

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN012720\
 Data File : VN059885.D
 Acq On : 27 Jan 2020 20:09
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 1/28/2020 9:24:56 AM

Quant Time: Jan 27 23:59:50 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	208424	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	325450	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	293792	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	144816	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.00	65	117095	50.59	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.18%	
35) Dibromofluoromethane	7.56	113	100110	51.58	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.16%	
50) Toluene-d8	10.08	98	375851	49.98	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.96%	
62) 4-Bromofluorobenzene	12.40	95	139059	51.30	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.60%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.83	85	112927	45.913	ug/l	99
3) Chloromethane	2.04	50	105065	44.030	ug/l	100
4) Vinyl Chloride	2.17	62	138107	50.585	ug/l	97
5) Bromomethane	2.53	94	82089	49.268	ug/l	100
6) Chloroethane	2.68	64	65226	50.497	ug/l	98
7) Trichlorofluoromethane	3.00	101	166571	50.802	ug/l	100
8) Diethyl Ether	3.38	74	58658	50.977	ug/l	82
9) 1,1,2-Trichlorotrifluoroet	3.74	101	96310	52.776	ug/l	93
10) Methyl Iodide	3.93	142	146802	49.768	ug/l	95
11) Tert butyl alcohol	4.73	59	93425	239.766	ug/l	99
12) 1,1-Dichloroethene	3.71	96	93222	48.888	ug/l	88
13) Acrolein	3.58	56	75660	274.304	ug/l	100
14) Allyl chloride	4.29	41	123324	47.982	ug/l #	83
15) Acrylonitrile	4.94	53	228529	257.114	ug/l	100
16) Acetone	3.78	43	198515	251.523	ug/l	95
17) Carbon Disulfide	4.03	76	234727	43.212	ug/l	100
18) Methyl Acetate	4.29	43	140953	52.135	ug/l #	90
19) Methyl tert-butyl Ether	5.00	73	320134	51.492	ug/l	96
20) Methylene Chloride	4.52	84	104582	49.940	ug/l	88
21) trans-1,2-Dichloroethene	5.01	96	99273	48.976	ug/l	88
22) Diisopropyl ether	5.91	45	292477	50.214	ug/l #	97
23) Vinyl Acetate	5.86	43	1144418	253.771	ug/l #	93
24) 1,1-Dichloroethane	5.82	63	177795	49.957	ug/l	98
25) 2-Butanone	6.80	43	294948	225.023	ug/l #	89
26) 2,2-Dichloropropane	6.79	77	165690	48.426	ug/l	95
27) cis-1,2-Dichloroethene	6.80	96	119351	51.194	ug/l	87
28) Bromochloromethane	7.17	49	65703	46.190	ug/l #	72
29) Tetrahydrofuran	7.18	42	192136	236.917	ug/l #	85
30) Chloroform	7.35	83	191390	51.902	ug/l	100
31) Cyclohexane	7.63	56	150696	44.004	ug/l	89
32) 1,1,1-Trichloroethane	7.54	97	173859	50.992	ug/l	95
36) 1,1-Dichloropropene	7.77	75	137905	48.659	ug/l	95
37) Ethyl Acetate	6.90	43	123446	46.440	ug/l #	95
38) Carbon Tetrachloride	7.75	117	156697	50.827	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	163061	46.661	ug/l	91
40) Benzene	8.02	78	412528	48.806	ug/l	99
41) Methacrylonitrile	7.15	41	59852m	45.713	ug/l	
42) 1,2-Dichloroethane	8.10	62	147955	51.627	ug/l	97
43) Isopropyl Acetate	8.14	43	216977	47.456	ug/l #	94
44) Trichloroethene	8.82	130	116162	50.343	ug/l	92
45) 1,2-Dichloropropane	9.10	63	105471	50.427	ug/l	100
46) Dibromomethane	9.19	93	75716	51.319	ug/l	92
47) Bromodichloromethane	9.38	83	154680	52.025	ug/l	99
48) Methyl methacrylate	9.18	41	96440	47.156	ug/l	87
49) 1,4-Dioxane	9.18	88	39425	1053.053	ug/l #	88
51) 4-Methyl-2-Pentanone	9.97	43	636479	240.814	ug/l	94
52) Toluene	10.14	92	270110	50.592	ug/l	98
53) t-1,3-Dichloropropene	10.37	75	169646	51.101	ug/l	100
54) cis-1,3-Dichloropropene	9.82	75	179193	51.300	ug/l	93
55) 1,1,2-Trichloroethane	10.55	97	108593	51.356	ug/l	98
56) Ethyl methacrylate	10.42	69	160381	49.638	ug/l	90
57) 1,3-Dichloropropane	10.70	76	175238	52.200	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	257294	264.382	ug/l	91
59) 2-Hexanone	10.74	43	463386	237.984	ug/l	93
60) Dibromochloromethane	10.89	129	127835	53.089	ug/l	100
61) 1,2-Dibromoethane	10.99	107	114731	51.768	ug/l	100
64) Tetrachloroethene	10.62	164	103138	43.074	ug/l	95
65) Chlorobenzene	11.43	112	297513	51.521	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	117299	52.570	ug/l	99
67) Ethyl Benzene	11.50	91	530474	50.605	ug/l	97
68) m/p-Xylenes	11.62	106	404034	102.035	ug/l	94
69) o-Xylene	11.94	106	196401	50.663	ug/l	95
70) Styrene	11.96	104	326937	50.399	ug/l	97
71) Bromoform	12.12	173	97268	54.422	ug/l #	97
73) Isopropylbenzene	12.24	105	531108	50.007	ug/l	99
74) N-amyl acetate	12.06	43	191979	46.584	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.50	83	158931	51.619	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	135875m	55.753	ug/l	
77) Bromobenzene	12.52	156	136524	50.760	ug/l	81
78) n-propylbenzene	12.59	91	593275	49.768	ug/l	96
79) 2-Chlorotoluene	12.67	91	348788	49.183	ug/l	94
80) 1,3,5-Trimethylbenzene	12.73	105	445998	49.932	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.29	75	55297	48.726	ug/l	95
82) 4-Chlorotoluene	12.77	91	361181	50.778	ug/l	96
83) tert-Butylbenzene	12.99	119	390361	50.531	ug/l	95
84) 1,2,4-Trimethylbenzene	13.04	105	444612	50.315	ug/l	98
85) sec-Butylbenzene	13.17	105	510018	50.250	ug/l	99
86) p-Isopropyltoluene	13.28	119	469872	50.032	ug/l	97
87) 1,3-Dichlorobenzene	13.28	146	240260	51.426	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	237632	50.986	ug/l	98
89) n-Butylbenzene	13.61	91	404988	50.576	ug/l	98
90) Hexachloroethane	13.87	117	88876	50.581	ug/l	87
91) 1,2-Dichlorobenzene	13.65	146	234527	50.777	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.27	75	31291	47.233	ug/l	77

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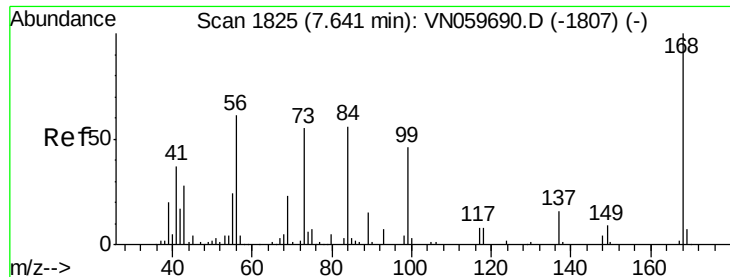
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	140015	50.450	ug/l	99
94) Hexachlorobutadiene	15.01	225	74355	48.618	ug/l	99
95) Naphthalene	15.13	128	391991	49.657	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	134713	49.868	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. 0.00 min

Lab File: VN059885.D

Acq: 27 Jan 2020 20:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 208424

Ion Ratio Lower Upper

168 100

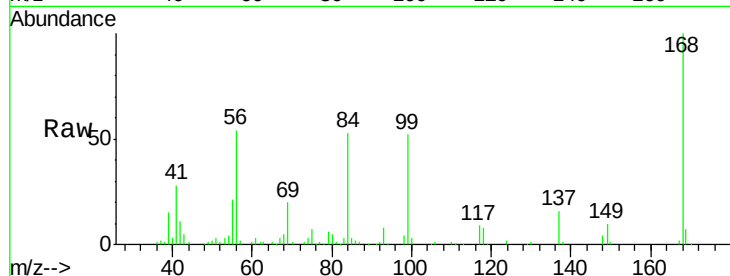
99 51.7 48.2 72.4

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.64

80000

60000

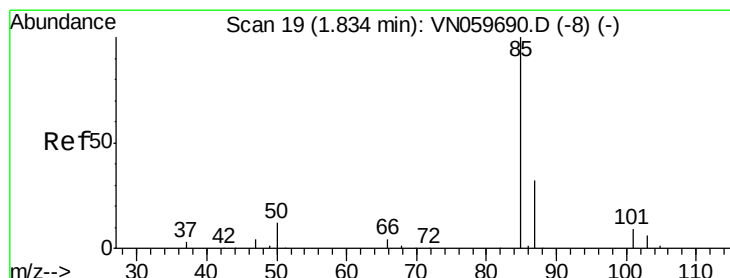
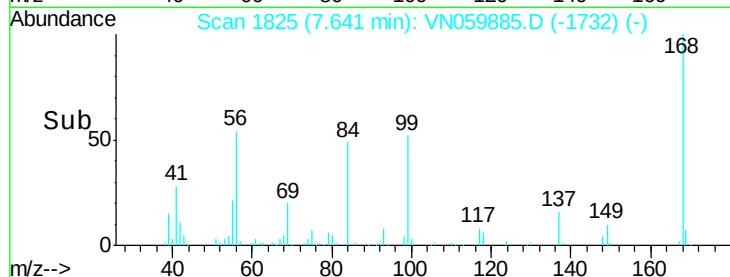
40000

20000

0

7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 45.913 ug/l

RT: 1.83 min Scan# 18

Delta R.T. -0.00 min

Lab File: VN059885.D

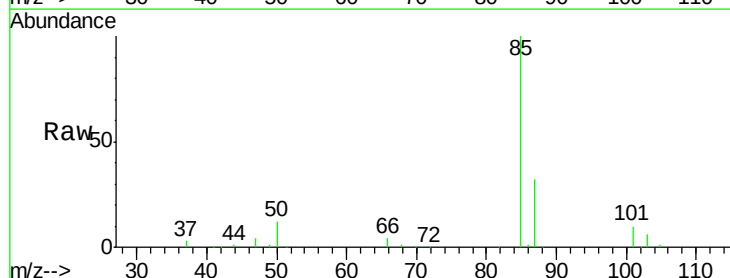
Acq: 27 Jan 2020 20:09

Tgt Ion: 85 Resp: 112927

Ion Ratio Lower Upper

85 100

87 32.4 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

80000

60000

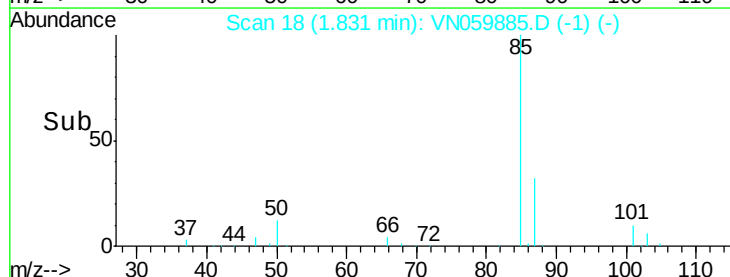
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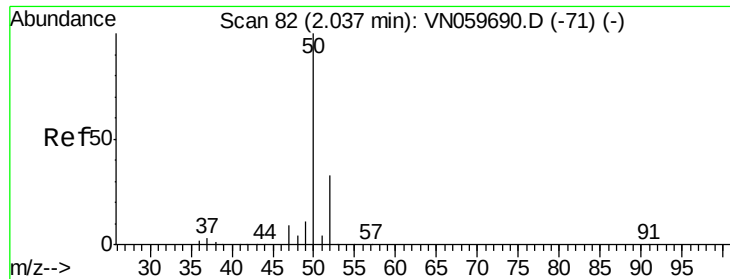
20000

0

1.75 1.80 1.85 1.90

Time-->





#3

Chloromethane

Concen: 44.030 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN059885.D

Acq: 27 Jan 2020 20:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 105065

Ion Ratio Lower Upper

50 100

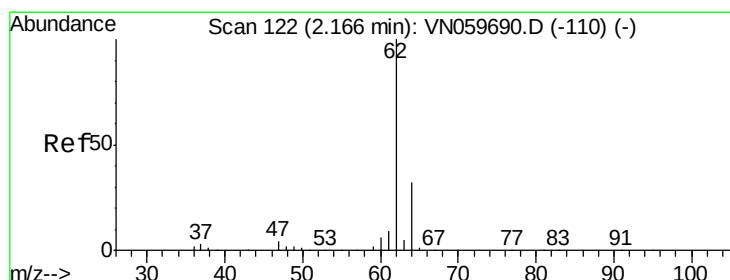
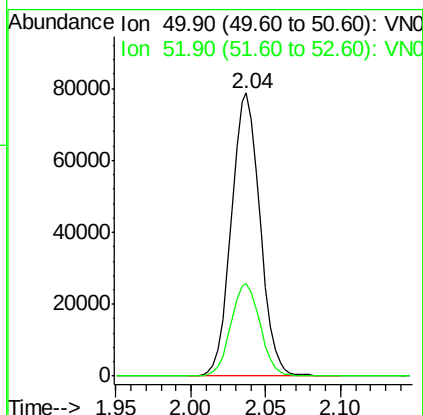
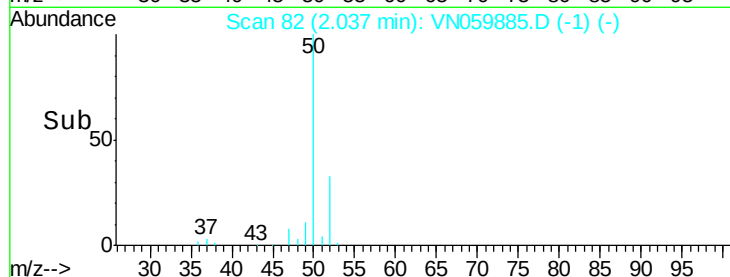
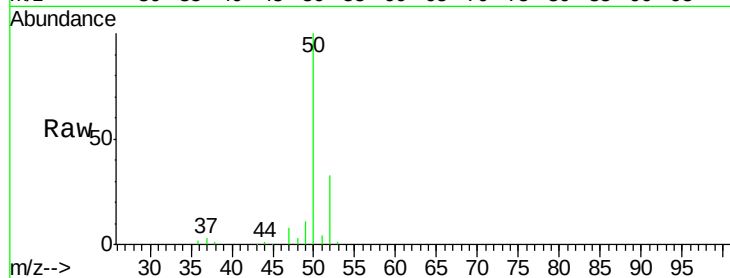
52 32.5 25.9 38.9

Manual Integrations

APPROVED

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#4

Vinyl Chloride

Concen: 50.585 ug/l

RT: 2.17 min Scan# 122

Delta R.T. 0.00 min

Lab File: VN059885.D

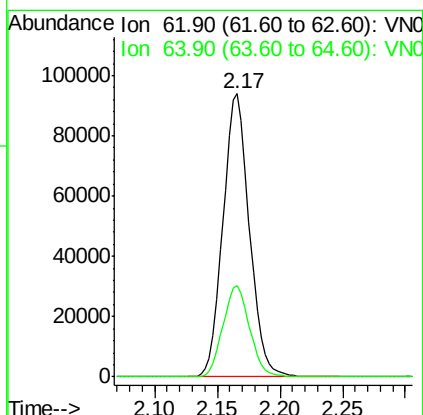
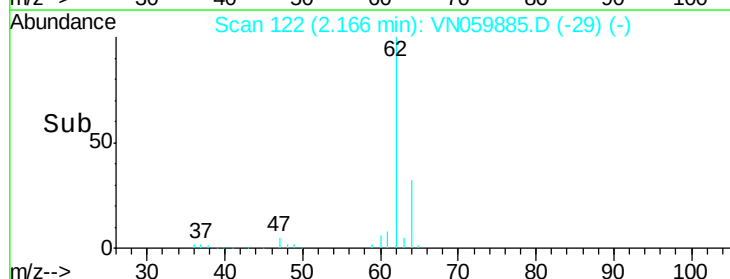
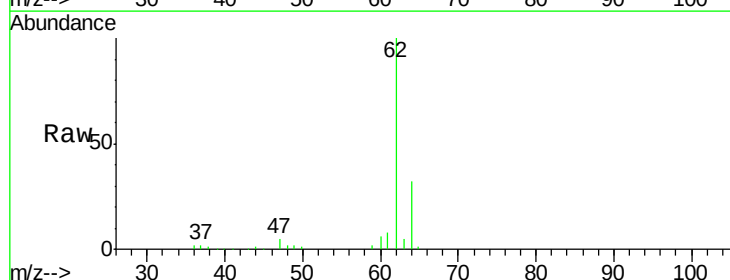
Acq: 27 Jan 2020 20:09

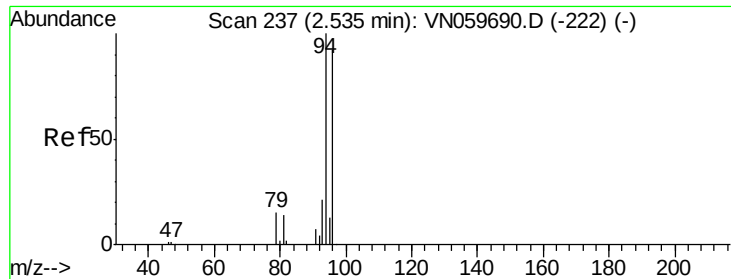
Tgt Ion: 62 Resp: 138107

Ion Ratio Lower Upper

62 100

64 32.2 24.6 37.0





#5

Bromomethane

Concen: 49.268 ug/l

RT: 2.53 min Scan# 234

Delta R.T. -0.01 min

Lab File: VN059885.D

Acq: 27 Jan 2020 20:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 82089

Ion Ratio Lower Upper

94 100

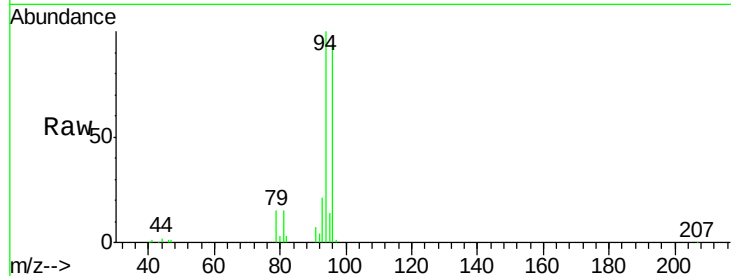
96 93.7 74.7 112.1

Manual Integrations

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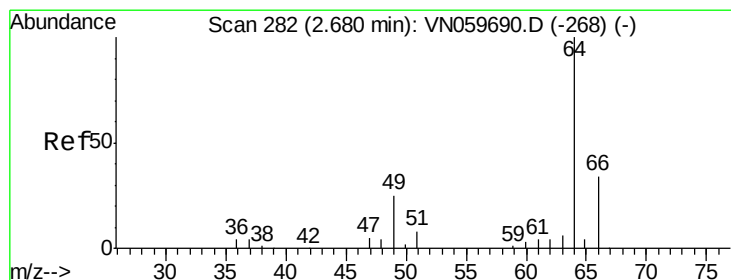
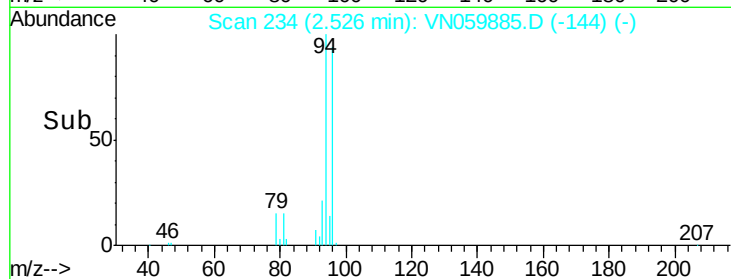
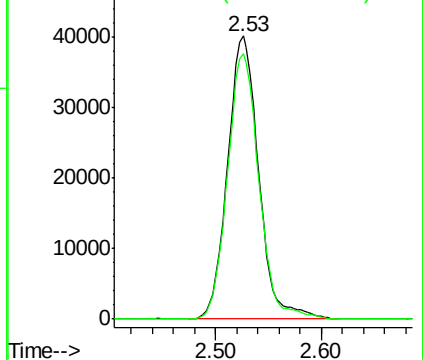
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 50.497 ug/l

RT: 2.68 min Scan# 281

Delta R.T. -0.00 min

Lab File: VN059885.D

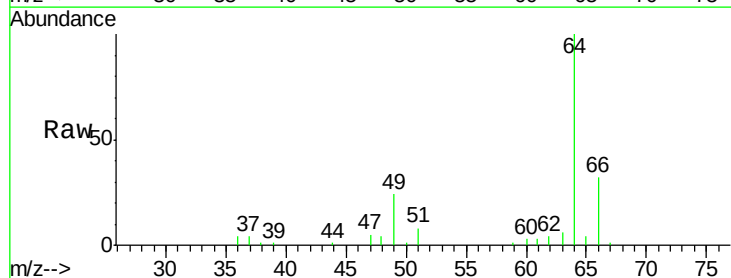
Acq: 27 Jan 2020 20:09

Tgt Ion: 64 Resp: 65226

Ion Ratio Lower Upper

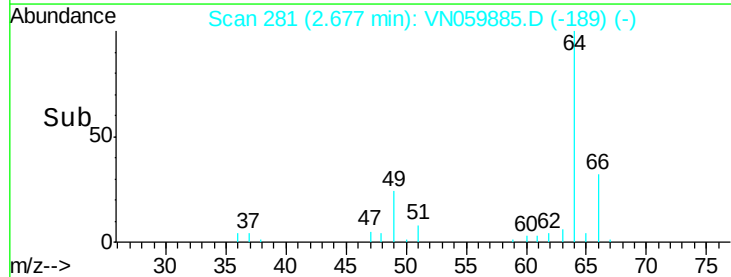
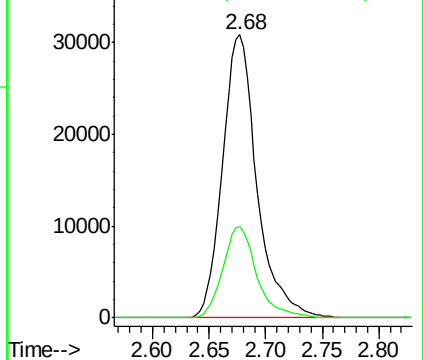
64 100

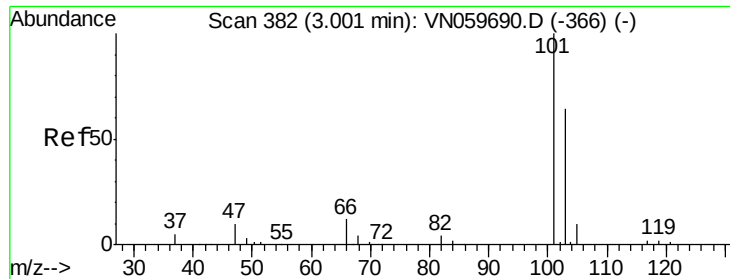
66 32.2 25.1 37.7



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

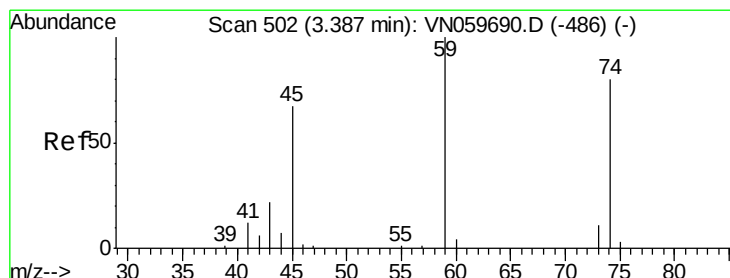
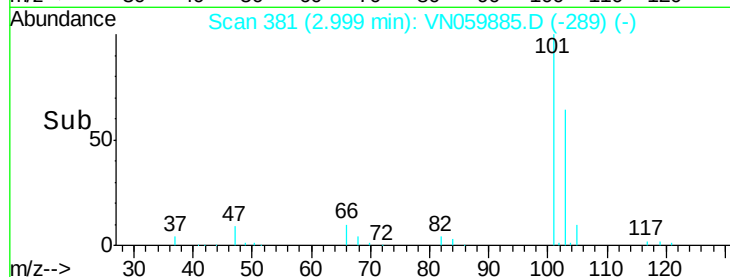
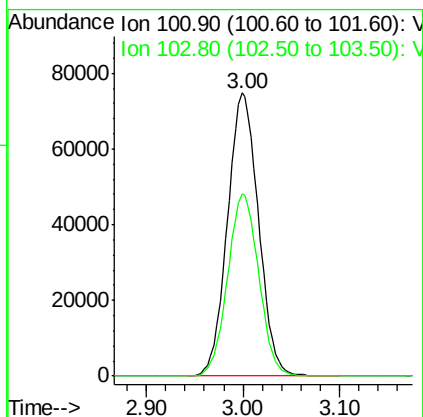
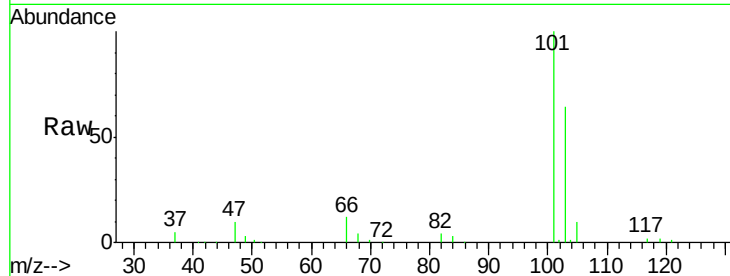
Trichlorofluoromethane
Concen: 50.802 ug/l
RT: 3.00 min Scan# 381
Delta R.T. -0.00 min
Lab File: VN059885.D
Acq: 27 Jan 2020 20:09

Instrument :
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ClientSampleId :
VSTDCCC050EC

Tot Ion:101 Resp: 166571
Ion Ratio Lower Upper
101 100
103 64.2 51.0 76.6

Manual Integrations
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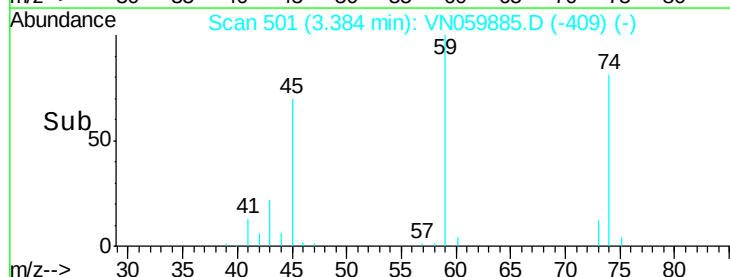
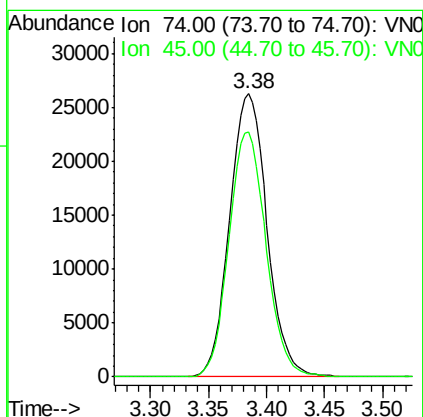
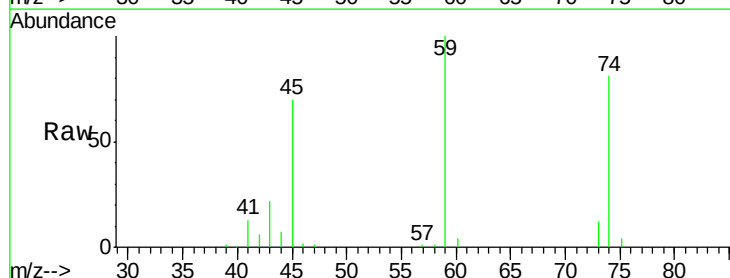
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1/28/2020 9:24:56 AM

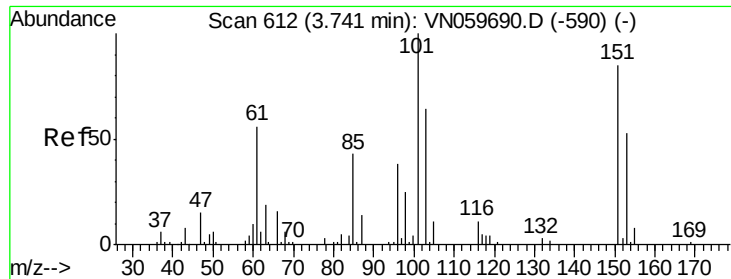


#8

Diethyl Ether
Concen: 50.977 ug/l
RT: 3.38 min Scan# 501
Delta R.T. -0.00 min
Lab File: VN059885.D
Acq: 27 Jan 2020 20:09

Tgt Ion: 74 Resp: 58658
Ion Ratio Lower Upper
74 100
45 85.9 51.9 155.8





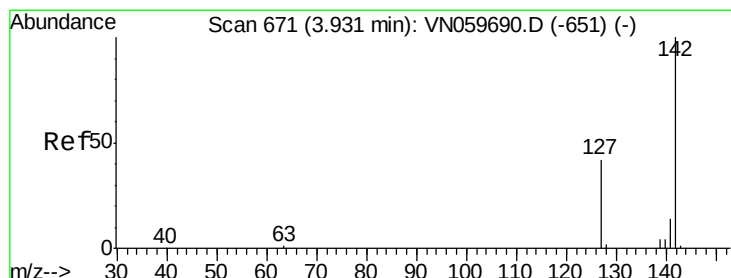
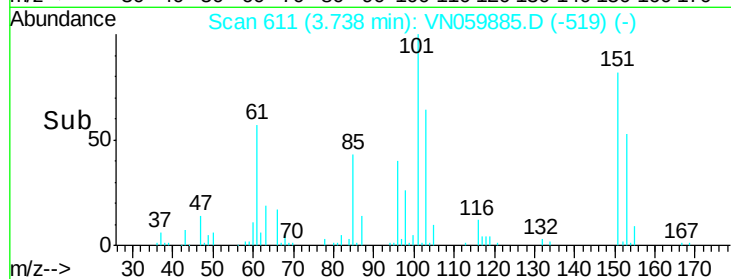
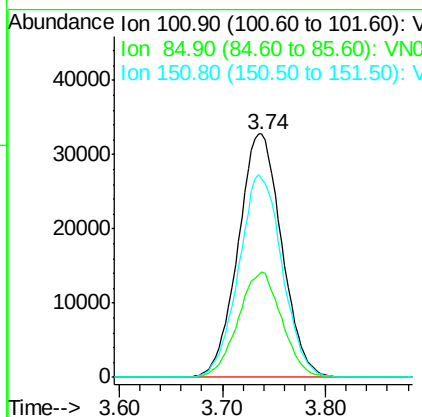
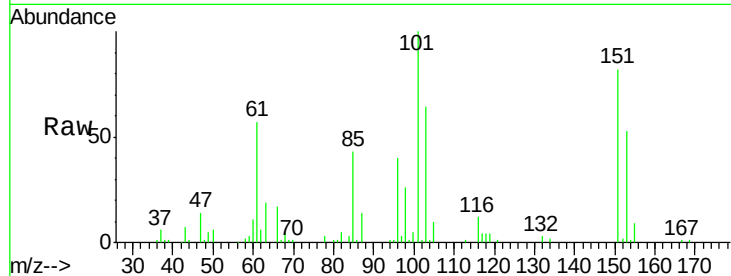
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 52.776 ug/l
 RT: 3.74 min Scan# 611
 Delta R.T. -0.00 min
 Lab File: VN059885.D
 Acq: 27 Jan 2020 20:09

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Tot Ion	Ratio	Lower	Upper
101	100		
85	43.2	36.6	54.8
151	82.8	59.7	89.5

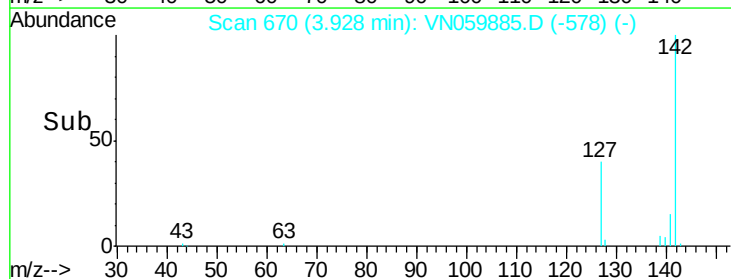
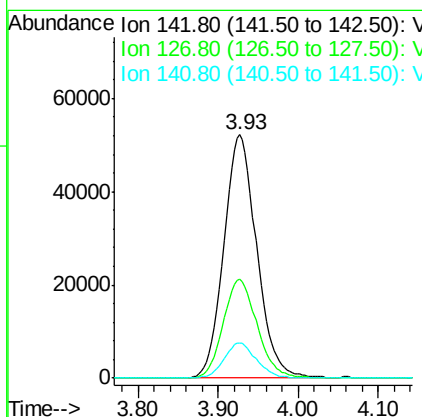
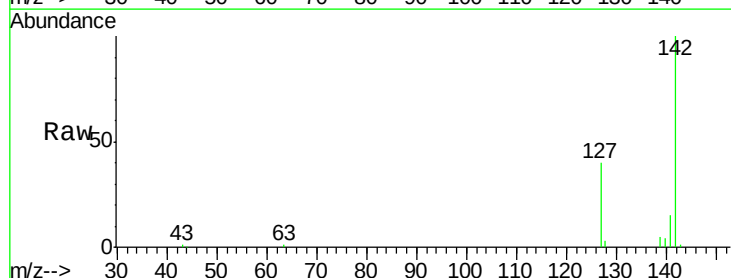
Manual Integrations
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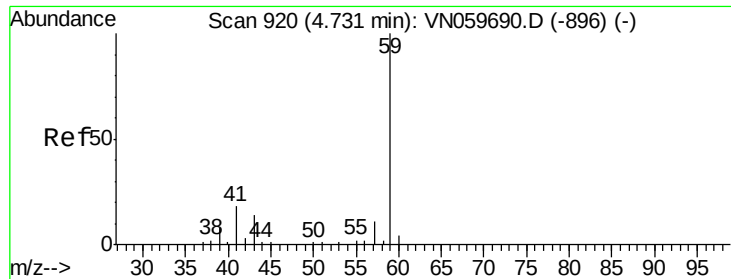
MMDadoda
 1/28/2020 9:24:56 AM



#10
 Methyl Iodide
 Concen: 49.768 ug/l
 RT: 3.93 min Scan# 670
 Delta R.T. -0.00 min
 Lab File: VN059885.D
 Acq: 27 Jan 2020 20:09

