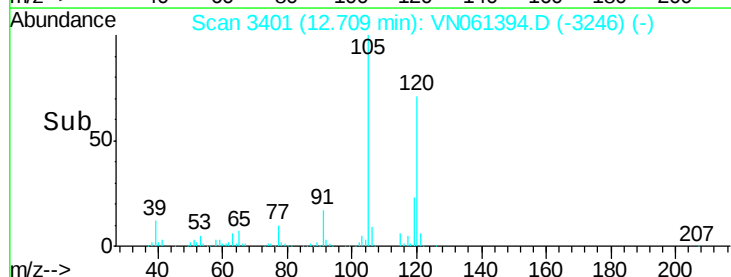
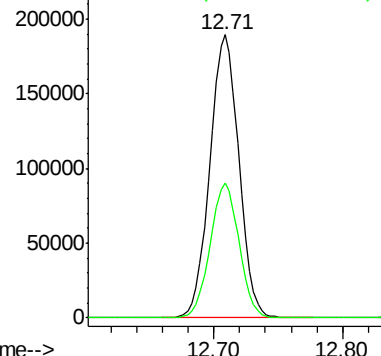
105 100

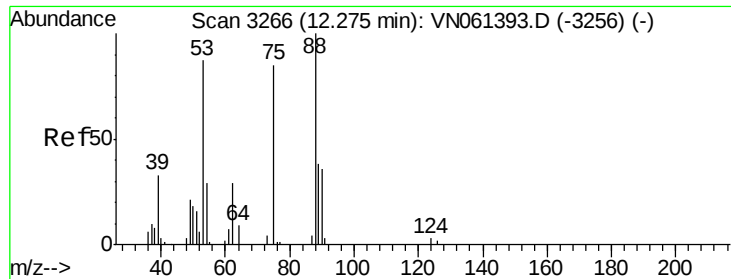
120 47.5 0.0 94.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





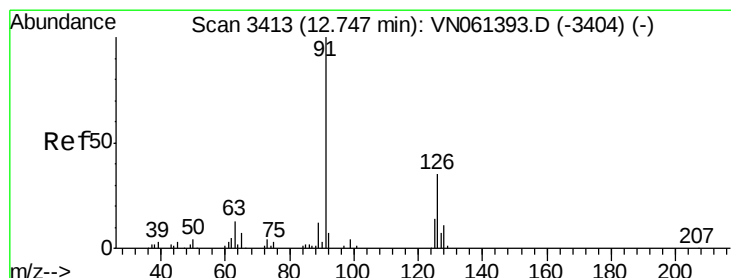
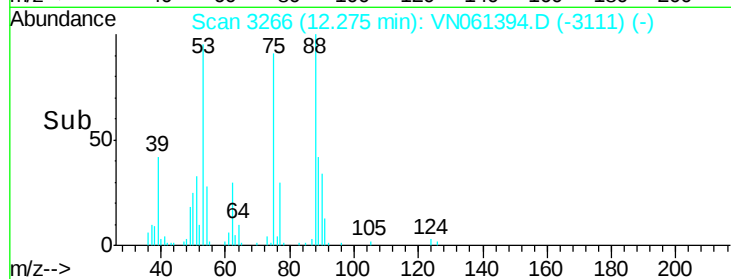
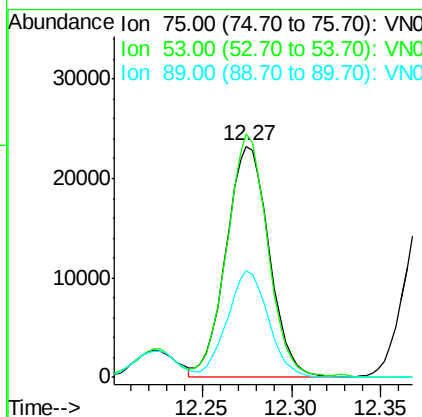
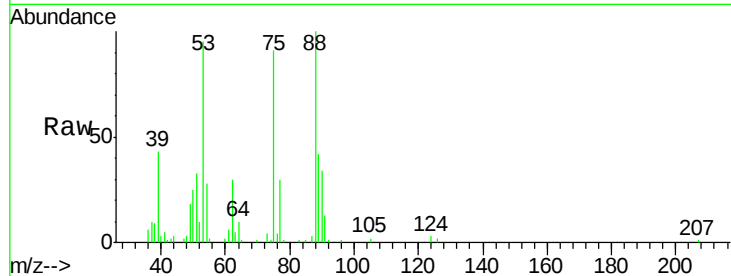
#77
t-1,4-Dichloro-2-butene
Concen: 53.162 ug/l
RT: 12.27 min Scan# 3266
Delta R.T. -0.00 min
Lab File: VN061394.D
Acq: 14 May 2020 15:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	104.2	50.0	150.0
89	46.0	20.7	62.1

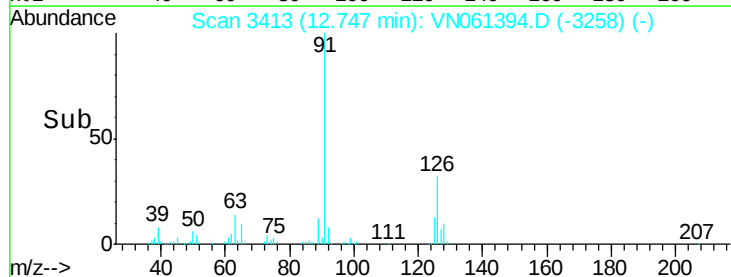
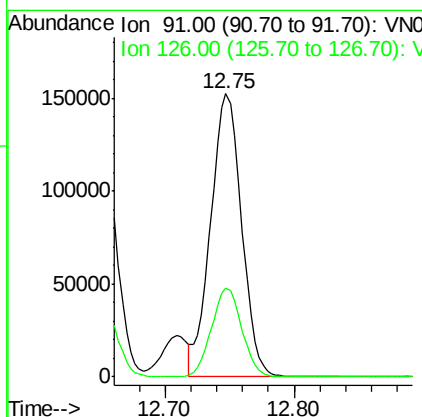
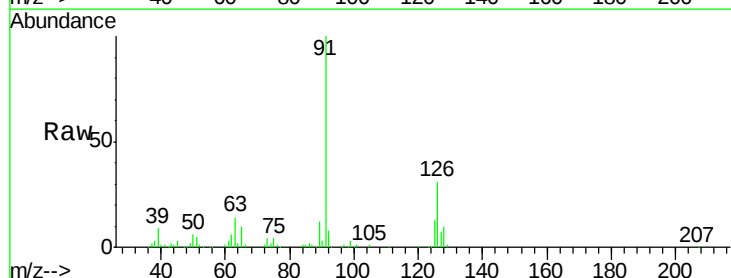
Manual Integrations
APPROVED

