

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN020720\
 Data File : VN060032.D
 Acq On : 7 Feb 2020 16:06
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 2/10/2020 9:32:33 AM

Quant Time: Feb 07 23:56:14 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N011320W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jan 18 03:09:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	182684	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	284495	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	265173	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	139746	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.00	65	105158	51.83	ug/l	0.00
Spiked Amount						
			Recovery	=	103.66%	
35) Dibromofluoromethane	7.56	113	88115	51.94	ug/l	0.00
Spiked Amount						
			Recovery	=	103.88%	
50) Toluene-d8	10.08	98	330291	50.25	ug/l	0.00
Spiked Amount						
			Recovery	=	100.50%	
62) 4-Bromofluorobenzene	12.40	95	128546	54.25	ug/l	0.00
Spiked Amount						
			Recovery	=	108.50%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	82567	38.212	ug/l	99
3) Chloromethane	2.04	50	83099	39.732	ug/l	98
4) Vinyl Chloride	2.17	62	110113	46.014	ug/l	96
5) Bromomethane	2.54	94	67662	46.331	ug/l	97
6) Chloroethane	2.68	64	53385	47.153	ug/l	95
7) Trichlorofluoromethane	3.00	101	135126	47.018	ug/l	97
8) Diethyl Ether	3.38	74	49986	49.561	ug/l	86
9) 1,1,2-Trichlorotrifluoroet	3.74	101	81067	50.682	ug/l	93
10) Methyl Iodide	3.93	142	104195	40.301	ug/l	96
11) Tert butyl alcohol	4.73	59	76783	224.821	ug/l	99
12) 1,1-Dichloroethene	3.72	96	74599	44.634	ug/l	91
13) Acrolein	3.57	56	120725	499.356	ug/l	97
14) Allyl chloride	4.29	41	107405	47.676	ug/l #	83
15) Acrylonitrile	4.94	53	202012	259.303	ug/l	100
16) Acetone	3.78	43	173385	250.599	ug/l	95
17) Carbon Disulfide	4.03	76	169940	35.693	ug/l	100
18) Methyl Acetate	4.28	43	124352	52.475	ug/l	93
19) Methyl tert-butyl Ether	5.00	73	282901	51.914	ug/l	95
20) Methylene Chloride	4.52	84	89644	48.809	ug/l	90
21) trans-1,2-Dichloroethene	5.01	96	81043	45.616	ug/l	89
22) Diisopropyl ether	5.91	45	268910	52.673	ug/l #	96
23) Vinyl Acetate	5.86	43	1007280	254.832	ug/l	96
24) 1,1-Dichloroethane	5.82	63	157809	50.589	ug/l	97
25) 2-Butanone	6.80	43	266150	231.663	ug/l	91
26) 2,2-Dichloropropane	6.79	77	153818	51.290	ug/l	98
27) cis-1,2-Dichloroethene	6.80	96	102866	50.339	ug/l	89
28) Bromochloromethane	7.17	49	59926	48.064	ug/l #	77
29) Tetrahydrofuran	7.18	42	172518	242.700	ug/l	90
30) Chloroform	7.35	83	170196	52.658	ug/l	99
31) Cyclohexane	7.63	56	125924	41.951	ug/l	89
32) 1,1,1-Trichloroethane	7.54	97	152724	51.105	ug/l	97
36) 1,1-Dichloropropene	7.77	75	118573	47.860	ug/l	96
37) Ethyl Acetate	6.89	43	109738	47.226	ug/l	95
38) Carbon Tetrachloride	7.75	117	133368	49.487	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	140209	45.898	ug/l	93
40) Benzene	8.02	78	359912	48.711	ug/l	99
41) Methacrylonitrile	7.15	41	56520m	49.382	ug/l	
42) 1,2-Dichloroethane	8.10	62	133972	53.478	ug/l	98
43) Isopropyl Acetate	8.14	43	199670	49.958	ug/l	96
44) Trichloroethene	8.82	130	99411	49.285	ug/l	94
45) 1,2-Dichloropropane	9.10	63	96378	52.713	ug/l	99
46) Dibromomethane	9.19	93	67598	52.412	ug/l	93
47) Bromodichloromethane	9.38	83	140978	54.243	ug/l	100
48) Methyl methacrylate	9.18	41	86608	48.445	ug/l	89
49) 1,4-Dioxane	9.18	88	33050	1009.856	ug/l	92
51) 4-Methyl-2-Pentanone	9.97	43	584381	252.932	ug/l	95
52) Toluene	10.14	92	234408	50.226	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	158435	54.595	ug/l	99
54) cis-1,3-Dichloropropene	9.82	75	163035	53.393	ug/l	94
55) 1,1,2-Trichloroethane	10.55	97	98759	53.428	ug/l	99
56) Ethyl methacrylate	10.42	69	144411	51.129	ug/l	93
57) 1,3-Dichloropropane	10.70	76	158173	53.899	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	238119	279.902	ug/l	92
59) 2-Hexanone	10.74	43	427158	250.959	ug/l	95
60) Dibromochloromethane	10.89	129	115667	54.951	ug/l	99
61) 1,2-Dibromoethane	11.00	107	101573	52.428	ug/l	100
64) Tetrachloroethene	10.62	164	95493	44.186	ug/l	97
65) Chlorobenzene	11.43	112	268040	51.427	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	105872	52.570	ug/l	98
67) Ethyl Benzene	11.50	91	476125	50.322	ug/l	99
68) m/p-Xylenes	11.62	106	359183	100.498	ug/l	95
69) o-Xylene	11.94	106	175749	50.228	ug/l	95
70) Styrene	11.96	104	295581	50.483	ug/l	97
71) Bromoform	12.12	173	87501	54.241	ug/l #	98
73) Isopropylbenzene	12.25	105	482755	47.103	ug/l	100
74) N-amyl acetate	12.06	43	182507	45.892	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.50	83	146728	49.384	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	128458m	54.621	ug/l	
77) Bromobenzene	12.52	156	122114	47.050	ug/l	84
78) n-propylbenzene	12.59	91	556079	48.341	ug/l	98
79) 2-Chlorotoluene	12.67	91	326280	47.678	ug/l	97
80) 1,3,5-Trimethylbenzene	12.73	105	406012	47.105	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.29	75	53095	48.483	ug/l	96
82) 4-Chlorotoluene	12.77	91	335087	48.818	ug/l	96
83) tert-Butylbenzene	12.99	119	352216	47.248	ug/l	96
84) 1,2,4-Trimethylbenzene	13.04	105	408367	47.890	ug/l	99
85) sec-Butylbenzene	13.17	105	475664	48.566	ug/l	100
86) p-Isopropyltoluene	13.28	119	441431	48.709	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	220867	48.990	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	219663	48.840	ug/l	98
89) n-Butylbenzene	13.61	91	393475	50.921	ug/l	99
90) Hexachloroethane	13.87	117	84055	49.572	ug/l	91
91) 1,2-Dichlorobenzene	13.65	146	216392	48.551	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	29750	46.504	ug/l	85

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	135705	50.671	ug/l	99
94) Hexachlorobutadiene	15.01	225	71569	48.494	ug/l	99
95) Naphthalene	15.13	128	355355	46.649	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	130236	49.960	ug/l	99

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

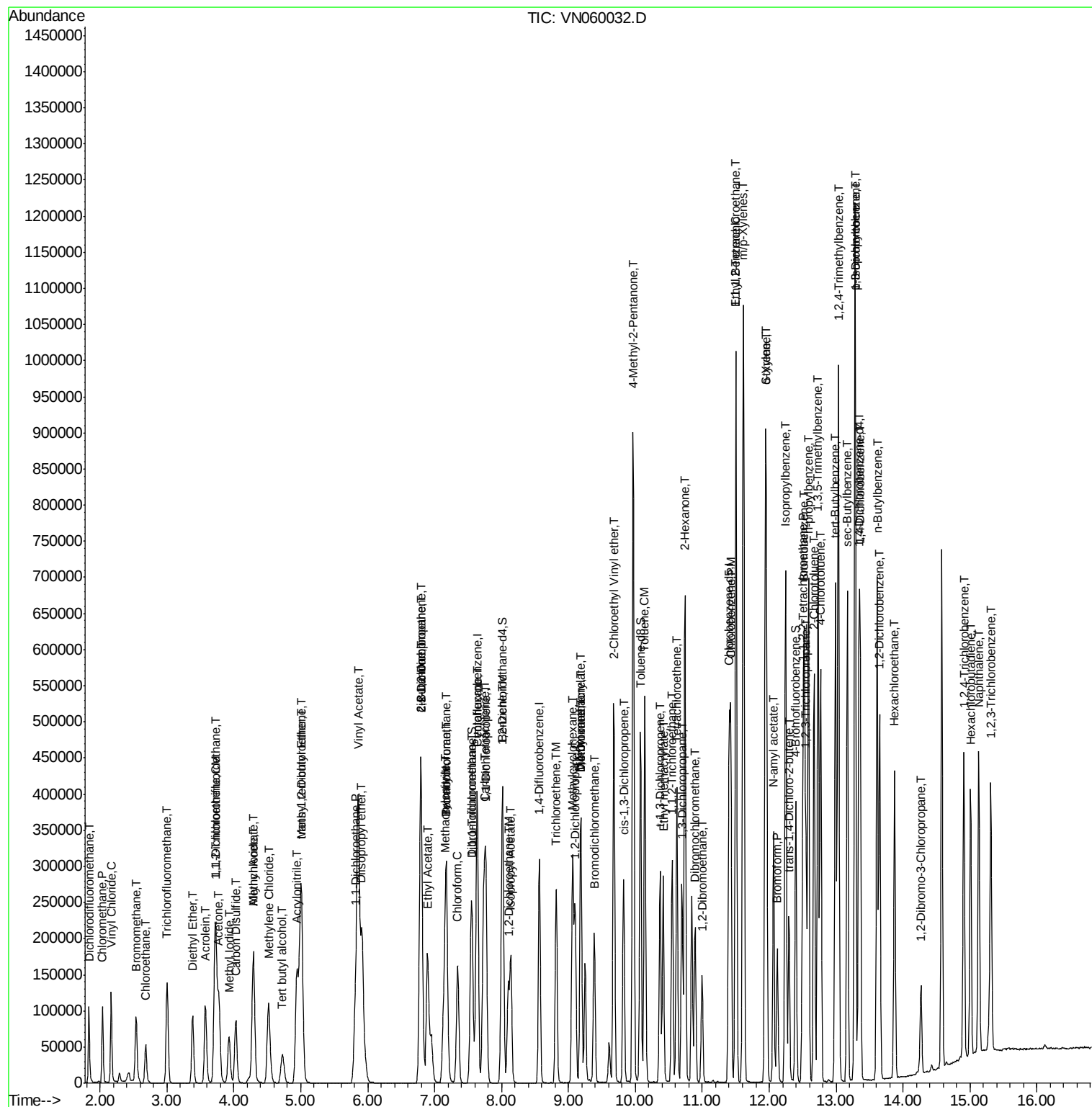
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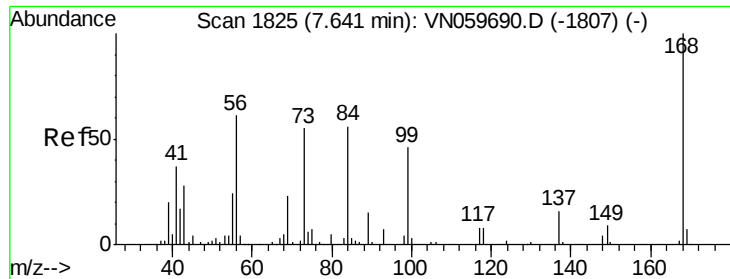
Instrument :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. 0.00 min

Lab File: VN060032.D

Acq: 7 Feb 2020 16:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 182684

Ion Ratio Lower Upper

168 100

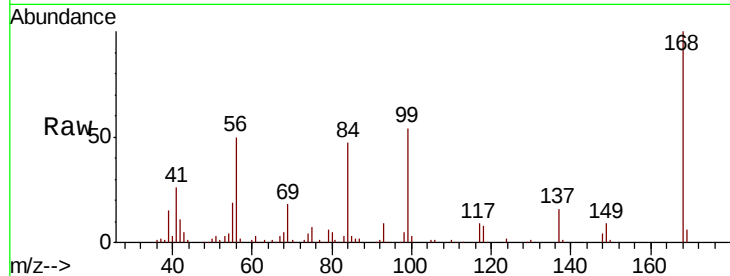
99 53.8 48.2 72.4

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

7.64

80000

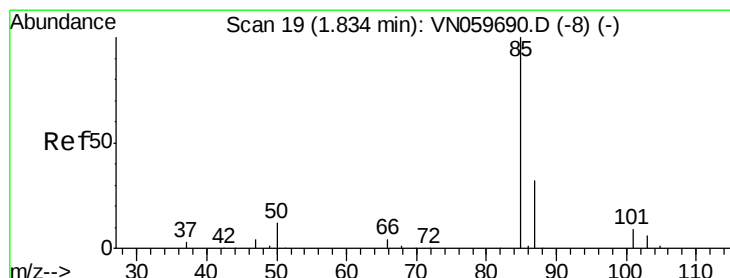
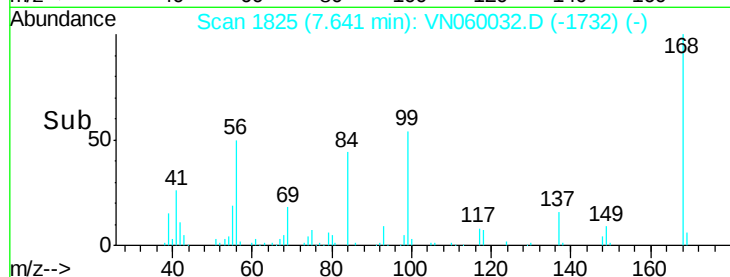
60000

40000

20000

0

Time--> 7.50 7.60 7.70



#2

Dichlorodifluoromethane

Concen: 38.212 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN060032.D

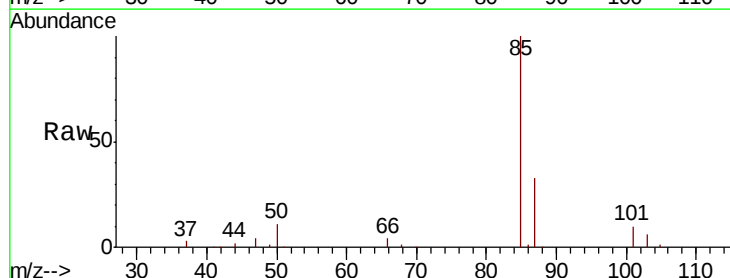
Acq: 7 Feb 2020 16:06

Tgt Ion: 85 Resp: 82567

Ion Ratio Lower Upper

85 100

87 32.6 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.83

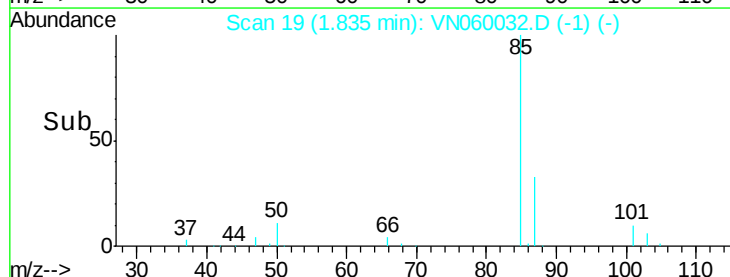
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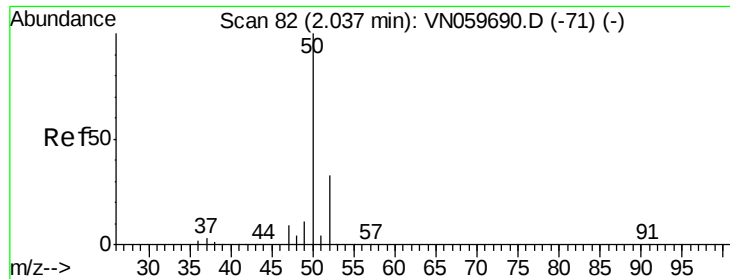
40000

20000

0

Time--> 1.75 1.80 1.85 1.90





#3

Chloromethane

Concen: 39.732 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN060032.D

Acq: 7 Feb 2020 16:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 83099

Ion Ratio Lower Upper

50 100

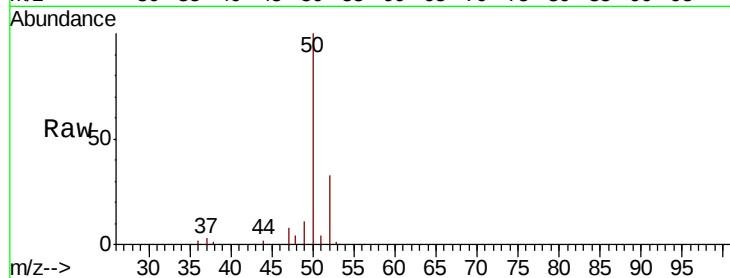
52 33.3 25.9 38.9

Manual Integrations

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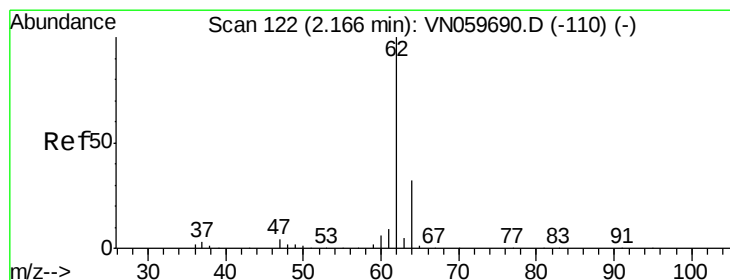
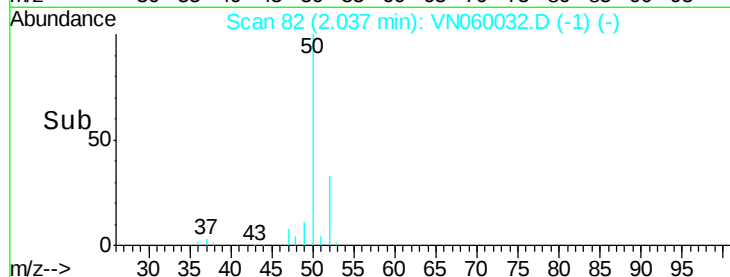
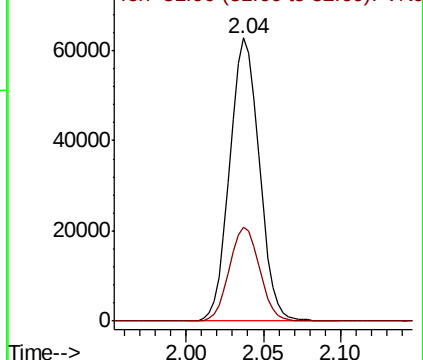
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Abundance Ion 49.90 (49.60 to 50.60): VNC

Ion 51.90 (51.60 to 52.60): VNC



#4

Vinyl Chloride

Concen: 46.014 ug/l

RT: 2.17 min Scan# 122

Delta R.T. 0.00 min

Lab File: VN060032.D

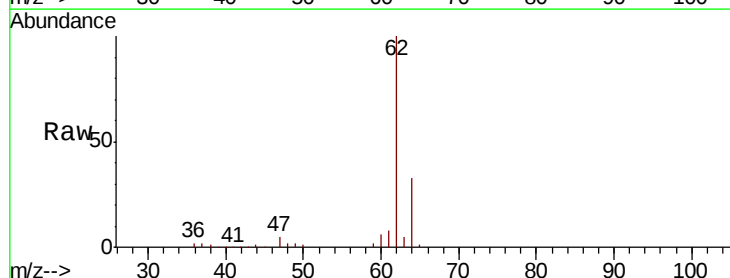
Acq: 7 Feb 2020 16:06

Tgt Ion: 62 Resp: 110113

Ion Ratio Lower Upper

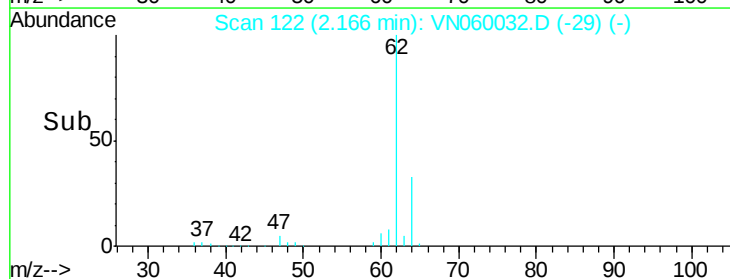
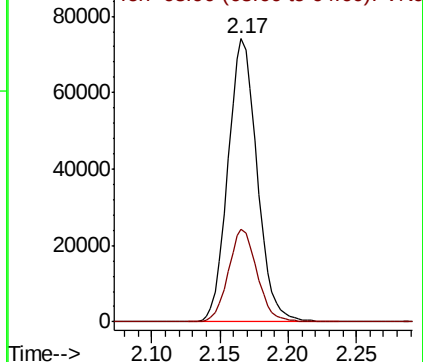
62 100

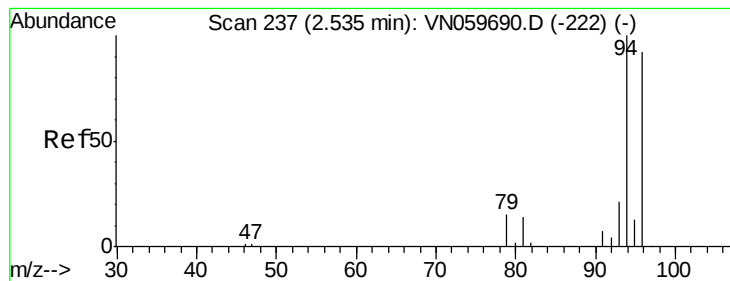
64 32.9 24.6 37.0



Abundance Ion 61.90 (61.60 to 62.60): VNC

Ion 63.90 (63.60 to 64.60): VNC





#5

Bromomethane

Concen: 46.331 ug/l

RT: 2.54 min Scan# 238

Delta R.T. 0.00 min

Lab File: VN060032.D

Acq: 7 Feb 2020 16:06

Instrument :

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Tot Ion: 94 Resp: 67662

Ion Ratio Lower Upper

94 100

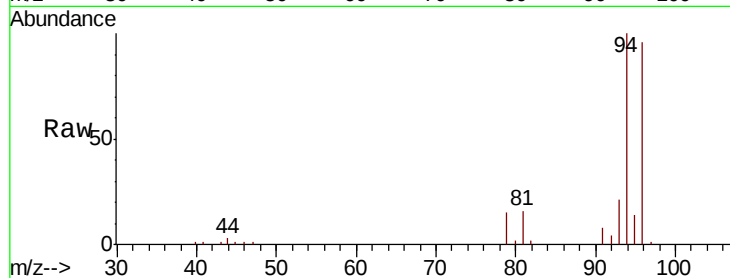
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Manual Integrations

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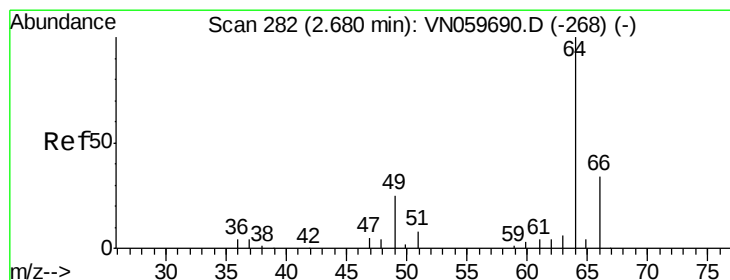
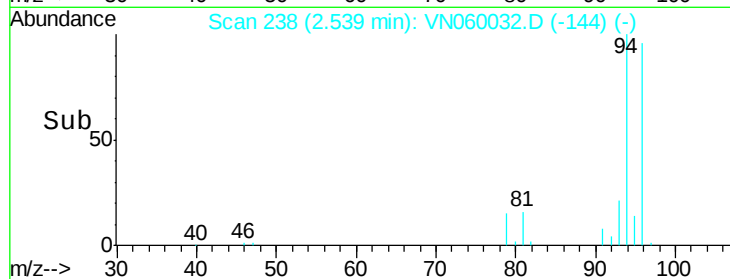
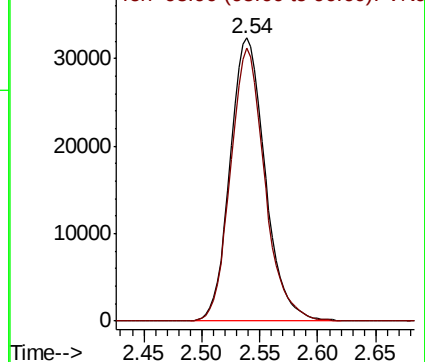
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Abundance Ion 93.90 (93.60 to 94.60): VNC

Ion 95.90 (95.60 to 96.60): VNC



#6

Chloroethane

Concen: 47.153 ug/l

RT: 2.68 min Scan# 283

Delta R.T. 0.00 min

Lab File: VN060032.D

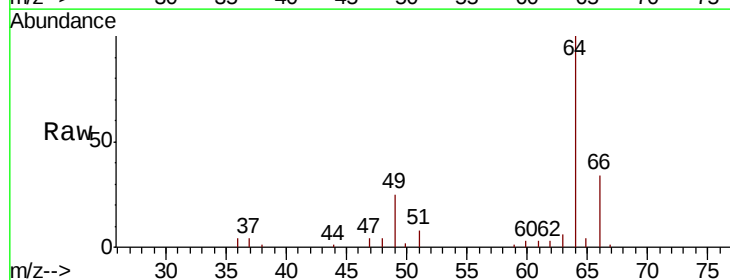
Acq: 7 Feb 2020 16:06

Tgt Ion: 64 Resp: 53385

Ion Ratio Lower Upper

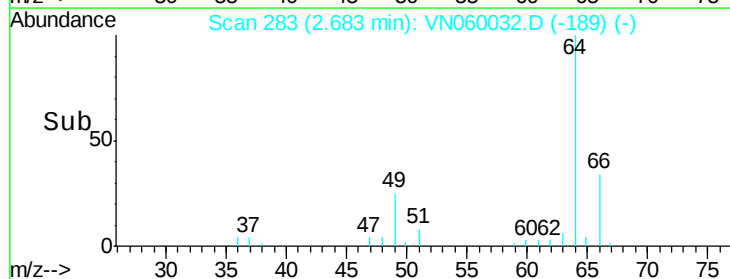
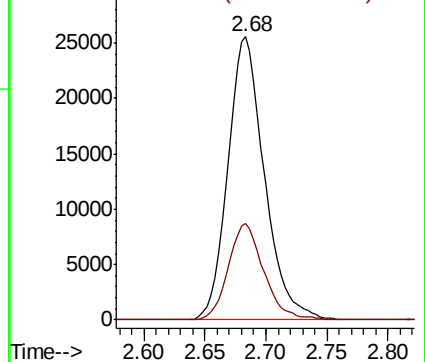
64 100

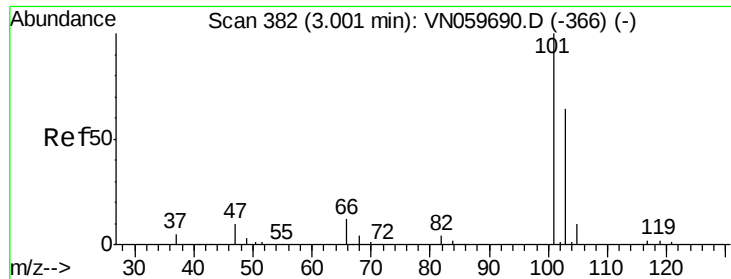
66 34.0 25.1 37.7



Abundance Ion 63.90 (63.60 to 64.60): VNC

Ion 65.90 (65.60 to 66.60): VNC





#7

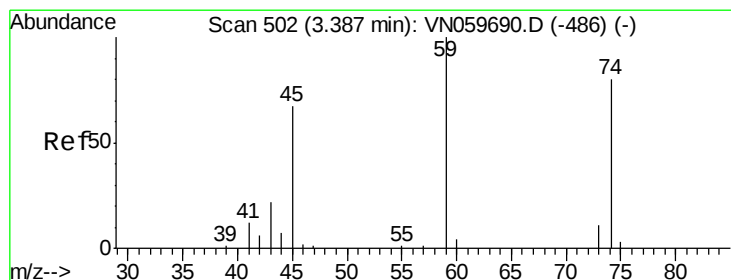
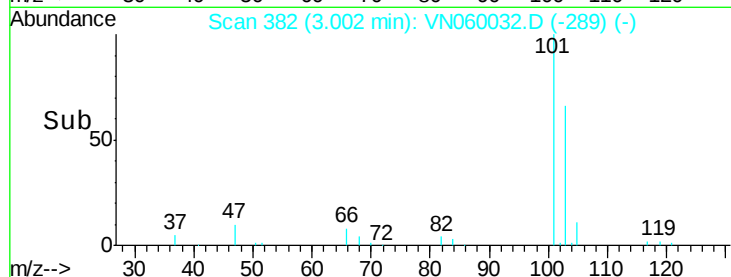
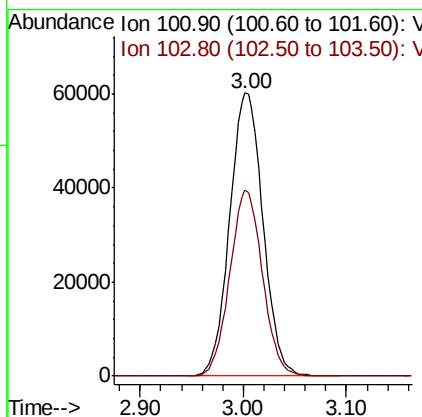
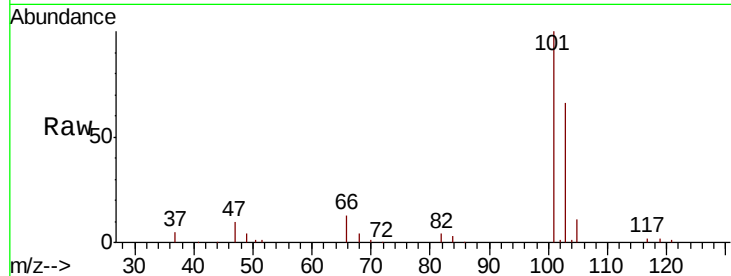
Trichlorofluoromethane
 Concen: 47.018 ug/l
 RT: 3.00 min Scan# 382
 Delta R.T. 0.00 min
 Lab File: VN060032.D
 Acq: 7 Feb 2020 16:06

Instrument :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	65.9	51.0	76.6

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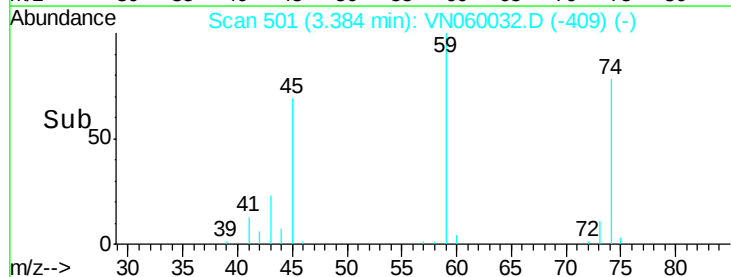
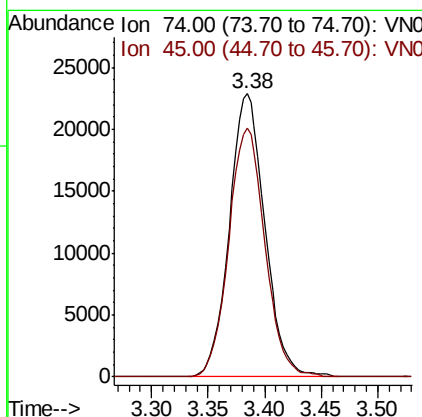
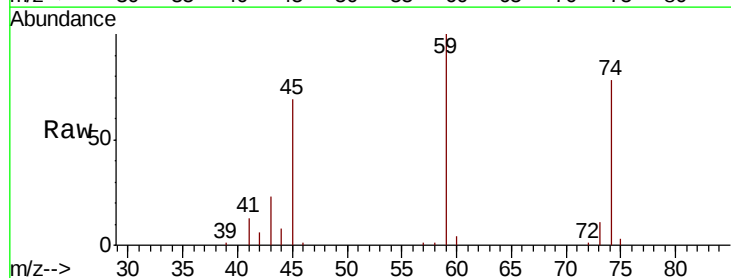
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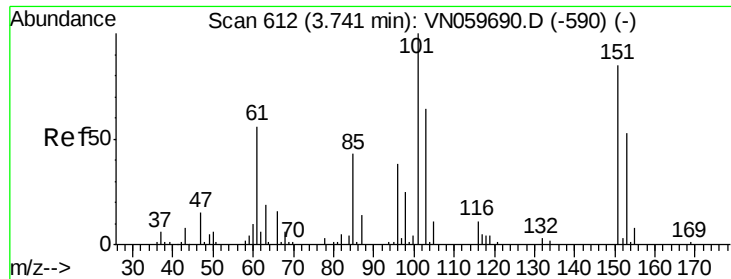


#8

Diethyl Ether
 Concen: 49.561 ug/l
 RT: 3.38 min Scan# 501
 Delta R.T. -0.00 min
 Lab File: VN060032.D
 Acq: 7 Feb 2020 16:06

Tgt Ion	Ratio	Lower	Upper
74	100		
45	89.5	51.9	155.8





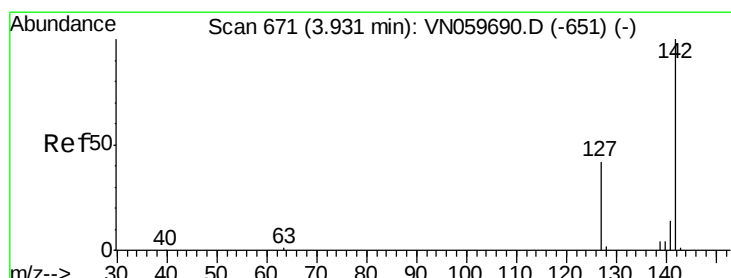
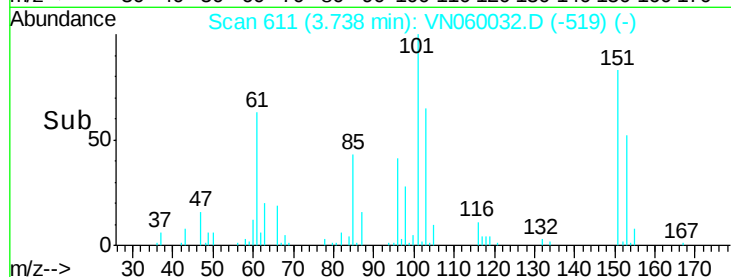
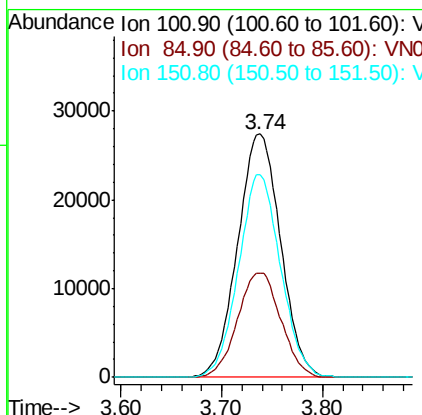
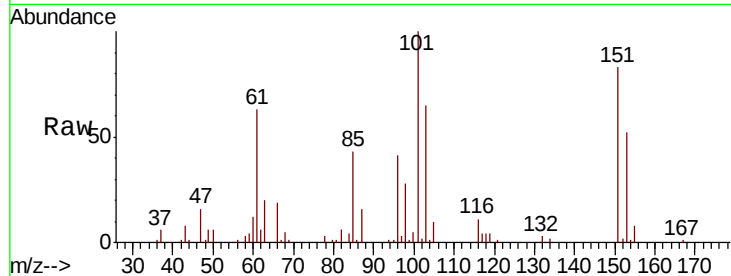
#9
1,1,2-Trichlorotrifluoroethane
Concen: 50.682 ug/l
RT: 3.74 min Scan# 611
Delta R.T. -0.00 min
Lab File: VN060032.D
Acq: 7 Feb 2020 16:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
85	43.1	36.6	54.8
151	81.6	59.7	89.5