Tgt Ion	Ratio	Lower	Upper
142	100		
127	41.8	36.7	55.1
141	14.1	11.7	17.5





#11

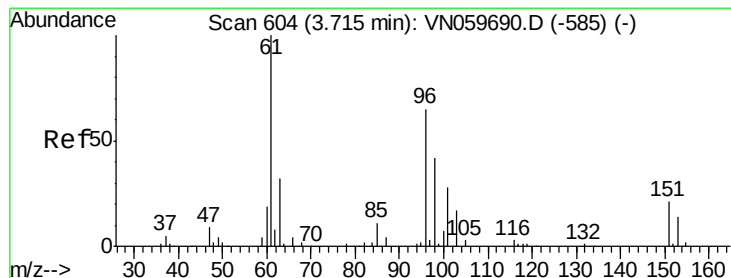
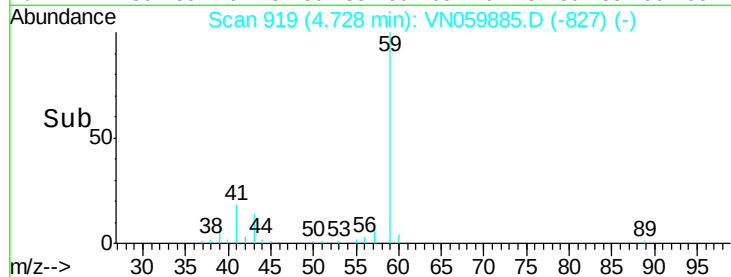
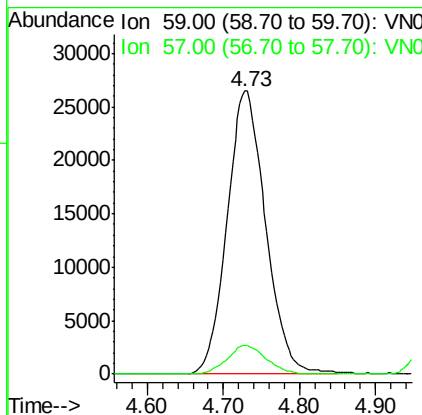
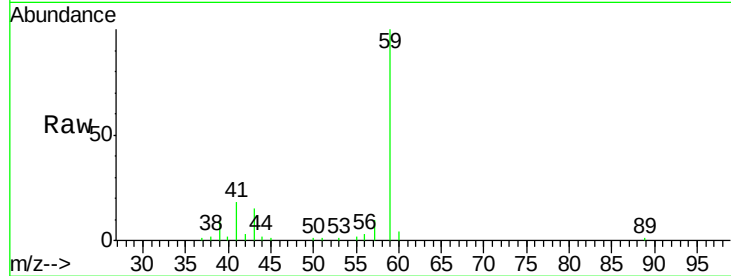
Tert butyl alcohol
 Concen: 239.766 ug/l
 RT: 4.73 min Scan# 919
 Delta R.T. -0.00 min
 Lab File: VN059885.D
 Acq: 27 Jan 2020 20:09

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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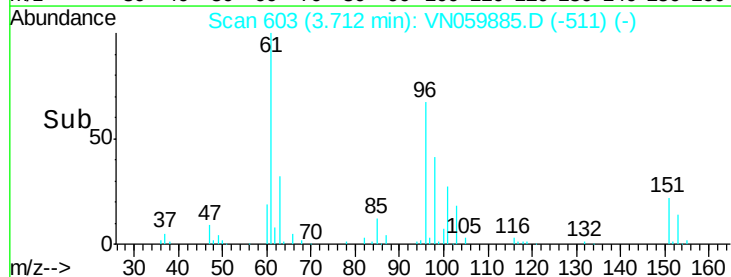
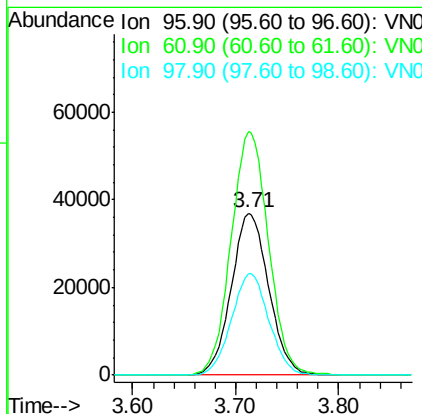
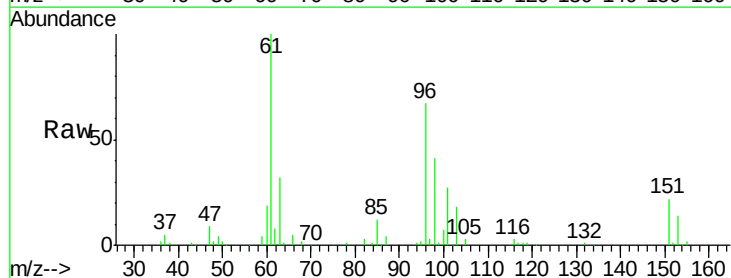
MMDadoda
 1/28/2020 9:24:56 AM

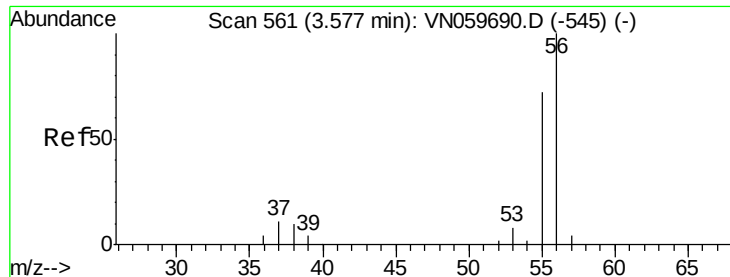


#12

1,1-Dichloroethene
 Concen: 48.888 ug/l
 RT: 3.71 min Scan# 603
 Delta R.T. -0.00 min
 Lab File: VN059885.D
 Acq: 27 Jan 2020 20:09

Tgt Ion	Ratio	Lower	Upper
96	100		
61	150.1	137.5	206.3
98	62.3	50.2	75.4





#13

Acrolein

Concen: 274.304 ug/l

RT: 3.58 min Scan# 561

Delta R.T. 0.00 min

Lab File: VN059885.D

Acq: 27 Jan 2020 20:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 75660

Ion Ratio Lower Upper

56 100

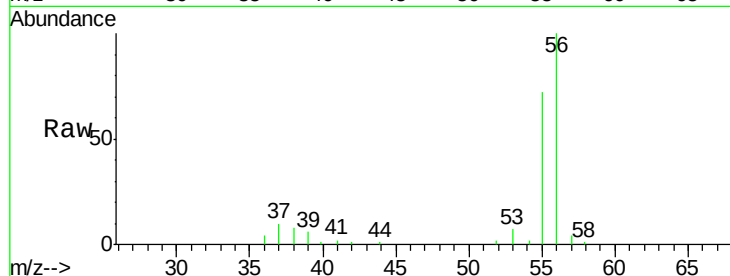
55 73.7 58.6 88.0

Manual Integrations

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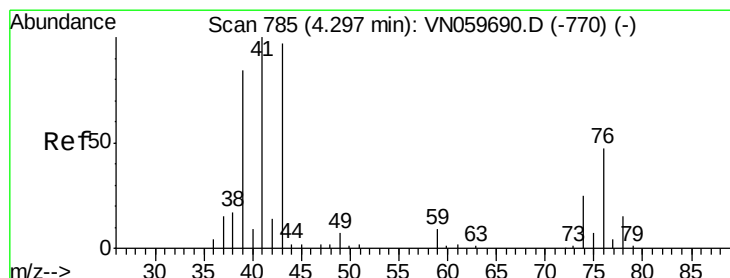
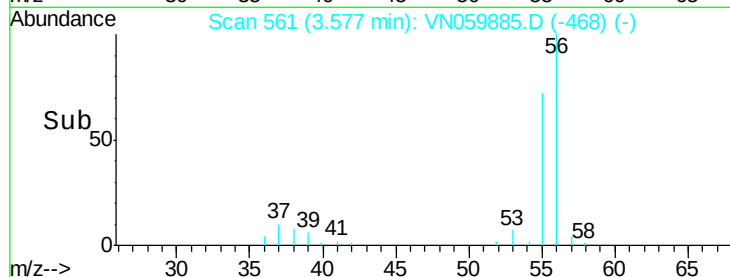
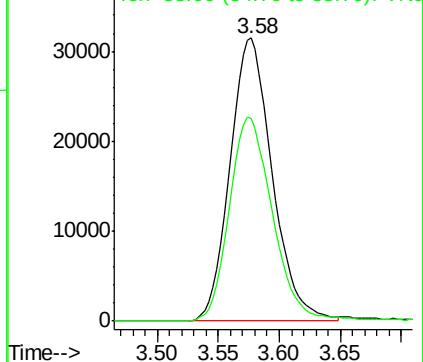
MMDadoda

1/28/2020 9:24:56 AM



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 47.982 ug/l

RT: 4.29 min Scan# 784

Delta R.T. -0.00 min

Lab File: VN059885.D

Acq: 27 Jan 2020 20:09

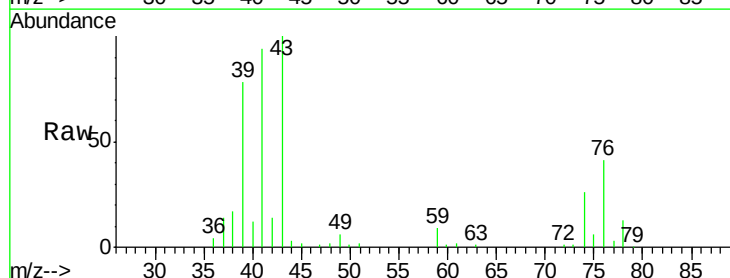
Tgt Ion: 41 Resp: 123324

Ion Ratio Lower Upper

41 100

39 84.2 57.8 86.8

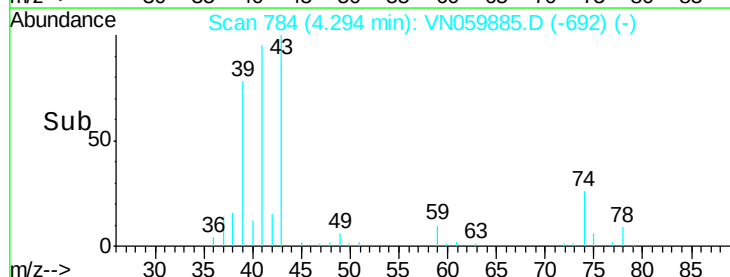
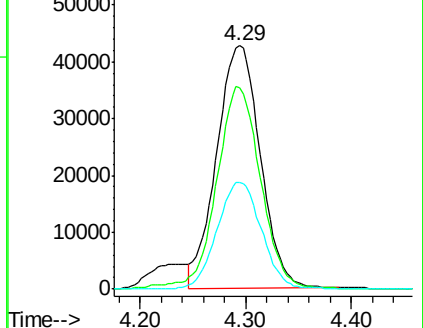
76 44.5 25.4 38.0#

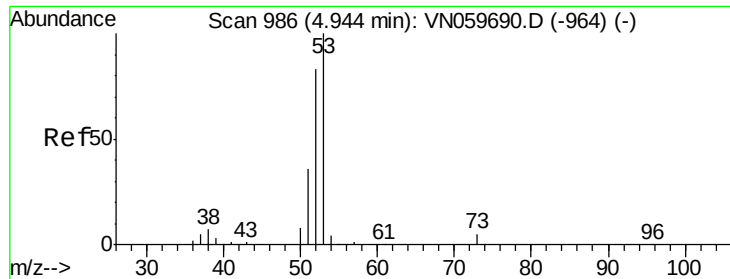


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 257.114 ug/l

RT: 4.94 min Scan# 985

Delta R.T. -0.00 min

Lab File: VN059885.D

Acq: 27 Jan 2020 20:09

Instrument :

MSVOA_N

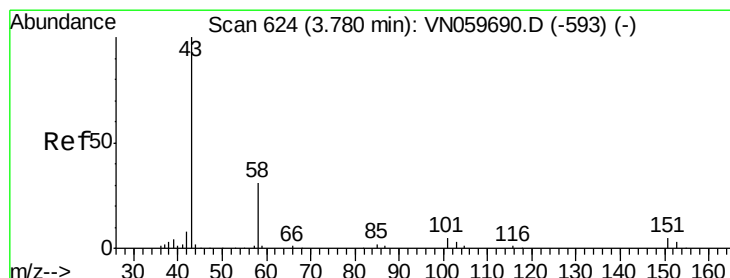
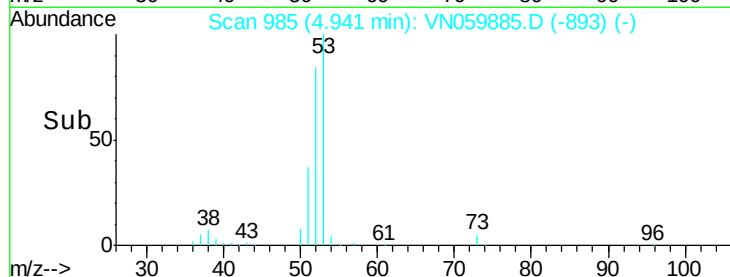
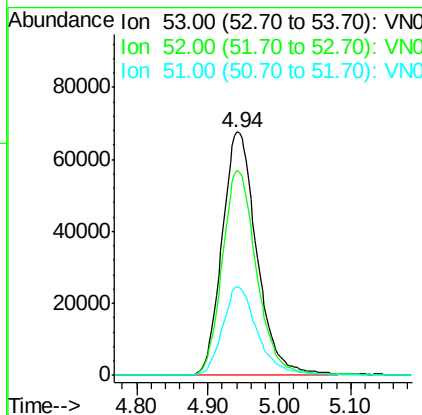
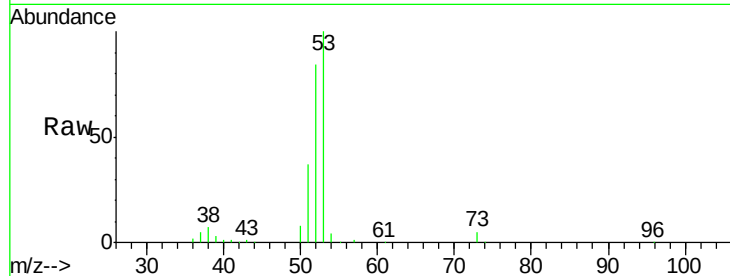
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	228529
Ion	Ratio	Lower	Upper
53	100		
52	83.2	66.3	99.5
51	36.7	29.7	44.5

Manual Integrations
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#16

Acetone

Concen: 251.523 ug/l

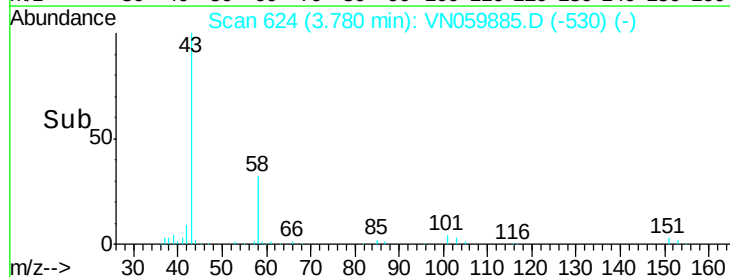
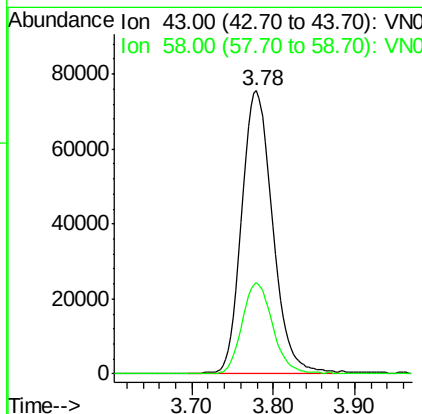
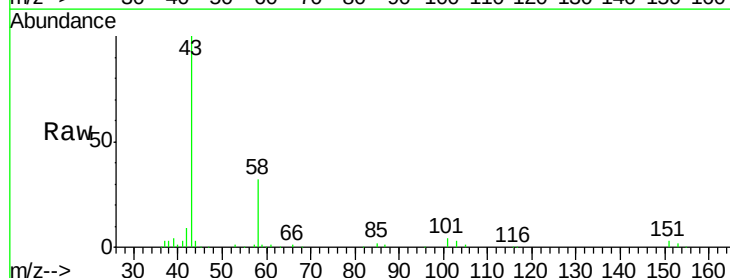
RT: 3.78 min Scan# 624

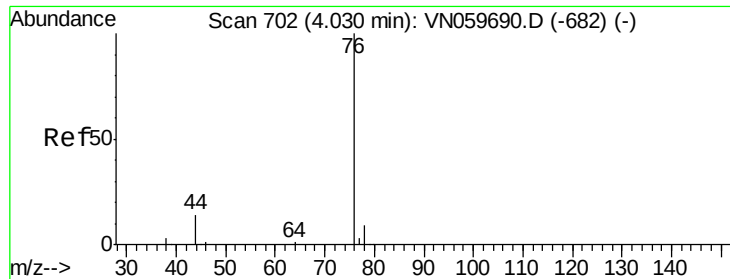
Delta R.T. 0.00 min

Lab File: VN059885.D

Acq: 27 Jan 2020 20:09

Tgt Ion:	43	Resp:	198515
Ion	Ratio	Lower	Upper
43	100		
58	32.1	23.6	35.4





#17

Carbon Disulfide

Concen: 43.212 ug/l

RT: 4.03 min Scan# 701

Delta R.T. -0.00 min

Lab File: VN059885.D

Acq: 27 Jan 2020 20:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 234727

Ion Ratio Lower Upper

76 100

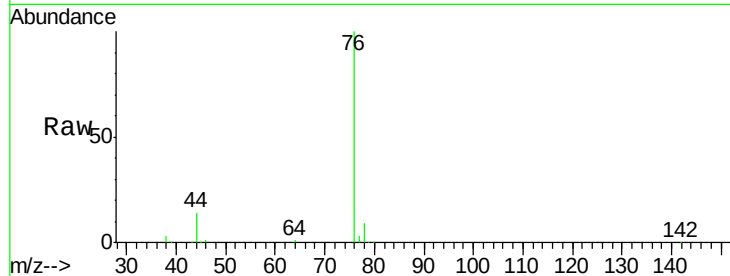
78 9.1 7.4 11.0

Manual Integrations

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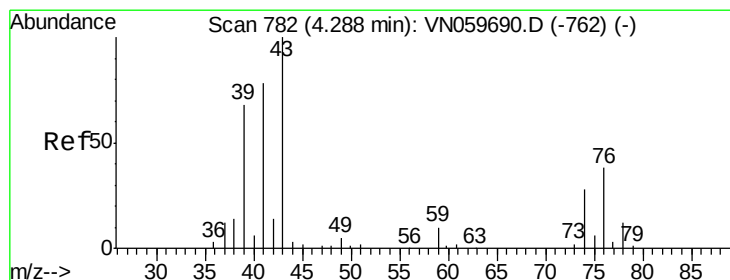
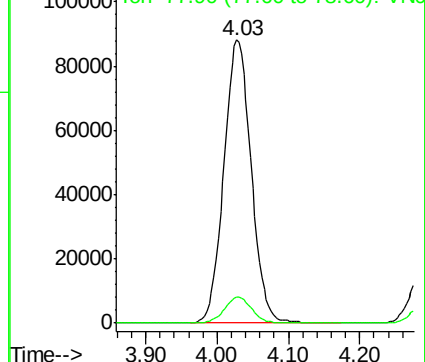
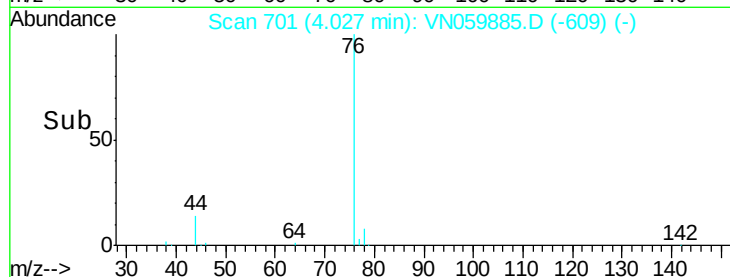
MMDadoda

1/28/2020 9:24:56 AM



Abundance Ion 75.90 (75.60 to 76.60): VN059885.D (-609) (-)

Ion 77.90 (77.60 to 78.60): VN059885.D (-609) (-)



#18

Methyl Acetate

Concen: 52.135 ug/l

RT: 4.29 min Scan# 782

Delta R.T. 0.00 min

Lab File: VN059885.D

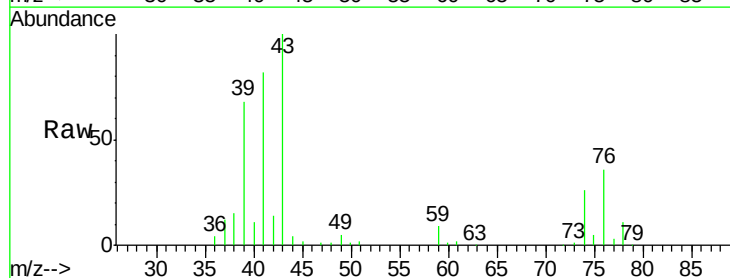
Acq: 27 Jan 2020 20:09

Tgt Ion: 43 Resp: 140953

Ion Ratio Lower Upper

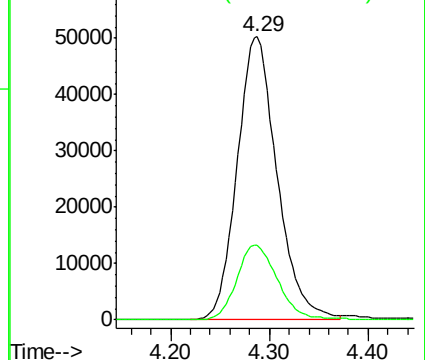
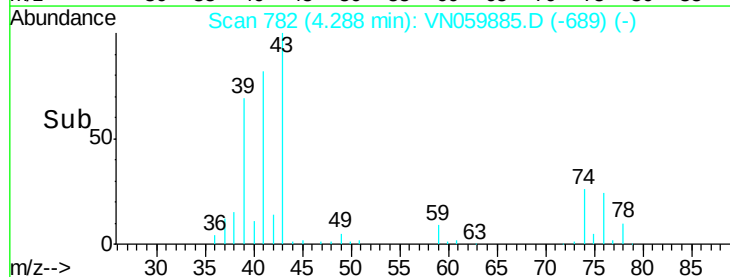
43 100

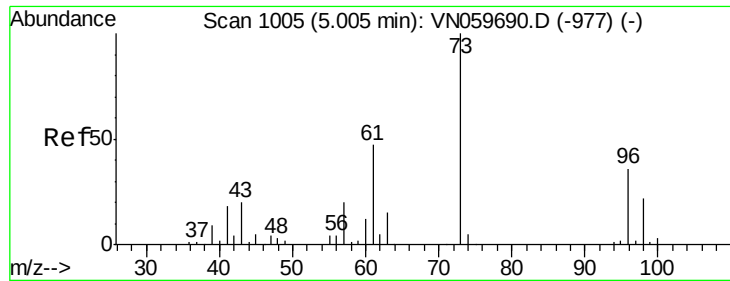
74 26.8 17.5 26.3#



Abundance Ion 43.00 (42.70 to 43.70): VN059885.D (-689) (-)

Ion 74.00 (73.70 to 74.70): VN059885.D (-689) (-)





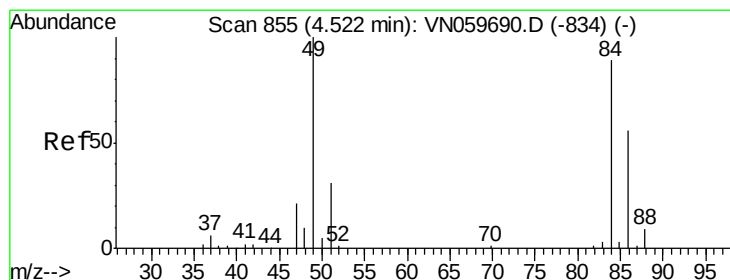
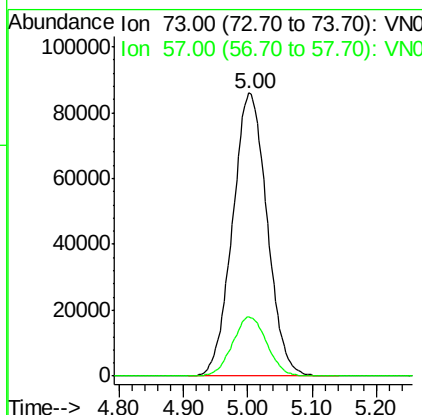
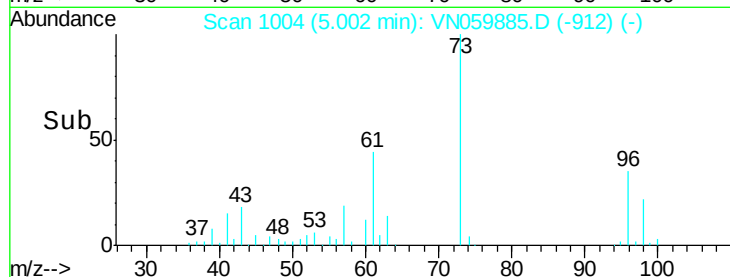
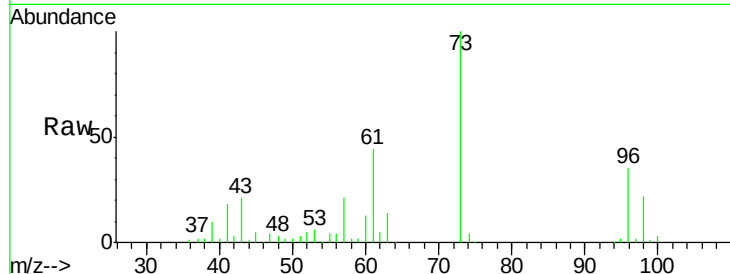
#19
Methvl tert-butyl Ether
Concen: 51.492 ug/l
RT: 5.00 min Scan# 1004
Delta R.T. -0.00 min
Lab File: VN059885.D
Acq: 27 Jan 2020 20:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 320134
Ion Ratio Lower Upper
73 100
57 21.1 18.6 27.8

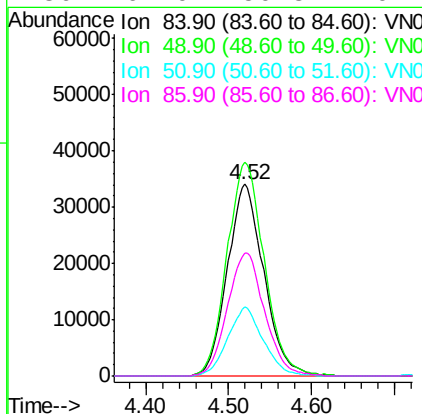
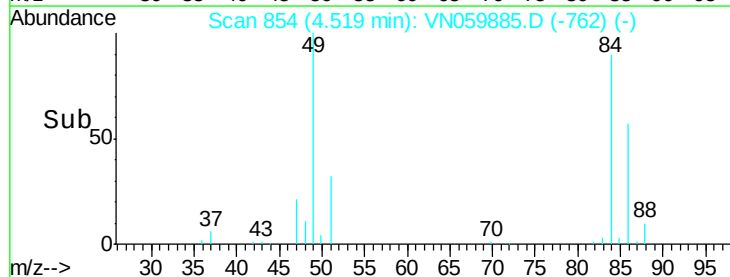
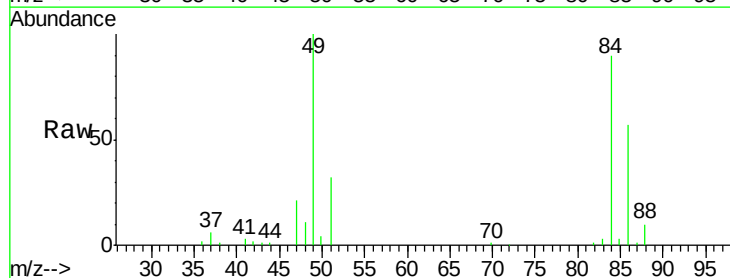
Manual Integrations
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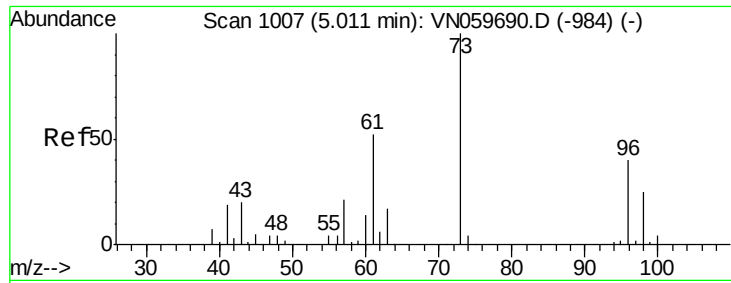
MMDadoda
1/28/2020 9:24:56 AM



#20
Methylene Chloride
Concen: 49.940 ug/l
RT: 4.52 min Scan# 854
Delta R.T. -0.00 min
Lab File: VN059885.D
Acq: 27 Jan 2020 20:09

Tgt Ion: 84 Resp: 104582
Ion Ratio Lower Upper
84 100
49 111.6 106.6 160.0
51 36.0 31.9 47.9
86 64.0 50.8 76.2





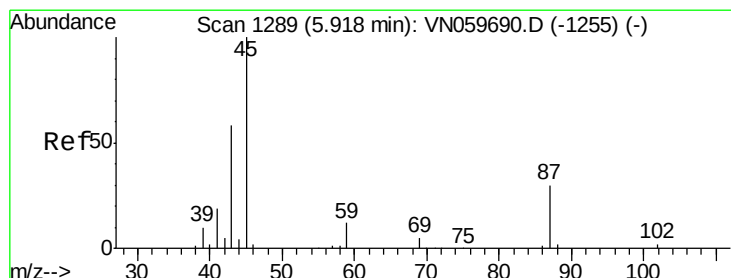
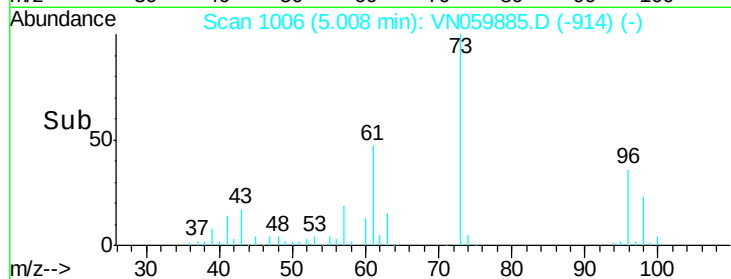
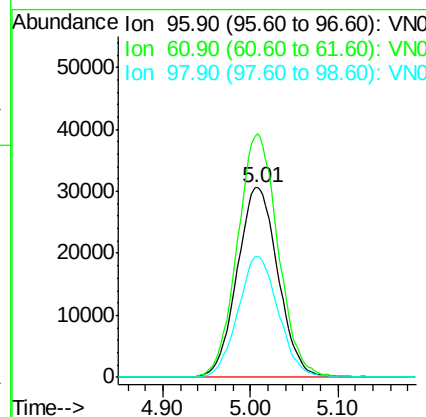
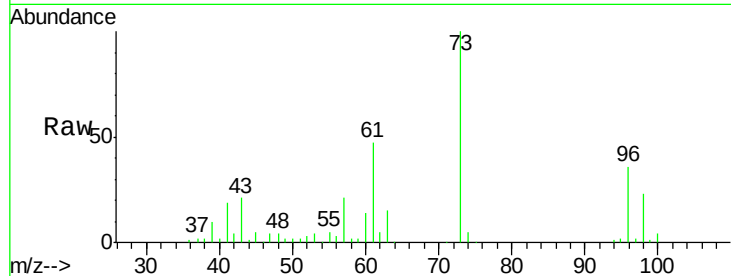
#21
trans-1,2-Dichloroethene
Concen: 48.976 ug/l
RT: 5.01 min Scan# 1006
Delta R.T. -0.00 min
Lab File: VN059885.D
Acq: 27 Jan 2020 20:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	128.5	120.4	180.6
98	63.9	50.6	75.8

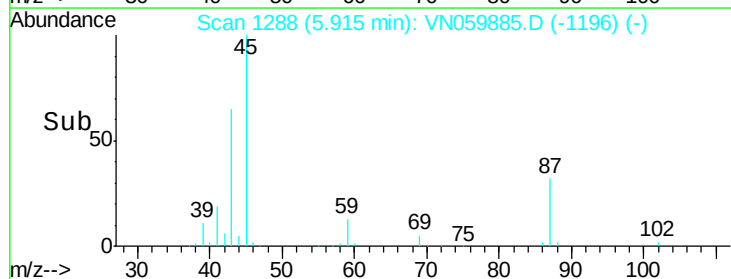
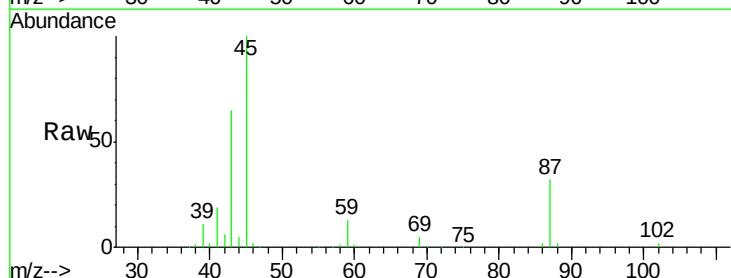
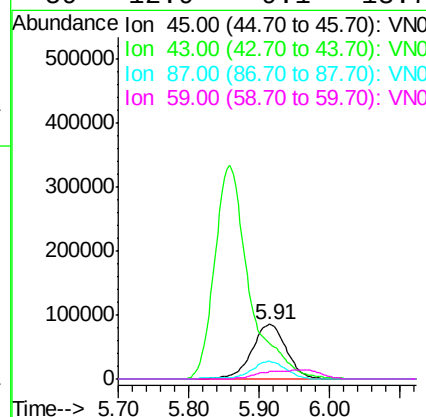
Manual Integrations
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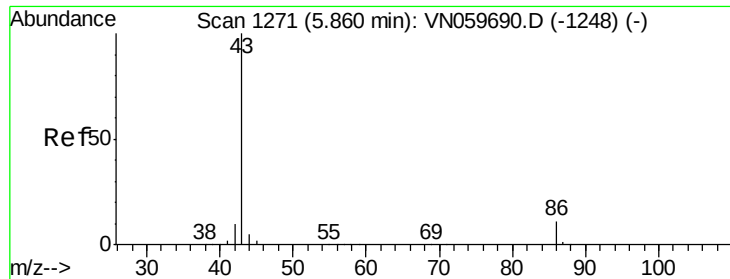
MMDadoda
1/28/2020 9:24:56 AM



