

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN011420\
 Data File : VN059695.D
 Acq On : 14 Jan 2020 9:27
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 1/15/2020 10:55:05 AM

Quant Time: Jan 14 22:21:11 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N011320W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 14 08:58:21 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	194695	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	298180	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	268192	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	134884	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	98949	45.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.52%	
35) Dibromofluoromethane	7.56	113	84507	47.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.04%	
50) Toluene-d8	10.08	98	320478	46.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.04%	
62) 4-Bromofluorobenzene	12.40	95	114594	46.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.28%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	127745	55.711	ug/l	97
3) Chloromethane	2.03	50	121084	54.322	ug/l	99
4) Vinyl Chloride	2.17	62	145141	56.910	ug/l	97
5) Bromomethane	2.54	94	88276	56.717	ug/l	98
6) Chloroethane	2.68	64	66956	55.492	ug/l	100
7) Trichlorofluoromethane	3.00	101	169628	55.383	ug/l	99
8) Diethyl Ether	3.38	74	60462	56.250	ug/l	83
9) 1,1,2-Trichlorotrifluoroet	3.73	101	97905	57.433	ug/l	92
10) Methyl Iodide	3.93	142	145790	52.910	ug/l	95
11) Tert butyl alcohol	4.73	59	92534	254.225	ug/l	100
12) 1,1-Dichloroethene	3.71	96	96578	54.219	ug/l	89
13) Acrolein	3.58	56	63334	245.808	ug/l	96
14) Allyl chloride	4.29	41	145634	60.658	ug/l #	93
15) Acrylonitrile	4.94	53	219411	264.262	ug/l	99
16) Acetone	3.78	43	195203	265.316	ug/l	95
17) Carbon Disulfide	4.03	76	278839	54.952	ug/l	100
18) Methyl Acetate	4.29	43	127884	50.637	ug/l	91
19) Methyl tert-butyl Ether	5.00	73	315537	54.331	ug/l	95
20) Methylene Chloride	4.52	84	103567	53.022	ug/l	90
21) trans-1,2-Dichloroethene	5.01	96	104524	55.203	ug/l	90
22) Diisopropyl ether	5.91	45	297827	54.738	ug/l #	96
23) Vinyl Acetate	5.86	43	1160932	275.585	ug/l	95
24) 1,1-Dichloroethane	5.81	63	182188	54.801	ug/l	98
25) 2-Butanone	6.80	43	319451	260.903	ug/l	94
26) 2,2-Dichloropropane	6.79	77	174299	54.534	ug/l	96
27) cis-1,2-Dichloroethene	6.80	96	119483	54.864	ug/l	88
28) Bromochloromethane	7.17	49	67780	51.010	ug/l #	76
29) Tetrahydrofuran	7.18	42	190077	250.906	ug/l	88
30) Chloroform	7.35	83	191702	55.652	ug/l	98
31) Cyclohexane	7.63	56	166243	51.967	ug/l	90
32) 1,1,1-Trichloroethane	7.54	97	176487	55.413	ug/l	96
36) 1,1-Dichloropropene	7.77	75	145096	55.878	ug/l	96
37) Ethyl Acetate	6.89	43	122872	50.452	ug/l	95
