

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN051420\
 Data File : VN061392.D
 Acq On : 14 May 2020 14:14
 Operator : JC/MD
 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 5/15/2020 2:10:35 PM

Quant Time: May 14 15:38:41 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	7.14	128	18631	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.54	114	109909	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.38	117	100223	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	7.98	65	51479	32.17	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	107.23%
60) 4-Bromofluorobenzene	12.37	95	48527	27.96	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	93.20%
63) Toluene-d8	10.06	98	141788	30.15	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.50%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.83	85	4323	4.511	ug/l 94
3) Chloromethane	2.03	50	8699	6.267	ug/l 97
4) Vinyl Chloride	2.16	62	11646	7.615	ug/l 99
5) Bromomethane	2.54	94	6120	6.868	ug/l 94
6) Chloroethane	2.67	64	8318	8.428	ug/l 92
7) Trichlorofluoromethane	2.98	101	12706	7.008	ug/l 90
8) Diethyl Ether	3.37	74	3835	5.840	ug/l 94
9) 1,1,2-Trichlorotrifluoroet	3.71	101	4957	5.057	ug/l 69
10) 1,1-Dichloroethene	3.69	96	5385	5.551	ug/l 94
11) Methyl Iodide	3.91	142	5423	4.198	ug/l 98
12) Methyl Acetate	4.27	43	6405	4.305	ug/l 93
13) Acrolein	3.57	56	6647m	37.359	ug/l
14) Acrylonitrile	4.92	53	14518	23.859	ug/l 99
15) Acetone	3.77	58	3942	22.575	ug/l 87
16) Carbon Disulfide	4.00	76	16343	5.690	ug/l 99
17) Allyl chloride	4.27	41	10597	5.436	ug/l 97
18) Methylene Chloride	4.49	84	6657	5.705	ug/l 92
19) trans-1,2-Dichloroethene	4.98	96	6393	5.981	ug/l 81
20) Diisopropyl ether	5.90	45	24538	6.004	ug/l 90
21) 1,1-Dichloroethane	5.80	63	12552	5.625	ug/l # 93
22) cis-1,2-Dichloroethene	6.78	96	7143m	5.580	ug/l
23) tert-Butyl Alcohol	4.73	59	5111	21.353	ug/l # 100
24) Methyl tert-Butyl Ether	4.99	73	21168	5.730	ug/l 99
25) Chloroform	7.32	83	12194	5.529	ug/l 95
26) Cyclohexane	7.61	56	12632	6.307	ug/l # 97
29) 1,1-Dichloropropene	7.75	75	10040	5.700	ug/l 96
30) 2-Butanone	6.78	43	21577	22.709	ug/l # 94
31) 2,2-Dichloropropane	6.78	77	12209	5.868	ug/l 96
32) 1,1,1-Trichloroethane	7.53	97	11115	5.534	ug/l 95
33) Carbon Tetrachloride	7.73	117	7991	4.722	ug/l 93
34) Benzene	8.00	78	27697	5.386	ug/l # 60
35) Methacrylonitrile	7.11	41	3979	4.466	ug/l 82
36) 1,2-Dichloroethane	8.08	62	10848	5.519	ug/l 98
37) Trichloroethene	8.80	130	6662	5.299	ug/l 96
38) Methylcyclohexane	9.04	83	12341	5.983	ug/l 98
39) 1,2-Dichloropropane	9.08	63	7882	5.604	ug/l 95
40) Dibromomethane	9.17	93	4830	5.503	ug/l 89

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 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDIC005

Manual Integrations
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 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)
41) Bromodichloromethane	9.37	83	10103	5.533	ug/l	98
42) Vinyl Acetate	5.84	43	99168	28.581	ug/l	100
43) Ethyl Acetate	6.87	43	7451m	3.921	ug/l	
44) Isopropyl Acetate	8.12	43	17691	5.584	ug/l	98
45) 1,4-Dioxane	9.16	88	1451	66.672	ug/l	91
46) Methyl methacrylate	9.17	41	8659	5.910	ug/l	92
47) n-amyl Acetate	12.04	43	14529	5.166	ug/l	91
48) t-1,3-Dichloropropene	10.35	75	11561	5.421	ug/l	95
49) cis-1,3-Dichloropropene	9.81	75	13053	5.849	ug/l	92
50) 1,1,2-Trichloroethane	10.53	97	6587	5.285	ug/l	93
51) Ethyl methacrylate	10.40	69	10896	5.335	ug/l	93
52) 1,3-Dichloropropane	10.68	76	11504	5.113	ug/l	98
53) Dibromochloromethane	10.87	129	6698	4.969	ug/l	97
54) 1,2-Dibromoethane	10.98	107	6685	5.159	ug/l	93
55) 2-Chloroethyl vinyl ether	9.66	63	23991	24.609	ug/l	99
56) Bromoform	12.10	173	3928	4.268	ug/l #	96
58) 4-Methyl-2-Pentanone	9.95	43	47985	26.647	ug/l	98
59) 2-Hexanone	10.72	43	32797	23.509	ug/l	100
61) Tetrachloroethene	10.60	164	6070	5.527	ug/l	94
62) Toluene	10.12	91	29278	5.426	ug/l	99
64) Chlorobenzene	11.40	112	17140	5.234	ug/l	94
65) 1,1,1,2-Tetrachloroethane	11.48	131	6137	5.014	ug/l	99
66) Ethyl Benzene	11.48	91	33744	5.616	ug/l	99
67) m/p-Xylenes	11.59	106	23993	10.709	ug/l	98
68) o-Xylene	11.92	106	11227	5.164	ug/l	96
69) Styrene	11.94	104	18472	5.116	ug/l	97
70) Isopropylbenzene	12.22	105	31255	5.353	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.48	83	9078	4.763	ug/l	99
72) 1,2,3-Trichloropropane	12.53	75	8102m	4.632	ug/l	
73) Bromobenzene	12.50	156	6250	4.540	ug/l	92
74) n-propylbenzene	12.56	91	37112	5.428	ug/l	98
75) 2-Chlorotoluene	12.65	91	20880	5.089	ug/l	98
76) 1,3,5-Trimethylbenzene	12.71	105	25647	5.144	ug/l	98
77) t-1,4-Dichloro-2-butene	12.28	75	3175	4.695	ug/l	94
78) 4-Chlorotoluene	12.75	91	21178	4.997	ug/l	96
79) tert-butylbenzene	12.97	119	21424	5.050	ug/l	96
80) 1,2,4-Trimethylbenzene	13.01	105	25701	5.198	ug/l	97
81) sec-Butylbenzene	13.15	105	28497	4.974	ug/l	100
82) p-Isopropyltoluene	13.26	119	25579	4.969	ug/l	97
83) 1,3-Dichlorobenzene	13.26	146	11267	4.509	ug/l	98
84) 1,4-Dichlorobenzene	13.34	146	10756	4.307	ug/l	96
85) n-Butylbenzene	13.59	91	23222	4.890	ug/l	98
86) Hexachloroethane	13.85	117	3682	4.136	ug/l	80
87) 1,2-Dichlorobenzene	13.63	146	10421	4.226	ug/l	97
88) 1,2-Dibromo-3-Chloropropan	14.24	75	1825	4.313	ug/l	85
89) 1,2,4-Trichlorobenzene	14.89	180	5292	3.443	ug/l	99
90) Hexachlorobutadiene	14.99	225	2566	3.368	ug/l	95
91) Naphthalene	15.11	128	16847	3.690	ug/l	100
92) 1,2,3-Trichlorobenzene	15.28	180	5466m	3.664	ug/l	

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Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

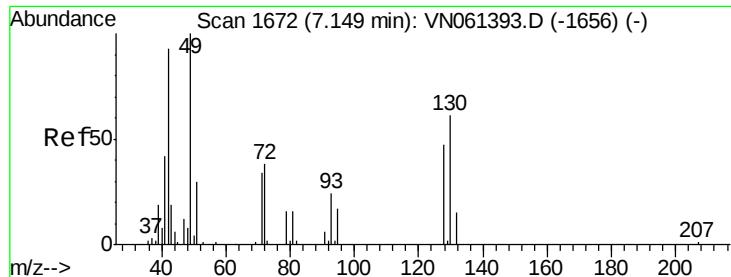
Manual Integrations
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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu May 14 15:22:52 2020
Response via : Initial Calibration

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



#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.14 min Scan# 1670

Delta R.T. -0.01 min

Lab File: VN061392.D

Acq: 14 May 2020 14:14

Instrument :

MSVOA_N

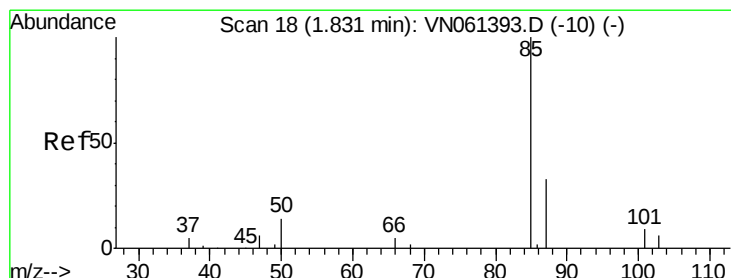
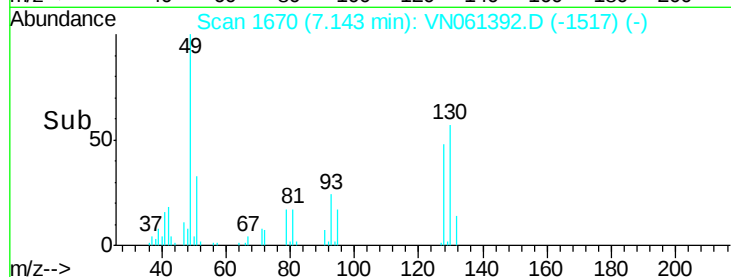
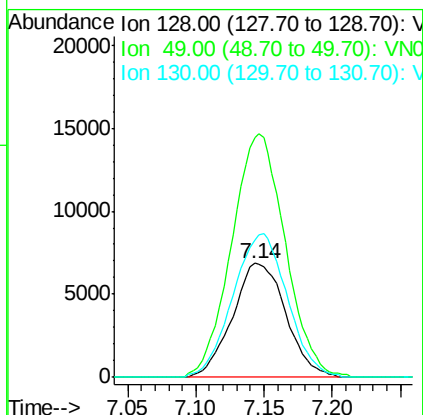
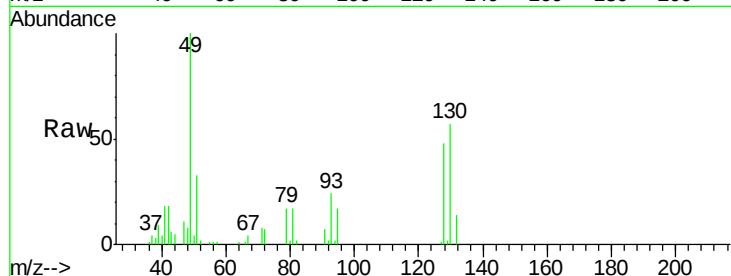
ClientSampleId :

VSTDIC005

Tot Ion:	128	Resp:	18631
Ion	Ratio	Lower	Upper
128	100		
49	214.4	0.0	453.5
130	128.8	0.0	314.2

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#2

Dichlorodifluoromethane

Concen: 4.511 ug/l

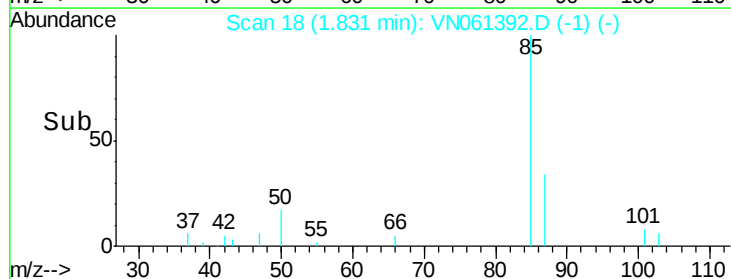
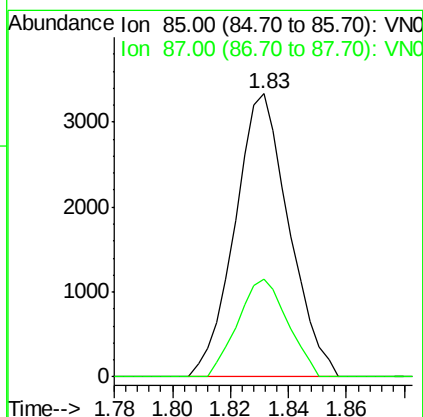
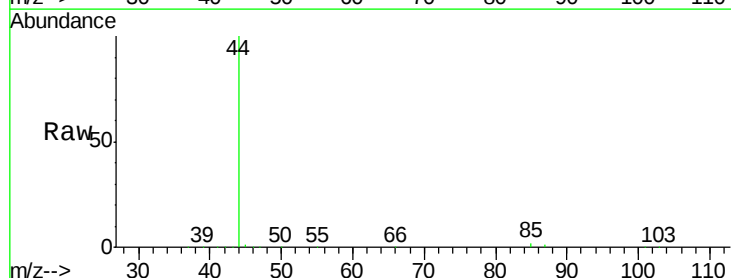
RT: 1.83 min Scan# 18

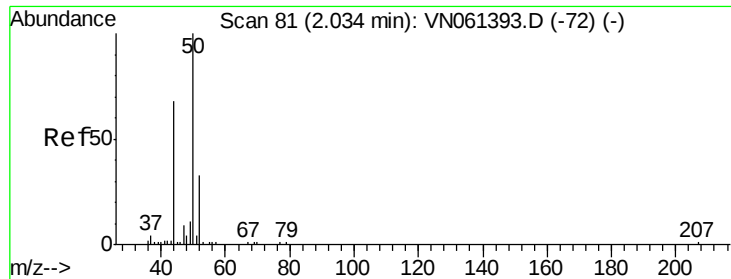
Delta R.T. -0.00 min

Lab File: VN061392.D

Acq: 14 May 2020 14:14

Tgt Ion:	85	Resp:	4323
Ion	Ratio	Lower	Upper
85	100		
87	34.5	15.7	47.0





#3

Chloromethane

Concen: 6.267 ug/l

RT: 2.03 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN061392.D

Acq: 14 May 2020 14:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 50 Resp: 8699

Ion Ratio Lower Upper

50 100

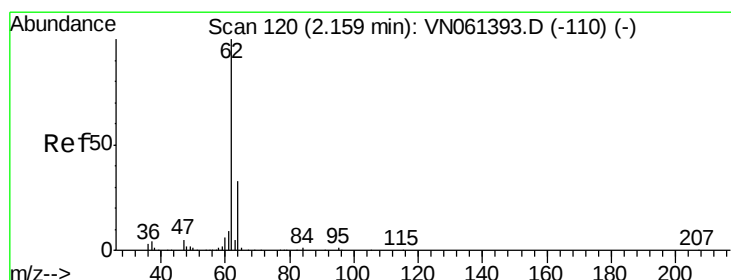
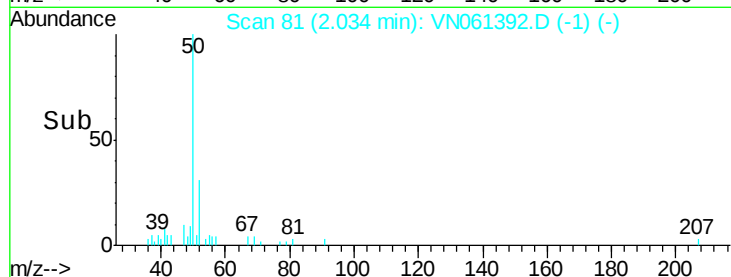
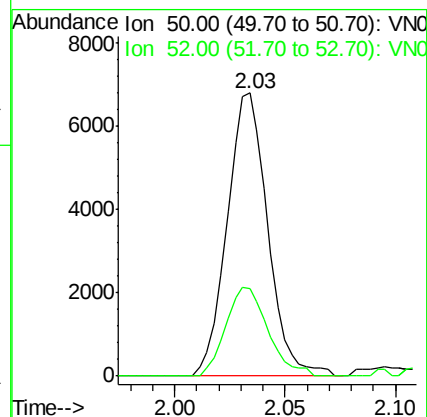
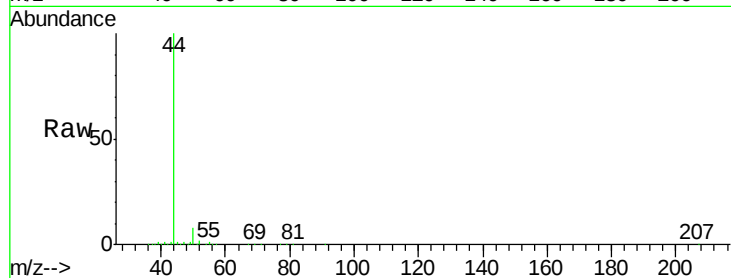
52 30.9 25.8 38.8

Manual Integrations

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#4

Vinyl Chloride

Concen: 7.615 ug/l

RT: 2.16 min Scan# 120

Delta R.T. -0.00 min

Lab File: VN061392.D

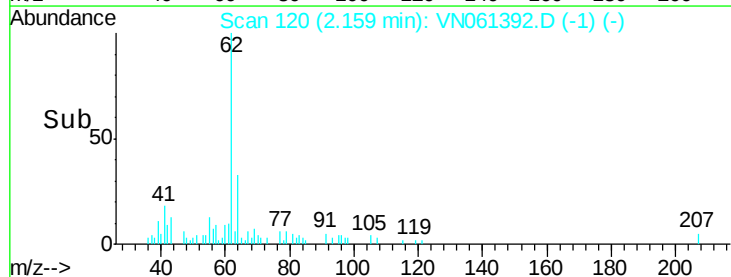
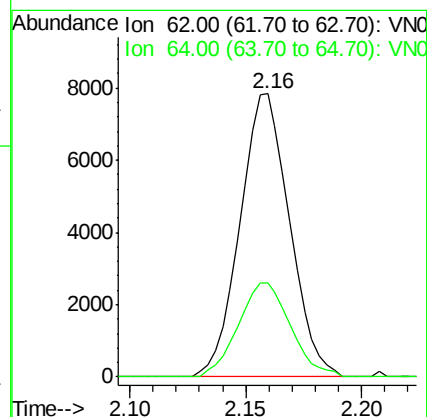
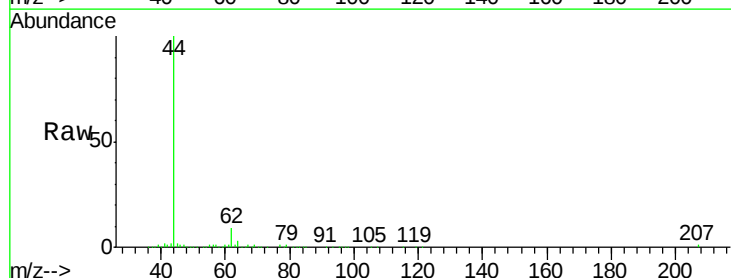
Acq: 14 May 2020 14:14

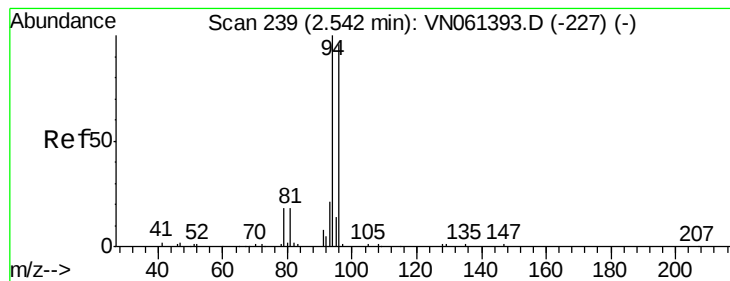
Tgt Ion: 62 Resp: 11646

Ion Ratio Lower Upper

62 100

64 33.1 26.1 39.1





#5

Bromomethane

Concen: 6.868 ug/l

RT: 2.54 min Scan# 238

Delta R.T. -0.00 min

Lab File: VN061392.D

Acq: 14 May 2020 14:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 94 Resp: 6120

Ion Ratio Lower Upper

94 100

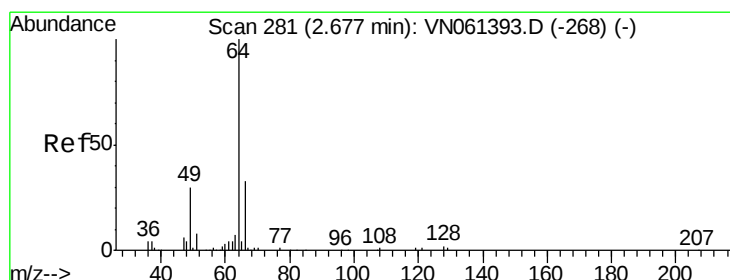
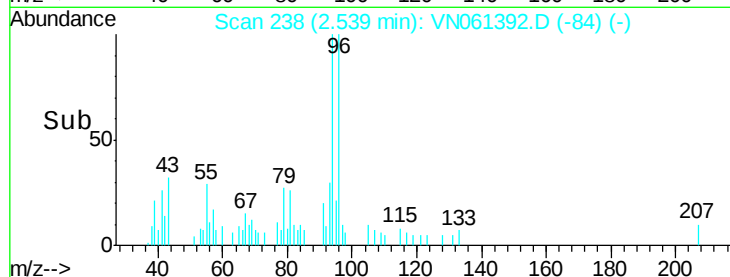
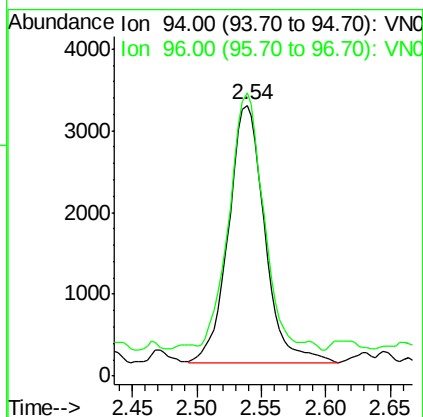
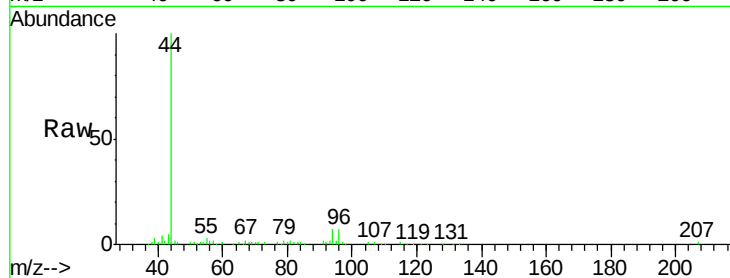
96 97.8 73.7 110.5

Manual Integrations

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#6

Chloroethane

Concen: 8.428 ug/l

RT: 2.67 min Scan# 280

Delta R.T. -0.00 min

Lab File: VN061392.D

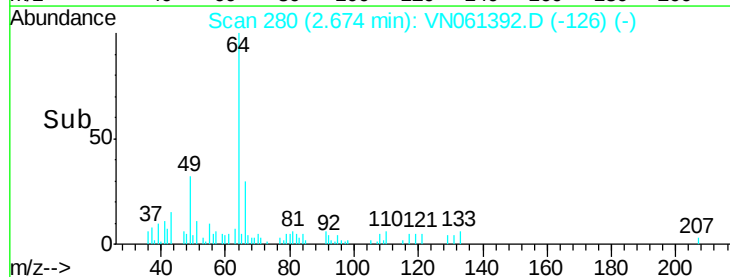
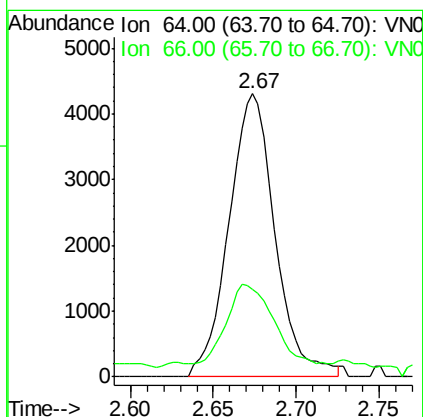
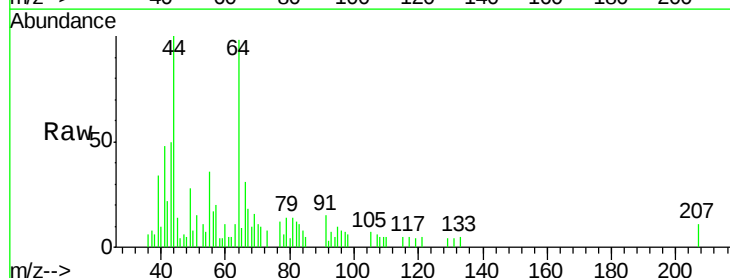
Acq: 14 May 2020 14:14

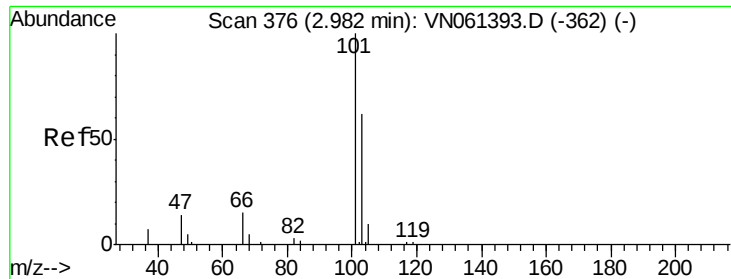
Tgt Ion: 64 Resp: 8318

Ion Ratio Lower Upper

64 100

66 26.3 24.6 36.8





#7

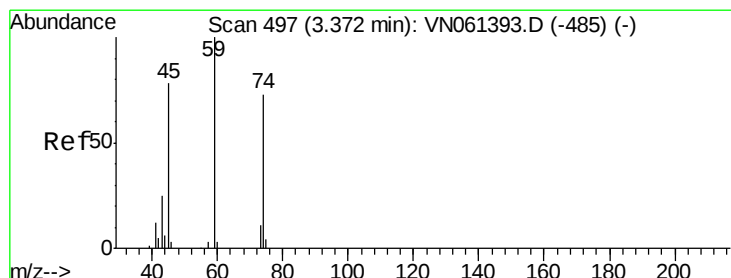
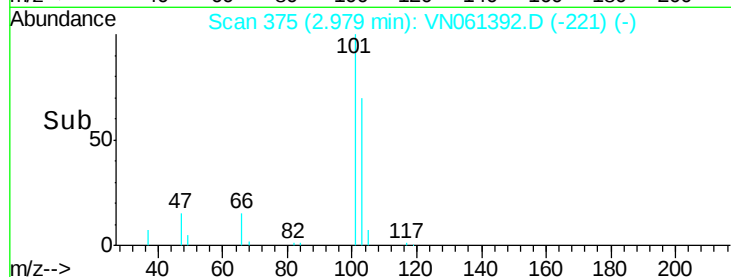
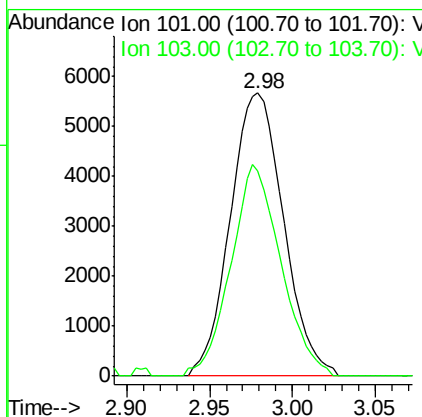
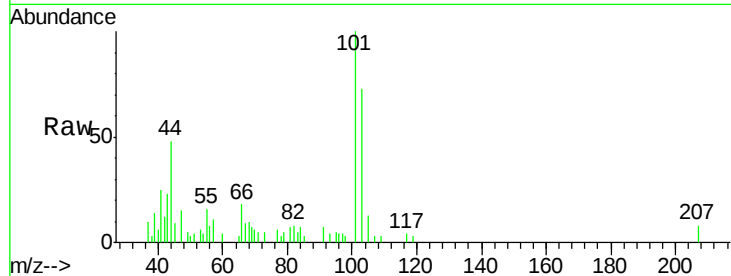
Trichlorofluoromethane
 Concen: 7.008 ug/l
 RT: 2.98 min Scan# 375
 Delta R.T. -0.00 min
 Lab File: VN061392.D
 Acq: 14 May 2020 14:14

Instrument :
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 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
101	100		
103	72.5	51.5	77.3

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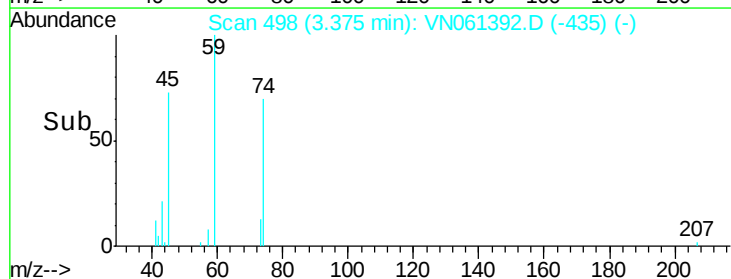
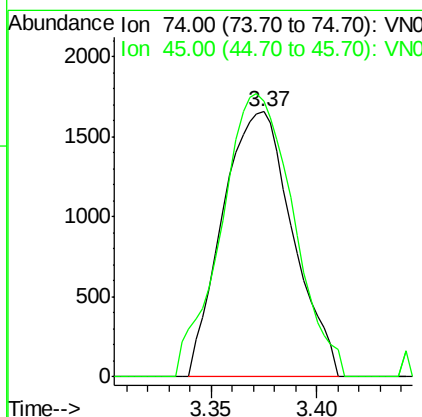
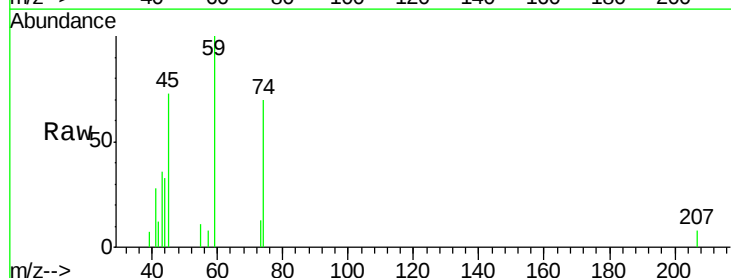
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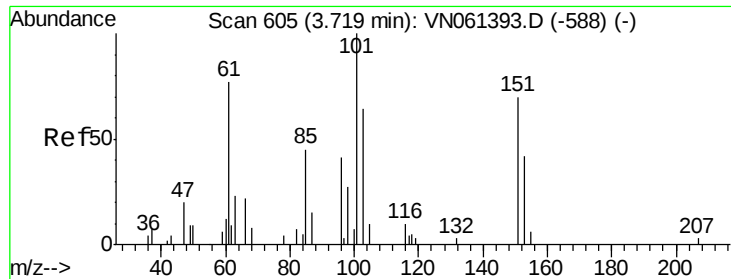


#8

Diethyl Ether
 Concen: 5.840 ug/l
 RT: 3.37 min Scan# 498
 Delta R.T. 0.00 min
 Lab File: VN061392.D
 Acq: 14 May 2020 14:14

Tgt Ion	Ratio	Lower	Upper
74	100		
45	109.4	20.6	185.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.057 ug/l

RT: 3.71 min Scan# 603

Delta R.T. -0.01 min

Lab File: VN061392.D

Acq: 14 May 2020 14:14

Instrument :

MSVOA_N

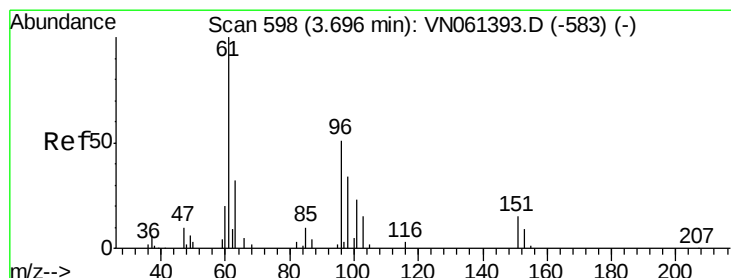
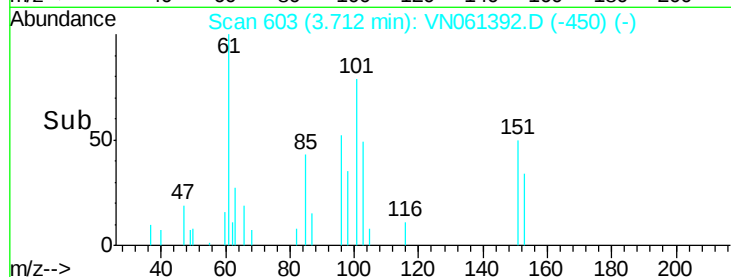
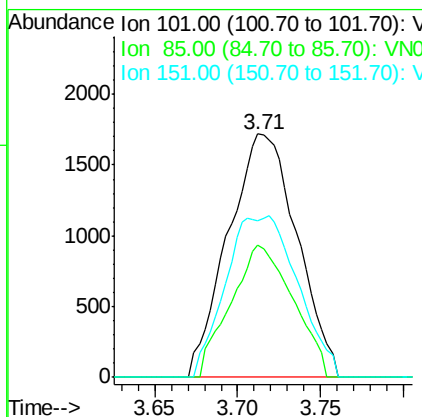
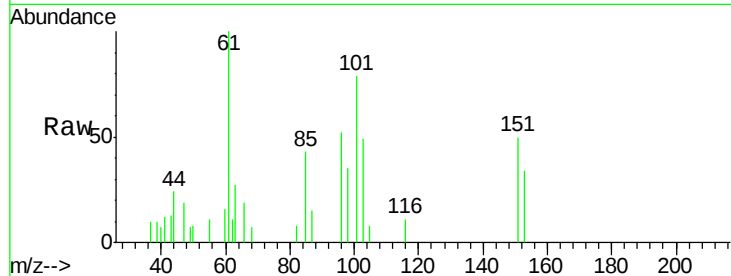
ClientSampled :

VSTDIC005

Tot Ion:	101	Resp:	4957
Ion Ratio	Lower	Upper	
101	100		
85	49.4	0.0	93.8
151	33.5	0.0	149.6