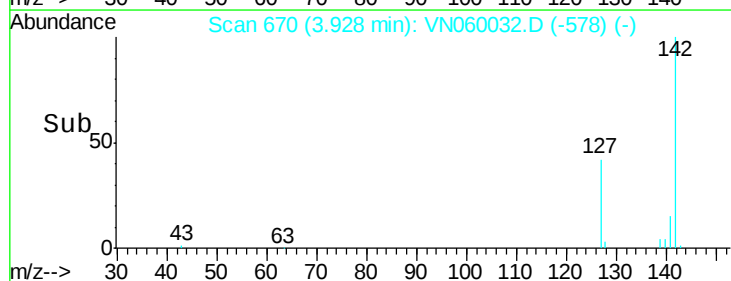
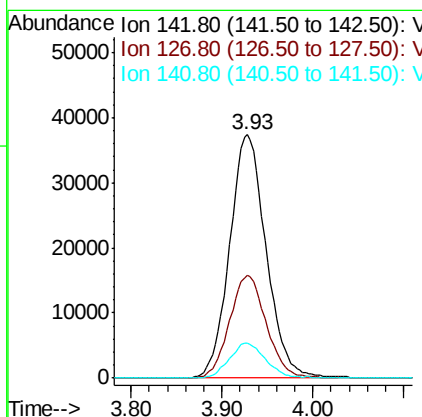
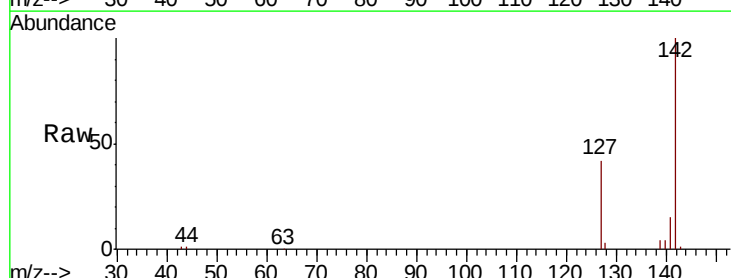
Manual Integrations
APPROVED

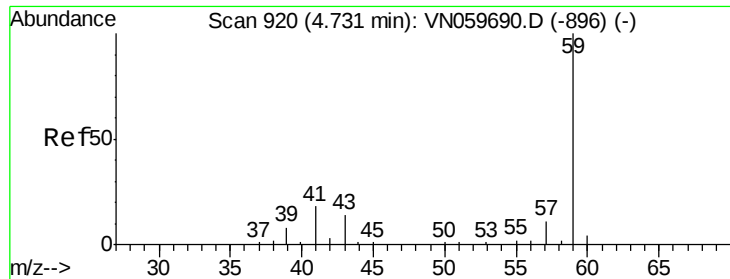
MMDadoda
2/10/2020 9:32:33 AM



#10
Methyl Iodide
Concen: 40.301 ug/l
RT: 3.93 min Scan# 670
Delta R.T. -0.00 min
Lab File: VN060032.D
Acq: 7 Feb 2020 16:06

Tgt Ion	Ratio	Lower	Upper
142	100		
127	42.4	36.7	55.1
141	14.3	11.7	17.5





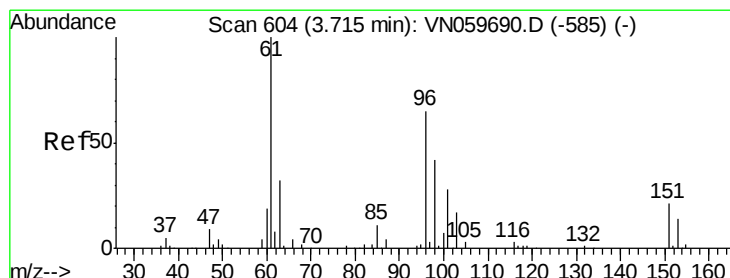
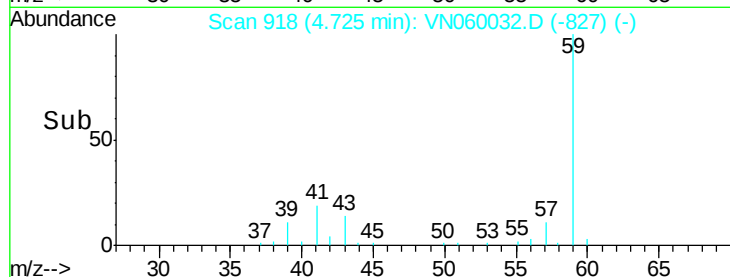
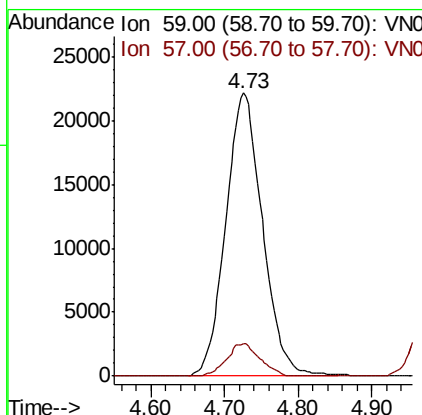
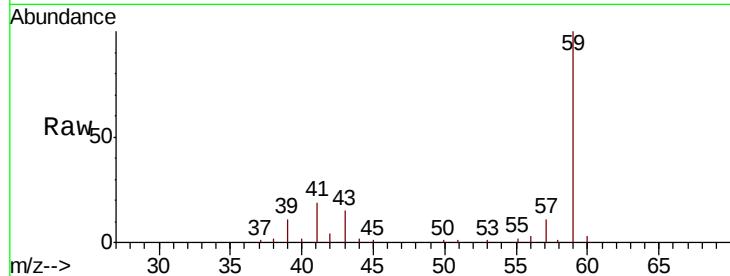
#11
Tert butyl alcohol
Concen: 224.821 ug/l
RT: 4.73 min Scan# 918
Delta R.T. -0.01 min
Lab File: VN060032.D
Acq: 7 Feb 2020 16:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 59 Resp: 76783
Ion Ratio Lower Upper
59 100
57 10.4 8.6 12.8

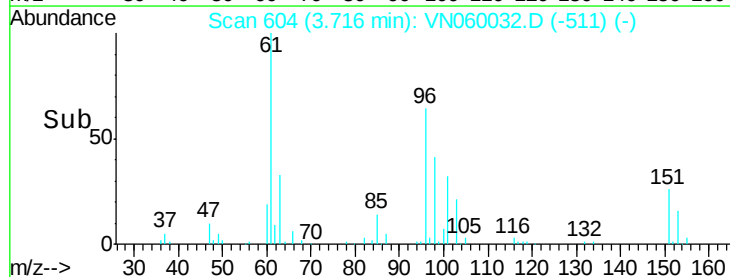
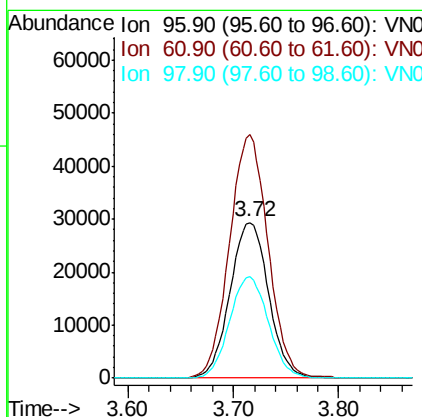
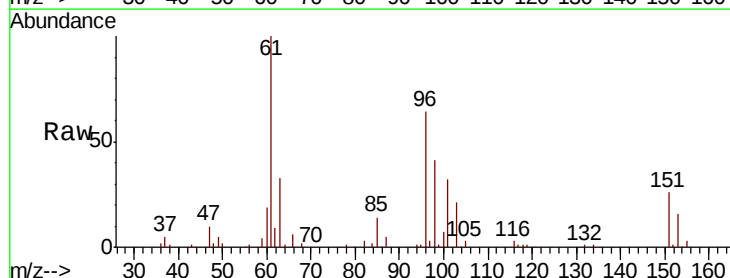
Manual Integrations
APPROVED

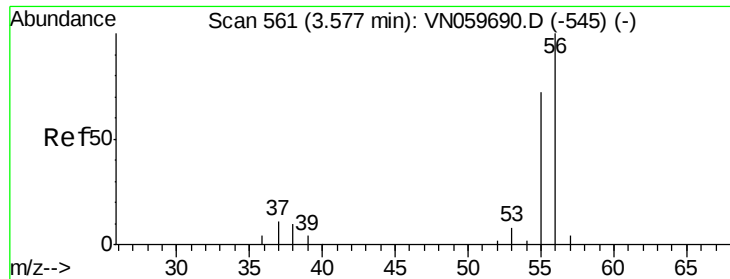
MMDadoda
2/10/2020 9:32:33 AM



#12
1,1-Dichloroethene
Concen: 44.634 ug/l
RT: 3.72 min Scan# 604
Delta R.T. 0.00 min
Lab File: VN060032.D
Acq: 7 Feb 2020 16:06

Tgt Ion: 96 Resp: 74599
Ion Ratio Lower Upper
96 100
61 156.1 137.5 206.3
98 65.0 50.2 75.4





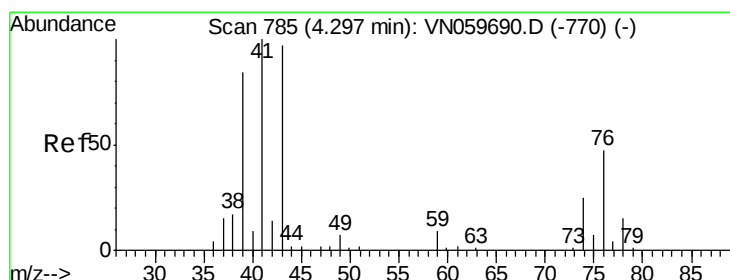
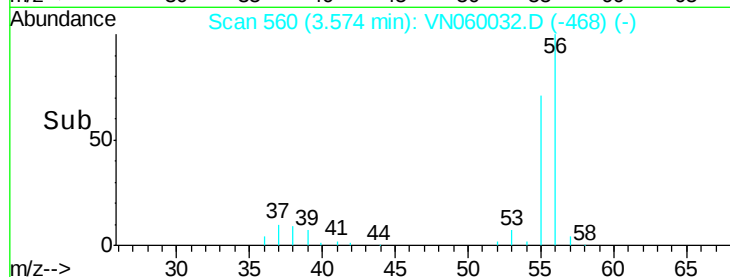
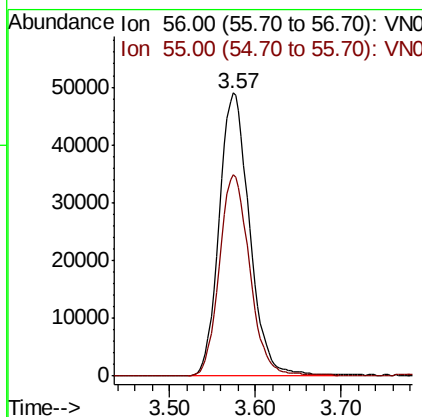
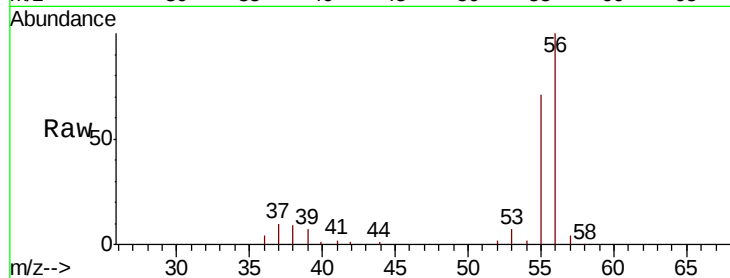
#13
Acrolein
Concen: 499.356 ug/l
RT: 3.57 min Scan# 560
Delta R.T. -0.00 min
Lab File: VN060032.D
Acq: 7 Feb 2020 16:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 56 Resp: 120725
Ion Ratio Lower Upper
56 100
55 70.9 58.6 88.0

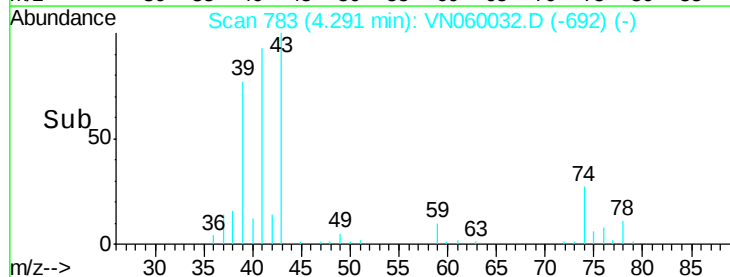
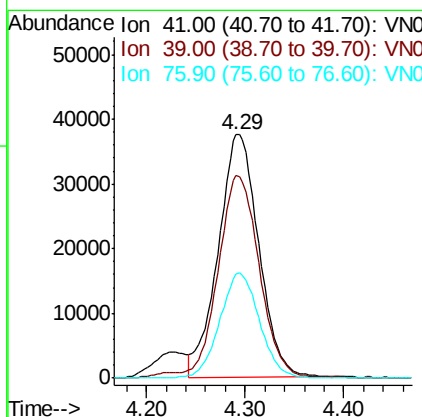
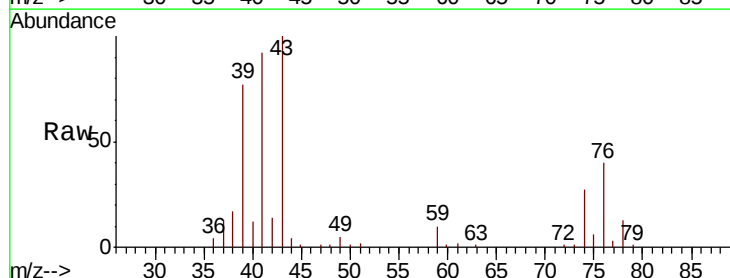
Manual Integrations
APPROVED

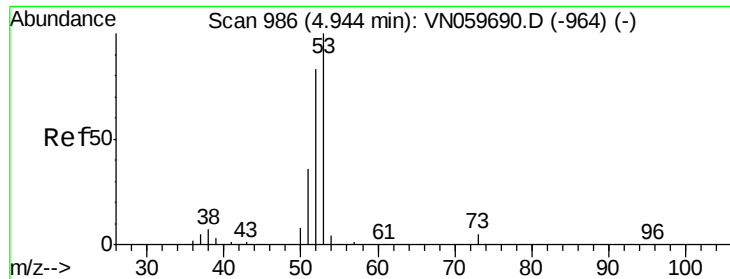
MMDadoda
2/10/2020 9:32:33 AM



#14
Allyl chloride
Concen: 47.676 ug/l
RT: 4.29 min Scan# 783
Delta R.T. -0.01 min
Lab File: VN060032.D
Acq: 7 Feb 2020 16:06

Tgt Ion: 41 Resp: 107405
Ion Ratio Lower Upper
41 100
39 86.1 57.8 86.8
76 42.5 25.4 38.0#





#15

Acrylonitrile

Concen: 259.303 ug/l

RT: 4.94 min Scan# 985

Delta R.T. -0.00 min

Lab File: VN060032.D

Acq: 7 Feb 2020 16:06

Instrument :

MSVOA_N

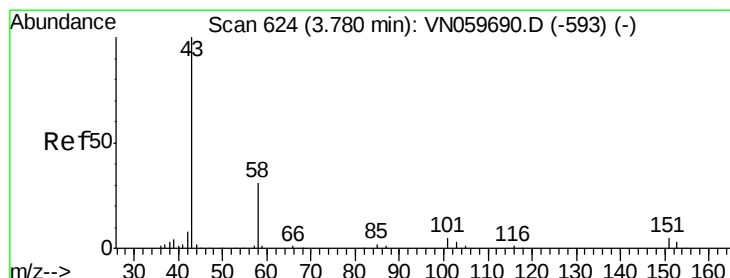
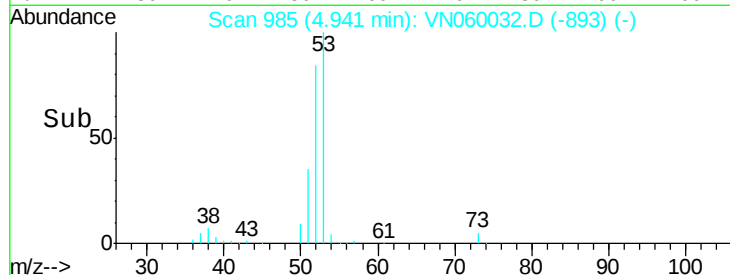
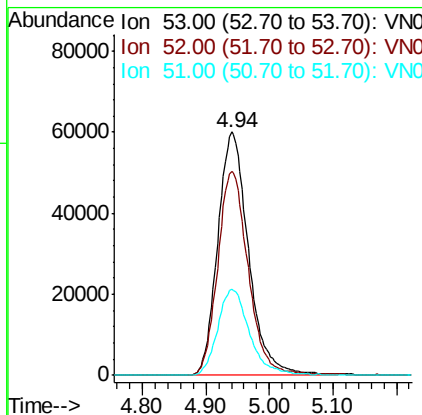
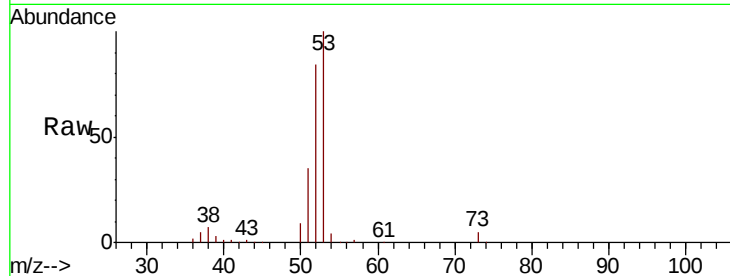
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	202012
Ion Ratio	Lower	Upper	
53	100		
52	82.6	66.3	99.5
51	36.7	29.7	44.5

Manual Integrations
APPROVED

MMDadoda
2/10/2020 9:32:33 AM



#16

Acetone

Concen: 250.599 ug/l

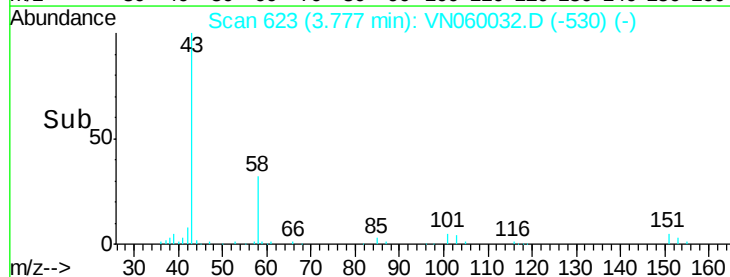
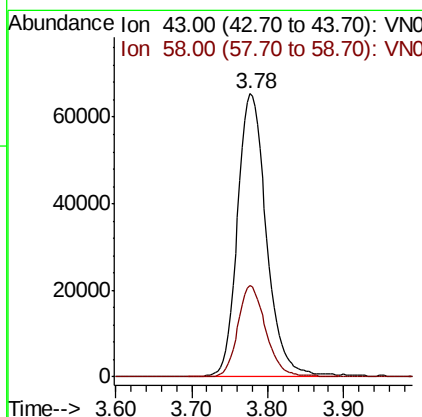
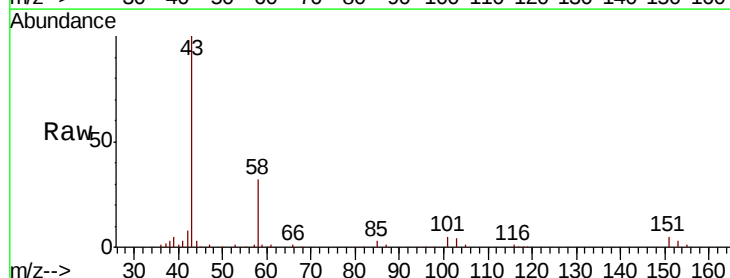
RT: 3.78 min Scan# 623

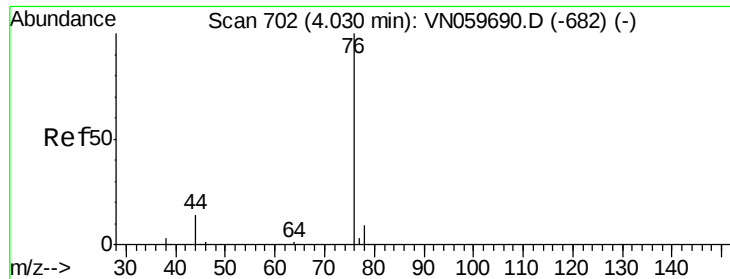
Delta R.T. -0.00 min

Lab File: VN060032.D

Acq: 7 Feb 2020 16:06

Tgt Ion:	43	Resp:	173385
Ion Ratio	Lower	Upper	
43	100		
58	32.2	23.6	35.4





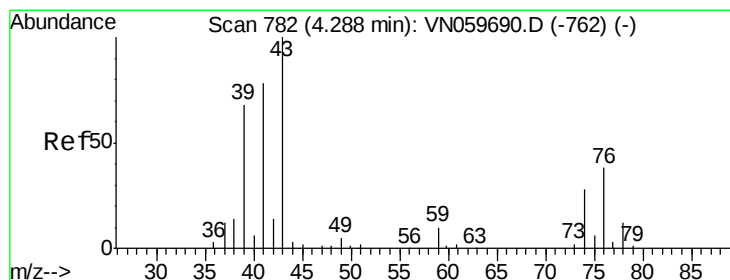
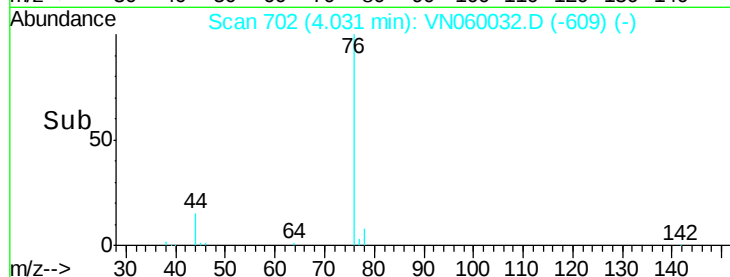
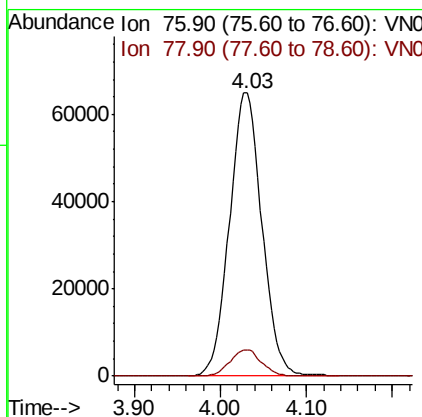
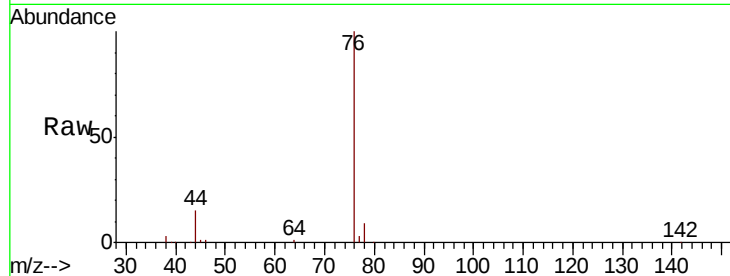
#17
Carbon Disulfide
Concen: 35.693 ug/l
RT: 4.03 min Scan# 702
Delta R.T. 0.00 min
Lab File: VN060032.D
Acq: 7 Feb 2020 16:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.4	11.0

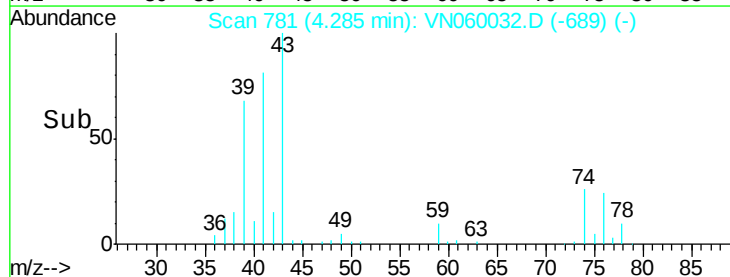
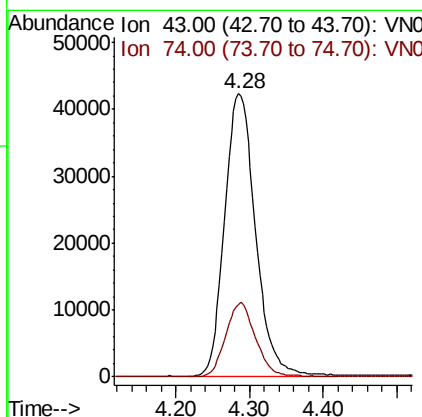
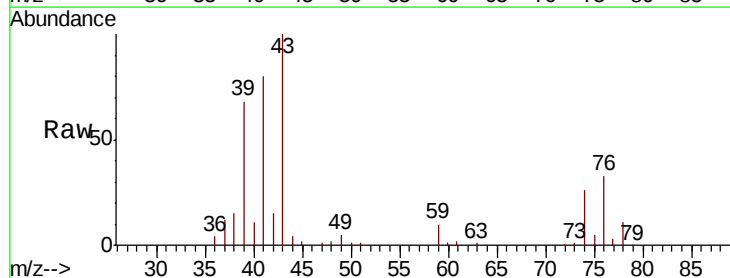
Manual Integrations
APPROVED

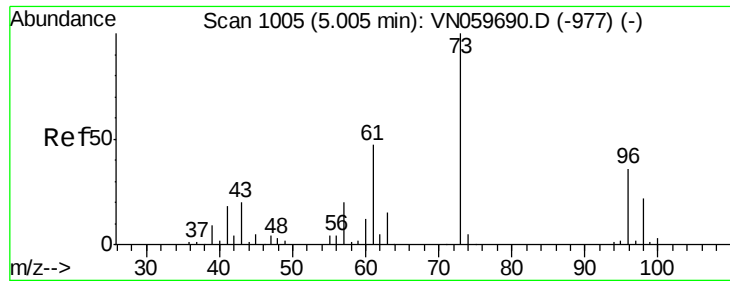
MMDadoda
2/10/2020 9:32:33 AM



#18
Methyl Acetate
Concen: 52.475 ug/l
RT: 4.28 min Scan# 781
Delta R.T. -0.00 min
Lab File: VN060032.D
Acq: 7 Feb 2020 16:06

Tgt Ion	Ratio	Lower	Upper
43	100		
74	25.1	17.5	26.3





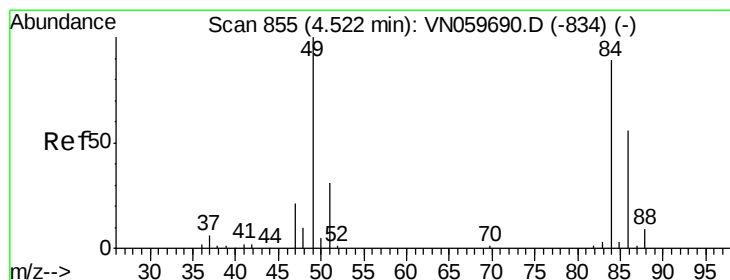
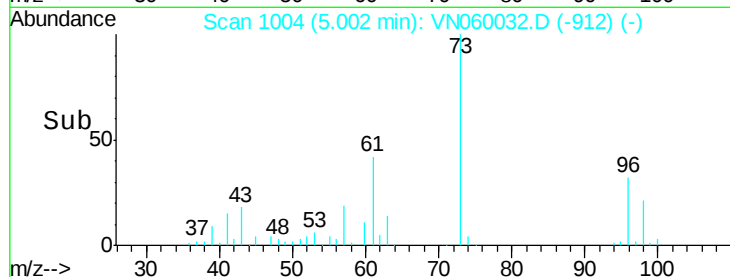
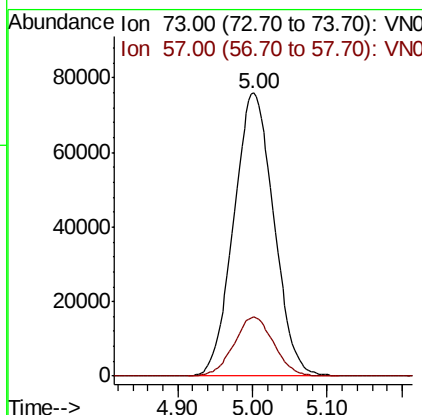
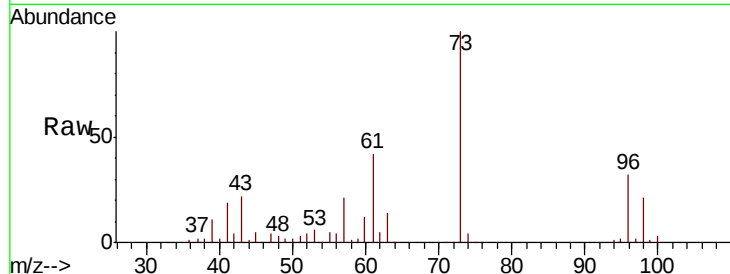
#19
Methyl tert-butyl Ether
Concen: 51.914 ug/l
RT: 5.00 min Scan# 1004
Delta R.T. -0.00 min
Lab File: VN060032.D
Acq: 7 Feb 2020 16:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 282901
Ion Ratio Lower Upper
73 100
57 21.0 18.6 27.8

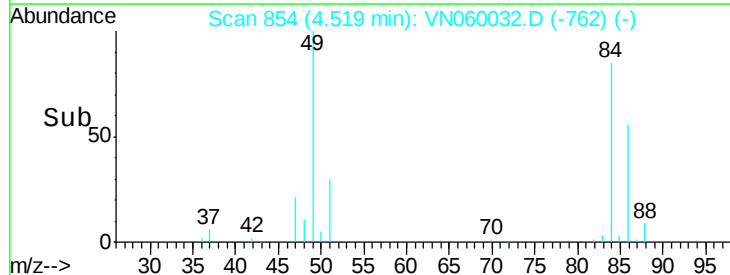
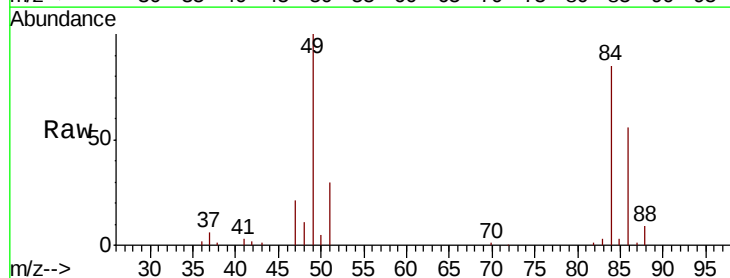
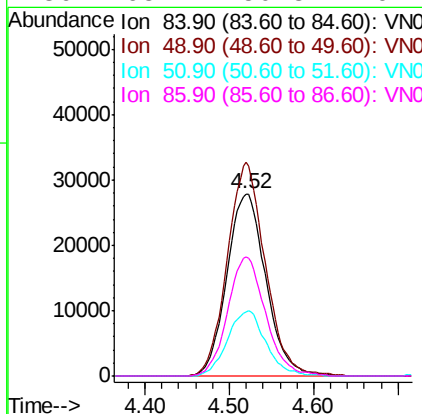
Manual Integrations
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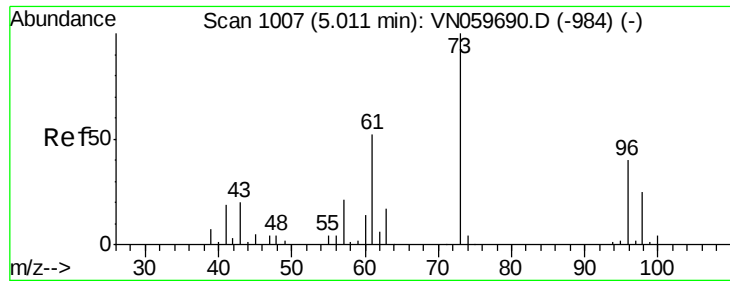
MMDadoda
2/10/2020 9:32:33 AM



#20
Methylene Chloride
Concen: 48.809 ug/l
RT: 4.52 min Scan# 854
Delta R.T. -0.00 min
Lab File: VN060032.D
Acq: 7 Feb 2020 16:06

Tgt Ion: 84 Resp: 89644
Ion Ratio Lower Upper
84 100
49 117.1 106.6 160.0
51 35.1 31.9 47.9
86 65.1 50.8 76.2





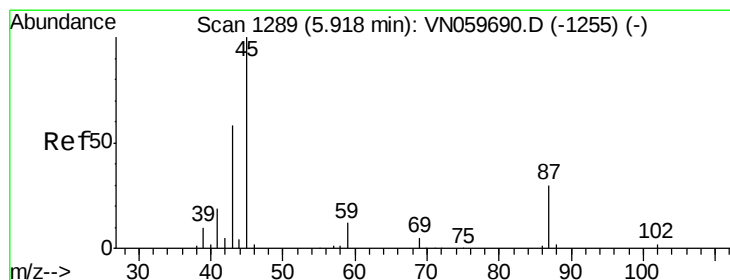
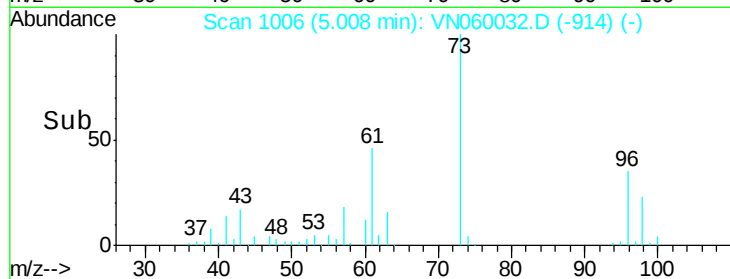
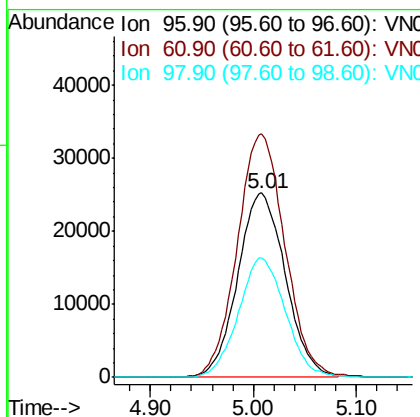
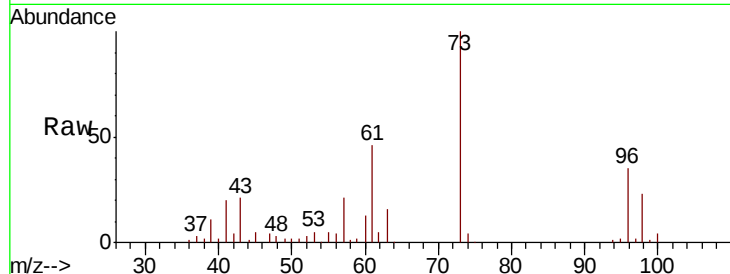
#21
trans-1,2-Dichloroethene
Concen: 45.616 ug/l
RT: 5.01 min Scan# 1006
Delta R.T. -0.00 min
Lab File: VN060032.D
Acq: 7 Feb 2020 16:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	131.5	120.4	180.6
98	65.1	50.6	75.8

