

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN041320\
 Data File : VN060910.D
 Acq On : 13 Apr 2020 19:37
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 4/14/2020 10:10:48 AM

Quant Time: Apr 14 07:30:41 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031820W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 18 08:49:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	146975	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	243460	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	222095	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	106053	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	105562	52.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.64%	
35) Dibromofluoromethane	7.56	113	79966	54.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.64%	
50) Toluene-d8	10.08	98	306115	50.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.82%	
62) 4-Bromofluorobenzene	12.40	95	115511	52.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.84%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	54696	38.461	ug/l	100
3) Chloromethane	2.04	50	110401	41.566	ug/l	99
4) Vinyl Chloride	2.17	62	86751	41.759	ug/l	98
5) Bromomethane	2.55	94	44166	49.249	ug/l	98
6) Chloroethane	2.69	64	56868	47.520	ug/l	99
7) Trichlorofluoromethane	3.00	101	114087	44.581	ug/l	100
8) Diethyl Ether	3.38	74	52888	51.445	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.74	101	67648	45.620	ug/l	99
10) Methyl Iodide	3.93	142	60167	45.599	ug/l	99
11) Tert butyl alcohol	4.72	59	68925	232.282	ug/l	99
12) 1,1-Dichloroethene	3.71	96	72368	45.478	ug/l	98
13) Acrolein	3.57	56	18237	55.454	ug/l	99
14) Allyl chloride	4.29	41	137230	49.033	ug/l	98
15) Acrylonitrile	4.94	53	224937	257.789	ug/l	100
16) Acetone	3.77	43	172574	241.468	ug/l	98
17) Carbon Disulfide	4.03	76	197324	40.773	ug/l	100
18) Methyl Acetate	4.28	43	108698	54.034	ug/l	99
19) Methyl tert-butyl Ether	5.00	73	278819	50.963	ug/l	98
20) Methylene Chloride	4.52	84	88082	50.101	ug/l	98
21) trans-1,2-Dichloroethene	5.00	96	79060	46.617	ug/l	92
22) Diisopropyl ether	5.91	45	321868	54.436	ug/l	97
23) Vinyl Acetate	5.85	43	1294444	268.313	ug/l	99
24) 1,1-Dichloroethane	5.81	63	167160	51.859	ug/l	98
25) 2-Butanone	6.79	43	291373	251.947	ug/l	97
26) 2,2-Dichloropropane	6.79	77	128011	50.475	ug/l	99
27) cis-1,2-Dichloroethene	6.80	96	95584	49.596	ug/l	97
28) Bromochloromethane	7.17	49	83572	54.190	ug/l	96
29) Tetrahydrofuran	7.17	42	198899	243.075	ug/l	98
30) Chloroform	7.34	83	158291	51.225	ug/l	99
31) Cyclohexane	7.63	56	135800	41.789	ug/l	97
32) 1,1,1-Trichloroethane	7.54	97	129494	48.611	ug/l	98
36) 1,1-Dichloropropene	7.77	75	114681	48.646	ug/l	100
37) Ethyl Acetate	6.89	43	125809	49.390	ug/l	99
38) Carbon Tetrachloride	7.75	117	100832	47.723	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	126365	45.106	ug/l	98
40) Benzene	8.02	78	360789	50.697	ug/l	100
41) Methacrylonitrile	7.13	41	52476	48.271	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	127778	52.538	ug/l	100
43) Isopropyl Acetate	8.14	43	219477	52.245	ug/l	100
44) Trichloroethene	8.82	130	88259	49.197	ug/l	98
45) 1,2-Dichloropropane	9.10	63	101444	54.022	ug/l	98
46) Dibromomethane	9.19	93	59441	52.359	ug/l	99
47) Bromodichloromethane	9.38	83	126530	53.635	ug/l	99
48) Methyl methacrylate	9.18	41	98321	52.567	ug/l	98
49) 1,4-Dioxane	9.18	88	23019	1035.415	ug/l	99
51) 4-Methyl-2-Pentanone	9.97	43	628465	262.899	ug/l	99
52) Toluene	10.14	92	214754	49.967	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	145116	53.552	ug/l	98
54) cis-1,3-Dichloropropene	9.82	75	156360	52.597	ug/l	98
55) 1,1,2-Trichloroethane	10.55	97	87366	52.838	ug/l	98
56) Ethyl methacrylate	10.42	69	139829	54.236	ug/l	99
57) 1,3-Dichloropropane	10.70	76	153272	53.418	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	301220	235.077	ug/l	99
59) 2-Hexanone	10.74	43	444634	258.205	ug/l	99
60) Dibromochloromethane	10.89	129	91824	53.763	ug/l	99
61) 1,2-Dibromoethane	10.99	107	86262	51.882	ug/l	100
64) Tetrachloroethene	10.62	164	79437	45.452	ug/l	98
65) Chlorobenzene	11.42	112	222893	50.625	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	83634	52.464	ug/l	98
67) Ethyl Benzene	11.50	91	411231	50.225	ug/l	100
68) m/p-Xylenes	11.61	106	302904	99.555	ug/l	98
69) o-Xylene	11.94	106	146463	50.426	ug/l	99
70) Styrene	11.96	104	246961	51.988	ug/l	100
71) Bromoform	12.12	173	64239	48.536	ug/l #	99
73) Isopropylbenzene	12.24	105	386961	48.620	ug/l	99
74) N-amyl acetate	12.06	43	187768	51.056	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.50	83	125692	52.223	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	112200m	49.030	ug/l	
77) Bromobenzene	12.52	156	95147	49.612	ug/l	99
78) n-propylbenzene	12.59	91	460562	48.981	ug/l	98
79) 2-Chlorotoluene	12.67	91	275600	49.055	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	330186	48.887	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.29	75	44379	49.807	ug/l	100
82) 4-Chlorotoluene	12.77	91	289174	50.536	ug/l	98
83) tert-Butylbenzene	12.99	119	272778	48.720	ug/l	99
84) 1,2,4-Trimethylbenzene	13.03	105	332892	49.820	ug/l	100
85) sec-Butylbenzene	13.17	105	374164	49.697	ug/l	100
86) p-Isopropyltoluene	13.28	119	336975	49.773	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	170084	50.284	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	170656	50.218	ug/l	99
89) n-Butylbenzene	13.61	91	319056	52.197	ug/l	100
90) Hexachloroethane	13.87	117	53310	54.171	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	166337	51.429	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.26	75	24510	48.612	ug/l	94

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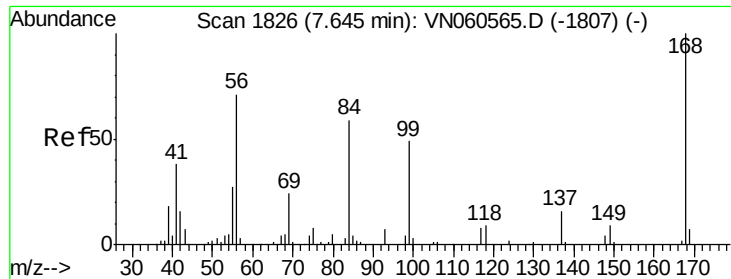
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	104320	52.524	ug/l	100
94) Hexachlorobutadiene	15.01	225	50170	51.528	ug/l	99
95) Naphthalene	15.13	128	295453	49.457	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	99706	50.966	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

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Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 146975

Ion Ratio Lower Upper

168 100

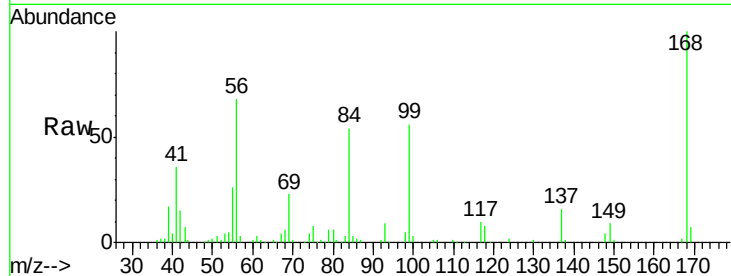
99 56.2 44.0 66.0

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

60000

40000

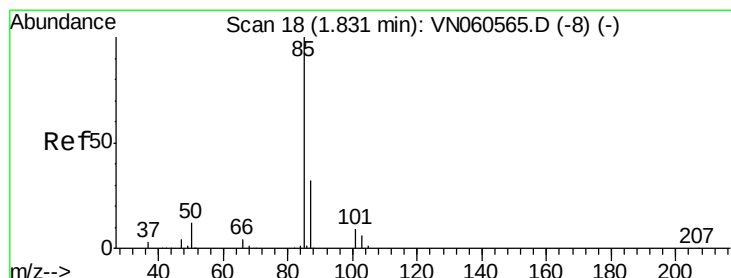
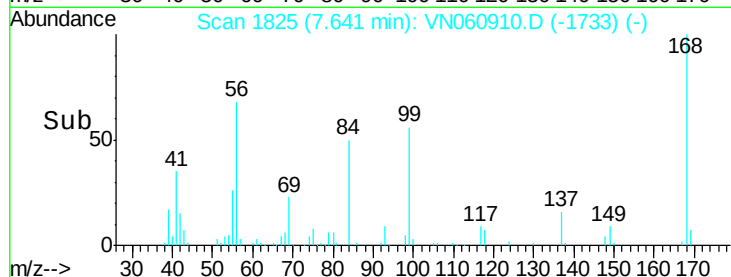
20000

0

7.60 7.70

7.64

Time-->



#2

Dichlorodifluoromethane

Concen: 38.461 ug/l

RT: 1.83 min Scan# 18

Delta R.T. -0.00 min

Lab File: VN060910.D

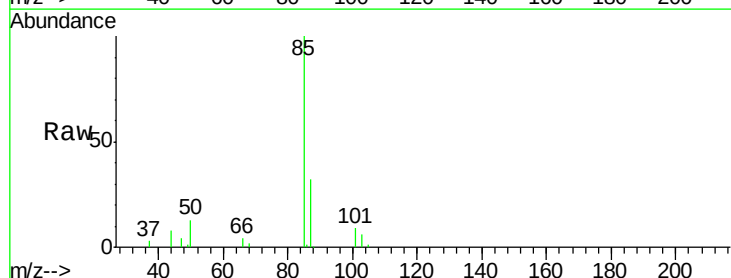
Acq: 13 Apr 2020 19:37

Tgt Ion: 85 Resp: 54696

Ion Ratio Lower Upper

85 100

87 32.5 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

40000

30000

20000

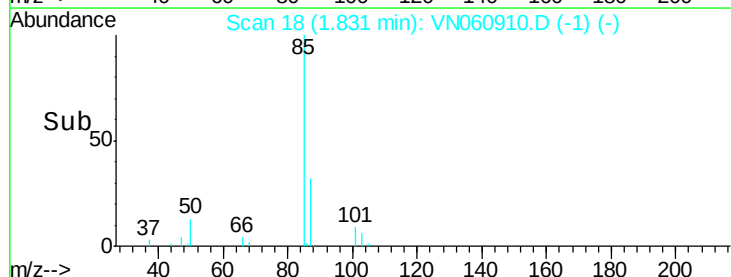
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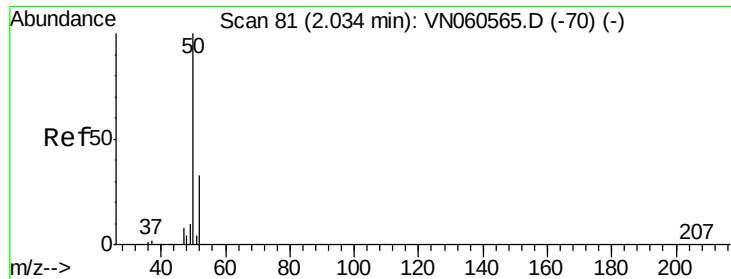
0

1.80 1.85 1.90

1.83

Time-->





#3

Chloromethane

Concen: 41.566 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN060910.D

Acq: 13 Apr 2020 19:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 110401

Ion Ratio Lower Upper

50 100

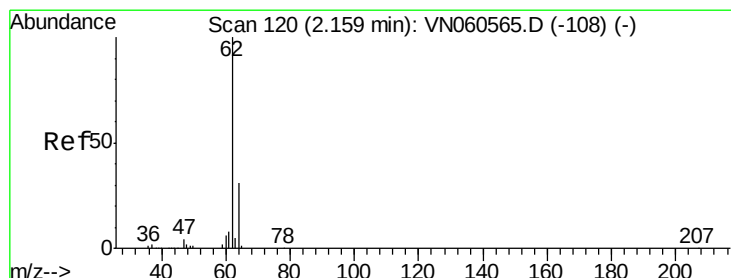
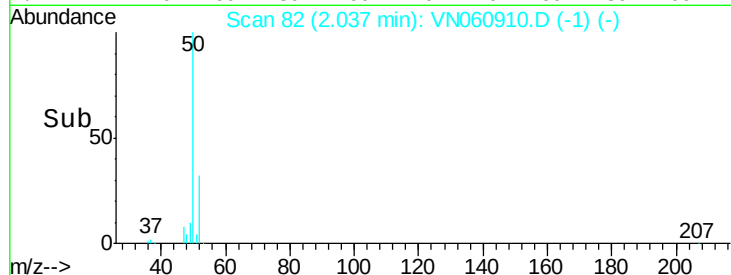
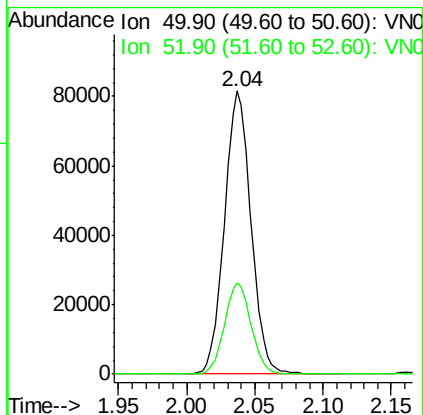
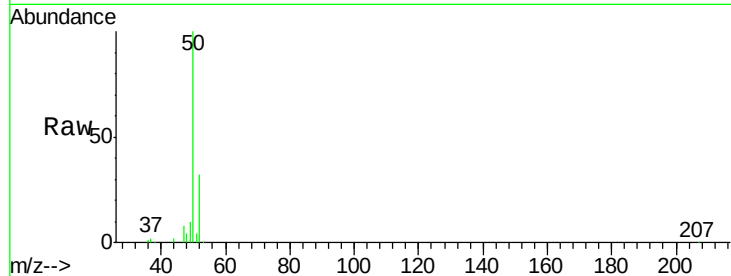
52 32.4 26.2 39.2

Manual Integrations

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#4

Vinyl Chloride

Concen: 41.759 ug/l

RT: 2.17 min Scan# 122

Delta R.T. 0.01 min

Lab File: VN060910.D

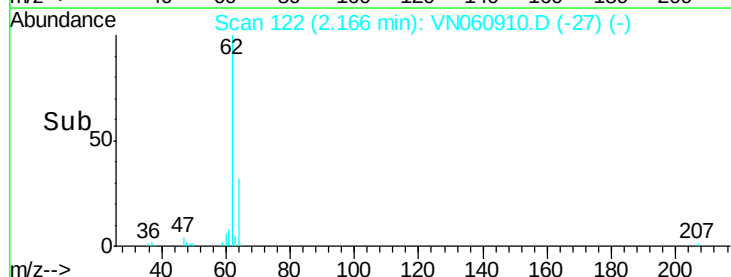
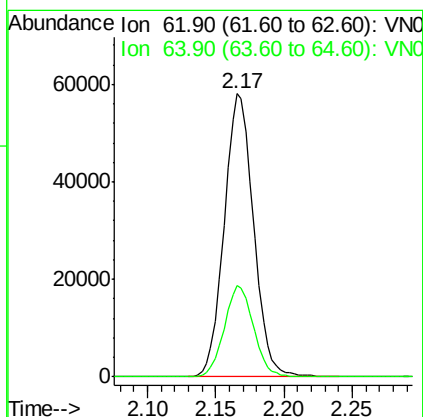
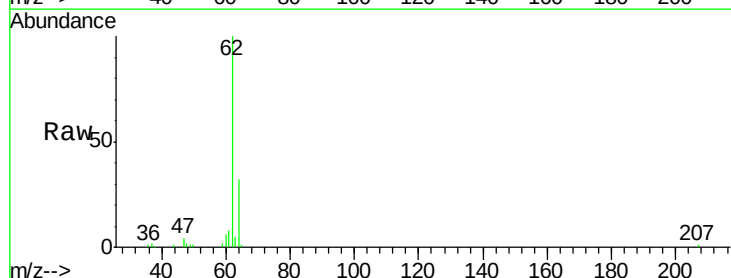
Acq: 13 Apr 2020 19:37

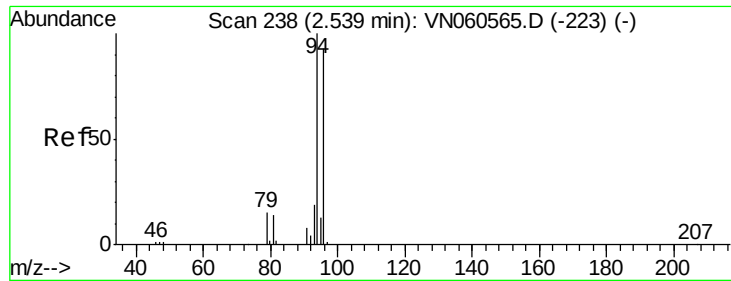
Tgt Ion: 62 Resp: 86751

Ion Ratio Lower Upper

62 100

64 32.1 24.7 37.1





#5

Bromomethane

Concen: 49.249 ug/l

RT: 2.55 min Scan# 241

Delta R.T. 0.01 min

Lab File: VN060910.D

Acq: 13 Apr 2020 19:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 44166

Ion Ratio Lower Upper

94 100

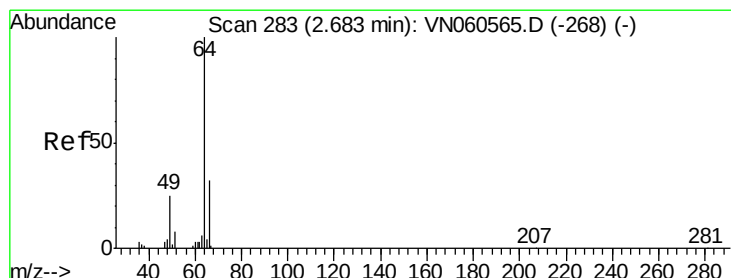
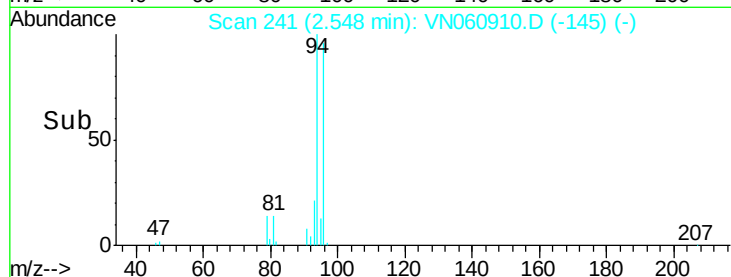
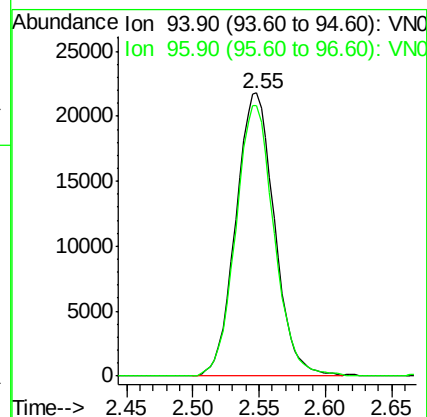
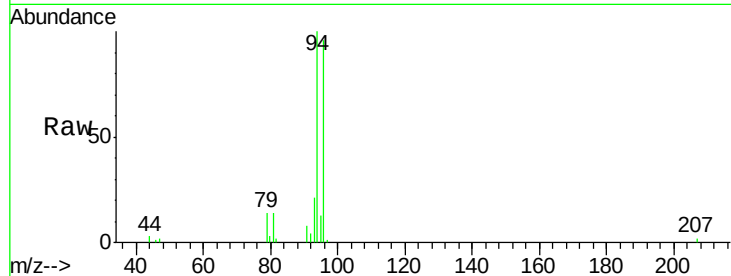
96 95.6 74.6 112.0

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#6

Chloroethane

Concen: 47.520 ug/l

RT: 2.69 min Scan# 284

Delta R.T. 0.00 min

Lab File: VN060910.D

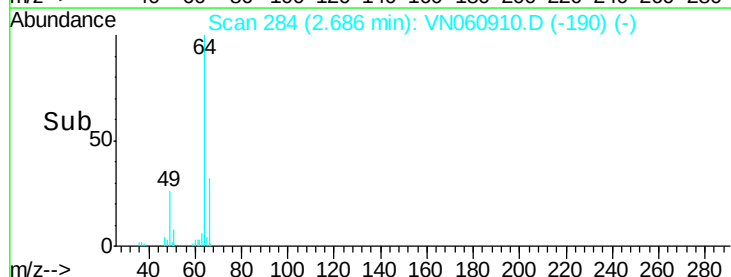
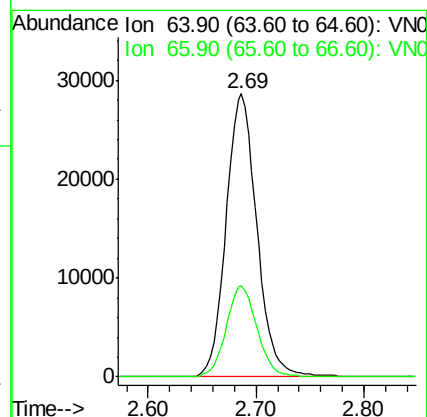
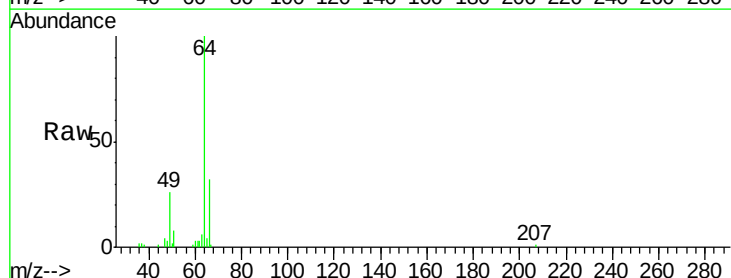
Acq: 13 Apr 2020 19:37

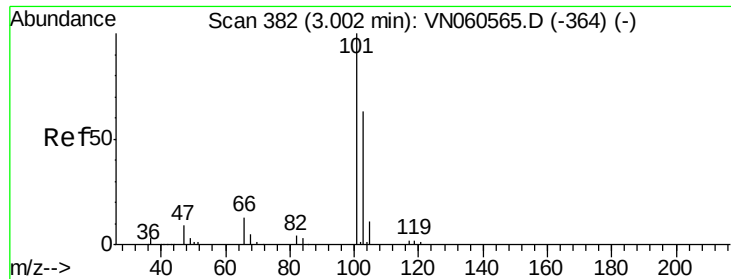
Tgt Ion: 64 Resp: 56868

Ion Ratio Lower Upper

64 100

66 32.1 25.3 37.9





#7

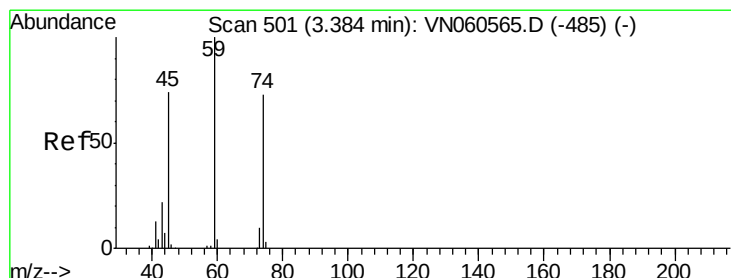
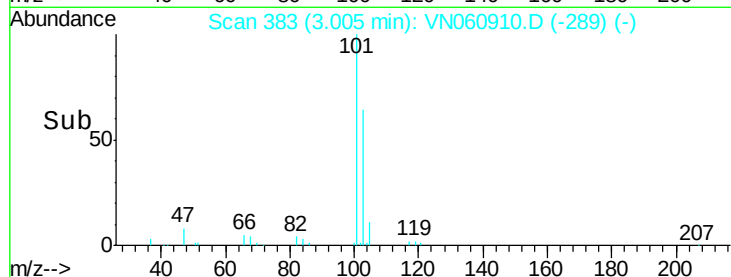
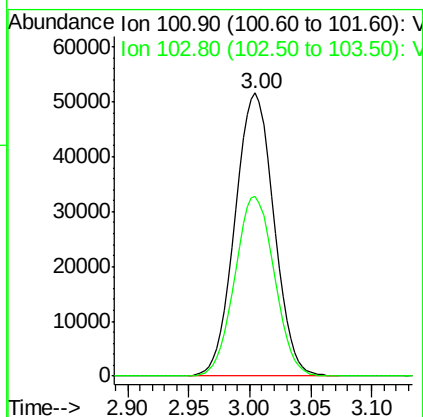
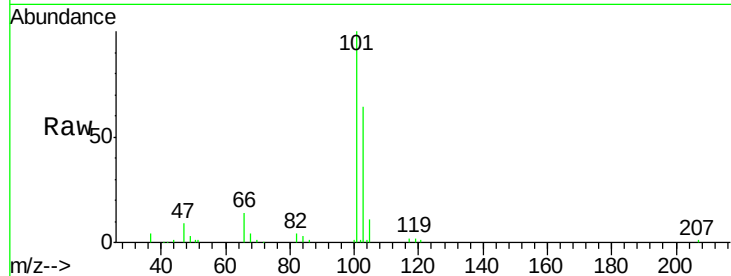
Trichlorofluoromethane
Concen: 44.581 ug/l
RT: 3.00 min Scan# 383
Delta R.T. 0.00 min
Lab File: VN060910.D
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ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.6	50.6	76.0

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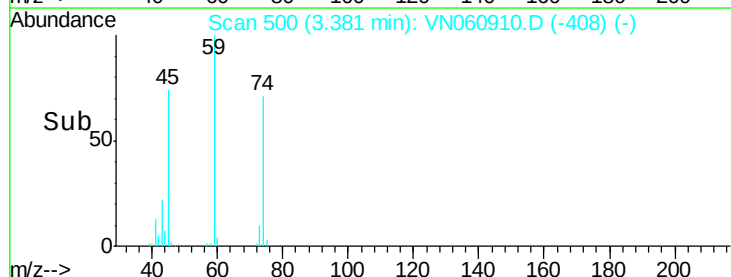
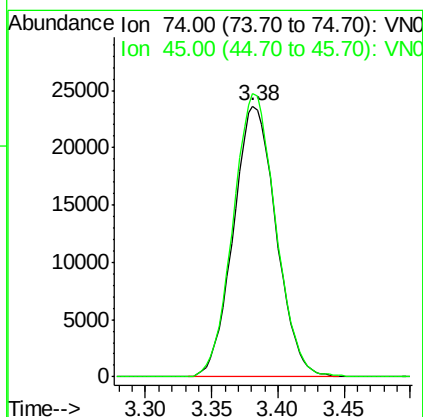
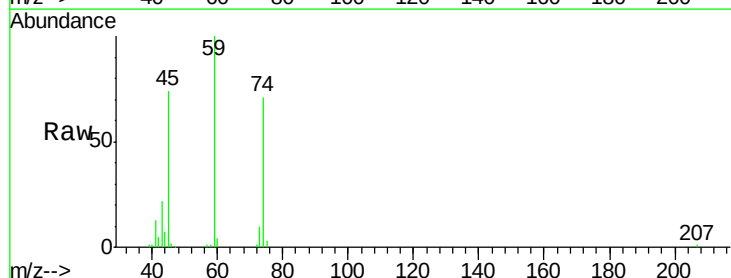
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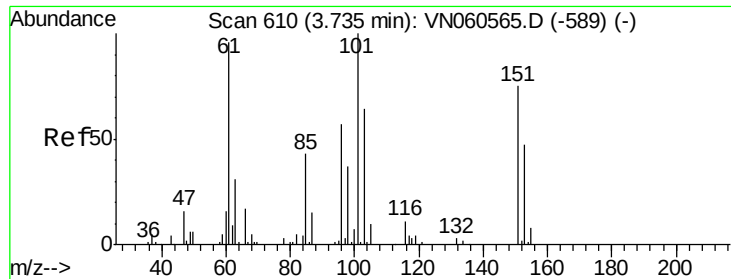


#8

Diethyl Ether
Concen: 51.445 ug/l
RT: 3.38 min Scan# 500
Delta R.T. -0.00 min
Lab File: VN060910.D
Acq: 13 Apr 2020 19:37

Tgt Ion	Ratio	Lower	Upper
74	100		
45	104.4	51.3	153.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 45.620 ug/l

RT: 3.74 min Scan# 611

Delta R.T. 0.00 min

Lab File: VN060910.D

Acq: 13 Apr 2020 19:37

Instrument :

MSVOA_N

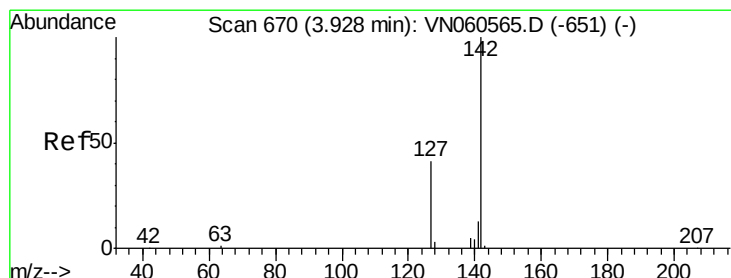
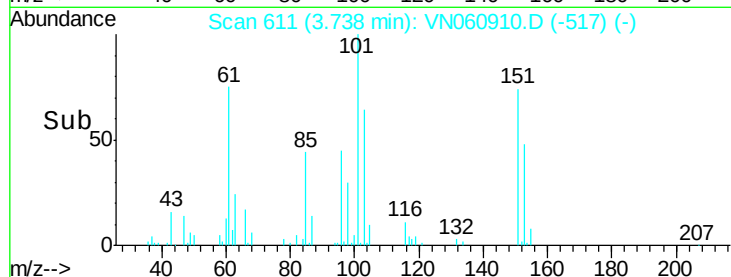
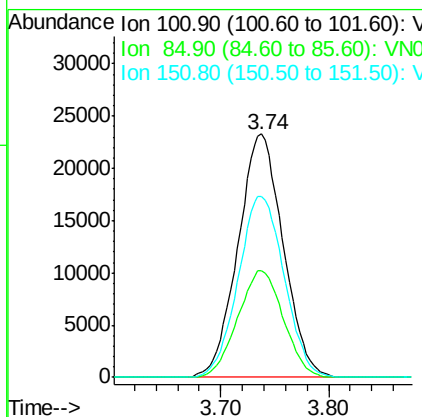
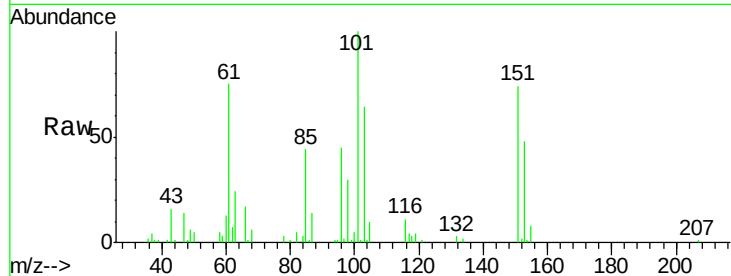
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	67648
Ion Ratio	Lower	Upper	
101	100		
85	44.2	35.6	53.4
151	75.9	61.4	92.2

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#10

Methyl Iodide

Concen: 45.599 ug/l

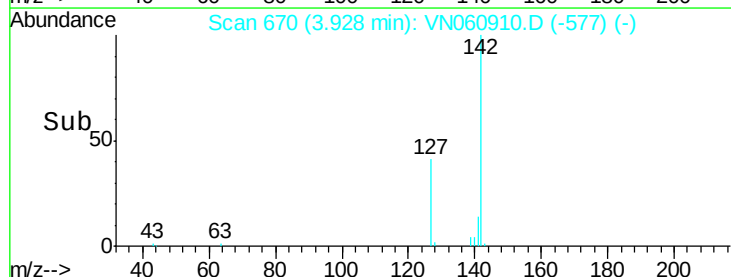
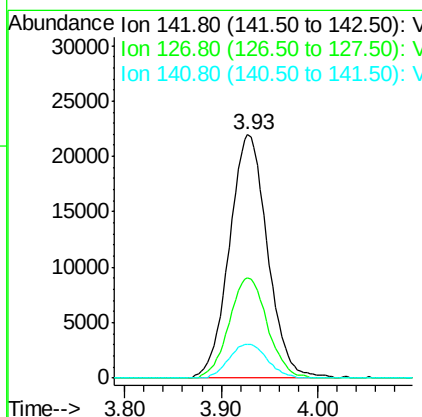
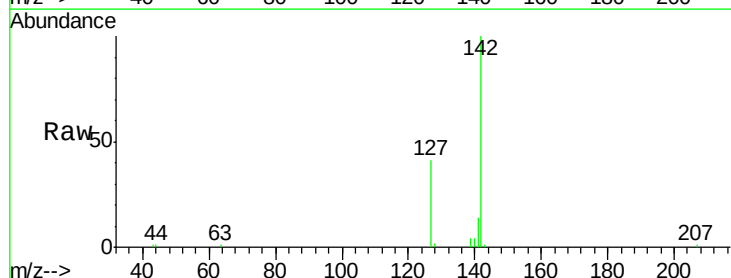
RT: 3.93 min Scan# 670

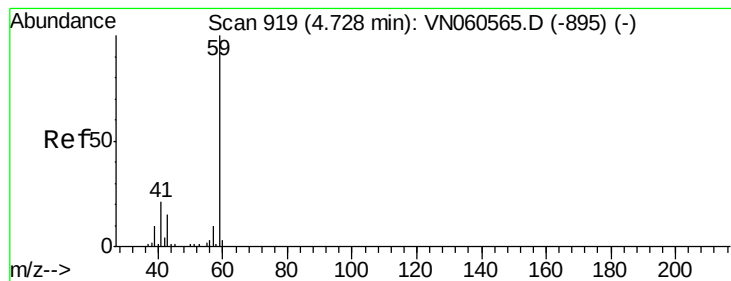
Delta R.T. -0.00 min

Lab File: VN060910.D

Acq: 13 Apr 2020 19:37

Tgt Ion:	142	Resp:	60167
Ion Ratio	Lower	Upper	
142	100		
127	41.2	33.5	50.3
141	13.9	11.0	16.6