38) Carbon Tetrachloride	7.75	117	159596	56.502	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	181086	56.558	ug/l	92
40) Benzene	8.02	78	423568	54.695	ug/l	100
41) Methacrylonitrile	7.15	41	55205m	46.020	ug/l	
42) 1,2-Dichloroethane	8.10	62	144479	55.025	ug/l	97
43) Isopropyl Acetate	8.14	43	217684	51.965	ug/l #	94
44) Trichloroethene	8.81	130	120906	57.191	ug/l	93
45) 1,2-Dichloropropane	9.10	63	107092	55.885	ug/l	100
46) Dibromomethane	9.19	93	75071	55.535	ug/l	91
47) Bromodichloromethane	9.39	83	154088	56.566	ug/l	99
48) Methyl methacrylate	9.18	41	98842	52.751	ug/l	92
49) 1,4-Dioxane	9.18	88	36683	1069.422	ug/l	92
51) 4-Methyl-2-Pentanone	9.97	43	619616	255.874	ug/l	95
52) Toluene	10.14	92	273027	55.816	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	172708	56.781	ug/l	99
54) cis-1,3-Dichloropropene	9.82	75	183242	57.257	ug/l	93
55) 1,1,2-Trichloroethane	10.55	97	105802	54.612	ug/l	98
56) Ethyl methacrylate	10.42	69	161611	54.593	ug/l	91
57) 1,3-Dichloropropane	10.70	76	171731	55.833	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	214478	240.542	ug/l	92
59) 2-Hexanone	10.74	43	498853	279.630	ug/l	94
60) Dibromochloromethane	10.89	129	125267	56.780	ug/l	99
61) 1,2-Dibromoethane	10.99	107	112234	55.272	ug/l	99
64) Tetrachloroethene	10.62	164	110229	50.430	ug/l	96
65) Chlorobenzene	11.43	112	292189	55.429	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	114956	56.438	ug/l	99
67) Ethyl Benzene	11.50	91	528146	55.192	ug/l	97
68) m/p-Xylenes	11.62	106	406388	112.426	ug/l	94
69) o-Xylene	11.94	106	196333	55.480	ug/l	94
70) Styrene	11.96	104	336659	56.852	ug/l	96
71) Bromoform	12.12	173	93080	57.050	ug/l #	99
73) Isopropylbenzene	12.25	105	526972	53.271	ug/l	99
74) N-amyl acetate	12.06	43	197280	51.395	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.50	83	147734	51.515	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	130351m	57.424	ug/l	
77) Bromobenzene	12.52	156	134603	53.731	ug/l	80
78) n-propylbenzene	12.59	91	605405	54.526	ug/l	97
79) 2-Chlorotoluene	12.67	91	348604	52.777	ug/l	94
80) 1,3,5-Trimethylbenzene	12.73	105	450183	54.112	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.29	75	56545	53.495	ug/l	93
82) 4-Chlorotoluene	12.77	91	362099	54.655	ug/l	95
83) tert-Butylbenzene	12.99	119	386059	53.654	ug/l	94
84) 1,2,4-Trimethylbenzene	13.04	105	453902	55.148	ug/l	99
85) sec-Butylbenzene	13.17	105	517787	54.772	ug/l	99
86) p-Isopropyltoluene	13.28	119	475354	54.343	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	241383	55.471	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	241443	55.618	ug/l	98
89) n-Butylbenzene	13.61	91	428116	57.401	ug/l	98
90) Hexachloroethane	13.87	117	89580	54.735	ug/l	88
91) 1,2-Dichlorobenzene	13.65	146	235030	54.633	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.26	75	32410	52.769	ug/l	81