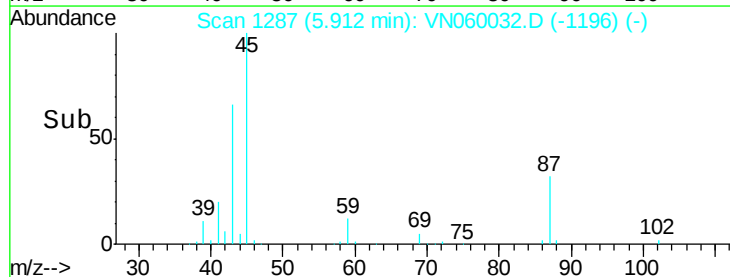
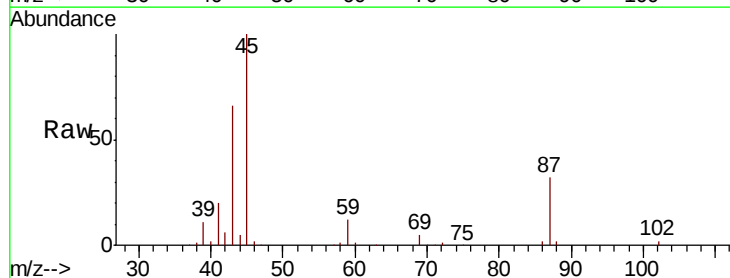
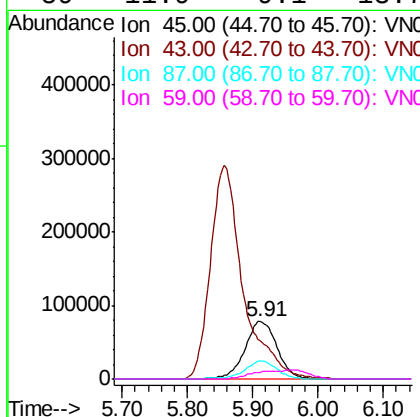
Manual Integrations
APPROVED

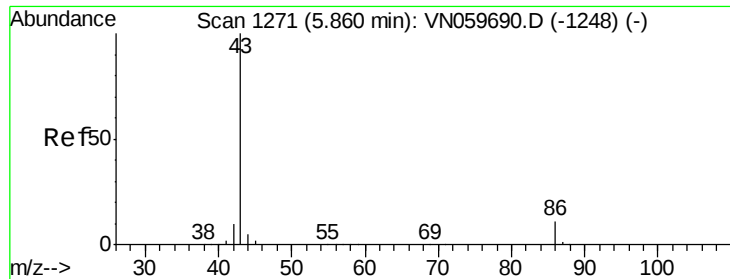
MMDadoda
2/10/2020 9:32:33 AM



#22
Diisopropyl ether
Concen: 52.673 ug/l
RT: 5.91 min Scan# 1287
Delta R.T. -0.01 min
Lab File: VN060032.D
Acq: 7 Feb 2020 16:06

Tgt Ion	Ratio	Lower	Upper
45	100		
43	64.9	50.8	76.2
87	31.9	21.0	31.6#
59	11.9	9.1	13.7





#23

Vinyl Acetate

Concen: 254.832 ug/l

RT: 5.86 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VN060032.D

Acq: 7 Feb 2020 16:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1007280

Ion Ratio Lower Upper

43 100

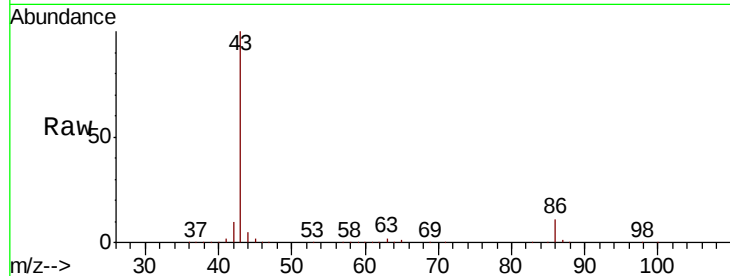
86 11.0 7.6 11.4

Manual Integrations

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MMDadoda

2/10/2020 9:32:33 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

5.86

300000

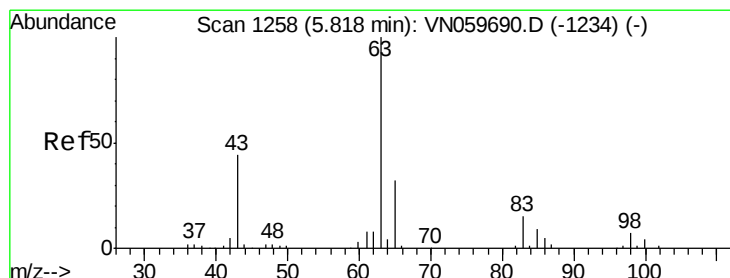
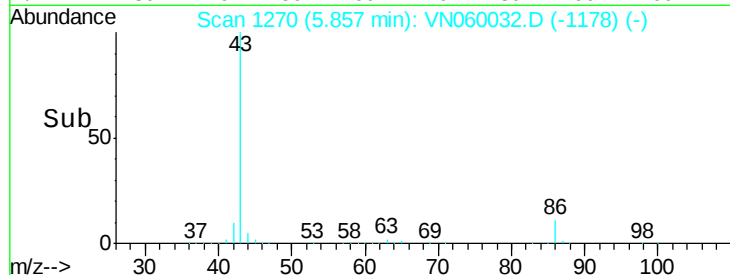
200000

100000

0

5.80 6.00

Time-->



#24

1,1-Dichloroethane

Concen: 50.589 ug/l

RT: 5.82 min Scan# 1257

Delta R.T. -0.00 min

Lab File: VN060032.D

Acq: 7 Feb 2020 16:06

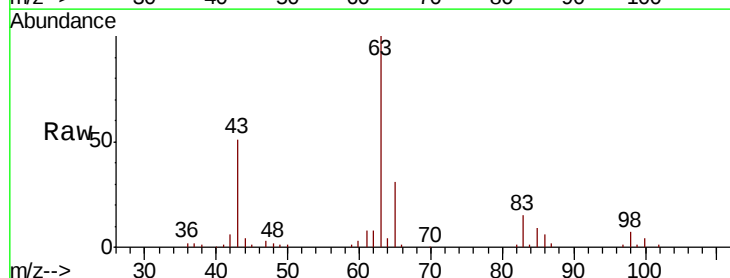
Tgt Ion: 63 Resp: 157809

Ion Ratio Lower Upper

63 100

98 7.4 2.9 8.7

100 4.3 2.0 6.0



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

5.82

60000

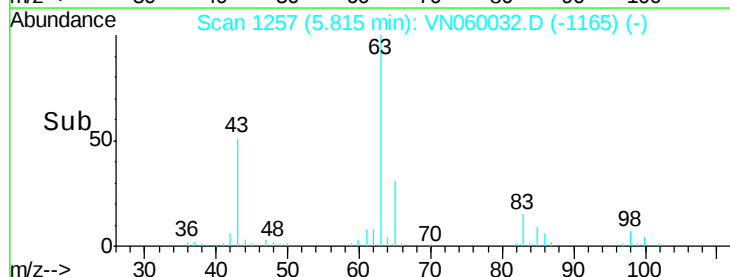
40000

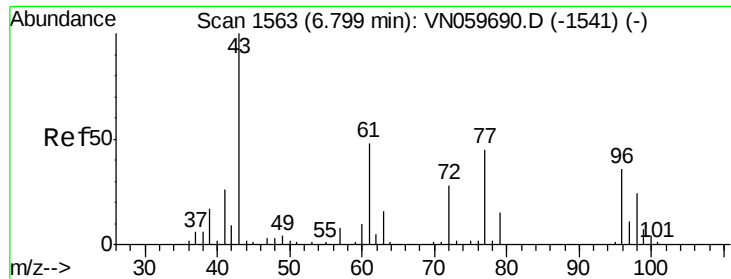
20000

0

5.70 5.80 5.90

Time-->





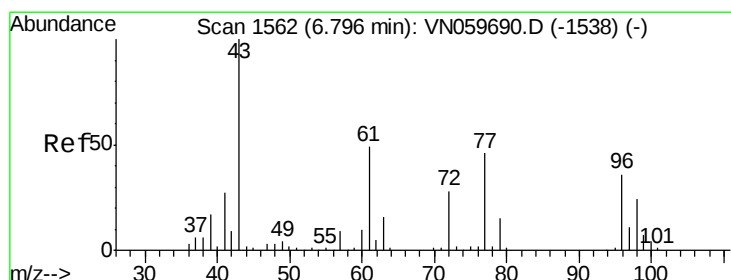
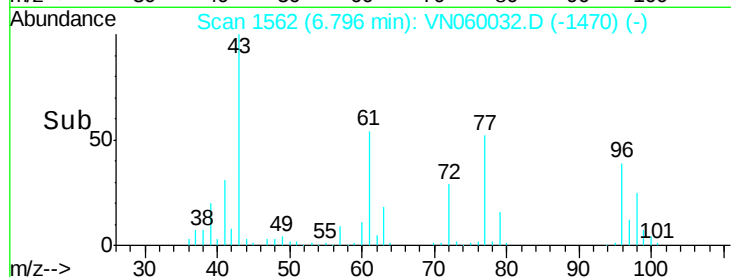
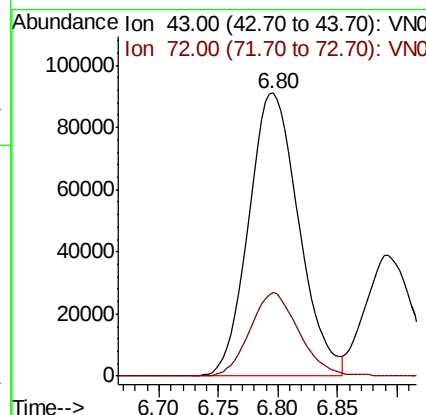
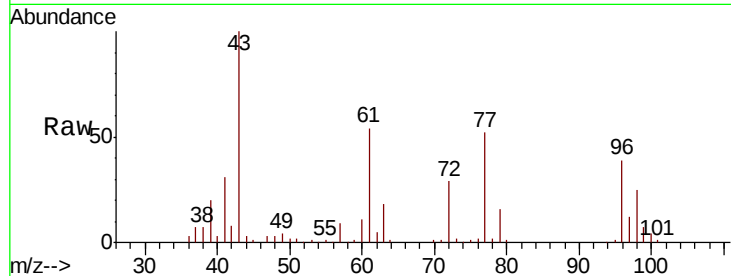
#25
2-Butanone
Concen: 231.663 ug/l
RT: 6.80 min Scan# 1562
Delta R.T. -0.00 min
Lab File: VN060032.D
Acq: 7 Feb 2020 16:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 266150
Ion Ratio Lower Upper
43 100
72 29.4 19.9 29.9

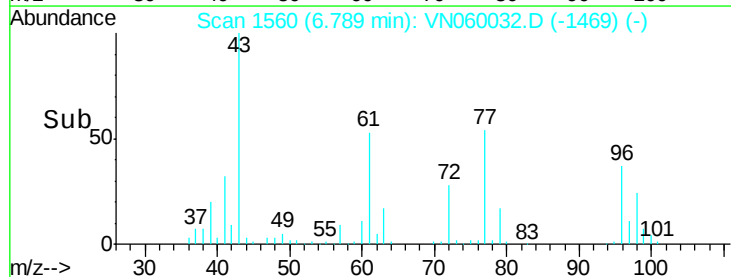
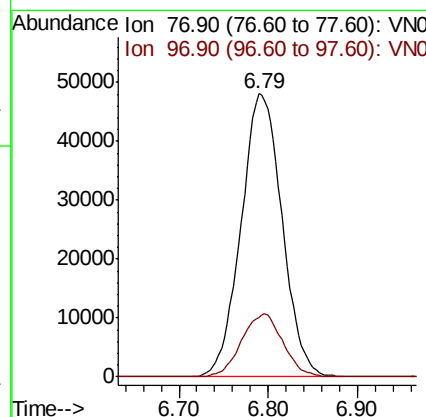
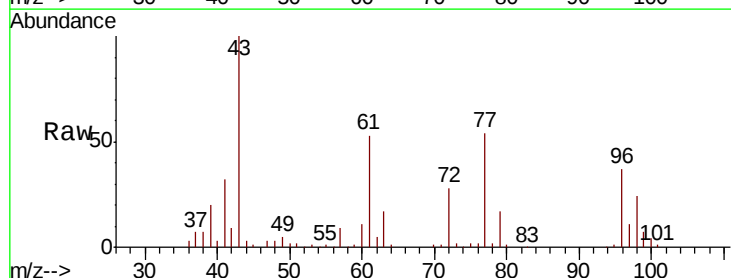
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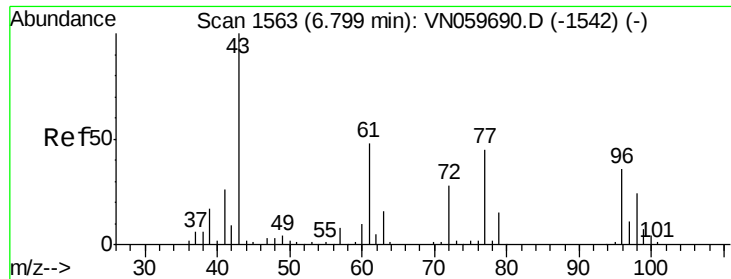
MMDadoda
2/10/2020 9:32:33 AM



#26
2,2-Dichloropropane
Concen: 51.290 ug/l
RT: 6.79 min Scan# 1560
Delta R.T. -0.01 min
Lab File: VN060032.D
Acq: 7 Feb 2020 16:06

Tgt Ion: 77 Resp: 153818
Ion Ratio Lower Upper
77 100
97 22.4 10.7 31.9





#27

cis-1,2-Dichloroethene

Concen: 50.339 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.00 min

Lab File: VN060032.D

Acq: 7 Feb 2020 16:06

Instrument :

MSVOA_N

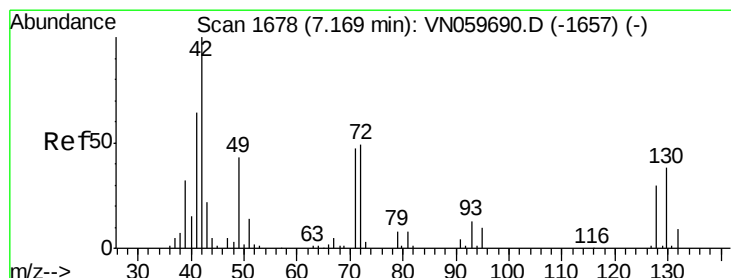
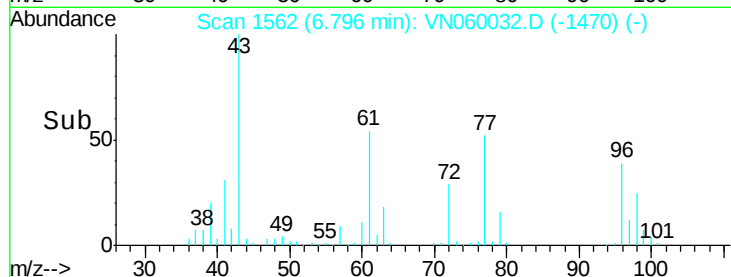
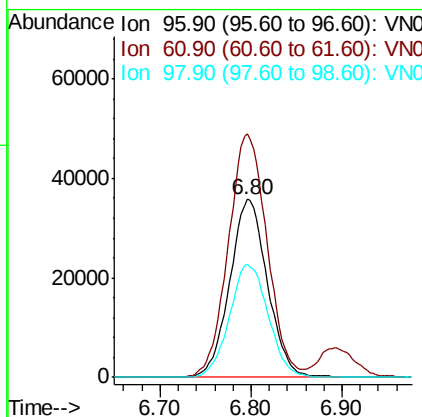
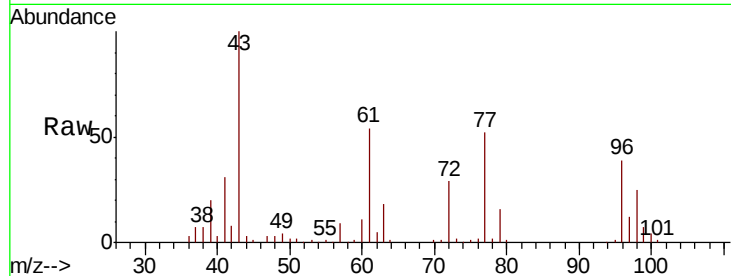
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	102866
Ion Ratio	Lower	Upper	
96	100		
61	140.5	0.0	317.6
98	65.4	0.0	127.0

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2/10/2020 9:32:33 AM



#28

Bromochloromethane

Concen: 48.064 ug/l

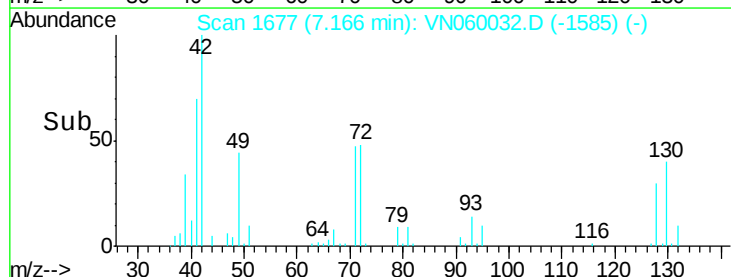
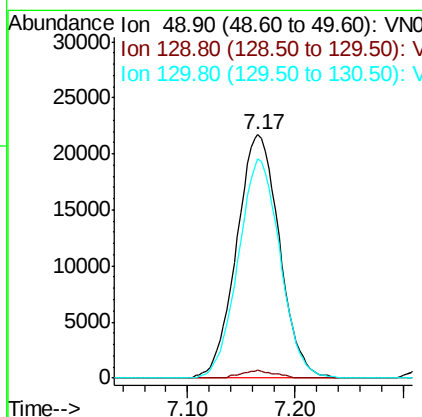
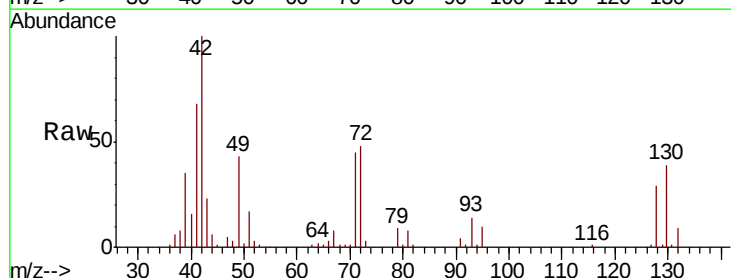
RT: 7.17 min Scan# 1677

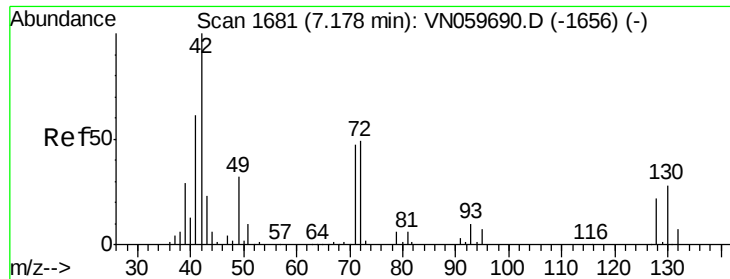
Delta R.T. -0.00 min

Lab File: VN060032.D

Acq: 7 Feb 2020 16:06

Tgt Ion:	49	Resp:	59926
Ion Ratio	Lower	Upper	
49	100		
129	2.5	0.0	3.4
130	87.9	54.7	82.1#





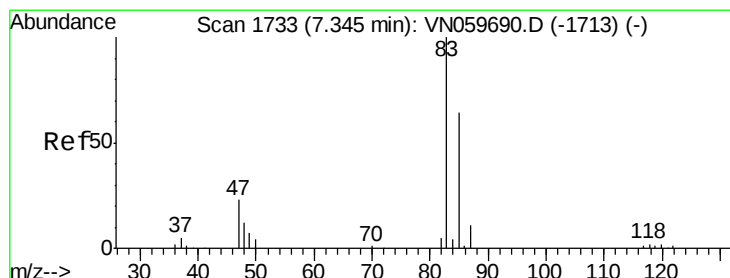
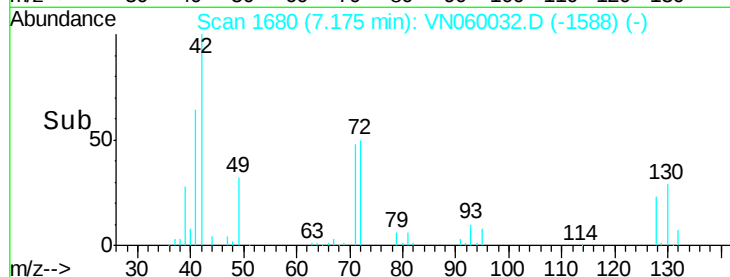
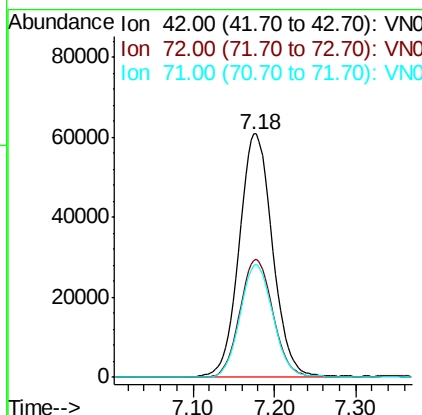
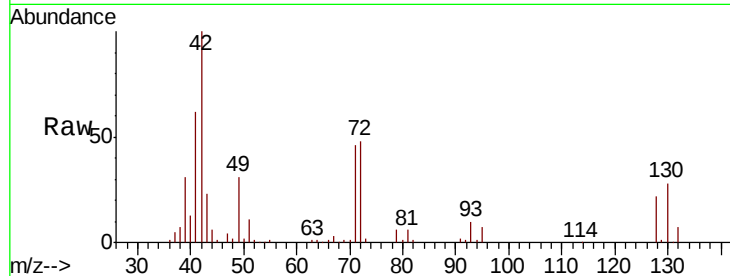
#29
Tetrahydrofuran
Concen: 242.700 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. -0.00 min
Lab File: VN060032.D
Acq: 7 Feb 2020 16:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	48.0	33.1	49.7
71	45.5	31.4	47.0

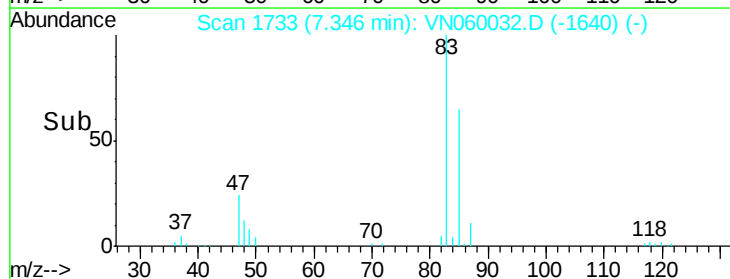
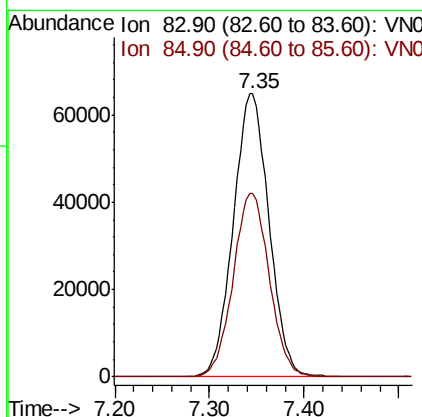
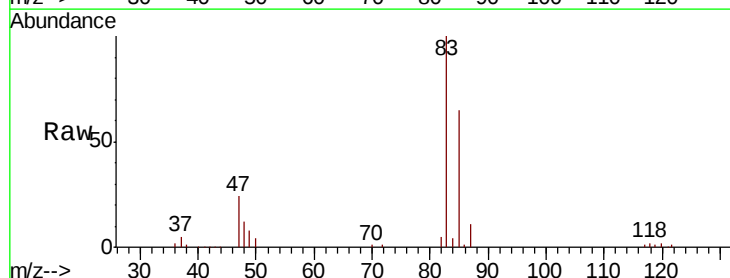
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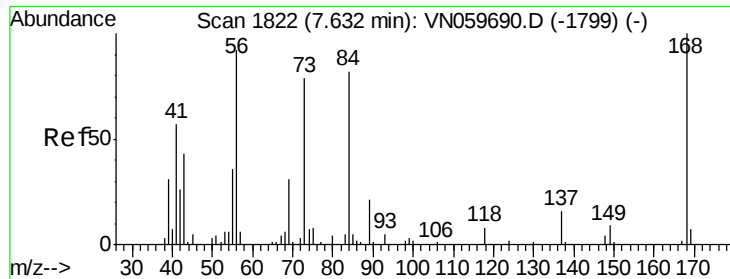
MMDadoda
2/10/2020 9:32:33 AM



#30
Chloroform
Concen: 52.658 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. 0.00 min
Lab File: VN060032.D
Acq: 7 Feb 2020 16:06

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.8	52.4	78.6





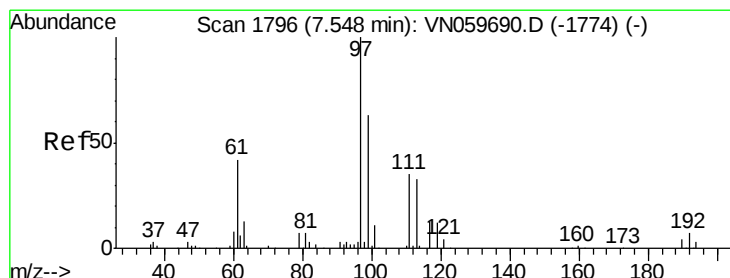
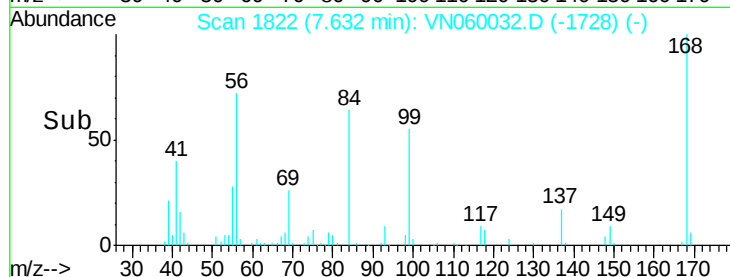
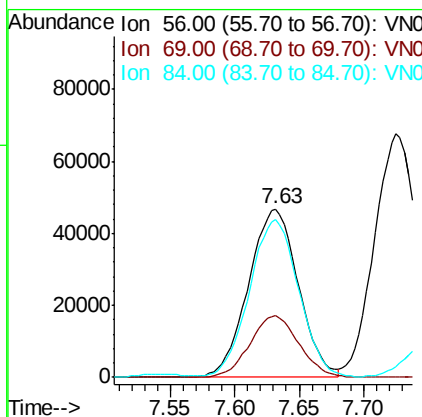
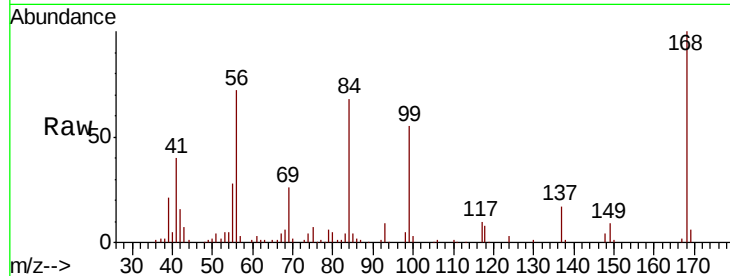
#31
Cyclohexane
Concen: 41.951 ug/l
RT: 7.63 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VN060032.D
Acq: 7 Feb 2020 16:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	36.4	26.5	39.7
84	92.7	65.3	97.9

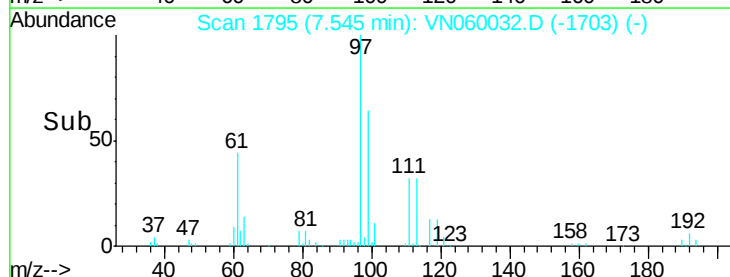
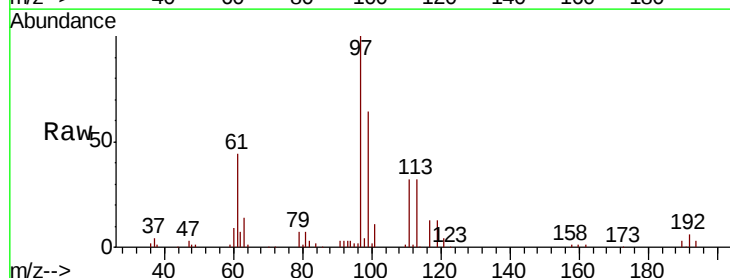
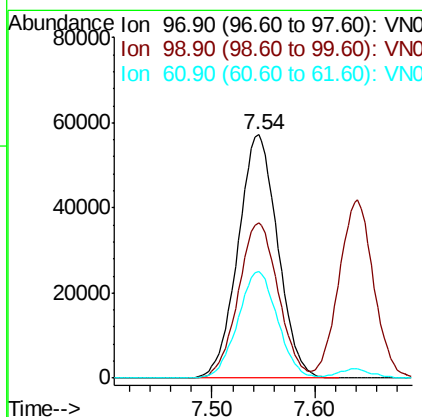
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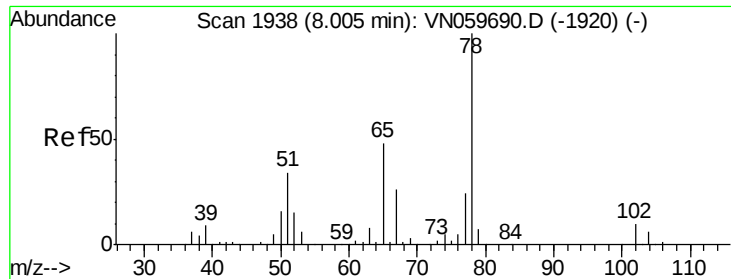
MMDadoda
2/10/2020 9:32:33 AM



#32
1,1,1-Trichloroethane
Concen: 51.105 ug/l
RT: 7.54 min Scan# 1795
Delta R.T. -0.00 min
Lab File: VN060032.D
Acq: 7 Feb 2020 16:06

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.5	51.0	76.4
61	43.9	38.5	57.7





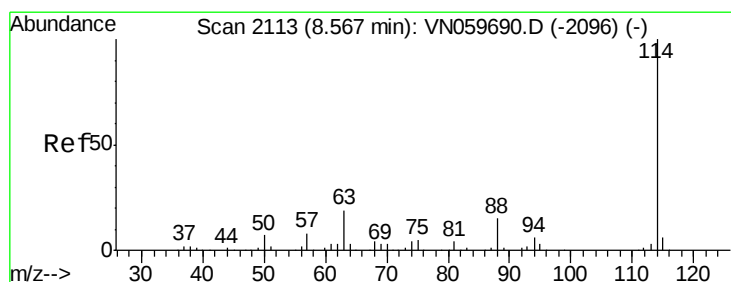
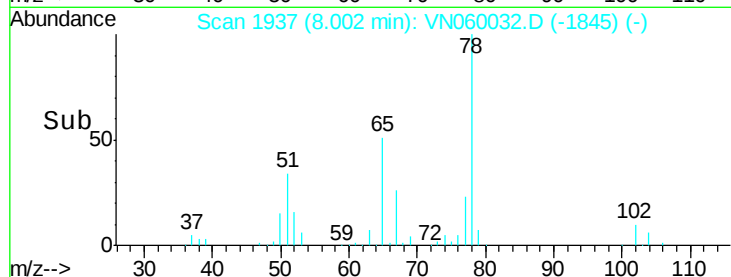
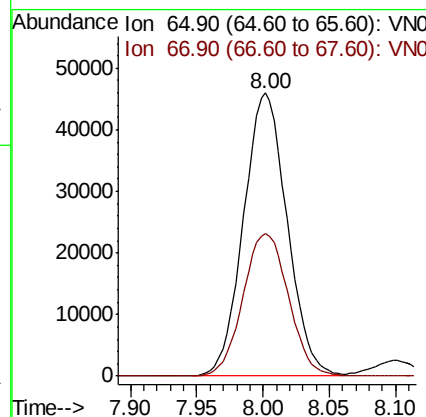
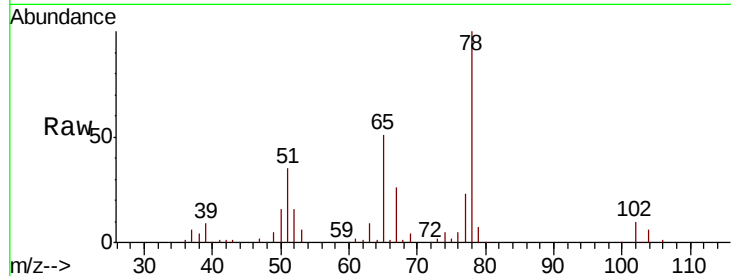
#33
 1,2-Dichloroethane-d4
 Concen: 51.834 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VN060032.D
 Acq: 7 Feb 2020 16:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	52.4	0.0	103.0	

