

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN050820\
 Data File : VN061377.D
 Acq On : 8 May 2020 21:11
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 5/11/2020 12:36:52 PM

Quant Time: May 11 04:50:46 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042720W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 05 07:01:08 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	102003	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	175507	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	164537	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	80661	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	82667	51.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.44%	
35) Dibromofluoromethane	7.55	113	46202	44.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.04%	
50) Toluene-d8	10.06	98	215242	50.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.76%	
62) 4-Bromofluorobenzene	12.38	95	81837	51.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.80%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	47776	44.169	ug/l	99
3) Chloromethane	2.03	50	64970	49.594	ug/l	98
4) Vinyl Chloride	2.16	62	72349	48.624	ug/l	100
5) Bromomethane	2.52	94	28707	39.031	ug/l	100
6) Chloroethane	2.66	64	43424	46.044	ug/l	99
7) Trichlorofluoromethane	2.98	101	90960	54.184	ug/l	99
8) Diethyl Ether	3.37	74	36366	51.936	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.71	101	53281	49.267	ug/l	100
10) Methyl Iodide	3.91	142	51285	36.899	ug/l	99
11) Tert butyl alcohol	4.73	59	59675	276.007	ug/l	100
12) 1,1-Dichloroethene	3.69	96	50260	46.701	ug/l	97
13) Acrolein	3.56	56	30070	208.701	ug/l	97
14) Allyl chloride	4.27	41	110220	55.235	ug/l	98
15) Acrylonitrile	4.93	53	178878	269.516	ug/l	99
16) Acetone	3.77	43	161003	258.109	ug/l	100
17) Carbon Disulfide	4.01	76	97454	32.781	ug/l	99
18) Methyl Acetate	4.27	43	100530	49.352	ug/l	98
19) Methyl tert-butyl Ether	4.99	73	202250	49.181	ug/l	100
20) Methylene Chloride	4.50	84	60004	47.678	ug/l	98
21) trans-1,2-Dichloroethene	4.99	96	54850	46.804	ug/l	99
22) Diisopropyl ether	5.90	45	239044	51.658	ug/l	99
23) Vinyl Acetate	5.84	43	954654	256.222	ug/l	100
24) 1,1-Dichloroethane	5.80	63	120328	49.769	ug/l	99
25) 2-Butanone	6.79	43	255235	267.246	ug/l	99
26) 2,2-Dichloropropane	6.77	77	92985	45.661	ug/l	99
27) cis-1,2-Dichloroethene	6.78	96	66265	48.184	ug/l	98
28) Bromochloromethane	7.15	49	59408	51.842	ug/l	97
29) Tetrahydrofuran	7.17	42	171915	267.220	ug/l	97
30) Chloroform	7.33	83	118600	48.406	ug/l	99
31) Cyclohexane	7.61	56	98357	41.890	ug/l	98
32) 1,1,1-Trichloroethane	7.53	97	101839	47.733	ug/l	99
36) 1,1-Dichloropropene	7.75	75	84477	48.083	ug/l	99
37) Ethyl Acetate	6.88	43	106397	51.657	ug/l	99
38) Carbon Tetrachloride	7.73	117	77981	48.710	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	83855	42.559	ug/l	99
40) Benzene	8.00	78	249752	47.715	ug/l	99
41) Methacrylonitrile	7.12	41	50861	59.474	ug/l #	100
42) 1,2-Dichloroethane	8.08	62	100051	50.456	ug/l	99
43) Isopropyl Acetate	8.13	43	174307	50.993	ug/l	99
44) Trichloroethene	8.80	130	61645	43.566	ug/l	99
45) 1,2-Dichloropropane	9.08	63	70957	50.742	ug/l	97
46) Dibromomethane	9.17	93	43788	50.573	ug/l	98
47) Bromodichloromethane	9.37	83	94982	51.109	ug/l	99
48) Methyl methacrylate	9.17	41	82822	53.693	ug/l	98
49) 1,4-Dioxane	9.17	88	18967	1083.253	ug/l	98
51) 4-Methyl-2-Pentanone	9.95	43	544619	270.679	ug/l	100
52) Toluene	10.12	92	153171	48.583	ug/l	98
53) t-1,3-Dichloropropene	10.35	75	103258	49.310	ug/l	99
54) cis-1,3-Dichloropropene	9.81	75	108031	48.798	ug/l	99
55) 1,1,2-Trichloroethane	10.53	97	62260	49.509	ug/l	99
56) Ethyl methacrylate	10.40	69	102664	47.021	ug/l	98
57) 1,3-Dichloropropane	10.68	76	111386	50.391	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.66	63	256884	252.363	ug/l	99
59) 2-Hexanone	10.72	43	400460	273.575	ug/l	100
60) Dibromochloromethane	10.87	129	66760	50.688	ug/l	99
61) 1,2-Dibromoethane	10.98	107	61998	49.188	ug/l	98
64) Tetrachloroethene	10.60	164	59504	41.755	ug/l	99
65) Chlorobenzene	11.41	112	159418	48.843	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.48	131	59749	51.148	ug/l	99
67) Ethyl Benzene	11.48	91	300117	49.120	ug/l	99
68) m/p-Xylenes	11.60	106	218727	97.803	ug/l	97
69) o-Xylene	11.92	106	104966	48.862	ug/l	98
70) Styrene	11.94	104	182940	50.881	ug/l	99
71) Bromoform	12.10	173	46422	54.071	ug/l #	99
73) Isopropylbenzene	12.22	105	285660	48.174	ug/l	100
74) N-amyl acetate	12.04	43	152037	50.633	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	95181	51.477	ug/l	100
76) 1,2,3-Trichloropropane	12.53	75	86677m	50.970	ug/l	
77) Bromobenzene	12.50	156	66693	48.722	ug/l	97
78) n-propylbenzene	12.57	91	341363	48.535	ug/l	99
79) 2-Chlorotoluene	12.65	91	201199	48.669	ug/l	100
80) 1,3,5-Trimethylbenzene	12.71	105	240007	48.903	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.27	75	33427	49.918	ug/l	98
82) 4-Chlorotoluene	12.75	91	215412	49.439	ug/l	99
83) tert-Butylbenzene	12.97	119	196105	47.388	ug/l	99
84) 1,2,4-Trimethylbenzene	13.01	105	245483	48.549	ug/l	99
85) sec-Butylbenzene	13.15	105	264452	46.871	ug/l	99
86) p-Isopropyltoluene	13.26	119	236265	46.477	ug/l	100
87) 1,3-Dichlorobenzene	13.26	146	121927	48.385	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	121958	47.367	ug/l	99
89) n-Butylbenzene	13.59	91	215213	46.181	ug/l	99
90) Hexachloroethane	13.85	117	31824	58.491	ug/l	97
91) 1,2-Dichlorobenzene	13.63	146	117073	48.453	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.25	75	20110	51.497	ug/l	98

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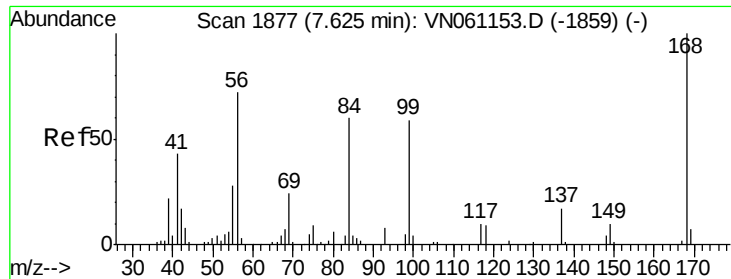
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.89	180	66971	45.516	ug/l	99
94) Hexachlorobutadiene	14.99	225	28700	46.690	ug/l	98
95) Naphthalene	15.11	128	219470	45.801	ug/l	100
96) 1,2,3-Trichlorobenzene	15.28	180	66470	45.757	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VN061377.D

Acq: 8 May 2020 21:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 102003

Ion Ratio Lower Upper

168 100

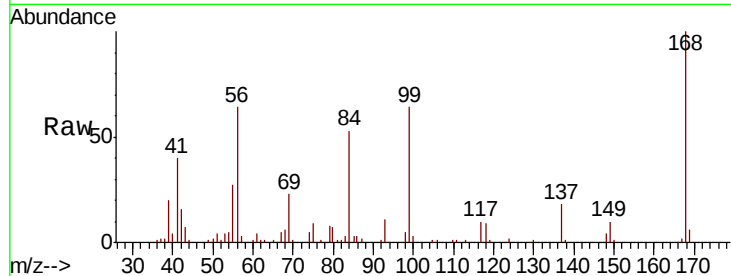
99 63.9 51.2 76.8

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.63

40000

30000

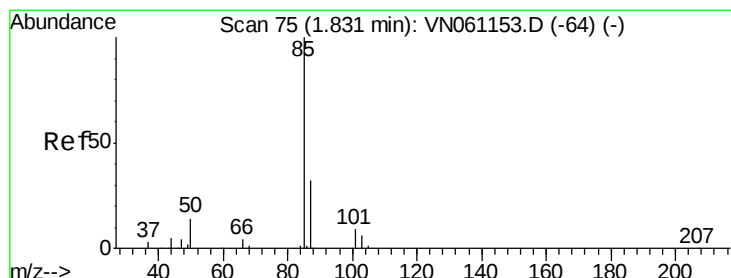
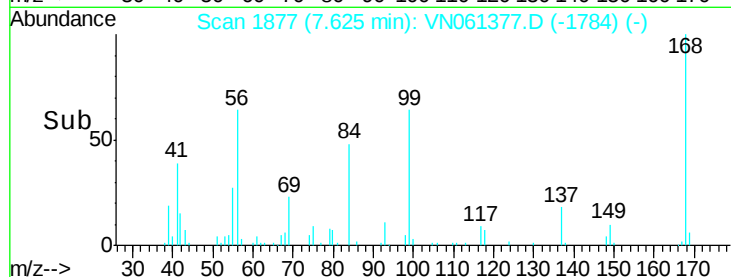
20000

10000

0

7.55 7.60 7.65 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 44.169 ug/l

RT: 1.83 min Scan# 74

Delta R.T. -0.00 min

Lab File: VN061377.D

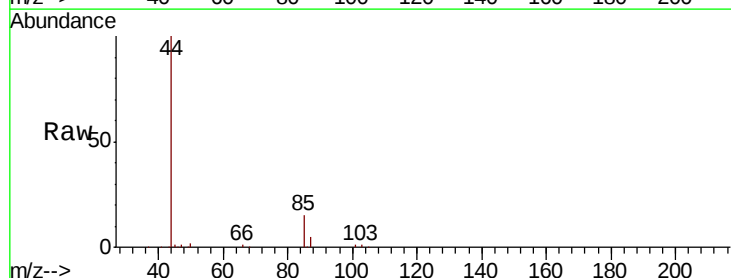
Acq: 8 May 2020 21:11

Tgt Ion: 85 Resp: 47776

Ion Ratio Lower Upper

85 100

87 31.8 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

40000

30000

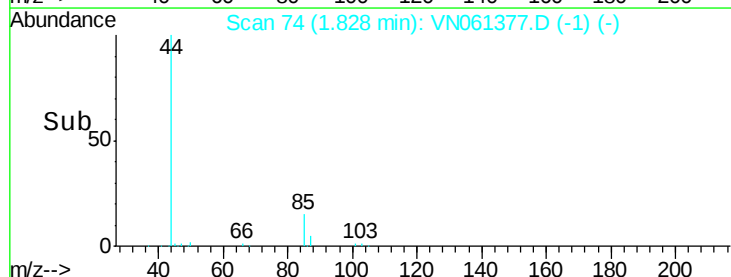
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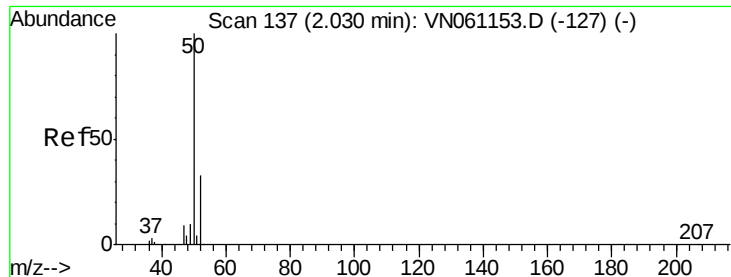
10000

0

1.80 1.85 1.90

Time-->





#3

Chloromethane

Concen: 49.594 ug/l

RT: 2.03 min Scan# 137

Delta R.T. 0.00 min

Lab File: VN061377.D

Acq: 8 May 2020 21:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 64970

Ion Ratio Lower Upper

50 100

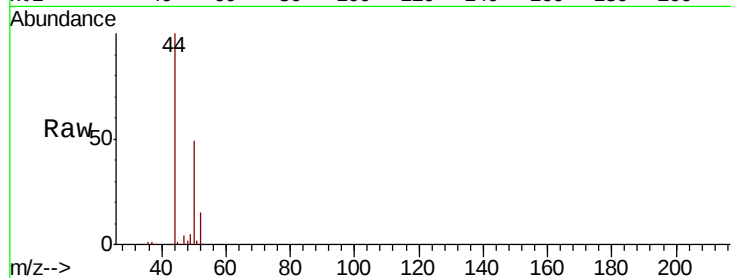
52 31.4 26.0 39.0

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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0

2.03

60000

50000

40000

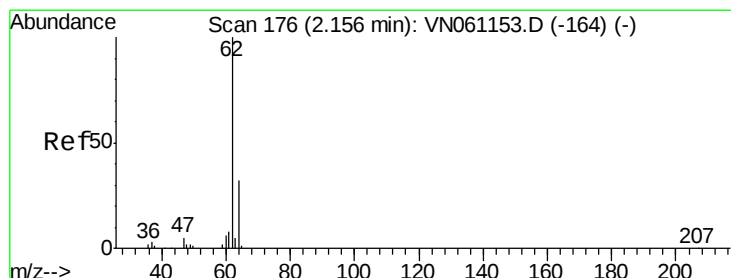
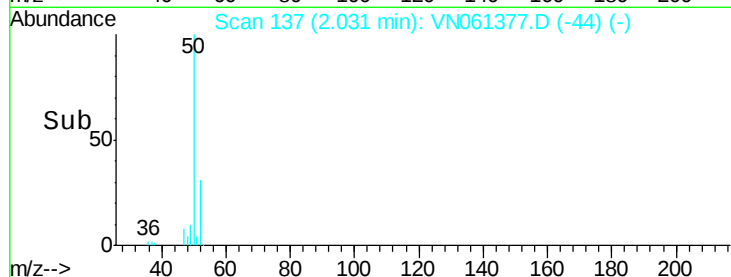
30000

20000

10000

0

Time-->



#4

Vinyl Chloride

Concen: 48.624 ug/l

RT: 2.16 min Scan# 176

Delta R.T. 0.00 min

Lab File: VN061377.D

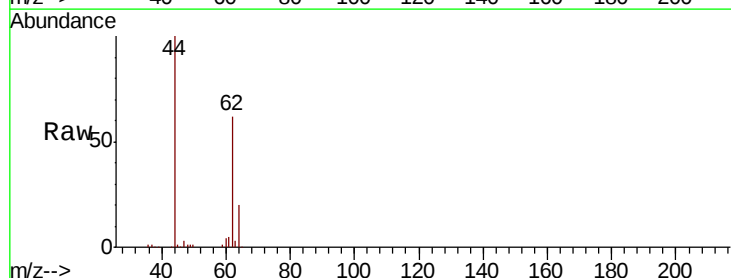
Acq: 8 May 2020 21:11

Tgt Ion: 62 Resp: 72349

Ion Ratio Lower Upper

62 100

64 31.5 25.2 37.8



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0

2.16

50000

40000

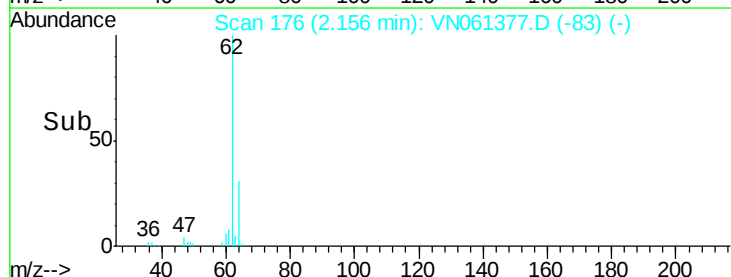
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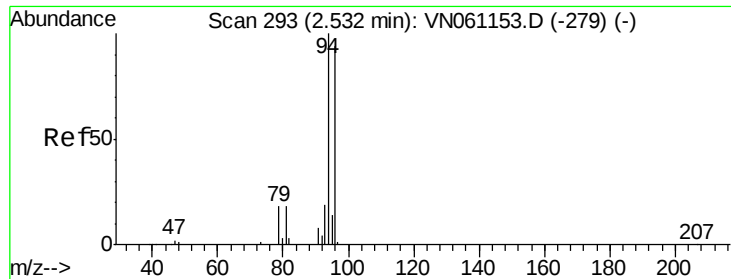
20000

10000

0

Time-->





#5

Bromomethane

Concen: 39.031 ug/l

RT: 2.52 min Scan# 290

Delta R.T. -0.01 min

Lab File: VN061377.D

Acq: 8 May 2020 21:11

Instrument :

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Tot Ion: 94 Resp: 28707

Ion Ratio Lower Upper

94 100

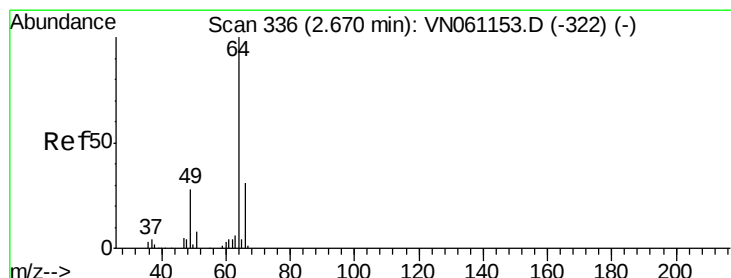
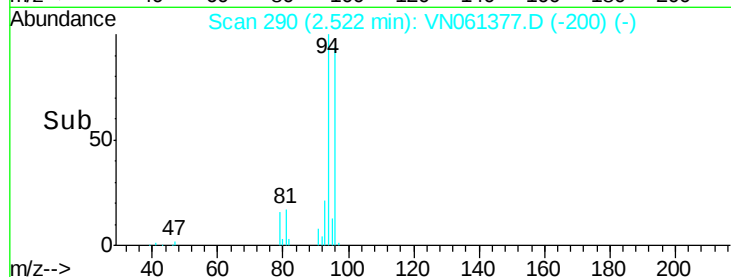
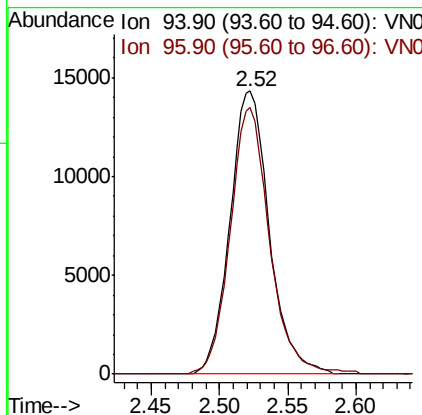
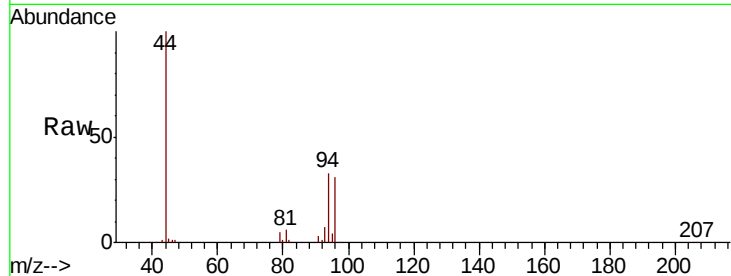
96 94.1 75.1 112.7

Manual Integrations

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5/11/2020 12:36:52 PM



#6

Chloroethane

Concen: 46.044 ug/l

RT: 2.66 min Scan# 334

Delta R.T. -0.01 min

Lab File: VN061377.D

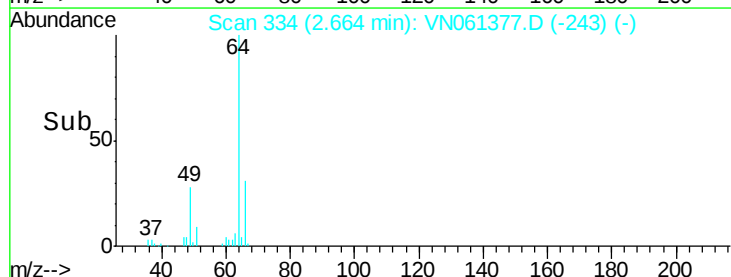
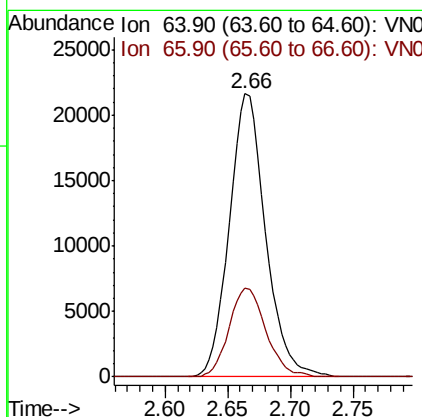
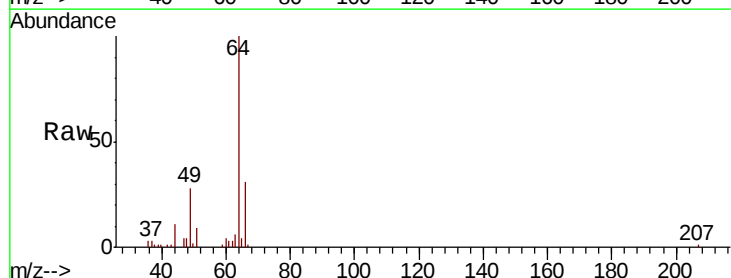
Acq: 8 May 2020 21:11

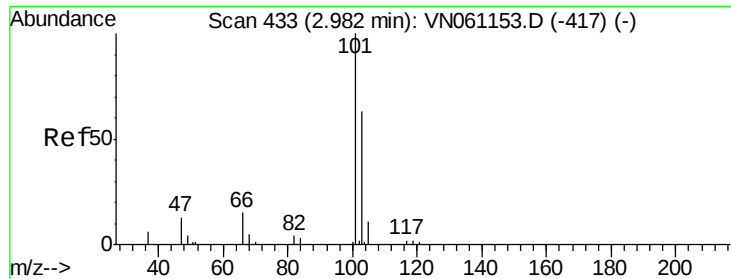
Tgt Ion: 64 Resp: 43424

Ion Ratio Lower Upper

64 100

66 31.2 24.6 36.8





#7

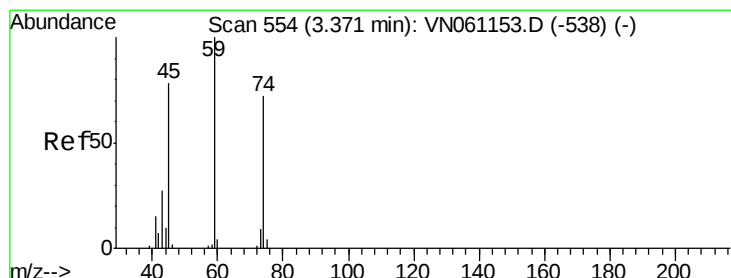
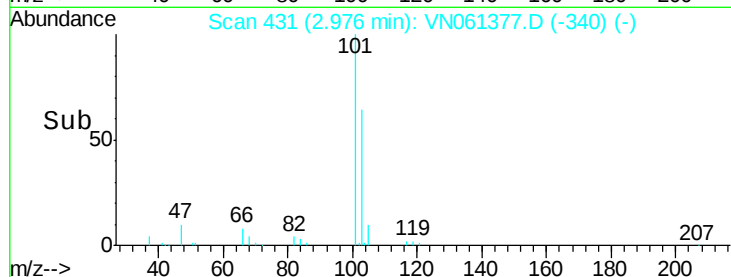
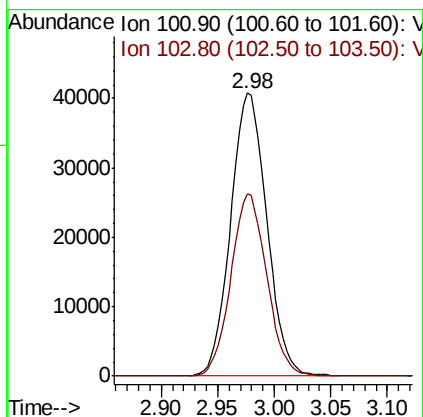
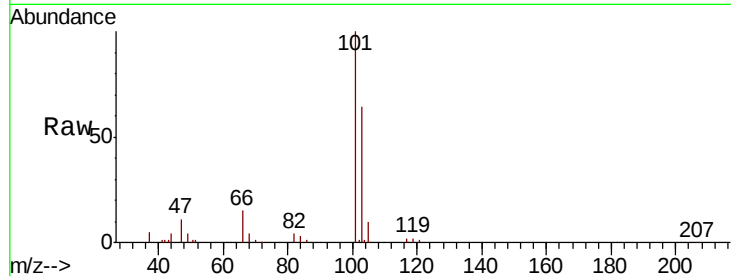
Trichlorofluoromethane
 Concen: 54.184 ug/l
 RT: 2.98 min Scan# 431
 Delta R.T. -0.01 min
 Lab File: VN061377.D
 Acq: 8 May 2020 21:11

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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.4	50.6	76.0

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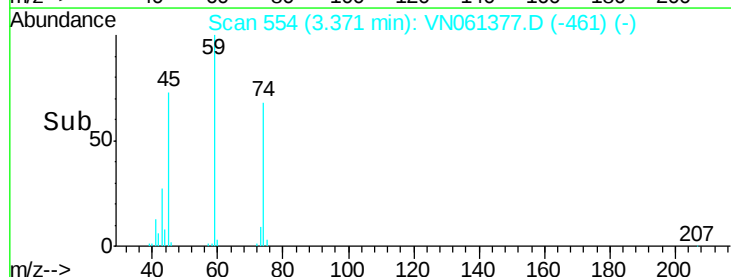
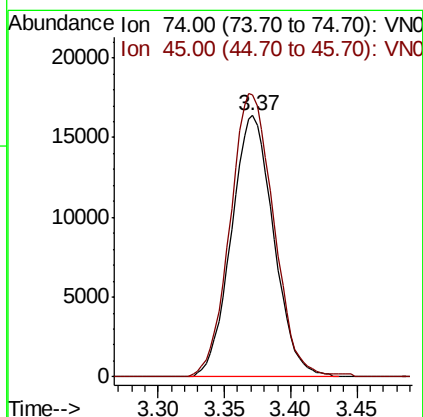
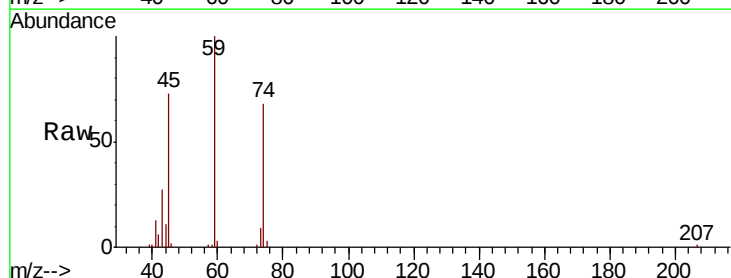
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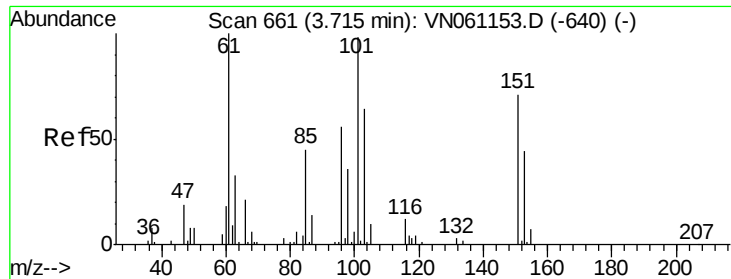


#8

Diethyl Ether
 Concen: 51.936 ug/l
 RT: 3.37 min Scan# 554
 Delta R.T. 0.00 min
 Lab File: VN061377.D
 Acq: 8 May 2020 21:11

Tgt Ion	Ratio	Lower	Upper
74	100		
45	111.4	53.3	160.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.267 ug/l

RT: 3.71 min Scan# 660

Delta R.T. -0.00 min

Lab File: VN061377.D

Acq: 8 May 2020 21:11

Instrument :

MSVOA_N

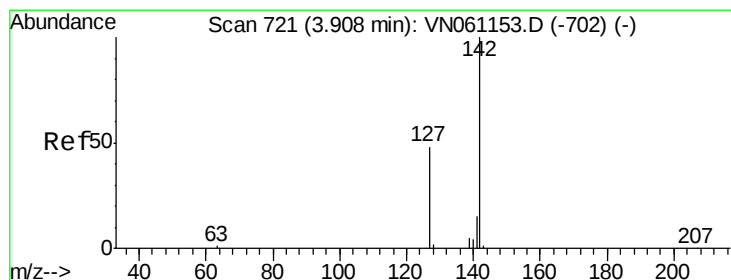
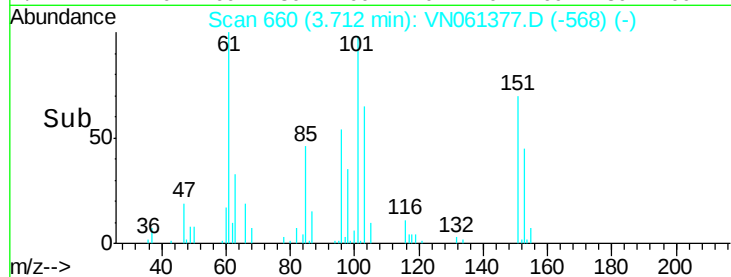
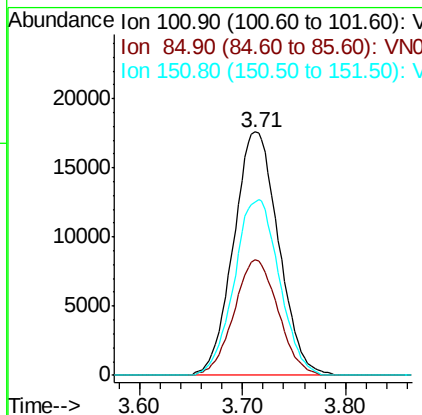
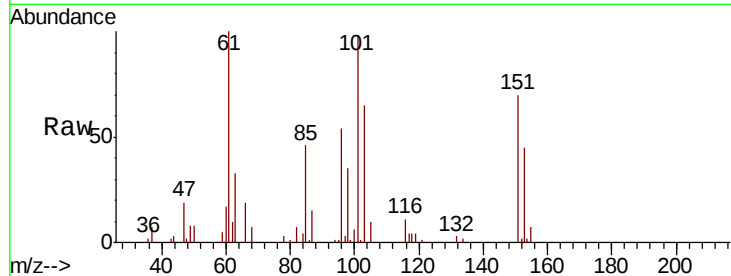
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	53281
Ion Ratio	Lower	Upper	
101	100		
85	46.5	37.2	55.8
151	72.3	57.7	86.5

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#10

Methyl Iodide

Concen: 36.899 ug/l

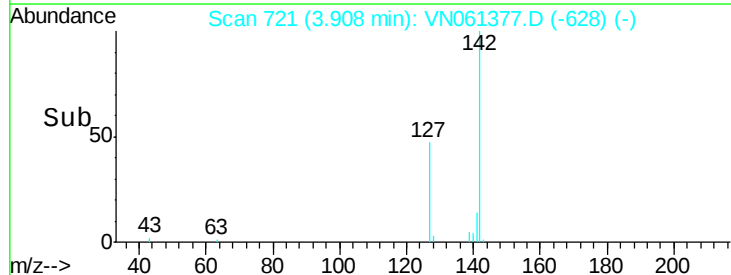
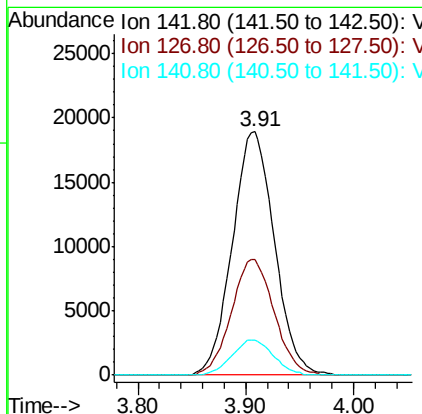
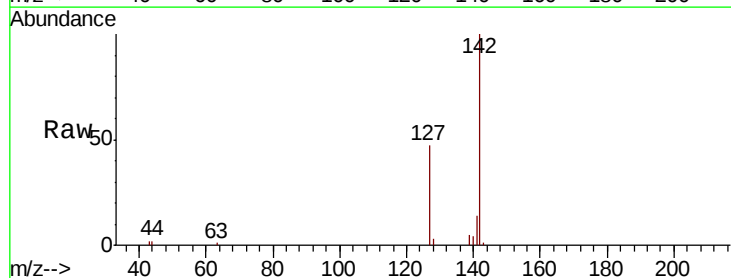
RT: 3.91 min Scan# 721

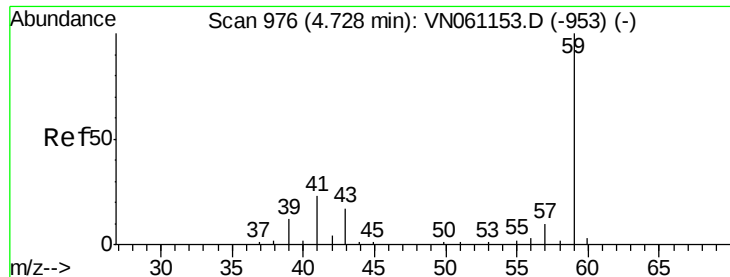
Delta R.T. 0.00 min

Lab File: VN061377.D

Acq: 8 May 2020 21:11

Tgt Ion:	142	Resp:	51285
Ion Ratio	Lower	Upper	
142	100		
127	48.1	38.0	57.0
141	14.3	11.7	17.5