Manual Integrations
APPROVED

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#10

1,1-Dichloroethene

Concen: 5.551 ug/l

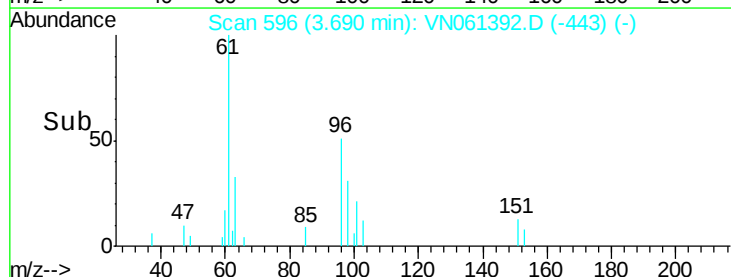
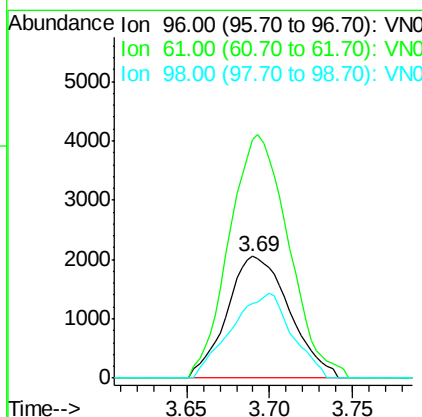
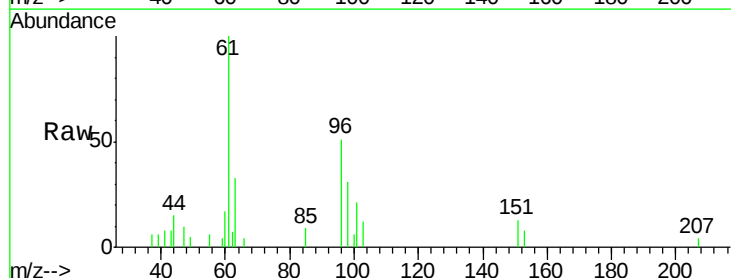
RT: 3.69 min Scan# 596

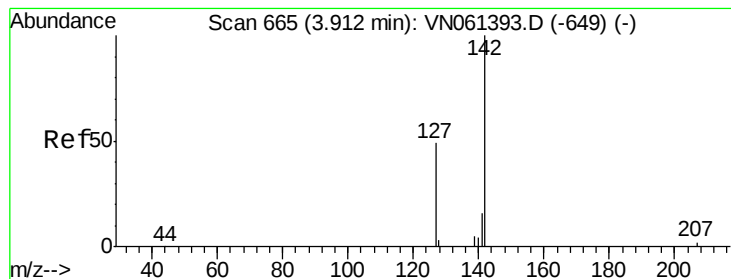
Delta R.T. -0.01 min

Lab File: VN061392.D

Acq: 14 May 2020 14:14

Tgt Ion:	96	Resp:	5385
Ion Ratio	Lower	Upper	
96	100		
61	195.2	148.5	222.7
98	61.5	51.0	76.6





#11

Methvl Iodide

Concen: 4.198 ug/l

RT: 3.91 min Scan# 664

Delta R.T. -0.00 min

Lab File: VN061392.D

Acq: 14 May 2020 14:14

Instrument :

MSVOA_N

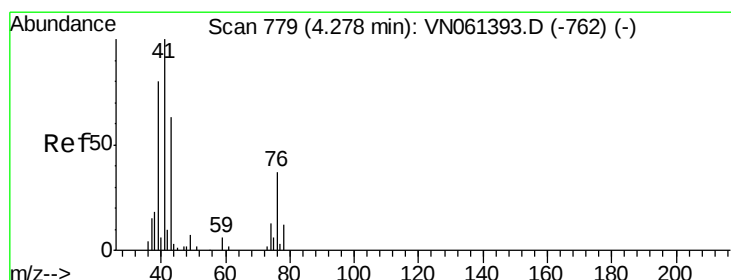
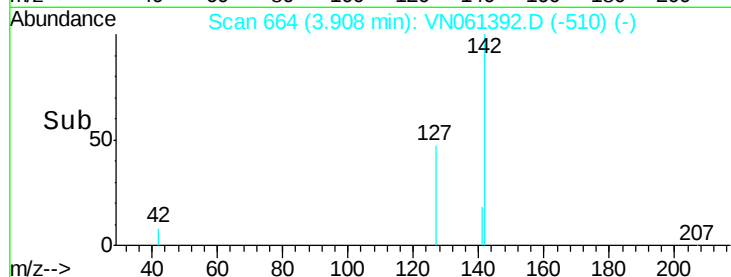
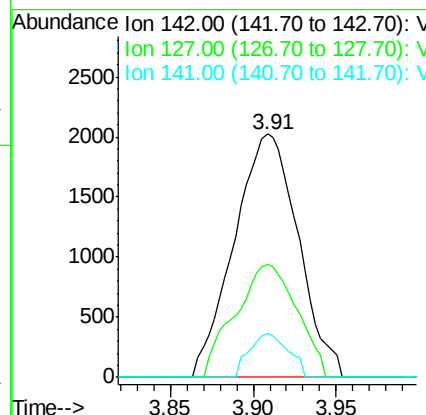
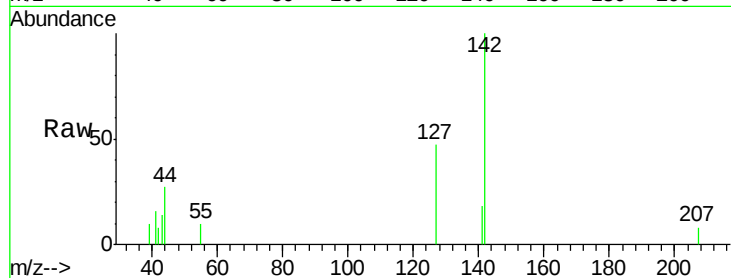
ClientSampleId :

VSTDIC005

Tot Ion:	142	Resp:	5423
Ion	Ratio	Lower	Upper
142	100		
127	46.6	23.5	70.6
141	18.0	7.4	22.2

Manual Integrations
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#12

Methyl Acetate

Concen: 4.305 ug/l

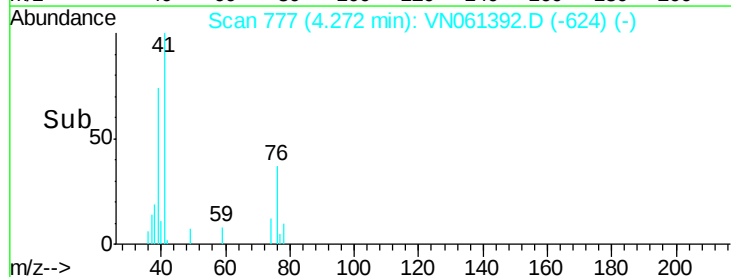
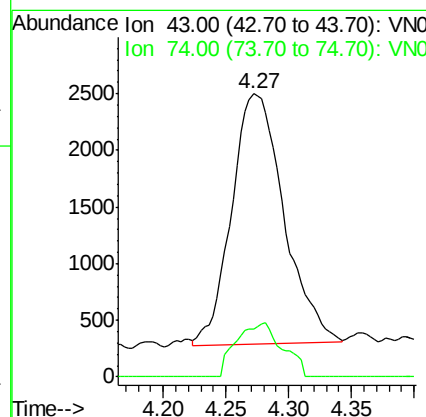
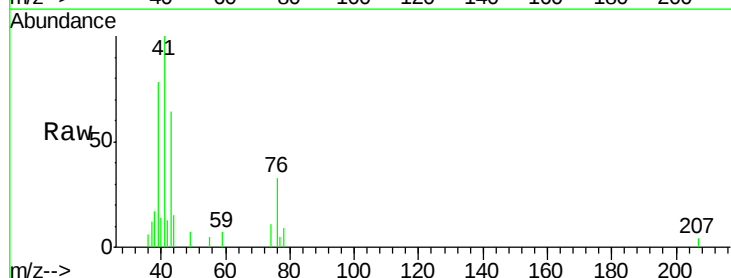
RT: 4.27 min Scan# 777

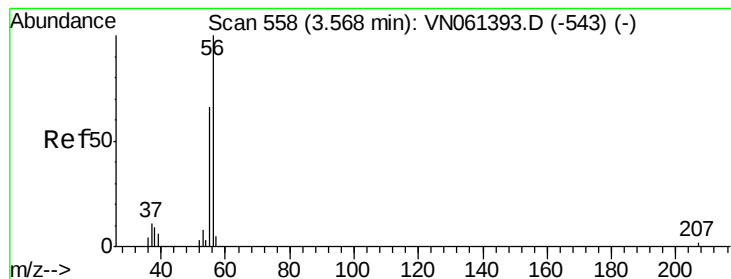
Delta R.T. -0.01 min

Lab File: VN061392.D

Acq: 14 May 2020 14:14

Tgt Ion:	43	Resp:	6405
Ion	Ratio	Lower	Upper
43	100		
74	19.5	18.1	27.1





#13

Acrolein

Concen: 37.359 ug/l m

RT: 3.57 min Scan# 558

Delta R.T. -0.00 min

Lab File: VN061392.D

Acq: 14 May 2020 14:14

Instrument :

MSVOA_N

ClientSampled :

VSTDIC005

Tot Ion: 56 Resp: 6647

Ion Ratio Lower Upper

56 100

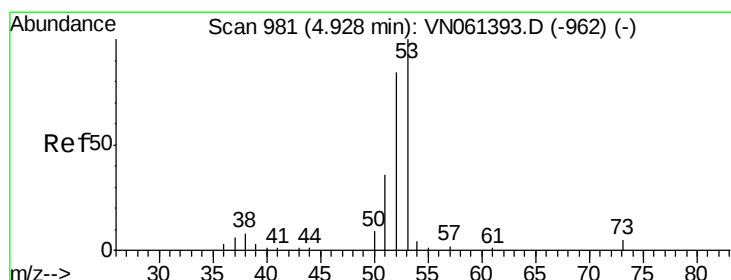
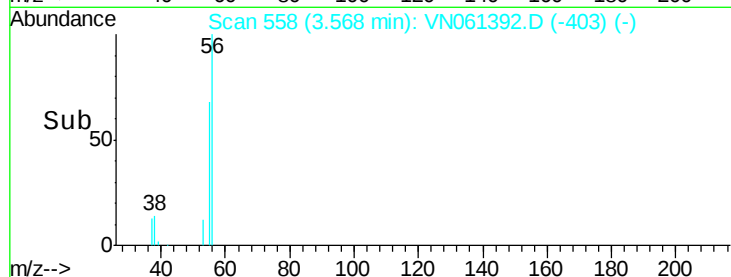
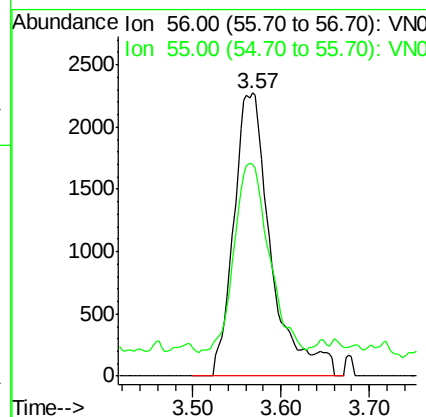
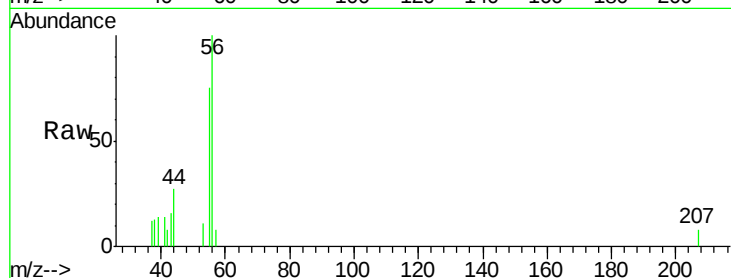
55 0.8 55.9 83.9#

Manual Integrations

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#14

Acrylonitrile

Concen: 23.859 ug/l

RT: 4.92 min Scan# 980

Delta R.T. -0.00 min

Lab File: VN061392.D

Acq: 14 May 2020 14:14

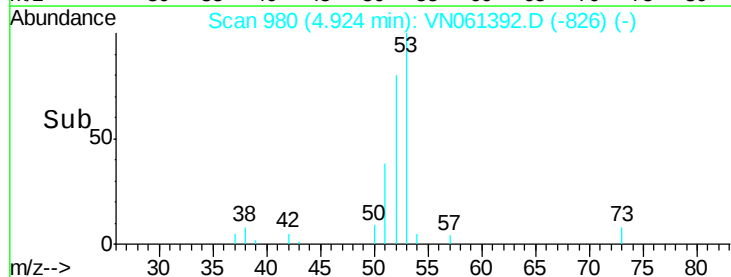
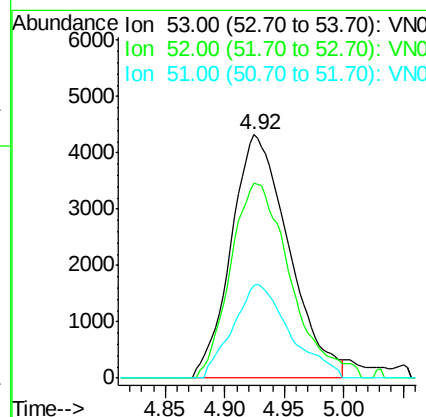
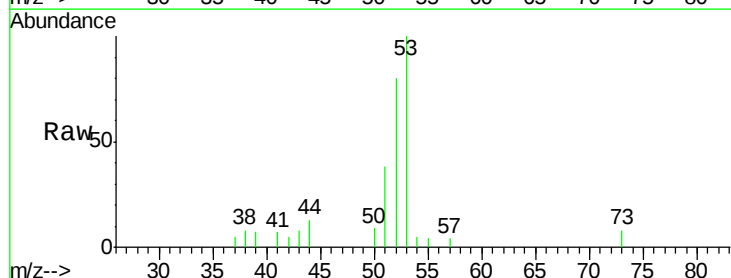
Tgt Ion: 53 Resp: 14518

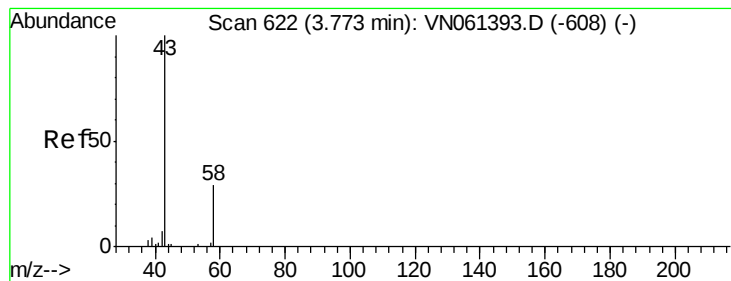
Ion Ratio Lower Upper

53 100

52 82.9 42.2 126.6

51 37.9 18.8 56.4





#15

Acetone

Concen: 22.575 ug/l

RT: 3.77 min Scan# 622

Delta R.T. -0.00 min

Lab File: VN061392.D

Acq: 14 May 2020 14:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 58 Resp: 3942

Ion Ratio Lower Upper

58 100

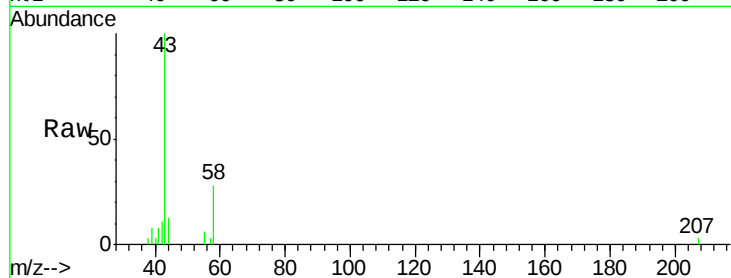
43 323.1 281.7 422.5

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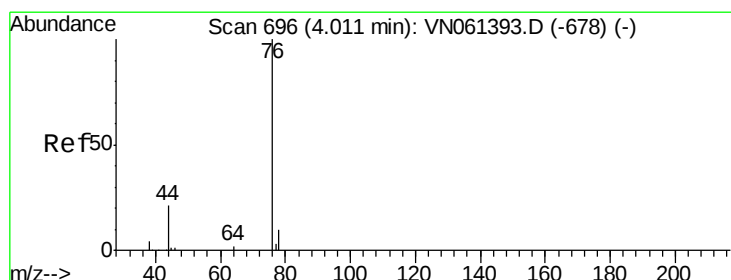
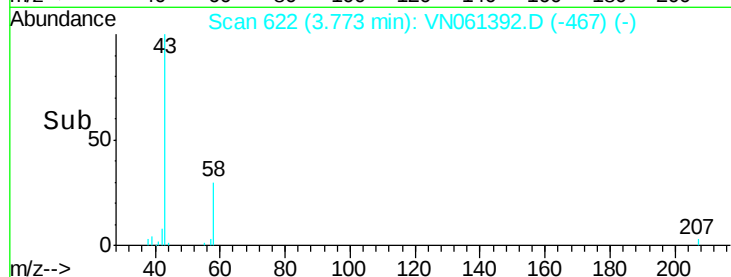
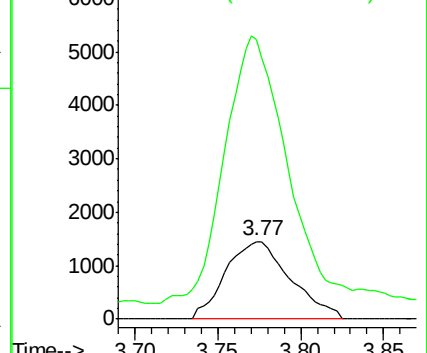
MMDadoda

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Abundance Ion 58.00 (57.70 to 58.70): VN0

Ion 43.00 (42.70 to 43.70): VN0



#16

Carbon Disulfide

Concen: 5.690 ug/l

RT: 4.00 min Scan# 694

Delta R.T. -0.01 min

Lab File: VN061392.D

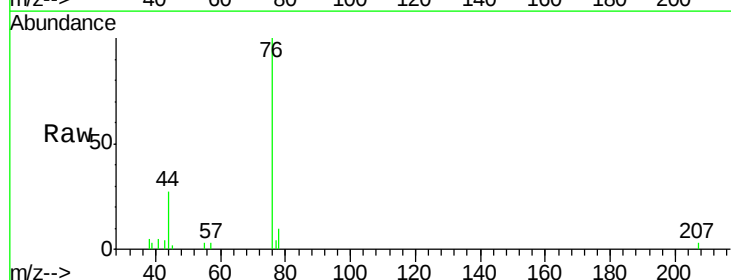
Acq: 14 May 2020 14:14

Tgt Ion: 76 Resp: 16343

Ion Ratio Lower Upper

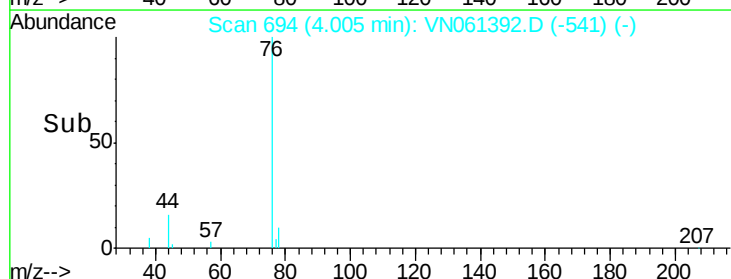
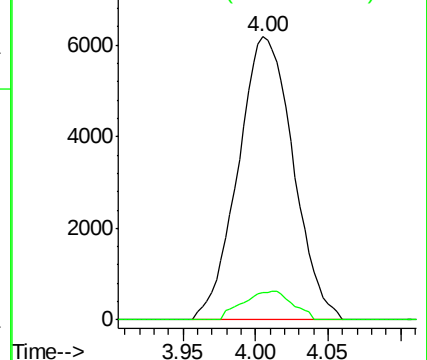
76 100

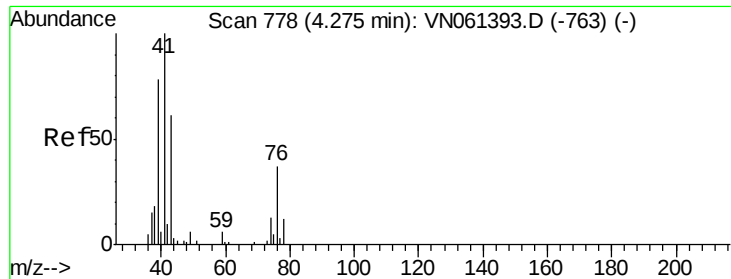
78 9.6 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0





#17

Allvl chloride

Concen: 5.436 ug/l

RT: 4.27 min Scan# 776

Delta R.T. -0.01 min

Lab File: VN061392.D

Acq: 14 May 2020 14:14

Instrument :

MSVOA_N

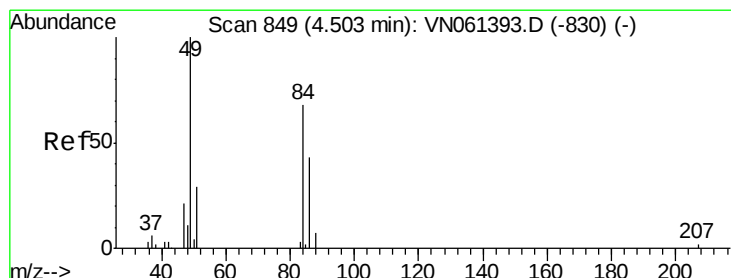
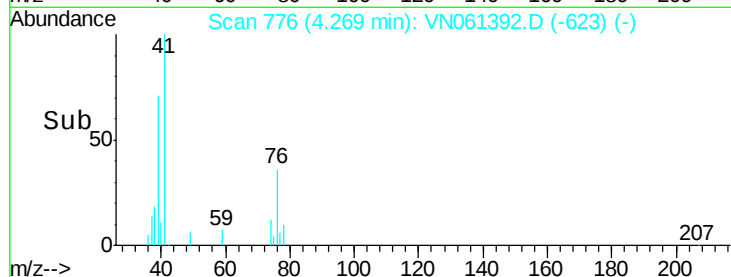
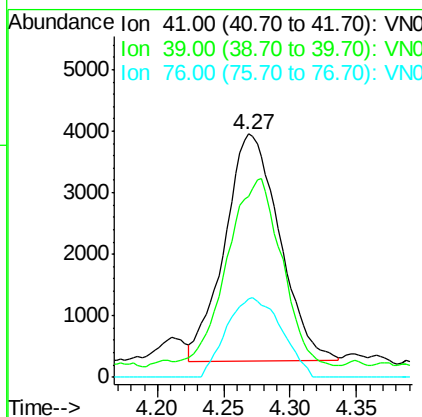
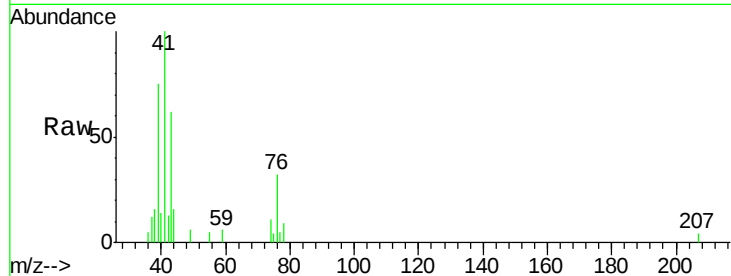
ClientSampleId :

VSTDIC005

Tot Ion:	41	Resp:	10597
Ion	Ratio	Lower	Upper
41	100		
39	75.8	39.6	118.8
76	35.2	17.6	52.9

Manual Integrations
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#18

Methylene Chloride

Concen: 5.705 ug/l

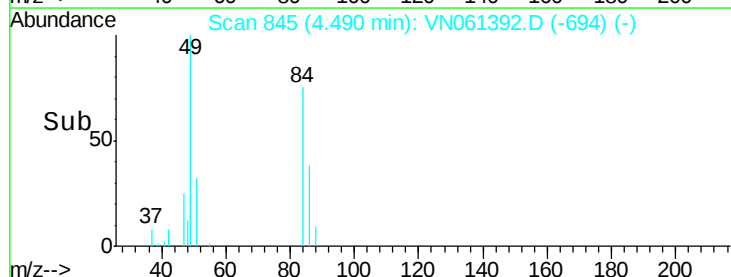
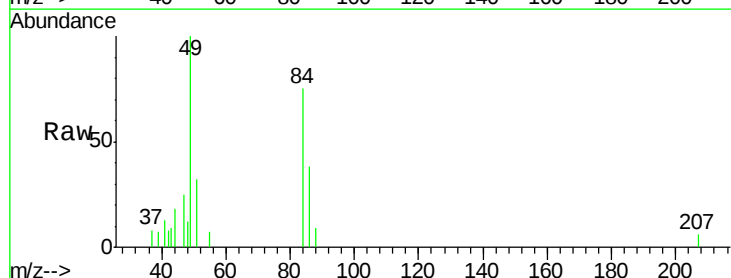
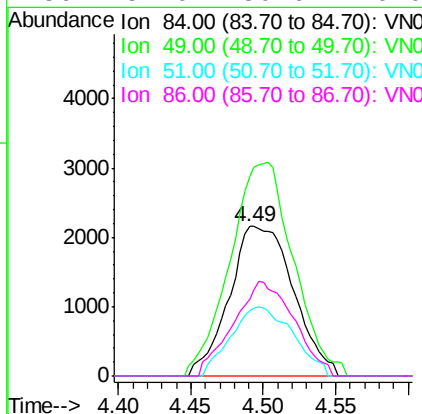
RT: 4.49 min Scan# 845

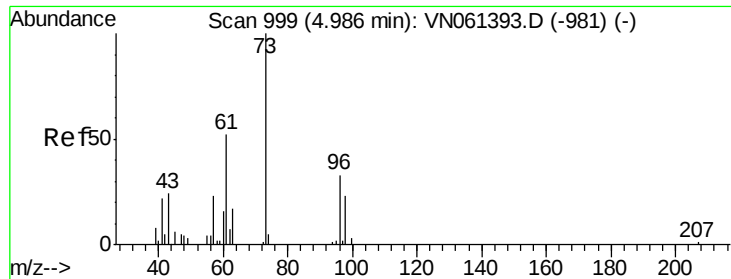
Delta R.T. -0.01 min

Lab File: VN061392.D

Acq: 14 May 2020 14:14

Tgt Ion:	84	Resp:	6657
Ion	Ratio	Lower	Upper
84	100		
49	126.9	106.6	160.0
51	43.3	32.4	48.6
86	51.0	50.6	76.0





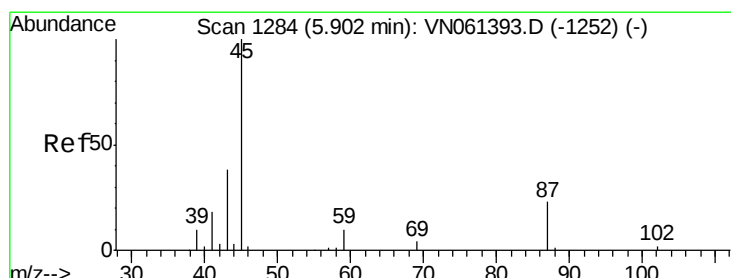
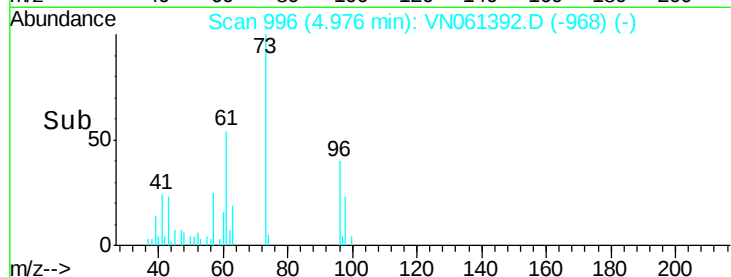
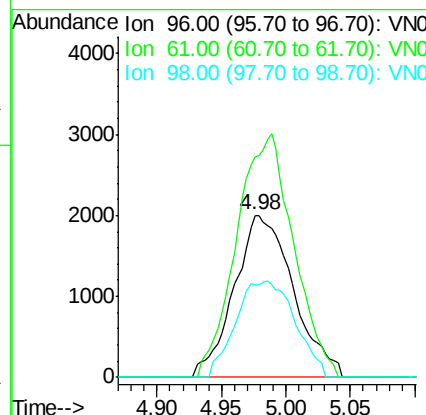
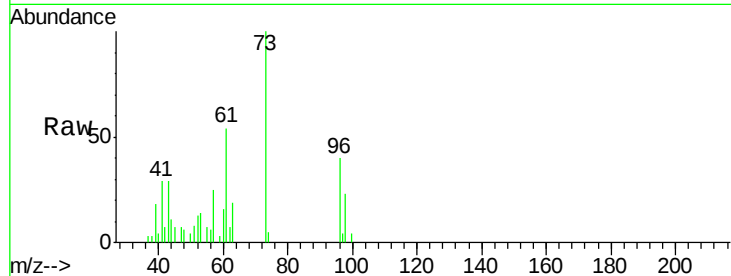
#19
trans-1,2-Dichloroethene
Concen: 5.981 ug/l
RT: 4.98 min Scan# 996
Delta R.T. -0.01 min
Lab File: VN061392.D
Acq: 14 May 2020 14:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
96	100		
61	135.6	131.8	197.6
98	57.1	52.6	79.0

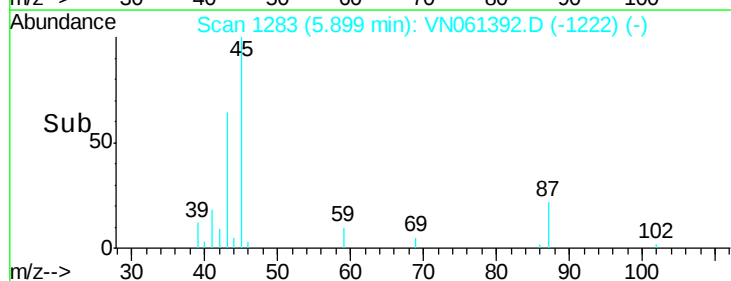
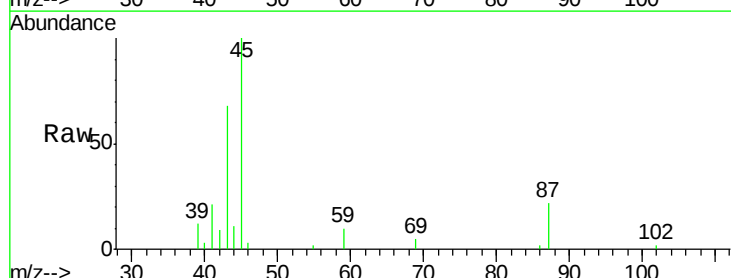
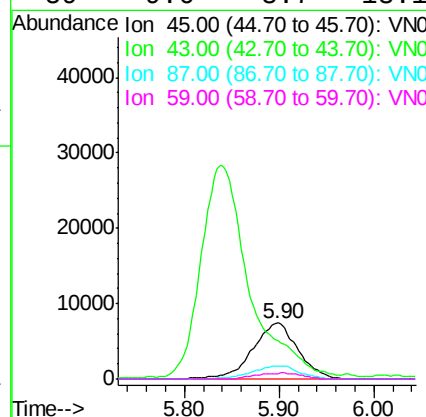
Manual Integrations
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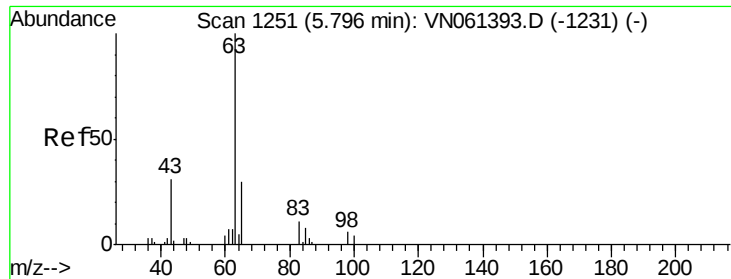
MMDadoda
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#20
Diisopropyl ether
Concen: 6.004 ug/l
RT: 5.90 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VN061392.D
Acq: 14 May 2020 14:14

Tgt Ion	Ratio	Lower	Upper
45	100		
43	59.7	54.7	82.1
87	22.2	21.5	32.3
59	9.6	8.7	13.1





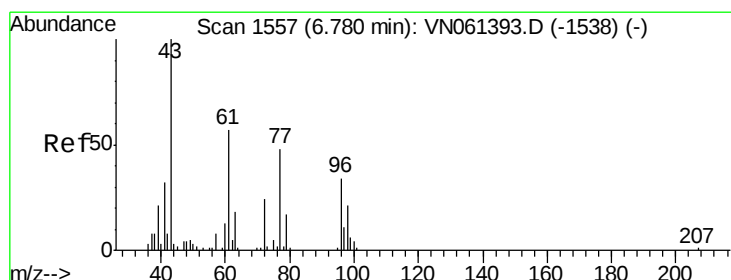
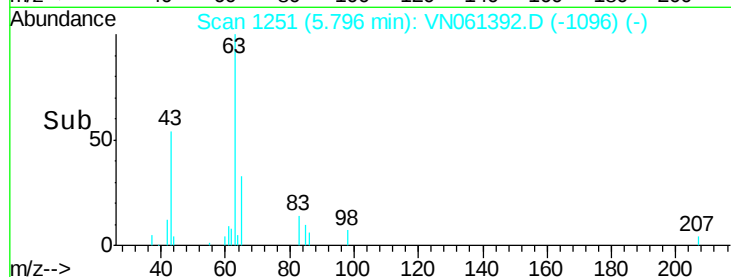
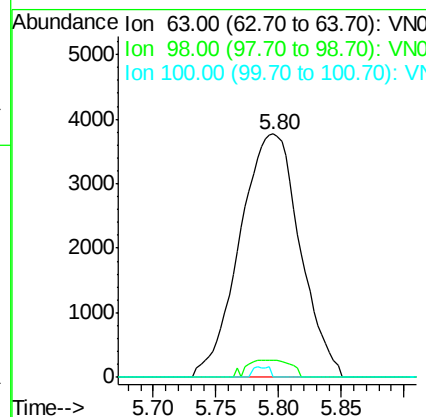
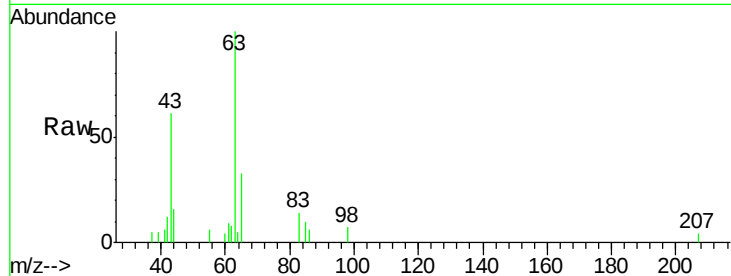
#21
 1,1-Dichloroethane
 Concen: 5.625 ug/l
 RT: 5.80 min Scan# 1251
 Delta R.T. -0.00 min
 Lab File: VN061392.D
 Acq: 14 May 2020 14:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
63	100			
98	7.1	2.9	8.6	
100	0.0	1.8	5.5#	