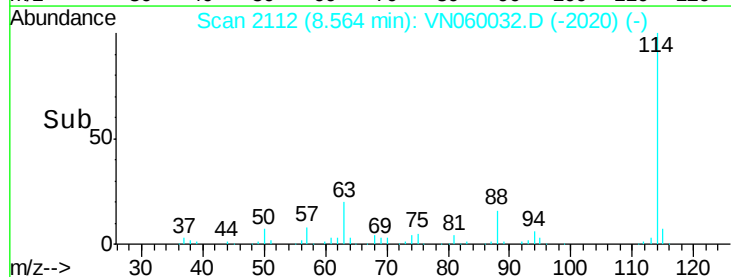
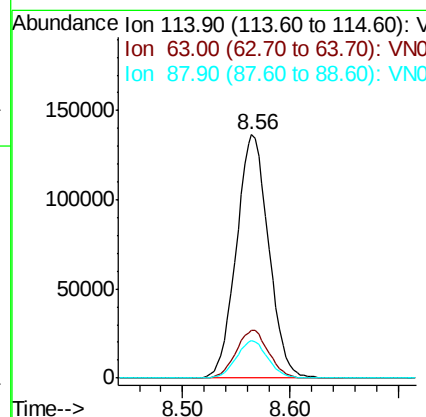
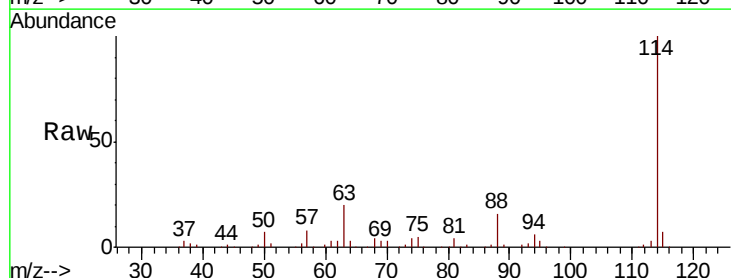
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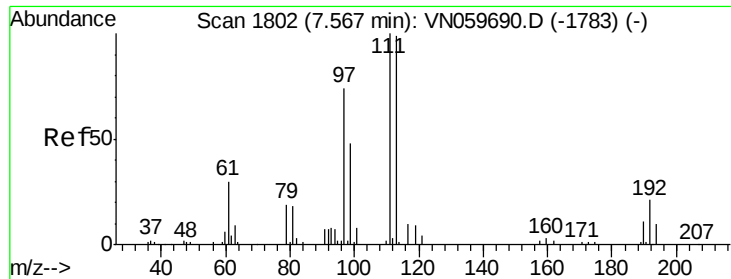
MMDadoda
 2/10/2020 9:32:33 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.56 min Scan# 2112
 Delta R.T. -0.00 min
 Lab File: VN060032.D
 Acq: 7 Feb 2020 16:06

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	19.5	0.0	43.6	
88	15.6	0.0	31.4	





#35

Dibromofluoromethane

Concen: 51.937 ug/l

RT: 7.56 min Scan# 1801

Delta R.T. -0.00 min

Lab File: VN060032.D

Acq: 7 Feb 2020 16:06

Instrument :

MSVOA_N

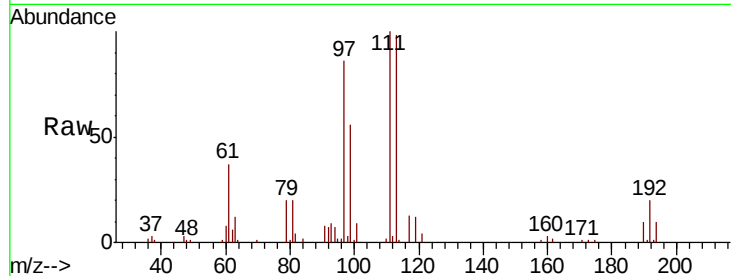
ClientSampleId :

VSTDCCC050EC

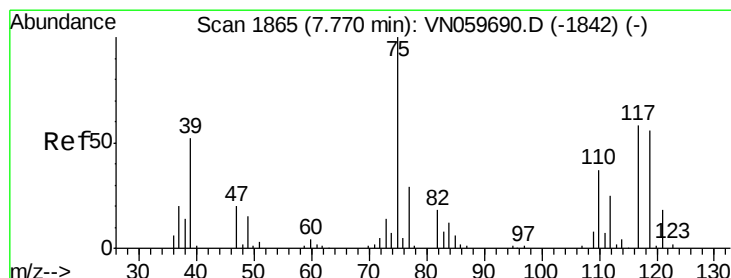
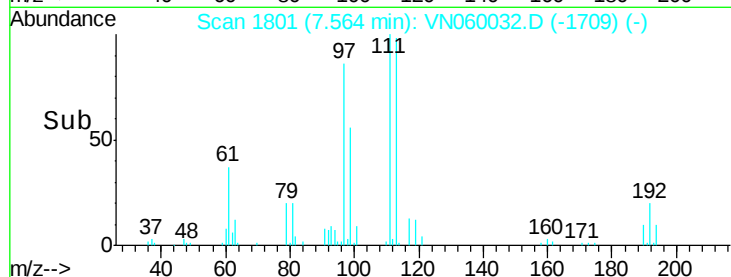
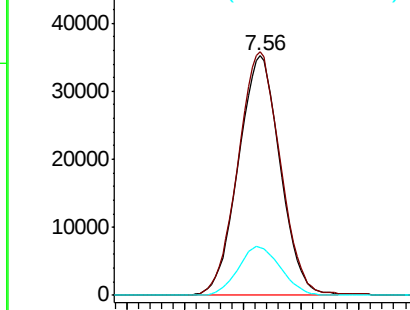
Tot Ion:	113	Resp:	88115
Ion Ratio	Lower	Upper	
113	100		
111	102.8	83.5	125.3
192	20.8	15.4	23.2

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Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 47.860 ug/l

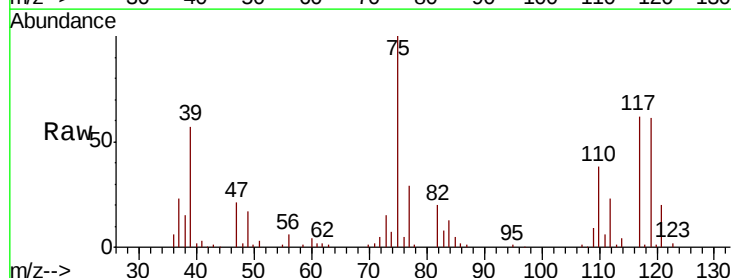
RT: 7.77 min Scan# 1864

Delta R.T. -0.00 min

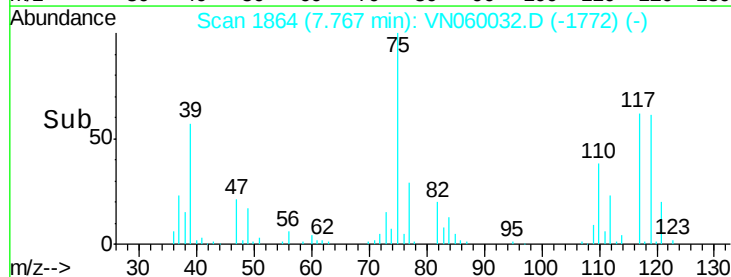
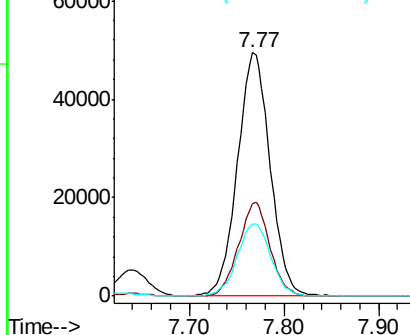
Lab File: VN060032.D

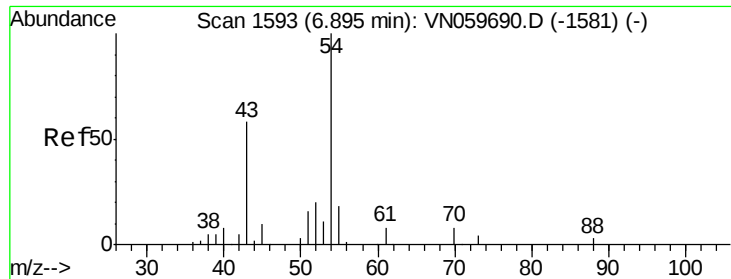
Acq: 7 Feb 2020 16:06

Tgt Ion:	75	Resp:	118573
Ion Ratio	Lower	Upper	
75	100		
110	36.8	16.6	49.7
77	30.7	25.1	37.7



Abundance Ion 74.90 (74.60 to 75.60): V
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): V





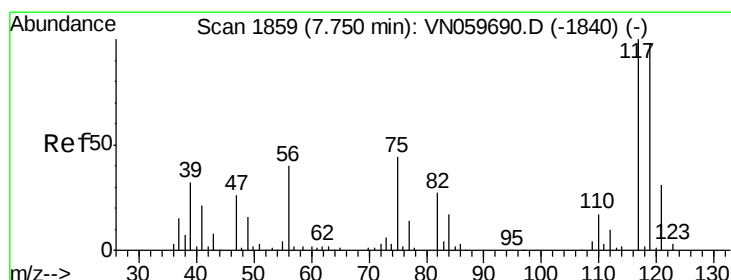
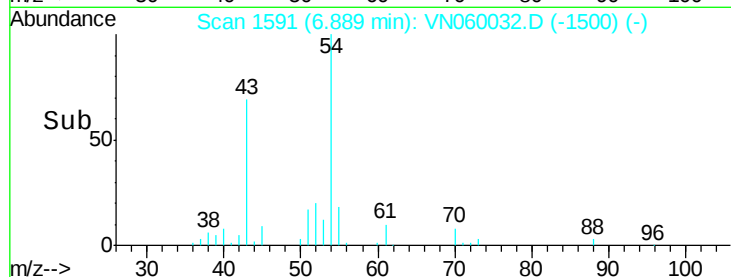
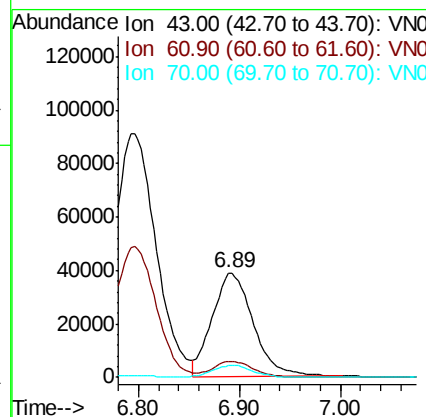
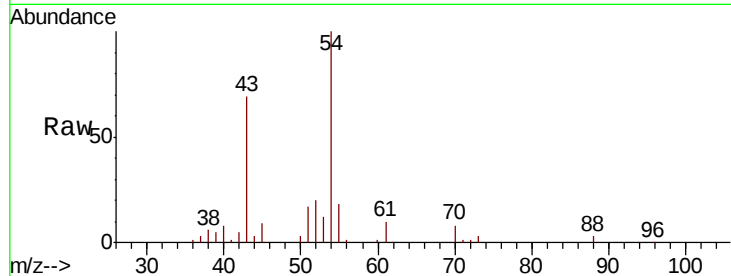
#37
Ethyl Acetate
Concen: 47.226 ug/l
RT: 6.89 min Scan# 1591
Delta R.T. -0.01 min
Lab File: VN060032.D
Acq: 7 Feb 2020 16:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
43	100			
61	15.6	10.9	16.3	
70	11.3	7.7	11.5	

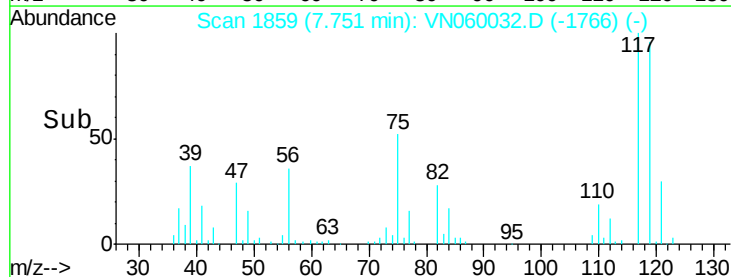
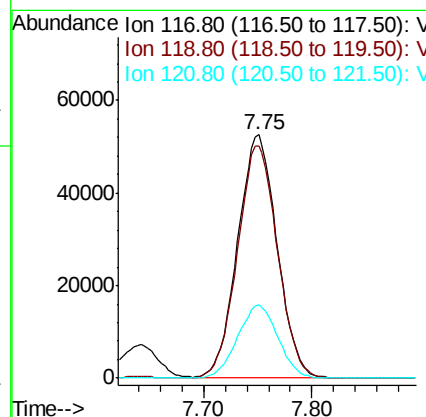
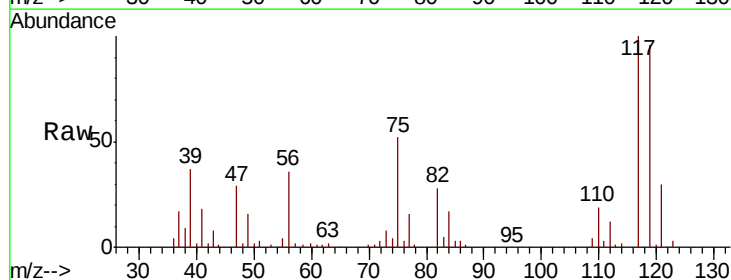
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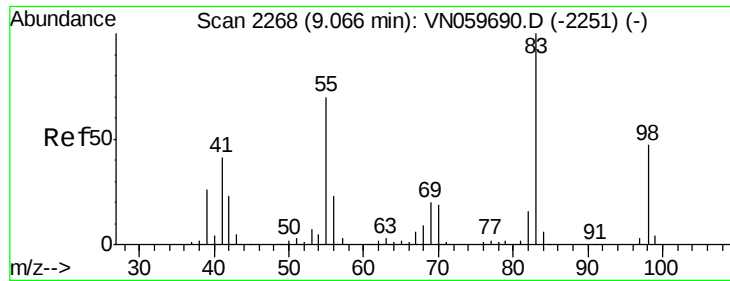
MMDadoda
2/10/2020 9:32:33 AM



#38
Carbon Tetrachloride
Concen: 49.487 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. 0.00 min
Lab File: VN060032.D
Acq: 7 Feb 2020 16:06

Tgt Ion	Ion	Ratio	Lower	Upper
117	100			
119	95.6	76.5	114.7	
121	29.9	25.1	37.7	





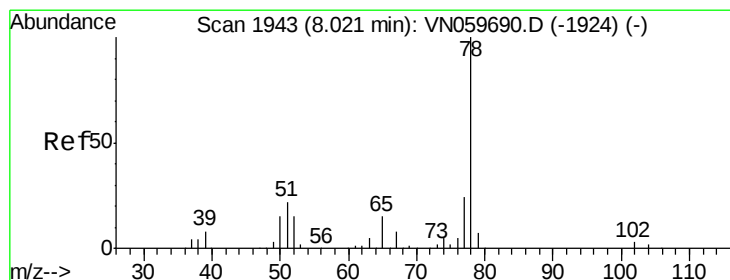
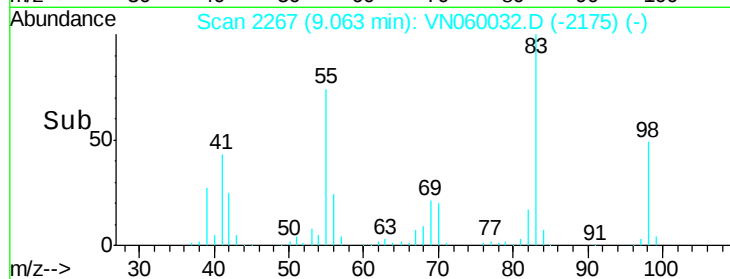
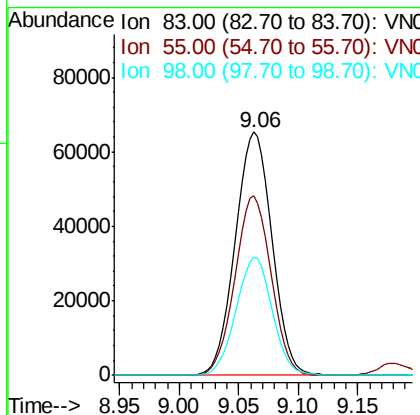
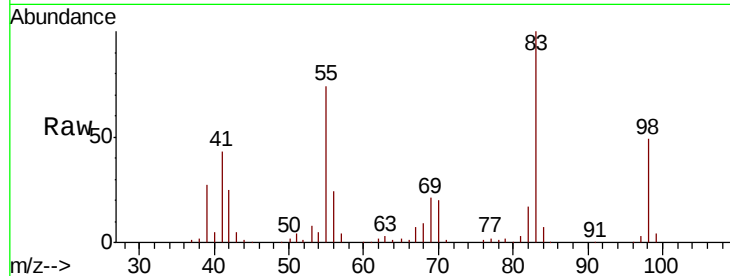
#39
Methvlcvclohexane
Concen: 45.898 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. -0.00 min
Lab File: VN060032.D
Acq: 7 Feb 2020 16:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	73.5	64.2	96.2
98	48.6	35.9	53.9

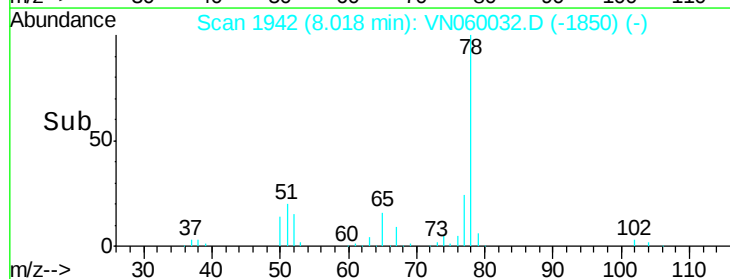
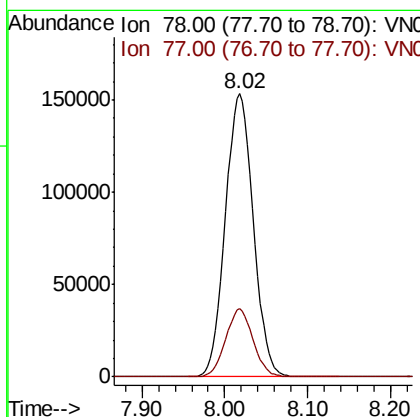
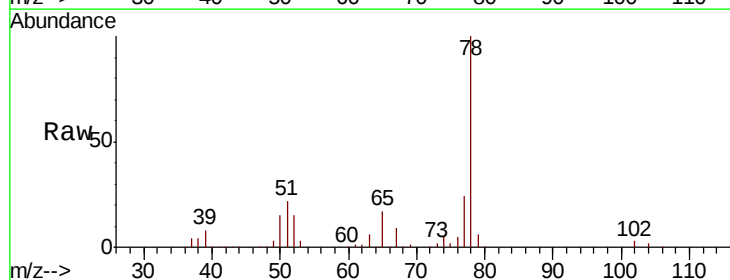
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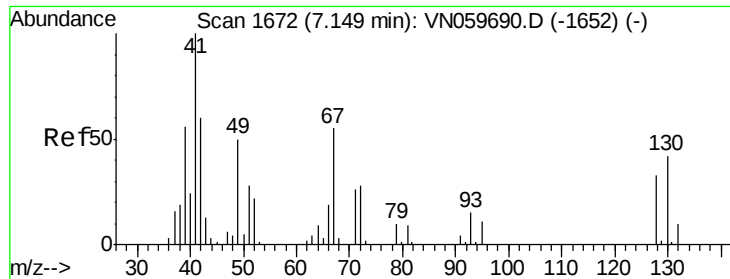
MMDadoda
2/10/2020 9:32:33 AM



#40
Benzene
Concen: 48.711 ug/l
RT: 8.02 min Scan# 1942
Delta R.T. -0.00 min
Lab File: VN060032.D
Acq: 7 Feb 2020 16:06

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.0	18.9	28.3





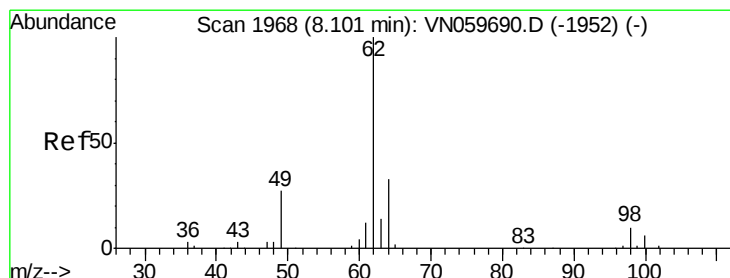
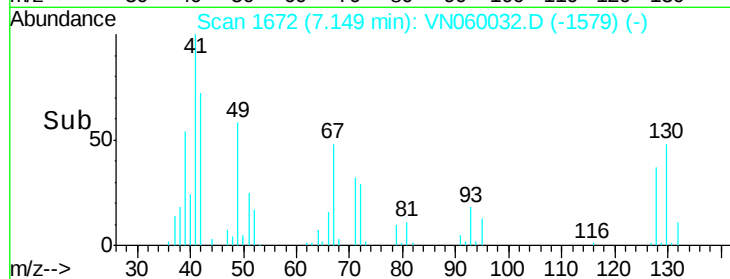
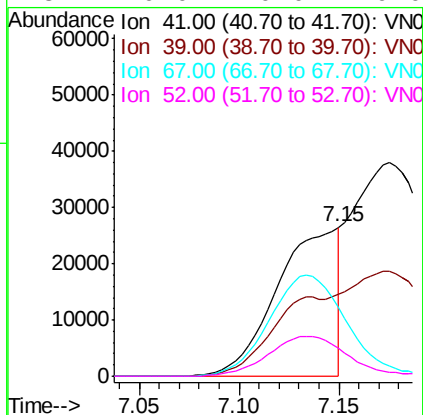
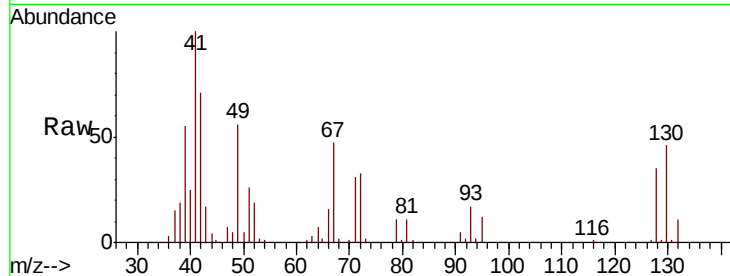
#41
Methacrylonitrile
Concen: 49.382 ug/l m
RT: 7.15 min Scan# 1672
Delta R.T. 0.00 min
Lab File: VN060032.D
Acq: 7 Feb 2020 16:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

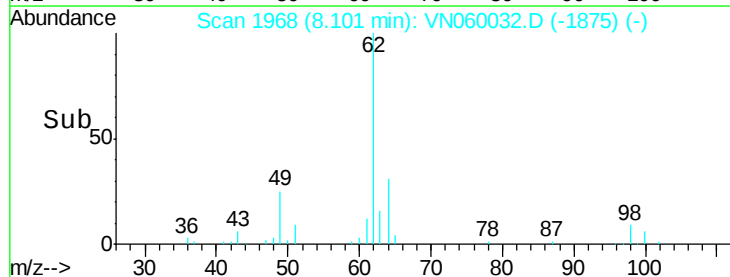
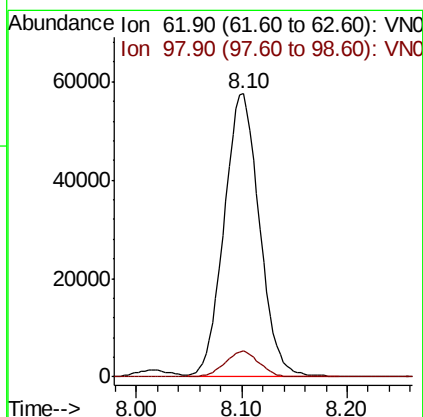
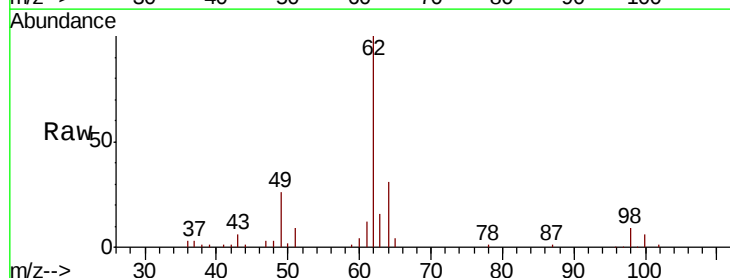
Manual Integrations
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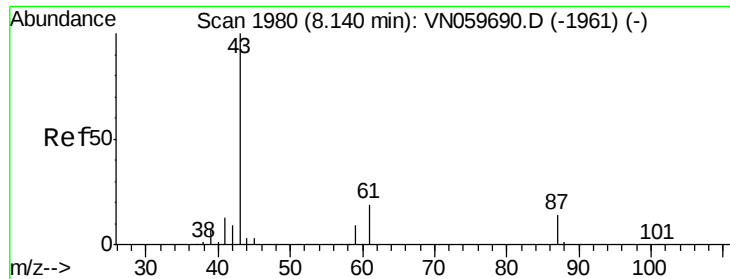
MMDadoda
2/10/2020 9:32:33 AM



#42
1,2-Dichloroethane
Concen: 53.478 ug/l
RT: 8.10 min Scan# 1968
Delta R.T. 0.00 min
Lab File: VN060032.D
Acq: 7 Feb 2020 16:06

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.7	0.0	15.8





#43

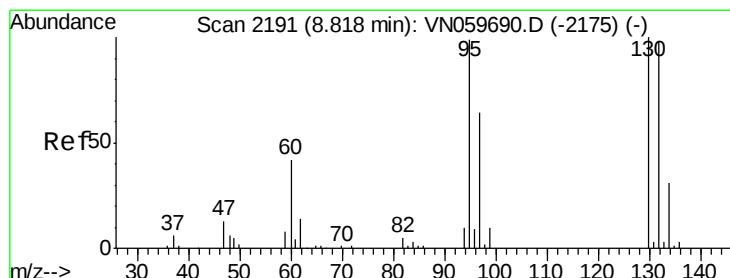
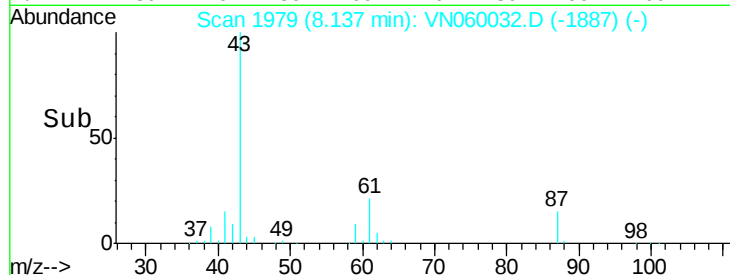
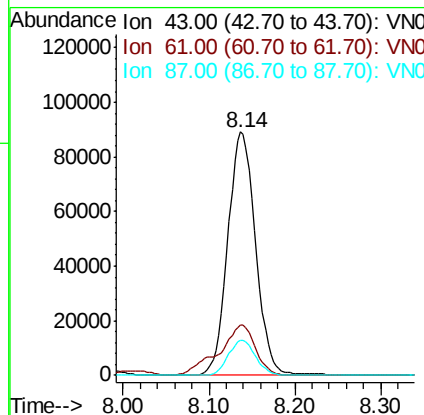
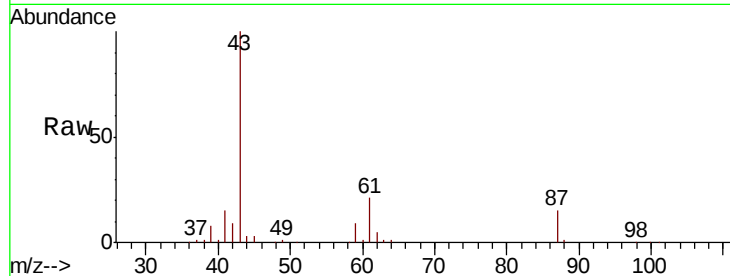
Isopropyl Acetate
 Concen: 49.958 ug/l
 RT: 8.14 min Scan# 1979
 Delta R.T. -0.00 min
 Lab File: VN060032.D
 Acq: 7 Feb 2020 16:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	27.2	20.2	30.2
87	14.1	9.5	14.3

Manual Integrations
 APPROVED

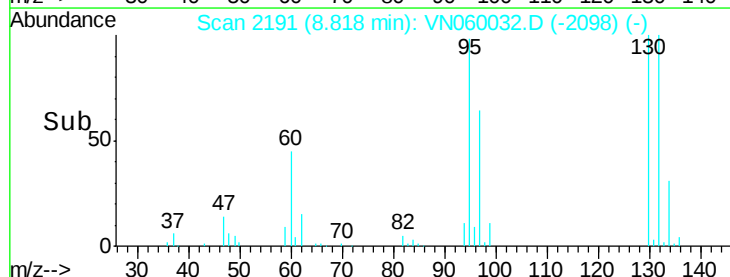
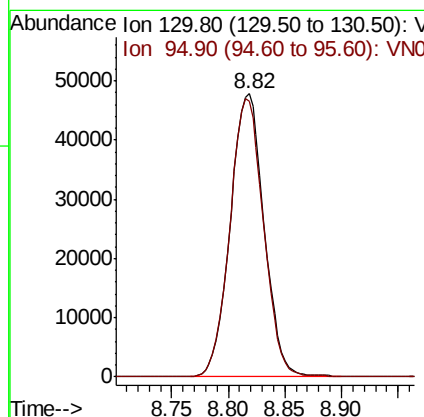
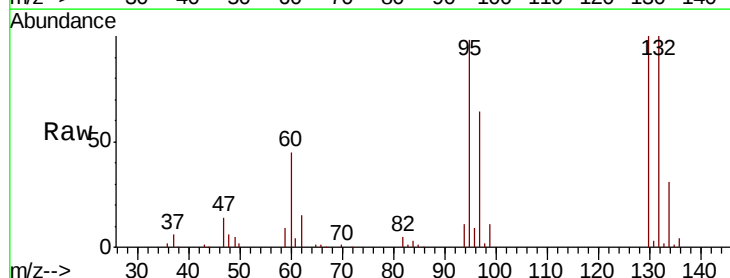
MMDadoda
 2/10/2020 9:32:33 AM

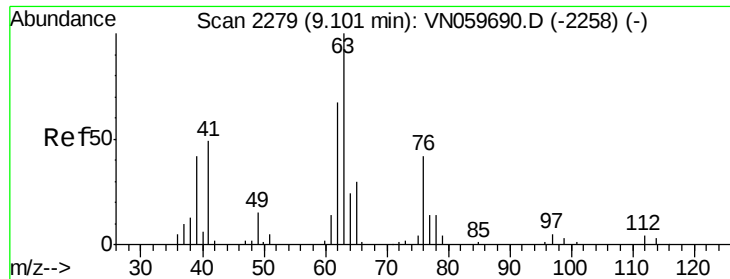


#44

Trichloroethene
 Concen: 49.285 ug/l
 RT: 8.82 min Scan# 2191
 Delta R.T. 0.00 min
 Lab File: VN060032.D
 Acq: 7 Feb 2020 16:06

Tgt Ion	Ratio	Lower	Upper
130	100		
95	97.6	0.0	207.0





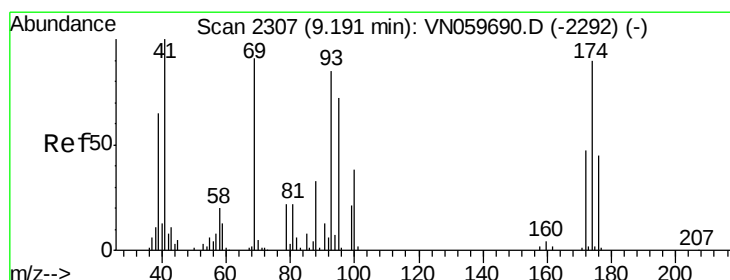
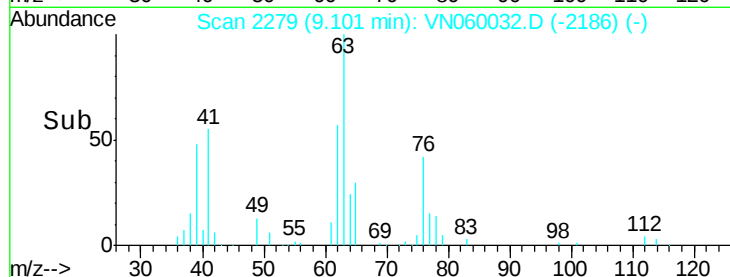
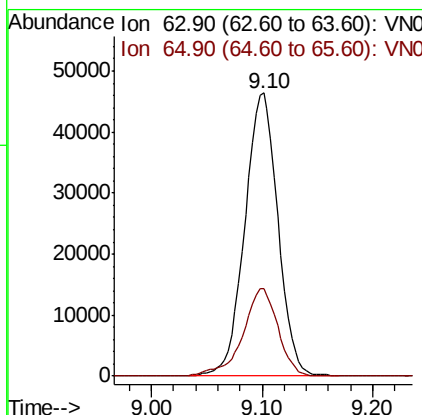
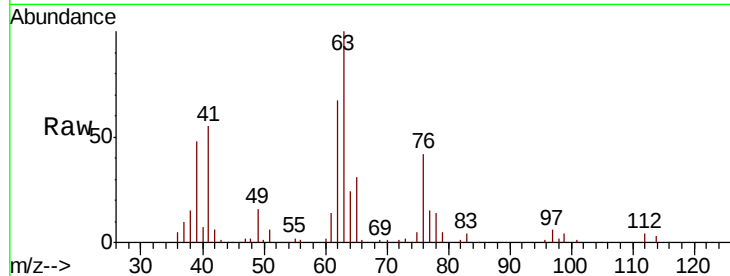
#45
 1,2-Dichloropropane
 Concen: 52.713 ug/l
 RT: 9.10 min Scan# 2279
 Delta R.T. 0.00 min
 Lab File: VN060032.D
 Acq: 7 Feb 2020 16:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.8	24.9	37.3

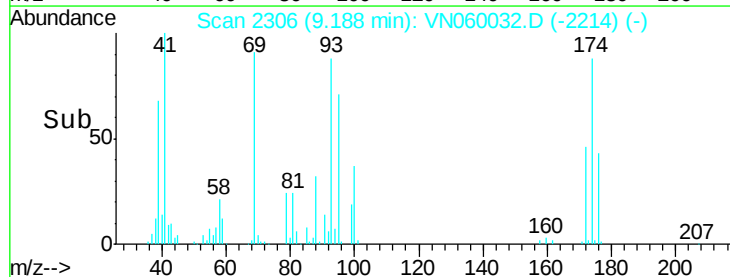
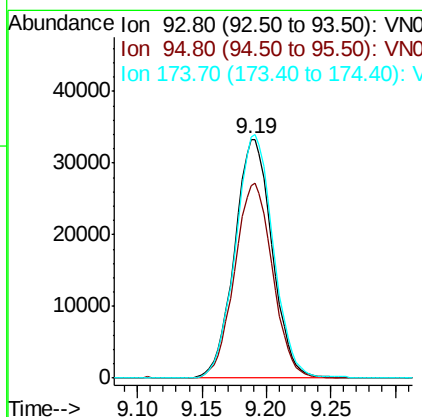
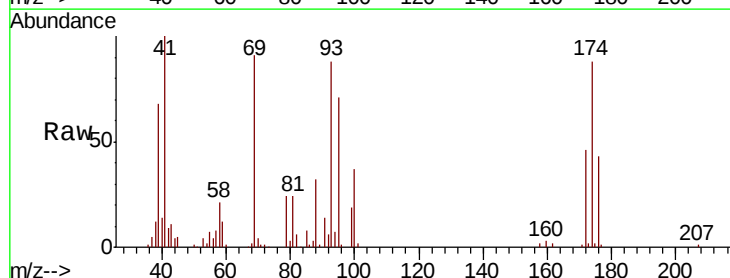
Manual Integrations
 APPROVED