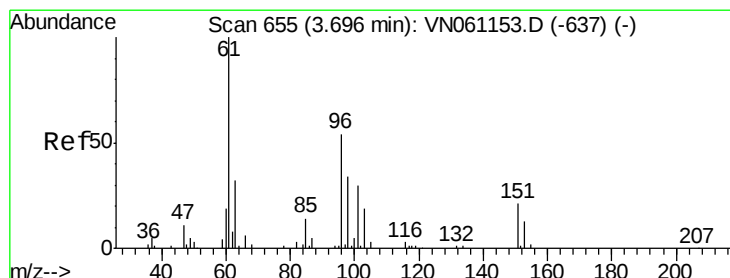
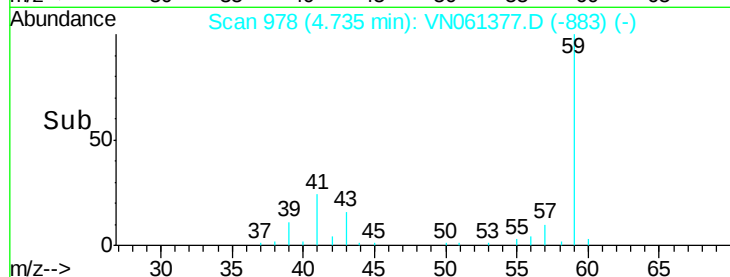
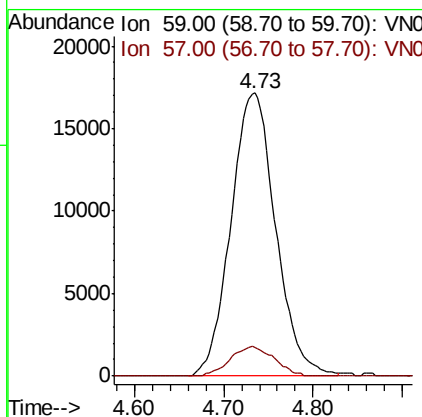
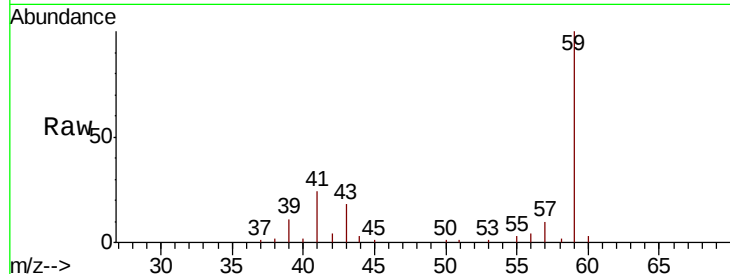
#11
Tert butyl alcohol
Concen: 276.007 ug/l
RT: 4.73 min Scan# 978
Delta R.T. 0.01 min
Lab File: VN061377.D
Acq: 8 May 2020 21:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
59	100	59675		
57	10.3		8.3	12.5

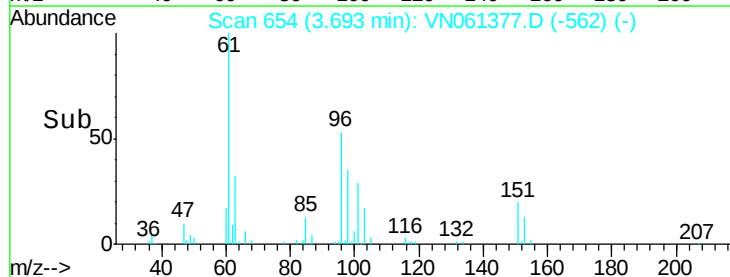
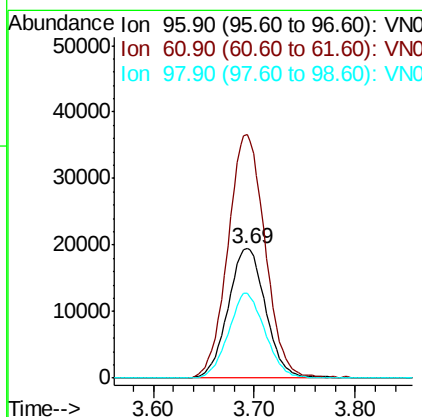
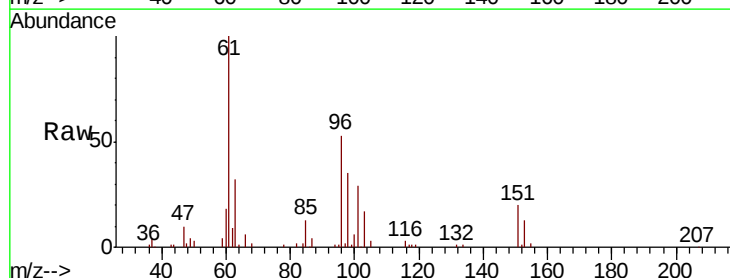
Manual Integrations
APPROVED

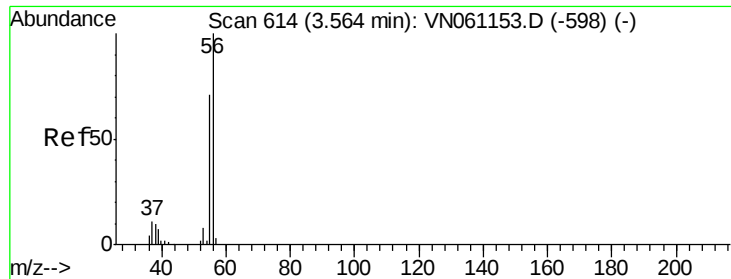
MMDadoda
5/11/2020 12:36:52 PM



#12
1,1-Dichloroethene
Concen: 46.701 ug/l
RT: 3.69 min Scan# 654
Delta R.T. -0.00 min
Lab File: VN061377.D
Acq: 8 May 2020 21:11

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	50260		
61	187.8		147.0	220.6
98	65.7		49.8	74.6





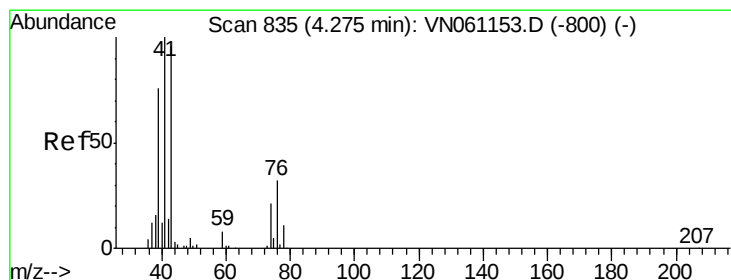
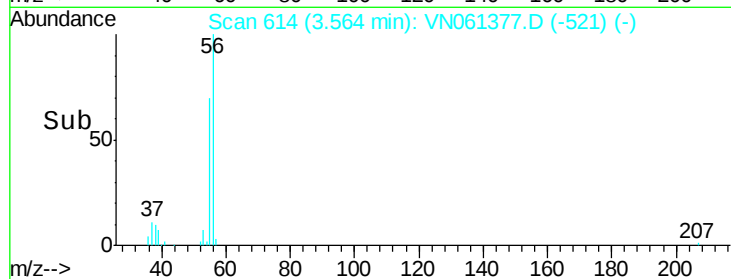
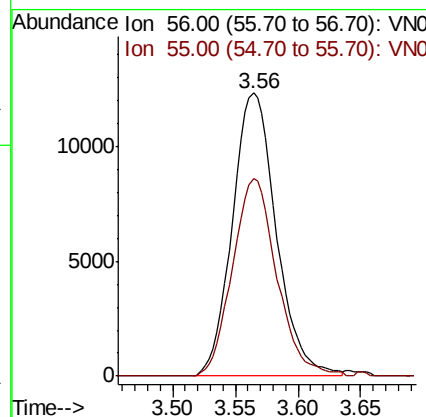
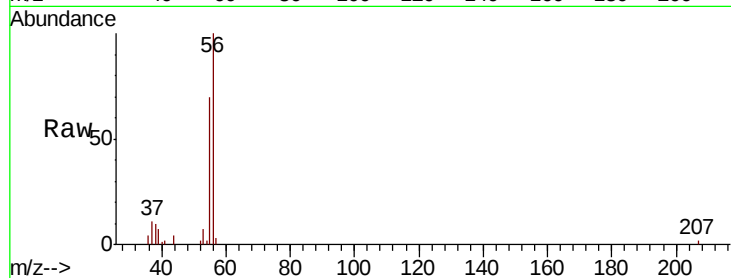
#13
Acrolein
Concen: 208.701 ug/l
RT: 3.56 min Scan# 614
Delta R.T. 0.00 min
Lab File: VN061377.D
Acq: 8 May 2020 21:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	56	Resp	30070
Ion Ratio	100	Lower	Upper
56	100		
55	70.2	58.5	87.7

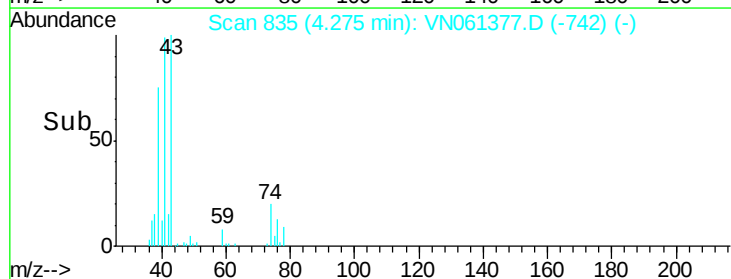
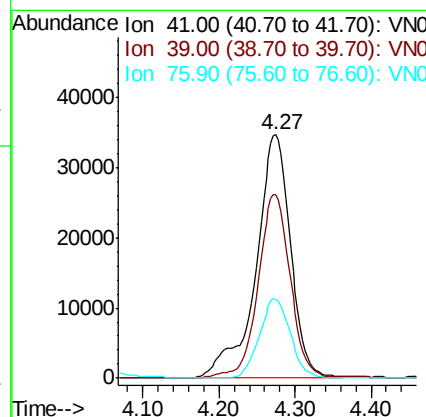
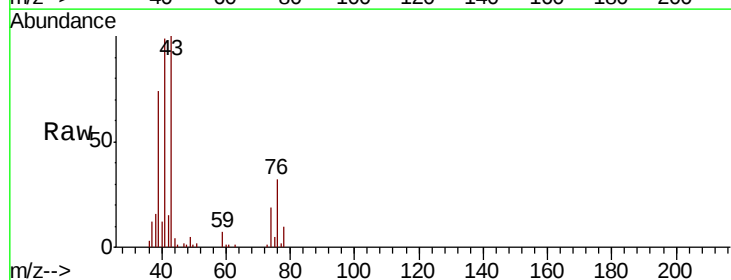
Manual Integrations
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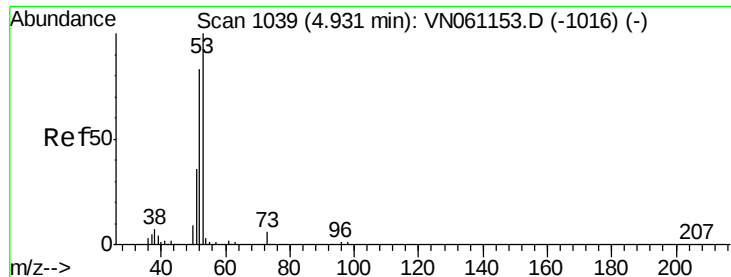
MMDadoda
5/11/2020 12:36:52 PM



#14
Allyl chloride
Concen: 55.235 ug/l
RT: 4.27 min Scan# 835
Delta R.T. 0.00 min
Lab File: VN061377.D
Acq: 8 May 2020 21:11

Tgt Ion	41	Resp	110220
Ion Ratio	100	Lower	Upper
41	100		
39	70.3	57.1	85.7
76	28.9	24.3	36.5





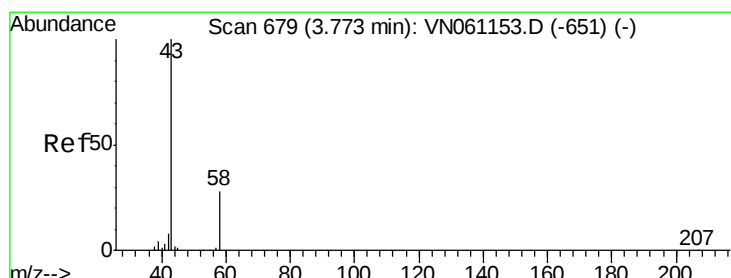
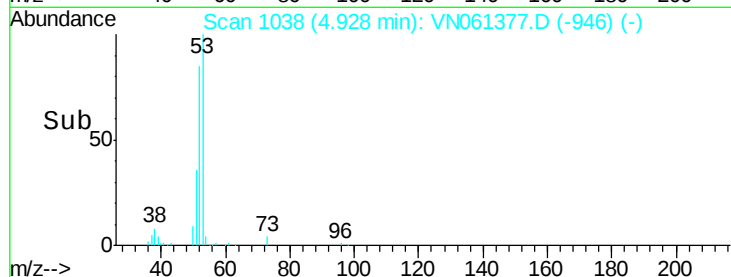
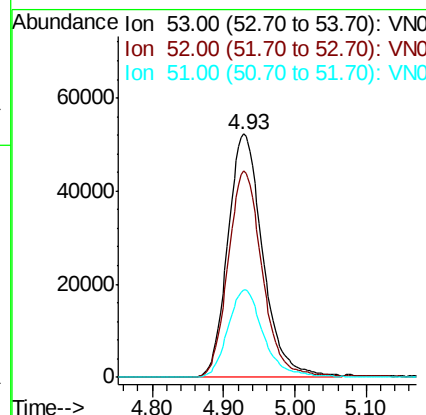
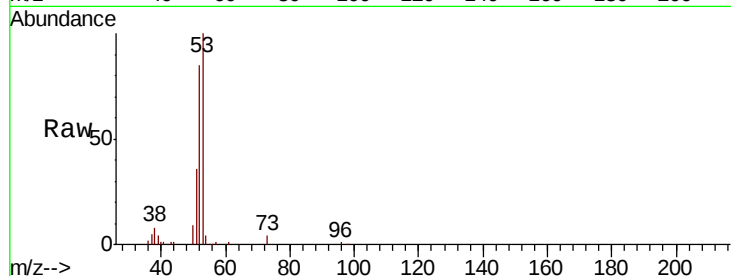
#15
 Acrylonitrile
 Concen: 269.516 ug/l
 RT: 4.93 min Scan# 1038
 Delta R.T. -0.00 min
 Lab File: VN061377.D
 Acq: 8 May 2020 21:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	53	Resp:	178878
Ion	Ratio	Lower	Upper
53	100		
52	82.3	65.4	98.0
51	36.6	29.5	44.3

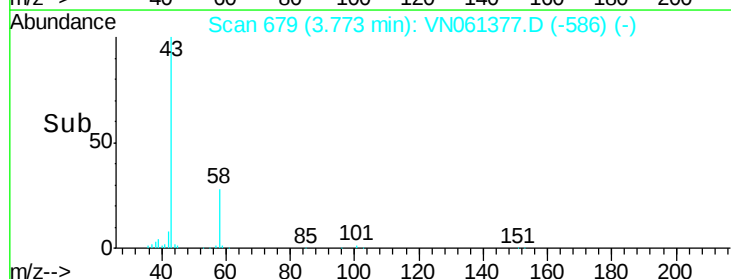
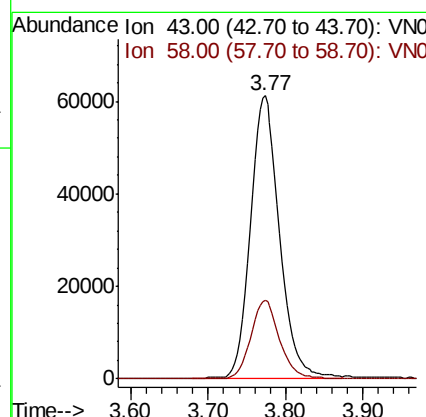
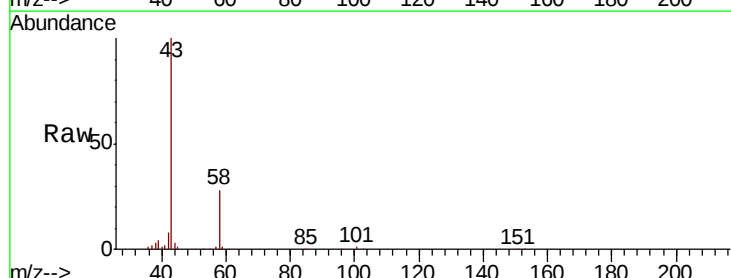
Manual Integrations
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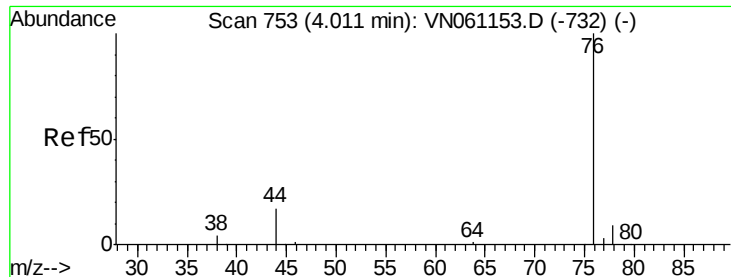
MMDadoda
 5/11/2020 12:36:52 PM



#16
 Acetone
 Concen: 258.109 ug/l
 RT: 3.77 min Scan# 679
 Delta R.T. 0.00 min
 Lab File: VN061377.D
 Acq: 8 May 2020 21:11

Tgt Ion:	43	Resp:	161003
Ion	Ratio	Lower	Upper
43	100		
58	28.0	22.2	33.2





#17

Carbon Disulfide

Concen: 32.781 ug/l

RT: 4.01 min Scan# 752

Delta R.T. -0.00 min

Lab File: VN061377.D

Acq: 8 May 2020 21:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 97454

Ion Ratio Lower Upper

76 100

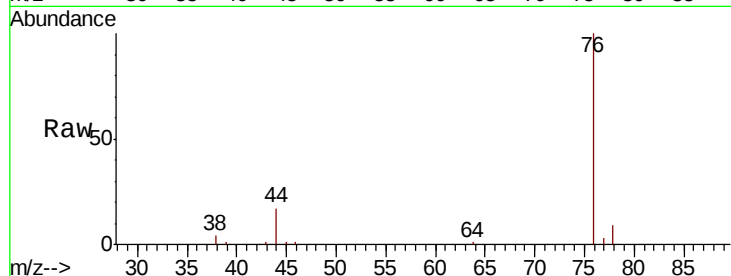
78 8.6 7.2 10.8

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

4.01

40000

30000

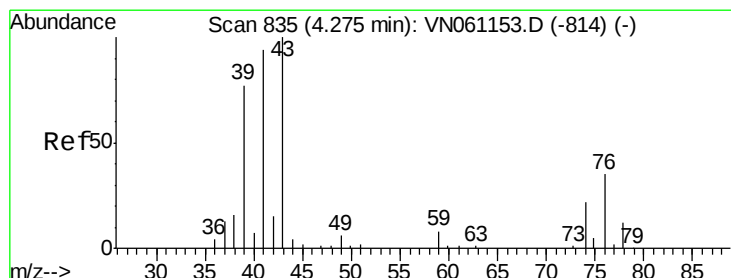
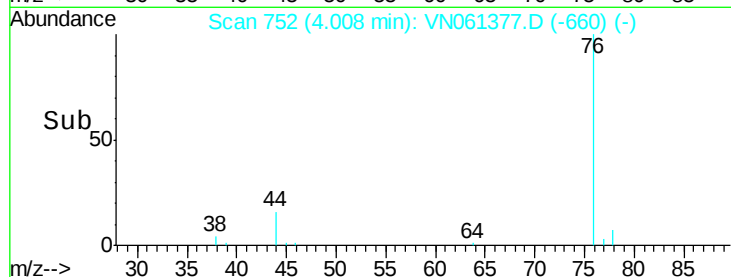
20000

10000

0

Time-->

3.90 4.00 4.10



#18

Methyl Acetate

Concen: 49.352 ug/l

RT: 4.27 min Scan# 835

Delta R.T. 0.00 min

Lab File: VN061377.D

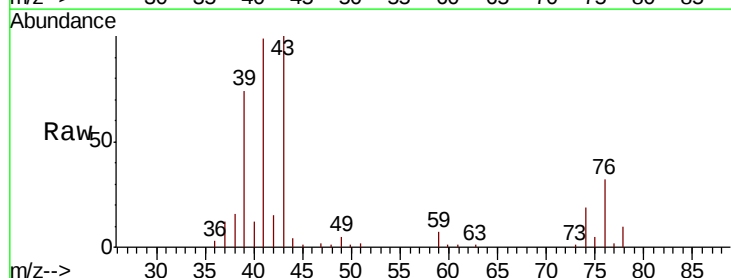
Acq: 8 May 2020 21:11

Tgt Ion: 43 Resp: 100530

Ion Ratio Lower Upper

43 100

74 20.1 17.0 25.4



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

4.27

40000

30000

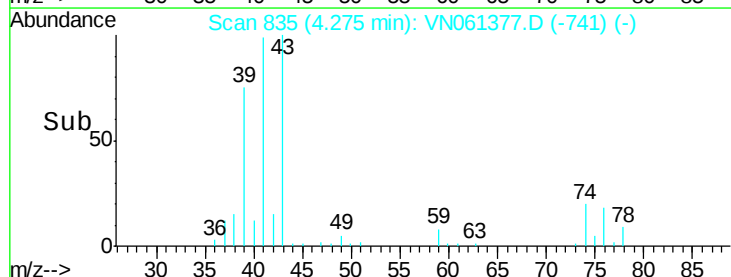
20000

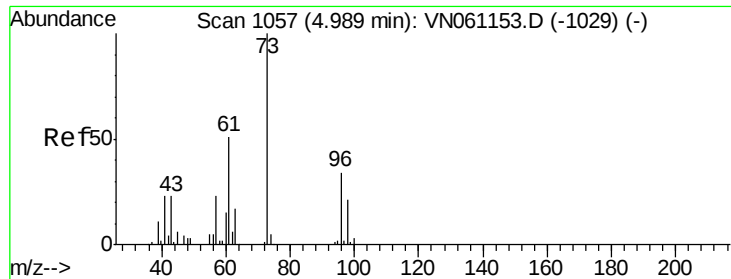
10000

0

Time-->

4.20 4.30 4.40





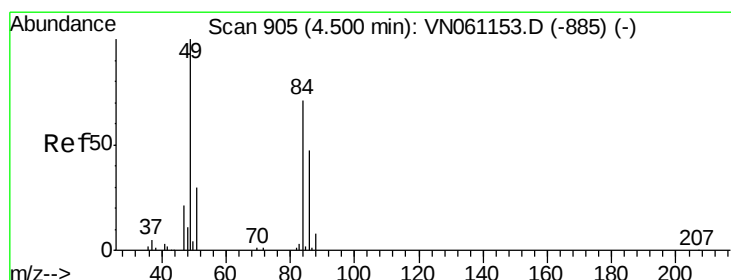
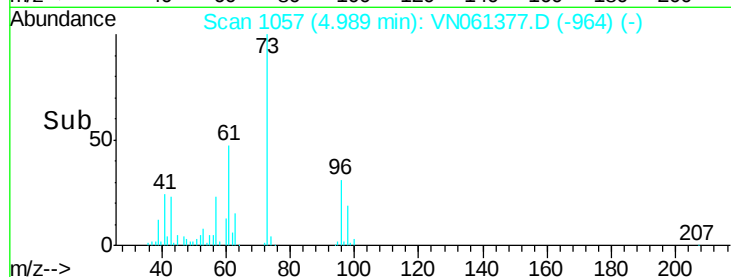
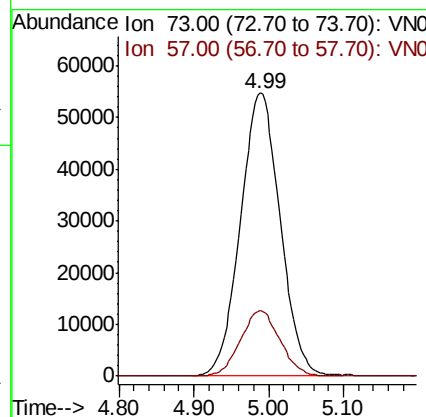
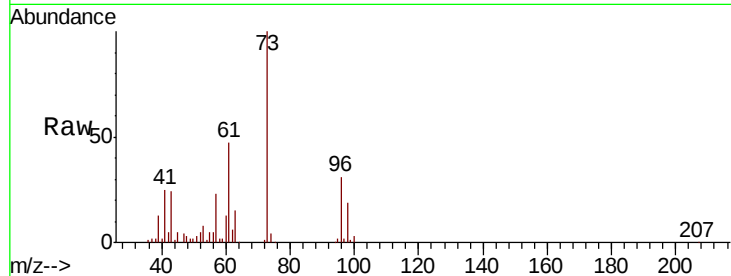
#19
Methyl tert-butyl Ether
Concen: 49.181 ug/l
RT: 4.99 min Scan# 1057
Delta R.T. 0.00 min
Lab File: VN061377.D
Acq: 8 May 2020 21:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
73	100		
57	23.1	18.3	27.5

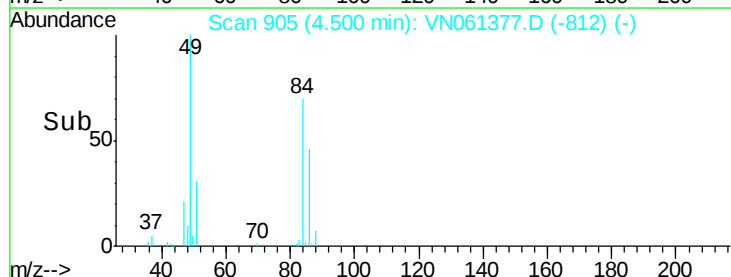
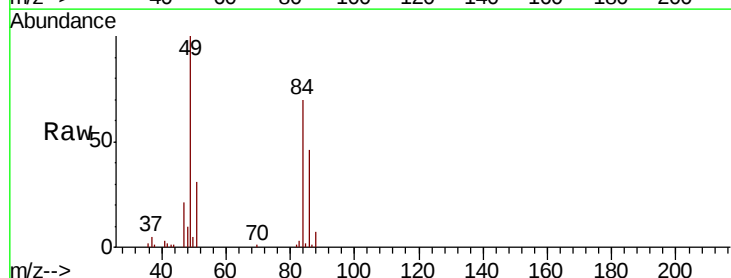
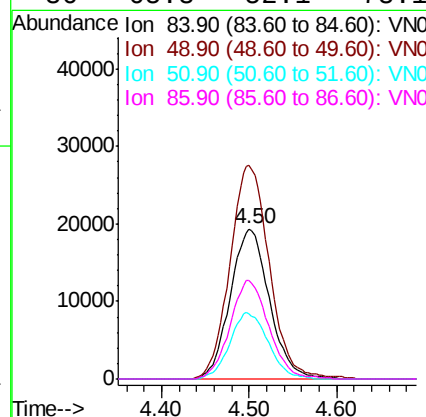
Manual Integrations
APPROVED

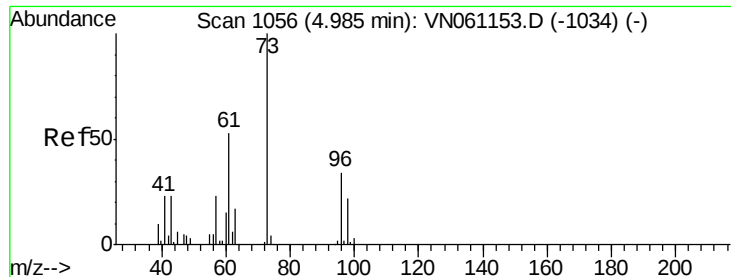
MMDadoda
5/11/2020 12:36:52 PM



#20
Methylene Chloride
Concen: 47.678 ug/l
RT: 4.50 min Scan# 905
Delta R.T. 0.00 min
Lab File: VN061377.D
Acq: 8 May 2020 21:11

Tgt Ion	Ratio	Lower	Upper
84	100		
49	142.4	112.0	168.0
51	43.7	33.6	50.4
86	65.8	52.1	78.1





#21

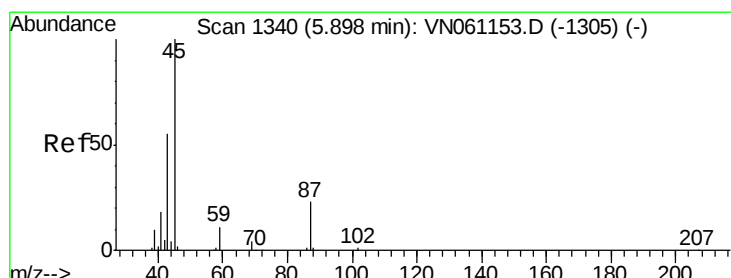
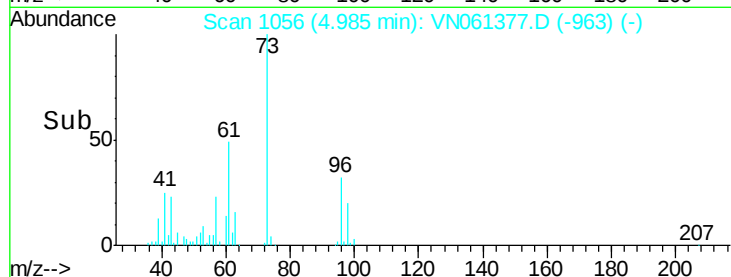
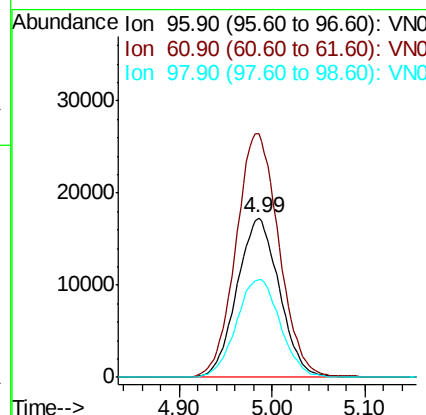
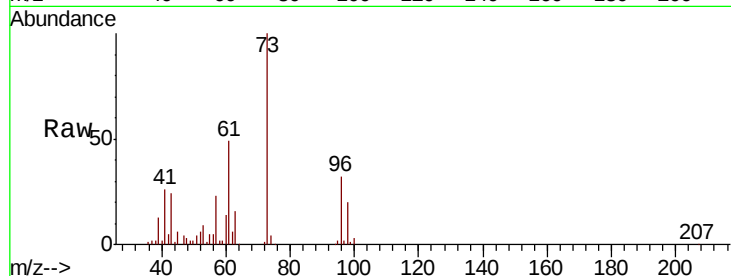
trans-1,2-Dichloroethene
Concen: 46.804 ug/l
RT: 4.99 min Scan# 1056
Delta R.T. 0.00 min
Lab File: VN061377.D
Acq: 8 May 2020 21:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	152.5	123.0	184.4
98	61.4	50.1	75.1

Manual Integrations
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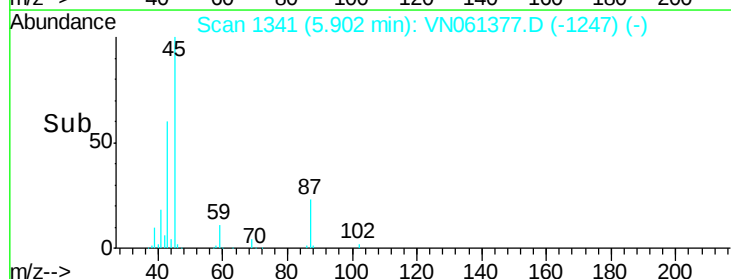
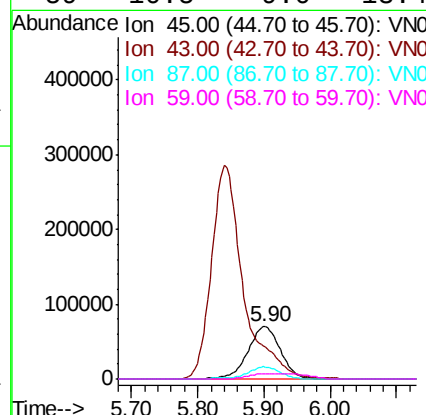
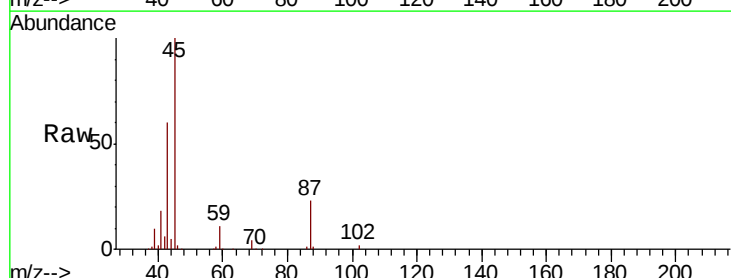
MMDadoda
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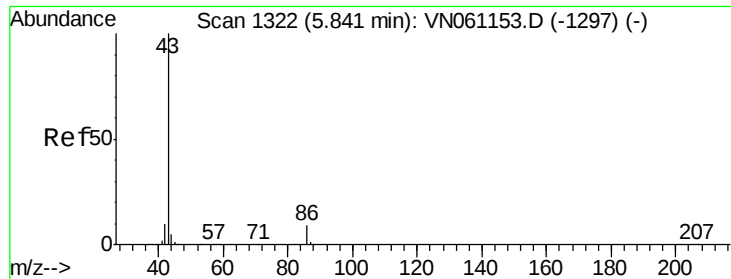


#22

Diisopropyl ether
Concen: 51.658 ug/l
RT: 5.90 min Scan# 1341
Delta R.T. 0.00 min
Lab File: VN061377.D
Acq: 8 May 2020 21:11

Tgt Ion	Ratio	Lower	Upper
45	100		
43	59.1	47.9	71.9
87	23.2	19.2	28.8
59	10.5	9.0	13.4





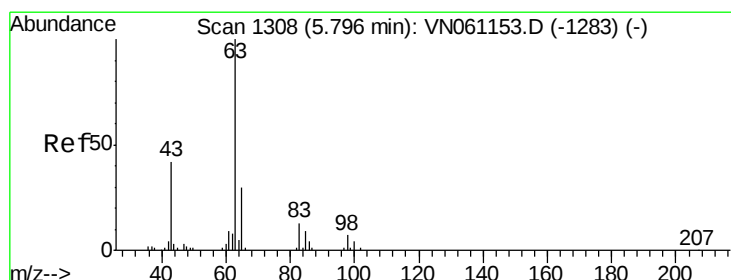
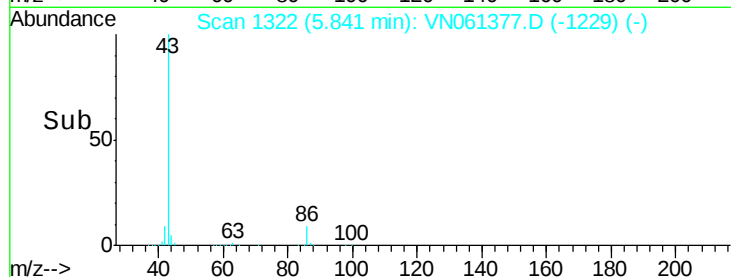
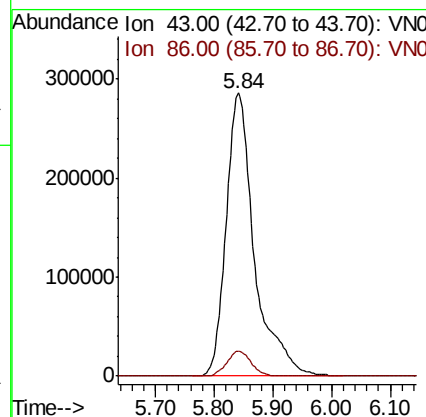
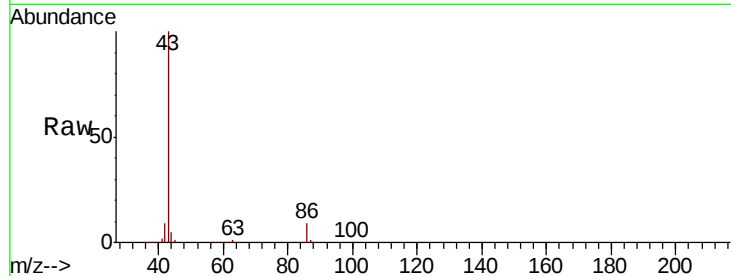
#23
 Vinyl Acetate
 Concen: 256.222 ug/l
 RT: 5.84 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VN061377.D
 Acq: 8 May 2020 21:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
43	100	954654		
86	8.9		7.2	10.8