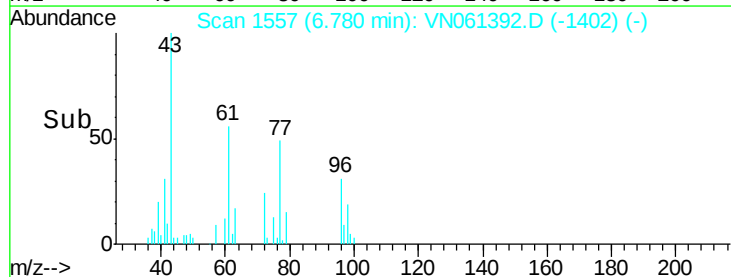
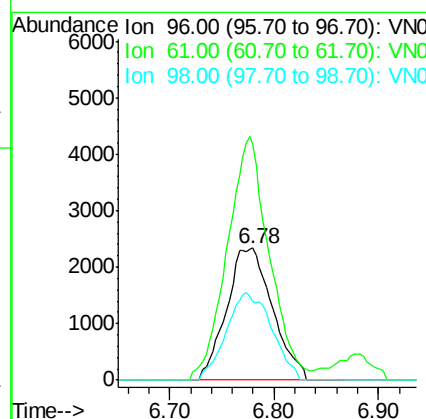
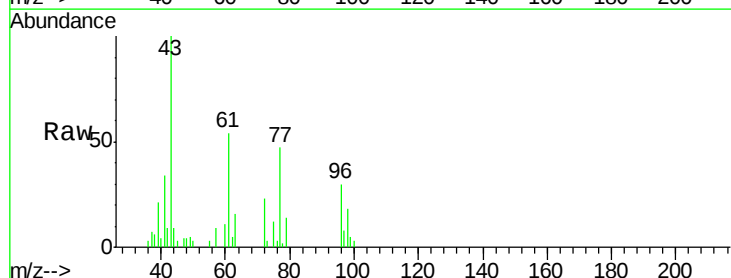
Manual Integrations
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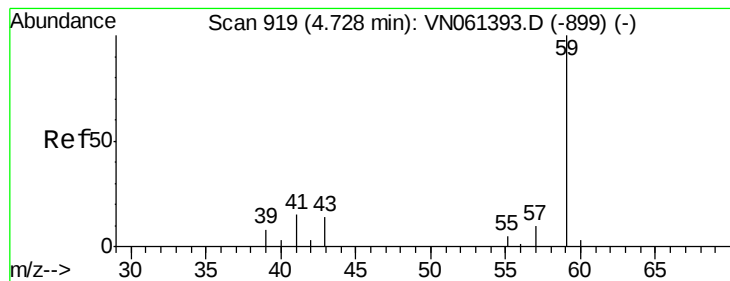
MMDadoda
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#22
 cis-1,2-Dichloroethene
 Concen: 5.580 ug/l m
 RT: 6.78 min Scan# 1557
 Delta R.T. -0.00 min
 Lab File: VN061392.D
 Acq: 14 May 2020 14:14

Tgt Ion	Ratio	Resp	Lower	Upper
96	100			
61	168.9	127.2	190.8	
98	42.3	50.5	75.7#	





#23

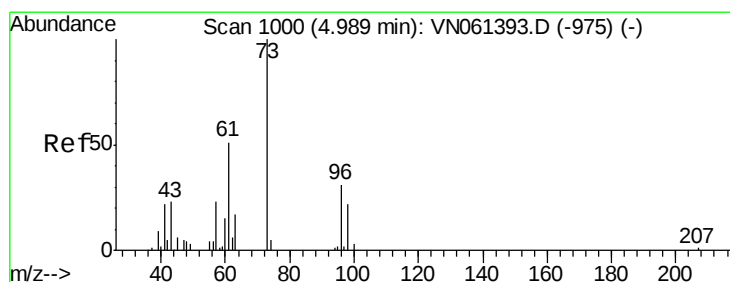
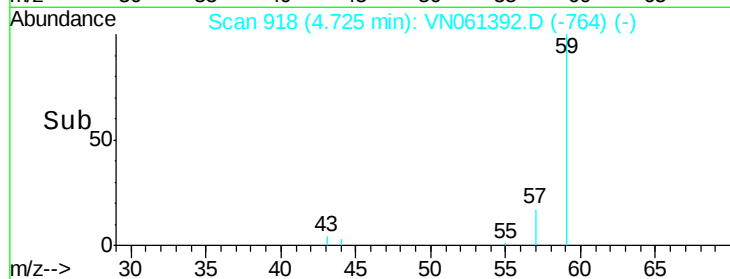
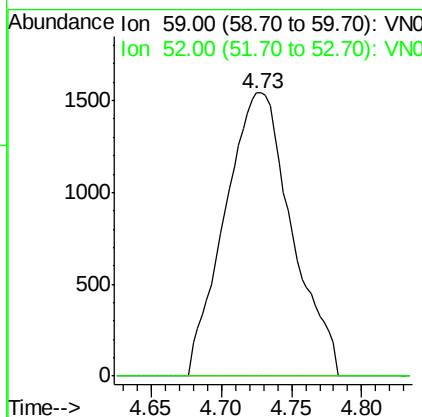
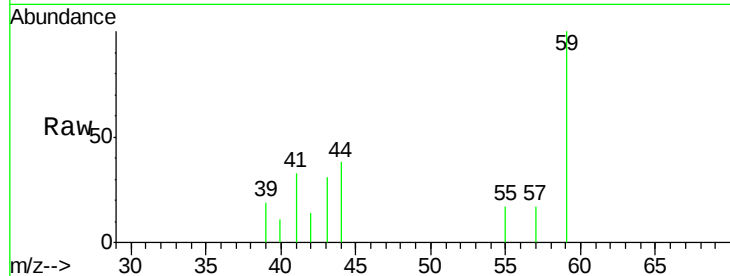
tert-Butyl Alcohol
 Concen: 21.353 ug/l
 RT: 4.73 min Scan# 918
 Delta R.T. -0.00 min
 Lab File: VN061392.D
 Acq: 14 May 2020 14:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
59	100		
52	235.5	0.0	0.0#

Manual Integrations
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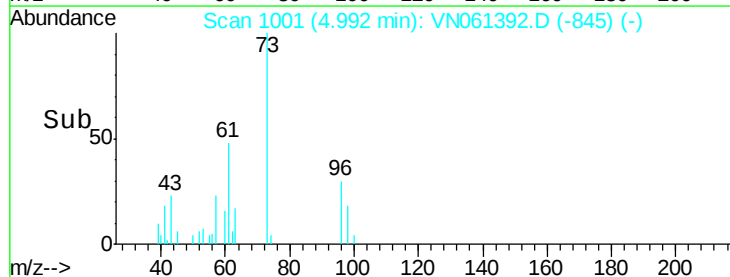
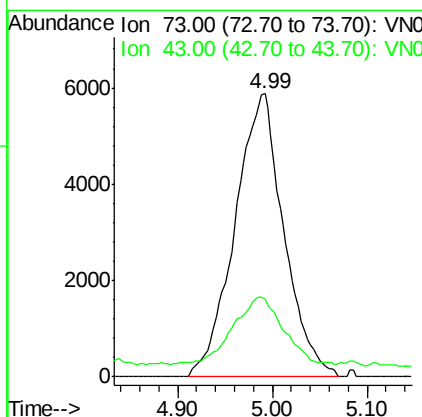
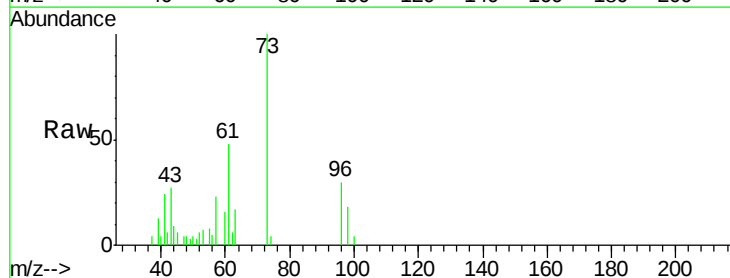
MMDadoda
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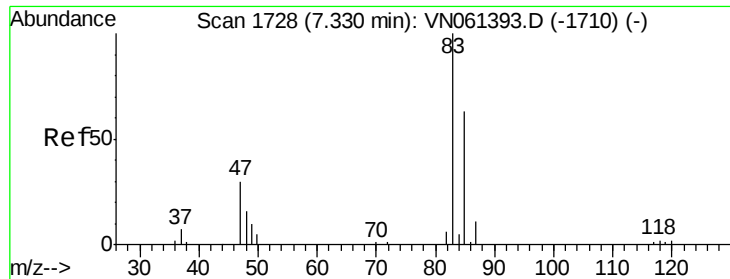


#24

Methyl tert-Butyl Ether
 Concen: 5.730 ug/l
 RT: 4.99 min Scan# 1001
 Delta R.T. 0.00 min
 Lab File: VN061392.D
 Acq: 14 May 2020 14:14

Tgt Ion	Ratio	Lower	Upper
73	100		
43	22.6	17.9	26.9





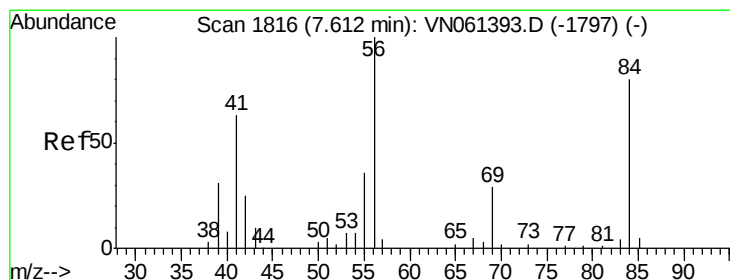
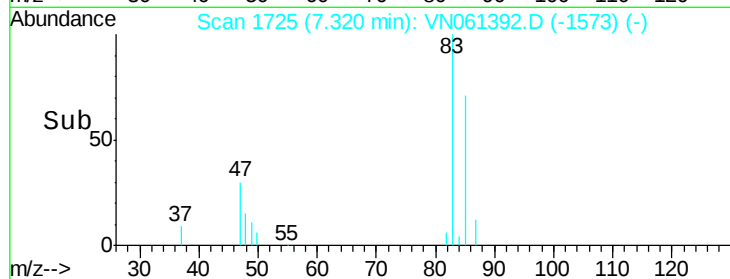
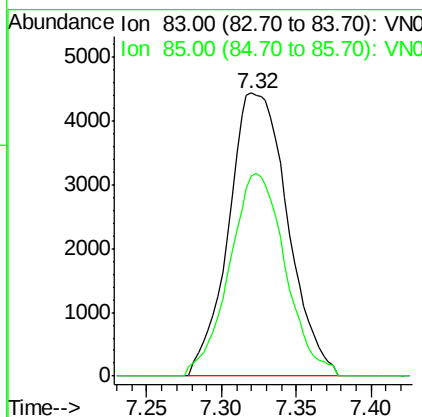
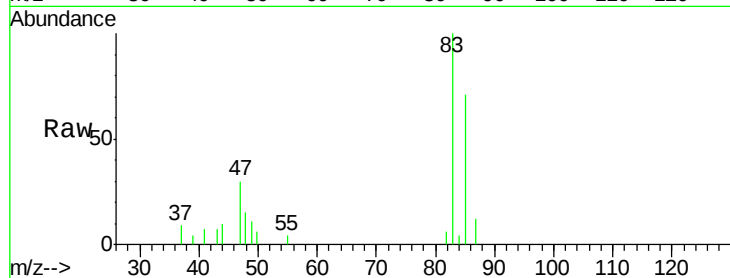
#25
Chloroform
Concen: 5.529 ug/l
RT: 7.32 min Scan# 1725
Delta R.T. -0.01 min
Lab File: VN061392.D
Acq: 14 May 2020 14:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	83	Resp	12194
Ion Ratio	100	Lower	Upper
83	100		
85	70.9	53.8	80.8

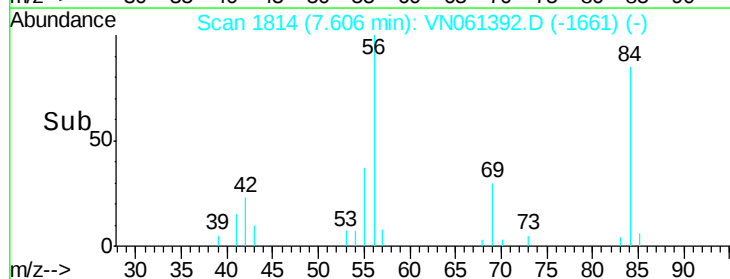
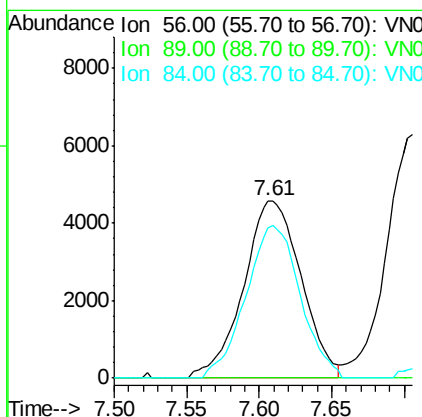
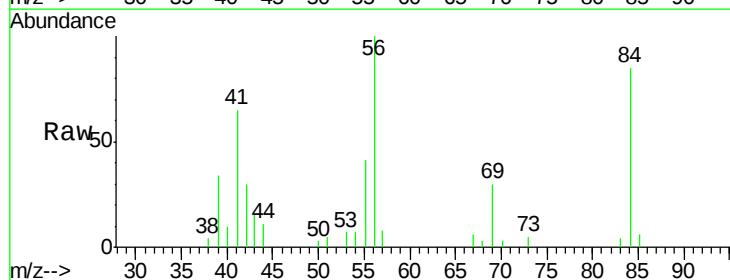
Manual Integrations
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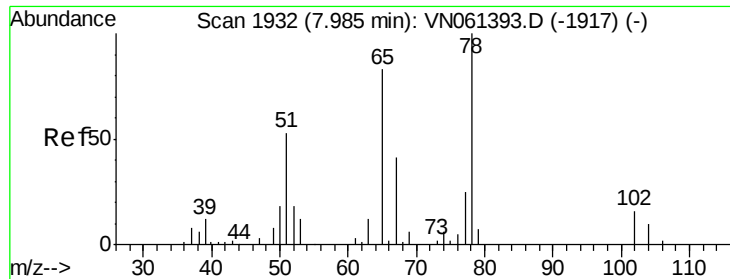
MMDadoda
5/15/2020 2:10:35 PM



#26
Cyclohexane
Concen: 6.307 ug/l
RT: 7.61 min Scan# 1814
Delta R.T. -0.01 min
Lab File: VN061392.D
Acq: 14 May 2020 14:14

Tgt Ion	56	Resp	12632
Ion Ratio	100	Lower	Upper
56	100		
89	0.0	6.2	9.2#
84	81.3	65.6	98.4





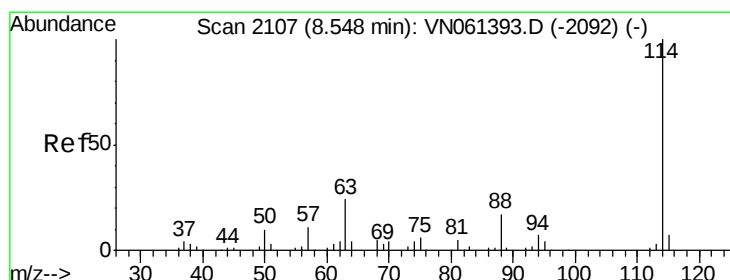
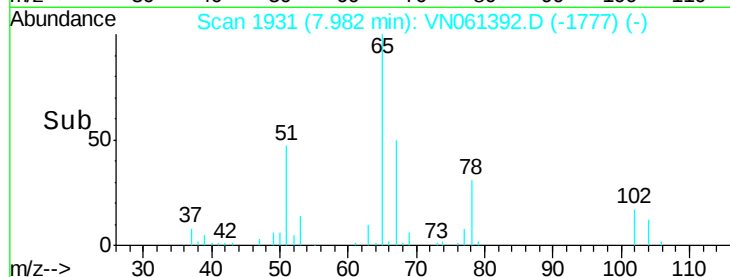
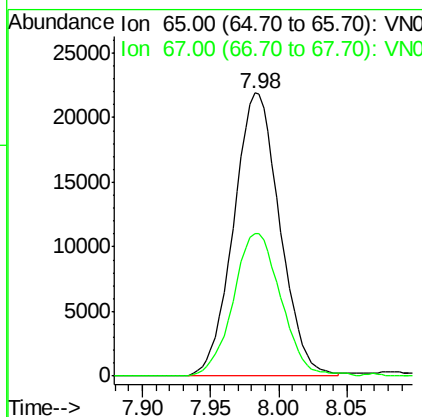
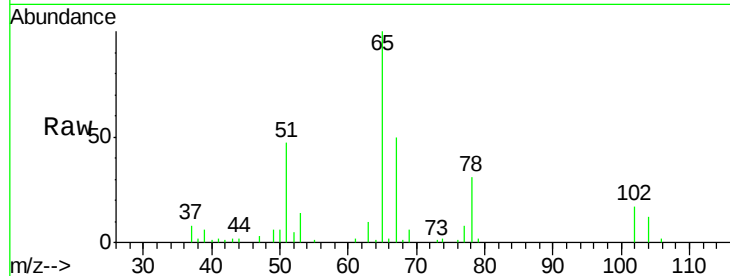
#27
 1,2-Dichloroethane-d4
 Concen: 32.169 ug/l
 RT: 7.98 min Scan# 1931
 Delta R.T. -0.00 min
 Lab File: VN061392.D
 Acq: 14 May 2020 14:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion: 65 Resp: 51479
 Ion Ratio Lower Upper
 65 100
 67 52.1 41.5 62.3

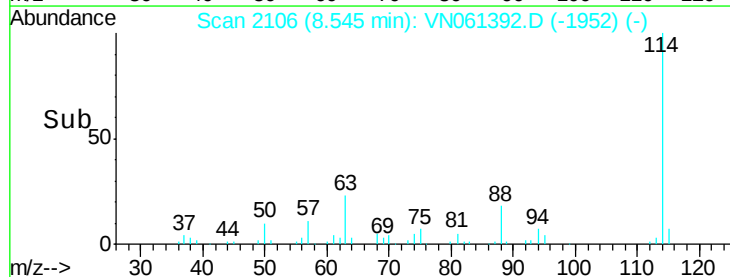
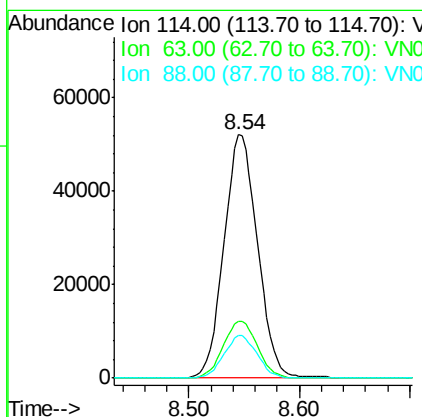
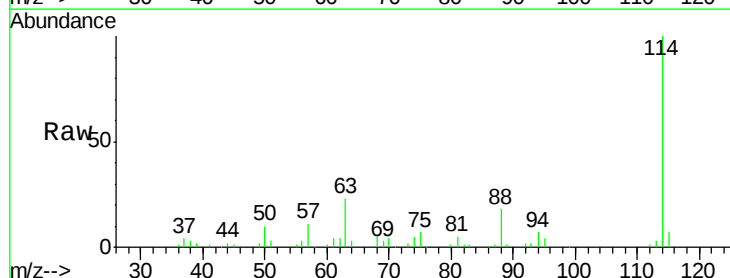
Manual Integrations
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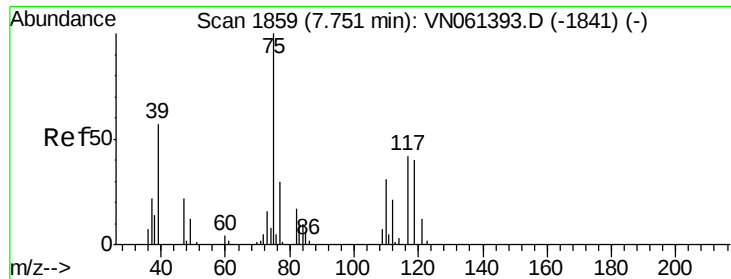
MMDadoda
 5/15/2020 2:10:35 PM



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.54 min Scan# 2106
 Delta R.T. -0.00 min
 Lab File: VN061392.D
 Acq: 14 May 2020 14:14

Tgt Ion: 114 Resp: 109909
 Ion Ratio Lower Upper
 114 100
 63 23.8 18.1 27.1
 88 17.1 13.0 19.4





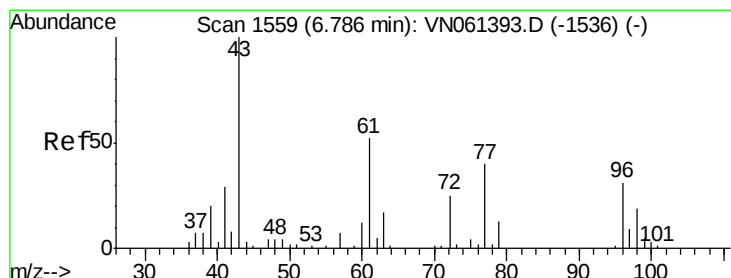
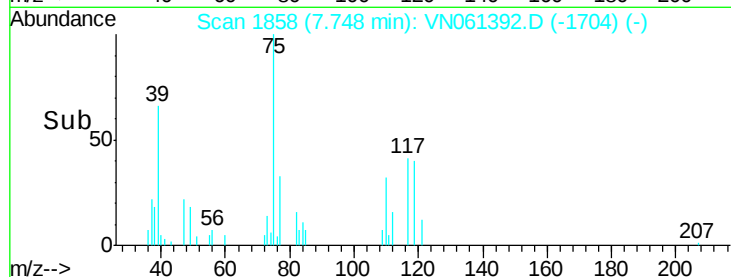
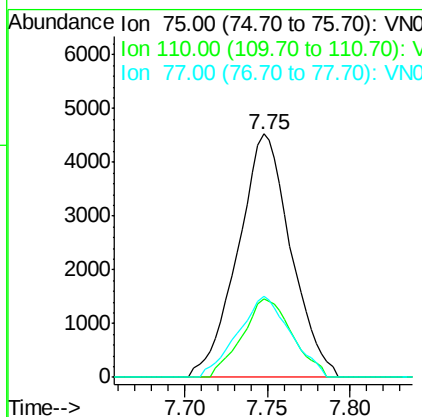
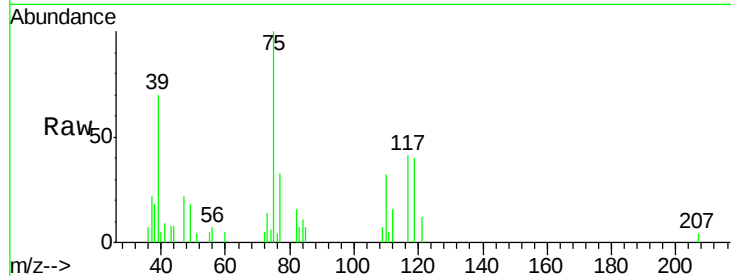
#29
 1,1-Dichloropropene
 Concen: 5.700 ug/l
 RT: 7.75 min Scan# 1858
 Delta R.T. -0.00 min
 Lab File: VN061392.D
 Acq: 14 May 2020 14:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
75	100		
110	30.4	0.0	64.6
77	33.1	0.0	60.8

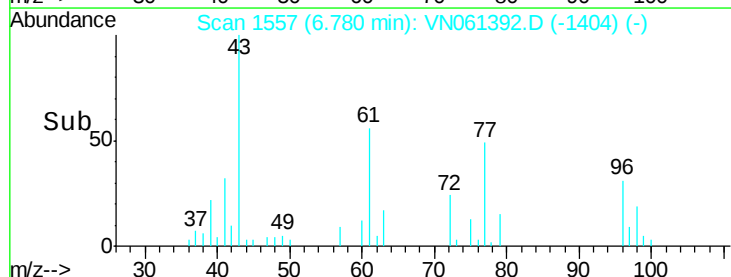
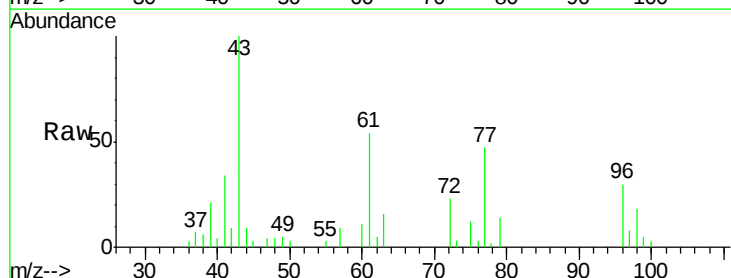
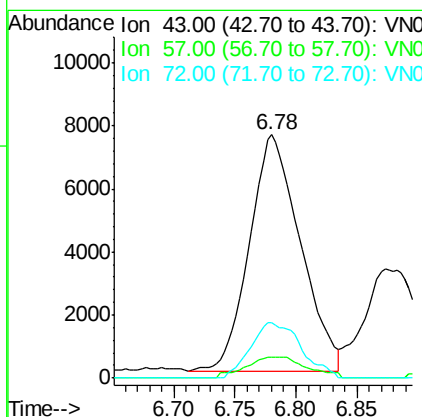
Manual Integrations
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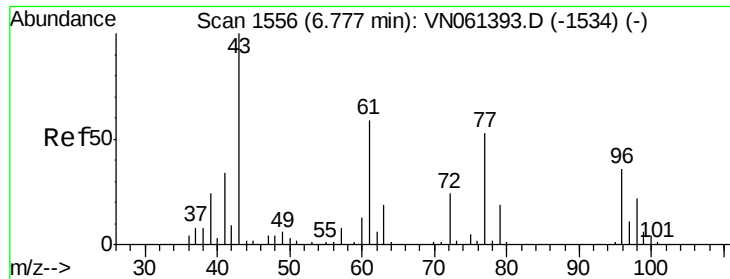
MMDadoda
 5/15/2020 2:10:35 PM



#30
 2-Butanone
 Concen: 22.709 ug/l
 RT: 6.78 min Scan# 1557
 Delta R.T. -0.01 min
 Lab File: VN061392.D
 Acq: 14 May 2020 14:14

Tgt Ion	Ratio	Lower	Upper
43	100		
57	3.0	6.5	9.7#
72	23.4	20.1	30.1





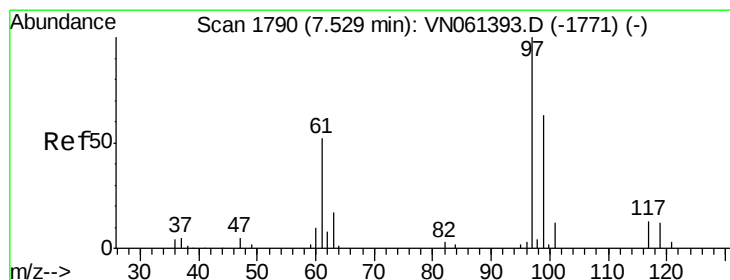
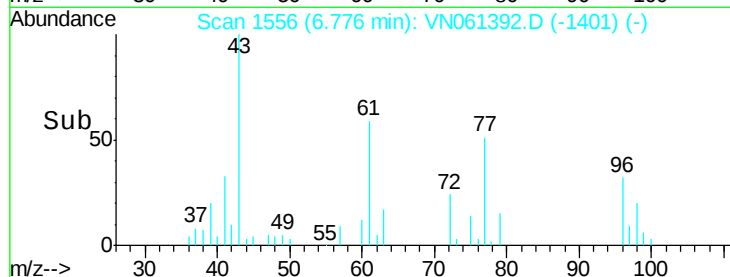
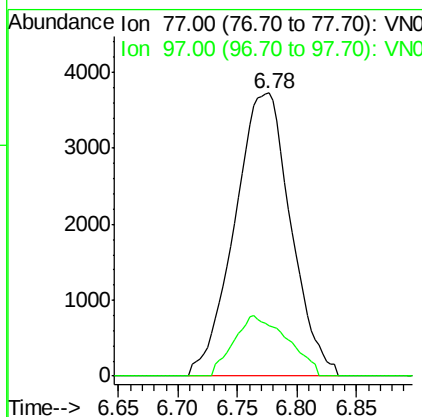
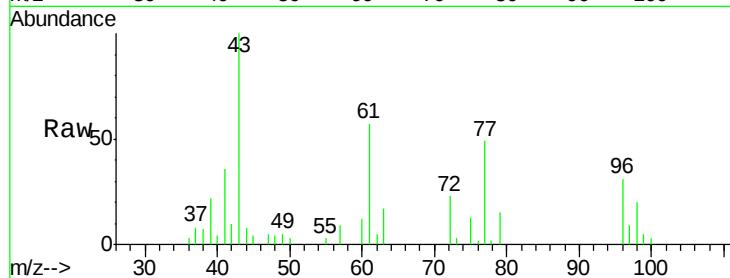
#31
 2,2-Dichloropropane
 Concen: 5.868 ug/l
 RT: 6.78 min Scan# 1556
 Delta R.T. -0.00 min
 Lab File: VN061392.D
 Acq: 14 May 2020 14:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion: 77 Resp: 12209
 Ion Ratio Lower Upper
 77 100
 97 20.4 17.9 26.9

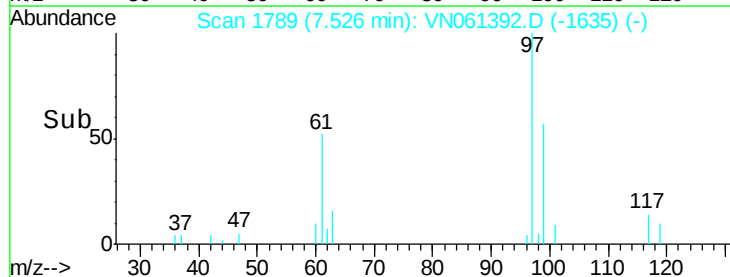
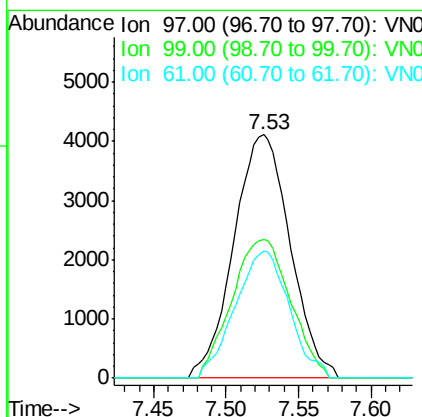
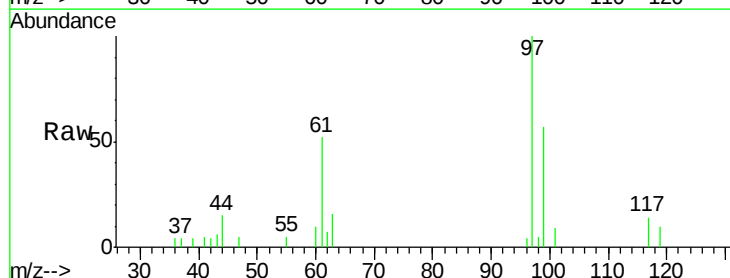
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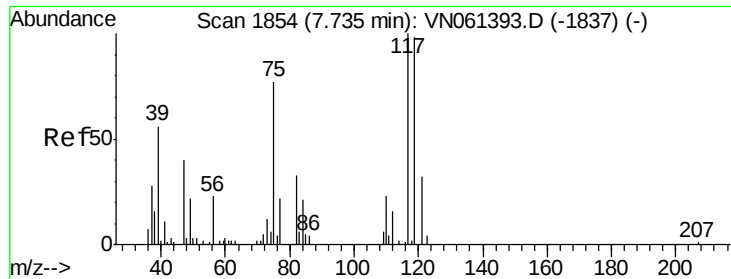
MMDadoda
 5/15/2020 2:10:35 PM



#32
 1,1,1-Trichloroethane
 Concen: 5.534 ug/l
 RT: 7.53 min Scan# 1789
 Delta R.T. -0.00 min
 Lab File: VN061392.D
 Acq: 14 May 2020 14:14

Tgt Ion: 97 Resp: 11115
 Ion Ratio Lower Upper
 97 100
 99 59.2 51.3 76.9
 61 50.0 38.4 57.6