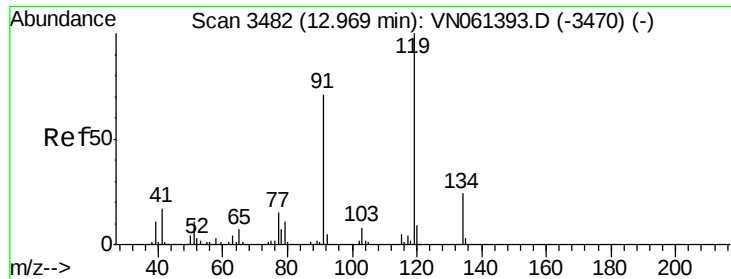
MMDadoda
5/15/2020 2:10:39 PM



#78
4-Chlorotoluene
Concen: 54.881 ug/l
RT: 12.75 min Scan# 3413
Delta R.T. -0.00 min
Lab File: VN061394.D
Acq: 14 May 2020 15:00

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.9	0.0	63.4





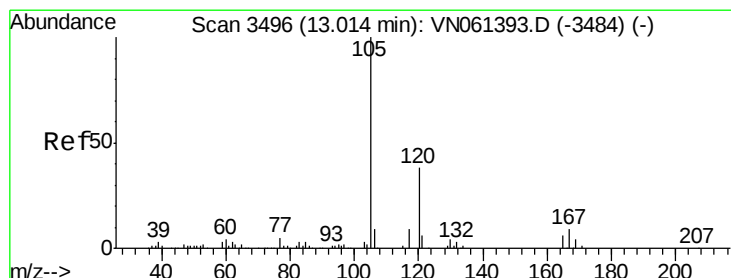
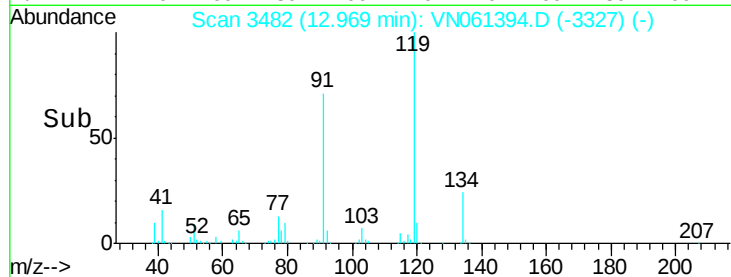
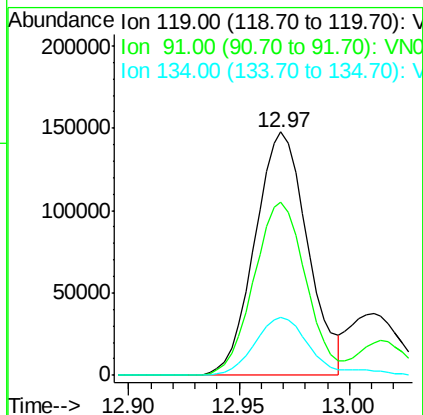
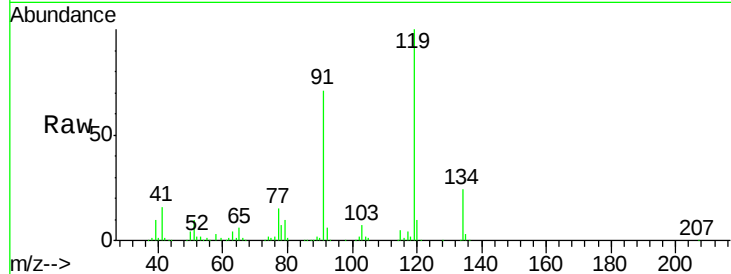
#79
tert-butylbenzene
Concen: 53.069 ug/l
RT: 12.97 min Scan# 3482
Delta R.T. -0.00 min
Lab File: VN061394.D
Acq: 14 May 2020 15:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	244785		
91	70.7	0.0	136.4	
134	23.9	0.0	47.2	

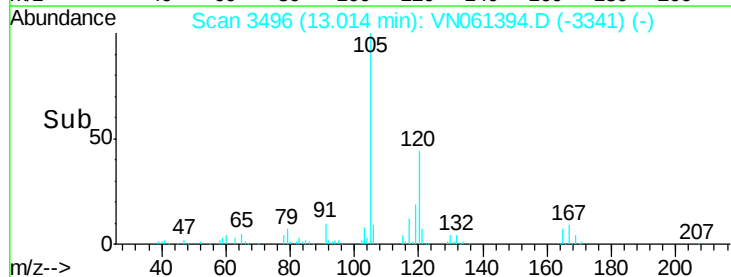
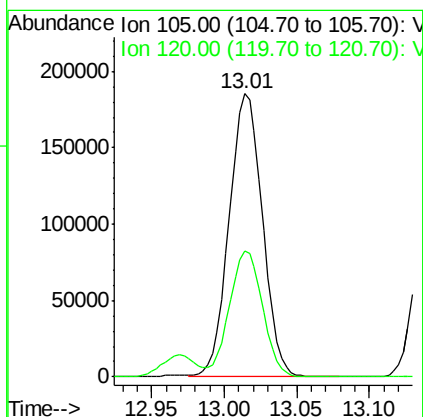
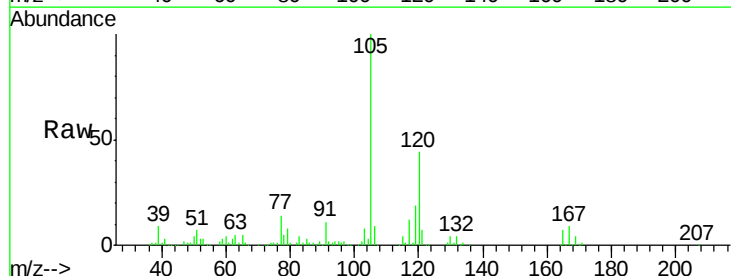
Manual Integrations
APPROVED