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	158529	61.327	ug/l	98
94) Hexachlorobutadiene	15.01	225	80460	56.484	ug/l	99
95) Naphthalene	15.13	128	427710	58.171	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	150537	59.829	ug/l	99

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

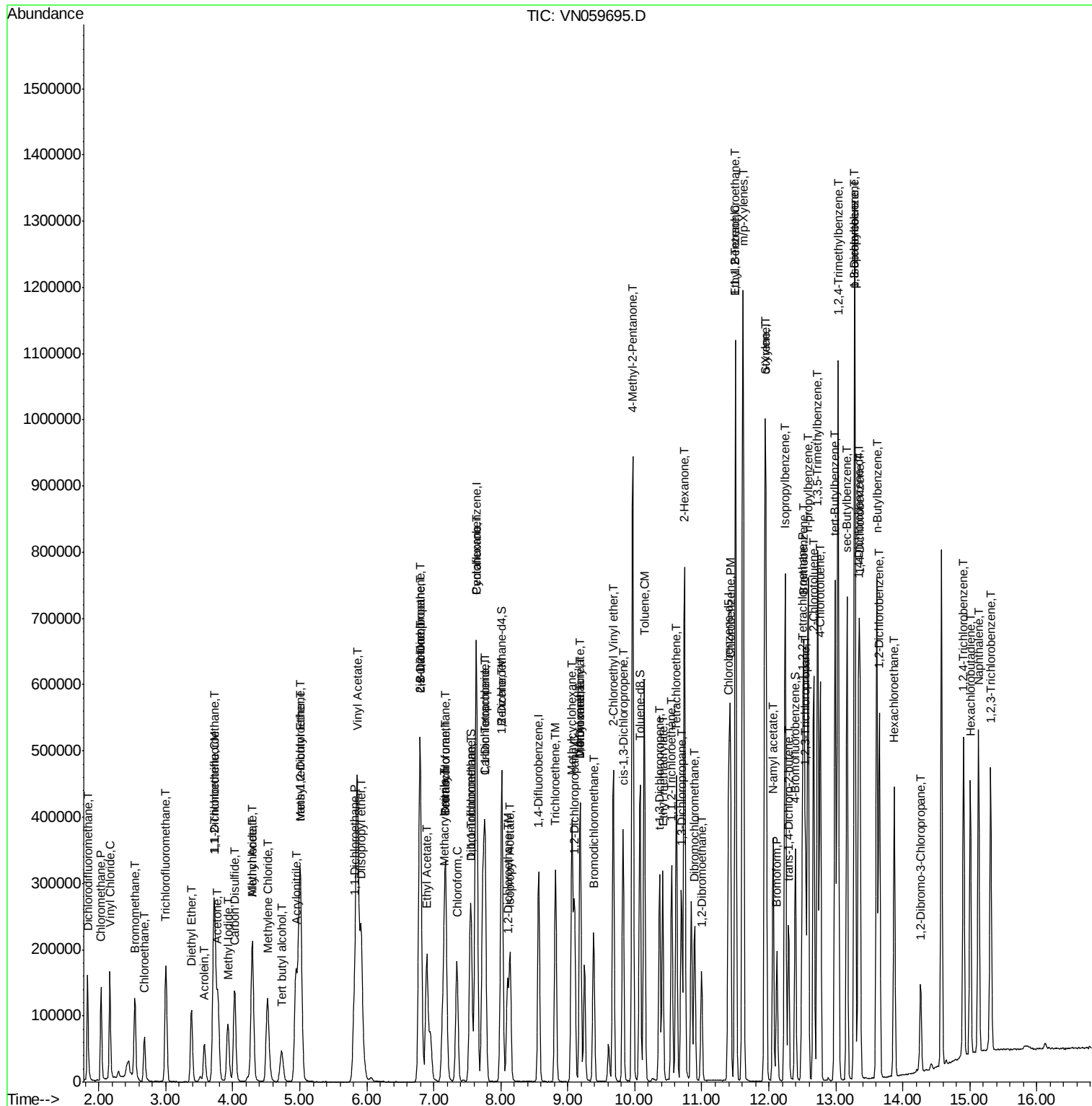
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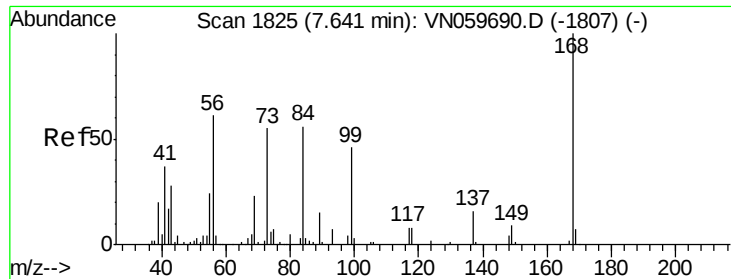
Instrument :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. 0.00 min