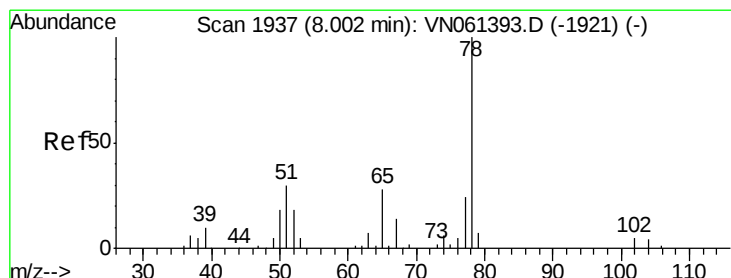
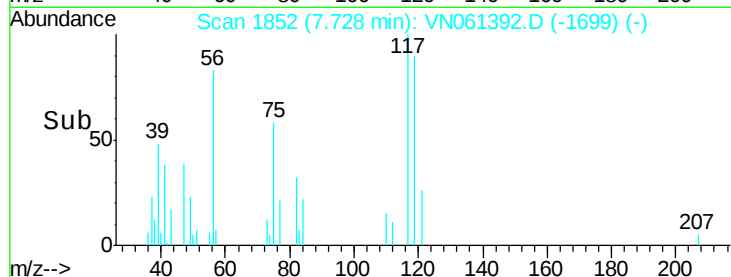
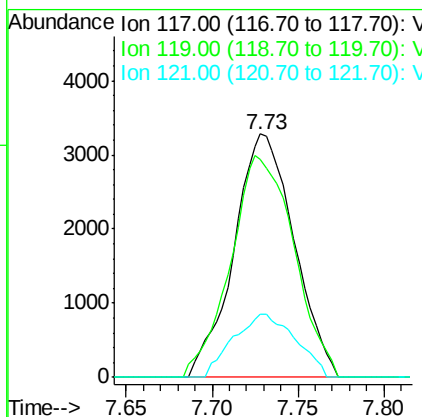
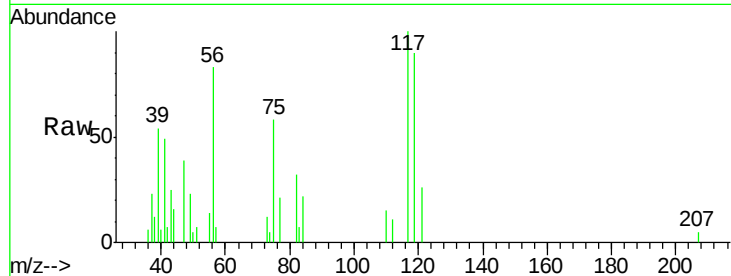
#33
Carbon Tetrachloride
Concen: 4.722 ug/l
RT: 7.73 min Scan# 1852
Delta R.T. -0.01 min
Lab File: VN061392.D
Acq: 14 May 2020 14:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
117	100		
119	89.8	76.9	115.3
121	26.0	23.8	35.8

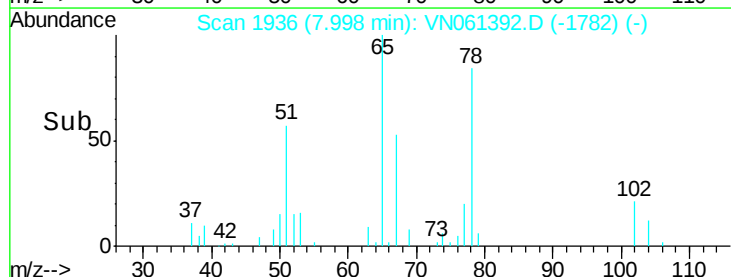
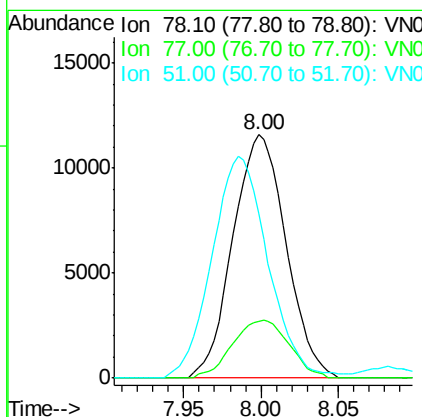
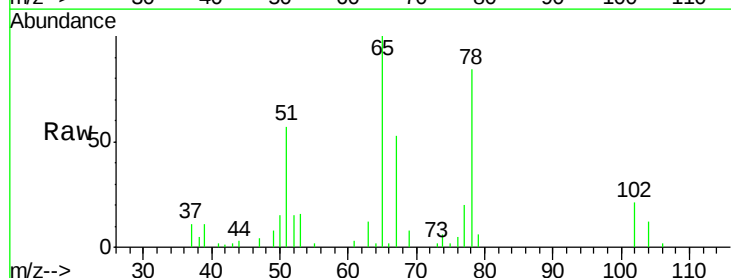
Manual Integrations
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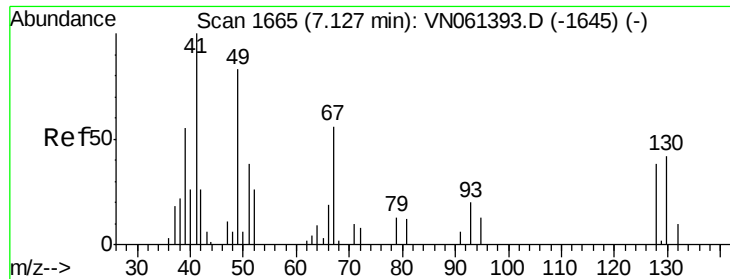
MMDadoda
5/15/2020 2:10:35 PM



#34
Benzene
Concen: 5.386 ug/l
RT: 8.00 min Scan# 1936
Delta R.T. -0.00 min
Lab File: VN061392.D
Acq: 14 May 2020 14:14

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.4	19.2	28.8
51	65.8	22.1	33.1#





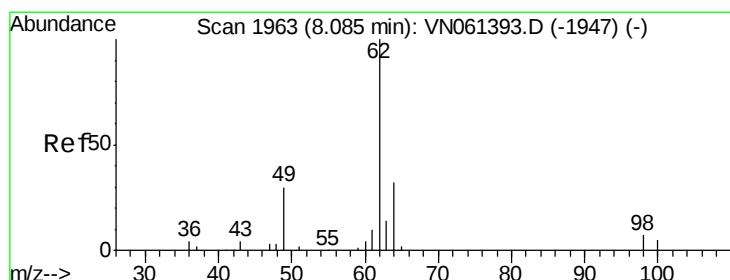
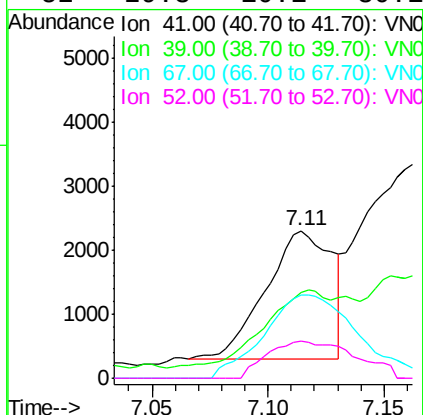
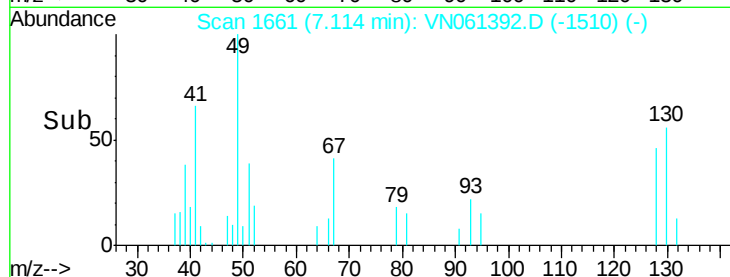
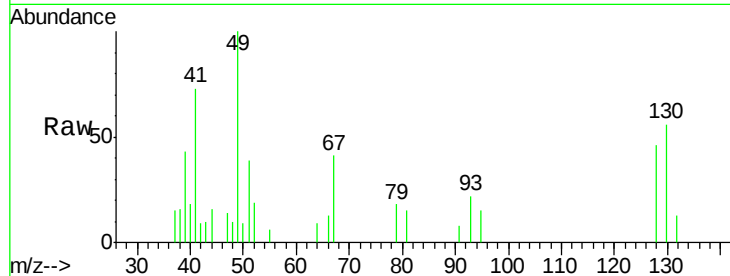
#35
Methacrylonitrile
Concen: 4.466 ug/l
RT: 7.11 min Scan# 1661
Delta R.T. -0.01 min
Lab File: VN061392.D
Acq: 14 May 2020 14:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	57.1	25.8	77.4	
67	64.9	23.0	69.0	
52	29.3	10.1	30.1	

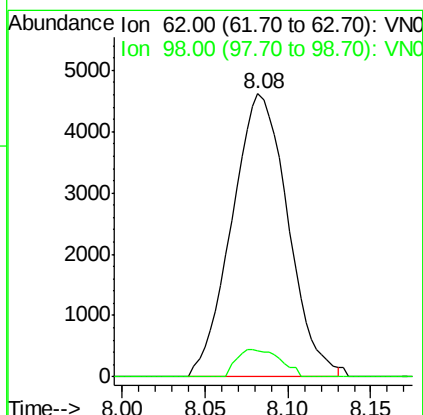
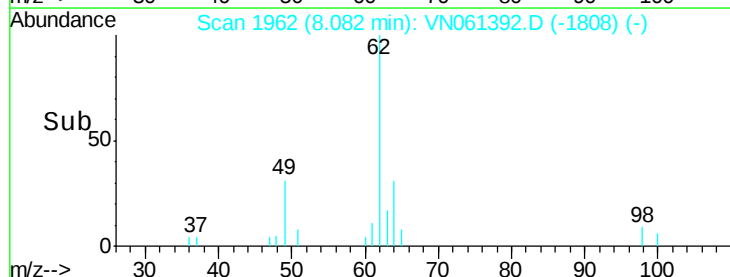
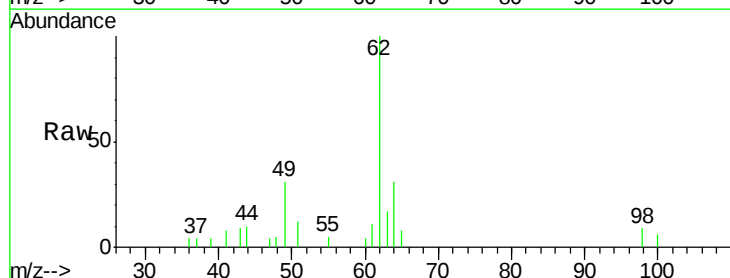
Manual Integrations
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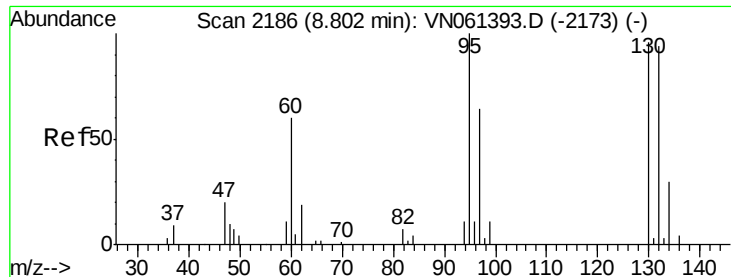
MMDadoda
5/15/2020 2:10:35 PM



#36
1,2-Dichloroethane
Concen: 5.519 ug/l
RT: 8.08 min Scan# 1962
Delta R.T. -0.00 min
Lab File: VN061392.D
Acq: 14 May 2020 14:14

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	7.4	6.4	9.6	





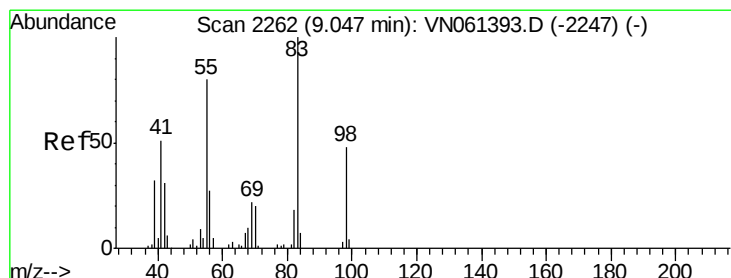
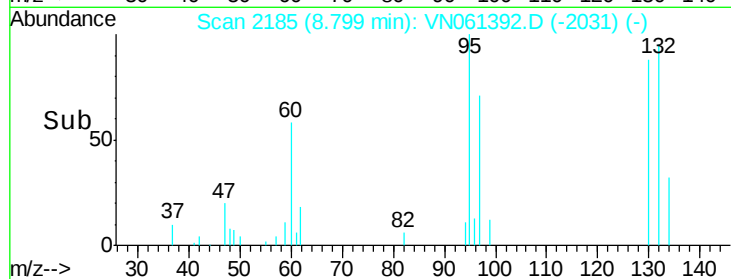
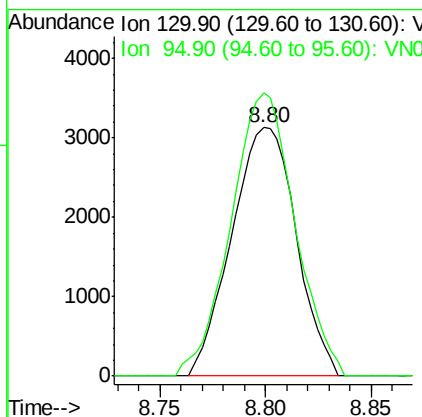
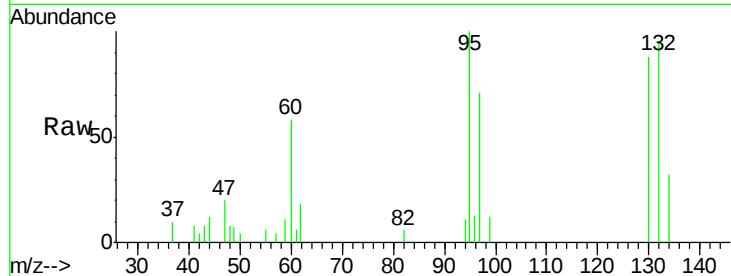
#37
 Trichloroethene
 Concen: 5.299 ug/l
 RT: 8.80 min Scan# 2185
 Delta R.T. -0.00 min
 Lab File: VN061392.D
 Acq: 14 May 2020 14:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion:130 Resp: 6662
 Ion Ratio Lower Upper
 130 100
 95 108.0 83.2 124.8

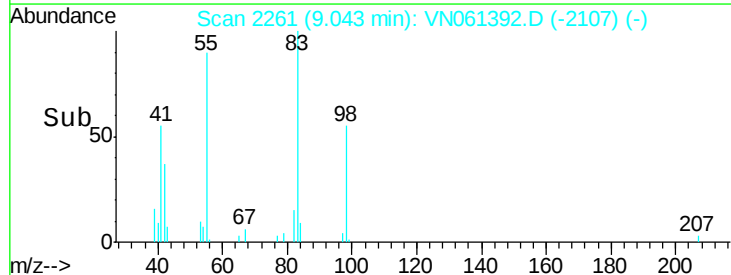
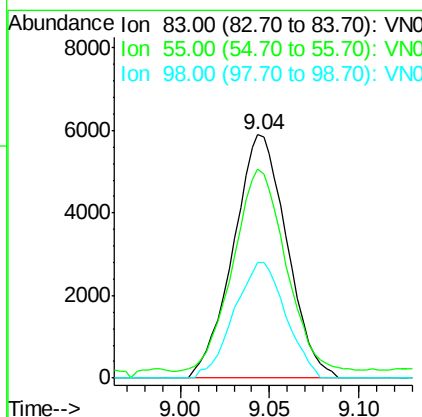
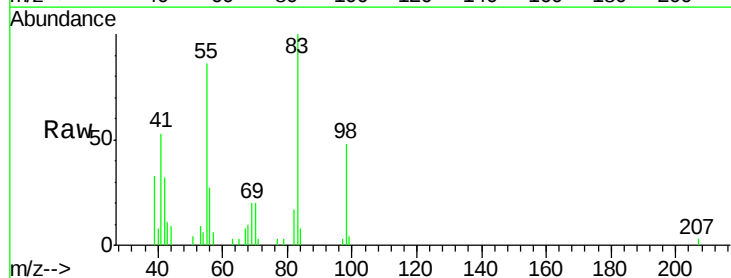
Manual Integrations
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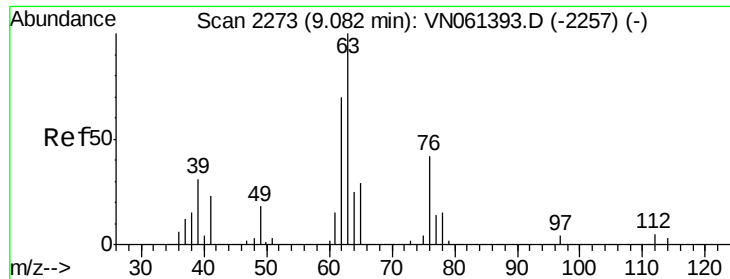
MMDadoda
 5/15/2020 2:10:35 PM



#38
 Methylcyclohexane
 Concen: 5.983 ug/l
 RT: 9.04 min Scan# 2261
 Delta R.T. -0.00 min
 Lab File: VN061392.D
 Acq: 14 May 2020 14:14

Tgt Ion: 83 Resp: 12341
 Ion Ratio Lower Upper
 83 100
 55 82.2 40.4 121.1
 98 45.8 21.6 65.0





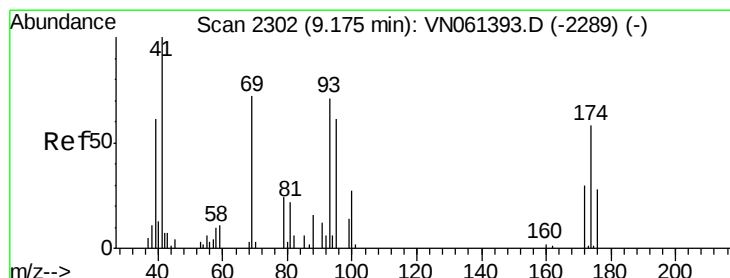
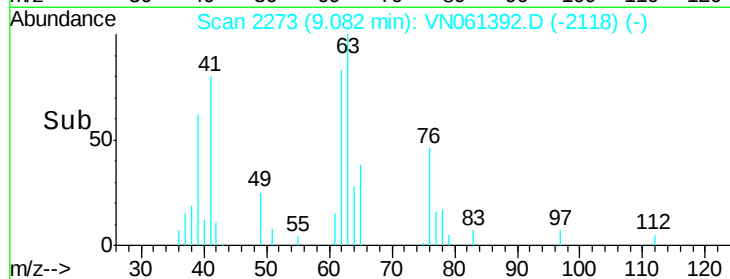
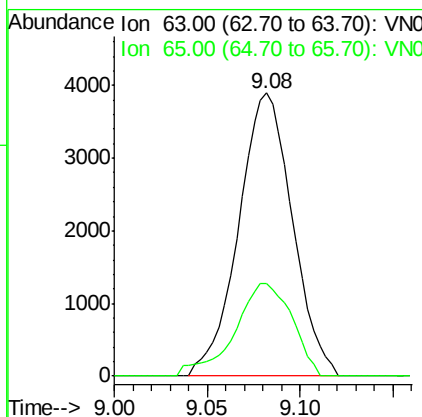
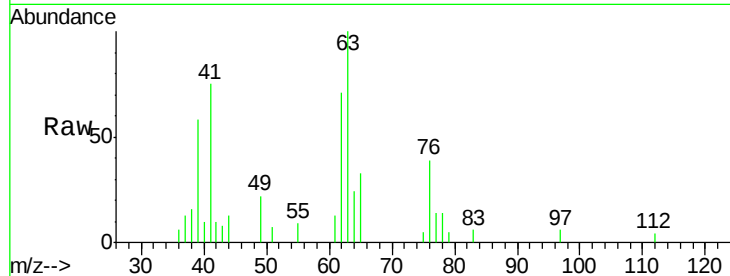
#39
 1,2-Dichloropropane
 Concen: 5.604 ug/l
 RT: 9.08 min Scan# 2273
 Delta R.T. -0.00 min
 Lab File: VN061392.D
 Acq: 14 May 2020 14:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion: 63 Resp: 7882
 Ion Ratio Lower Upper
 63 100
 65 32.5 23.8 35.6

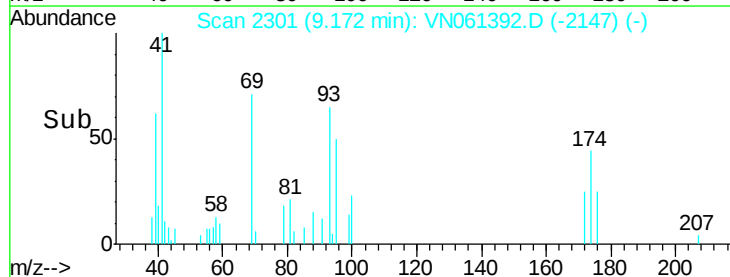
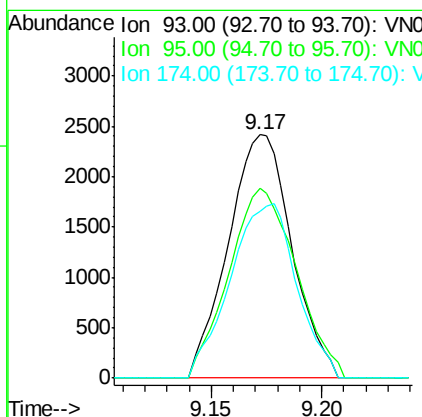
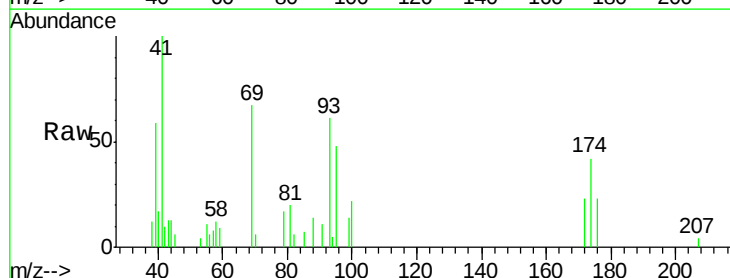
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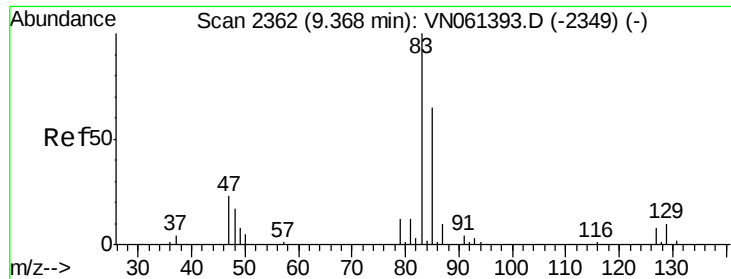
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 5/15/2020 2:10:35 PM



#40
 Dibromomethane
 Concen: 5.503 ug/l
 RT: 9.17 min Scan# 2301
 Delta R.T. -0.00 min
 Lab File: VN061392.D
 Acq: 14 May 2020 14:14

Tgt Ion: 93 Resp: 4830
 Ion Ratio Lower Upper
 93 100
 95 82.7 0.0 167.6
 174 74.9 0.0 187.2





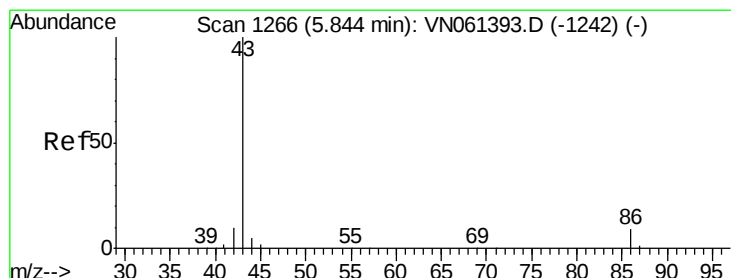
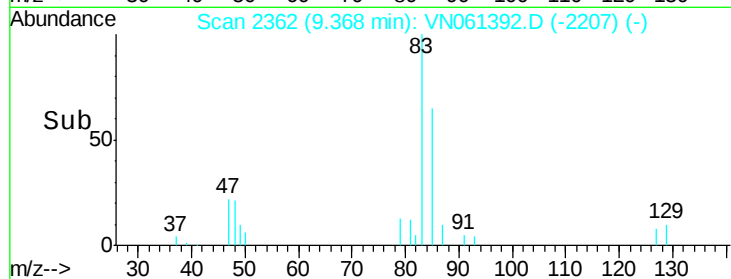
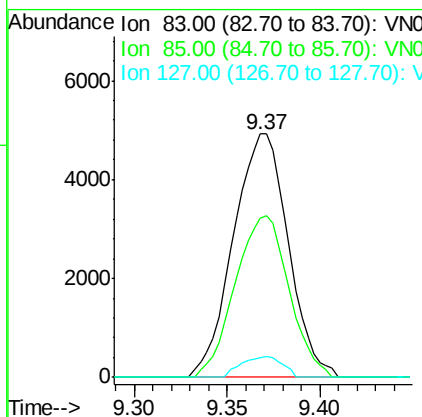
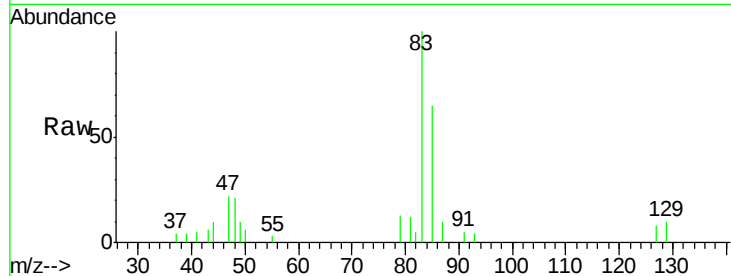
#41
Bromodichloromethane
Concen: 5.533 ug/l
RT: 9.37 min Scan# 2362
Delta R.T. -0.00 min
Lab File: VN061392.D
Acq: 14 May 2020 14:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	83	Resp	10103
Ion Ratio	100	Lower	Upper
83	100		
85	65.3	51.0	76.4
127	8.1	6.6	9.8

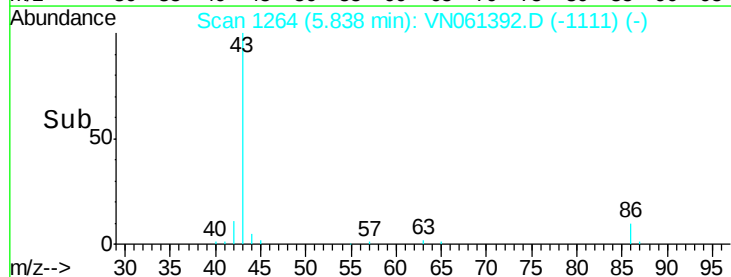
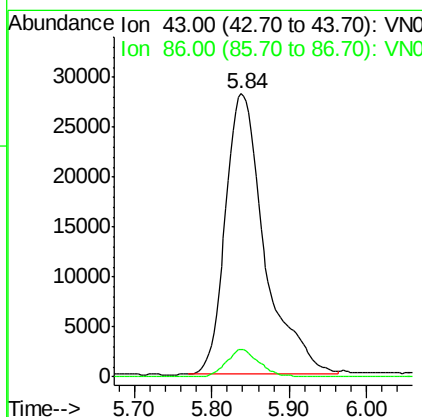
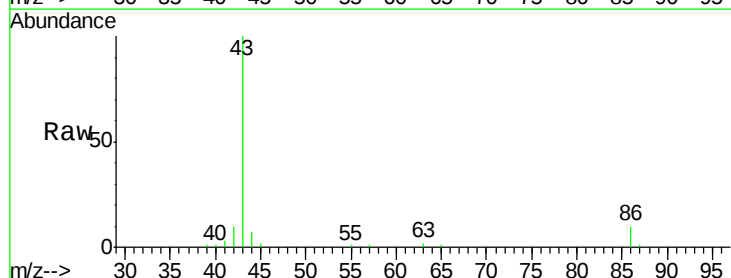
Manual Integrations
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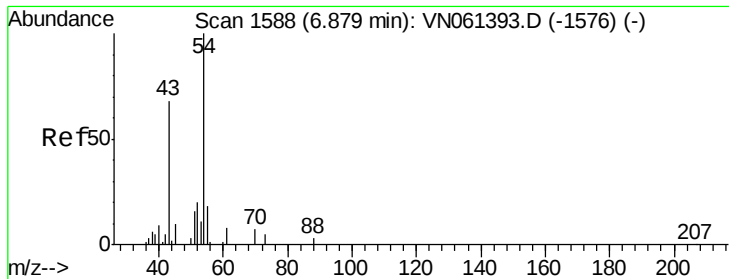
MMDadoda
5/15/2020 2:10:35 PM



#42
Vinyl Acetate
Concen: 28.581 ug/l
RT: 5.84 min Scan# 1264
Delta R.T. -0.01 min
Lab File: VN061392.D
Acq: 14 May 2020 14:14

Tgt Ion	43	Resp	99168
Ion Ratio	100	Lower	Upper
43	100		
86	8.2	6.5	9.7





#43

Ethyl Acetate

Concen: 3.921 ug/l m

RT: 6.87 min Scan# 1586

Delta R.T. -0.01 min

Lab File: VN061392.D

Acq: 14 May 2020 14:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 7451

Ion Ratio Lower Upper

43 100

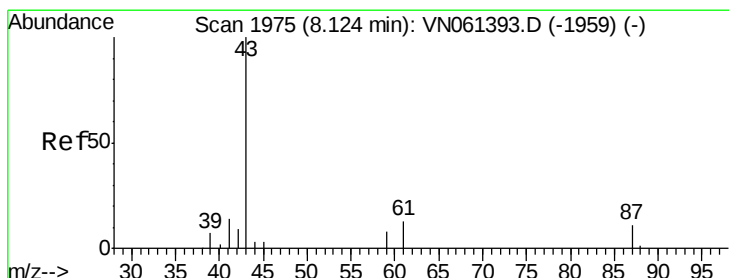
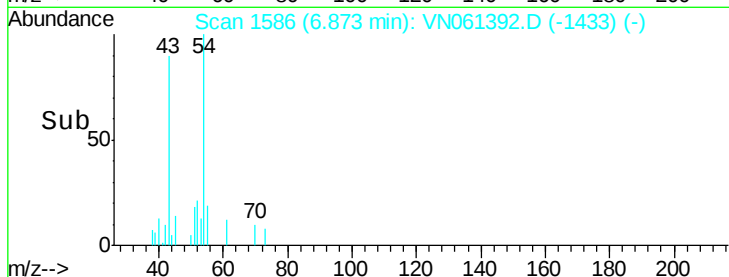
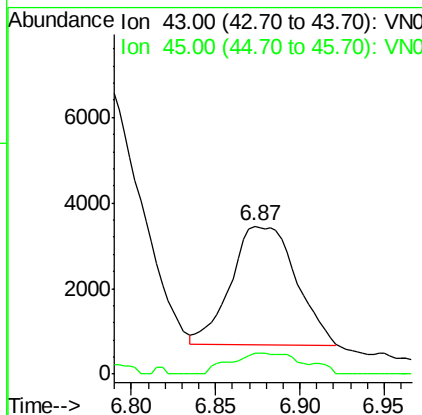
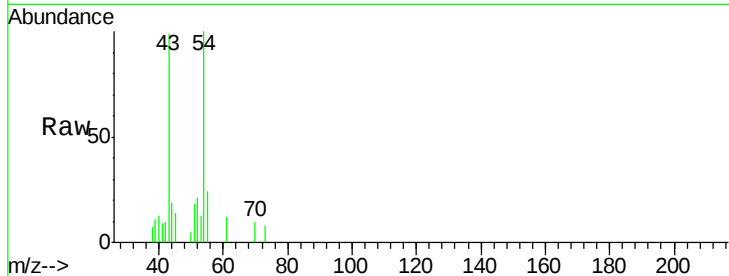
45 3.6 9.7 14.5#

Manual Integrations

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#44

Isopropyl Acetate

Concen: 5.584 ug/l

RT: 8.12 min Scan# 1974

Delta R.T. -0.00 min

Lab File: VN061392.D

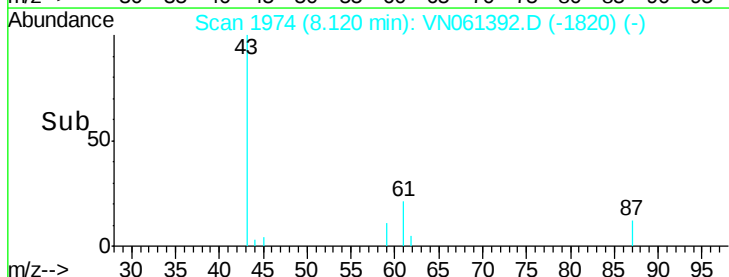
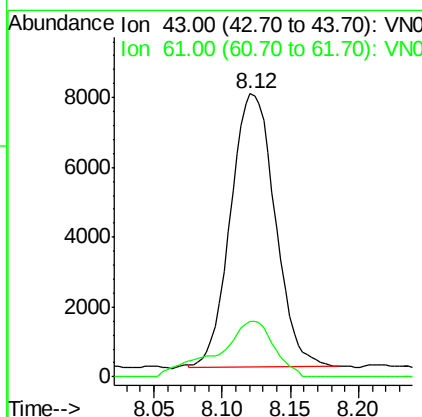
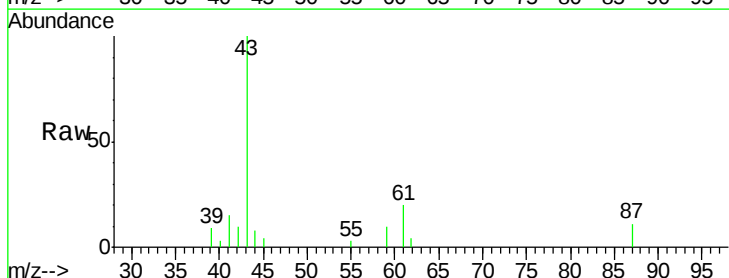
Acq: 14 May 2020 14:14

