

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN020420\
 Data File : VN060004.D
 Acq On : 4 Feb 2020 18:58
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 2/5/2020 12:23:32 PM

Quant Time: Feb 05 02:55:00 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	184444	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	295650	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	277773	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	141345	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.00	65	109692	53.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.10%	
35) Dibromofluoromethane	7.57	113	90479	51.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.64%	
50) Toluene-d8	10.08	98	338655	49.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.16%	
62) 4-Bromofluorobenzene	12.40	95	133404	54.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.34%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.83	85	89224	40.936	ug/l	97
3) Chloromethane	2.04	50	94283	44.649	ug/l	98
4) Vinyl Chloride	2.17	62	122438	50.676	ug/l	99
5) Bromomethane	2.53	94	71202	48.290	ug/l	100
6) Chloroethane	2.68	64	57247	50.082	ug/l	99
7) Trichlorofluoromethane	3.00	101	143286	49.382	ug/l	100
8) Diethyl Ether	3.39	74	53251	52.295	ug/l	86
9) 1,1,2-Trichlorotrifluoroet	3.74	101	82734	51.231	ug/l	93
10) Methyl Iodide	3.93	142	113226	43.376	ug/l	96
11) Tert butyl alcohol	4.73	59	88984	258.059	ug/l	99
12) 1,1-Dichloroethene	3.72	96	82076	48.639	ug/l	89
13) Acrolein	3.58	56	62382	255.569	ug/l	98
14) Allyl chloride	4.30	41	117619	51.712	ug/l #	85
15) Acrylonitrile	4.95	53	225393	286.555	ug/l	99
16) Acetone	3.78	43	190475	273.591	ug/l	95
17) Carbon Disulfide	4.03	76	192022	39.946	ug/l	98
18) Methyl Acetate	4.29	43	135635	56.691	ug/l	92
19) Methyl tert-butyl Ether	5.00	73	298262	54.211	ug/l	96
20) Methylene Chloride	4.53	84	93476	50.453	ug/l	91
21) trans-1,2-Dichloroethene	5.01	96	86323	48.124	ug/l	90
22) Diisopropyl ether	5.92	45	282799	54.865	ug/l	97
23) Vinyl Acetate	5.86	43	1107358	277.478	ug/l	95
24) 1,1-Dichloroethane	5.82	63	165970	52.697	ug/l	98
25) 2-Butanone	6.80	43	294822	254.171	ug/l	93
26) 2,2-Dichloropropane	6.80	77	154635	51.071	ug/l	96
27) cis-1,2-Dichloroethene	6.80	96	108513	52.596	ug/l	90
28) Bromochloromethane	7.17	49	69336	55.081	ug/l #	79
29) Tetrahydrofuran	7.18	42	194600	271.153	ug/l	90
30) Chloroform	7.35	83	180601	55.344	ug/l	99
31) Cyclohexane	7.63	56	133970	44.206	ug/l	91
32) 1,1,1-Trichloroethane	7.55	97	162078	53.717	ug/l	96
36) 1,1-Dichloropropene	7.77	75	124497	48.355	ug/l	95
37) Ethyl Acetate	6.90	43	125218	51.855	ug/l	98
38) Carbon Tetrachloride	7.75	117	139226	49.712	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	141716	44.641	ug/l	92
40) Benzene	8.02	78	379698	49.450	ug/l	100
41) Methacrylonitrile	7.14	41	50634m	42.571	ug/l	
42) 1,2-Dichloroethane	8.10	62	139110	53.434	ug/l	96
43) Isopropyl Acetate	8.14	43	216100	52.028	ug/l #	95
44) Trichloroethene	8.82	130	102395	48.849	ug/l	96
45) 1,2-Dichloropropane	9.10	63	100575	52.933	ug/l	100
46) Dibromomethane	9.19	93	71863	53.617	ug/l	93
47) Bromodichloromethane	9.39	83	146202	54.130	ug/l	99
48) Methyl methacrylate	9.18	41	95747	51.536	ug/l	90
49) 1,4-Dioxane	9.18	88	36253	1065.930	ug/l	91
51) 4-Methyl-2-Pentanone	9.97	43	646997	269.468	ug/l	96
52) Toluene	10.14	92	245083	50.532	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	163747	54.296	ug/l	100
54) cis-1,3-Dichloropropene	9.82	75	170943	53.871	ug/l	95
55) 1,1,2-Trichloroethane	10.55	97	104013	54.148	ug/l	96
56) Ethyl methacrylate	10.42	69	154135	52.513	ug/l	93
57) 1,3-Dichloropropane	10.70	76	166901	54.727	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	257883	291.697	ug/l	93
59) 2-Hexanone	10.74	43	471343	266.470	ug/l	95
60) Dibromochloromethane	10.89	129	119808	54.770	ug/l	99
61) 1,2-Dibromoethane	11.00	107	107193	53.241	ug/l	99
64) Tetrachloroethene	10.62	164	89353	39.469	ug/l	96
65) Chlorobenzene	11.43	112	274247	50.231	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.50	131	110533	52.395	ug/l	99
67) Ethyl Benzene	11.51	91	488040	49.242	ug/l	97
68) m/p-Xylenes	11.62	106	368839	98.519	ug/l	95
69) o-Xylene	11.94	106	178435	48.683	ug/l	97
70) Styrene	11.96	104	303078	49.416	ug/l	98
71) Bromoform	12.12	173	91200	53.969	ug/l #	98
73) Isopropylbenzene	12.25	105	491178	47.383	ug/l	100
74) N-amyl acetate	12.07	43	197443	49.086	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.50	83	158489	52.739	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	128850m	54.168	ug/l	
77) Bromobenzene	12.52	156	124850	47.560	ug/l	86
78) n-propylbenzene	12.59	91	553580	47.579	ug/l	98
79) 2-Chlorotoluene	12.67	91	330154	47.699	ug/l	96
80) 1,3,5-Trimethylbenzene	12.73	105	407392	46.730	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	56590	51.090	ug/l	95
82) 4-Chlorotoluene	12.77	91	342897	49.391	ug/l	97
83) tert-Butylbenzene	12.99	119	357027	47.351	ug/l	96
84) 1,2,4-Trimethylbenzene	13.04	105	413376	47.929	ug/l	99
85) sec-Butylbenzene	13.17	105	471837	47.630	ug/l	99
86) p-Isopropyltoluene	13.29	119	430182	46.931	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	226077	49.579	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	223969	49.235	ug/l	98
89) n-Butylbenzene	13.61	91	378309	48.405	ug/l	98
90) Hexachloroethane	13.87	117	81761	47.674	ug/l	90
91) 1,2-Dichlorobenzene	13.65	146	220880	48.997	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	32529	50.450	ug/l	84

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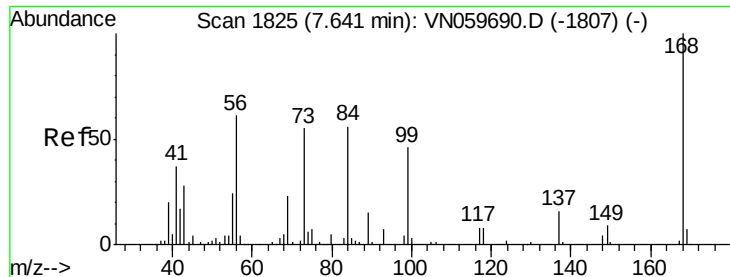
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	136569	50.417	ug/l	99
94) Hexachlorobutadiene	15.01	225	67966	45.532	ug/l	99
95) Naphthalene	15.13	128	383040	49.714	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	132318	50.184	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VN060004.D

Acq: 4 Feb 2020 18:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 184444

Ion Ratio Lower Upper

168 100

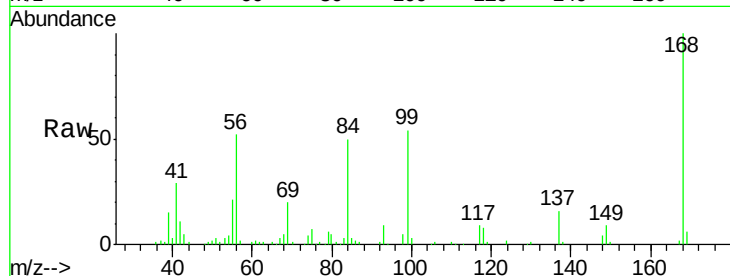
99 53.8 48.2 72.4

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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

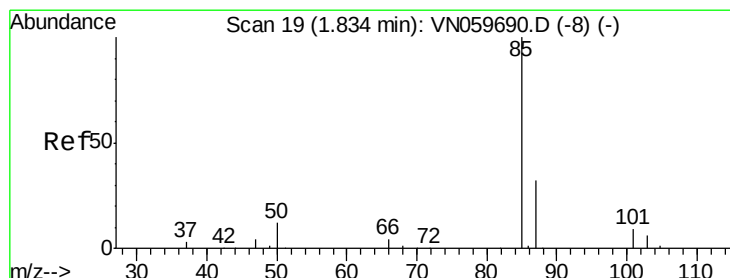
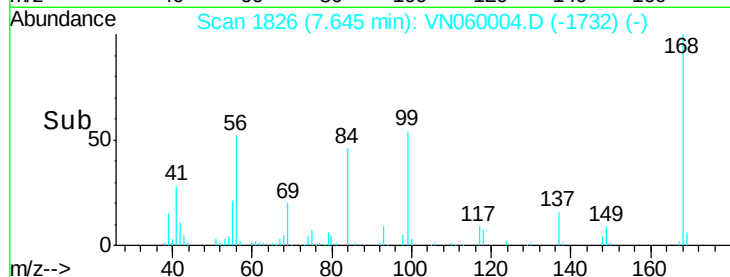
20000

0

7.60

7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 40.936 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN060004.D

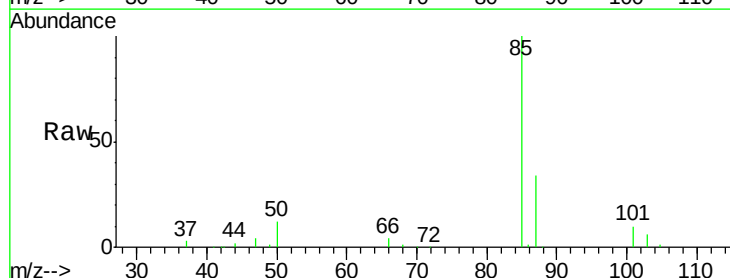
Acq: 4 Feb 2020 18:58

Tgt Ion: 85 Resp: 89224

Ion Ratio Lower Upper

85 100

87 33.6 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

60000

40000

20000

0

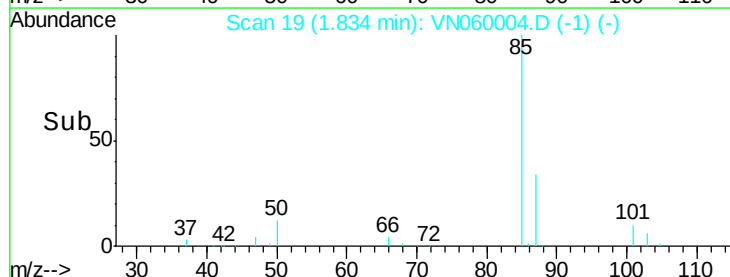
1.75

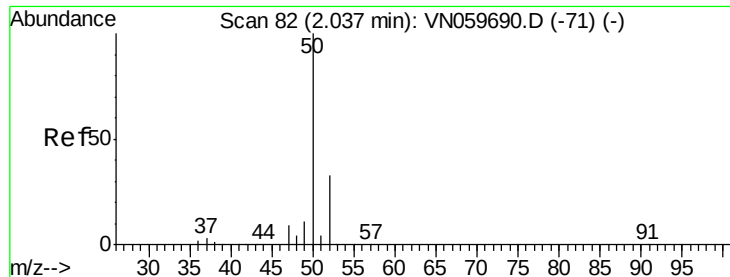
1.80

1.85

1.90

Time-->





#3

Chloromethane

Concen: 44.649 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN060004.D

Acq: 4 Feb 2020 18:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 94283

Ion Ratio Lower Upper

50 100

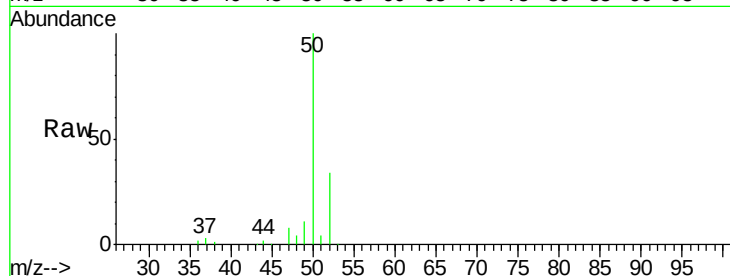
52 33.7 25.9 38.9

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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0

2.04

80000

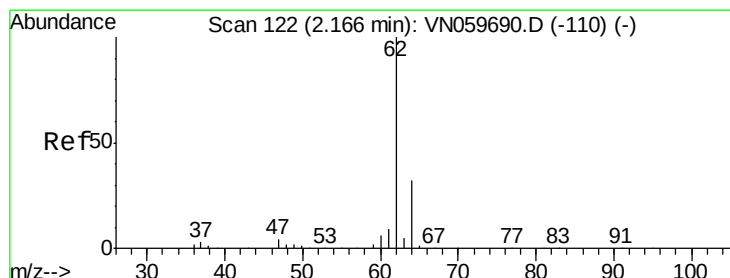
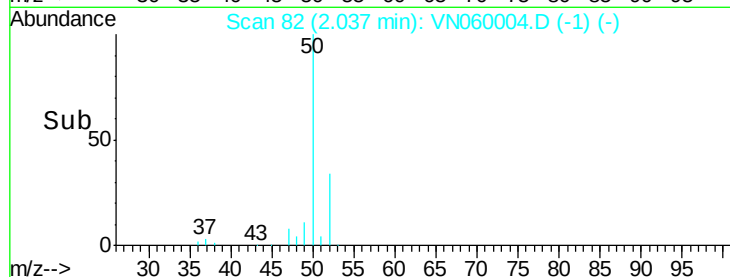
60000

40000

20000

0

Time-->



#4

Vinyl Chloride

Concen: 50.676 ug/l

RT: 2.17 min Scan# 122

Delta R.T. 0.00 min

Lab File: VN060004.D

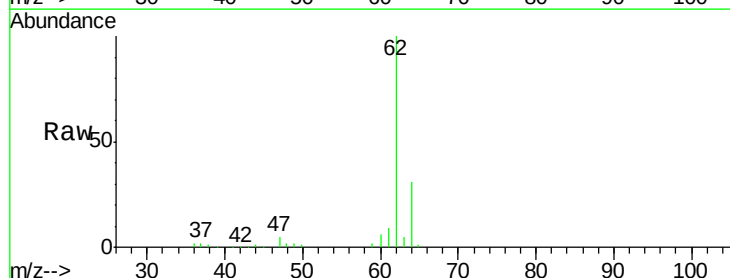
Acq: 4 Feb 2020 18:58

Tgt Ion: 62 Resp: 122438

Ion Ratio Lower Upper

62 100

64 31.3 24.6 37.0



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0

2.17

80000

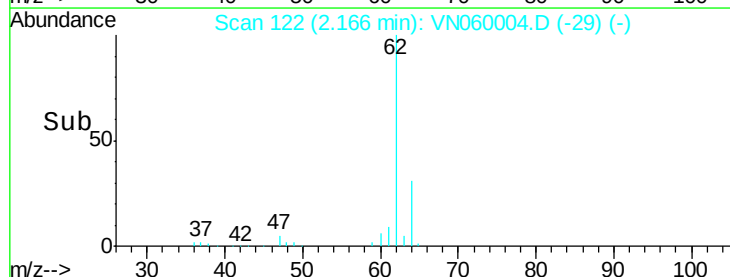
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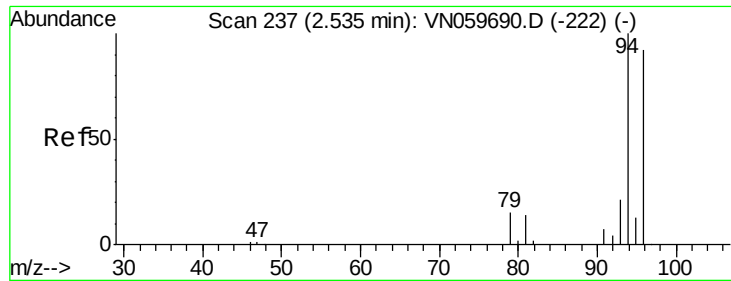
40000

20000

0

Time-->





#5

Bromomethane

Concen: 48.290 ug/l

RT: 2.53 min Scan# 236

Delta R.T. -0.00 min

Lab File: VN060004.D

Acq: 4 Feb 2020 18:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 71202

Ion Ratio Lower Upper

94 100

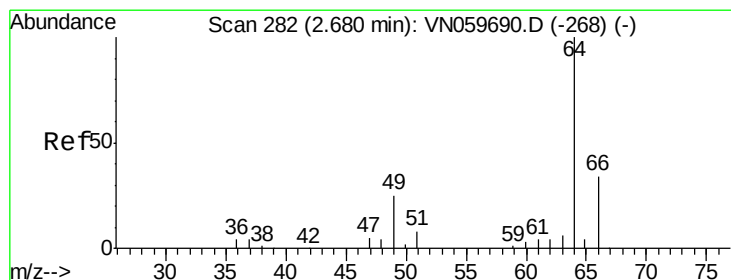
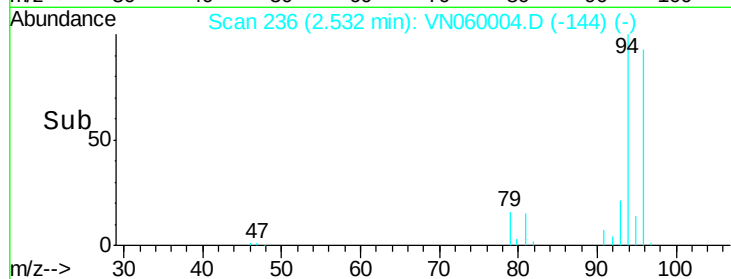
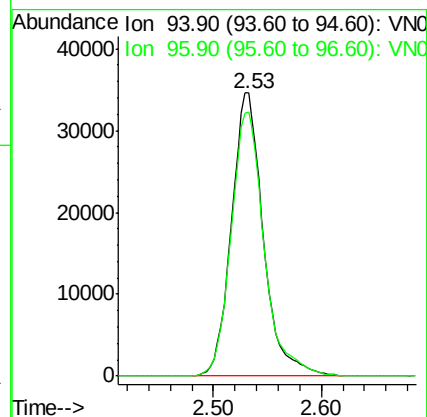
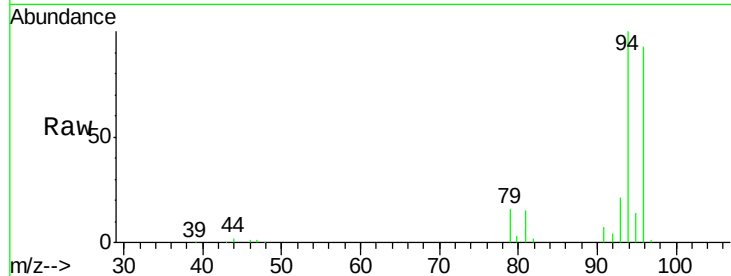
96 93.2 74.7 112.1

Manual Integrations

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#6

Chloroethane

Concen: 50.082 ug/l

RT: 2.68 min Scan# 282

Delta R.T. 0.00 min

Lab File: VN060004.D

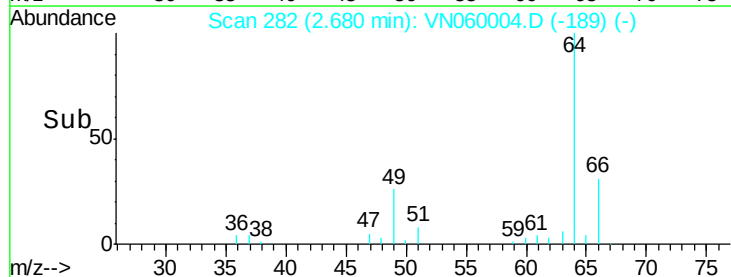
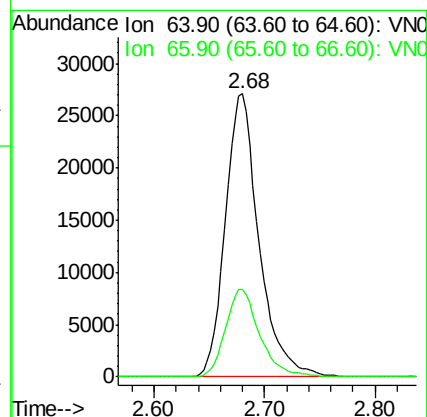
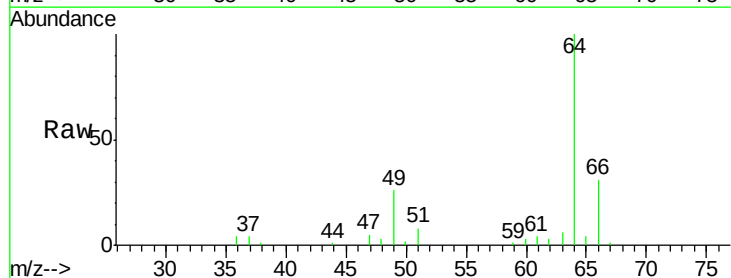
Acq: 4 Feb 2020 18:58

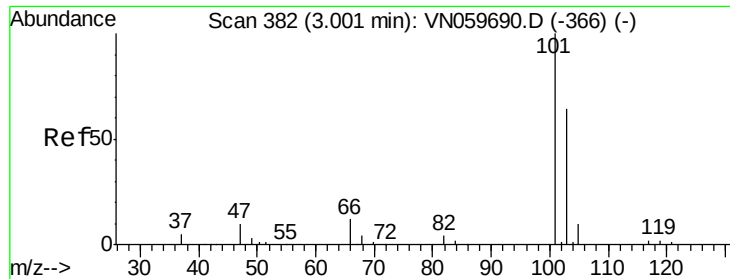
Tgt Ion: 64 Resp: 57247

Ion Ratio Lower Upper

64 100

66 31.0 25.1 37.7





#7

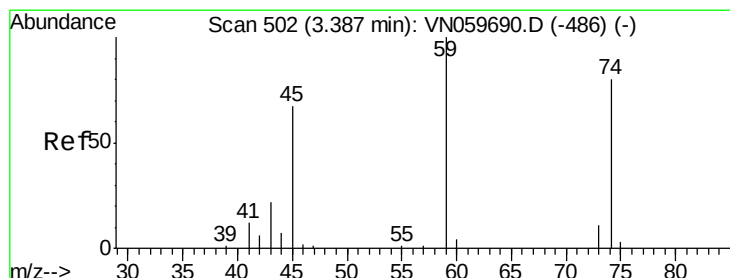
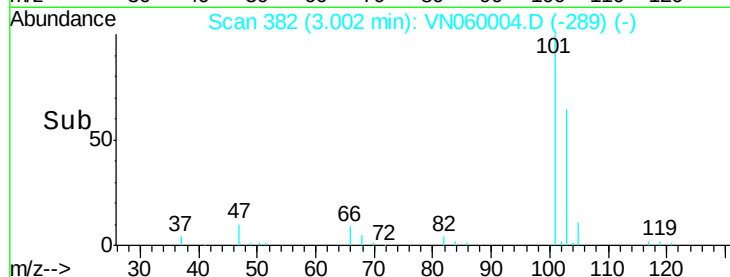
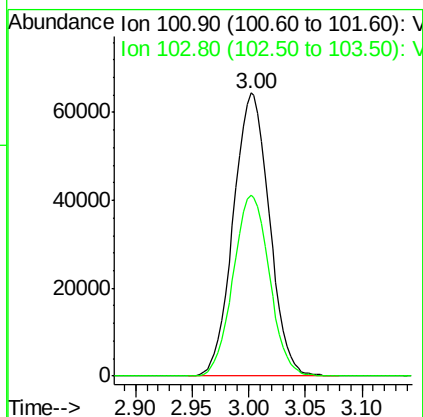
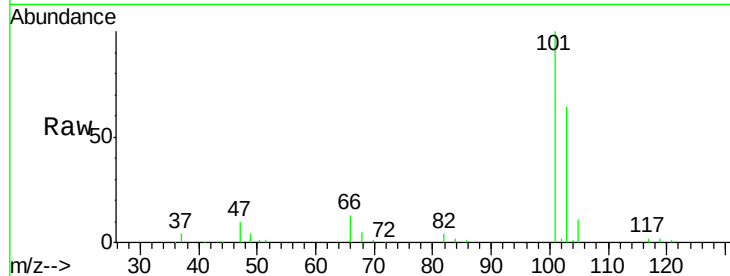
Trichlorofluoromethane
Concen: 49.382 ug/l
RT: 3.00 min Scan# 382
Delta R.T. 0.00 min
Lab File: VN060004.D
Acq: 4 Feb 2020 18:58

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ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	63.9	51.0	76.6

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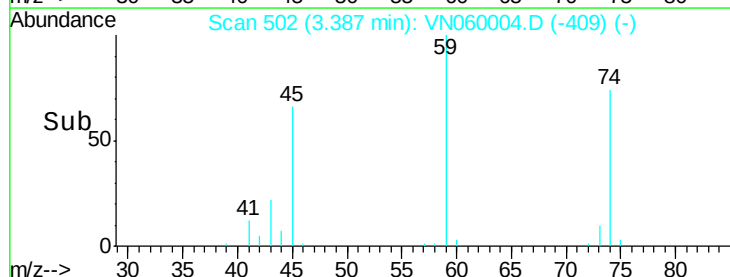
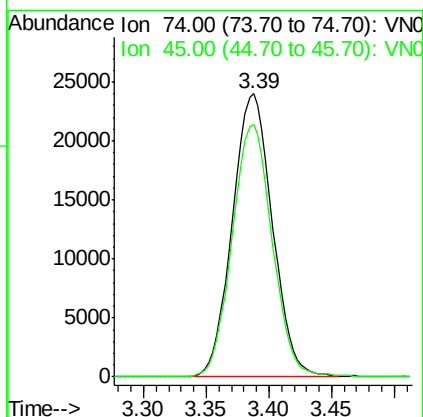
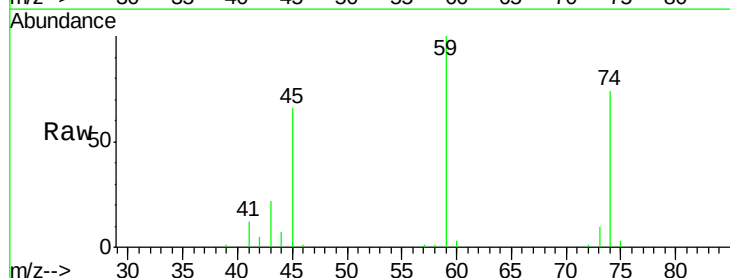
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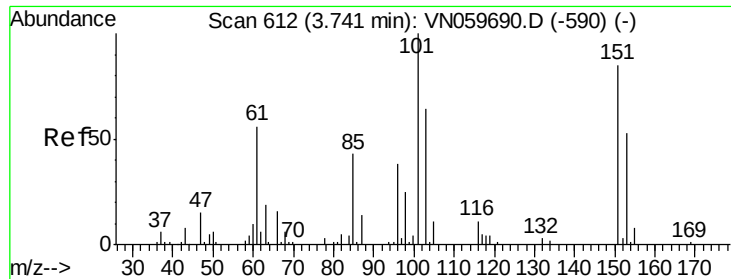


#8

Diethyl Ether
Concen: 52.295 ug/l
RT: 3.39 min Scan# 502
Delta R.T. 0.00 min
Lab File: VN060004.D
Acq: 4 Feb 2020 18:58

Tgt Ion	Ratio	Lower	Upper
74	100		
45	89.5	51.9	155.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.231 ug/l

RT: 3.74 min Scan# 611

Delta R.T. -0.00 min

Lab File: VN060004.D

Acq: 4 Feb 2020 18:58

Instrument :

MSVOA_N

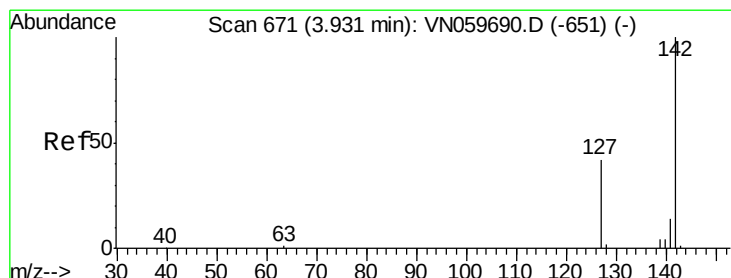
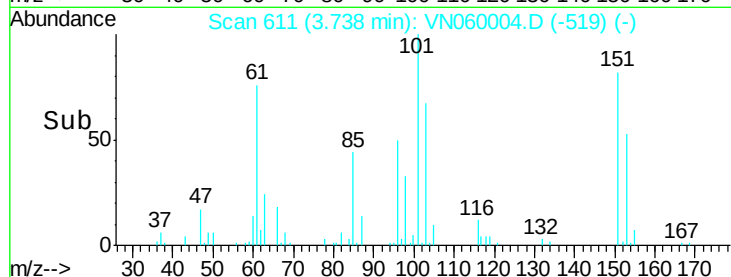
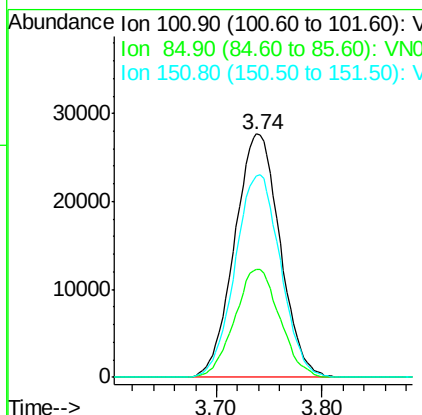
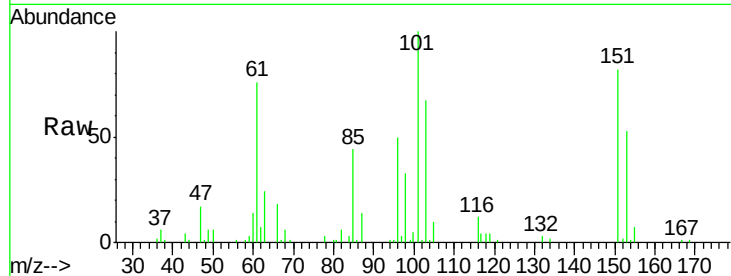
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	82734
Ion Ratio	Lower	Upper	
101	100		
85	44.0	36.6	54.8
151	83.2	59.7	89.5

Manual Integrations
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#10

Methyl Iodide

Concen: 43.376 ug/l

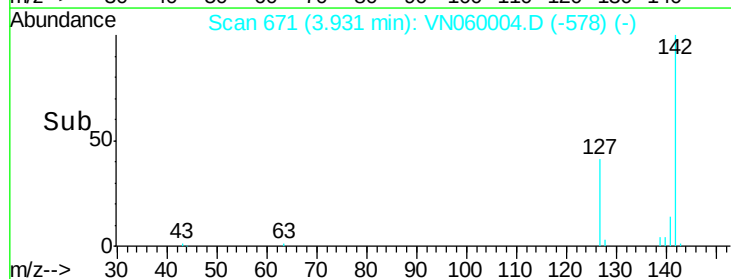
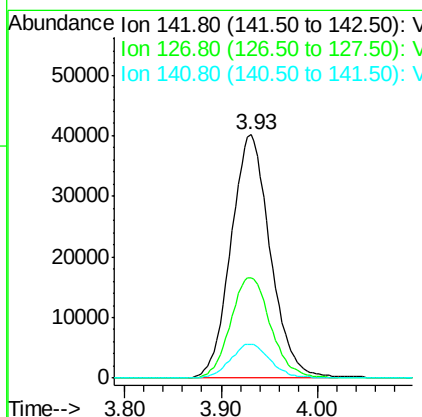
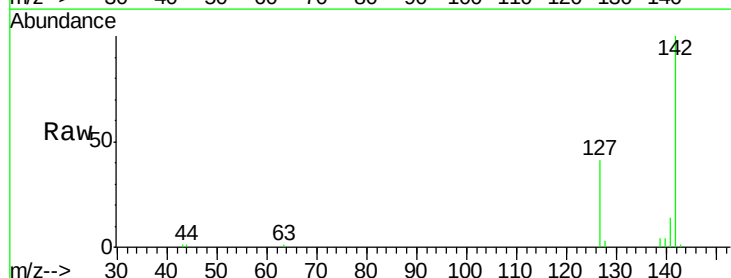
RT: 3.93 min Scan# 671

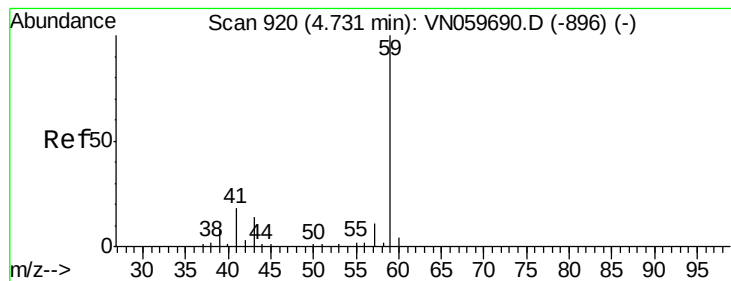
Delta R.T. 0.00 min

Lab File: VN060004.D

Acq: 4 Feb 2020 18:58

Tgt Ion:	142	Resp:	113226
Ion Ratio	Lower	Upper	
142	100		
127	42.3	36.7	55.1
141	14.1	11.7	17.5