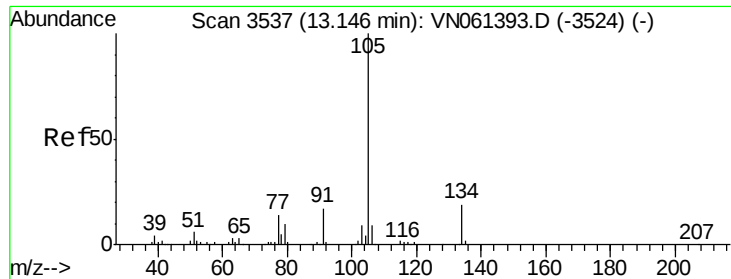
MMDadoda
5/15/2020 2:10:39 PM



#80
1,2,4-Trimethylbenzene
Concen: 54.829 ug/l
RT: 13.01 min Scan# 3496
Delta R.T. -0.00 min
Lab File: VN061394.D
Acq: 14 May 2020 15:00

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	294777		
120	44.8	0.0	89.2	





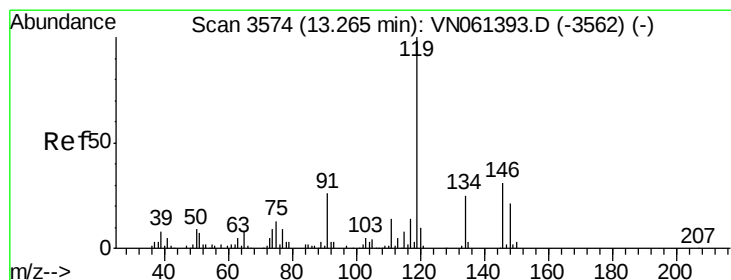
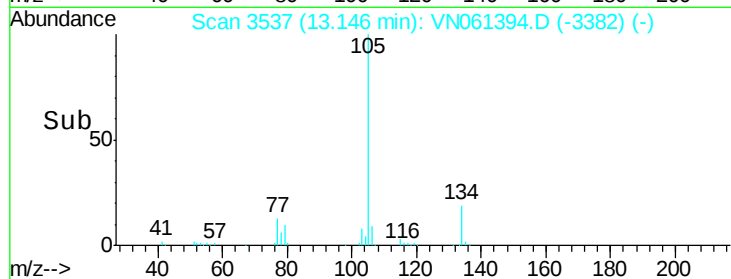
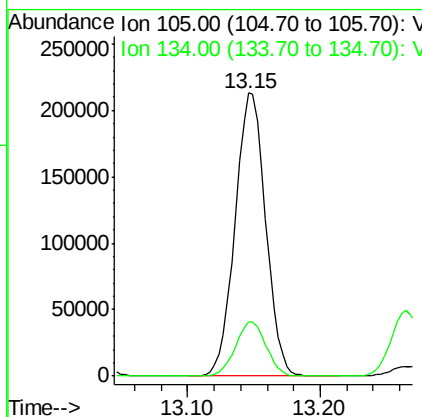
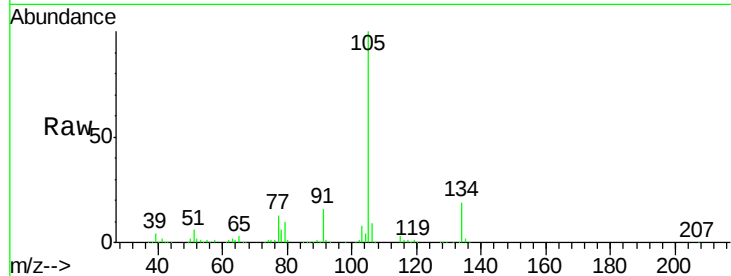
#81
 sec-Butylbenzene
 Concen: 54.752 ug/l
 RT: 13.15 min Scan# 3537
 Delta R.T. -0.00 min
 Lab File: VN061394.D
 Acq: 14 May 2020 15:00