#22
Diisopropyl ether
Concen: 50.214 ug/l
RT: 5.91 min Scan# 1288
Delta R.T. -0.00 min
Lab File: VN059885.D
Acq: 27 Jan 2020 20:09

Tgt Ion	Ratio	Lower	Upper
45	100		
43	63.6	50.8	76.2
87	32.2	21.0	31.6
59	12.9	9.1	13.7





#23

Vinyl Acetate

Concen: 253.771 ug/l

RT: 5.86 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VN059885.D

Acq: 27 Jan 2020 20:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1144418

Ion Ratio Lower Upper

43 100

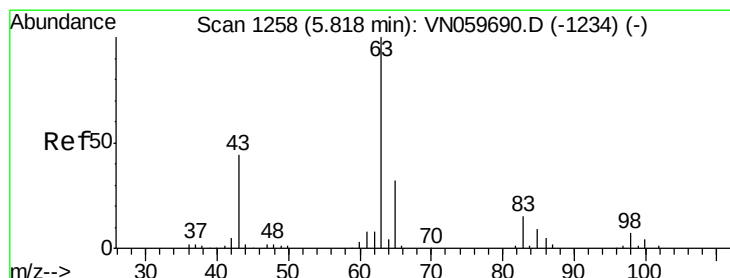
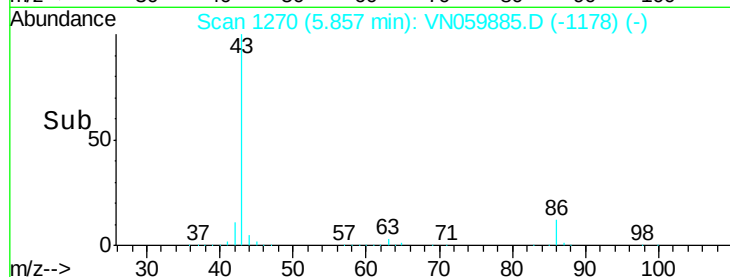
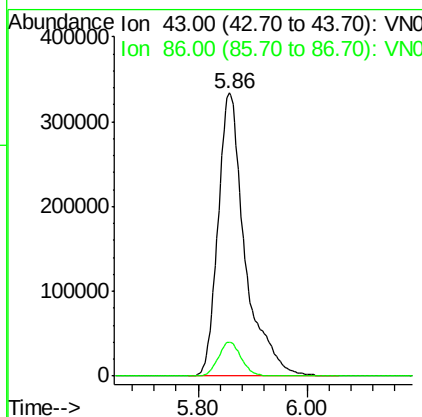
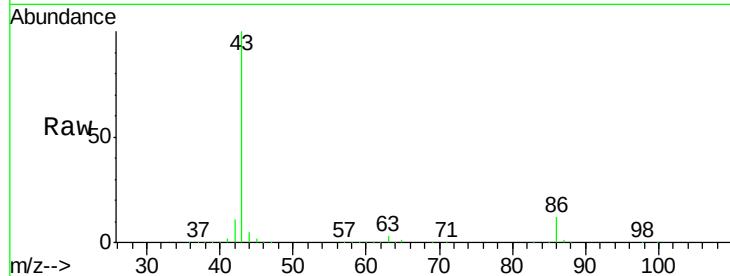
86 12.1 7.6 11.4#

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#24

1,1-Dichloroethane

Concen: 49.957 ug/l

RT: 5.82 min Scan# 1258

Delta R.T. 0.00 min

Lab File: VN059885.D

Acq: 27 Jan 2020 20:09

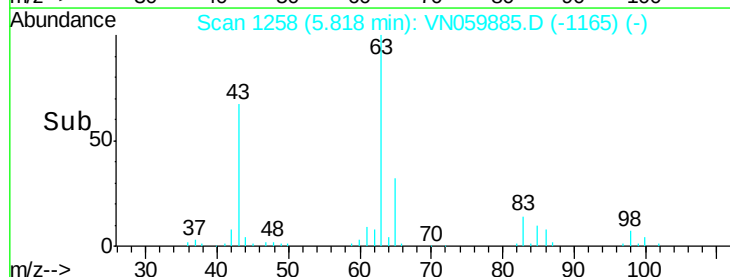
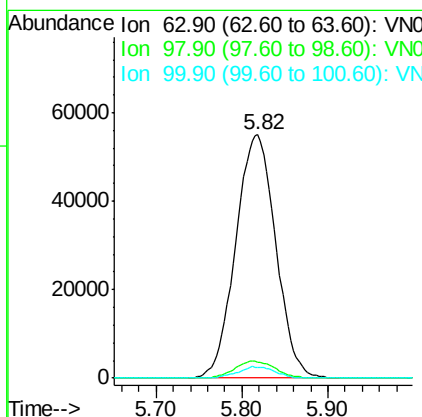
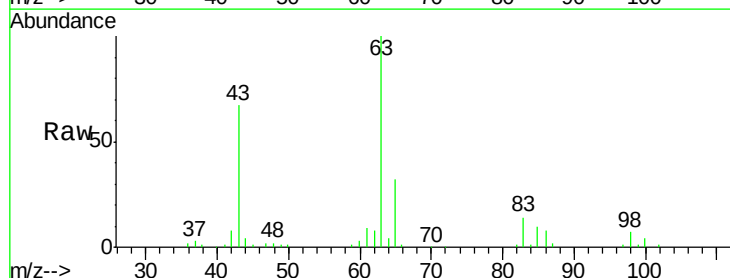
Tgt Ion: 63 Resp: 177795

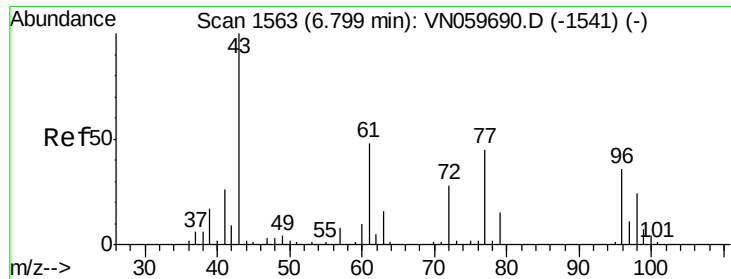
Ion Ratio Lower Upper

63 100

98 6.7 2.9 8.7

100 4.4 2.0 6.0





#25

2-Butanone

Concen: 225.023 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.00 min

Lab File: VN059885.D

Acq: 27 Jan 2020 20:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 294948

Ion Ratio Lower Upper

43 100

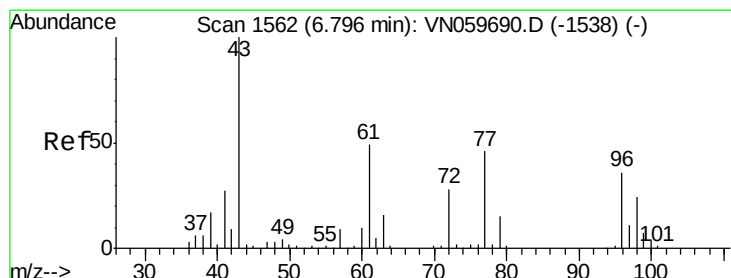
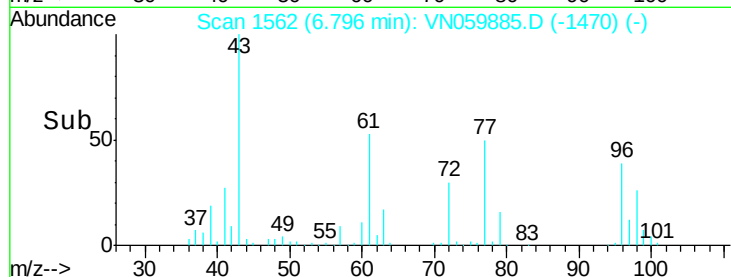
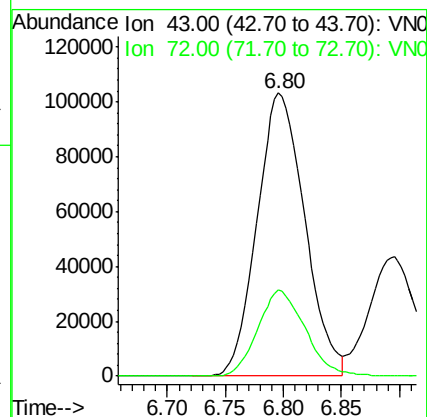
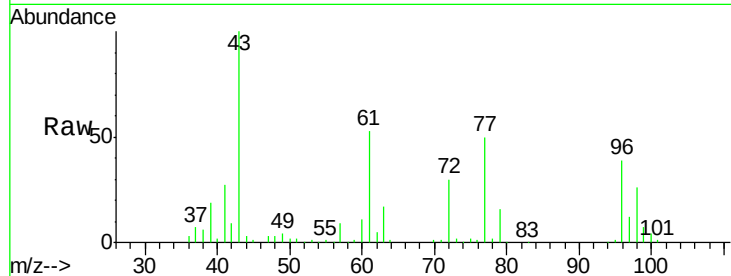
72 30.3 19.9 29.9#

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 48.426 ug/l

RT: 6.79 min Scan# 1561

Delta R.T. -0.00 min

Lab File: VN059885.D

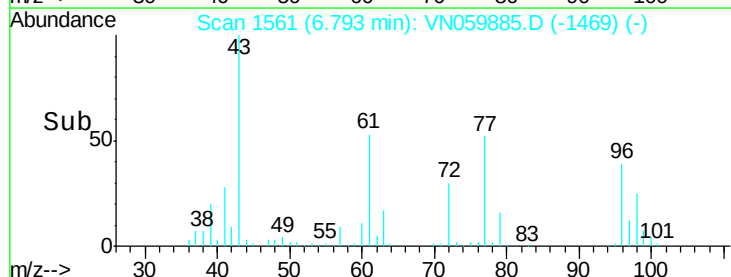
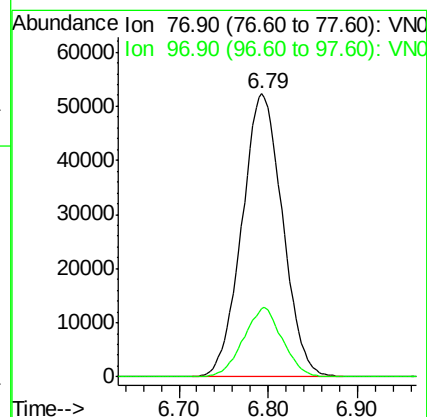
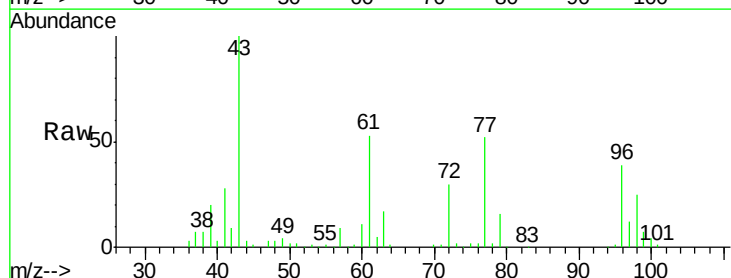
Acq: 27 Jan 2020 20:09

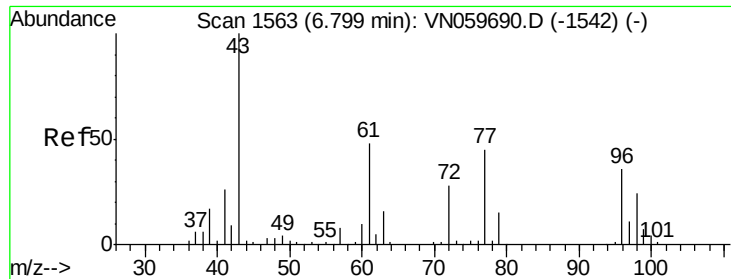
Tgt Ion: 77 Resp: 165690

Ion Ratio Lower Upper

77 100

97 23.5 10.7 31.9





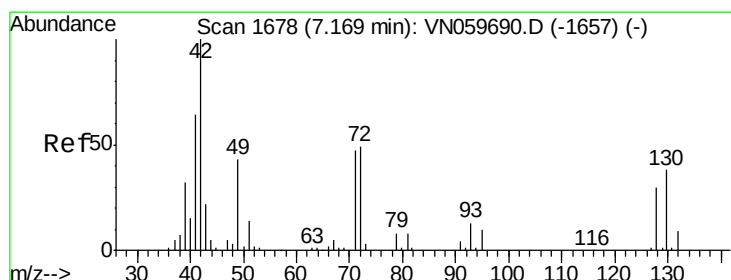
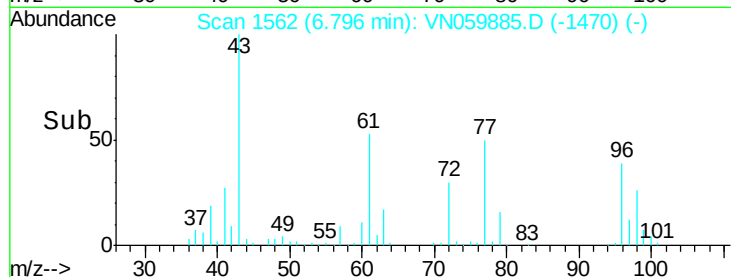
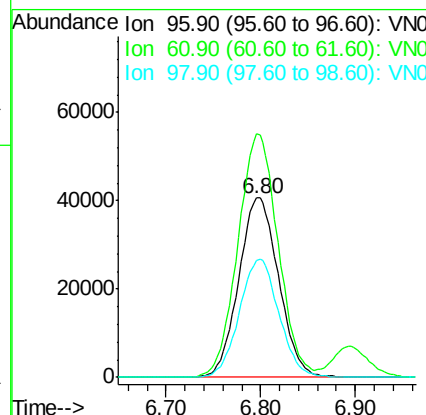
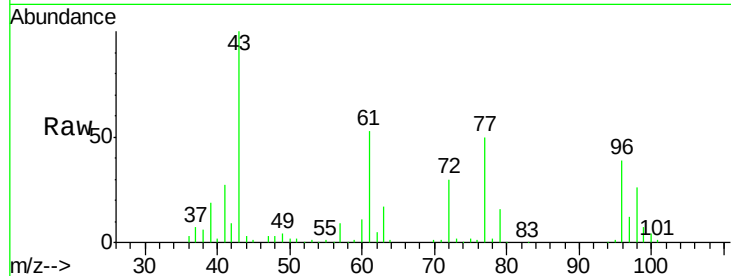
#27
 cis-1,2-Dichloroethene
 Concen: 51.194 ug/l
 RT: 6.80 min Scan# 1562
 Delta R.T. -0.00 min
 Lab File: VN059885.D
 Acq: 27 Jan 2020 20:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100	119351		
61	136.0	0.0	317.6	
98	65.2	0.0	127.0	

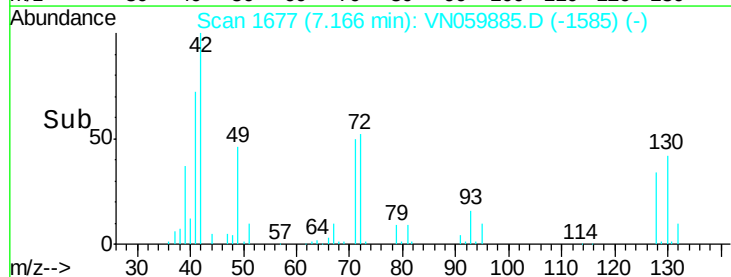
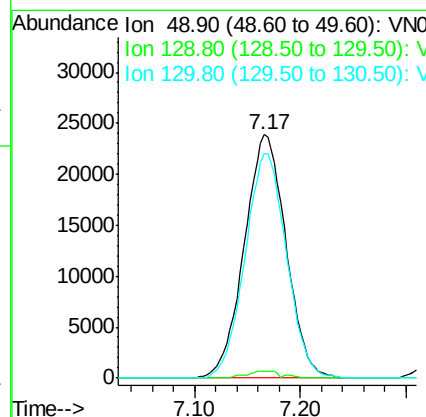
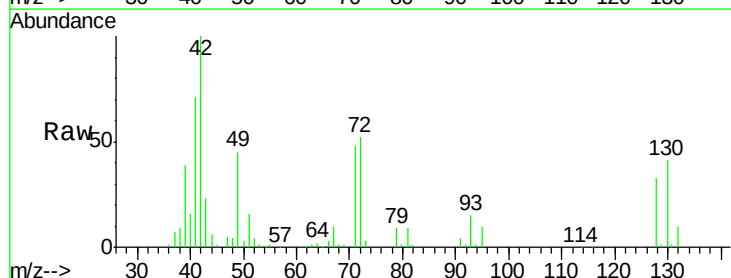
Manual Integrations
 APPROVED

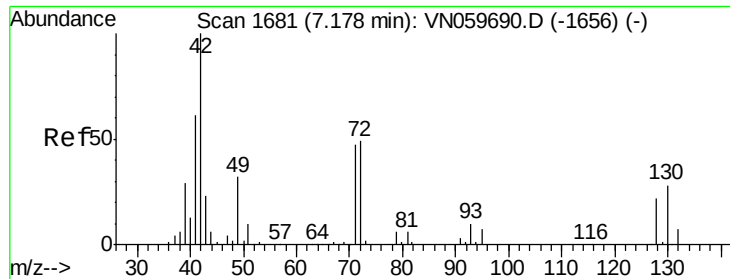
MMDadoda
 1/28/2020 9:24:56 AM



#28
 Bromochloromethane
 Concen: 46.190 ug/l
 RT: 7.17 min Scan# 1677
 Delta R.T. -0.00 min
 Lab File: VN059885.D
 Acq: 27 Jan 2020 20:09

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	65703		
129	2.0	0.0	3.4	
130	91.6	54.7	82.1#	





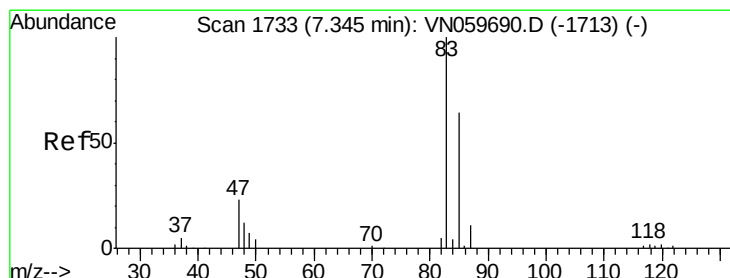
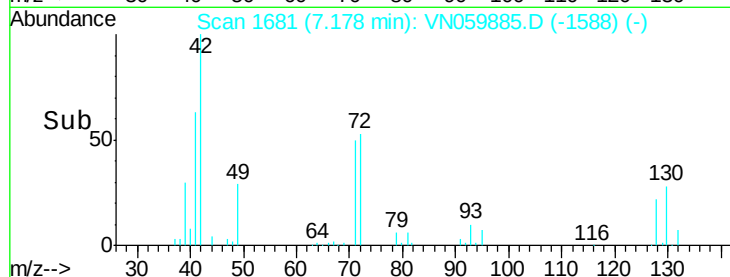
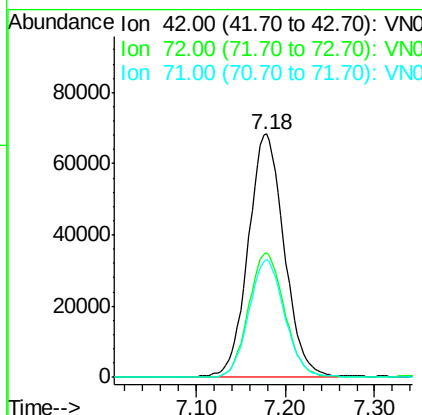
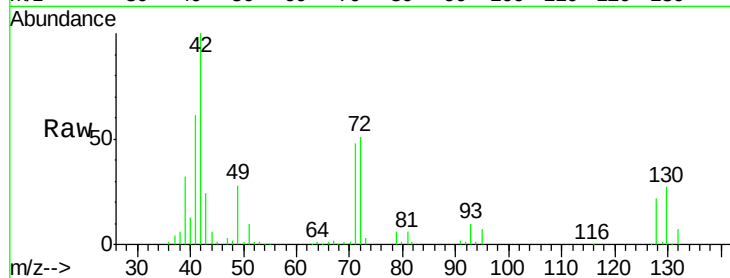
#29
Tetrahydrofuran
Concen: 236.917 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VN059885.D
Acq: 27 Jan 2020 20:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	50.9	33.1	49.7#
71	47.9	31.4	47.0#

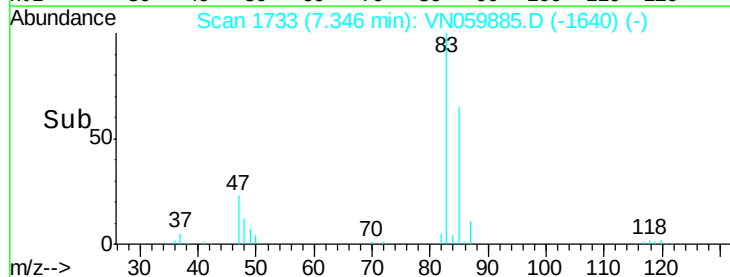
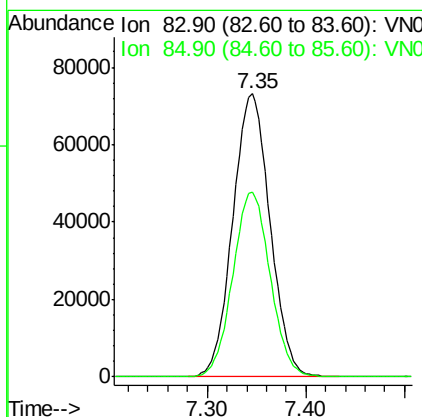
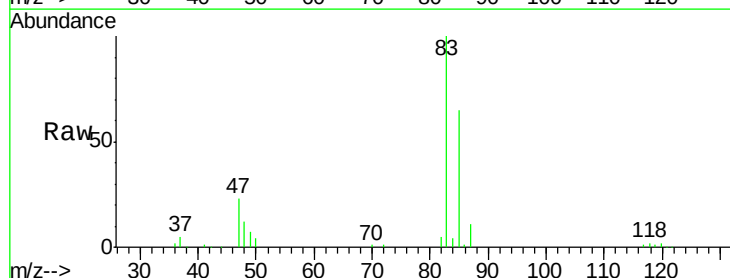
Manual Integrations
APPROVED

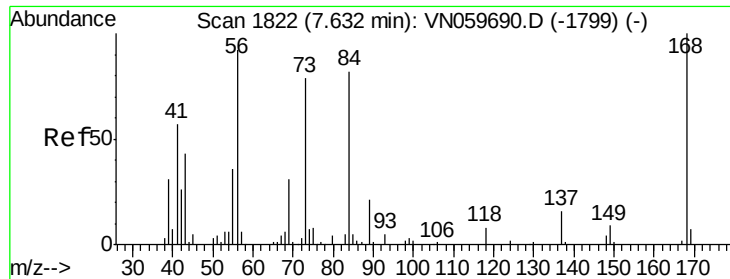
MMDadoda
1/28/2020 9:24:56 AM



#30
Chloroform
Concen: 51.902 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. 0.00 min
Lab File: VN059885.D
Acq: 27 Jan 2020 20:09

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.2	52.4	78.6





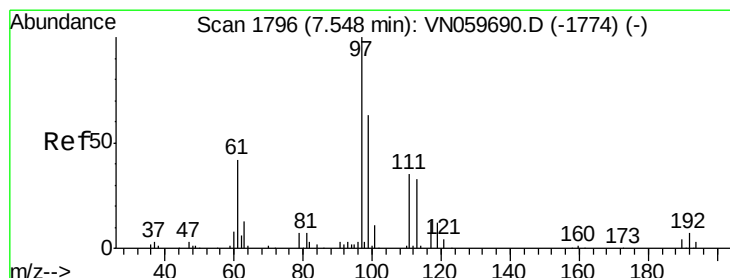
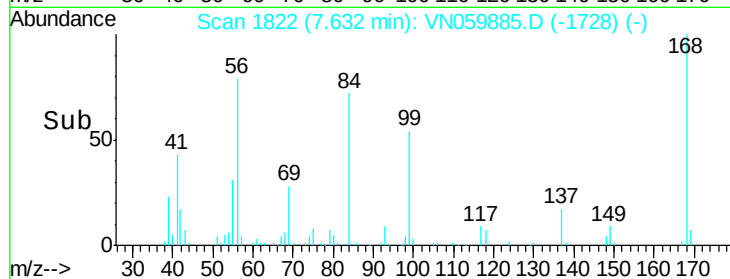
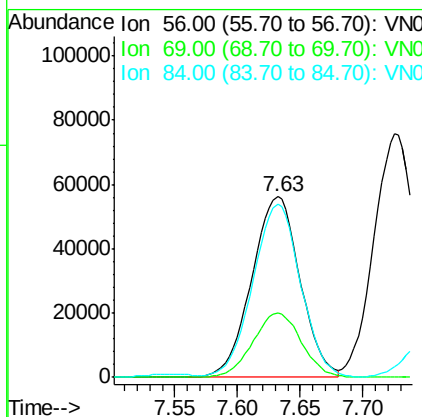
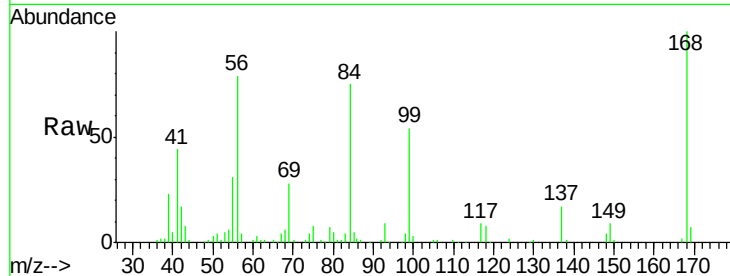
#31
Cyclohexane
Concen: 44.004 ug/l
RT: 7.63 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VN059885.D
Acq: 27 Jan 2020 20:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	35.6	26.5	39.7
84	94.2	65.3	97.9

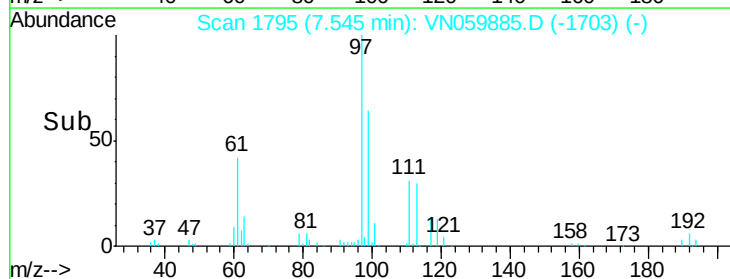
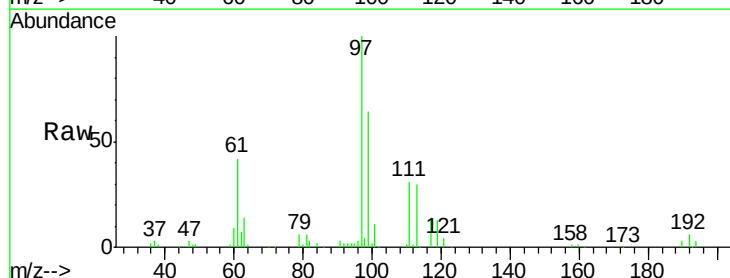
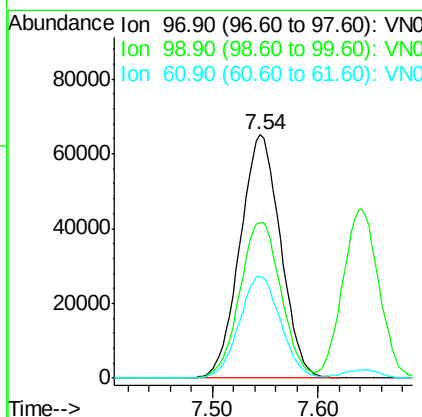
Manual Integrations
APPROVED

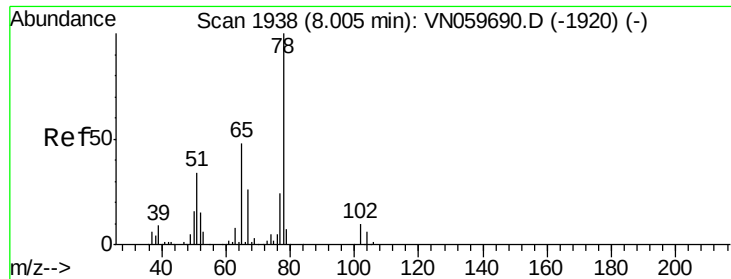
MMDadoda
1/28/2020 9:24:56 AM



#32
1,1,1-Trichloroethane
Concen: 50.992 ug/l
RT: 7.54 min Scan# 1795
Delta R.T. -0.00 min
Lab File: VN059885.D
Acq: 27 Jan 2020 20:09

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.1	51.0	76.4
61	42.6	38.5	57.7





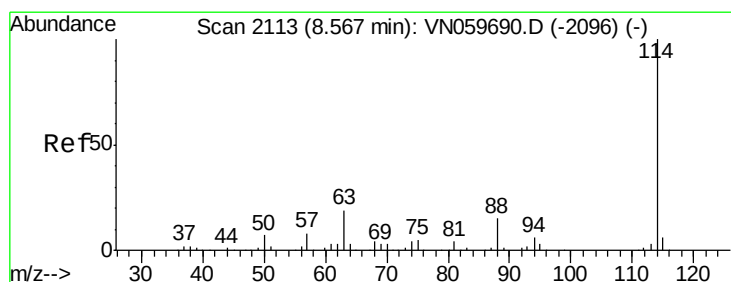
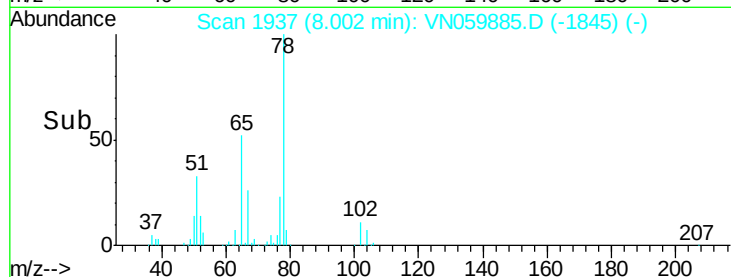
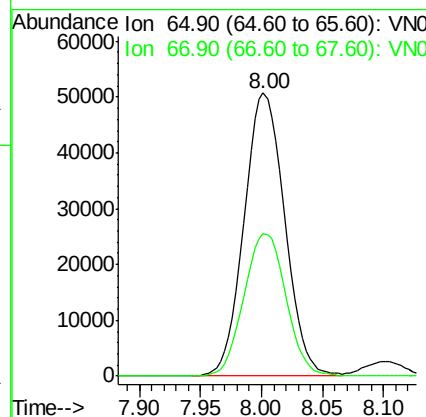
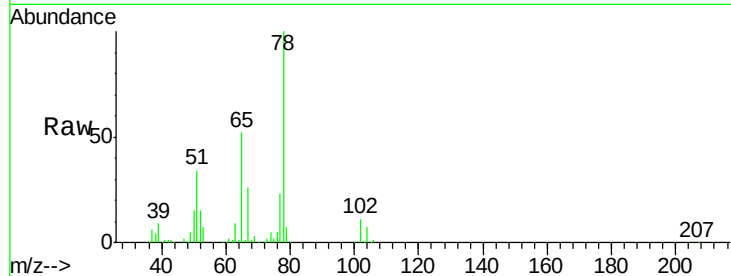
#33
 1,2-Dichloroethane-d4
 Concen: 50.590 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VN059885.D
 Acq: 27 Jan 2020 20:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 65 Resp: 117095
 Ion Ratio Lower Upper
 65 100
 67 52.0 0.0 103.0

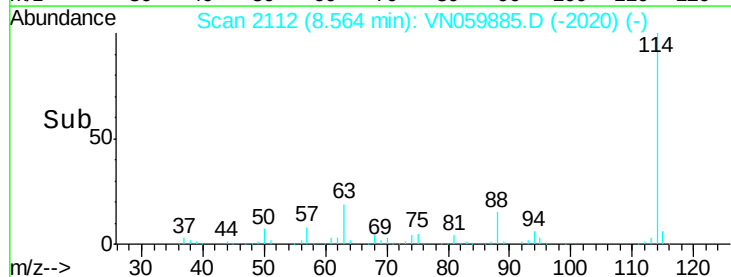
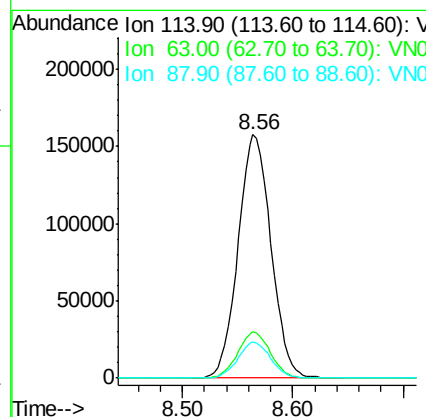
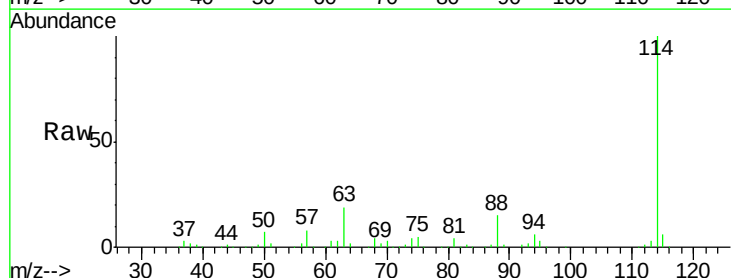
Manual Integrations
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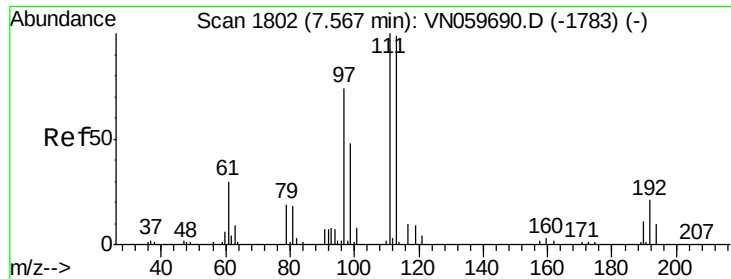
MMDadoda
 1/28/2020 9:24:56 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.56 min Scan# 2112
 Delta R.T. -0.00 min
 Lab File: VN059885.D
 Acq: 27 Jan 2020 20:09

Tgt Ion: 114 Resp: 325450
 Ion Ratio Lower Upper
 114 100
 63 18.9 0.0 43.6
 88 15.0 0.0 31.4