#11

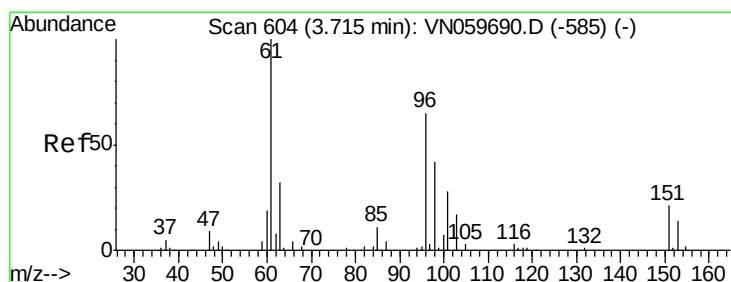
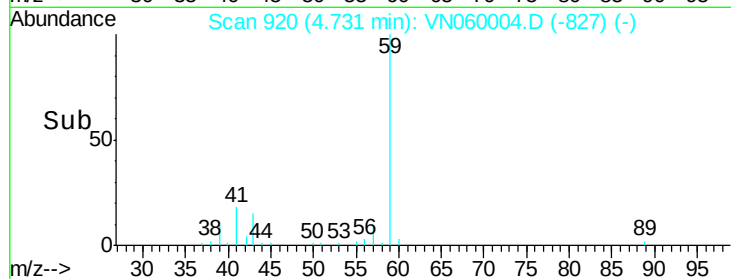
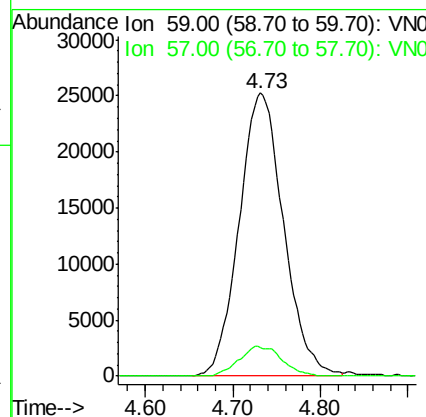
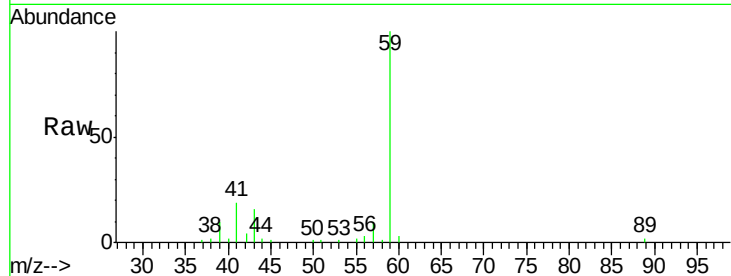
Tert butyl alcohol
Concen: 258.059 ug/l
RT: 4.73 min Scan# 920
Delta R.T. 0.00 min
Lab File: VN060004.D
Acq: 4 Feb 2020 18:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.2	8.6	12.8

Manual Integrations
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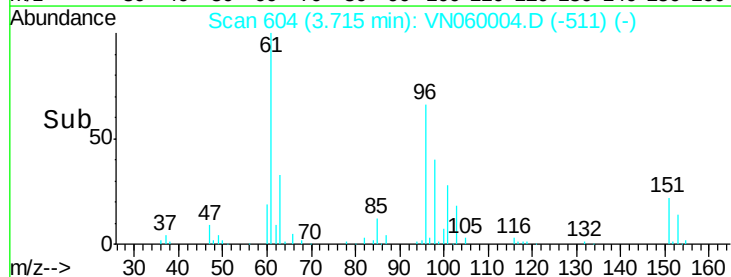
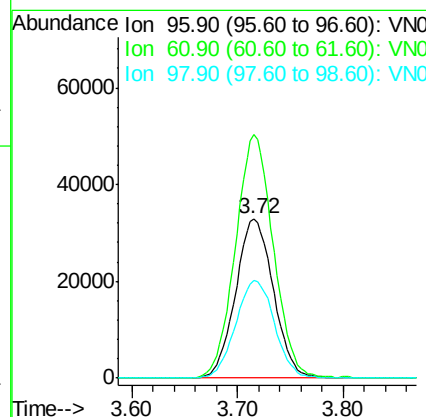
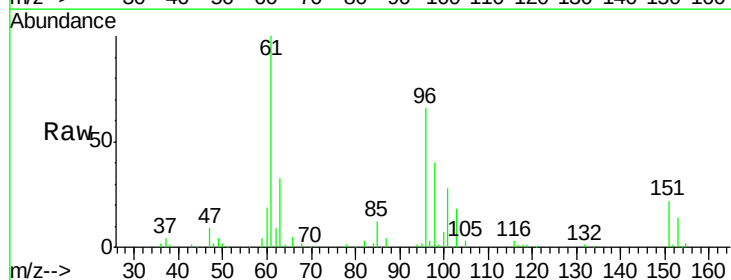
MMDadoda
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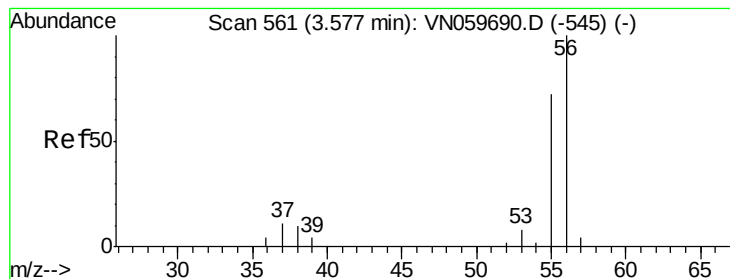


#12

1,1-Dichloroethene
Concen: 48.639 ug/l
RT: 3.72 min Scan# 604
Delta R.T. 0.00 min
Lab File: VN060004.D
Acq: 4 Feb 2020 18:58

Tgt Ion	Ratio	Lower	Upper
96	100		
61	152.6	137.5	206.3
98	61.0	50.2	75.4





#13

Acrolein

Concen: 255.569 ug/l

RT: 3.58 min Scan# 561

Delta R.T. 0.00 min

Lab File: VN060004.D

Acq: 4 Feb 2020 18:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 62382

Ion Ratio Lower Upper

56 100

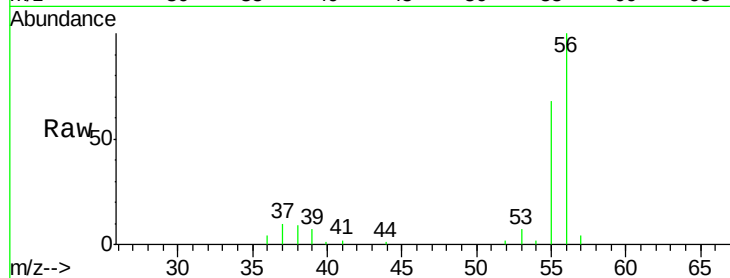
55 71.3 58.6 88.0

Manual Integrations

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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

30000

25000

20000

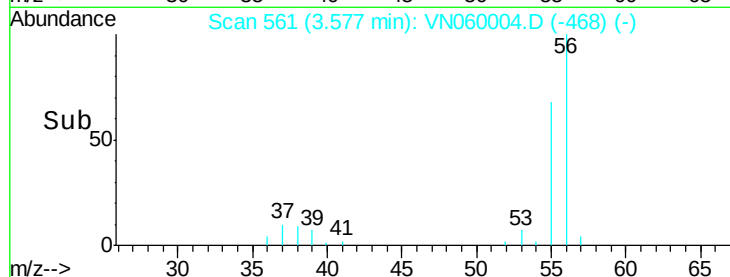
15000

10000

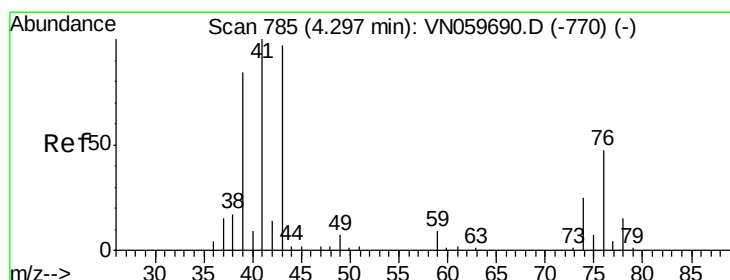
5000

0

Time-->



Time-->



#14

Allyl chloride

Concen: 51.712 ug/l

RT: 4.30 min Scan# 785

Delta R.T. 0.00 min

Lab File: VN060004.D

Acq: 4 Feb 2020 18:58

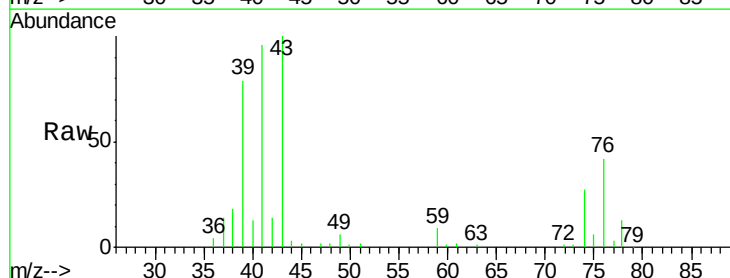
Tgt Ion: 41 Resp: 117619

Ion Ratio Lower Upper

41 100

39 83.7 57.8 86.8

76 42.4 25.4 38.0#



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0

50000

40000

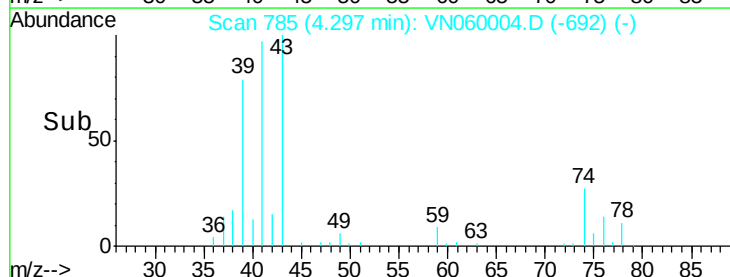
30000

20000

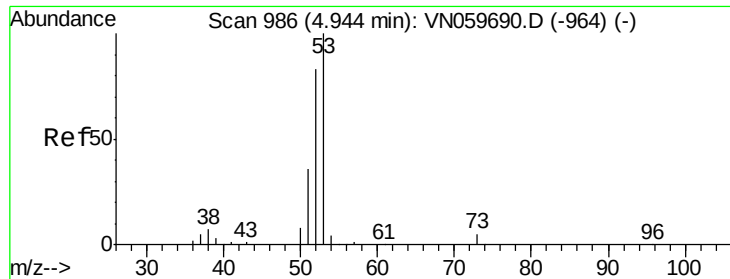
10000

0

Time-->



Time-->



#15

Acrylonitrile

Concen: 286.555 ug/l

RT: 4.95 min Scan# 987

Delta R.T. 0.00 min

Lab File: VN060004.D

Acq: 4 Feb 2020 18:58

Instrument :

MSVOA_N

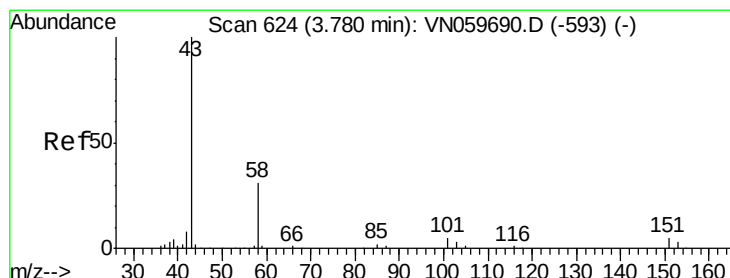
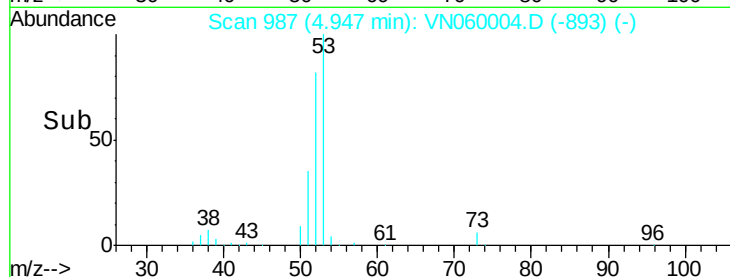
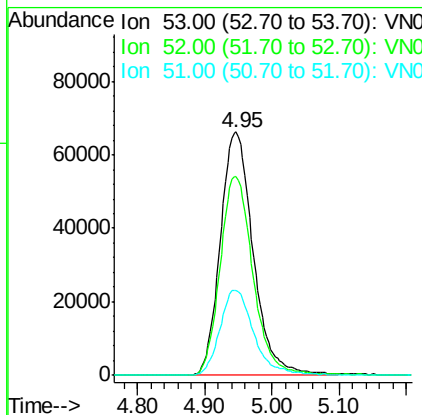
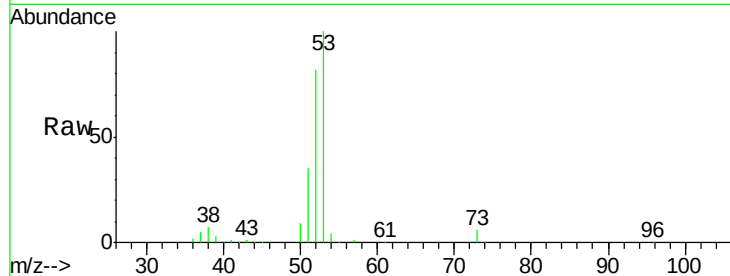
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	225393
Ion Ratio	Lower	Upper	
53	100		
52	81.9	66.3	99.5
51	36.1	29.7	44.5

Manual Integrations
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#16

Acetone

Concen: 273.591 ug/l

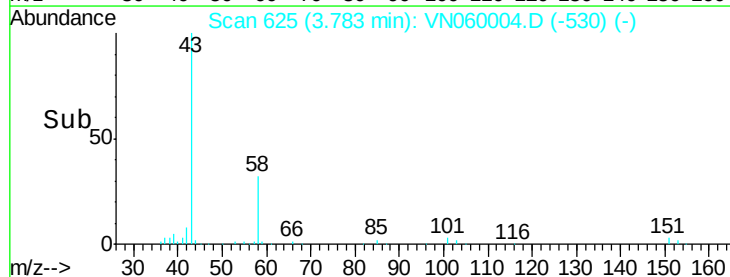
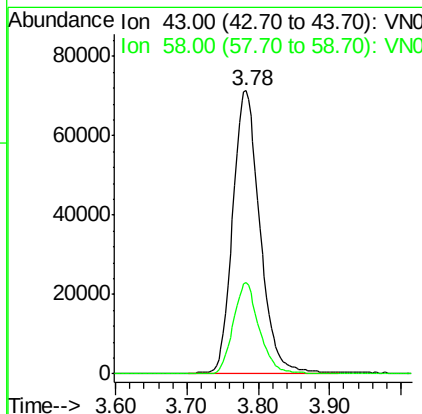
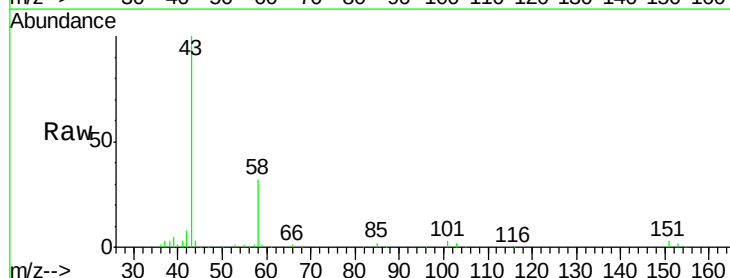
RT: 3.78 min Scan# 625

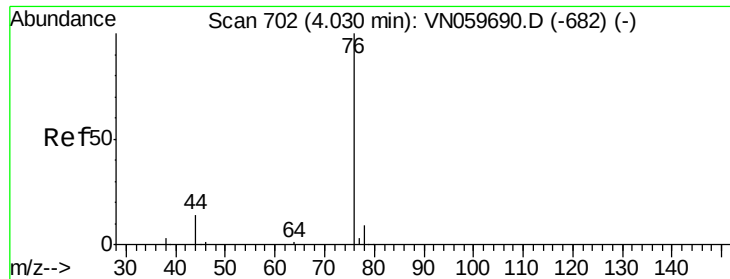
Delta R.T. 0.00 min

Lab File: VN060004.D

Acq: 4 Feb 2020 18:58

Tgt Ion:	43	Resp:	190475
Ion Ratio	Lower	Upper	
43	100		
58	32.3	23.6	35.4





#17

Carbon Disulfide

Concen: 39.946 ug/l

RT: 4.03 min Scan# 702

Delta R.T. 0.00 min

Lab File: VN060004.D

Acq: 4 Feb 2020 18:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 192022

Ion Ratio Lower Upper

76 100

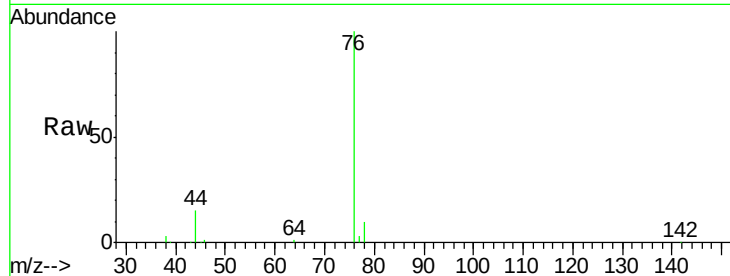
78 9.8 7.4 11.0

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

4.03

80000

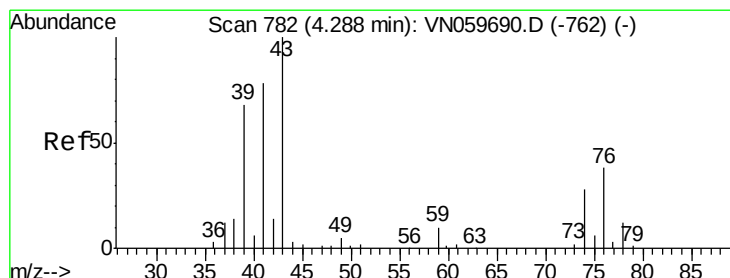
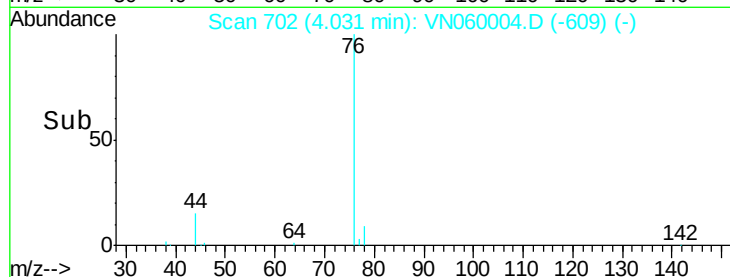
60000

40000

20000

0

Time-->



#18

Methyl Acetate

Concen: 56.691 ug/l

RT: 4.29 min Scan# 782

Delta R.T. 0.00 min

Lab File: VN060004.D

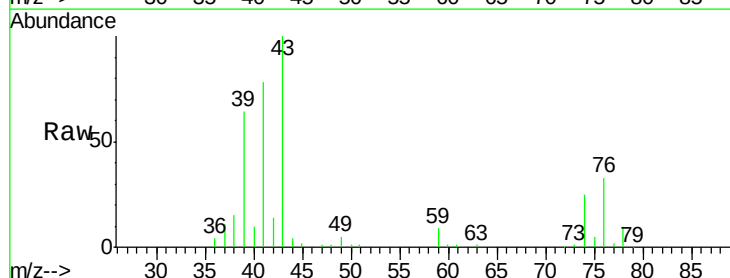
Acq: 4 Feb 2020 18:58

Tgt Ion: 43 Resp: 135635

Ion Ratio Lower Upper

43 100

74 25.6 17.5 26.3



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

4.29

50000

40000

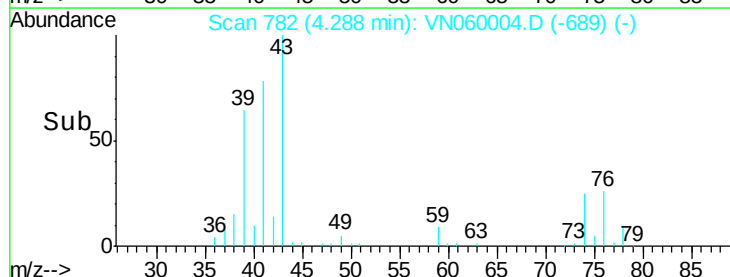
30000

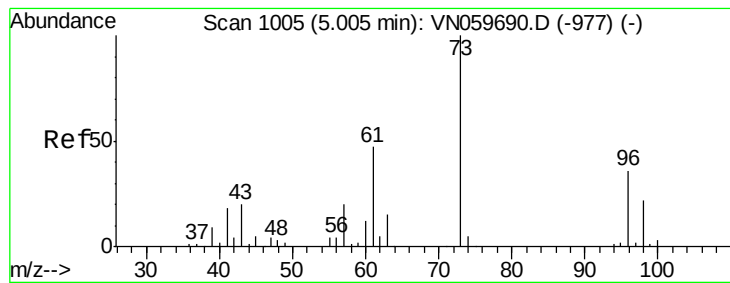
20000

10000

0

Time-->





#19

Methyl tert-butyl Ether

Concen: 54.211 ug/l

RT: 5.00 min Scan# 1005

Delta R.T. 0.00 min

Lab File: VN060004.D

Acq: 4 Feb 2020 18:58

Tot Ion: 73 Resp: 298262

Ion Ratio Lower Upper

73 100

57 21.3 18.6 27.8

Instrument :

MSVOA_N

ClientSampleId :

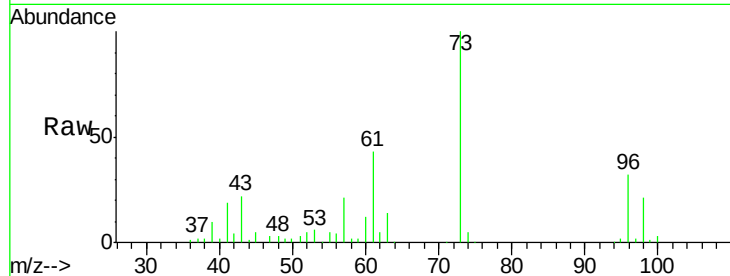
VSTDCCC050EC

Manual Integrations

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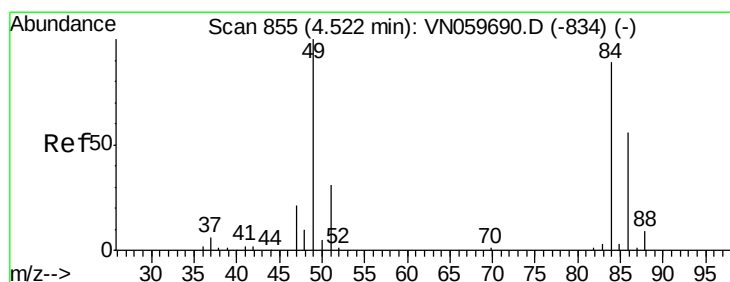
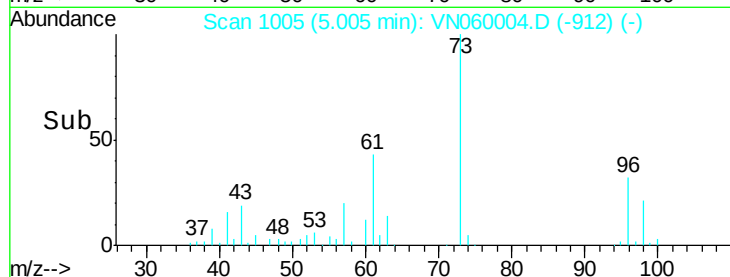
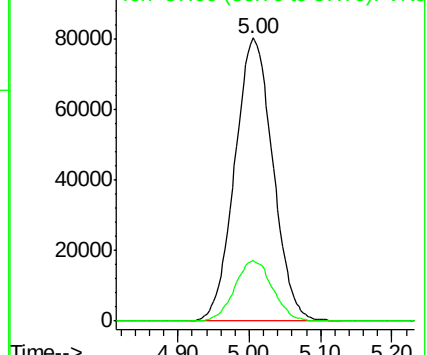
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Abundance Ion 73.00 (72.70 to 73.70): VN0

Ion 57.00 (56.70 to 57.70): VN0



#20

Methylene Chloride

Concen: 50.453 ug/l

RT: 4.53 min Scan# 856

Delta R.T. 0.00 min

Lab File: VN060004.D

Acq: 4 Feb 2020 18:58

Tgt Ion: 84 Resp: 93476

Ion Ratio Lower Upper

84 100

49 118.6 106.6 160.0

51 35.9 31.9 47.9

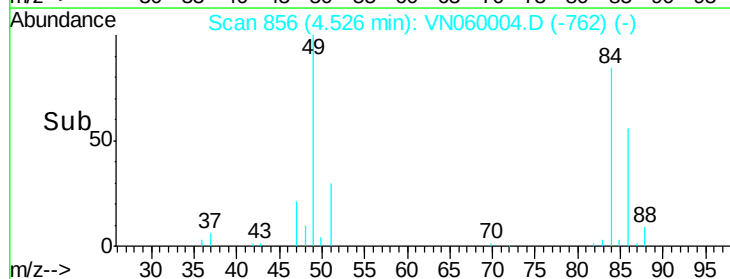
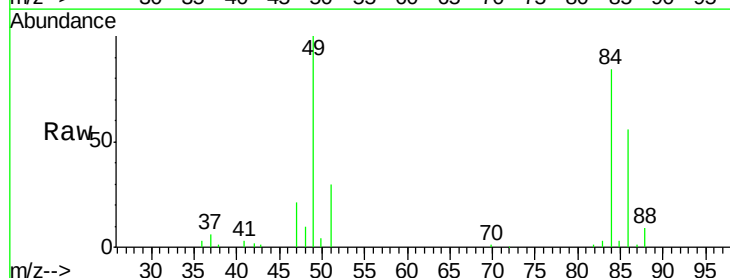
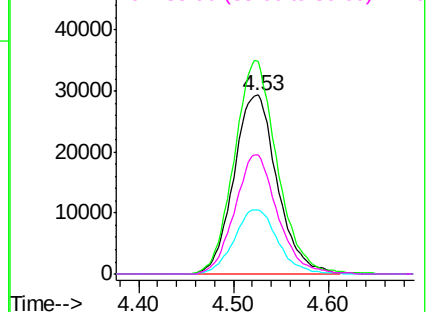
86 66.5 50.8 76.2

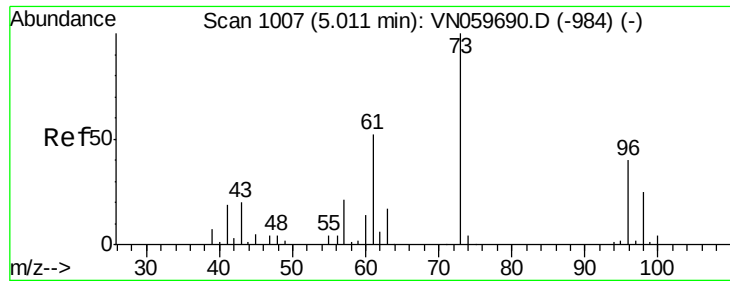
Abundance Ion 83.90 (83.60 to 84.60): VN0

Ion 48.90 (48.60 to 49.60): VN0

Ion 50.90 (50.60 to 51.60): VN0

Ion 85.90 (85.60 to 86.60): VN0





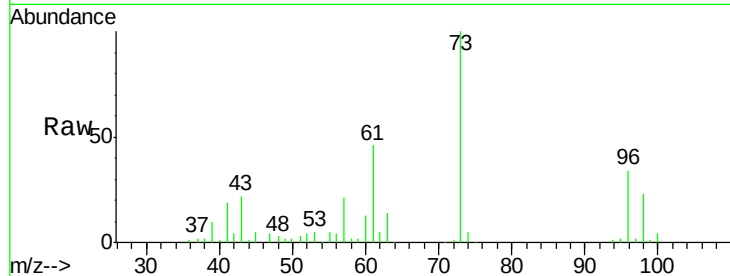
#21
trans-1,2-Dichloroethene
Concen: 48.124 ug/l
RT: 5.01 min Scan# 1007
Delta R.T. 0.00 min
Lab File: VN060004.D
Acq: 4 Feb 2020 18:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	135.0	120.4	180.6
98	66.7	50.6	75.8

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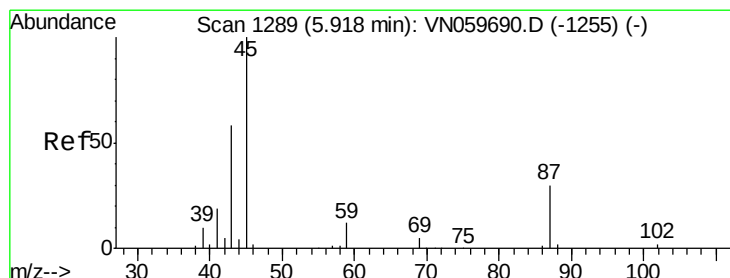
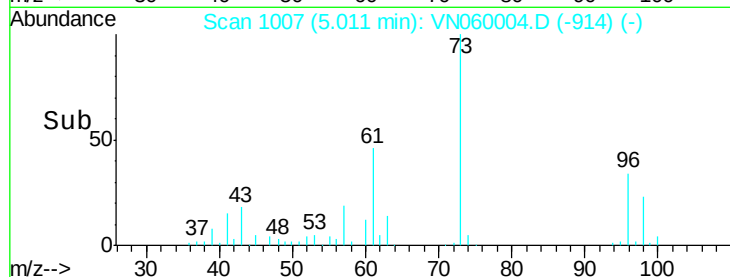
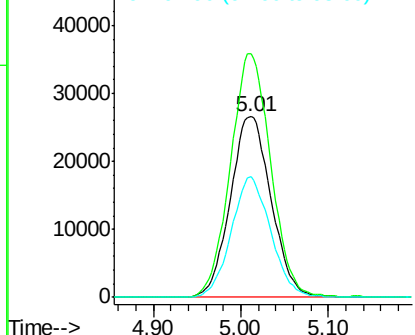


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22
Diisopropyl ether
Concen: 54.865 ug/l
RT: 5.92 min Scan# 1289
Delta R.T. 0.00 min
Lab File: VN060004.D
Acq: 4 Feb 2020 18:58

Tgt Ion	Ratio	Lower	Upper
45	100		
43	62.9	50.8	76.2
87	31.5	21.0	31.6
59	12.5	9.1	13.7

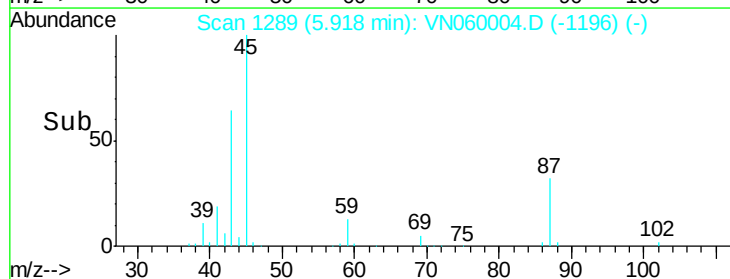
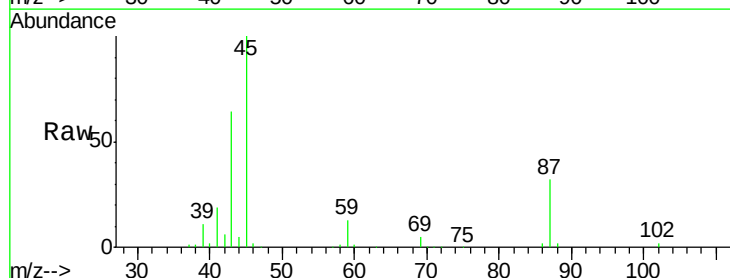
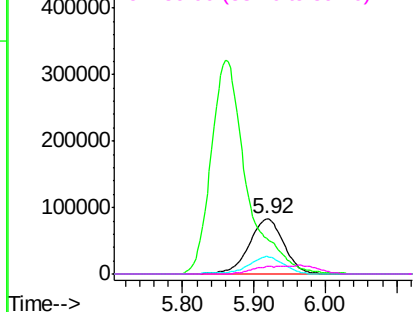
Abundance

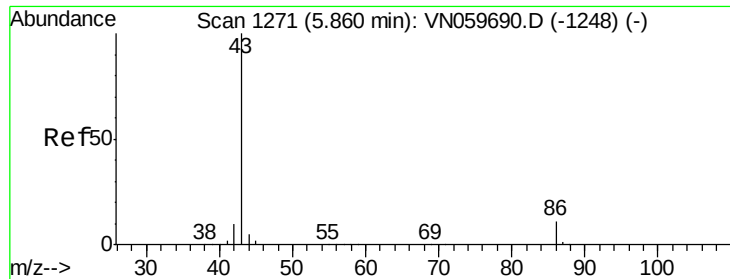
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





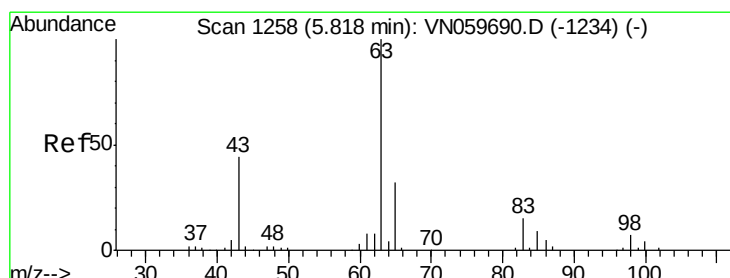
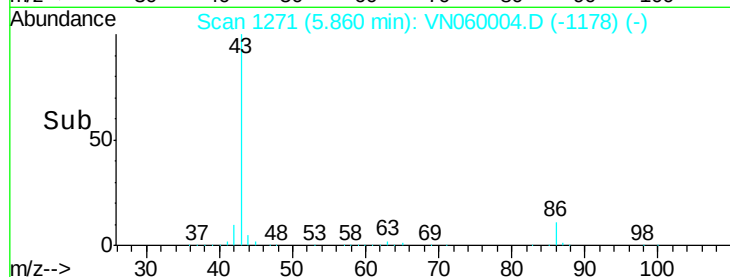
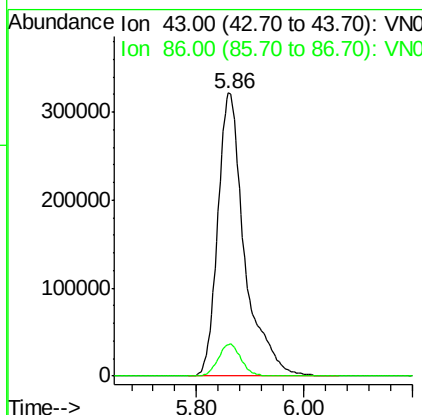
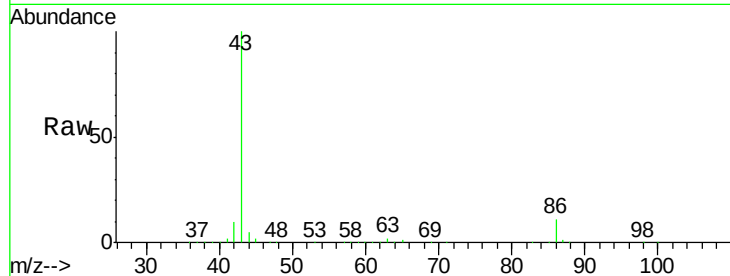
#23
 Vinyl Acetate
 Concen: 277.478 ug/l
 RT: 5.86 min Scan# 1271
 Delta R.T. 0.00 min
 Lab File: VN060004.D
 Acq: 4 Feb 2020 18:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 43 Resp: 1107358
 Ion Ratio Lower Upper
 43 100
 86 11.2 7.6 11.4