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDIC050

Tot Ion	Ratio	Resp	Lower	Upper
105	100	341051		
134	19.1	0.0	38.0	

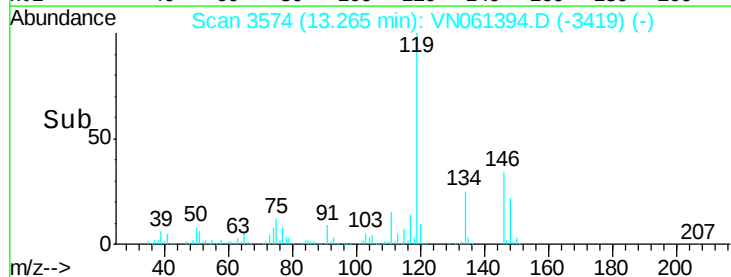
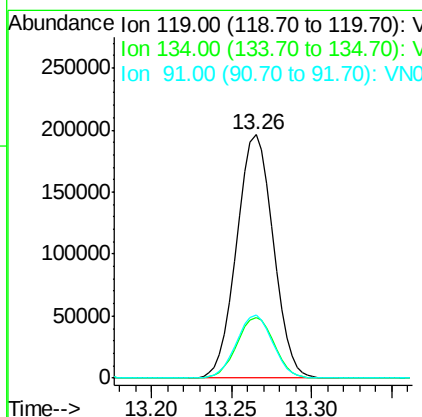
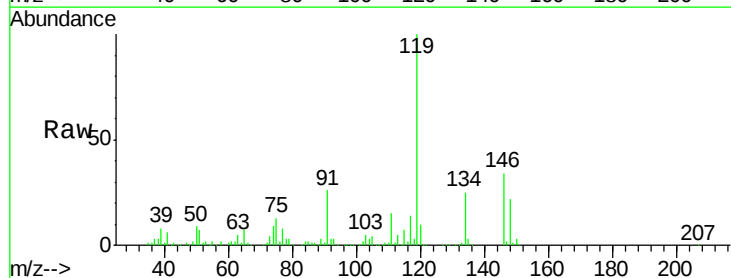
Manual Integrations
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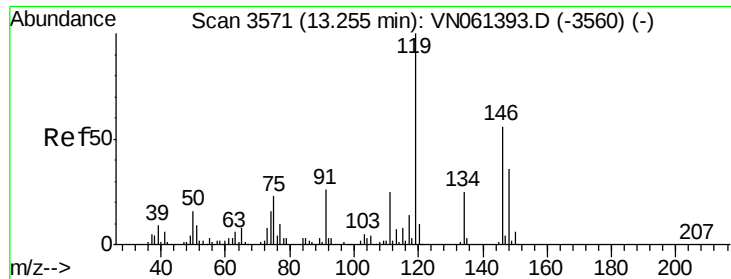
MMDadoda
 5/15/2020 2:10:39 PM



#82
 p-Isopropyltoluene
 Concen: 54.413 ug/l
 RT: 13.26 min Scan# 3574
 Delta R.T. -0.00 min
 Lab File: VN061394.D
 Acq: 14 May 2020 15:00

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	304524		
134	25.5	0.0	50.8	
91	25.9	0.0	49.4	





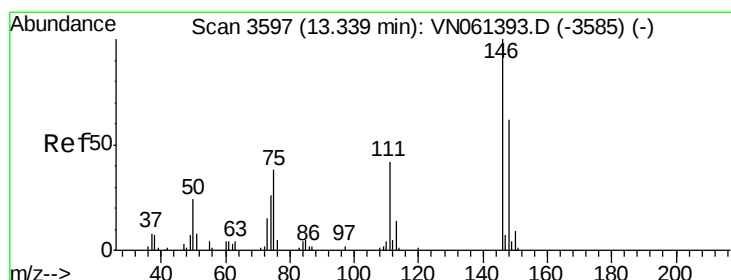
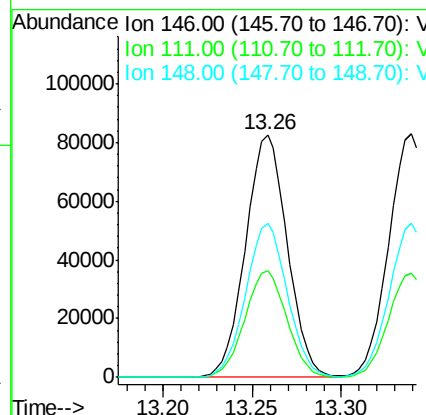
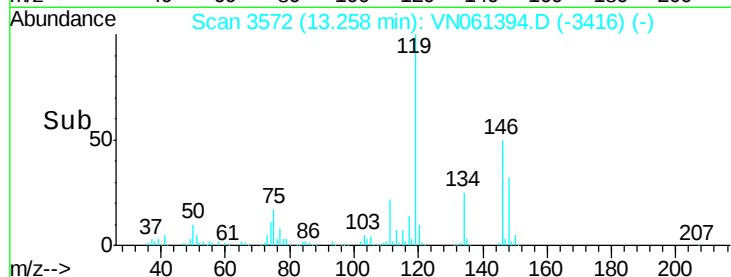
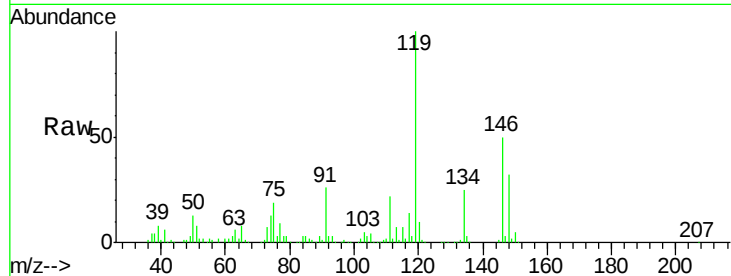
#83
 1,3-Dichlorobenzene
 Concen: 49.886 ug/l
 RT: 13.26 min Scan# 3572
 Delta R.T. 0.00 min
 Lab File: VN061394.D
 Acq: 14 May 2020 15:00

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.1	21.0	63.0
148	63.3	31.7	95.1