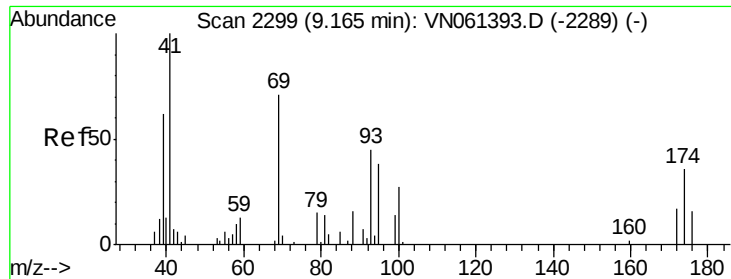
Tgt Ion: 43 Resp: 17691

Ion Ratio Lower Upper

43 100

61 25.9 19.9 29.9





#45

1,4-Dioxane

Concen: 66.672 ug/l

RT: 9.16 min Scan# 2298

Delta R.T. -0.00 min

Lab File: VN061392.D

Acq: 14 May 2020 14:14

Instrument :

MSVOA_N

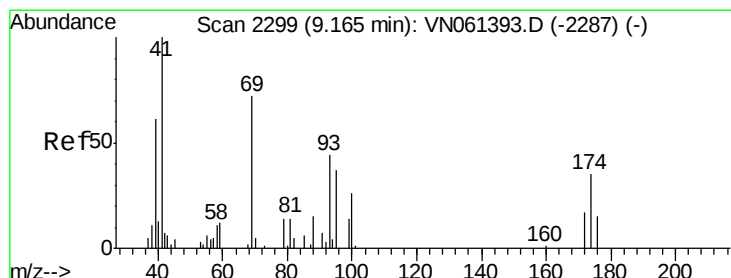
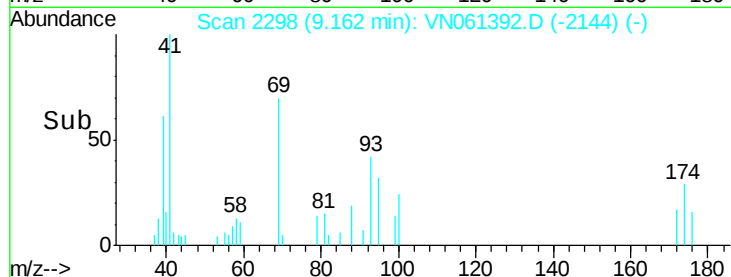
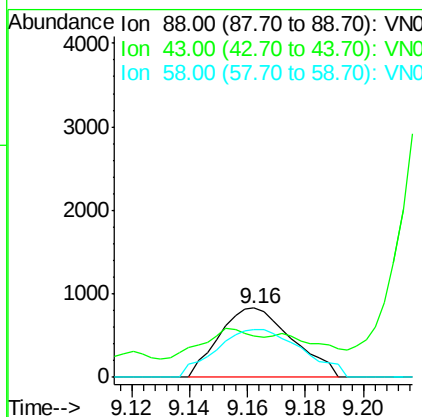
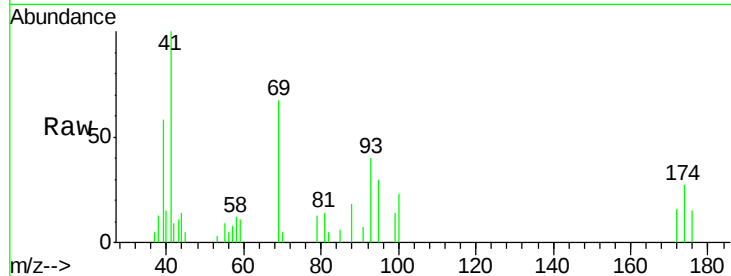
ClientSampleId :

VSTDIC005

Tot Ion:	88	Resp:	1451
Ion	Ratio	Lower	Upper
88	100		
43	33.0	29.8	44.8
58	81.7	58.2	87.4

Manual Integrations
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#46

Methyl methacrylate

Concen: 5.910 ug/l

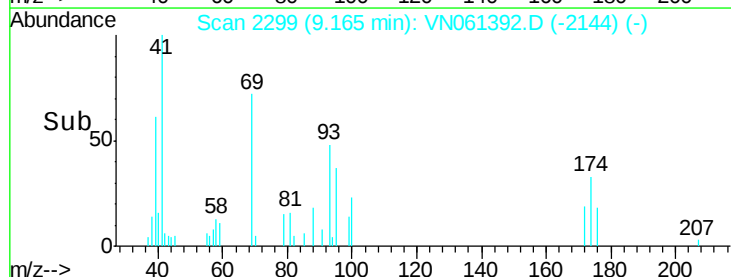
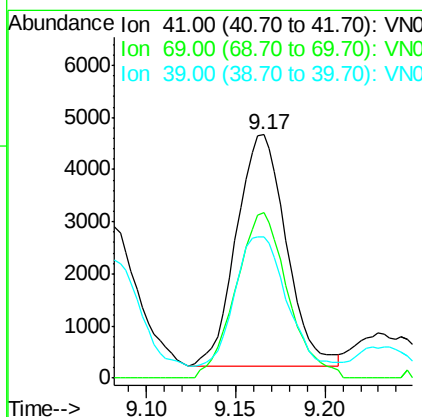
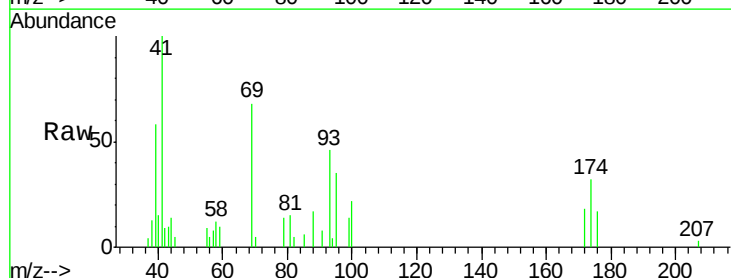
RT: 9.17 min Scan# 2299

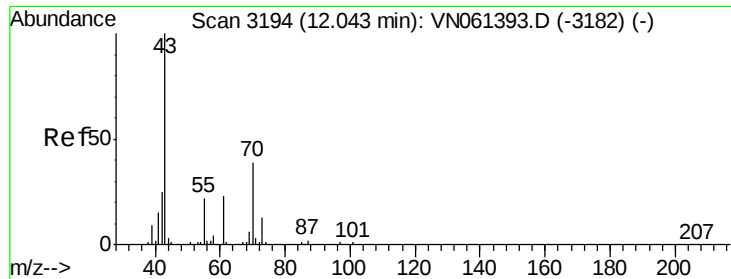
Delta R.T. -0.00 min

Lab File: VN061392.D

Acq: 14 May 2020 14:14

Tgt Ion:	41	Resp:	8659
Ion	Ratio	Lower	Upper
41	100		
69	71.7	40.2	120.5
39	55.5	29.9	89.8





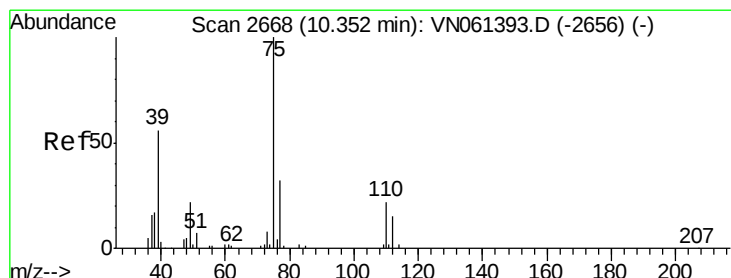
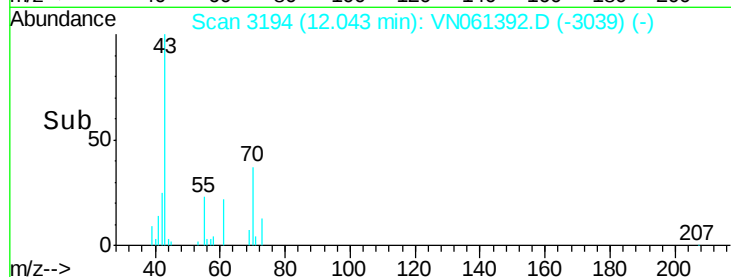
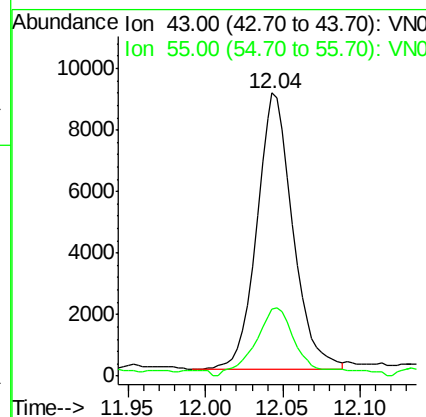
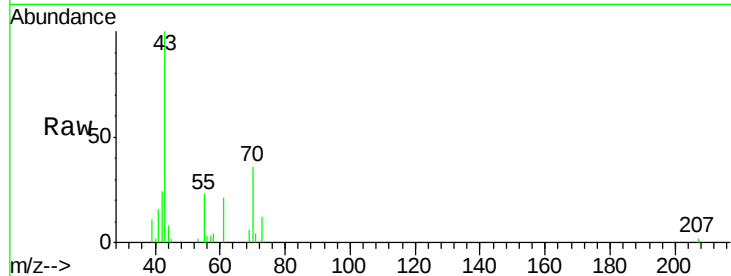
#47
n-amvl Acetate
Concen: 5.166 ug/l
RT: 12.04 min Scan# 3194
Delta R.T. -0.00 min
Lab File: VN061392.D
Acq: 14 May 2020 14:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion: 43 Resp: 14529
Ion Ratio Lower Upper
43 100
55 28.9 19.6 29.4

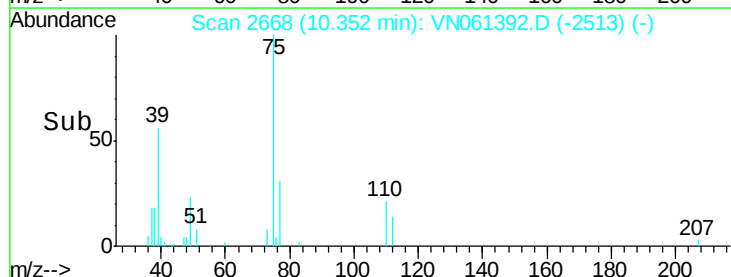
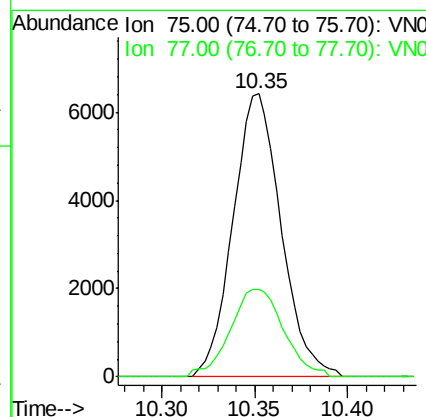
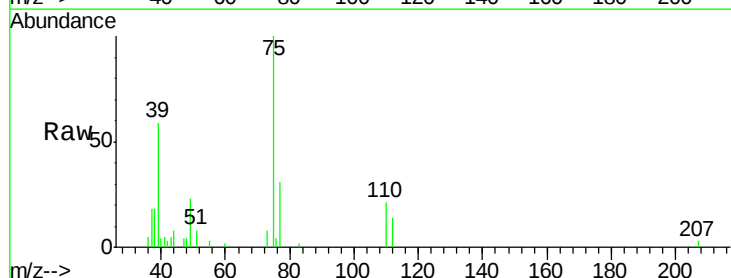
Manual Integrations
APPROVED

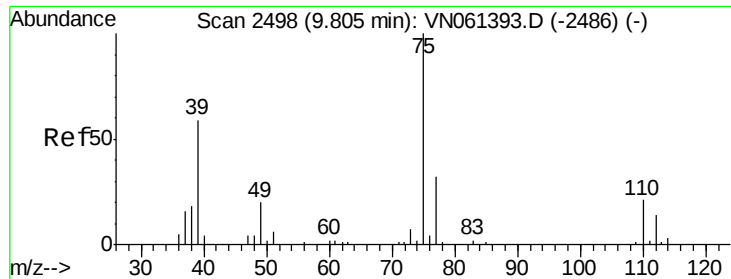
MMDadoda
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#48
t-1,3-Dichloropropene
Concen: 5.421 ug/l
RT: 10.35 min Scan# 2668
Delta R.T. -0.00 min
Lab File: VN061392.D
Acq: 14 May 2020 14:14

Tgt Ion: 75 Resp: 11561
Ion Ratio Lower Upper
75 100
77 31.0 27.0 40.4





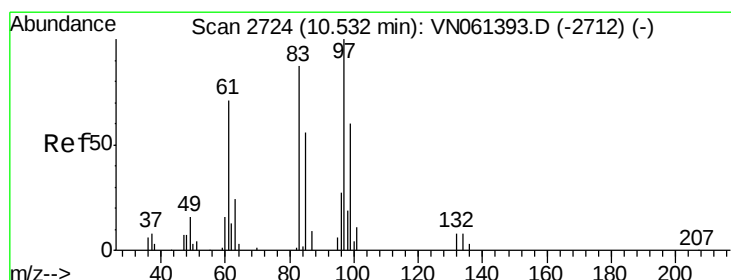
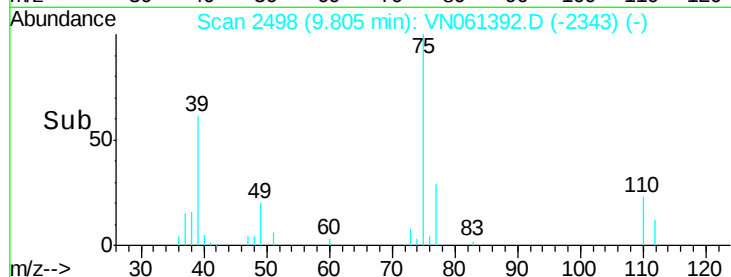
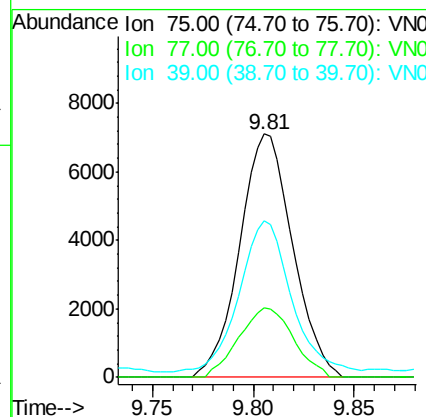
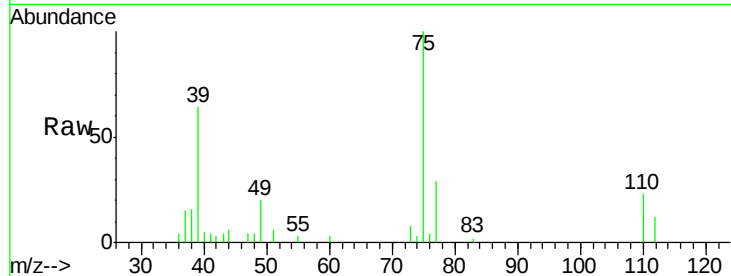
#49
 cis-1,3-Dichloropropene
 Concen: 5.849 ug/l
 RT: 9.81 min Scan# 2498
 Delta R.T. -0.00 min
 Lab File: VN061392.D
 Acq: 14 May 2020 14:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion:	75	Resp:	13053
Ion	Ratio	Lower	Upper
75	100		
77	28.8	26.1	39.1
39	60.5	43.1	64.7

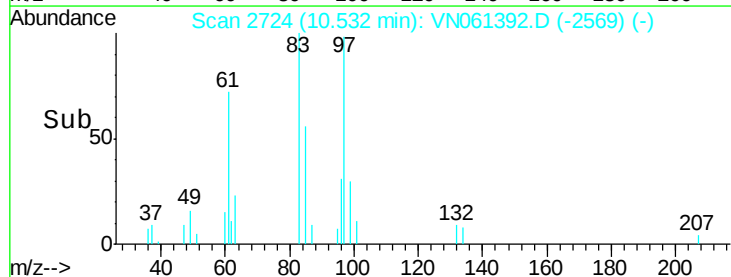
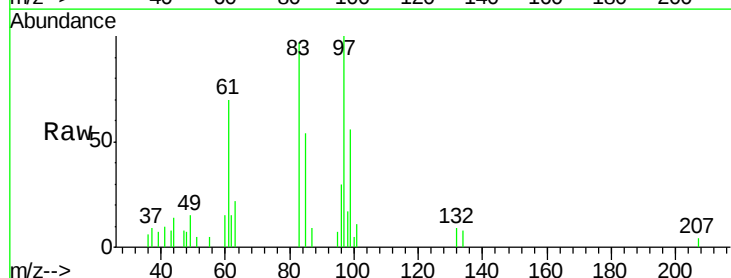
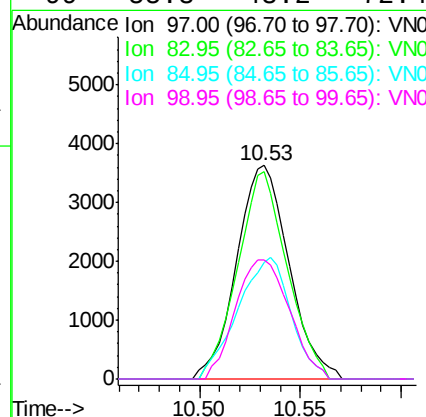
Manual Integrations
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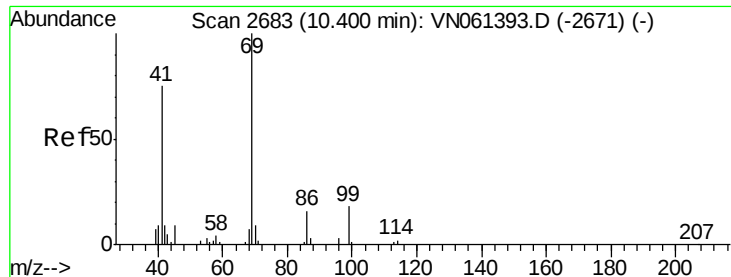
MMDadoda
 5/15/2020 2:10:35 PM



#50
 1,1,2-Trichloroethane
 Concen: 5.285 ug/l
 RT: 10.53 min Scan# 2724
 Delta R.T. -0.00 min
 Lab File: VN061392.D
 Acq: 14 May 2020 14:14

Tgt Ion:	97	Resp:	6587
Ion	Ratio	Lower	Upper
97	100		
83	97.2	70.7	106.1
85	54.4	45.1	67.7
99	55.8	48.2	72.4





#51

Ethyl methacrylate

Concen: 5.335 ug/l

RT: 10.40 min Scan# 2683

Delta R.T. -0.00 min

Lab File: VN061392.D

Acq: 14 May 2020 14:14

Instrument :

MSVOA_N

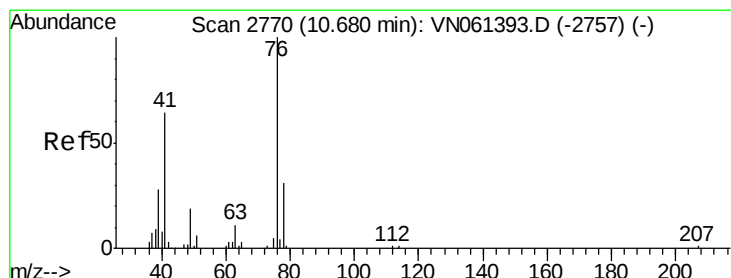
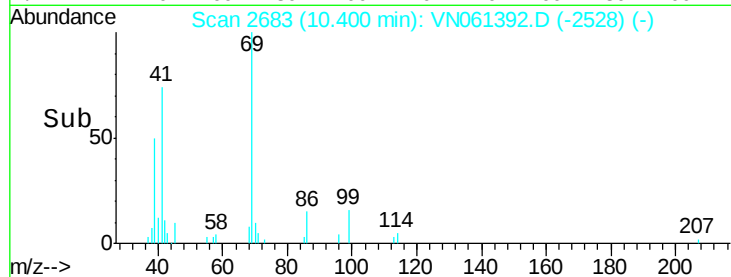
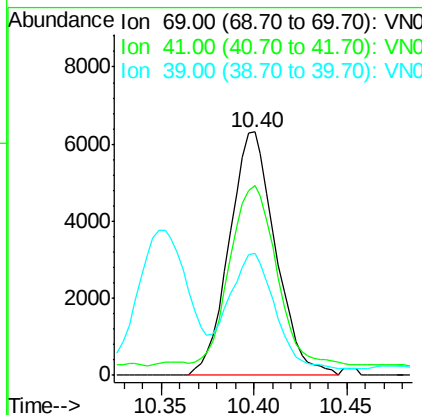
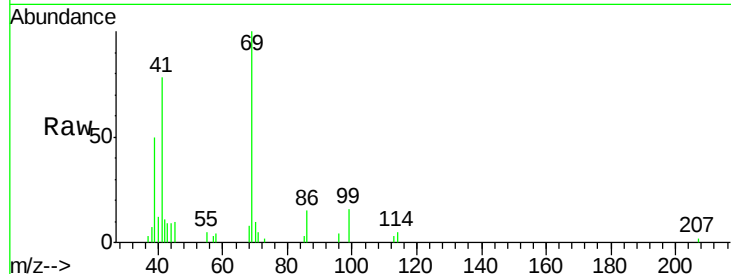
ClientSampleId :

VSTDIC005

Tot Ion:	69	Resp:	10896
Ion	Ratio	Lower	Upper
69	100		
41	73.0	34.7	104.1
39	47.3	20.3	60.8

Manual Integrations
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#52

1,3-Dichloropropane

Concen: 5.113 ug/l

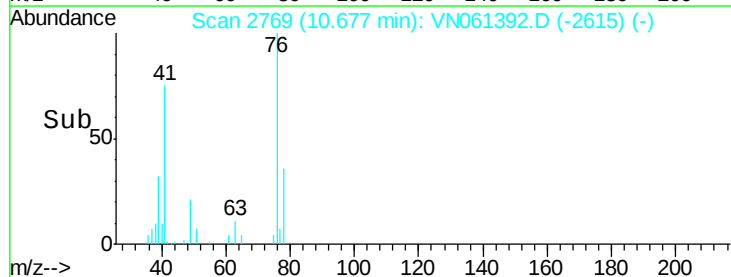
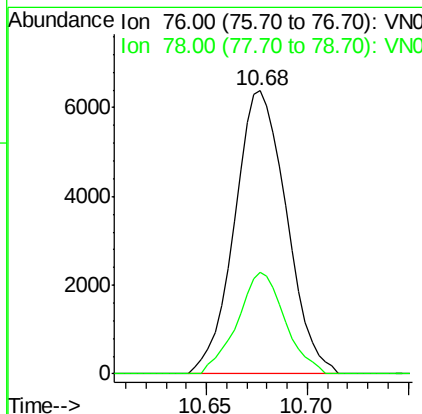
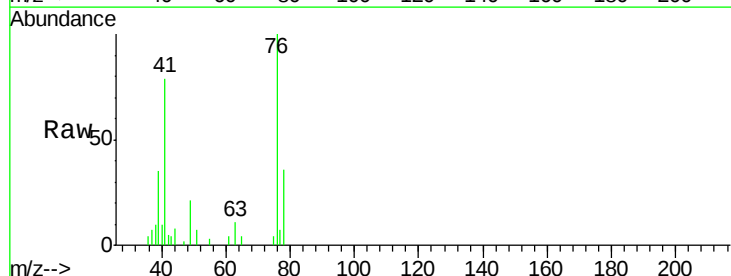
RT: 10.68 min Scan# 2769

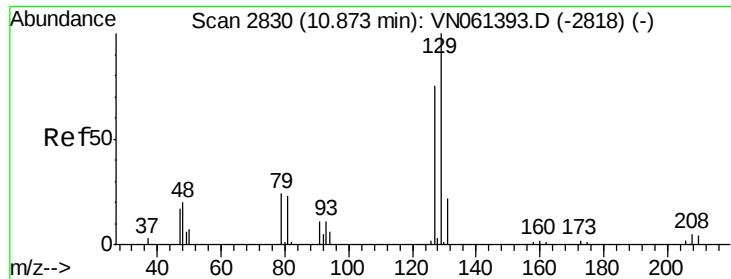
Delta R.T. -0.00 min

Lab File: VN061392.D

Acq: 14 May 2020 14:14

Tgt Ion:	76	Resp:	11504
Ion	Ratio	Lower	Upper
76	100		
78	32.8	0.0	63.2





#53

Dibromochloromethane

Concen: 4.969 ug/l

RT: 10.87 min Scan# 2830

Delta R.T. -0.00 min

Lab File: VN061392.D

Acq: 14 May 2020 14:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion:129 Resp: 6698

Ion Ratio Lower Upper

129 100

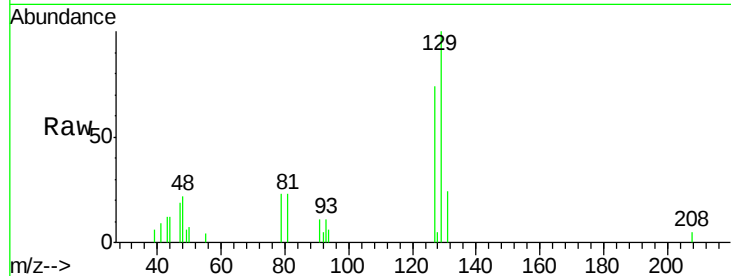
127 75.4 39.1 117.5

Manual Integrations

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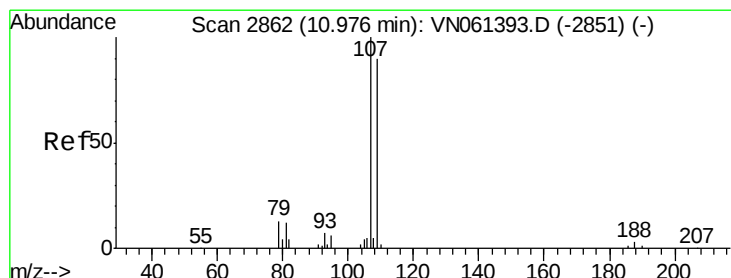
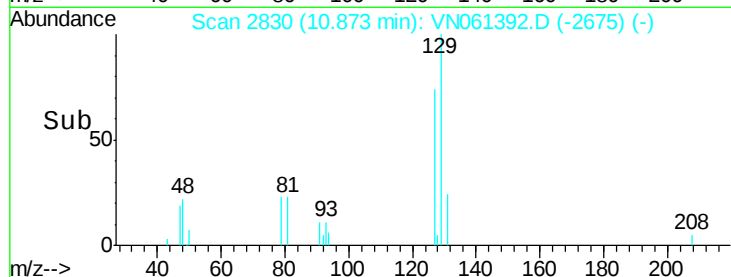
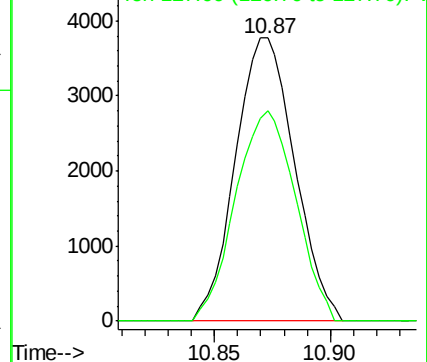
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Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#54

1,2-Dibromoethane

Concen: 5.159 ug/l

RT: 10.98 min Scan# 2862

Delta R.T. -0.00 min

Lab File: VN061392.D

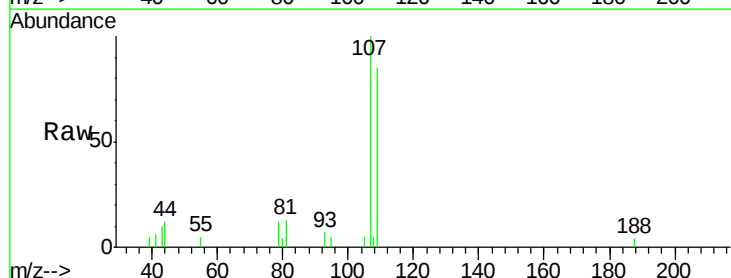
Acq: 14 May 2020 14:14

Tgt Ion:107 Resp: 6685

Ion Ratio Lower Upper

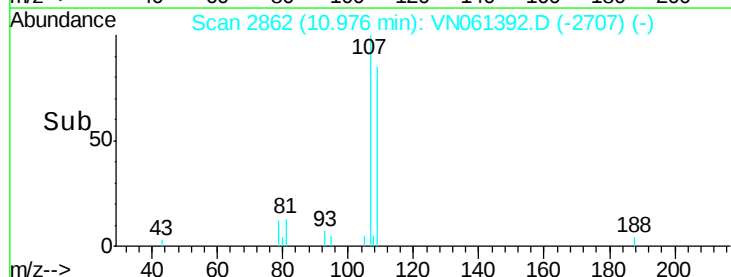
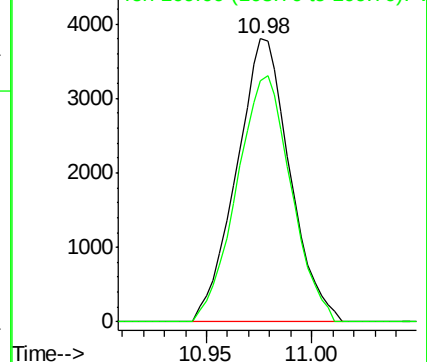
107 100

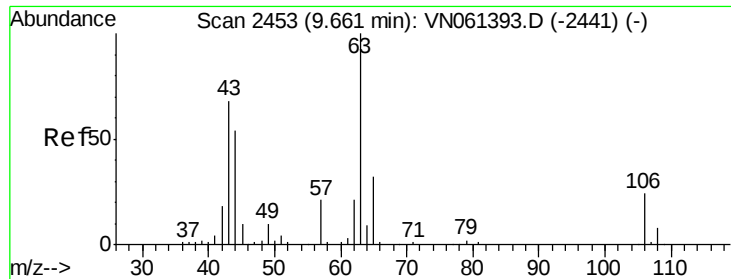
109 88.3 76.2 114.4



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V





#55

2-Chloroethyl vinyl ether

Concen: 24.609 ug/l

RT: 9.66 min Scan# 2453

Delta R.T. -0.00 min

Lab File: VN061392.D

Acq: 14 May 2020 14:14

Instrument :

MSVOA_N

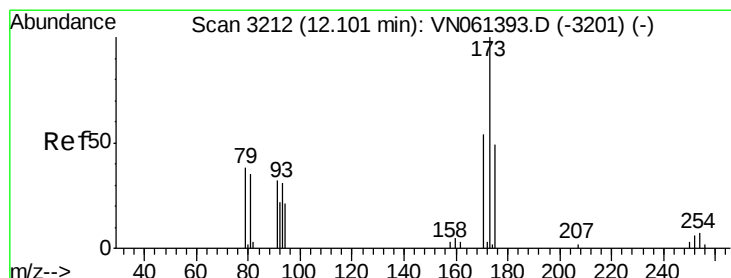
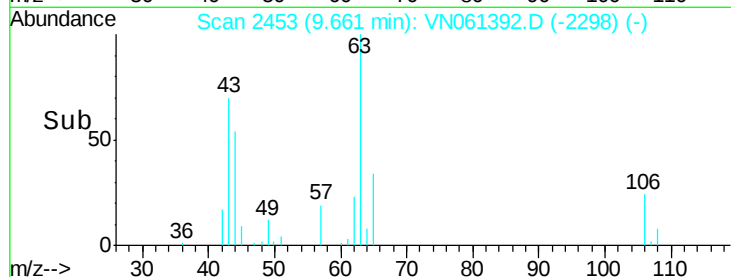
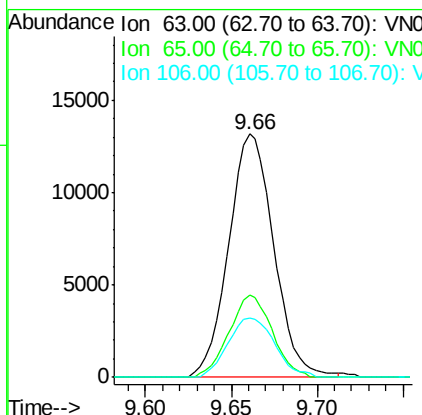
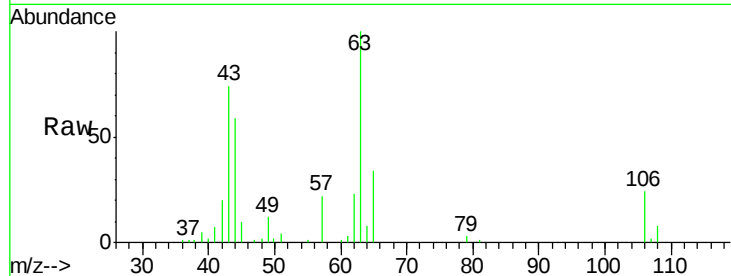
ClientSampleId :

VSTDIC005

Tot Ion:	63	Resp:	23991
Ion Ratio	Lower	Upper	
63	100		
65	32.4	25.3	37.9
106	25.3	19.8	29.6

Manual Integrations
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#56

Bromoform

Concen: 4.268 ug/l

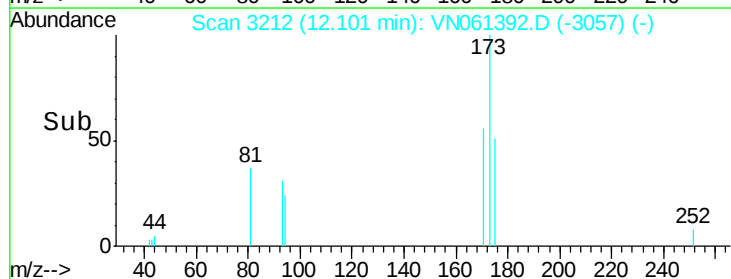
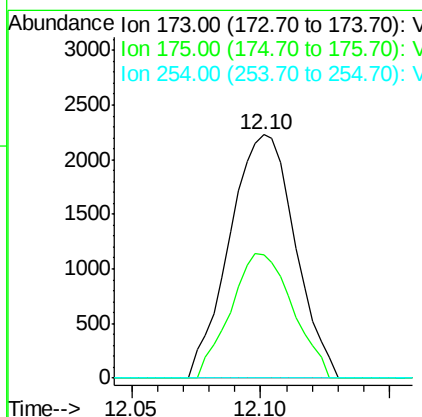
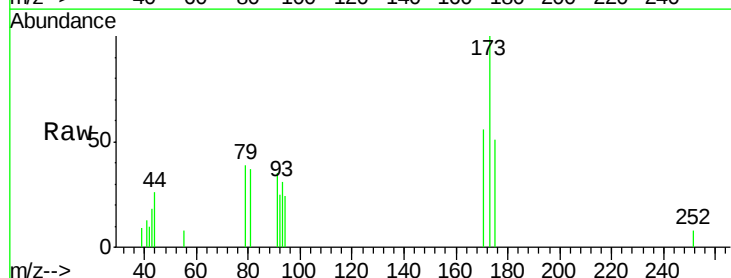
RT: 12.10 min Scan# 3212