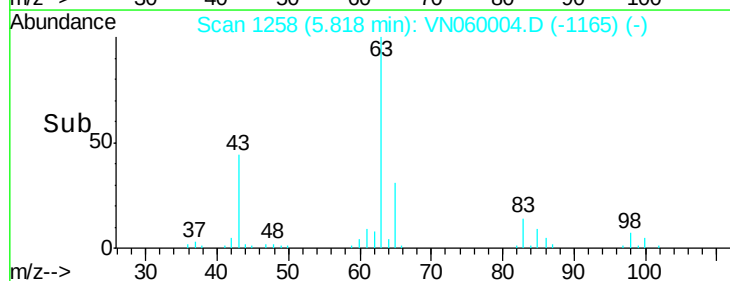
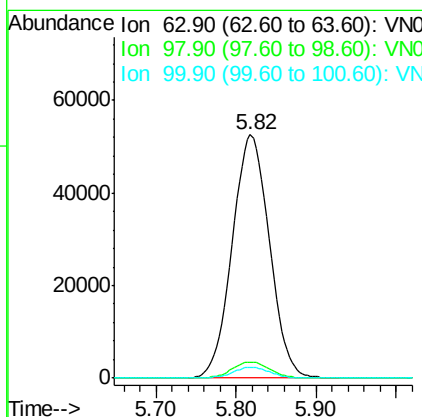
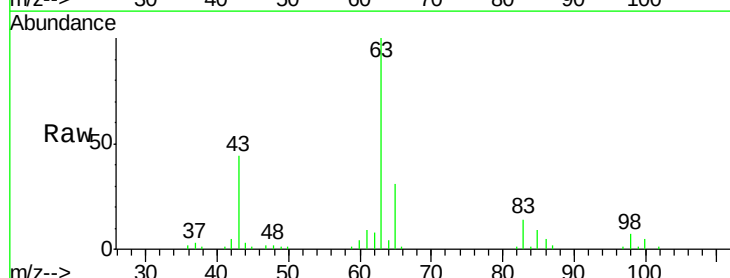
Manual Integrations
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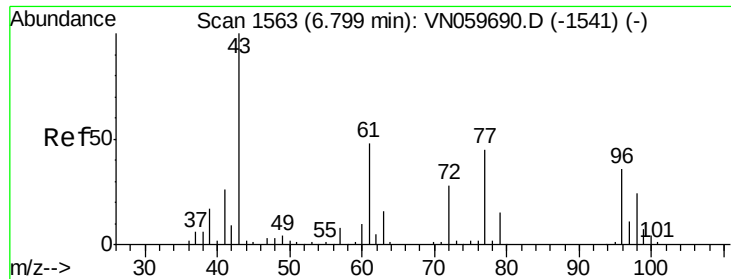
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#24
 1,1-Dichloroethane
 Concen: 52.697 ug/l
 RT: 5.82 min Scan# 1258
 Delta R.T. 0.00 min
 Lab File: VN060004.D
 Acq: 4 Feb 2020 18:58

Tgt Ion: 63 Resp: 165970
 Ion Ratio Lower Upper
 63 100
 98 6.7 2.9 8.7
 100 4.6 2.0 6.0





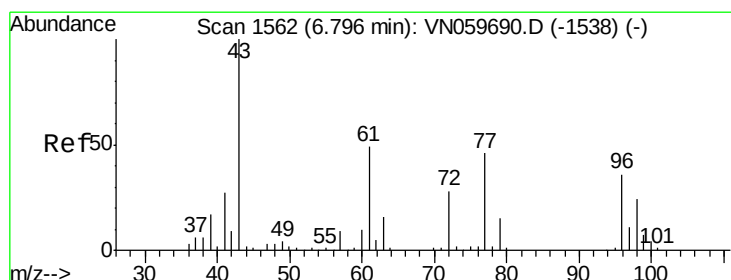
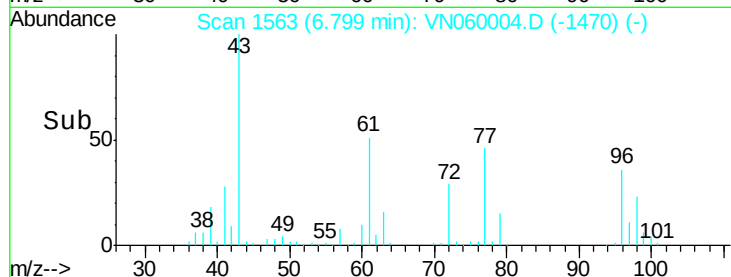
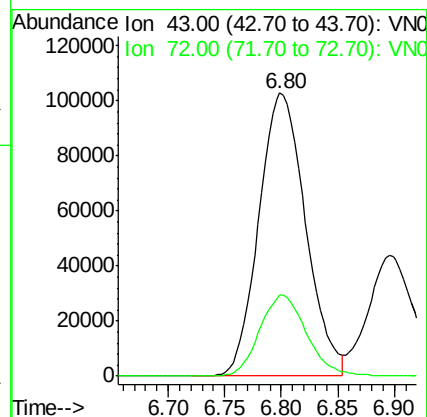
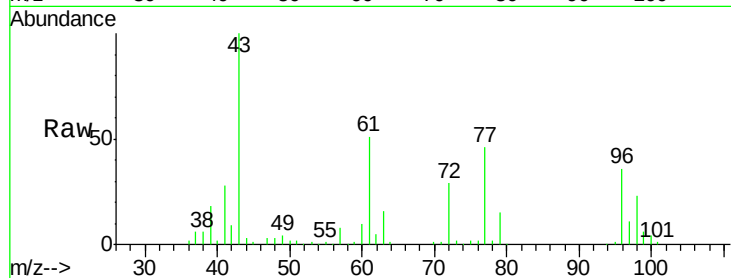
#25
2-Butanone
Concen: 254.171 ug/l
RT: 6.80 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VN060004.D
Acq: 4 Feb 2020 18:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 294822
Ion Ratio Lower Upper
43 100
72 28.5 19.9 29.9

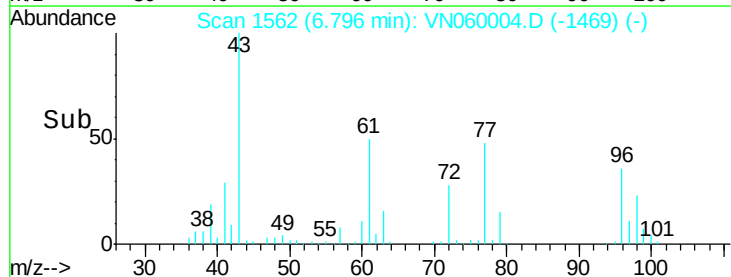
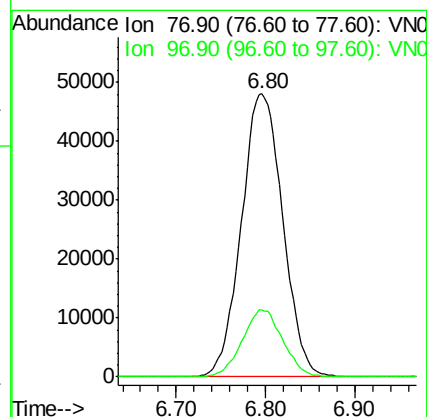
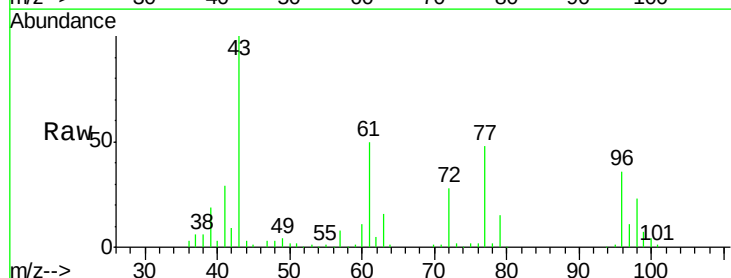
Manual Integrations
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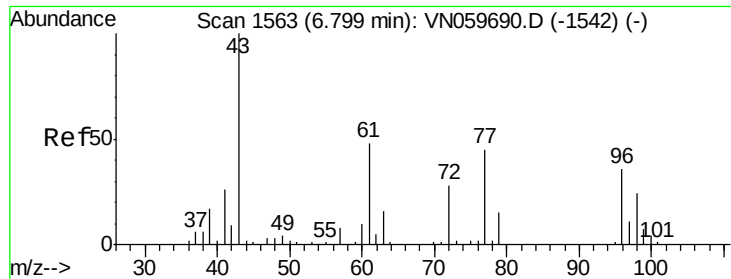
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#26
2,2-Dichloropropane
Concen: 51.071 ug/l
RT: 6.80 min Scan# 1562
Delta R.T. 0.00 min
Lab File: VN060004.D
Acq: 4 Feb 2020 18:58

Tgt Ion: 77 Resp: 154635
Ion Ratio Lower Upper
77 100
97 23.2 10.7 31.9





#27

cis-1,2-Dichloroethene

Concen: 52.596 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VN060004.D

Acq: 4 Feb 2020 18:58

Instrument :

MSVOA_N

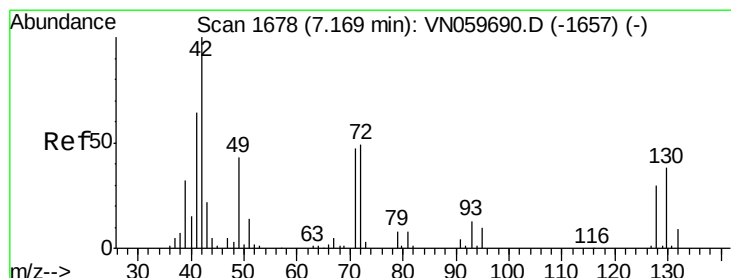
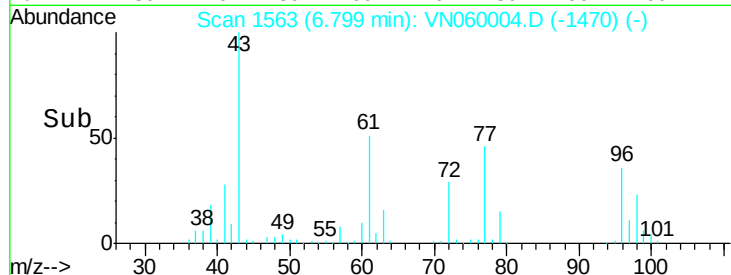
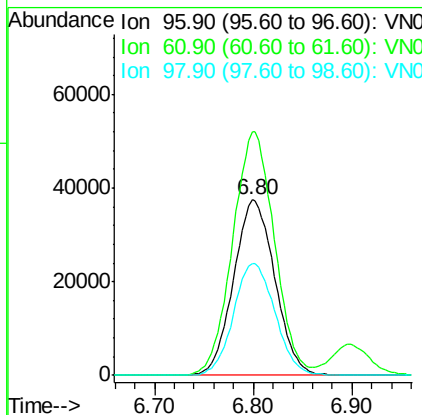
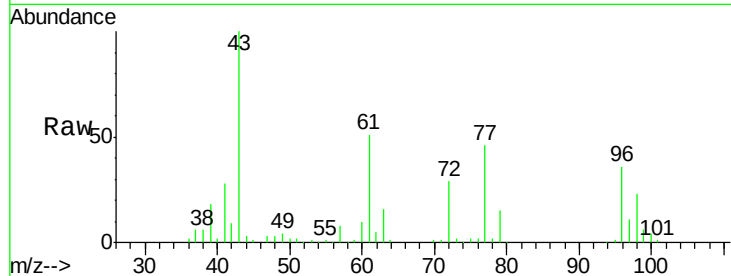
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	108513
Ion Ratio	Lower	Upper	
96	100		
61	140.6	0.0	317.6
98	64.2	0.0	127.0

Manual Integrations
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#28

Bromochloromethane

Concen: 55.081 ug/l

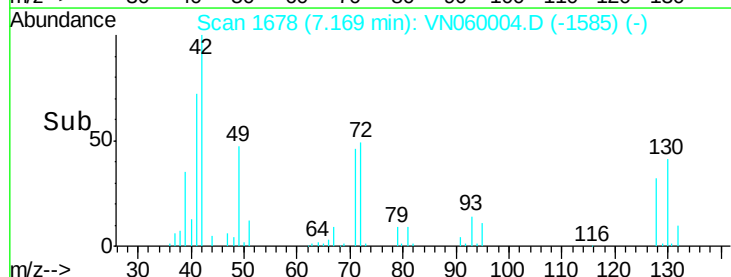
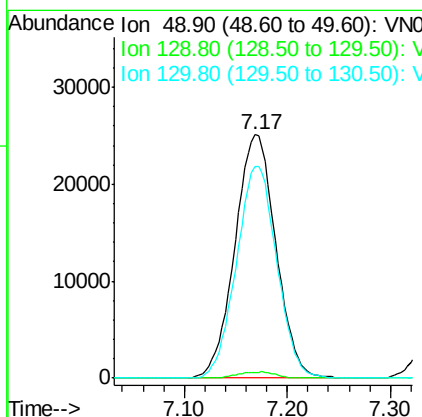
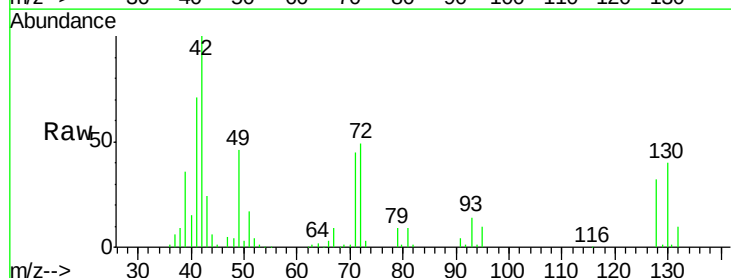
RT: 7.17 min Scan# 1678

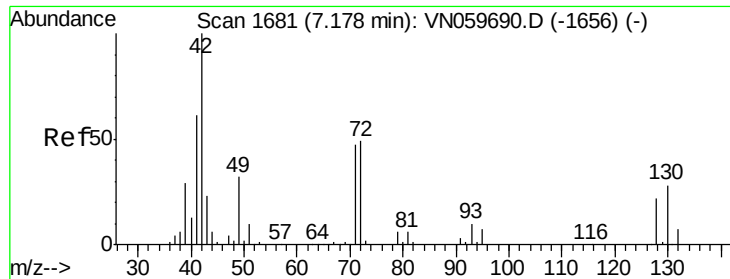
Delta R.T. 0.00 min

Lab File: VN060004.D

Acq: 4 Feb 2020 18:58

Tgt Ion:	49	Resp:	69336
Ion Ratio	Lower	Upper	
49	100		
129	2.2	0.0	3.4
130	86.0	54.7	82.1#





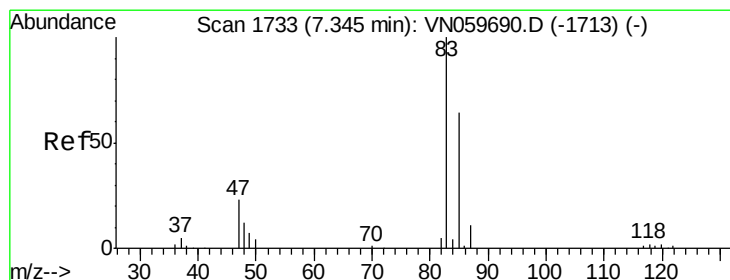
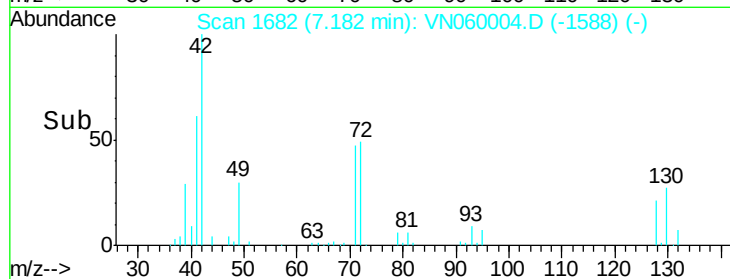
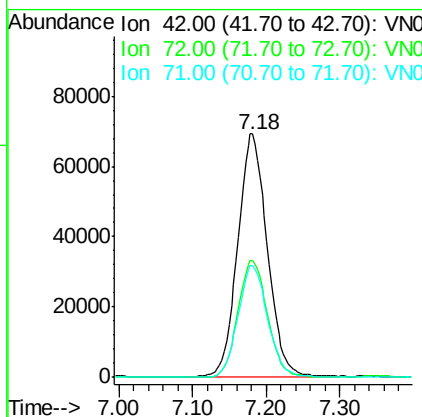
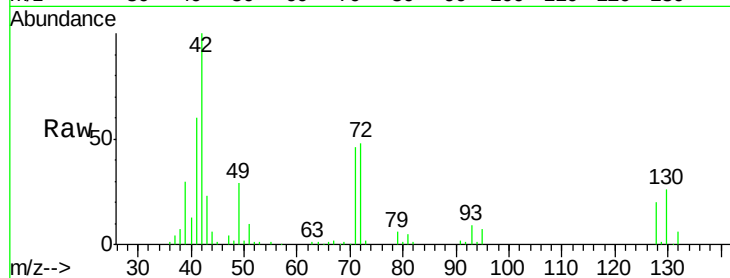
#29
Tetrahydrofuran
Concen: 271.153 ug/l
RT: 7.18 min Scan# 1682
Delta R.T. 0.00 min
Lab File: VN060004.D
Acq: 4 Feb 2020 18:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	47.7	33.1	49.7
71	45.8	31.4	47.0

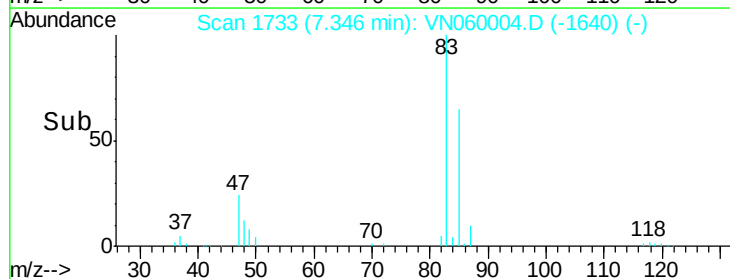
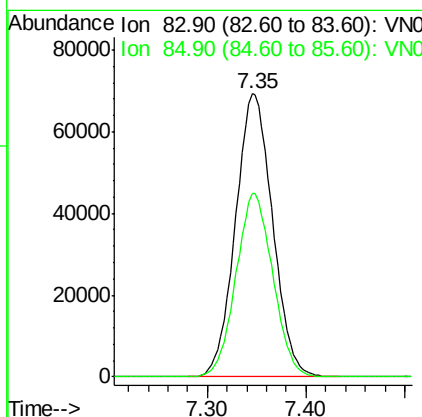
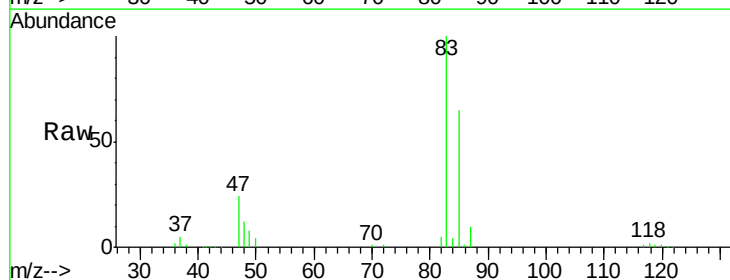
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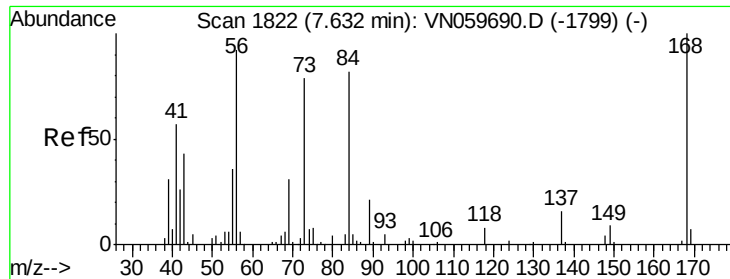
MMDadoda
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#30
Chloroform
Concen: 55.344 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. 0.00 min
Lab File: VN060004.D
Acq: 4 Feb 2020 18:58

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.9	52.4	78.6





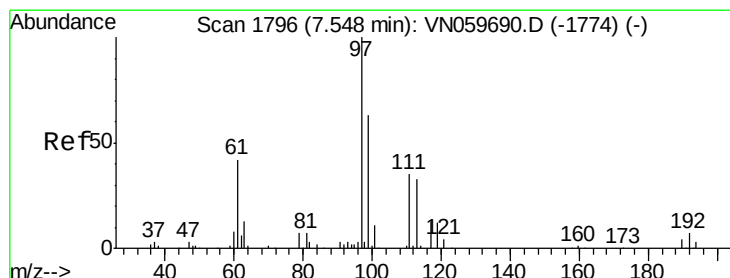
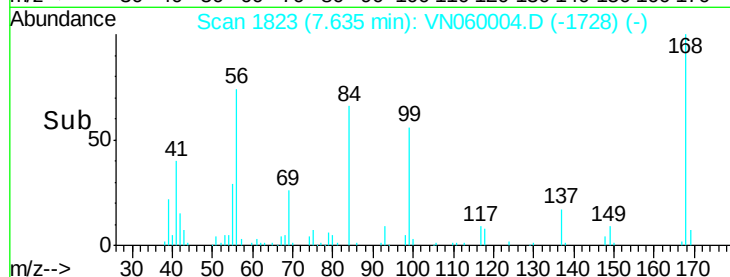
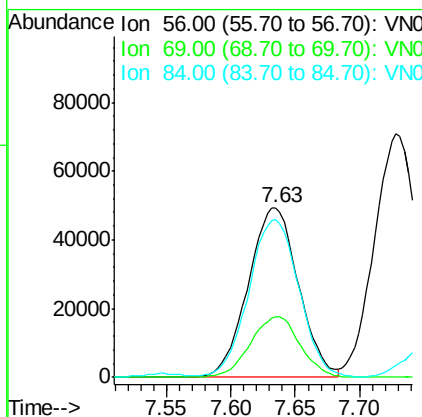
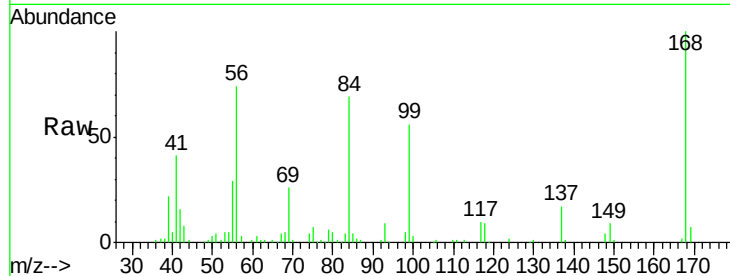
#31
Cyclohexane
Concen: 44.206 ug/l
RT: 7.63 min Scan# 1823
Delta R.T. 0.00 min
Lab File: VN060004.D
Acq: 4 Feb 2020 18:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	35.7	26.5	39.7
84	91.8	65.3	97.9

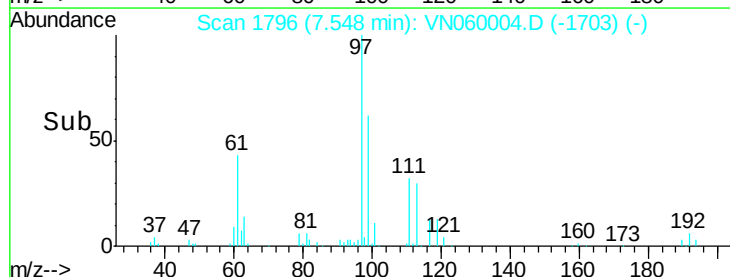
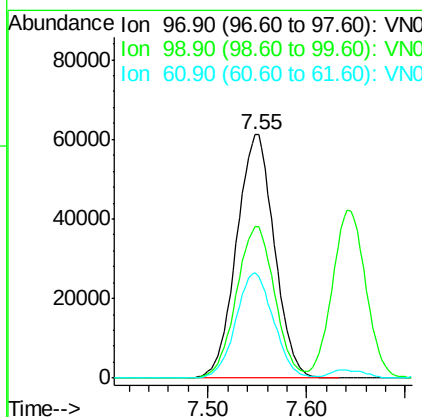
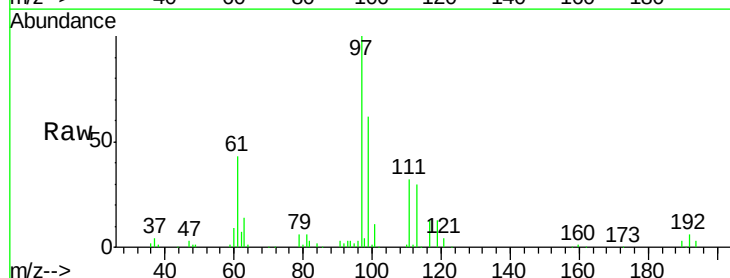
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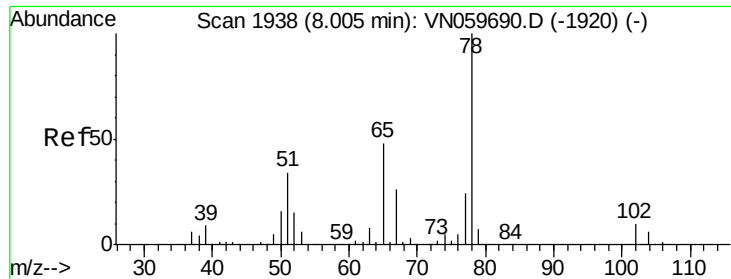
MMDadoda
2/5/2020 12:23:32 PM



#32
1,1,1-Trichloroethane
Concen: 53.717 ug/l
RT: 7.55 min Scan# 1796
Delta R.T. 0.00 min
Lab File: VN060004.D
Acq: 4 Feb 2020 18:58

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.1	51.0	76.4
61	43.2	38.5	57.7





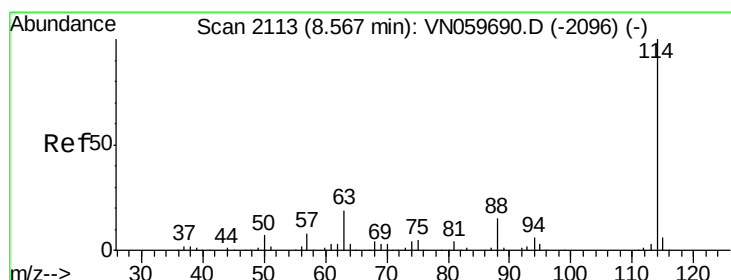
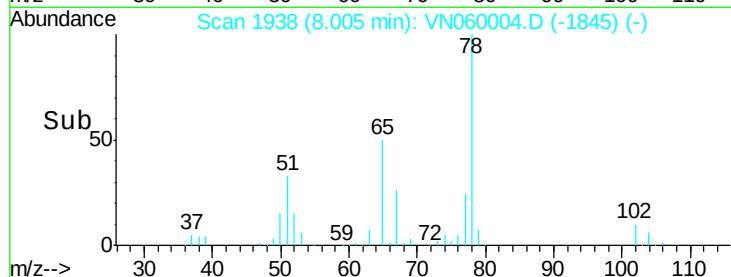
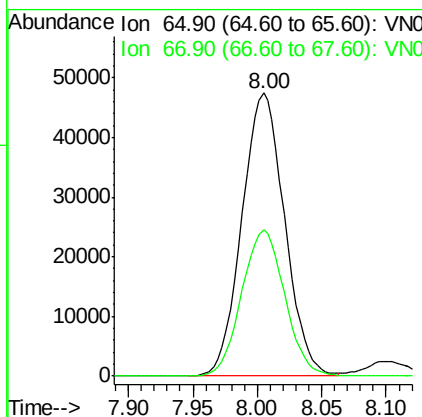
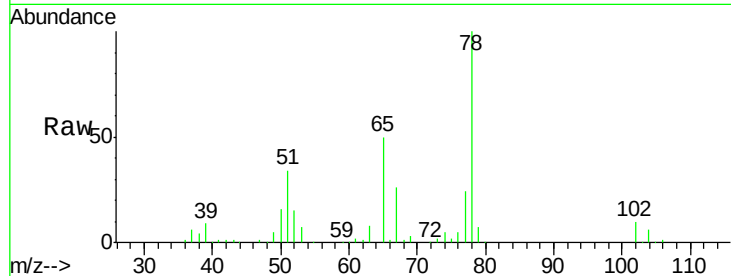
#33
 1,2-Dichloroethane-d4
 Concen: 53.553 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. 0.00 min
 Lab File: VN060004.D
 Acq: 4 Feb 2020 18:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100	109692		
67	52.0	0.0	103.0	

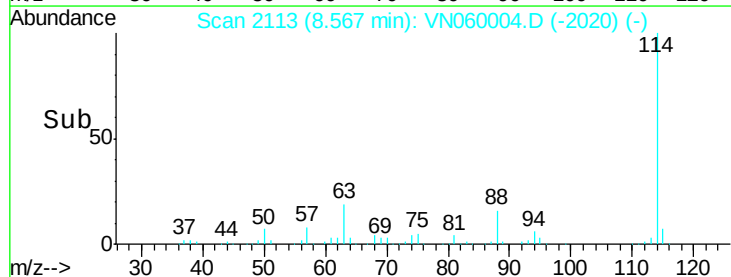
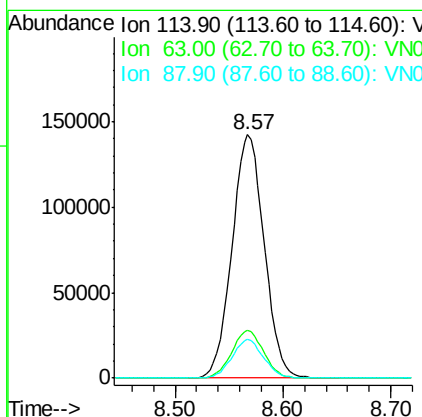
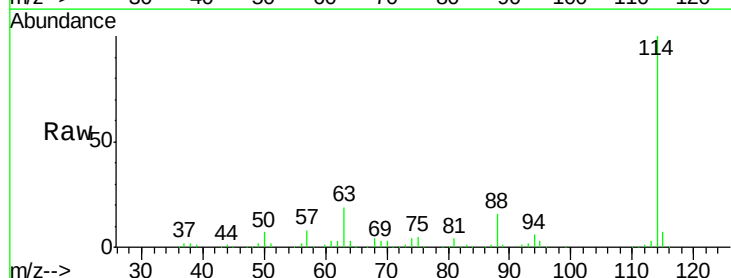
Manual Integrations
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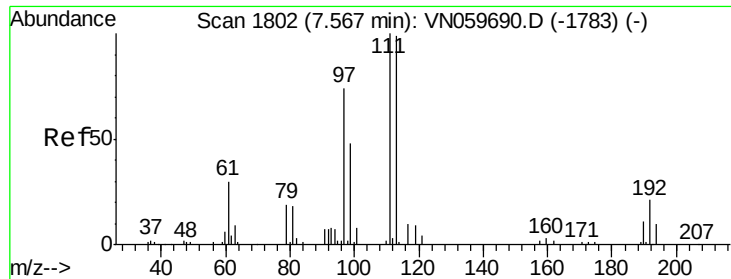
MMDadoda
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VN060004.D
 Acq: 4 Feb 2020 18:58

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	295650		
63	19.5	0.0	43.6	
88	15.7	0.0	31.4	





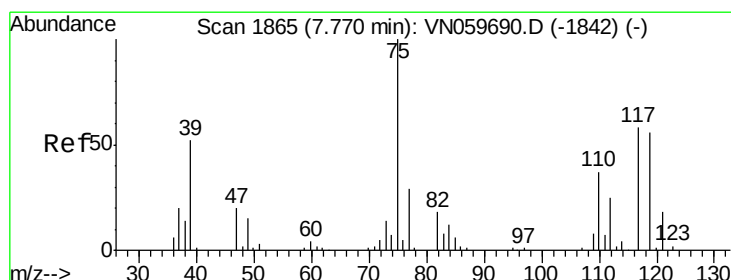
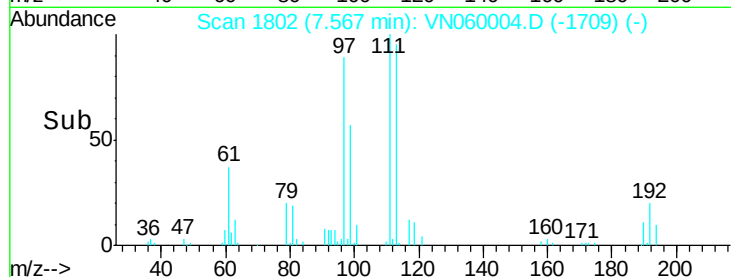
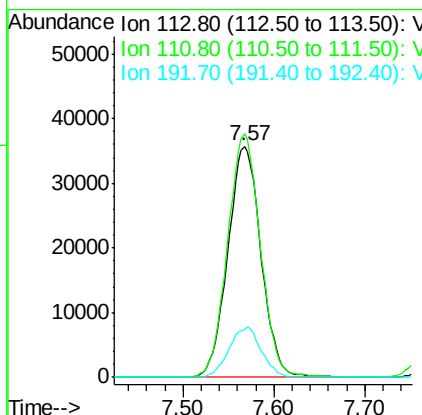
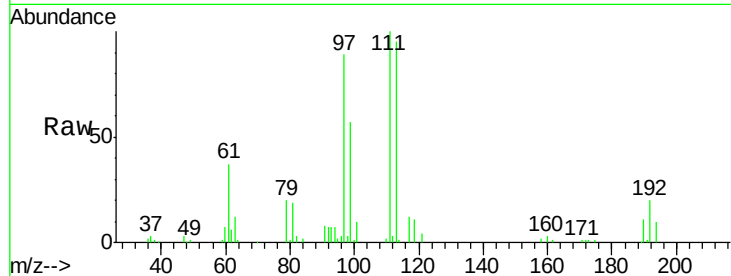
#35
 Dibromofluoromethane
 Concen: 51.318 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. 0.00 min
 Lab File: VN060004.D
 Acq: 4 Feb 2020 18:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
113	100		
111	104.2	83.5	125.3
192	21.1	15.4	23.2