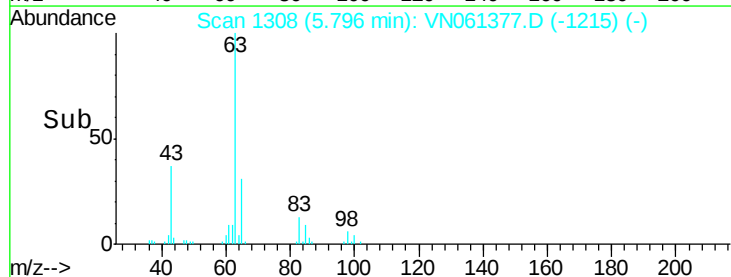
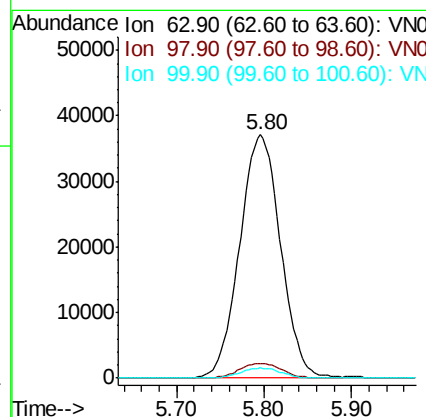
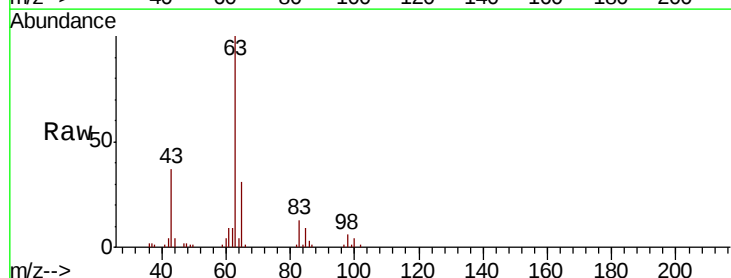
Manual Integrations
 APPROVED

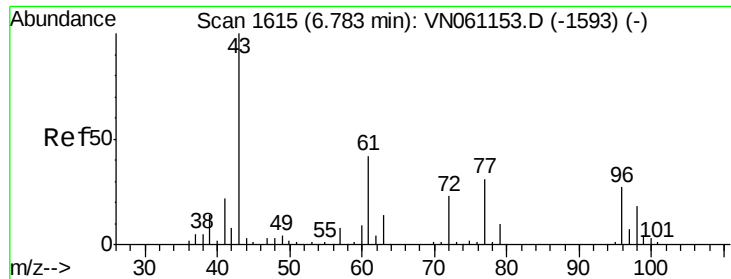
MMDadoda
 5/11/2020 12:36:52 PM



#24
 1,1-Dichloroethane
 Concen: 49.769 ug/l
 RT: 5.80 min Scan# 1308
 Delta R.T. 0.00 min
 Lab File: VN061377.D
 Acq: 8 May 2020 21:11

Tgt Ion	Ratio	Resp	Lower	Upper
63	100	120328		
98	6.1		3.3	9.9
100	4.2		1.9	5.7





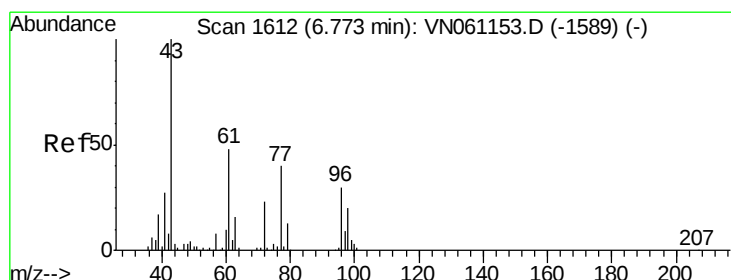
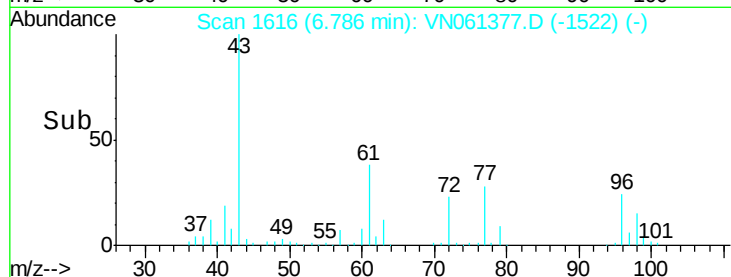
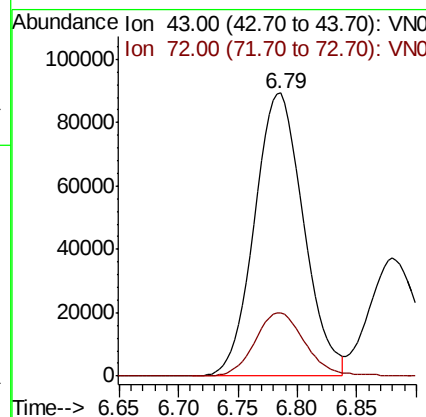
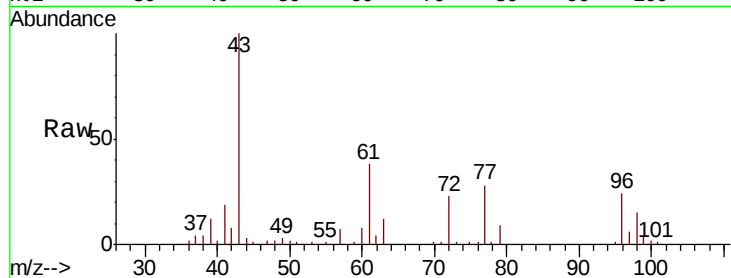
#25
2-Butanone
Concen: 267.246 ug/l
RT: 6.79 min Scan# 1616
Delta R.T. 0.00 min
Lab File: VN061377.D
Acq: 8 May 2020 21:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 255235
Ion Ratio Lower Upper
43 100
72 22.5 18.2 27.4

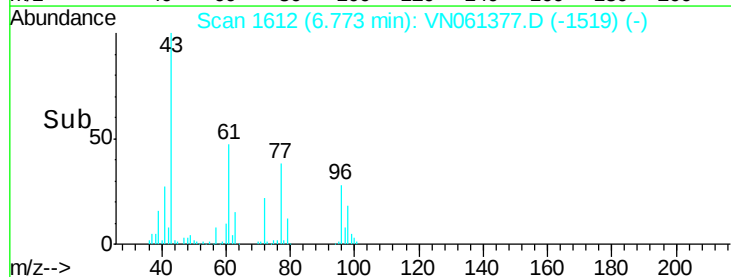
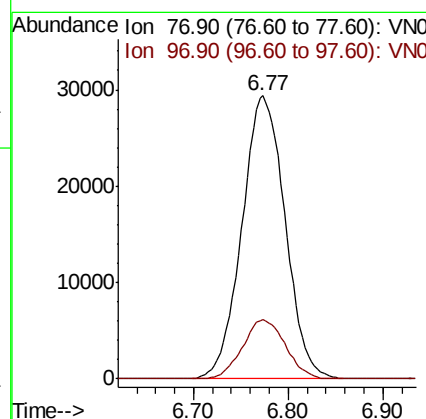
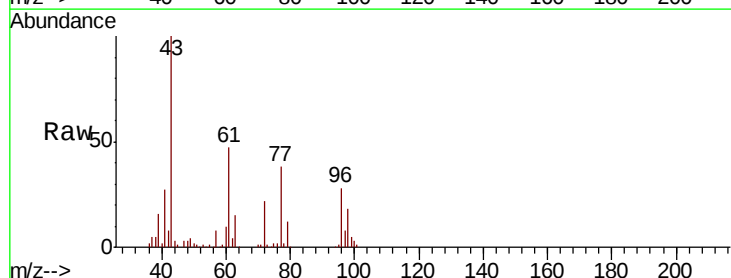
Manual Integrations
APPROVED

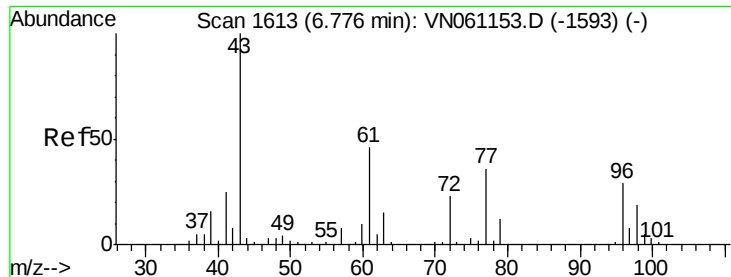
MMDadoda
5/11/2020 12:36:52 PM



#26
2,2-Dichloropropane
Concen: 45.661 ug/l
RT: 6.77 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VN061377.D
Acq: 8 May 2020 21:11

Tgt Ion: 77 Resp: 92985
Ion Ratio Lower Upper
77 100
97 20.7 10.5 31.5





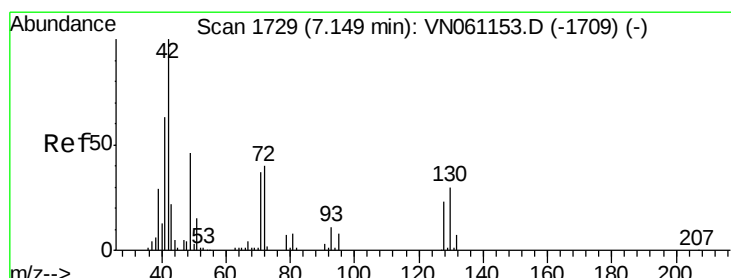
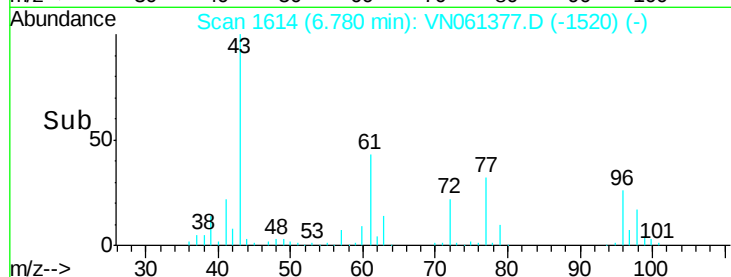
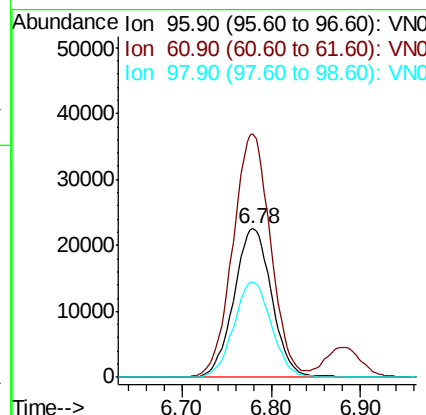
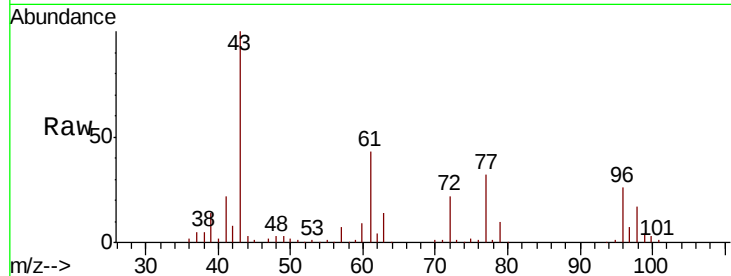
#27
 cis-1,2-Dichloroethene
 Concen: 48.184 ug/l
 RT: 6.78 min Scan# 1614
 Delta R.T. 0.00 min
 Lab File: VN061377.D
 Acq: 8 May 2020 21:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100	66265		
61	163.3	0.0	322.0	
98	63.9	0.0	129.6	

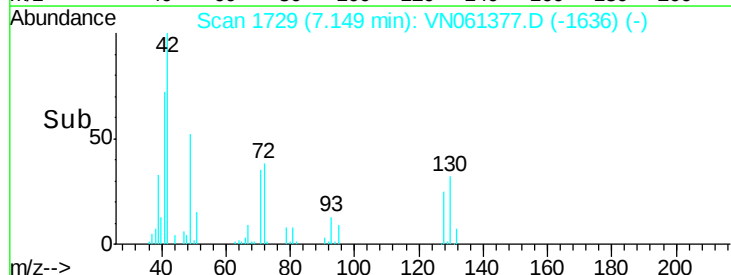
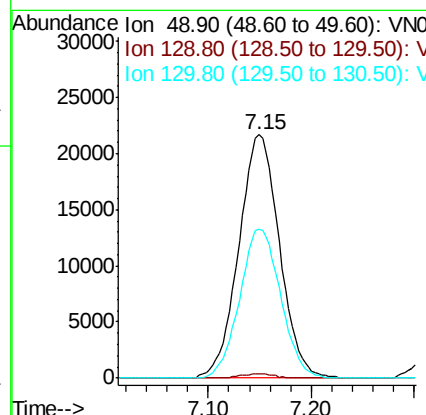
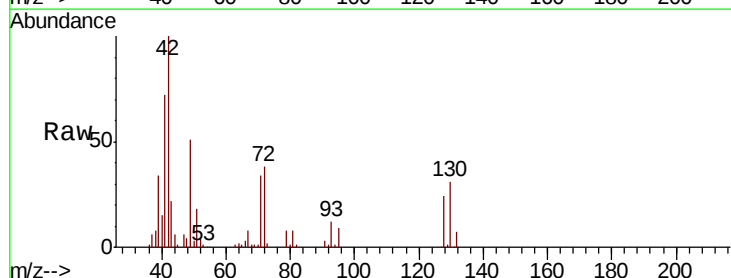
Manual Integrations
 APPROVED

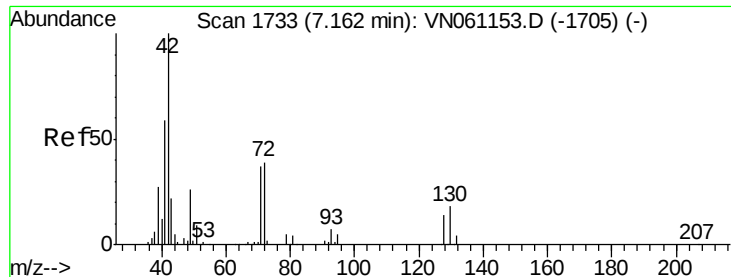
MMDadoda
 5/11/2020 12:36:52 PM



#28
 Bromochloromethane
 Concen: 51.842 ug/l
 RT: 7.15 min Scan# 1729
 Delta R.T. 0.00 min
 Lab File: VN061377.D
 Acq: 8 May 2020 21:11

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	59408		
129	1.3	0.0	3.0	
130	61.7	51.4	77.2	





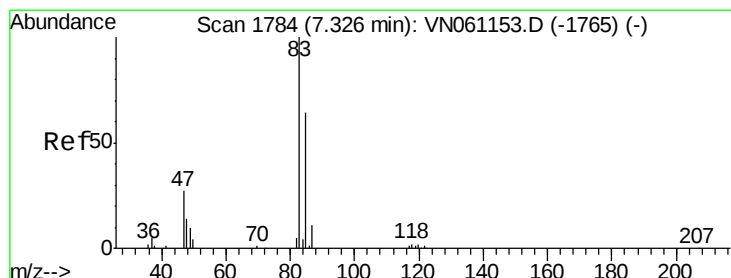
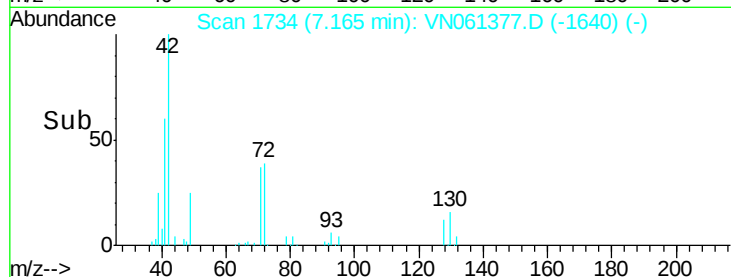
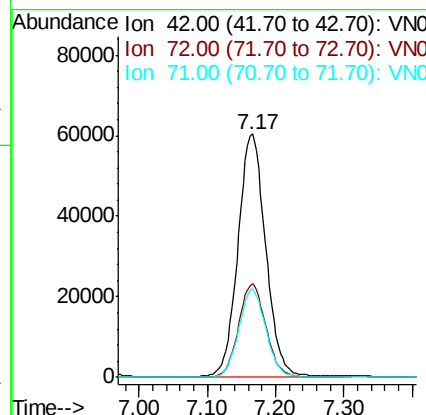
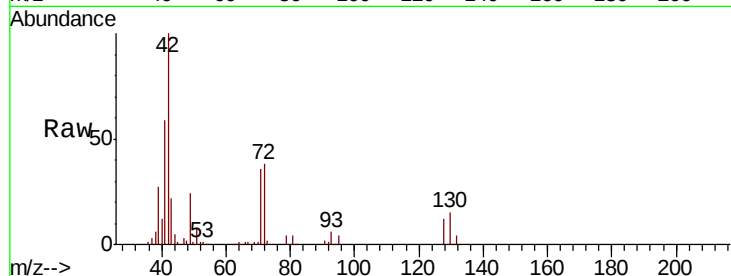
#29
Tetrahydrofuran
Concen: 267.220 ug/l
RT: 7.17 min Scan# 1734
Delta R.T. 0.00 min
Lab File: VN061377.D
Acq: 8 May 2020 21:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
42	100	171915		
72	37.7		31.4	47.0
71	35.3		29.5	44.3

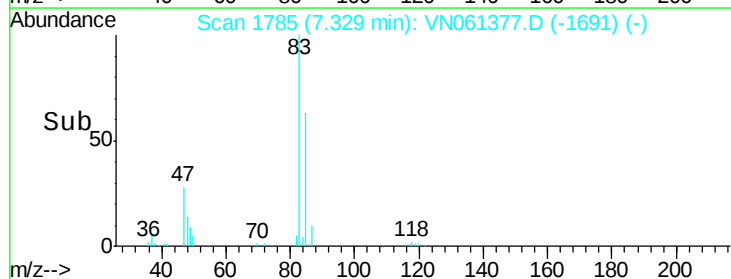
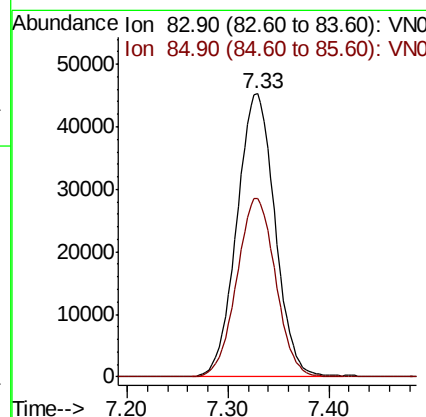
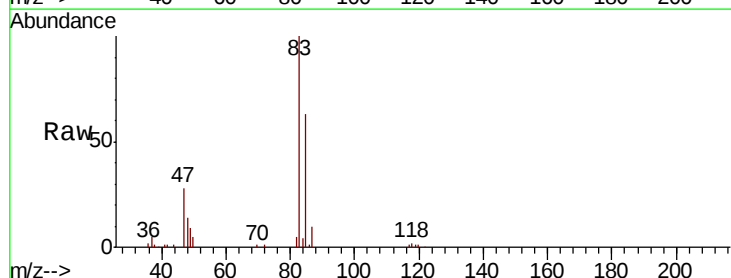
Manual Integrations
APPROVED

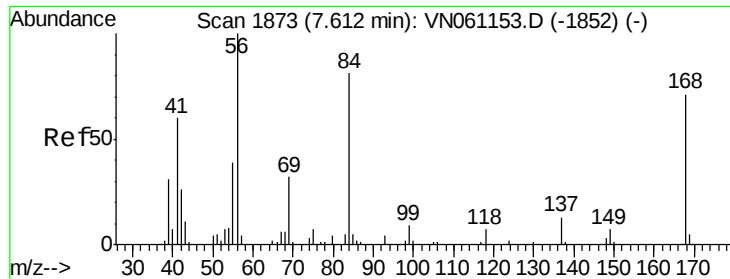
MMDadoda
5/11/2020 12:36:52 PM



#30
Chloroform
Concen: 48.406 ug/l
RT: 7.33 min Scan# 1785
Delta R.T. 0.00 min
Lab File: VN061377.D
Acq: 8 May 2020 21:11

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	118600		
85	63.2		51.1	76.7





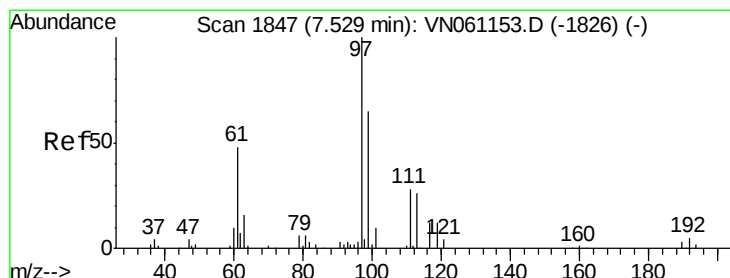
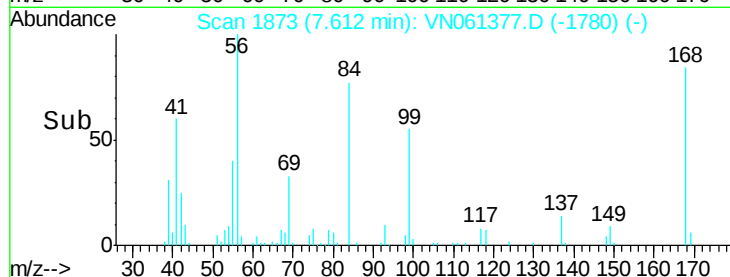
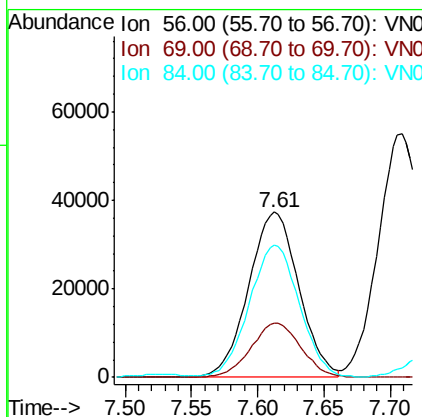
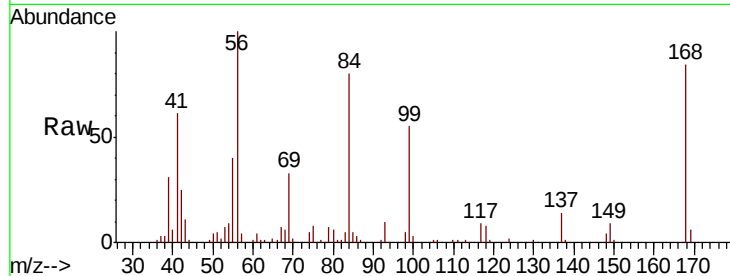
#31
Cyclohexane
Concen: 41.890 ug/l
RT: 7.61 min Scan# 1873
Delta R.T. 0.00 min
Lab File: VN061377.D
Acq: 8 May 2020 21:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	33.1	25.7	38.5
84	79.3	64.6	97.0

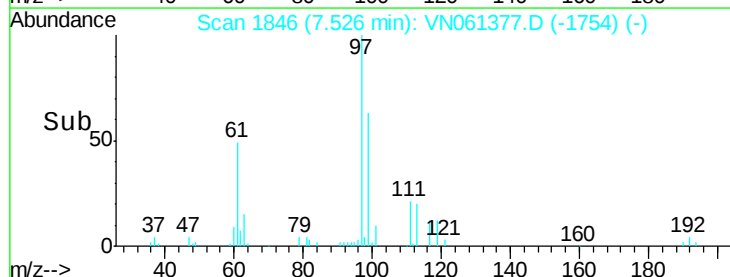
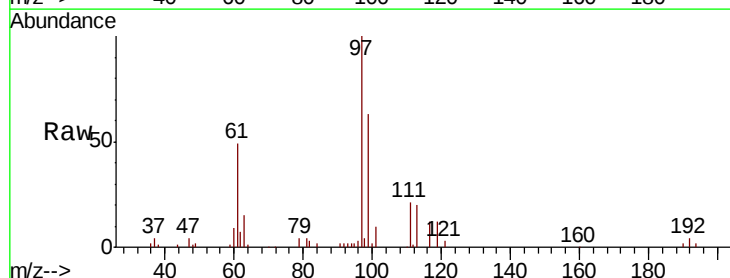
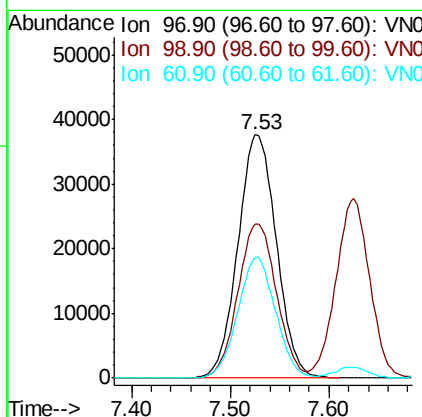
Manual Integrations
APPROVED

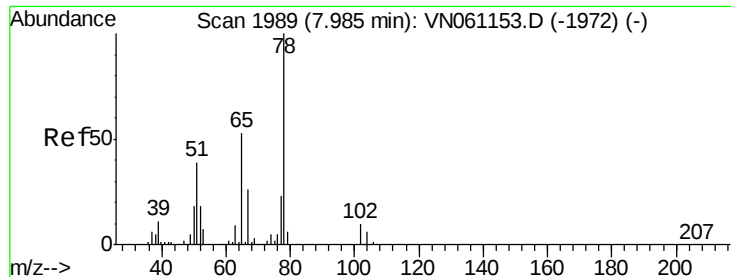
MMDadoda
5/11/2020 12:36:52 PM



#32
1,1,1-Trichloroethane
Concen: 47.733 ug/l
RT: 7.53 min Scan# 1846
Delta R.T. -0.00 min
Lab File: VN061377.D
Acq: 8 May 2020 21:11

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.5	51.3	76.9
61	48.9	38.6	57.8





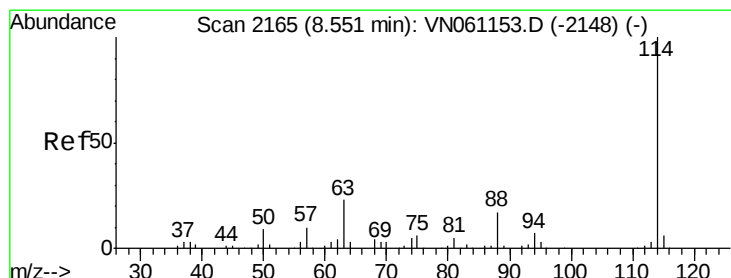
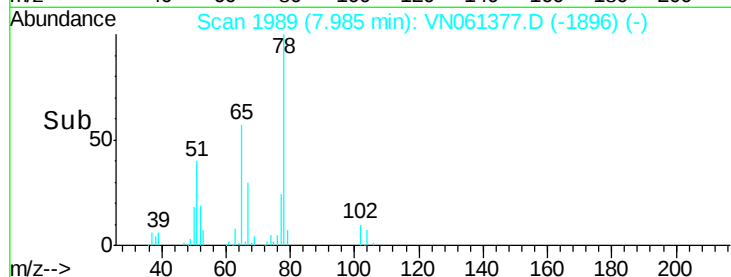
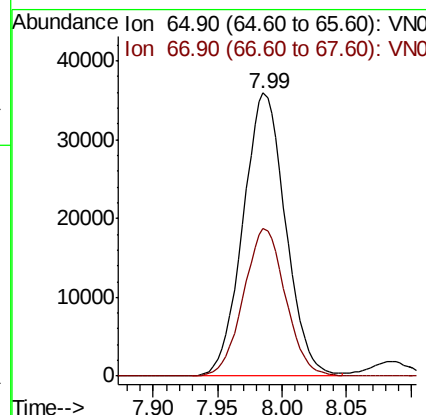
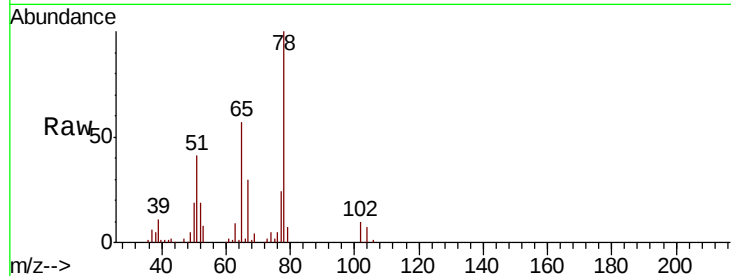
#33
 1,2-Dichloroethane-d4
 Concen: 51.219 ug/l
 RT: 7.99 min Scan# 1989
 Delta R.T. 0.00 min
 Lab File: VN061377.D
 Acq: 8 May 2020 21:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
65	100		
67	51.3	0.0	101.6

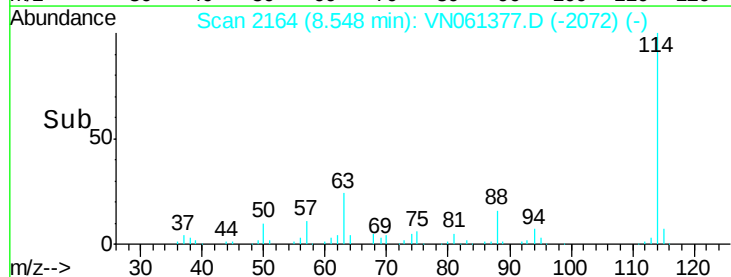
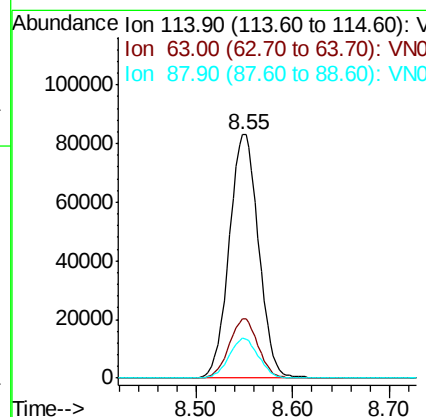
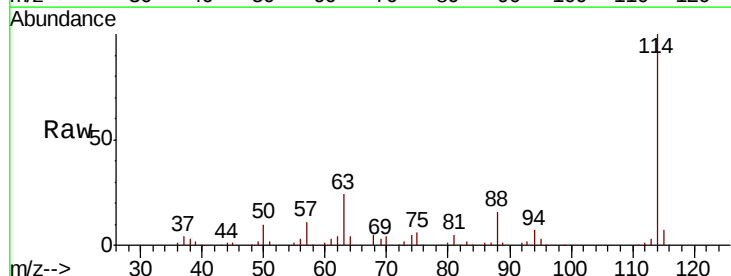
Manual Integrations
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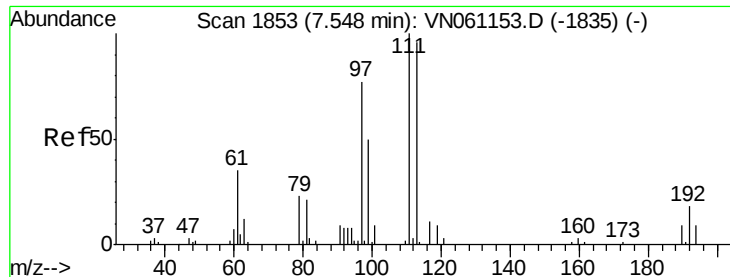
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2164
 Delta R.T. -0.00 min
 Lab File: VN061377.D
 Acq: 8 May 2020 21:11

Tgt Ion	Ratio	Lower	Upper
114	100		
63	24.2	0.0	46.6
88	16.3	0.0	33.4





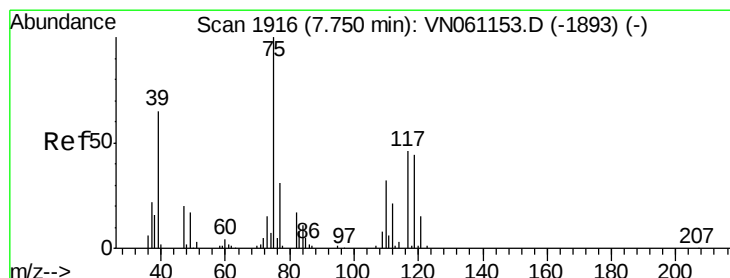
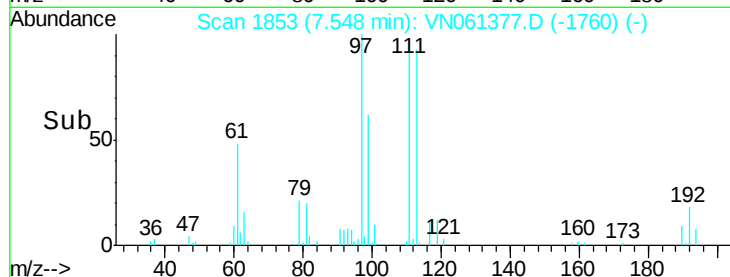
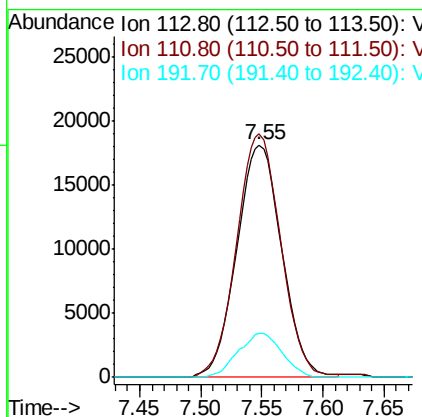
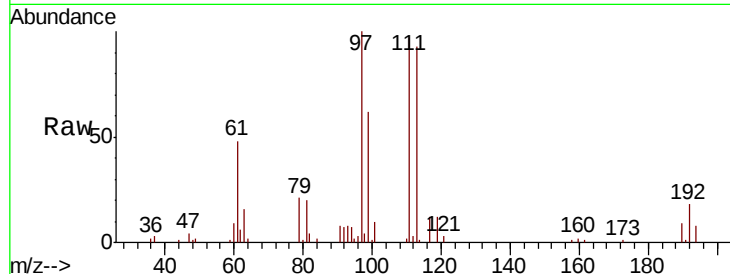
#35
 Dibromofluoromethane
 Concen: 44.519 ug/l
 RT: 7.55 min Scan# 1853
 Delta R.T. 0.00 min
 Lab File: VN061377.D
 Acq: 8 May 2020 21:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.9	82.9	124.3
192	18.5	14.7	22.1