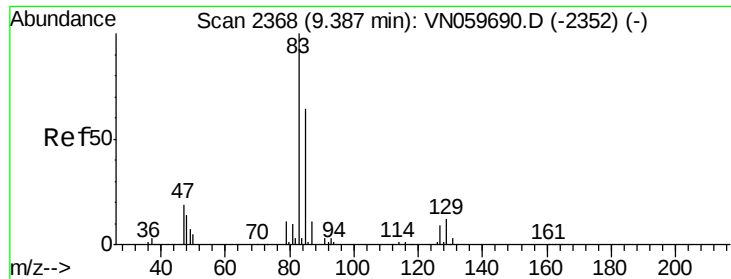
MMDadoda
 2/10/2020 9:32:33 AM



#46
 Dibromomethane
 Concen: 52.412 ug/l
 RT: 9.19 min Scan# 2306
 Delta R.T. -0.00 min
 Lab File: VN060032.D
 Acq: 7 Feb 2020 16:06

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.3	67.0	100.6
174	102.6	73.4	110.2





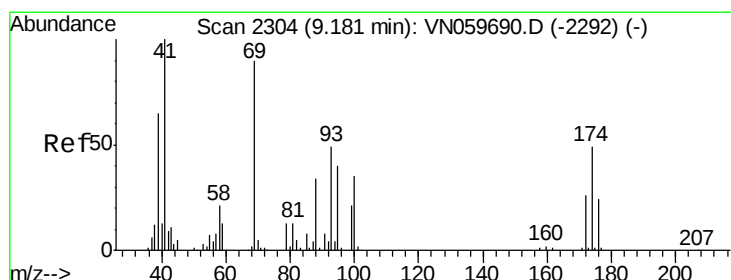
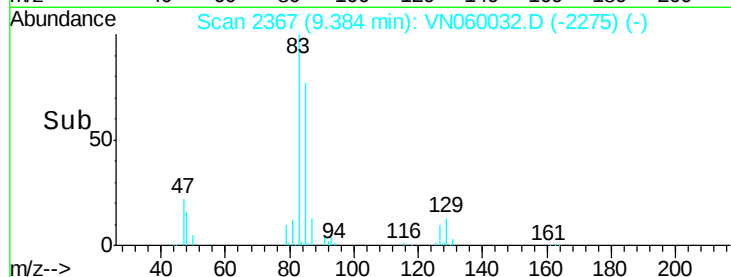
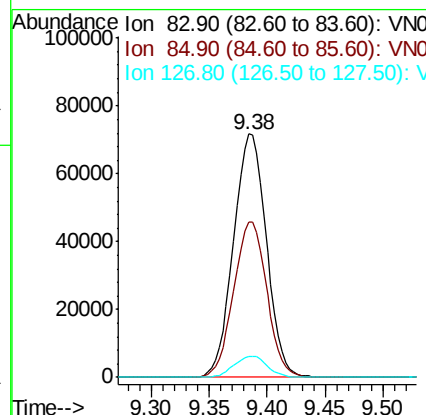
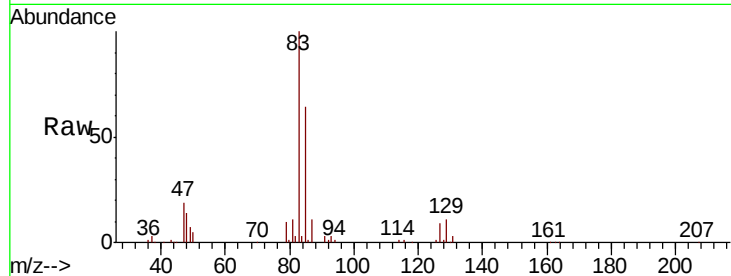
#47
Bromodichloromethane
Concen: 54.243 ug/l
RT: 9.38 min Scan# 2367
Delta R.T. -0.00 min
Lab File: VN060032.D
Acq: 7 Feb 2020 16:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	83	Resp	140978
Ion Ratio	100		
85	63.8	51.1	76.7
127	8.5	6.6	9.8

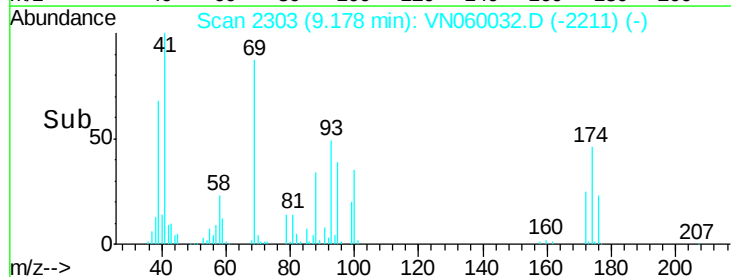
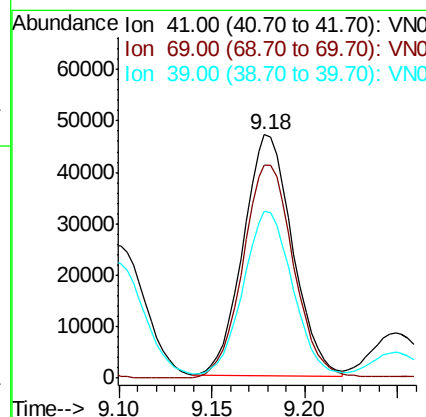
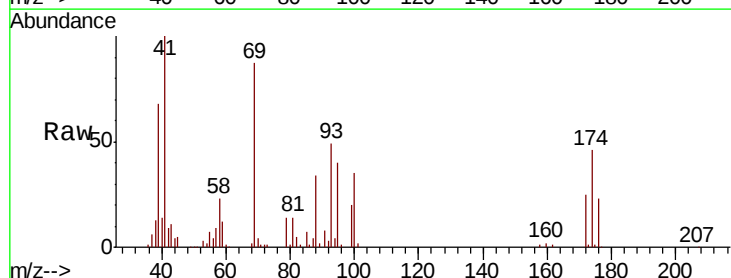
Manual Integrations
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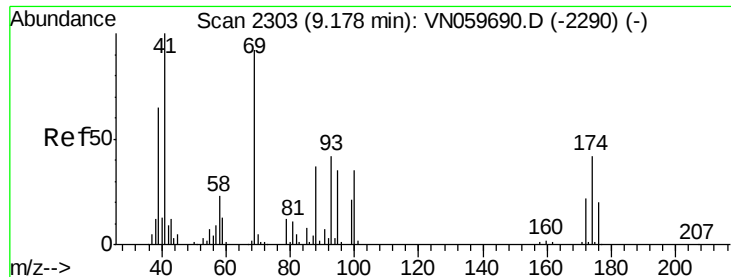
MMDadoda
2/10/2020 9:32:33 AM



#48
Methyl methacrylate
Concen: 48.445 ug/l
RT: 9.18 min Scan# 2303
Delta R.T. -0.00 min
Lab File: VN060032.D
Acq: 7 Feb 2020 16:06

Tgt Ion	41	Resp	86608
Ion Ratio	100		
69	91.2	64.4	96.6
39	70.8	51.3	76.9





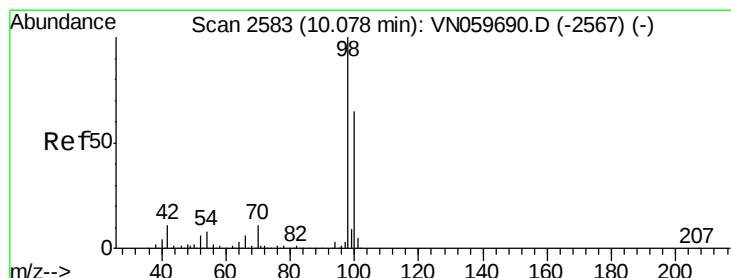
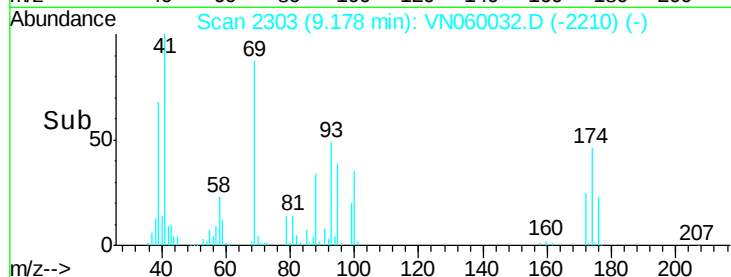
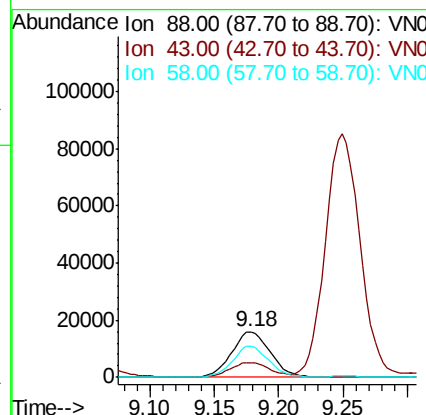
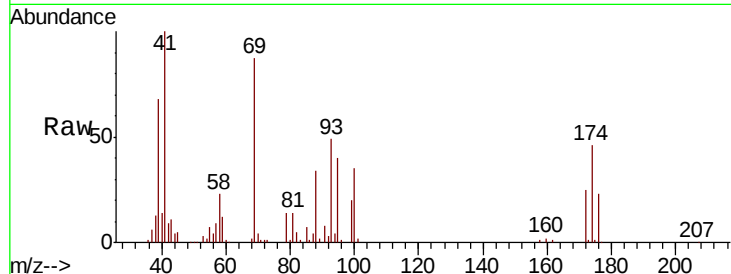
#49
1,4-Dioxane
Concen: 1009.856 ug/l
RT: 9.18 min Scan# 2303
Delta R.T. 0.00 min
Lab File: VN060032.D
Acq: 7 Feb 2020 16:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	31.9	29.7	44.5
58	65.1	56.6	85.0

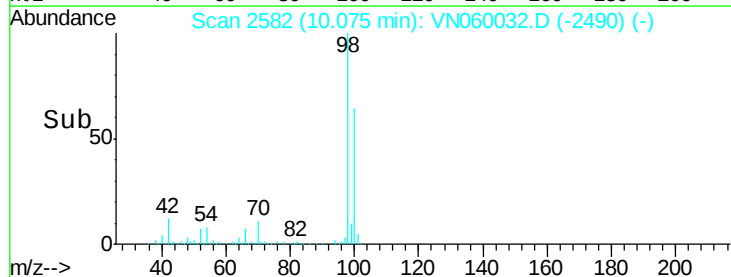
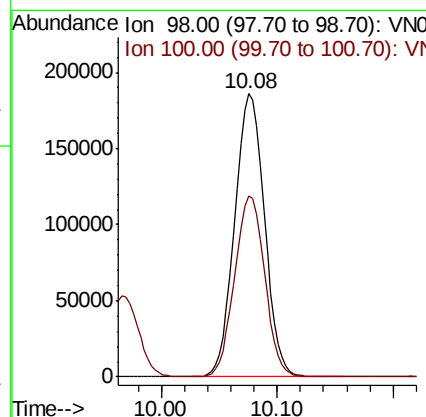
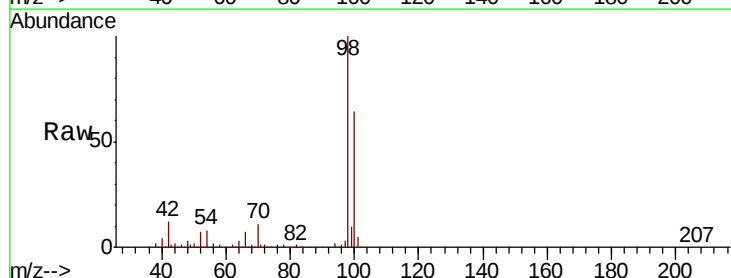
Manual Integrations
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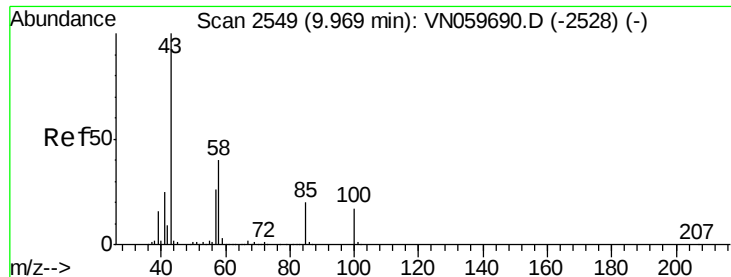
MMDadoda
2/10/2020 9:32:33 AM



#50
Toluene-d8
Concen: 50.247 ug/l
RT: 10.08 min Scan# 2582
Delta R.T. -0.00 min
Lab File: VN060032.D
Acq: 7 Feb 2020 16:06

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.5	51.2	76.8





#51

4-Methyl-2-Pentanone

Concen: 252.932 ug/l

RT: 9.97 min Scan# 2548

Delta R.T. -0.00 min

Lab File: VN060032.D

Acq: 7 Feb 2020 16:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 584381

Ion Ratio Lower Upper

43 100

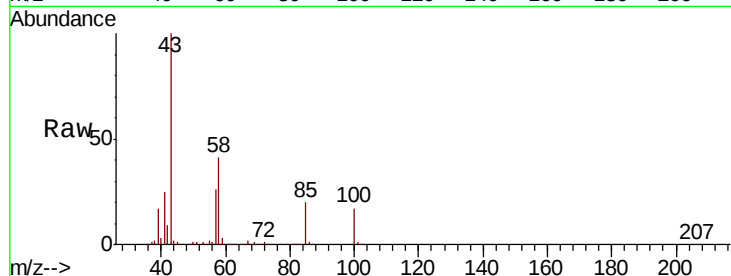
58 40.5 29.8 44.8

Manual Integrations

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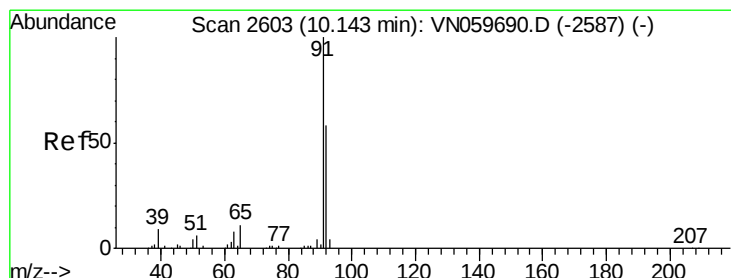
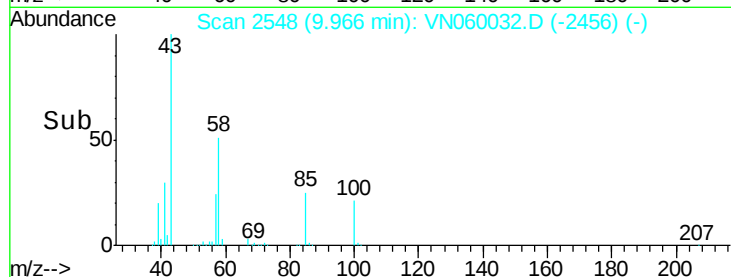
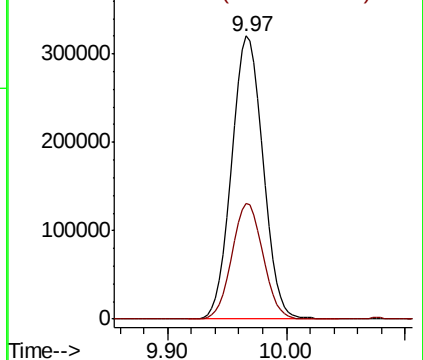
MMDadoda

2/10/2020 9:32:33 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 50.226 ug/l

RT: 10.14 min Scan# 2602

Delta R.T. -0.00 min

Lab File: VN060032.D

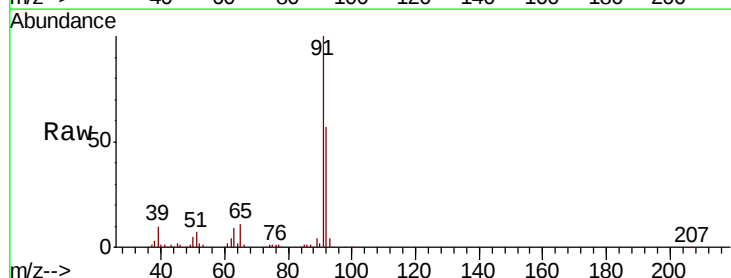
Acq: 7 Feb 2020 16:06

Tgt Ion: 92 Resp: 234408

Ion Ratio Lower Upper

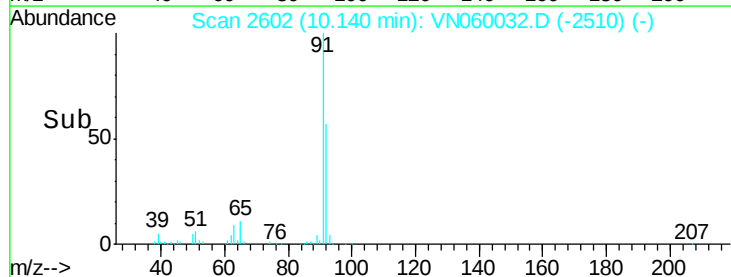
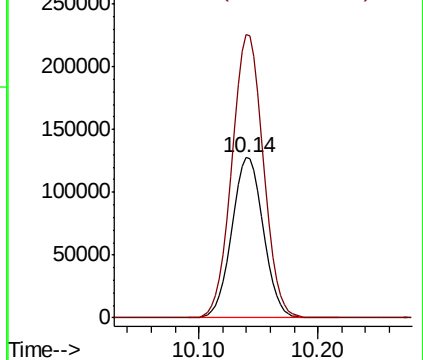
92 100

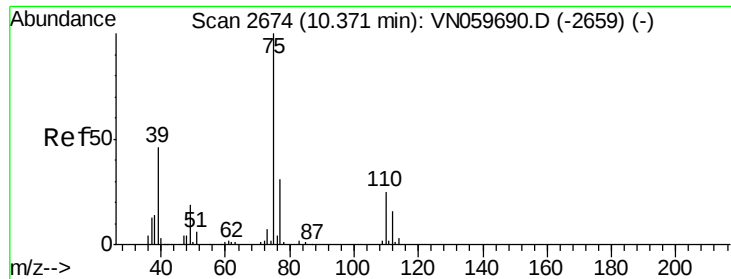
91 176.4 140.4 210.6



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





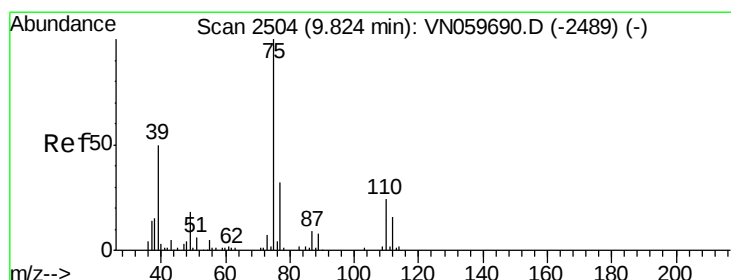
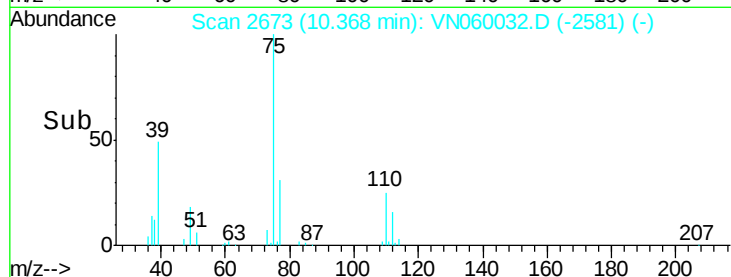
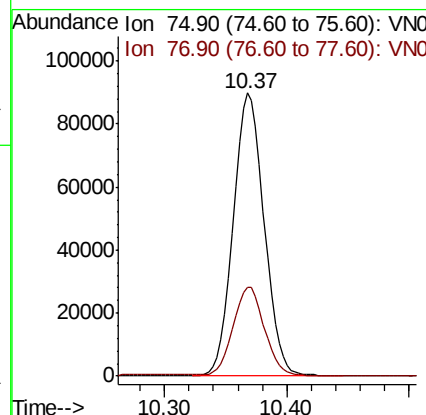
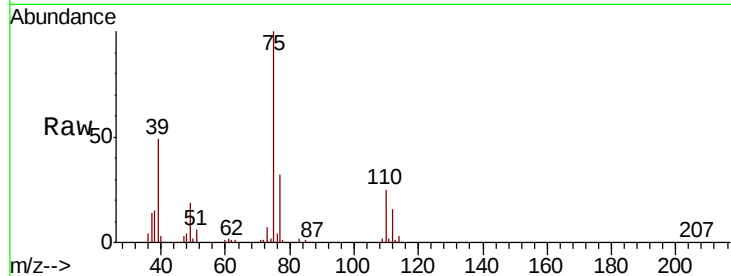
#53
t-1,3-Dichloropropene
Concen: 54.595 ug/l
RT: 10.37 min Scan# 2673
Delta R.T. -0.00 min
Lab File: VN060032.D
Acq: 7 Feb 2020 16:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.4	25.4	38.2

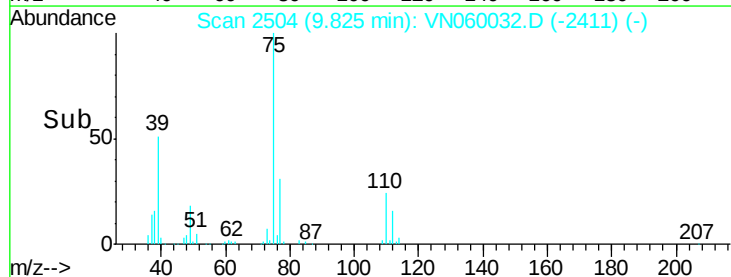
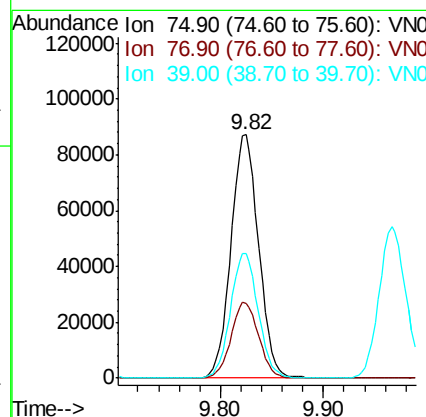
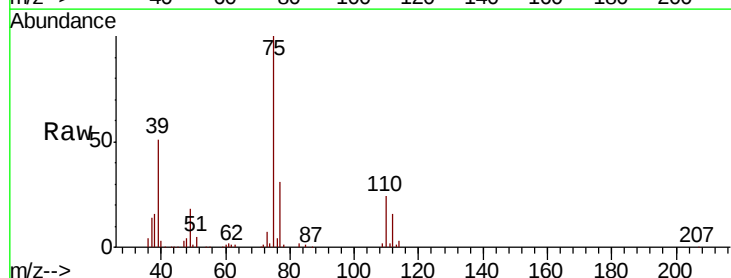
Manual Integrations
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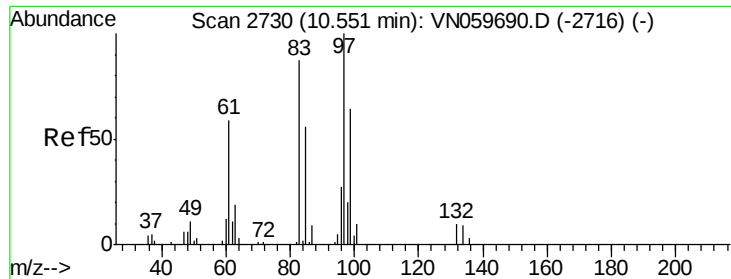
MMDadoda
2/10/2020 9:32:33 AM



#54
cis-1,3-Dichloropropene
Concen: 53.393 ug/l
RT: 9.82 min Scan# 2504
Delta R.T. 0.00 min
Lab File: VN060032.D
Acq: 7 Feb 2020 16:06

Tgt Ion	Ratio	Lower	Upper
75	100		
77	30.8	25.1	37.7
39	51.1	46.1	69.1





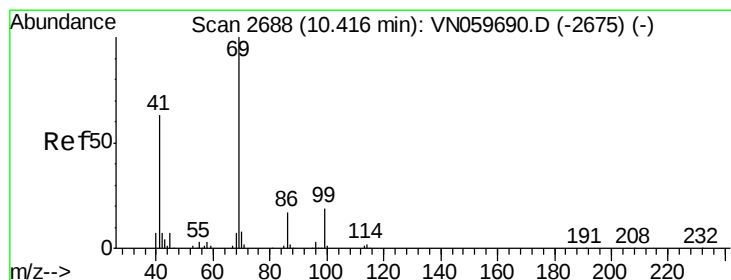
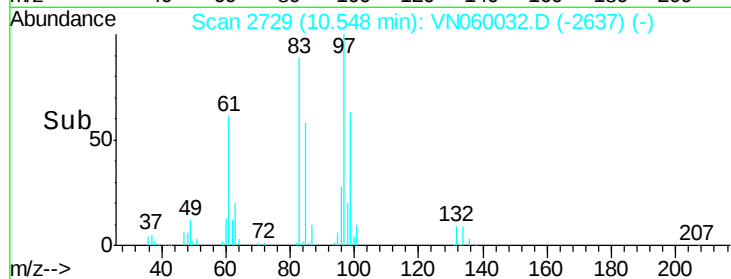
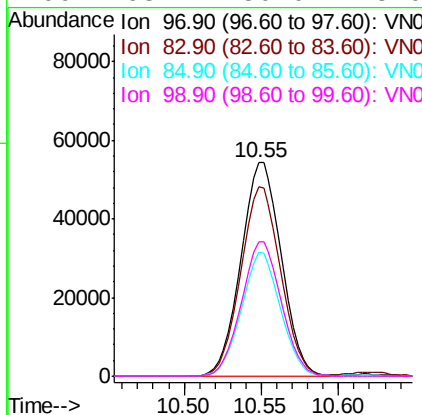
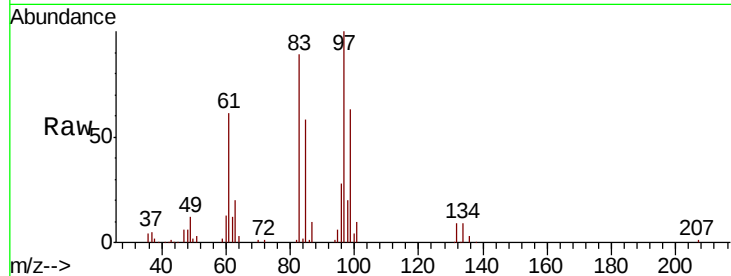
#55
 1,1,2-Trichloroethane
 Concen: 53.428 ug/l
 RT: 10.55 min Scan# 2729
 Delta R.T. -0.00 min
 Lab File: VN060032.D
 Acq: 7 Feb 2020 16:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	98759
Ion	Ratio	Lower	Upper
97	100		
83	88.8	71.3	106.9
85	57.9	45.8	68.8
99	63.1	50.0	75.0

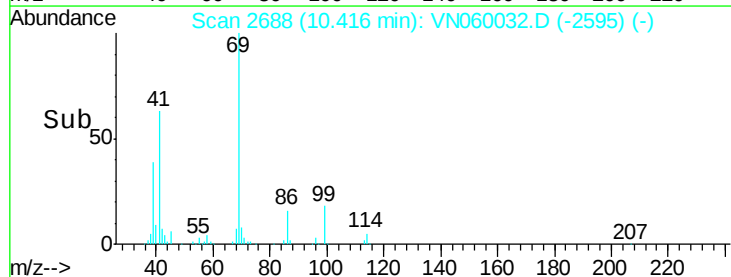
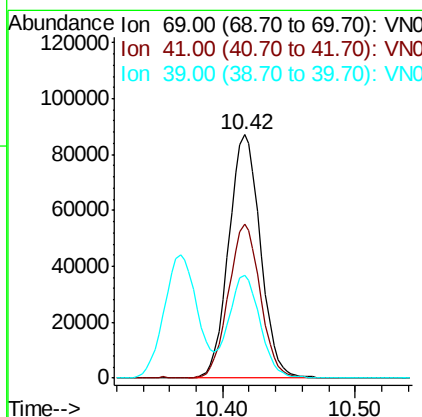
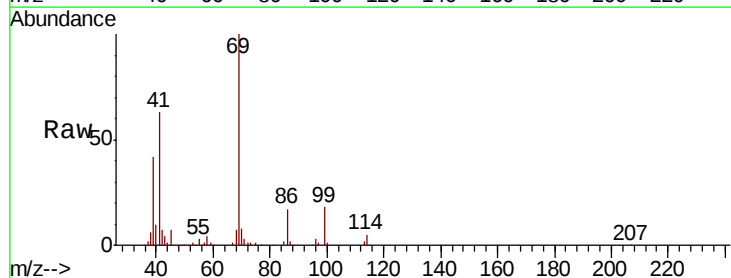
Manual Integrations
 APPROVED

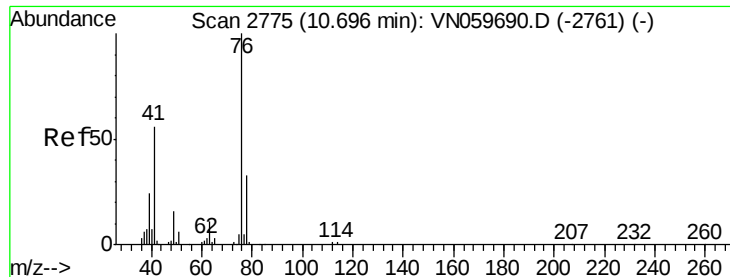
MMDadoda
 2/10/2020 9:32:33 AM



#56
 Ethyl methacrylate
 Concen: 51.129 ug/l
 RT: 10.42 min Scan# 2688
 Delta R.T. 0.00 min
 Lab File: VN060032.D
 Acq: 7 Feb 2020 16:06

Tgt Ion:	69	Resp:	144411
Ion	Ratio	Lower	Upper
69	100		
41	63.9	57.1	85.7
39	41.8	34.7	52.1





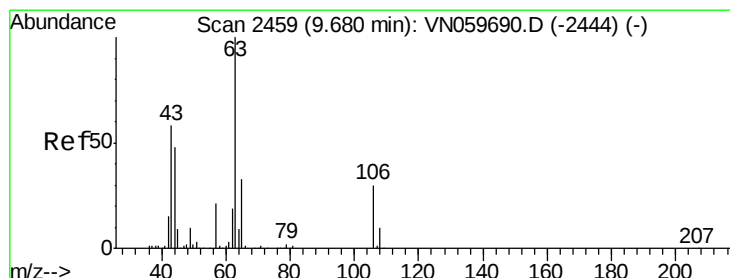
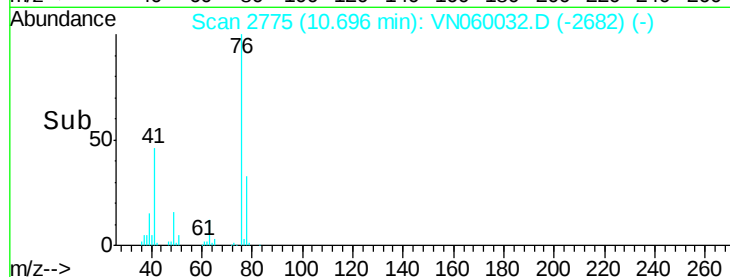
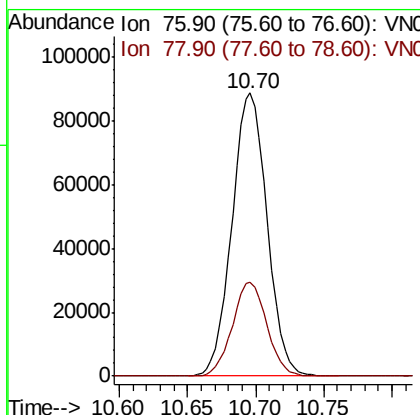
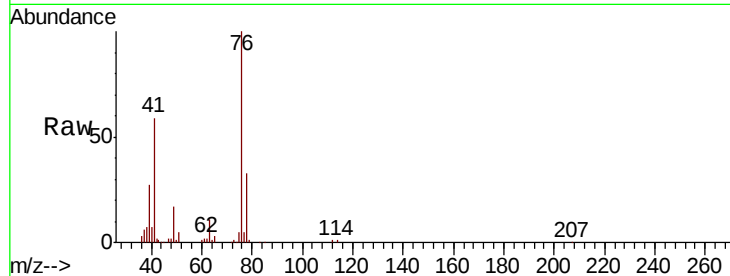
#57
 1,3-Dichloropropane
 Concen: 53.899 ug/l
 RT: 10.70 min Scan# 2775
 Delta R.T. 0.00 min
 Lab File: VN060032.D
 Acq: 7 Feb 2020 16:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.6	25.8	38.8

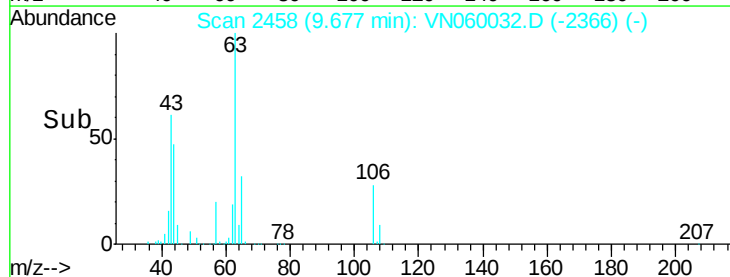
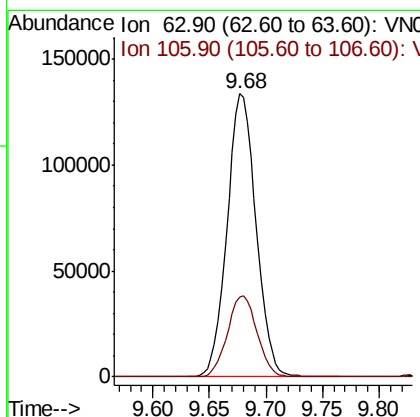
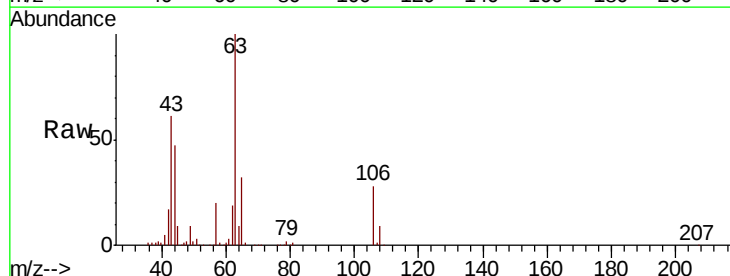
Manual Integrations
 APPROVED