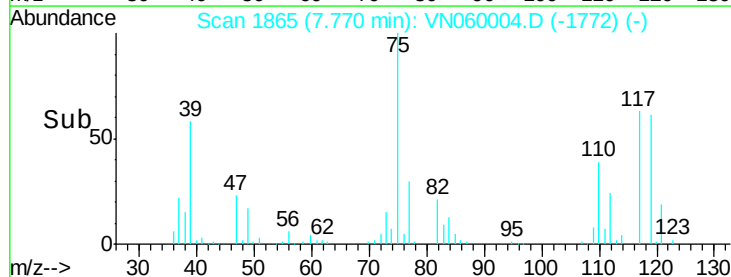
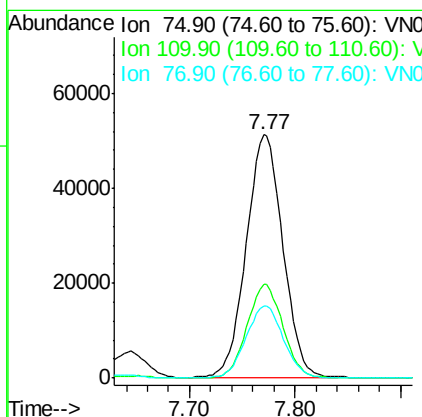
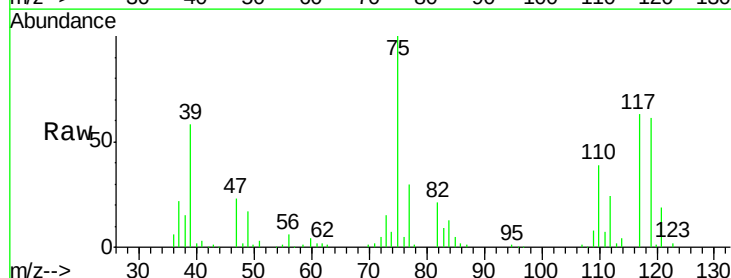
Manual Integrations
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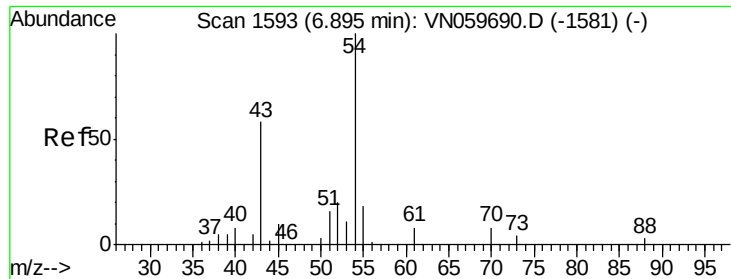
MMDadoda
 2/5/2020 12:23:32 PM



#36
 1,1-Dichloropropene
 Concen: 48.355 ug/l
 RT: 7.77 min Scan# 1865
 Delta R.T. 0.00 min
 Lab File: VN060004.D
 Acq: 4 Feb 2020 18:58

Tgt Ion	Ratio	Lower	Upper
75	100		
110	37.5	16.6	49.7
77	30.4	25.1	37.7





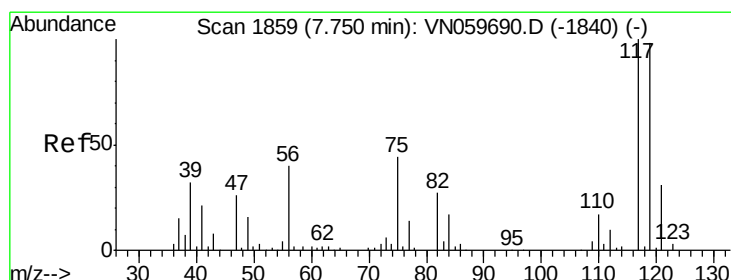
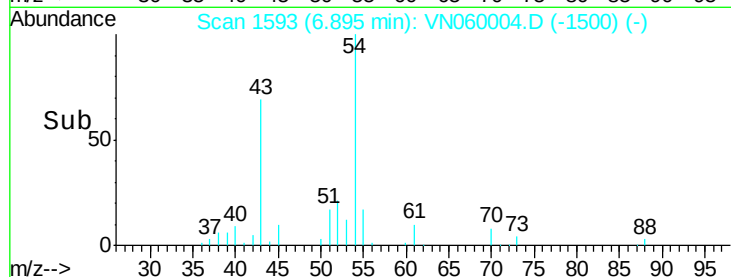
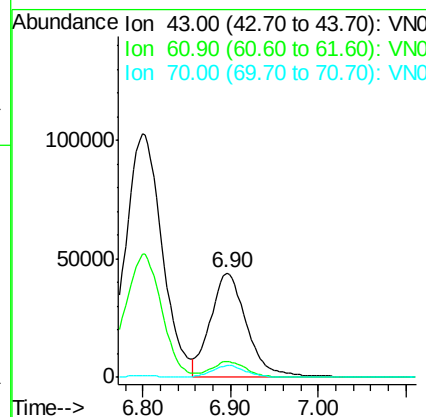
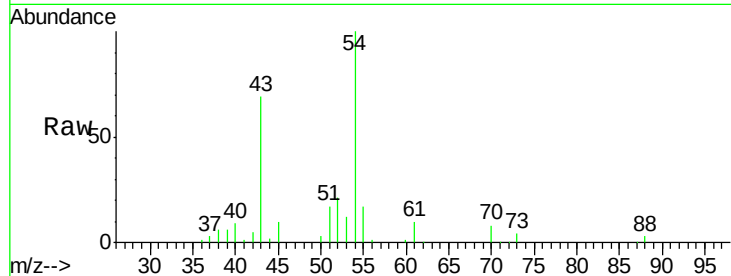
#37
Ethyl Acetate
Concen: 51.855 ug/l
RT: 6.90 min Scan# 1593
Delta R.T. 0.00 min
Lab File: VN060004.D
Acq: 4 Feb 2020 18:58

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.7	10.9	16.3
70	10.9	7.7	11.5

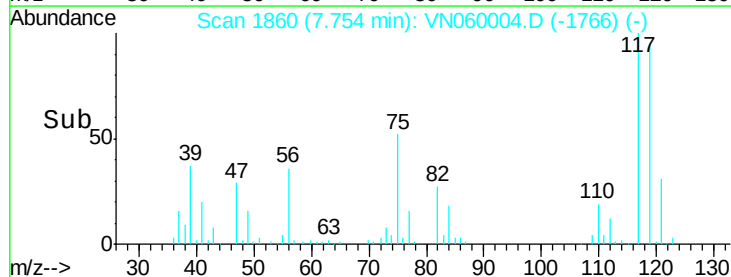
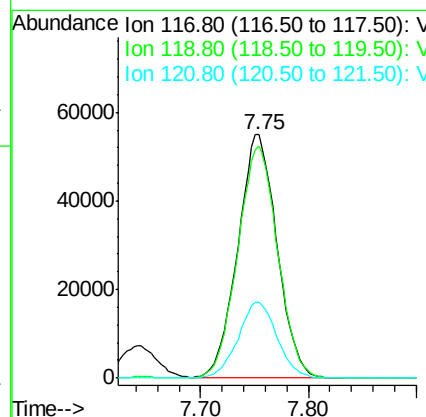
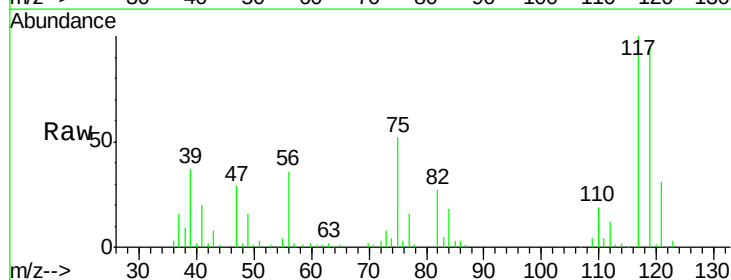
Manual Integrations
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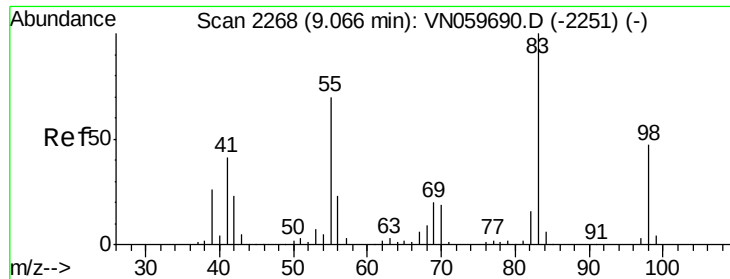
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2/5/2020 12:23:32 PM



#38
Carbon Tetrachloride
Concen: 49.712 ug/l
RT: 7.75 min Scan# 1860
Delta R.T. 0.00 min
Lab File: VN060004.D
Acq: 4 Feb 2020 18:58

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.1	76.5	114.7
121	31.3	25.1	37.7





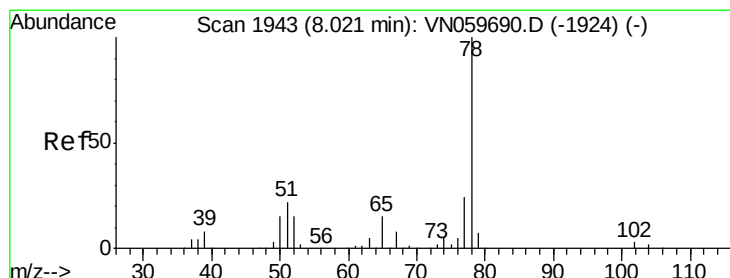
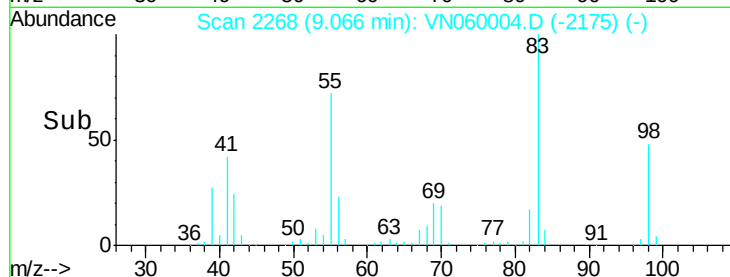
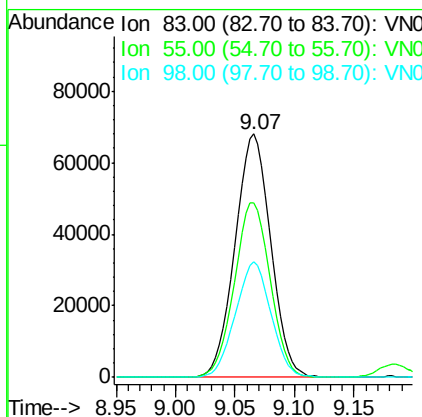
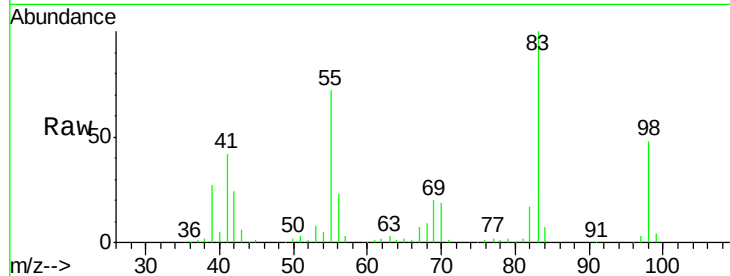
#39
Methylvlcyclohexane
Concen: 44.641 ug/l
RT: 9.07 min Scan# 2268
Delta R.T. 0.00 min
Lab File: VN060004.D
Acq: 4 Feb 2020 18:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	71.9	64.2	96.2
98	47.6	35.9	53.9

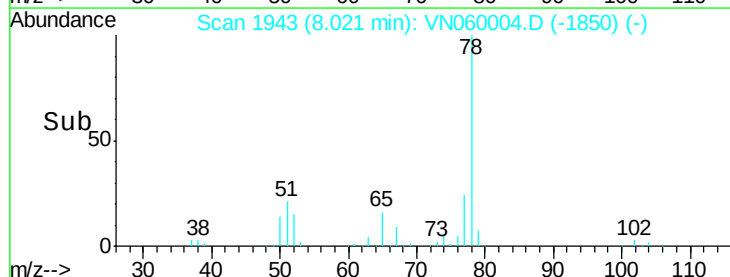
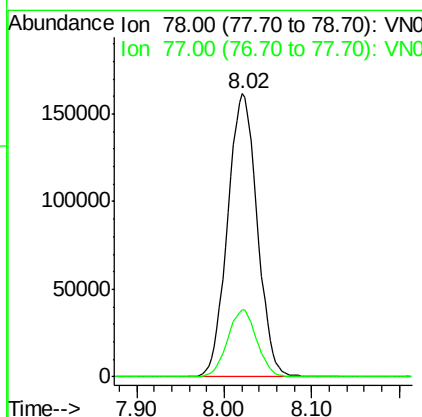
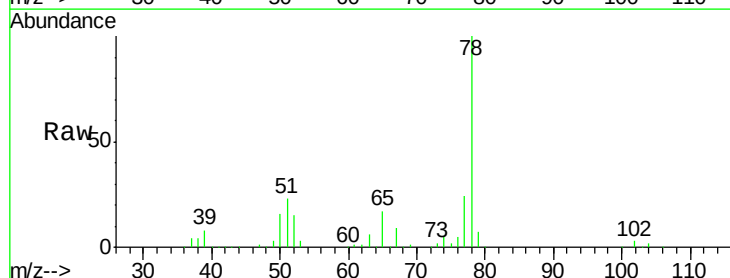
Manual Integrations
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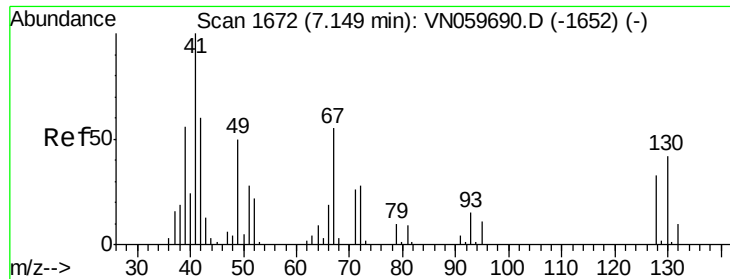
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#40
Benzene
Concen: 49.450 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. 0.00 min
Lab File: VN060004.D
Acq: 4 Feb 2020 18:58

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.7	18.9	28.3





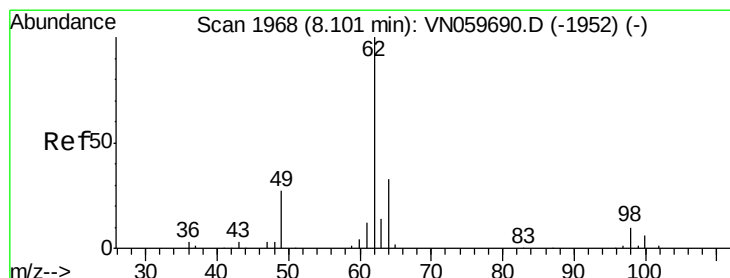
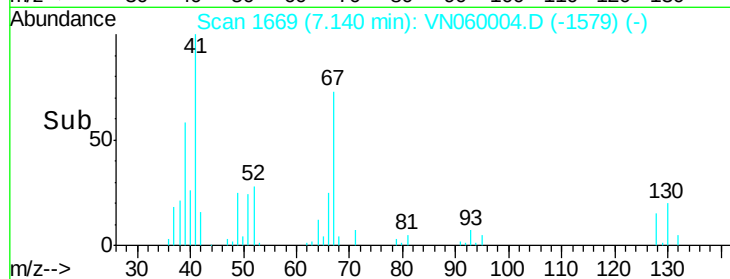
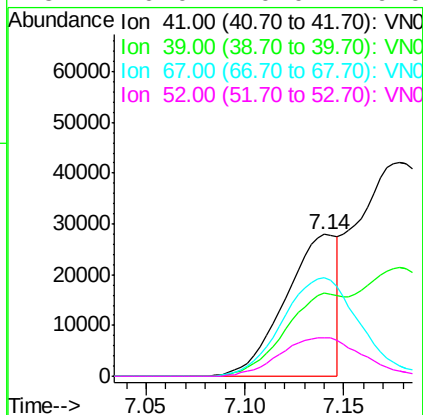
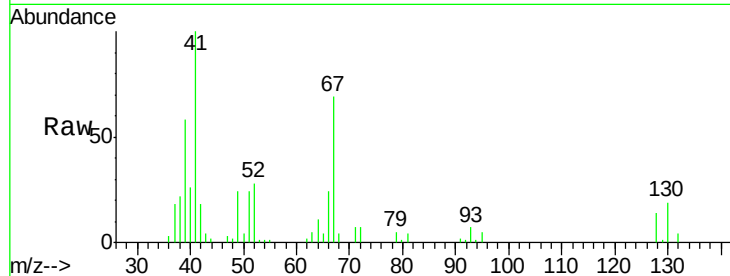
#41
Methacrylonitrile
Concen: 42.571 ug/l m
RT: 7.14 min Scan# 1669
Delta R.T. -0.01 min
Lab File: VN060004.D
Acq: 4 Feb 2020 18:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	41	Resp	50634
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

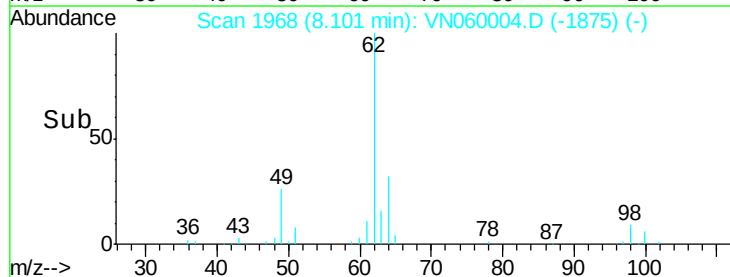
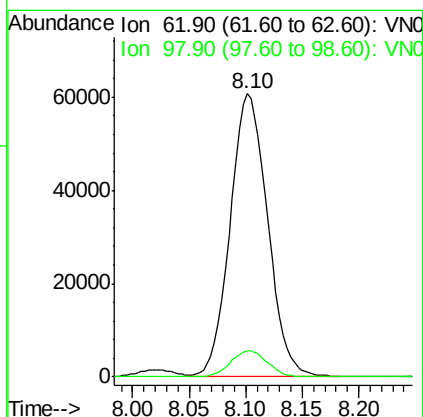
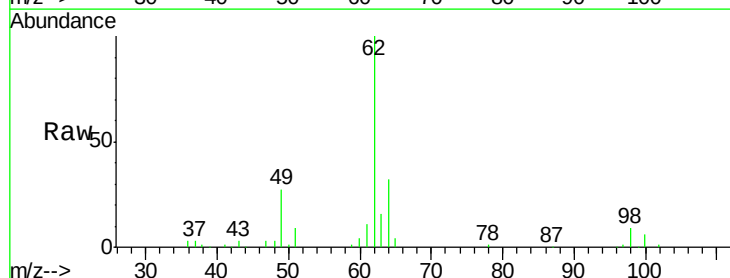
Manual Integrations
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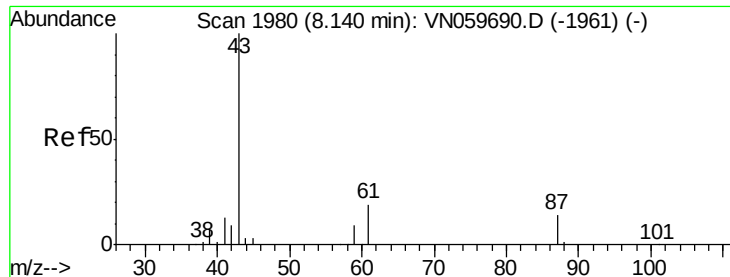
MMDadoda
2/5/2020 12:23:32 PM



#42
1,2-Dichloroethane
Concen: 53.434 ug/l
RT: 8.10 min Scan# 1968
Delta R.T. 0.00 min
Lab File: VN060004.D
Acq: 4 Feb 2020 18:58

Tgt Ion	62	Resp	139110
Ion	Ratio	Lower	Upper
62	100		
98	9.2	0.0	15.8





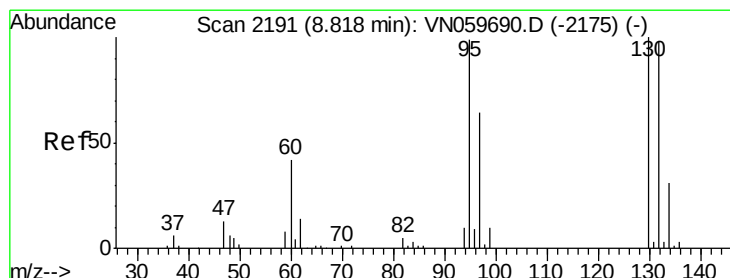
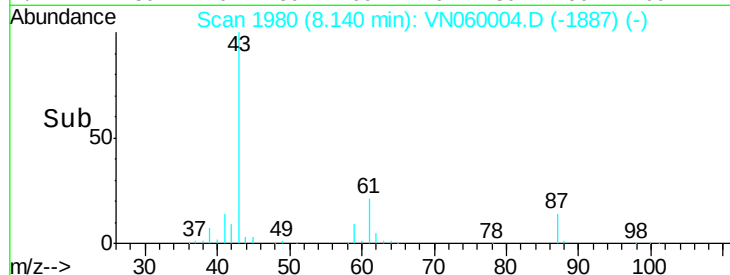
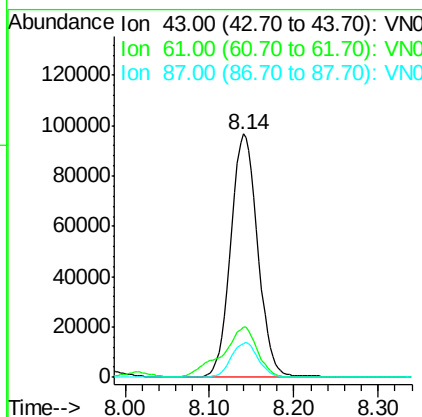
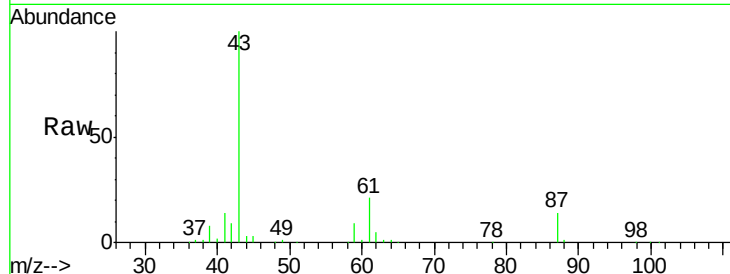
#43
Isopropyl Acetate
Concen: 52.028 ug/l
RT: 8.14 min Scan# 1980
Delta R.T. 0.00 min
Lab File: VN060004.D
Acq: 4 Feb 2020 18:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	27.1	20.2	30.2
87	14.3	9.5	14.3

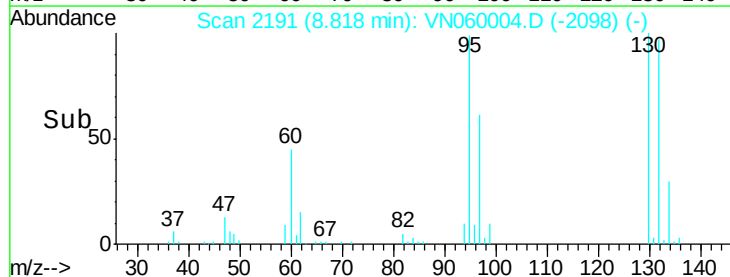
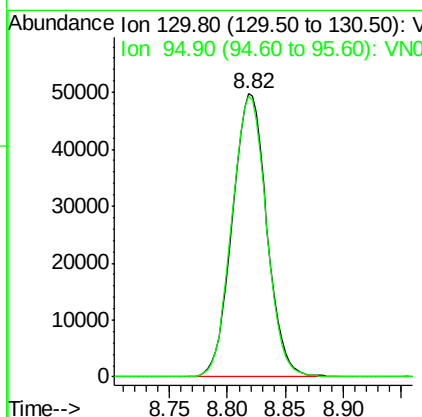
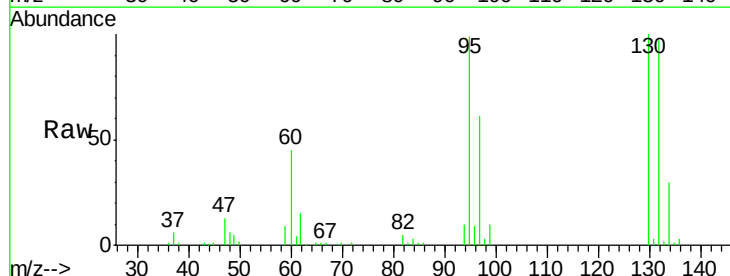
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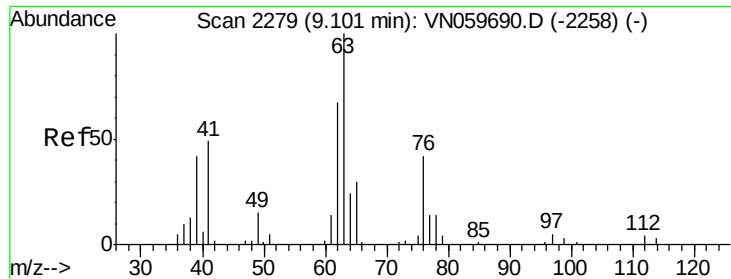
MMDadoda
2/5/2020 12:23:32 PM



#44
Trichloroethene
Concen: 48.849 ug/l
RT: 8.82 min Scan# 2191
Delta R.T. 0.00 min
Lab File: VN060004.D
Acq: 4 Feb 2020 18:58

Tgt Ion	Ratio	Lower	Upper
130	100		
95	99.1	0.0	207.0





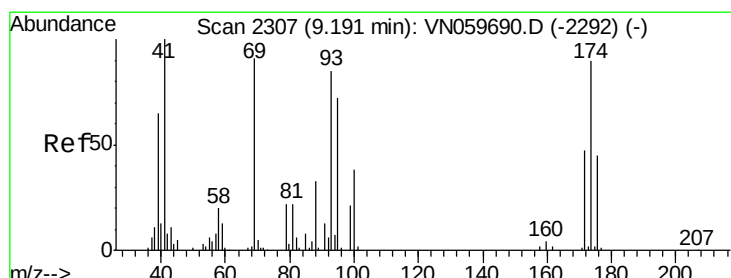
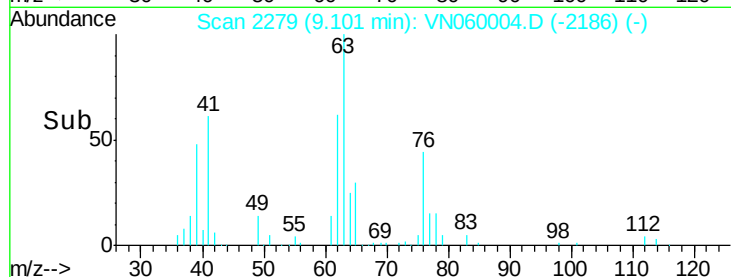
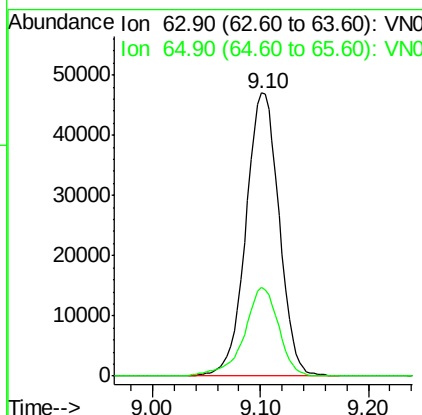
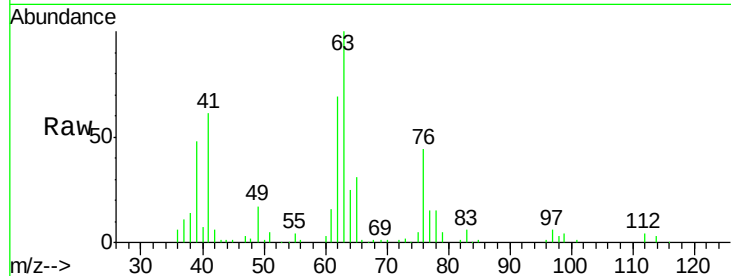
#45
 1,2-Dichloropropane
 Concen: 52.933 ug/l
 RT: 9.10 min Scan# 2279
 Delta R.T. 0.00 min
 Lab File: VN060004.D
 Acq: 4 Feb 2020 18:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 63 Resp: 100575
 Ion Ratio Lower Upper
 63 100
 65 31.2 24.9 37.3

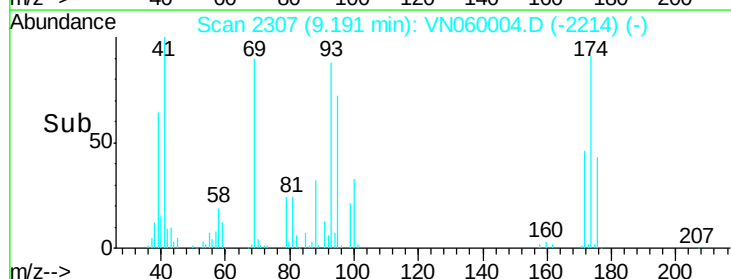
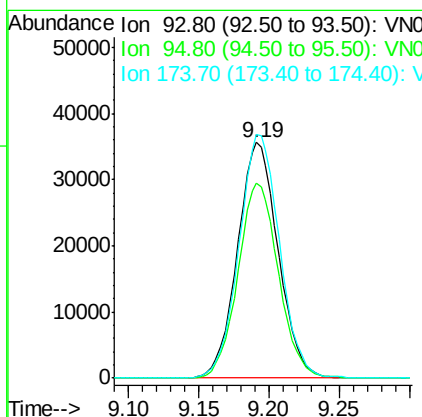
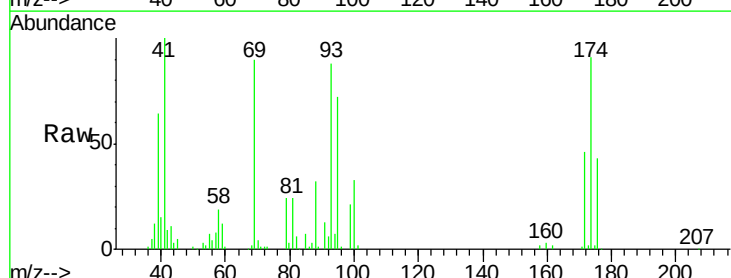
Manual Integrations
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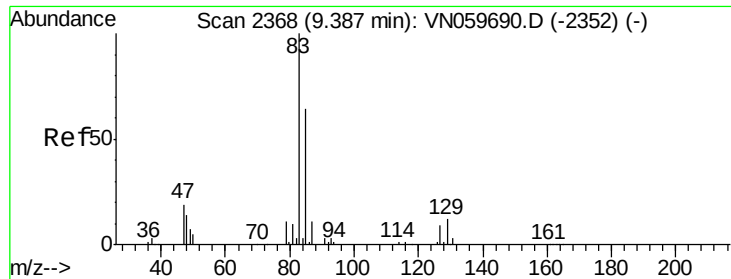
MMDadoda
 2/5/2020 12:23:32 PM



#46
 Dibromomethane
 Concen: 53.617 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. 0.00 min
 Lab File: VN060004.D
 Acq: 4 Feb 2020 18:58

Tgt Ion: 93 Resp: 71863
 Ion Ratio Lower Upper
 93 100
 95 82.3 67.0 100.6
 174 103.1 73.4 110.2





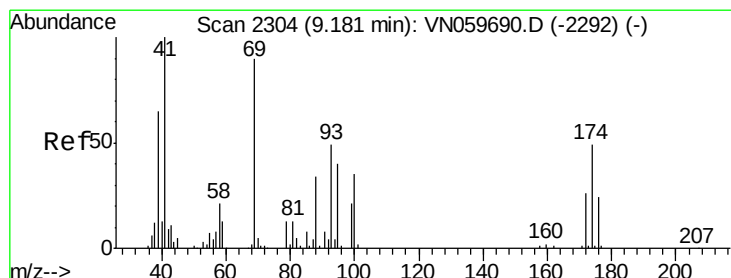
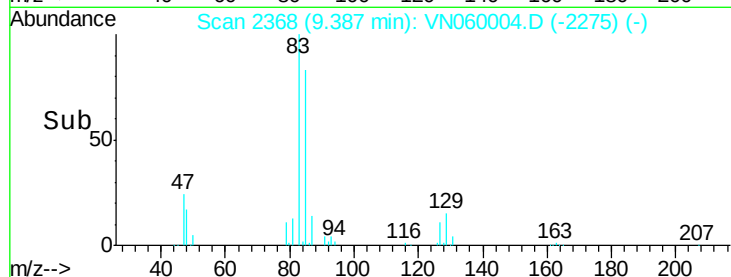
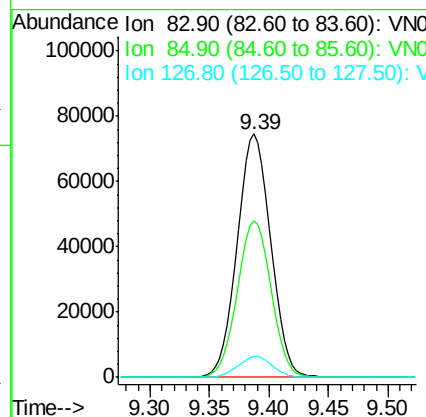
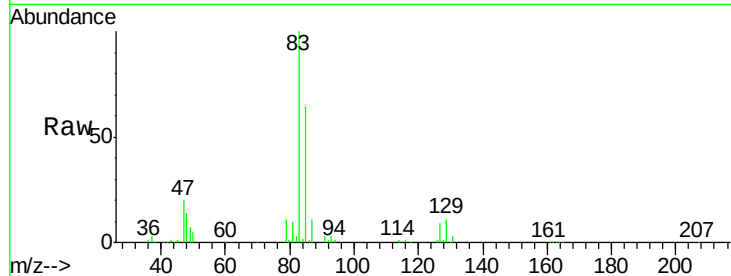
#47
Bromodichloromethane
Concen: 54.130 ug/l
RT: 9.39 min Scan# 2368
Delta R.T. 0.00 min
Lab File: VN060004.D
Acq: 4 Feb 2020 18:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
85	64.4	51.1	76.7	
127	8.8	6.6	9.8	