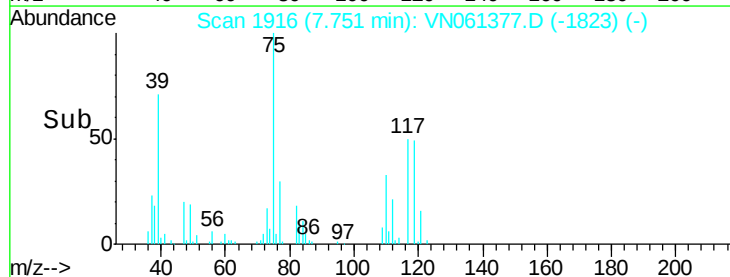
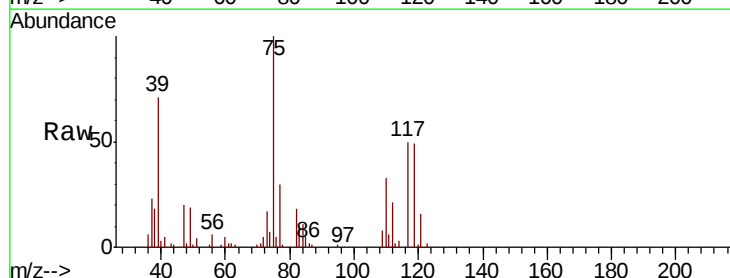
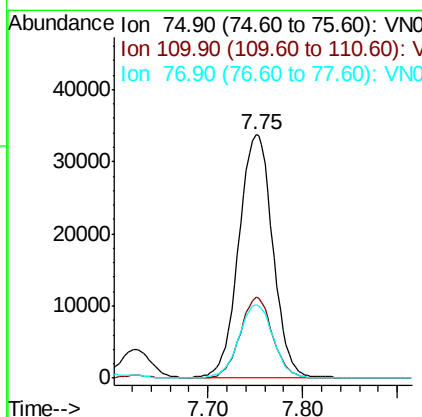
Manual Integrations
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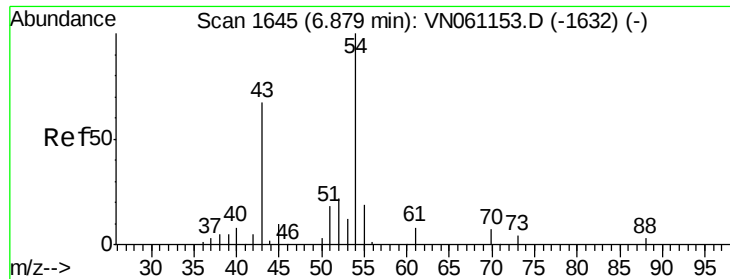
MMDadoda
 5/11/2020 12:36:52 PM



#36
 1,1-Dichloropropene
 Concen: 48.083 ug/l
 RT: 7.75 min Scan# 1916
 Delta R.T. 0.00 min
 Lab File: VN061377.D
 Acq: 8 May 2020 21:11

Tgt Ion	Ratio	Lower	Upper
75	100		
110	31.6	16.0	48.0
77	30.4	24.6	37.0





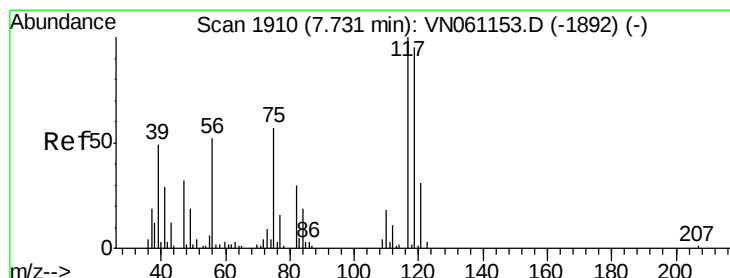
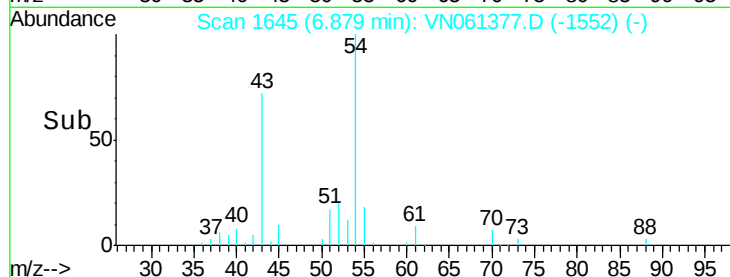
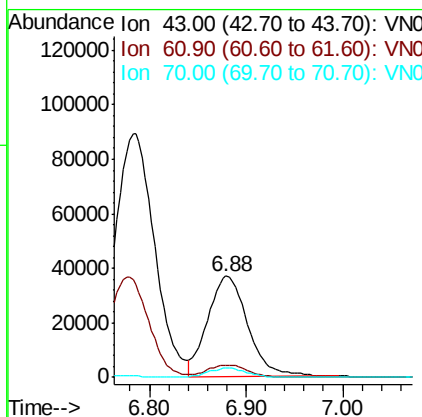
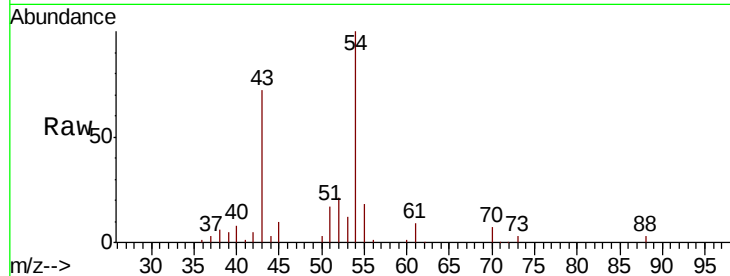
#37
Ethyl Acetate
Concen: 51.657 ug/l
RT: 6.88 min Scan# 1645
Delta R.T. 0.00 min
Lab File: VN061377.D
Acq: 8 May 2020 21:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.3	10.2	15.2
70	8.8	7.2	10.8

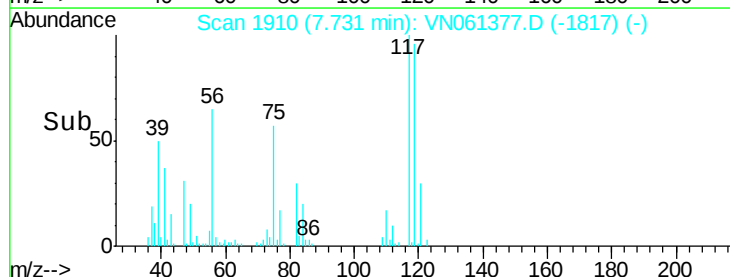
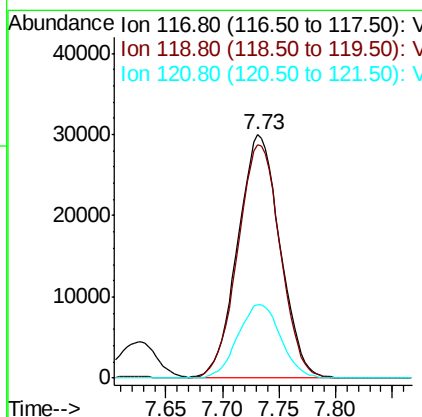
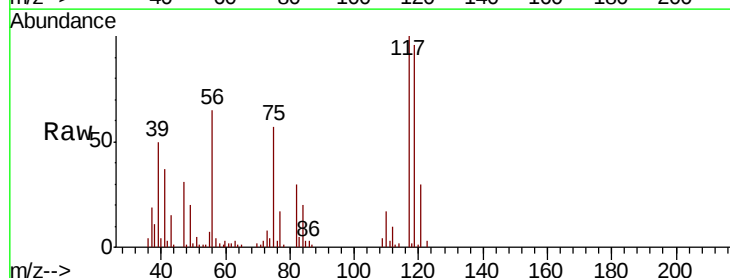
Manual Integrations
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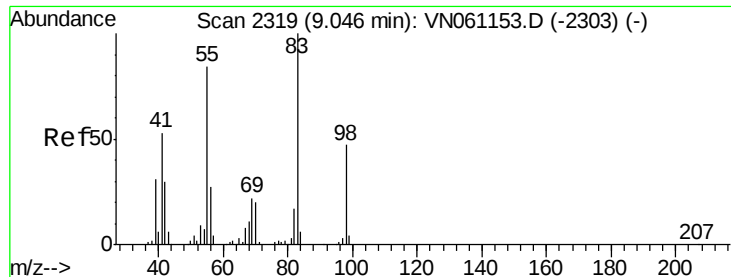
MMDadoda
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#38
Carbon Tetrachloride
Concen: 48.710 ug/l
RT: 7.73 min Scan# 1910
Delta R.T. 0.00 min
Lab File: VN061377.D
Acq: 8 May 2020 21:11

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.6	75.8	113.6
121	30.3	24.7	37.1





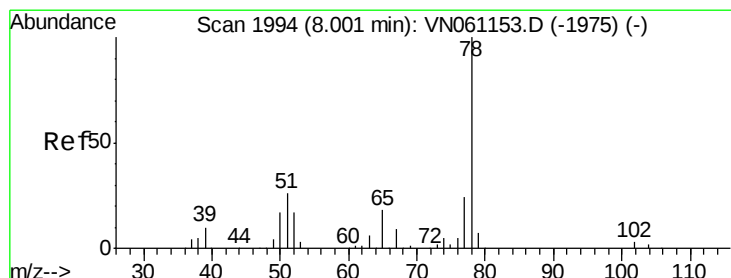
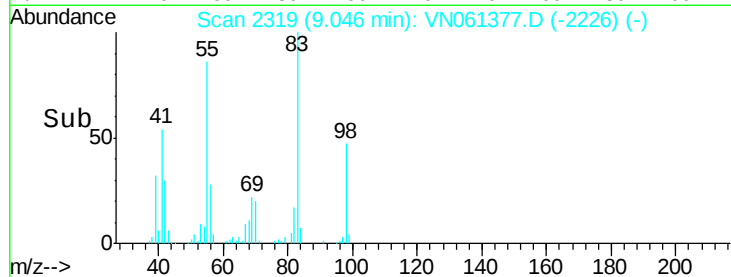
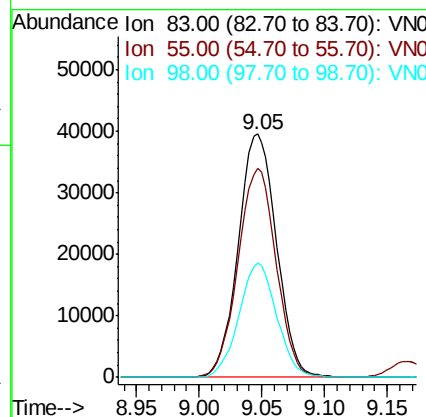
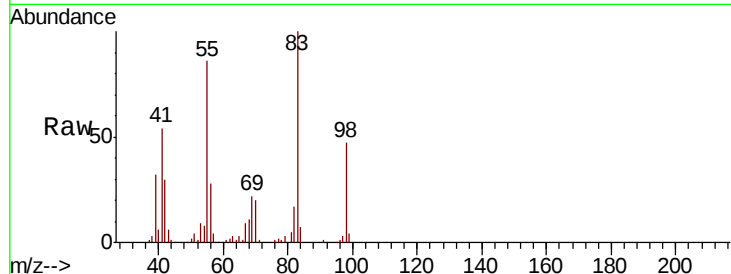
#39
Methvlcvclohexane
Concen: 42.559 ug/l
RT: 9.05 min Scan# 2319
Delta R.T. 0.00 min
Lab File: VN061377.D
Acq: 8 May 2020 21:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	83.00	Resp:	83855
Ion	Ratio	Lower	Upper
83	100		
55	86.1	67.3	100.9
98	47.1	37.7	56.5

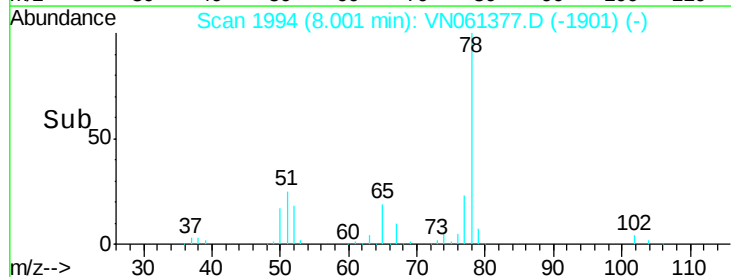
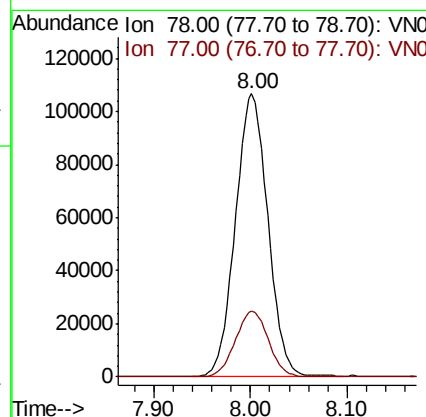
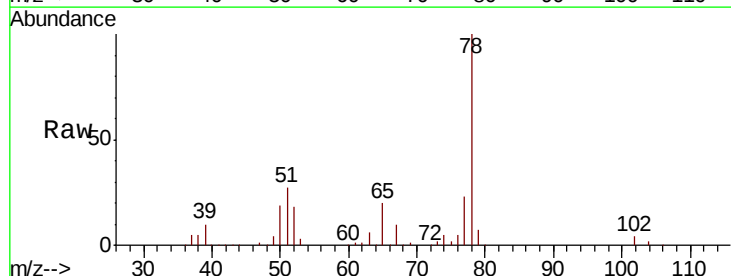
Manual Integrations
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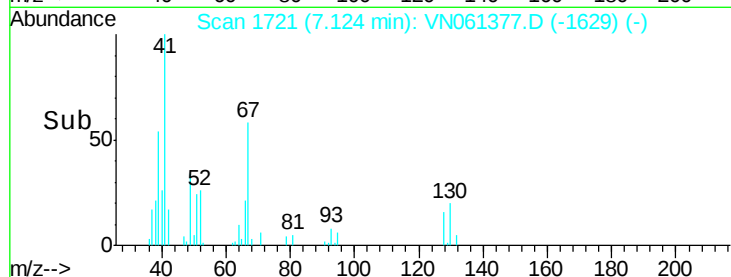
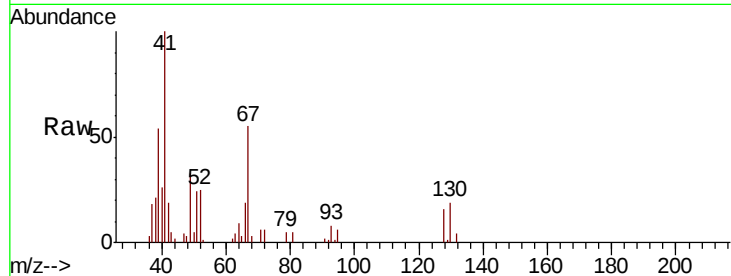
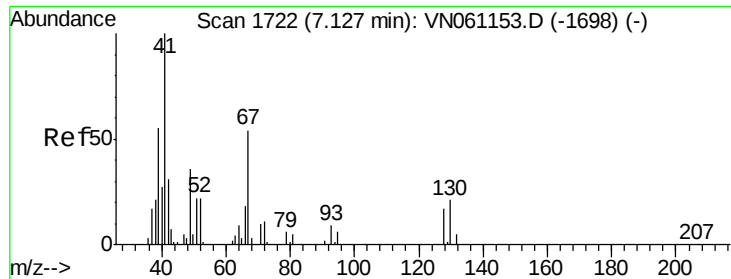
MMDadoda
5/11/2020 12:36:52 PM



#40
Benzene
Concen: 47.715 ug/l
RT: 8.00 min Scan# 1994
Delta R.T. 0.00 min
Lab File: VN061377.D
Acq: 8 May 2020 21:11

Tgt Ion	78.00	Resp:	249752
Ion	Ratio	Lower	Upper
78	100		
77	23.3	19.0	28.6





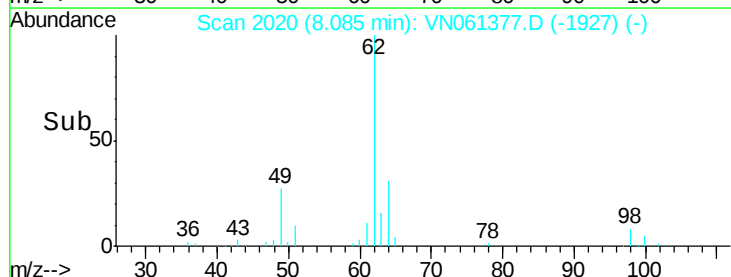
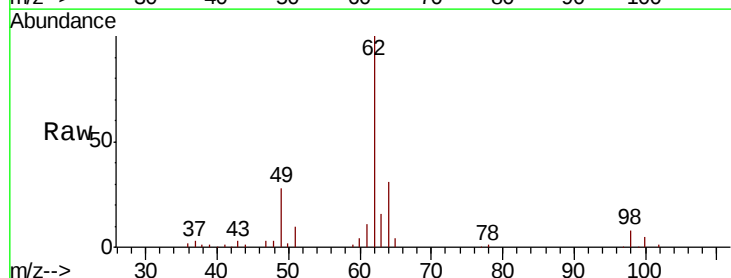
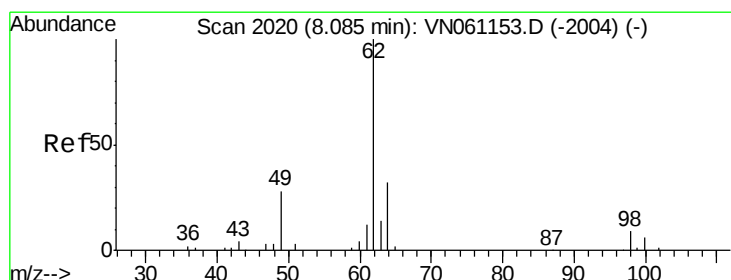
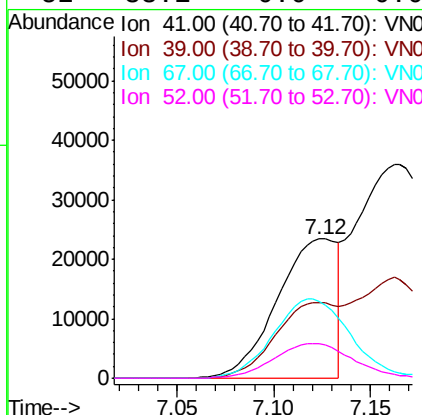
#41
Methacrylonitrile
Concen: 59.474 ug/l
RT: 7.12 min Scan# 1721
Delta R.T. -0.00 min
Lab File: VN061377.D
Acq: 8 May 2020 21:11

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100				
39	55.0	0.0	0.0#		
67	73.1	0.0	0.0#		
52	33.1	0.0	0.0#		

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

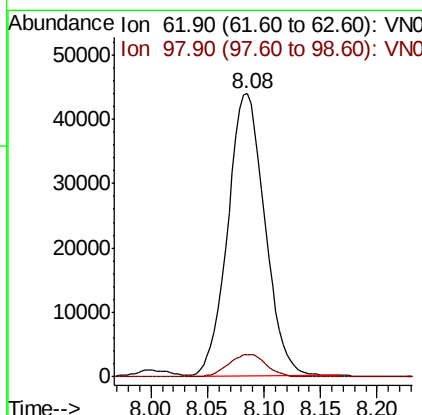
Manual Integrations
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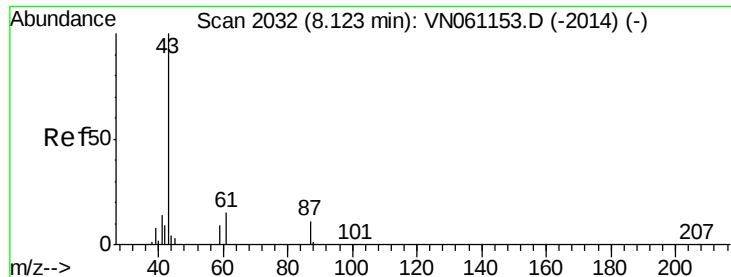
MMDadoda
5/11/2020 12:36:52 PM



#42
1,2-Dichloroethane
Concen: 50.456 ug/l
RT: 8.08 min Scan# 2020
Delta R.T. 0.00 min
Lab File: VN061377.D
Acq: 8 May 2020 21:11

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100				
98	8.1	0.0	16.8		





#43

Isopropyl Acetate

Concen: 50.993 ug/l

RT: 8.13 min Scan# 2033

Delta R.T. 0.00 min

Lab File: VN061377.D

Acq: 8 May 2020 21:11

Instrument :

MSVOA_N

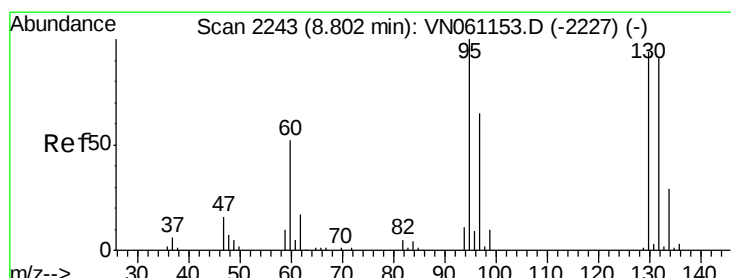
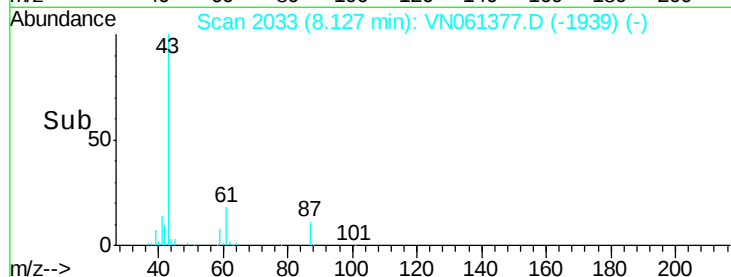
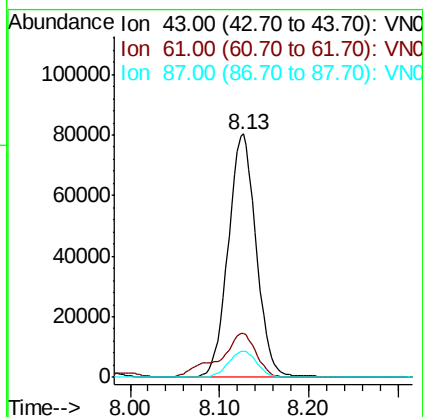
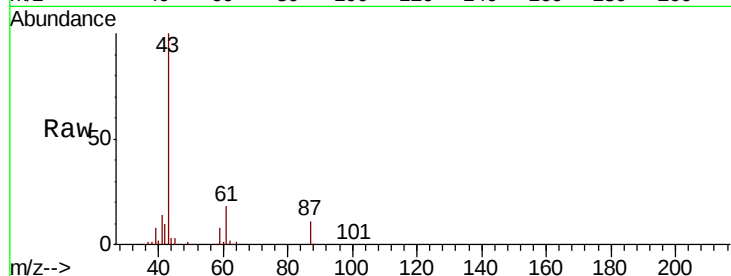
ClientSampleID :

VSTDC050EC

Tot Ion:	43	Resp:	174307
Ion	Ratio	Lower	Upper
43	100		
61	24.0	19.5	29.3
87	10.9	8.9	13.3

Manual Integrations
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#44

Trichloroethene

Concen: 43.566 ug/l

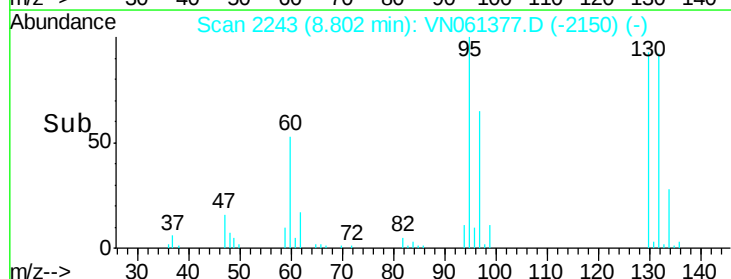
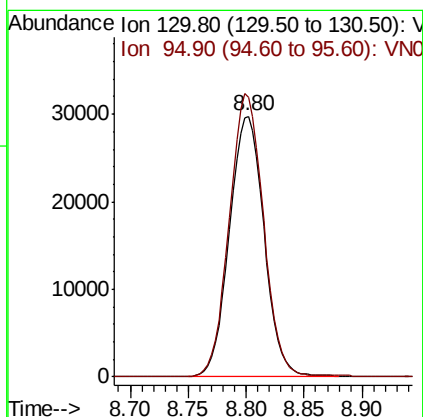
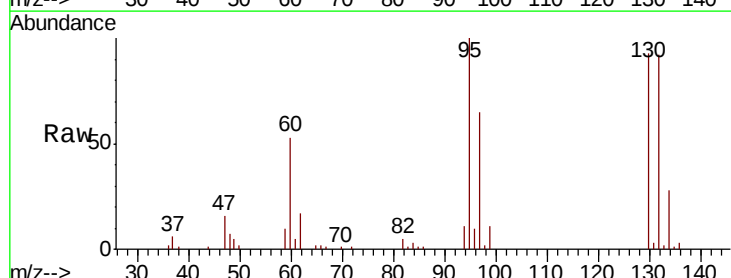
RT: 8.80 min Scan# 2243

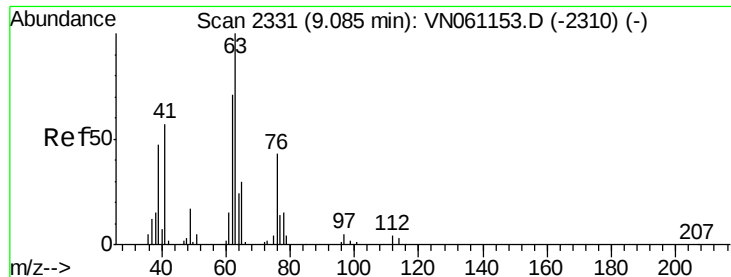
Delta R.T. 0.00 min

Lab File: VN061377.D

Acq: 8 May 2020 21:11

Tgt Ion:	130	Resp:	61645
Ion	Ratio	Lower	Upper
130	100		
95	107.3	0.0	212.4





#45

1,2-Dichloropropane

Concen: 50.742 ug/l

RT: 9.08 min Scan# 2330

Delta R.T. -0.00 min

Lab File: VN061377.D

Acq: 8 May 2020 21:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 70957

Ion Ratio Lower Upper

63 100

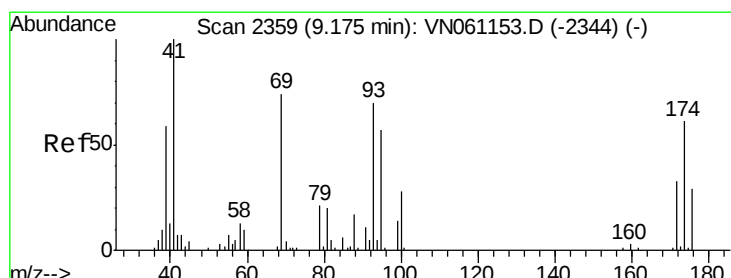
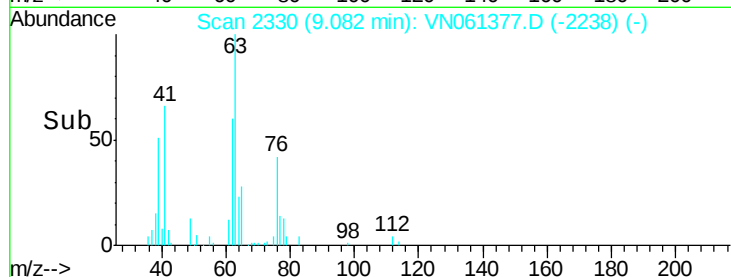
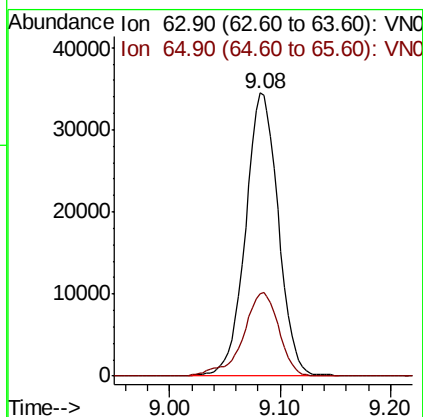
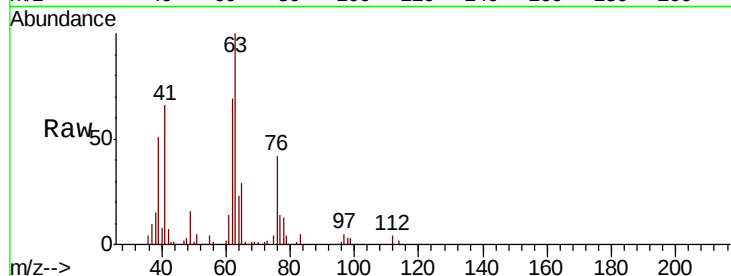
65 29.2 24.7 37.1

Manual Integrations

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#46

Dibromomethane

Concen: 50.573 ug/l

RT: 9.17 min Scan# 2359

Delta R.T. 0.00 min

Lab File: VN061377.D

Acq: 8 May 2020 21:11

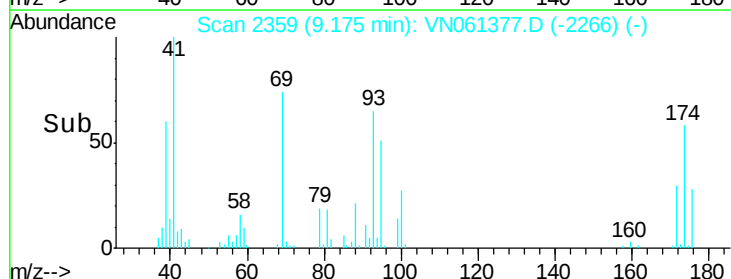
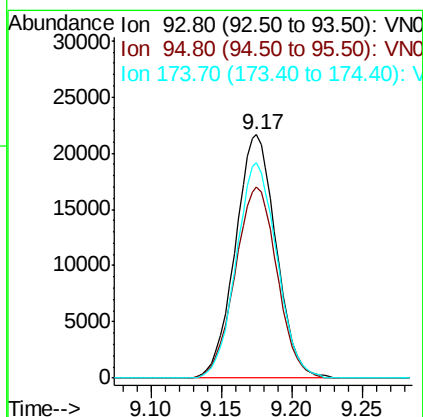
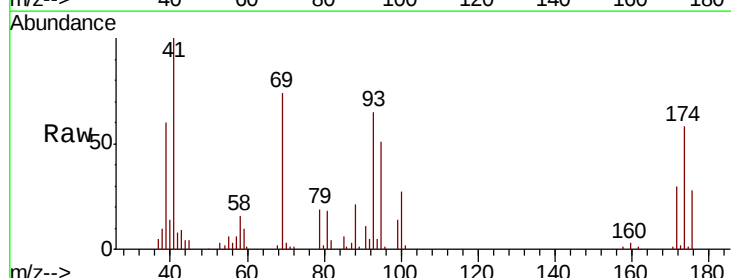
Tgt Ion: 93 Resp: 43788

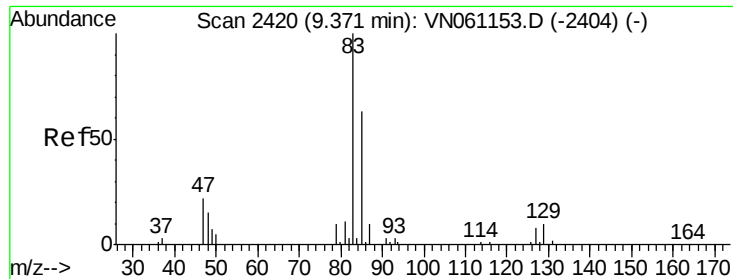
Ion Ratio Lower Upper

93 100

95 80.6 66.6 99.8

174 88.2 70.2 105.2





#47

Bromodichloromethane

Concen: 51.109 ug/l

RT: 9.37 min Scan# 2420

Delta R.T. 0.00 min

Lab File: VN061377.D

Acq: 8 May 2020 21:11

Instrument :

MSVOA_N

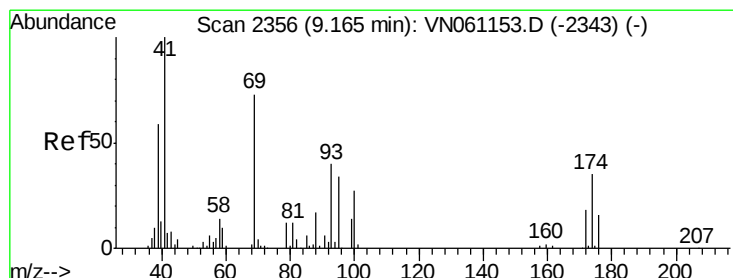
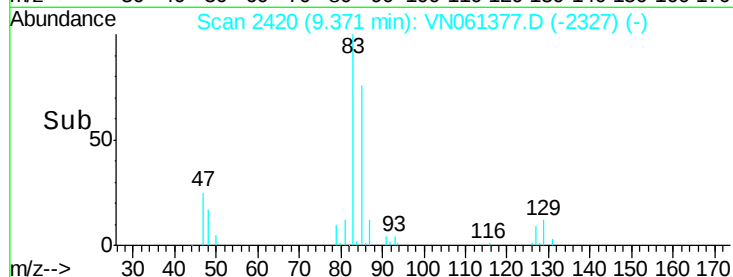
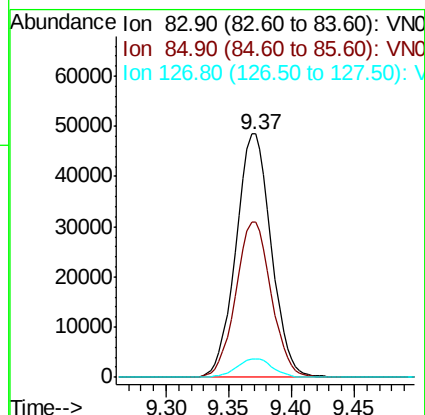
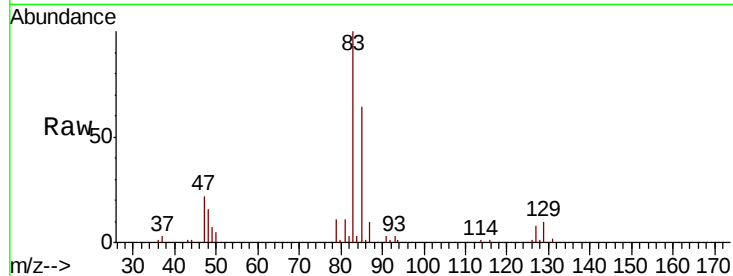
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	94982
Ion Ratio	Lower	Upper	
83	100		
85	63.9	50.4	75.6
127	7.8	6.2	9.2