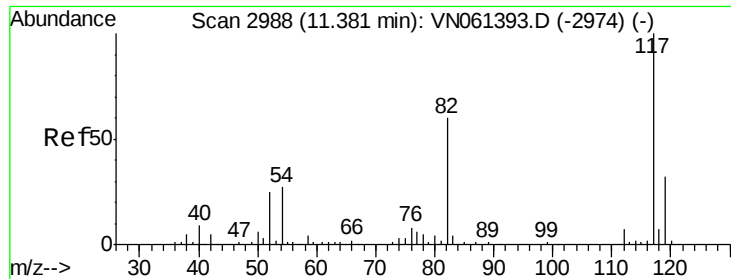
Delta R.T. -0.00 min

Lab File: VN061392.D

Acq: 14 May 2020 14:14

Tgt Ion:	173	Resp:	3928
Ion Ratio	Lower	Upper	
173	100		
175	48.6	38.7	58.1
254	0.0	7.4	11.2#





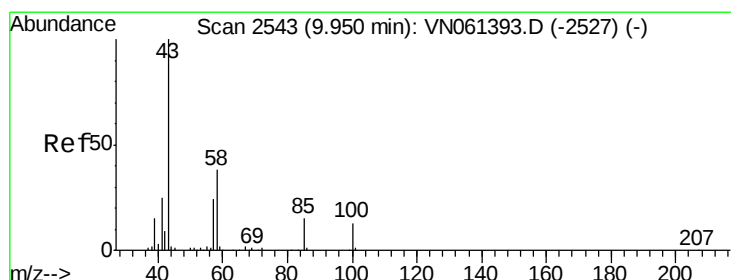
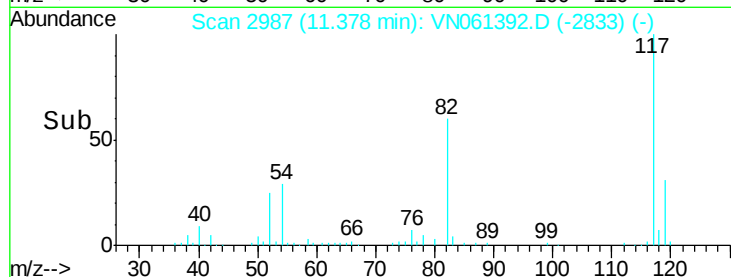
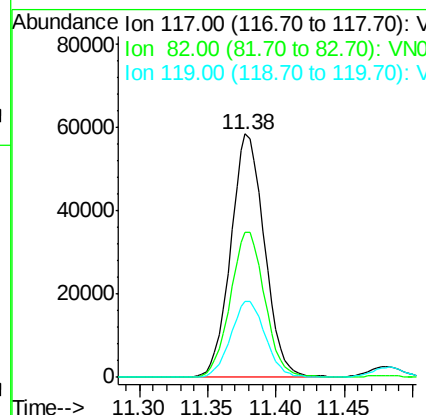
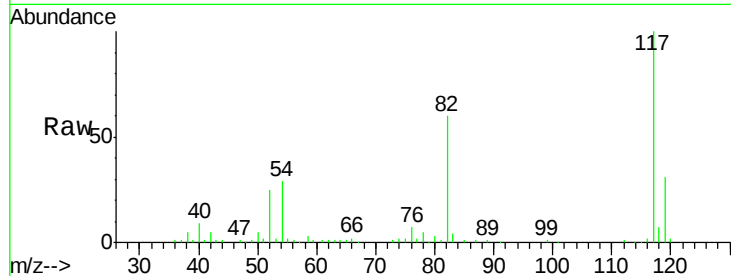
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.38 min Scan# 2987
Delta R.T. -0.00 min
Lab File: VN061392.D
Acq: 14 May 2020 14:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
117	100		
82	60.9	46.9	70.3
119	32.0	25.8	38.6

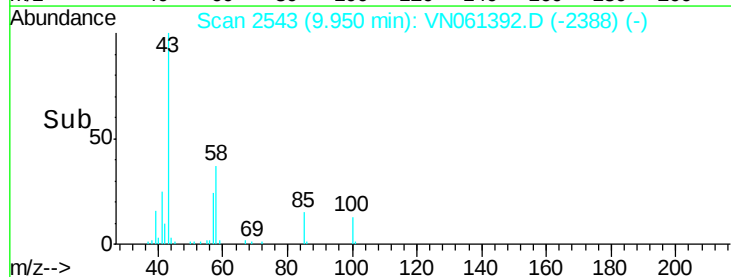
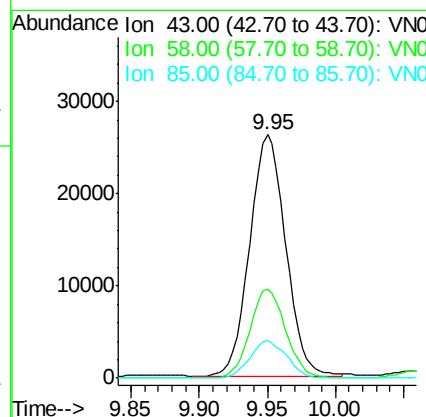
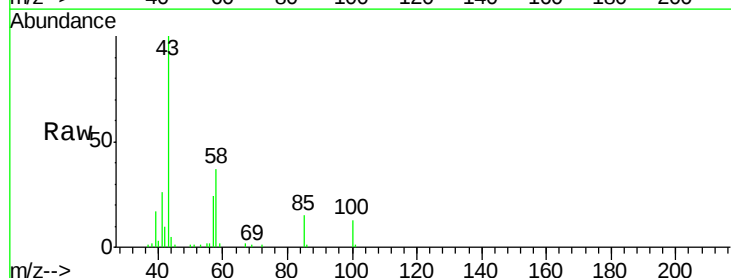
Manual Integrations
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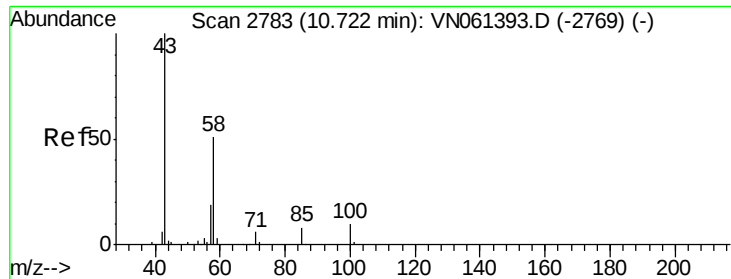
MMDadoda
5/15/2020 2:10:35 PM



#58
4-Methyl-2-Pentanone
Concen: 26.647 ug/l
RT: 9.95 min Scan# 2543
Delta R.T. -0.00 min
Lab File: VN061392.D
Acq: 14 May 2020 14:14

Tgt Ion	Ratio	Lower	Upper
43	100		
58	36.3	30.1	45.1
85	15.6	13.2	19.8





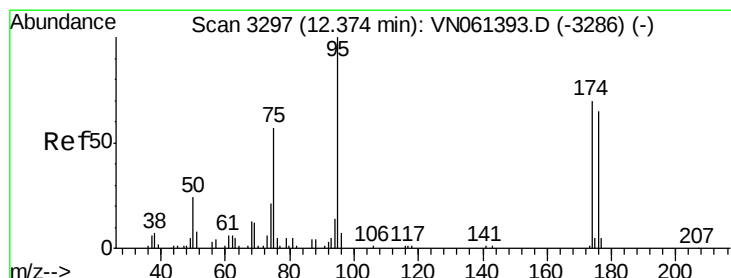
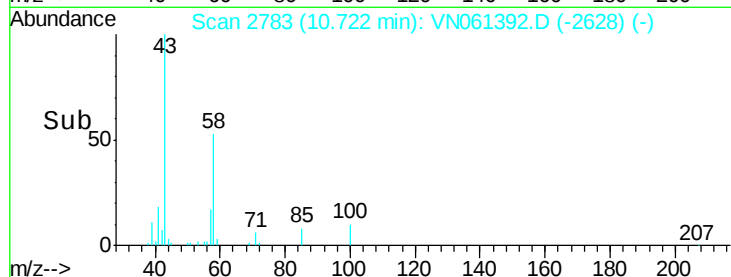
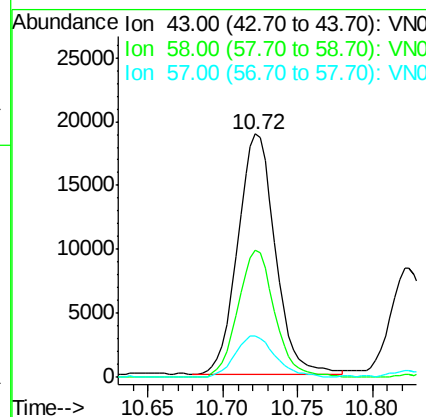
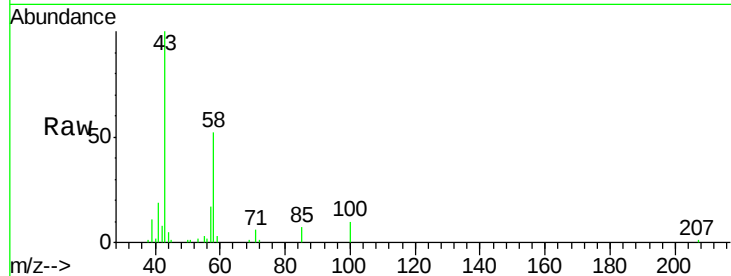
#59
2-Hexanone
Concen: 23.509 ug/l
RT: 10.72 min Scan# 2783
Delta R.T. -0.00 min
Lab File: VN061392.D
Acq: 14 May 2020 14:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
58	51.9	41.4	62.0
57	18.5	14.7	22.1

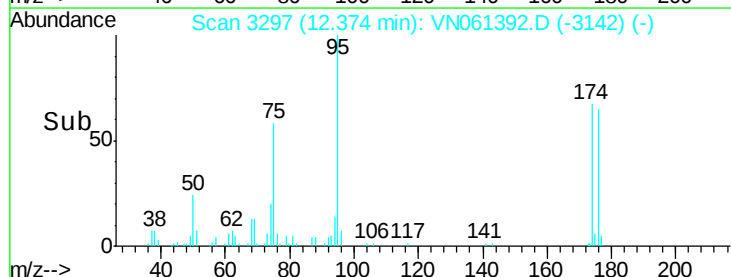
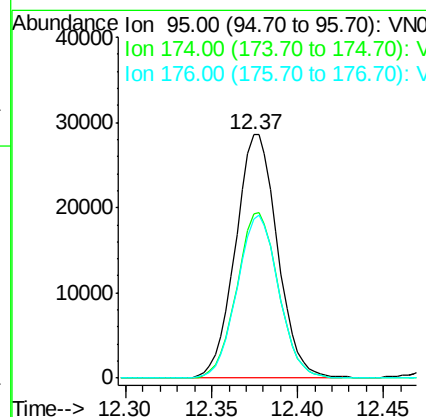
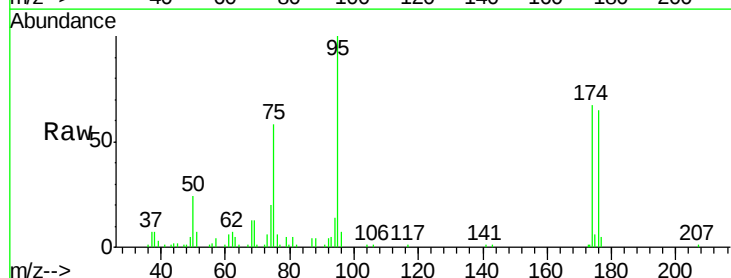
Manual Integrations
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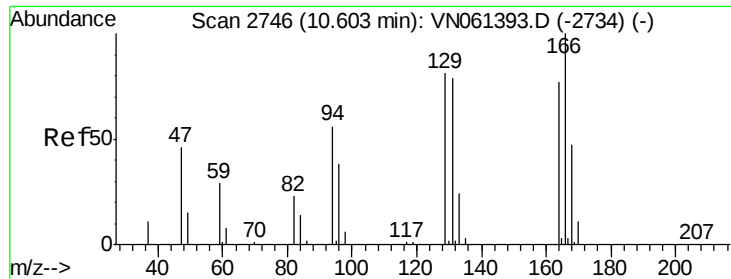
MMDadoda
5/15/2020 2:10:35 PM



#60
4-Bromofluorobenzene
Concen: 27.965 ug/l
RT: 12.37 min Scan# 3297
Delta R.T. -0.00 min
Lab File: VN061392.D
Acq: 14 May 2020 14:14

Tgt Ion	Ratio	Lower	Upper
95	100		
174	67.2	59.9	89.9
176	66.0	58.3	87.5





#61

Tetrachloroethene

Concen: 5.527 ug/l

RT: 10.60 min Scan# 2746

Delta R.T. -0.00 min

Lab File: VN061392.D

Acq: 14 May 2020 14:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion:164 Resp: 6070

Ion Ratio Lower Upper

164 100

166 134.6 101.4 152.2

129 103.9 78.1 117.1

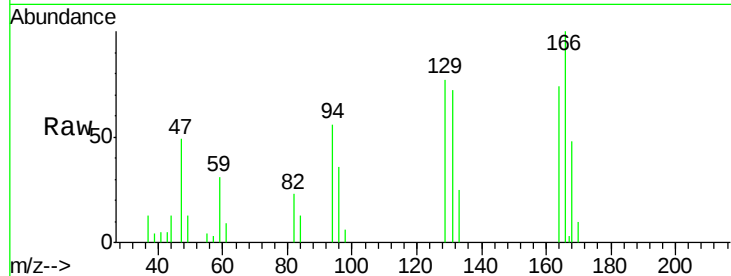
131 97.3 73.2 109.8

Manual Integrations

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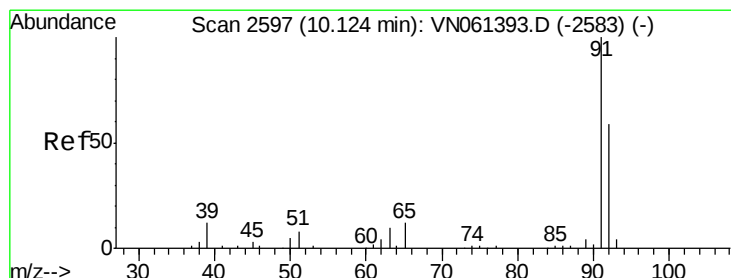
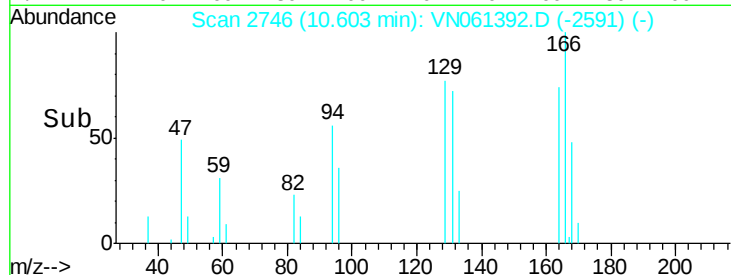
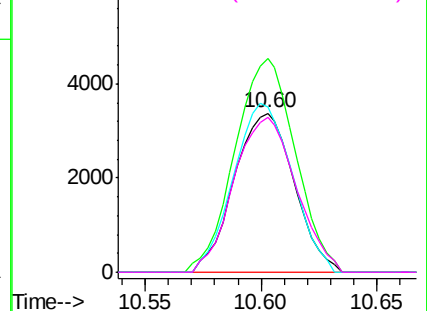


Abundance Ion 163.85 (163.55 to 164.55): V

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: 5.426 ug/l

RT: 10.12 min Scan# 2597

Delta R.T. -0.00 min

Lab File: VN061392.D

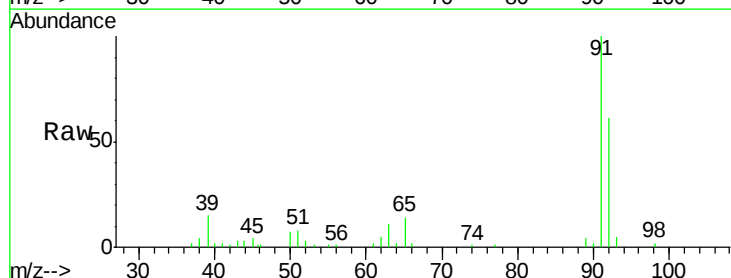
Acq: 14 May 2020 14:14

Tgt Ion: 91 Resp: 29278

Ion Ratio Lower Upper

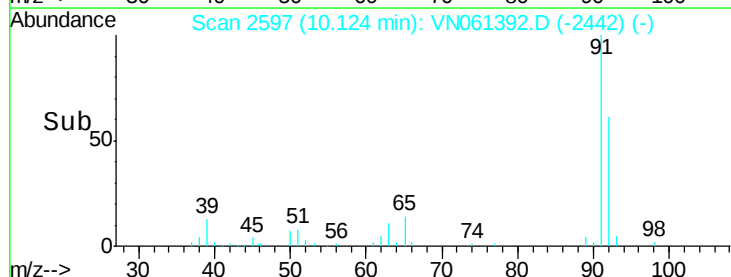
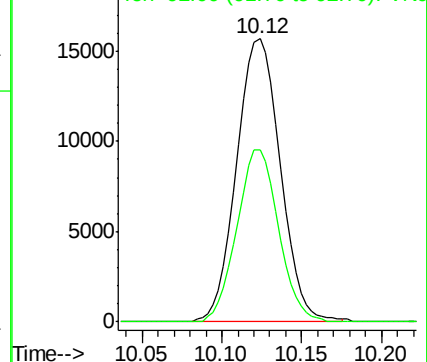
91 100

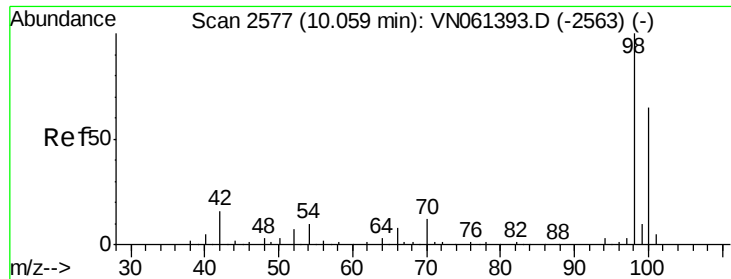
92 57.7 45.4 68.2



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V





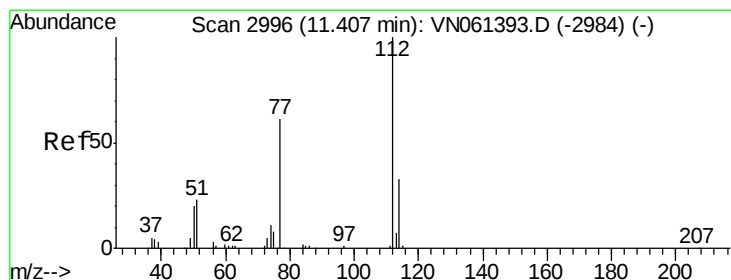
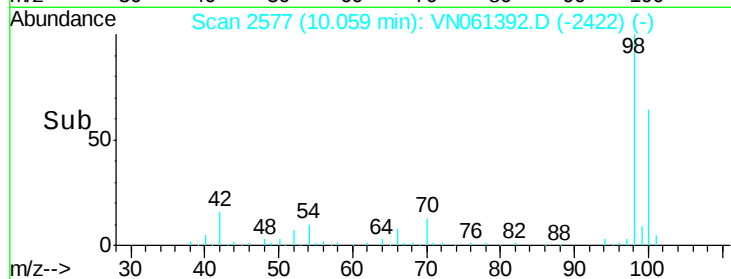
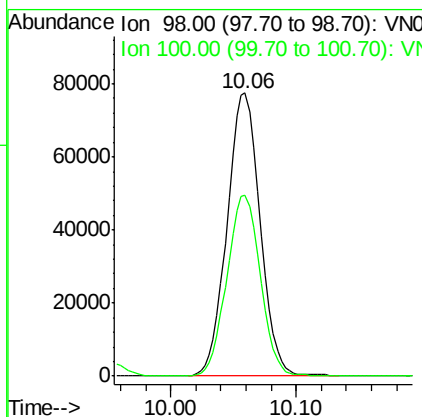
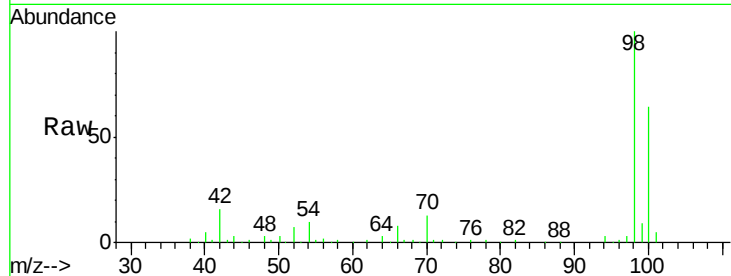
#63
Toluene-d8
Concen: 30.152 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. -0.00 min
Lab File: VN061392.D
Acq: 14 May 2020 14:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion: 98 Resp: 141788
Ion Ratio Lower Upper
98 100
100 64.7 50.6 75.8

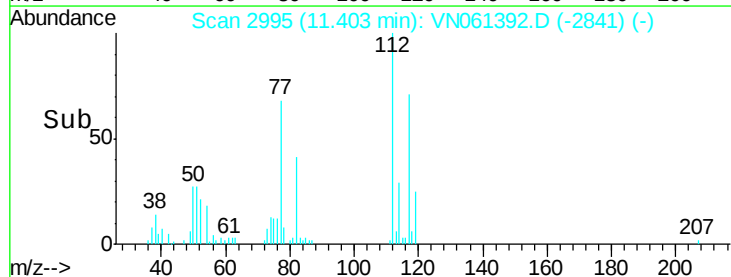
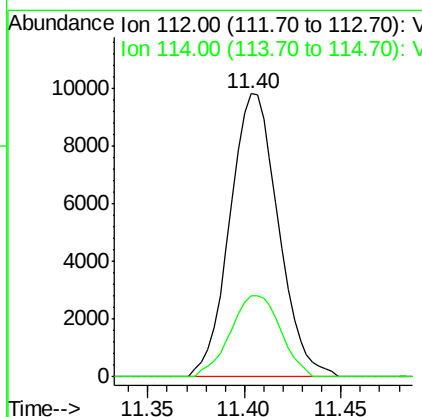
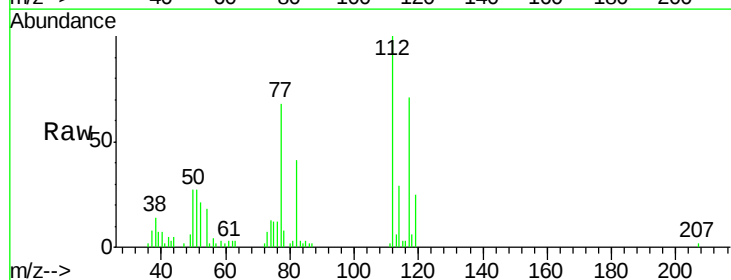
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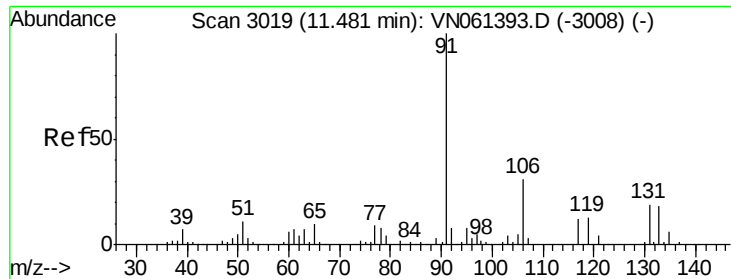
MMDadoda
5/15/2020 2:10:35 PM



#64
Chlorobenzene
Concen: 5.234 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. -0.00 min
Lab File: VN061392.D
Acq: 14 May 2020 14:14

Tgt Ion: 112 Resp: 17140
Ion Ratio Lower Upper
112 100
114 28.5 25.7 38.5





#65

1,1,1,2-Tetrachloroethane

Concen: 5.014 ug/l

RT: 11.48 min Scan# 3019

Delta R.T. -0.00 min

Lab File: VN061392.D

Acq: 14 May 2020 14:14

Instrument :

MSVOA_N

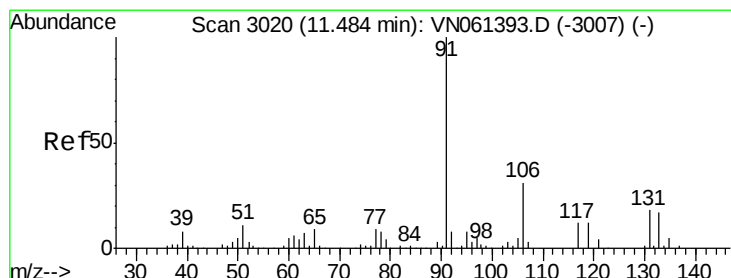
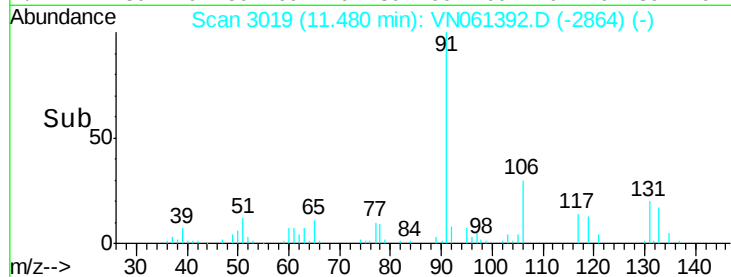
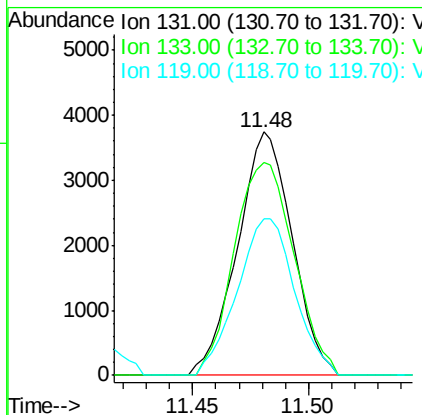
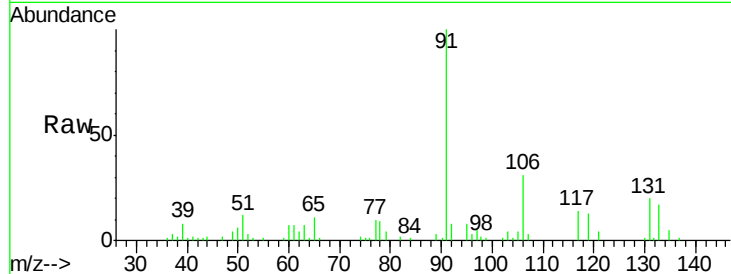
ClientSampled :

VSTDIC005

Tot Ion	Ratio	Lower	Upper
131	100		
133	95.6	0.0	194.0
119	67.5	0.0	136.8

Manual Integrations
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#66

Ethyl Benzene

Concen: 5.616 ug/l

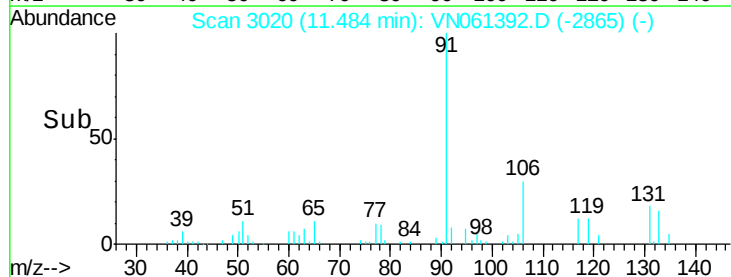
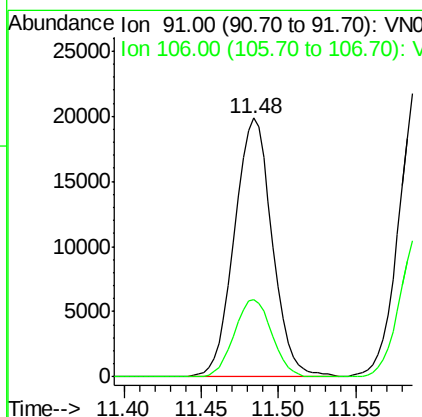
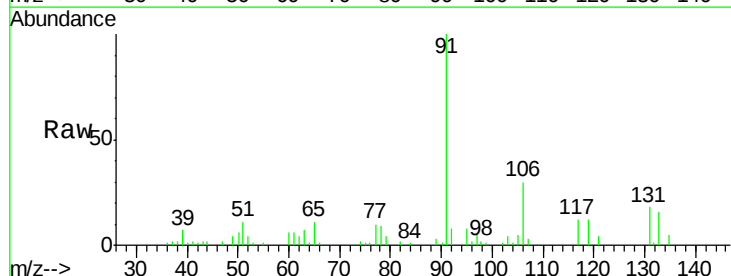
RT: 11.48 min Scan# 3020

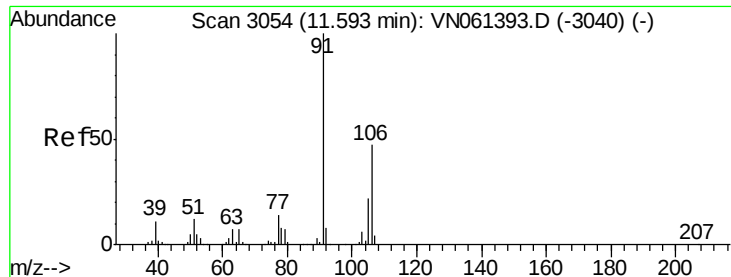
Delta R.T. -0.00 min

Lab File: VN061392.D

Acq: 14 May 2020 14:14

Tgt Ion	Ratio	Lower	Upper
91	100		
106	29.9	24.2	36.4





#67

m/p-Xvlenes

Concen: 10.709 ug/l

RT: 11.59 min Scan# 3054

Delta R.T. -0.00 min

Lab File: VN061392.D

Acq: 14 May 2020 14:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion:106 Resp: 23993

Ion Ratio Lower Upper

106 100

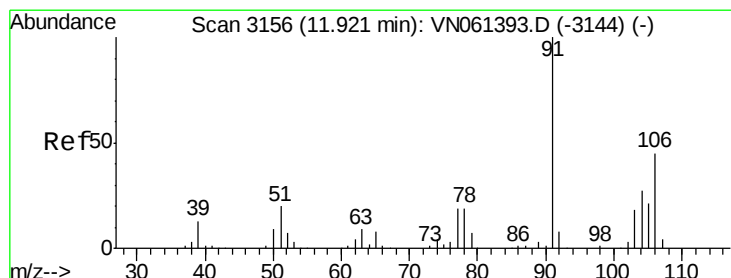
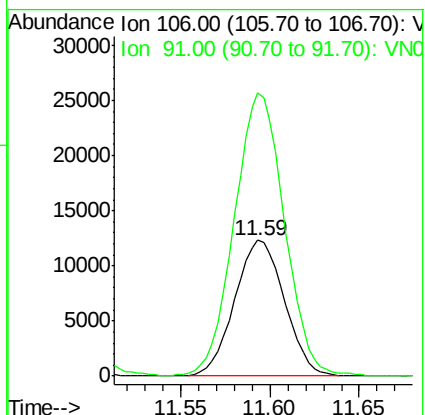
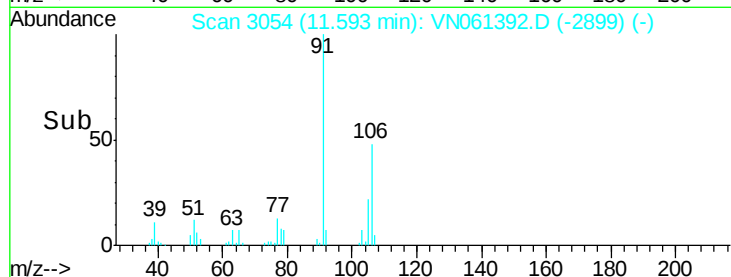
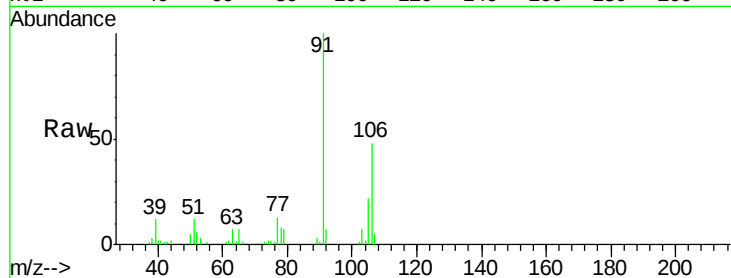
91 209.7 165.6 248.4