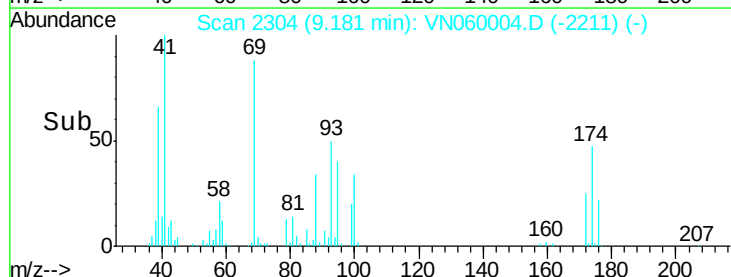
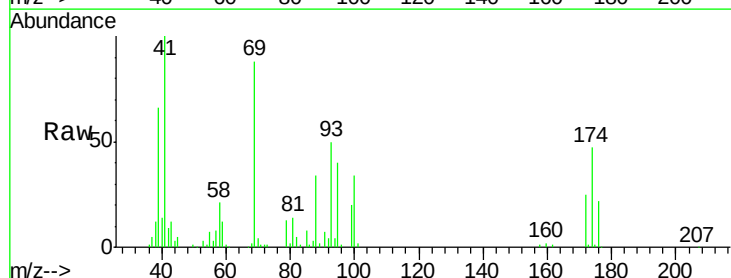
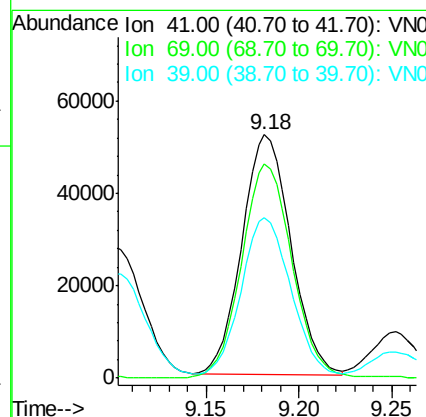
Manual Integrations
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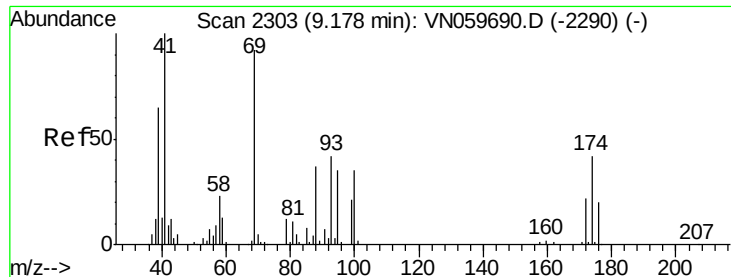
MMDadoda
2/5/2020 12:23:32 PM



#48
Methyl methacrylate
Concen: 51.536 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. 0.00 min
Lab File: VN060004.D
Acq: 4 Feb 2020 18:58

Tgt Ion	Ratio	Resp	Lower	Upper
41	100			
69	92.3	64.4	96.6	
39	68.7	51.3	76.9	





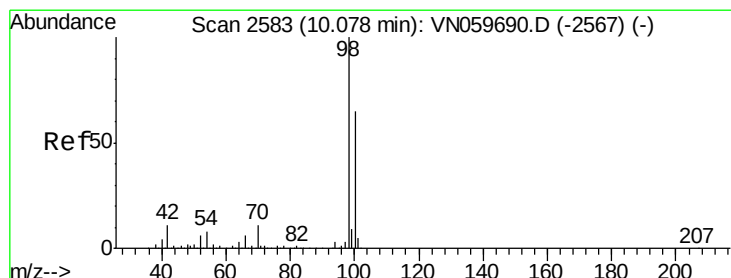
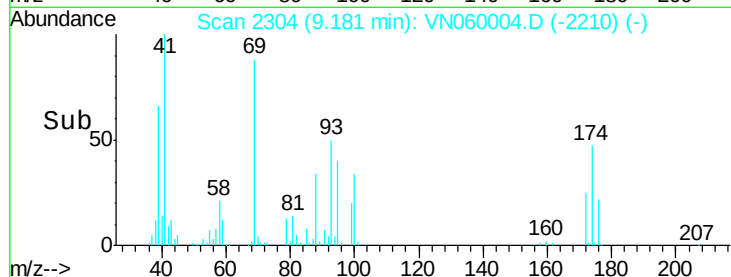
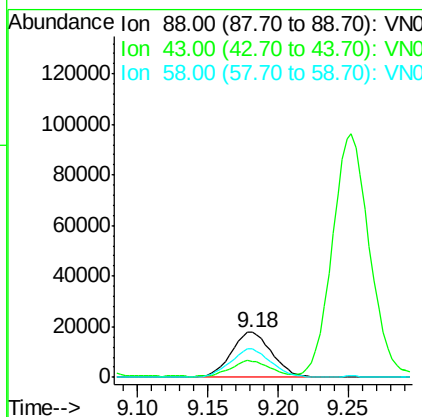
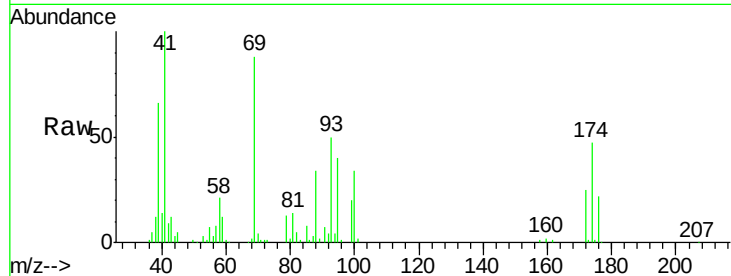
#49
1,4-Dioxane
Concen: 1065.930 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. 0.00 min
Lab File: VN060004.D
Acq: 4 Feb 2020 18:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	88	Resp	36253
Ion	Ratio	Lower	Upper
88	100		
43	32.6	29.7	44.5
58	63.0	56.6	85.0

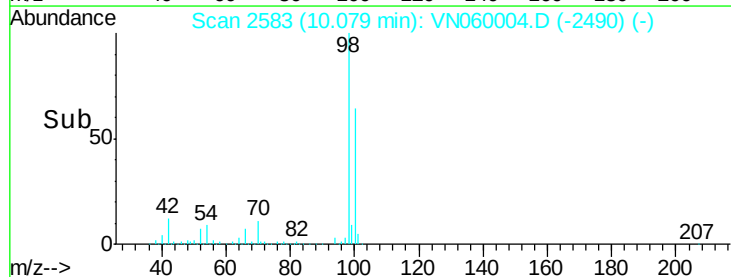
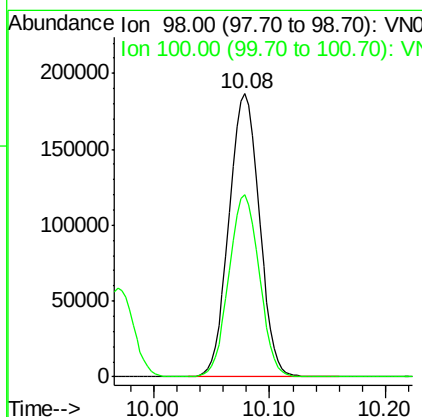
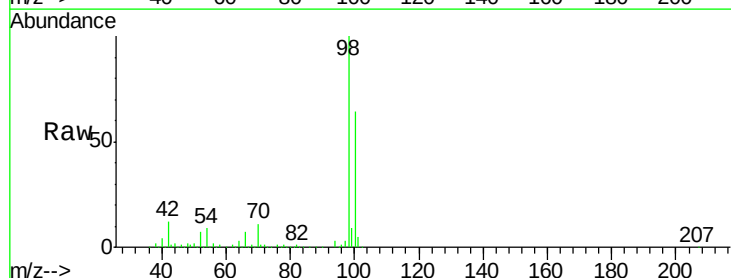
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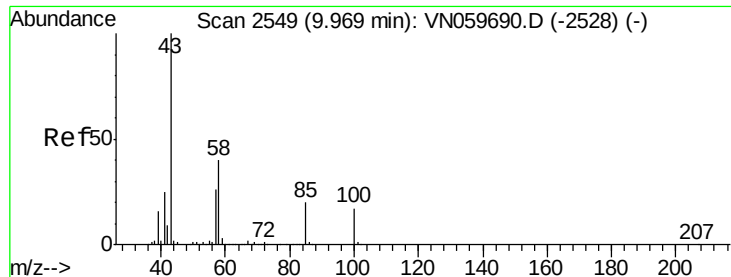
MMDadoda
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#50
Toluene-d8
Concen: 49.575 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. 0.00 min
Lab File: VN060004.D
Acq: 4 Feb 2020 18:58

Tgt Ion	98	Resp	338655
Ion	Ratio	Lower	Upper
98	100		
100	64.3	51.2	76.8





#51

4-Methyl-2-Pentanone

Concen: 269.468 ug/l

RT: 9.97 min Scan# 2549

Delta R.T. 0.00 min

Lab File: VN060004.D

Acq: 4 Feb 2020 18:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 646997

Ion Ratio Lower Upper

43 100

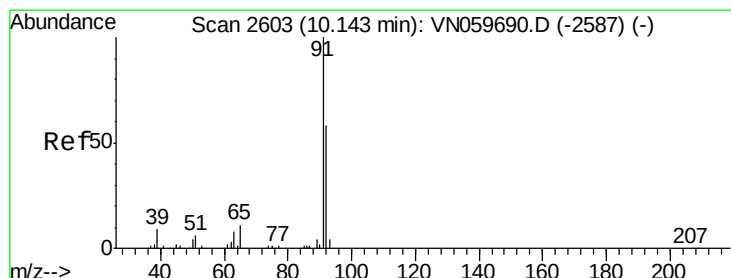
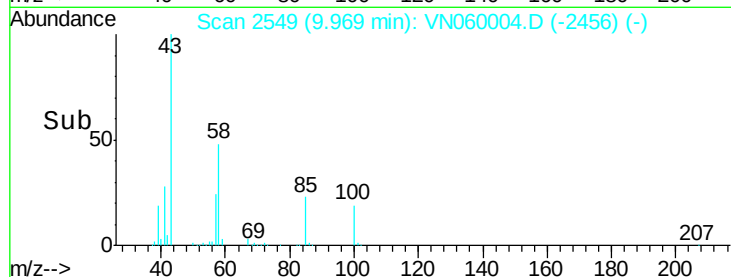
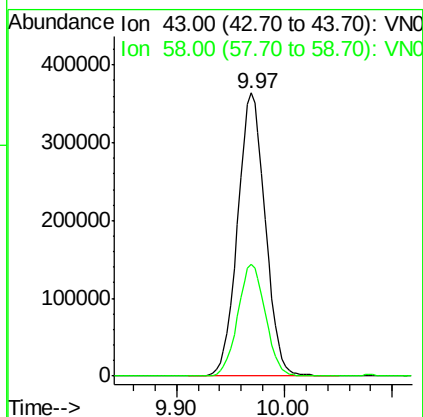
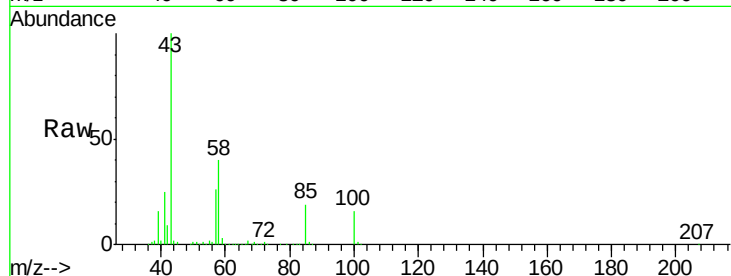
58 39.6 29.8 44.8

Manual Integrations

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#52

Toluene

Concen: 50.532 ug/l

RT: 10.14 min Scan# 2603

Delta R.T. 0.00 min

Lab File: VN060004.D

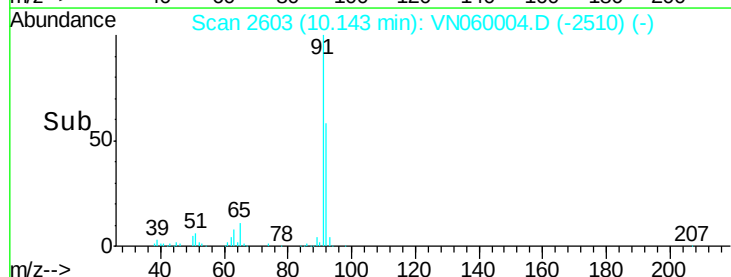
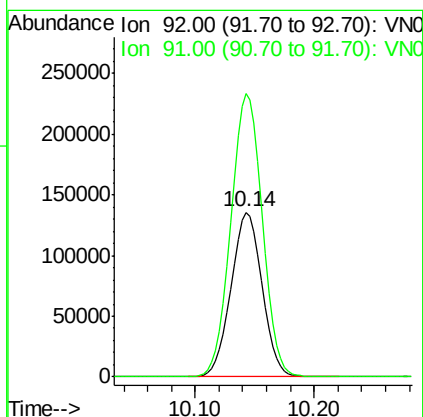
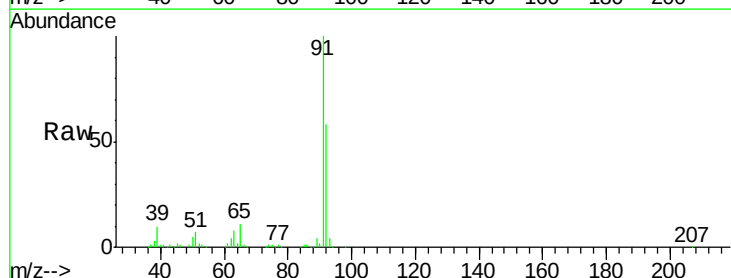
Acq: 4 Feb 2020 18:58

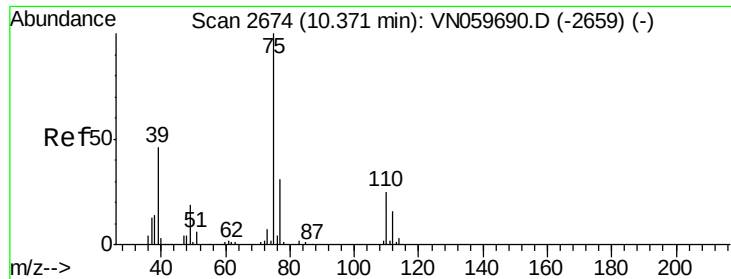
Tgt Ion: 92 Resp: 245083

Ion Ratio Lower Upper

92 100

91 174.1 140.4 210.6





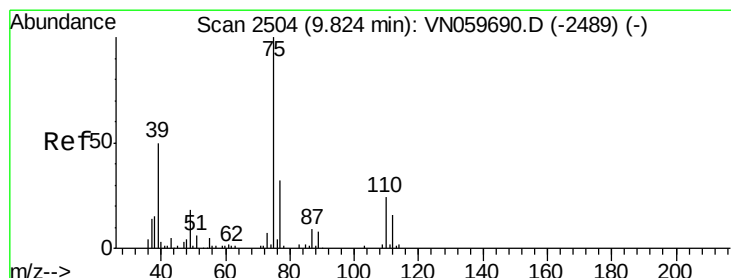
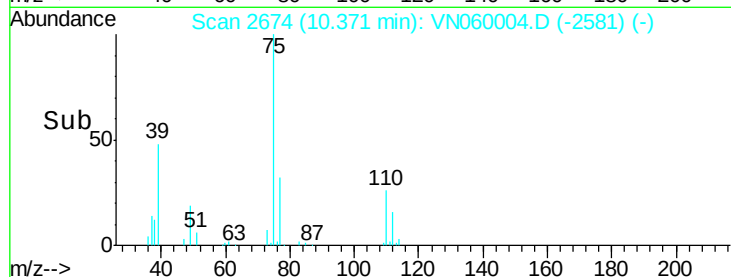
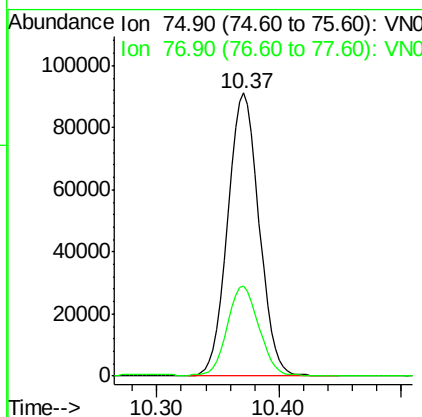
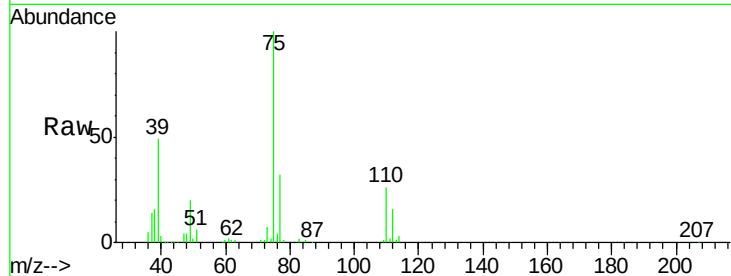
#53
t-1,3-Dichloropropene
Concen: 54.296 ug/l
RT: 10.37 min Scan# 2674
Delta R.T. 0.00 min
Lab File: VN060004.D
Acq: 4 Feb 2020 18:58

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050EC

Tot Ion: 75 Resp: 163747
Ion Ratio Lower Upper
75 100
77 31.6 25.4 38.2

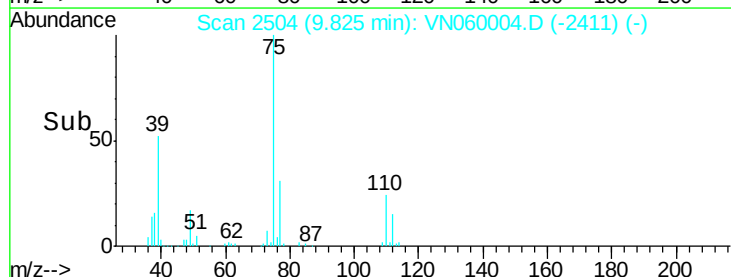
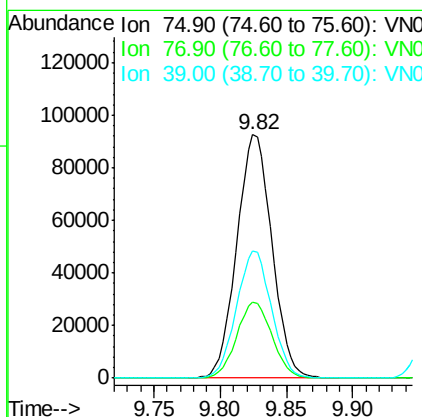
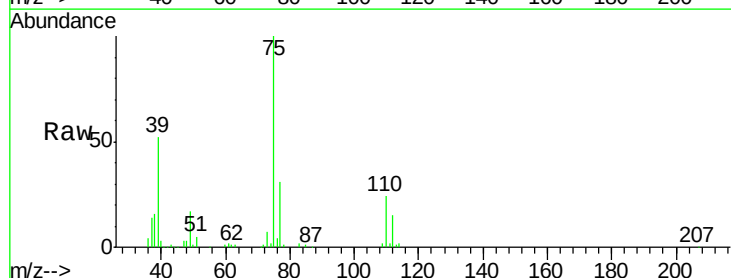
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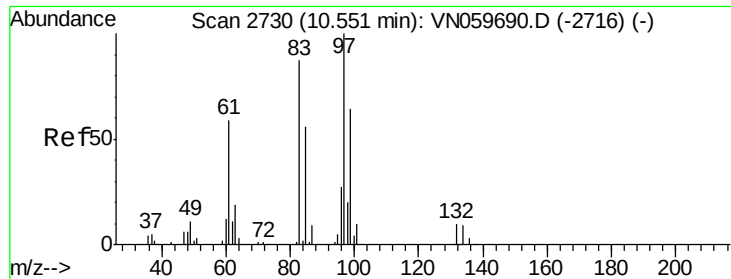
MMDadoda
2/5/2020 12:23:32 PM



#54
cis-1,3-Dichloropropene
Concen: 53.871 ug/l
RT: 9.82 min Scan# 2504
Delta R.T. 0.00 min
Lab File: VN060004.D
Acq: 4 Feb 2020 18:58

Tgt Ion: 75 Resp: 170943
Ion Ratio Lower Upper
75 100
77 31.2 25.1 37.7
39 52.4 46.1 69.1





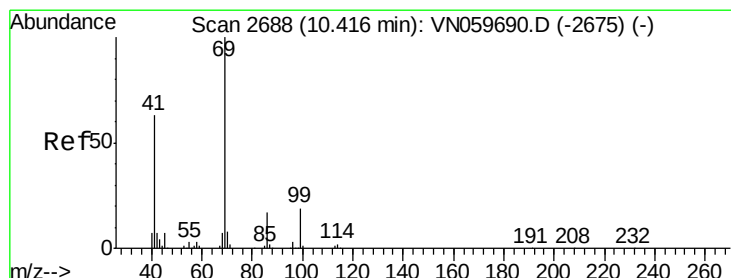
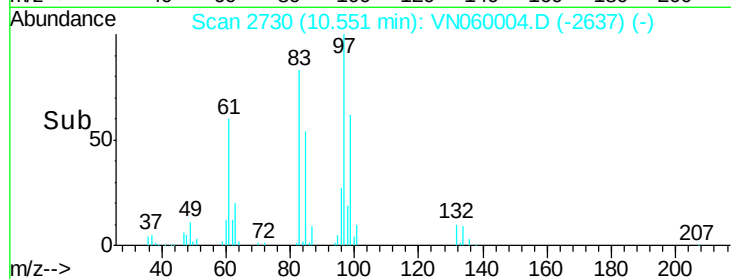
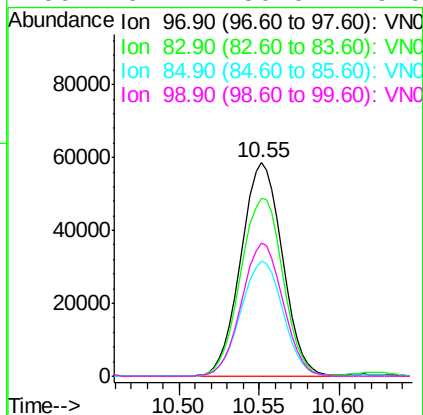
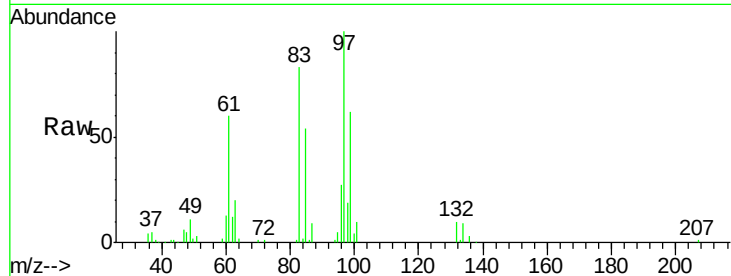
#55
 1,1,2-Trichloroethane
 Concen: 54.148 ug/l
 RT: 10.55 min Scan# 2730
 Delta R.T. 0.00 min
 Lab File: VN060004.D
 Acq: 4 Feb 2020 18:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
97	100	104013		
83	83.1	71.3	106.9	
85	53.8	45.8	68.8	
99	62.4	50.0	75.0	

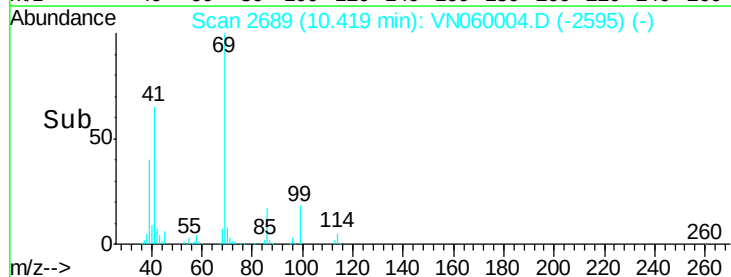
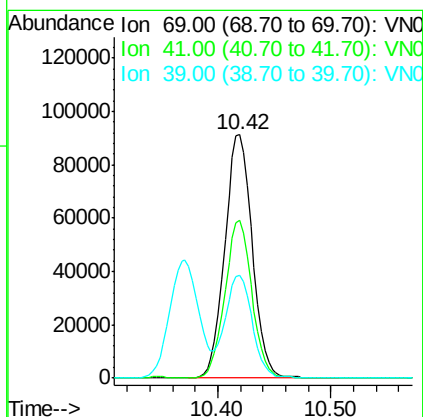
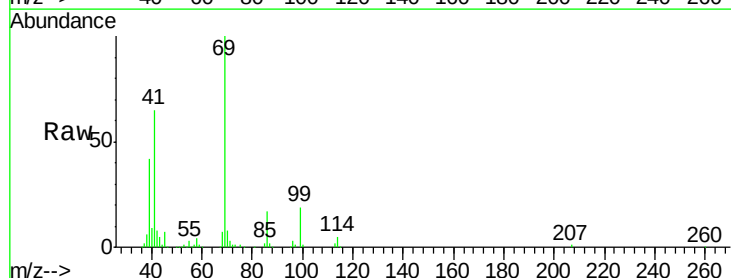
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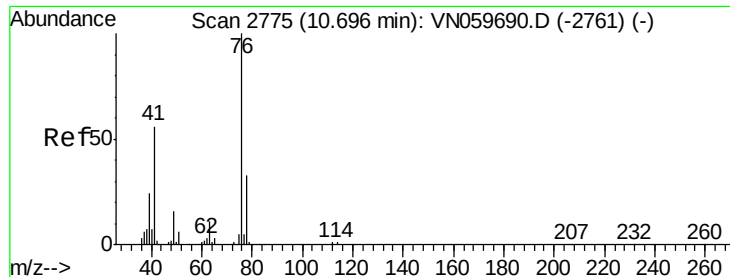
MMDadoda
 2/5/2020 12:23:32 PM



#56
 Ethyl methacrylate
 Concen: 52.513 ug/l
 RT: 10.42 min Scan# 2689
 Delta R.T. 0.00 min
 Lab File: VN060004.D
 Acq: 4 Feb 2020 18:58

Tgt Ion	Ratio	Resp	Lower	Upper
69	100	154135		
41	62.9	57.1	85.7	
39	42.5	34.7	52.1	





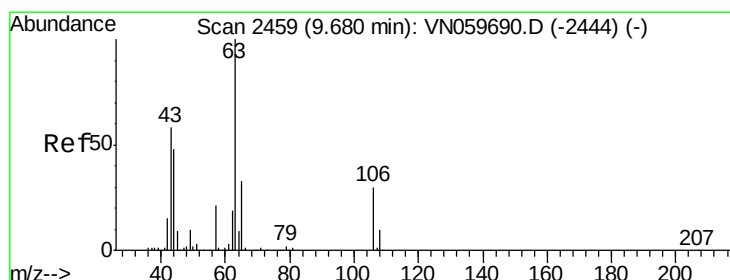
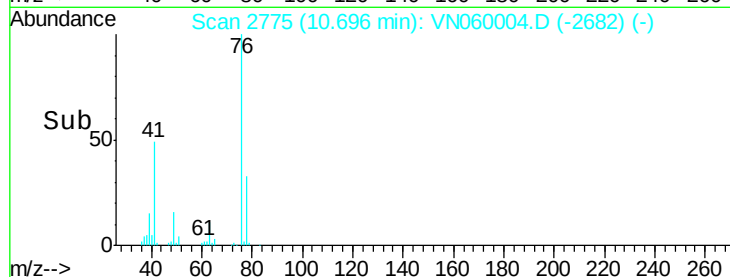
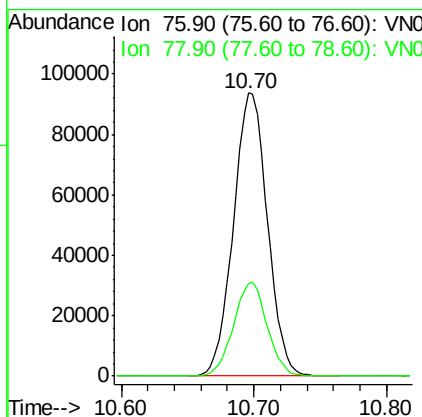
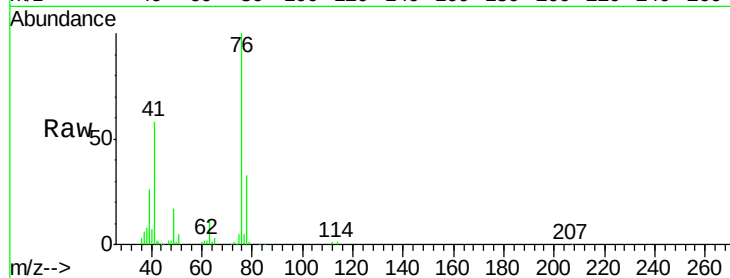
#57
 1,3-Dichloropropane
 Concen: 54.727 ug/l
 RT: 10.70 min Scan# 2775
 Delta R.T. 0.00 min
 Lab File: VN060004.D
 Acq: 4 Feb 2020 18:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.8	25.8	38.8

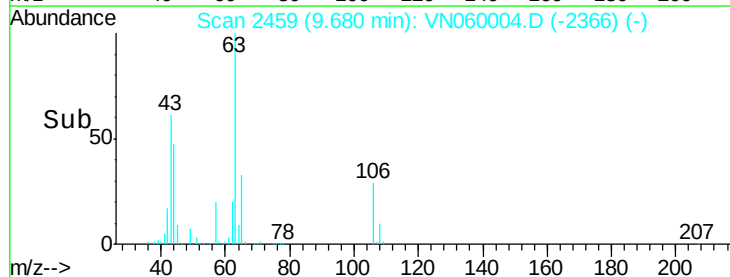
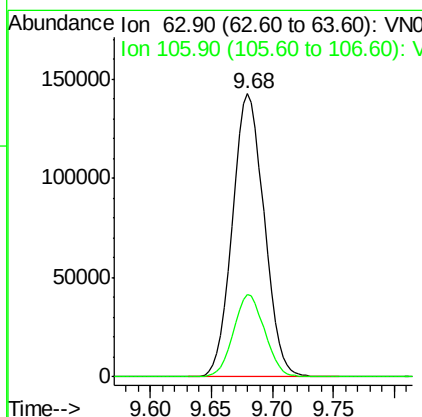
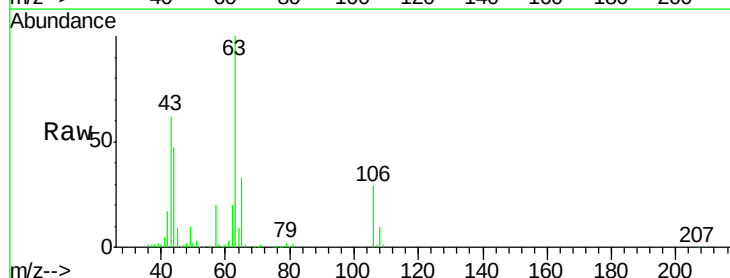
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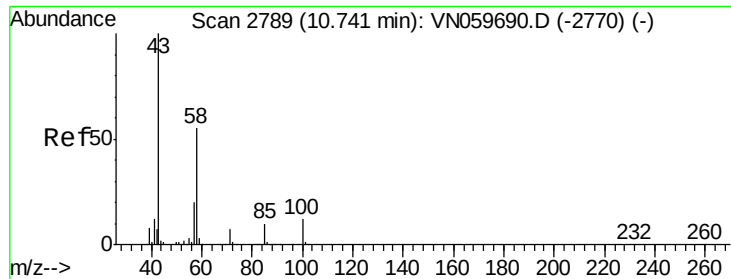
MMDadoda
 2/5/2020 12:23:32 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 291.697 ug/l
 RT: 9.68 min Scan# 2459
 Delta R.T. 0.00 min
 Lab File: VN060004.D
 Acq: 4 Feb 2020 18:58

Tgt Ion	Ratio	Lower	Upper
63	100		
106	28.5	20.2	30.2





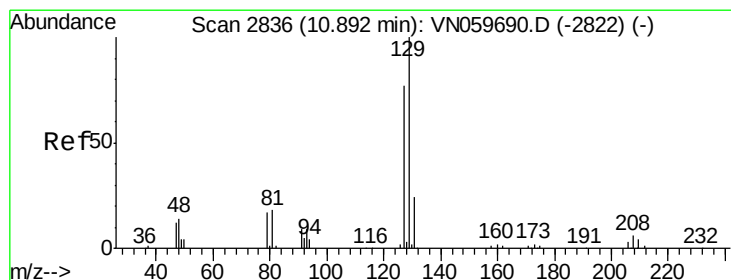
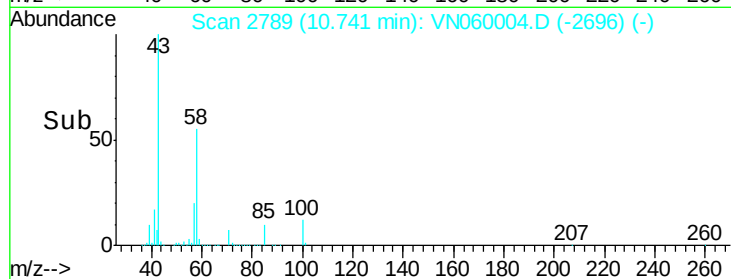
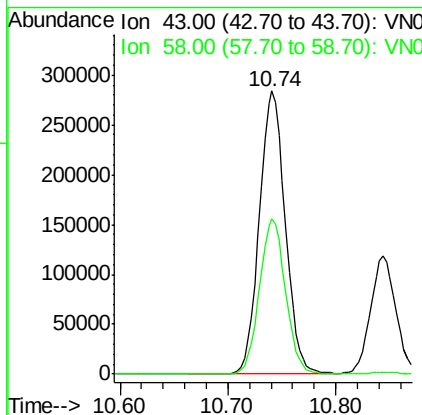
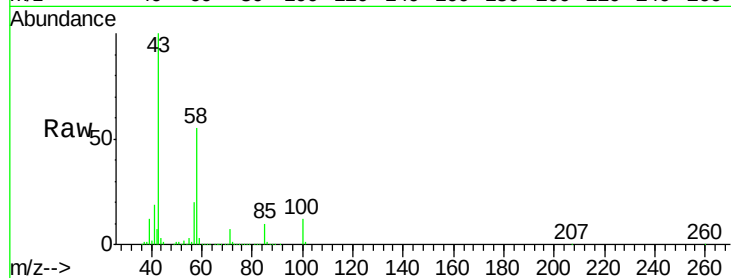
#59
2-Hexanone
Concen: 266.470 ug/l
RT: 10.74 min Scan# 2789
Delta R.T. 0.00 min
Lab File: VN060004.D
Acq: 4 Feb 2020 18:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 471343
Ion Ratio Lower Upper
43 100
58 55.2 25.8 77.3