Manual Integrations
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#48

Methyl methacrylate

Concen: 53.693 ug/l

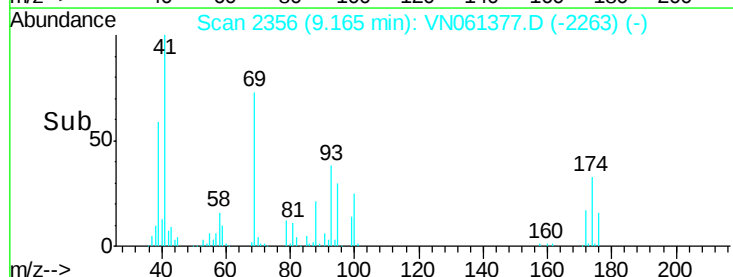
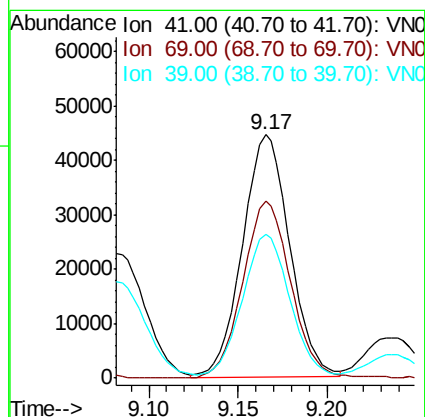
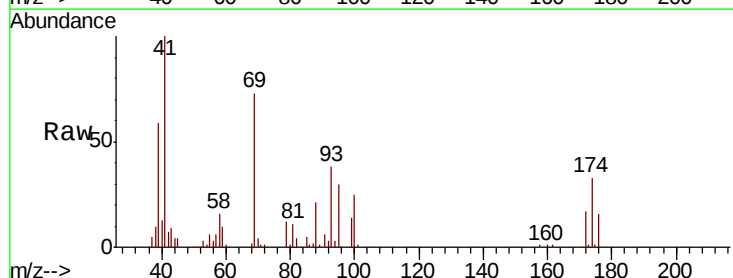
RT: 9.17 min Scan# 2356

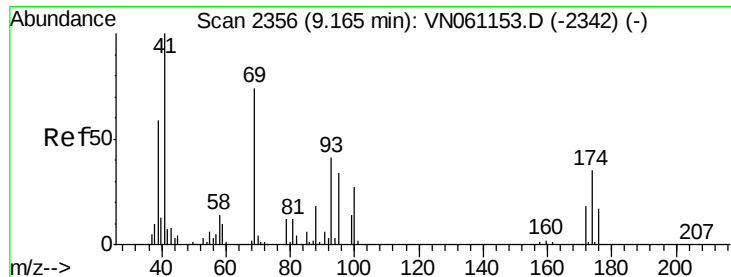
Delta R.T. 0.00 min

Lab File: VN061377.D

Acq: 8 May 2020 21:11

Tgt Ion:	41	Resp:	82822
Ion Ratio	Lower	Upper	
41	100		
69	74.0	60.3	90.5
39	60.4	47.4	71.0





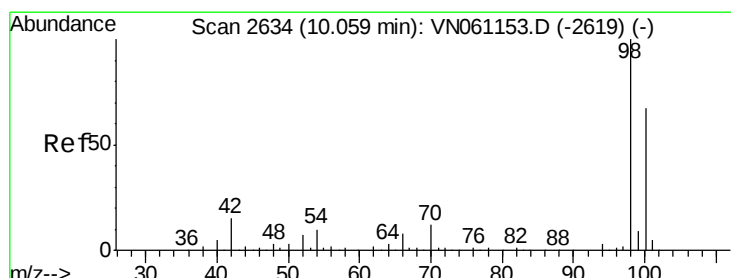
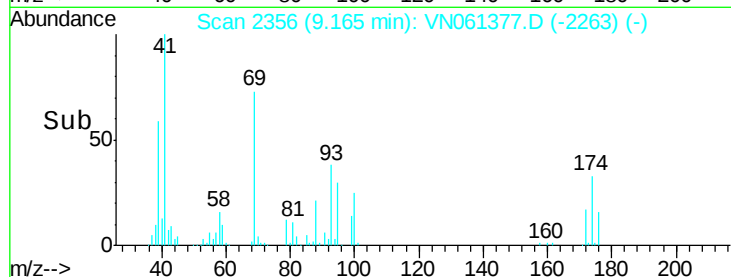
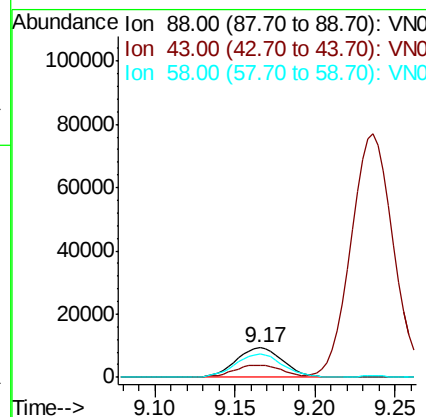
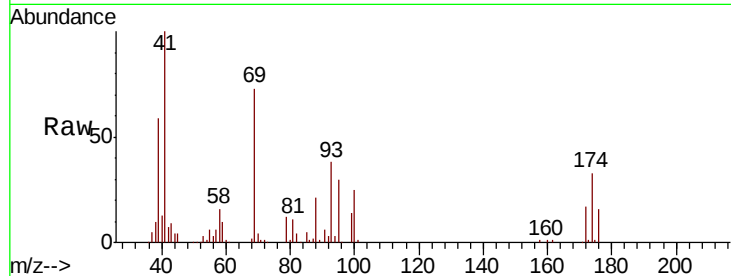
#49
1,4-Dioxane
Concen: 1083.253 ug/l
RT: 9.17 min Scan# 2356
Delta R.T. 0.00 min
Lab File: VN061377.D
Acq: 8 May 2020 21:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	43.7	35.3	52.9
58	78.7	61.5	92.3

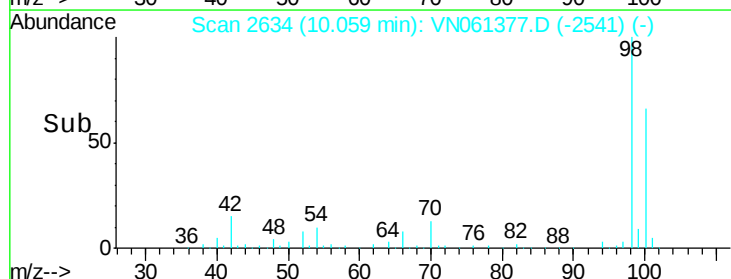
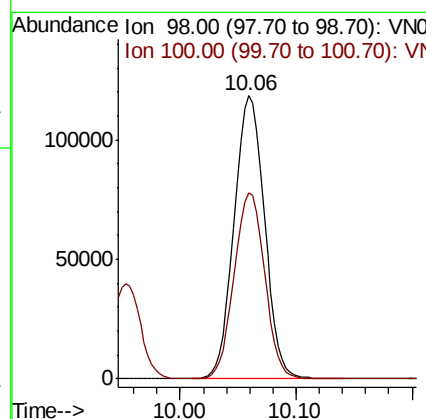
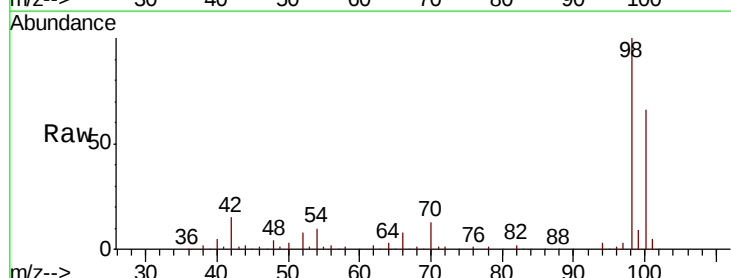
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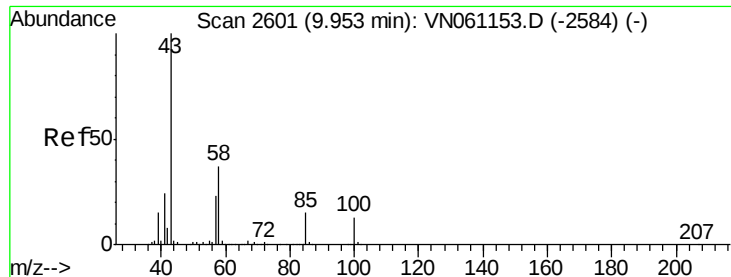
MMDadoda
5/11/2020 12:36:52 PM



#50
Toluene-d8
Concen: 50.877 ug/l
RT: 10.06 min Scan# 2634
Delta R.T. 0.00 min
Lab File: VN061377.D
Acq: 8 May 2020 21:11

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.5	53.4	80.0





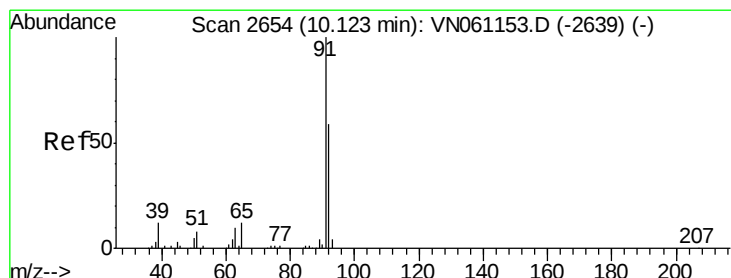
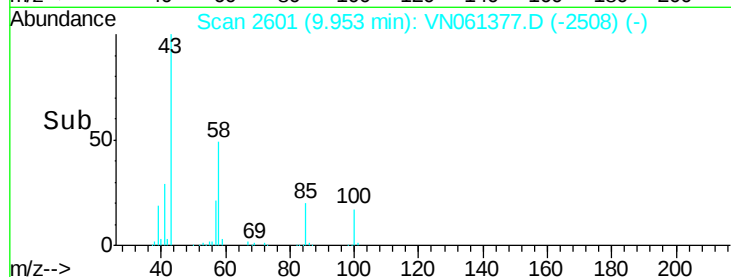
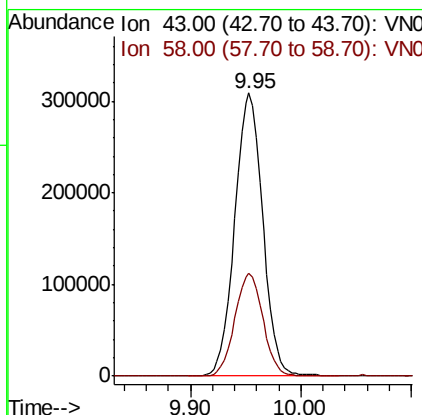
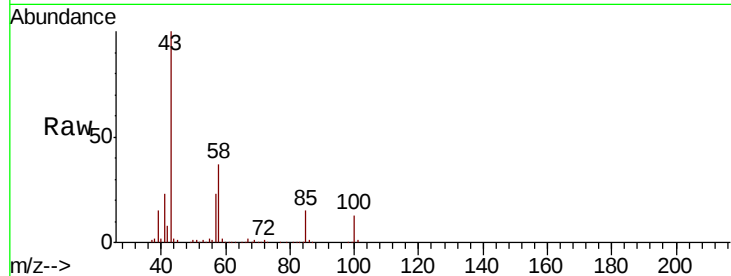
#51
4-Methyl-2-Pentanone
Concen: 270.679 ug/l
RT: 9.95 min Scan# 2601
Delta R.T. 0.00 min
Lab File: VN061377.D
Acq: 8 May 2020 21:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	43	Resp	544619
Ion Ratio	100	Lower	Upper
43	100		
58	36.4	29.1	43.7

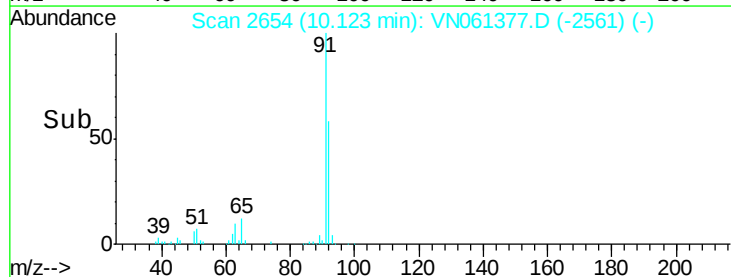
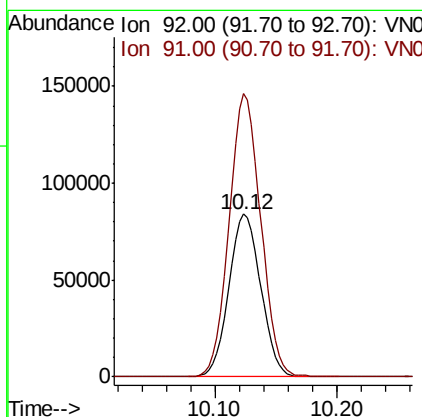
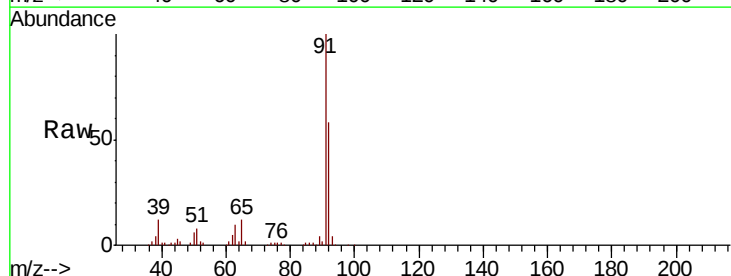
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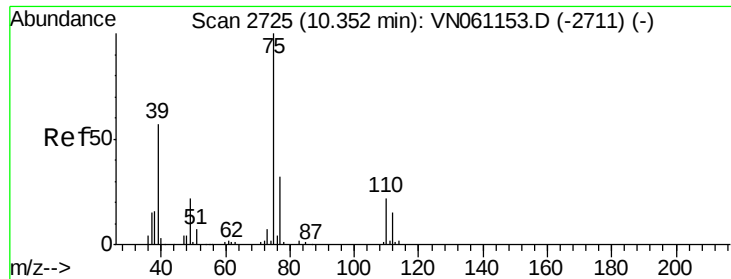
MMDadoda
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#52
Toluene
Concen: 48.583 ug/l
RT: 10.12 min Scan# 2654
Delta R.T. 0.00 min
Lab File: VN061377.D
Acq: 8 May 2020 21:11

Tgt Ion	92	Resp	153171
Ion Ratio	100	Lower	Upper
92	100		
91	172.5	136.2	204.2





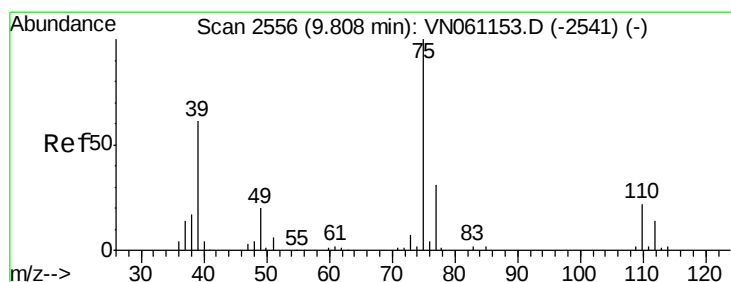
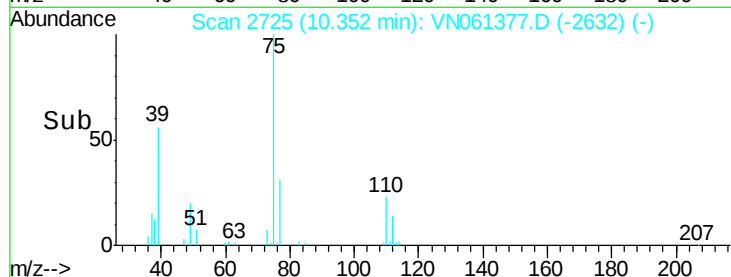
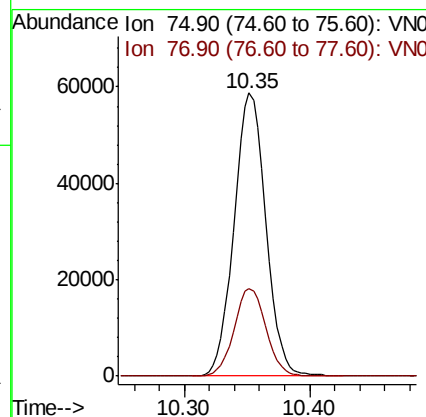
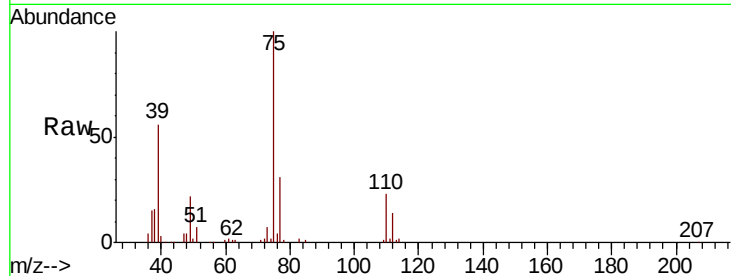
#53
t-1,3-Dichloropropene
Concen: 49.310 ug/l
RT: 10.35 min Scan# 2725
Delta R.T. 0.00 min
Lab File: VN061377.D
Acq: 8 May 2020 21:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.1	25.5	38.3

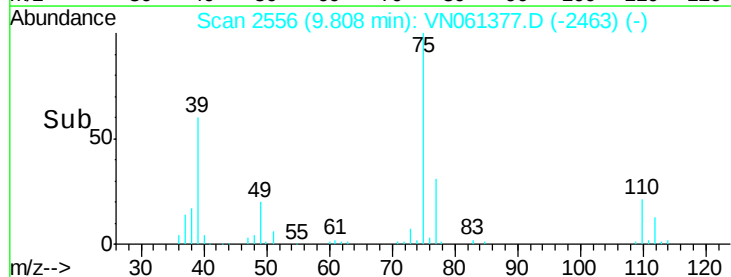
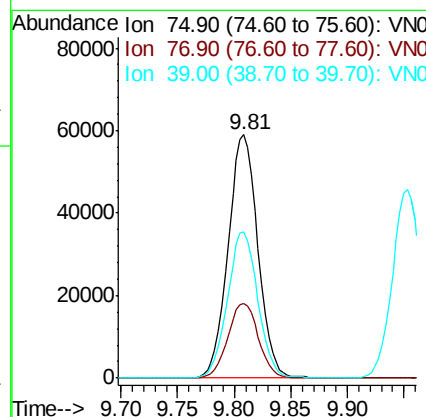
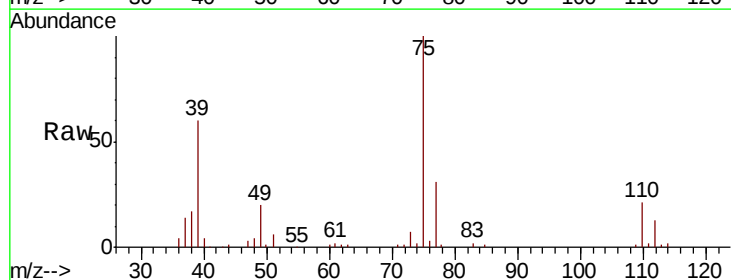
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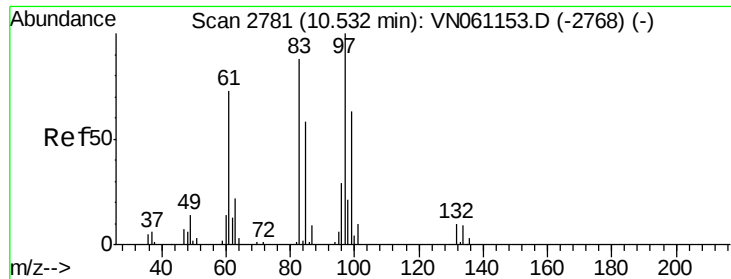
MMDadoda
5/11/2020 12:36:52 PM



#54
cis-1,3-Dichloropropene
Concen: 48.798 ug/l
RT: 9.81 min Scan# 2556
Delta R.T. 0.00 min
Lab File: VN061377.D
Acq: 8 May 2020 21:11

Tgt Ion	Ratio	Lower	Upper
75	100		
77	30.8	25.0	37.4
39	60.2	48.7	73.1





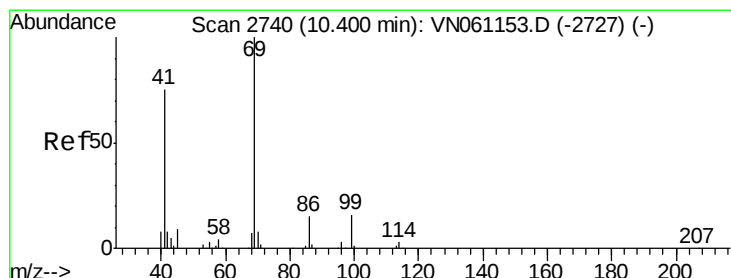
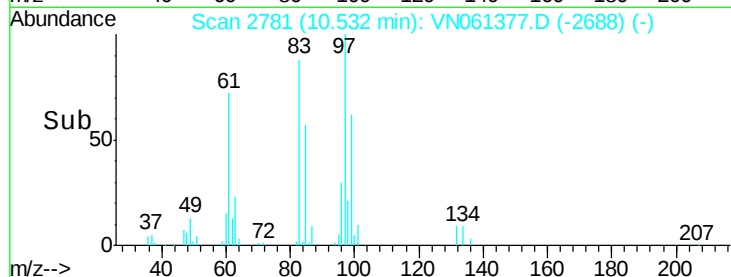
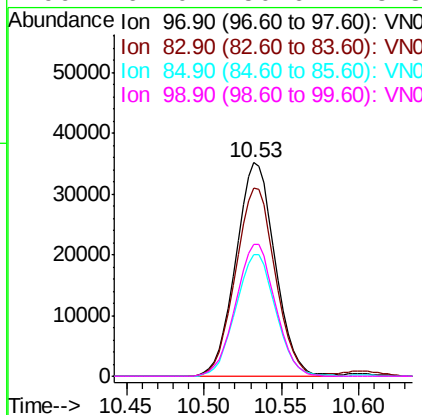
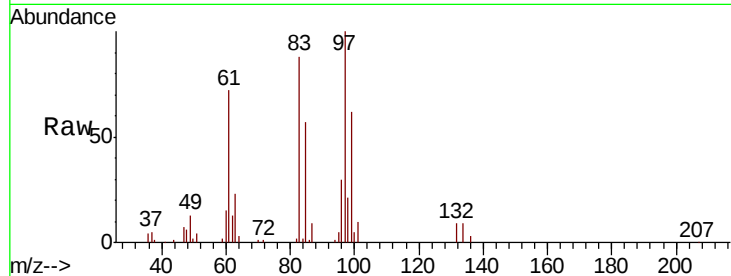
#55
 1,1,2-Trichloroethane
 Concen: 49.509 ug/l
 RT: 10.53 min Scan# 2781
 Delta R.T. 0.00 min
 Lab File: VN061377.D
 Acq: 8 May 2020 21:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	62260
Ion	Ratio	Lower	Upper
97	100		
83	88.1	70.6	106.0
85	57.2	46.4	69.6
99	62.0	50.6	75.8

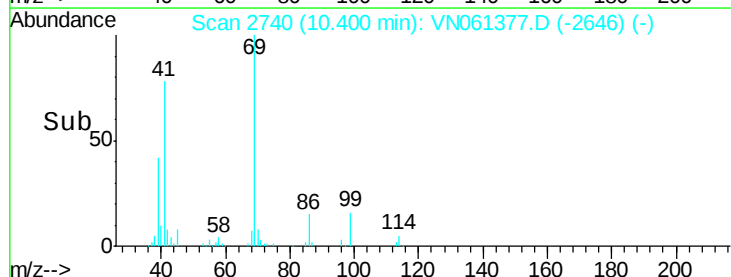
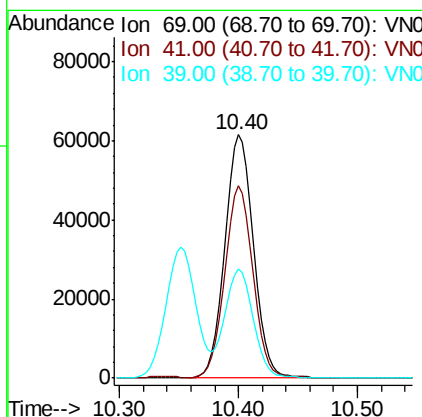
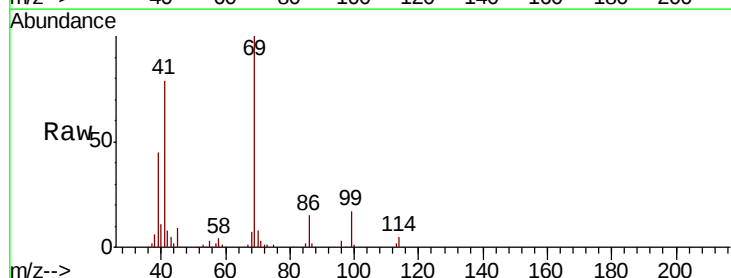
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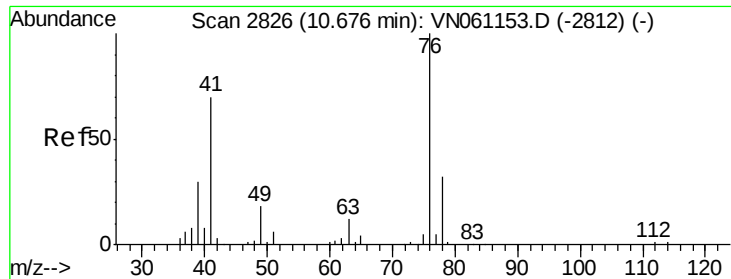
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 5/11/2020 12:36:52 PM



#56
 Ethyl methacrylate
 Concen: 47.021 ug/l
 RT: 10.40 min Scan# 2740
 Delta R.T. 0.00 min
 Lab File: VN061377.D
 Acq: 8 May 2020 21:11

Tgt Ion:	69	Resp:	102664
Ion	Ratio	Lower	Upper
69	100		
41	77.1	60.3	90.5
39	44.1	35.9	53.9





#57

1,3-Dichloropropane

Concen: 50.391 ug/l

RT: 10.68 min Scan# 2827

Delta R.T. 0.00 min

Lab File: VN061377.D

Acq: 8 May 2020 21:11

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050EC

Tot Ion: 76 Resp: 111386

Ion Ratio Lower Upper

76 100

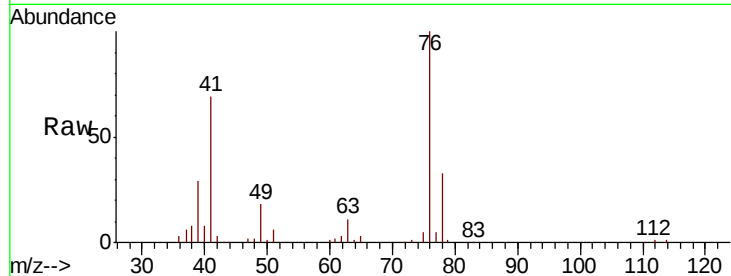
78 32.7 25.5 38.3

Manual Integrations

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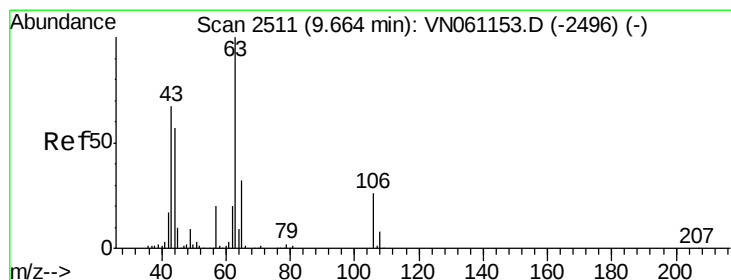
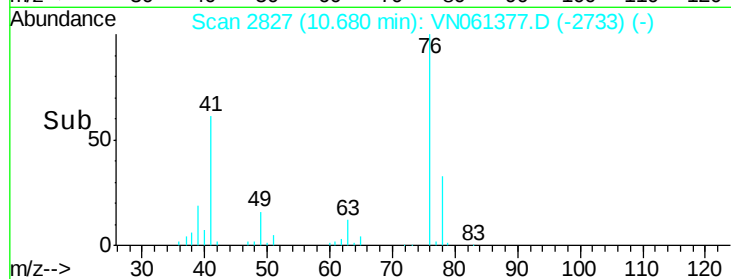
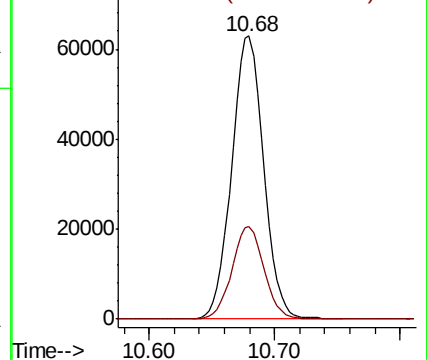
MMDadoda

5/11/2020 12:36:52 PM



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 252.363 ug/l

RT: 9.66 min Scan# 2511

Delta R.T. 0.00 min

Lab File: VN061377.D

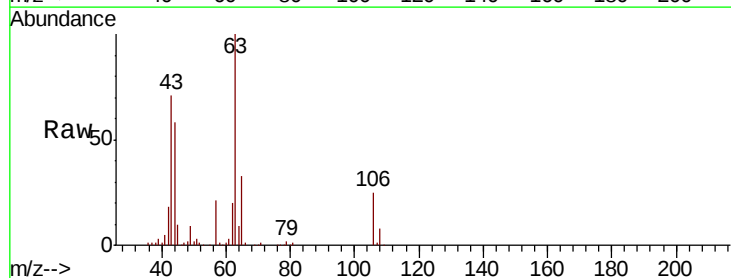
Acq: 8 May 2020 21:11

Tgt Ion: 63 Resp: 256884

Ion Ratio Lower Upper

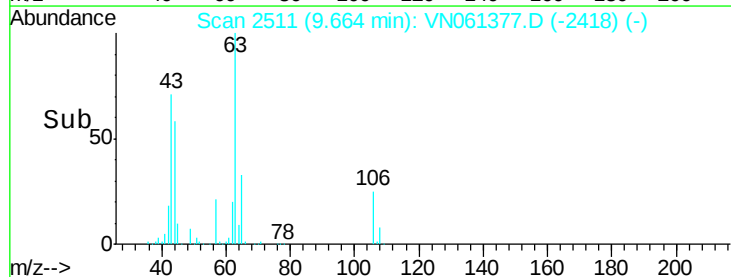
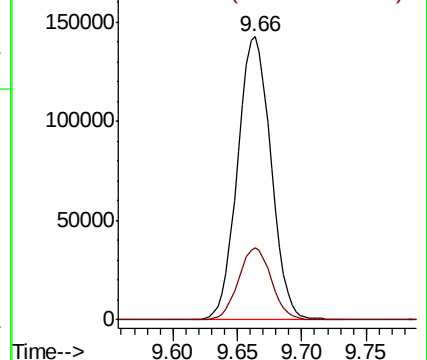
63 100

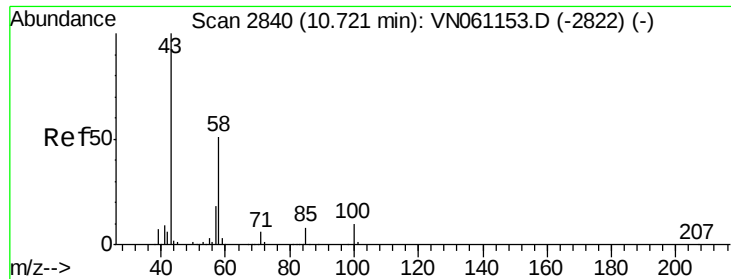
106 25.2 20.6 30.8



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V





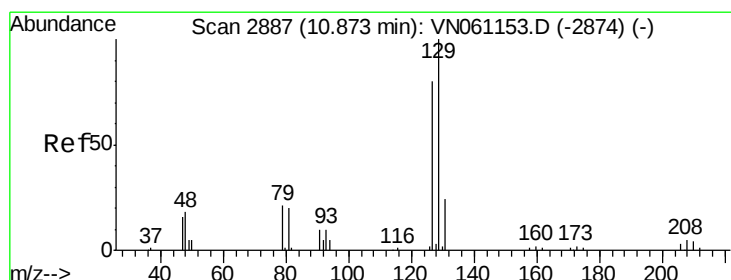
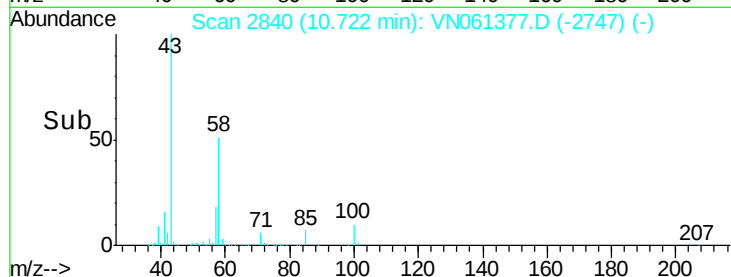
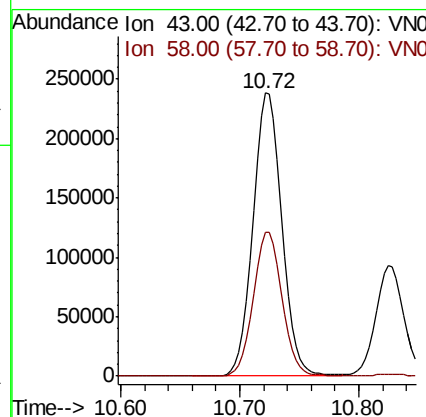
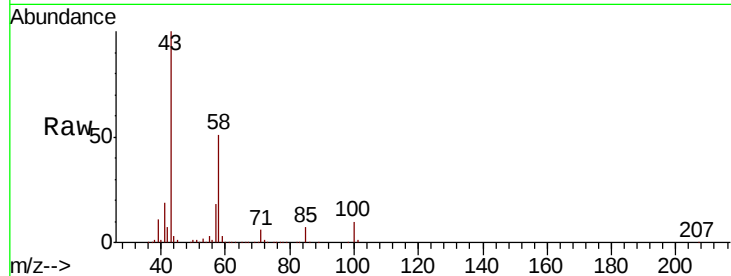
#59
2-Hexanone
Concen: 273.575 ug/l
RT: 10.72 min Scan# 2840
Delta R.T. 0.00 min
Lab File: VN061377.D
Acq: 8 May 2020 21:11