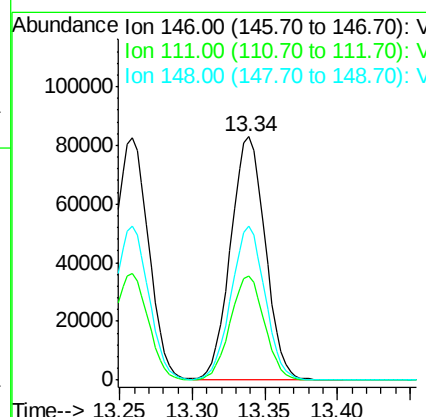
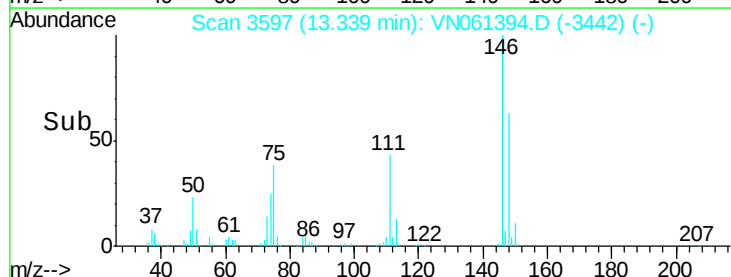
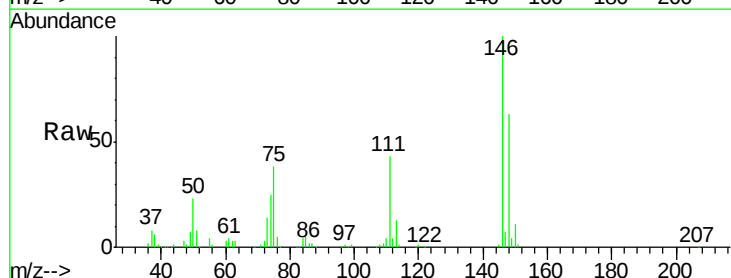
Manual Integrations
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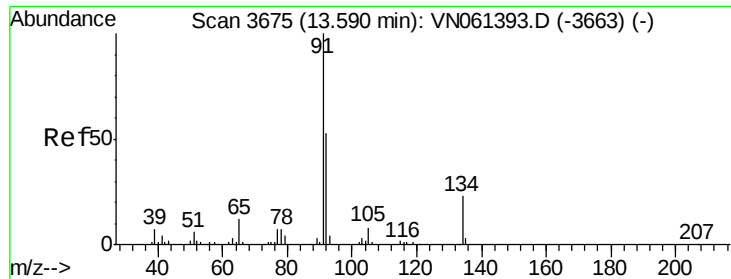
MMDadoda
 5/15/2020 2:10:39 PM



#84
 1,4-Dichlorobenzene
 Concen: 50.408 ug/l
 RT: 13.34 min Scan# 3597
 Delta R.T. -0.00 min
 Lab File: VN061394.D
 Acq: 14 May 2020 15:00

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.1	19.8	59.4
148	61.9	31.6	94.8





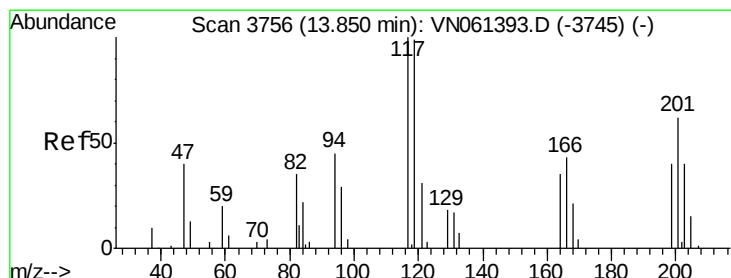
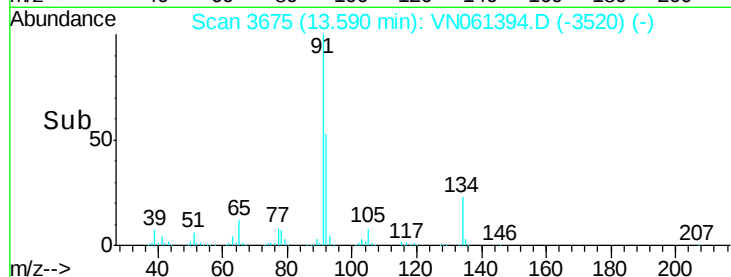
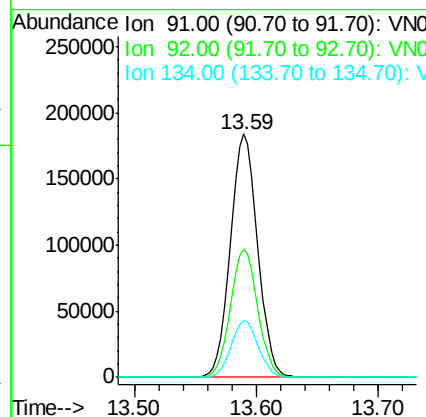
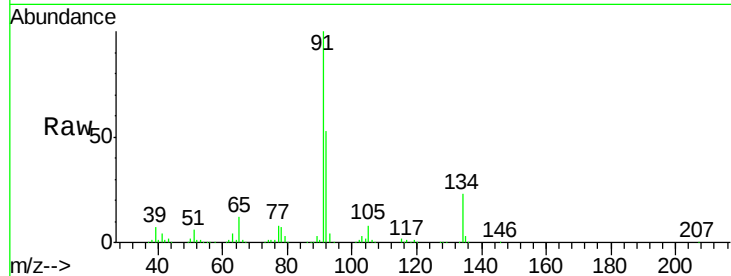
#85
n-Butylbenzene
Concen: 55.705 ug/l
RT: 13.59 min Scan# 3675
Delta R.T. -0.00 min
Lab File: VN061394.D
Acq: 14 May 2020 15:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Resp	Lower	Upper
91	100	287615		
92	53.0		0.0	102.8
134	23.3		0.0	48.6