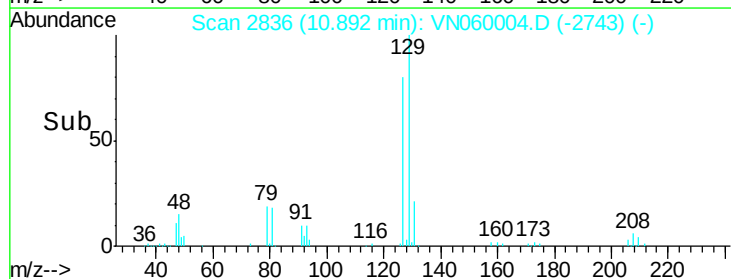
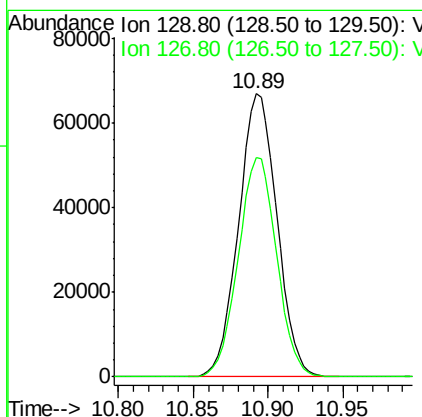
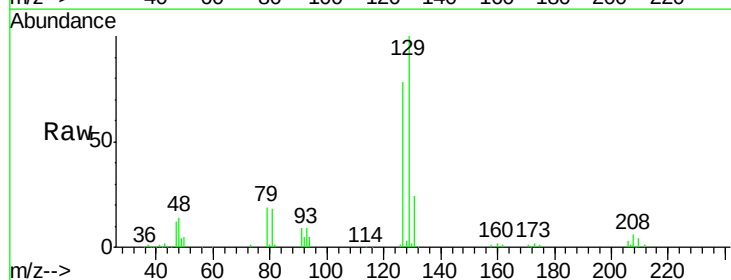
Manual Integrations
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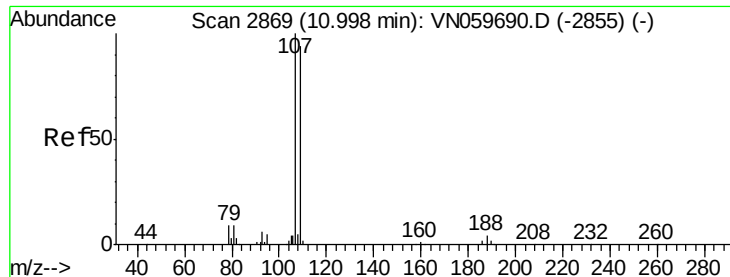
MMDadoda
2/5/2020 12:23:32 PM



#60
Dibromochloromethane
Concen: 54.770 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. 0.00 min
Lab File: VN060004.D
Acq: 4 Feb 2020 18:58

Tgt Ion: 129 Resp: 119808
Ion Ratio Lower Upper
129 100
127 77.5 38.5 115.5





#61

1,2-Dibromoethane

Concen: 53.241 ug/l

RT: 11.00 min Scan# 2869

Delta R.T. 0.00 min

Lab File: VN060004.D

Acq: 4 Feb 2020 18:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 107 Resp: 107193

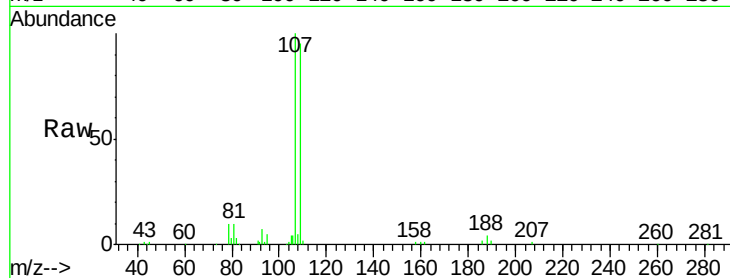
Ion Ratio Lower Upper

107 100

109 95.1 76.6 115.0

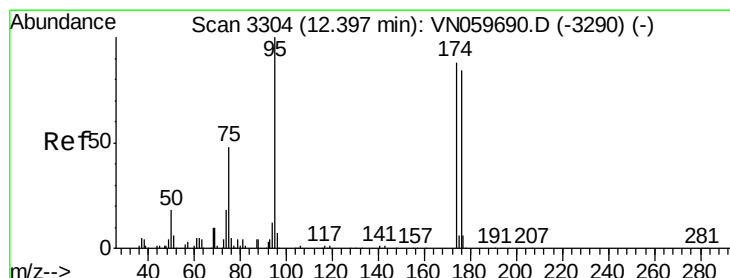
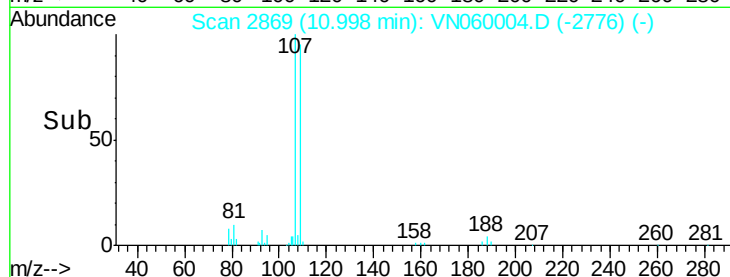
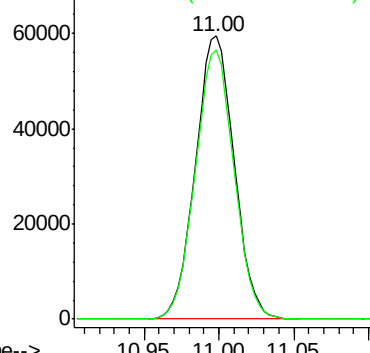
Manual Integrations
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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 54.172 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.00 min

Lab File: VN060004.D

Acq: 4 Feb 2020 18:58

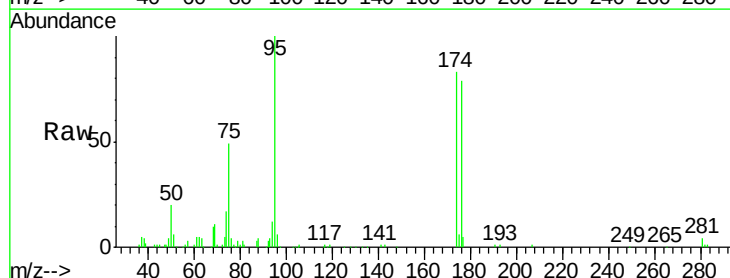
Tgt Ion: 95 Resp: 133404

Ion Ratio Lower Upper

95 100

174 83.9 0.0 151.4

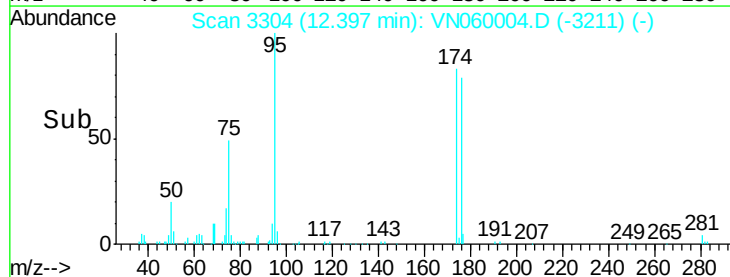
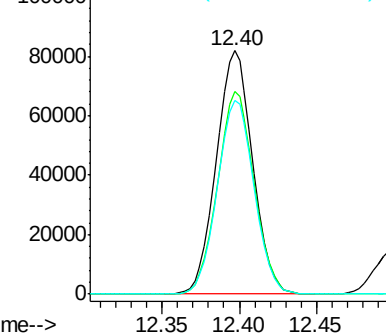
176 80.7 0.0 146.0

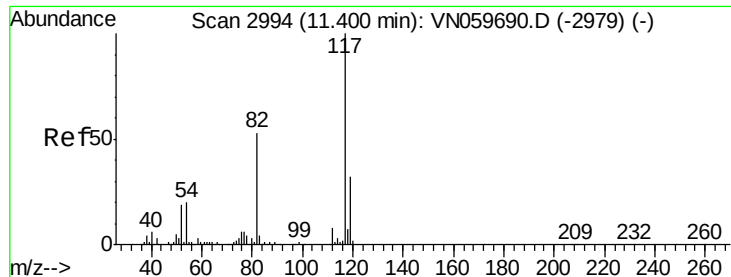


Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





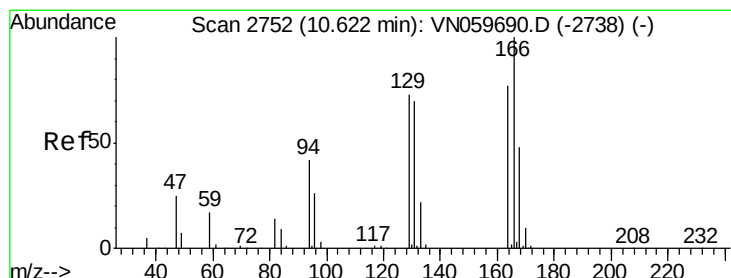
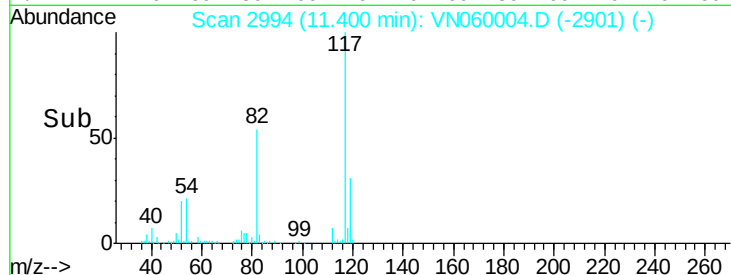
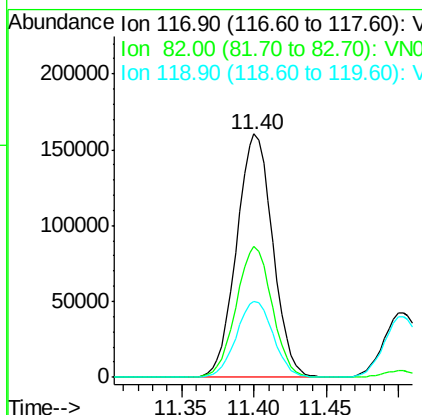
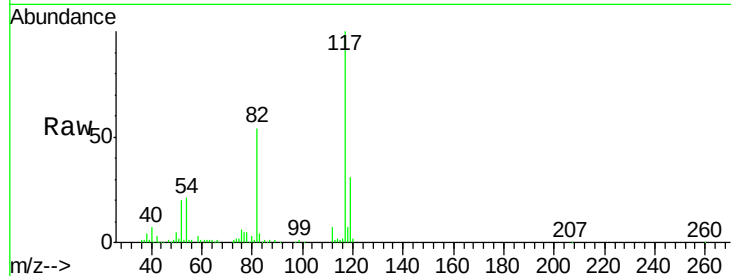
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN060004.D
Acq: 4 Feb 2020 18:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.7	45.9	68.9
119	31.3	25.5	38.3

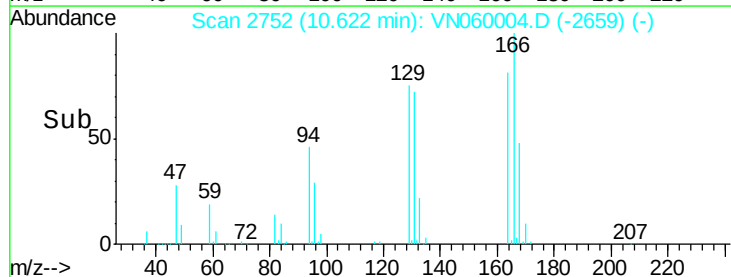
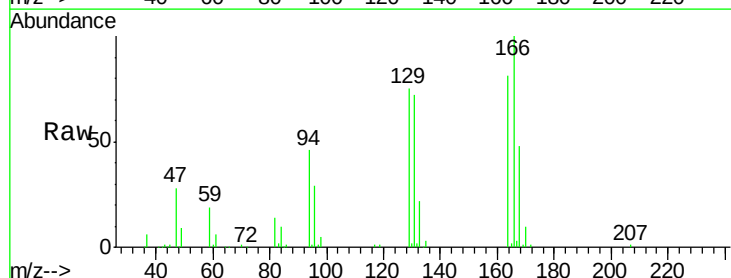
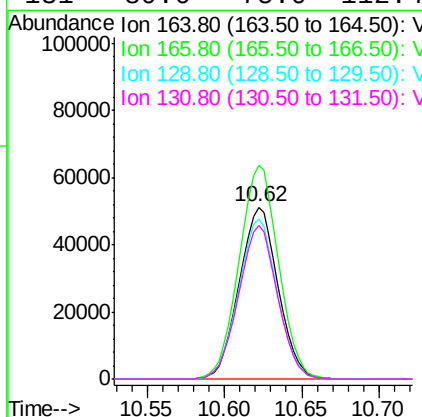
Manual Integrations
APPROVED

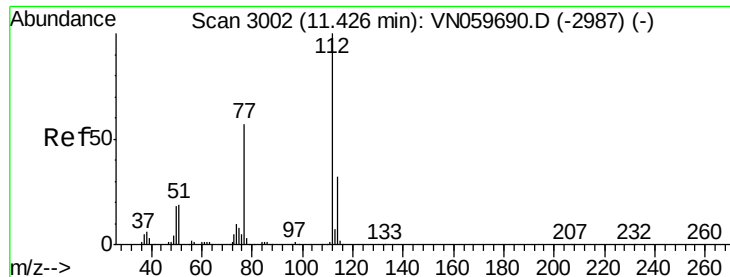
MMDadoda
2/5/2020 12:23:32 PM



#64
Tetrachloroethene
Concen: 39.469 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. 0.00 min
Lab File: VN060004.D
Acq: 4 Feb 2020 18:58

Tgt Ion	Ratio	Lower	Upper
164	100		
166	124.2	101.4	152.0
129	92.9	80.2	120.4
131	89.6	75.0	112.4





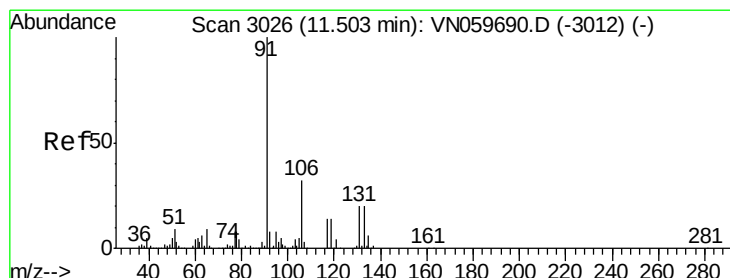
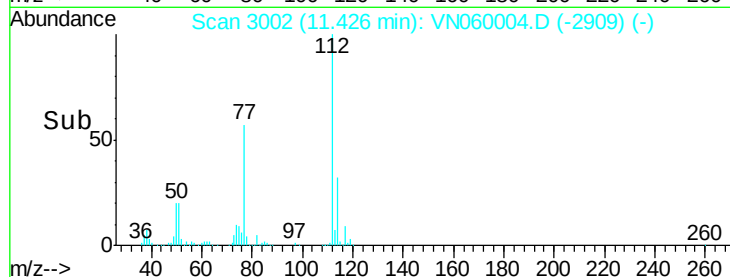
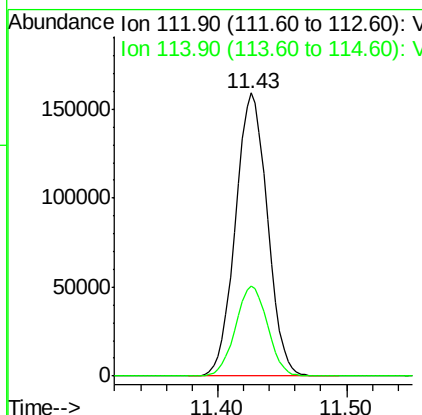
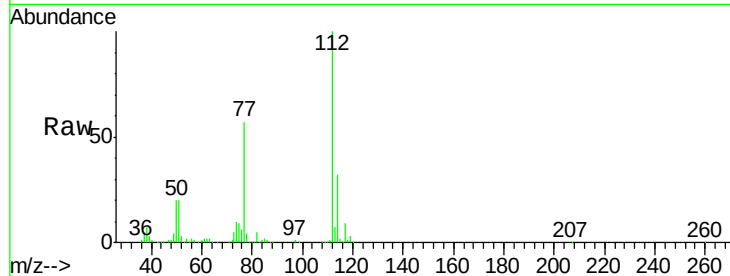
#65
Chlorobenzene
Concen: 50.231 ug/l
RT: 11.43 min Scan# 3002
Delta R.T. 0.00 min
Lab File: VN060004.D
Acq: 4 Feb 2020 18:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.0	25.8	38.8

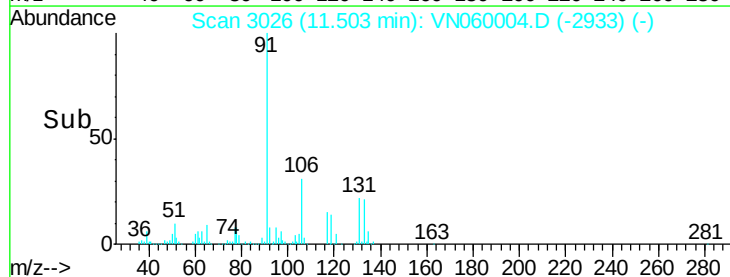
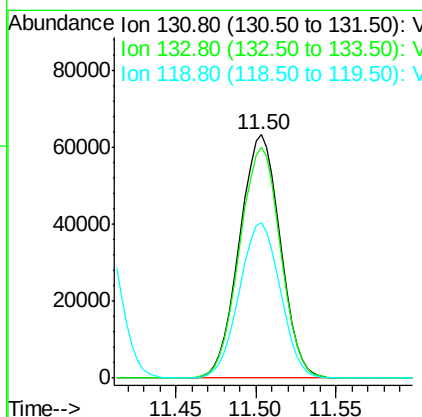
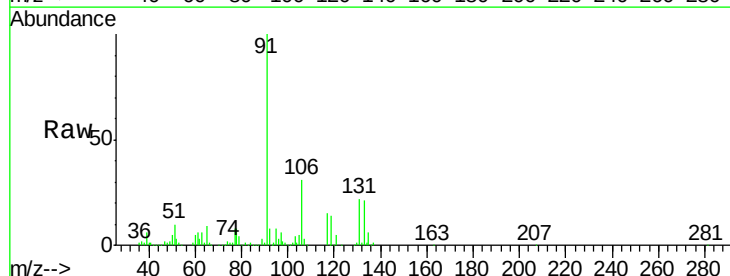
Manual Integrations
APPROVED

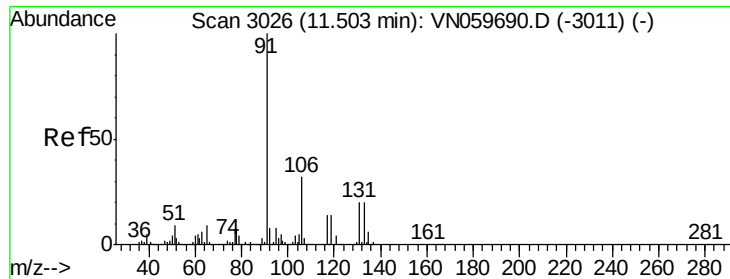
MMDadoda
2/5/2020 12:23:32 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 52.395 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. 0.00 min
Lab File: VN060004.D
Acq: 4 Feb 2020 18:58

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.3	47.4	142.2
119	63.9	33.1	99.3





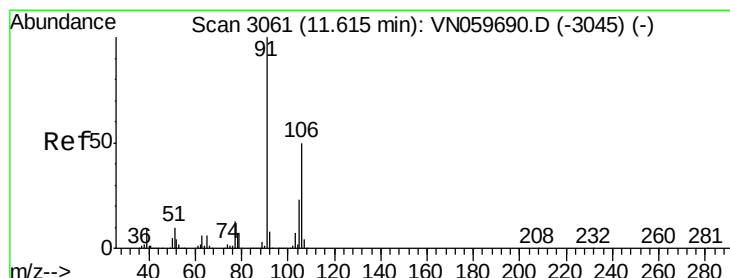
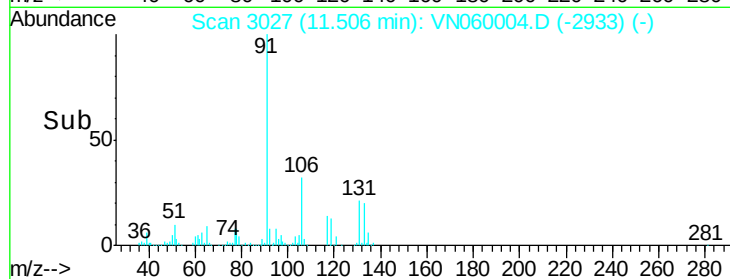
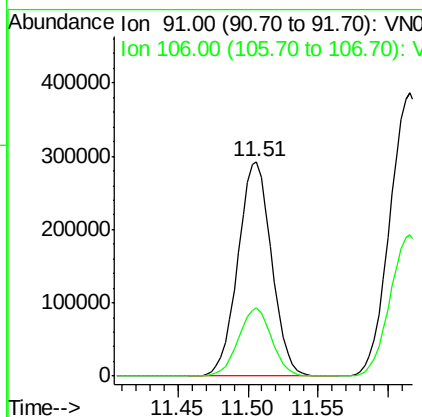
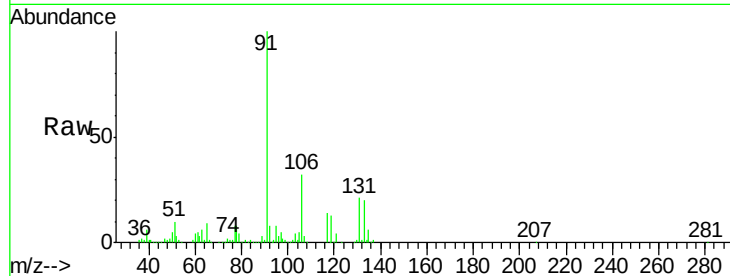
#67
Ethyl Benzene
Concen: 49.242 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. 0.00 min
Lab File: VN060004.D
Acq: 4 Feb 2020 18:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 488040
Ion Ratio Lower Upper
91 100
106 31.6 24.1 36.1

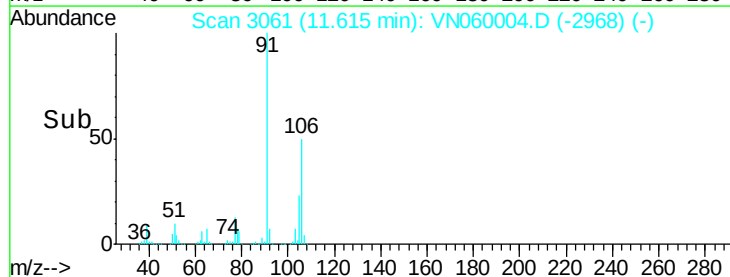
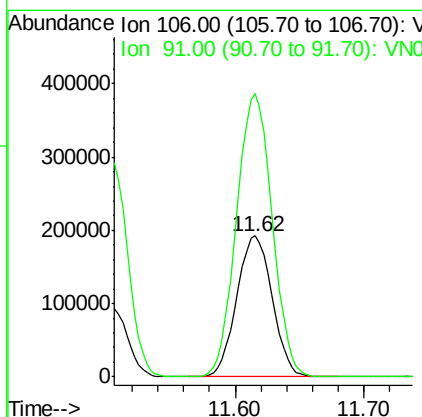
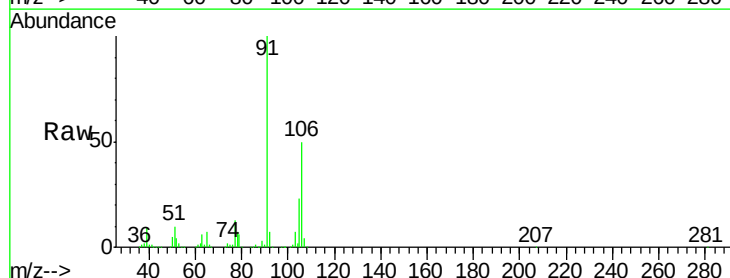
Manual Integrations
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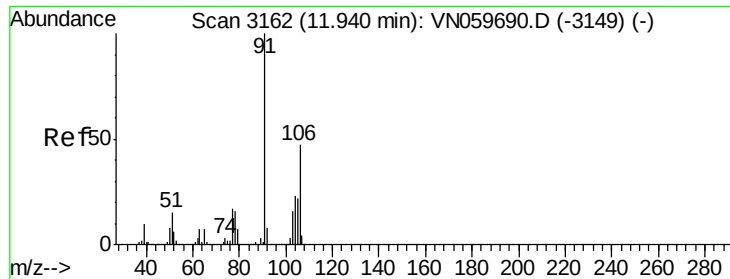
MMDadoda
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#68
m/p-Xylenes
Concen: 98.519 ug/l
RT: 11.62 min Scan# 3061
Delta R.T. 0.00 min
Lab File: VN060004.D
Acq: 4 Feb 2020 18:58

Tgt Ion: 106 Resp: 368839
Ion Ratio Lower Upper
106 100
91 201.5 167.9 251.9





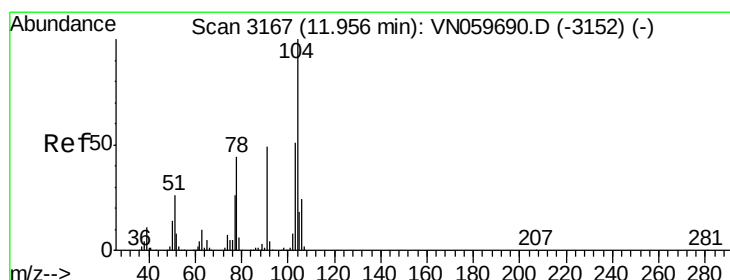
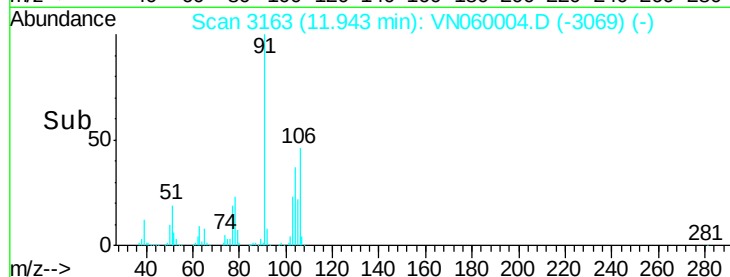
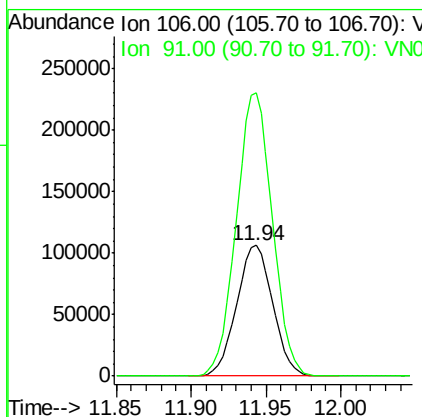
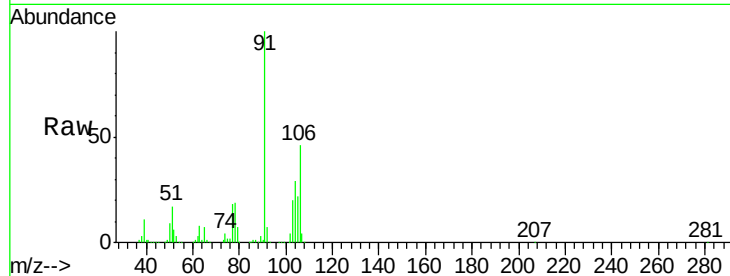
#69
o-Xylene
Concen: 48.683 ug/l
RT: 11.94 min Scan# 3163
Delta R.T. 0.00 min
Lab File: VN060004.D
Acq: 4 Feb 2020 18:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	178435		
91	91	216.4	110.3	330.9	

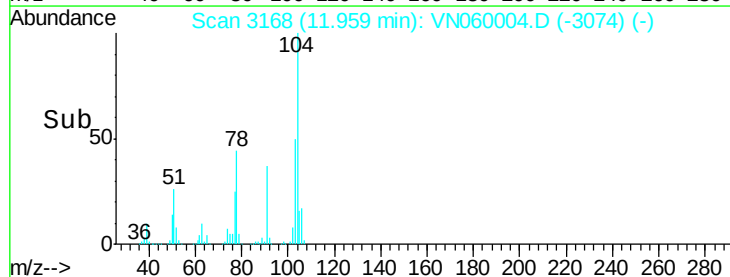
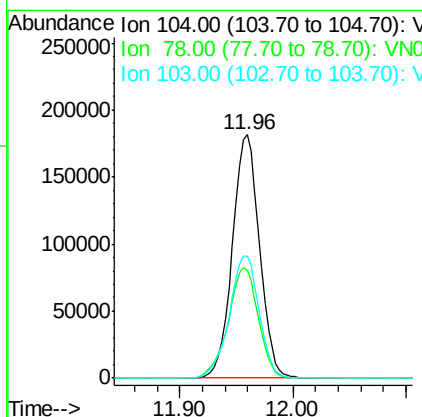
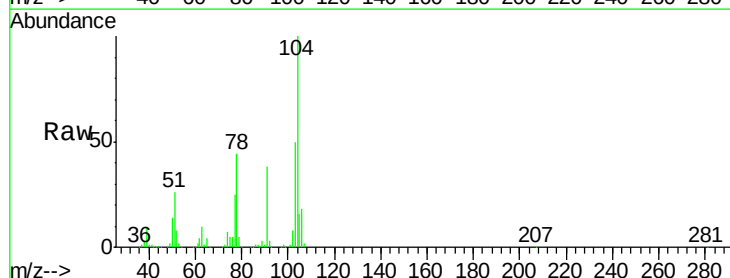
Manual Integrations
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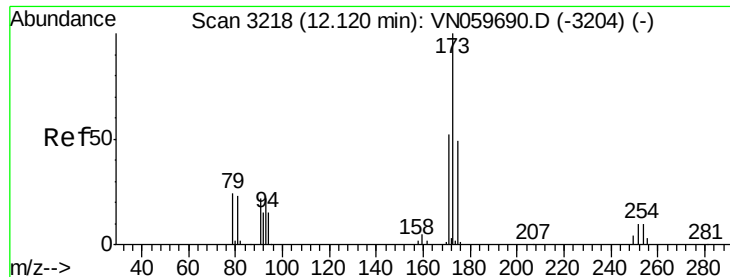
MMDadoda
2/5/2020 12:23:32 PM



#70
Styrene
Concen: 49.416 ug/l
RT: 11.96 min Scan# 3168
Delta R.T. 0.00 min
Lab File: VN060004.D
Acq: 4 Feb 2020 18:58

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	303078		
78	78	50.1	42.4	63.6	
103	103	55.2	43.9	65.9	





#71

Bromoform

Concen: 53.969 ug/l

RT: 12.12 min Scan# 3218

Delta R.T. 0.00 min

Lab File: VN060004.D

Acq: 4 Feb 2020 18:58

Instrument :

MSVOA_N

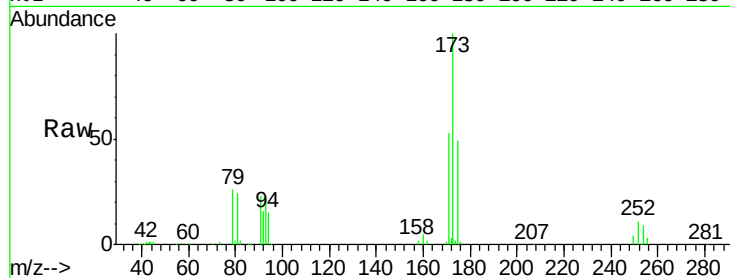
ClientSampleId :

VSTDCCC050EC

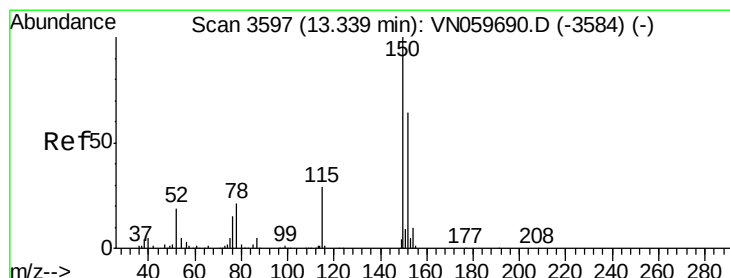
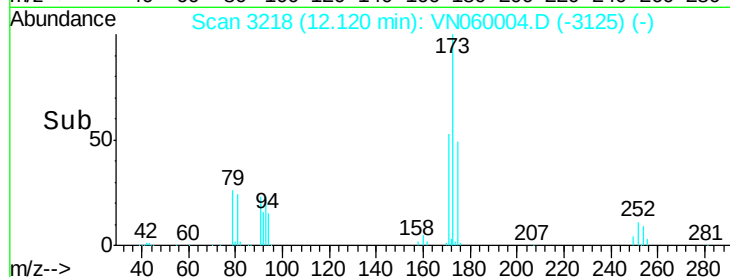
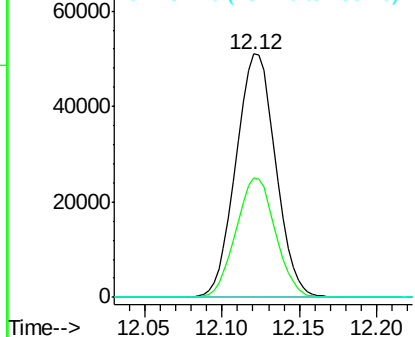
Tot Ion:	173	Resp:	91200
Ion Ratio	Lower	Upper	
173	100		
175	48.6	23.8	71.4
254	0.0	0.0	0.0