#11

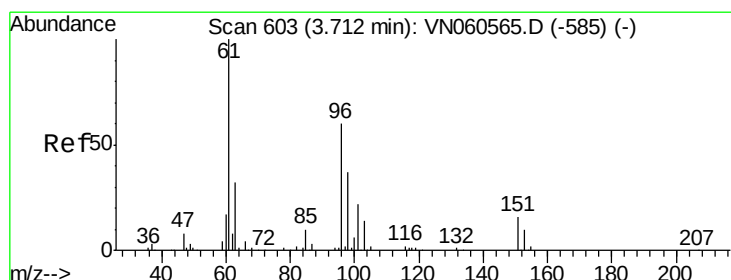
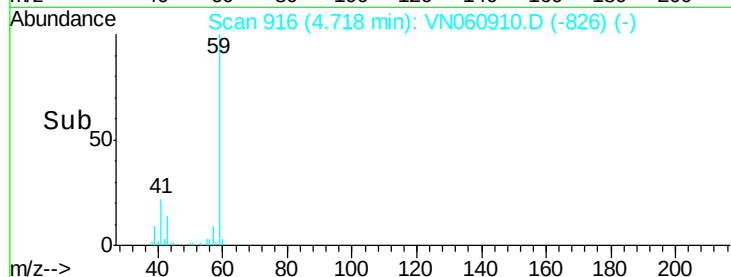
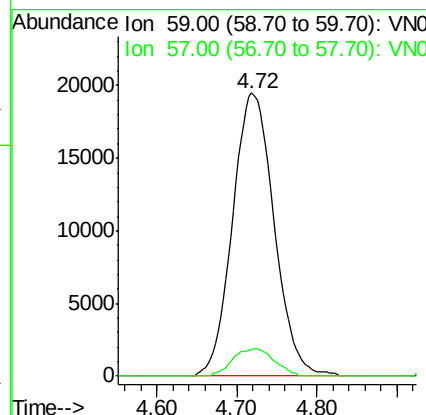
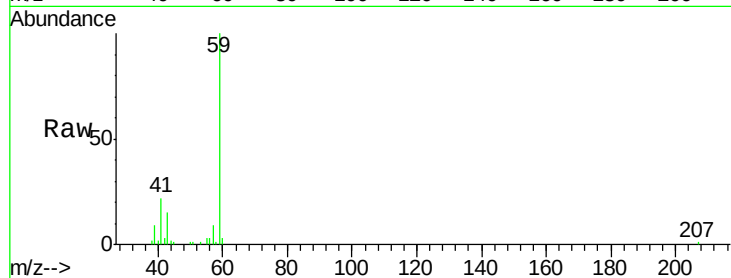
Tert butyl alcohol
Concen: 232.282 ug/l
RT: 4.72 min Scan# 916
Delta R.T. -0.01 min
Lab File: VN060910.D
Acq: 13 Apr 2020 19:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.7	8.2	12.4

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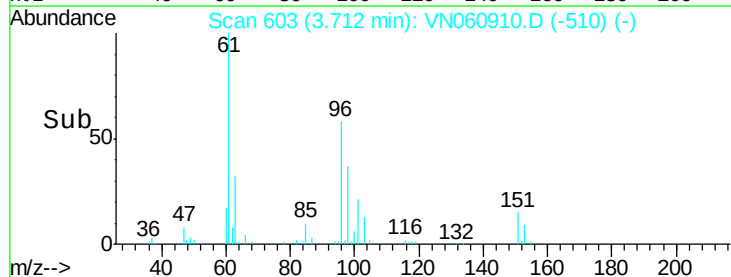
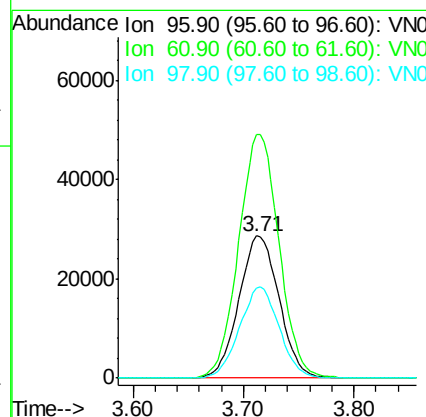
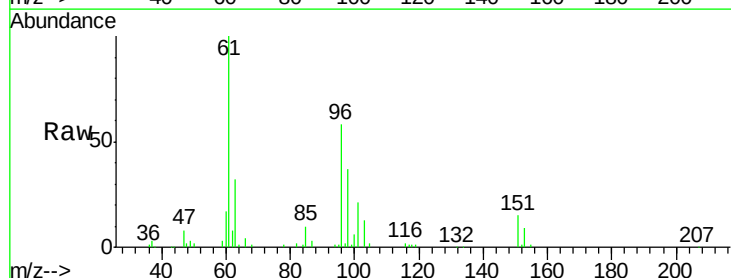
MMDadoda
4/14/2020 10:10:48 AM

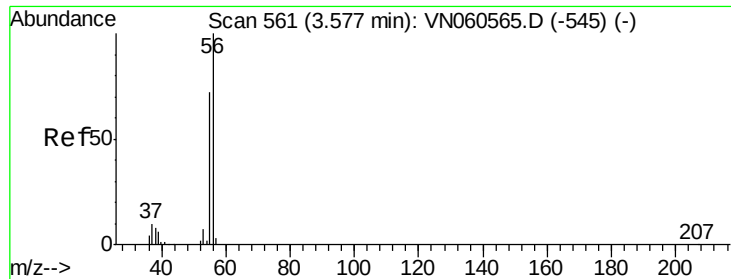


#12

1,1-Dichloroethene
Concen: 45.478 ug/l
RT: 3.71 min Scan# 603
Delta R.T. -0.00 min
Lab File: VN060910.D
Acq: 13 Apr 2020 19:37

Tgt Ion	Ratio	Lower	Upper
96	100		
61	171.3	134.1	201.1
98	63.3	49.9	74.9





#13

Acrolein

Concen: 55.454 ug/l

RT: 3.57 min Scan# 560

Delta R.T. -0.00 min

Lab File: VN060910.D

Acq: 13 Apr 2020 19:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 18237

Ion Ratio Lower Upper

56 100

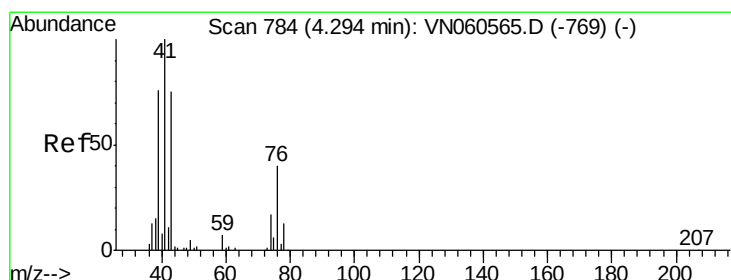
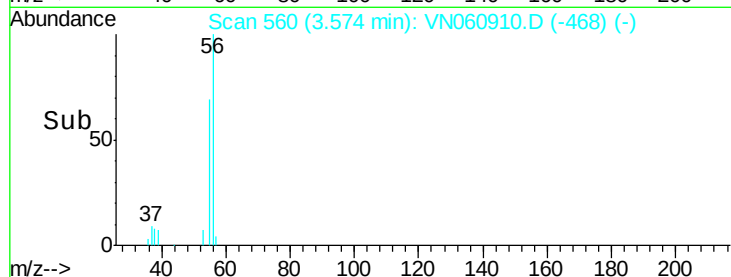
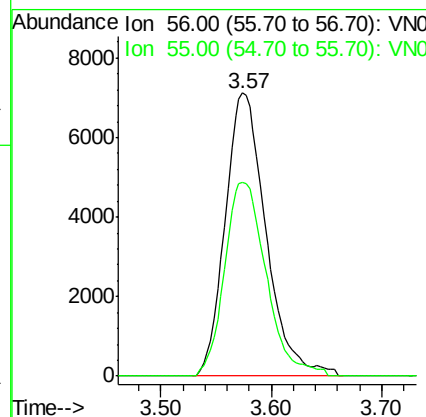
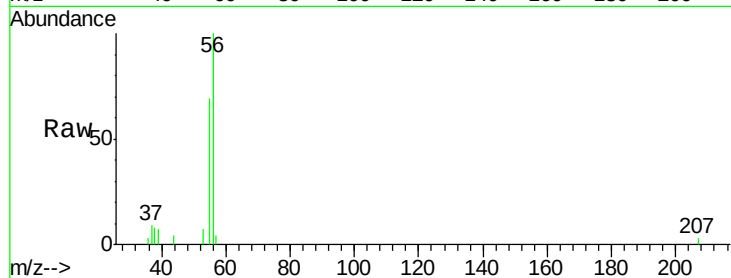
55 70.0 56.7 85.1

Manual Integrations

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4/14/2020 10:10:48 AM



#14

Allyl chloride

Concen: 49.033 ug/l

RT: 4.29 min Scan# 784

Delta R.T. -0.00 min

Lab File: VN060910.D

Acq: 13 Apr 2020 19:37

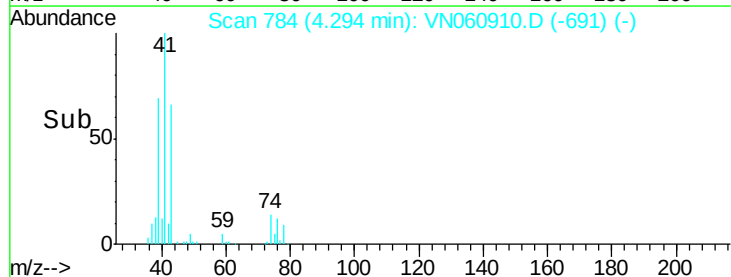
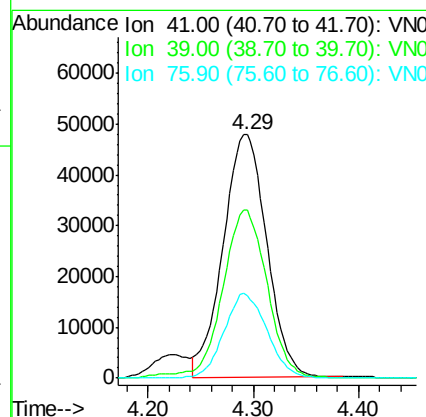
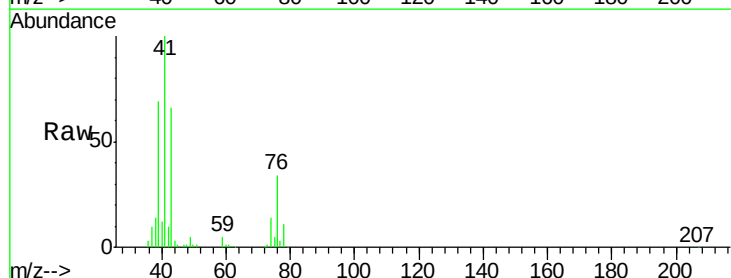
Tgt Ion: 41 Resp: 137230

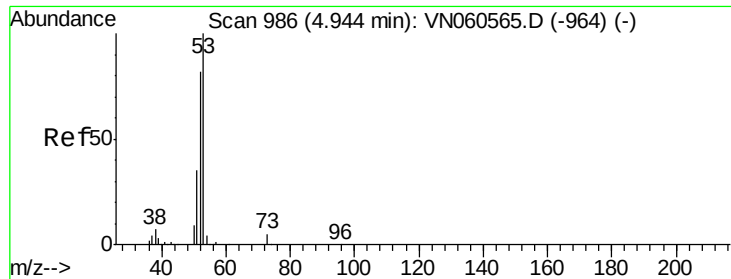
Ion Ratio Lower Upper

41 100

39 71.0 57.8 86.8

76 34.4 28.6 43.0





#15

Acrylonitrile

Concen: 257.789 ug/l

RT: 4.94 min Scan# 984

Delta R.T. -0.01 min

Lab File: VN060910.D

Acq: 13 Apr 2020 19:37

Instrument :

MSVOA_N

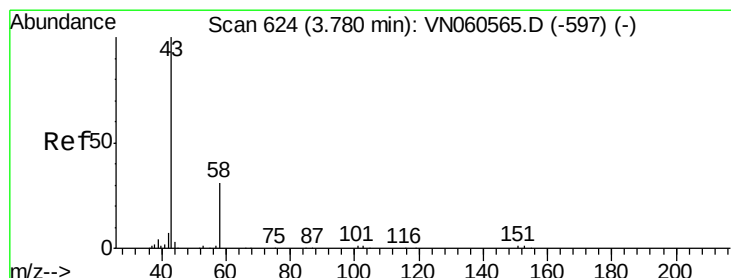
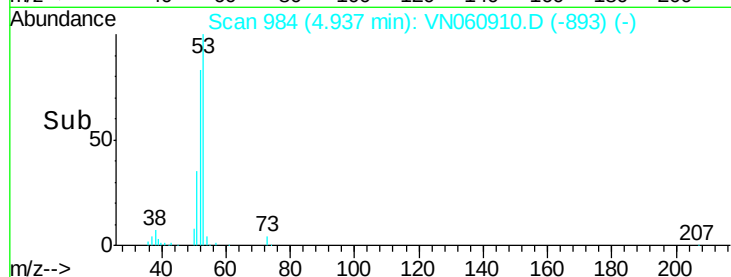
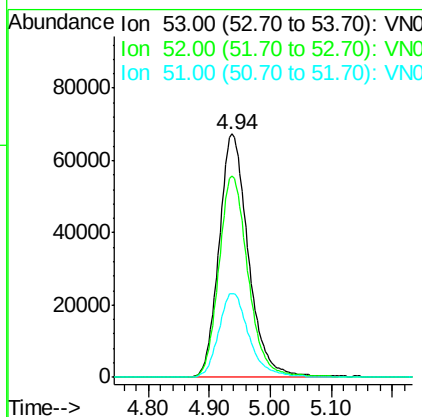
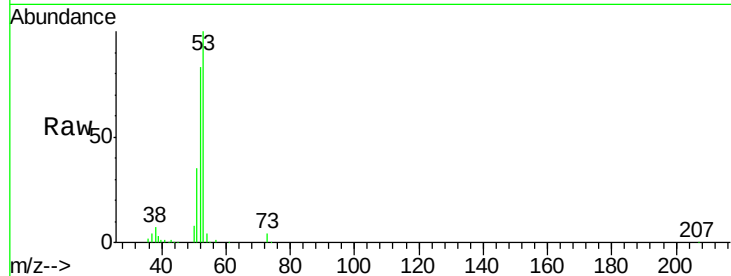
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	224937
Ion	Ratio	Lower	Upper
53	100		
52	82.3	66.2	99.4
51	35.9	28.7	43.1

Manual Integrations
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#16

Acetone

Concen: 241.468 ug/l

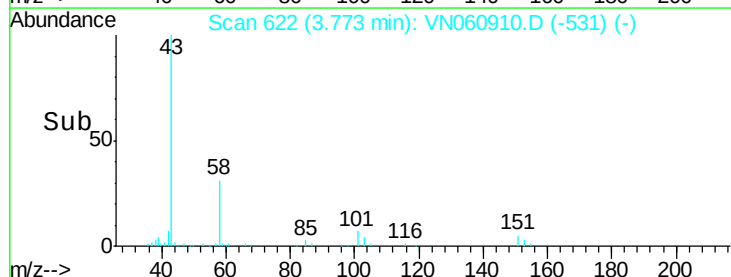
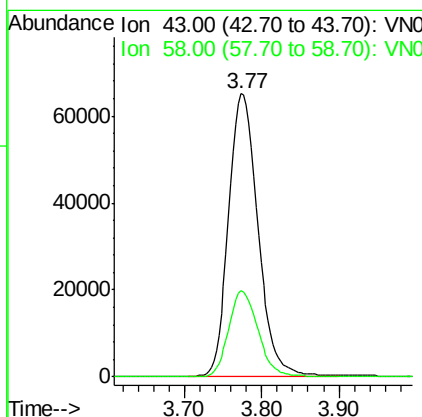
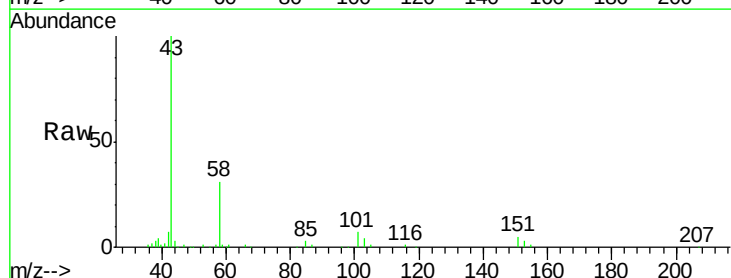
RT: 3.77 min Scan# 622

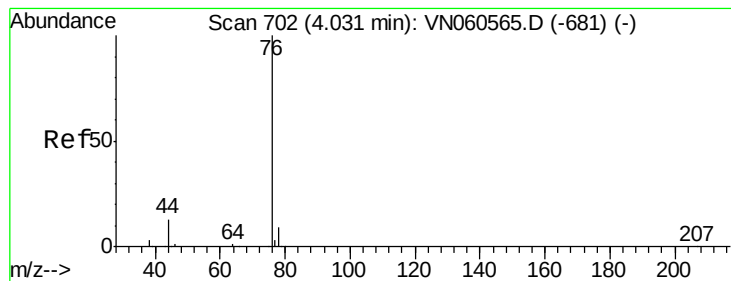
Delta R.T. -0.01 min

Lab File: VN060910.D

Acq: 13 Apr 2020 19:37

Tgt Ion:	43	Resp:	172574
Ion	Ratio	Lower	Upper
43	100		
58	30.5	25.1	37.7





#17

Carbon Disulfide

Concen: 40.773 ug/l

RT: 4.03 min Scan# 702

Delta R.T. -0.00 min

Lab File: VN060910.D

Acq: 13 Apr 2020 19:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 197324

Ion Ratio Lower Upper

76 100

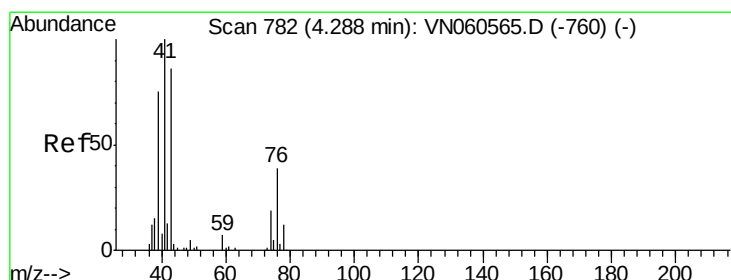
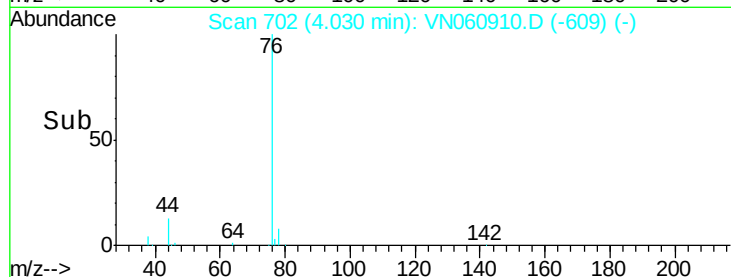
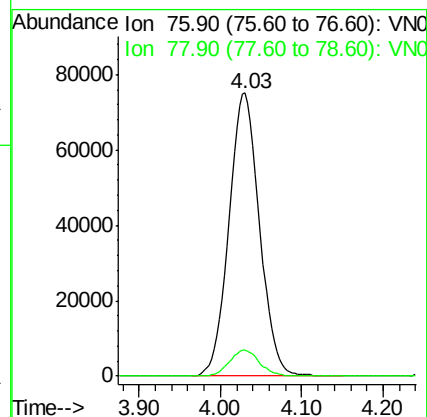
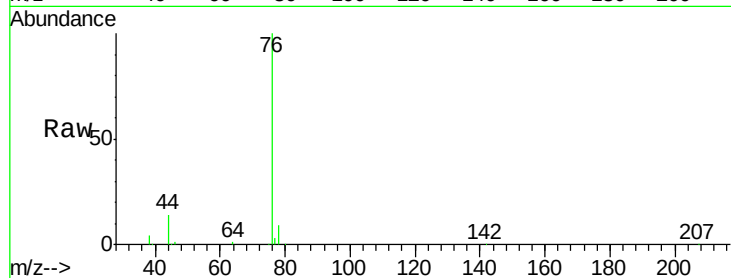
78 9.0 7.2 10.8

Manual Integrations

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MMDadoda

4/14/2020 10:10:48 AM



#18

Methyl Acetate

Concen: 54.034 ug/l

RT: 4.28 min Scan# 781

Delta R.T. -0.00 min

Lab File: VN060910.D

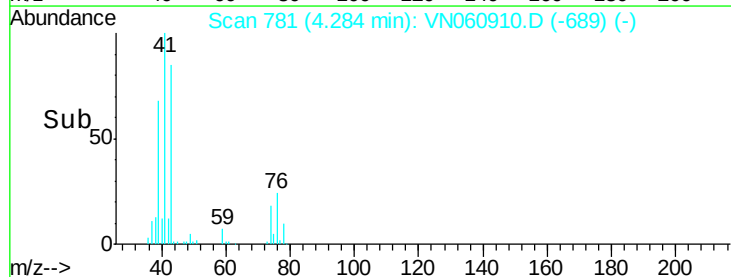
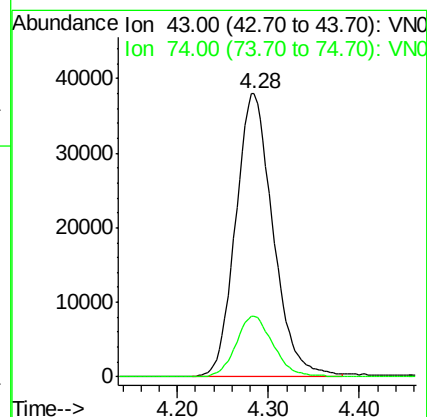
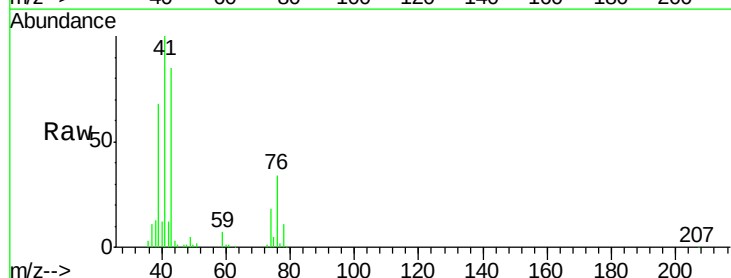
Acq: 13 Apr 2020 19:37

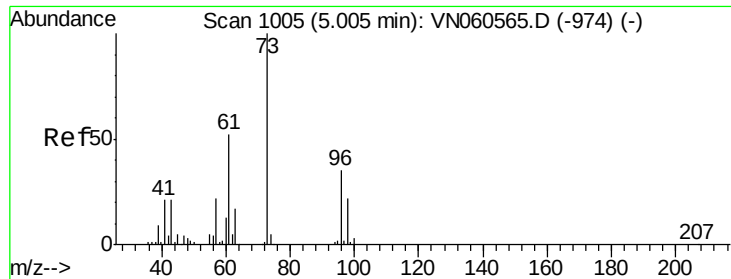
Tgt Ion: 43 Resp: 108698

Ion Ratio Lower Upper

43 100

74 21.4 17.5 26.3





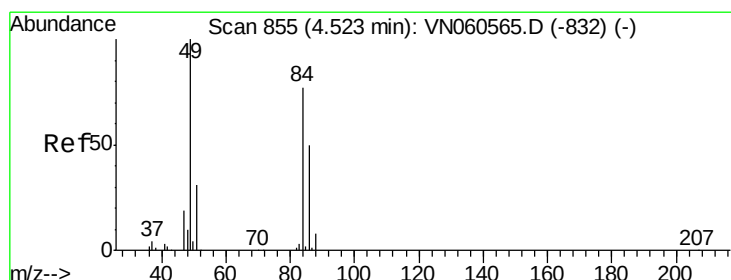
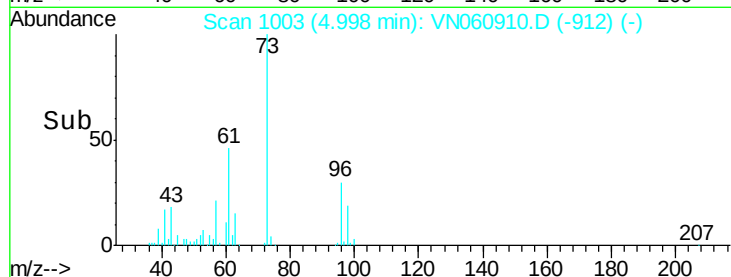
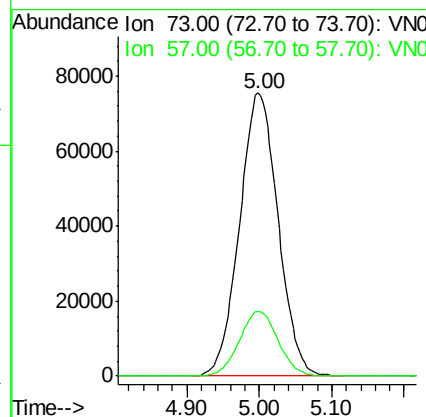
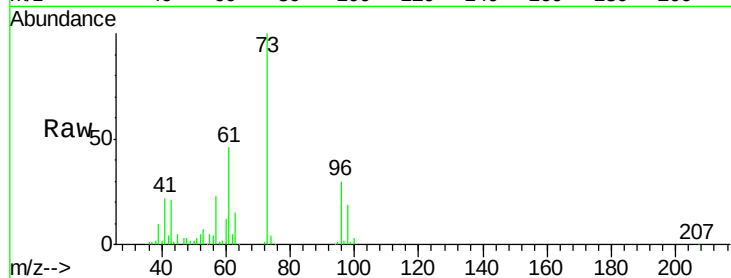
#19
Methvl tert-butyl Ether
Concen: 50.963 ug/l
RT: 5.00 min Scan# 1003
Delta R.T. -0.01 min
Lab File: VN060910.D
Acq: 13 Apr 2020 19:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 278819
Ion Ratio Lower Upper
73 100
57 23.0 17.5 26.3

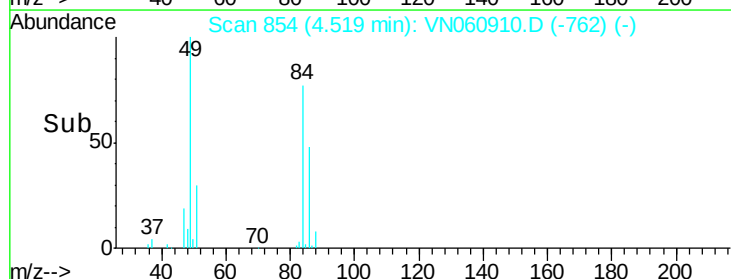
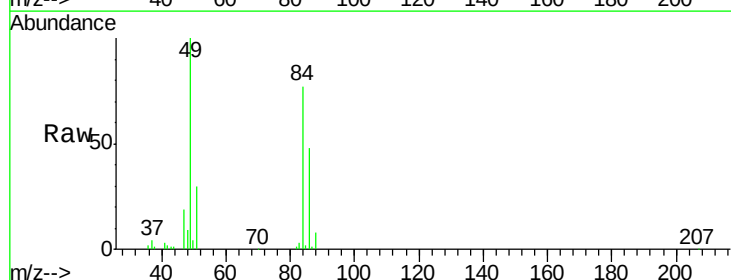
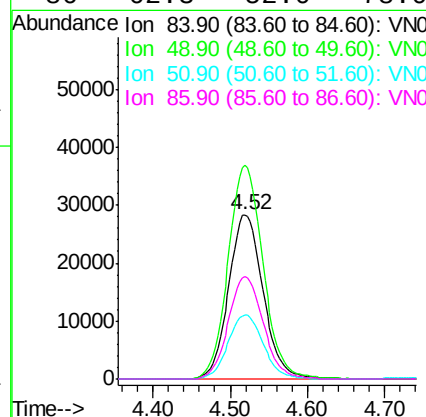
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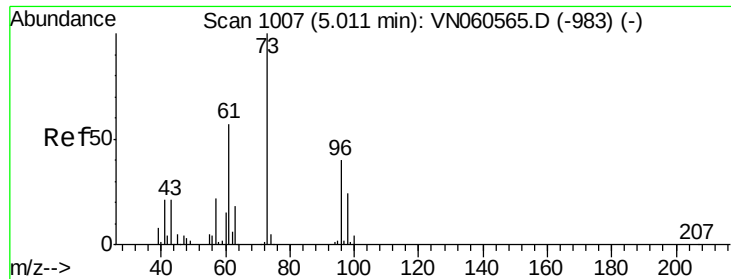
MMDadoda
4/14/2020 10:10:48 AM



#20
Methylene Chloride
Concen: 50.101 ug/l
RT: 4.52 min Scan# 854
Delta R.T. -0.00 min
Lab File: VN060910.D
Acq: 13 Apr 2020 19:37

Tgt Ion: 84 Resp: 88082
Ion Ratio Lower Upper
84 100
49 130.1 103.3 154.9
51 39.2 31.6 47.4
86 62.3 52.0 78.0





#21

trans-1,2-Dichloroethene

Concen: 46.617 ug/l

RT: 5.00 min Scan# 1005

Delta R.T. -0.01 min

Lab File: VN060910.D

Acq: 13 Apr 2020 19:37

Instrument :

MSVOA_N

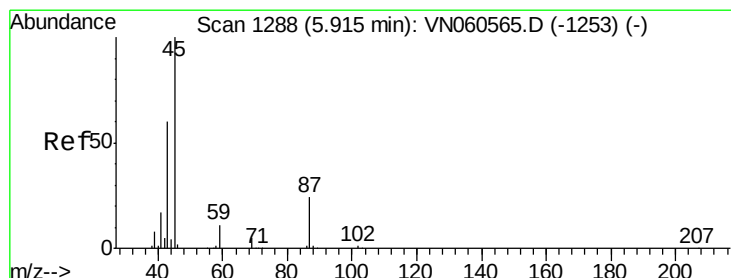
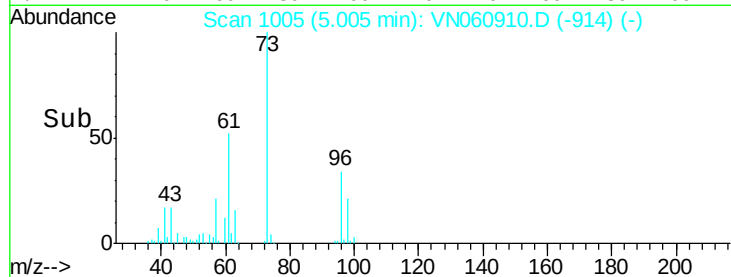
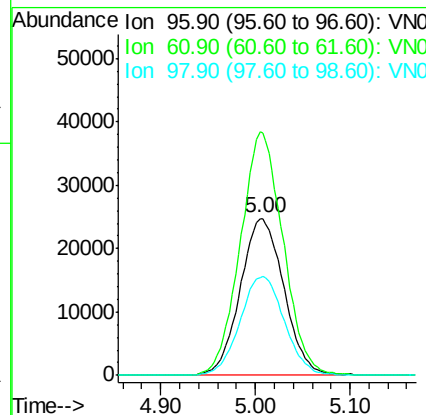
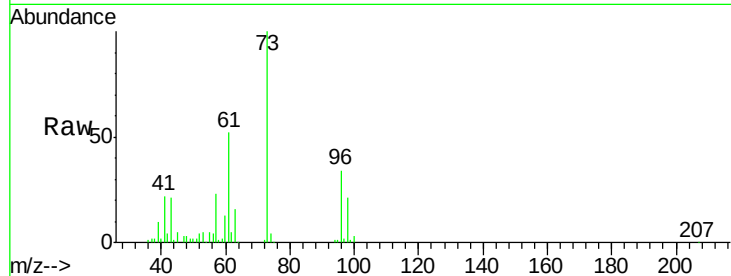
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	79060
Ion	Ratio	Lower	Upper
96	100		
61	155.4	114.4	171.6
98	62.7	48.4	72.6

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#22

Diisopropyl ether

Concen: 54.436 ug/l

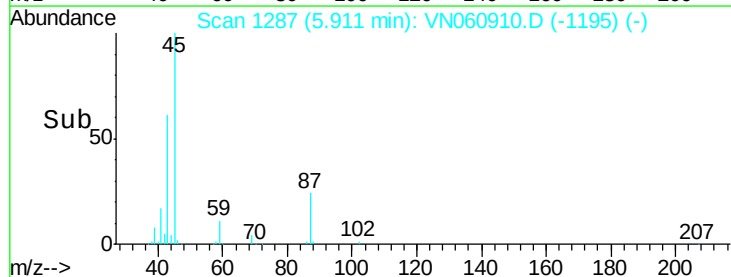
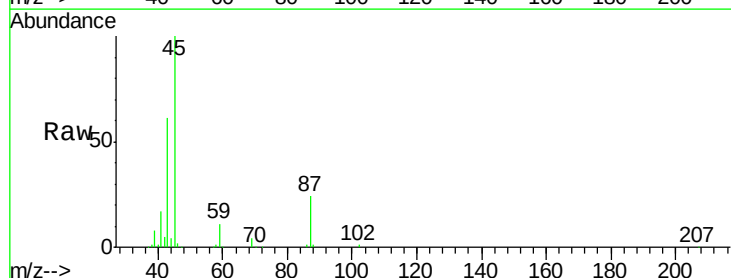
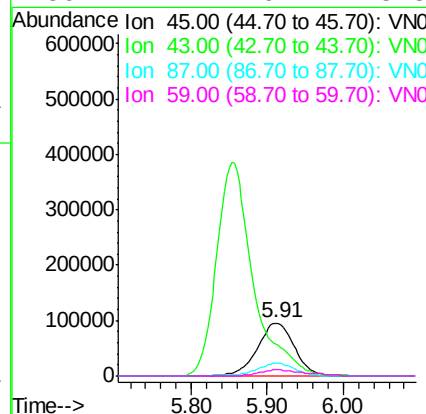
RT: 5.91 min Scan# 1287

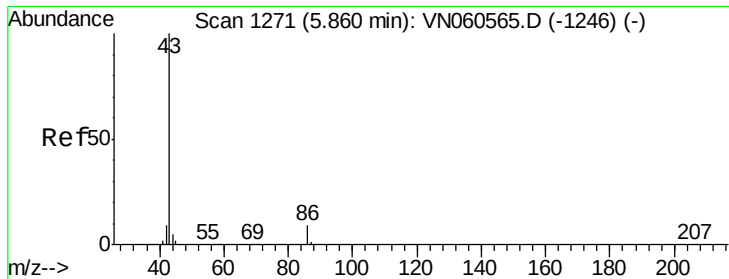
Delta R.T. -0.00 min

Lab File: VN060910.D

Acq: 13 Apr 2020 19:37

Tgt Ion:	45	Resp:	321868
Ion	Ratio	Lower	Upper
45	100		
43	59.5	49.8	74.8
87	24.5	20.1	30.1
59	11.2	9.2	13.8