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050EC

Tot Ion: 43 Resp: 400460
Ion Ratio Lower Upper
43 100
58 50.7 25.4 76.4

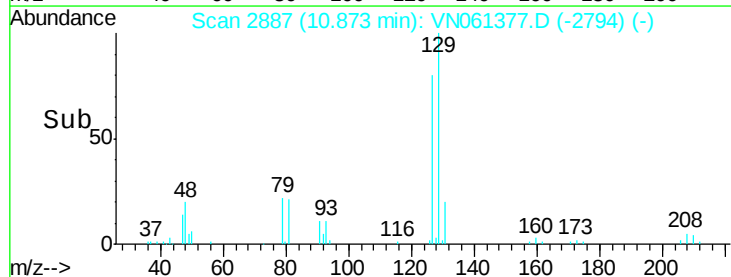
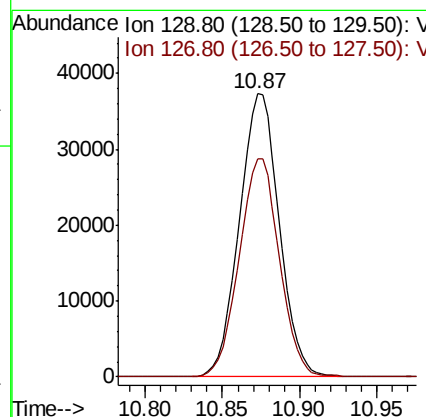
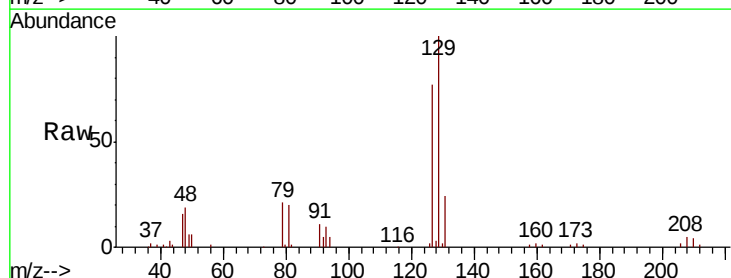
Manual Integrations
APPROVED

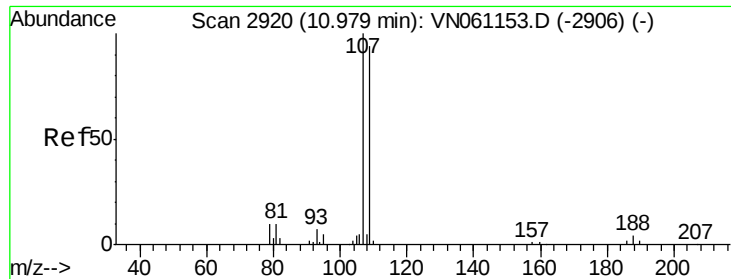
MMDadoda
5/11/2020 12:36:52 PM



#60
Dibromochloromethane
Concen: 50.688 ug/l
RT: 10.87 min Scan# 2887
Delta R.T. 0.00 min
Lab File: VN061377.D
Acq: 8 May 2020 21:11

Tgt Ion: 129 Resp: 66760
Ion Ratio Lower Upper
129 100
127 77.8 39.3 117.8





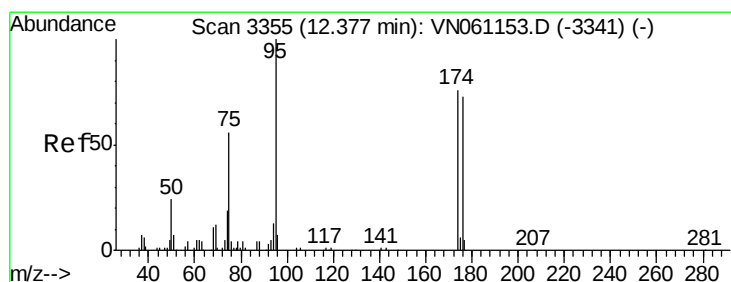
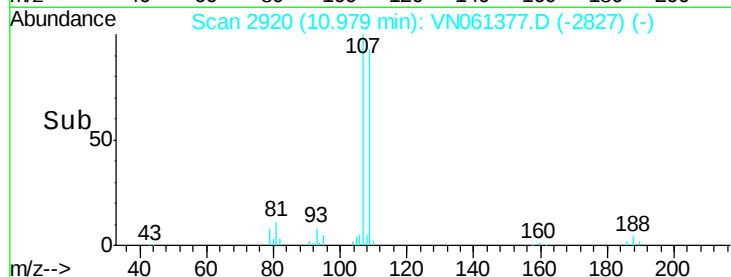
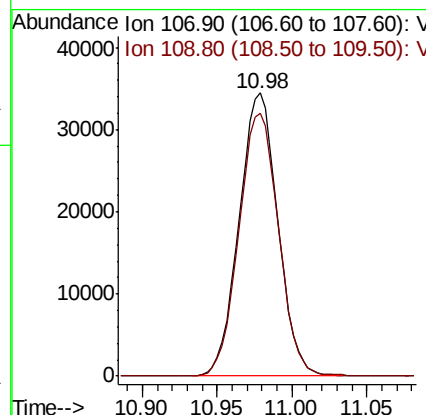
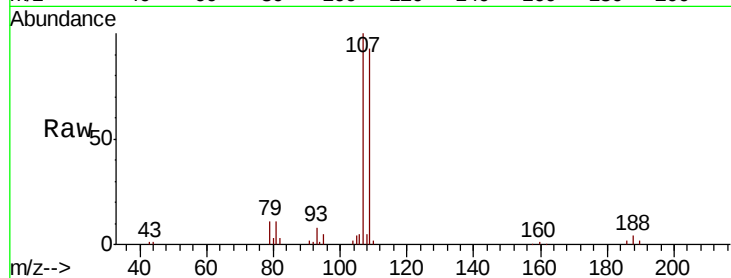
#61
 1,2-Dibromoethane
 Concen: 49.188 ug/l
 RT: 10.98 min Scan# 2920
 Delta R.T. 0.00 min
 Lab File: VN061377.D
 Acq: 8 May 2020 21:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.1	74.8	112.2

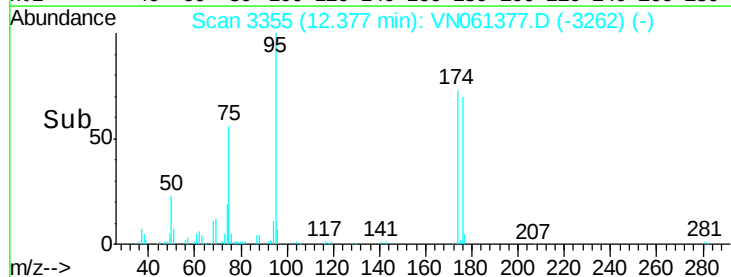
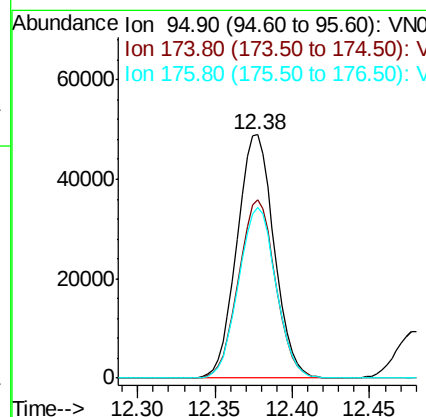
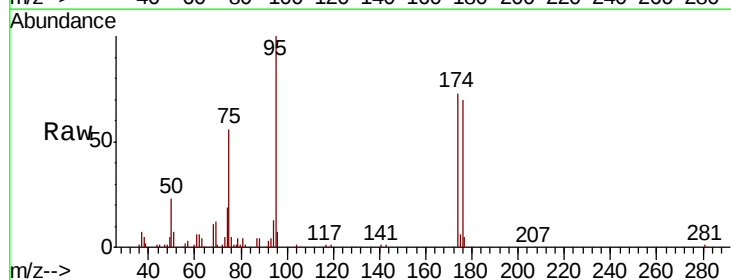
Manual Integrations
 APPROVED

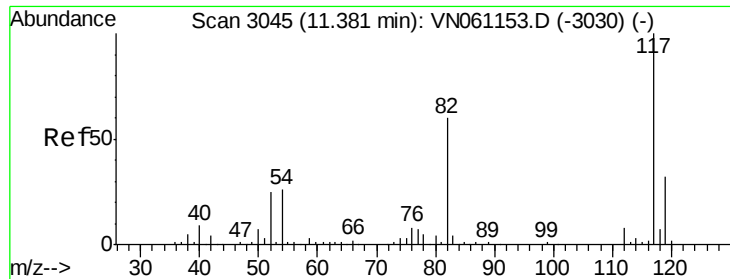
MMDadoda
 5/11/2020 12:36:52 PM



#62
 4-Bromofluorobenzene
 Concen: 51.403 ug/l
 RT: 12.38 min Scan# 3355
 Delta R.T. 0.00 min
 Lab File: VN061377.D
 Acq: 8 May 2020 21:11

Tgt Ion	Ratio	Lower	Upper
95	100		
174	72.7	0.0	149.4
176	70.5	0.0	144.8





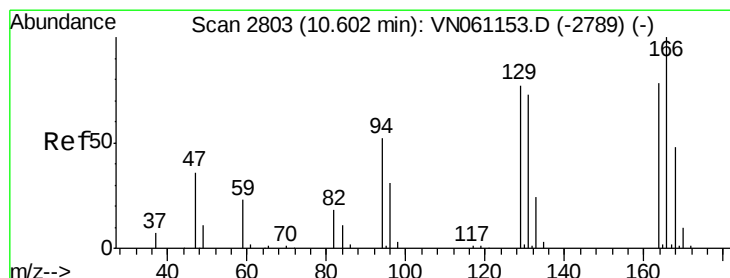
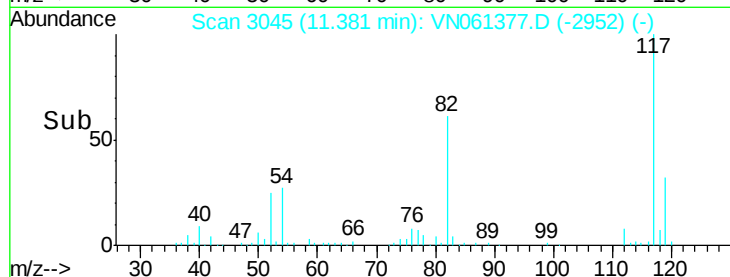
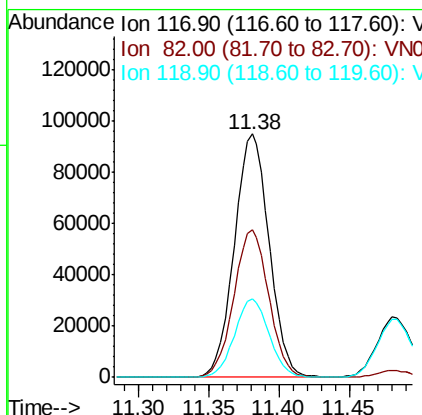
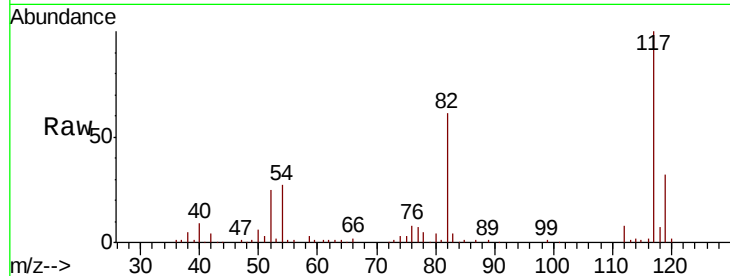
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 3045
Delta R.T. 0.00 min
Lab File: VN061377.D
Acq: 8 May 2020 21:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	60.9	47.8	71.8
119	32.3	25.8	38.6

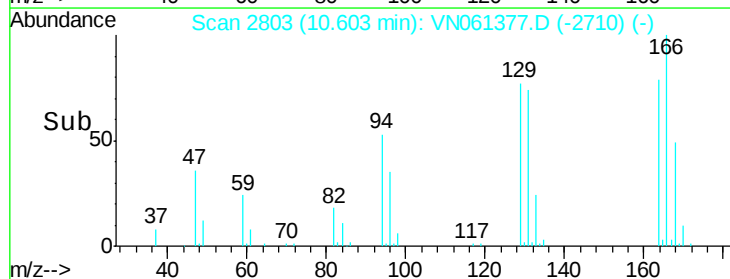
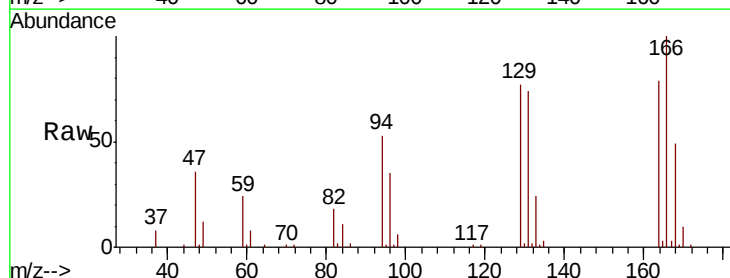
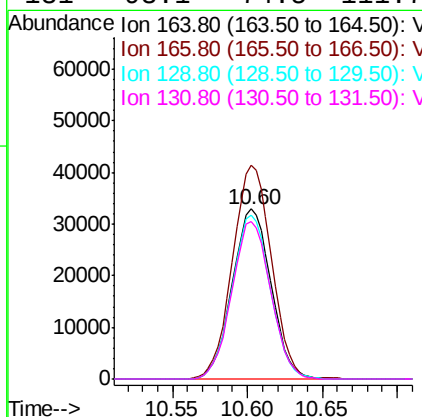
Manual Integrations
APPROVED

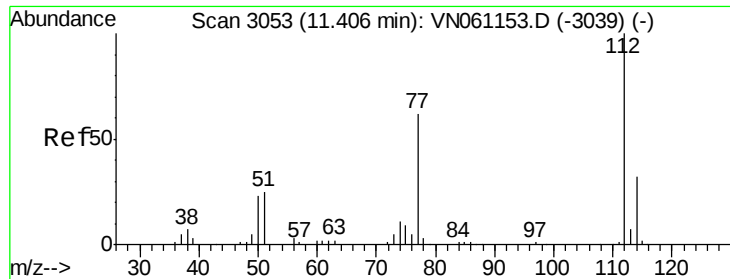
MMDadoda
5/11/2020 12:36:52 PM



#64
Tetrachloroethene
Concen: 41.755 ug/l
RT: 10.60 min Scan# 2803
Delta R.T. 0.00 min
Lab File: VN061377.D
Acq: 8 May 2020 21:11

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.9	102.0	153.0
129	96.9	78.2	117.2
131	93.1	74.5	111.7





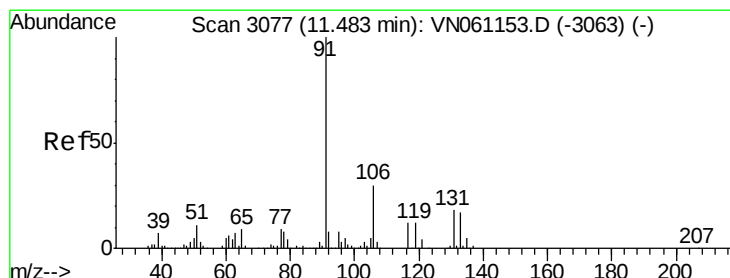
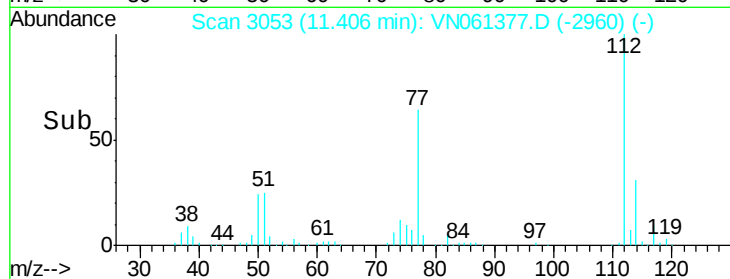
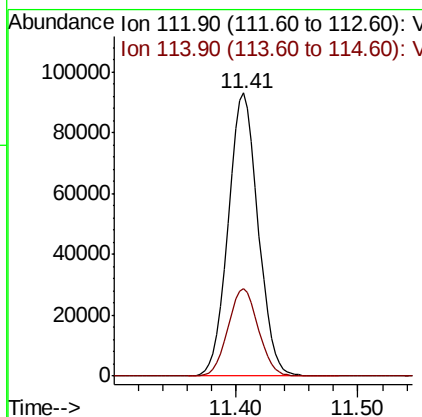
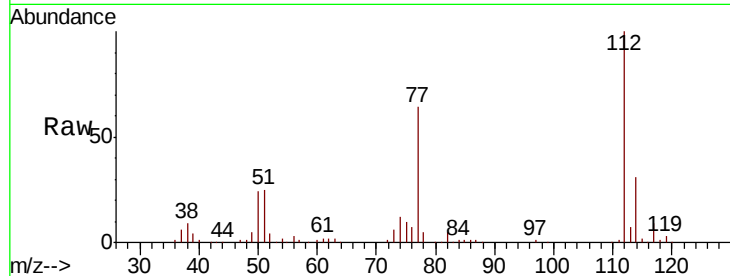
#65
Chlorobenzene
Concen: 48.843 ug/l
RT: 11.41 min Scan# 3053
Delta R.T. 0.00 min
Lab File: VN061377.D
Acq: 8 May 2020 21:11

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050EC

Tot Ion:112 Resp: 159418
Ion Ratio Lower Upper
112 100
114 30.9 25.4 38.2

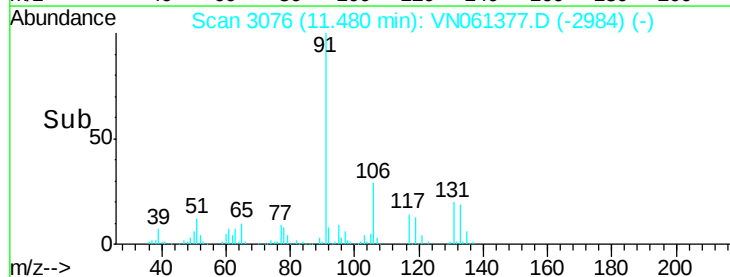
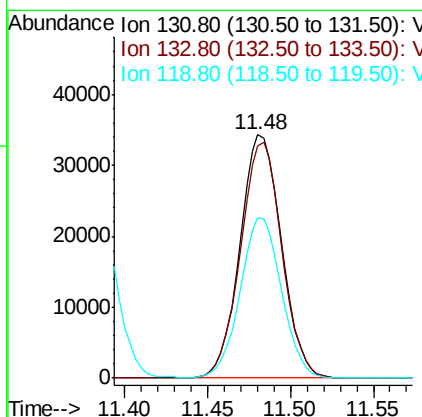
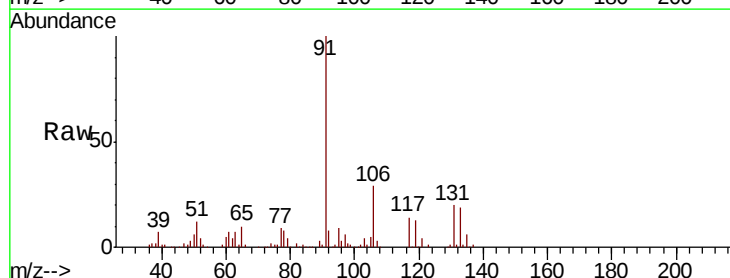
Manual Integrations
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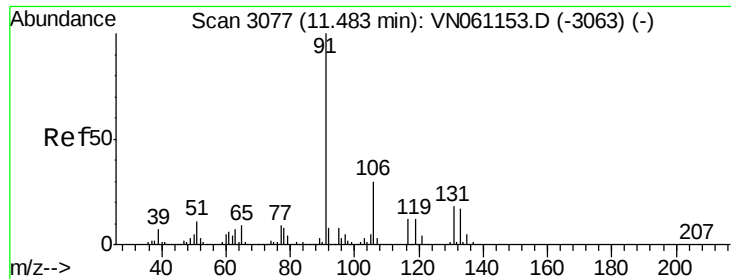
MMDadoda
5/11/2020 12:36:52 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 51.148 ug/l
RT: 11.48 min Scan# 3076
Delta R.T. -0.00 min
Lab File: VN061377.D
Acq: 8 May 2020 21:11

Tgt Ion:131 Resp: 59749
Ion Ratio Lower Upper
131 100
133 96.6 48.0 144.2
119 65.7 32.6 97.8





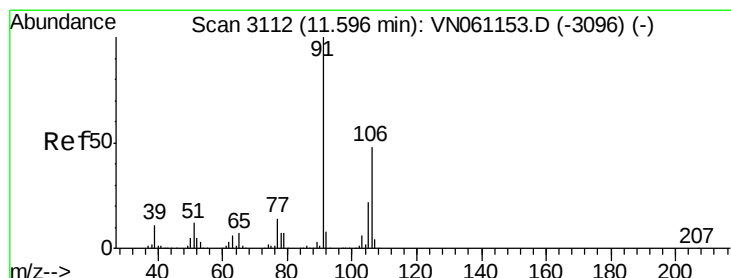
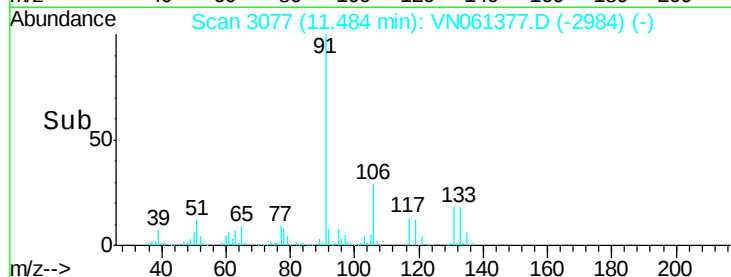
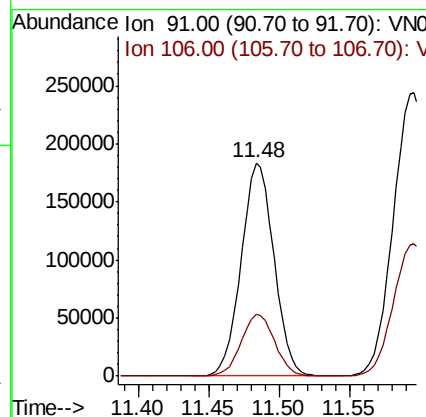
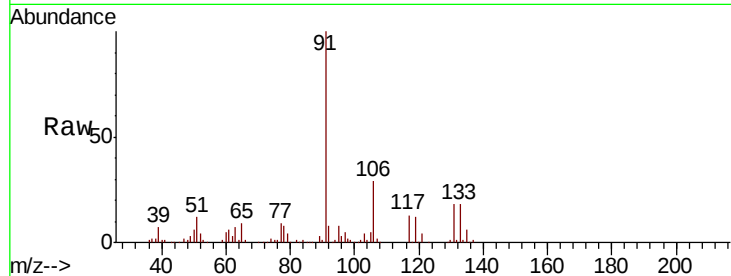
#67
Ethyl Benzene
Concen: 49.120 ug/l
RT: 11.48 min Scan# 3077
Delta R.T. 0.00 min
Lab File: VN061377.D
Acq: 8 May 2020 21:11

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
106	29.1	23.8	35.6

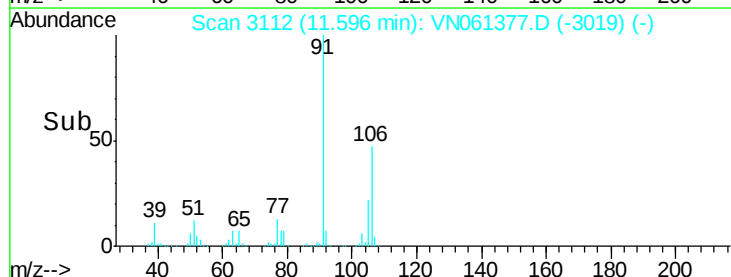
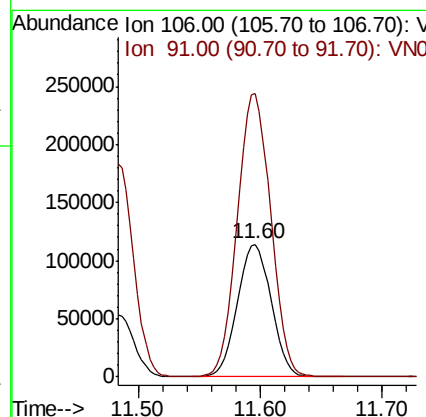
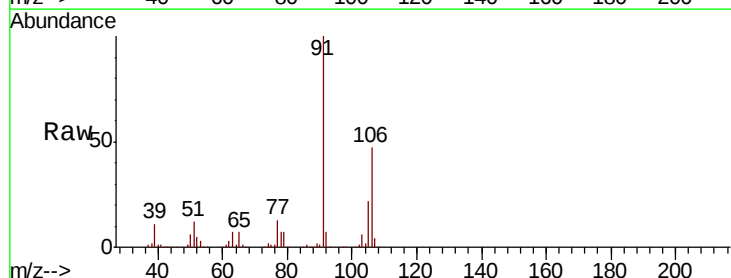
Manual Integrations
APPROVED

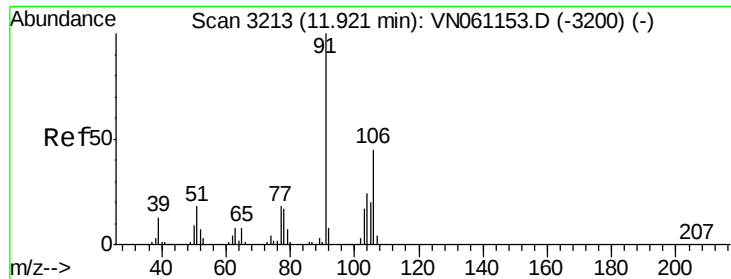
MMDadoda
5/11/2020 12:36:52 PM



#68
m/p-Xylenes
Concen: 97.803 ug/l
RT: 11.60 min Scan# 3112
Delta R.T. 0.00 min
Lab File: VN061377.D
Acq: 8 May 2020 21:11

Tgt Ion	Ratio	Lower	Upper
106	100		
91	212.6	166.4	249.6





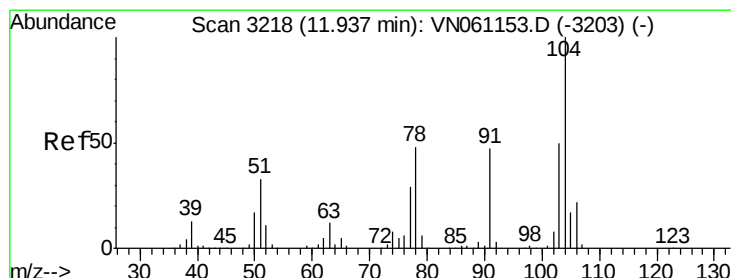
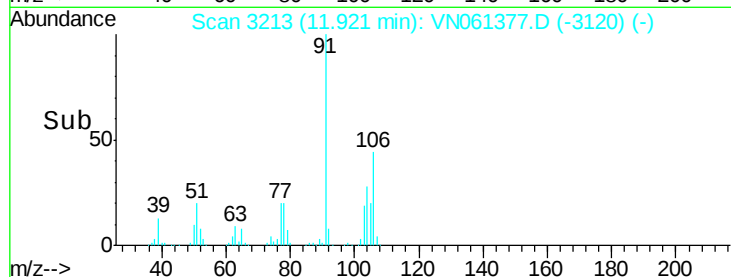
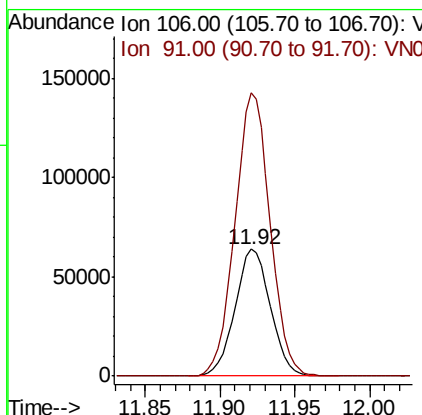
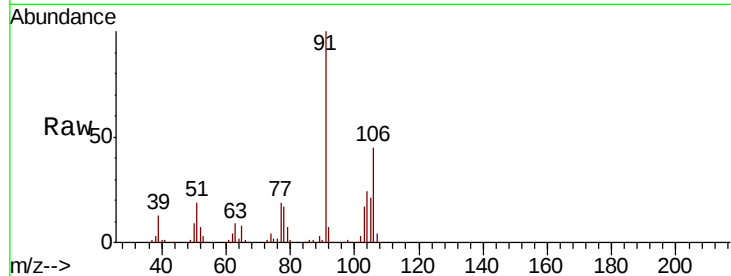
#69
o-Xylene
Concen: 48.862 ug/l
RT: 11.92 min Scan# 3213
Delta R.T. 0.00 min
Lab File: VN061377.D
Acq: 8 May 2020 21:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100				
91	222.0	109.7	329.0		

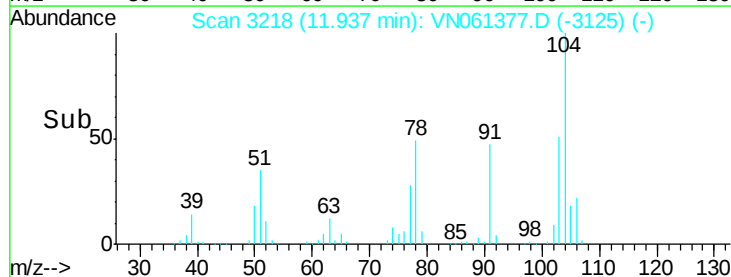
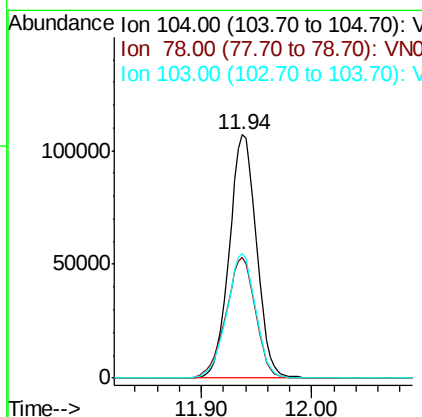
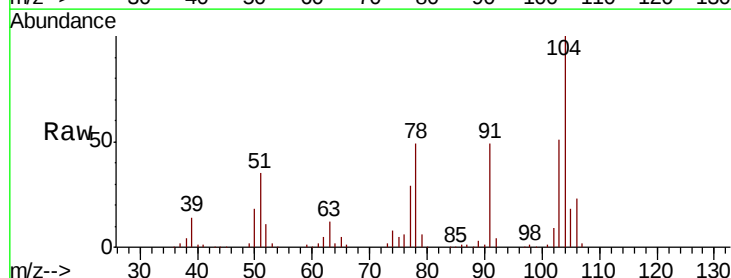
Manual Integrations
APPROVED

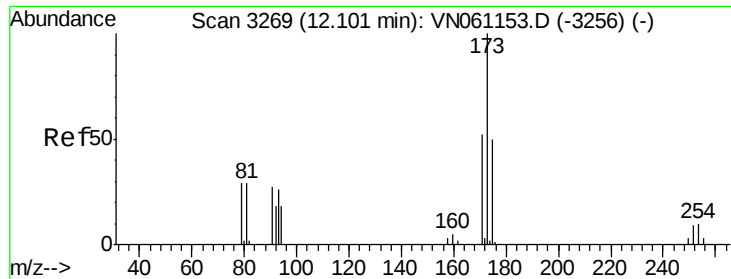
MMDadoda
5/11/2020 12:36:52 PM



#70
Styrene
Concen: 50.881 ug/l
RT: 11.94 min Scan# 3218
Delta R.T. 0.00 min
Lab File: VN061377.D
Acq: 8 May 2020 21:11

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100				
78	53.9	42.1	63.1		
103	54.4	43.3	64.9		





#71

Bromoform

Concen: 54.071 ug/l

RT: 12.10 min Scan# 3269

Delta R.T. 0.00 min

Lab File: VN061377.D

Acq: 8 May 2020 21:11

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050EC

Tot Ion:173 Resp: 46422

Ion Ratio Lower Upper

173 100

175 47.8 24.1 72.4

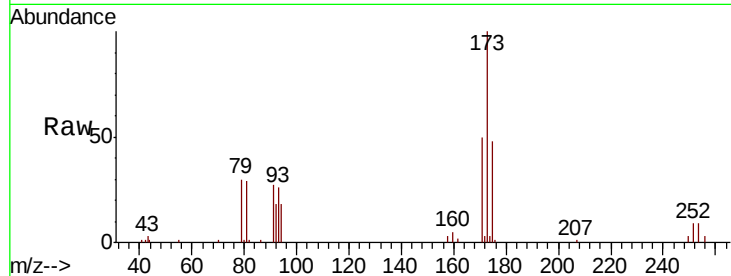
254 0.0 0.0 0.0

Manual Integrations

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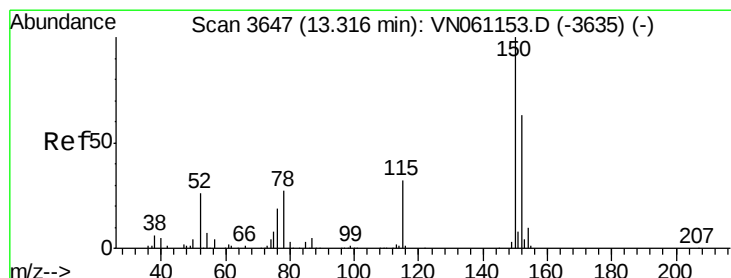
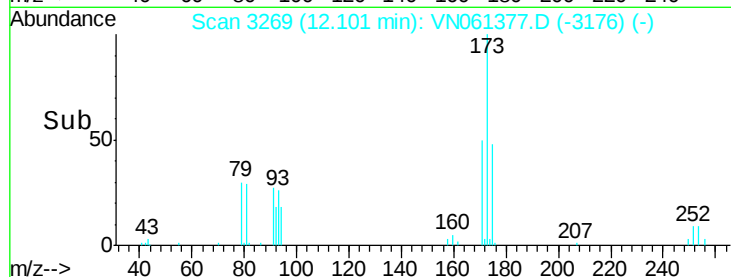
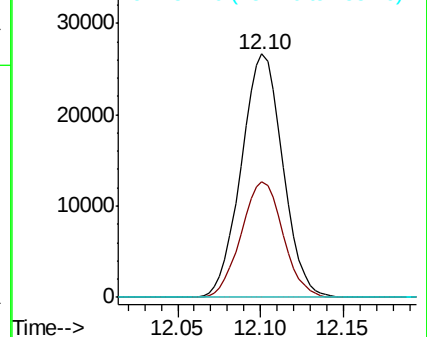
5/11/2020 12:36:52 PM