Manual Integrations
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

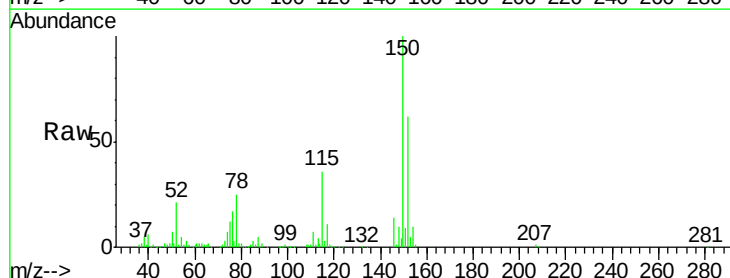
RT: 13.34 min Scan# 3597

Delta R.T. 0.00 min

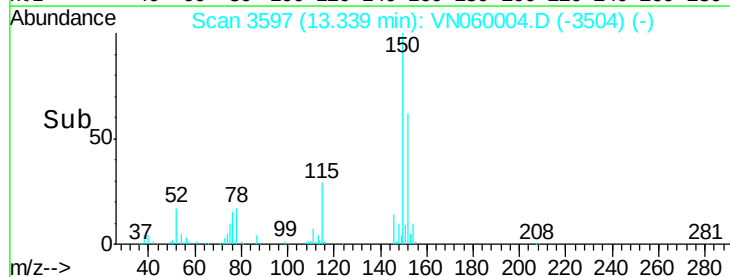
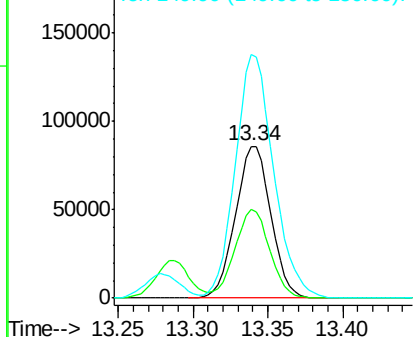
Lab File: VN060004.D

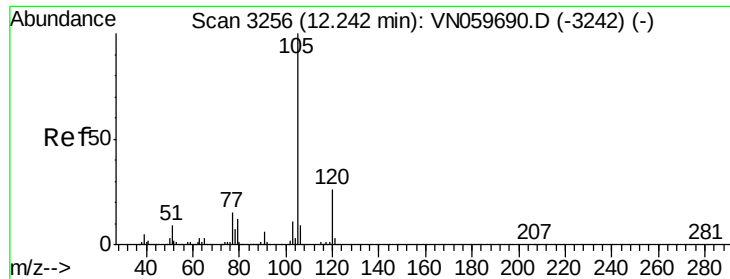
Acq: 4 Feb 2020 18:58

Tgt Ion:	152	Resp:	141345
Ion Ratio	Lower	Upper	
152	100		
115	57.7	30.3	90.9
150	174.0	0.0	345.2



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





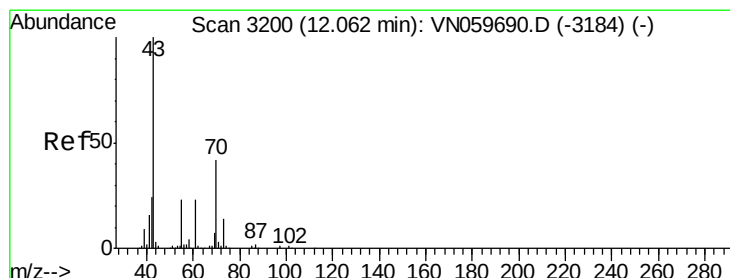
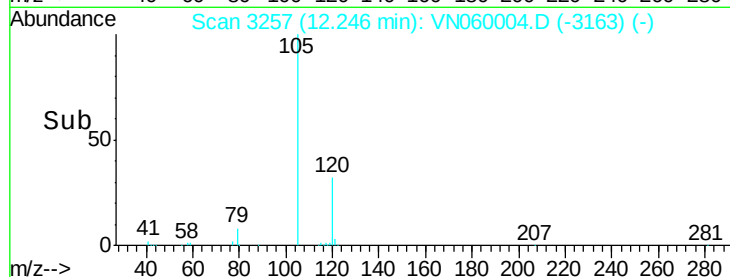
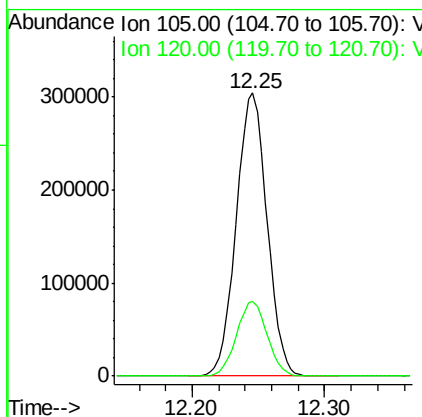
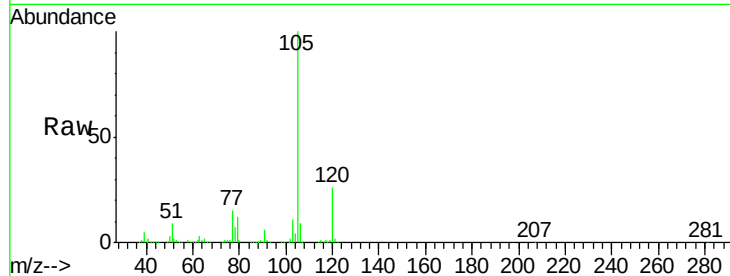
#73
Isopropylbenzene
Concen: 47.383 ug/l
RT: 12.25 min Scan# 3257
Delta R.T. 0.00 min
Lab File: VN060004.D
Acq: 4 Feb 2020 18:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.3	13.2	39.5

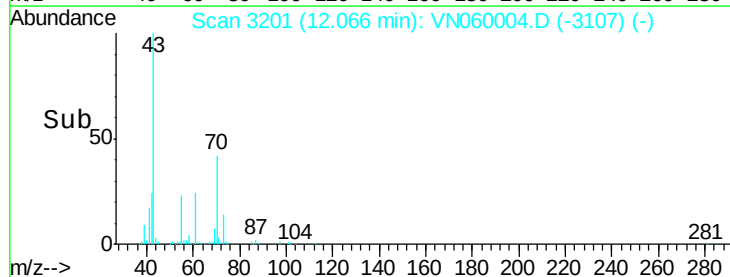
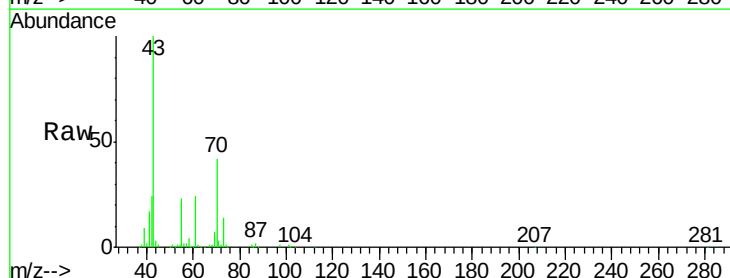
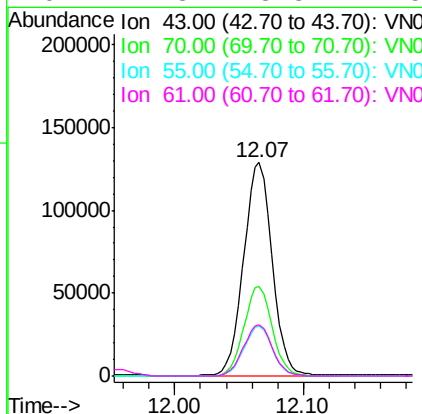
Manual Integrations
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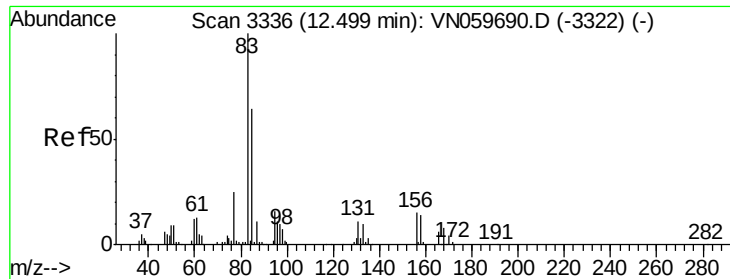
MMDadoda
2/5/2020 12:23:32 PM



#74
N-ethyl acetate
Concen: 49.086 ug/l
RT: 12.07 min Scan# 3201
Delta R.T. 0.00 min
Lab File: VN060004.D
Acq: 4 Feb 2020 18:58

Tgt Ion	Ratio	Lower	Upper
43	100		
70	41.8	31.3	46.9
55	23.3	19.8	29.6
61	24.3	18.3	27.5





#75

1,1,2,2-Tetrachloroethane

Concen: 52.739 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN060004.D

Acq: 4 Feb 2020 18:58

Instrument :

MSVOA_N

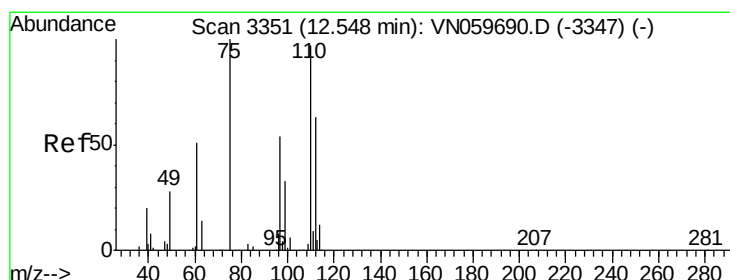
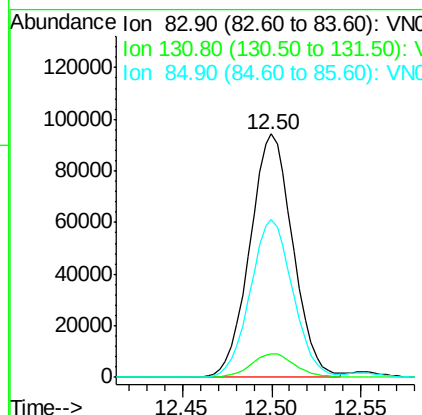
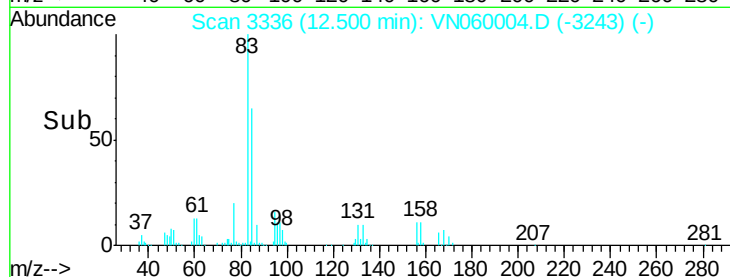
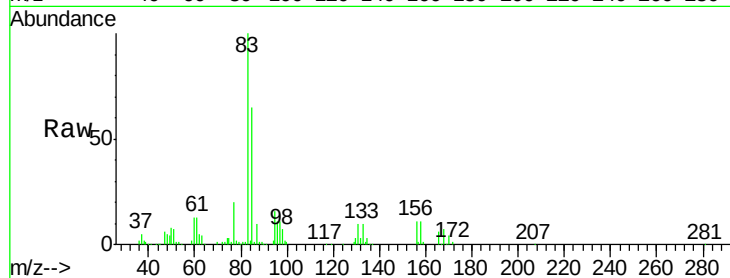
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	158489
Ion Ratio	Lower	Upper	
83	100		
131	10.0	5.0	14.9
85	64.4	31.9	95.5

Manual Integrations
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2/5/2020 12:23:32 PM



#76

1,2,3-Trichloropropane

Concen: 54.168 ug/l m

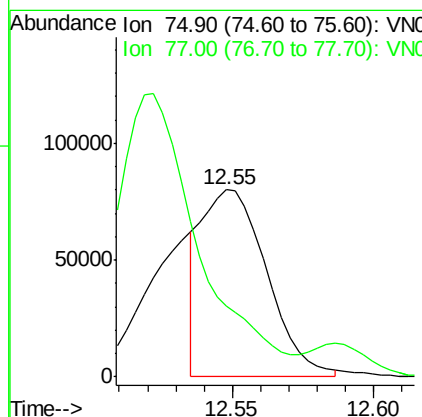
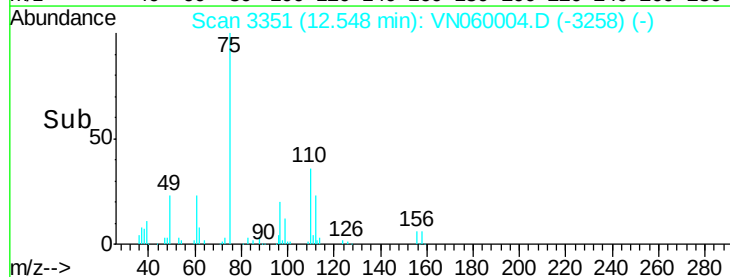
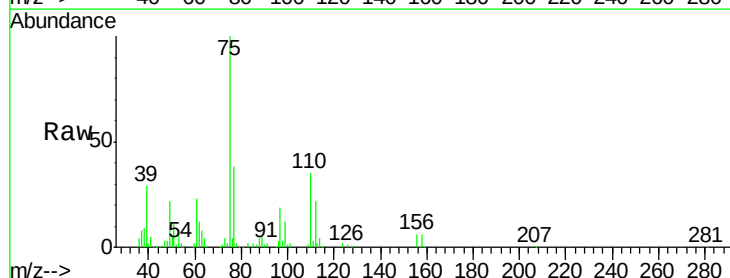
RT: 12.55 min Scan# 3351

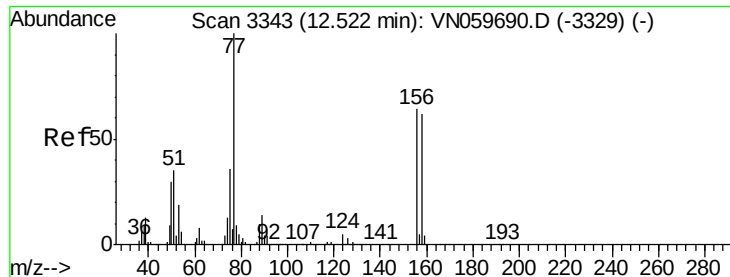
Delta R.T. 0.00 min

Lab File: VN060004.D

Acq: 4 Feb 2020 18:58

Tgt Ion:	75	Resp:	128850
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 47.560 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. 0.00 min

Lab File: VN060004.D

Acq: 4 Feb 2020 18:58

Instrument :

MSVOA_N

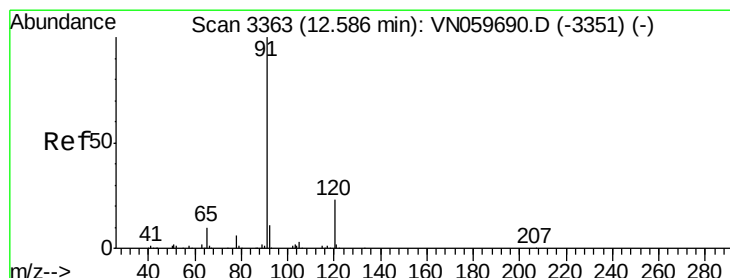
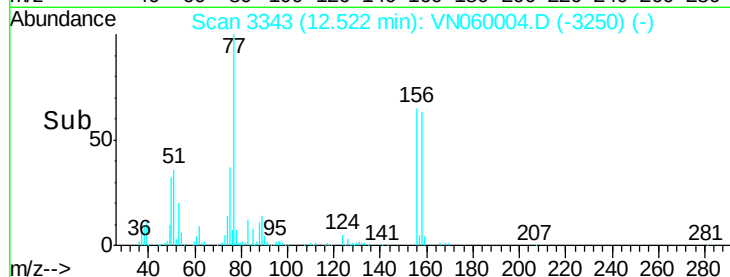
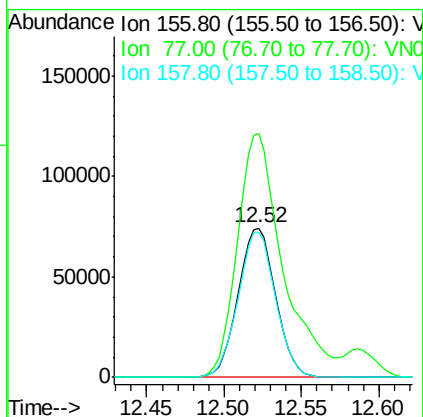
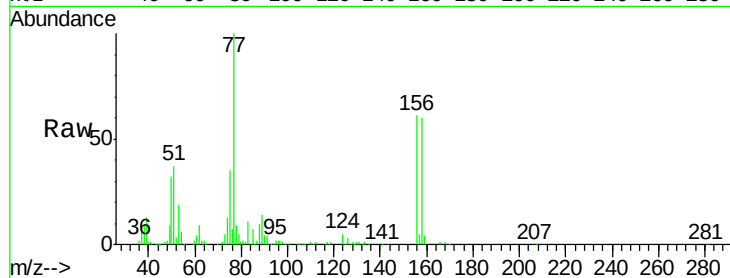
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	124850
Ion Ratio	Lower	Upper	
156	100		
77	198.0	115.8	347.4
158	97.5	49.2	147.6

Manual Integrations
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#78

n-propylbenzene

Concen: 47.579 ug/l

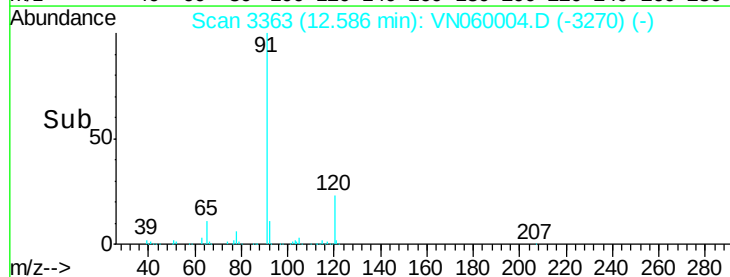
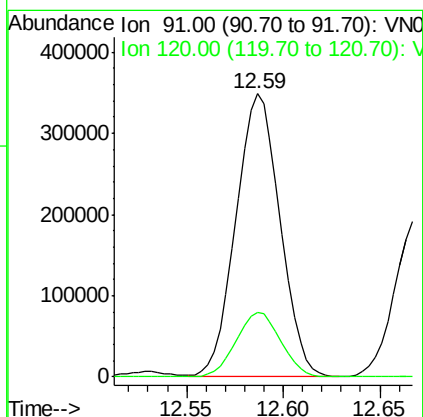
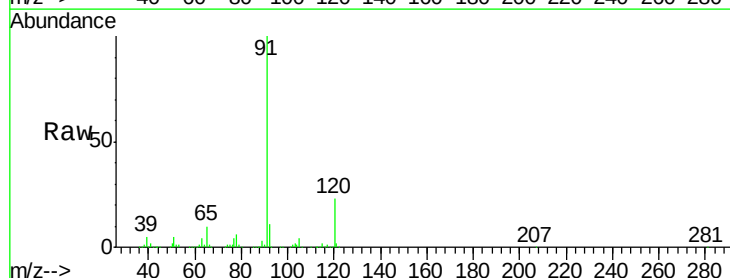
RT: 12.59 min Scan# 3363

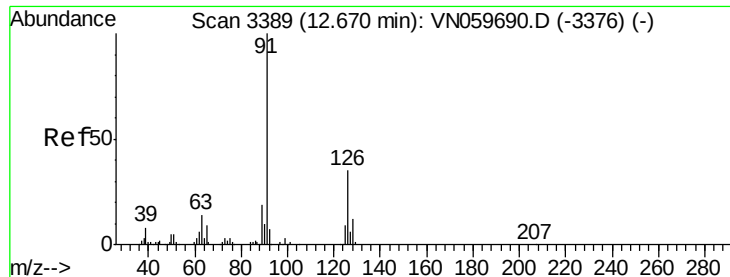
Delta R.T. 0.00 min

Lab File: VN060004.D

Acq: 4 Feb 2020 18:58

Tgt Ion:	91	Resp:	553580
Ion Ratio	Lower	Upper	
91	100		
120	23.1	11.1	33.3





#79

2-Chlorotoluene

Concen: 47.699 ug/l

RT: 12.67 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VN060004.D

Acq: 4 Feb 2020 18:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 330154

Ion Ratio Lower Upper

91 100

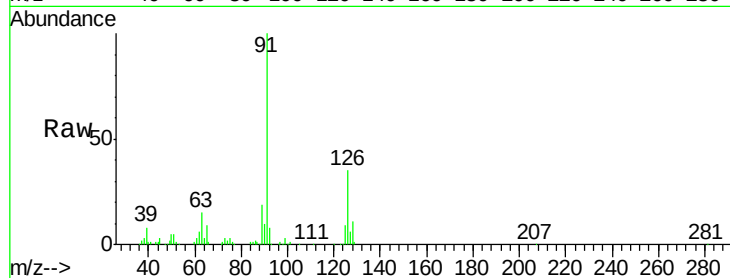
126 34.8 16.3 48.9

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VN059690.D (-3376) (-)

Ion 125.90 (125.60 to 126.60): VN059690.D (-3376) (-)

400000

300000

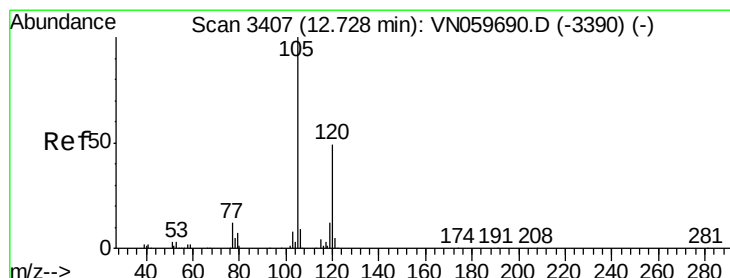
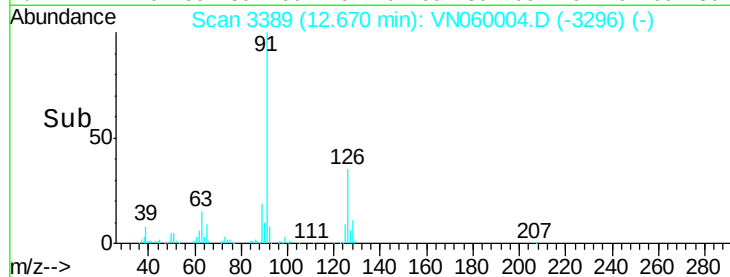
200000

100000

0

12.60 12.65 12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 46.730 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN060004.D

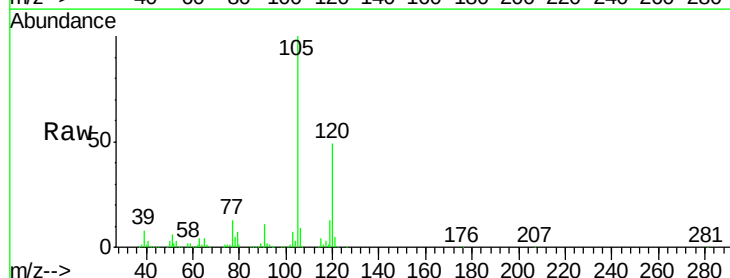
Acq: 4 Feb 2020 18:58

Tgt Ion: 105 Resp: 407392

Ion Ratio Lower Upper

105 100

120 48.8 24.1 72.4



Abundance Ion 105.00 (104.70 to 105.70): VN059690.D (-3390) (-)

Ion 120.00 (119.70 to 120.70): VN059690.D (-3390) (-)

300000

250000

200000

150000

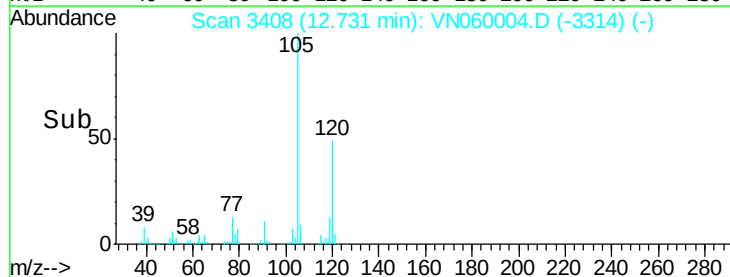
100000

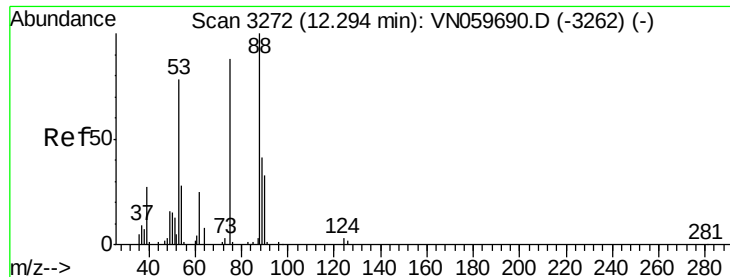
50000

0

12.70 12.75 12.80

Time-->





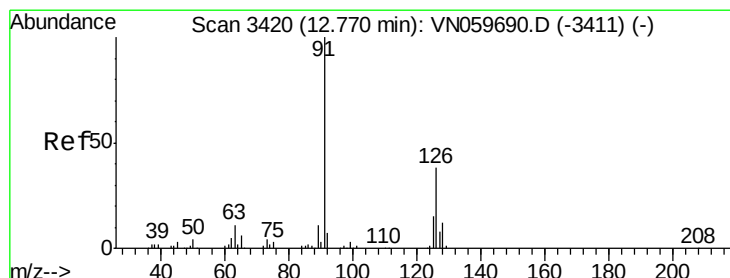
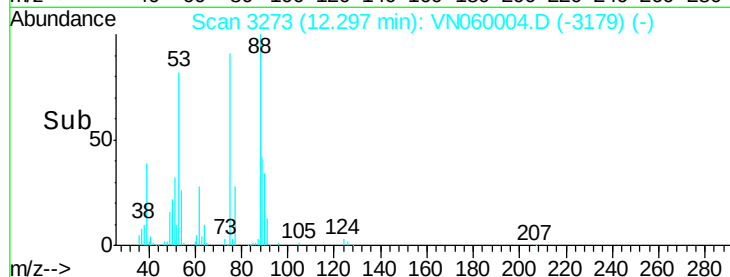
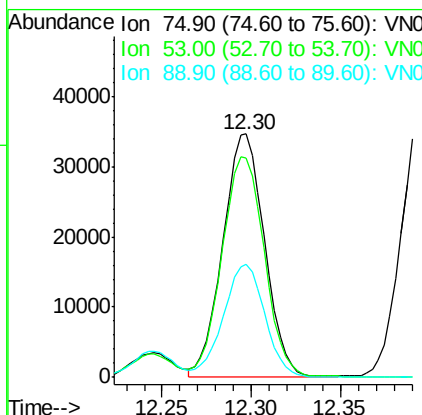
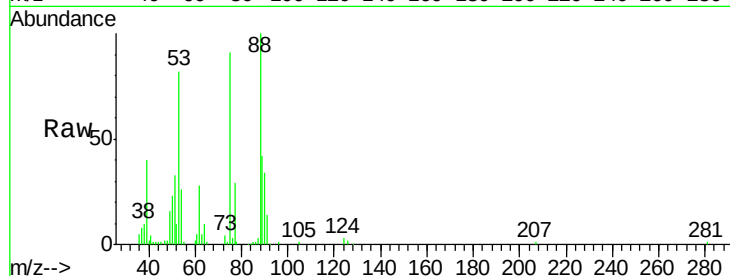
#81
trans-1,4-Dichloro-2-butene
Concen: 51.090 ug/l
RT: 12.30 min Scan# 3273
Delta R.T. 0.00 min
Lab File: VN060004.D
Acq: 4 Feb 2020 18:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	92.4	78.1	117.1
89	46.1	35.4	53.2

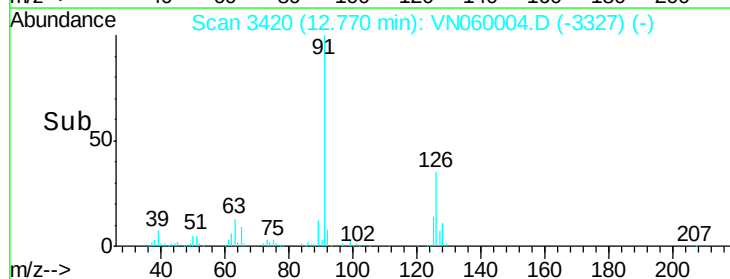
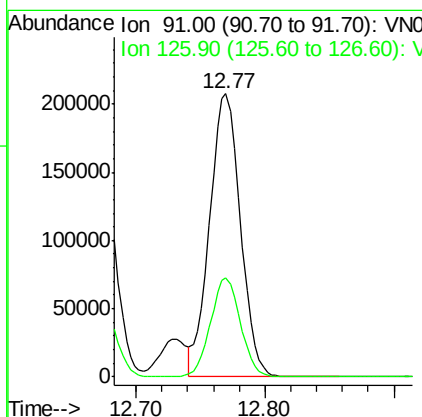
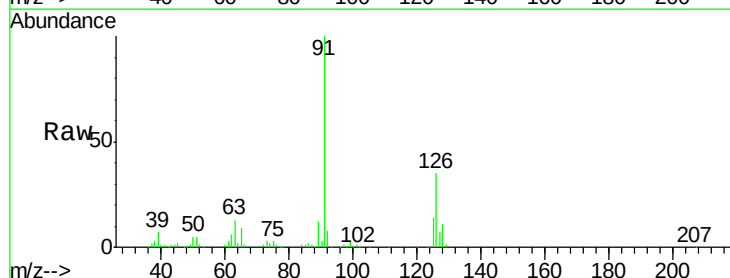
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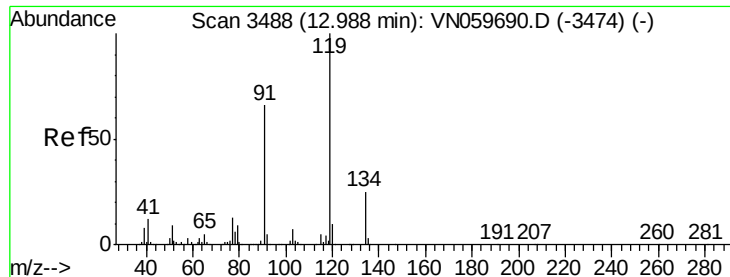
MMDadoda
2/5/2020 12:23:32 PM



#82
4-Chlorotoluene
Concen: 49.391 ug/l
RT: 12.77 min Scan# 3420
Delta R.T. 0.00 min
Lab File: VN060004.D
Acq: 4 Feb 2020 18:58

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.0	16.3	48.8





#83

tert-Butylbenzene

Concen: 47.351 ug/l

RT: 12.99 min Scan# 3489

Delta R.T. 0.00 min

Lab File: VN060004.D

Acq: 4 Feb 2020 18:58

Instrument :

MSVOA_N

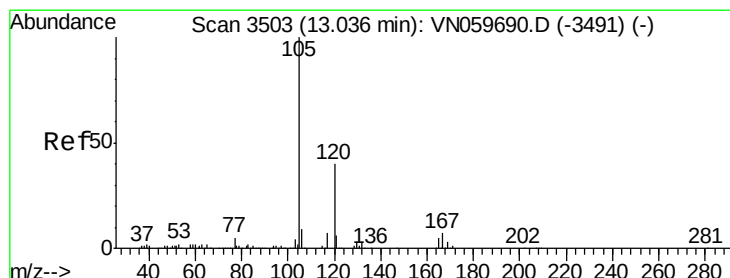
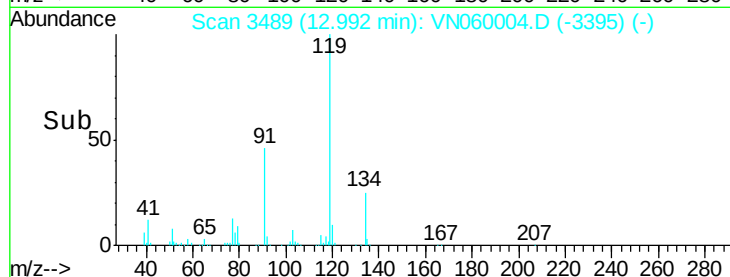
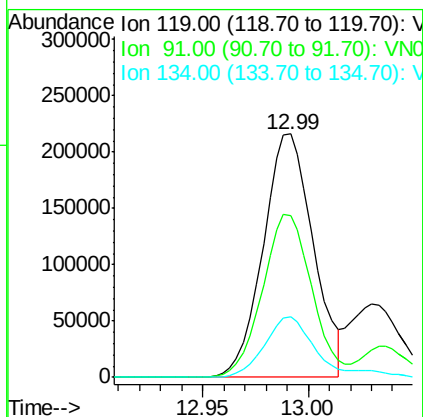
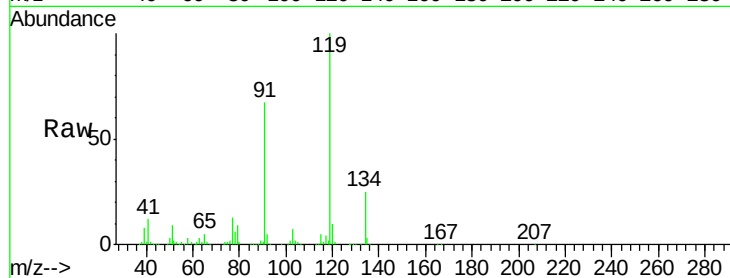
ClientSampleId :