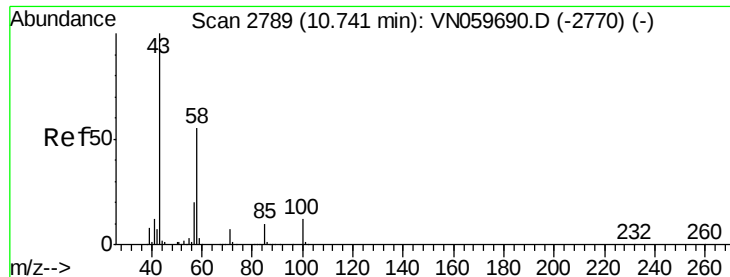
MMDadoda
 2/10/2020 9:32:33 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 279.902 ug/l
 RT: 9.68 min Scan# 2458
 Delta R.T. -0.00 min
 Lab File: VN060032.D
 Acq: 7 Feb 2020 16:06

Tgt Ion	Ratio	Lower	Upper
63	100		
106	29.2	20.2	30.2





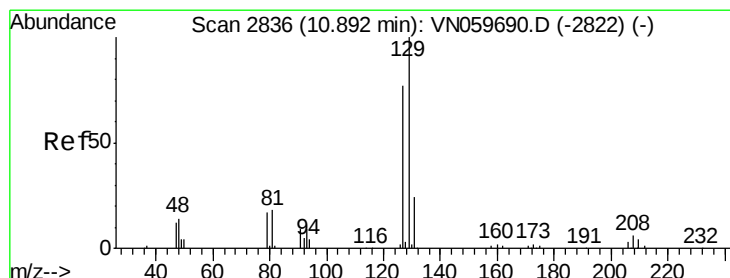
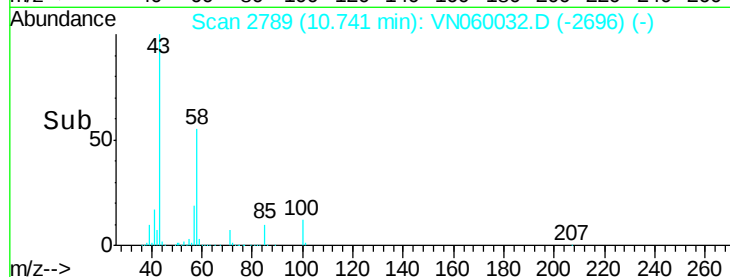
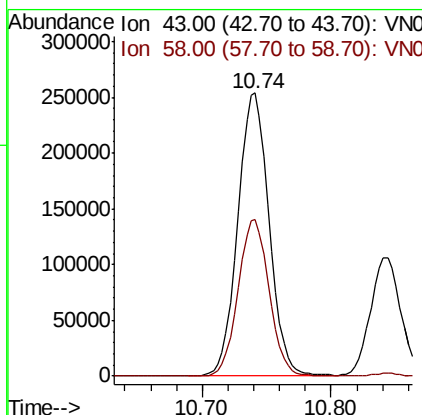
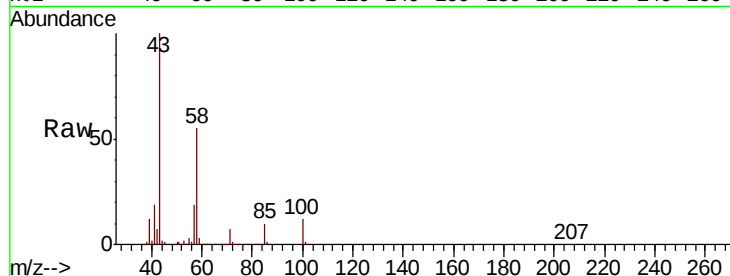
#59
2-Hexanone
Concen: 250.959 ug/l
RT: 10.74 min Scan# 2789
Delta R.T. 0.00 min
Lab File: VN060032.D
Acq: 7 Feb 2020 16:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 427158
Ion Ratio Lower Upper
43 100
58 55.1 25.8 77.3

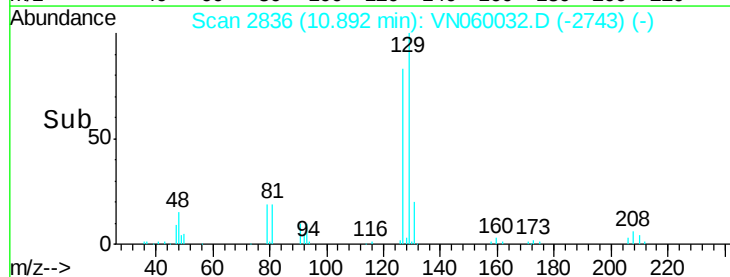
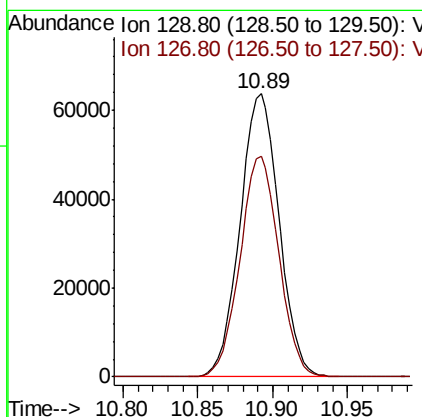
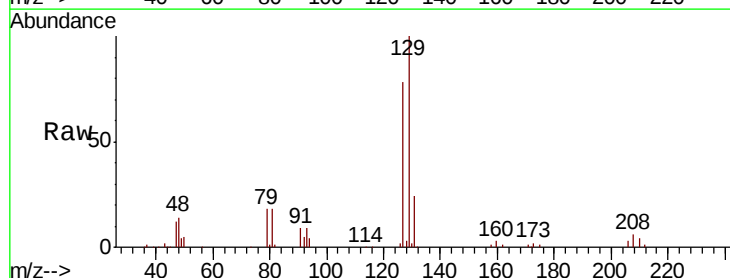
Manual Integrations
APPROVED

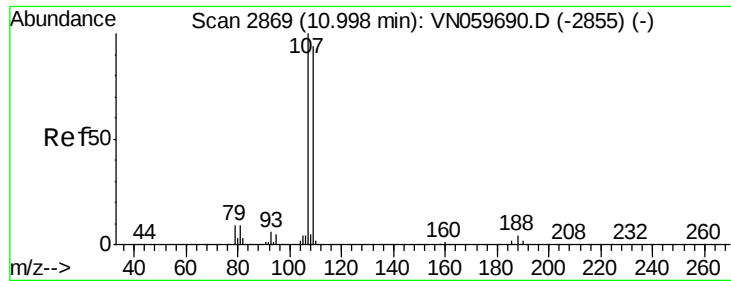
MMDadoda
2/10/2020 9:32:33 AM



#60
Dibromochloromethane
Concen: 54.951 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. 0.00 min
Lab File: VN060032.D
Acq: 7 Feb 2020 16:06

Tgt Ion: 129 Resp: 115667
Ion Ratio Lower Upper
129 100
127 77.6 38.5 115.5





#61

1,2-Dibromoethane

Concen: 52.428 ug/l

RT: 11.00 min Scan# 2868

Delta R.T. -0.00 min

Lab File: VN060032.D

Acq: 7 Feb 2020 16:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 107 Resp: 101573

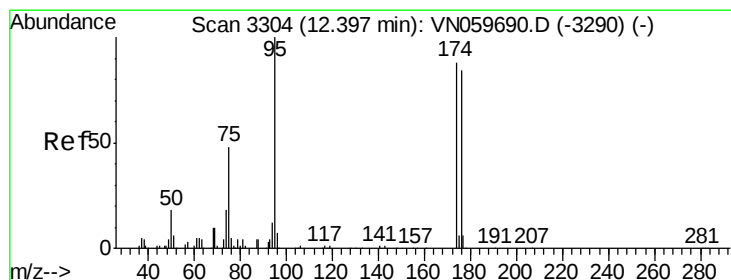
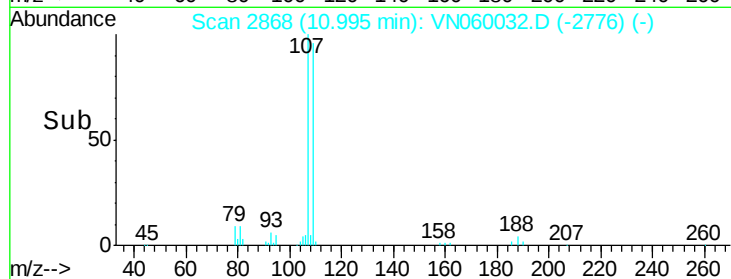
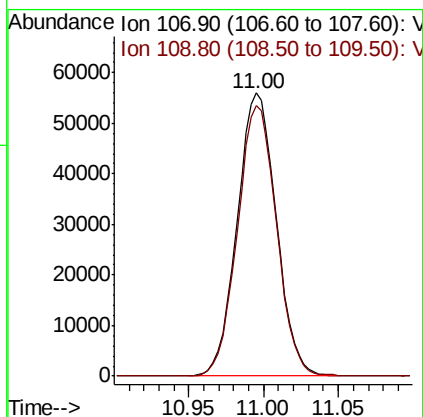
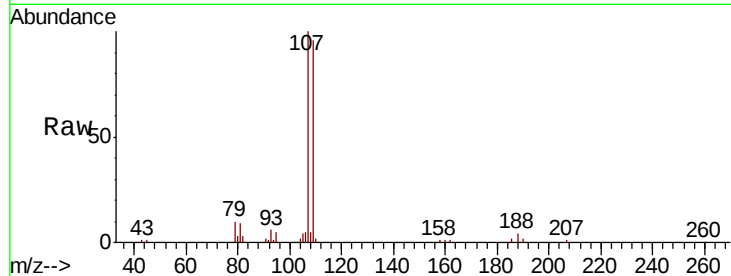
Ion Ratio Lower Upper

107 100

109 95.6 76.6 115.0

Manual Integrations
APPROVED

MMDadoda
2/10/2020 9:32:33 AM



#62

4-Bromofluorobenzene

Concen: 54.246 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.00 min

Lab File: VN060032.D

Acq: 7 Feb 2020 16:06

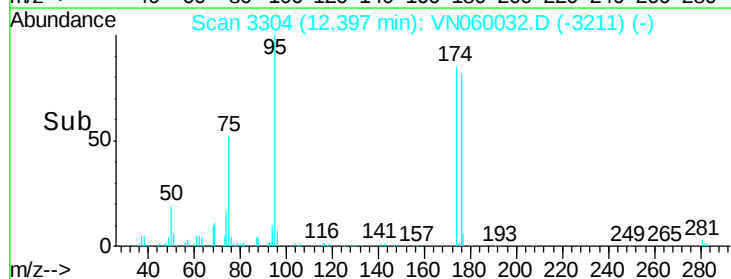
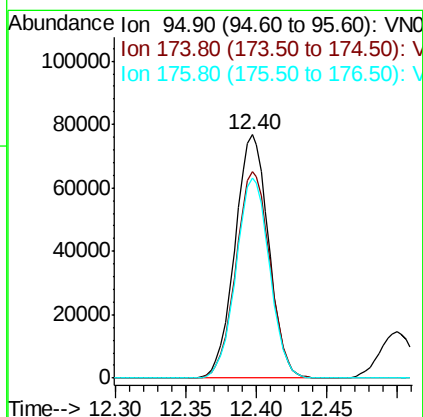
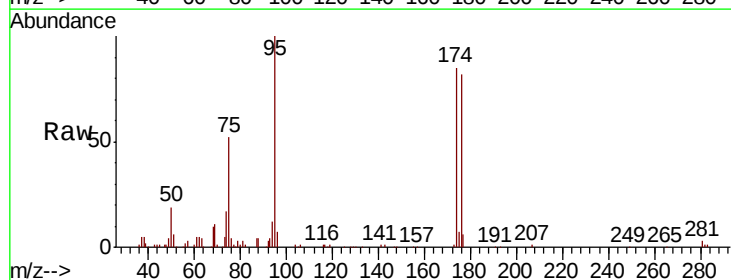
Tgt Ion: 95 Resp: 128546

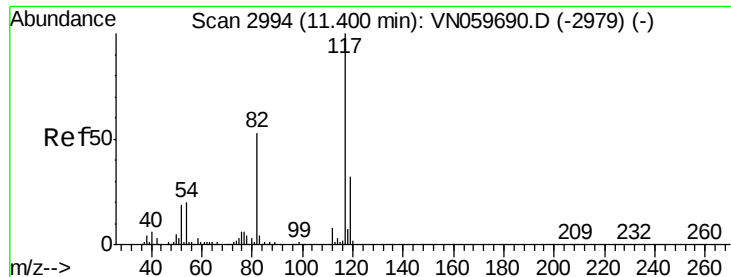
Ion Ratio Lower Upper

95 100

174 85.8 0.0 151.4

176 81.7 0.0 146.0





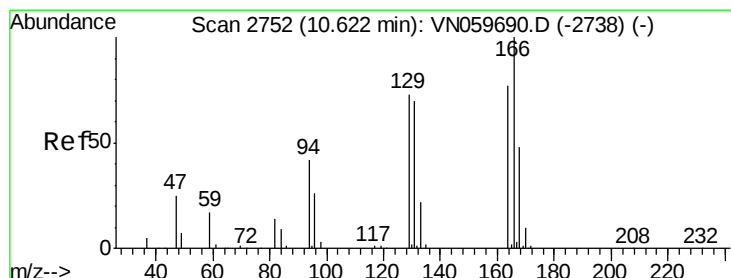
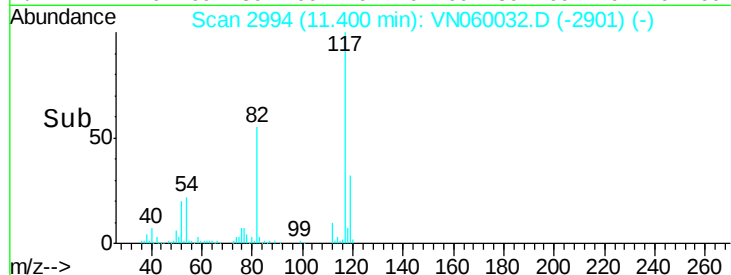
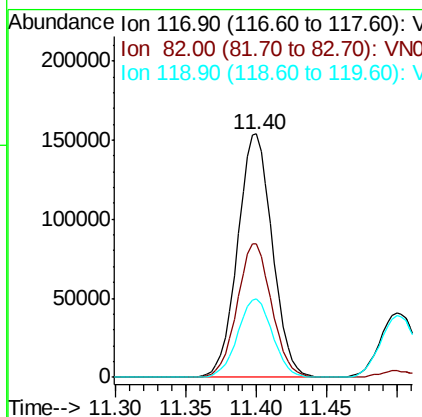
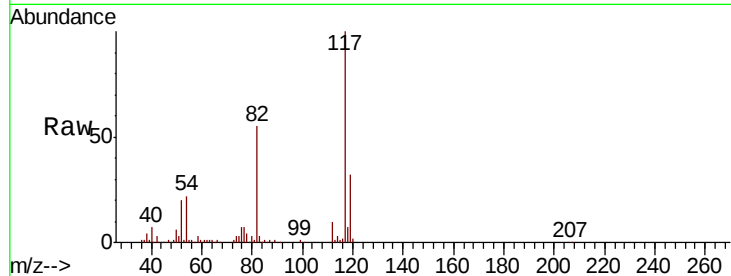
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN060032.D
Acq: 7 Feb 2020 16:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
117	100	265173		
82	54.6		45.9	68.9
119	32.2		25.5	38.3

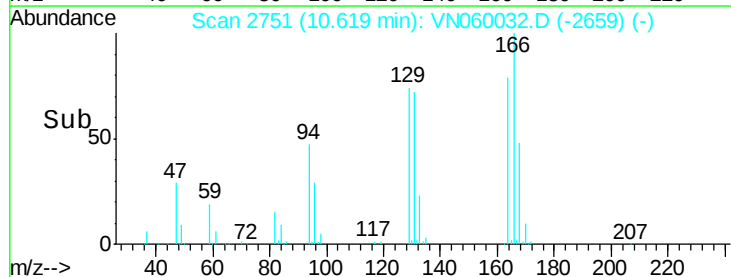
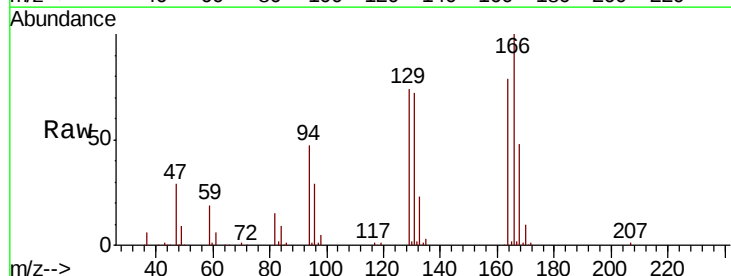
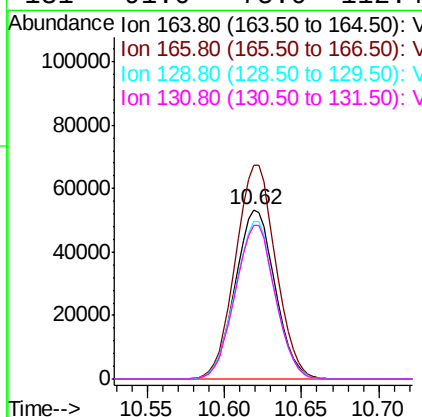
Manual Integrations
APPROVED

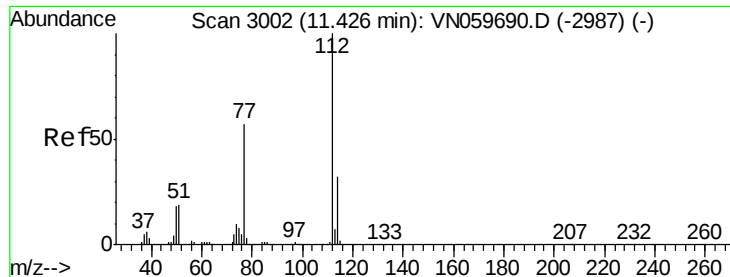
MMDadoda
2/10/2020 9:32:33 AM



#64
Tetrachloroethene
Concen: 44.186 ug/l
RT: 10.62 min Scan# 2751
Delta R.T. -0.00 min
Lab File: VN060032.D
Acq: 7 Feb 2020 16:06

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	95493		
166	126.0		101.4	152.0
129	92.8		80.2	120.4
131	91.0		75.0	112.4





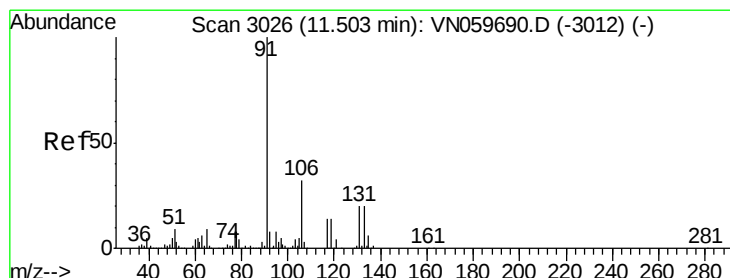
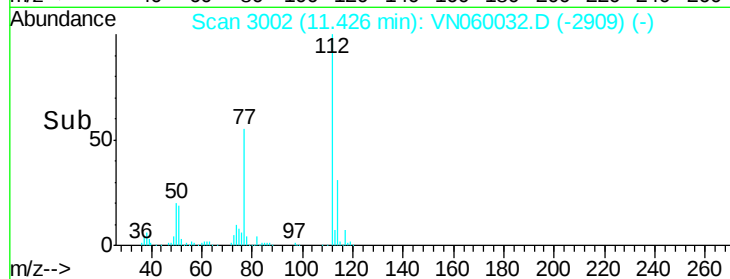
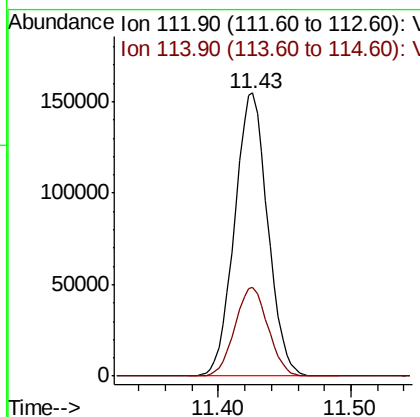
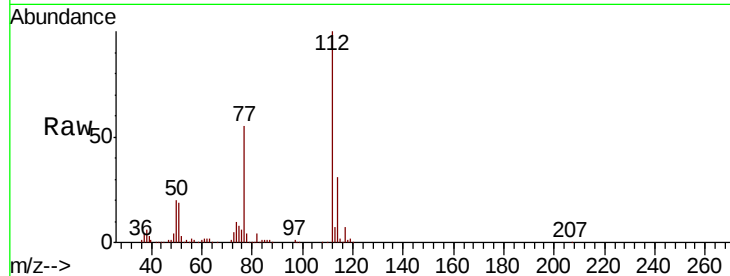
#65
Chlorobenzene
Concen: 51.427 ug/l
RT: 11.43 min Scan# 3002
Delta R.T. 0.00 min
Lab File: VN060032.D
Acq: 7 Feb 2020 16:06

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050EC

Tot Ion:112 Resp: 268040
Ion Ratio Lower Upper
112 100
114 31.5 25.8 38.8

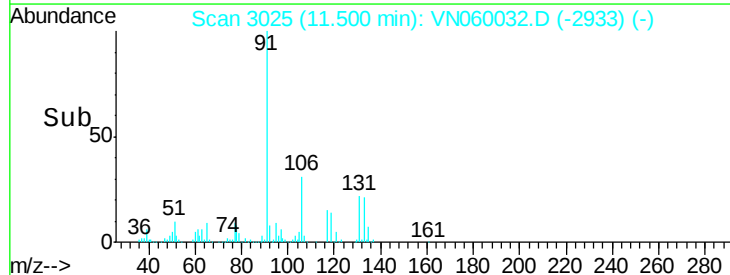
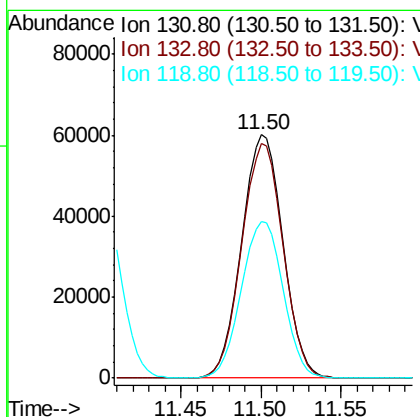
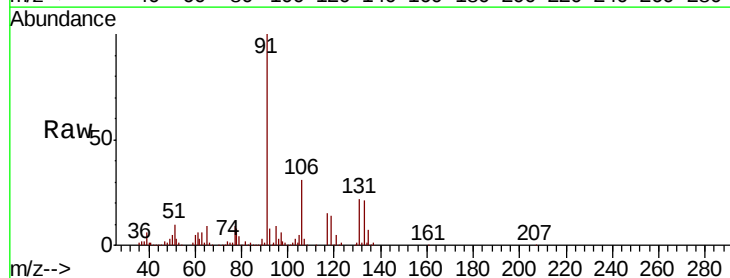
Manual Integrations
APPROVED

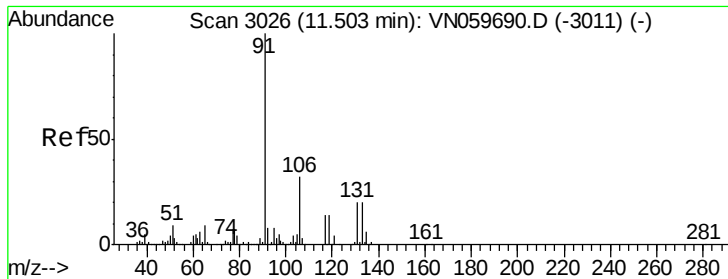
MMDadoda
2/10/2020 9:32:33 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 52.570 ug/l
RT: 11.50 min Scan# 3025
Delta R.T. -0.00 min
Lab File: VN060032.D
Acq: 7 Feb 2020 16:06

Tgt Ion:131 Resp: 105872
Ion Ratio Lower Upper
131 100
133 96.8 47.4 142.2
119 65.3 33.1 99.3





#67

Ethyl Benzene

Concen: 50.322 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. 0.00 min

Lab File: VN060032.D

Acq: 7 Feb 2020 16:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 476125

Ion Ratio Lower Upper

91 100

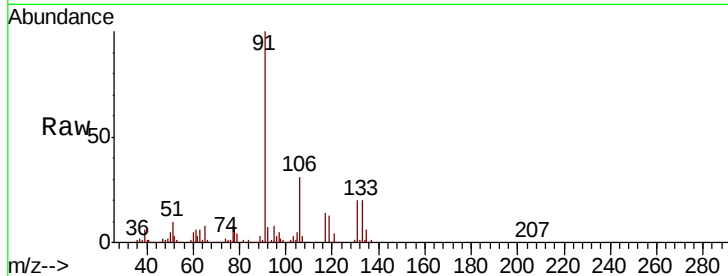
106 30.9 24.1 36.1

Manual Integrations

APPROVED

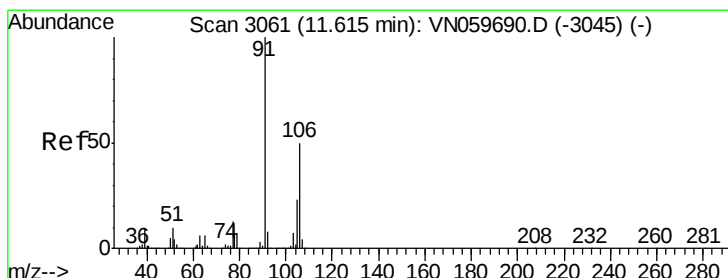
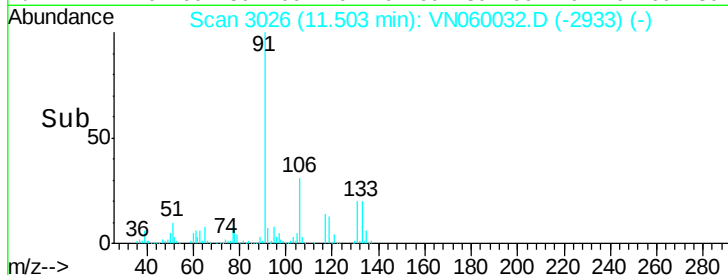
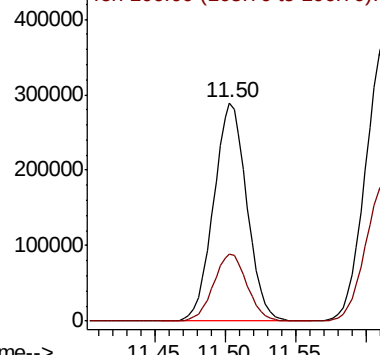
MMDadoda

2/10/2020 9:32:33 AM



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 100.498 ug/l

RT: 11.62 min Scan# 3061

Delta R.T. 0.00 min

Lab File: VN060032.D

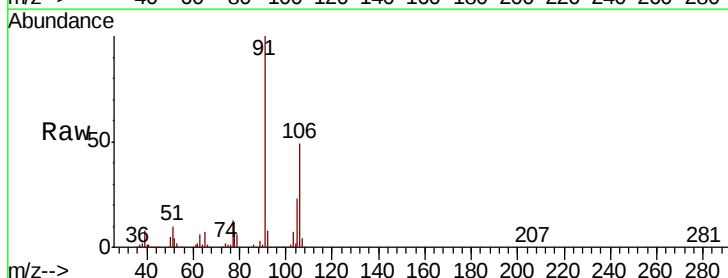
Acq: 7 Feb 2020 16:06

Tgt Ion: 106 Resp: 359183

Ion Ratio Lower Upper

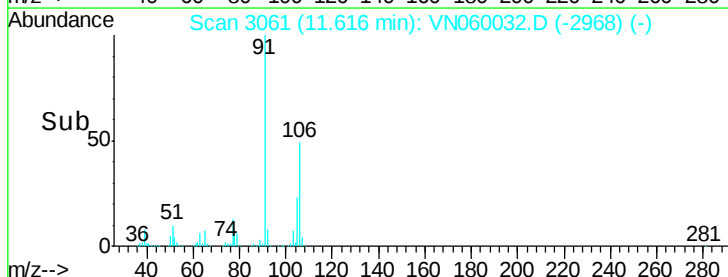
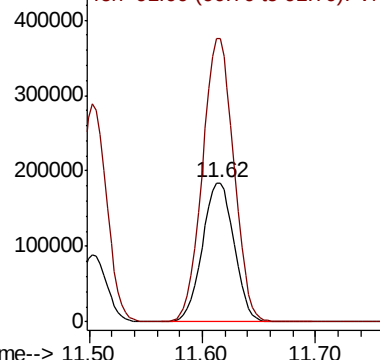
106 100

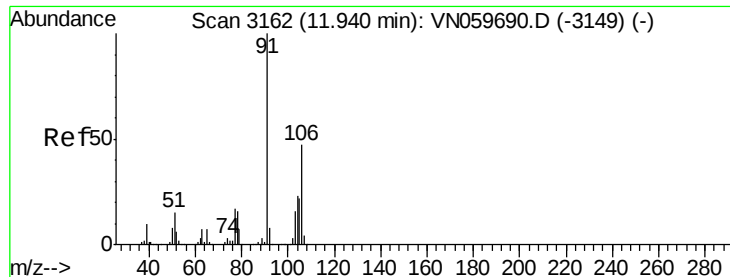
91 201.5 167.9 251.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0





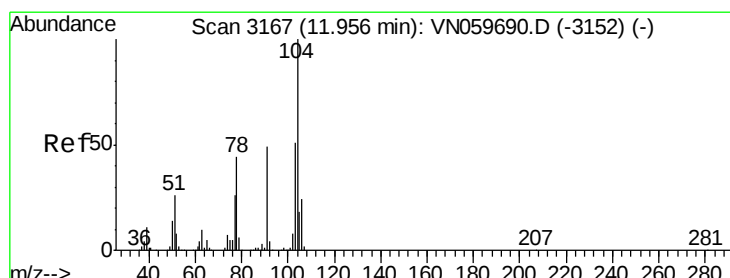
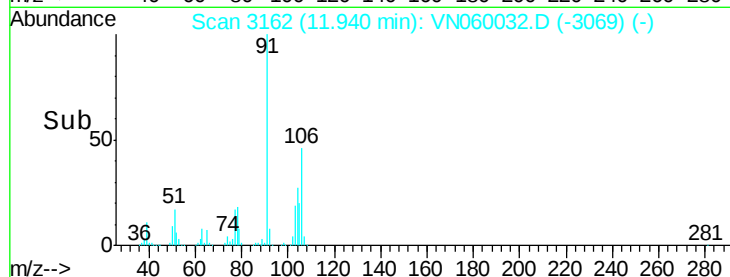
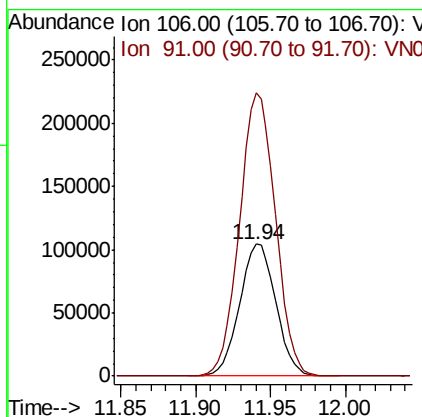
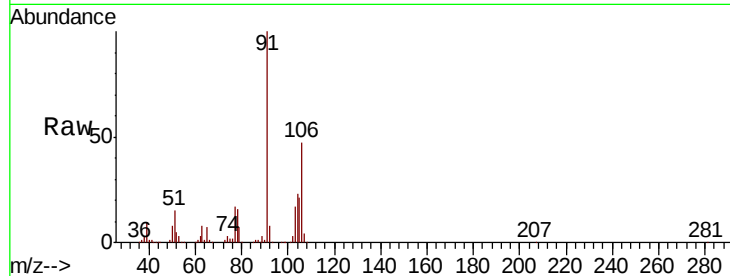
#69
o-Xylene
Concen: 50.228 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. 0.00 min
Lab File: VN060032.D
Acq: 7 Feb 2020 16:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	213.0	110.3	330.9	

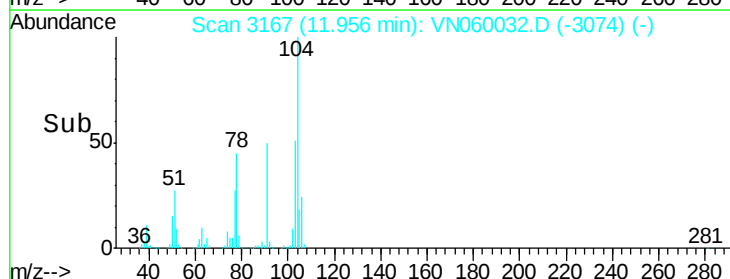
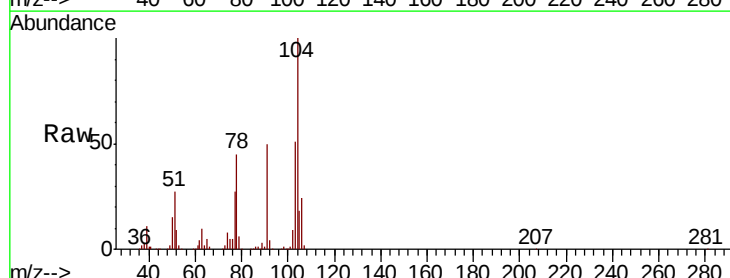
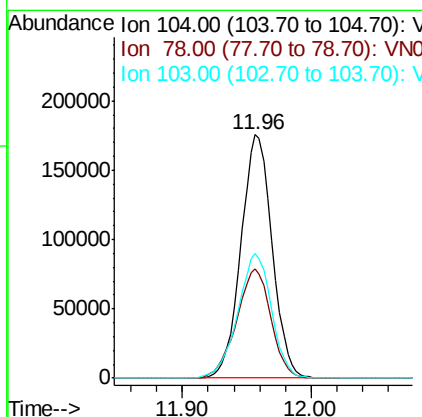
Manual Integrations
APPROVED

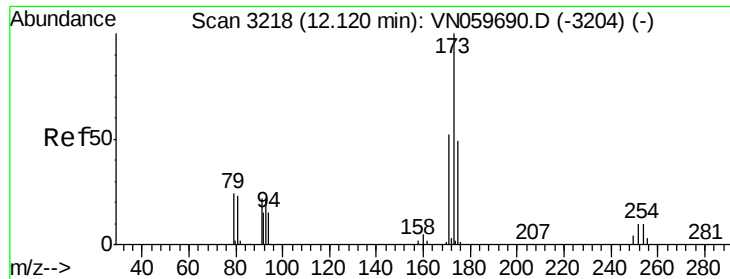
MMDadoda
2/10/2020 9:32:33 AM



#70
Styrene
Concen: 50.483 ug/l
RT: 11.96 min Scan# 3167
Delta R.T. 0.00 min
Lab File: VN060032.D
Acq: 7 Feb 2020 16:06

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	49.3	42.4	63.6	
103	55.4	43.9	65.9	