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3648

Delta R.T. 0.00 min

Lab File: VN061377.D

Acq: 8 May 2020 21:11

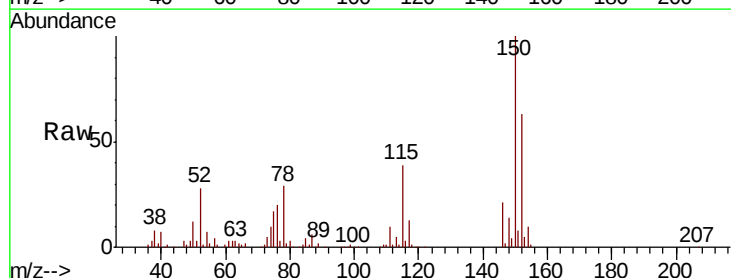
Tgt Ion:152 Resp: 80661

Ion Ratio Lower Upper

152 100

115 63.2 31.0 93.0

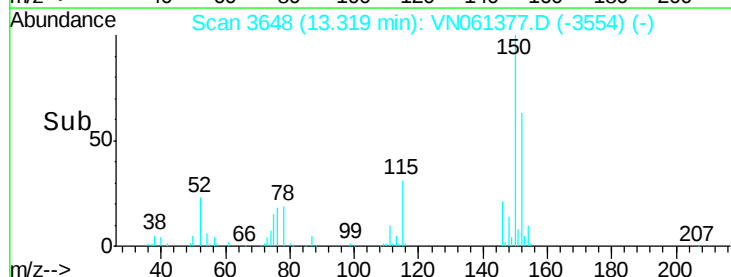
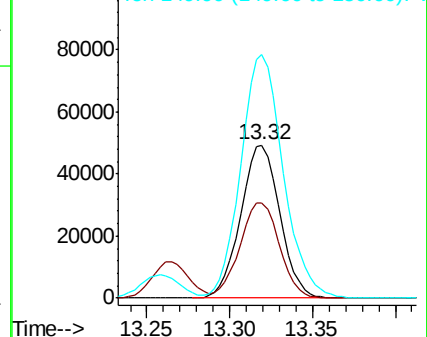
150 172.7 0.0 351.8

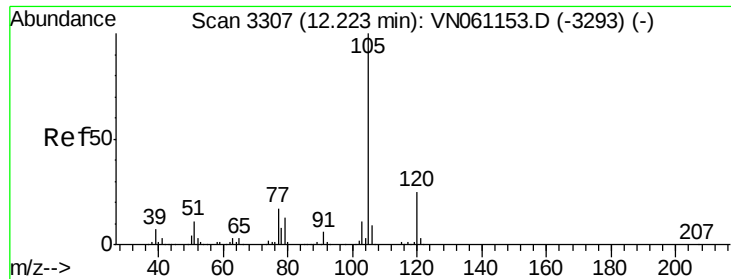


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





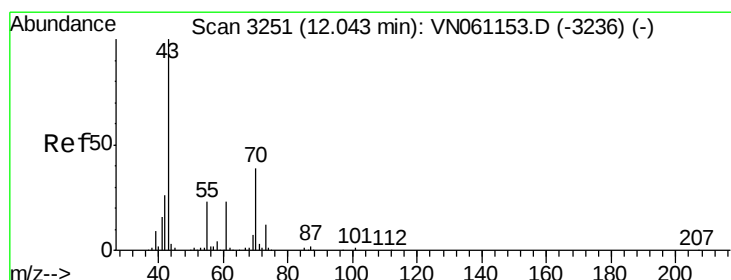
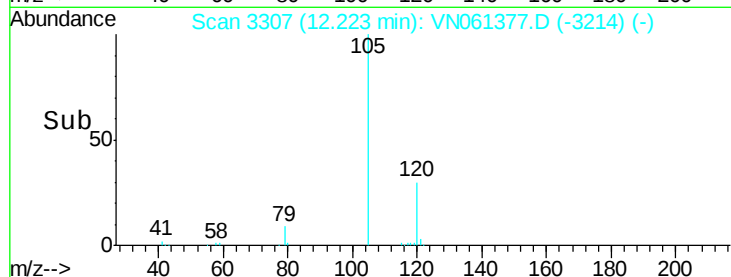
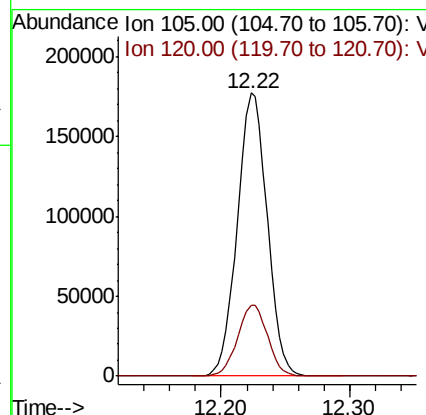
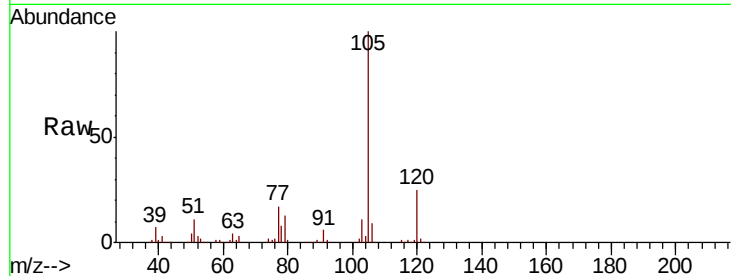
#73
Isopropylbenzene
Concen: 48.174 ug/l
RT: 12.22 min Scan# 3307
Delta R.T. 0.00 min
Lab File: VN061377.D
Acq: 8 May 2020 21:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
105	100	285660		
120	25.1		12.6	37.8

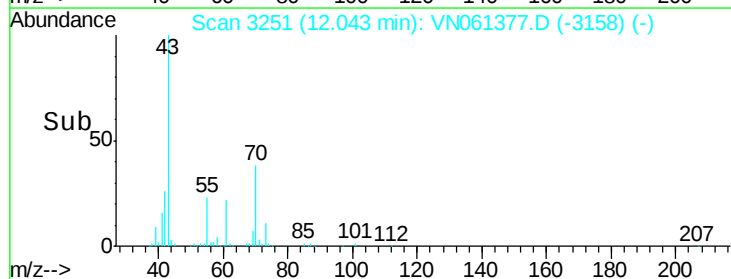
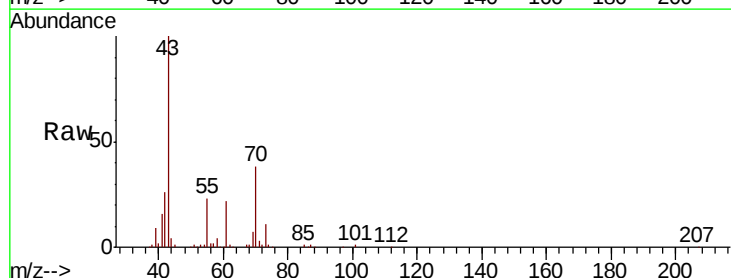
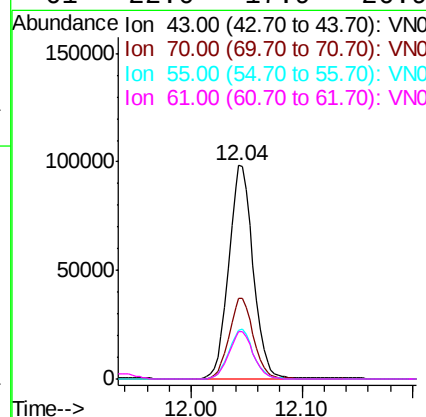
Manual Integrations
APPROVED

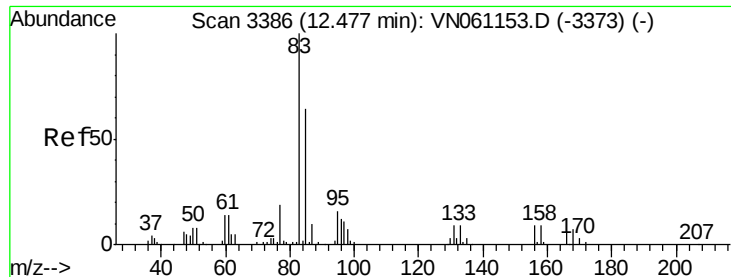
MMDadoda
5/11/2020 12:36:52 PM



#74
N-ethyl acetate
Concen: 50.633 ug/l
RT: 12.04 min Scan# 3251
Delta R.T. 0.00 min
Lab File: VN061377.D
Acq: 8 May 2020 21:11

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	152037		
70	37.4		30.6	46.0
55	23.2		18.5	27.7
61	22.0		17.9	26.9





#75

1,1,2,2-Tetrachloroethane

Concen: 51.477 ug/l

RT: 12.48 min Scan# 3387

Delta R.T. 0.00 min

Lab File: VN061377.D

Acq: 8 May 2020 21:11

Instrument :

MSVOA_N

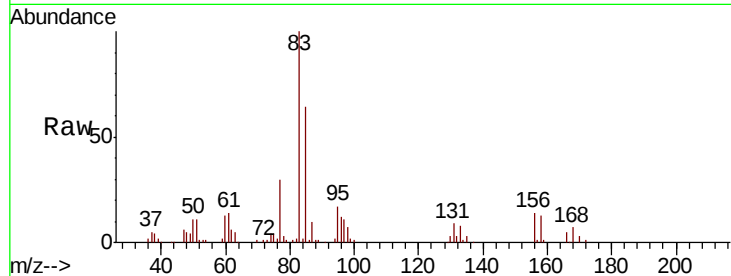
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	95181
Ion Ratio	Lower	Upper	
83	100		
131	9.4	4.8	14.3
85	64.3	32.0	96.0

Manual Integrations
APPROVED

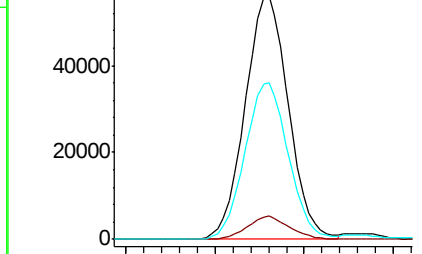
MMDadoda
5/11/2020 12:36:52 PM



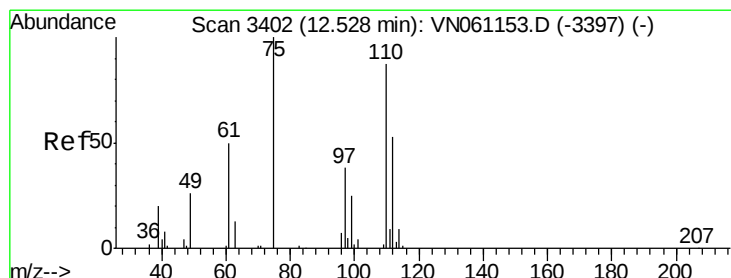
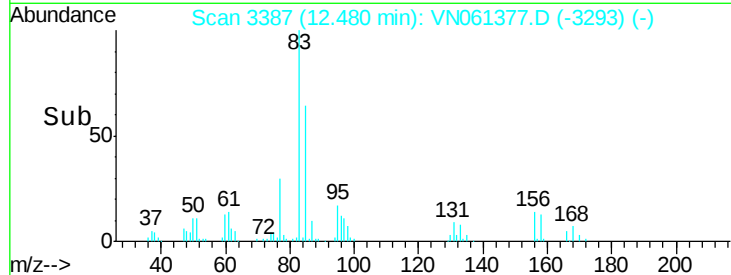
Abundance Ion 82.90 (82.60 to 83.60): VN061377.D (-3293) (-)

Ion 130.80 (130.50 to 131.50): VN061377.D (-3293) (-)

Ion 84.90 (84.60 to 85.60): VN061377.D (-3293) (-)



Time-->



#76

1,2,3-Trichloropropane

Concen: 50.970 ug/l m

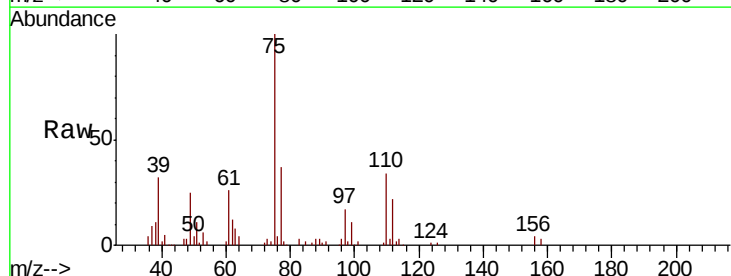
RT: 12.53 min Scan# 3402

Delta R.T. 0.00 min

Lab File: VN061377.D

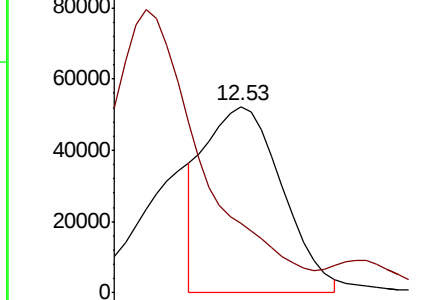
Acq: 8 May 2020 21:11

Tgt Ion:	75	Resp:	86677
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0

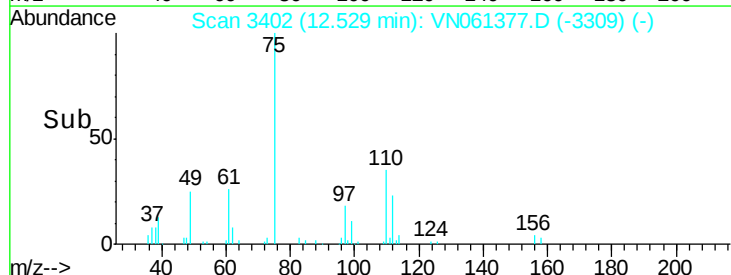


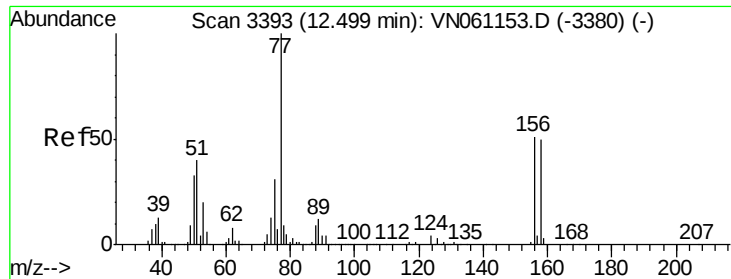
Abundance Ion 74.90 (74.60 to 75.60): VN061377.D (-3309) (-)

Ion 77.00 (76.70 to 77.70): VN061377.D (-3309) (-)



Time-->





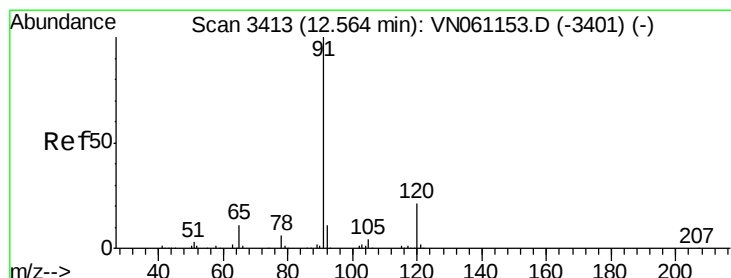
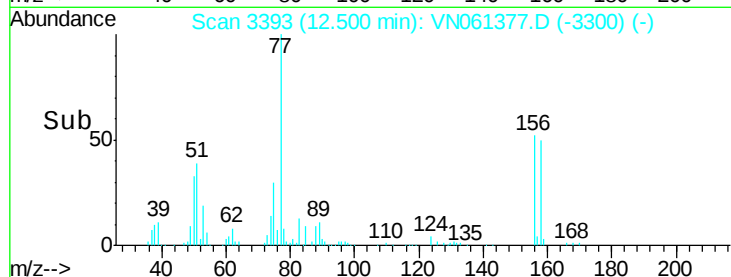
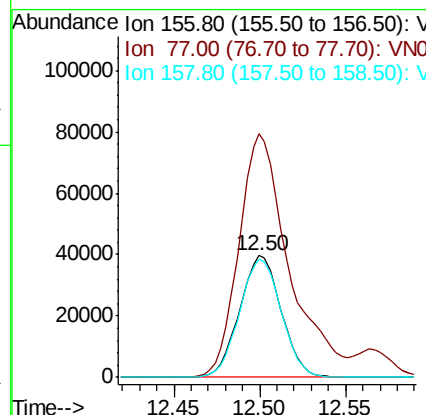
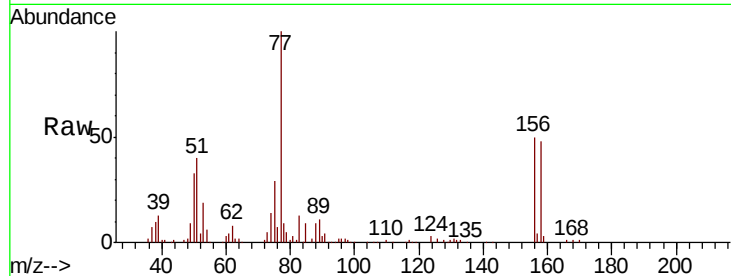
#77
Bromobenzene
Concen: 48.722 ug/l
RT: 12.50 min Scan# 3393
Delta R.T. 0.00 min
Lab File: VN061377.D
Acq: 8 May 2020 21:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	241.5	117.4	352.2	
158	97.3	48.4	145.0	

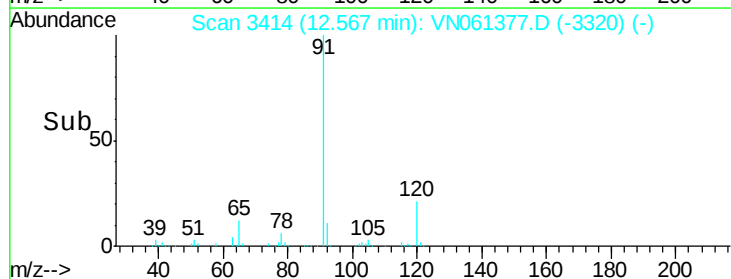
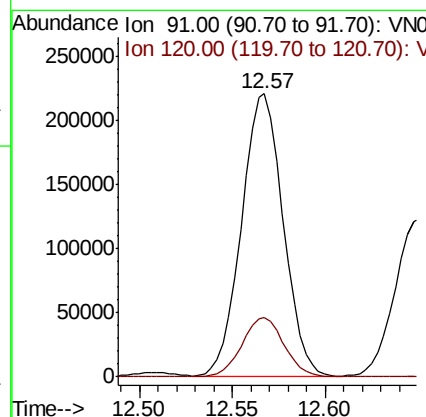
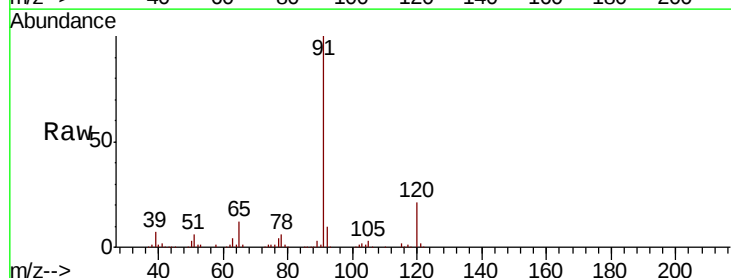
Manual Integrations
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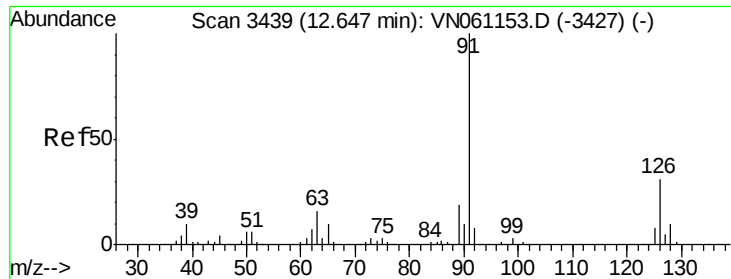
MMDadoda
5/11/2020 12:36:52 PM



#78
n-propylbenzene
Concen: 48.535 ug/l
RT: 12.57 min Scan# 3414
Delta R.T. 0.00 min
Lab File: VN061377.D
Acq: 8 May 2020 21:11

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	21.2	10.8	32.3	





#79

2-Chlorotoluene

Concen: 48.669 ug/l

RT: 12.65 min Scan# 3440

Delta R.T. 0.00 min

Lab File: VN061377.D

Acq: 8 May 2020 21:11

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050EC

Tot Ion: 91 Resp: 201199

Ion Ratio Lower Upper

91 100

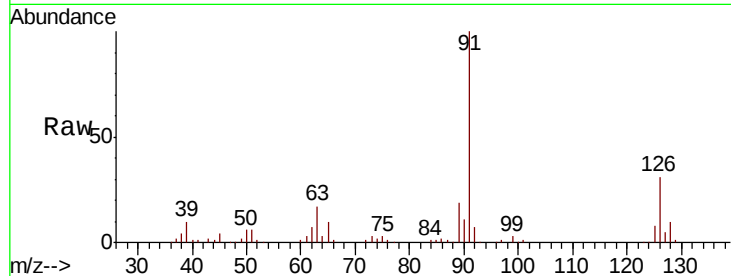
126 31.7 15.9 47.7

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Abundance Ion 91.00 (90.70 to 91.70): VN061153.D (-3427) (-)

Ion 125.90 (125.60 to 126.60): VN061153.D (-3427) (-)

200000

150000

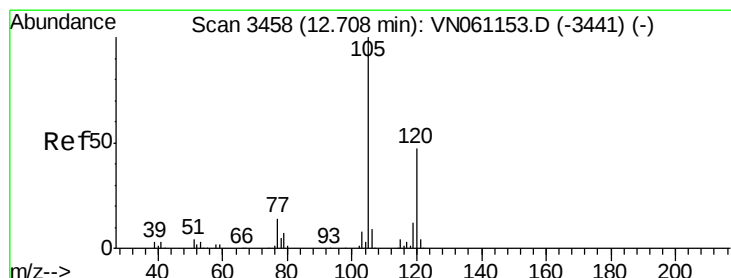
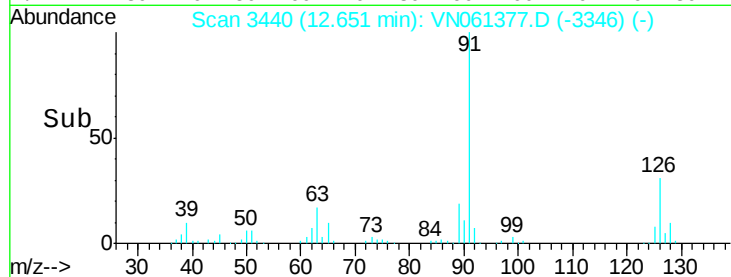
100000

50000

0

12.60 12.65 12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 48.903 ug/l

RT: 12.71 min Scan# 3458

Delta R.T. 0.00 min

Lab File: VN061377.D

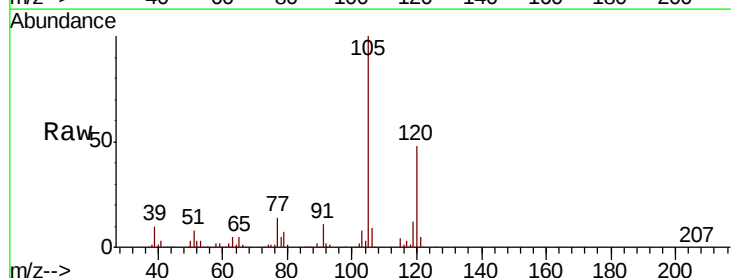
Acq: 8 May 2020 21:11

Tgt Ion: 105 Resp: 240007

Ion Ratio Lower Upper

105 100

120 47.7 23.9 71.7



Abundance Ion 105.00 (104.70 to 105.70): VN061153.D (-3441) (-)

Ion 120.00 (119.70 to 120.70): VN061153.D (-3441) (-)

150000

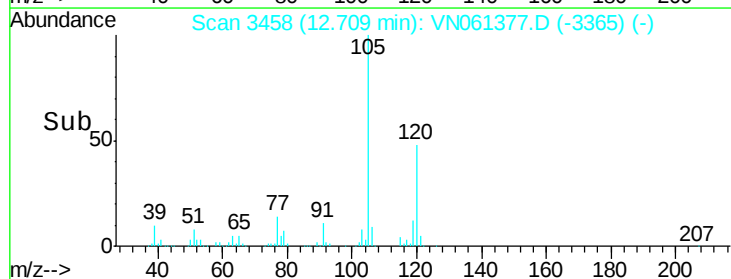
100000

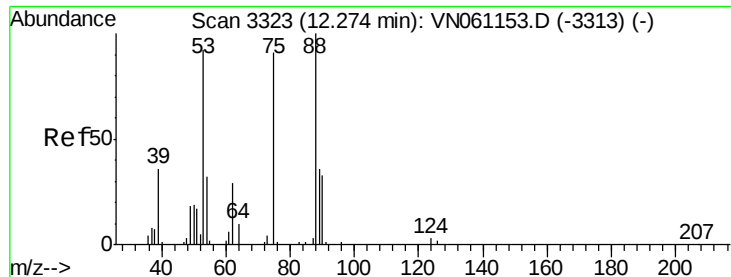
50000

0

12.60 12.70 12.80

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 49.918 ug/l

RT: 12.27 min Scan# 3323

Delta R.T. 0.00 min

Lab File: VN061377.D

Acq: 8 May 2020 21:11

Instrument :

MSVOA_N

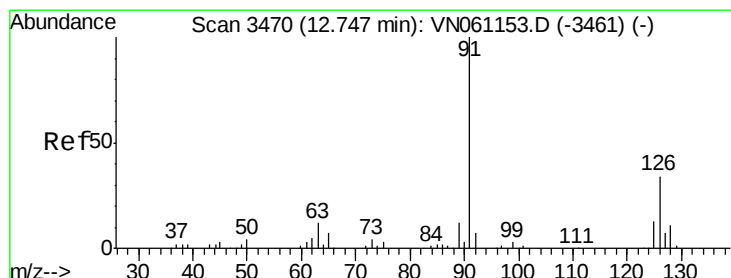
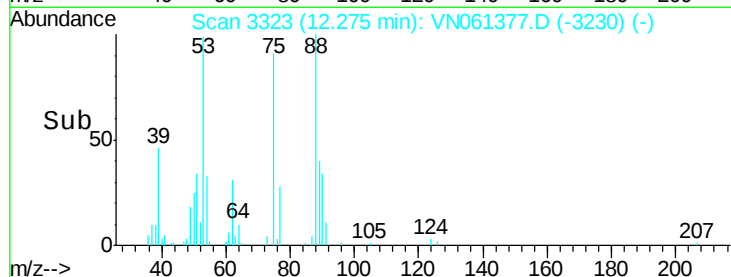
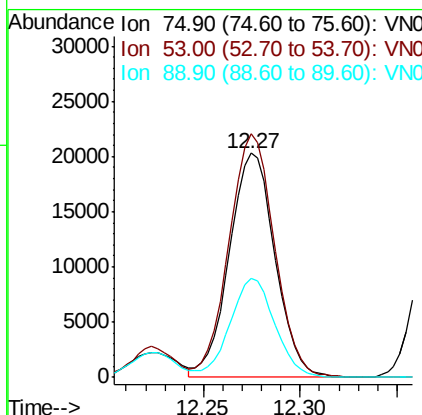
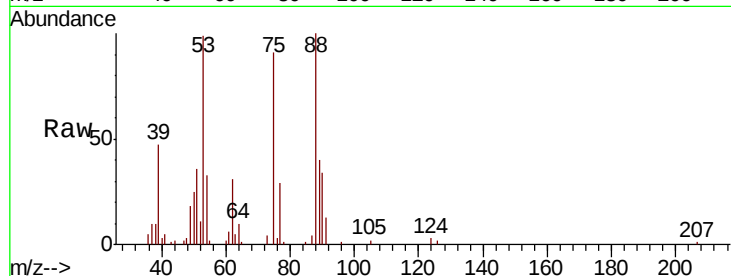
ClientSampleId :

VSTDCCC050EC

Tot Ion:	75	Resp:	33427
Ion	Ratio	Lower	Upper
75	100		
53	108.0	84.1	126.1
89	43.1	35.2	52.8

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#82

4-Chlorotoluene

Concen: 49.439 ug/l

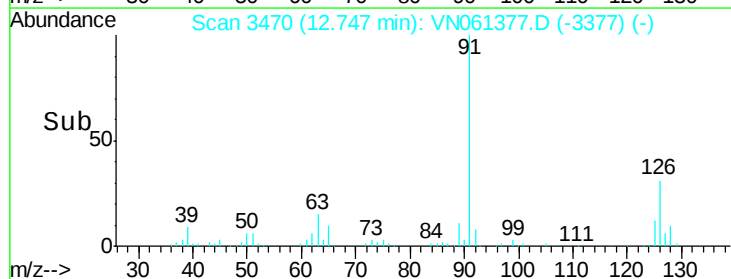
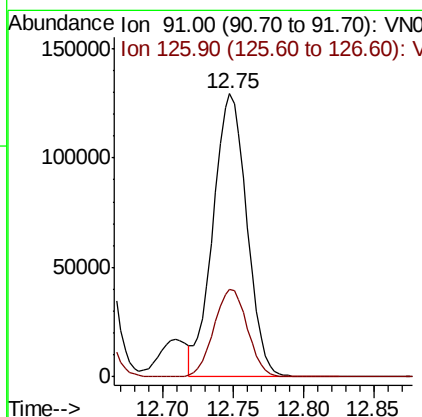
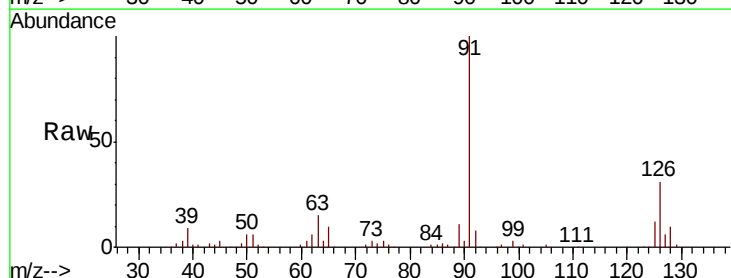
RT: 12.75 min Scan# 3470

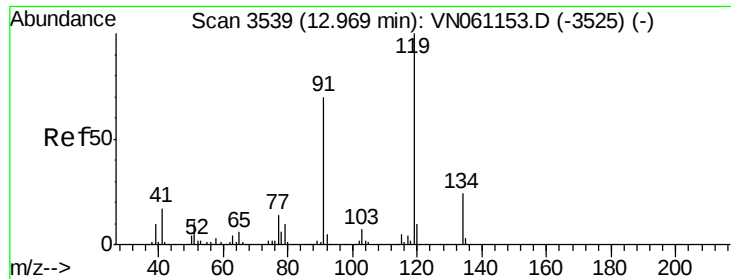
Delta R.T. 0.00 min

Lab File: VN061377.D

Acq: 8 May 2020 21:11

Tgt Ion:	91	Resp:	215412
Ion	Ratio	Lower	Upper
91	100		
126	30.6	15.7	47.1





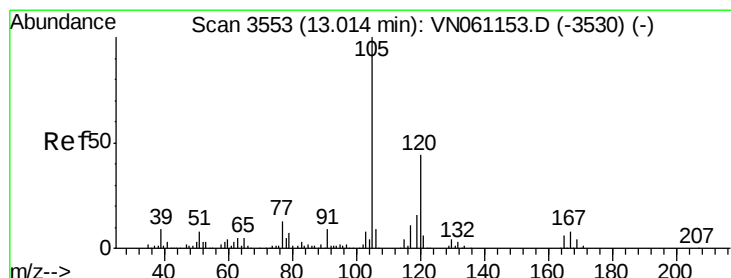
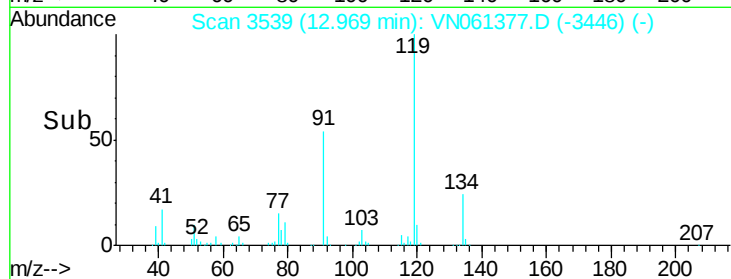
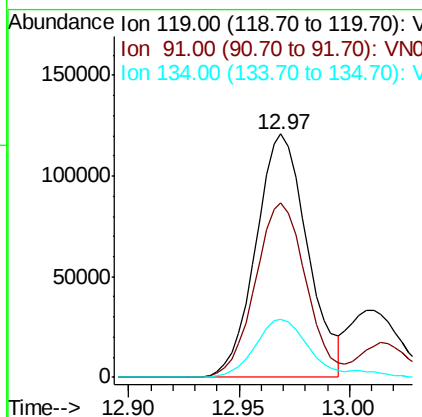
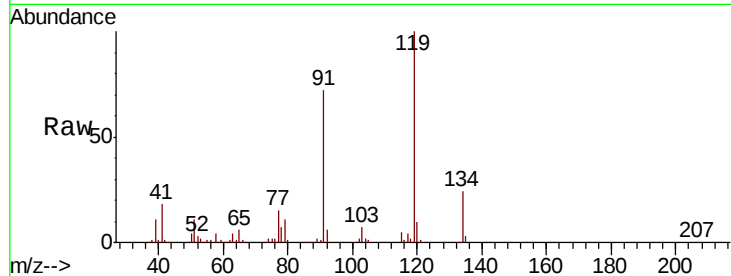
#83
 tert-Butylbenzene
 Concen: 47.388 ug/l
 RT: 12.97 min Scan# 3539
 Delta R.T. 0.00 min
 Lab File: VN061377.D
 Acq: 8 May 2020 21:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
119	100	196105		
91	70.7	34.8	104.4	
134	26.0	12.9	38.7	