#23

Vinyl Acetate

Concen: 268.313 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. -0.01 min

Lab File: VN060910.D

Acq: 13 Apr 2020 19:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1294444

Ion Ratio Lower Upper

43 100

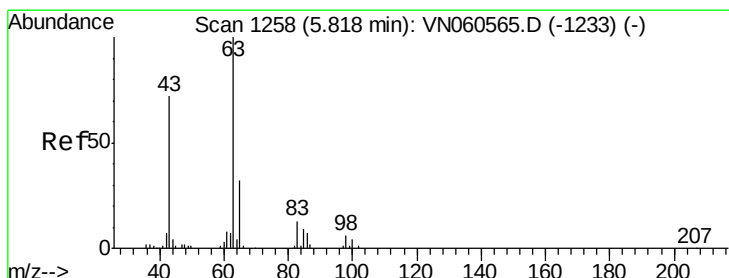
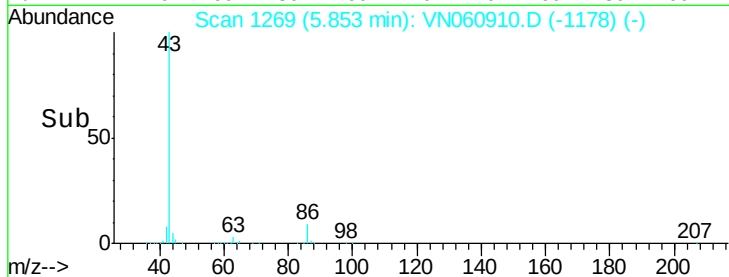
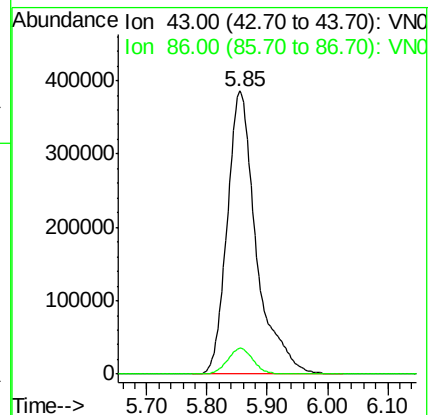
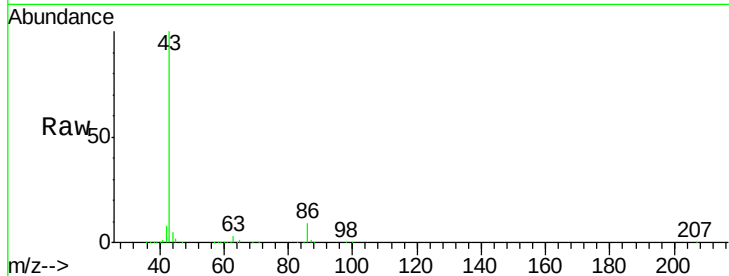
86 9.0 7.6 11.4

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 51.859 ug/l

RT: 5.81 min Scan# 1257

Delta R.T. -0.00 min

Lab File: VN060910.D

Acq: 13 Apr 2020 19:37

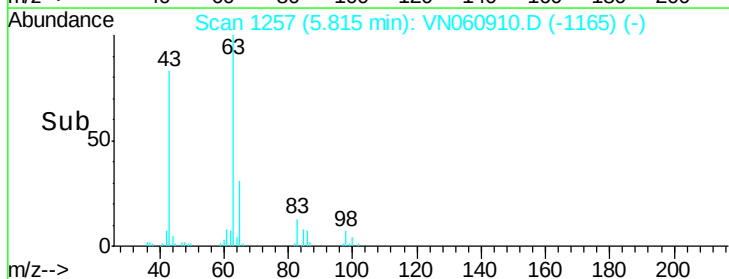
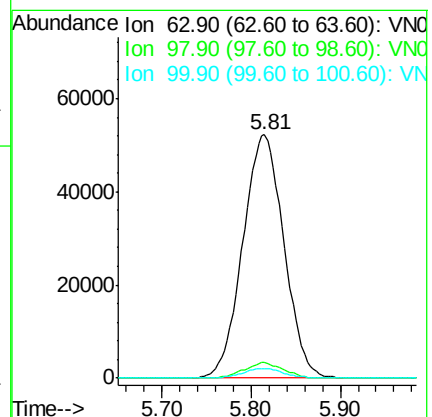
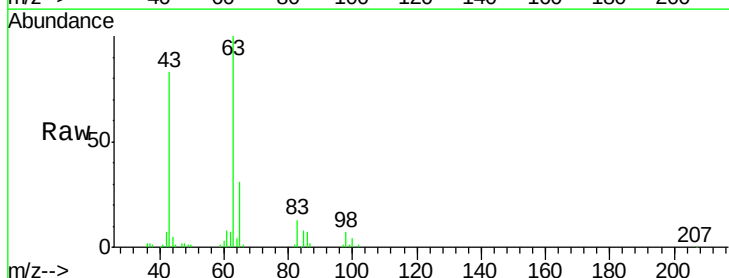
Tgt Ion: 63 Resp: 167160

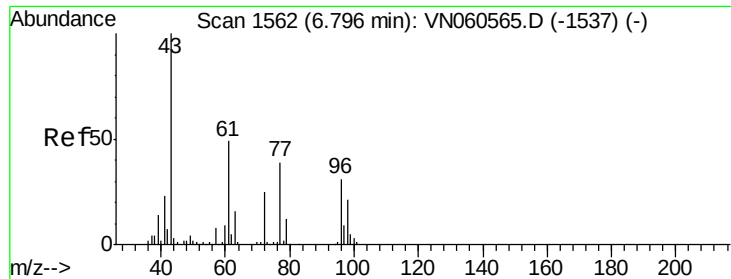
Ion Ratio Lower Upper

63 100

98 6.5 2.9 8.7

100 4.0 1.8 5.5





#25

2-Butanone

Concen: 251.947 ug/l

RT: 6.79 min Scan# 1561

Delta R.T. -0.00 min

Lab File: VN060910.D

Acq: 13 Apr 2020 19:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 291373

Ion Ratio Lower Upper

43 100

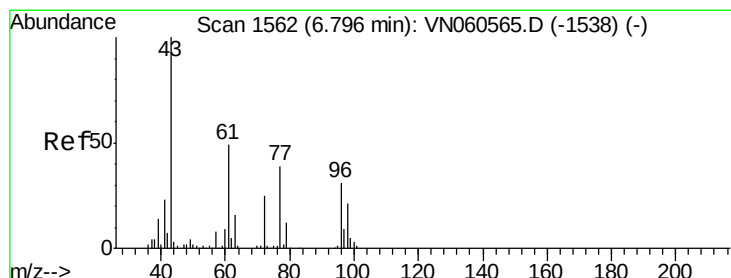
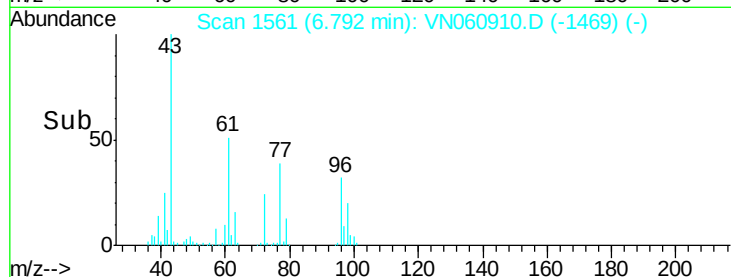
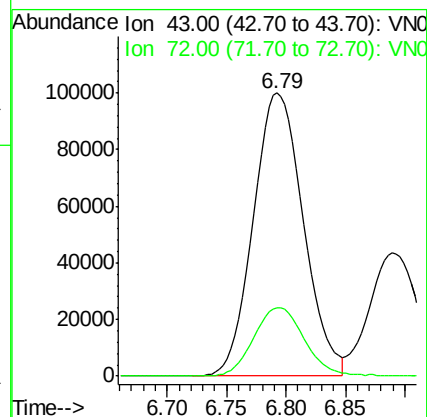
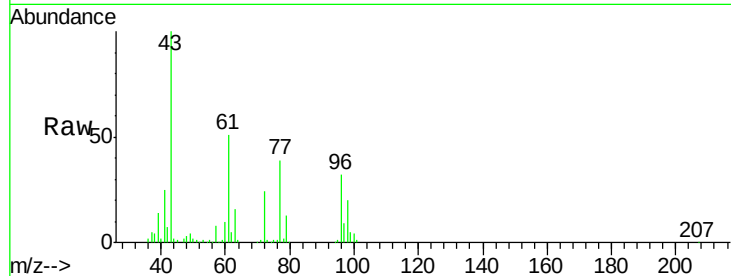
72 24.2 20.4 30.6

Manual Integrations

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MMDadoda

4/14/2020 10:10:48 AM



#26

2,2-Dichloropropane

Concen: 50.475 ug/l

RT: 6.79 min Scan# 1561

Delta R.T. -0.00 min

Lab File: VN060910.D

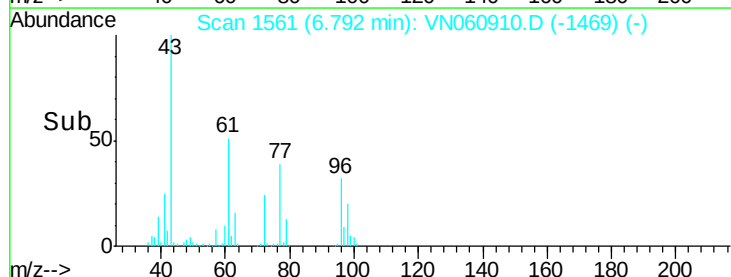
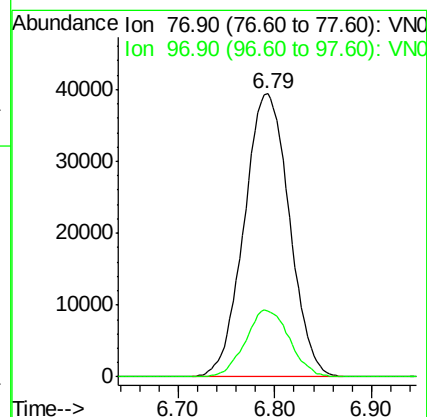
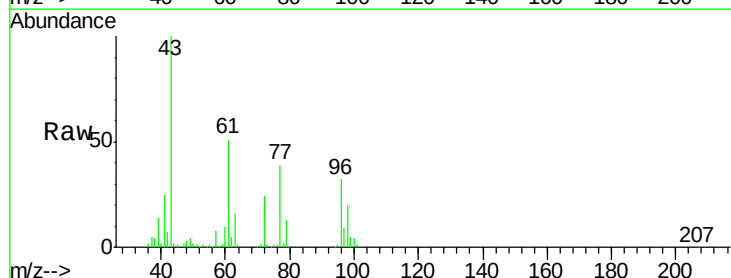
Acq: 13 Apr 2020 19:37

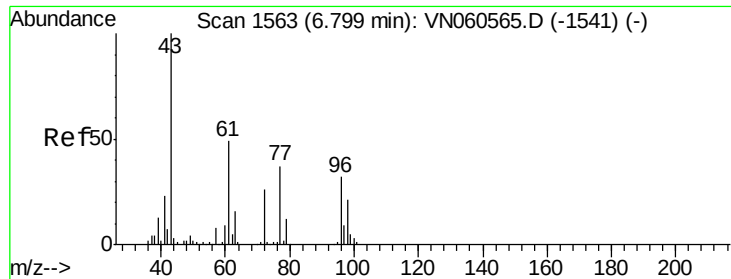
Tgt Ion: 77 Resp: 128011

Ion Ratio Lower Upper

77 100

97 23.0 11.4 34.1





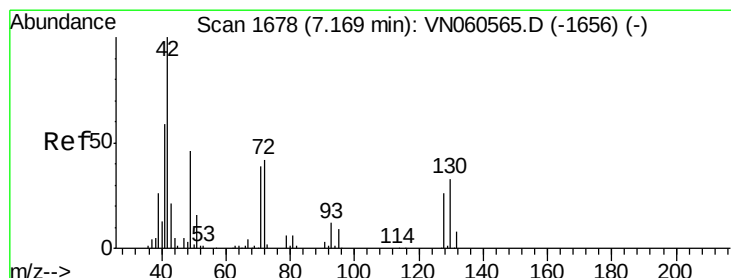
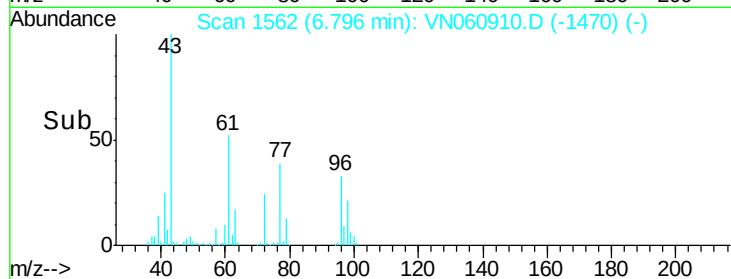
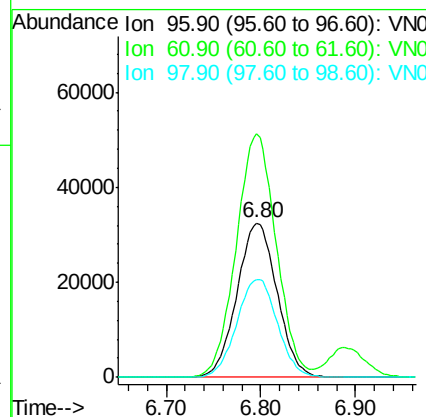
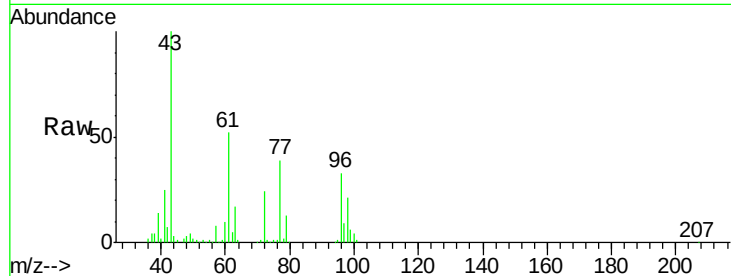
#27
 cis-1,2-Dichloroethene
 Concen: 49.596 ug/l
 RT: 6.80 min Scan# 1562
 Delta R.T. -0.00 min
 Lab File: VN060910.D
 Acq: 13 Apr 2020 19:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	157.0	0.0	305.6
98	64.6	0.0	127.6

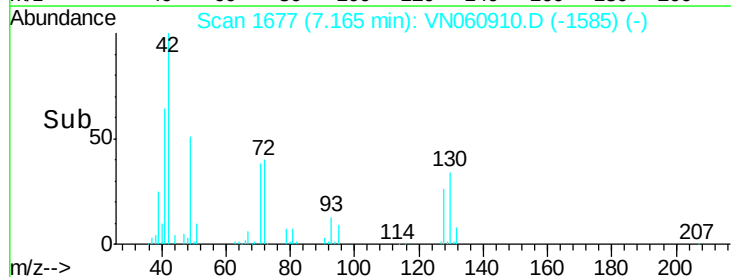
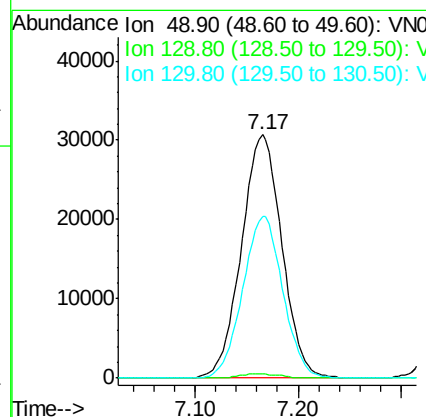
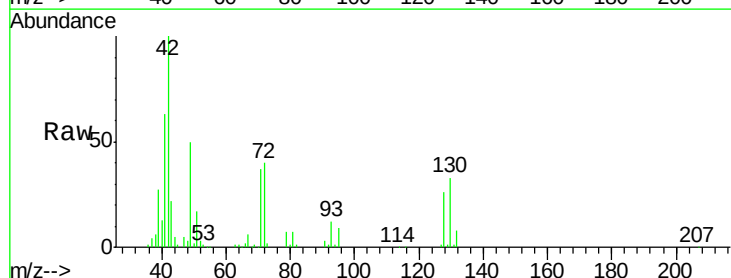
Manual Integrations
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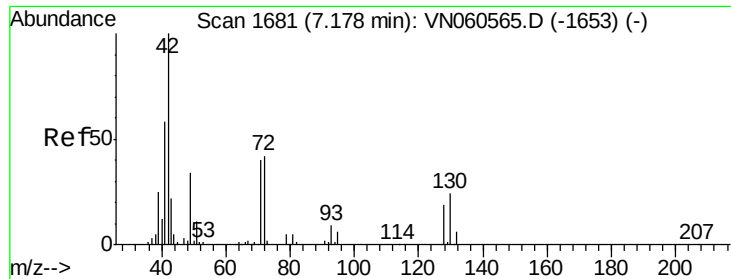
MMDadoda
 4/14/2020 10:10:48 AM



#28
 Bromochloromethane
 Concen: 54.190 ug/l
 RT: 7.17 min Scan# 1677
 Delta R.T. -0.00 min
 Lab File: VN060910.D
 Acq: 13 Apr 2020 19:37

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.6	0.0	3.4
130	65.8	55.0	82.4





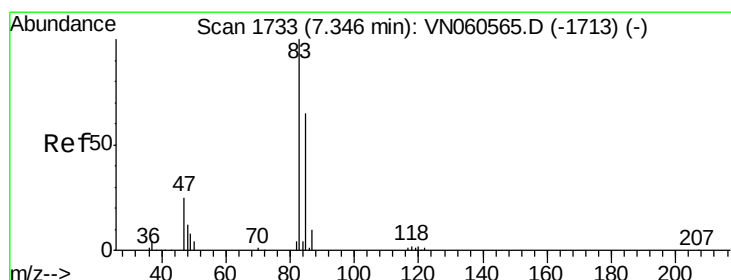
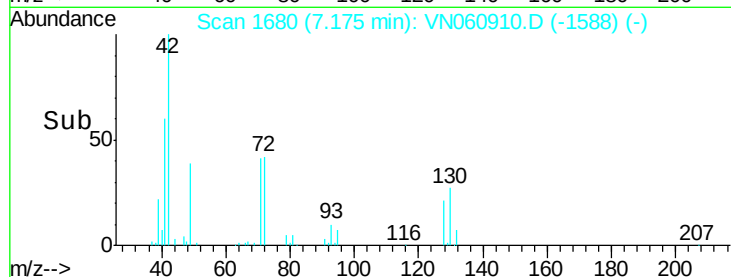
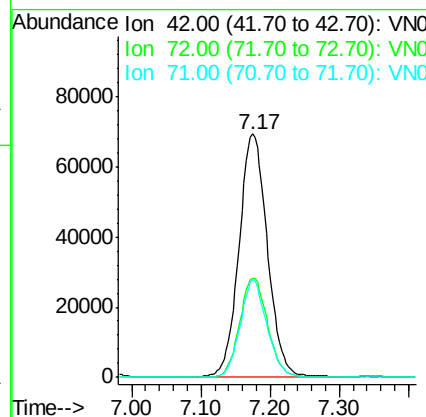
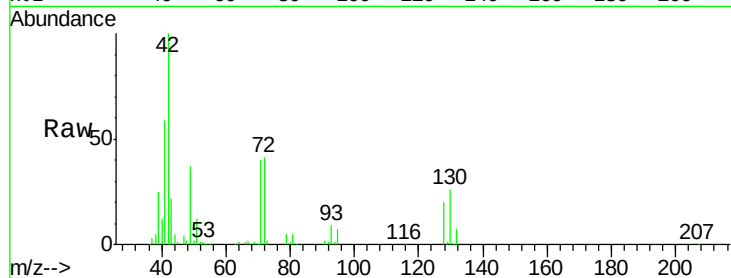
#29
Tetrahydrofuran
Concen: 243.075 ug/l
RT: 7.17 min Scan# 1680
Delta R.T. -0.00 min
Lab File: VN060910.D
Acq: 13 Apr 2020 19:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.0	33.2	49.8
71	37.4	31.1	46.7

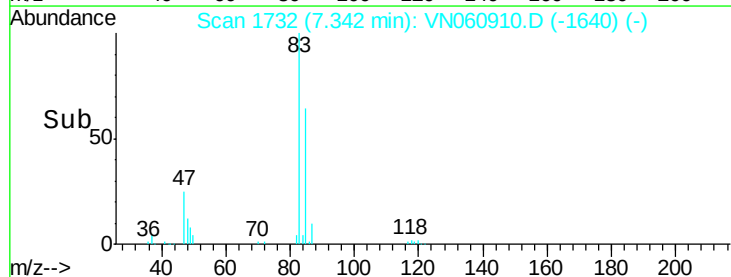
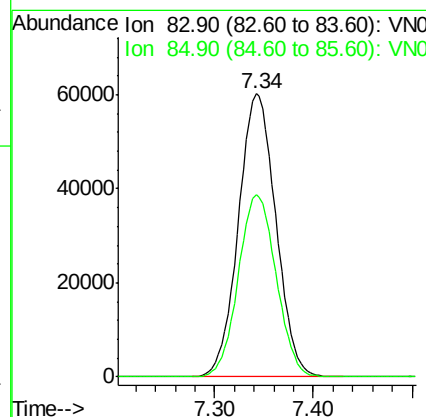
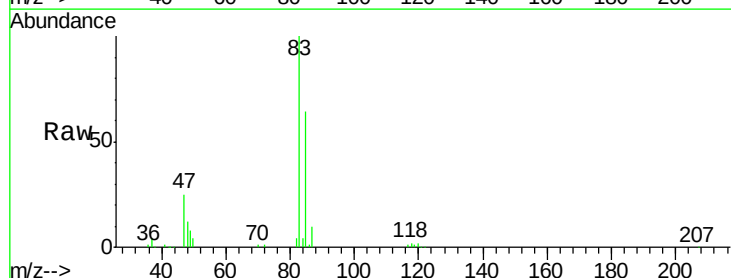
Manual Integrations
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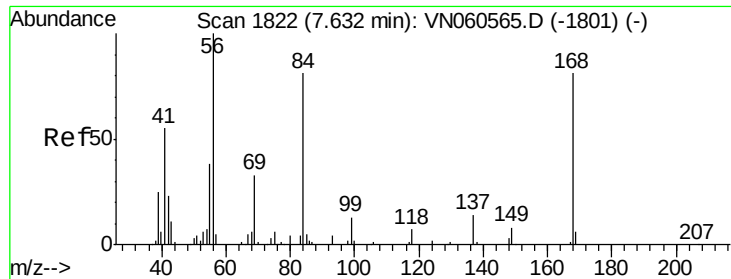
MMDadoda
4/14/2020 10:10:48 AM



#30
Chloroform
Concen: 51.225 ug/l
RT: 7.34 min Scan# 1732
Delta R.T. -0.00 min
Lab File: VN060910.D
Acq: 13 Apr 2020 19:37

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.3	51.8	77.8





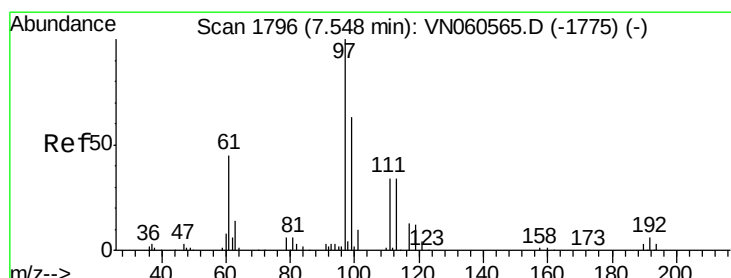
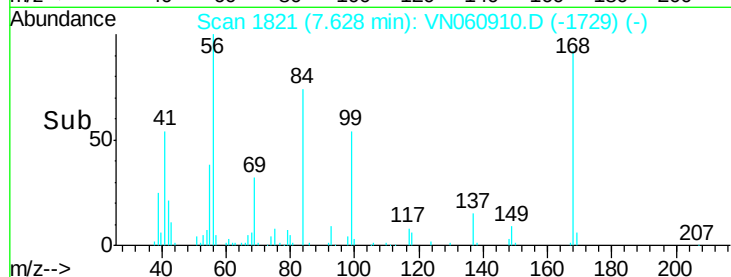
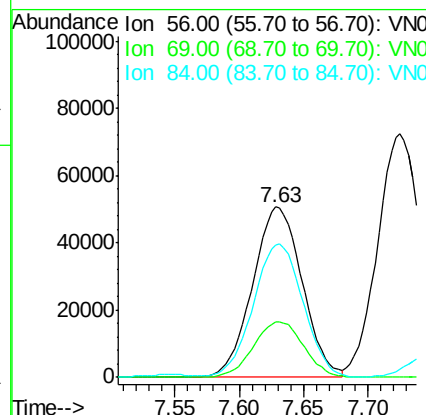
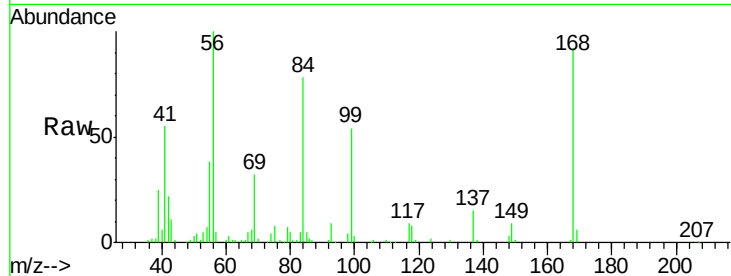
#31
Cyclohexane
Concen: 41.789 ug/l
RT: 7.63 min Scan# 1821
Delta R.T. -0.00 min
Lab File: VN060910.D
Acq: 13 Apr 2020 19:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.4	26.6	40.0
84	77.0	64.3	96.5

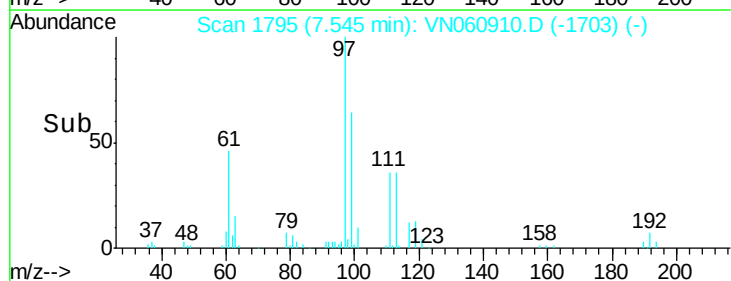
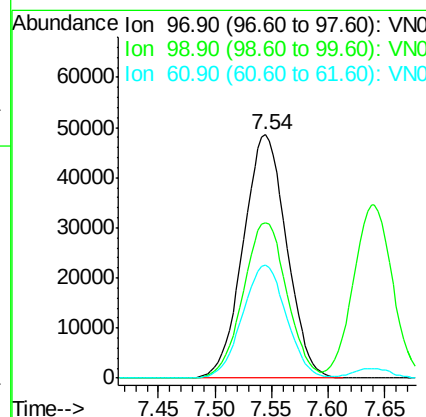
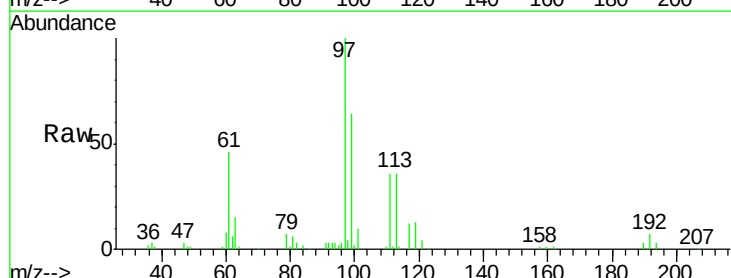
Manual Integrations
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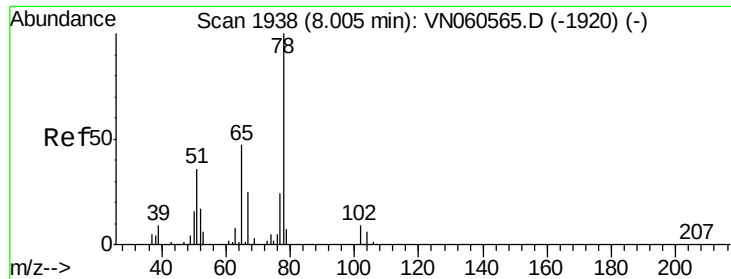
MMDadoda
4/14/2020 10:10:48 AM



#32
1,1,1-Trichloroethane
Concen: 48.611 ug/l
RT: 7.54 min Scan# 1795
Delta R.T. -0.00 min
Lab File: VN060910.D
Acq: 13 Apr 2020 19:37

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.6	50.6	75.8
61	46.9	36.2	54.4





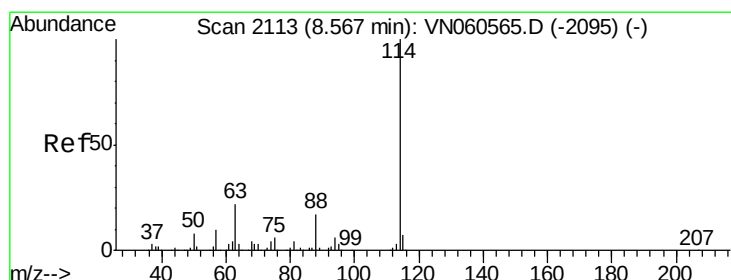
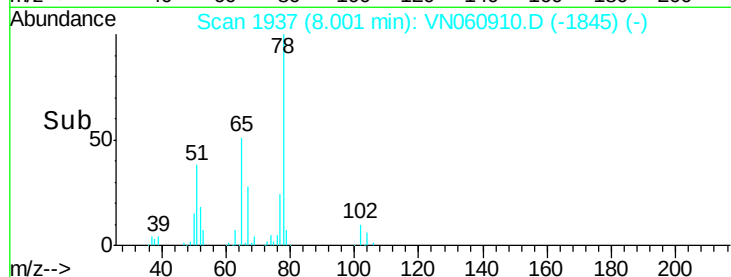
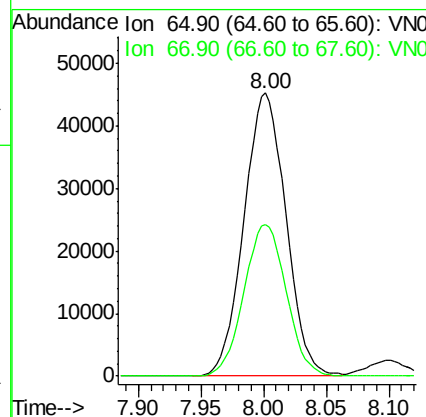
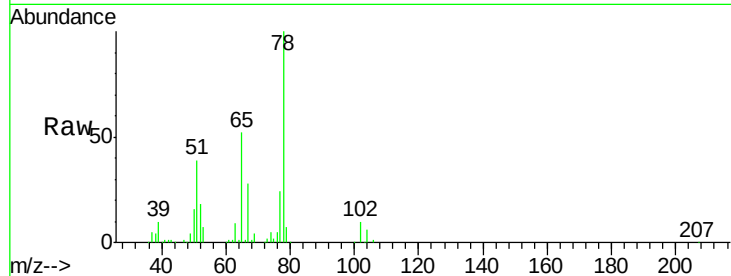
#33
 1,2-Dichloroethane-d4
 Concen: 52.320 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VN060910.D
 Acq: 13 Apr 2020 19:37

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	53.8	0.0	107.6	

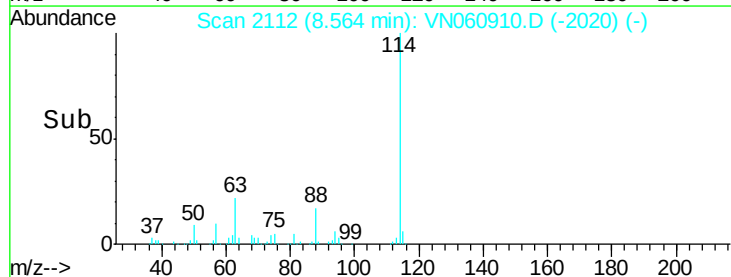
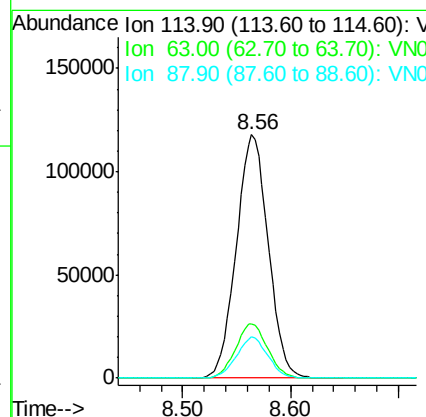
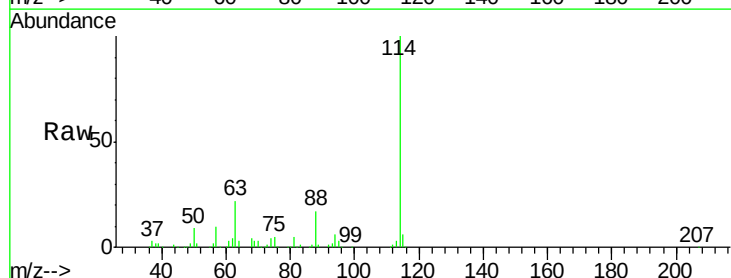
Manual Integrations
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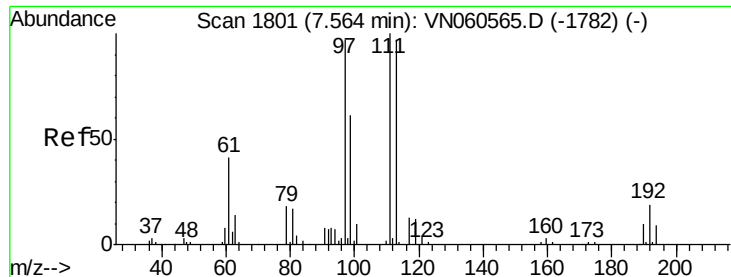
MMDadoda
 4/14/2020 10:10:48 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.56 min Scan# 2112
 Delta R.T. -0.00 min
 Lab File: VN060910.D
 Acq: 13 Apr 2020 19:37