Manual Integrations

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#68

o-Xylene

Concen: 5.164 ug/l

RT: 11.92 min Scan# 3156

Delta R.T. -0.00 min

Lab File: VN061392.D

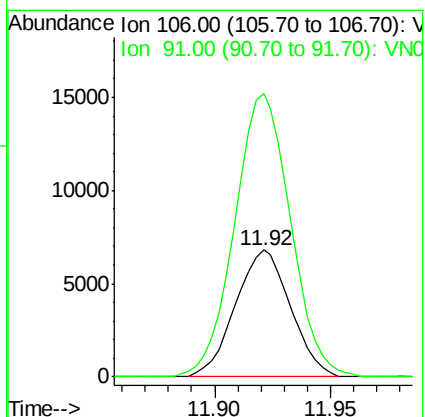
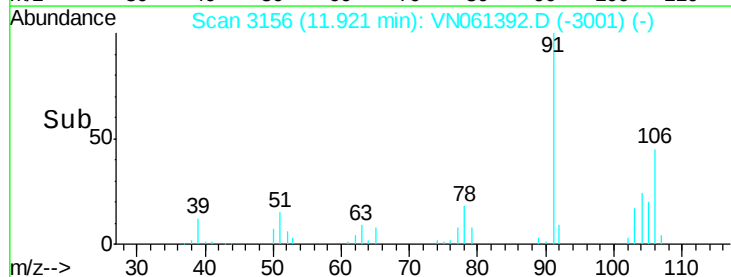
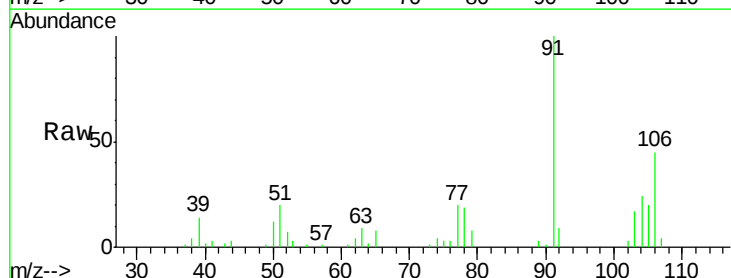
Acq: 14 May 2020 14:14

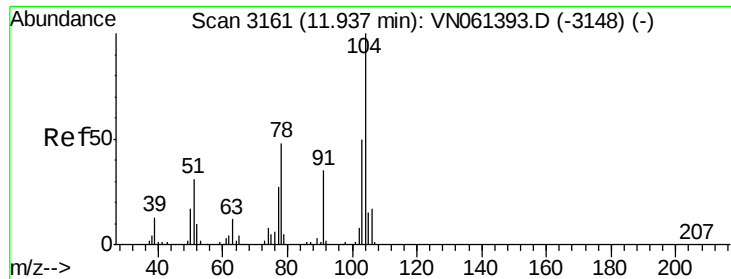
Tgt Ion:106 Resp: 11227

Ion Ratio Lower Upper

106 100

91 226.3 109.8 329.4





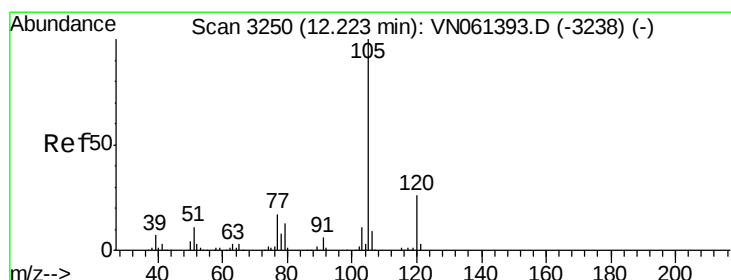
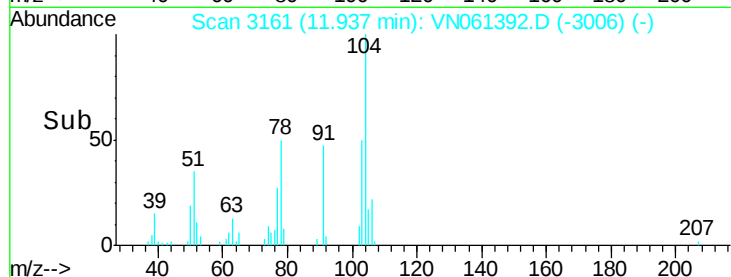
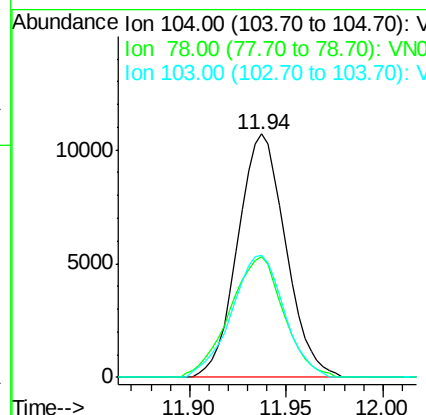
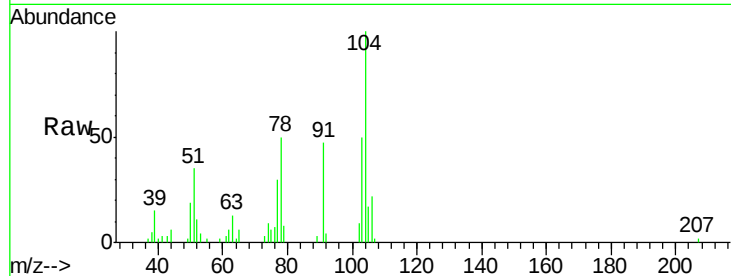
#69
Stvrene
Concen: 5.116 ug/l
RT: 11.94 min Scan# 3161
Delta R.T. -0.00 min
Lab File: VN061392.D
Acq: 14 May 2020 14:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
104	100		
78	55.9	42.4	63.6
103	55.0	44.6	66.8

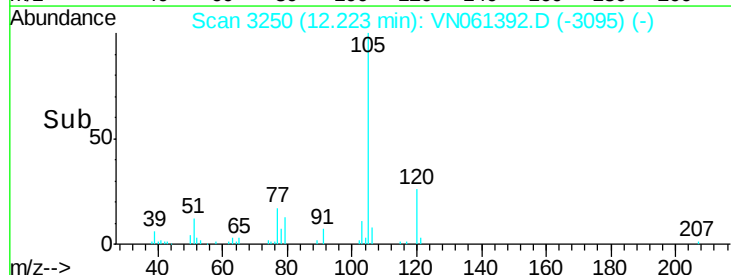
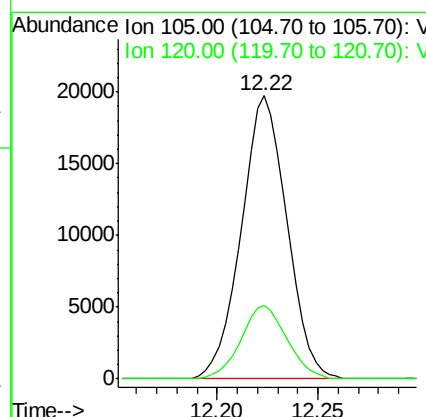
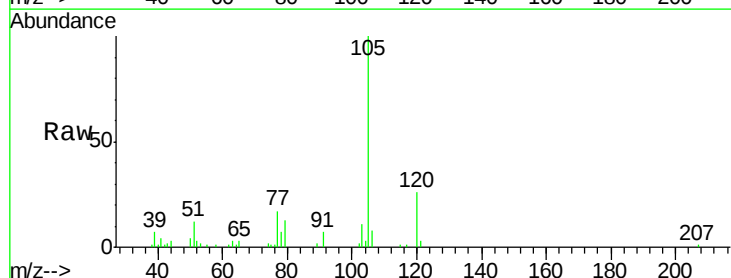
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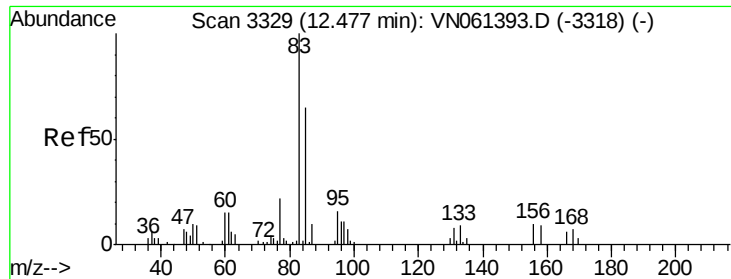
MMDadoda
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#70
Isopropylbenzene
Concen: 5.353 ug/l
RT: 12.22 min Scan# 3250
Delta R.T. -0.00 min
Lab File: VN061392.D
Acq: 14 May 2020 14:14

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.1	18.4	34.2





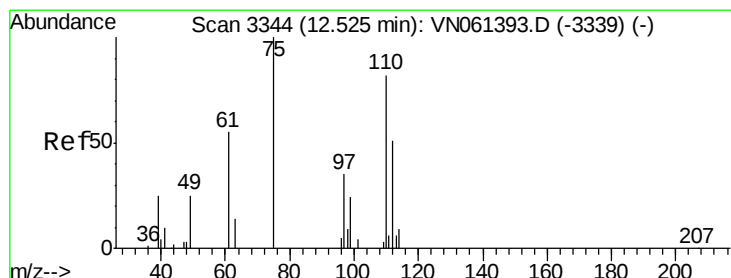
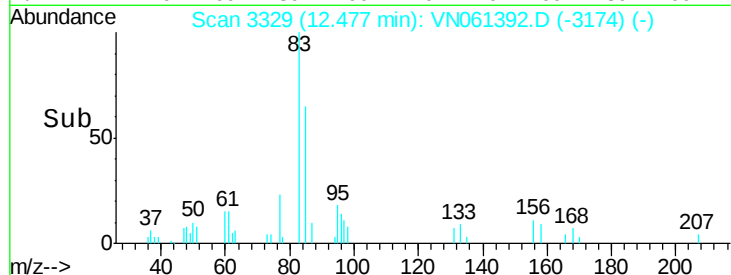
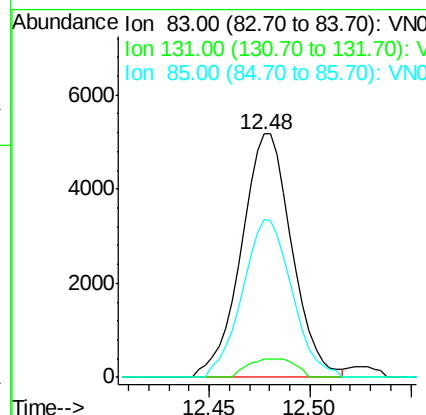
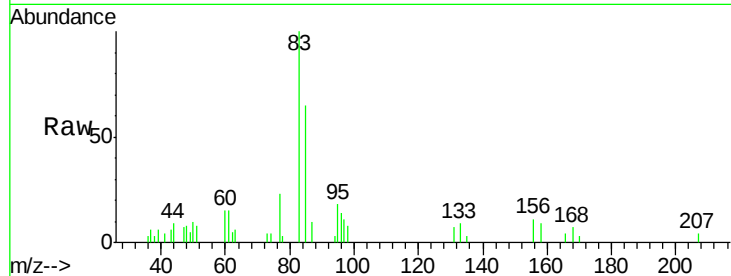
#71
 1,1,2,2-Tetrachloroethane
 Concen: 4.763 ug/l
 RT: 12.48 min Scan# 3329
 Delta R.T. -0.00 min
 Lab File: VN061392.D
 Acq: 14 May 2020 14:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
83	100		
131	7.1	4.9	14.7
85	63.5	31.6	94.7

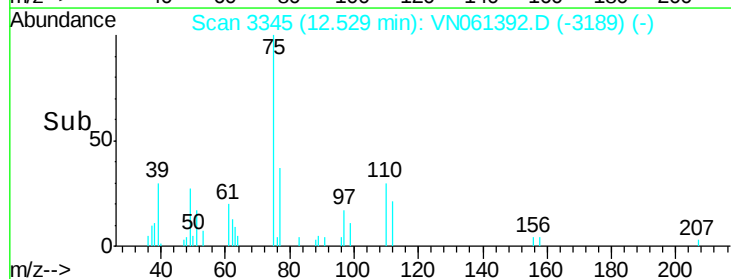
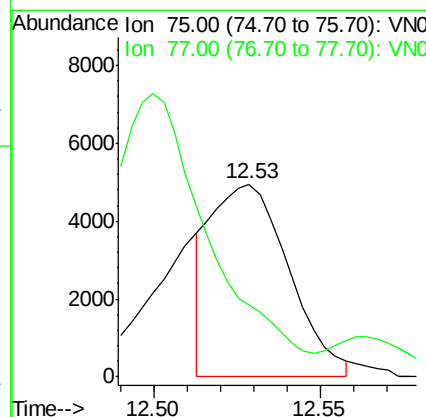
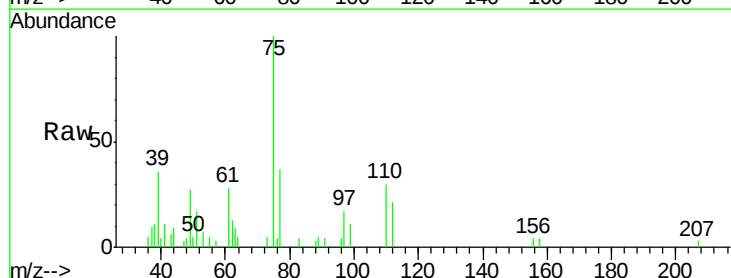
Manual Integrations
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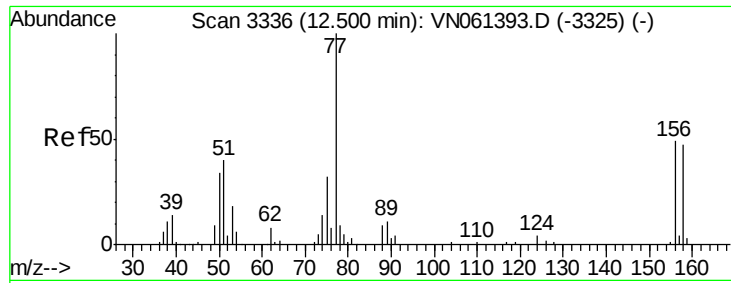
MMDadoda
 5/15/2020 2:10:35 PM



#72
 1,2,3-Trichloropropane
 Concen: 4.632 ug/l m
 RT: 12.53 min Scan# 3345
 Delta R.T. 0.00 min
 Lab File: VN061392.D
 Acq: 14 May 2020 14:14

Tgt Ion	Ratio	Lower	Upper
75	100		
77	189.9	0.0	359.4





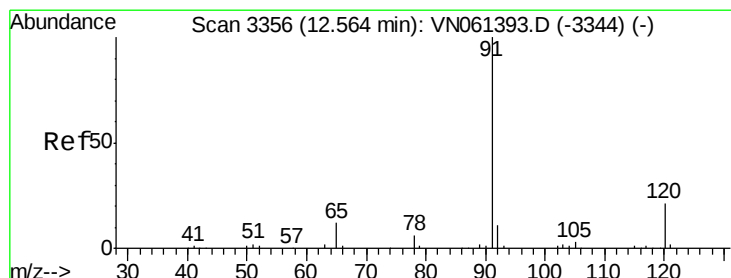
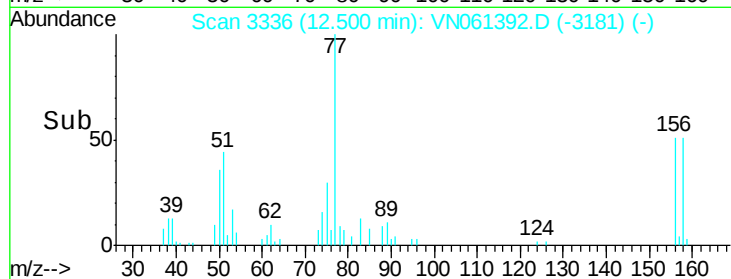
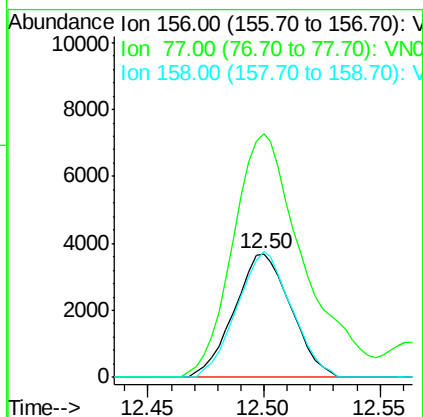
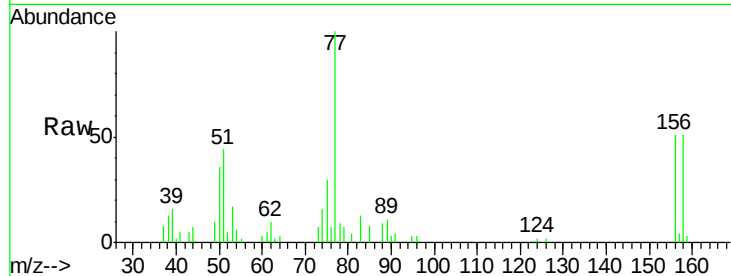
#73
Bromobenzene
Concen: 4.540 ug/l
RT: 12.50 min Scan# 3336
Delta R.T. -0.00 min
Lab File: VN061392.D
Acq: 14 May 2020 14:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
156	100		
77	246.2	0.0	456.0
158	97.9	0.0	195.4

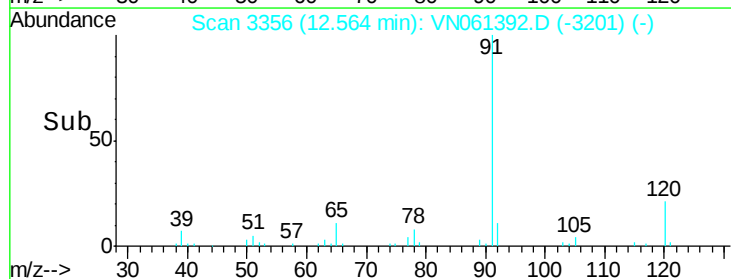
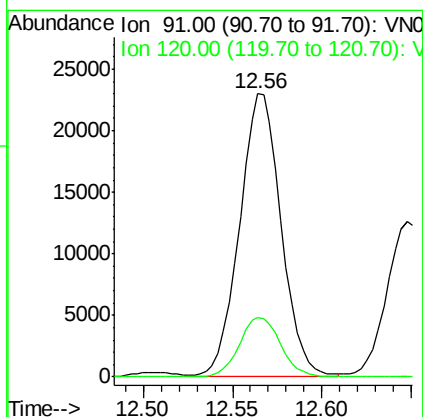
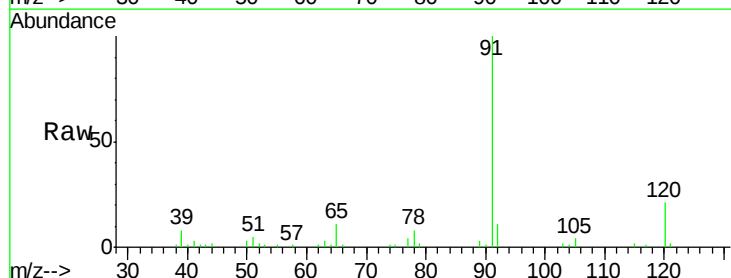
Manual Integrations
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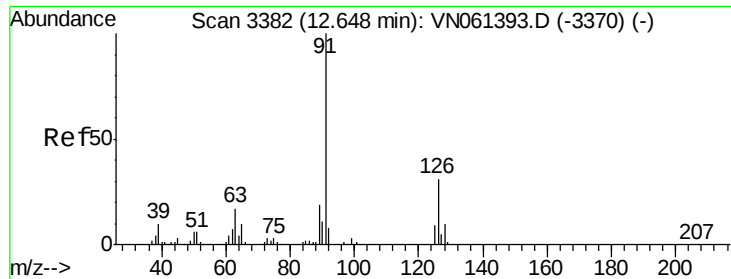
MMDadoda
5/15/2020 2:10:35 PM



#74
n-propylbenzene
Concen: 5.428 ug/l
RT: 12.56 min Scan# 3356
Delta R.T. -0.00 min
Lab File: VN061392.D
Acq: 14 May 2020 14:14

Tgt Ion	Ratio	Lower	Upper
91	100		
120	20.8	0.0	43.6





#75

2-Chlorotoluene

Concen: 5.089 ug/l

RT: 12.65 min Scan# 3382

Delta R.T. -0.00 min

Lab File: VN061392.D

Acq: 14 May 2020 14:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 91 Resp: 20880

Ion Ratio Lower Upper

91 100

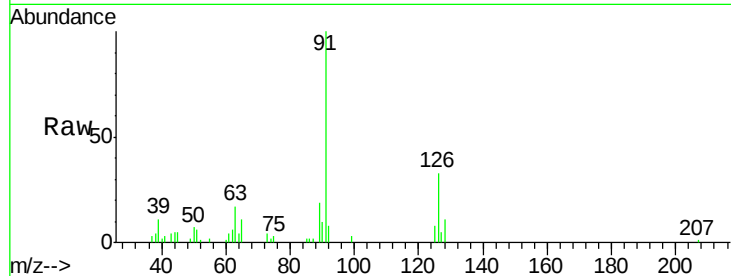
126 31.7 0.0 65.4

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VN061392.D (-3370) (-)

Ion 126.00 (125.70 to 126.70): VN061392.D (-3370) (-)

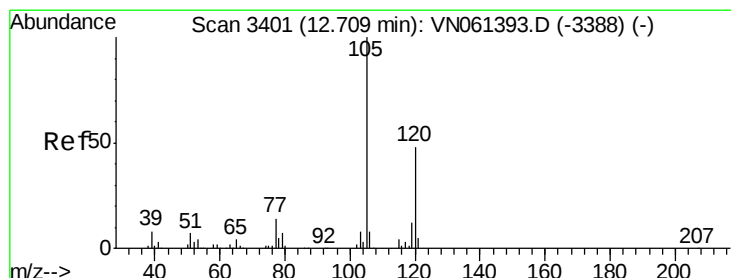
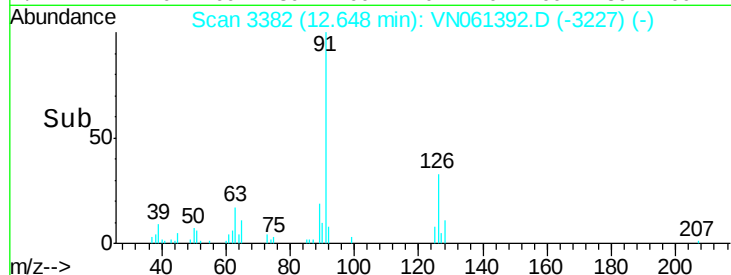
12.65

10000

5000

0

Time-->



#76

1,3,5-Trimethylbenzene

Concen: 5.144 ug/l

RT: 12.71 min Scan# 3401

Delta R.T. -0.00 min

Lab File: VN061392.D

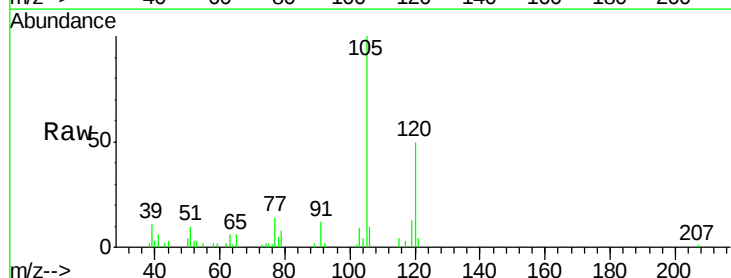
Acq: 14 May 2020 14:14

Tgt Ion: 105 Resp: 25647

Ion Ratio Lower Upper

105 100

120 48.7 0.0 94.0



Abundance Ion 105.00 (104.70 to 105.70): VN061392.D (-3388) (-)

Ion 120.00 (119.70 to 120.70): VN061392.D (-3388) (-)

12.71

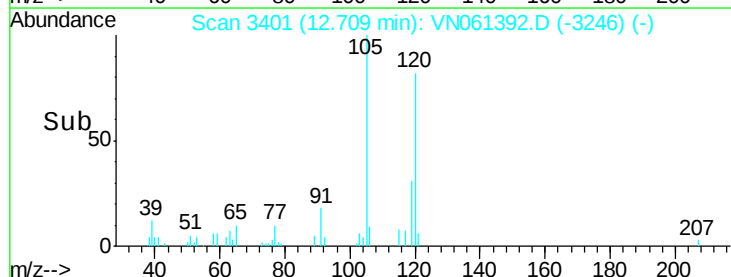
15000

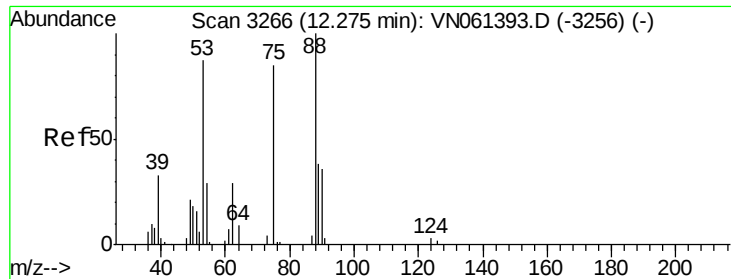
10000

5000

0

Time-->





#77

t-1,4-Dichloro-2-butene

Concen: 4.695 ug/l

RT: 12.28 min Scan# 3267

Delta R.T. 0.00 min

Lab File: VN061392.D

Acq: 14 May 2020 14:14

Instrument :

MSVOA_N

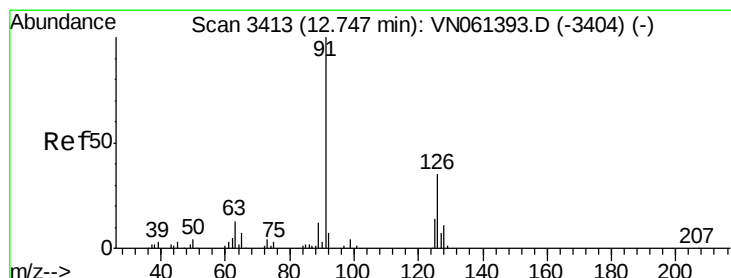
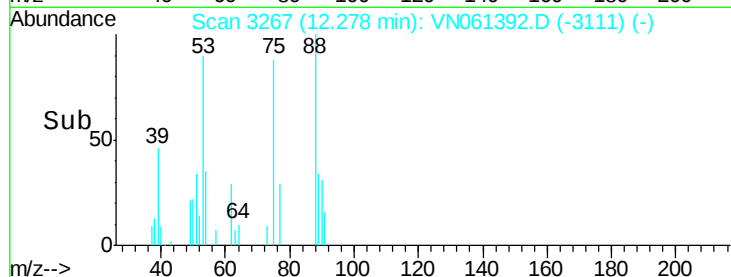
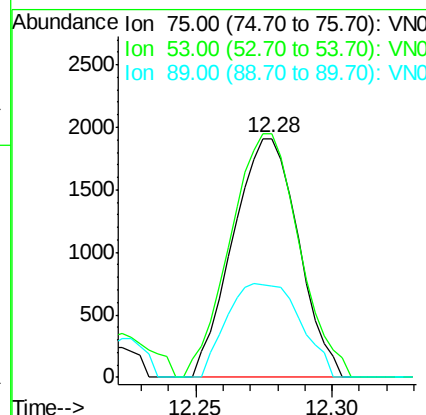
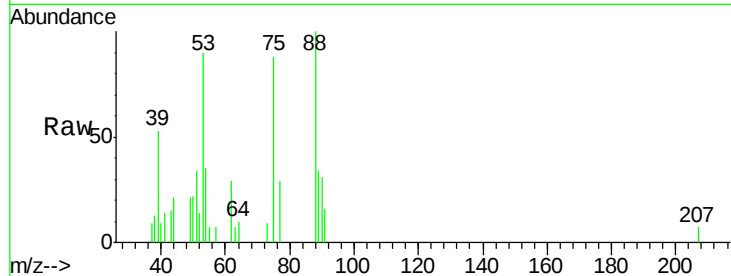
ClientSampleId :

VSTDIC005

Tot Ion:	75	Resp:	3175
Ion	Ratio	Lower	Upper
75	100		
53	94.1	50.0	150.0
89	38.5	20.7	62.1

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#78

4-Chlorotoluene

Concen: 4.997 ug/l

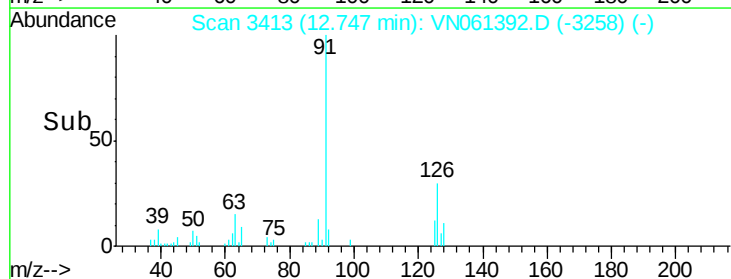
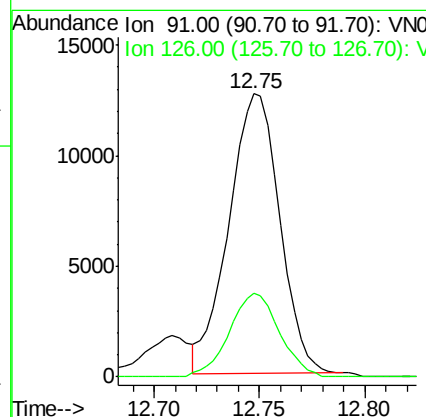
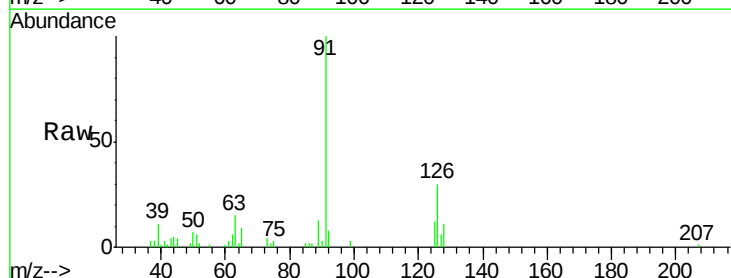
RT: 12.75 min Scan# 3413

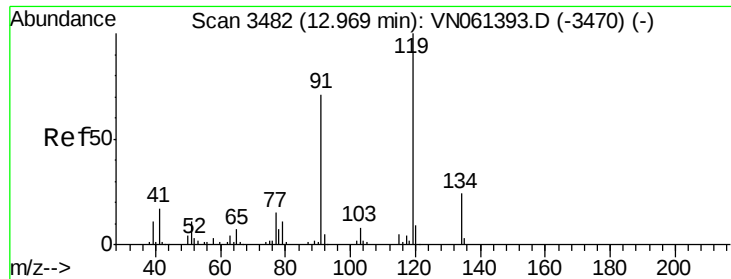
Delta R.T. -0.00 min

Lab File: VN061392.D

Acq: 14 May 2020 14:14

Tgt Ion:	91	Resp:	21178
Ion	Ratio	Lower	Upper
91	100		
126	29.4	0.0	63.4





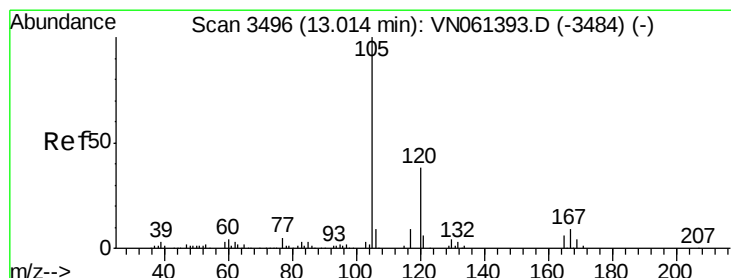
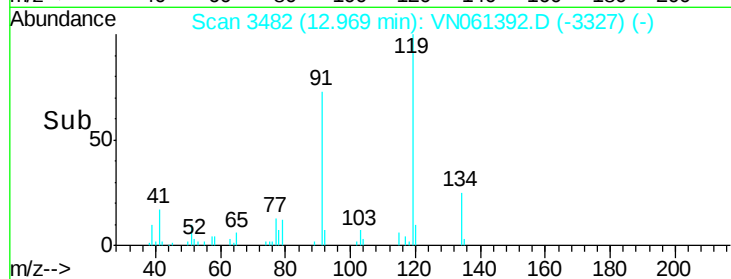
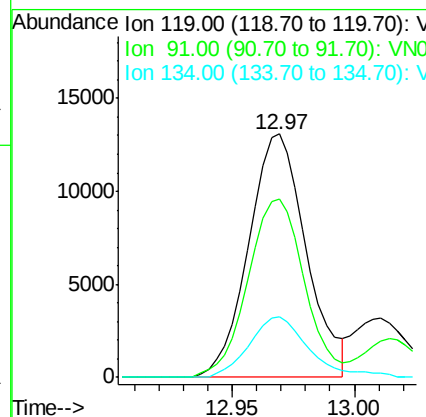
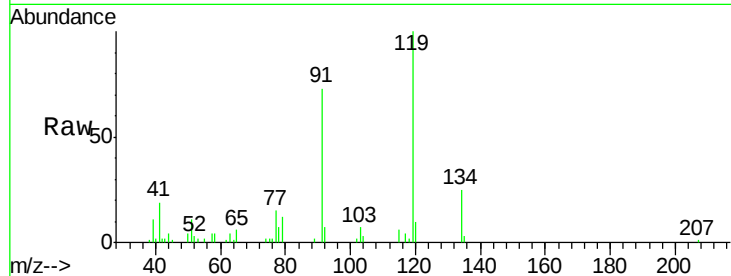
#79
tert-butylbenzene
Concen: 5.050 ug/l
RT: 12.97 min Scan# 3482
Delta R.T. -0.00 min
Lab File: VN061392.D
Acq: 14 May 2020 14:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
119	100		
91	71.5	0.0	136.4
134	25.7	0.0	47.2