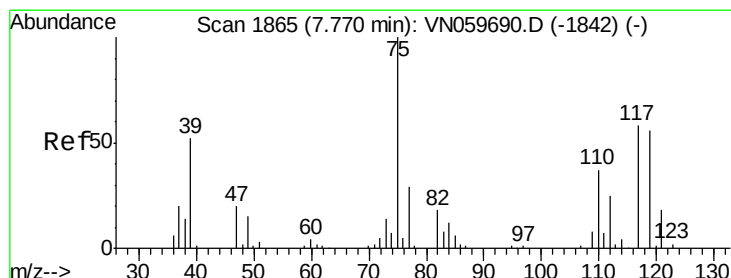
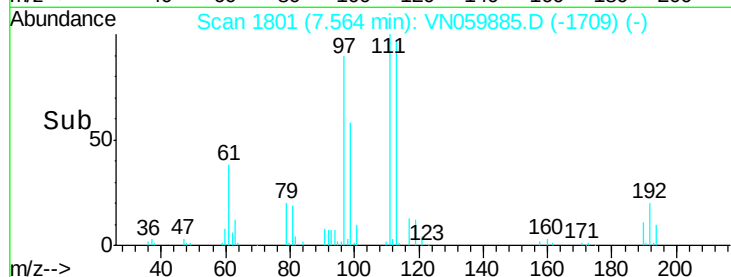
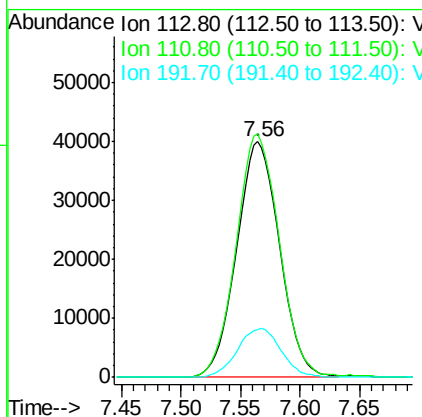
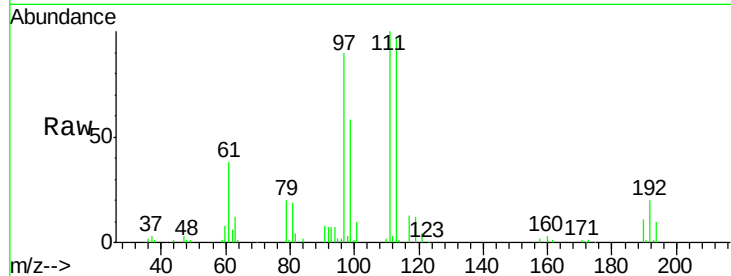
#35
 Dibromofluoromethane
 Concen: 51.582 ug/l
 RT: 7.56 min Scan# 1801
 Delta R.T. -0.00 min
 Lab File: VN059885.D
 Acq: 27 Jan 2020 20:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	100110		
111	103.7		83.5	125.3
192	20.9		15.4	23.2

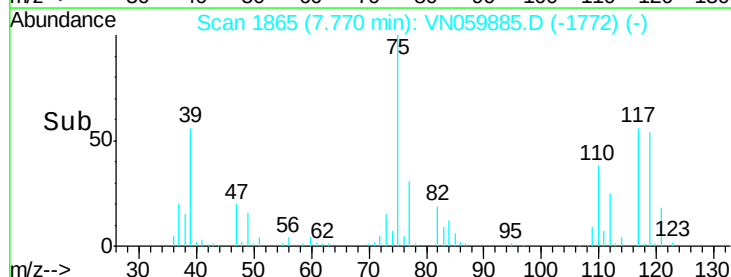
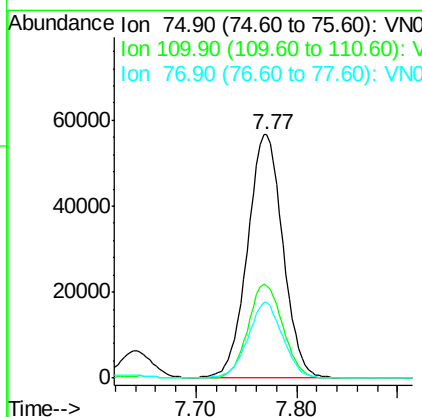
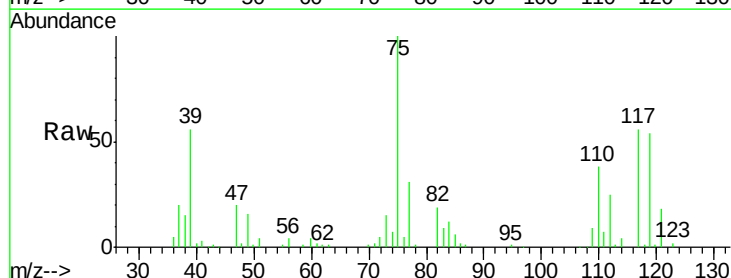
Manual Integrations
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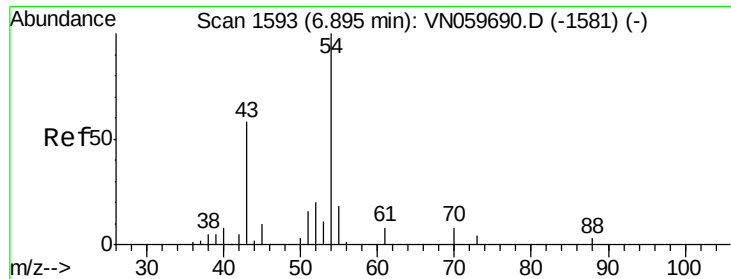
MMDadoda
 1/28/2020 9:24:56 AM



#36
 1,1-Dichloropropene
 Concen: 48.659 ug/l
 RT: 7.77 min Scan# 1865
 Delta R.T. 0.00 min
 Lab File: VN059885.D
 Acq: 27 Jan 2020 20:09

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	137905		
110	37.7		16.6	49.7
77	30.7		25.1	37.7





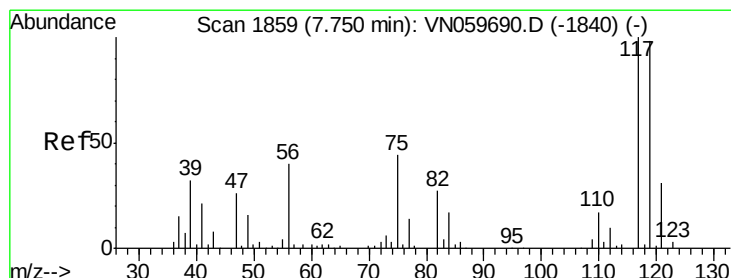
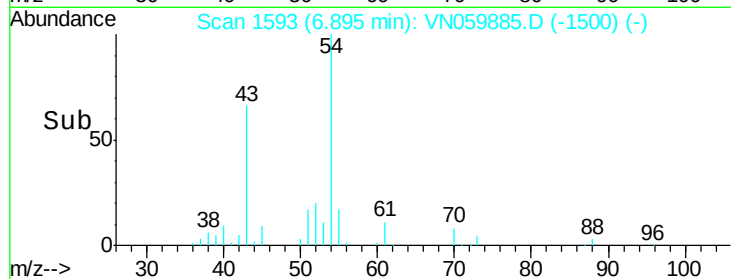
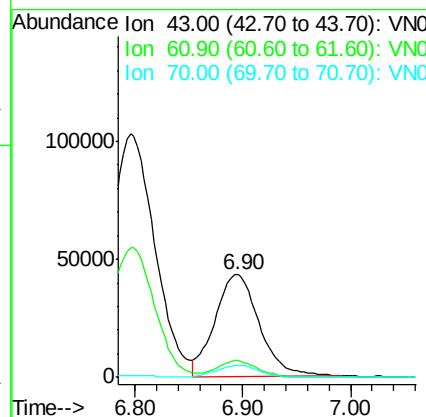
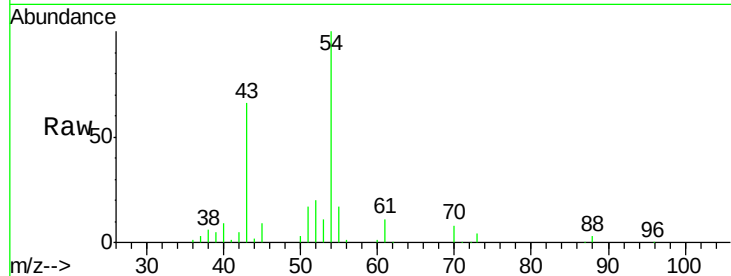
#37
Ethyl Acetate
Concen: 46.440 ug/l
RT: 6.90 min Scan# 1593
Delta R.T. 0.00 min
Lab File: VN059885.D
Acq: 27 Jan 2020 20:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.3	10.9	16.3
70	11.7	7.7	11.5

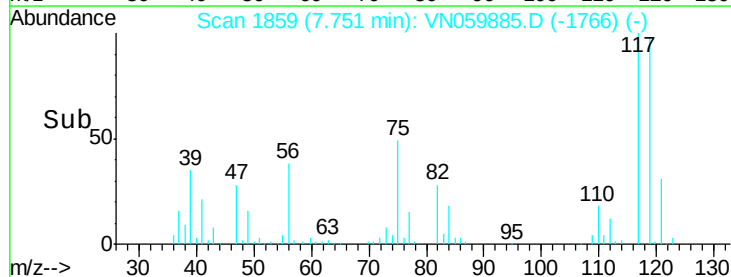
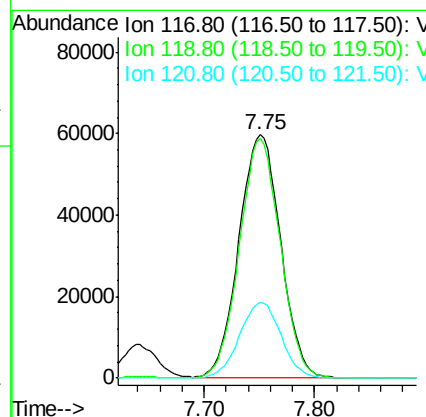
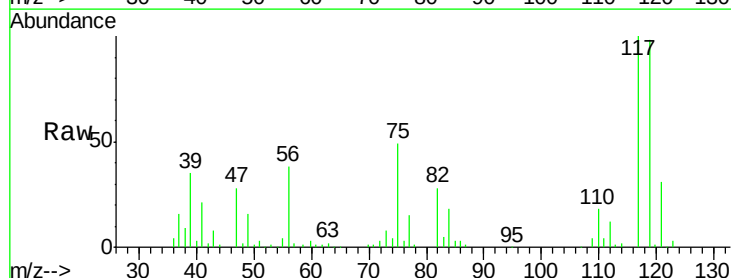
Manual Integrations
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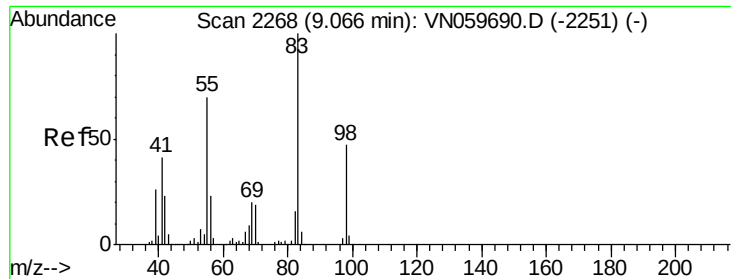
MMDadoda
1/28/2020 9:24:56 AM



#38
Carbon Tetrachloride
Concen: 50.827 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. 0.00 min
Lab File: VN059885.D
Acq: 27 Jan 2020 20:09

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.2	76.5	114.7
121	31.0	25.1	37.7





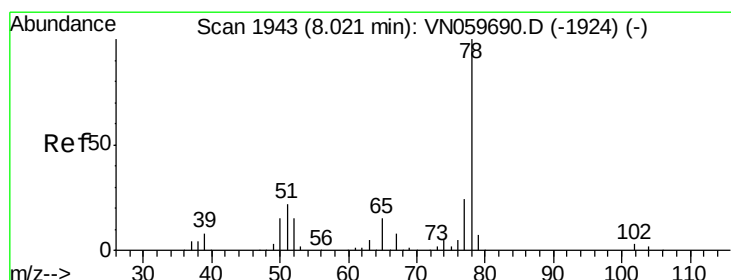
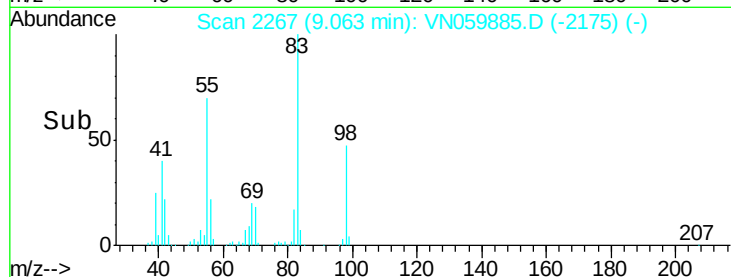
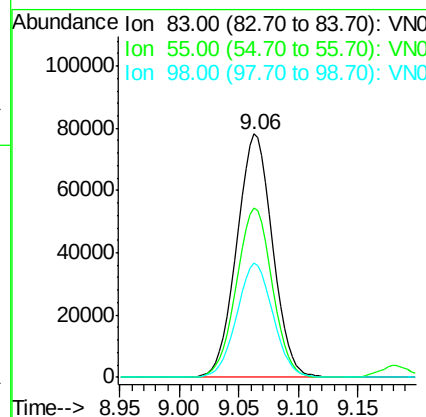
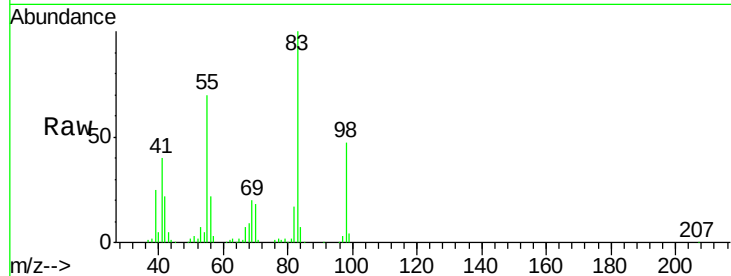
#39
Methylvlcyclohexane
Concen: 46.661 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. -0.00 min
Lab File: VN059885.D
Acq: 27 Jan 2020 20:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	69.5	64.2	96.2
98	46.8	35.9	53.9

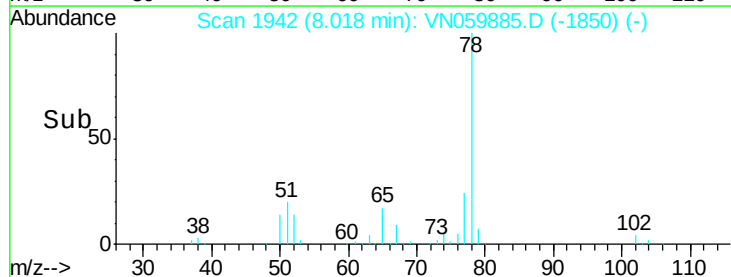
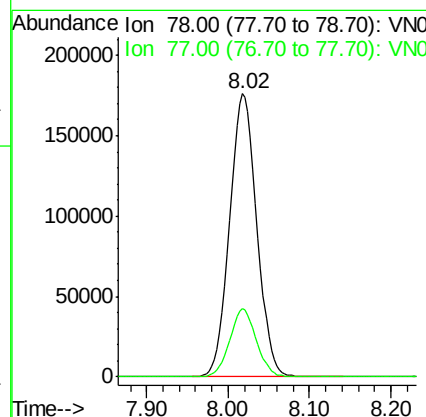
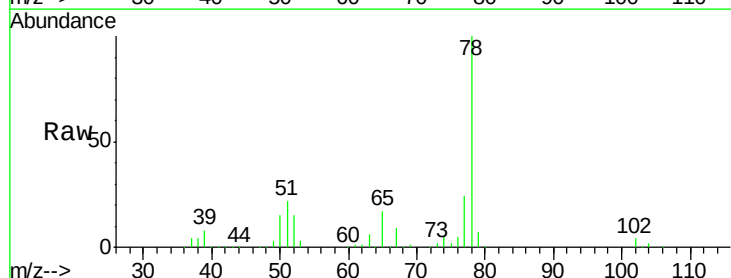
Manual Integrations
APPROVED

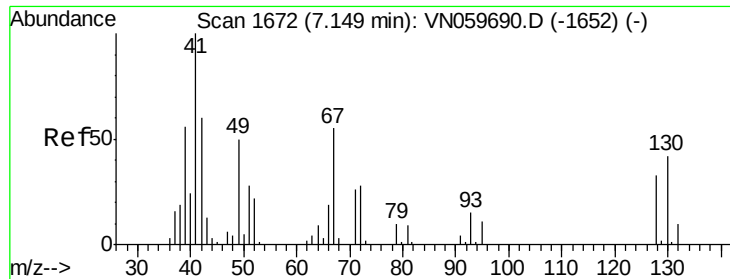
MMDadoda
1/28/2020 9:24:56 AM



#40
Benzene
Concen: 48.806 ug/l
RT: 8.02 min Scan# 1942
Delta R.T. -0.00 min
Lab File: VN059885.D
Acq: 27 Jan 2020 20:09

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.1	18.9	28.3





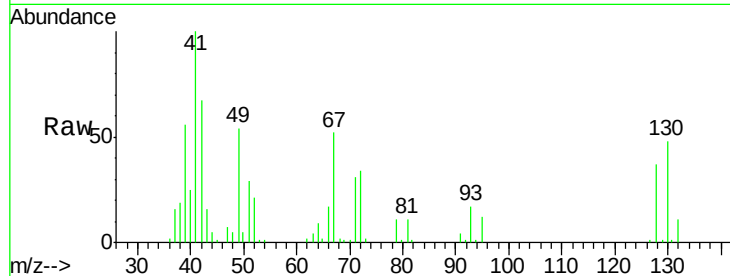
#41
Methacrylonitrile
Concen: 45.713 ug/l m
RT: 7.15 min Scan# 1672
Delta R.T. 0.00 min
Lab File: VN059885.D
Acq: 27 Jan 2020 20:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	41	Resp	59852
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
APPROVED

MMDadoda
1/28/2020 9:24:56 AM

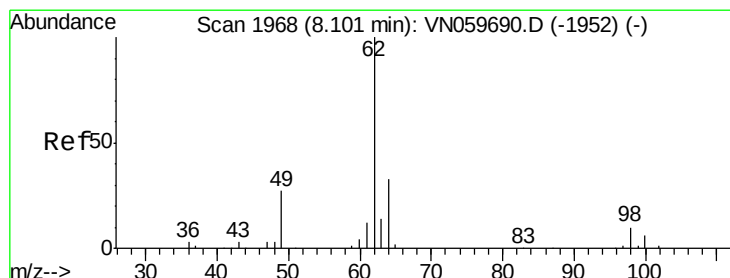
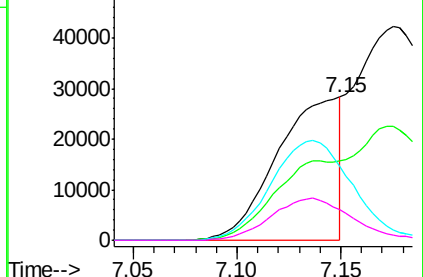
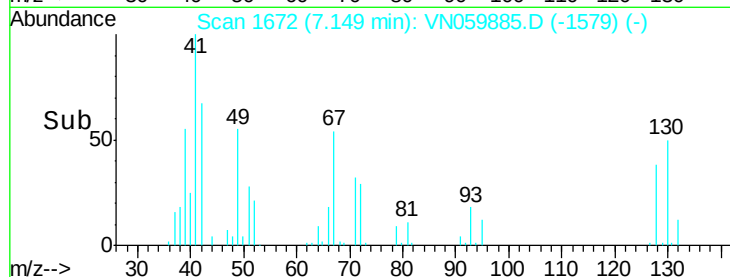


Abundance Ion 41.00 (40.70 to 41.70): VN059885.D (-1579) (-)

Ion 39.00 (38.70 to 39.70): VN059885.D (-1579) (-)

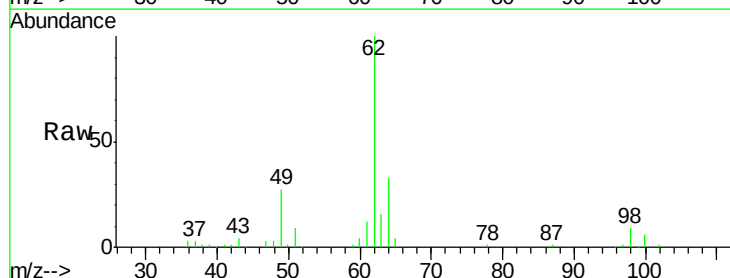
Ion 67.00 (66.70 to 67.70): VN059885.D (-1579) (-)

Ion 52.00 (51.70 to 52.70): VN059885.D (-1579) (-)



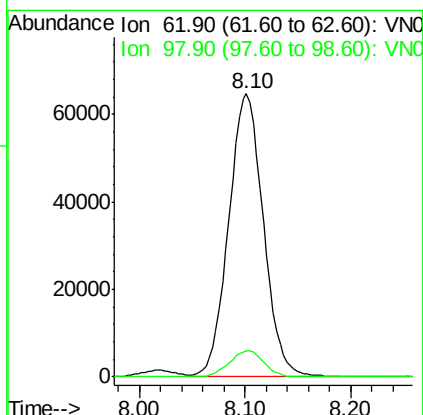
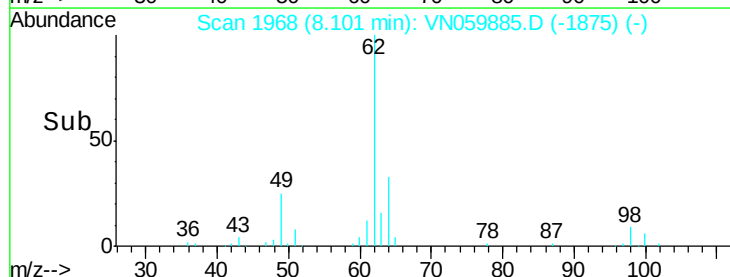
#42
1,2-Dichloroethane
Concen: 51.627 ug/l
RT: 8.10 min Scan# 1968
Delta R.T. 0.00 min
Lab File: VN059885.D
Acq: 27 Jan 2020 20:09

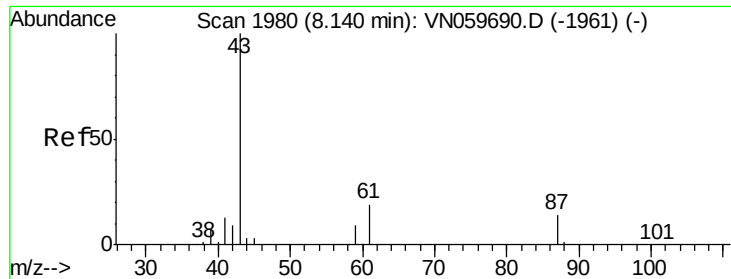
Tgt Ion	62	Resp	147955
Ion	Ratio	Lower	Upper
62	100		
98	9.1	0.0	15.8



Abundance Ion 61.90 (61.60 to 62.60): VN059885.D (-1875) (-)

Ion 97.90 (97.60 to 98.60): VN059885.D (-1875) (-)





#43

Isopropyl Acetate

Concen: 47.456 ug/l

RT: 8.14 min Scan# 1980

Delta R.T. 0.00 min

Lab File: VN059885.D

Acq: 27 Jan 2020 20:09

Instrument :

MSVOA_N

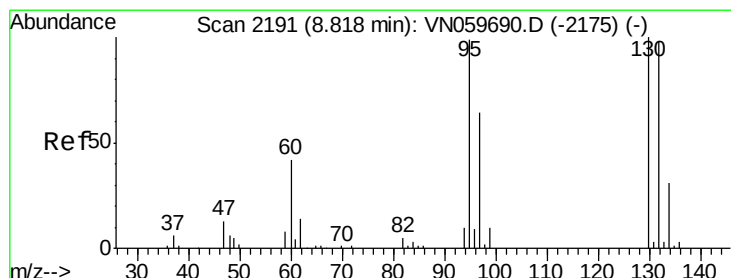
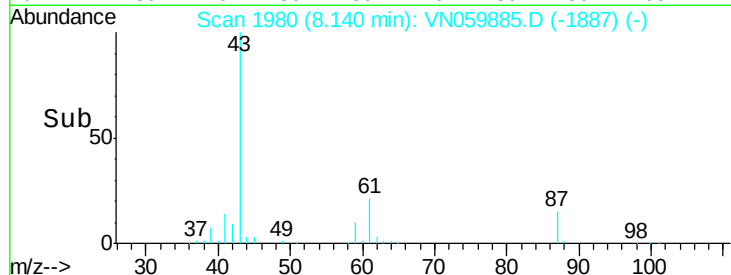
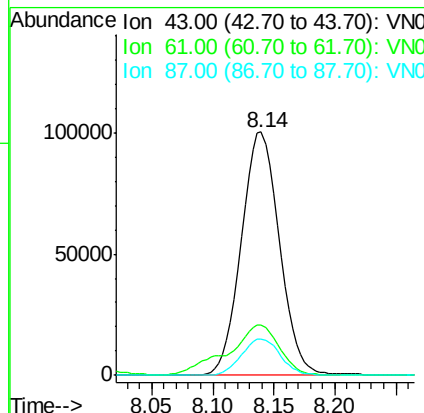
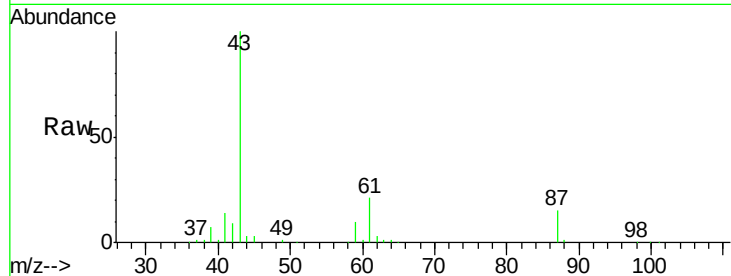
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	216977
Ion	Ratio	Lower	Upper
43	100		
61	27.9	20.2	30.2
87	15.2	9.5	14.3#

Manual Integrations
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#44

Trichloroethene

Concen: 50.343 ug/l

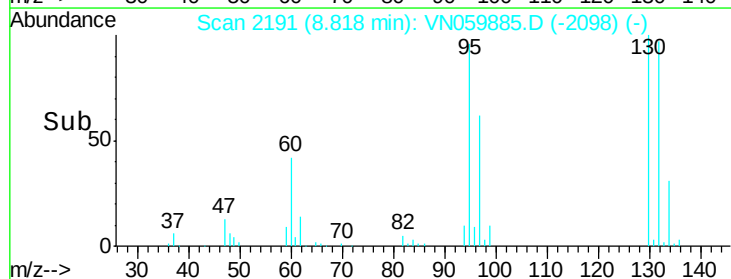
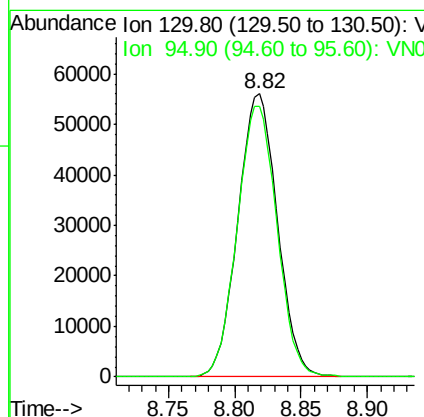
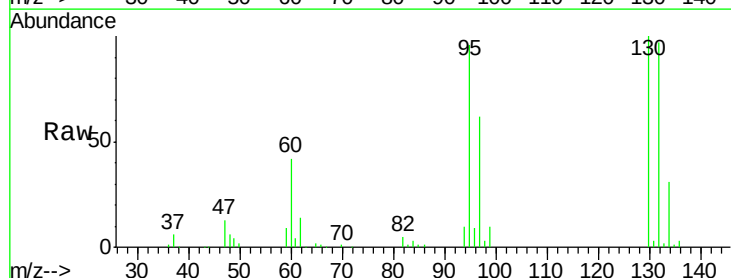
RT: 8.82 min Scan# 2191

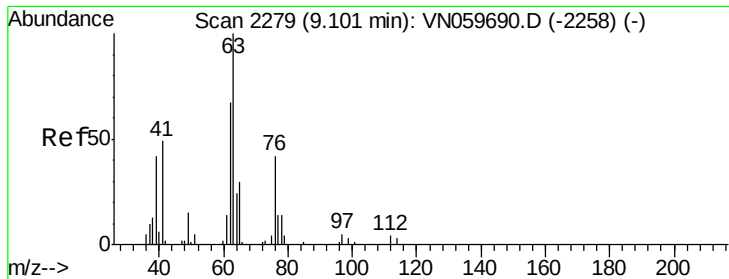
Delta R.T. 0.00 min

Lab File: VN059885.D

Acq: 27 Jan 2020 20:09

Tgt Ion:	130	Resp:	116162
Ion	Ratio	Lower	Upper
130	100		
95	95.7	0.0	207.0





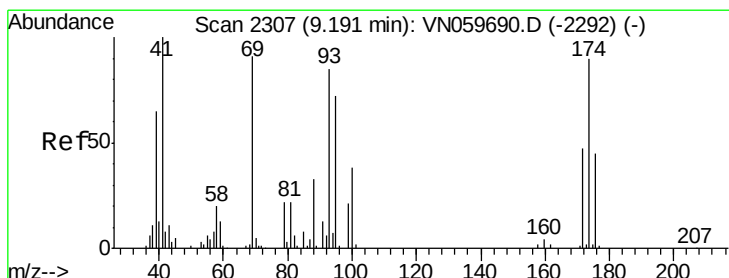
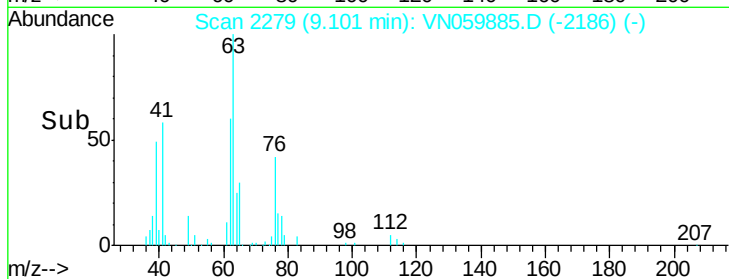
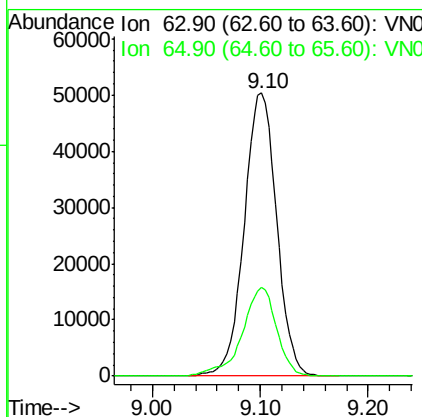
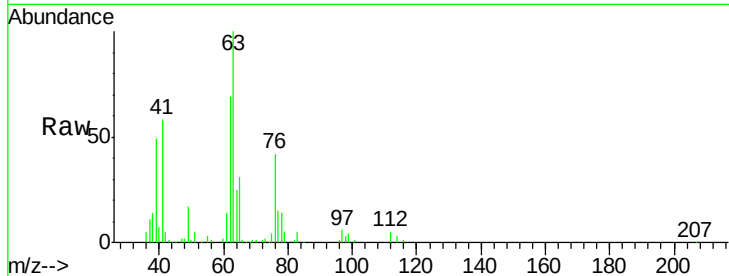
#45
 1,2-Dichloropropane
 Concen: 50.427 ug/l
 RT: 9.10 min Scan# 2279
 Delta R.T. 0.00 min
 Lab File: VN059885.D
 Acq: 27 Jan 2020 20:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.2	24.9	37.3

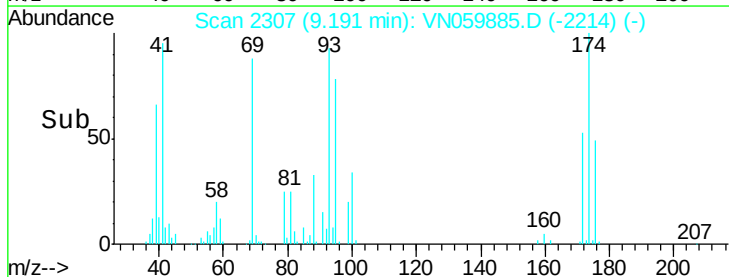
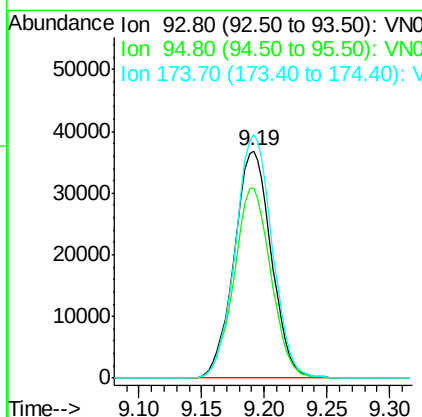
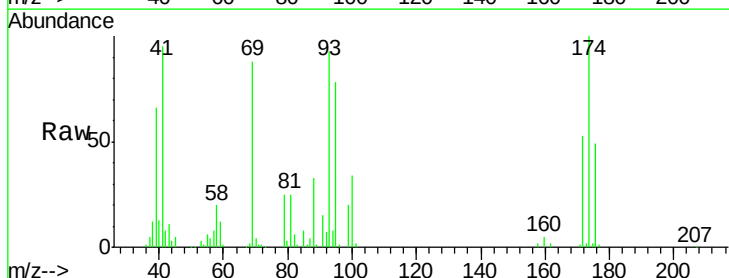
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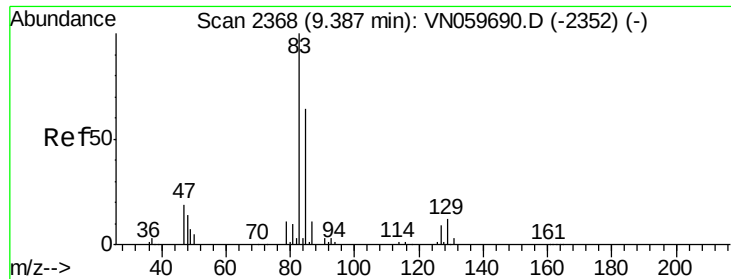
MMDadoda
 1/28/2020 9:24:56 AM



#46
 Dibromomethane
 Concen: 51.319 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. 0.00 min
 Lab File: VN059885.D
 Acq: 27 Jan 2020 20:09

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.0	67.0	100.6
174	106.2	73.4	110.2