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	22.5	0.0	43.8	
88	16.8	0.0	33.0	





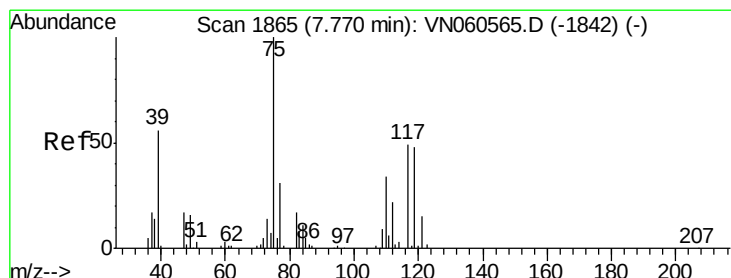
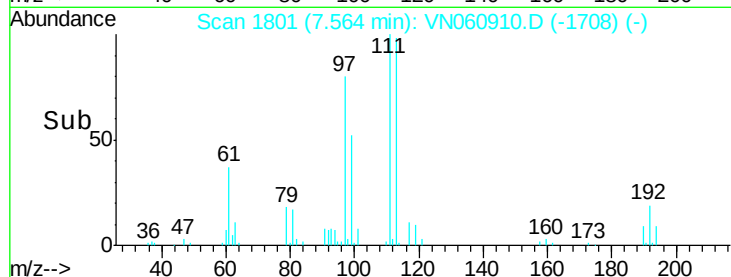
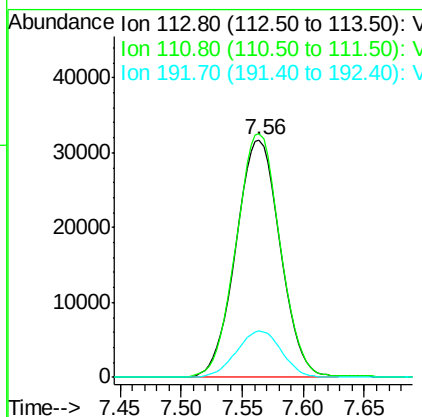
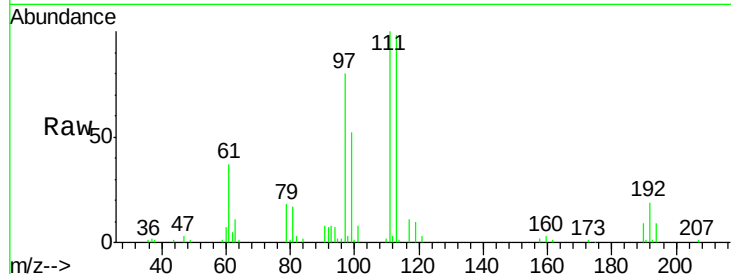
#35
 Dibromofluoromethane
 Concen: 54.320 ug/l
 RT: 7.56 min Scan# 1801
 Delta R.T. -0.00 min
 Lab File: VN060910.D
 Acq: 13 Apr 2020 19:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
113	100		
111	101.6	82.9	124.3
192	19.7	15.8	23.8

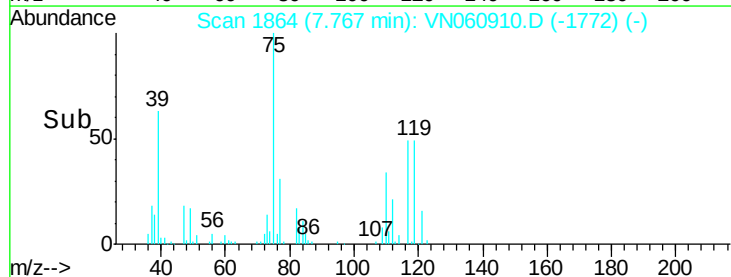
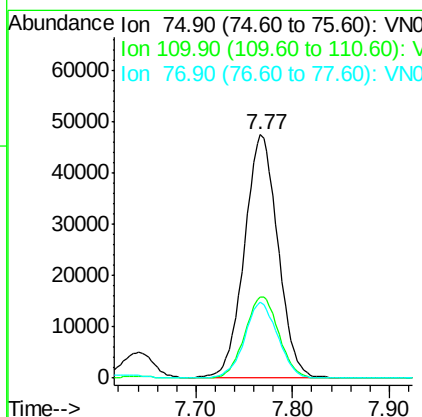
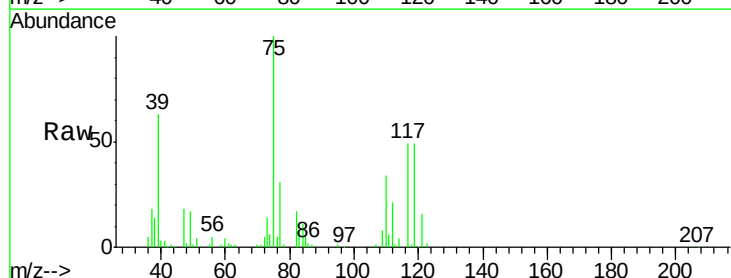
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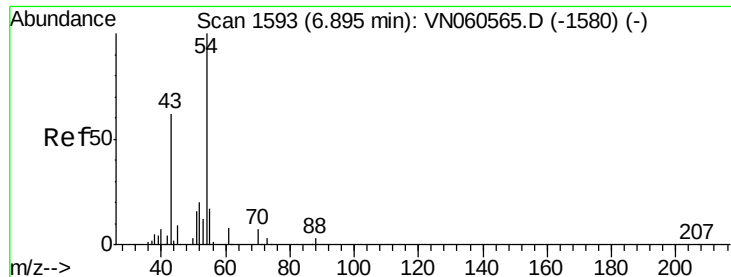
MMDadoda
 4/14/2020 10:10:48 AM



#36
 1,1-Dichloropropene
 Concen: 48.646 ug/l
 RT: 7.77 min Scan# 1864
 Delta R.T. -0.00 min
 Lab File: VN060910.D
 Acq: 13 Apr 2020 19:37

Tgt Ion	Ratio	Lower	Upper
75	100		
110	33.5	16.9	50.6
77	30.6	24.6	36.8





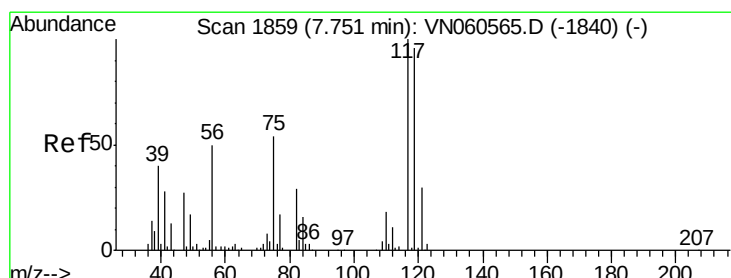
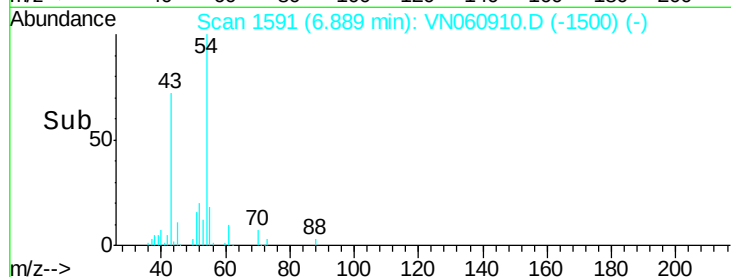
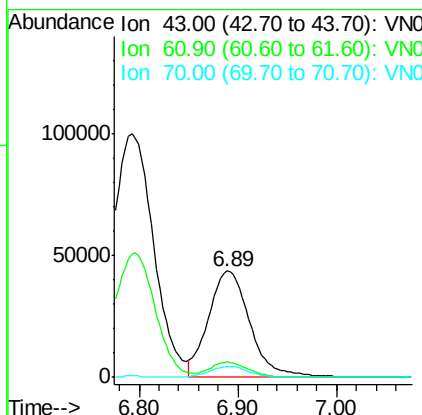
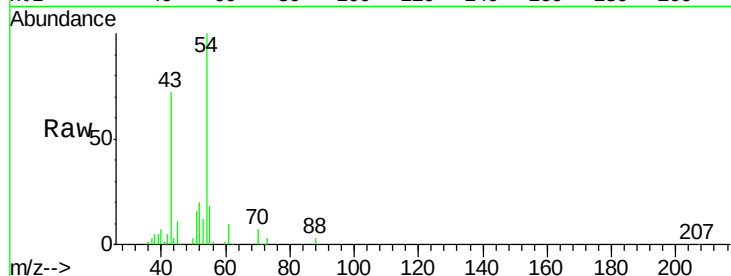
#37
Ethyl Acetate
Concen: 49.390 ug/l
RT: 6.89 min Scan# 1591
Delta R.T. -0.01 min
Lab File: VN060910.D
Acq: 13 Apr 2020 19:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.7	10.6	15.8
70	9.8	7.9	11.9

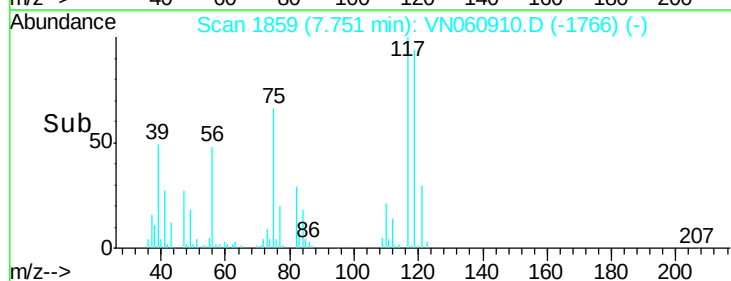
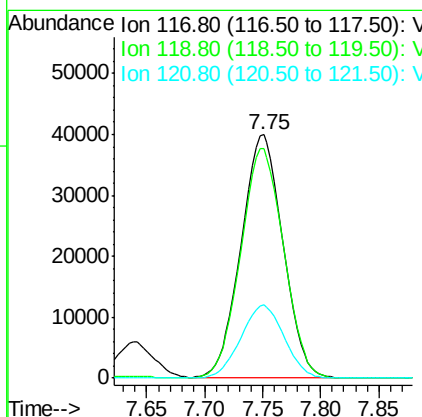
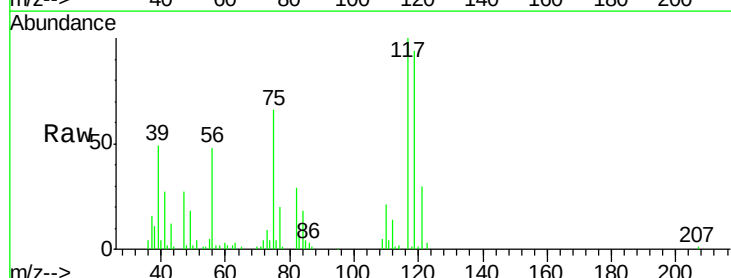
Manual Integrations
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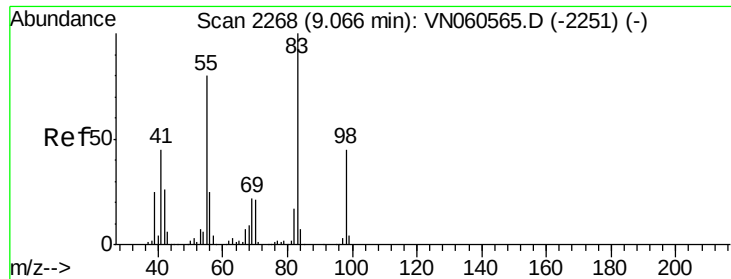
MMDadoda
4/14/2020 10:10:48 AM



#38
Carbon Tetrachloride
Concen: 47.723 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. -0.00 min
Lab File: VN060910.D
Acq: 13 Apr 2020 19:37

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.2	76.2	114.2
121	30.0	23.7	35.5





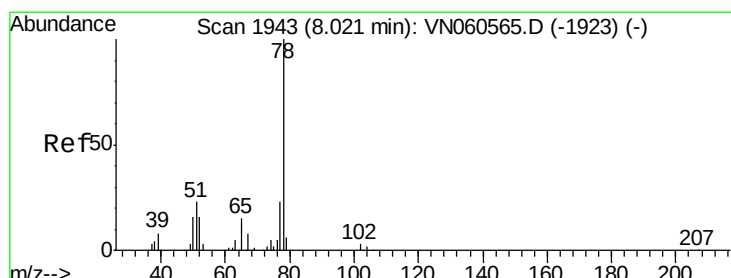
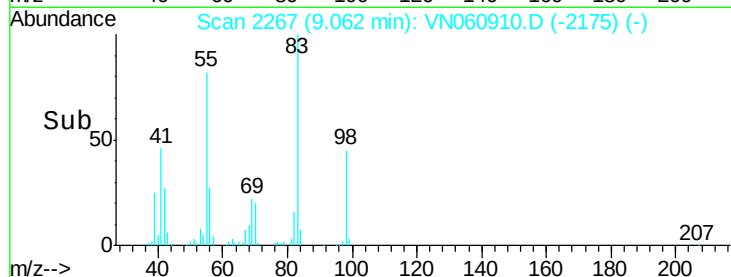
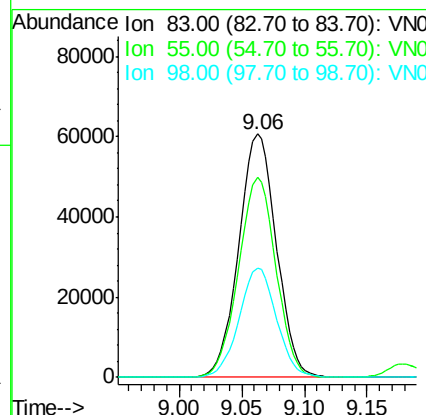
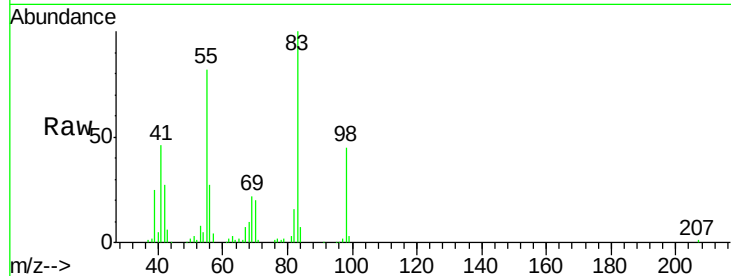
#39
Methylvlcyclohexane
Concen: 45.106 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. -0.00 min
Lab File: VN060910.D
Acq: 13 Apr 2020 19:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	82.0	63.6	95.4	
98	45.0	36.0	54.0	

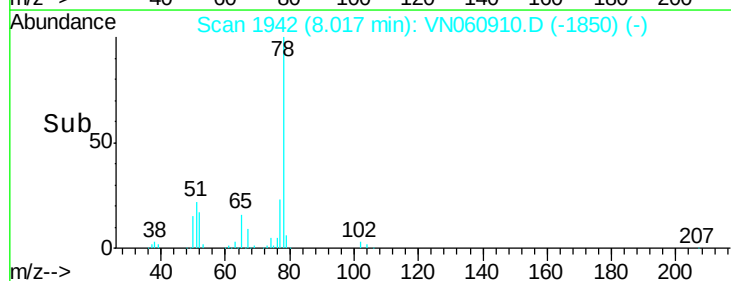
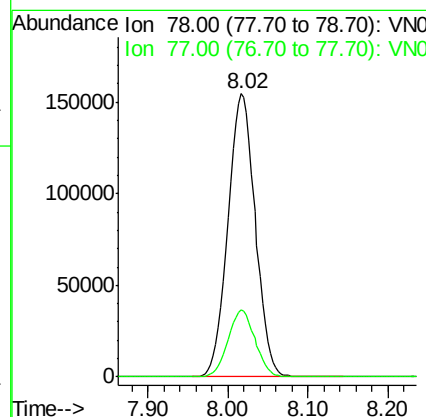
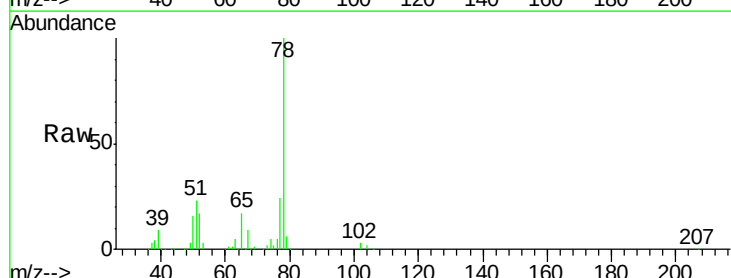
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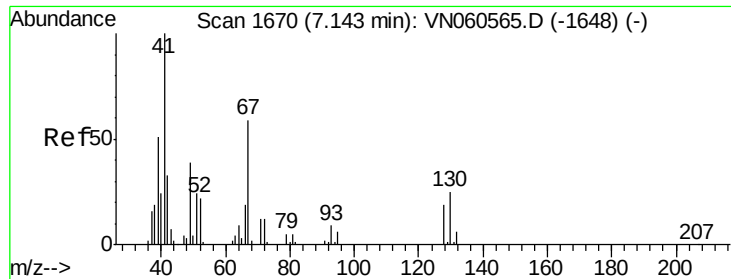
MMDadoda
4/14/2020 10:10:48 AM



#40
Benzene
Concen: 50.697 ug/l
RT: 8.02 min Scan# 1942
Delta R.T. -0.00 min
Lab File: VN060910.D
Acq: 13 Apr 2020 19:37

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	23.5	18.6	28.0	





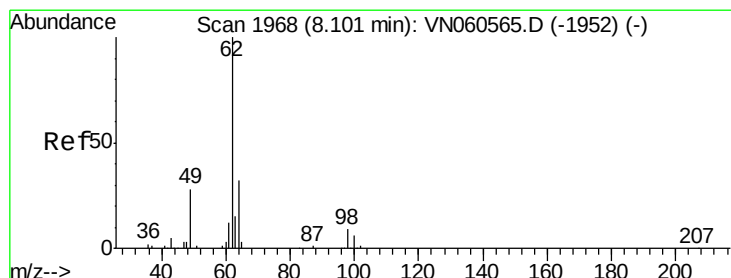
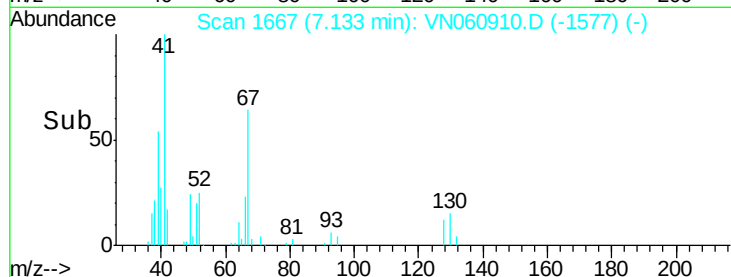
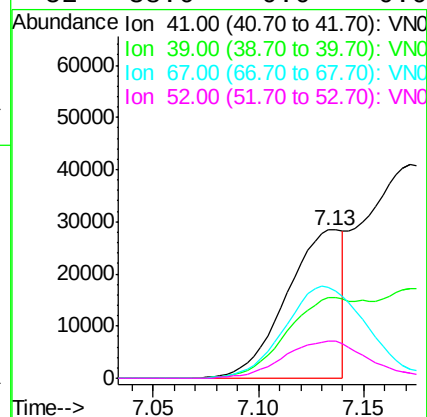
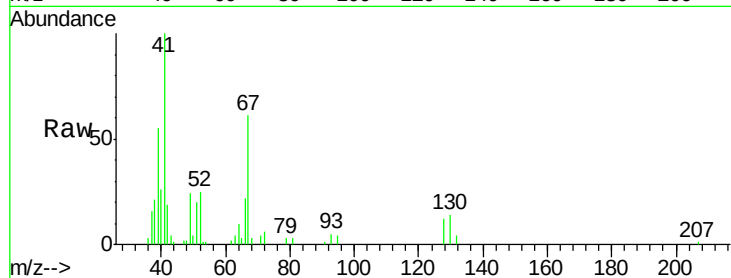
#41
Methacrylonitrile
Concen: 48.271 ug/l
RT: 7.13 min Scan# 1667
Delta R.T. -0.01 min
Lab File: VN060910.D
Acq: 13 Apr 2020 19:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100				
39	64.9	0.0	0.0#		
67	92.4	0.0	0.0#		
52	38.6	0.0	0.0#		

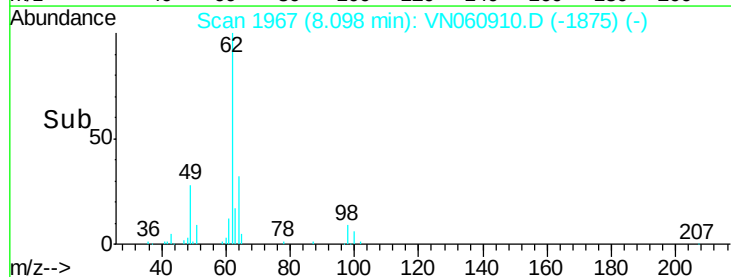
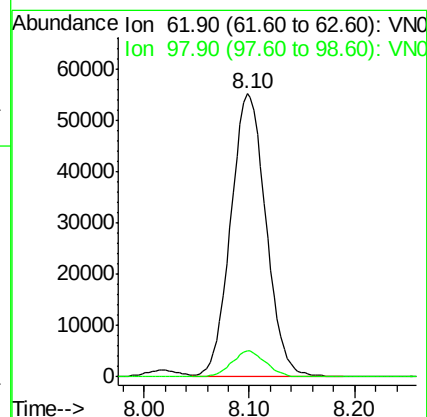
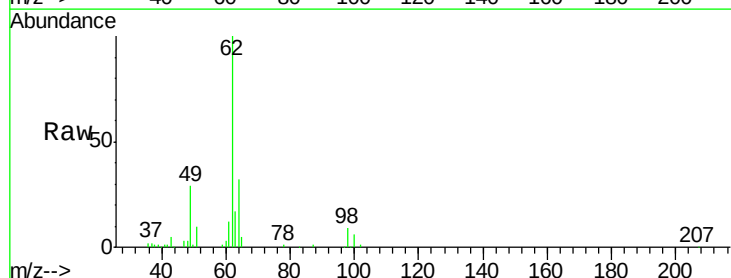
Manual Integrations
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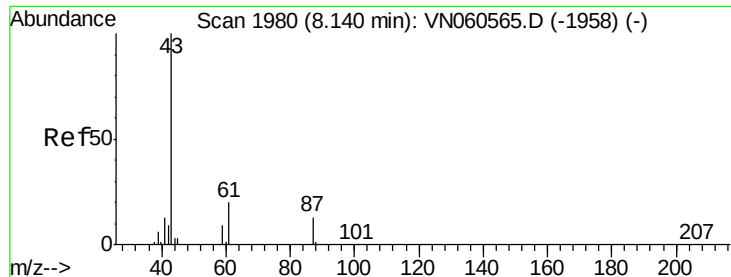
MMDadoda
4/14/2020 10:10:48 AM



#42
1,2-Dichloroethane
Concen: 52.538 ug/l
RT: 8.10 min Scan# 1967
Delta R.T. -0.00 min
Lab File: VN060910.D
Acq: 13 Apr 2020 19:37

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100				
98	8.8	0.0	17.8		





#43

Isopropyl Acetate

Concen: 52.245 ug/l

RT: 8.14 min Scan# 1979

Delta R.T. -0.00 min

Lab File: VN060910.D

Acq: 13 Apr 2020 19:37

Instrument :

MSVOA_N

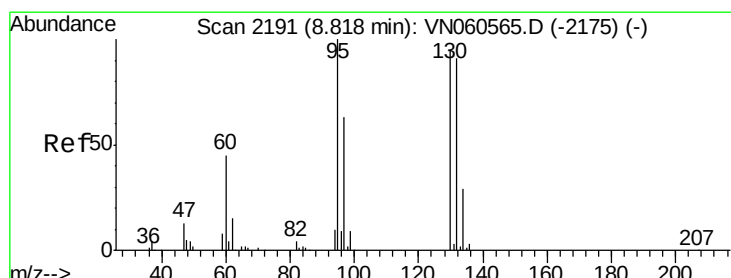
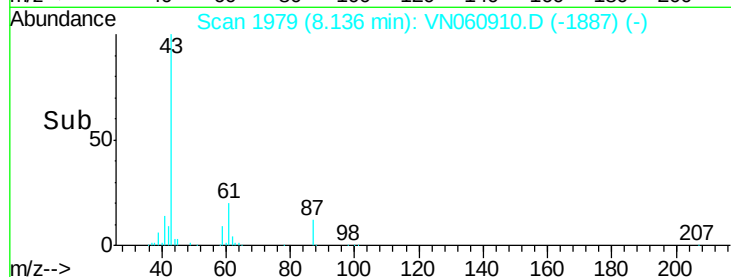
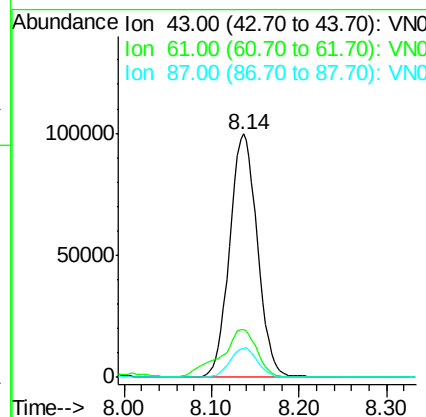
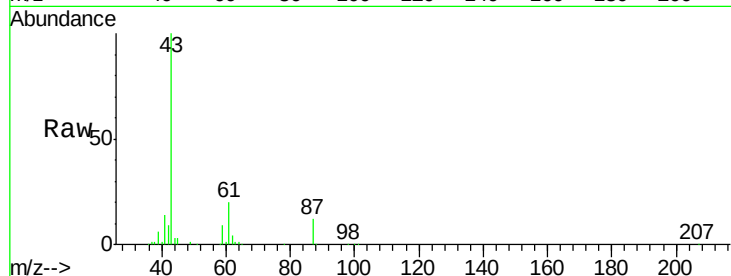
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	219477
Ion	Ratio	Lower	Upper
43	100		
61	25.8	20.7	31.1
87	12.0	9.8	14.8

Manual Integrations
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4/14/2020 10:10:48 AM



#44

Trichloroethene

Concen: 49.197 ug/l

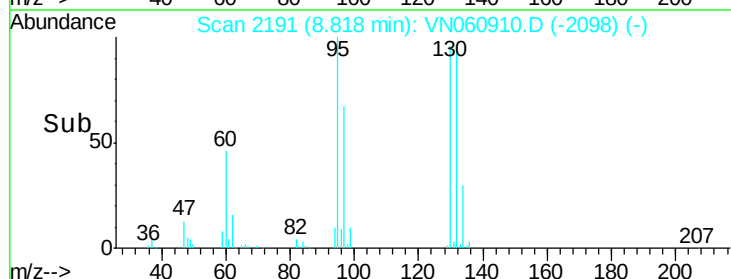
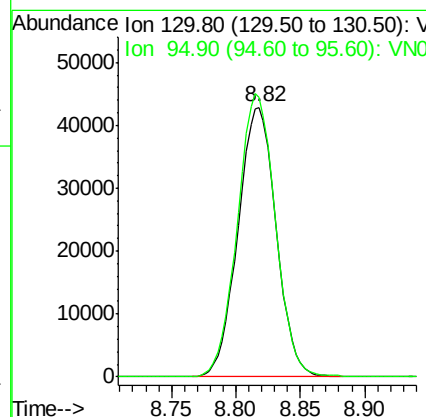
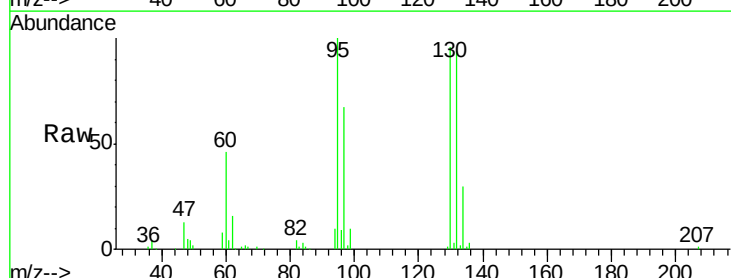
RT: 8.82 min Scan# 2191

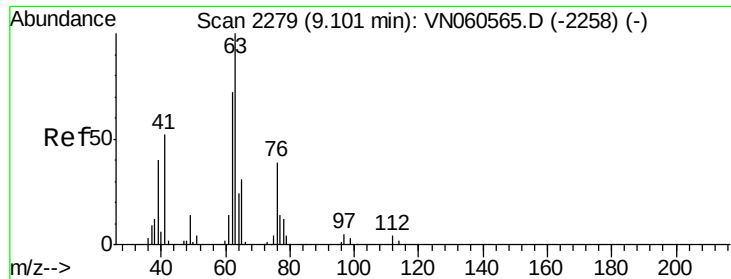
Delta R.T. -0.00 min

Lab File: VN060910.D

Acq: 13 Apr 2020 19:37

Tgt Ion:	130	Resp:	88259
Ion	Ratio	Lower	Upper
130	100		
95	103.7	0.0	211.2





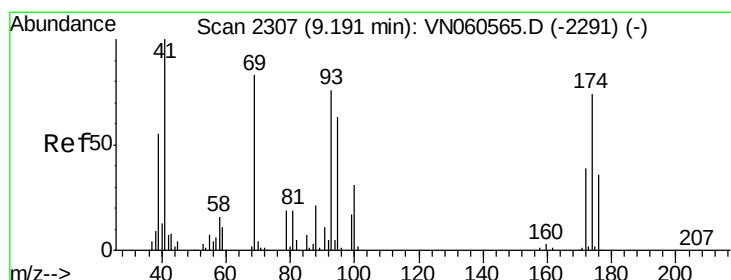
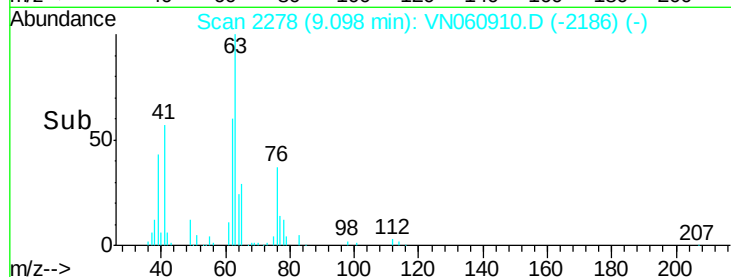
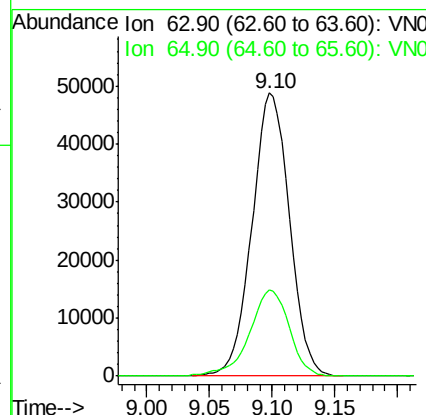
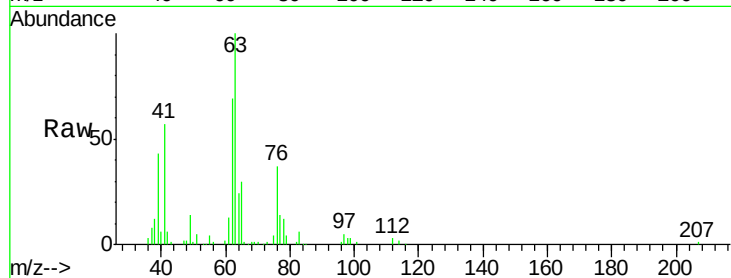
#45
 1,2-Dichloropropane
 Concen: 54.022 ug/l
 RT: 9.10 min Scan# 2278
 Delta R.T. -0.00 min
 Lab File: VN060910.D
 Acq: 13 Apr 2020 19:37

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion: 63 Resp: 101444
 Ion Ratio Lower Upper
 63 100
 65 30.4 25.4 38.0

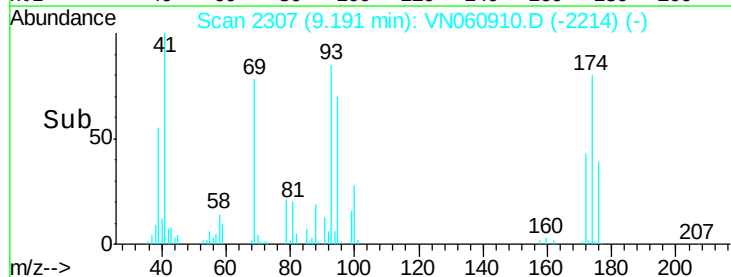
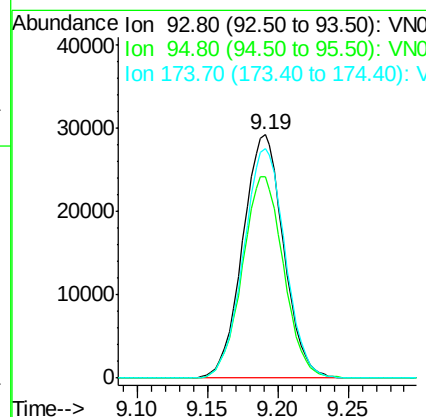
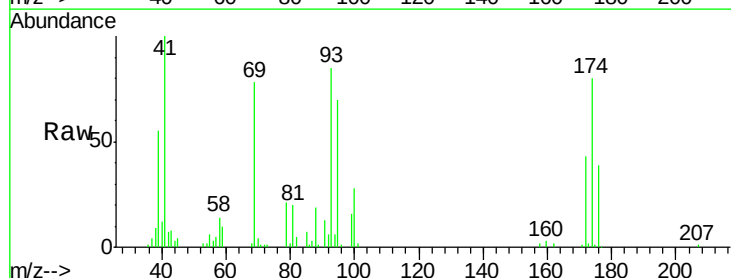
Manual Integrations
 APPROVED

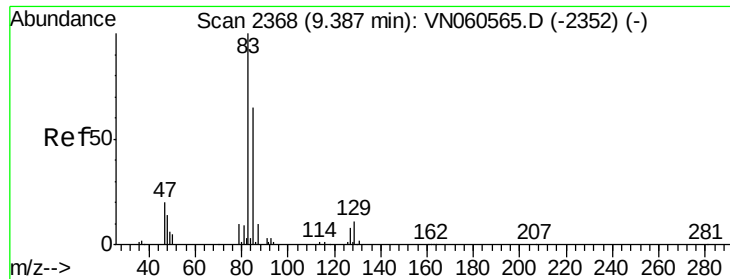
MMDadoda
 4/14/2020 10:10:48 AM



#46
 Dibromomethane
 Concen: 52.359 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. -0.00 min
 Lab File: VN060910.D
 Acq: 13 Apr 2020 19:37