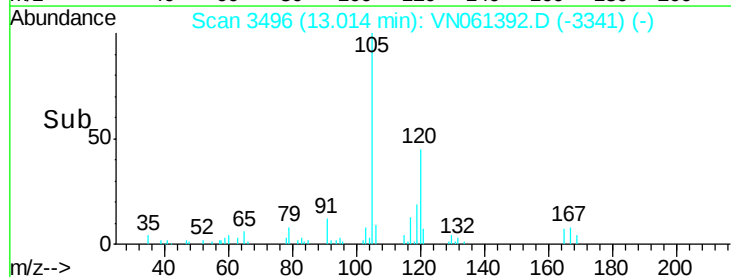
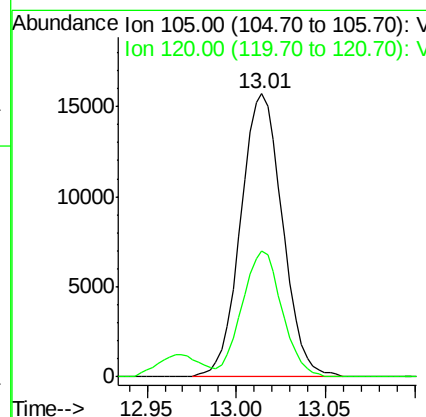
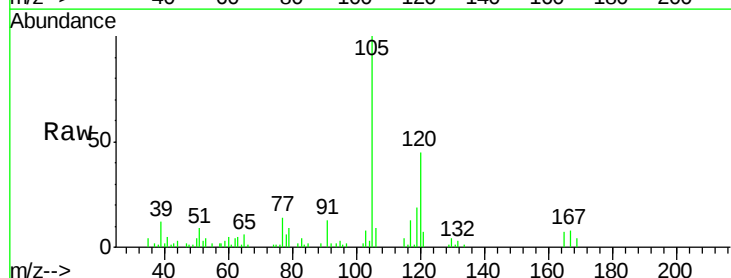
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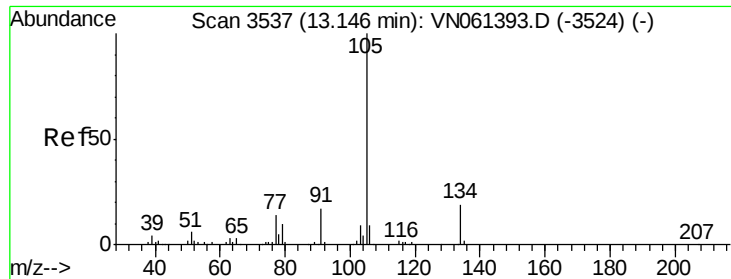
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#80
1,2,4-Trimethylbenzene
Concen: 5.198 ug/l
RT: 13.01 min Scan# 3496
Delta R.T. -0.00 min
Lab File: VN061392.D
Acq: 14 May 2020 14:14

Tgt Ion	Ratio	Lower	Upper
105	100		
120	42.7	0.0	89.2





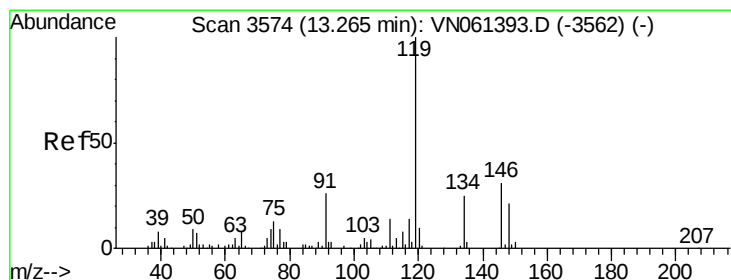
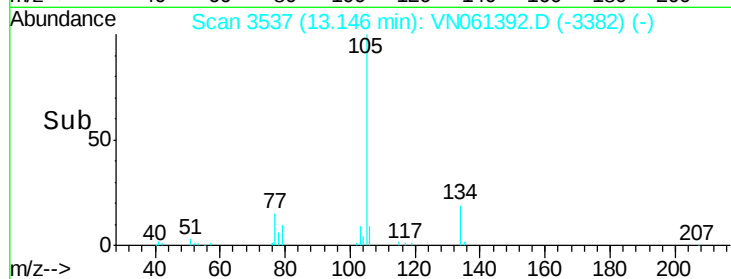
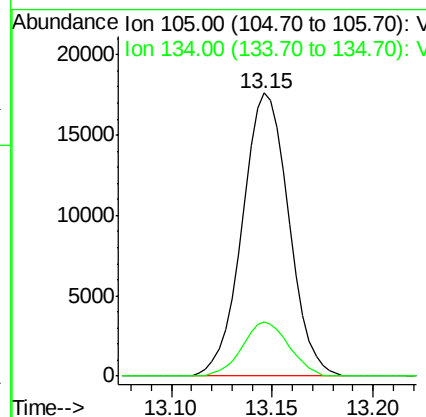
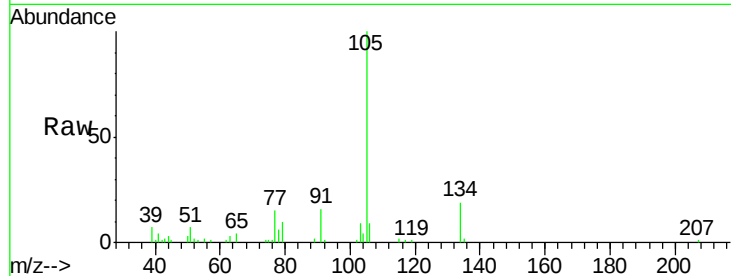
#81
 sec-Butylbenzene
 Concen: 4.974 ug/l
 RT: 13.15 min Scan# 3537
 Delta R.T. -0.00 min
 Lab File: VN061392.D
 Acq: 14 May 2020 14:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
105	100	28497		
134	19.2	0.0	38.0	

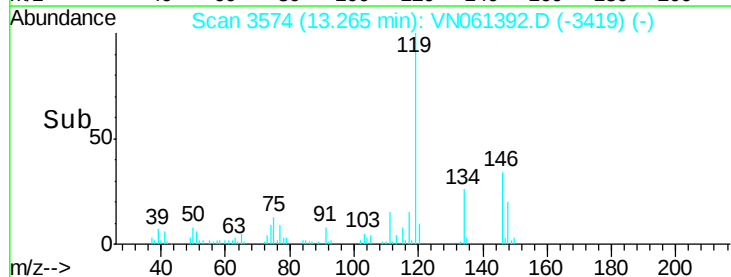
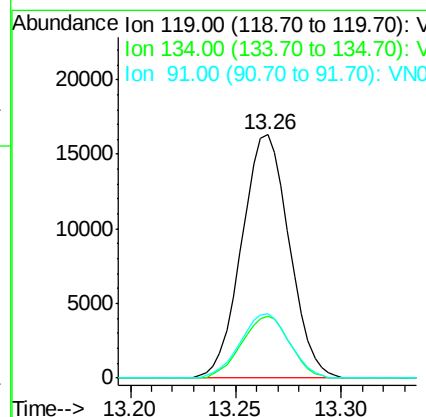
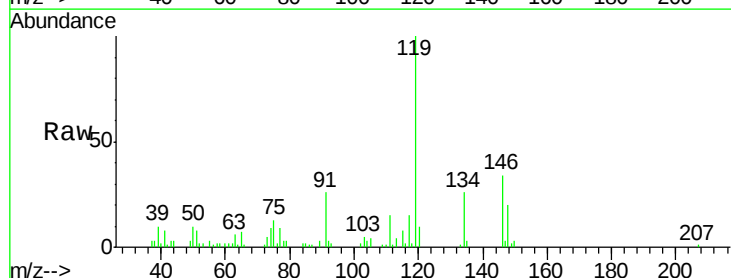
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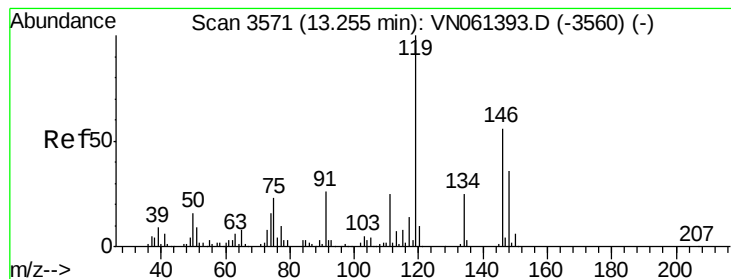
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#82
 p-Isopropyltoluene
 Concen: 4.969 ug/l
 RT: 13.26 min Scan# 3574
 Delta R.T. -0.00 min
 Lab File: VN061392.D
 Acq: 14 May 2020 14:14

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	25579		
134	25.6	0.0	50.8	
91	27.5	0.0	49.4	





#83

1,3-Dichlorobenzene

Concen: 4.509 ug/l

RT: 13.26 min Scan# 3572

Delta R.T. 0.00 min

Lab File: VN061392.D

Acq: 14 May 2020 14:14

Instrument :

MSVOA_N

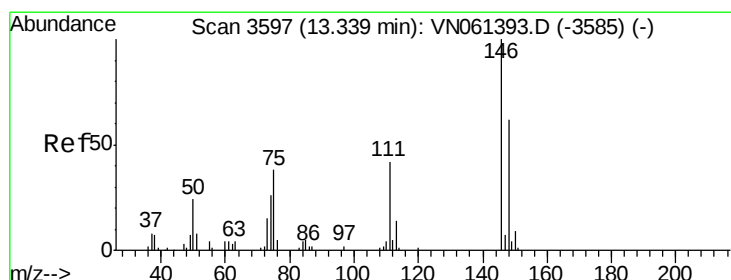
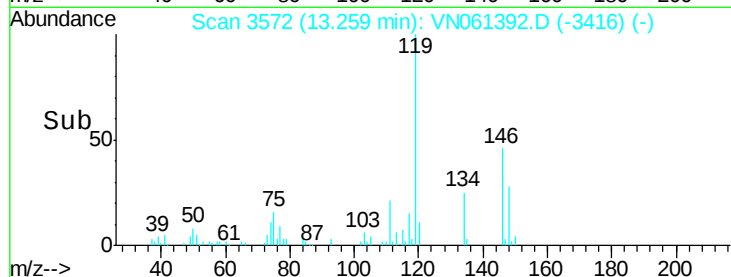
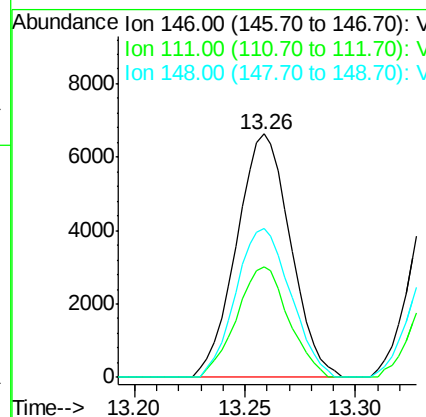
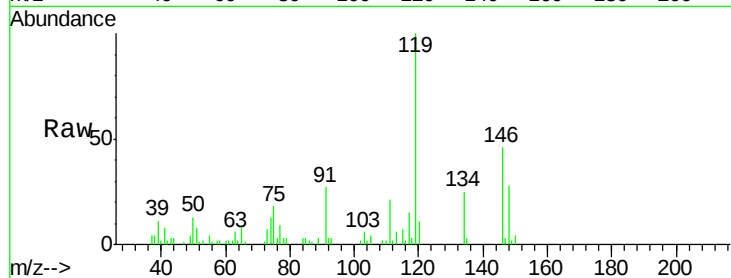
ClientSampleId :

VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.5	21.0	63.0
148	62.0	31.7	95.1

Manual Integrations
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#84

1,4-Dichlorobenzene

Concen: 4.307 ug/l

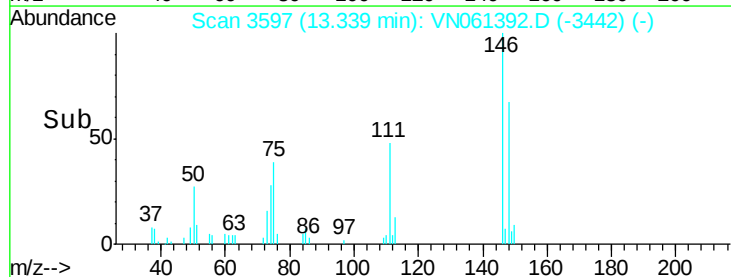
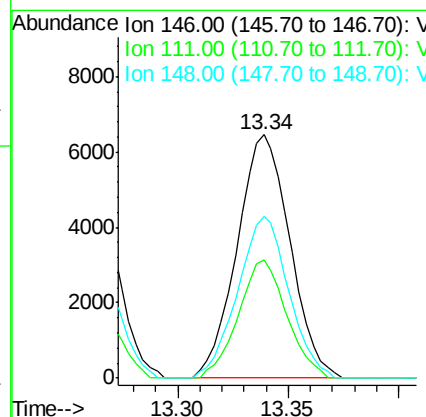
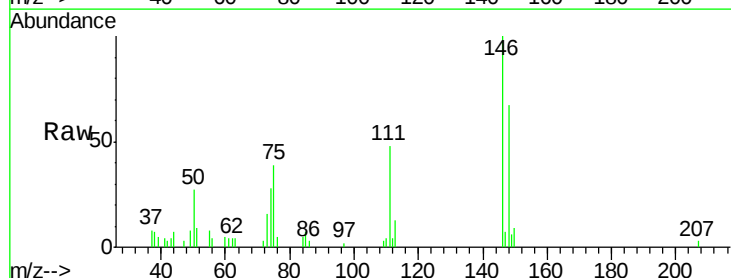
RT: 13.34 min Scan# 3597

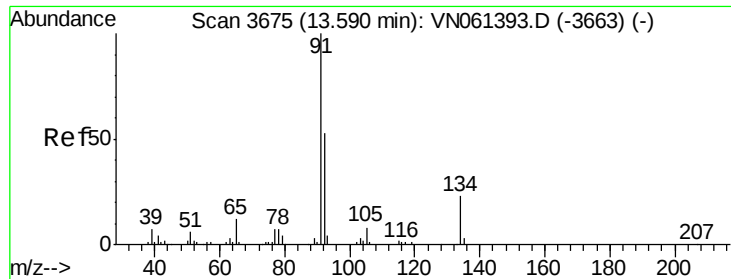
Delta R.T. -0.00 min

Lab File: VN061392.D

Acq: 14 May 2020 14:14

Tgt Ion	Ratio	Lower	Upper
146	100		
111	44.3	19.8	59.4
148	64.2	31.6	94.8





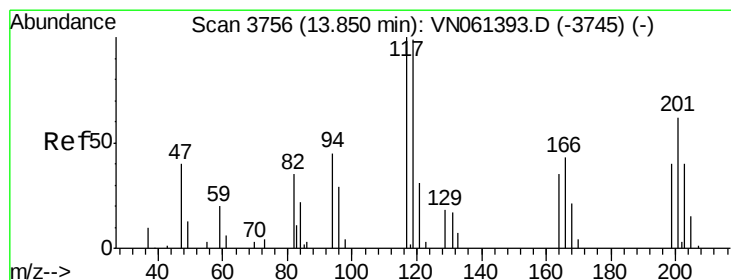
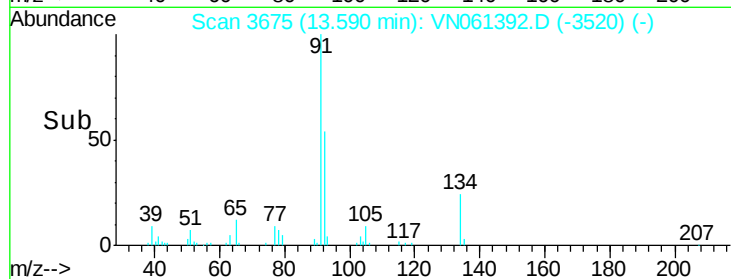
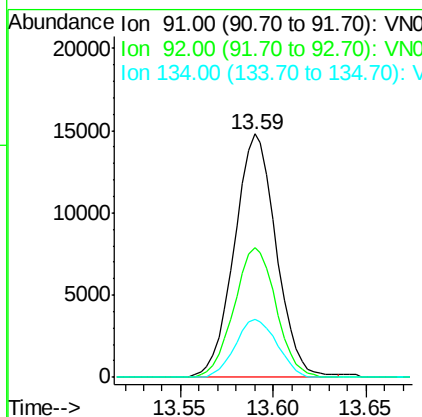
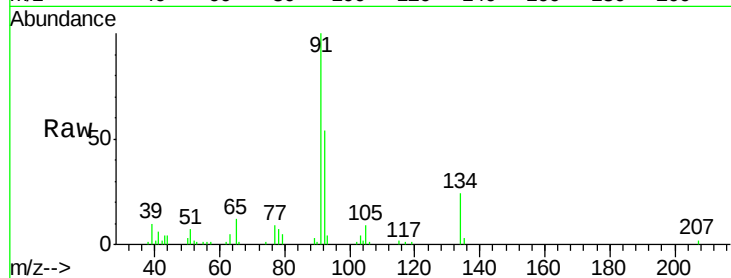
#85
n-Butylbenzene
Concen: 4.890 ug/l
RT: 13.59 min Scan# 3675
Delta R.T. -0.00 min
Lab File: VN061392.D
Acq: 14 May 2020 14:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.3	0.0	102.8
134	23.6	0.0	48.6

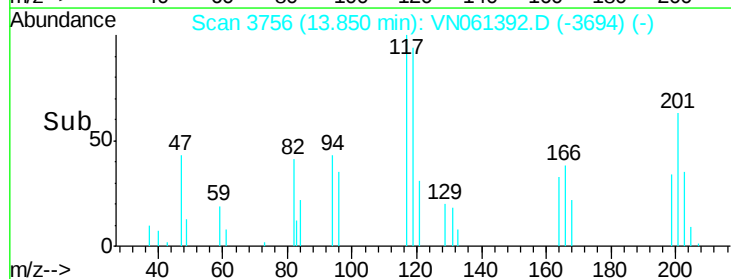
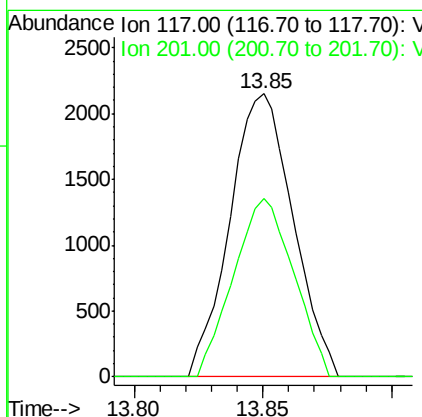
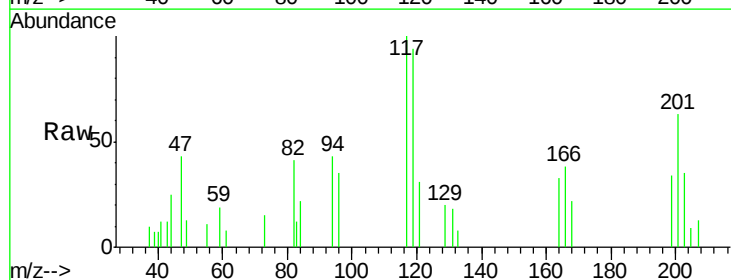
Manual Integrations
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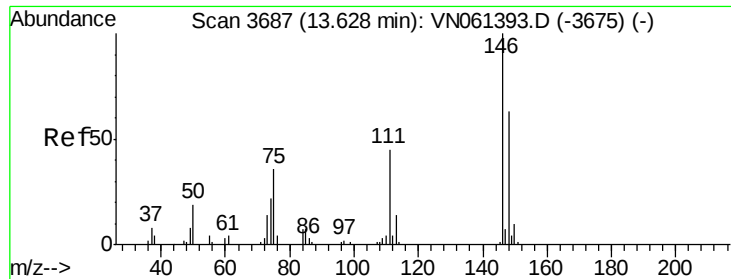
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#86
Hexachloroethane
Concen: 4.136 ug/l
RT: 13.85 min Scan# 3756
Delta R.T. -0.00 min
Lab File: VN061392.D
Acq: 14 May 2020 14:14

Tgt Ion	Ratio	Lower	Upper
117	100		
201	59.9	38.7	116.1





#87

1,2-Dichlorobenzene

Concen: 4.226 ug/l

RT: 13.63 min Scan# 3687

Delta R.T. -0.00 min

Lab File: VN061392.D

Acq: 14 May 2020 14:14

Instrument :

MSVOA_N

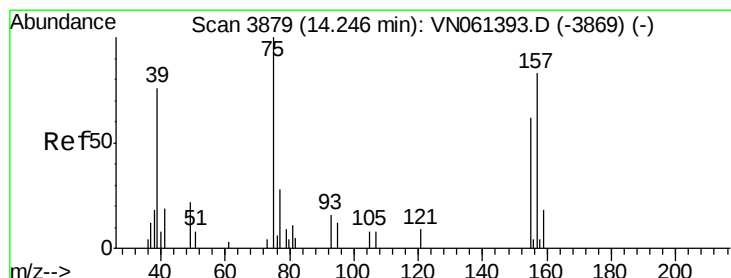
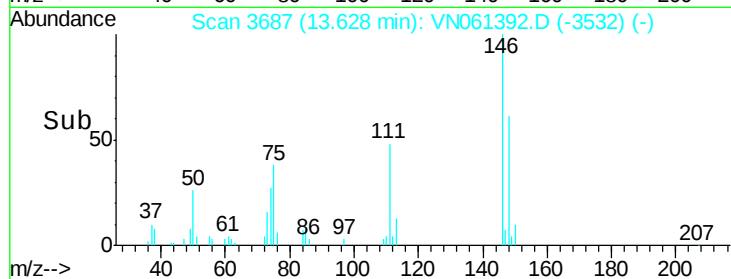
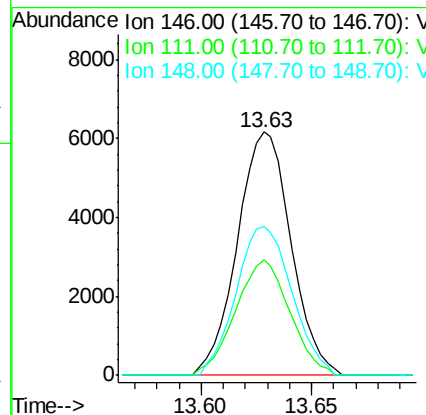
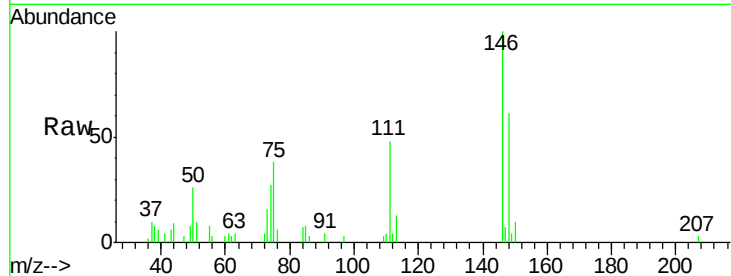
ClientSampled :

VSTDIC005

Tot Ion:	146	Resp:	10421
Ion Ratio	Lower	Upper	
146	100		
111	47.8	21.8	65.4
148	63.5	32.1	96.5

Manual Integrations
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#88

1,2-Dibromo-3-Chloropropane

Concen: 4.313 ug/l

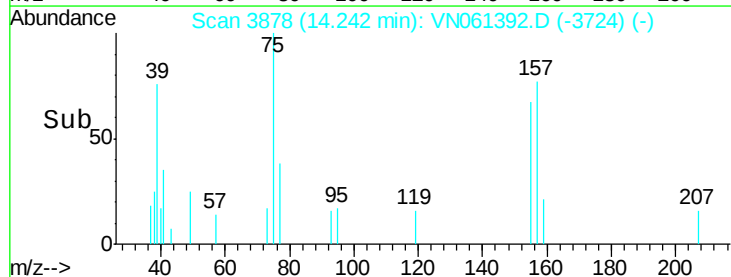
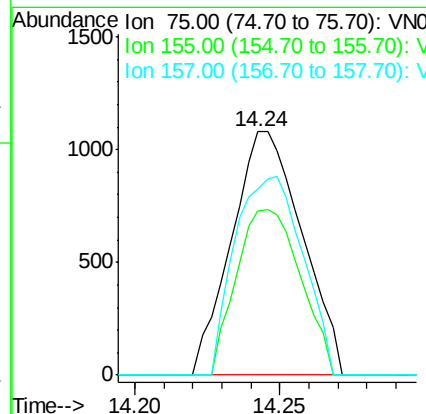
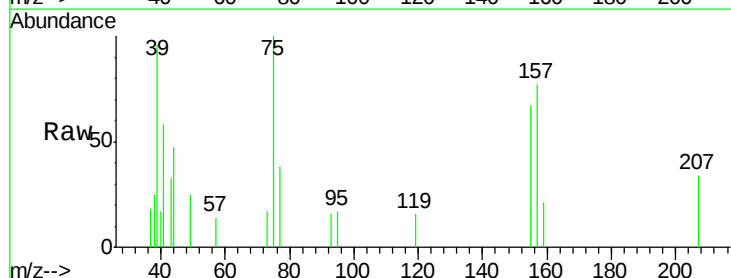
RT: 14.24 min Scan# 3878

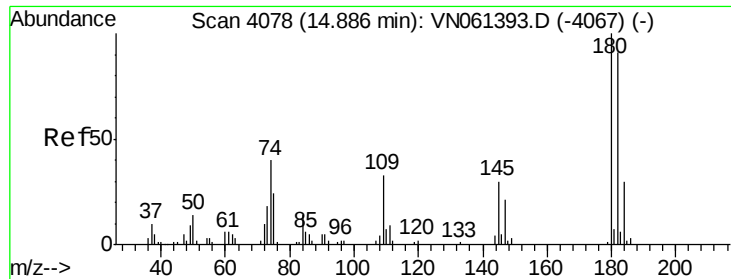
Delta R.T. -0.00 min

Lab File: VN061392.D

Acq: 14 May 2020 14:14

Tgt Ion:	75	Resp:	1825
Ion Ratio	Lower	Upper	
75	100		
155	61.8	58.3	87.5
157	78.1	75.0	112.6





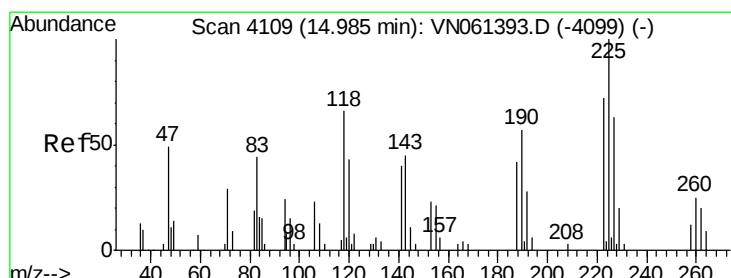
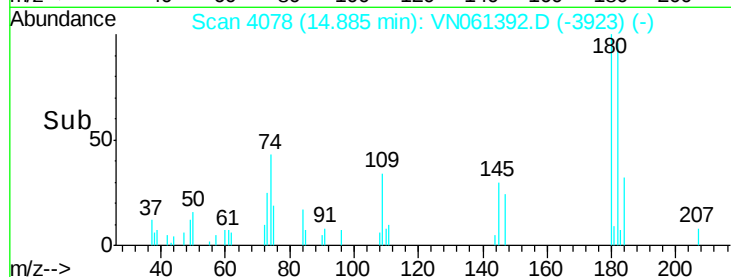
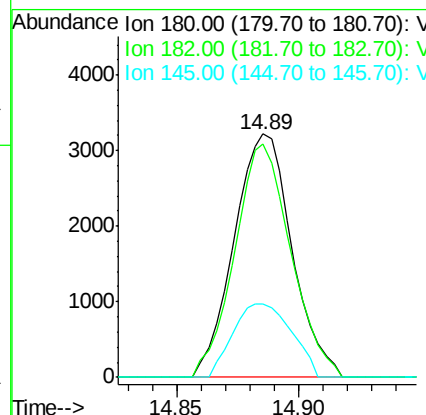
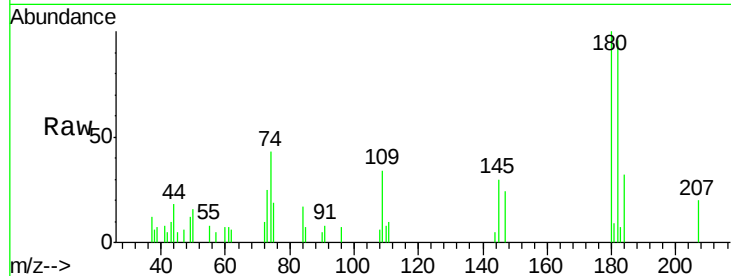
#89
1,2,4-Trichlorobenzene
Concen: 3.443 ug/l
RT: 14.89 min Scan# 4078
Delta R.T. -0.00 min
Lab File: VN061392.D
Acq: 14 May 2020 14:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.0	75.3	112.9
145	30.5	24.8	37.2

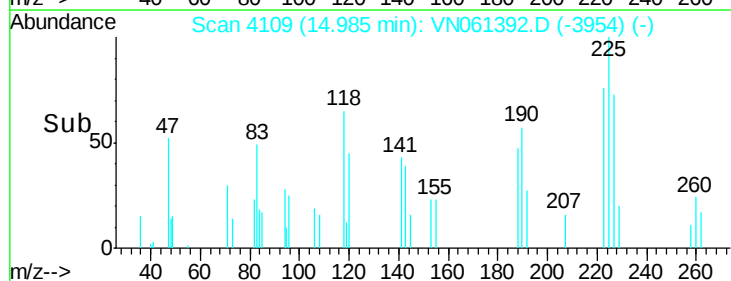
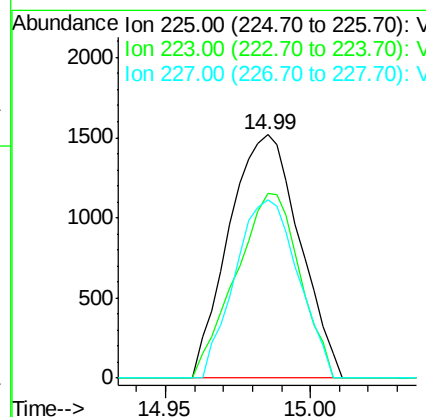
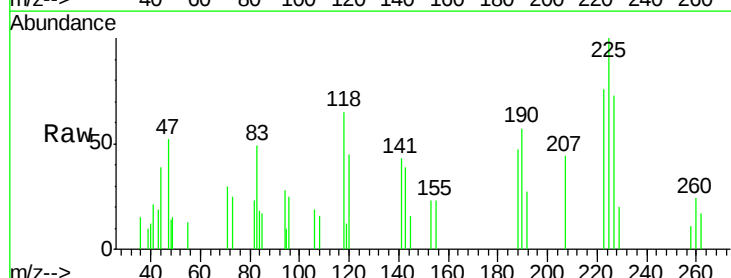
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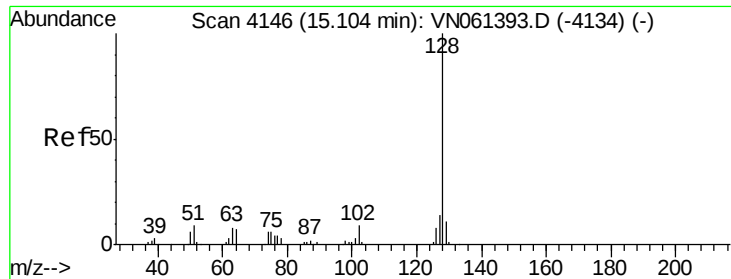
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#90
Hexachlorobutadiene
Concen: 3.368 ug/l
RT: 14.99 min Scan# 4109
Delta R.T. -0.00 min
Lab File: VN061392.D
Acq: 14 May 2020 14:14

Tgt Ion	Ratio	Lower	Upper
225	100		
223	68.8	0.0	126.2
227	65.4	0.0	127.0





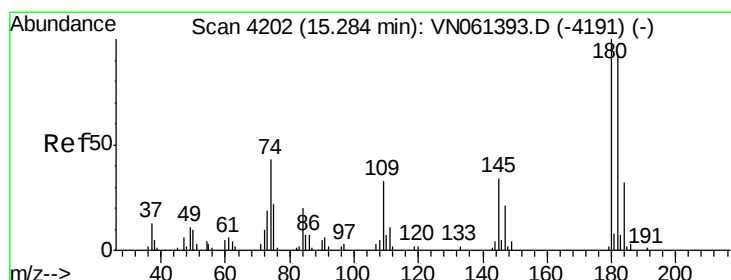
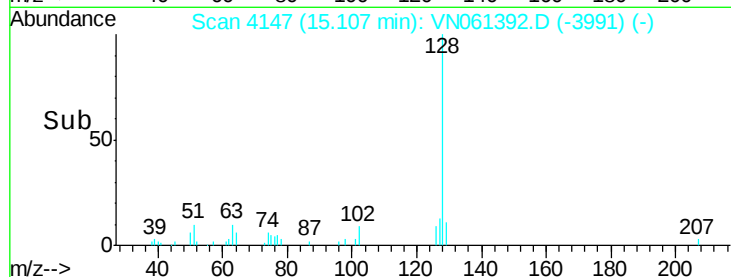
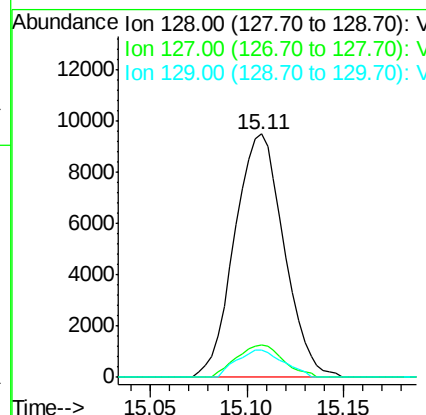
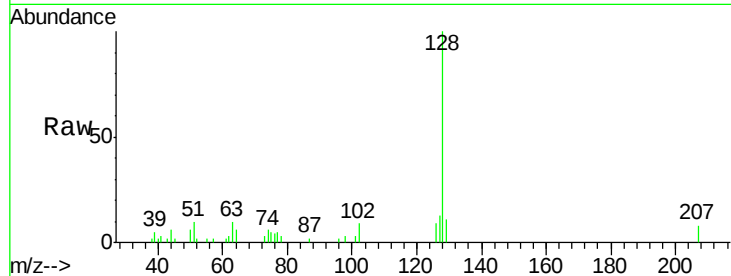
#91
Naphthalene
Concen: 3.690 ug/l
RT: 15.11 min Scan# 4147
Delta R.T. 0.00 min
Lab File: VN061392.D
Acq: 14 May 2020 14:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.2	15.2
129	10.6	8.6	13.0

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#92
1,2,3-Trichlorobenzene
Concen: 3.664 ug/l m
RT: 15.28 min Scan# 4202
Delta R.T. -0.00 min
Lab File: VN061392.D
Acq: 14 May 2020 14:14

Tgt Ion	Ratio	Lower	Upper
180	100		
182	90.0	0.0	193.4
145	29.5	0.0	65.8