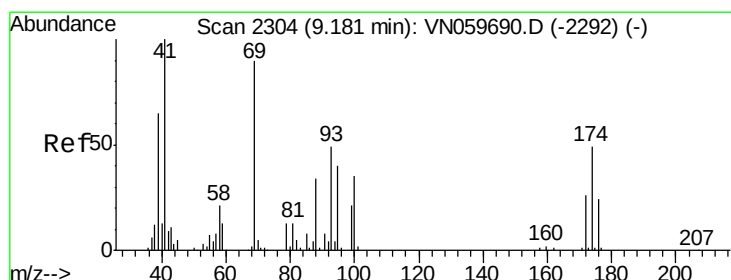
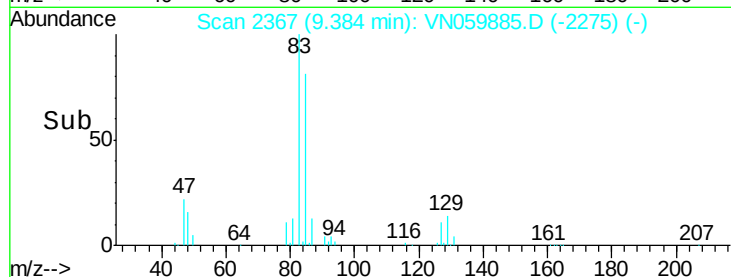
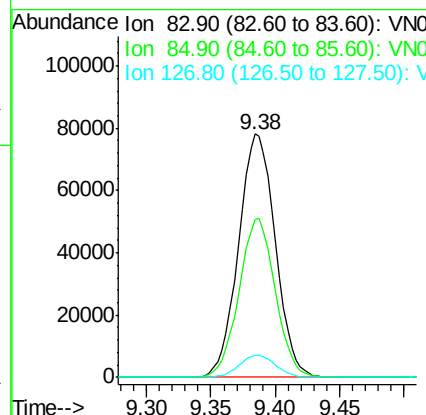
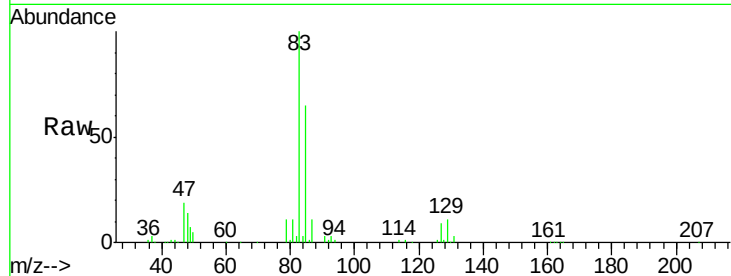
#47
Bromodichloromethane
Concen: 52.025 ug/l
RT: 9.38 min Scan# 2367
Delta R.T. -0.00 min
Lab File: VN059885.D
Acq: 27 Jan 2020 20:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
85	64.8	51.1	76.7
127	9.0	6.6	9.8

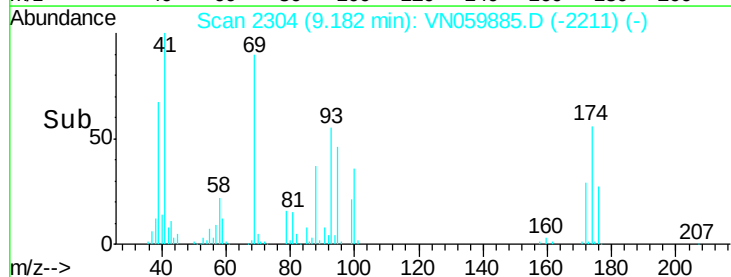
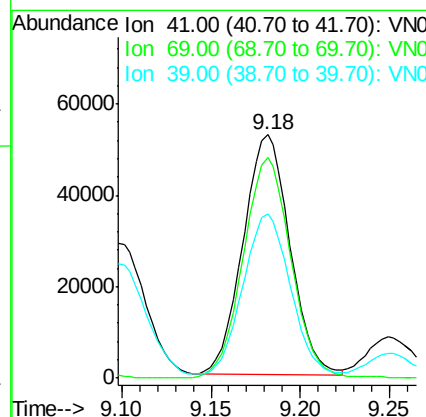
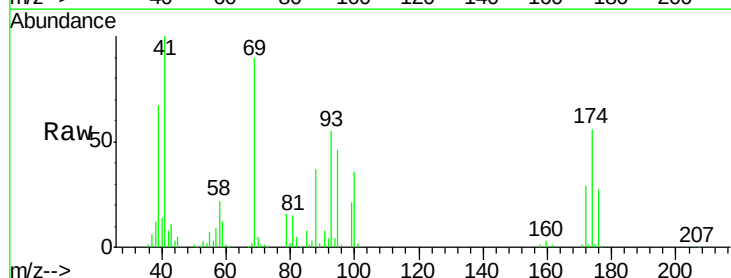
Manual Integrations
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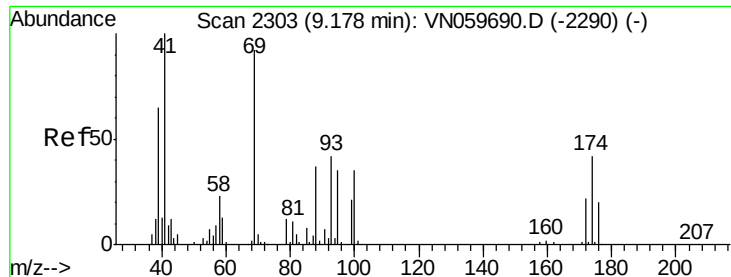
MMDadoda
1/28/2020 9:24:56 AM



#48
Methyl methacrylate
Concen: 47.156 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. 0.00 min
Lab File: VN059885.D
Acq: 27 Jan 2020 20:09

Tgt Ion	Ratio	Lower	Upper
41	100		
69	94.2	64.4	96.6
39	71.0	51.3	76.9





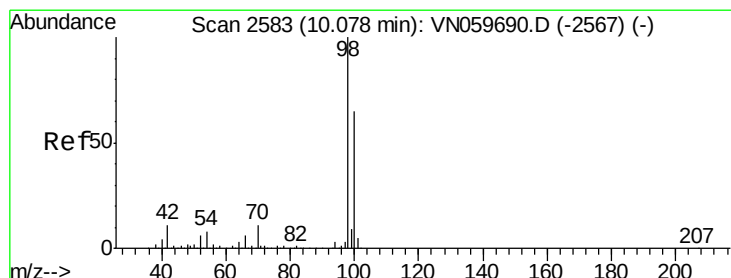
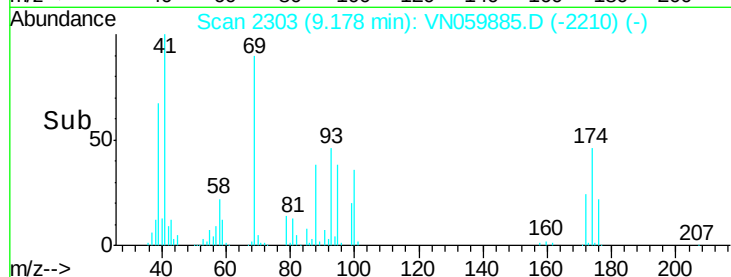
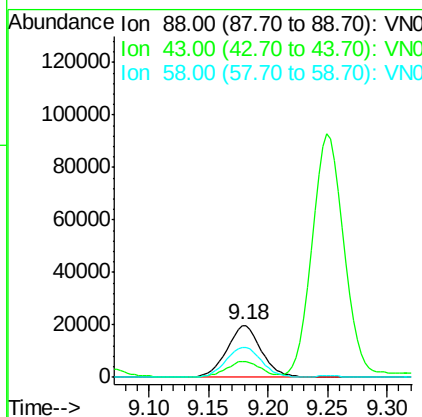
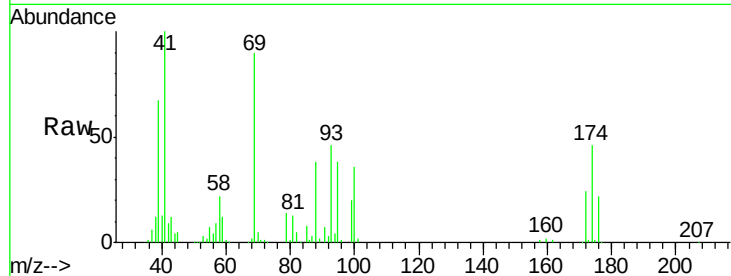
#49
1,4-Dioxane
Concen: 1053.053 ug/l
RT: 9.18 min Scan# 2303
Delta R.T. 0.00 min
Lab File: VN059885.D
Acq: 27 Jan 2020 20:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	88	Resp	39425
Ion	Ratio	Lower	Upper
88	100		
43	29.6	29.7	44.5#
58	60.6	56.6	85.0

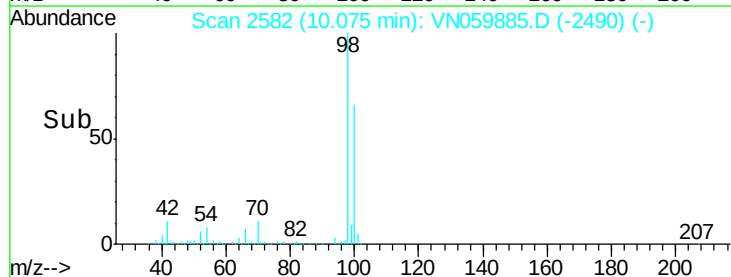
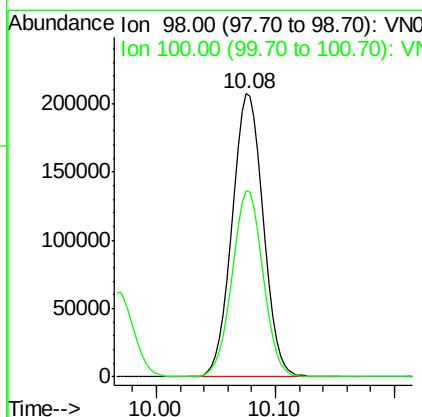
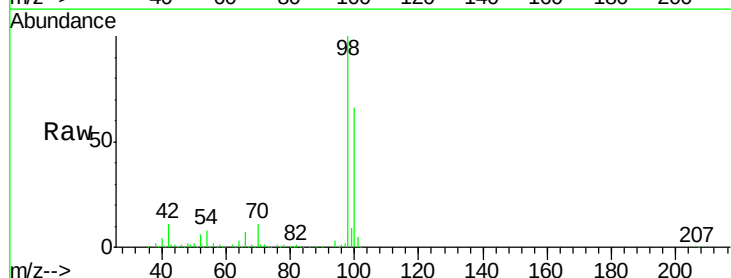
Manual Integrations
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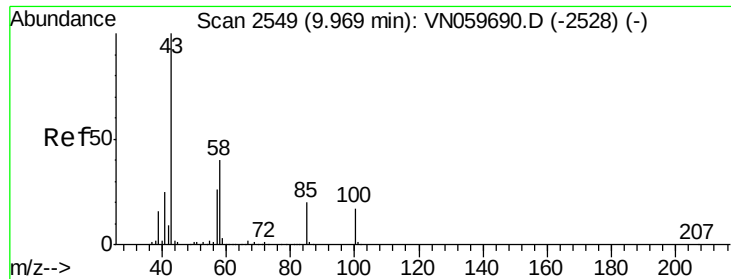
MMDadoda
1/28/2020 9:24:56 AM



#50
Toluene-d8
Concen: 49.983 ug/l
RT: 10.08 min Scan# 2582
Delta R.T. -0.00 min
Lab File: VN059885.D
Acq: 27 Jan 2020 20:09

Tgt Ion	98	Resp	375851
Ion	Ratio	Lower	Upper
98	100		
100	65.3	51.2	76.8





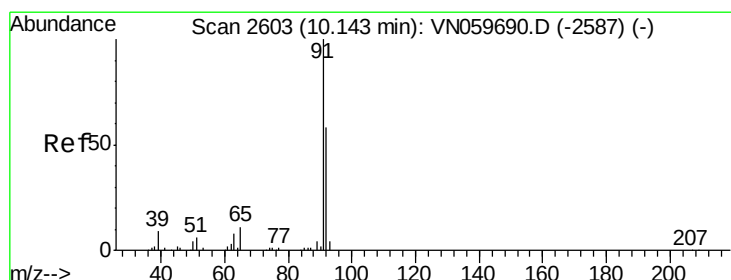
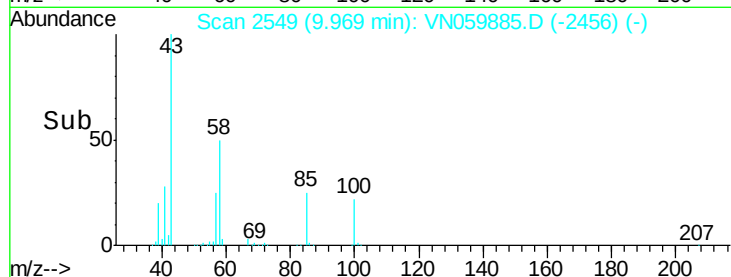
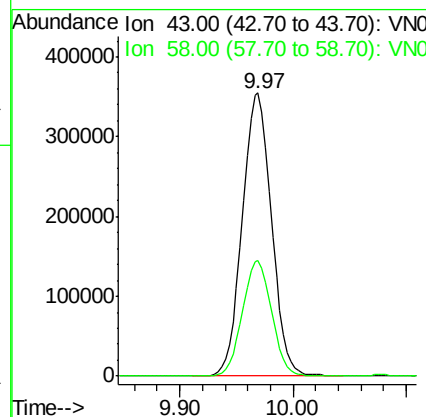
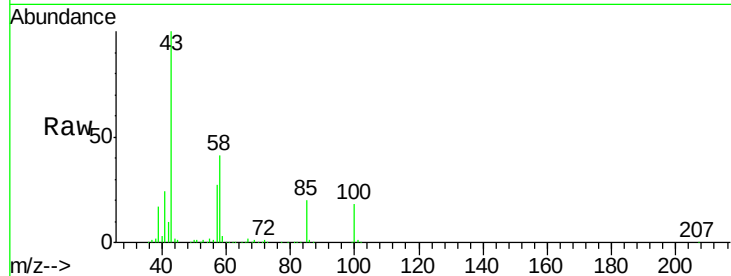
#51
4-Methyl-2-Pentanone
Concen: 240.814 ug/l
RT: 9.97 min Scan# 2549
Delta R.T. 0.00 min
Lab File: VN059885.D
Acq: 27 Jan 2020 20:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	43	Resp	636479
Ion Ratio	100	Lower	Upper
43	100		
58	41.0	29.8	44.8

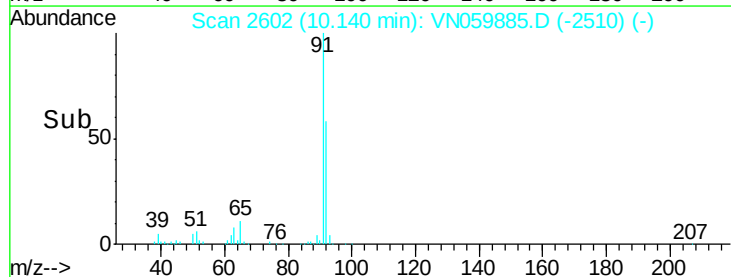
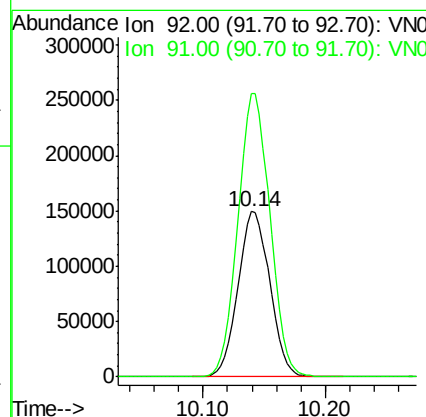
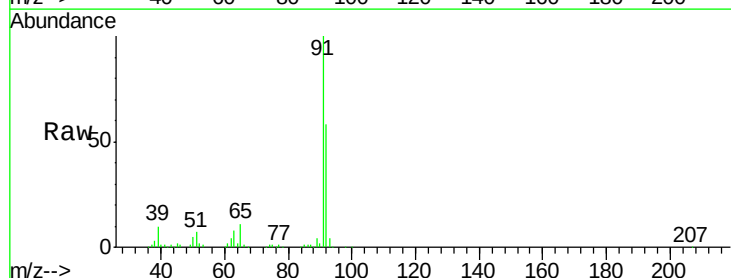
Manual Integrations
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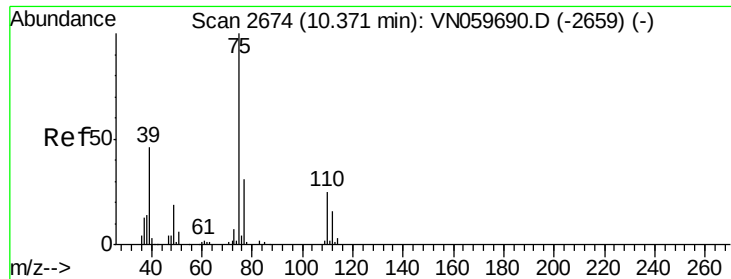
MMDadoda
1/28/2020 9:24:56 AM



#52
Toluene
Concen: 50.592 ug/l
RT: 10.14 min Scan# 2602
Delta R.T. -0.00 min
Lab File: VN059885.D
Acq: 27 Jan 2020 20:09

Tgt Ion	92	Resp	270110
Ion Ratio	100	Lower	Upper
92	100		
91	172.9	140.4	210.6





#53

t-1,3-Dichloropropene

Concen: 51.101 ug/l

RT: 10.37 min Scan# 2673

Delta R.T. -0.00 min

Lab File: VN059885.D

Acq: 27 Jan 2020 20:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 169646

Ion Ratio Lower Upper

75 100

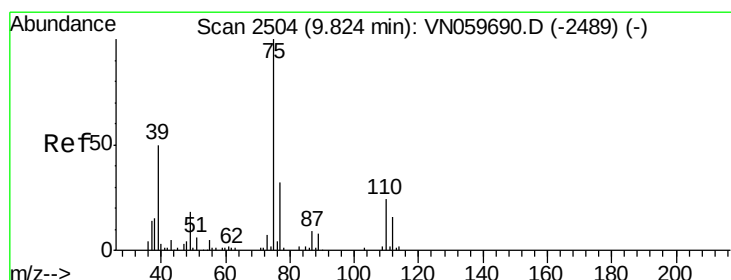
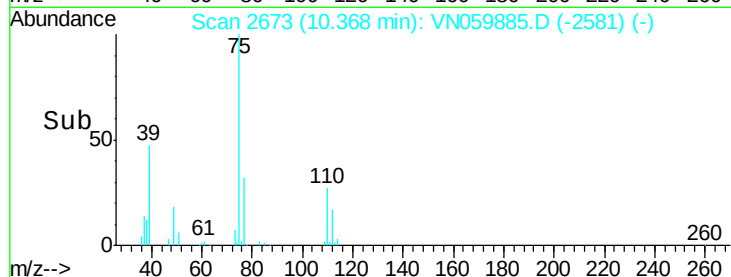
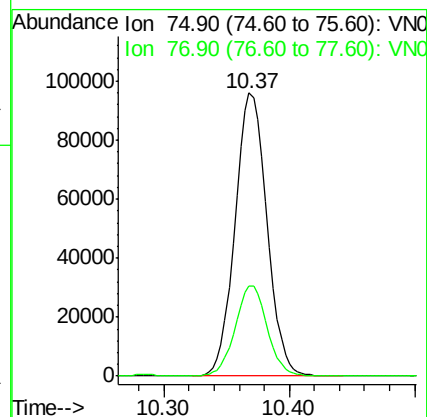
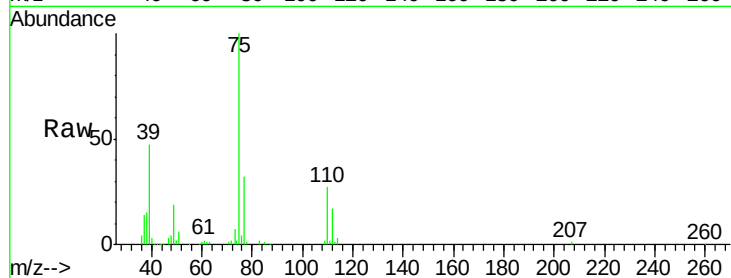
77 31.7 25.4 38.2

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 51.300 ug/l

RT: 9.82 min Scan# 2504

Delta R.T. 0.00 min

Lab File: VN059885.D

Acq: 27 Jan 2020 20:09

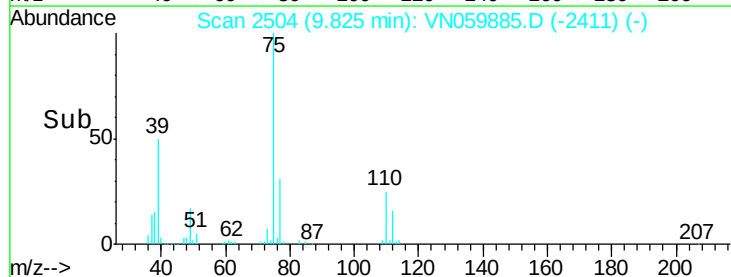
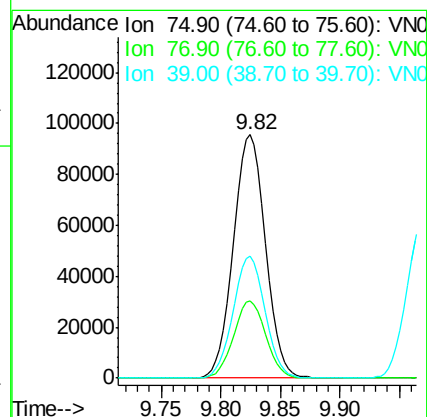
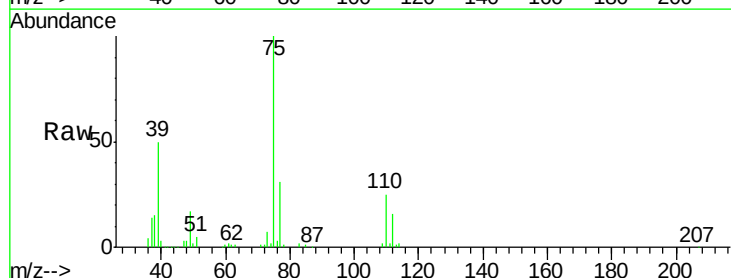
Tgt Ion: 75 Resp: 179193

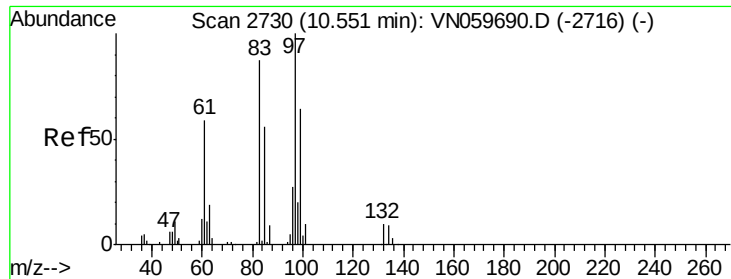
Ion Ratio Lower Upper

75 100

77 31.5 25.1 37.7

39 50.1 46.1 69.1





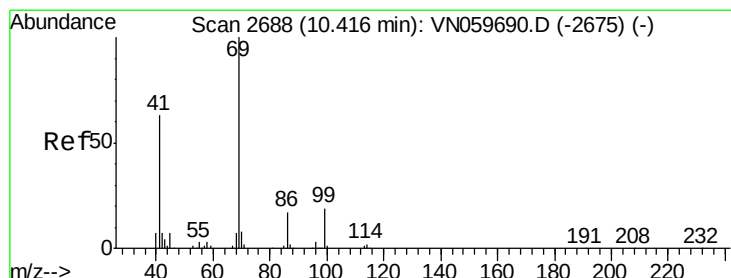
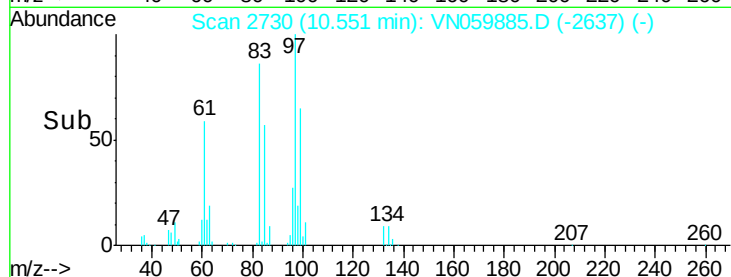
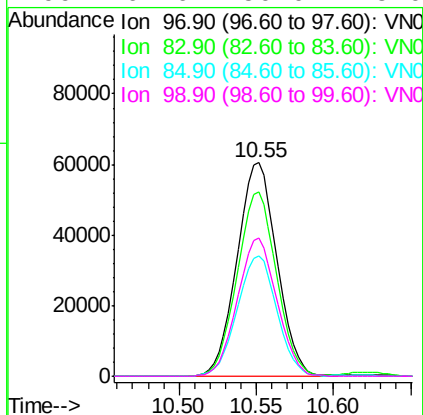
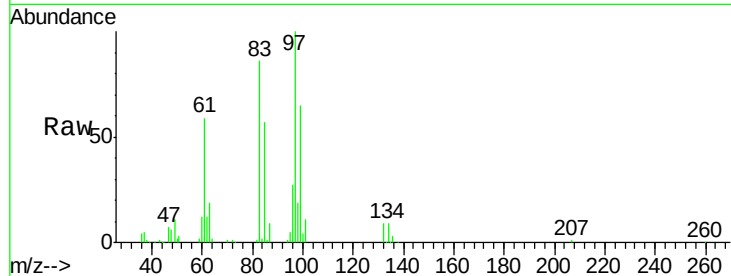
#55
 1,1,2-Trichloroethane
 Concen: 51.356 ug/l
 RT: 10.55 min Scan# 2730
 Delta R.T. 0.00 min
 Lab File: VN059885.D
 Acq: 27 Jan 2020 20:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	108593
Ion	Ratio	Lower	Upper
97	100		
83	86.2	71.3	106.9
85	56.5	45.8	68.8
99	64.6	50.0	75.0

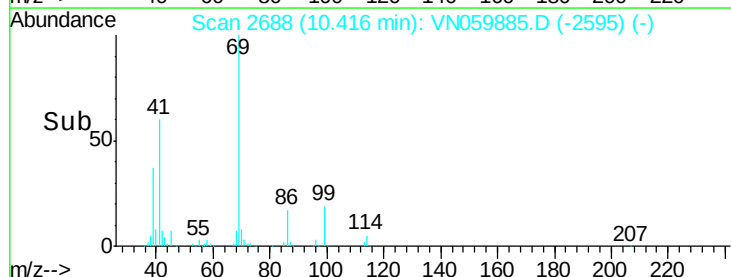
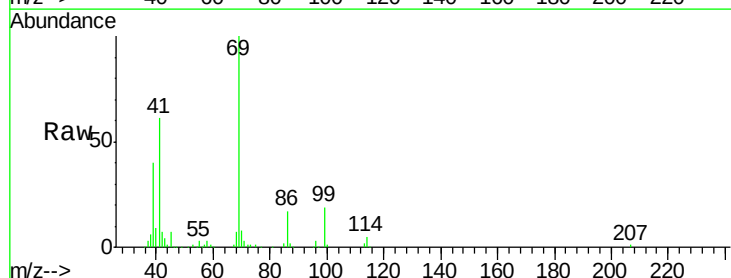
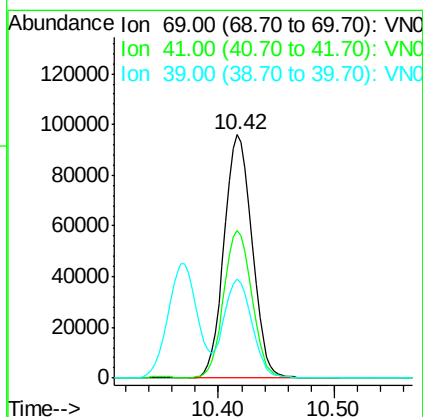
Manual Integrations
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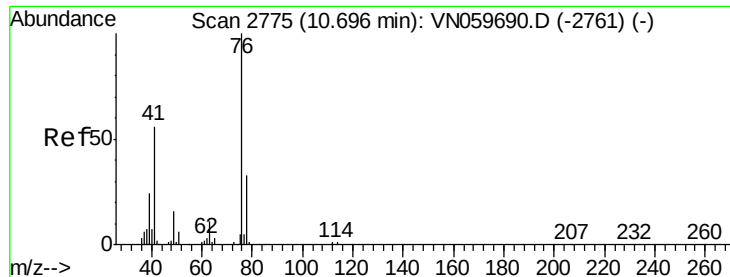
MMDadoda
 1/28/2020 9:24:56 AM



#56
 Ethyl methacrylate
 Concen: 49.638 ug/l
 RT: 10.42 min Scan# 2688
 Delta R.T. 0.00 min
 Lab File: VN059885.D
 Acq: 27 Jan 2020 20:09

Tgt Ion:	69	Resp:	160381
Ion	Ratio	Lower	Upper
69	100		
41	60.4	57.1	85.7
39	40.9	34.7	52.1





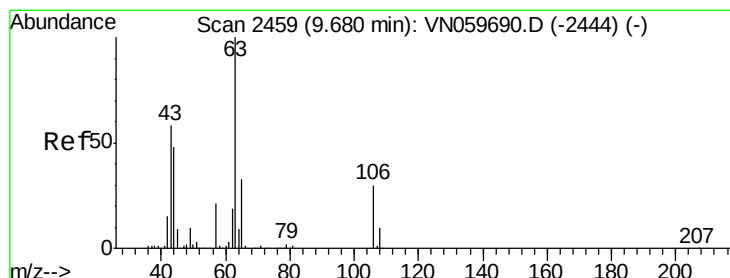
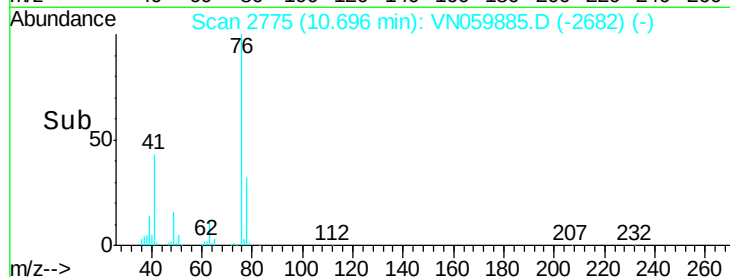
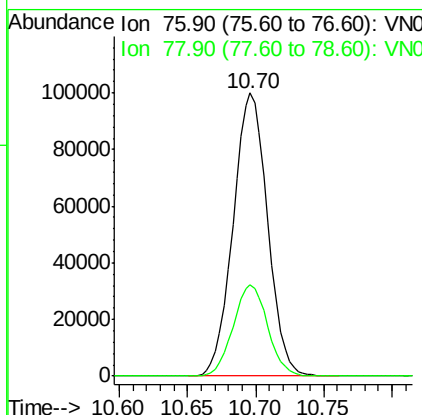
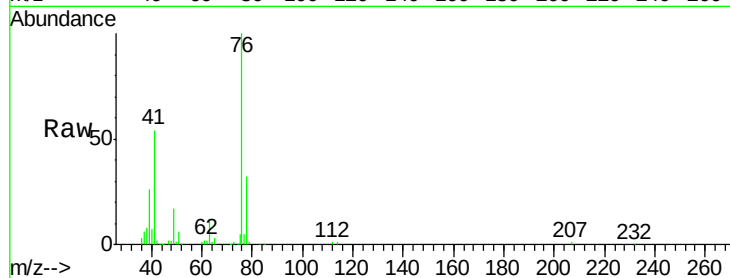
#57
 1,3-Dichloropropane
 Concen: 52.200 ug/l
 RT: 10.70 min Scan# 2775
 Delta R.T. 0.00 min
 Lab File: VN059885.D
 Acq: 27 Jan 2020 20:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.1	25.8	38.8

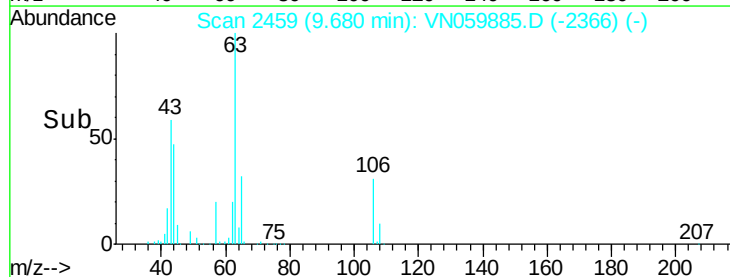
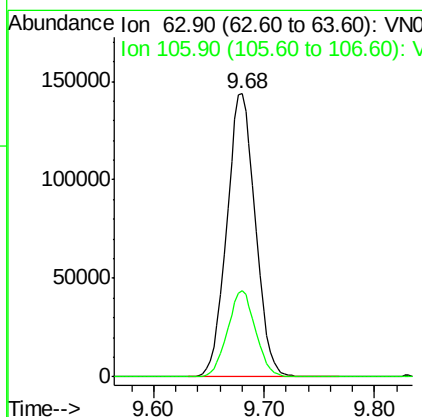
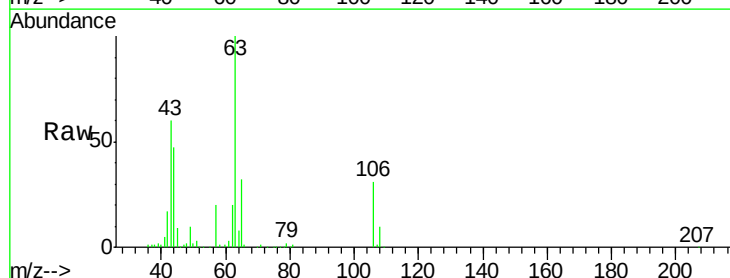
Manual Integrations
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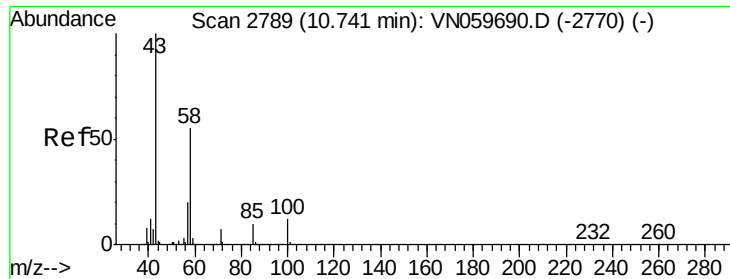
MMDadoda
 1/28/2020 9:24:56 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 264.382 ug/l
 RT: 9.68 min Scan# 2459
 Delta R.T. 0.00 min
 Lab File: VN059885.D
 Acq: 27 Jan 2020 20:09