Tgt Ion: 93 Resp: 59441
 Ion Ratio Lower Upper
 93 100
 95 83.3 66.2 99.4
 174 95.5 77.9 116.9





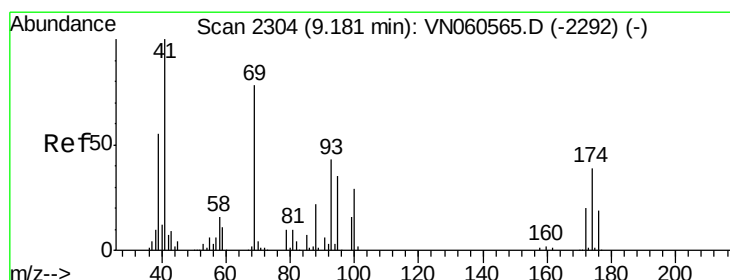
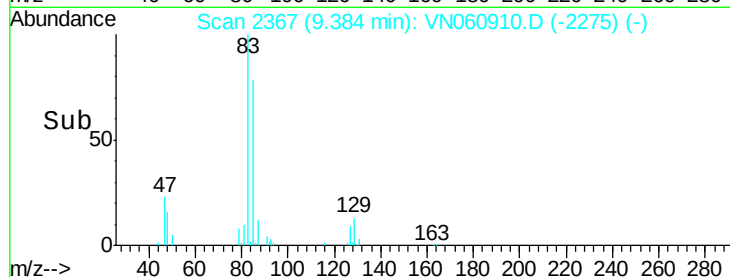
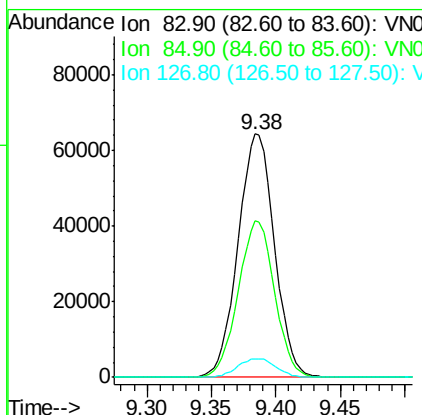
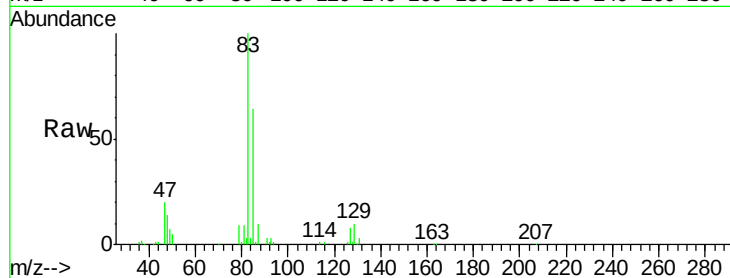
#47
Bromodichloromethane
Concen: 53.635 ug/l
RT: 9.38 min Scan# 2367
Delta R.T. -0.00 min
Lab File: VN060910.D
Acq: 13 Apr 2020 19:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
85	64.2	51.8	77.6
127	7.7	6.5	9.7

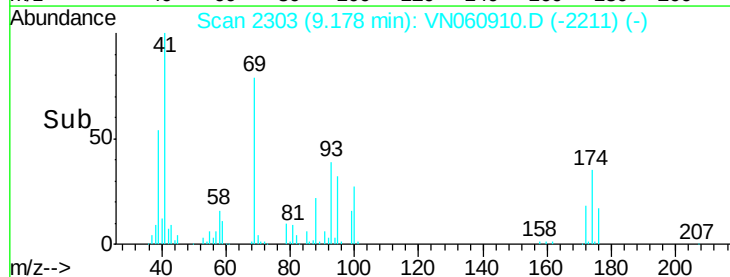
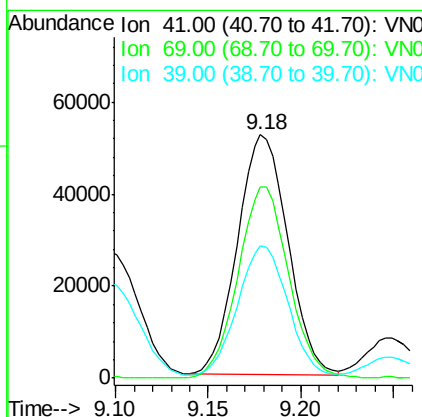
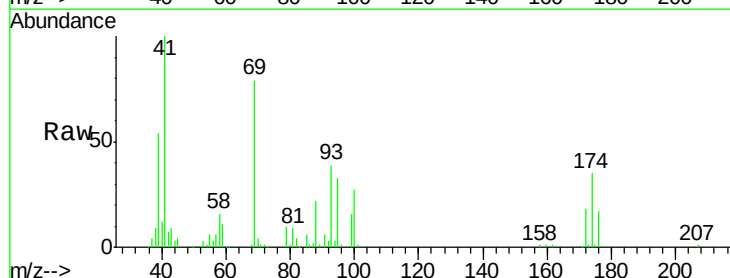
Manual Integrations
APPROVED

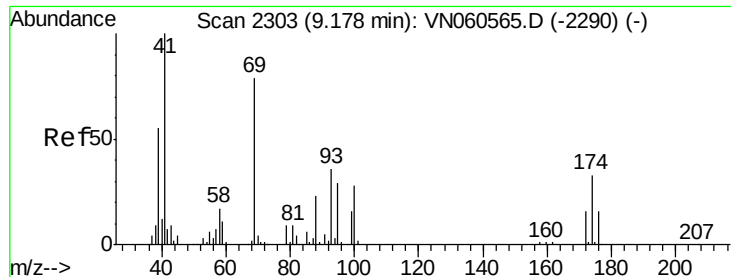
MMDadoda
4/14/2020 10:10:48 AM



#48
Methyl methacrylate
Concen: 52.567 ug/l
RT: 9.18 min Scan# 2303
Delta R.T. -0.00 min
Lab File: VN060910.D
Acq: 13 Apr 2020 19:37

Tgt Ion	Ratio	Lower	Upper
41	100		
69	80.2	65.4	98.0
39	56.3	44.0	66.0





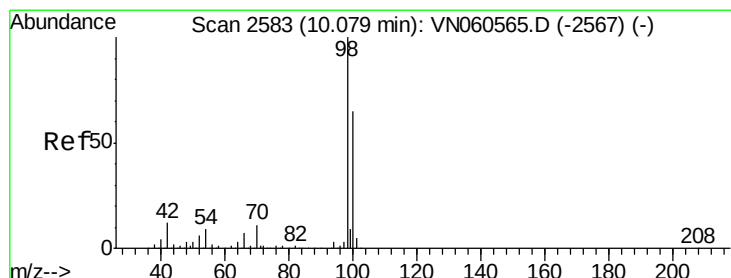
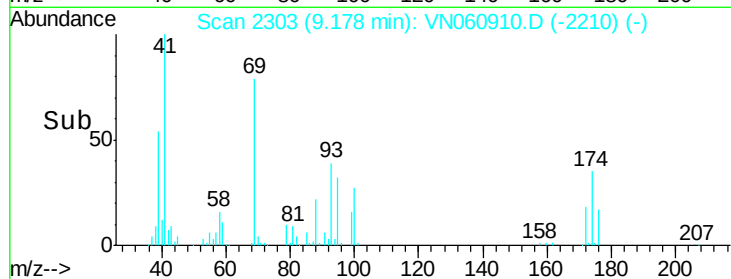
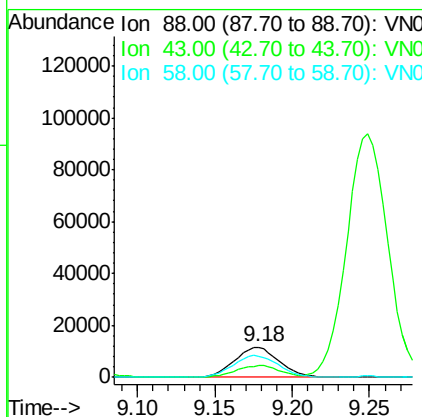
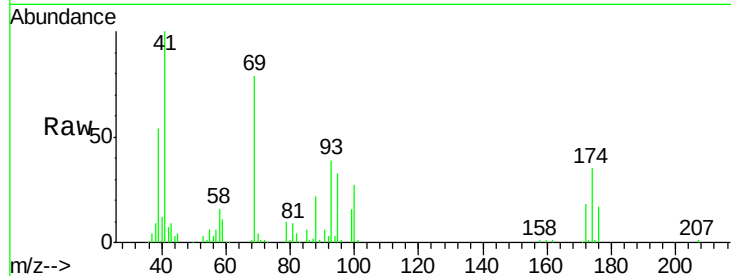
#49
1,4-Dioxane
Concen: 1035.415 ug/l
RT: 9.18 min Scan# 2303
Delta R.T. -0.00 min
Lab File: VN060910.D
Acq: 13 Apr 2020 19:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	39.6	30.8	46.2
58	75.9	59.8	89.8

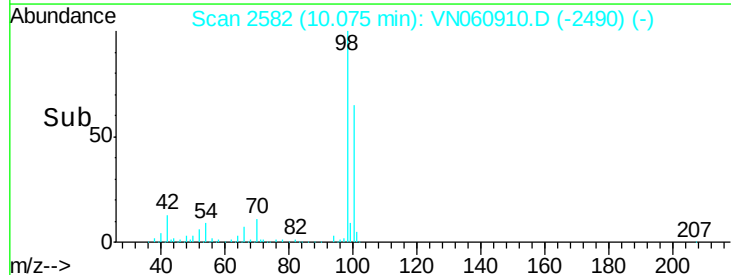
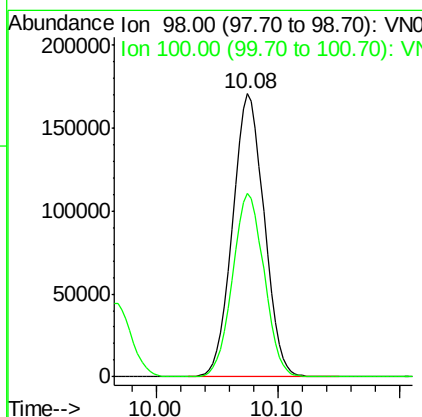
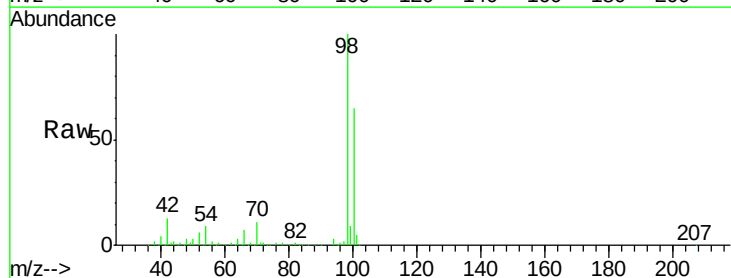
Manual Integrations
APPROVED

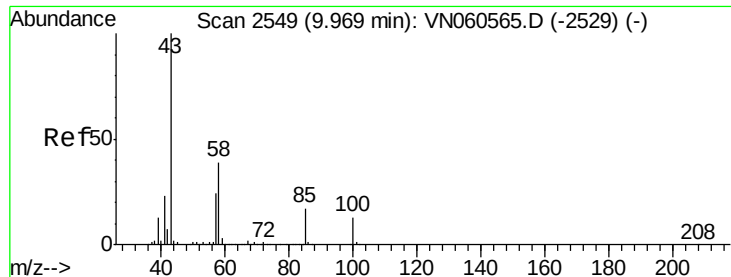
MMDadoda
4/14/2020 10:10:48 AM



#50
Toluene-d8
Concen: 50.908 ug/l
RT: 10.08 min Scan# 2582
Delta R.T. -0.00 min
Lab File: VN060910.D
Acq: 13 Apr 2020 19:37

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.9	51.8	77.8





#51

4-Methyl-2-Pentanone

Concen: 262.899 ug/l

RT: 9.97 min Scan# 2548

Delta R.T. -0.00 min

Lab File: VN060910.D

Acq: 13 Apr 2020 19:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 628465

Ion Ratio Lower Upper

43 100

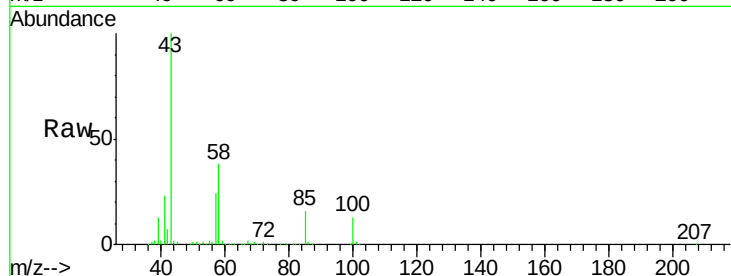
58 38.1 30.8 46.2

Manual Integrations

APPROVED

MMDadoda

4/14/2020 10:10:48 AM



Abundance Ion 43.00 (42.70 to 43.70): VN060910.D (-2456) (-)

Ion 58.00 (57.70 to 58.70): VN060910.D (-2456) (-)

9.97

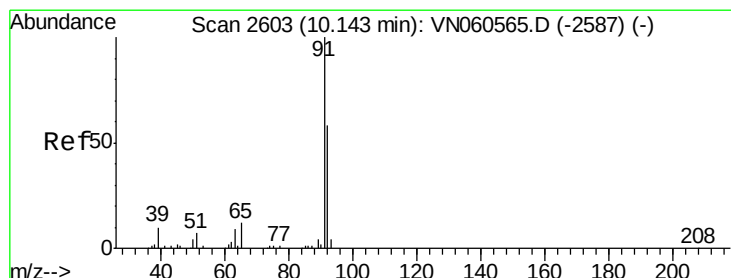
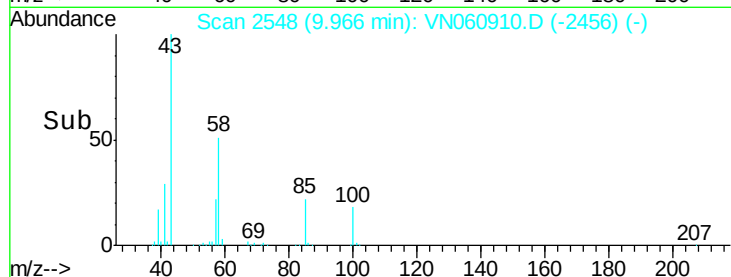
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 49.967 ug/l

RT: 10.14 min Scan# 2602

Delta R.T. -0.00 min

Lab File: VN060910.D

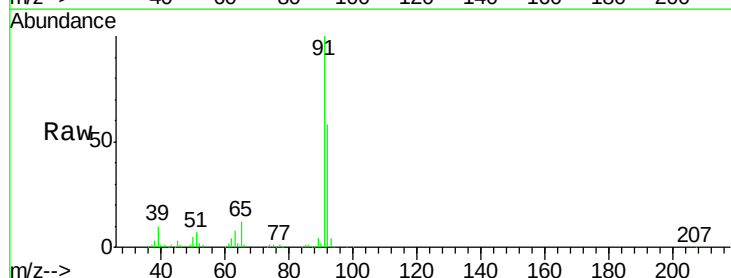
Acq: 13 Apr 2020 19:37

Tgt Ion: 92 Resp: 214754

Ion Ratio Lower Upper

92 100

91 172.9 137.6 206.4



Abundance Ion 92.00 (91.70 to 92.70): VN060910.D (-2510) (-)

Ion 91.00 (90.70 to 91.70): VN060910.D (-2510) (-)

10.14

200000

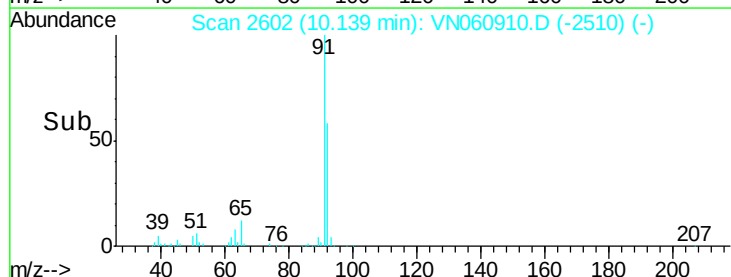
150000

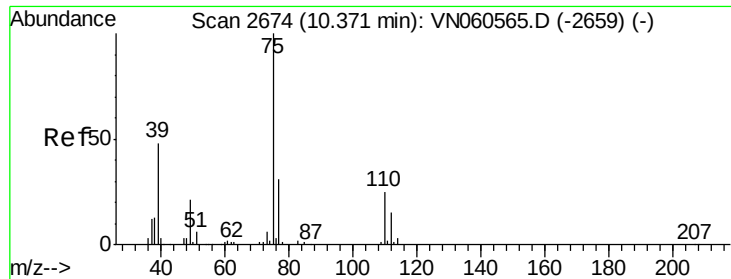
100000

50000

0

Time-->





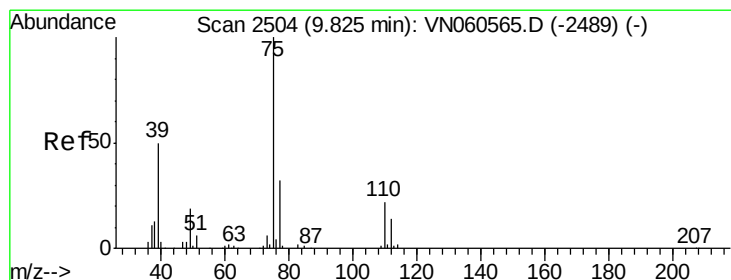
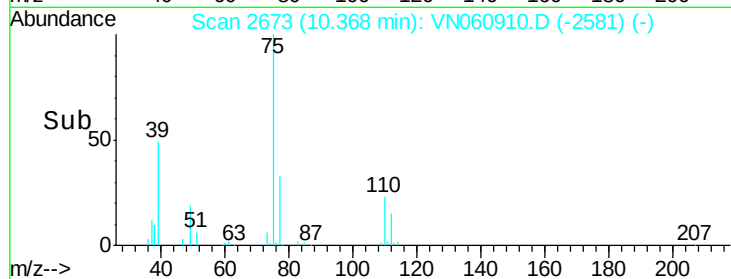
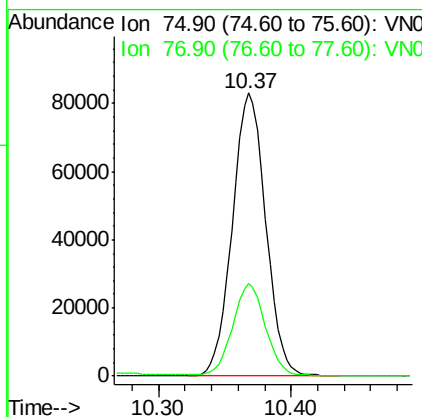
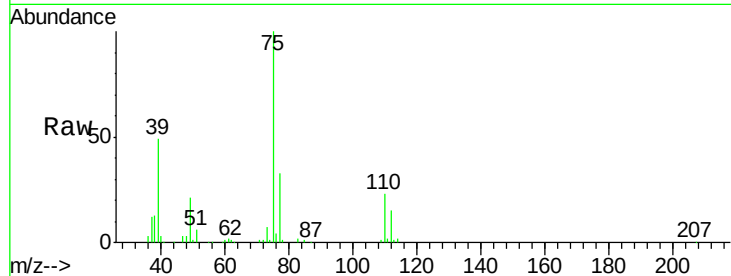
#53
 t-1,3-Dichloropropene
 Concen: 53.552 ug/l
 RT: 10.37 min Scan# 2673
 Delta R.T. -0.00 min
 Lab File: VN060910.D
 Acq: 13 Apr 2020 19:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 75 Resp: 145116
 Ion Ratio Lower Upper
 75 100
 77 32.3 25.1 37.7

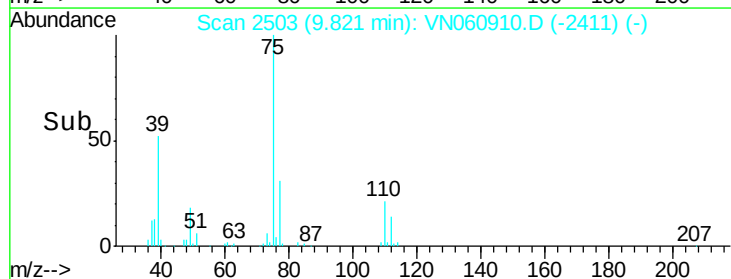
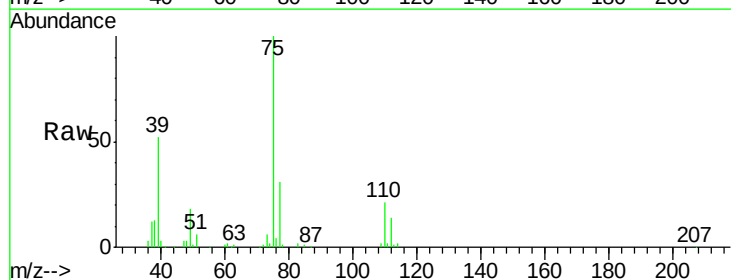
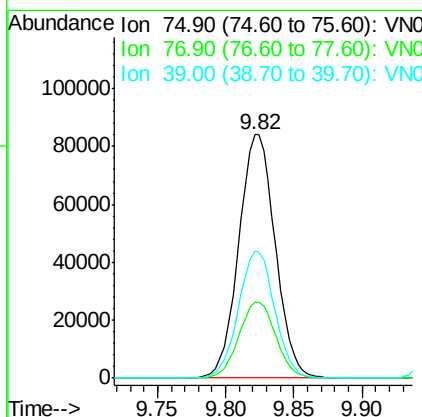
Manual Integrations
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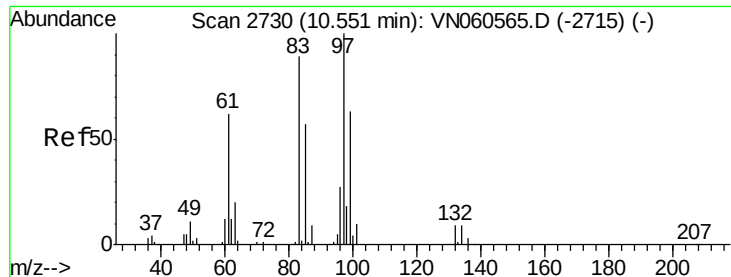
MMDadoda
 4/14/2020 10:10:48 AM



#54
 cis-1,3-Dichloropropene
 Concen: 52.597 ug/l
 RT: 9.82 min Scan# 2503
 Delta R.T. -0.00 min
 Lab File: VN060910.D
 Acq: 13 Apr 2020 19:37

Tgt Ion: 75 Resp: 156360
 Ion Ratio Lower Upper
 75 100
 77 31.1 25.4 38.0
 39 52.0 40.2 60.4





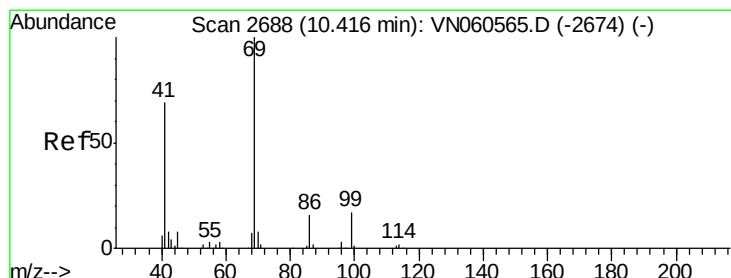
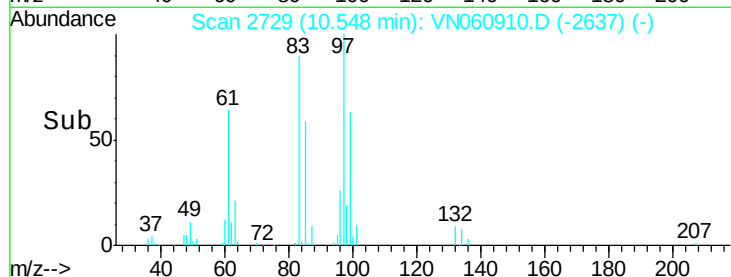
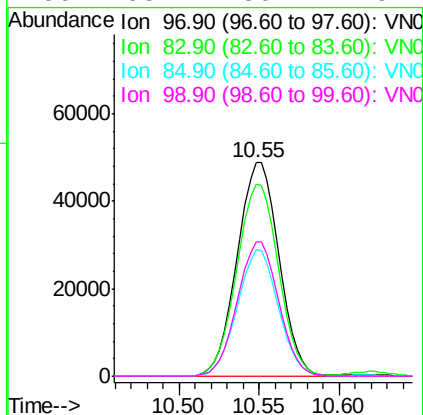
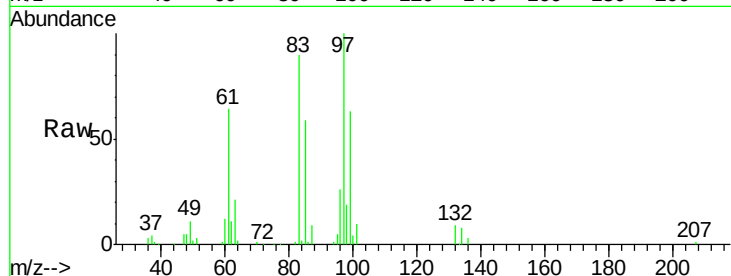
#55
 1,1,2-Trichloroethane
 Concen: 52.838 ug/l
 RT: 10.55 min Scan# 2729
 Delta R.T. -0.00 min
 Lab File: VN060910.D
 Acq: 13 Apr 2020 19:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	87366
Ion	Ratio	Lower	Upper
97	100		
83	90.1	71.3	106.9
85	59.1	45.2	67.8
99	63.1	50.1	75.1

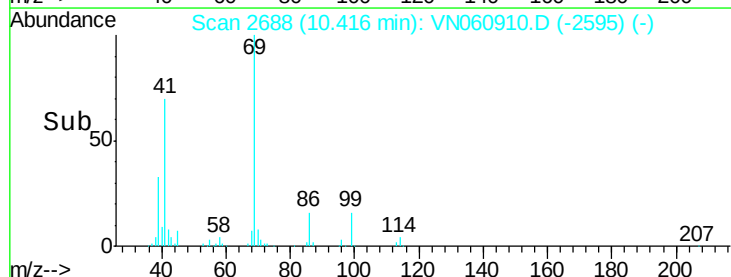
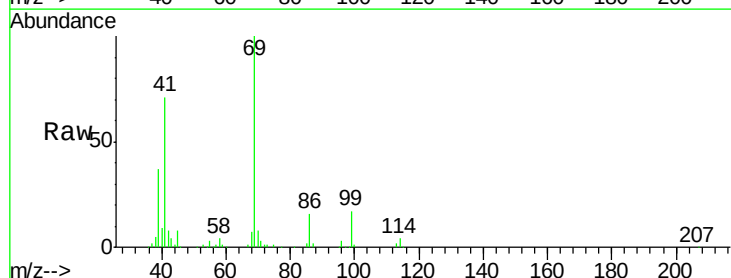
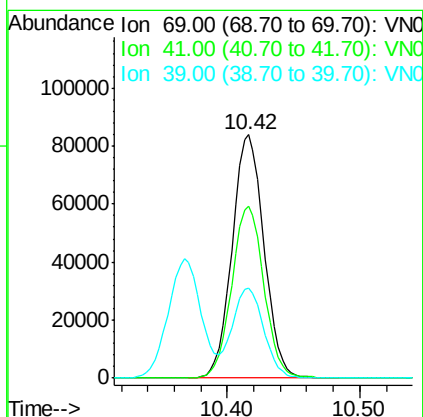
Manual Integrations
 APPROVED

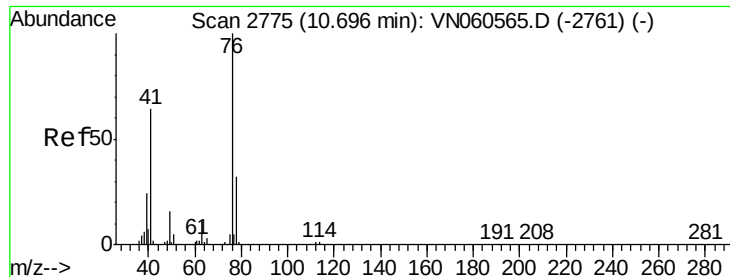
MMDadoda
 4/14/2020 10:10:48 AM



#56
 Ethyl methacrylate
 Concen: 54.236 ug/l
 RT: 10.42 min Scan# 2688
 Delta R.T. -0.00 min
 Lab File: VN060910.D
 Acq: 13 Apr 2020 19:37

Tgt Ion:	69	Resp:	139829
Ion	Ratio	Lower	Upper
69	100		
41	70.8	55.4	83.2
39	36.9	29.4	44.0





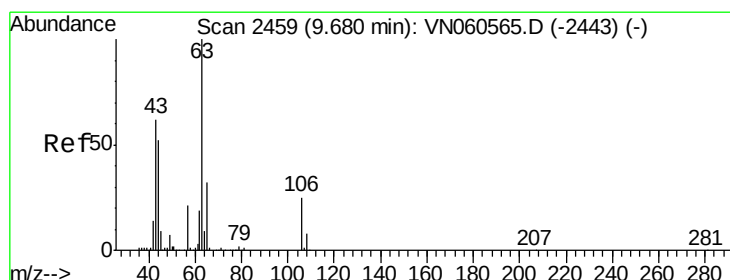
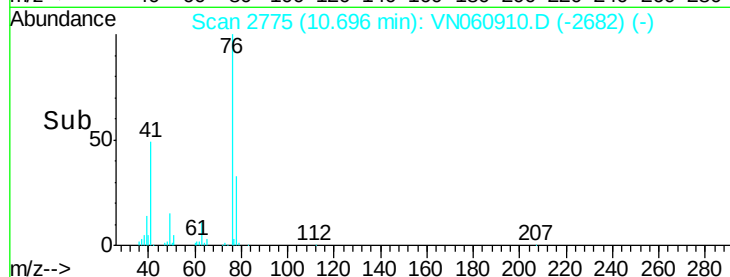
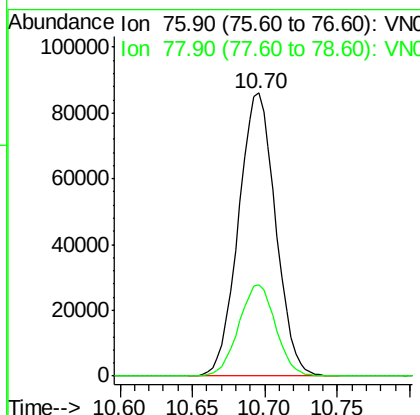
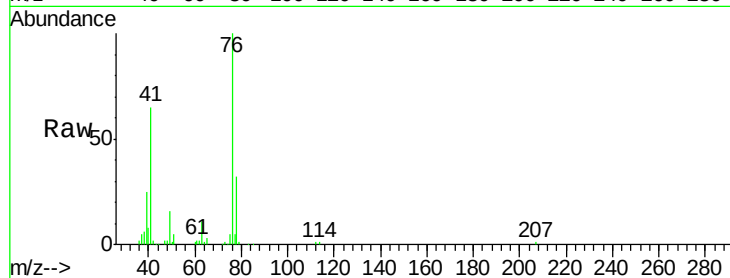
#57
 1,3-Dichloropropane
 Concen: 53.418 ug/l
 RT: 10.70 min Scan# 2775
 Delta R.T. -0.00 min
 Lab File: VN060910.D
 Acq: 13 Apr 2020 19:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.1	25.8	38.6

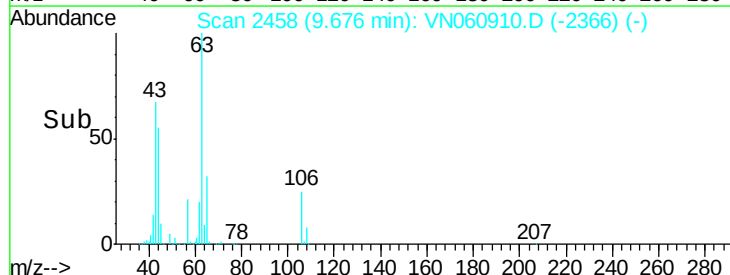
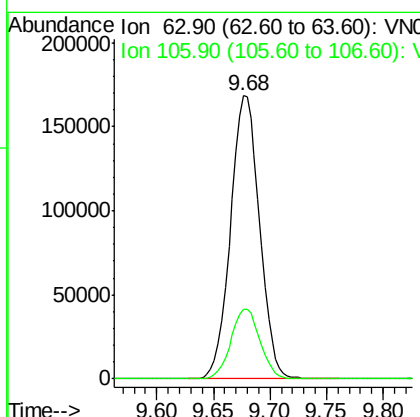
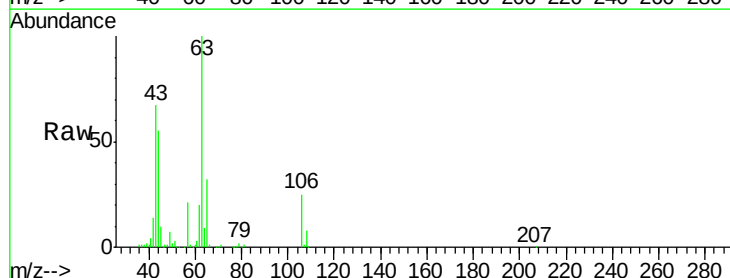
Manual Integrations
 APPROVED

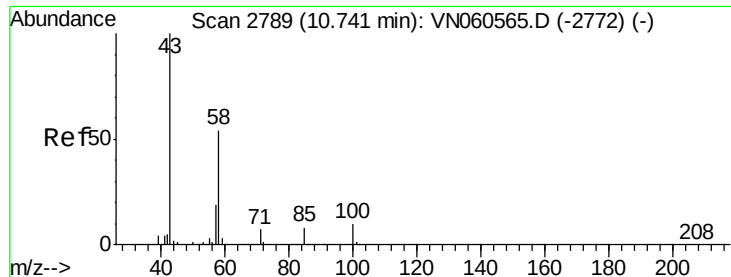
MMDadoda
 4/14/2020 10:10:48 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 235.077 ug/l
 RT: 9.68 min Scan# 2458
 Delta R.T. -0.00 min
 Lab File: VN060910.D
 Acq: 13 Apr 2020 19:37