Lab File: VN059695.D

Acq: 14 Jan 2020 9:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 194695

Ion Ratio Lower Upper

168 100

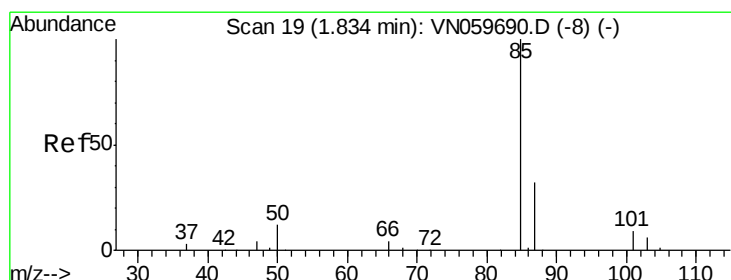
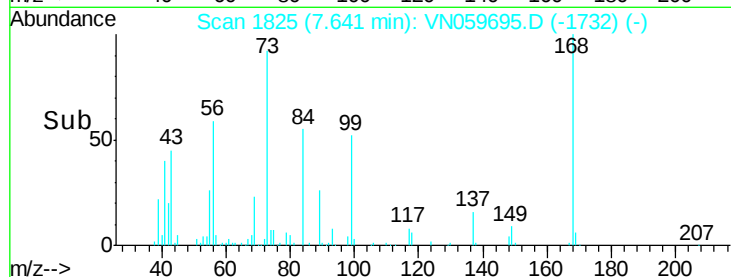
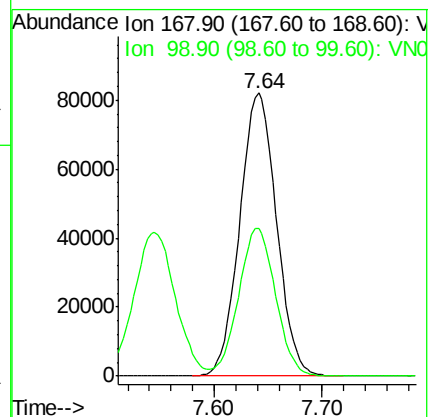
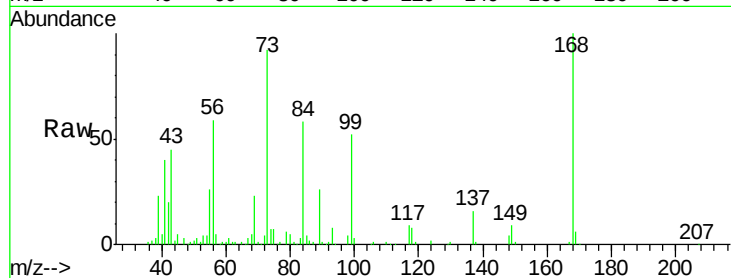
99 52.4 48.2 72.4

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 55.711 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN059695.D

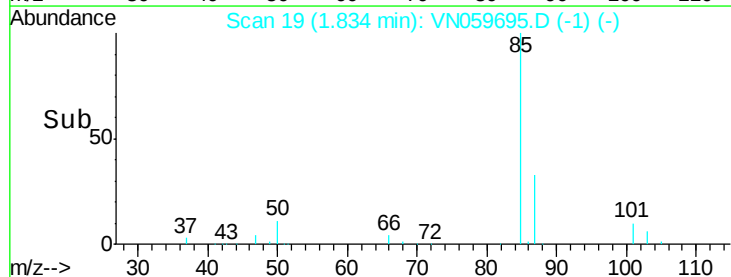
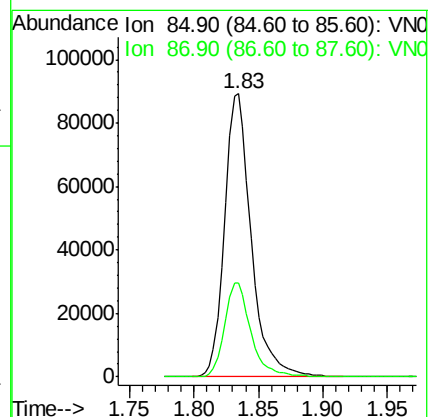
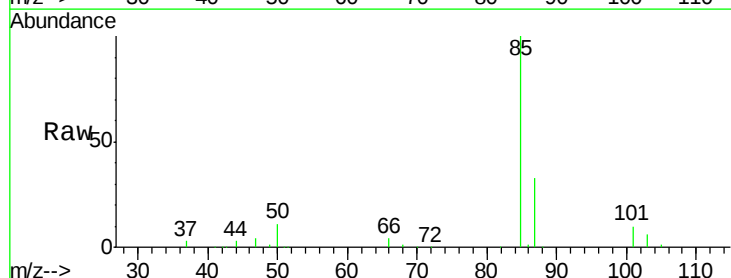
Acq: 14 Jan 2020 9:27