Tgt Ion	Ratio	Lower	Upper
63	100		
106	29.9	20.2	30.2





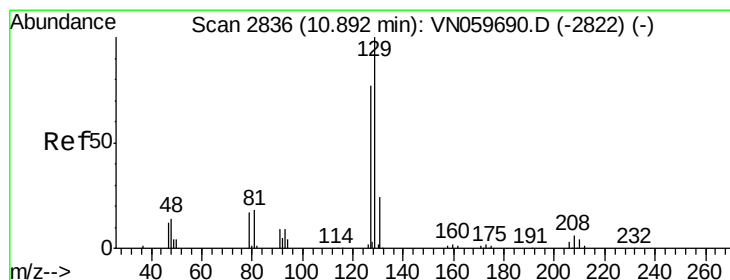
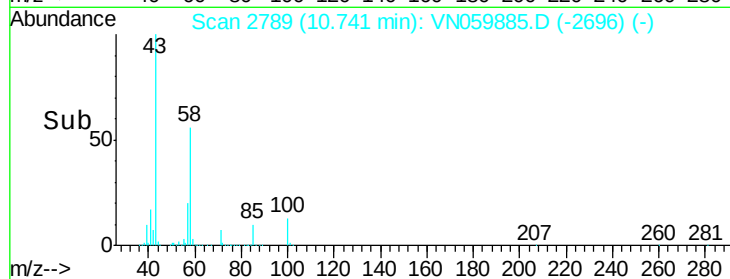
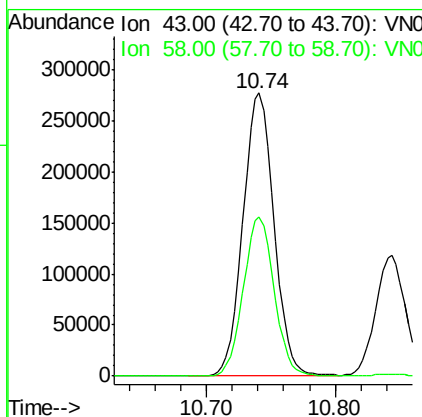
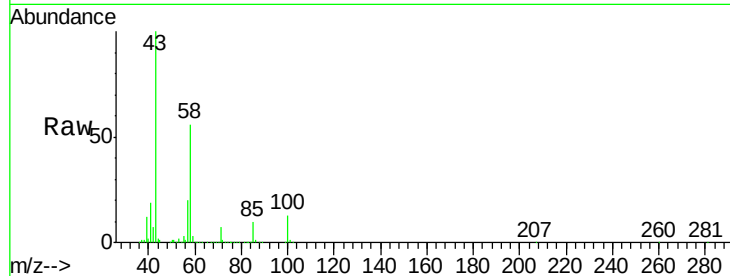
#59
2-Hexanone
Concen: 237.984 ug/l
RT: 10.74 min Scan# 2789
Delta R.T. 0.00 min
Lab File: VN059885.D
Acq: 27 Jan 2020 20:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	43	Resp	463386
Ion Ratio	Lower	Upper	
43	100		
58	56.1	25.8	77.3

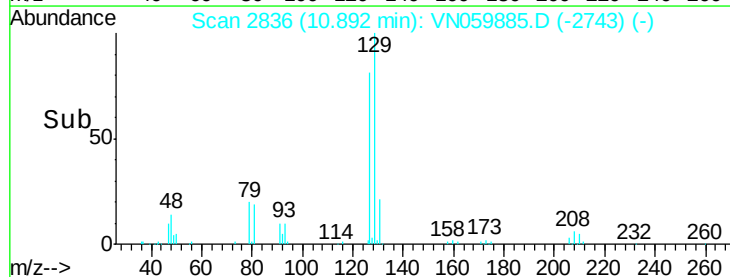
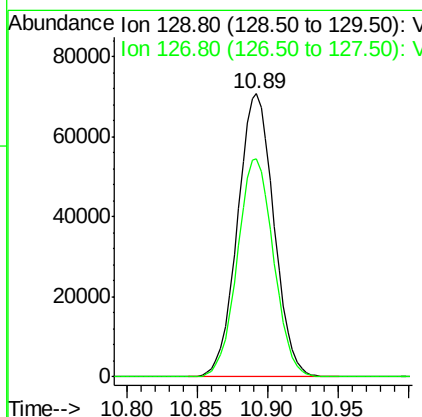
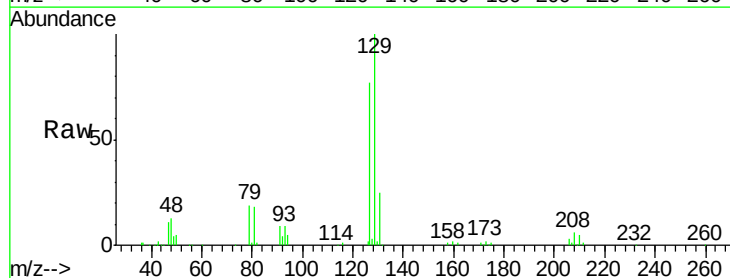
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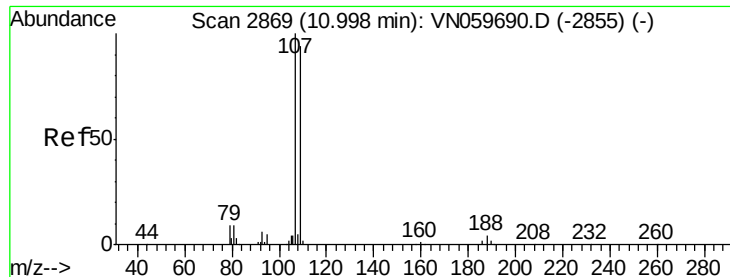
MMDadoda
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#60
Dibromochloromethane
Concen: 53.089 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. 0.00 min
Lab File: VN059885.D
Acq: 27 Jan 2020 20:09

Tgt Ion	129	Resp	127835
Ion Ratio	Lower	Upper	
129	100		
127	76.7	38.5	115.5





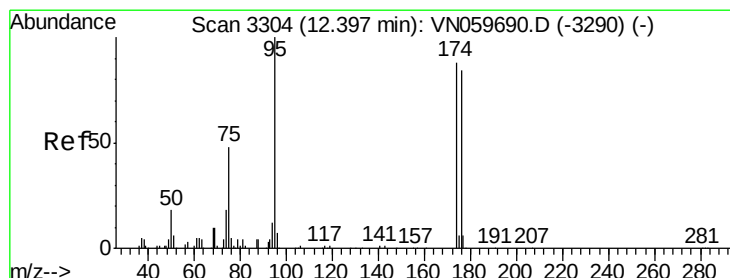
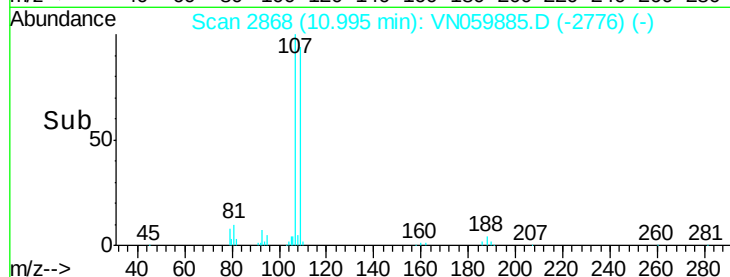
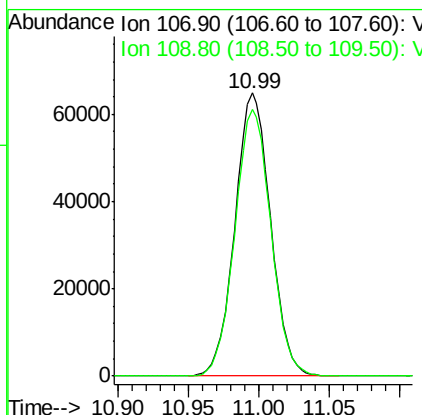
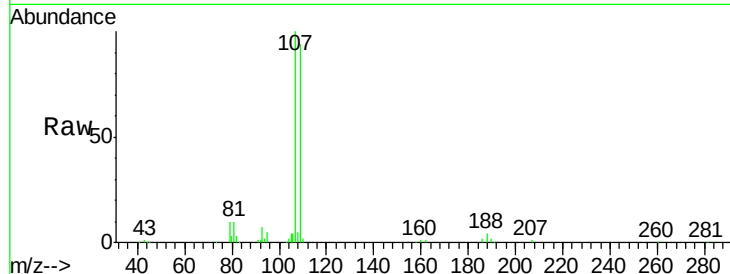
#61
 1,2-Dibromoethane
 Concen: 51.768 ug/l
 RT: 10.99 min Scan# 2868
 Delta R.T. -0.00 min
 Lab File: VN059885.D
 Acq: 27 Jan 2020 20:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.5	76.6	115.0

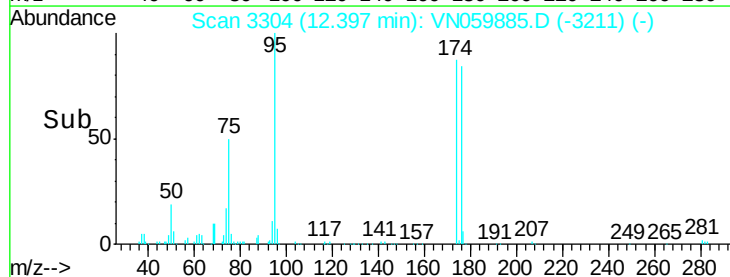
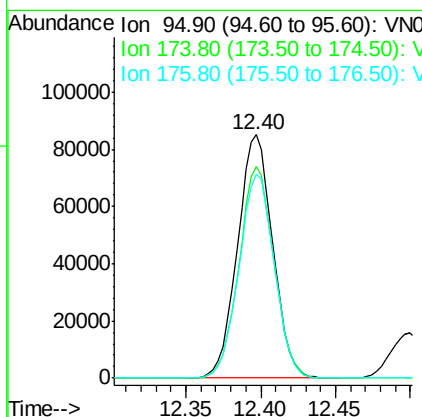
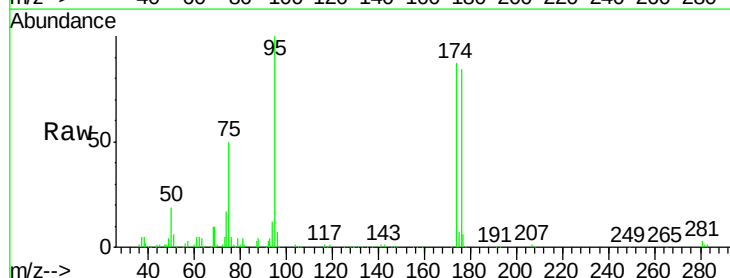
Manual Integrations
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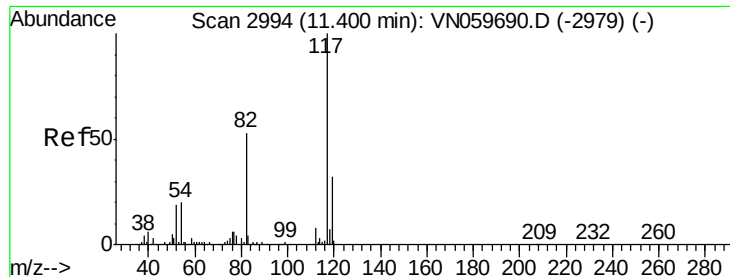
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#62
 4-Bromofluorobenzene
 Concen: 51.298 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. 0.00 min
 Lab File: VN059885.D
 Acq: 27 Jan 2020 20:09

Tgt Ion	Ratio	Lower	Upper
95	100		
174	86.5	0.0	151.4
176	84.2	0.0	146.0





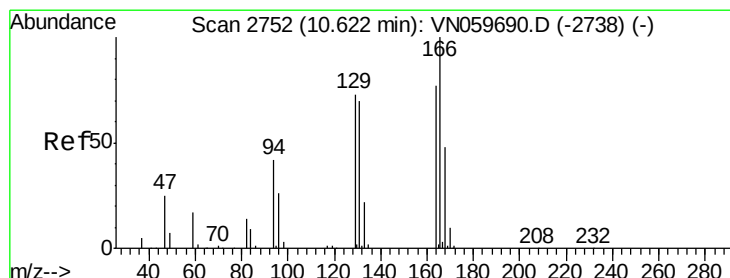
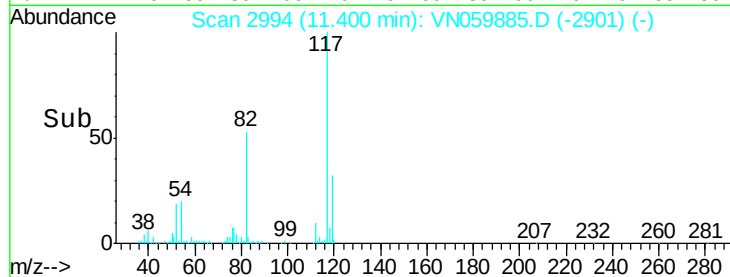
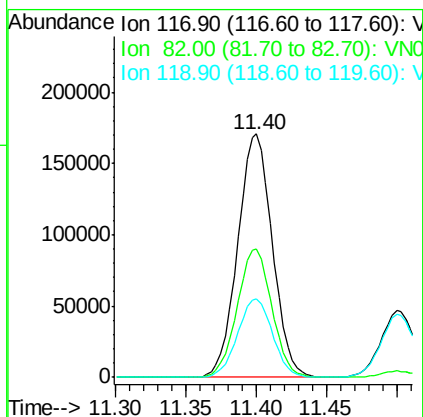
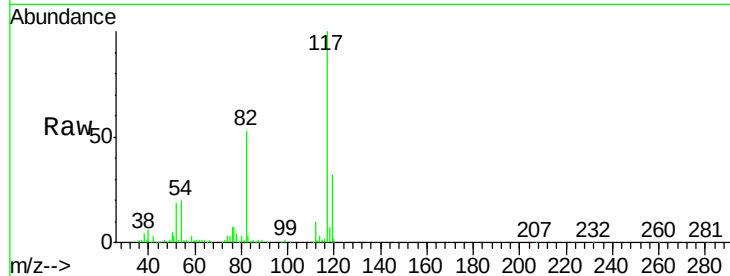
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN059885.D
Acq: 27 Jan 2020 20:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.7	45.9	68.9
119	32.3	25.5	38.3

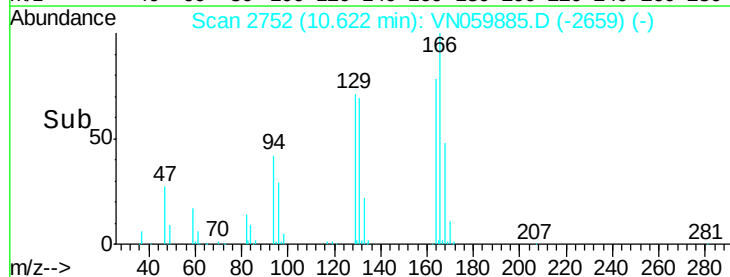
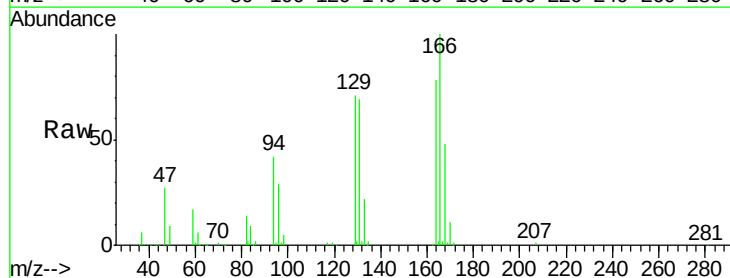
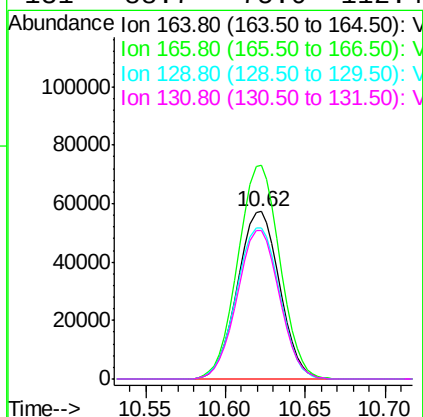
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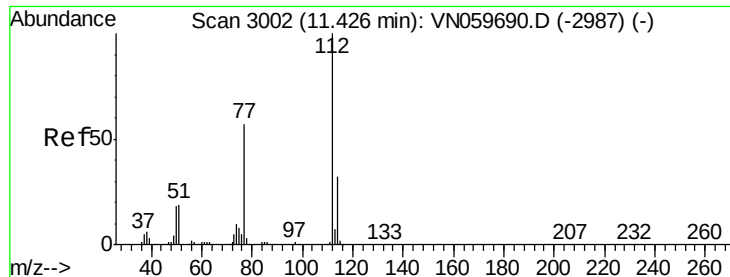
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#64
Tetrachloroethene
Concen: 43.074 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. 0.00 min
Lab File: VN059885.D
Acq: 27 Jan 2020 20:09

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.7	101.4	152.0
129	90.1	80.2	120.4
131	88.7	75.0	112.4





#65

Chlorobenzene

Concen: 51.521 ug/l

RT: 11.43 min Scan# 3002

Delta R.T. 0.00 min

Lab File: VN059885.D

Acq: 27 Jan 2020 20:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:112 Resp: 297513

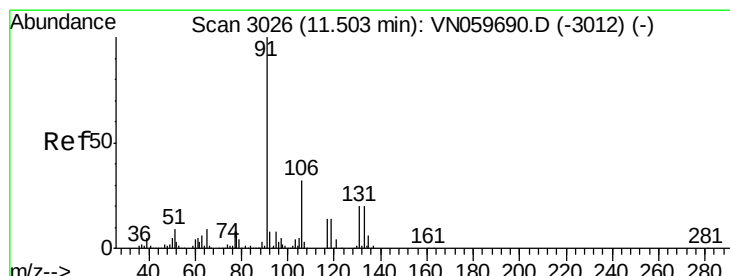
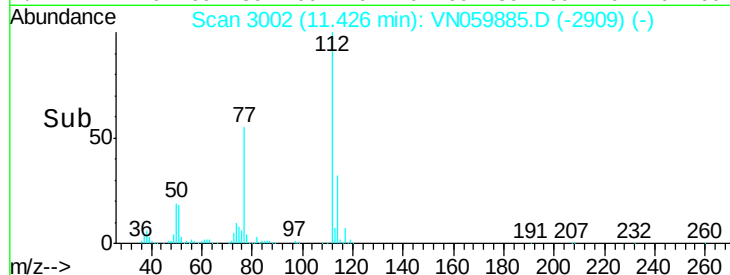
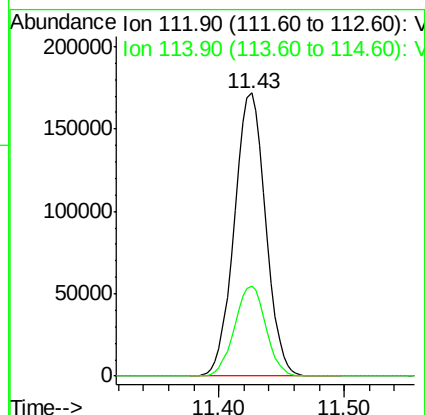
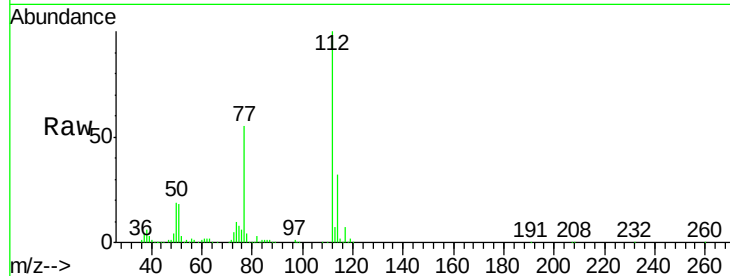
Ion Ratio Lower Upper

112 100

114 32.0 25.8 38.8

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#66

1,1,1,2-Tetrachloroethane

Concen: 52.570 ug/l

RT: 11.50 min Scan# 3025

Delta R.T. -0.00 min

Lab File: VN059885.D

Acq: 27 Jan 2020 20:09

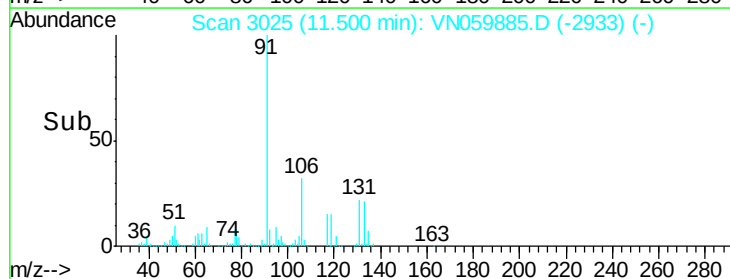
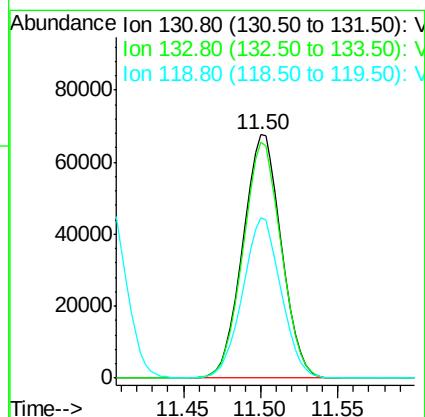
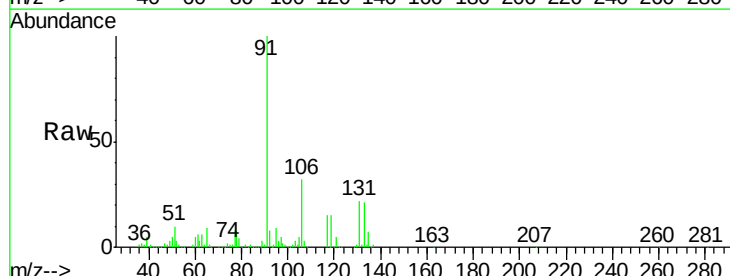
Tgt Ion:131 Resp: 117299

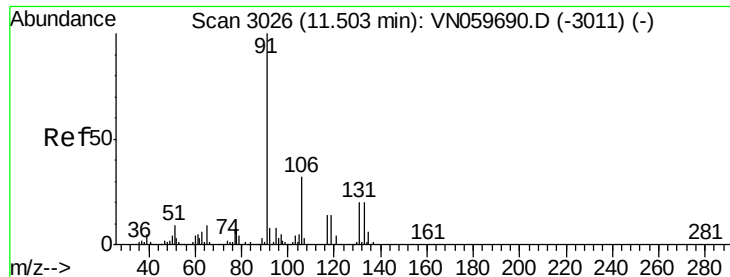
Ion Ratio Lower Upper

131 100

133 96.2 47.4 142.2

119 65.4 33.1 99.3





#67

Ethyl Benzene

Concen: 50.605 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. 0.00 min

Lab File: VN059885.D

Acq: 27 Jan 2020 20:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 530474

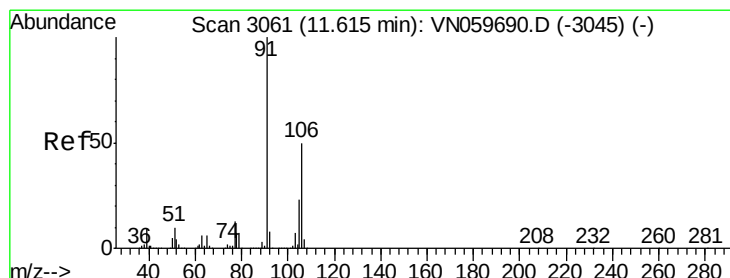
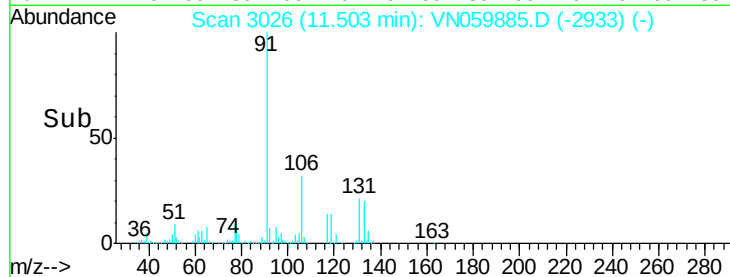
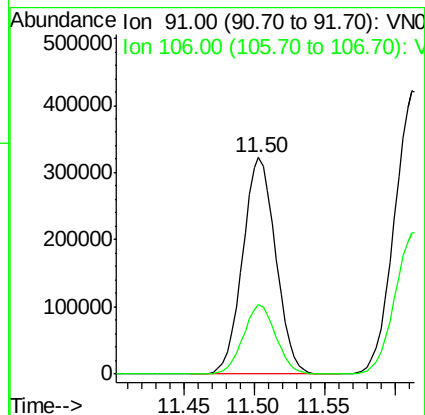
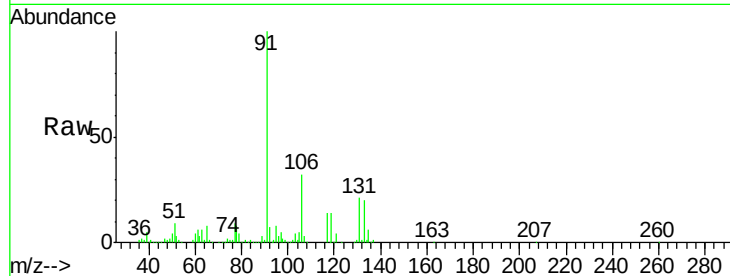
Ion Ratio Lower Upper

91 100

106 31.9 24.1 36.1

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#68

m/p-Xylenes

Concen: 102.035 ug/l

RT: 11.62 min Scan# 3061

Delta R.T. 0.00 min

Lab File: VN059885.D

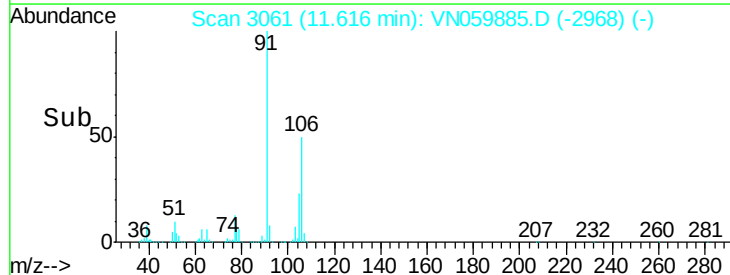
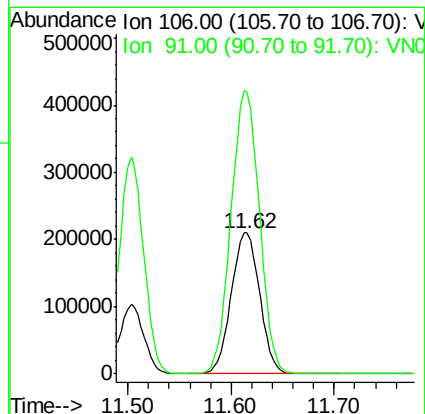
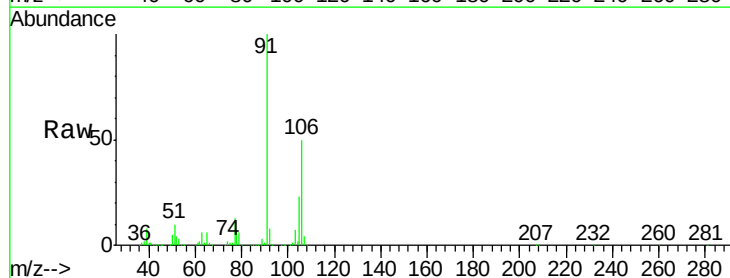
Acq: 27 Jan 2020 20:09

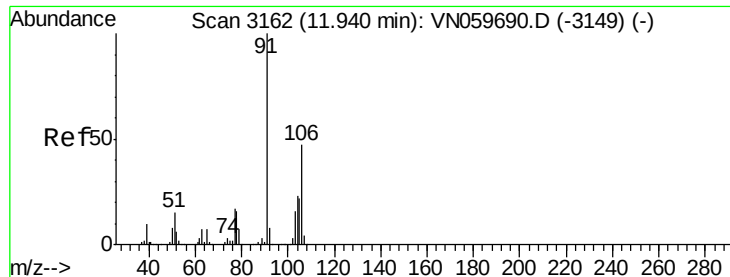
Tgt Ion: 106 Resp: 404034

Ion Ratio Lower Upper

106 100

91 200.7 167.9 251.9





#69

o-Xylene

Concen: 50.663 ug/l

RT: 11.94 min Scan# 3162

Delta R.T. 0.00 min

Lab File: VN059885.D

Acq: 27 Jan 2020 20:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:106 Resp: 196401

Ion Ratio Lower Upper

106 100

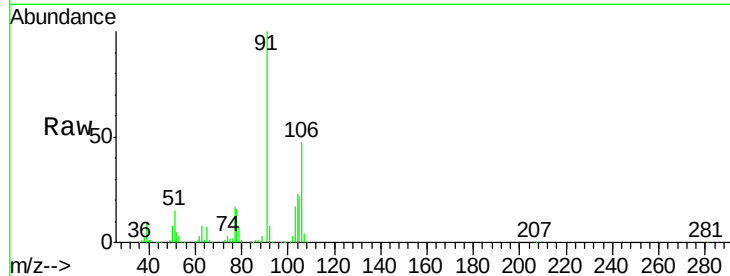
91 211.8 110.3 330.9

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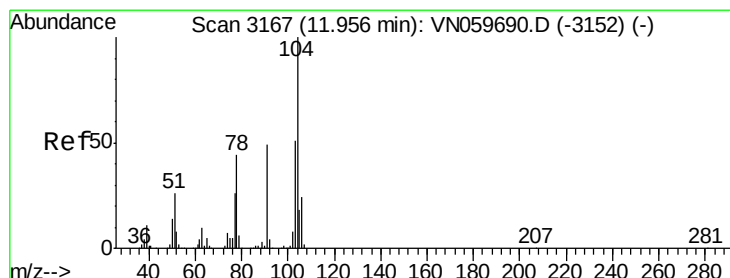
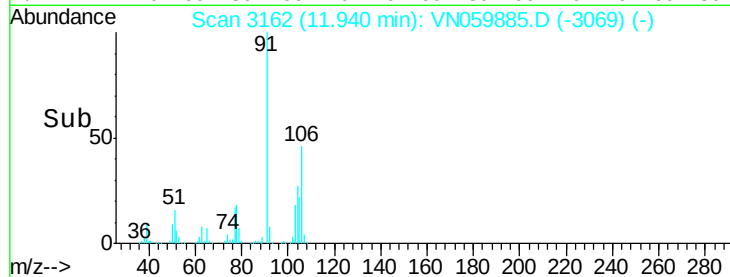
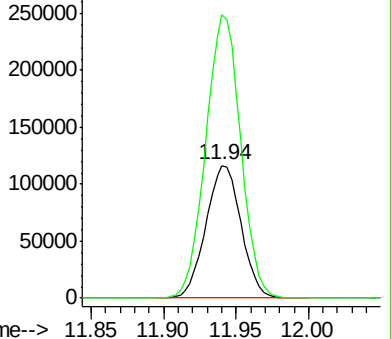
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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0



#70

Styrene

Concen: 50.399 ug/l

RT: 11.96 min Scan# 3167

Delta R.T. 0.00 min

Lab File: VN059885.D

Acq: 27 Jan 2020 20:09

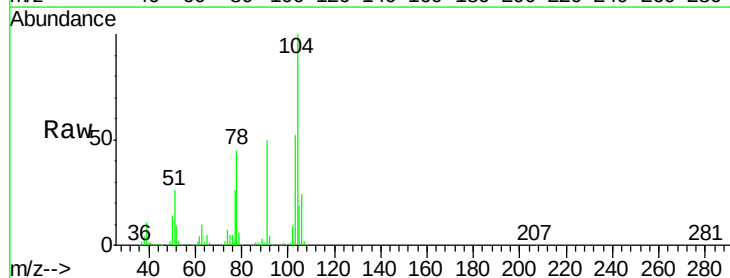
Tgt Ion:104 Resp: 326937

Ion Ratio Lower Upper

104 100

78 49.3 42.4 63.6

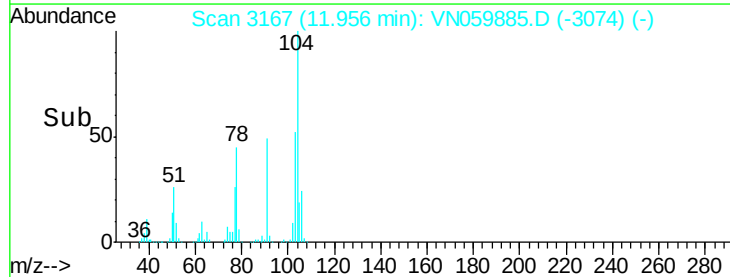
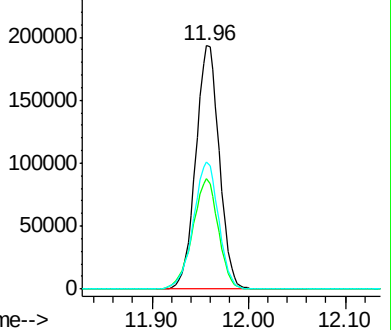
103 55.8 43.9 65.9

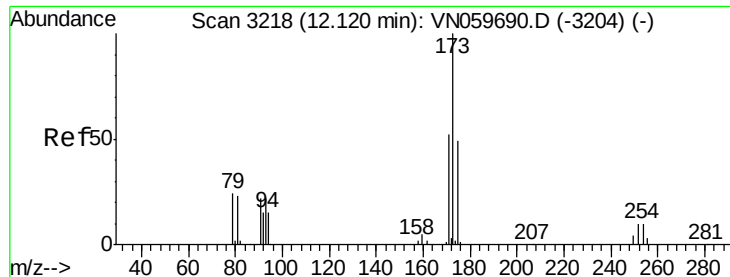


Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VN0

Ion 103.00 (102.70 to 103.70): V





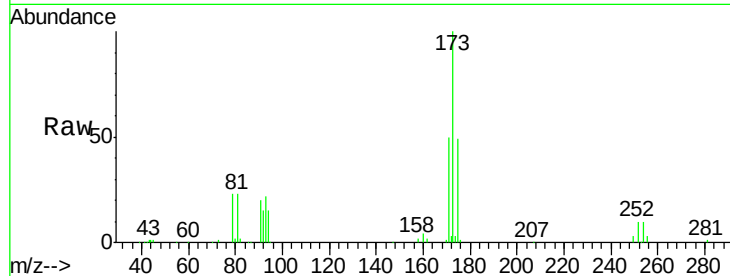
#71
Bromoform
Concen: 54.422 ug/l
RT: 12.12 min Scan# 3218
Delta R.T. 0.00 min
Lab File: VN059885.D
Acq: 27 Jan 2020 20:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