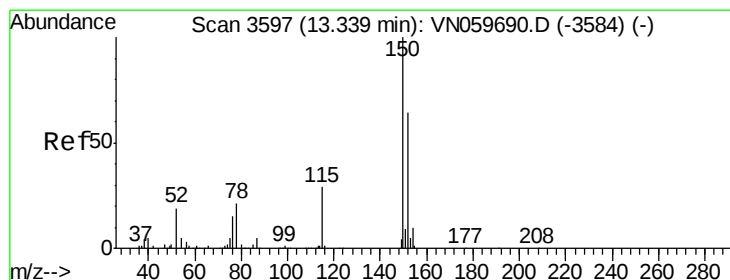
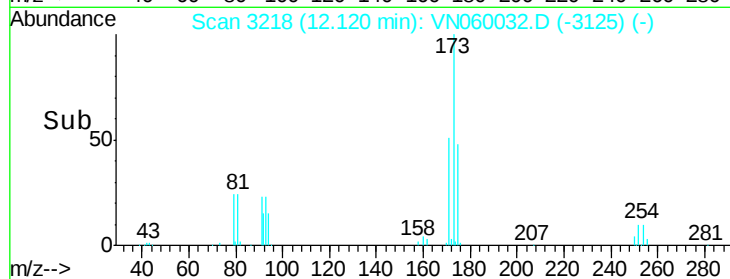
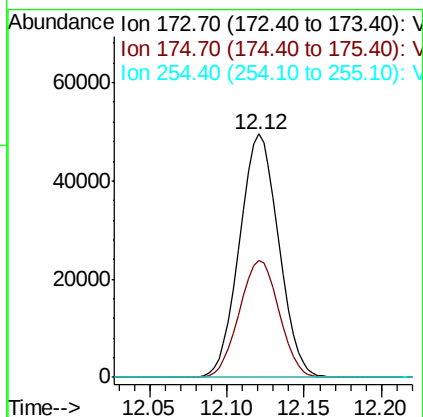
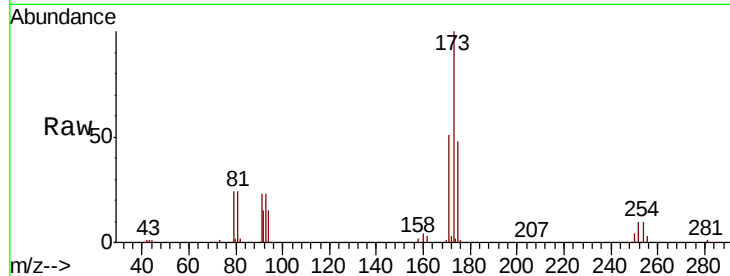
#71
Bromoform
Concen: 54.241 ug/l
RT: 12.12 min Scan# 3218
Delta R.T. 0.00 min
Lab File: VN060032.D
Acq: 7 Feb 2020 16:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.6	23.8	71.4
254	0.0	0.0	0.0

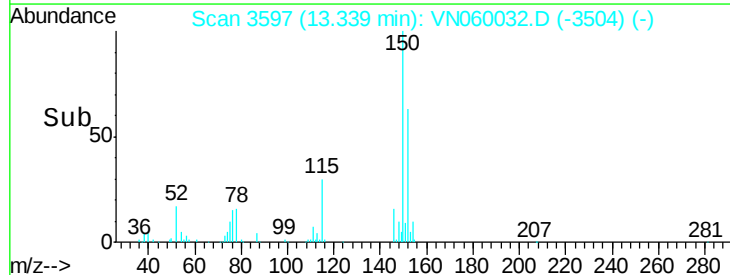
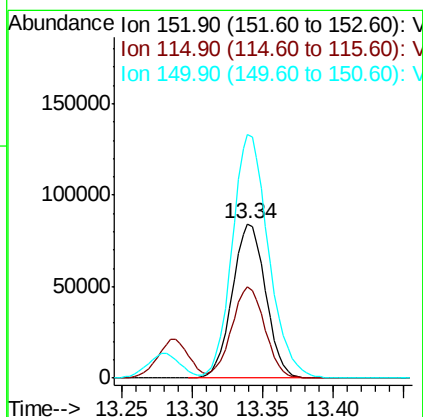
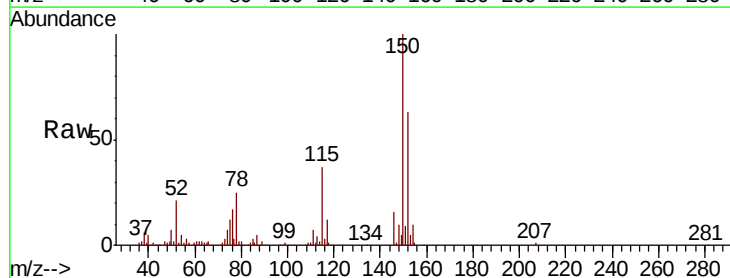
Manual Integrations
APPROVED

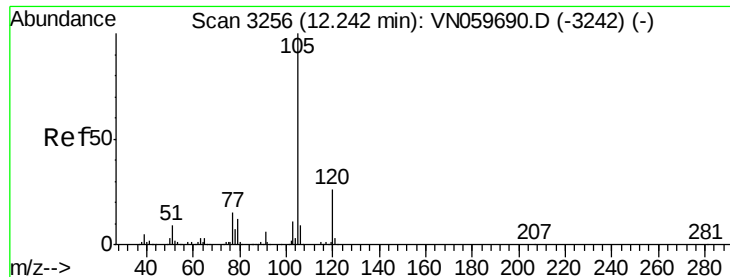
MMDadoda
2/10/2020 9:32:33 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. 0.00 min
Lab File: VN060032.D
Acq: 7 Feb 2020 16:06

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.7	30.3	90.9
150	171.7	0.0	345.2





#73

Isopropylbenzene

Concen: 47.103 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. 0.00 min

Lab File: VN060032.D

Acq: 7 Feb 2020 16:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 105 Resp: 482755

Ion Ratio Lower Upper

105 100

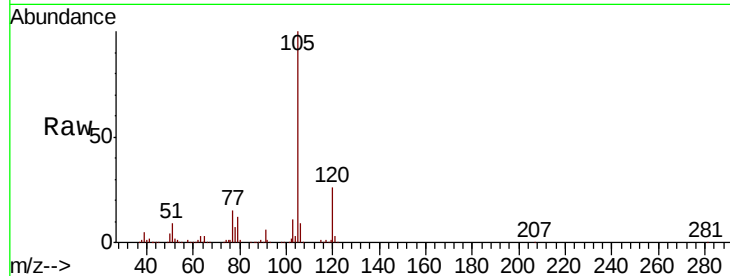
120 26.3 13.2 39.5

Manual Integrations

APPROVED

MMDadoda

2/10/2020 9:32:33 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.25

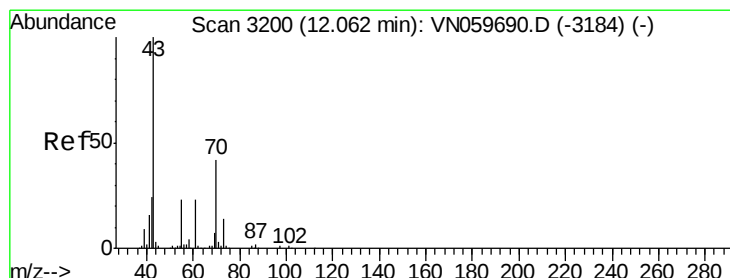
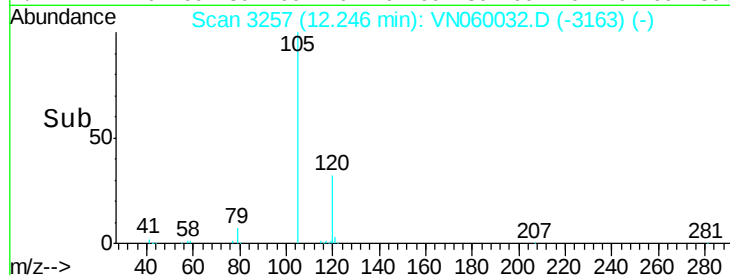
300000

200000

100000

0

Time--> 12.15 12.20 12.25 12.30



#74

N-ethyl acetate

Concen: 45.892 ug/l

RT: 12.06 min Scan# 3200

Delta R.T. 0.00 min

Lab File: VN060032.D

Acq: 7 Feb 2020 16:06

Tgt Ion: 43 Resp: 182507

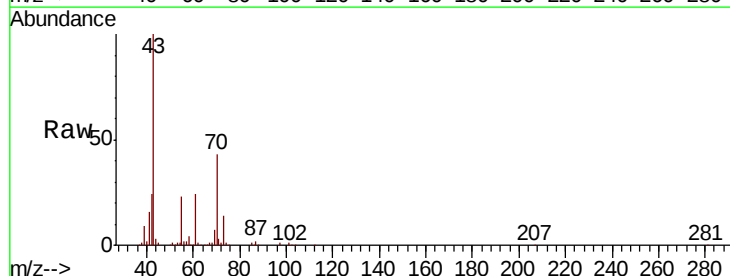
Ion Ratio Lower Upper

43 100

70 43.0 31.3 46.9

55 23.5 19.8 29.6

61 24.4 18.3 27.5



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

12.06

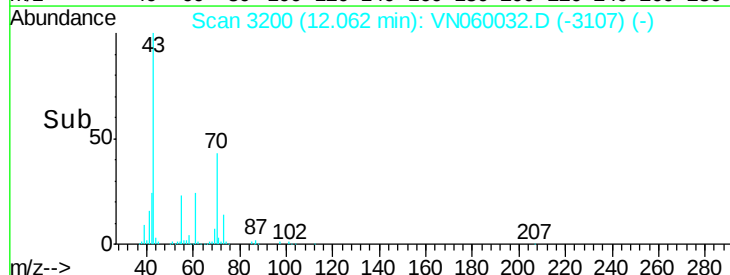
150000

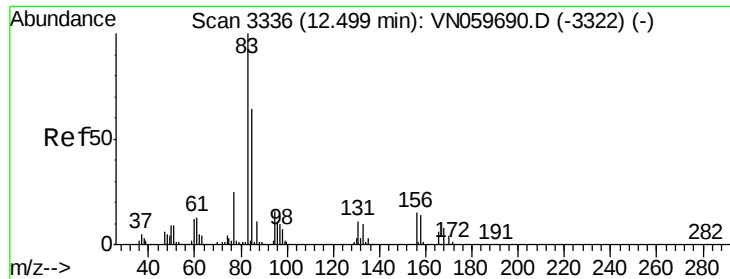
100000

50000

0

Time--> 12.00 12.10





#75

1,1,2,2-Tetrachloroethane

Concen: 49.384 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN060032.D

Acq: 7 Feb 2020 16:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 83 Resp: 146728

Ion Ratio Lower Upper

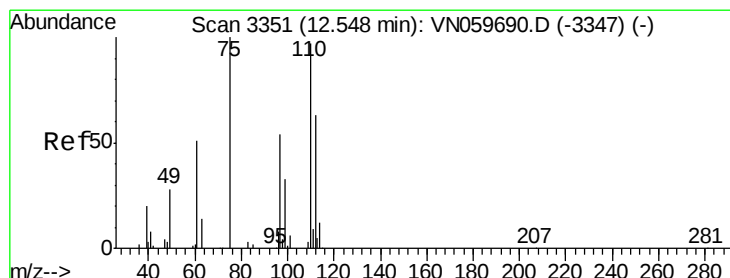
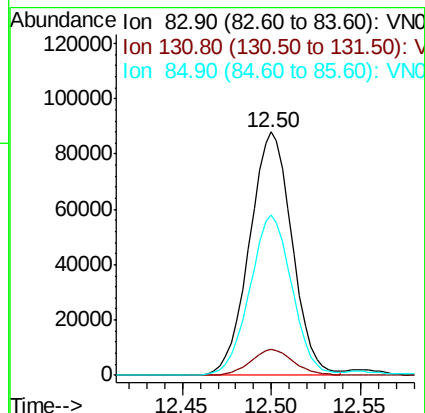
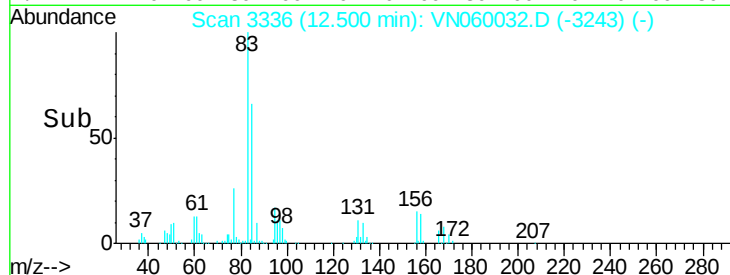
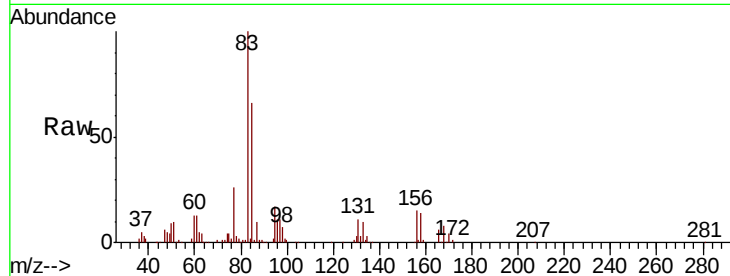
83 100

131 10.9 5.0 14.9

85 65.2 31.9 95.5

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#76

1,2,3-Trichloropropane

Concen: 54.621 ug/l m

RT: 12.55 min Scan# 3351

Delta R.T. 0.00 min

Lab File: VN060032.D

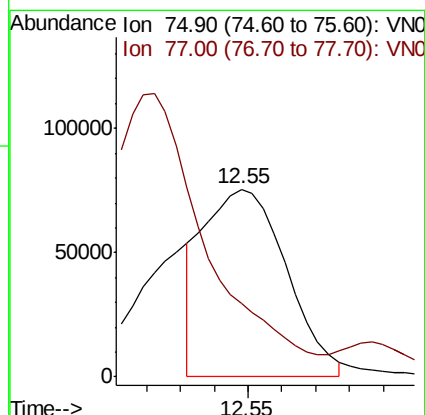
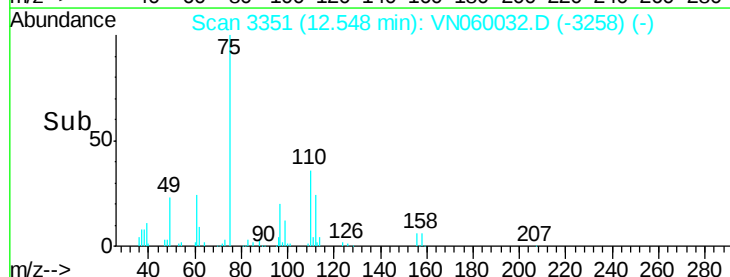
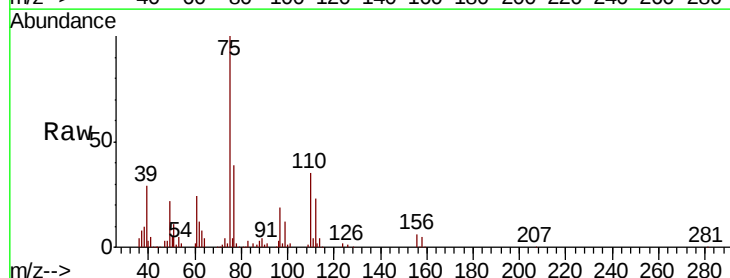
Acq: 7 Feb 2020 16:06

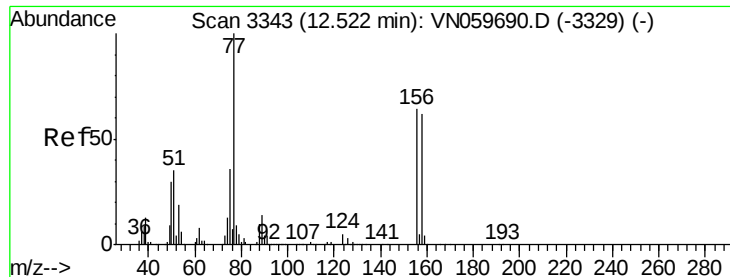
Tgt Ion: 75 Resp: 128458

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 47.050 ug/l

RT: 12.52 min Scan# 3342

Delta R.T. -0.00 min

Lab File: VN060032.D

Acq: 7 Feb 2020 16:06

Instrument :

MSVOA_N

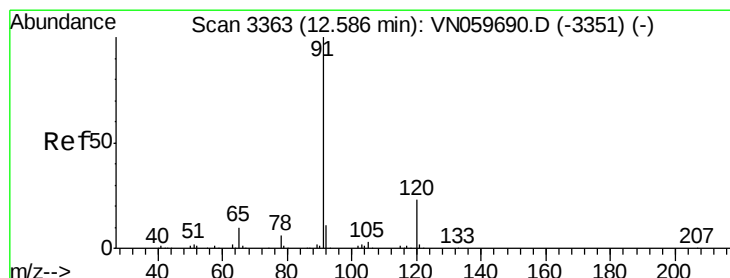
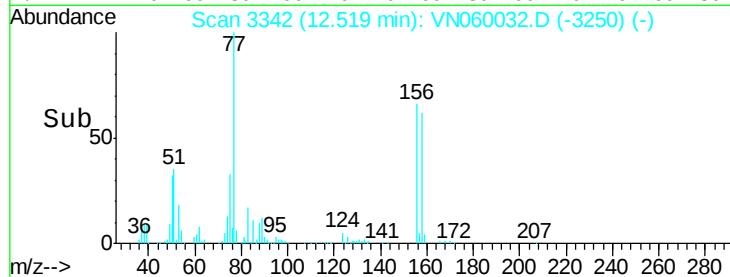
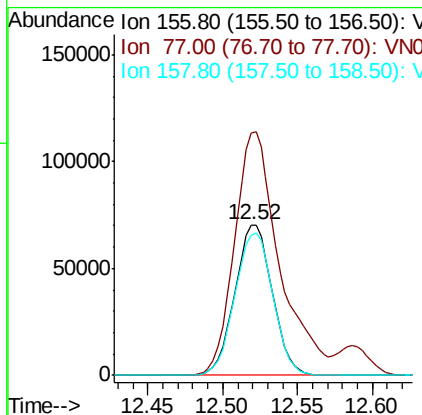
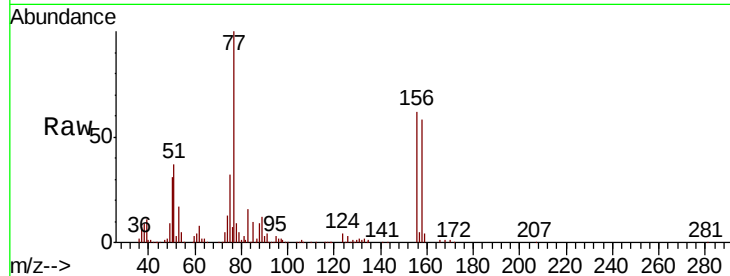
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	122114
Ion Ratio	Lower	Upper	
156	100		
77	195.4	115.8	347.4
158	96.7	49.2	147.6

Manual Integrations
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#78

n-propylbenzene

Concen: 48.341 ug/l

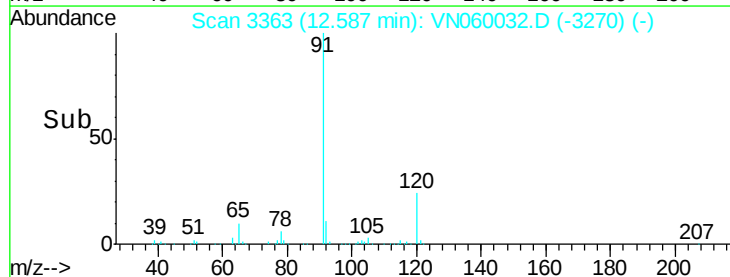
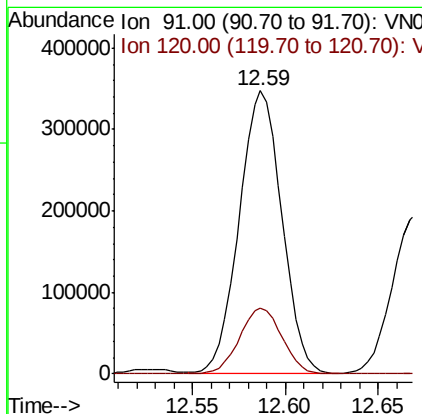
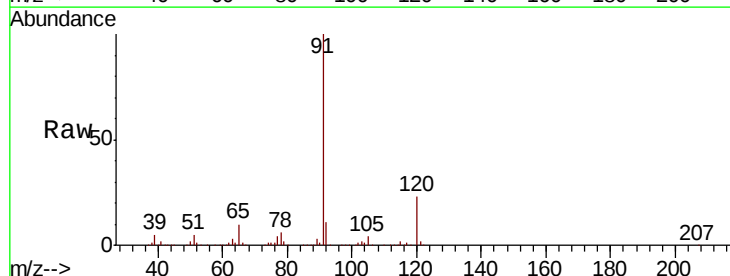
RT: 12.59 min Scan# 3363

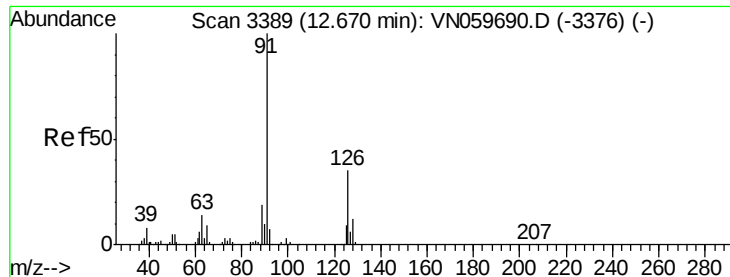
Delta R.T. 0.00 min

Lab File: VN060032.D

Acq: 7 Feb 2020 16:06

Tgt Ion:	91	Resp:	556079
Ion Ratio	Lower	Upper	
91	100		
120	23.0	11.1	33.3





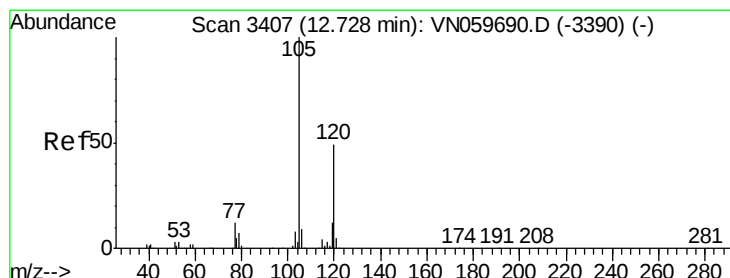
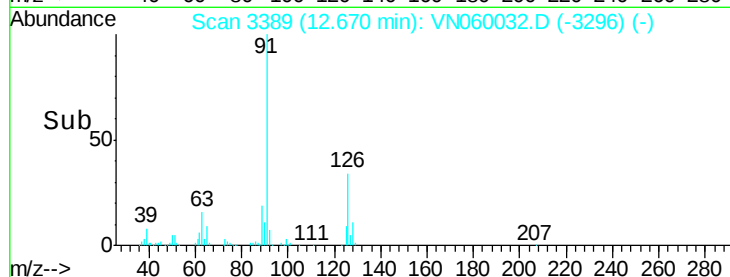
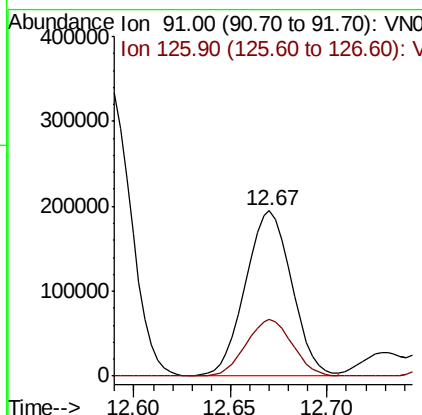
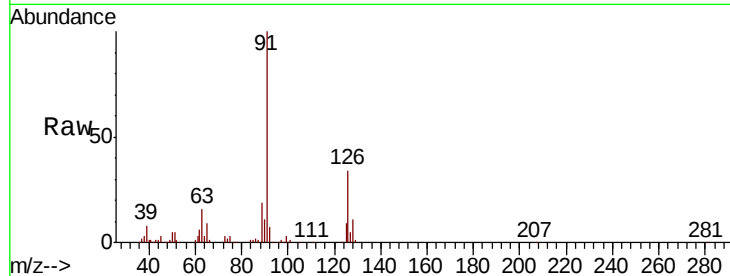
#79
 2-Chlorotoluene
 Concen: 47.678 ug/l
 RT: 12.67 min Scan# 3389
 Delta R.T. 0.00 min
 Lab File: VN060032.D
 Acq: 7 Feb 2020 16:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 91 Resp: 326280
 Ion Ratio Lower Upper
 91 100
 126 34.3 16.3 48.9

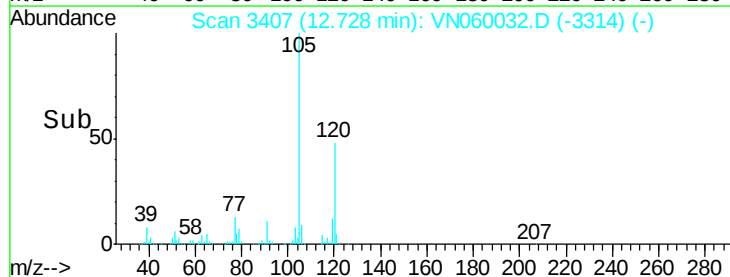
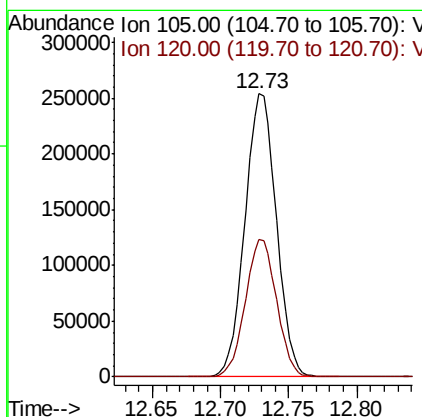
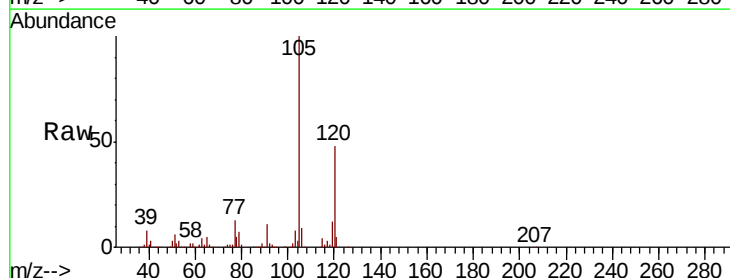
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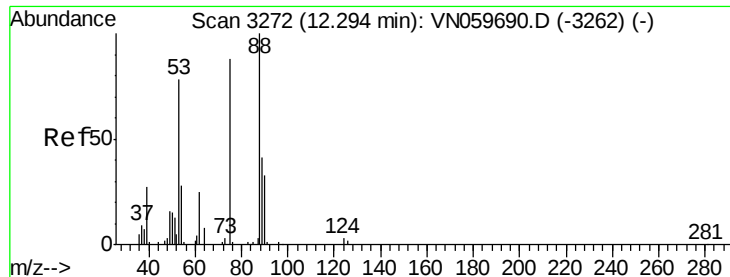
MMDadoda
 2/10/2020 9:32:33 AM



#80
 1,3,5-Trimethylbenzene
 Concen: 47.105 ug/l
 RT: 12.73 min Scan# 3407
 Delta R.T. 0.00 min
 Lab File: VN060032.D
 Acq: 7 Feb 2020 16:06

Tgt Ion: 105 Resp: 406012
 Ion Ratio Lower Upper
 105 100
 120 48.4 24.1 72.4





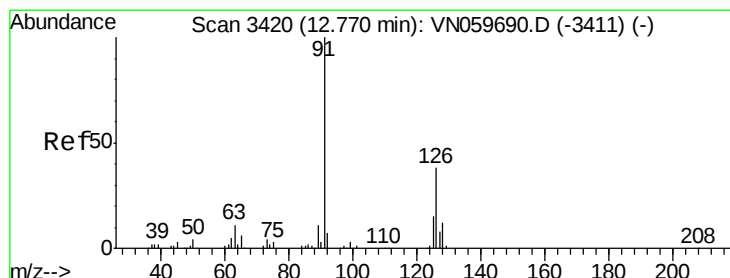
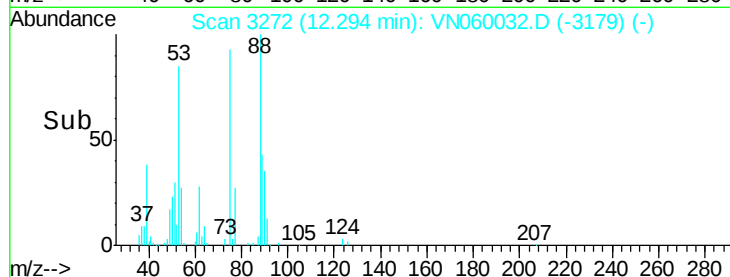
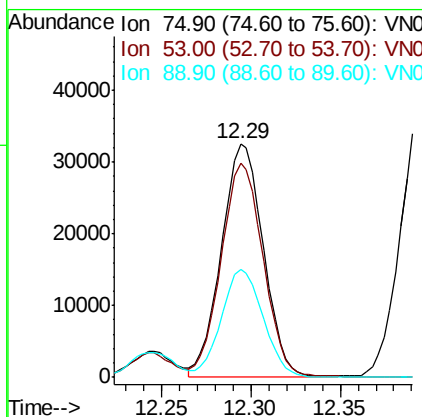
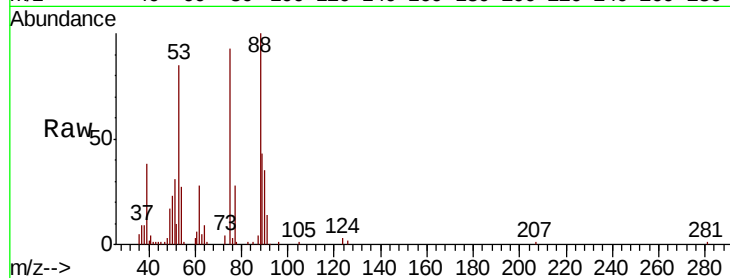
#81
trans-1,4-Dichloro-2-butene
Concen: 48.483 ug/l
RT: 12.29 min Scan# 3272
Delta R.T. 0.00 min
Lab File: VN060032.D
Acq: 7 Feb 2020 16:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	92.7	78.1	117.1
89	46.1	35.4	53.2

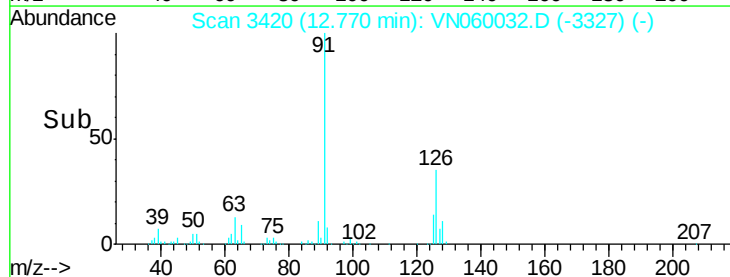
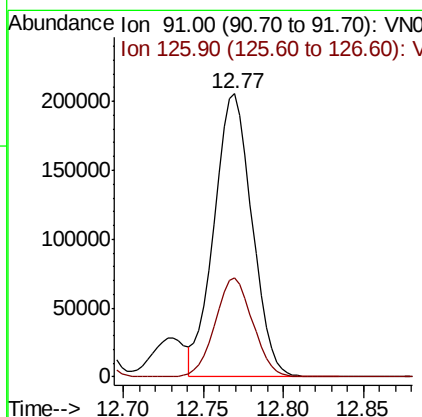
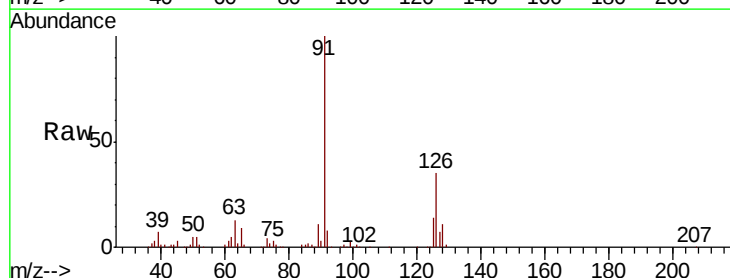
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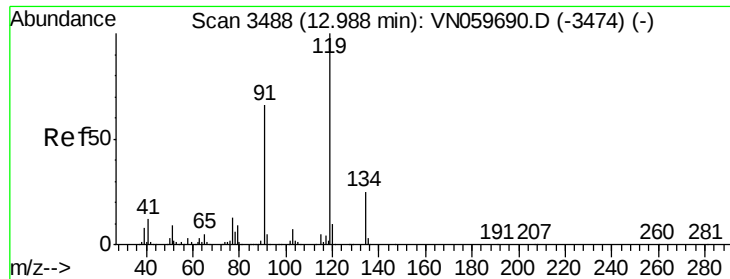
MMDadoda
2/10/2020 9:32:33 AM



#82
4-Chlorotoluene
Concen: 48.818 ug/l
RT: 12.77 min Scan# 3420
Delta R.T. 0.00 min
Lab File: VN060032.D
Acq: 7 Feb 2020 16:06

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.7	16.3	48.8





#83

tert-Butylbenzene

Concen: 47.248 ug/l

RT: 12.99 min Scan# 3489

Delta R.T. 0.00 min

Lab File: VN060032.D

Acq: 7 Feb 2020 16:06

Instrument :

MSVOA_N

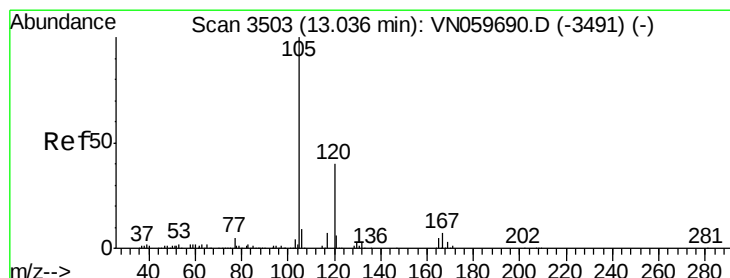
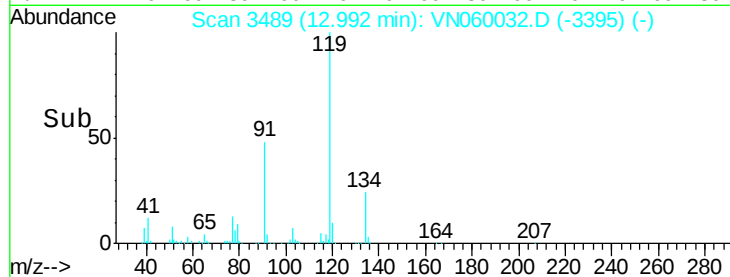
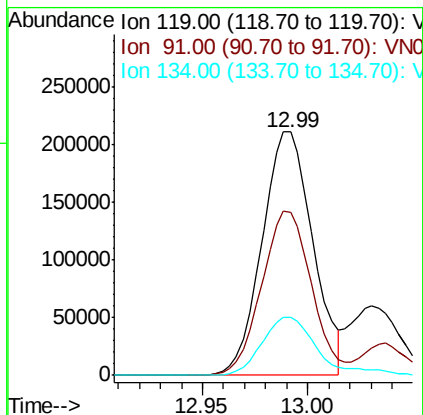
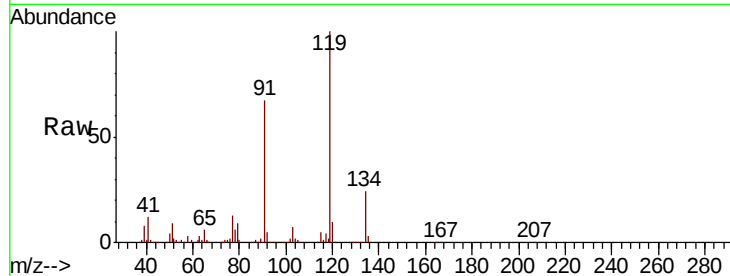
ClientSampleId :