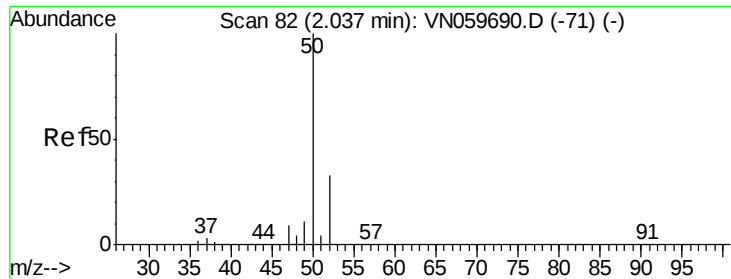
Tgt Ion: 85 Resp: 127745

Ion Ratio Lower Upper

85 100

87 33.4 15.9 47.7





#3

Chloromethane

Concen: 54.322 ug/l

RT: 2.03 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN059695.D

Acq: 14 Jan 2020 9:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 121084

Ion Ratio Lower Upper

50 100

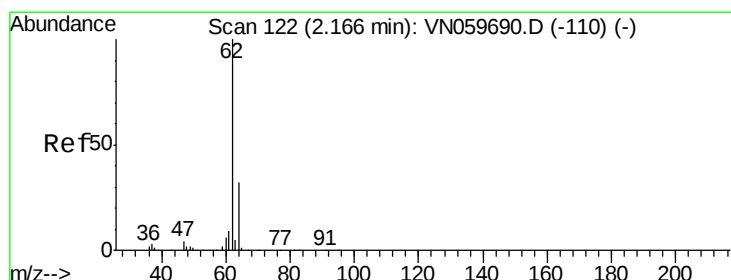
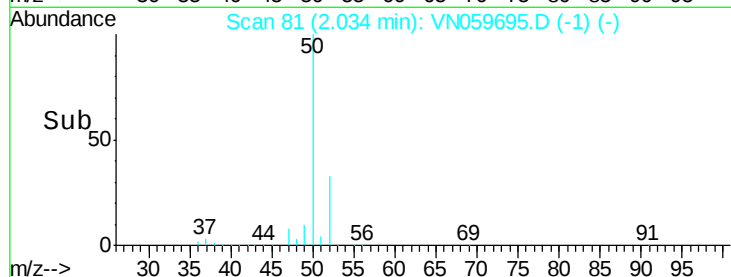
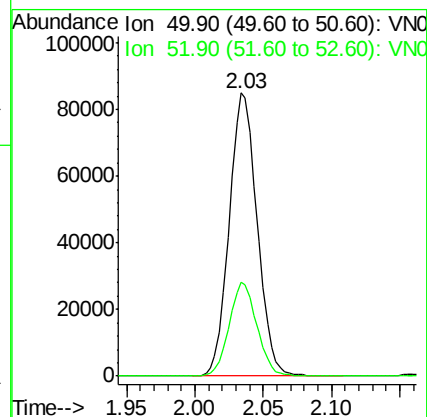
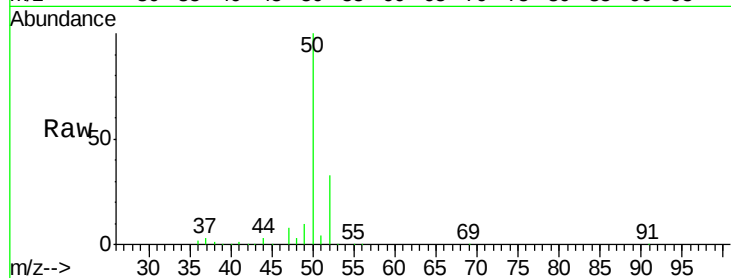
52 33.1 25.9 38.9