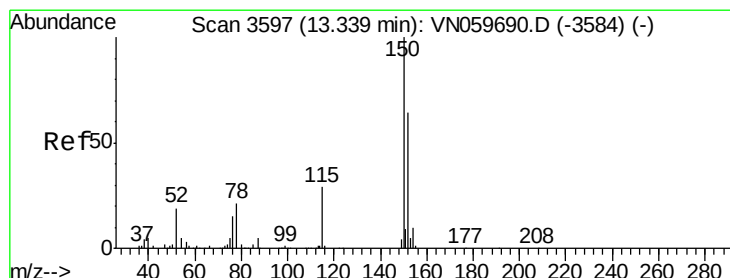
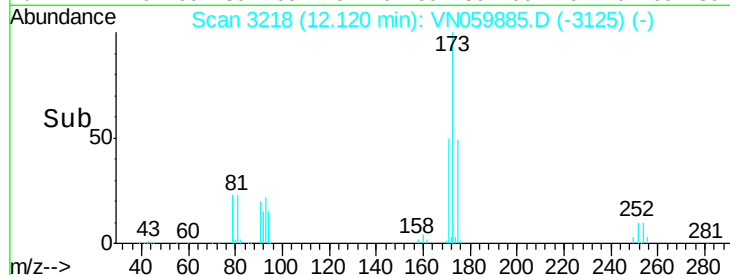
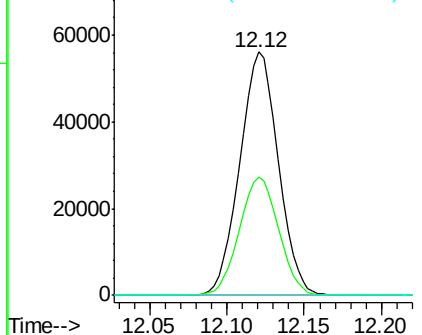
Tot Ion	Ratio	Lower	Upper
173	100		
175	49.4	23.8	71.4
254	0.0	0.0	0.0

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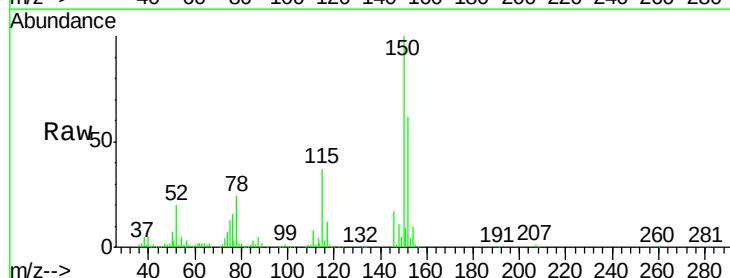


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

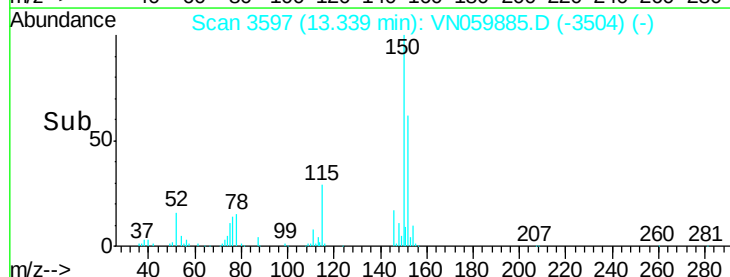
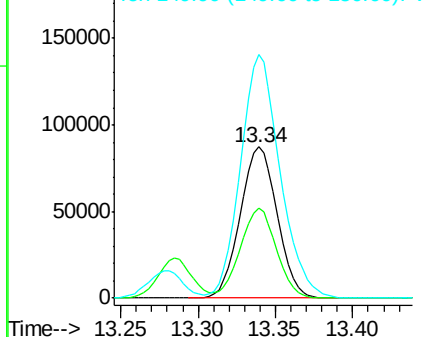


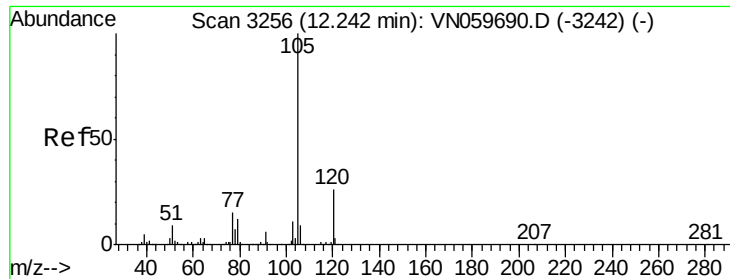
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. 0.00 min
Lab File: VN059885.D
Acq: 27 Jan 2020 20:09

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.7	30.3	90.9
150	172.8	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





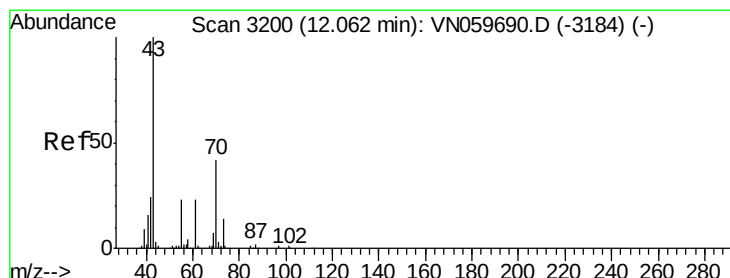
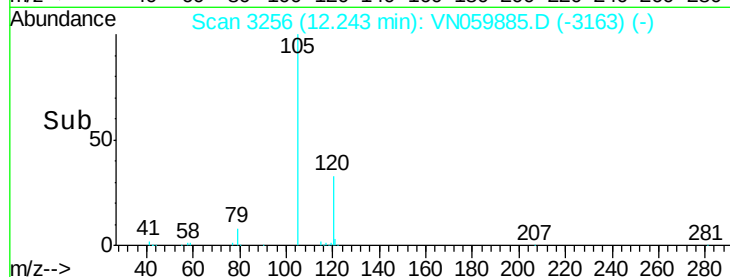
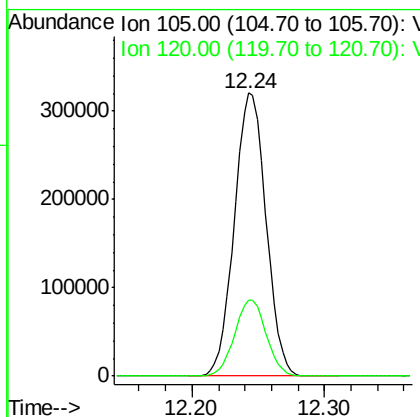
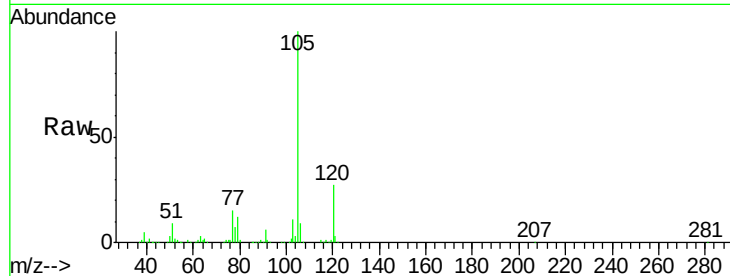
#73
Isopropylbenzene
Concen: 50.007 ug/l
RT: 12.24 min Scan# 3256
Delta R.T. 0.00 min
Lab File: VN059885.D
Acq: 27 Jan 2020 20:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.7	13.2	39.5

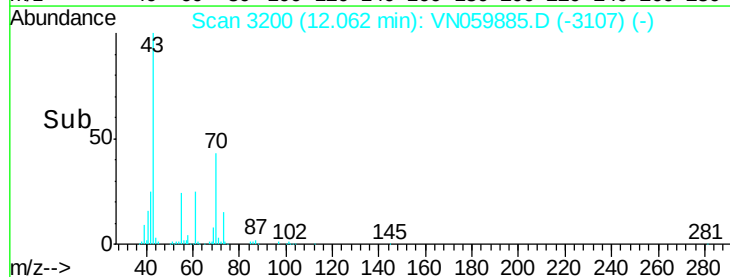
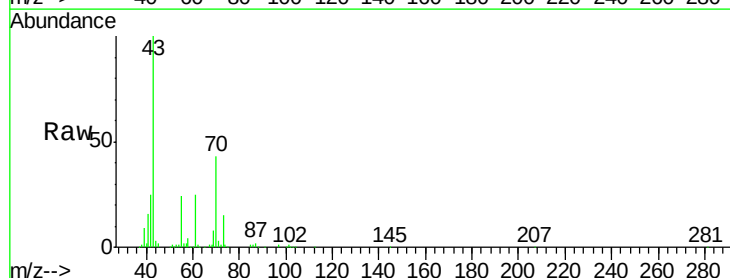
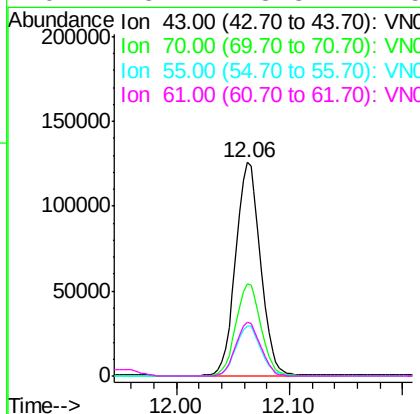
Manual Integrations
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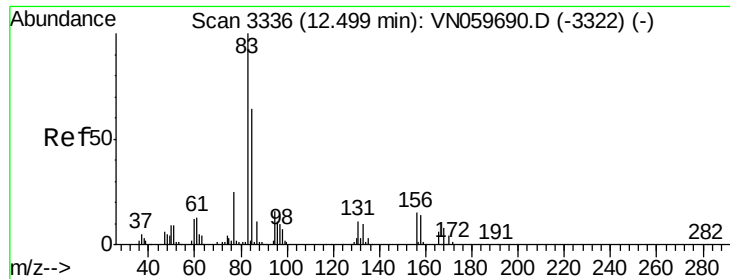
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#74
N-ethyl acetate
Concen: 46.584 ug/l
RT: 12.06 min Scan# 3200
Delta R.T. 0.00 min
Lab File: VN059885.D
Acq: 27 Jan 2020 20:09

Tgt Ion	Ratio	Lower	Upper
43	100		
70	43.8	31.3	46.9
55	23.8	19.8	29.6
61	25.2	18.3	27.5





#75

1,1,2,2-Tetrachloroethane

Concen: 51.619 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN059885.D

Acq: 27 Jan 2020 20:09

Instrument :

MSVOA_N

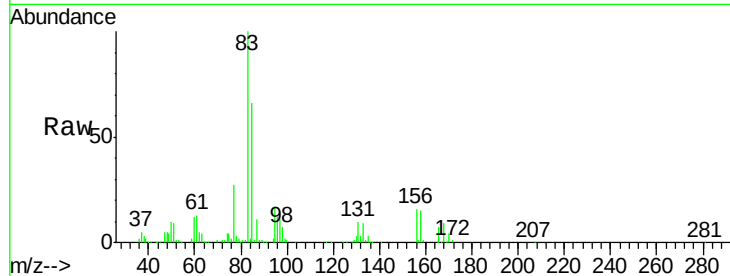
ClientSampleId :

VSTDCCC050EC

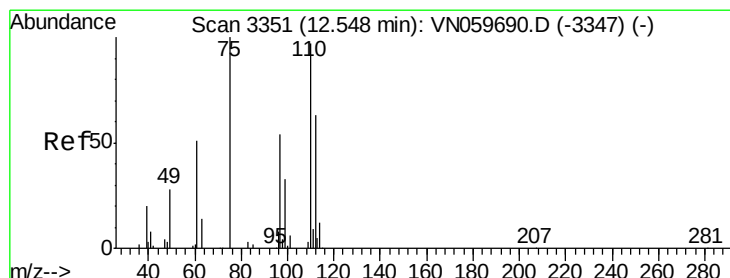
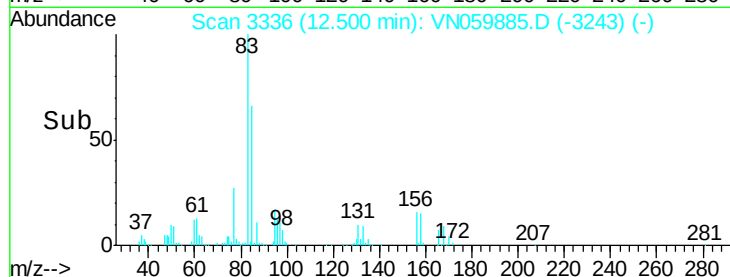
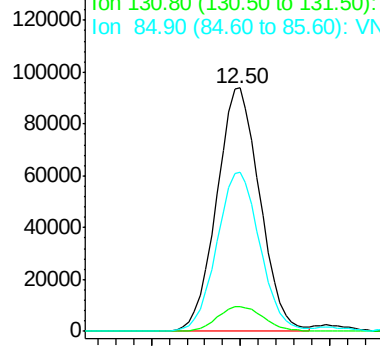
Tot Ion:	83	Resp:	158931
Ion Ratio	Lower	Upper	
83	100		
131	10.9	5.0	14.9
85	65.4	31.9	95.5

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VN059690.D (-3322) (-)



#76

1,2,3-Trichloropropane

Concen: 55.753 ug/l m

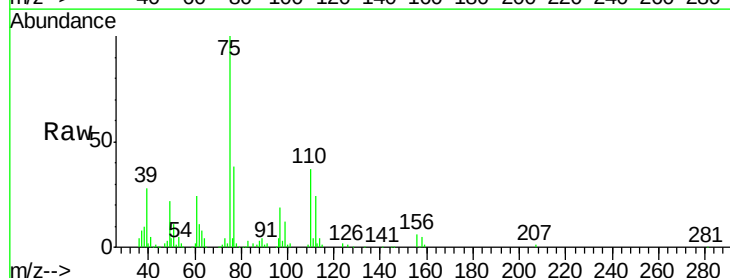
RT: 12.55 min Scan# 3351

Delta R.T. 0.00 min

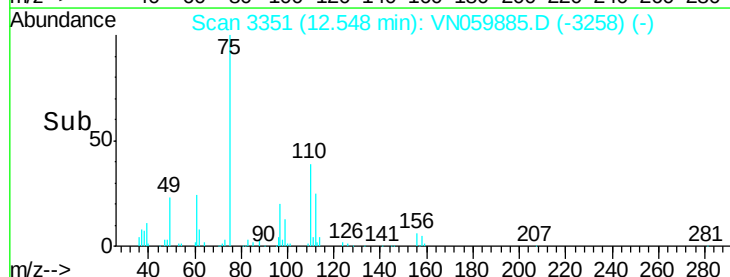
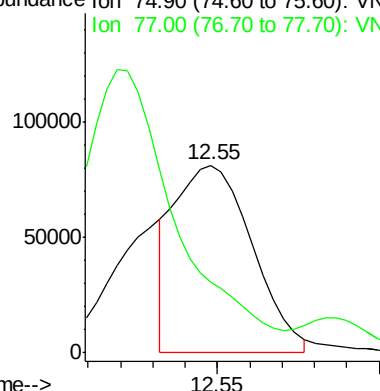
Lab File: VN059885.D

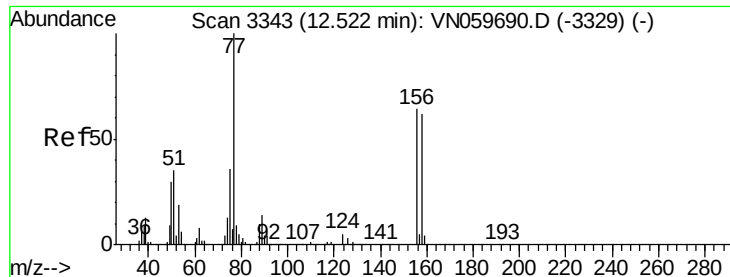
Acq: 27 Jan 2020 20:09

Tgt Ion:	75	Resp:	135875
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VN059690.D (-3347) (-)





#77

Bromobenzene

Concen: 50.760 ug/l

RT: 12.52 min Scan# 3342

Delta R.T. -0.00 min

Lab File: VN059885.D

Acq: 27 Jan 2020 20:09

Instrument :

MSVOA_N

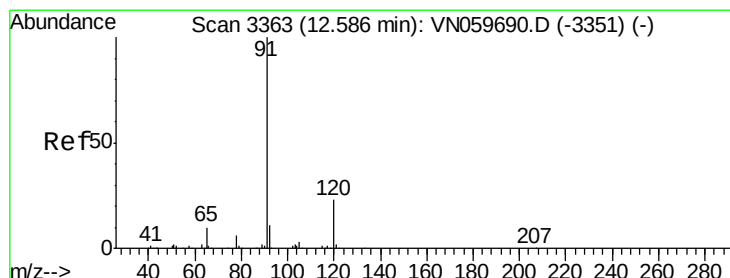
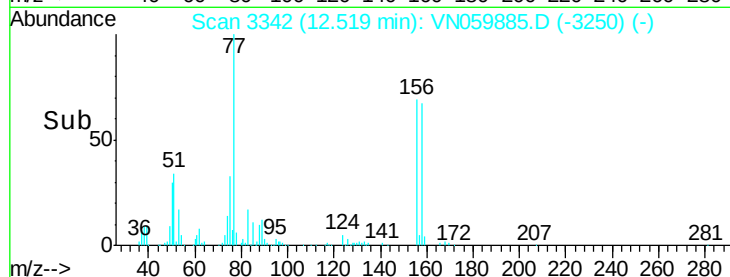
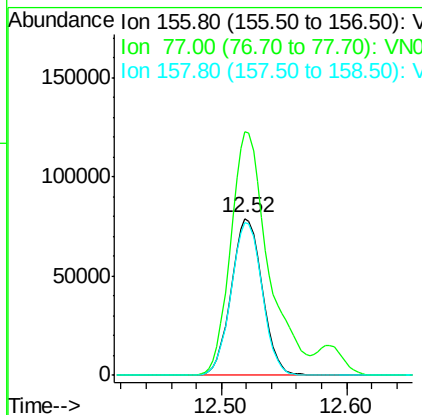
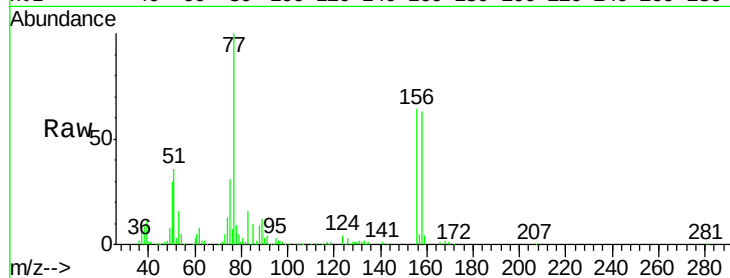
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	136524
Ion Ratio	Lower	Upper	
156	100		
77	187.4	115.8	347.4
158	96.7	49.2	147.6

Manual Integrations
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#78

n-propylbenzene

Concen: 49.768 ug/l

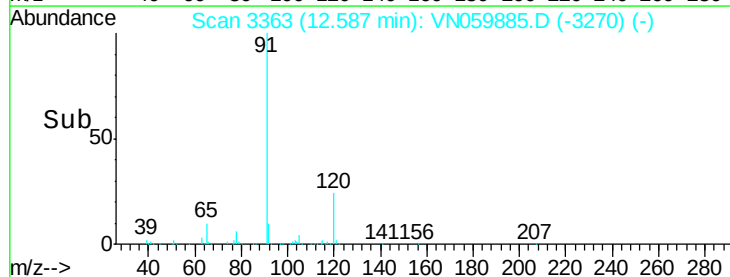
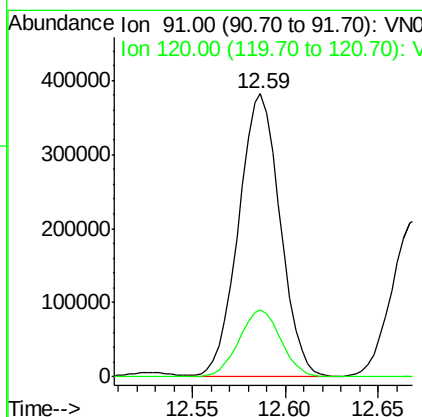
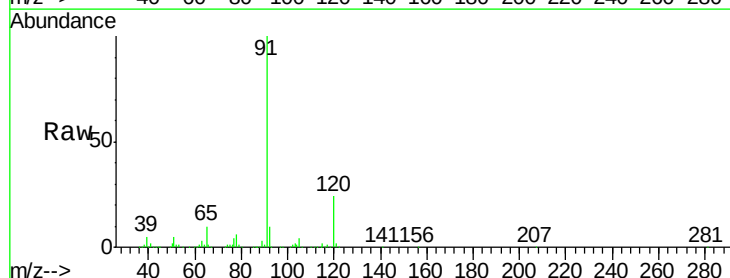
RT: 12.59 min Scan# 3363

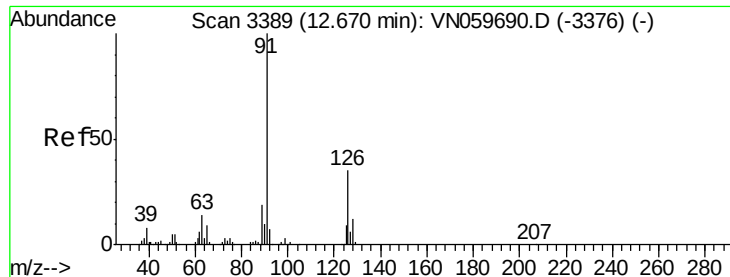
Delta R.T. 0.00 min

Lab File: VN059885.D

Acq: 27 Jan 2020 20:09

Tgt Ion:	91	Resp:	593275
Ion Ratio	Lower	Upper	
91	100		
120	24.0	11.1	33.3





#79

2-Chlorotoluene

Concen: 49.183 ug/l

RT: 12.67 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VN059885.D

Acq: 27 Jan 2020 20:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 348788

Ion Ratio Lower Upper

91 100

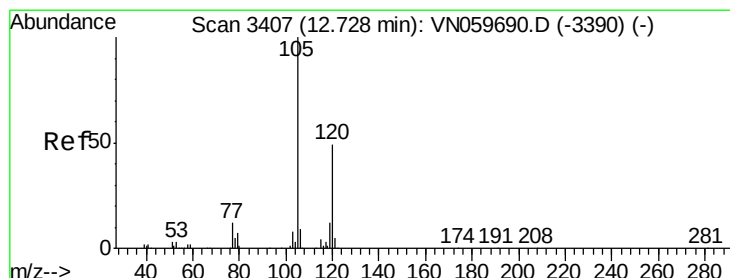
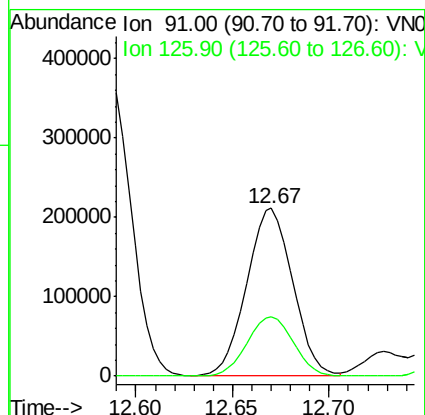
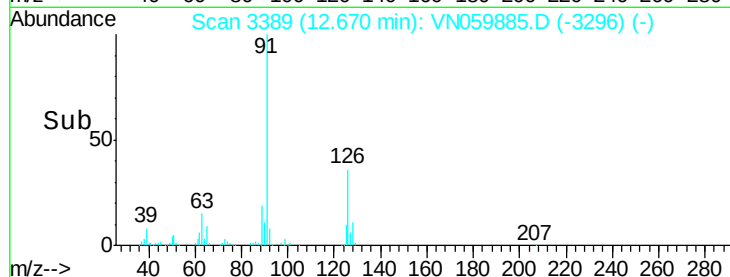
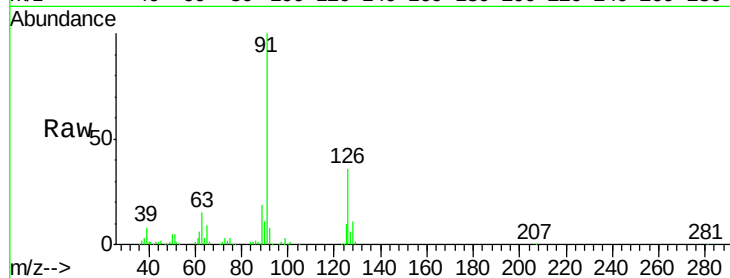
126 36.0 16.3 48.9

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 49.932 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. 0.00 min

Lab File: VN059885.D

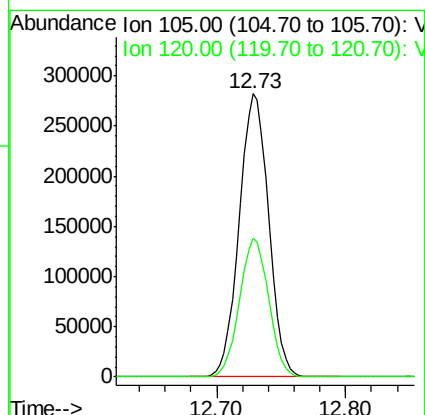
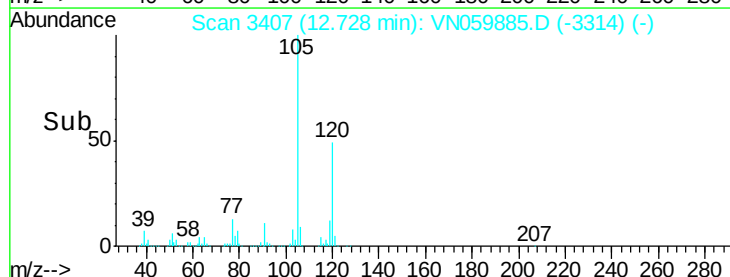
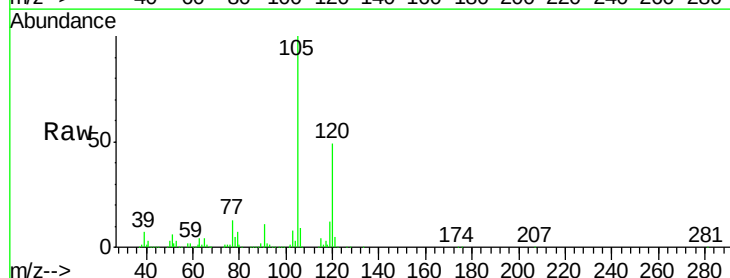
Acq: 27 Jan 2020 20:09

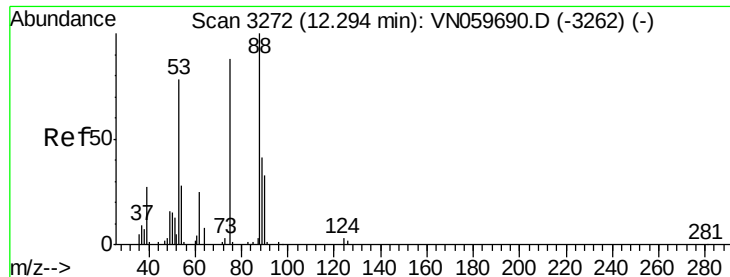
Tgt Ion: 105 Resp: 445998

Ion Ratio Lower Upper

105 100

120 48.8 24.1 72.4





#81

trans-1,4-Dichloro-2-butene

Concen: 48.726 ug/l

RT: 12.29 min Scan# 3272

Delta R.T. 0.00 min

Lab File: VN059885.D

Acq: 27 Jan 2020 20:09

Instrument :

MSVOA_N

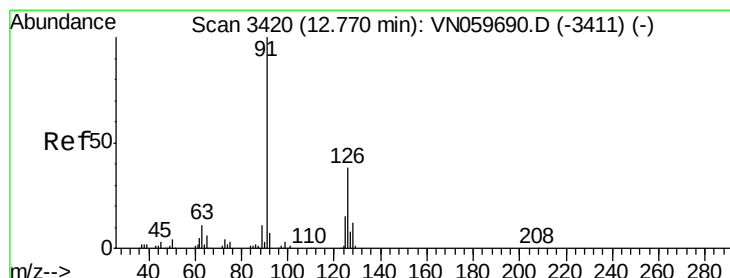
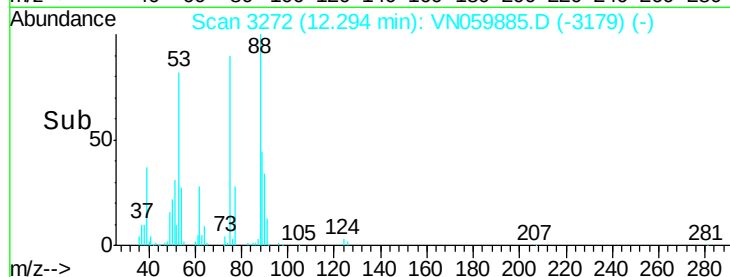
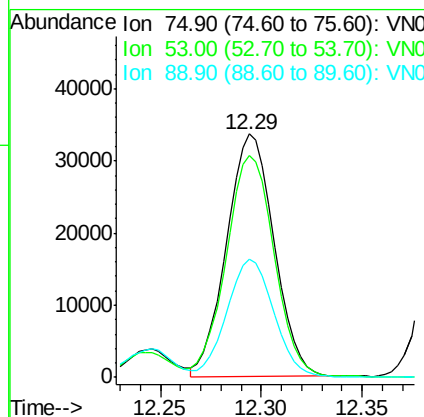
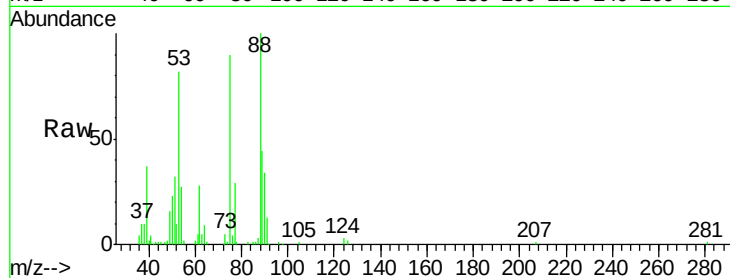
ClientSampleId :

VSTDCCC050EC

Tot Ion:	75	Resp:	55297
Ion	Ratio	Lower	Upper
75	100		
53	93.6	78.1	117.1
89	48.4	35.4	53.2

Manual Integrations
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#82

4-Chlorotoluene

Concen: 50.778 ug/l

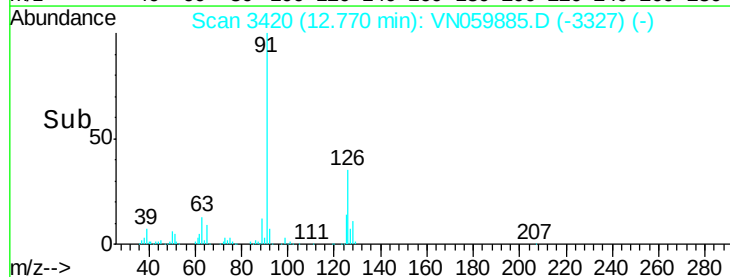
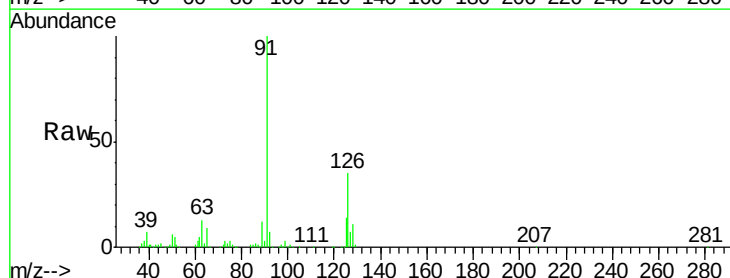
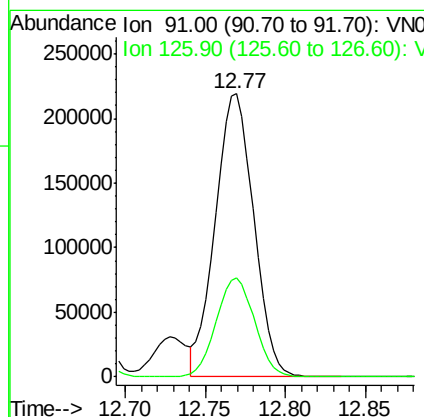
RT: 12.77 min Scan# 3420

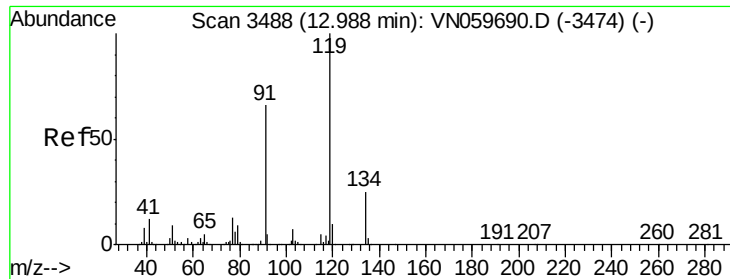
Delta R.T. 0.00 min

Lab File: VN059885.D

Acq: 27 Jan 2020 20:09

Tgt Ion:	91	Resp:	361181
Ion	Ratio	Lower	Upper
91	100		
126	35.0	16.3	48.8





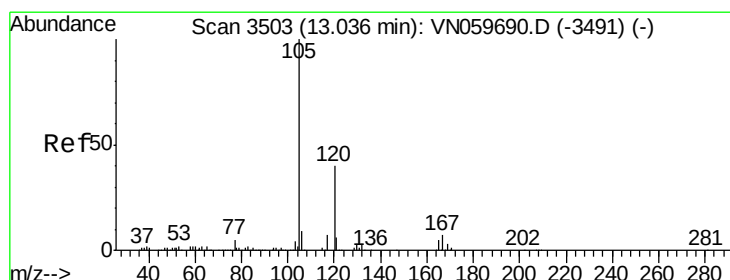
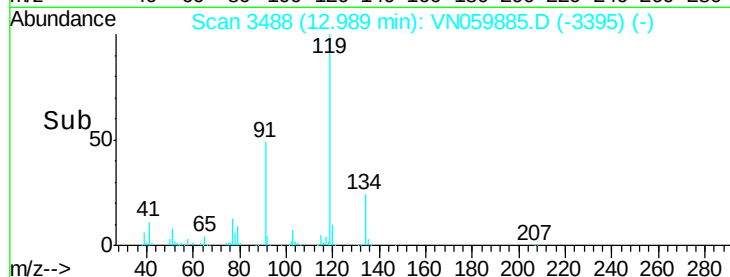
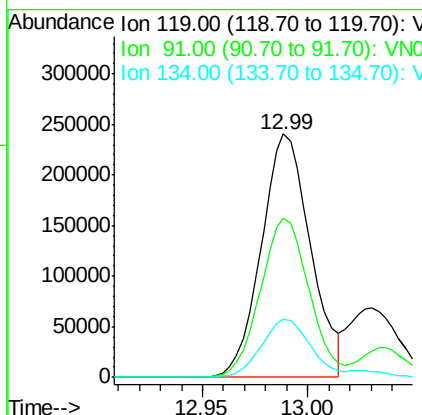
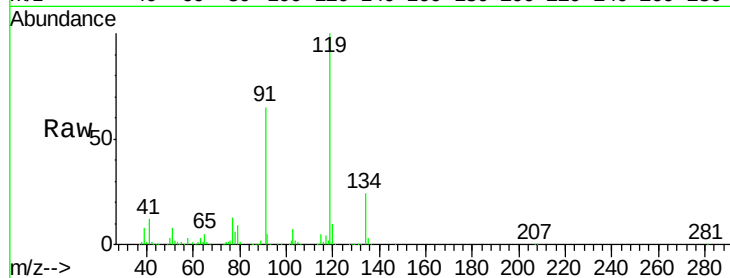
#83
 tert-Butylbenzene
 Concen: 50.531 ug/l
 RT: 12.99 min Scan# 3488
 Delta R.T. 0.00 min
 Lab File: VN059885.D
 Acq: 27 Jan 2020 20:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	64.6	34.8	104.4
134	23.8	12.3	36.9