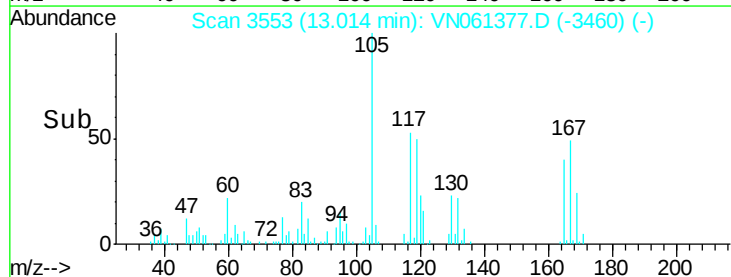
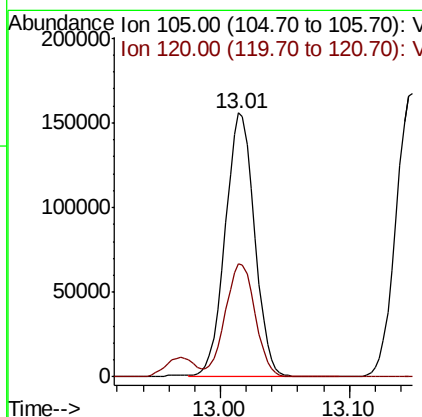
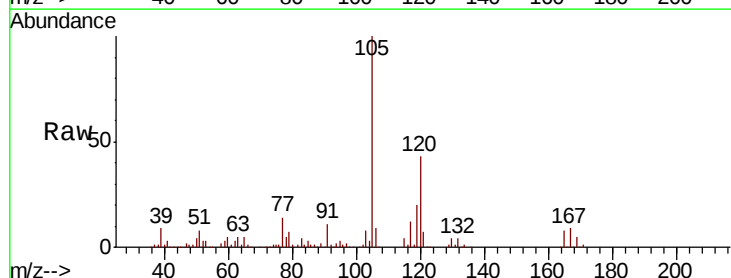
Manual Integrations
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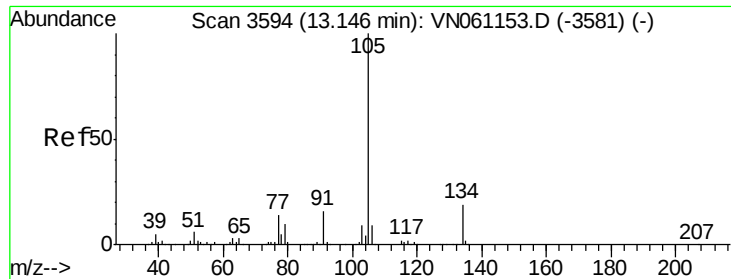
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#84
 1,2,4-Trimethylbenzene
 Concen: 48.549 ug/l
 RT: 13.01 min Scan# 3553
 Delta R.T. 0.00 min
 Lab File: VN061377.D
 Acq: 8 May 2020 21:11

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	245483		
120	44.0	22.2	66.6	





#85

sec-Butylbenzene

Concen: 46.871 ug/l

RT: 13.15 min Scan# 3595

Delta R.T. 0.00 min

Lab File: VN061377.D

Acq: 8 May 2020 21:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 264452

Ion Ratio Lower Upper

105 100

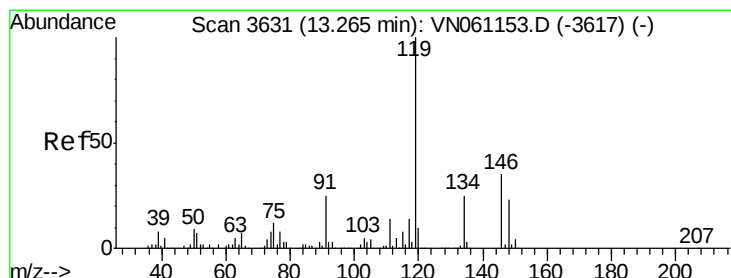
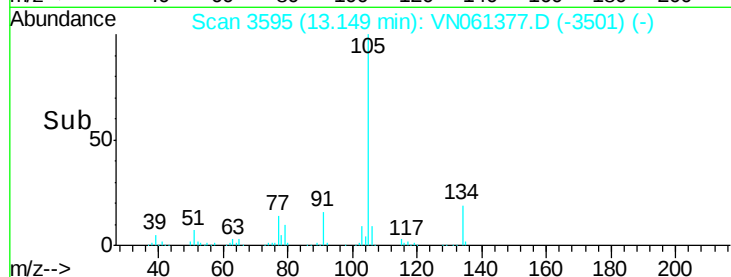
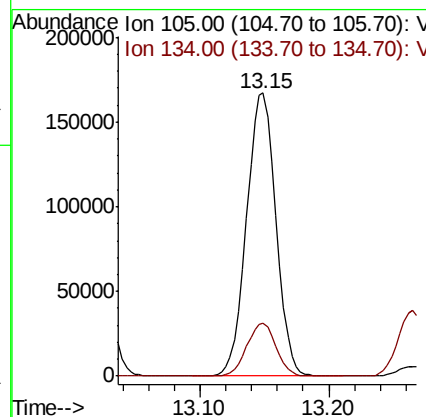
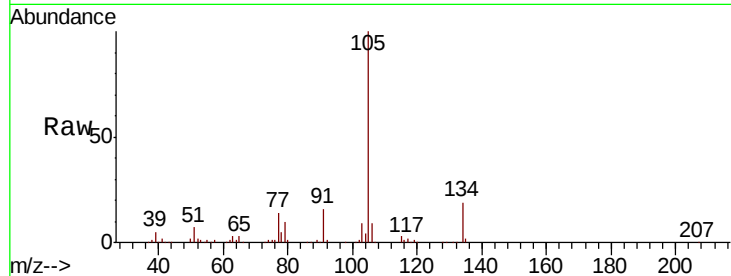
134 18.7 9.6 28.8

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5/11/2020 12:36:52 PM



#86

p-Isopropyltoluene

Concen: 46.477 ug/l

RT: 13.26 min Scan# 3631

Delta R.T. 0.00 min

Lab File: VN061377.D

Acq: 8 May 2020 21:11

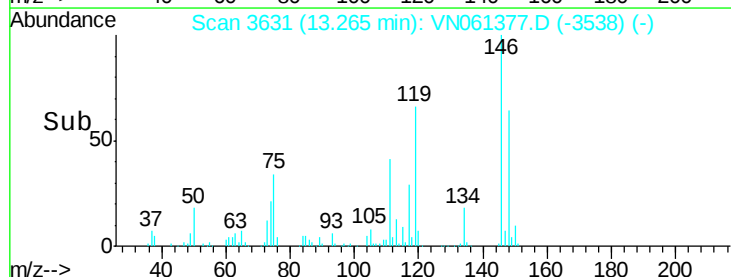
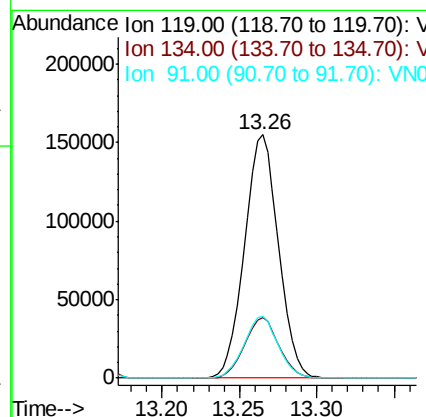
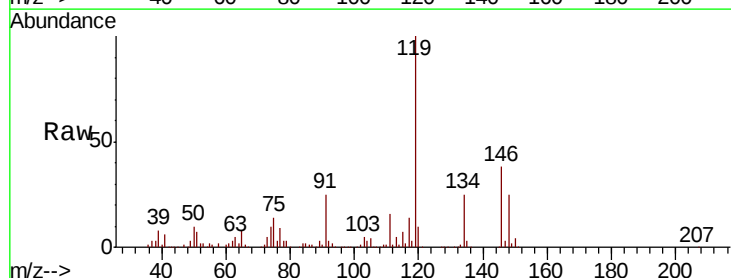
Tgt Ion:119 Resp: 236265

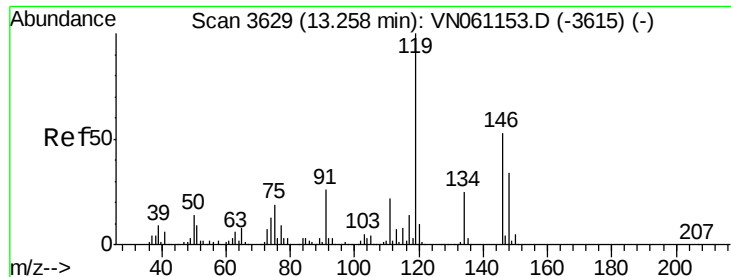
Ion Ratio Lower Upper

119 100

134 25.0 12.6 37.6

91 25.4 12.7 38.0





#87

1,3-Dichlorobenzene

Concen: 48.385 ug/l

RT: 13.26 min Scan# 3629

Delta R.T. 0.00 min

Lab File: VN061377.D

Acq: 8 May 2020 21:11

Instrument :

MSVOA_N

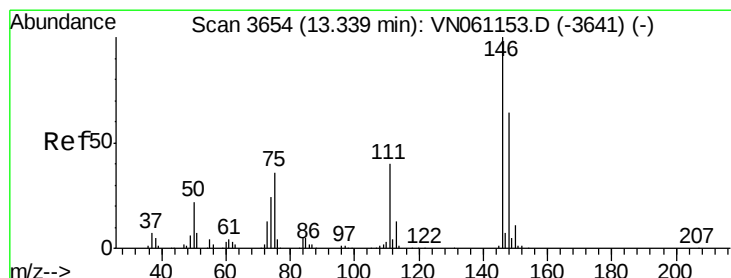
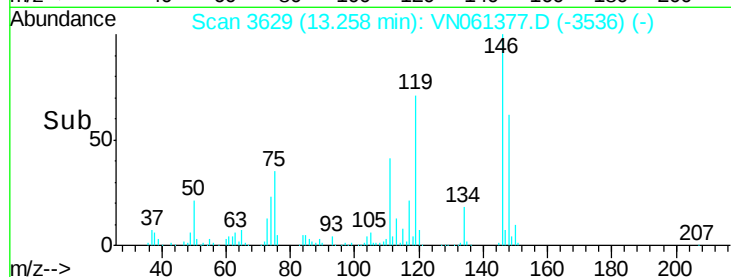
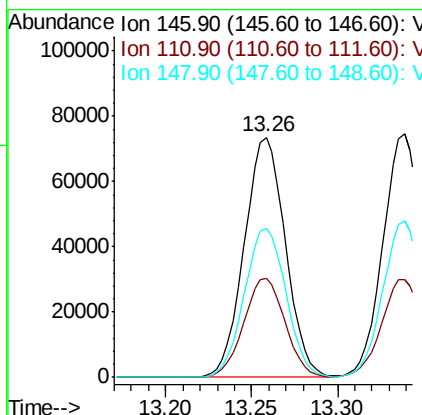
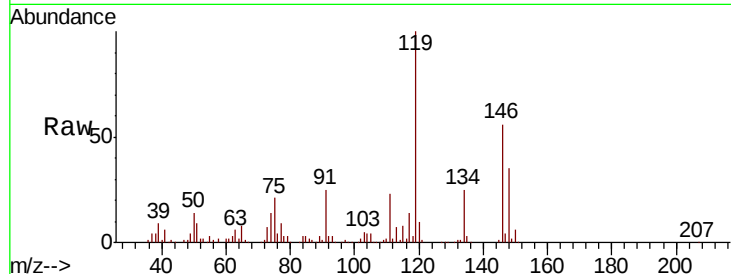
ClientSampleId :

VSTDCCC050EC

Tot Ion:	146	Resp:	121927
Ion Ratio	Lower	Upper	
146	100		
111	41.3	20.7	62.1
148	62.9	31.8	95.3

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#88

1,4-Dichlorobenzene

Concen: 47.367 ug/l

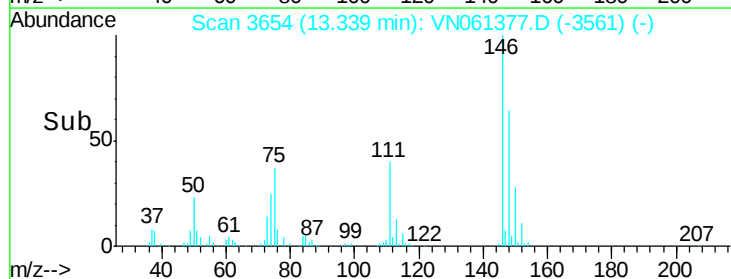
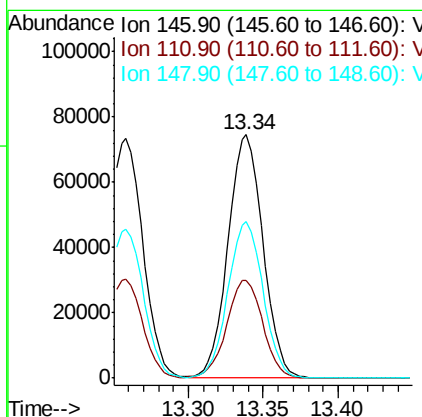
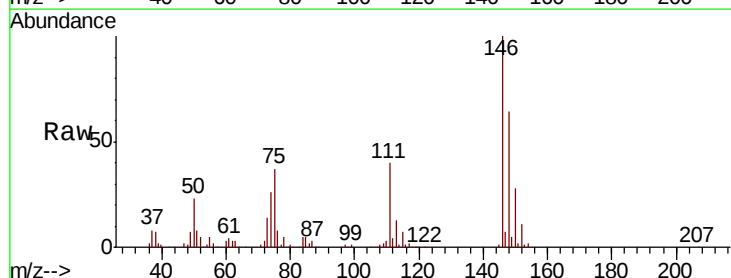
RT: 13.34 min Scan# 3654

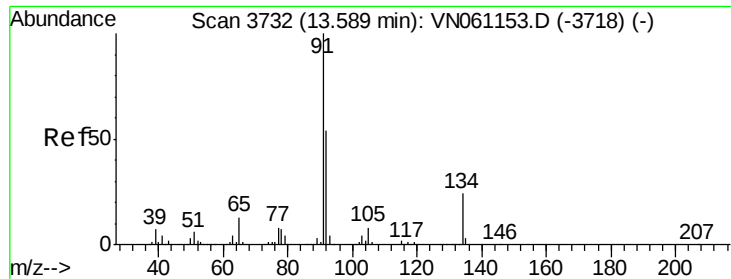
Delta R.T. 0.00 min

Lab File: VN061377.D

Acq: 8 May 2020 21:11

Tgt Ion:	146	Resp:	121958
Ion Ratio	Lower	Upper	
146	100		
111	41.3	20.4	61.3
148	64.5	31.9	95.7





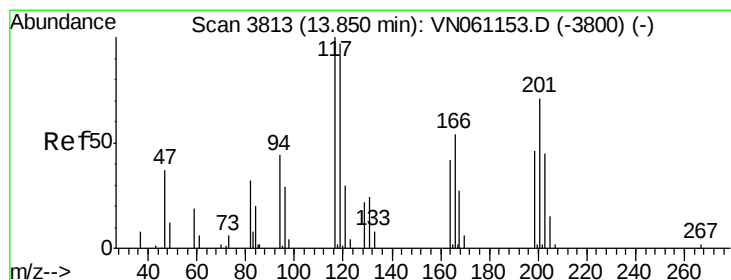
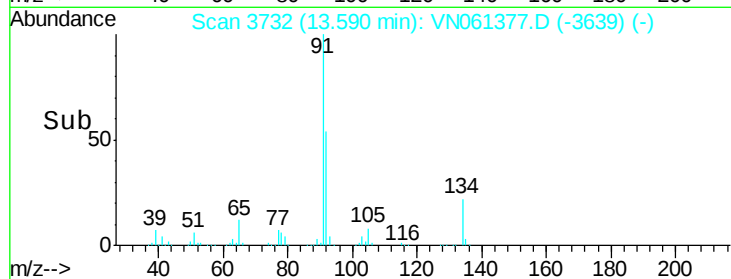
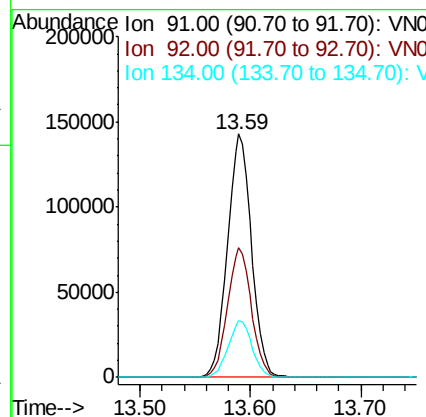
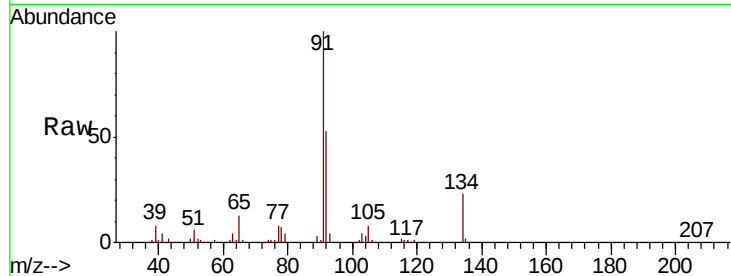
#89
n-Butylbenzene
Concen: 46.181 ug/l
RT: 13.59 min Scan# 3732
Delta R.T. 0.00 min
Lab File: VN061377.D
Acq: 8 May 2020 21:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
91	100	215213		
92	53.0	26.8	80.3	
134	23.1	11.9	35.5	

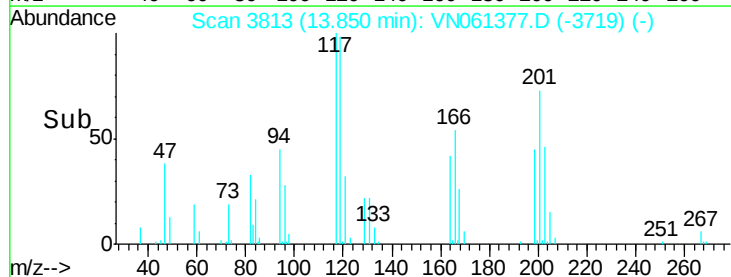
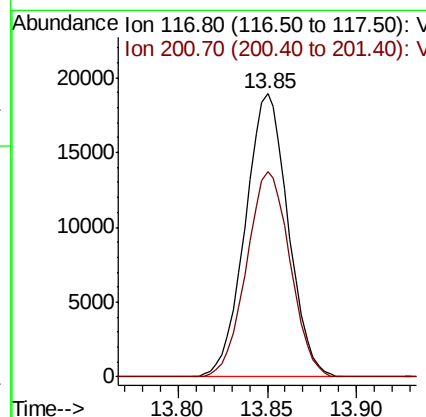
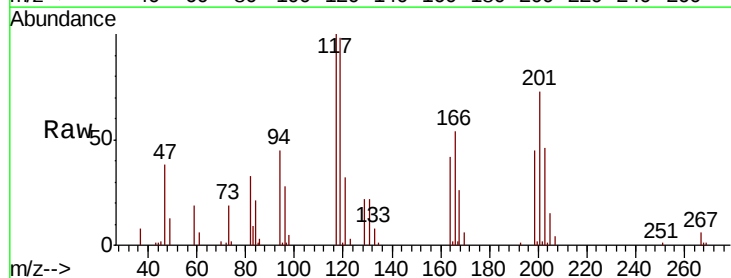
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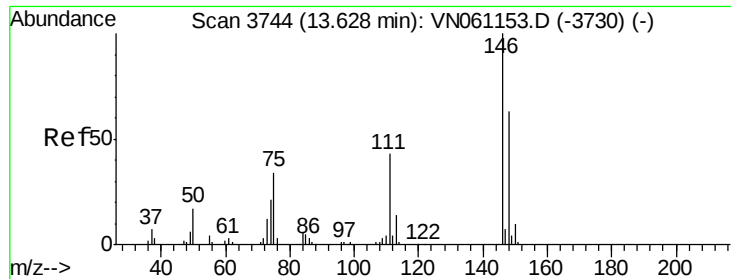
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5/11/2020 12:36:52 PM



#90
Hexachloroethane
Concen: 58.491 ug/l
RT: 13.85 min Scan# 3813
Delta R.T. 0.00 min
Lab File: VN061377.D
Acq: 8 May 2020 21:11

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	31824		
201	73.6	35.5	106.7	





#91

1,2-Dichlorobenzene

Concen: 48.453 ug/l

RT: 13.63 min Scan# 3744

Delta R.T. 0.00 min

Lab File: VN061377.D

Acq: 8 May 2020 21:11

Instrument :

MSVOA_N

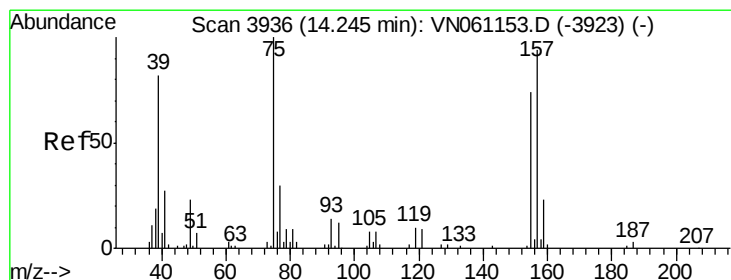
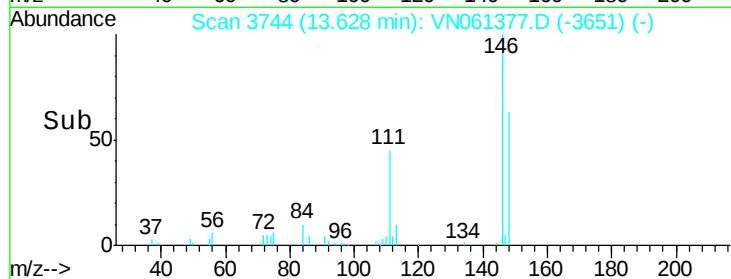
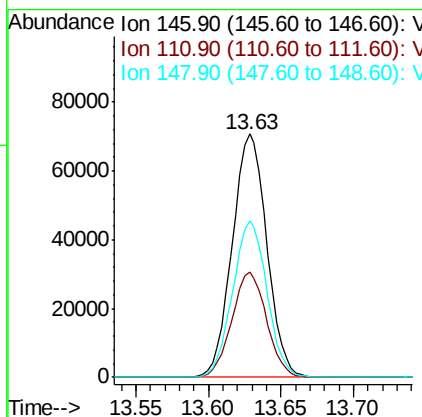
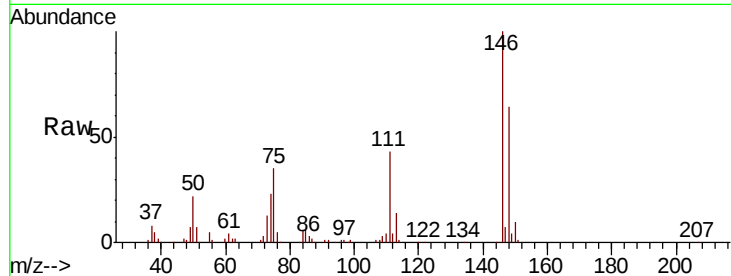
ClientSampleId :

VSTDCCC050EC

Tot Ion:	146	Resp:	117073
Ion Ratio	Lower	Upper	
146	100		
111	43.3	21.8	65.3
148	63.9	31.6	95.0

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 51.497 ug/l

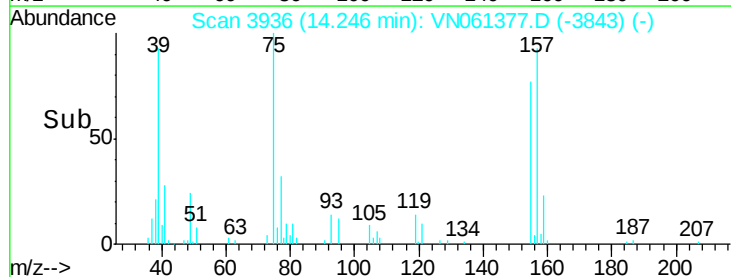
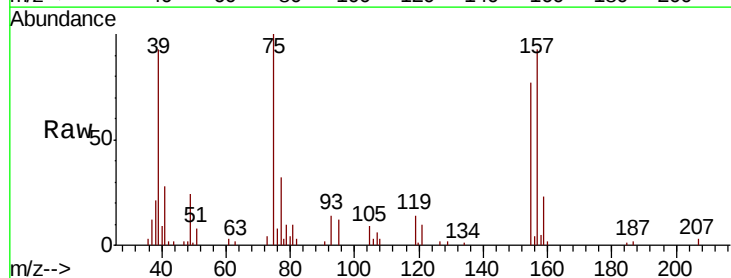
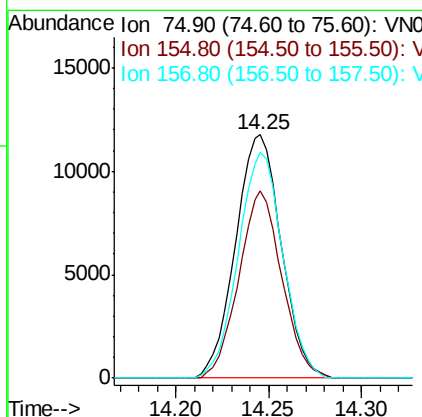
RT: 14.25 min Scan# 3936

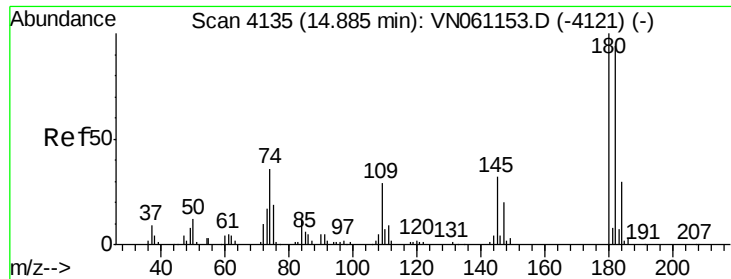
Delta R.T. 0.00 min

Lab File: VN061377.D

Acq: 8 May 2020 21:11

Tgt Ion:	75	Resp:	20110
Ion Ratio	Lower	Upper	
75	100		
155	72.3	36.5	109.7
157	90.5	46.6	139.7





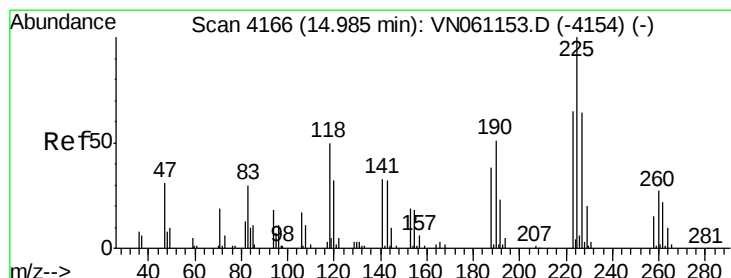
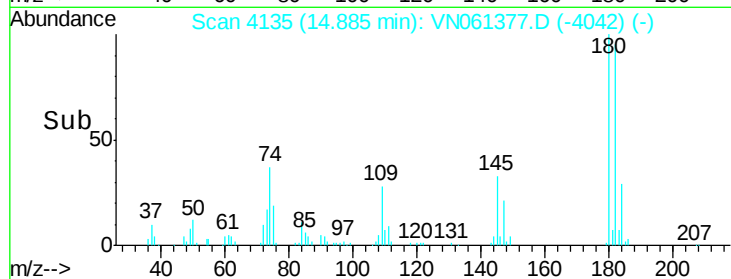
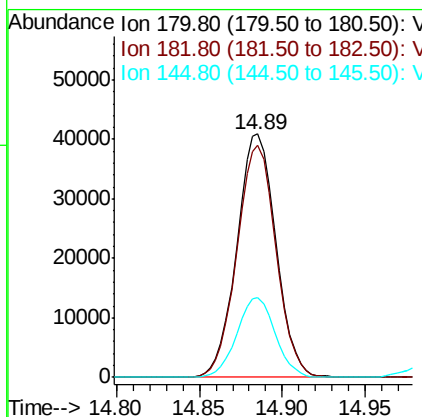
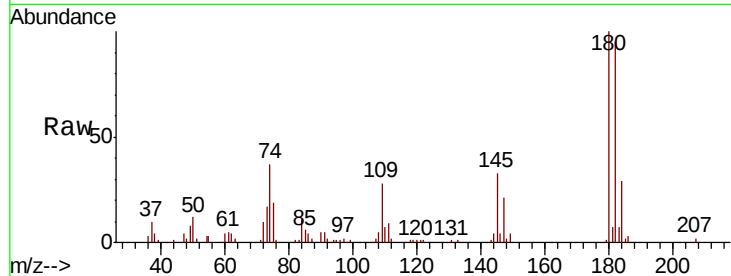
#93
 1,2,4-Trichlorobenzene
 Concen: 45.516 ug/l
 RT: 14.89 min Scan# 4135
 Delta R.T. 0.00 min
 Lab File: VN061377.D
 Acq: 8 May 2020 21:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.2	47.3	141.9
145	32.3	16.0	47.9

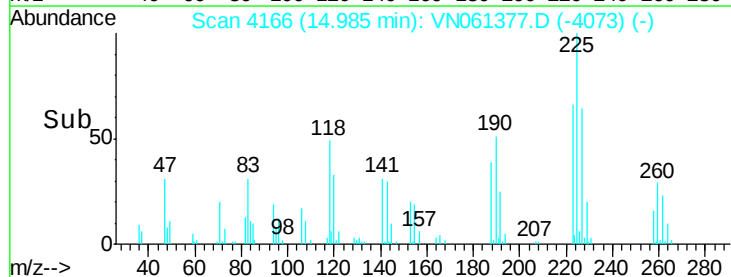
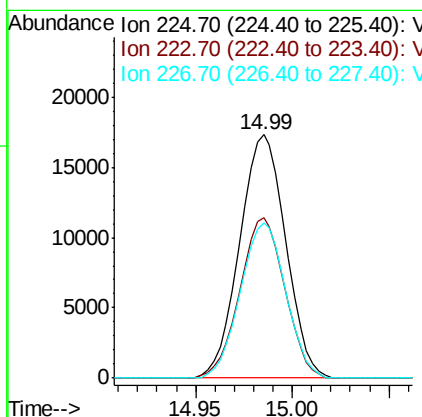
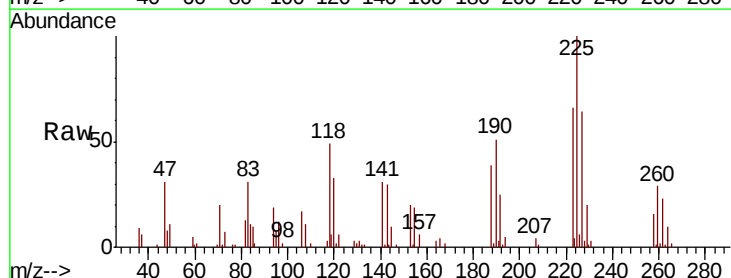
Manual Integrations
 APPROVED

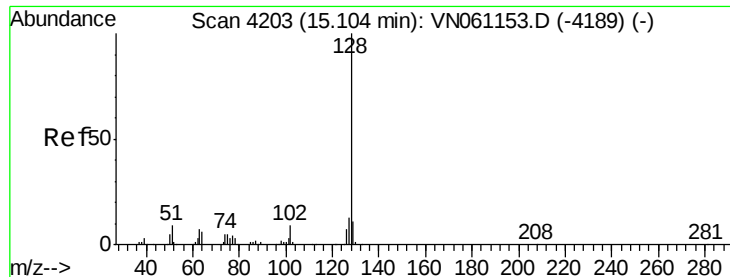
MMDadoda
 5/11/2020 12:36:52 PM



#94
 Hexachlorobutadiene
 Concen: 46.690 ug/l
 RT: 14.99 min Scan# 4166
 Delta R.T. 0.00 min
 Lab File: VN061377.D
 Acq: 8 May 2020 21:11

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.3	32.4	97.0
227	62.6	32.4	97.0





#95

Naphthalene

Concen: 45.801 ug/l

RT: 15.11 min Scan# 4204

Delta R.T. 0.00 min

Lab File: VN061377.D

Acq: 8 May 2020 21:11

Instrument :

MSVOA_N

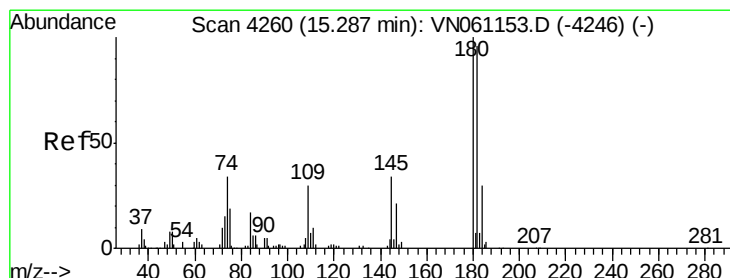
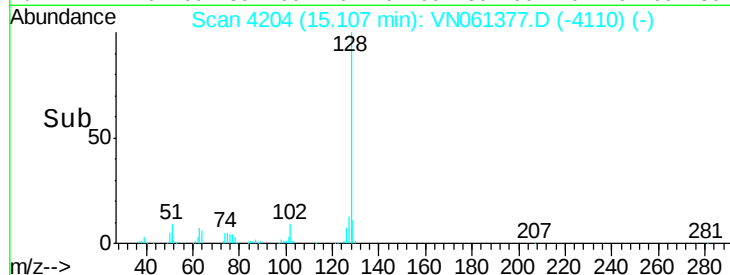
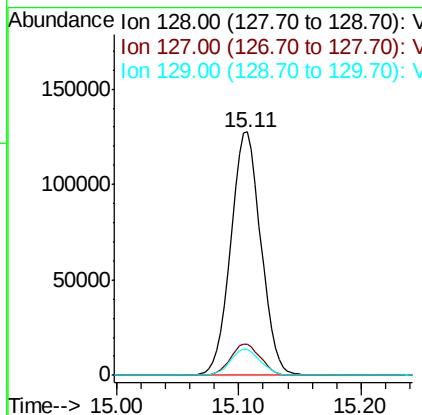
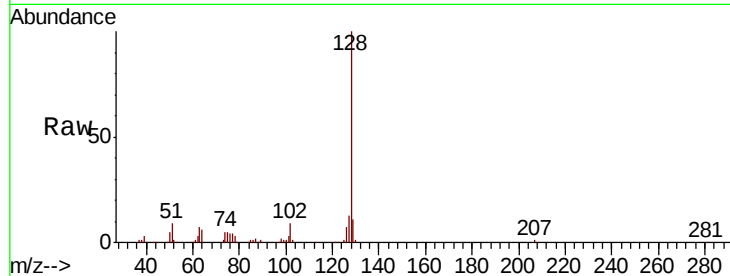
ClientSampleId :

VSTDCCC050EC

Tot Ion:	128	Resp:	219470
Ion Ratio	Lower	Upper	
128	100		
127	12.8	10.4	15.6
129	10.7	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
5/11/2020 12:36:52 PM



#96

1,2,3-Trichlorobenzene

Concen: 45.757 ug/l

RT: 15.28 min Scan# 4259

Delta R.T. -0.00 min

Lab File: VN061377.D

Acq: 8 May 2020 21:11

Tgt Ion:	180	Resp:	66470
Ion Ratio	Lower	Upper	
180	100		
182	95.0	47.5	142.5
145	33.0	16.9	50.7