Tgt Ion	Ratio	Lower	Upper
63	100		
106	24.7	20.0	30.0





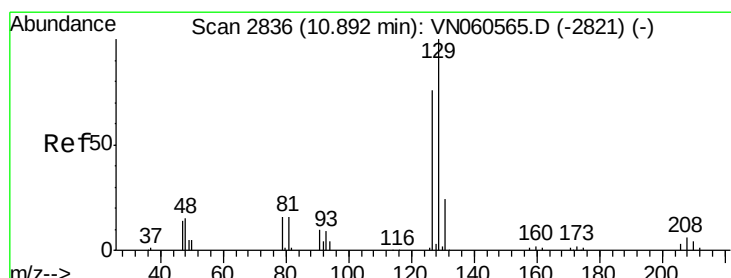
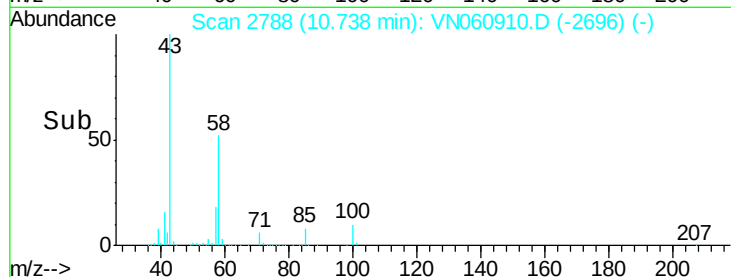
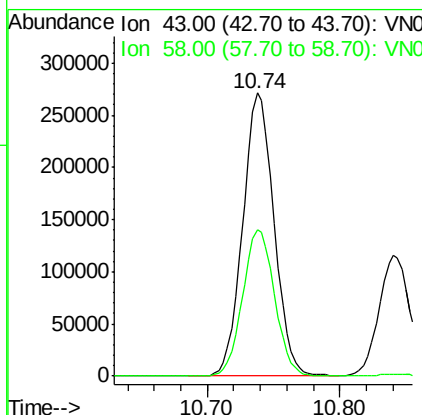
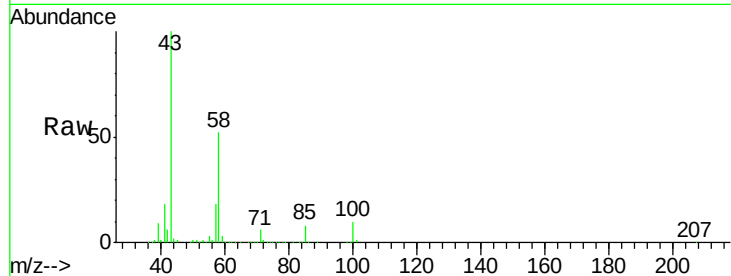
#59
2-Hexanone
Concen: 258.205 ug/l
RT: 10.74 min Scan# 2788
Delta R.T. -0.00 min
Lab File: VN060910.D
Acq: 13 Apr 2020 19:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 444634
Ion Ratio Lower Upper
43 100
58 52.8 26.7 80.1

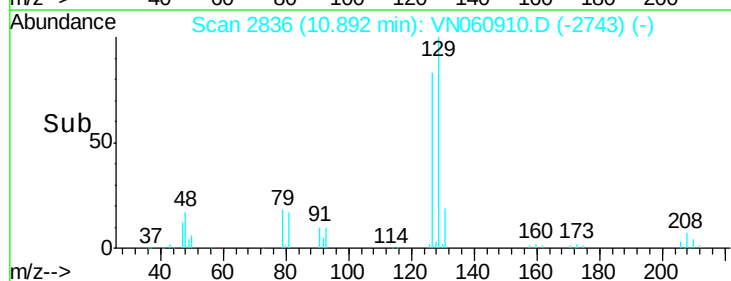
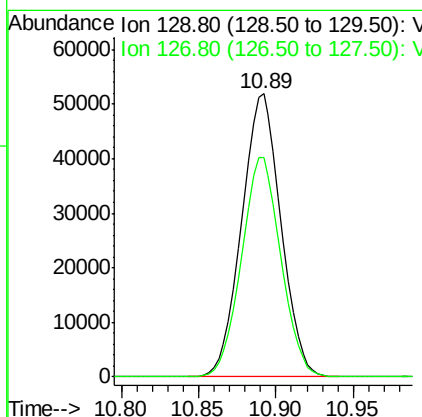
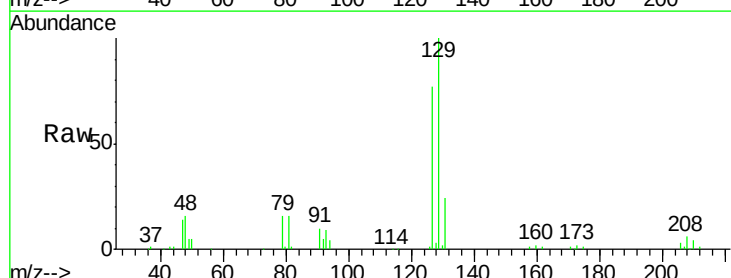
Manual Integrations
APPROVED

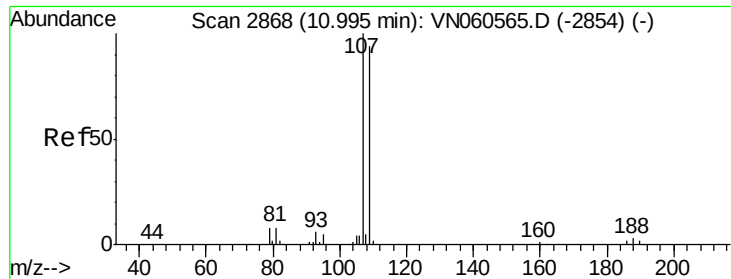
MMDadoda
4/14/2020 10:10:48 AM



#60
Dibromochloromethane
Concen: 53.763 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. -0.00 min
Lab File: VN060910.D
Acq: 13 Apr 2020 19:37

Tgt Ion: 129 Resp: 91824
Ion Ratio Lower Upper
129 100
127 77.5 38.5 115.5





#61

1,2-Dibromoethane

Concen: 51.882 ug/l

RT: 10.99 min Scan# 2868

Delta R.T. -0.00 min

Lab File: VN060910.D

Acq: 13 Apr 2020 19:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:107 Resp: 86262

Ion Ratio Lower Upper

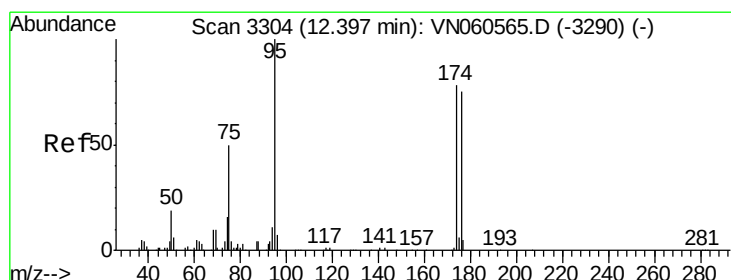
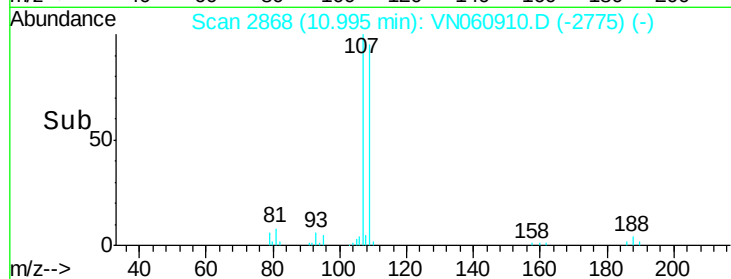
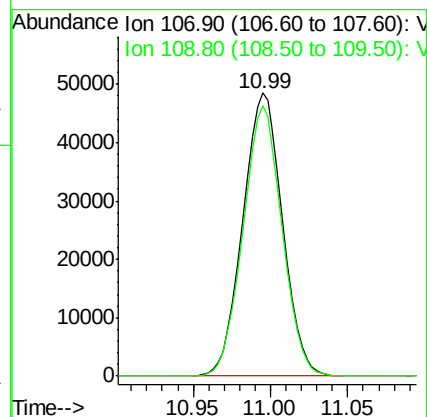
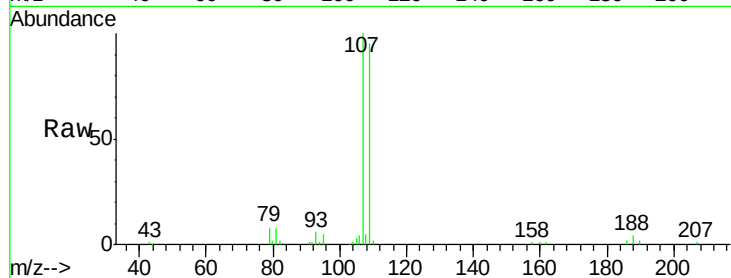
107 100

109 94.0 75.4 113.2

Manual Integrations
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MMDadoda

4/14/2020 10:10:48 AM



#62

4-Bromofluorobenzene

Concen: 52.417 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.00 min

Lab File: VN060910.D

Acq: 13 Apr 2020 19:37

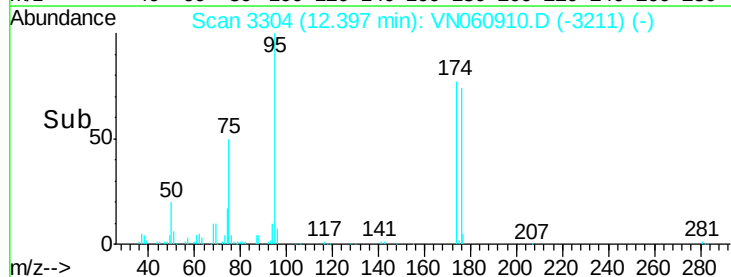
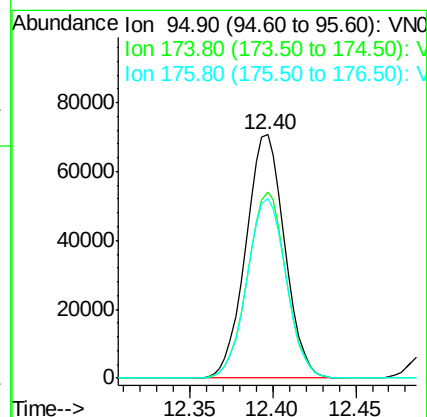
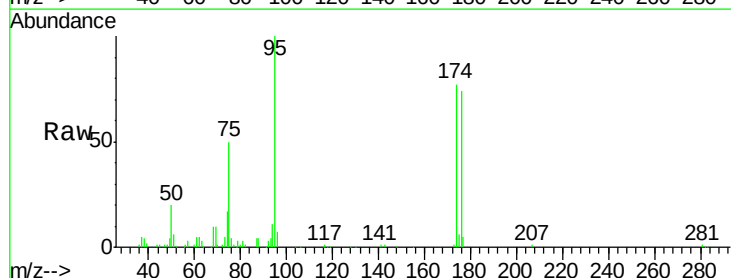
Tgt Ion: 95 Resp: 115511

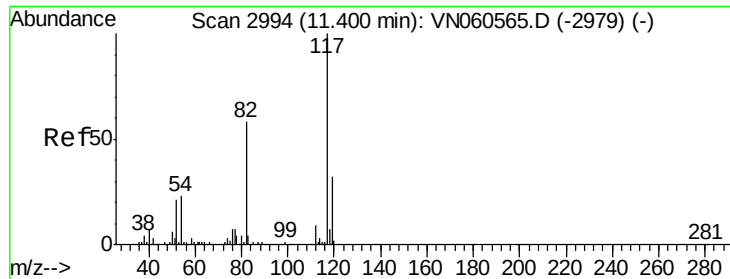
Ion Ratio Lower Upper

95 100

174 76.1 0.0 157.6

176 74.2 0.0 150.6





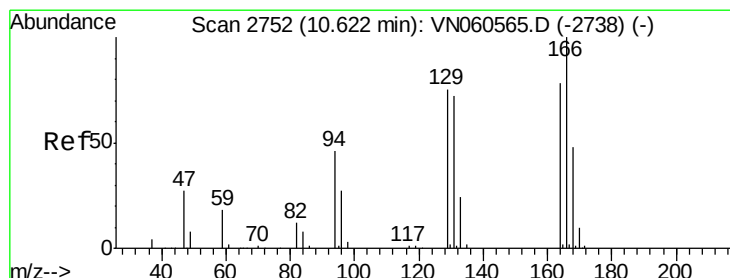
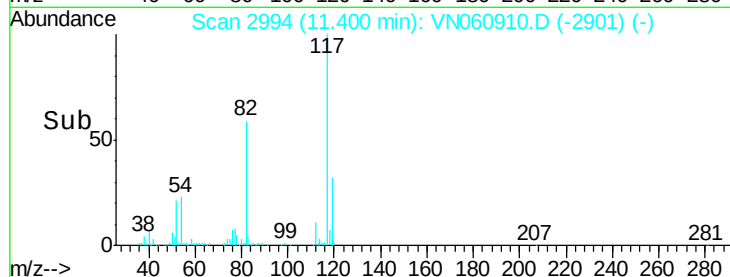
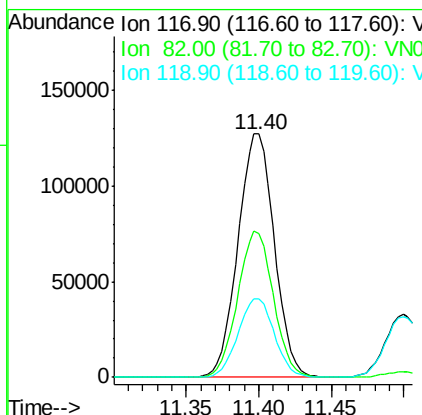
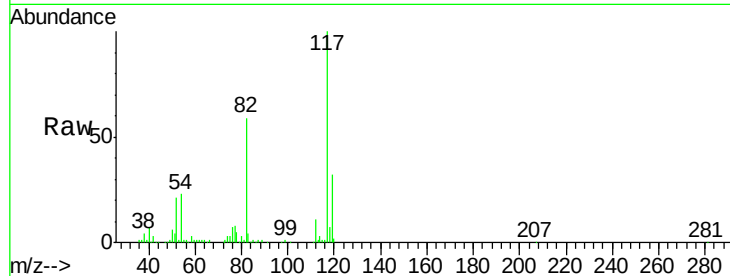
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. -0.00 min
Lab File: VN060910.D
Acq: 13 Apr 2020 19:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	222095		
82	59.0		46.7	70.1
119	32.5		25.5	38.3

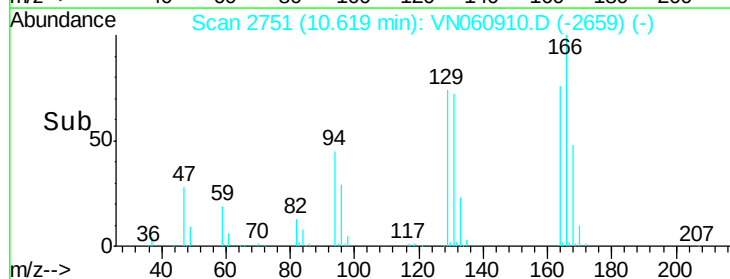
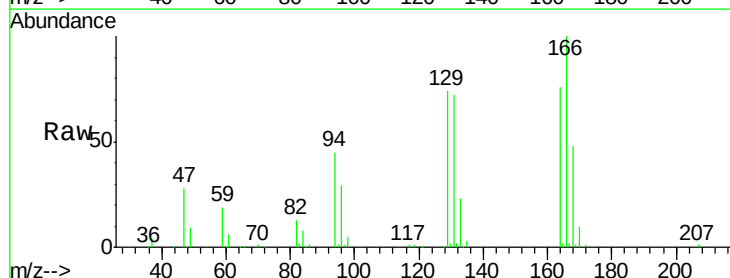
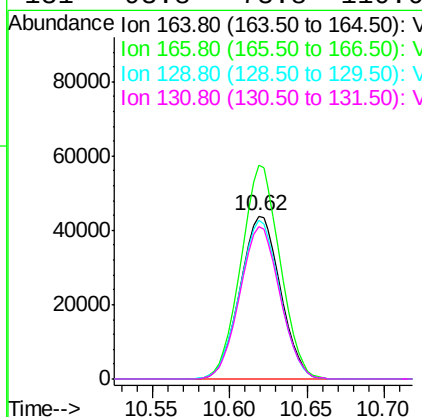
Manual Integrations
APPROVED

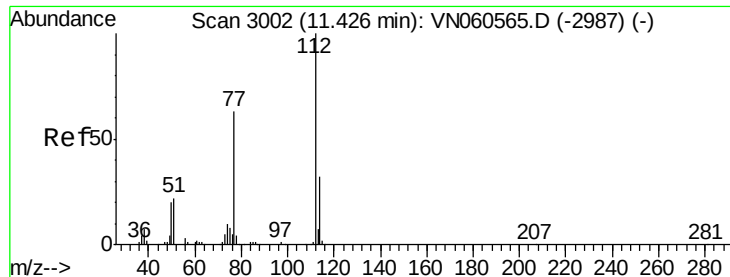
MMDadoda
4/14/2020 10:10:48 AM



#64
Tetrachloroethene
Concen: 45.452 ug/l
RT: 10.62 min Scan# 2751
Delta R.T. -0.00 min
Lab File: VN060910.D
Acq: 13 Apr 2020 19:37

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	79437		
166	131.2		102.7	154.1
129	97.3		77.2	115.8
131	93.8		73.8	110.6





#65

Chlorobenzene

Concen: 50.625 ug/l

RT: 11.42 min Scan# 3001

Delta R.T. -0.00 min

Lab File: VN060910.D

Acq: 13 Apr 2020 19:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:112 Resp: 222893

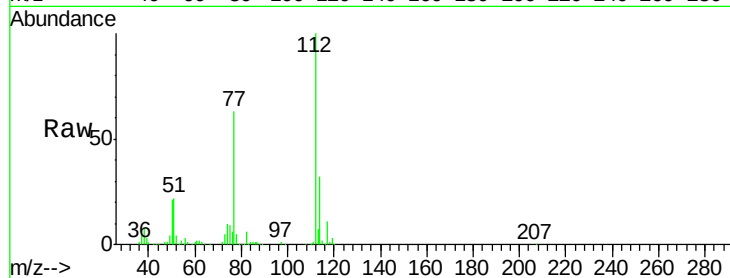
Ion Ratio Lower Upper

112 100

114 31.8 25.8 38.6

Manual Integrations
APPROVED

MMDadoda
4/14/2020 10:10:48 AM



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

11.42

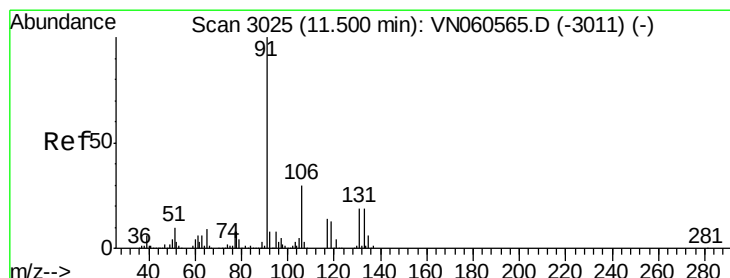
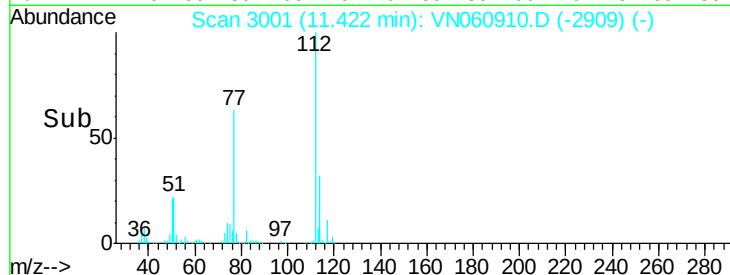
150000

100000

50000

0

Time--> 11.35 11.40 11.45 11.50



#66

1,1,1,2-Tetrachloroethane

Concen: 52.464 ug/l

RT: 11.50 min Scan# 3025

Delta R.T. -0.00 min

Lab File: VN060910.D

Acq: 13 Apr 2020 19:37

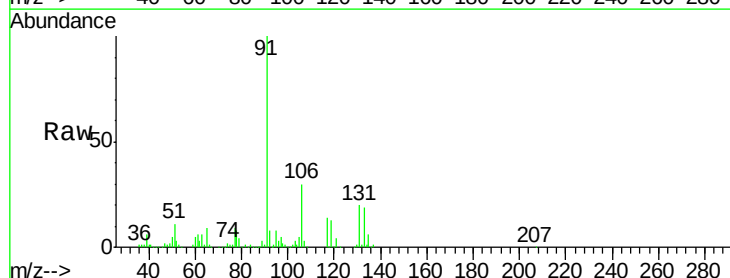
Tgt Ion:131 Resp: 83634

Ion Ratio Lower Upper

131 100

133 95.2 48.9 146.8

119 66.9 33.9 101.7



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

60000

50000

40000

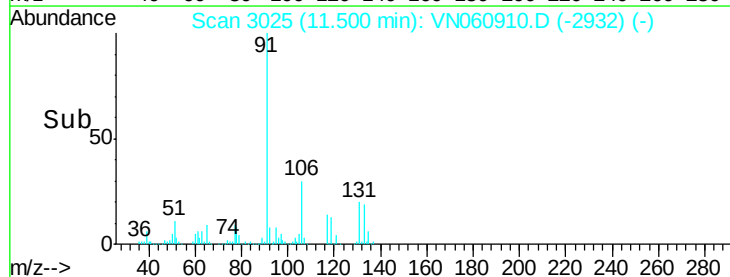
30000

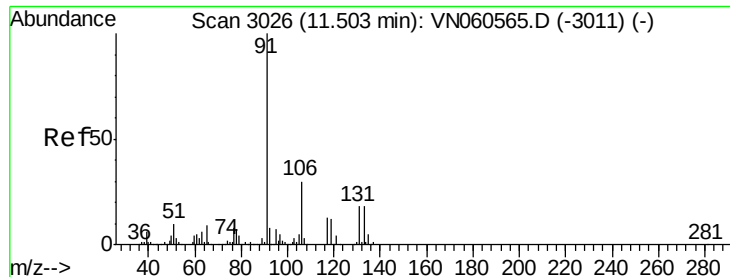
20000

10000

0

Time--> 11.45 11.50 11.55





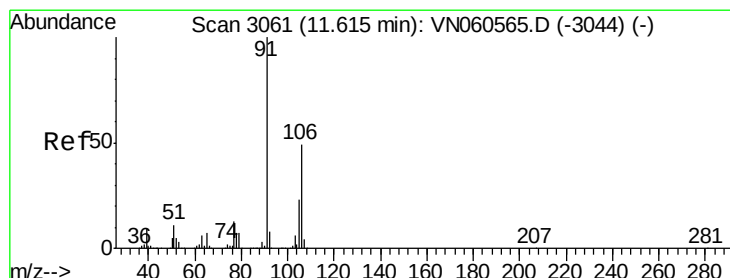
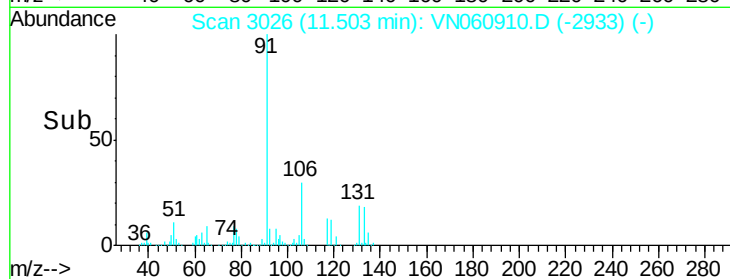
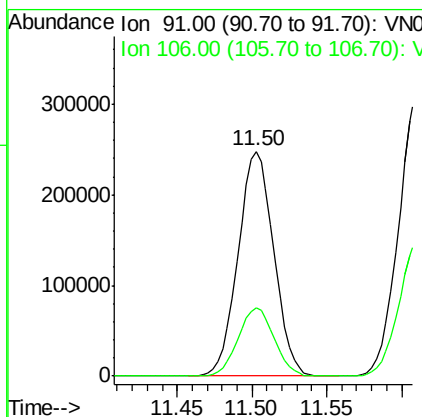
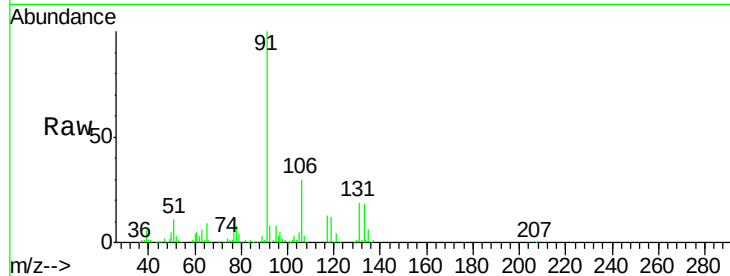
#67
Ethyl Benzene
Concen: 50.225 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. -0.00 min
Lab File: VN060910.D
Acq: 13 Apr 2020 19:37

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	91	Resp	411231
Ion Ratio	Lower	Upper	
91	100		
106	30.1	24.2	36.2

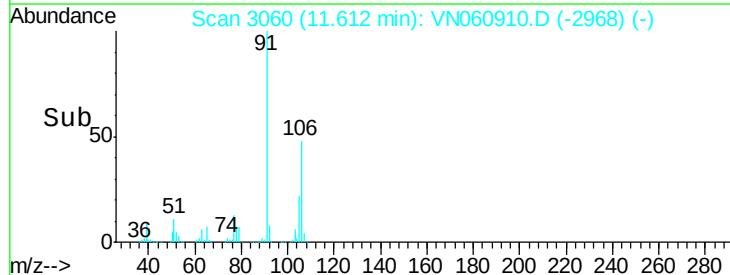
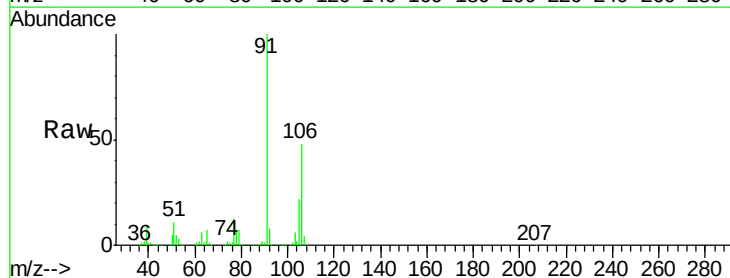
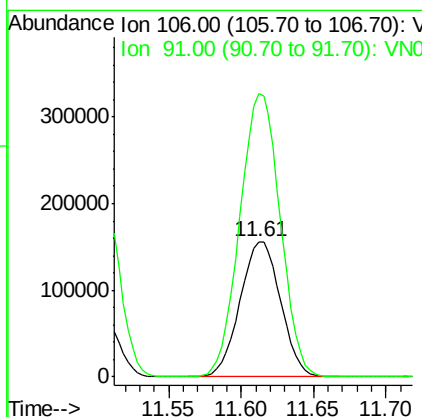
Manual Integrations
APPROVED

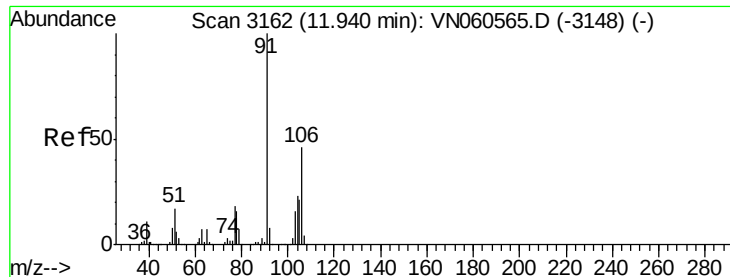
MMDadoda
4/14/2020 10:10:48 AM



#68
m/p-Xylenes
Concen: 99.555 ug/l
RT: 11.61 min Scan# 3060
Delta R.T. -0.00 min
Lab File: VN060910.D
Acq: 13 Apr 2020 19:37

Tgt Ion	106	Resp	302904
Ion Ratio	Lower	Upper	
106	100		
91	209.1	165.0	247.4





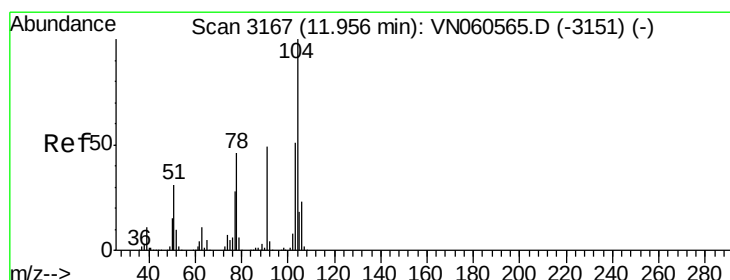
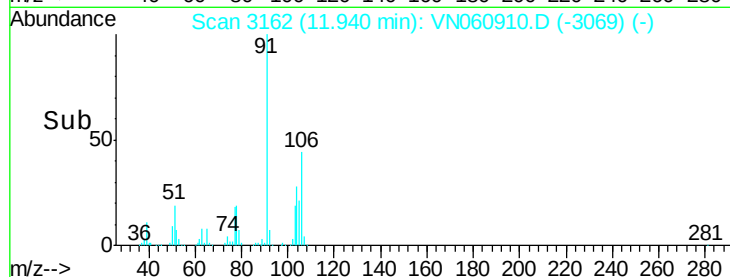
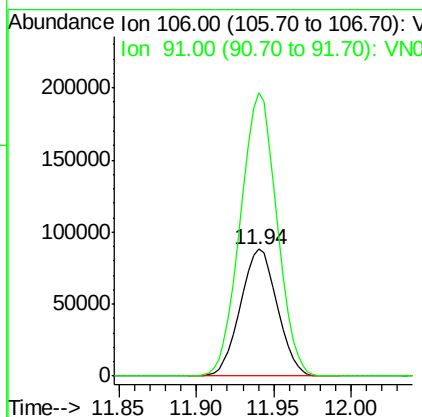
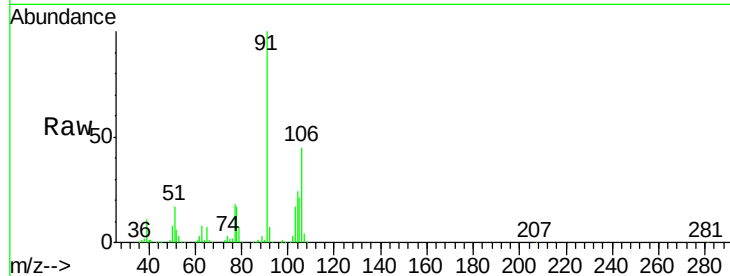
#69
o-Xylene
Concen: 50.426 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. -0.00 min
Lab File: VN060910.D
Acq: 13 Apr 2020 19:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	221.2	109.5	328.4	

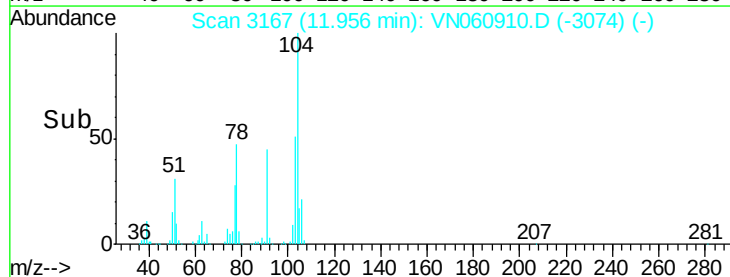
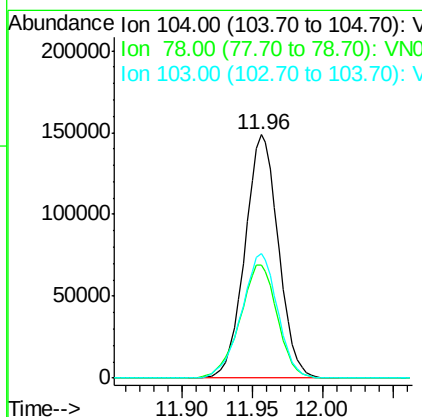
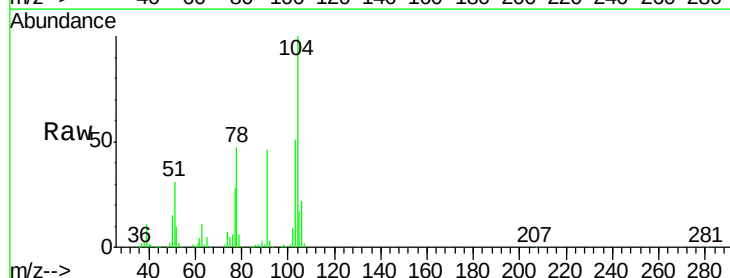
Manual Integrations
APPROVED

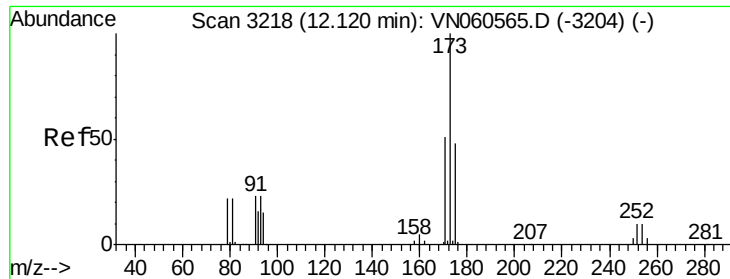
MMDadoda
4/14/2020 10:10:48 AM



#70
Styrene
Concen: 51.988 ug/l
RT: 11.96 min Scan# 3167
Delta R.T. -0.00 min
Lab File: VN060910.D
Acq: 13 Apr 2020 19:37

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	51.8	41.2	61.8	
103	55.2	44.0	66.0	