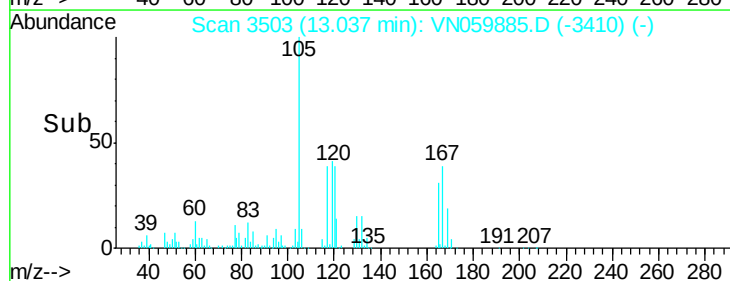
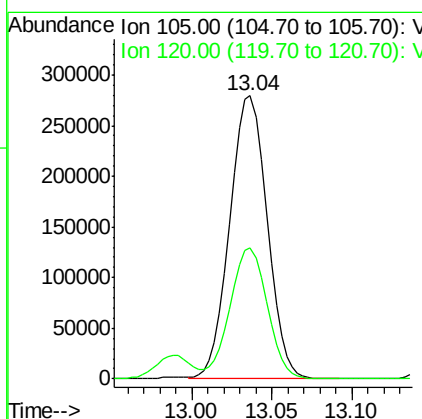
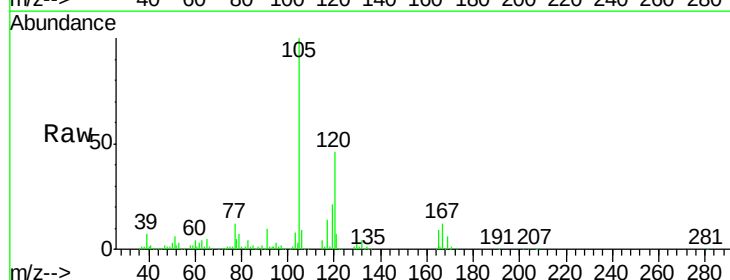
Manual Integrations
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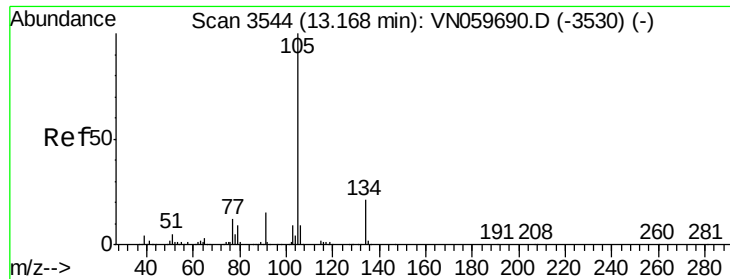
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#84
 1,2,4-Trimethylbenzene
 Concen: 50.315 ug/l
 RT: 13.04 min Scan# 3503
 Delta R.T. 0.00 min
 Lab File: VN059885.D
 Acq: 27 Jan 2020 20:09

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.0	22.3	66.9





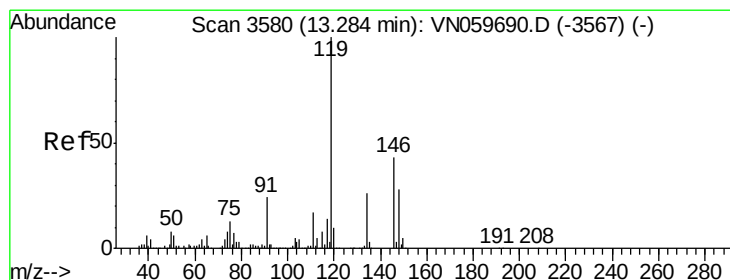
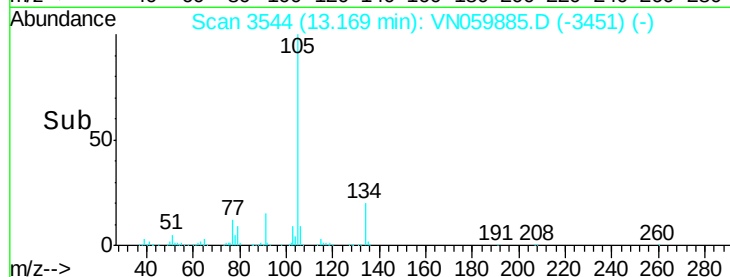
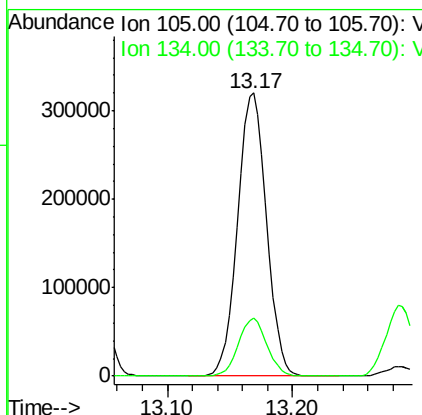
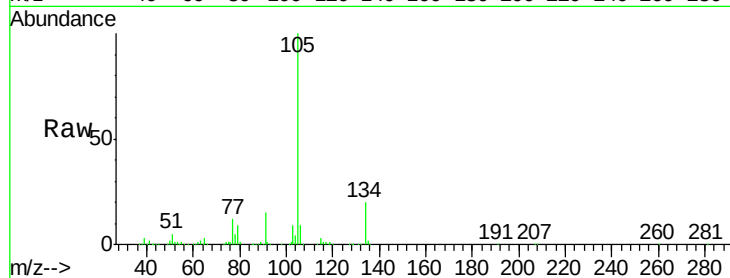
#85
 sec-Butylbenzene
 Concen: 50.250 ug/l
 RT: 13.17 min Scan# 3544
 Delta R.T. 0.00 min
 Lab File: VN059885.D
 Acq: 27 Jan 2020 20:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
105	100	510018		
134	20.2	9.8	29.5	

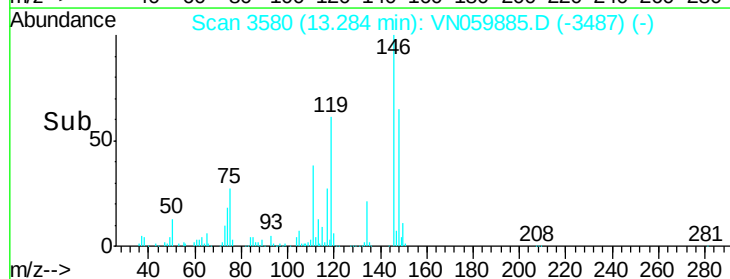
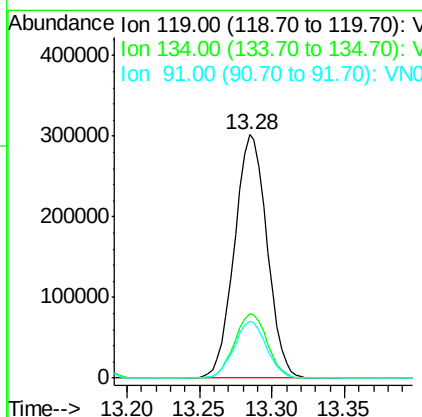
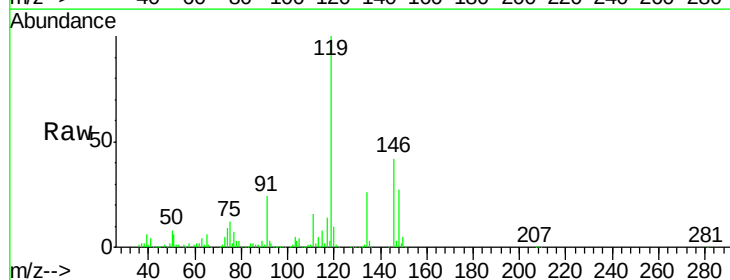
Manual Integrations
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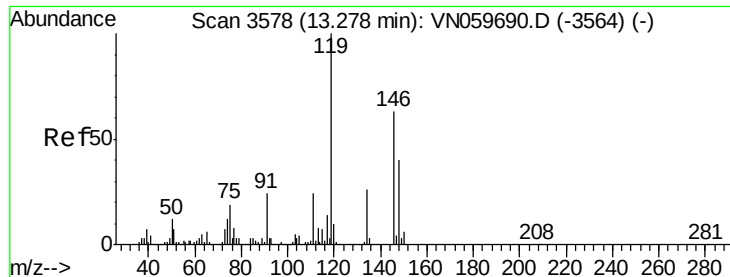
MMDadoda
 1/28/2020 9:24:56 AM



#86
 p-Isopropyltoluene
 Concen: 50.032 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN059885.D
 Acq: 27 Jan 2020 20:09

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	469872		
134	26.7	12.9	38.7	
91	23.1	12.4	37.4	





#87

1,3-Dichlorobenzene

Concen: 51.426 ug/l

RT: 13.28 min Scan# 3578

Delta R.T. 0.00 min

Lab File: VN059885.D

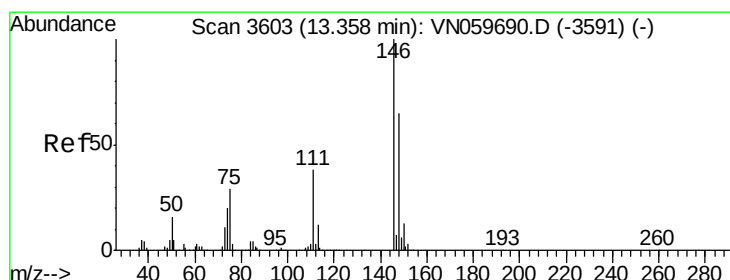
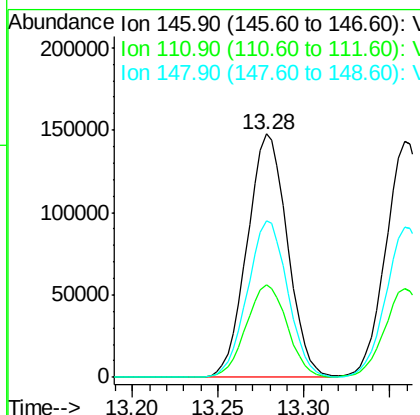
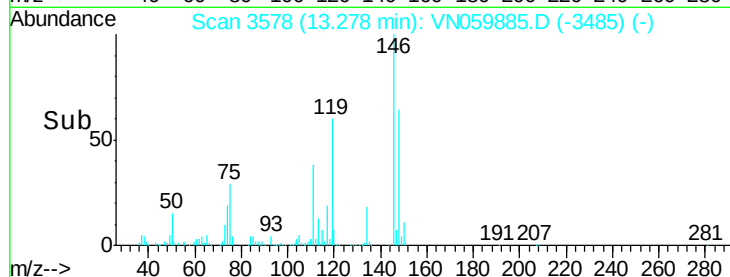
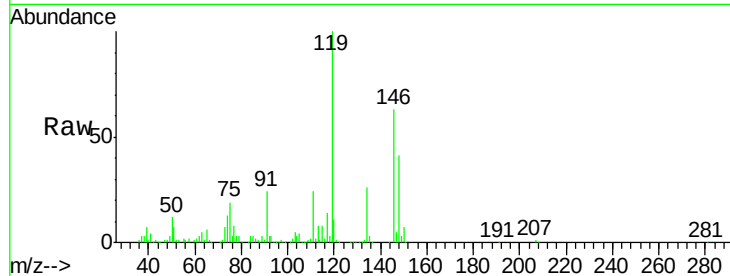
Acq: 27 Jan 2020 20:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.6	20.8	62.2
148	64.1	32.0	96.0

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 50.986 ug/l

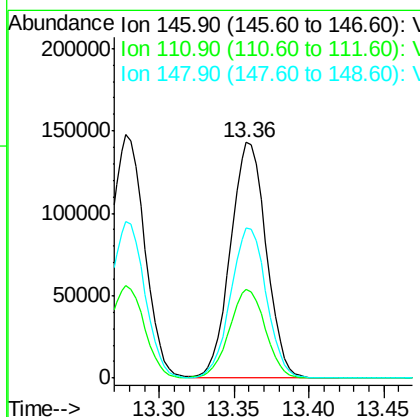
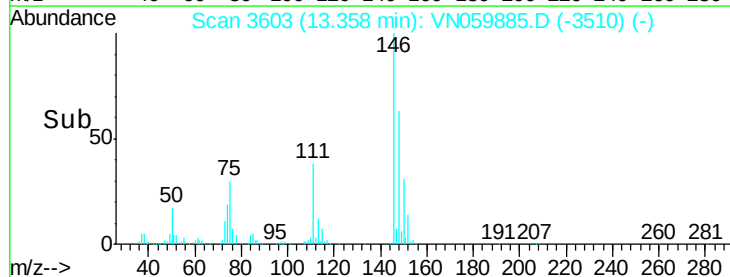
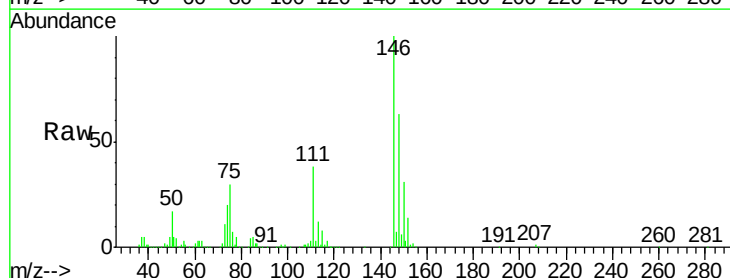
RT: 13.36 min Scan# 3603

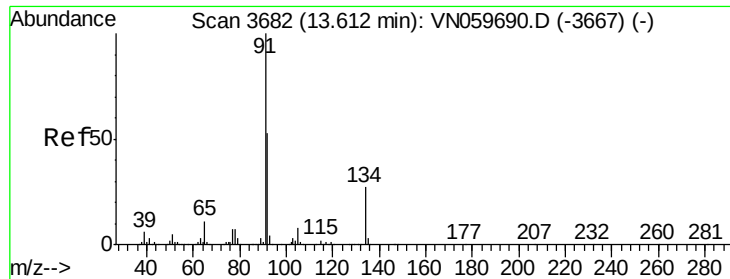
Delta R.T. 0.00 min

Lab File: VN059885.D

Acq: 27 Jan 2020 20:09

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.1	20.8	62.2
148	64.0	31.8	95.4





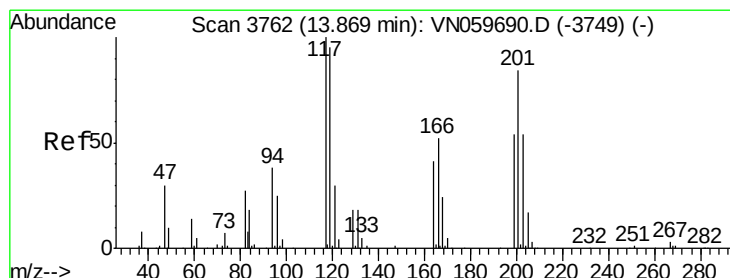
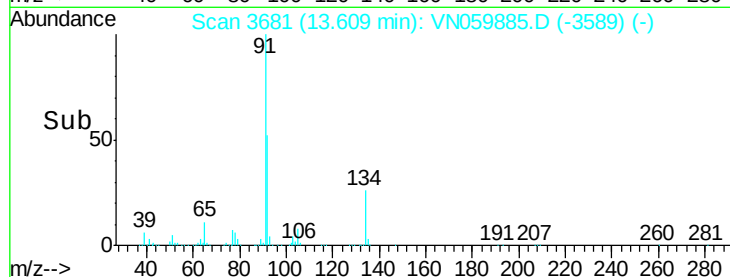
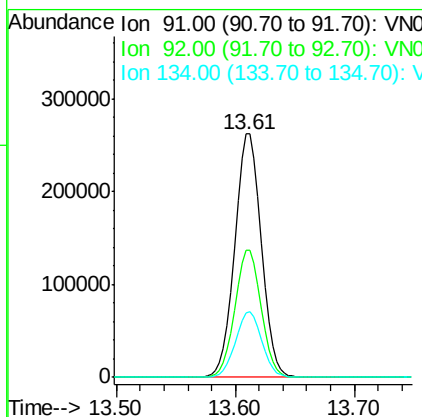
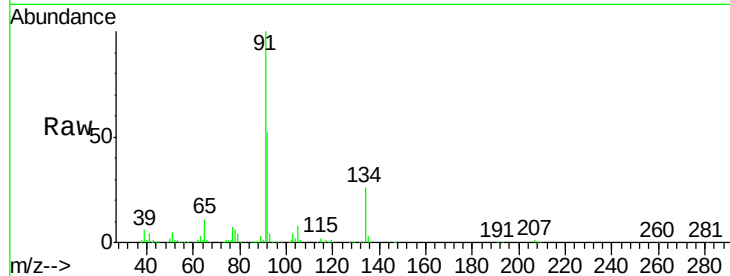
#89
n-Butylbenzene
Concen: 50.576 ug/l
RT: 13.61 min Scan# 3681
Delta R.T. -0.00 min
Lab File: VN059885.D
Acq: 27 Jan 2020 20:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
91	100		404988		
92	51.7	25.9		77.7	
134	26.8	12.3		36.8	

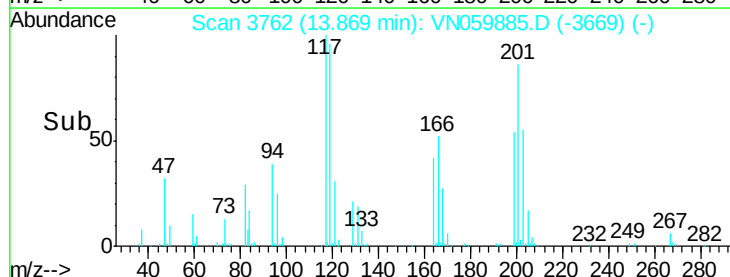
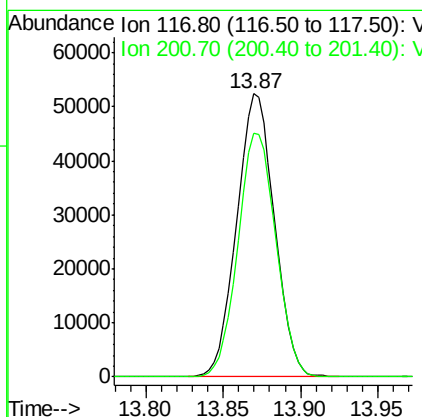
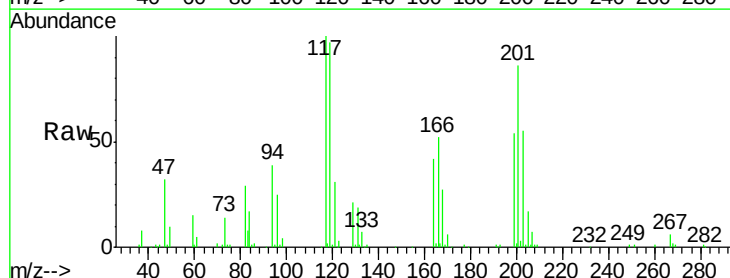
Manual Integrations
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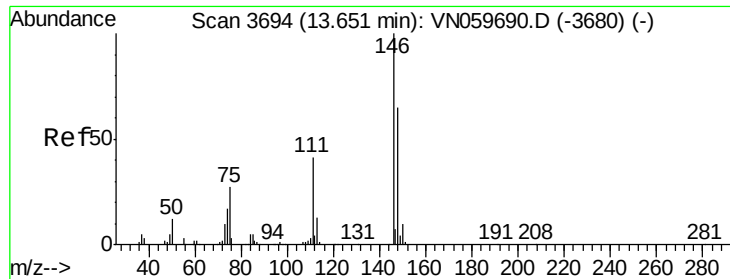
MMDadoda
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#90
Hexachloroethane
Concen: 50.581 ug/l
RT: 13.87 min Scan# 3762
Delta R.T. 0.00 min
Lab File: VN059885.D
Acq: 27 Jan 2020 20:09

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
117	100		88876		
201	86.6	37.8		113.4	





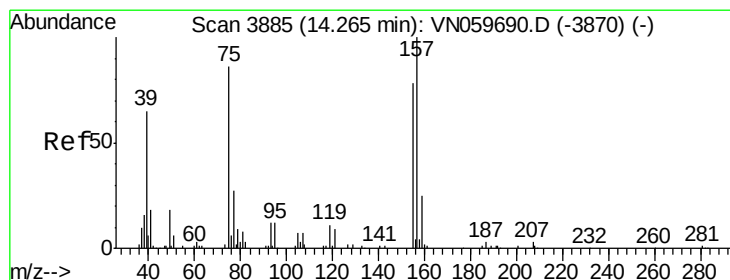
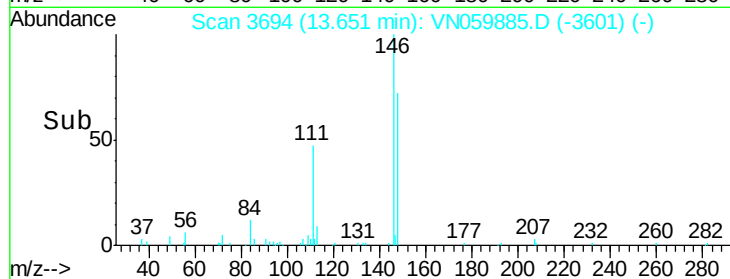
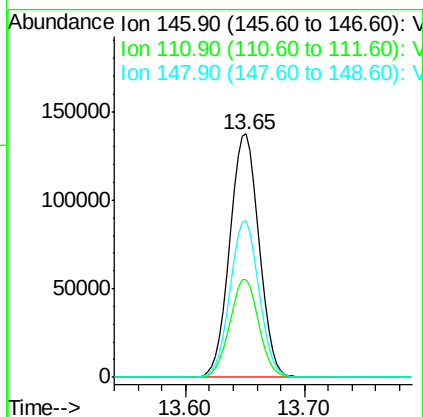
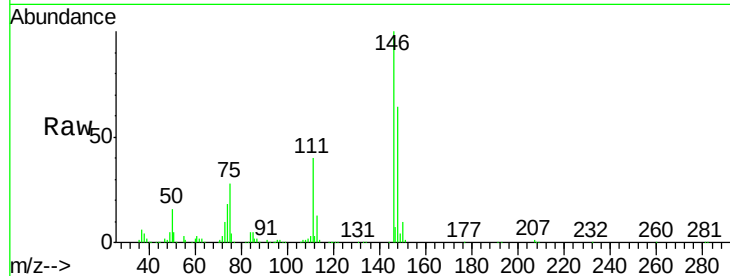
#91
 1,2-Dichlorobenzene
 Concen: 50.777 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN059885.D
 Acq: 27 Jan 2020 20:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.8	21.6	64.8
148	63.9	31.6	95.0

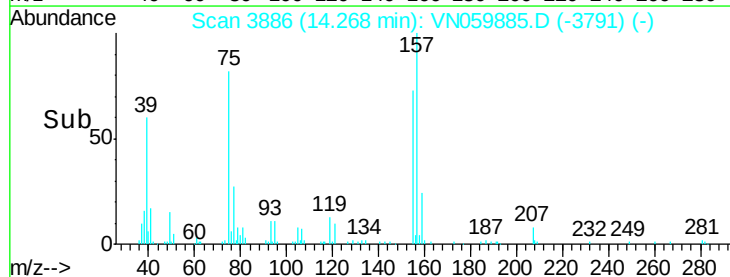
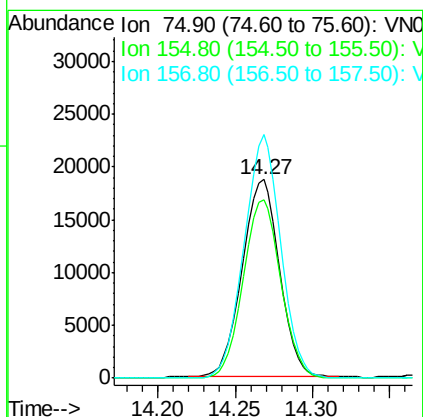
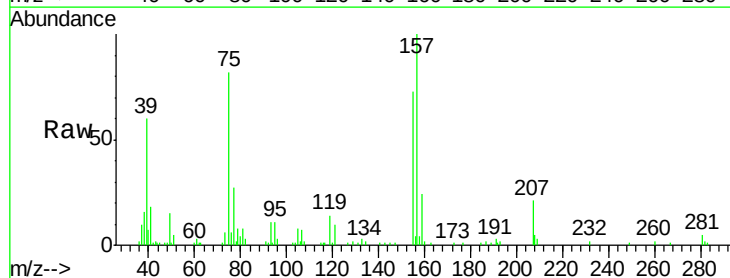
Manual Integrations
 APPROVED

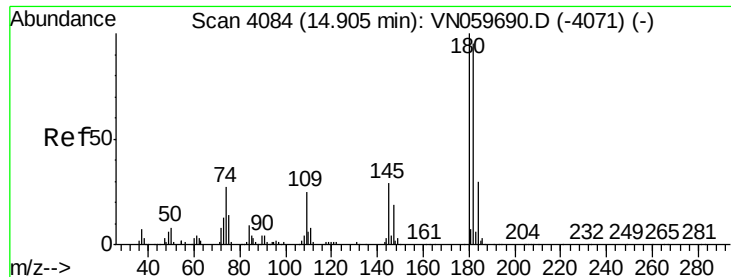
MMDadoda
 1/28/2020 9:24:56 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 47.233 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN059885.D
 Acq: 27 Jan 2020 20:09

Tgt Ion	Ratio	Lower	Upper
75	100		
155	91.4	37.0	110.9
157	121.4	48.4	145.2





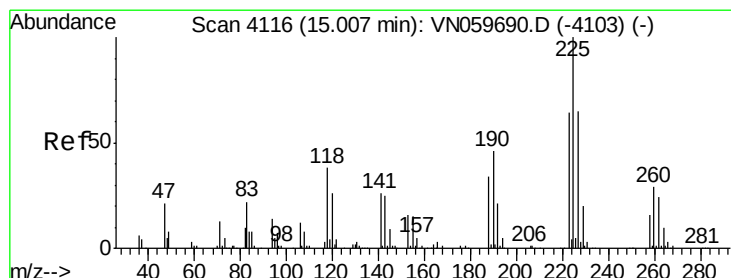
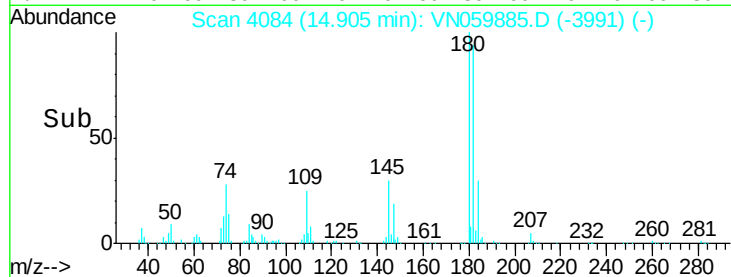
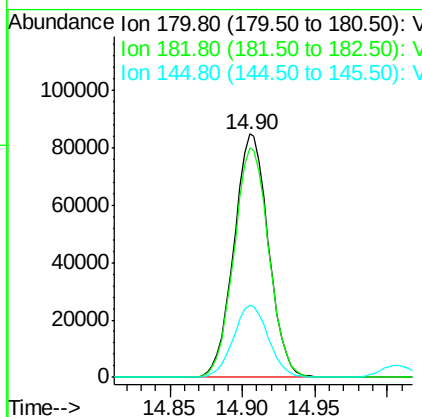
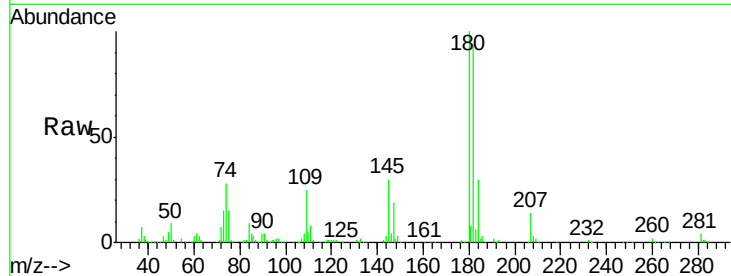
#93
 1,2,4-Trichlorobenzene
 Concen: 50.450 ug/l
 RT: 14.90 min Scan# 4084
 Delta R.T. 0.00 min
 Lab File: VN059885.D
 Acq: 27 Jan 2020 20:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	140015		
182	95.2	46.9	140.7	
145	29.7	15.0	45.1	

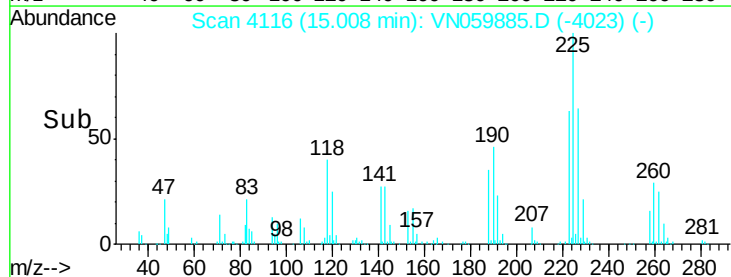
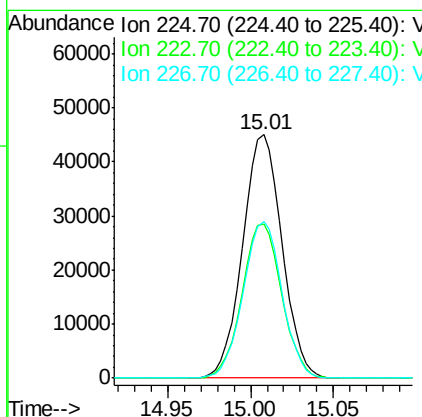
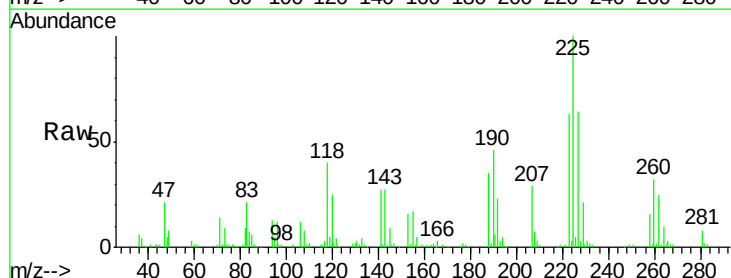
Manual Integrations
 APPROVED

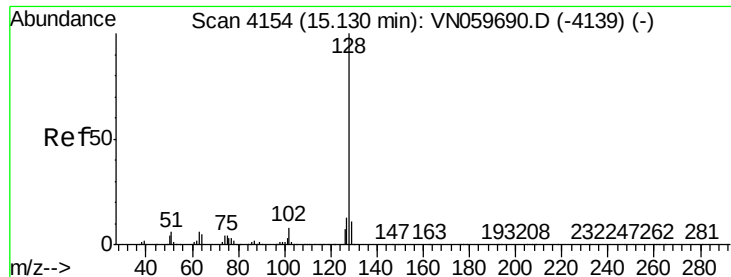
MMDadoda
 1/28/2020 9:24:56 AM



#94
 Hexachlorobutadiene
 Concen: 48.618 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN059885.D
 Acq: 27 Jan 2020 20:09

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	74355		
223	63.7	31.8	95.3	
227	63.5	32.1	96.5	





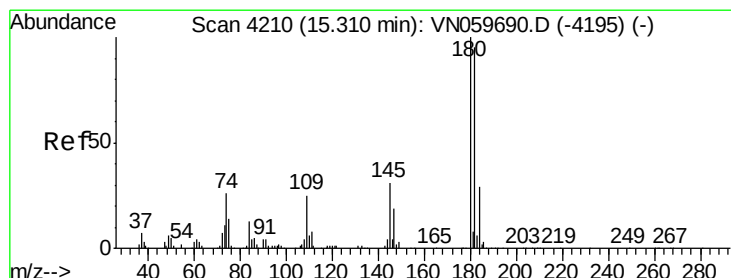
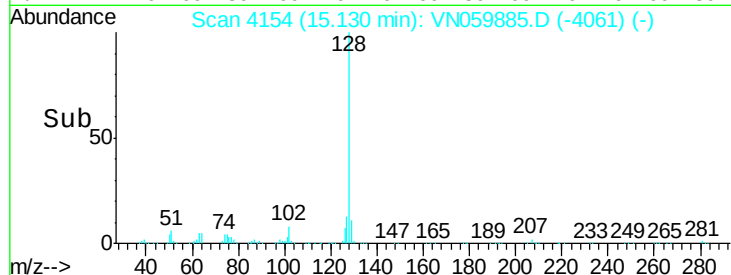
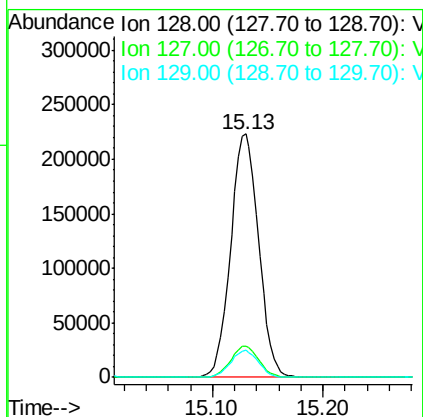
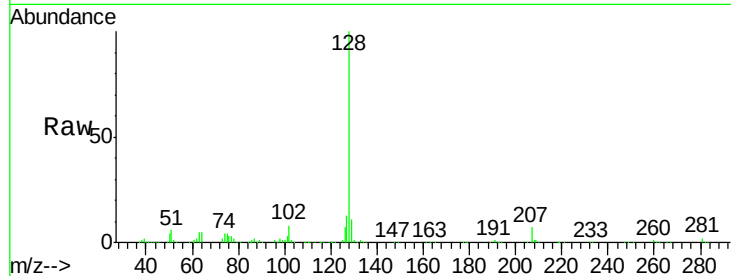
#95
Naphthalene
Concen: 49.657 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN059885.D
Acq: 27 Jan 2020 20:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.4	15.6
129	11.0	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
1/28/2020 9:24:56 AM



#96
1,2,3-Trichlorobenzene
Concen: 49.868 ug/l
RT: 15.31 min Scan# 4210
Delta R.T. 0.00 min
Lab File: VN059885.D
Acq: 27 Jan 2020 20:09

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.3	47.4	142.3
145	31.5	16.3	48.9