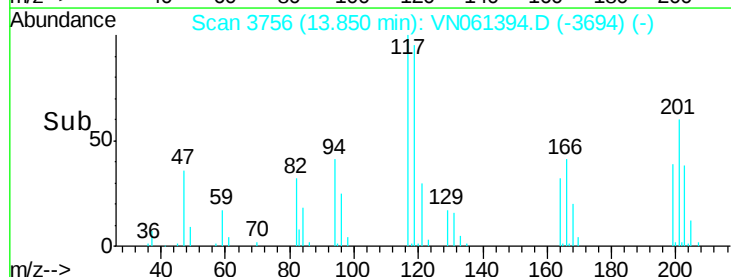
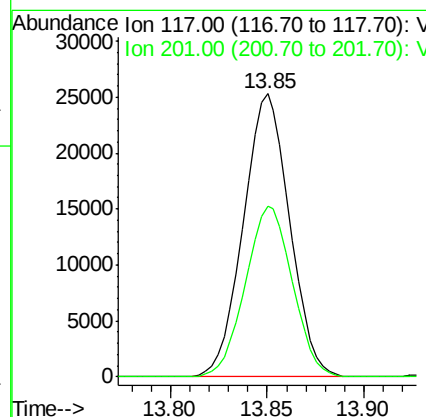
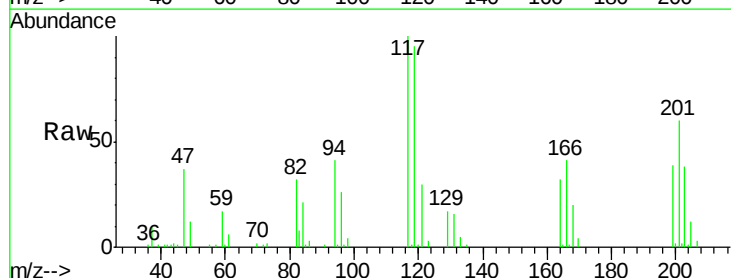
Manual Integrations
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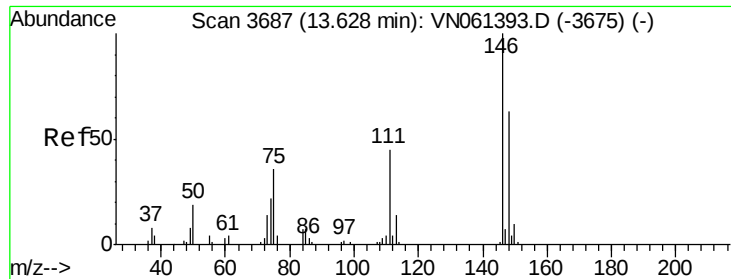
MMDadoda
5/15/2020 2:10:39 PM



#86
Hexachloroethane
Concen: 43.576 ug/l
RT: 13.85 min Scan# 3756
Delta R.T. -0.00 min
Lab File: VN061394.D
Acq: 14 May 2020 15:00

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	42177		
201	61.0		38.7	116.1





#87

1,2-Dichlorobenzene

Concen: 48.454 ug/l

RT: 13.63 min Scan# 3687

Delta R.T. -0.00 min

Lab File: VN061394.D

Acq: 14 May 2020 15:00

Instrument :

MSVOA_N

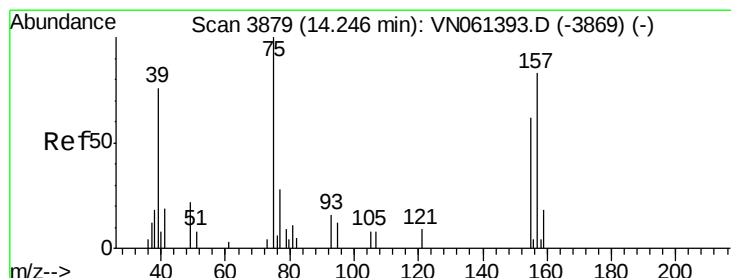
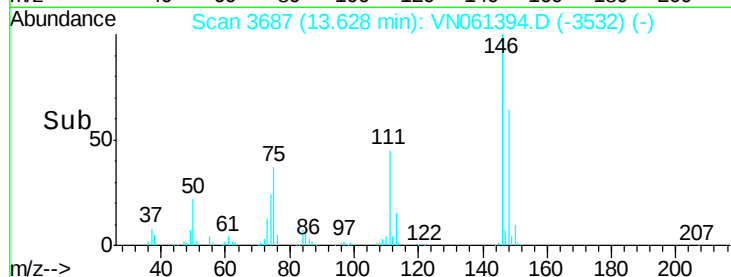
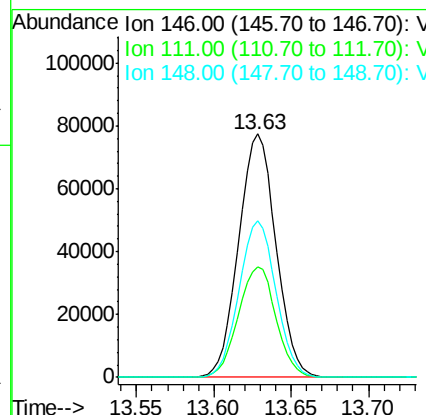
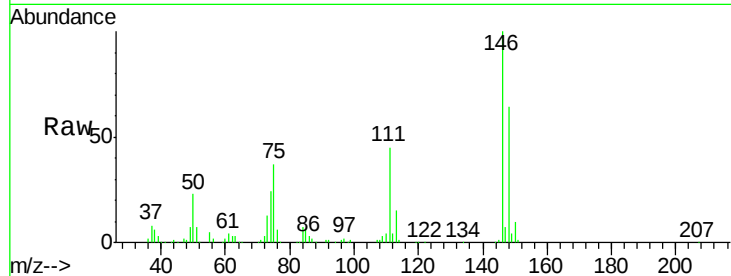
ClientSampled :

VSTDIC050

Tot Ion:	146	Resp:	129918
Ion Ratio	Lower	Upper	
146	100		
111	45.8	21.8	65.4
148	63.8	32.1	96.5

Manual Integrations
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5/15/2020 2:10:39 PM