#71

Bromoform

Concen: 48.536 ug/l

RT: 12.12 min Scan# 3218

Delta R.T. 0.00 min

Lab File: VN060910.D

Acq: 13 Apr 2020 19:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 64239

Ion Ratio Lower Upper

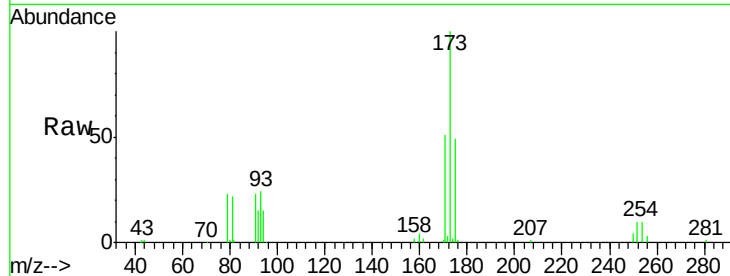
173 100

175 49.2 24.1 72.4

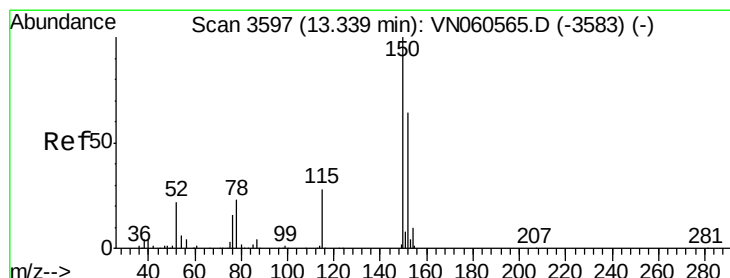
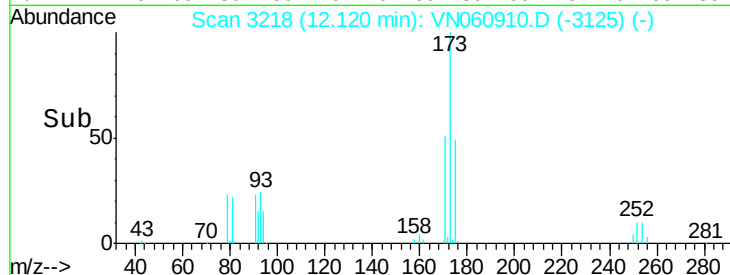
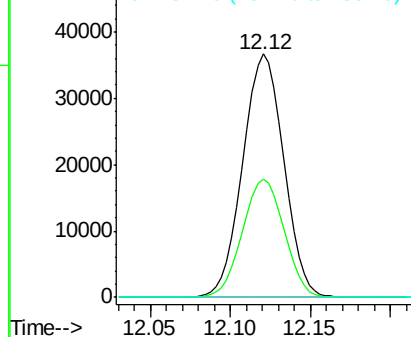
254 0.0 0.0 0.0

Manual Integrations
APPROVED

MMDadoda
4/14/2020 10:10:48 AM



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: 13.34 min Scan# 3597

Delta R.T. -0.00 min

Lab File: VN060910.D

Acq: 13 Apr 2020 19:37

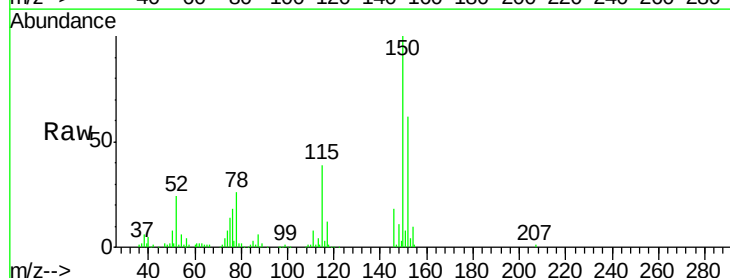
Tgt Ion:152 Resp: 106053

Ion Ratio Lower Upper

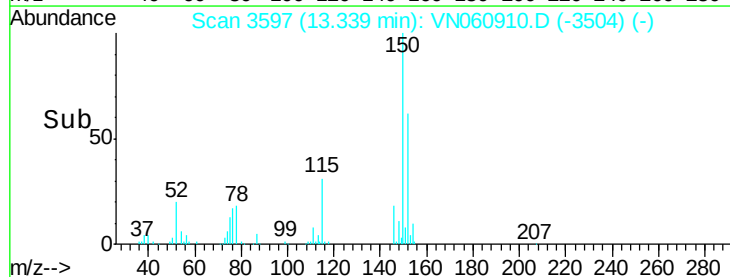
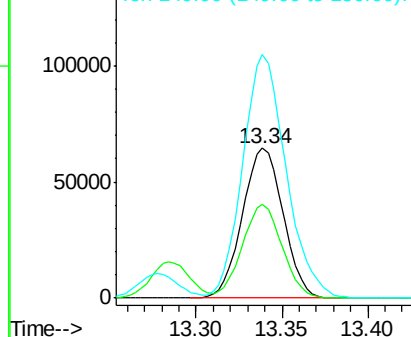
152 100

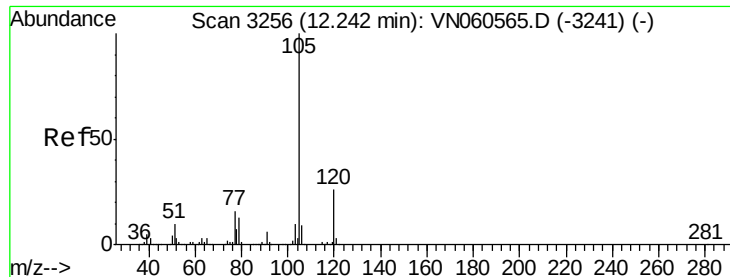
115 61.2 30.2 90.6

150 173.3 0.0 350.2



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





#73

Isopropylbenzene

Concen: 48.620 ug/l

RT: 12.24 min Scan# 3256

Delta R.T. -0.00 min

Lab File: VN060910.D

Acq: 13 Apr 2020 19:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 386961

Ion Ratio Lower Upper

105 100

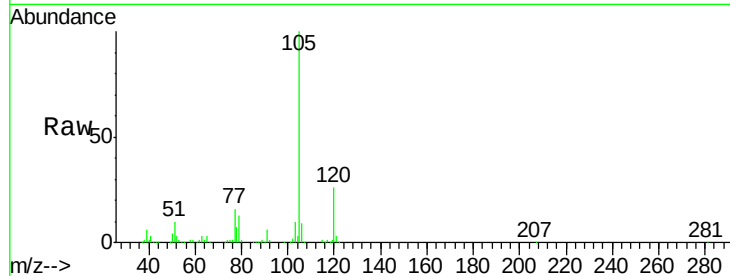
120 25.8 13.1 39.1

Manual Integrations

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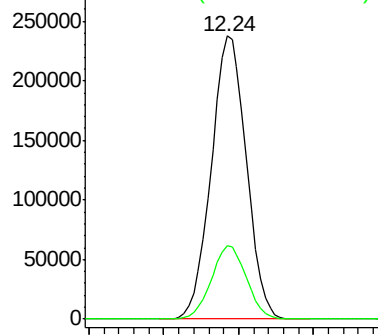
MMDadoda

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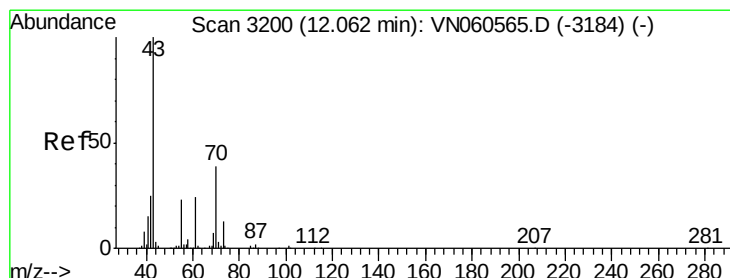
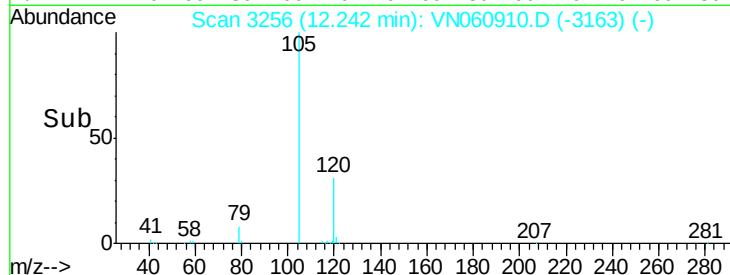


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



Time--> 12.15 12.20 12.25 12.30



#74

N-ethyl acetate

Concen: 51.056 ug/l

RT: 12.06 min Scan# 3200

Delta R.T. -0.00 min

Lab File: VN060910.D

Acq: 13 Apr 2020 19:37

Tgt Ion: 43 Resp: 187768

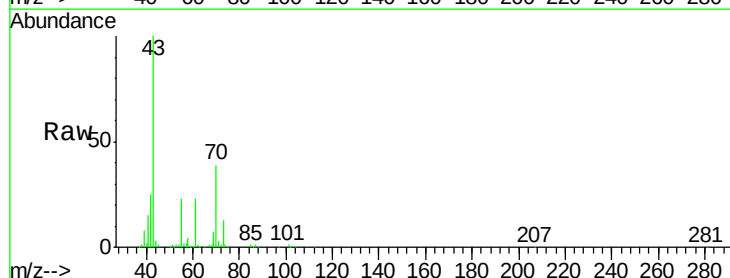
Ion Ratio Lower Upper

43 100

70 39.0 31.1 46.7

55 23.4 18.6 27.8

61 23.2 18.9 28.3

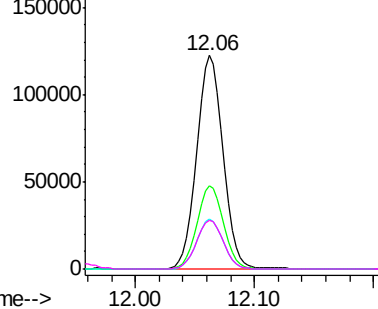


Abundance Ion 43.00 (42.70 to 43.70): V

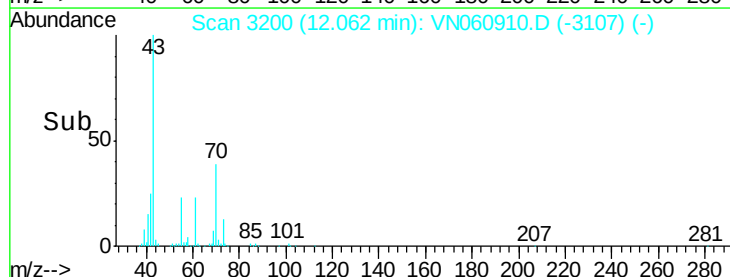
Ion 70.00 (69.70 to 70.70): V

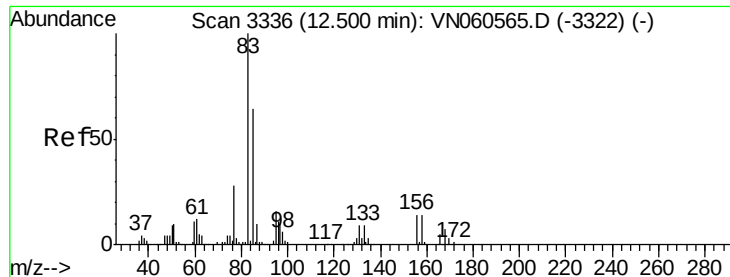
Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V



Time--> 12.00 12.10





#75

1,1,2,2-Tetrachloroethane

Concen: 52.223 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VN060910.D

Acq: 13 Apr 2020 19:37

Instrument :

MSVOA_N

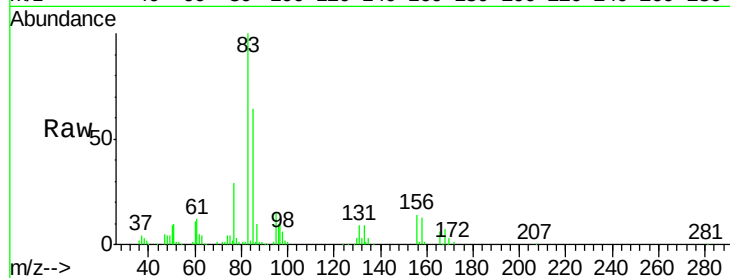
ClientSampleId :

VSTDCCC050

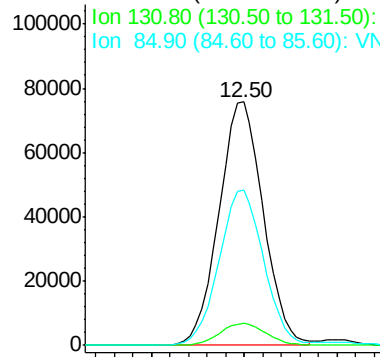
Tot Ion:	83	Resp:	125692
Ion Ratio	Lower	Upper	
83	100		
131	9.4	4.9	14.7
85	64.1	32.5	97.4

Manual Integrations
APPROVED

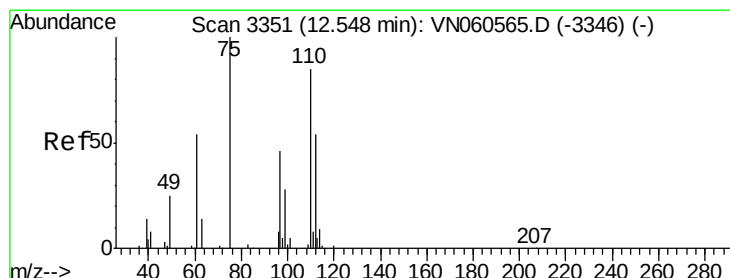
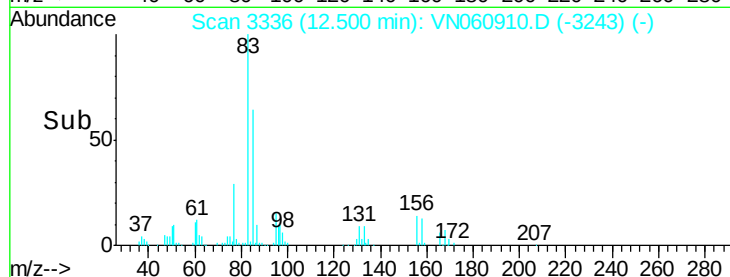
MMDadoda
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Abundance Ion 82.90 (82.60 to 83.60): VN060910.D (-3243) (-)



Time-->



#76

1,2,3-Trichloropropane

Concen: 49.030 ug/l m

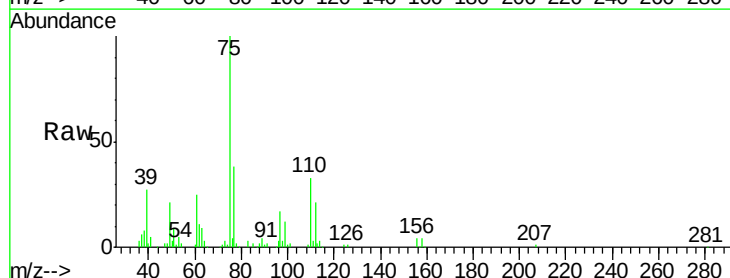
RT: 12.55 min Scan# 3351

Delta R.T. -0.00 min

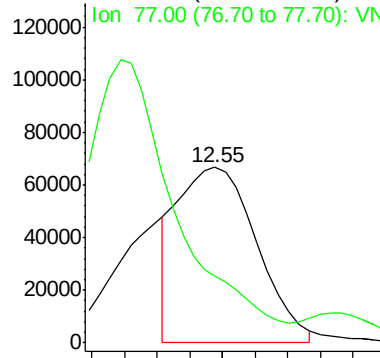
Lab File: VN060910.D

Acq: 13 Apr 2020 19:37

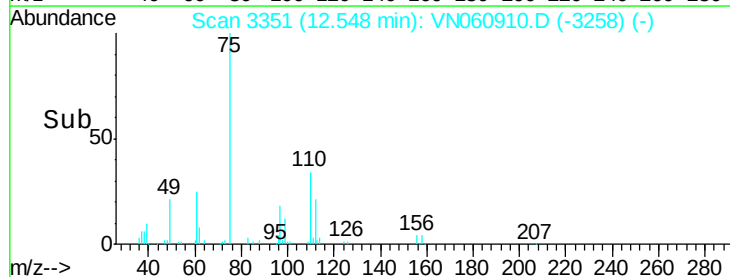
Tgt Ion:	75	Resp:	112200
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0

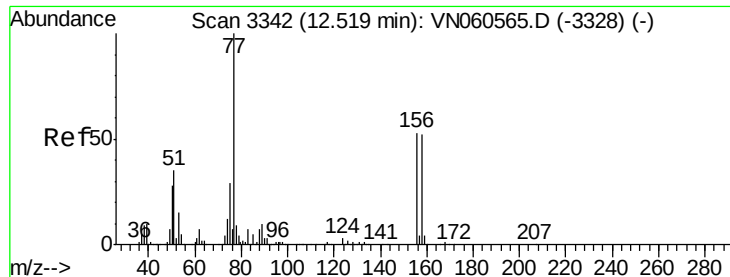


Abundance Ion 74.90 (74.60 to 75.60): VN060910.D (-3258) (-)



Time-->





#77

Bromobenzene

Concen: 49.612 ug/l

RT: 12.52 min Scan# 3342

Delta R.T. -0.00 min

Lab File: VN060910.D

Acq: 13 Apr 2020 19:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:156 Resp: 95147

Ion Ratio Lower Upper

156 100

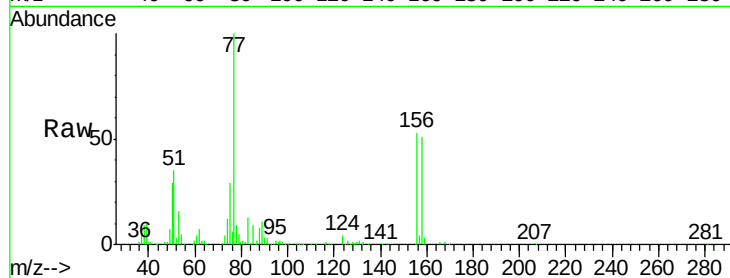
77 227.1 112.3 337.0

158 97.1 48.6 145.8

Manual Integrations
APPROVED

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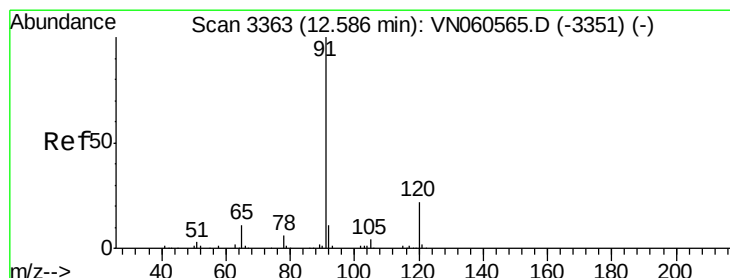
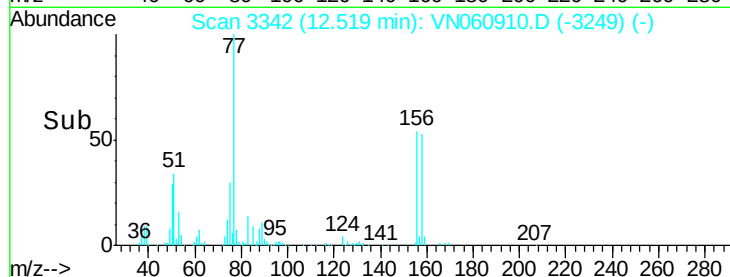
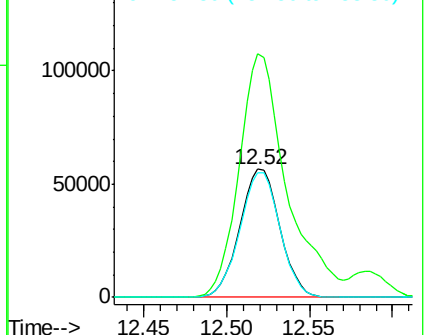
4/14/2020 10:10:48 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 48.981 ug/l

RT: 12.59 min Scan# 3363

Delta R.T. -0.00 min

Lab File: VN060910.D

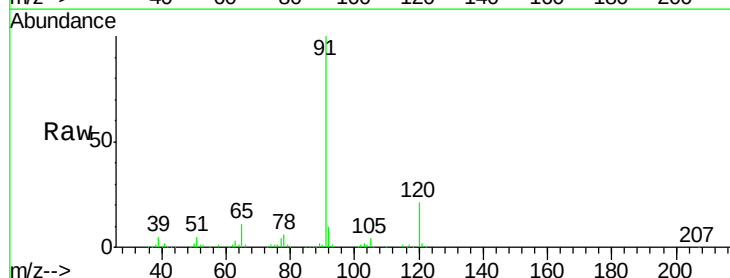
Acq: 13 Apr 2020 19:37

Tgt Ion: 91 Resp: 460562

Ion Ratio Lower Upper

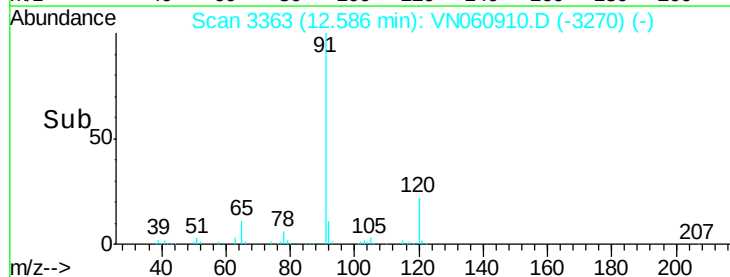
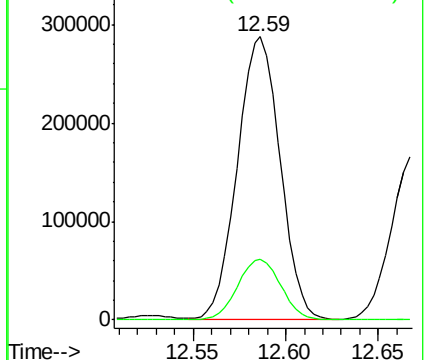
91 100

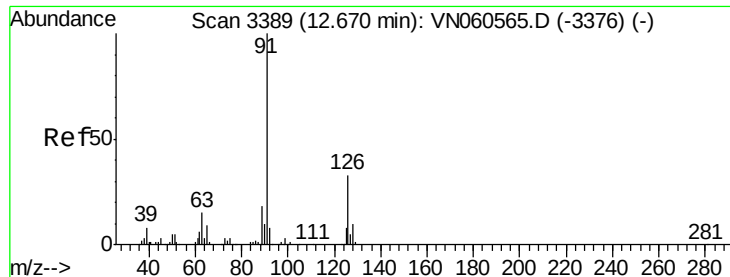
120 21.7 11.3 33.8



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 49.055 ug/l

RT: 12.67 min Scan# 3389

Delta R.T. -0.00 min

Lab File: VN060910.D

Acq: 13 Apr 2020 19:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 275600

Ion Ratio Lower Upper

91 100

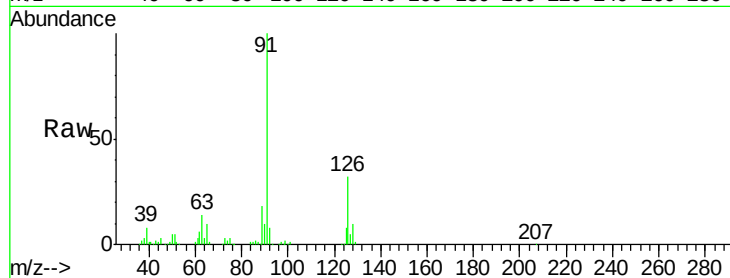
126 32.5 16.4 49.1

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Abundance Ion 91.00 (90.70 to 91.70): VN060910.D (-3296) (-)

Ion 125.90 (125.60 to 126.60): VN060910.D (-3296) (-)

250000

200000

150000

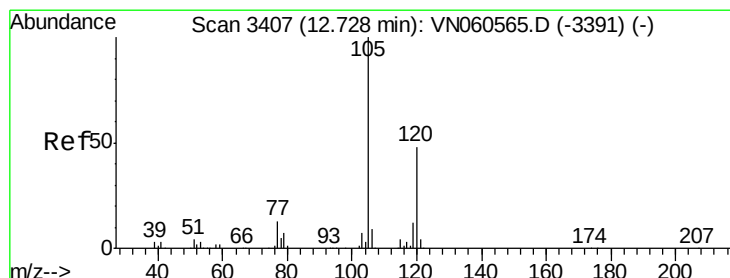
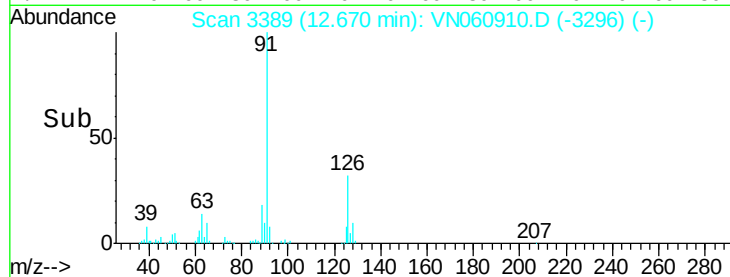
100000

50000

0

12.60 12.65 12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 48.887 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. -0.00 min

Lab File: VN060910.D

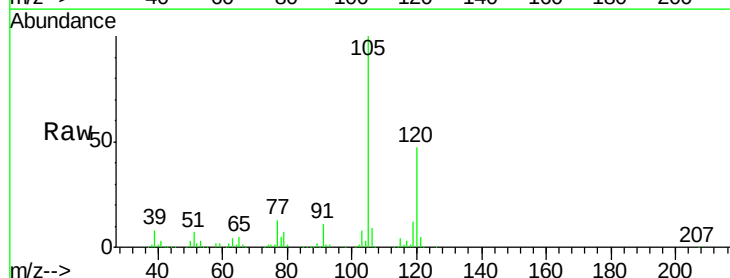
Acq: 13 Apr 2020 19:37

Tgt Ion: 105 Resp: 330186

Ion Ratio Lower Upper

105 100

120 47.6 23.9 71.7



Abundance Ion 105.00 (104.70 to 105.70): VN060910.D (-3314) (-)

Ion 120.00 (119.70 to 120.70): VN060910.D (-3314) (-)

200000

150000

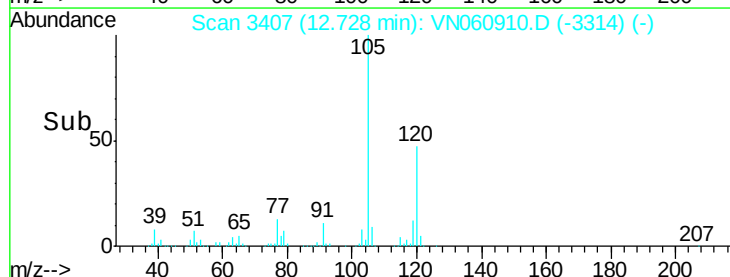
100000

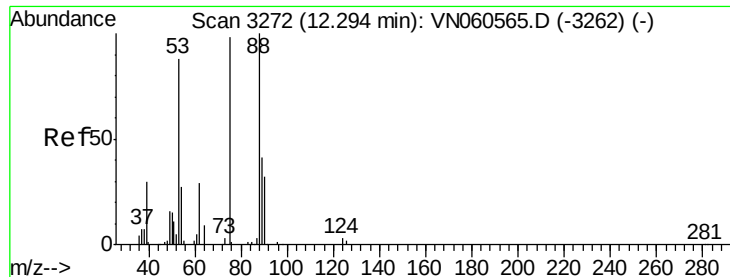
50000

0

12.65 12.70 12.75 12.80

Time-->





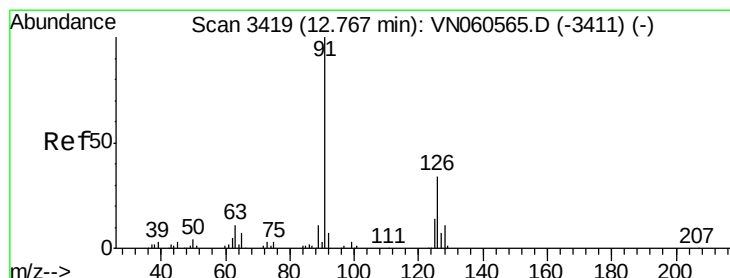
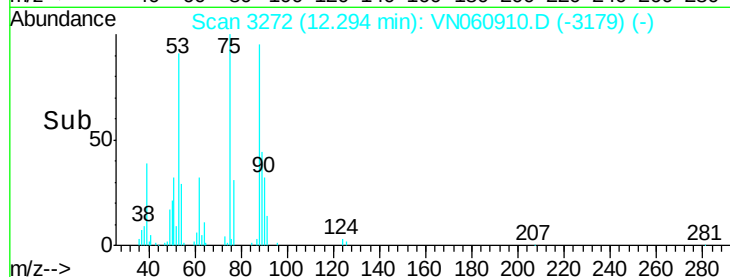
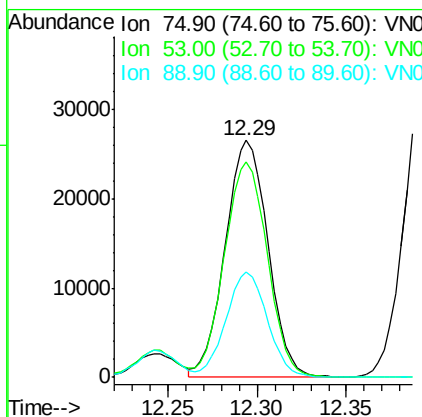
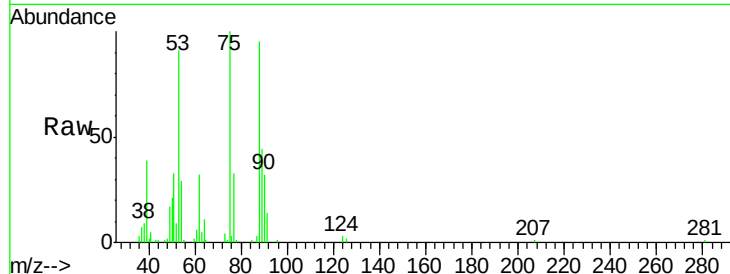
#81
trans-1,4-Dichloro-2-butene
Concen: 49.807 ug/l
RT: 12.29 min Scan# 3272
Delta R.T. -0.00 min
Lab File: VN060910.D
Acq: 13 Apr 2020 19:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	91.5	73.0	109.4
89	43.0	34.8	52.2

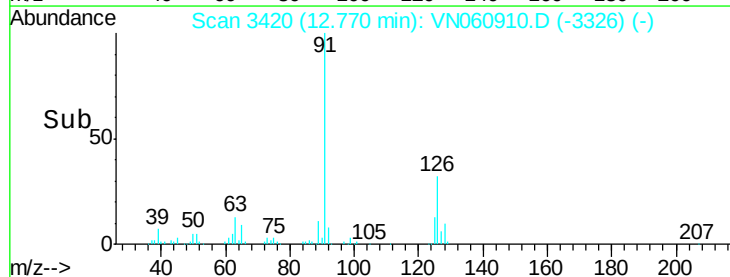
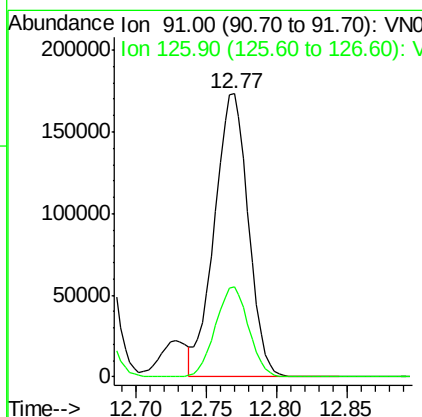
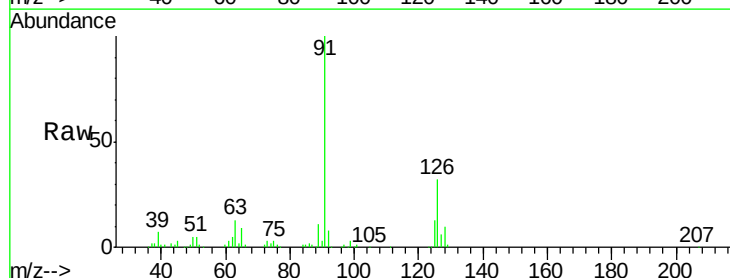
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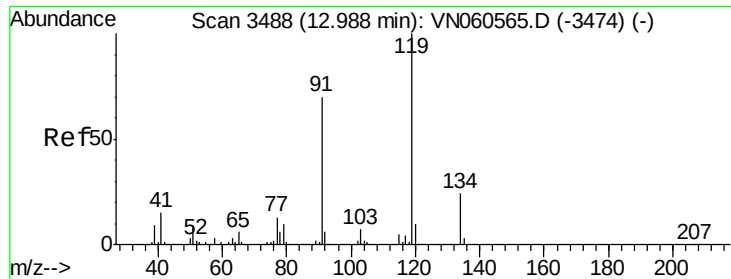
MMDadoda
4/14/2020 10:10:48 AM



#82
4-Chlorotoluene
Concen: 50.536 ug/l
RT: 12.77 min Scan# 3420
Delta R.T. 0.00 min
Lab File: VN060910.D
Acq: 13 Apr 2020 19:37

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.2	16.2	48.5





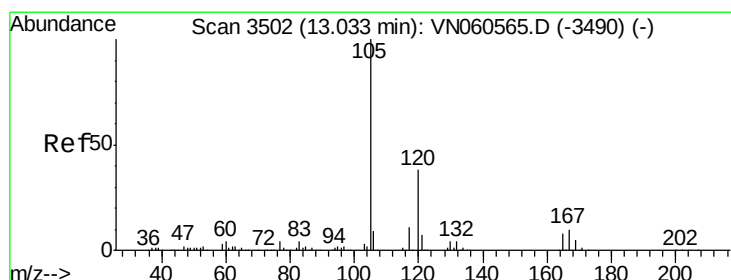
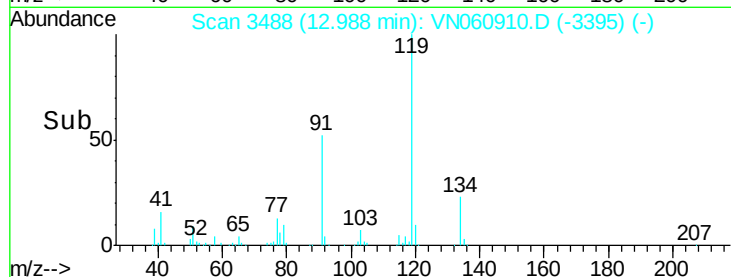
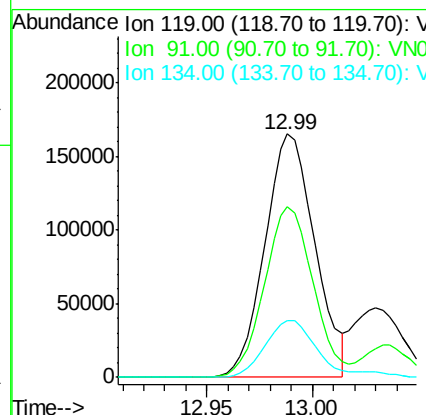
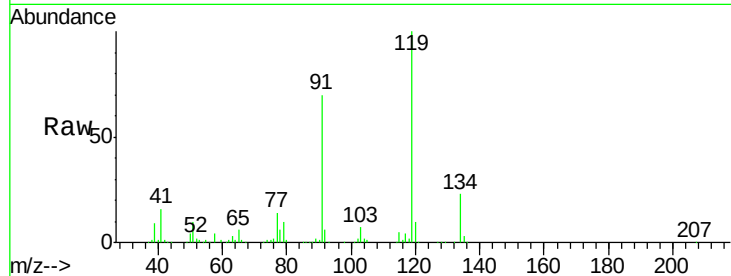
#83
 tert-Butylbenzene
 Concen: 48.720 ug/l
 RT: 12.99 min Scan# 3488
 Delta R.T. -0.00 min
 Lab File: VN060910.D
 Acq: 13 Apr 2020 19:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	68.4	34.0	101.8
134	25.1	12.7	38.0