VSTDCCC050EC

Tot Ion:	119	Resp:	357027
Ion Ratio	Lower	Upper	
119	100		
91	65.6	34.8	104.4
134	24.3	12.3	36.9

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 47.929 ug/l

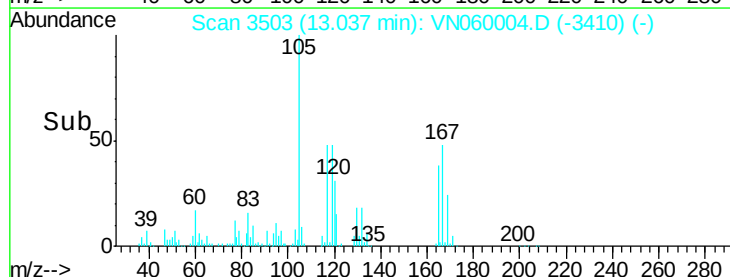
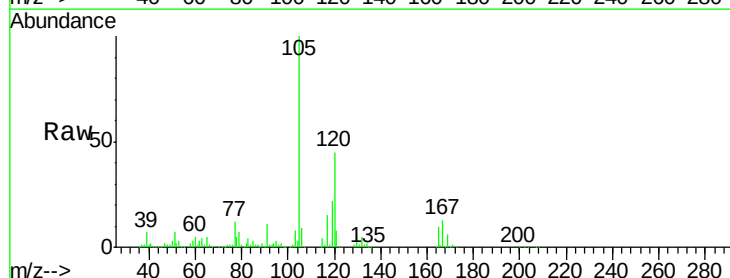
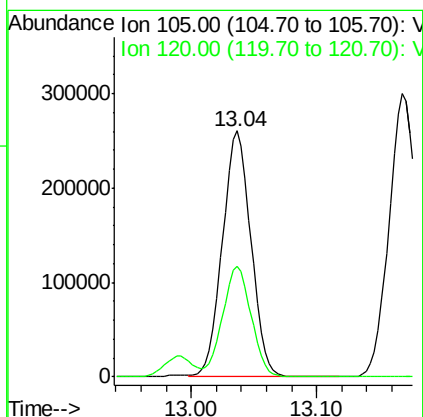
RT: 13.04 min Scan# 3503

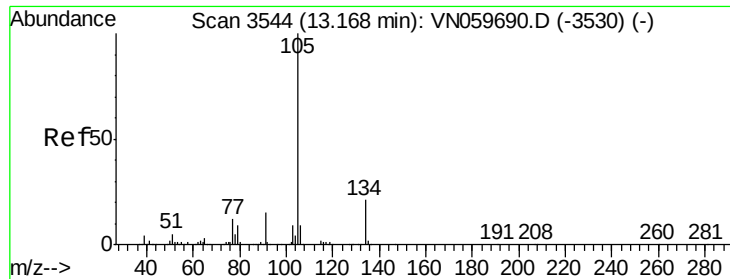
Delta R.T. 0.00 min

Lab File: VN060004.D

Acq: 4 Feb 2020 18:58

Tgt Ion:	105	Resp:	413376
Ion Ratio	Lower	Upper	
105	100		
120	45.2	22.3	66.9





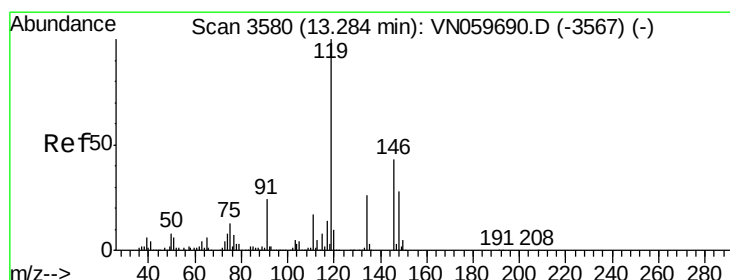
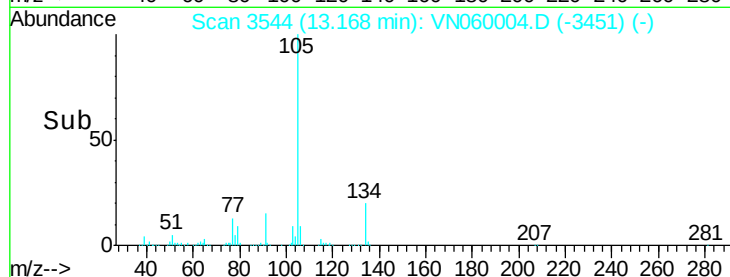
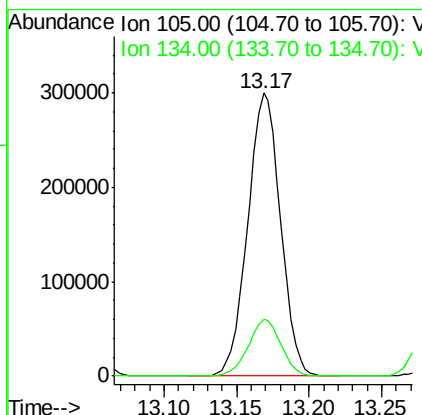
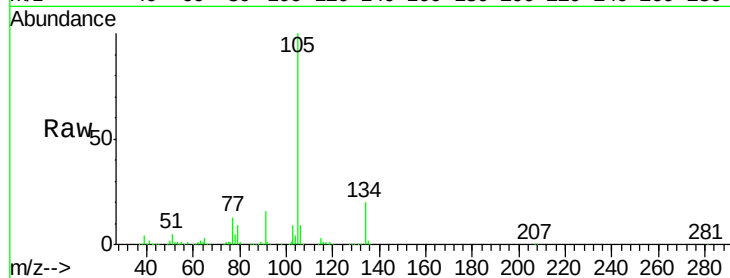
#85
 sec-Butylbenzene
 Concen: 47.630 ug/l
 RT: 13.17 min Scan# 3544
 Delta R.T. 0.00 min
 Lab File: VN060004.D
 Acq: 4 Feb 2020 18:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.0	9.8	29.5

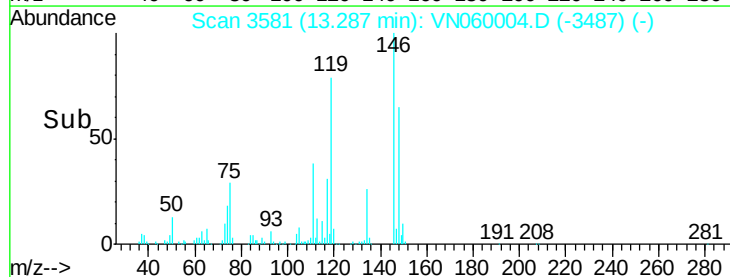
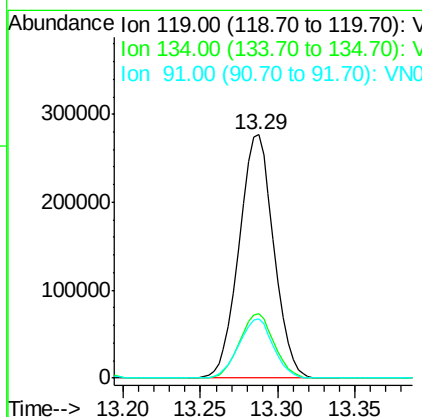
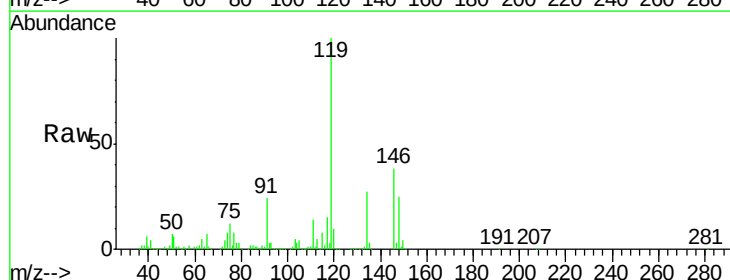
Manual Integrations
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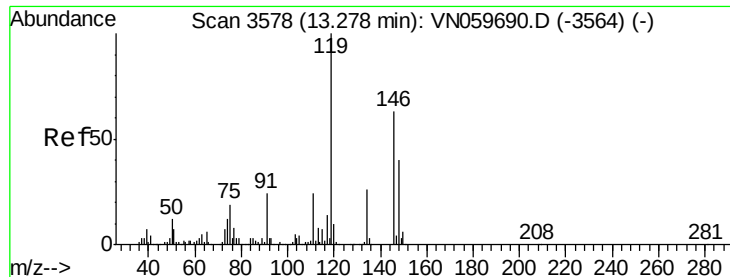
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 2/5/2020 12:23:32 PM



#86
 p-Isopropyltoluene
 Concen: 46.931 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN060004.D
 Acq: 4 Feb 2020 18:58

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.6	12.9	38.7
91	24.2	12.4	37.4





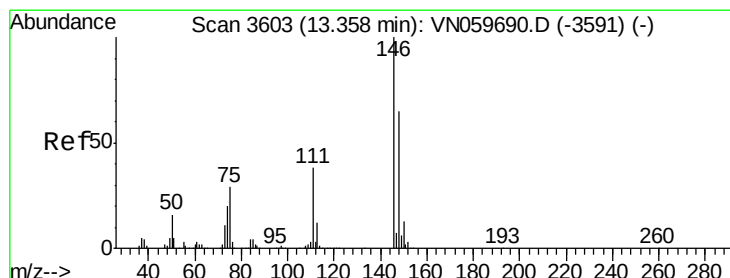
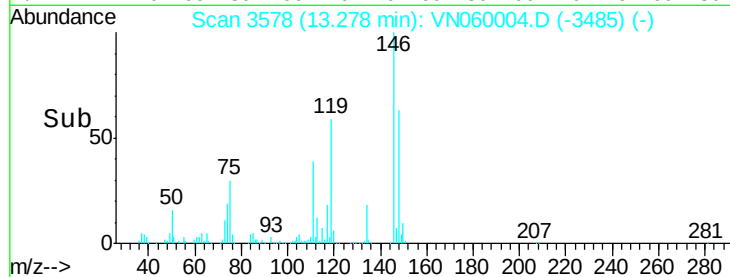
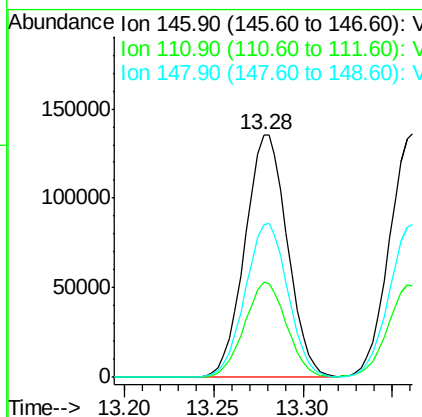
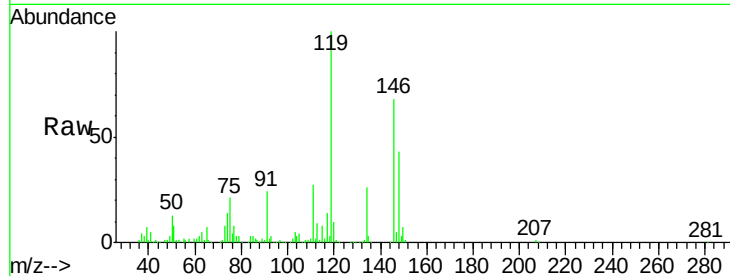
#87
 1,3-Dichlorobenzene
 Concen: 49.579 ug/l
 RT: 13.28 min Scan# 3578
 Delta R.T. 0.00 min
 Lab File: VN060004.D
 Acq: 4 Feb 2020 18:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.8	20.8	62.2
148	63.7	32.0	96.0

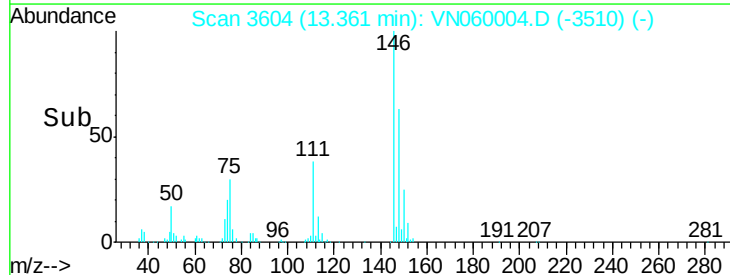
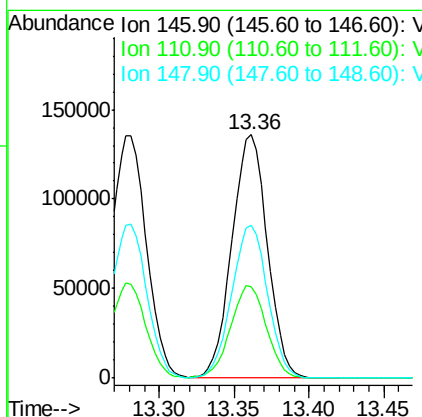
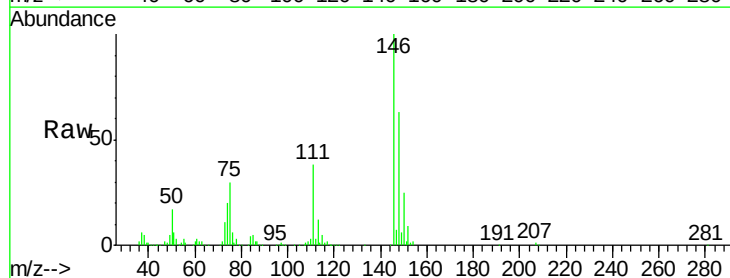
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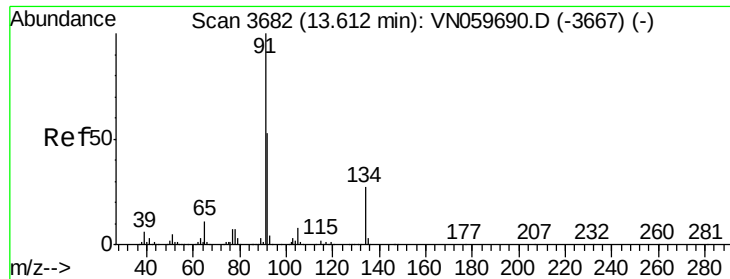
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#88
 1,4-Dichlorobenzene
 Concen: 49.235 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN060004.D
 Acq: 4 Feb 2020 18:58

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.3	20.8	62.2
148	63.9	31.8	95.4





#89

n-Butylbenzene

Concen: 48.405 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. 0.00 min

Lab File: VN060004.D

Acq: 4 Feb 2020 18:58

Instrument :

MSVOA_N

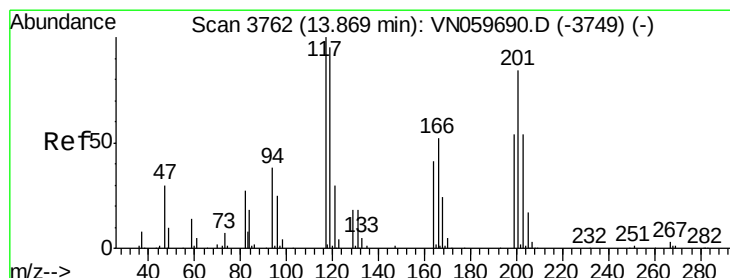
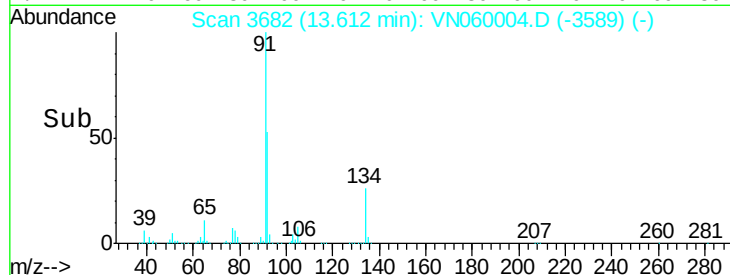
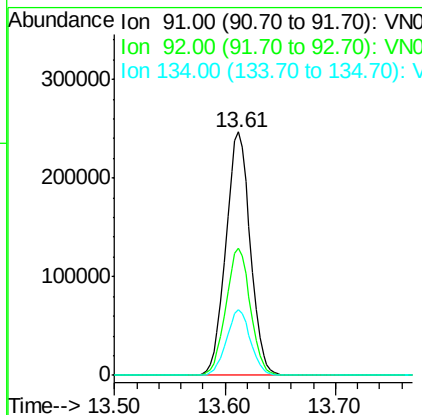
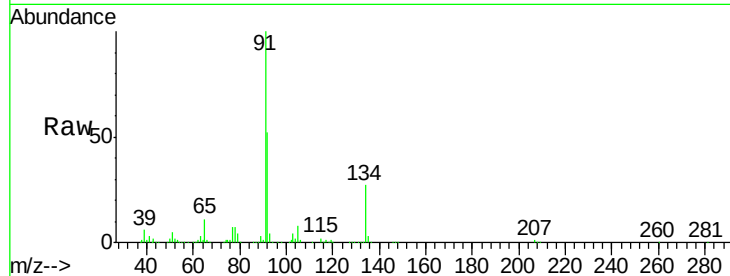
ClientSampleId :

VSTDCCC050EC

Tot Ion:	91	Resp:	378309
Ion	Ratio	Lower	Upper
91	100		
92	52.4	25.9	77.7
134	26.4	12.3	36.8

Manual Integrations
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#90

Hexachloroethane

Concen: 47.674 ug/l

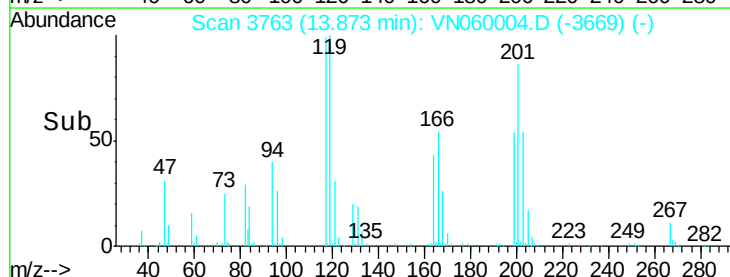
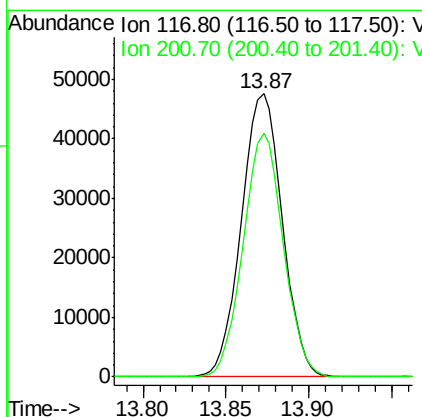
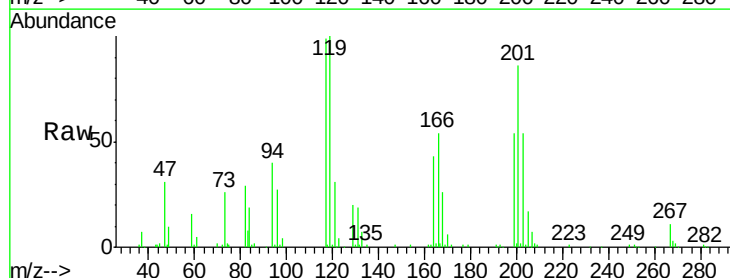
RT: 13.87 min Scan# 3763

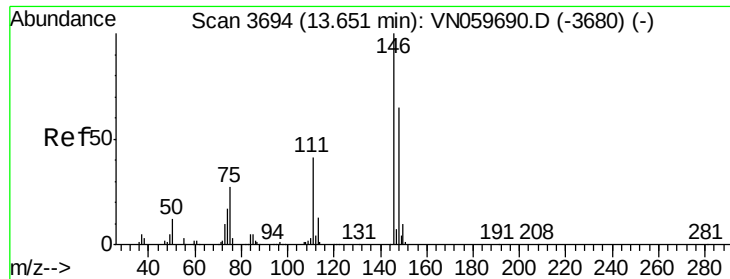
Delta R.T. 0.00 min

Lab File: VN060004.D

Acq: 4 Feb 2020 18:58

Tgt Ion:	117	Resp:	81761
Ion	Ratio	Lower	Upper
117	100		
201	84.2	37.8	113.4





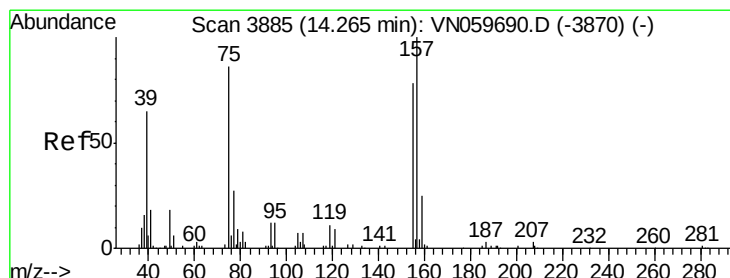
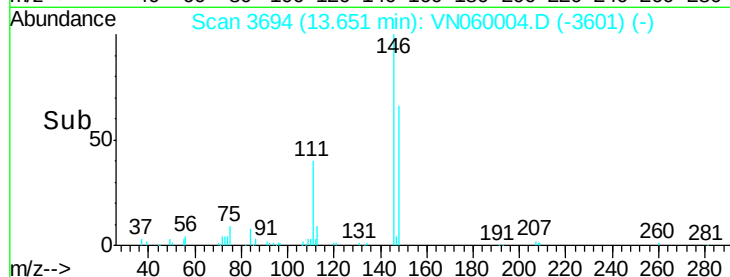
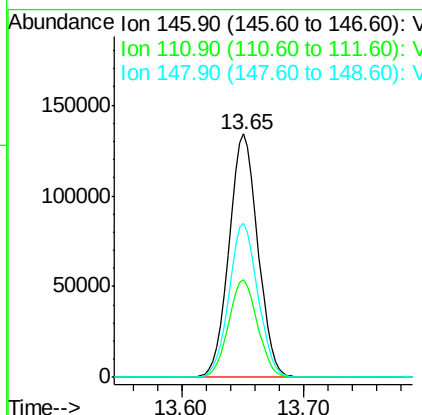
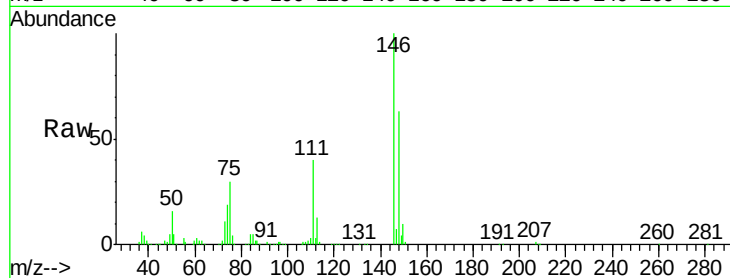
#91
 1,2-Dichlorobenzene
 Concen: 48.997 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN060004.D
 Acq: 4 Feb 2020 18:58

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.4	21.6	64.8
148	63.5	31.6	95.0

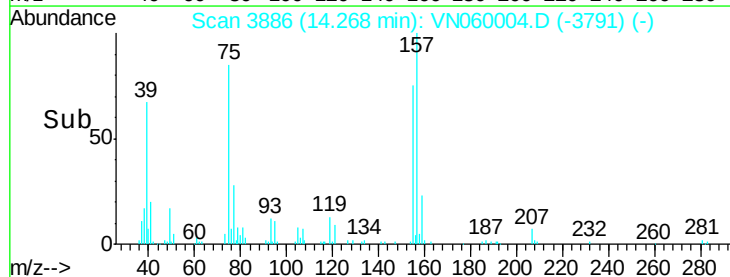
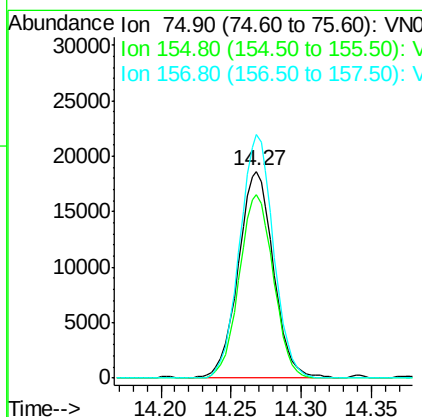
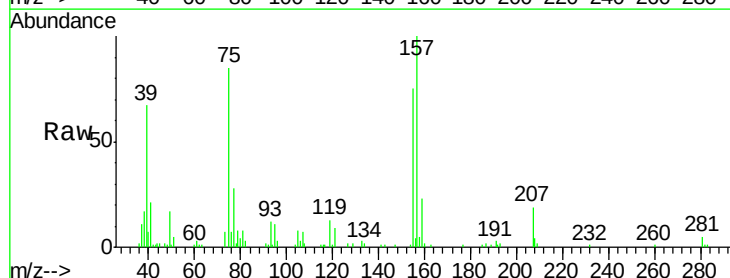
Manual Integrations
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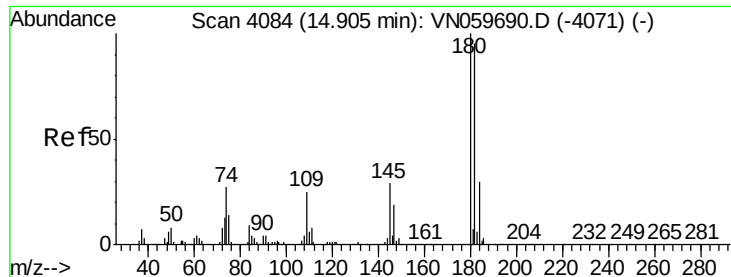
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 2/5/2020 12:23:32 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 50.450 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN060004.D
 Acq: 4 Feb 2020 18:58

Tgt Ion	Ratio	Lower	Upper
75	100		
155	86.0	37.0	110.9
157	113.0	48.4	145.2





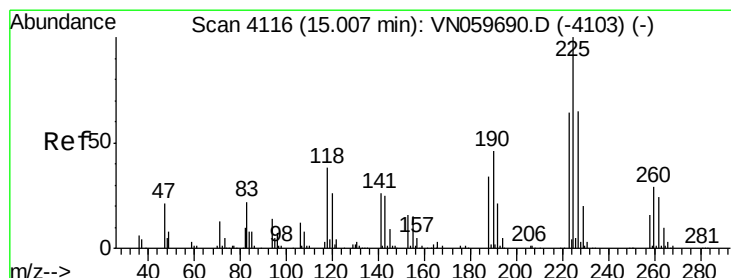
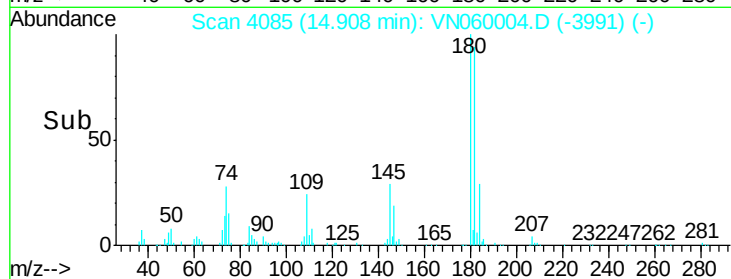
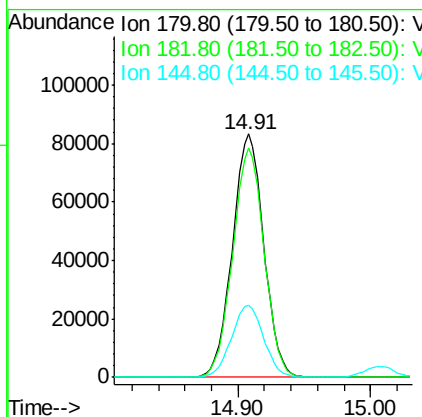
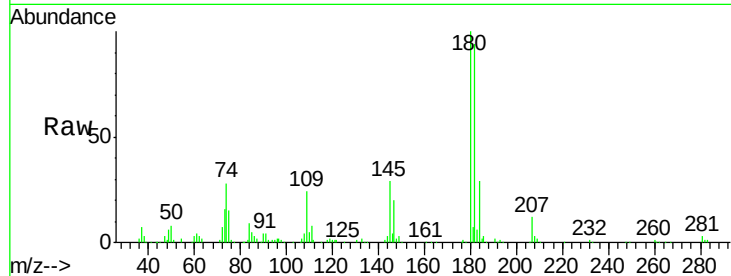
#93
 1,2,4-Trichlorobenzene
 Concen: 50.417 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN060004.D
 Acq: 4 Feb 2020 18:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	136569		
182	94.4	46.9	140.7	
145	30.4	15.0	45.1	

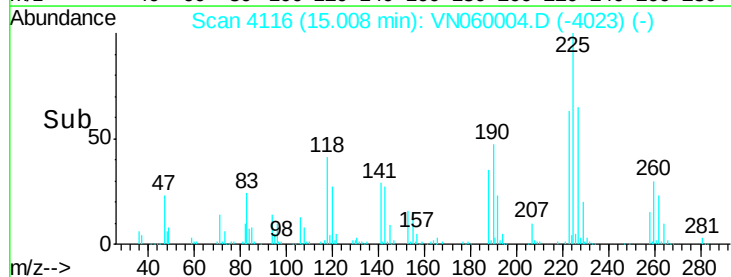
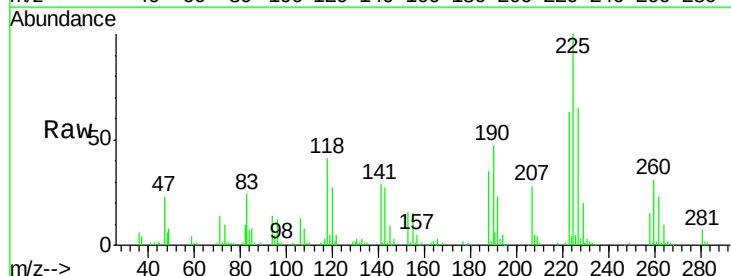
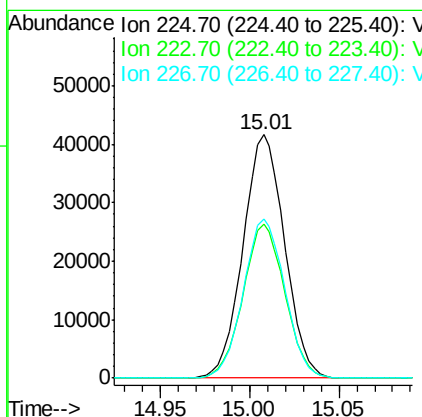
Manual Integrations
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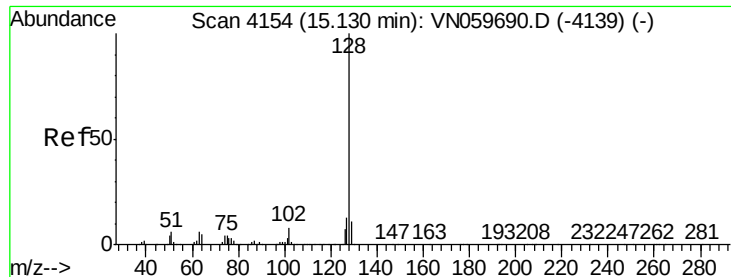
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 2/5/2020 12:23:32 PM



#94
 Hexachlorobutadiene
 Concen: 45.532 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN060004.D
 Acq: 4 Feb 2020 18:58

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	67966		
223	63.6	31.8	95.3	
227	65.1	32.1	96.5	





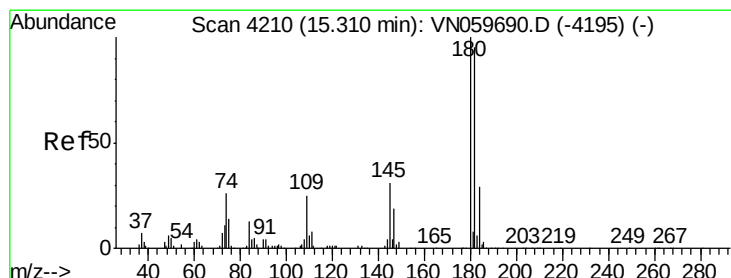
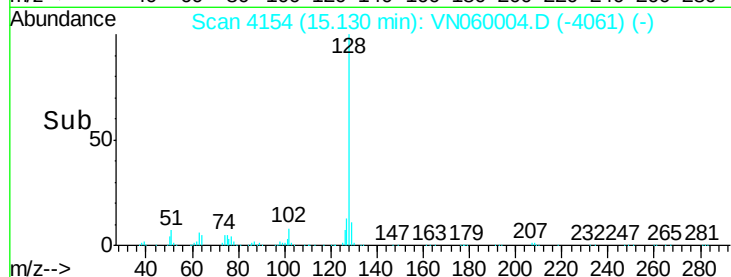
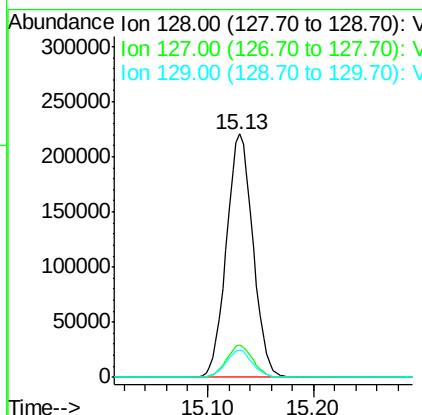
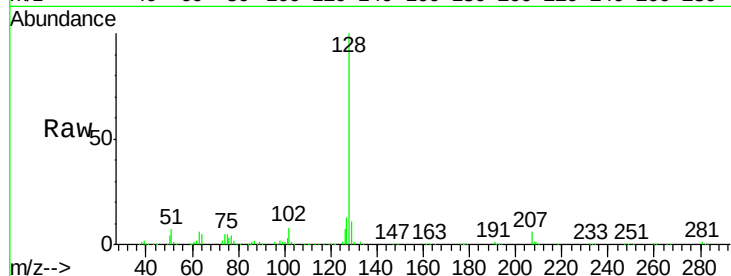
#95
Naphthalene
Concen: 49.714 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN060004.D
Acq: 4 Feb 2020 18:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.4	15.6
129	10.9	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
2/5/2020 12:23:32 PM



#96
1,2,3-Trichlorobenzene
Concen: 50.184 ug/l
RT: 15.31 min Scan# 4210
Delta R.T. 0.00 min
Lab File: VN060004.D
Acq: 4 Feb 2020 18:58

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.1	47.4	142.3
145	31.9	16.3	48.9