#88

1,2-Dibromo-3-Chloropropane

Concen: 45.145 ug/l

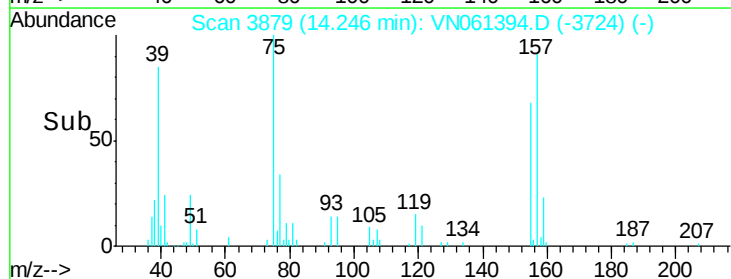
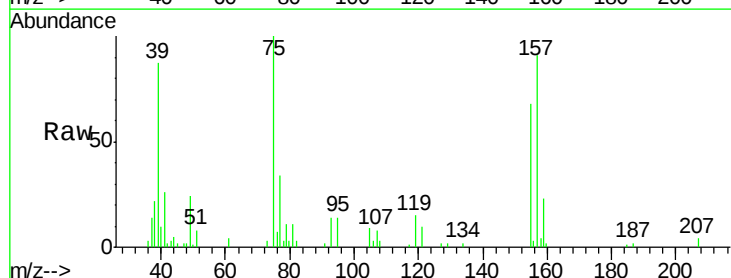
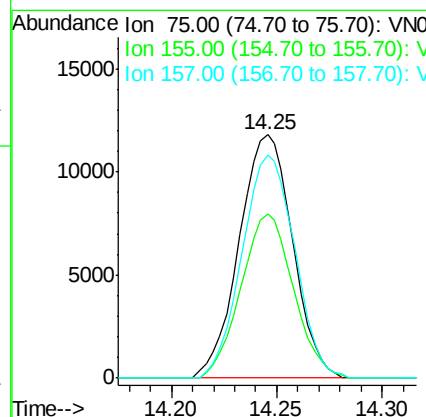
RT: 14.25 min Scan# 3879

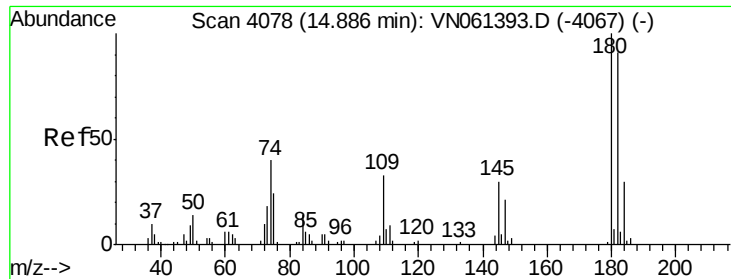
Delta R.T. -0.00 min

Lab File: VN061394.D

Acq: 14 May 2020 15:00

Tgt Ion:	75	Resp:	20771
Ion Ratio	Lower	Upper	
75	100		
155	66.1	58.3	87.5
157	90.3	75.0	112.6





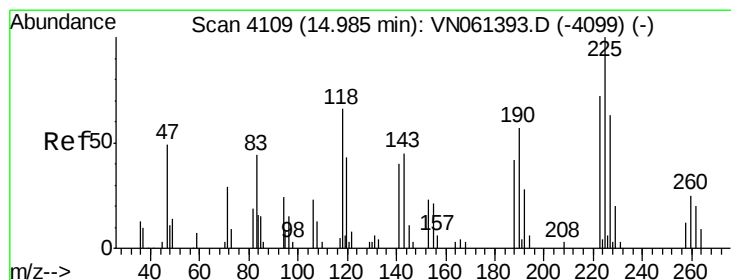
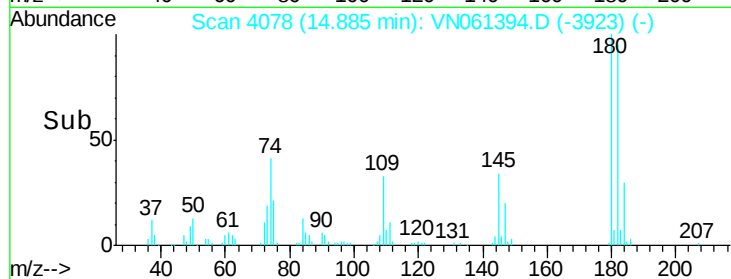
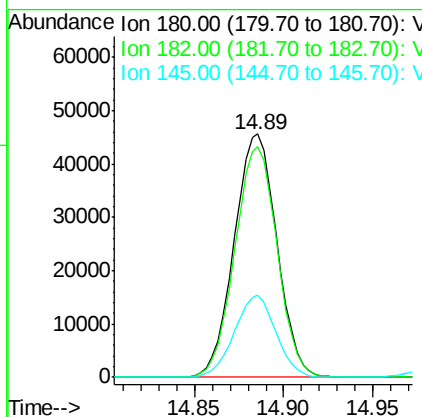
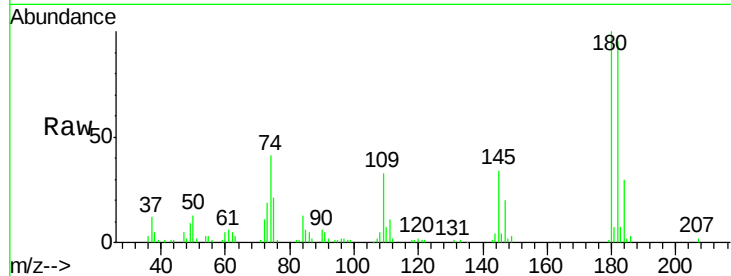
#89
 1,2,4-Trichlorobenzene
 Concen: 45.378 ug/l
 RT: 14.89 min Scan# 4078
 Delta R.T. -0.00 min
 Lab File: VN061394.D
 Acq: 14 May 2020 15:00

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.2	75.3	112.9
145	32.8	24.8	37.2