VSTDCCC050EC

Tot Ion:	119	Resp:	352216
Ion Ratio	Lower	Upper	
119	100		
91	66.0	34.8	104.4
134	26.1	12.3	36.9

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 47.890 ug/l

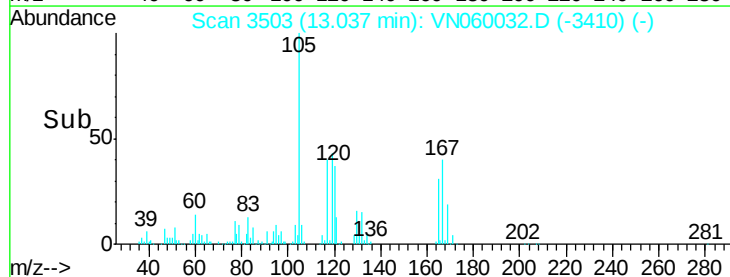
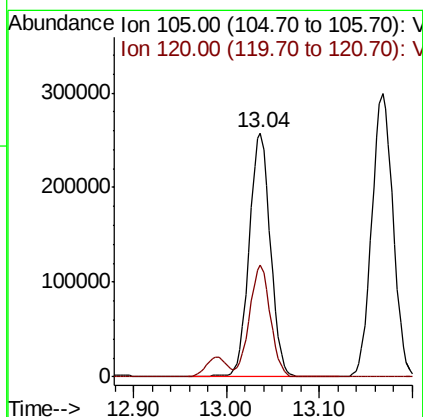
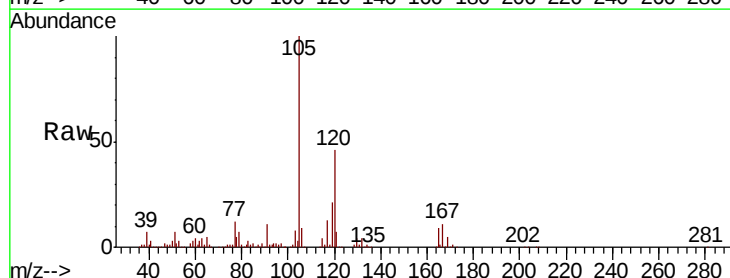
RT: 13.04 min Scan# 3503

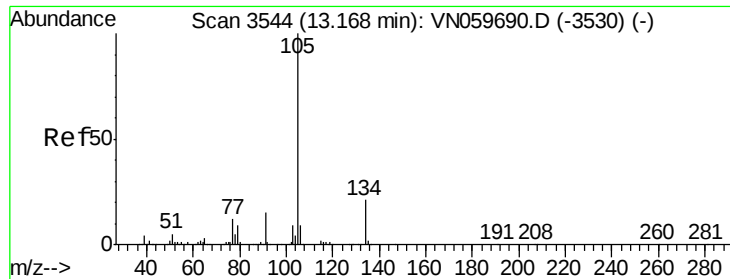
Delta R.T. 0.00 min

Lab File: VN060032.D

Acq: 7 Feb 2020 16:06

Tgt Ion:	105	Resp:	408367
Ion Ratio	Lower	Upper	
105	100		
120	45.2	22.3	66.9





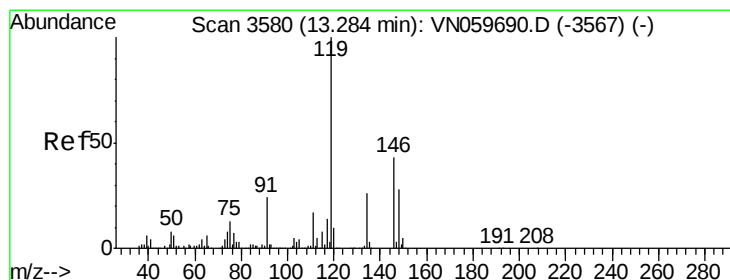
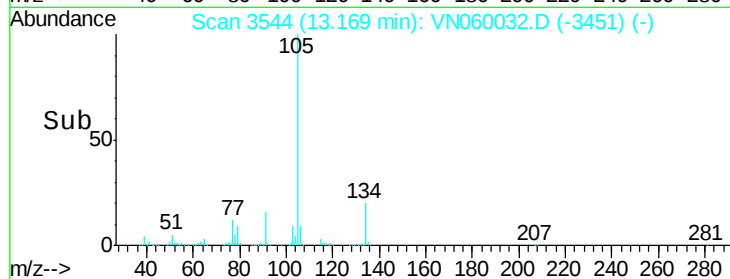
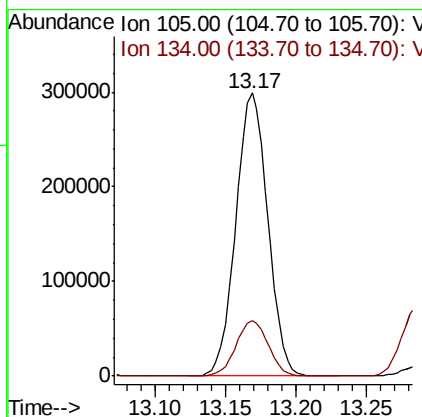
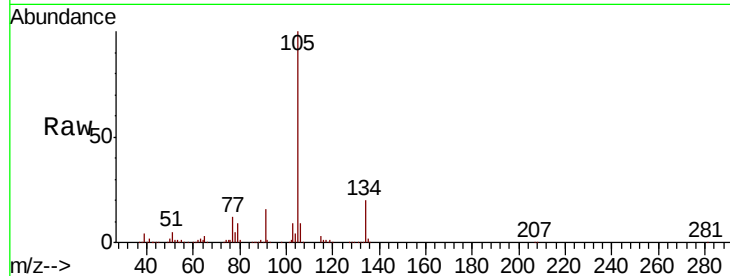
#85
 sec-Butylbenzene
 Concen: 48.566 ug/l
 RT: 13.17 min Scan# 3544
 Delta R.T. 0.00 min
 Lab File: VN060032.D
 Acq: 7 Feb 2020 16:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
105	100	475664		
134	19.9	9.8	29.5	

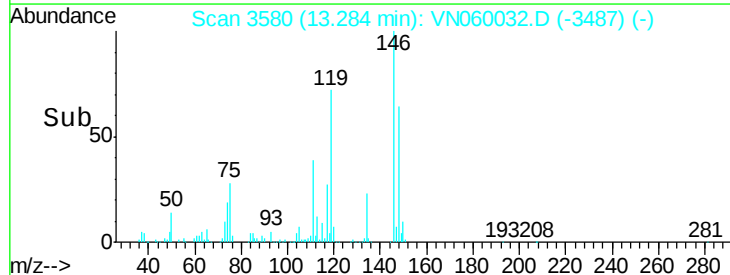
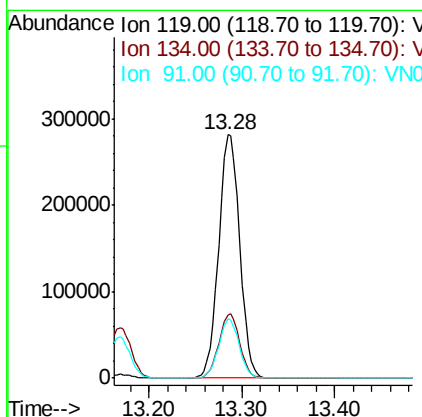
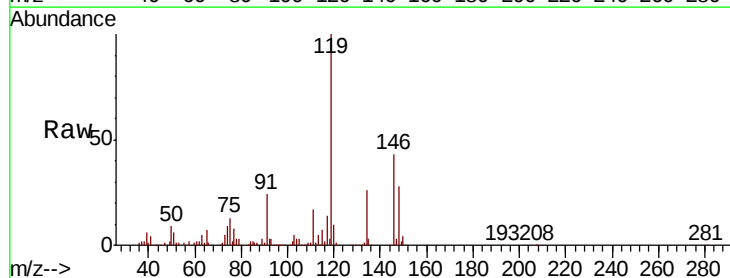
Manual Integrations
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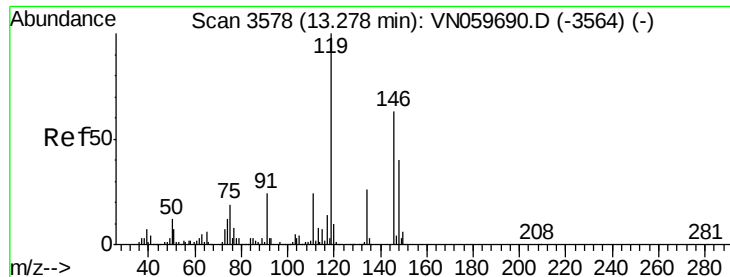
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#86
 p-Isopropyltoluene
 Concen: 48.709 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN060032.D
 Acq: 7 Feb 2020 16:06

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	441431		
134	26.2	12.9	38.7	
91	23.9	12.4	37.4	





#87

1,3-Dichlorobenzene

Concen: 48.990 ug/l

RT: 13.28 min Scan# 3578

Delta R.T. 0.00 min

Lab File: VN060032.D

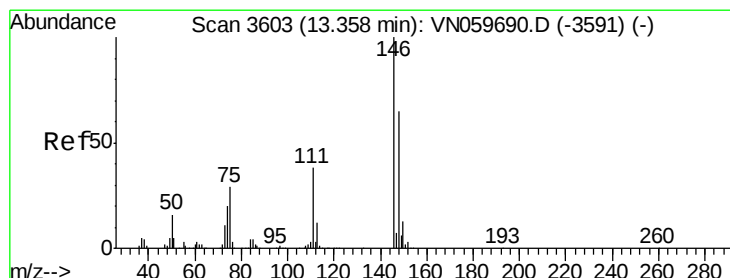
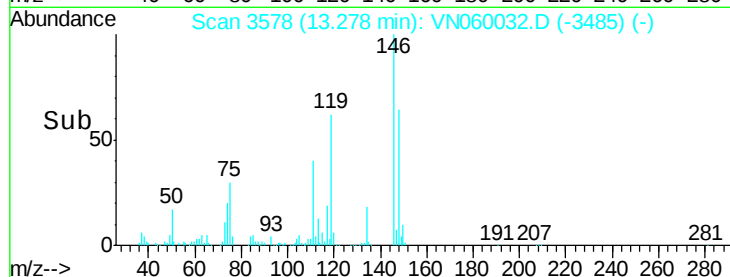
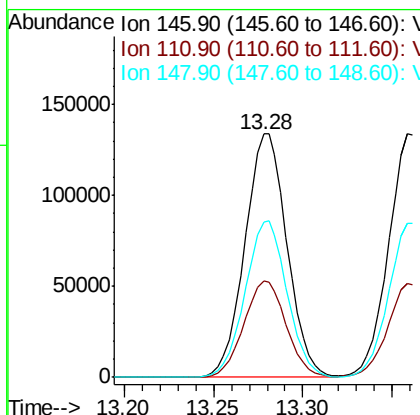
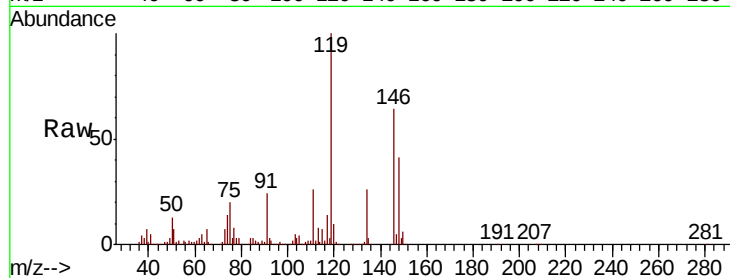
Acq: 7 Feb 2020 16:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.8	20.8	62.2
148	63.9	32.0	96.0

Manual Integrations
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2/10/2020 9:32:33 AM



#88

1,4-Dichlorobenzene

Concen: 48.840 ug/l

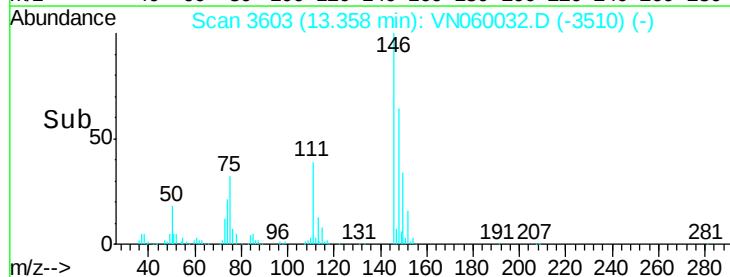
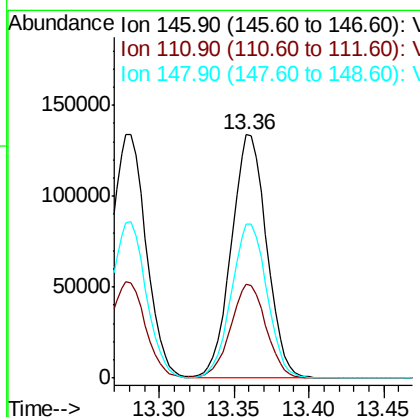
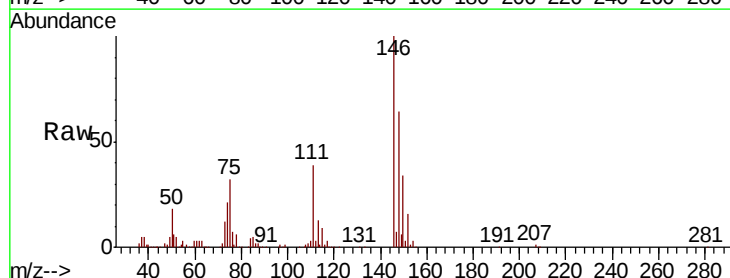
RT: 13.36 min Scan# 3603

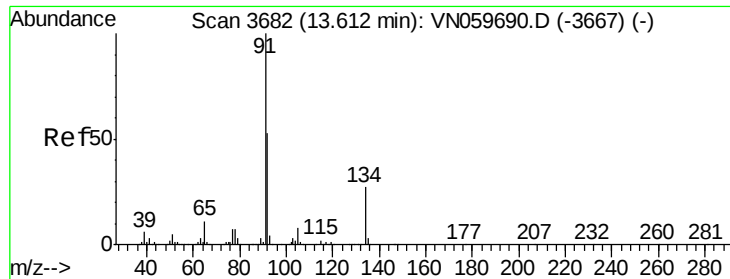
Delta R.T. 0.00 min

Lab File: VN060032.D

Acq: 7 Feb 2020 16:06

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.6	20.8	62.2
148	64.3	31.8	95.4





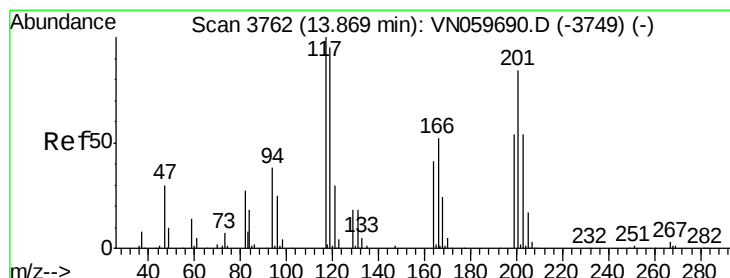
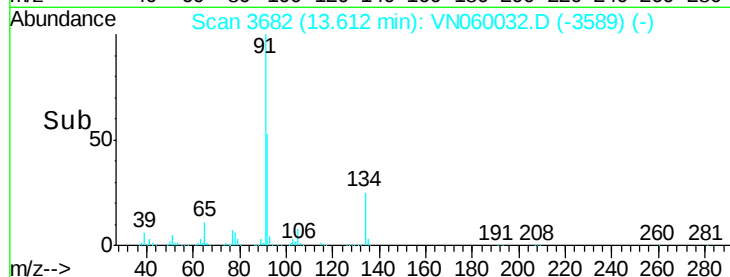
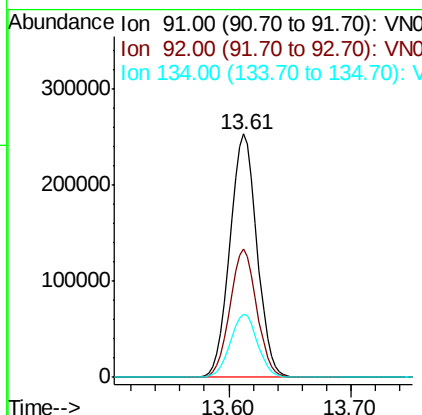
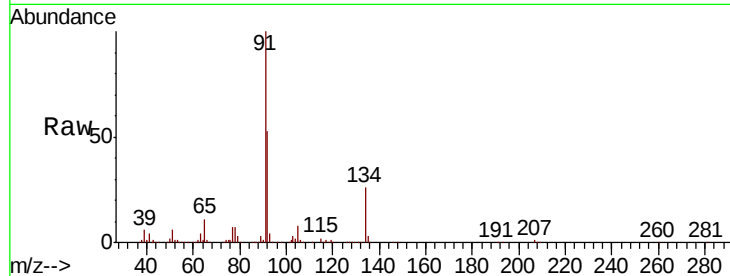
#89
n-Butylbenzene
Concen: 50.921 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN060032.D
Acq: 7 Feb 2020 16:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.0	25.9	77.7
134	26.1	12.3	36.8

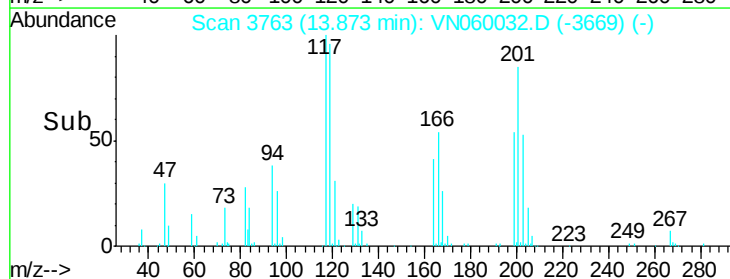
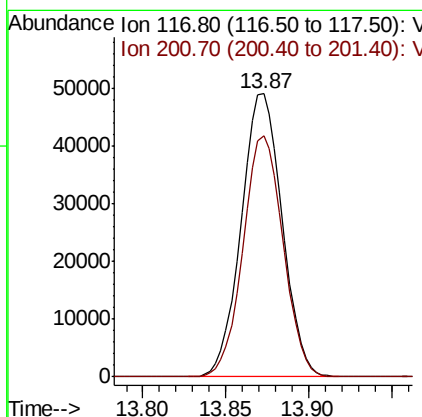
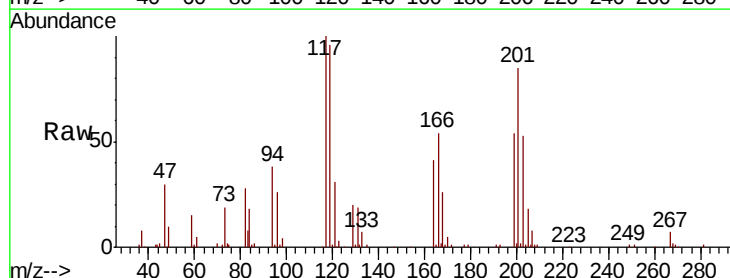
Manual Integrations
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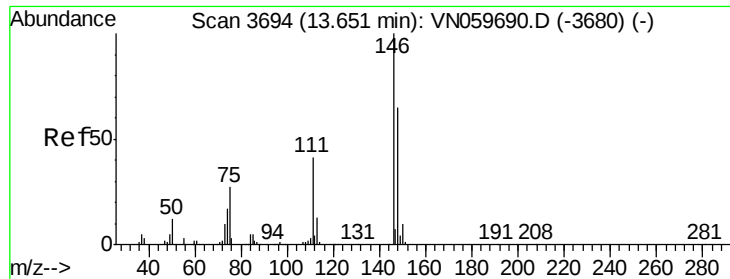
MMDadoda
2/10/2020 9:32:33 AM



#90
Hexachloroethane
Concen: 49.572 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN060032.D
Acq: 7 Feb 2020 16:06

Tgt Ion	Ratio	Lower	Upper
117	100		
201	83.1	37.8	113.4





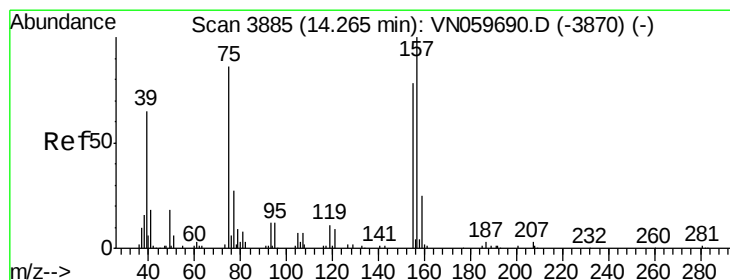
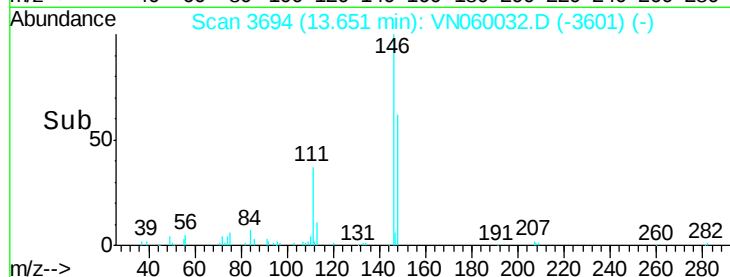
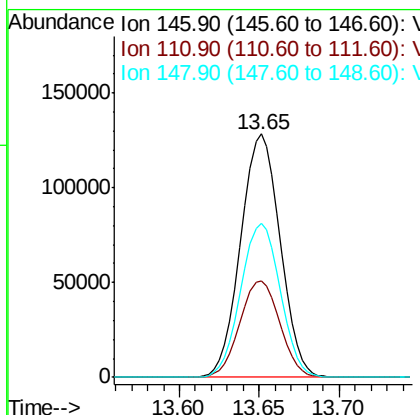
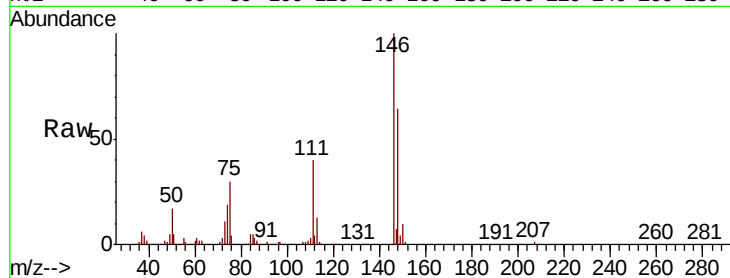
#91
 1,2-Dichlorobenzene
 Concen: 48.551 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN060032.D
 Acq: 7 Feb 2020 16:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.2	21.6	64.8
148	63.7	31.6	95.0

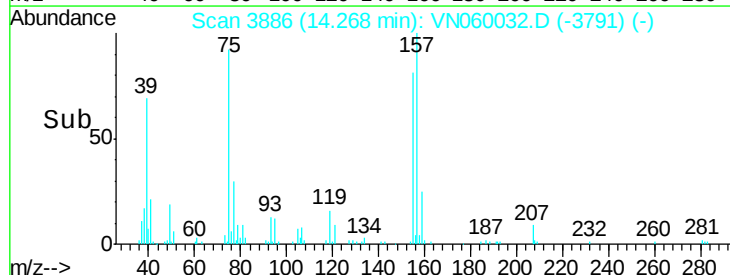
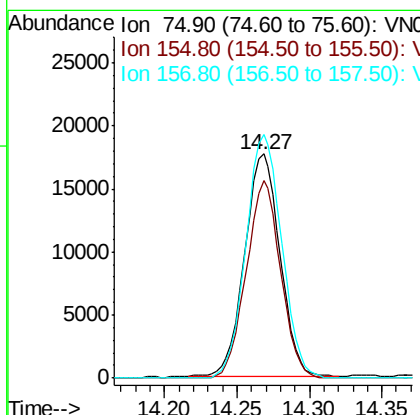
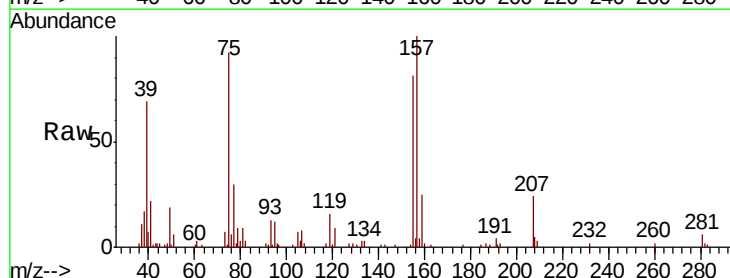
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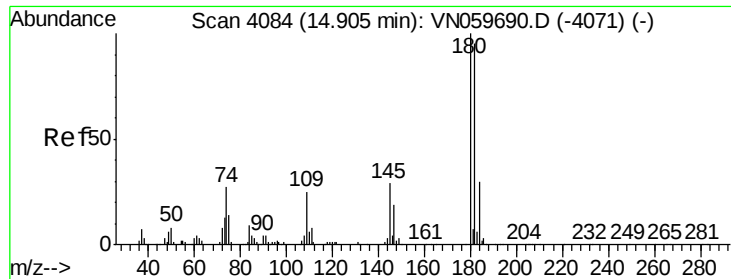
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 46.504 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN060032.D
 Acq: 7 Feb 2020 16:06

Tgt Ion	Ratio	Lower	Upper
75	100		
155	86.4	37.0	110.9
157	111.7	48.4	145.2





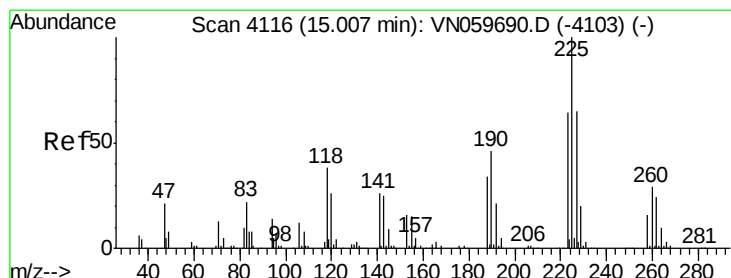
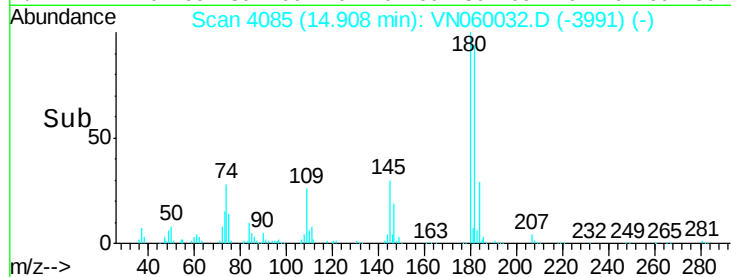
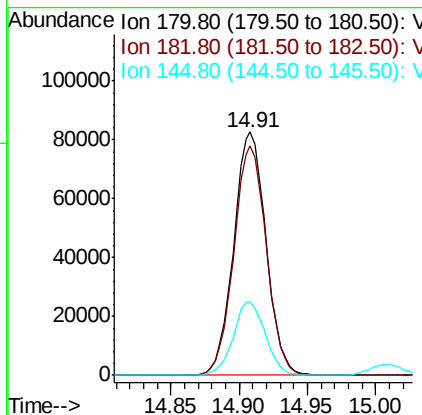
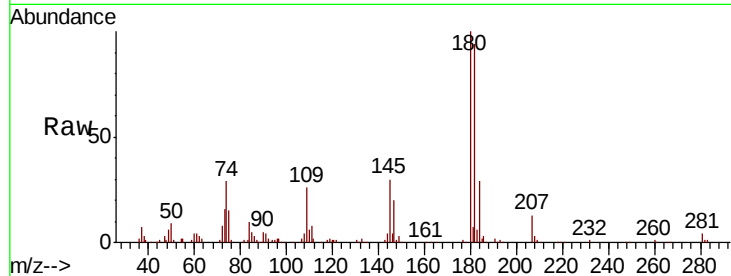
#93
 1,2,4-Trichlorobenzene
 Concen: 50.671 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN060032.D
 Acq: 7 Feb 2020 16:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	135705		
182	94.7	46.9	140.7	
145	30.1	15.0	45.1	

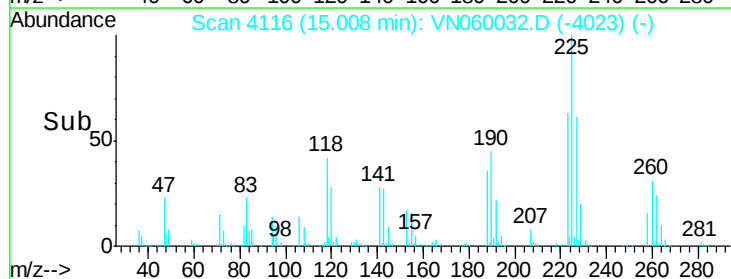
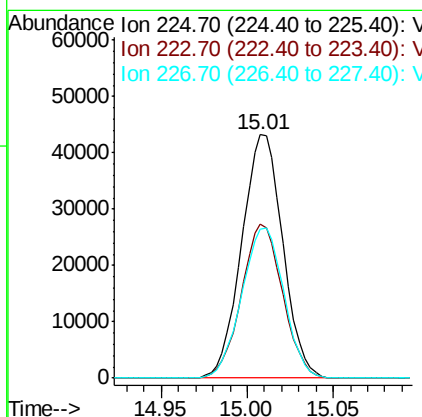
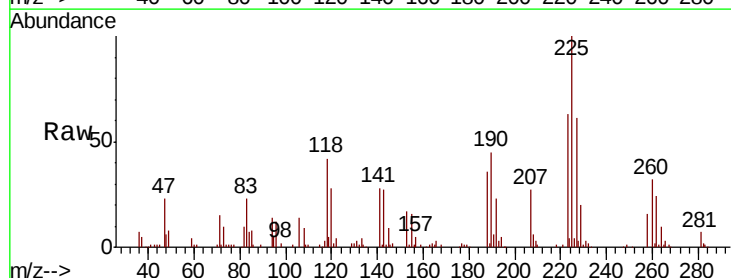
Manual Integrations
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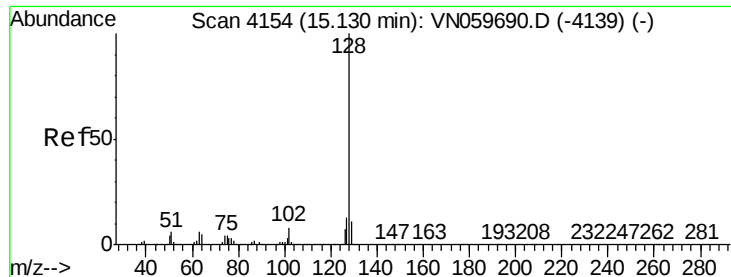
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 2/10/2020 9:32:33 AM



#94
 Hexachlorobutadiene
 Concen: 48.494 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN060032.D
 Acq: 7 Feb 2020 16:06

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	71569		
223	63.4	31.8	95.3	
227	63.3	32.1	96.5	





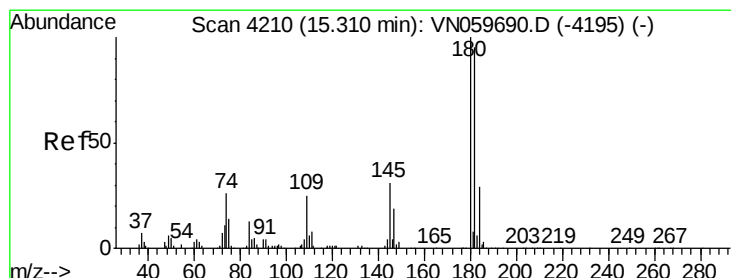
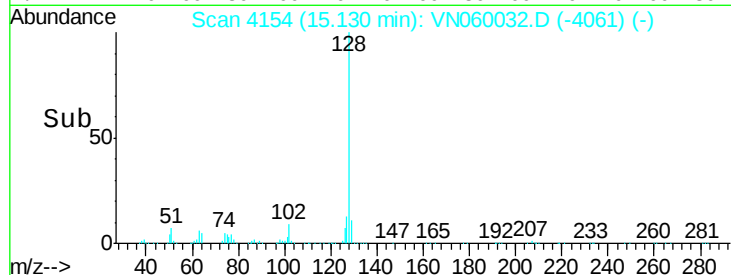
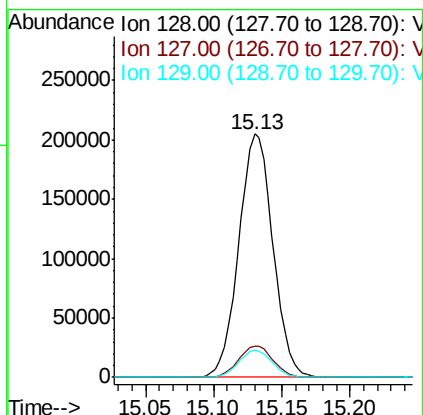
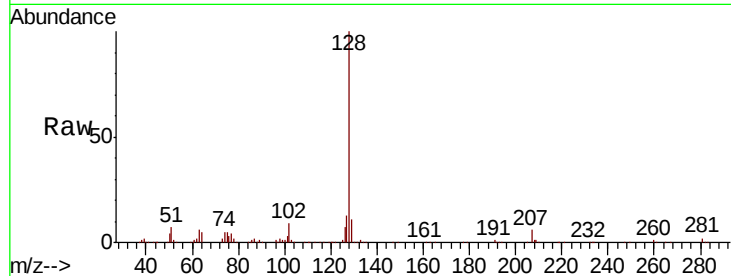
#95
Naphthalene
Concen: 46.649 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN060032.D
Acq: 7 Feb 2020 16:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.4	15.6
129	10.9	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
2/10/2020 9:32:33 AM



#96
1,2,3-Trichlorobenzene
Concen: 49.960 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN060032.D
Acq: 7 Feb 2020 16:06

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.8	47.4	142.3
145	31.4	16.3	48.9