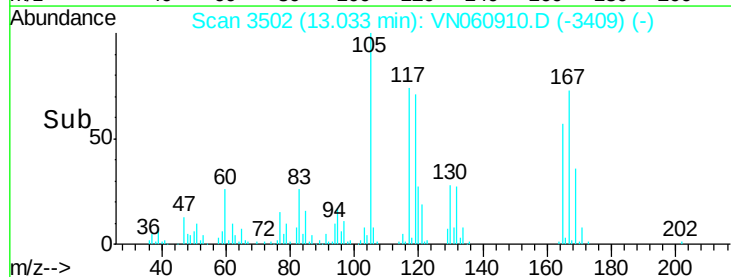
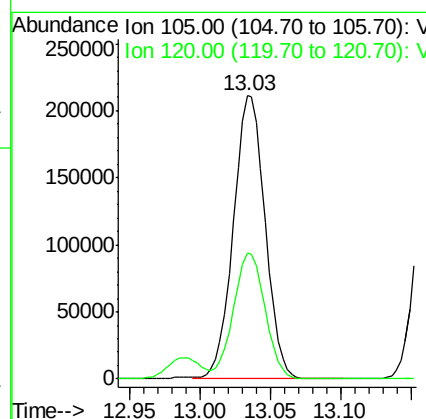
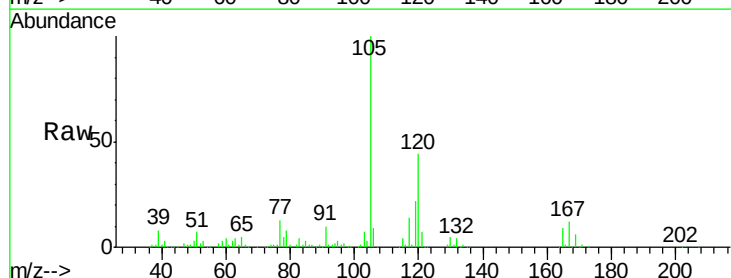
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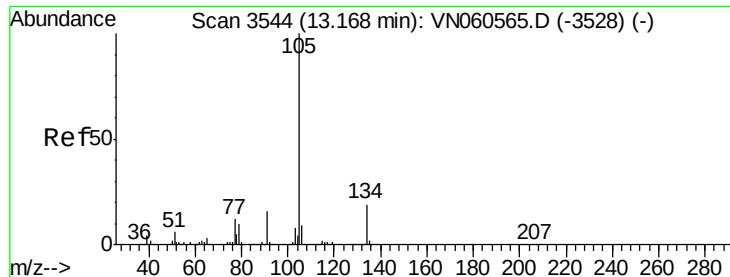
MMDadoda
 4/14/2020 10:10:48 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 49.820 ug/l
 RT: 13.03 min Scan# 3502
 Delta R.T. -0.00 min
 Lab File: VN060910.D
 Acq: 13 Apr 2020 19:37

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.5	22.1	66.5





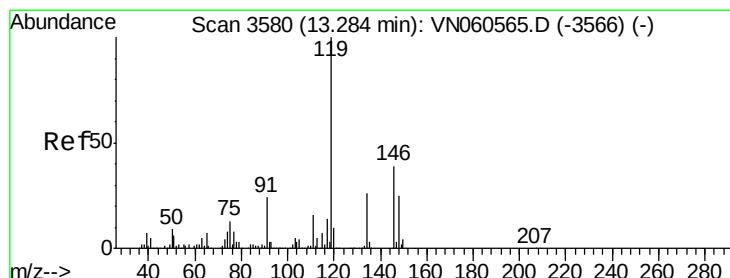
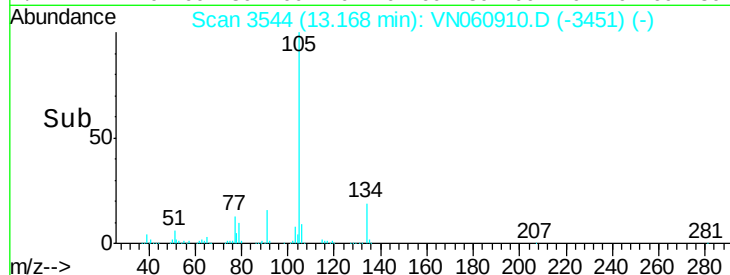
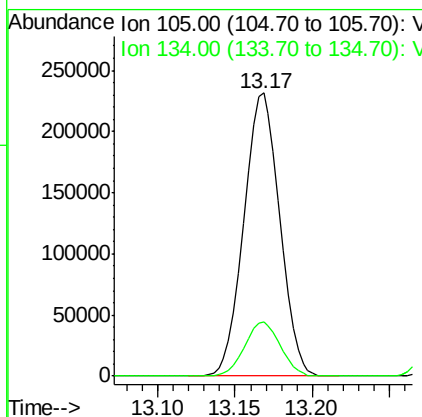
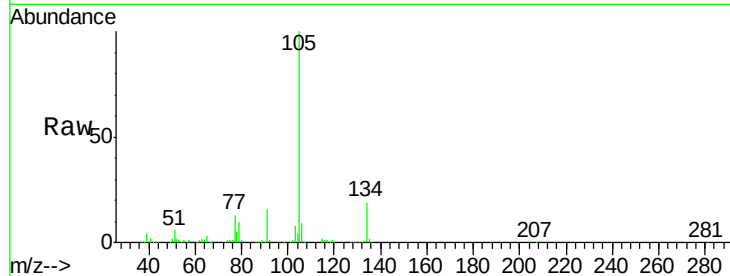
#85
 sec-Butylbenzene
 Concen: 49.697 ug/l
 RT: 13.17 min Scan# 3544
 Delta R.T. -0.00 min
 Lab File: VN060910.D
 Acq: 13 Apr 2020 19:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.1	9.6	28.8

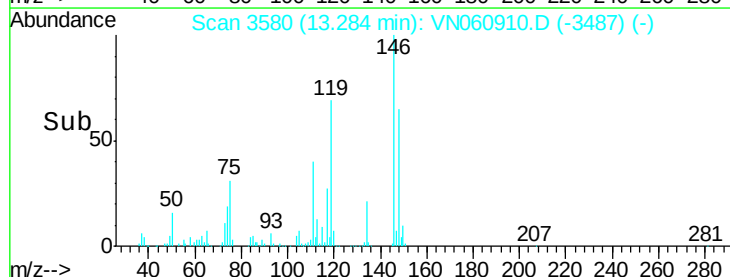
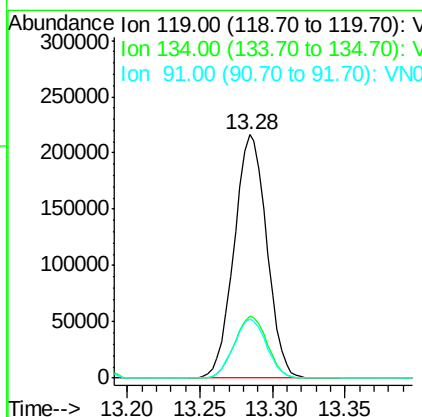
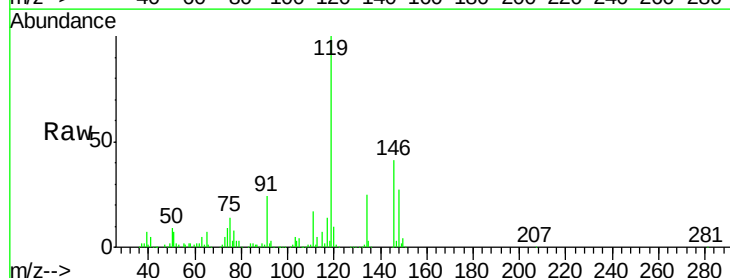
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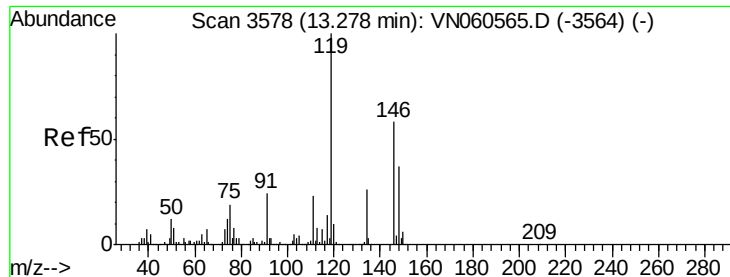
MMDadoda
 4/14/2020 10:10:48 AM



#86
 p-Isopropyltoluene
 Concen: 49.773 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. -0.00 min
 Lab File: VN060910.D
 Acq: 13 Apr 2020 19:37

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.6	13.0	39.0
91	24.3	12.0	36.0





#87

1,3-Dichlorobenzene

Concen: 50.284 ug/l

RT: 13.28 min Scan# 3578

Delta R.T. -0.00 min

Lab File: VN060910.D

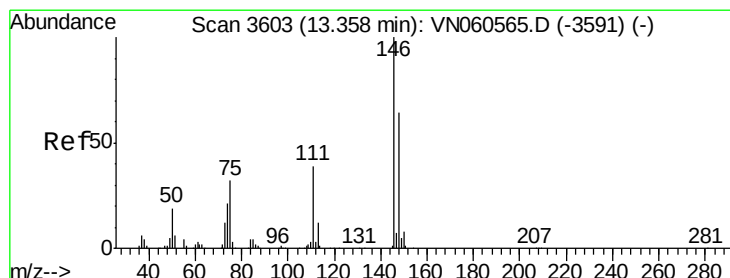
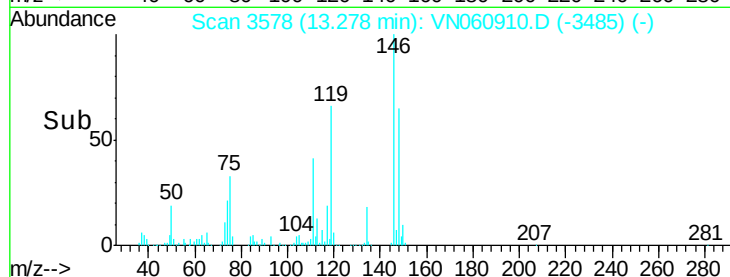
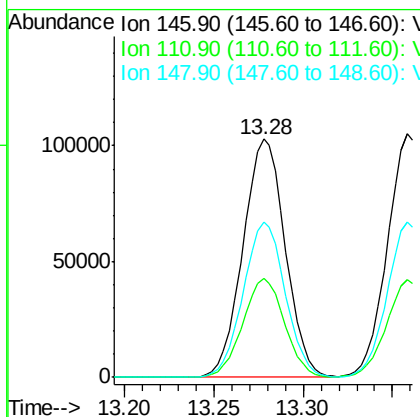
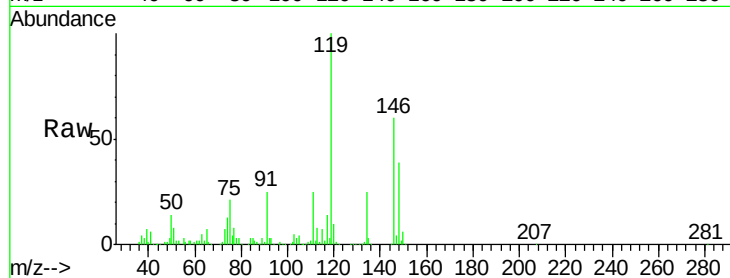
Acq: 13 Apr 2020 19:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.1	20.3	60.8
148	64.7	32.5	97.4

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#88

1,4-Dichlorobenzene

Concen: 50.218 ug/l

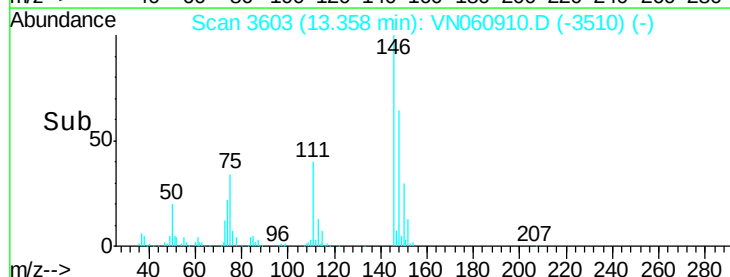
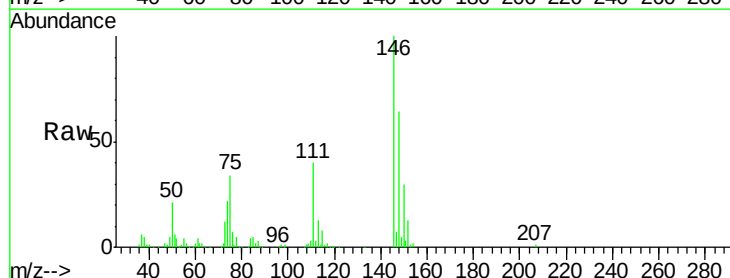
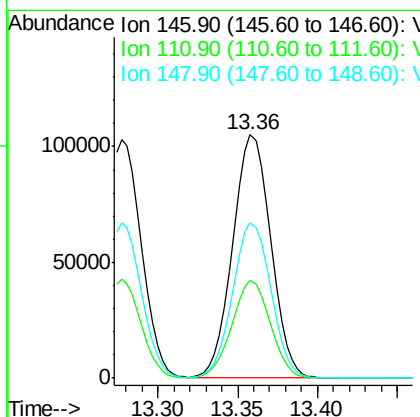
RT: 13.36 min Scan# 3603

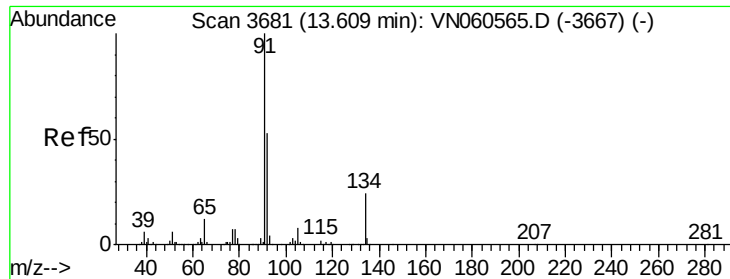
Delta R.T. -0.00 min

Lab File: VN060910.D

Acq: 13 Apr 2020 19:37

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.5	19.6	58.7
148	64.2	32.1	96.3





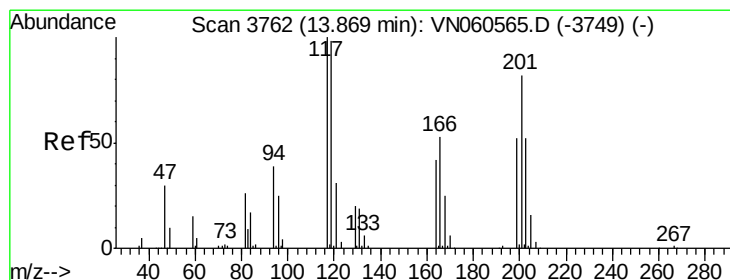
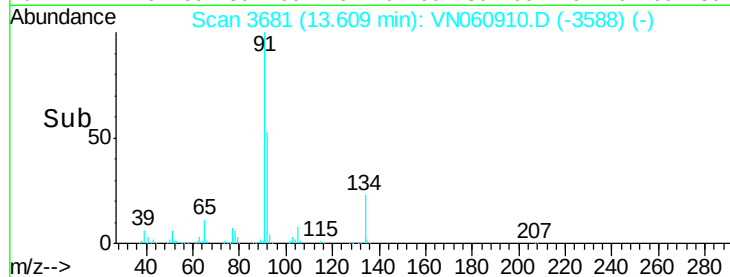
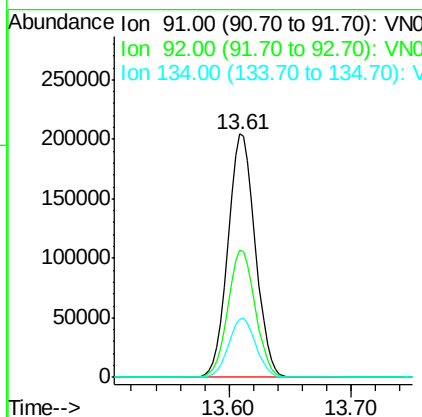
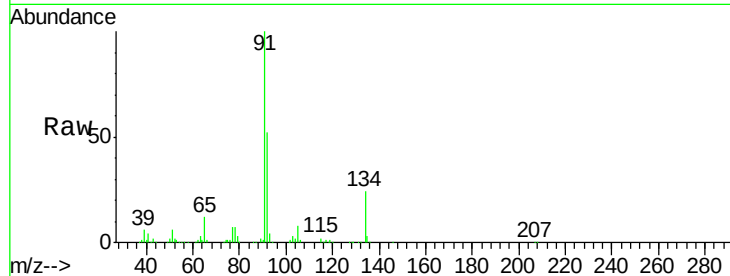
#89
n-Butylbenzene
Concen: 52.197 ug/l
RT: 13.61 min Scan# 3681
Delta R.T. -0.00 min
Lab File: VN060910.D
Acq: 13 Apr 2020 19:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.5	26.2	78.5
134	24.3	12.3	36.9

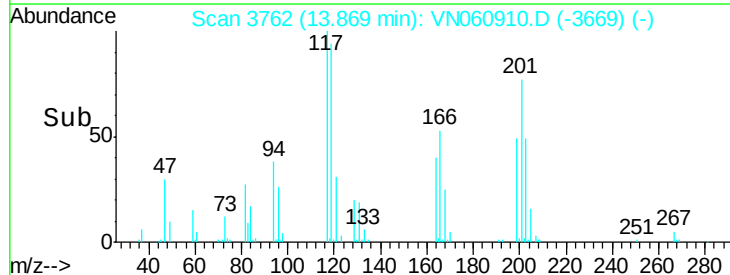
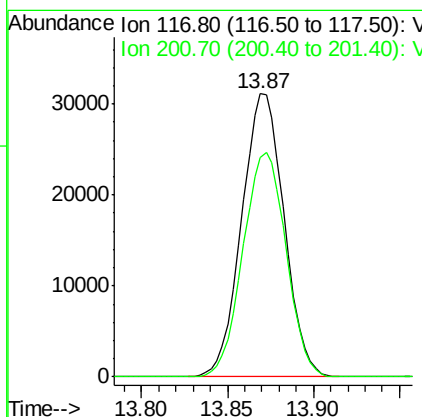
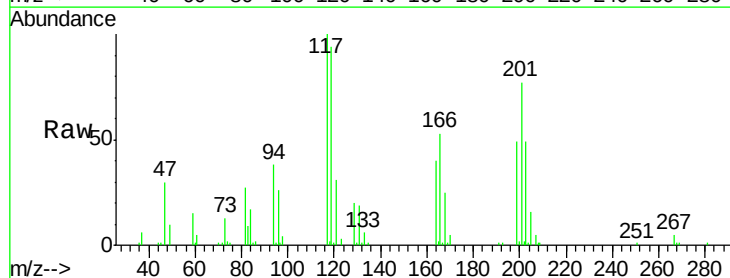
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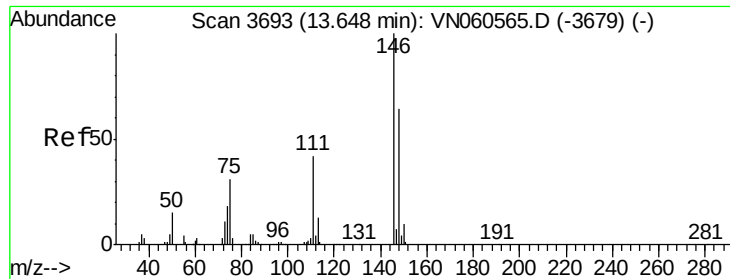
MMDadoda
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#90
Hexachloroethane
Concen: 54.171 ug/l
RT: 13.87 min Scan# 3762
Delta R.T. -0.00 min
Lab File: VN060910.D
Acq: 13 Apr 2020 19:37

Tgt Ion	Ratio	Lower	Upper
117	100		
201	80.4	40.8	122.5





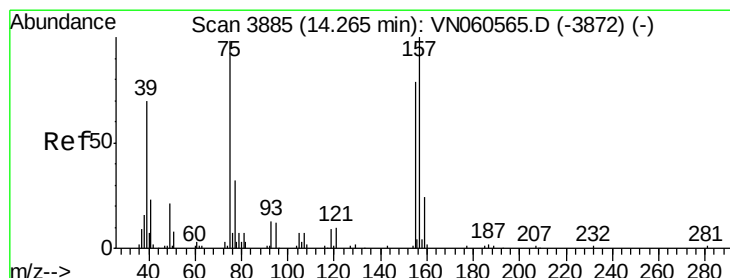
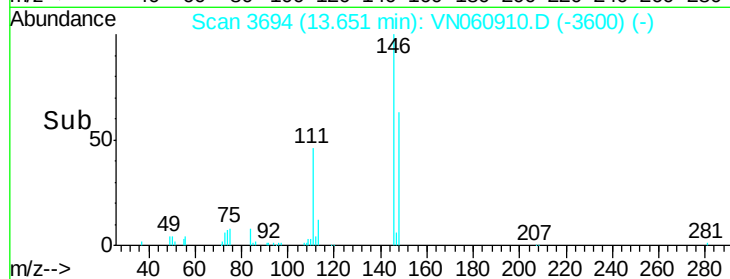
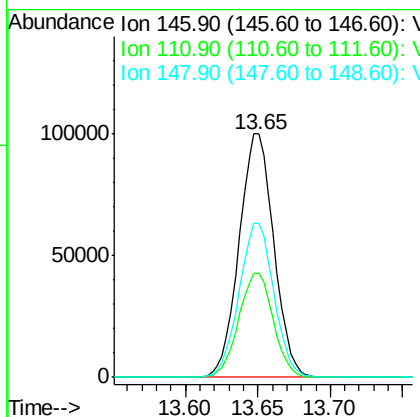
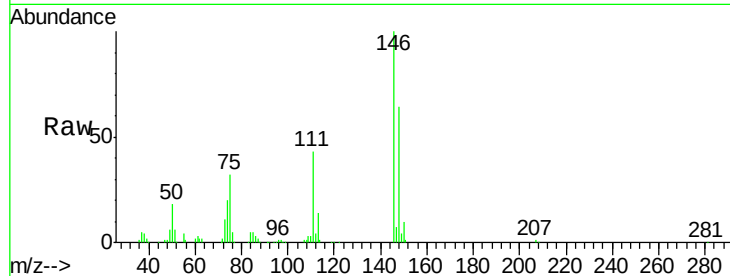
#91
 1,2-Dichlorobenzene
 Concen: 51.429 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN060910.D
 Acq: 13 Apr 2020 19:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.6	21.0	63.0
148	63.4	31.9	95.5

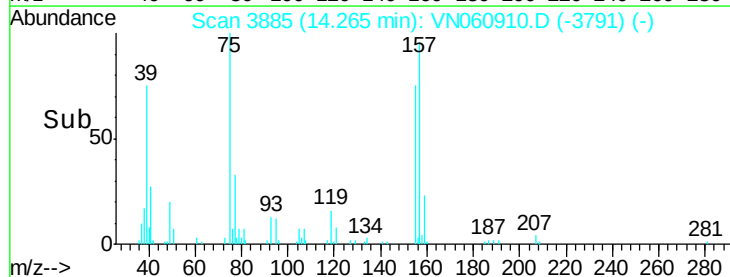
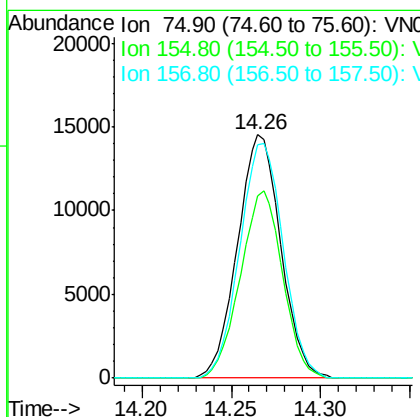
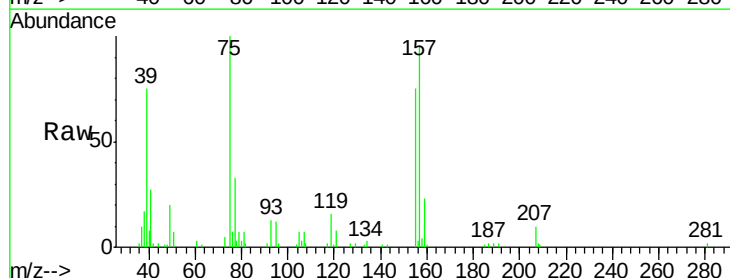
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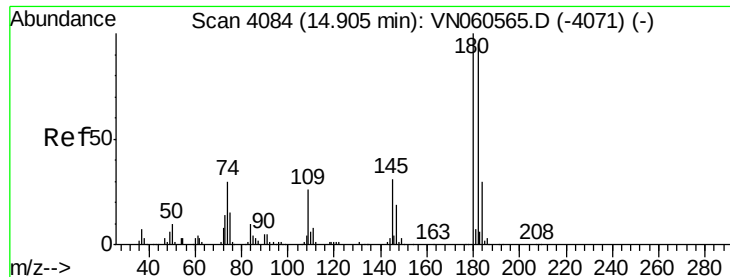
MMDadoda
 4/14/2020 10:10:48 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 48.612 ug/l
 RT: 14.26 min Scan# 3885
 Delta R.T. 0.00 min
 Lab File: VN060910.D
 Acq: 13 Apr 2020 19:37

Tgt Ion	Ratio	Lower	Upper
75	100		
155	75.2	40.7	122.1
157	97.2	51.5	154.7





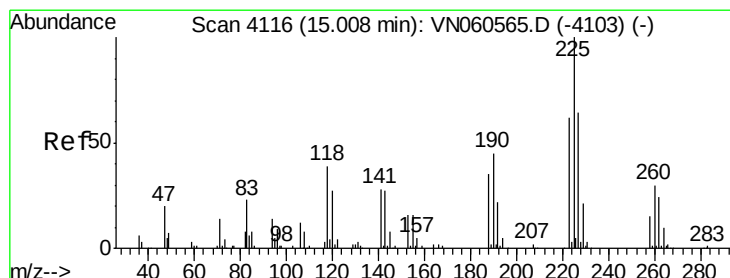
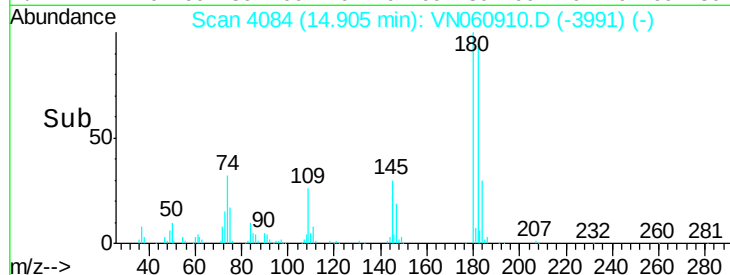
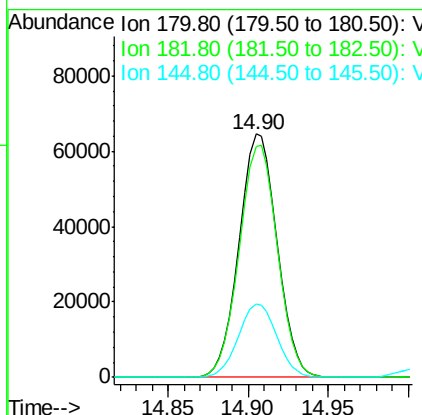
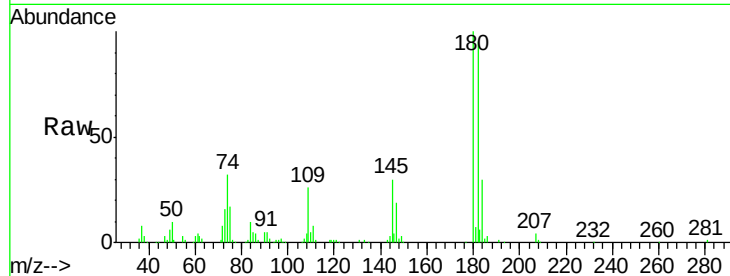
#93
 1,2,4-Trichlorobenzene
 Concen: 52.524 ug/l
 RT: 14.90 min Scan# 4084
 Delta R.T. -0.00 min
 Lab File: VN060910.D
 Acq: 13 Apr 2020 19:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.8	47.9	143.8
145	30.5	15.4	46.2

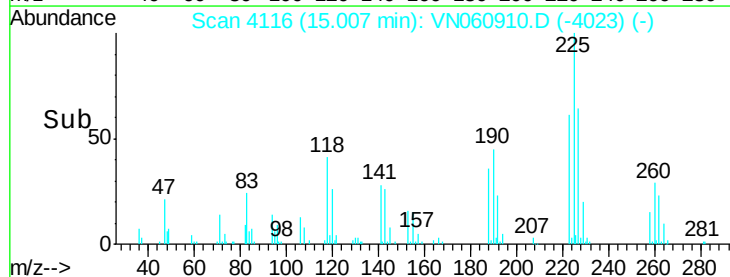
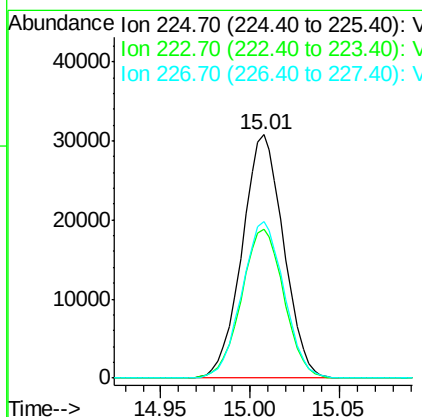
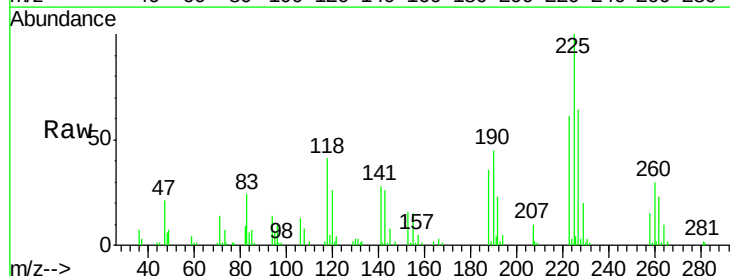
Manual Integrations
 APPROVED

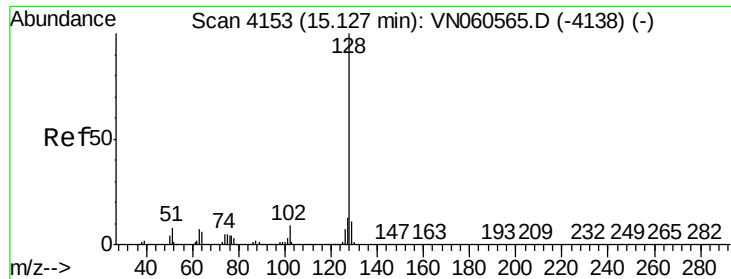
MMDadoda
 4/14/2020 10:10:48 AM



#94
 Hexachlorobutadiene
 Concen: 51.528 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN060910.D
 Acq: 13 Apr 2020 19:37

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.3	31.6	95.0
227	65.0	32.3	96.8





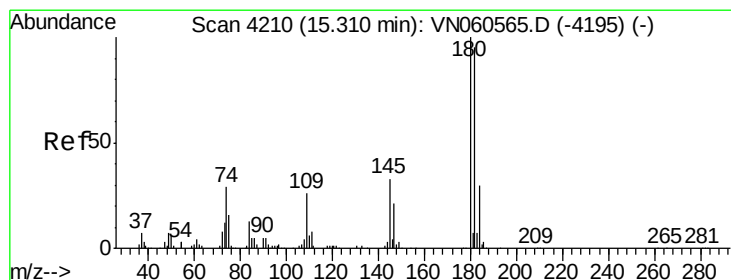
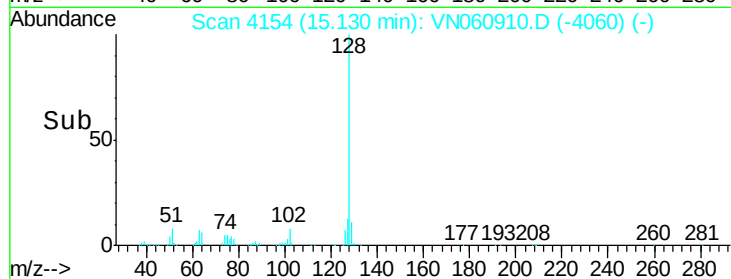
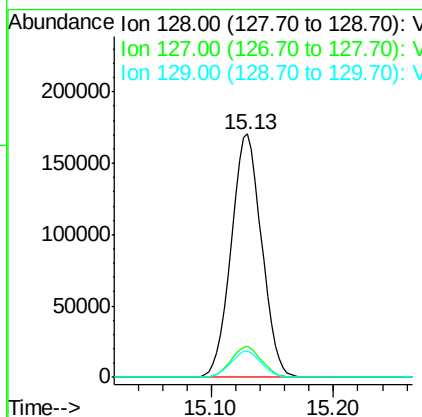
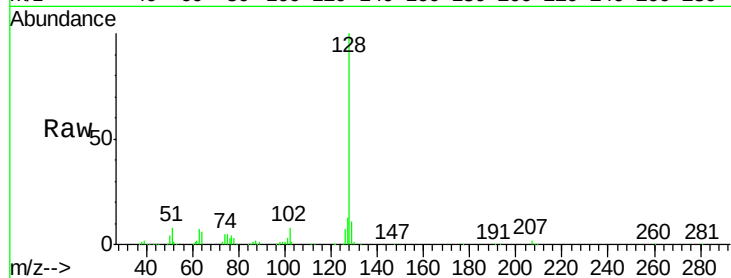
#95
Naphthalene
Concen: 49.457 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN060910.D
Acq: 13 Apr 2020 19:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
128	100	295453		
127	12.6		10.2	15.2
129	10.8		8.8	13.2

Manual Integrations
APPROVED

MMDadoda
4/14/2020 10:10:48 AM



#96
1,2,3-Trichlorobenzene
Concen: 50.966 ug/l
RT: 15.31 min Scan# 4210
Delta R.T. -0.00 min
Lab File: VN060910.D
Acq: 13 Apr 2020 19:37

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	99706		
182	94.3		47.5	142.6
145	32.2		16.3	48.8