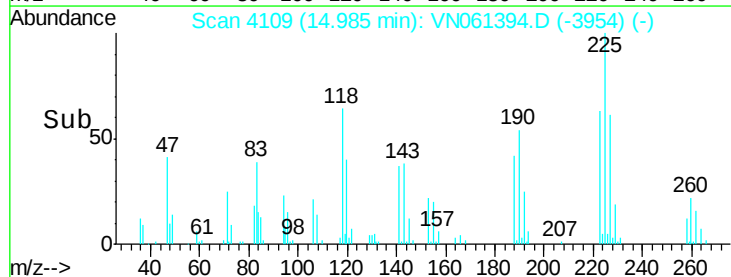
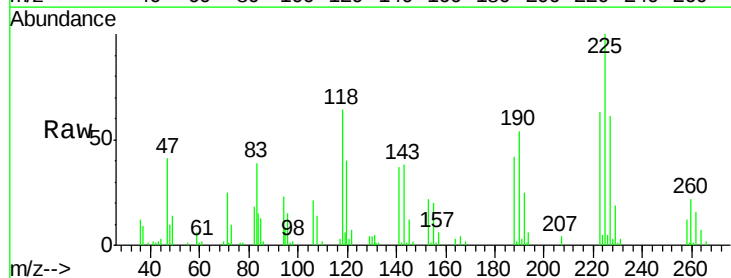
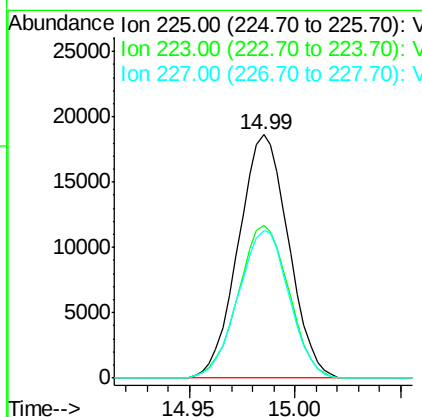
Manual Integrations
 APPROVED

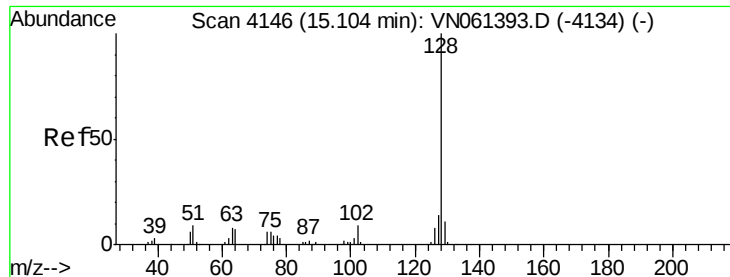
MMDadoda
 5/15/2020 2:10:39 PM



#90
 Hexachlorobutadiene
 Concen: 37.093 ug/l
 RT: 14.99 min Scan# 4109
 Delta R.T. -0.00 min
 Lab File: VN061394.D
 Acq: 14 May 2020 15:00

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.6	0.0	126.2
227	61.5	0.0	127.0





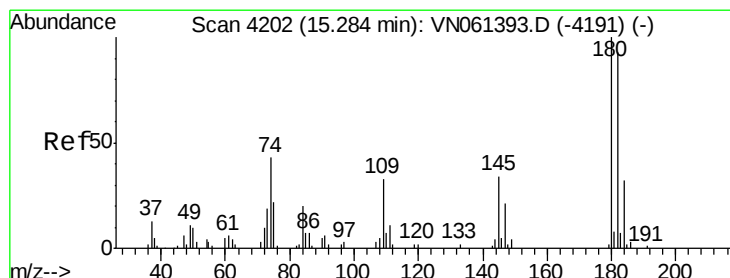
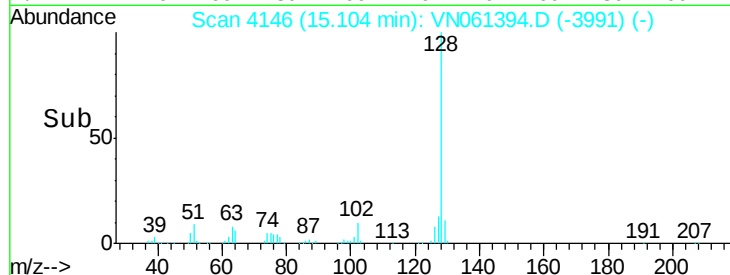
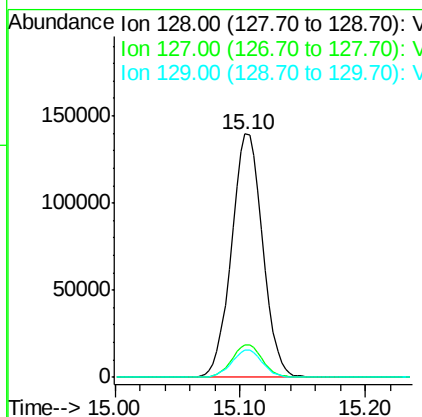
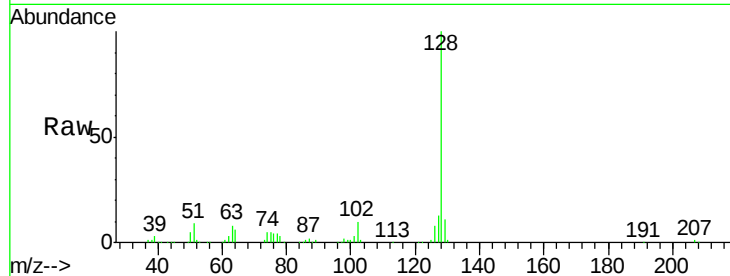
#91
Naphthalene
Concen: 48.412 ug/l
RT: 15.10 min Scan# 4146
Delta R.T. -0.00 min
Lab File: VN061394.D
Acq: 14 May 2020 15:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Resp	Lower	Upper
128	100	240315		
127	13.2		10.2	15.2
129	11.0		8.6	13.0

Manual Integrations
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#92
1,2,3-Trichlorobenzene
Concen: 45.360 ug/l
RT: 15.29 min Scan# 4203
Delta R.T. 0.00 min
Lab File: VN061394.D
Acq: 14 May 2020 15:00

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	73578		
182	94.8		0.0	193.4
145	34.2		0.0	65.8