Manual Integrations

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#4

Vinyl Chloride

Concen: 56.910 ug/l

RT: 2.17 min Scan# 122

Delta R.T. 0.00 min

Lab File: VN059695.D

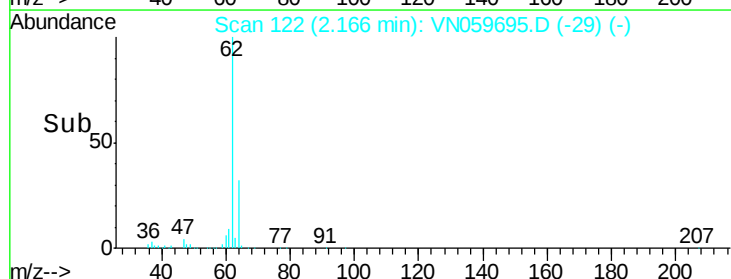
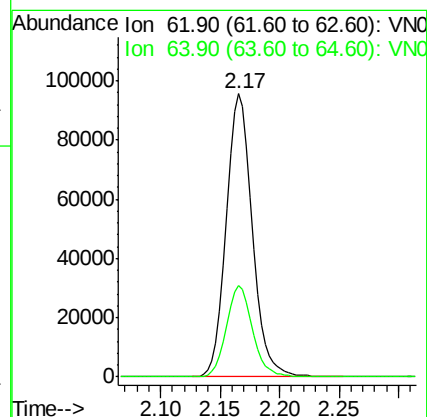
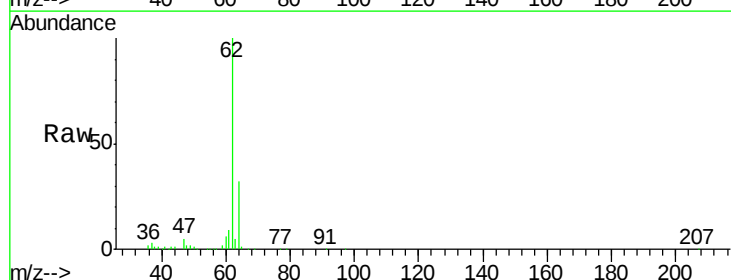
Acq: 14 Jan 2020 9:27

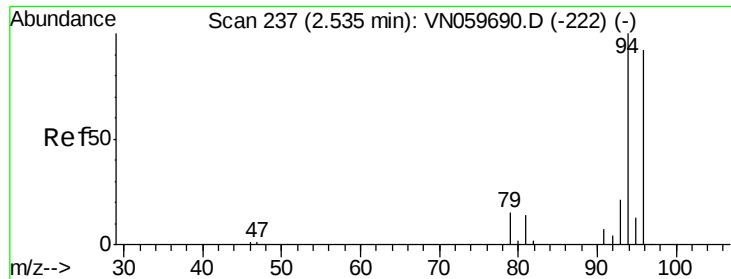
Tgt Ion: 62 Resp: 145141

Ion Ratio Lower Upper

62 100

64 32.3 24.6 37.0





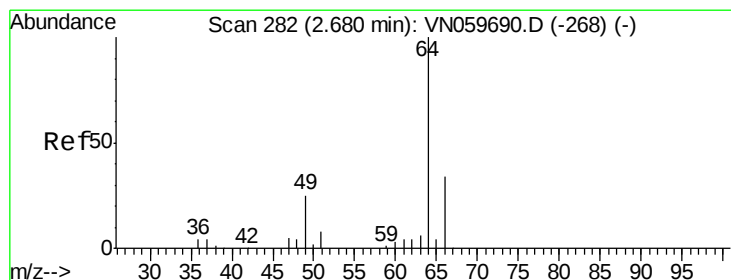
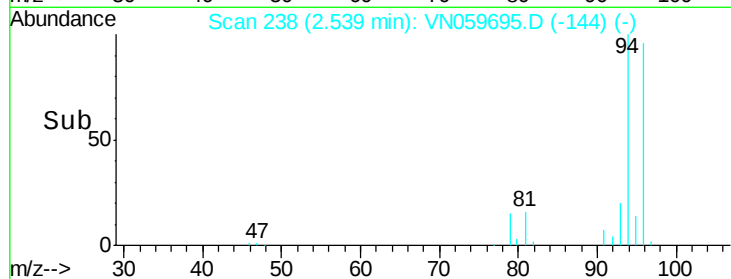
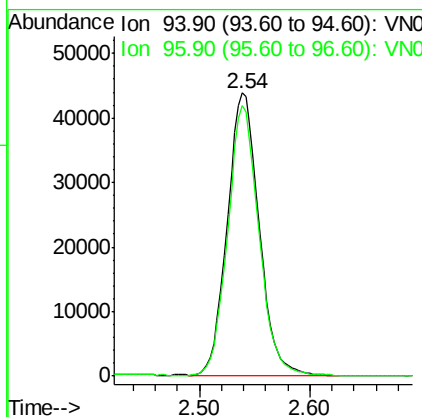
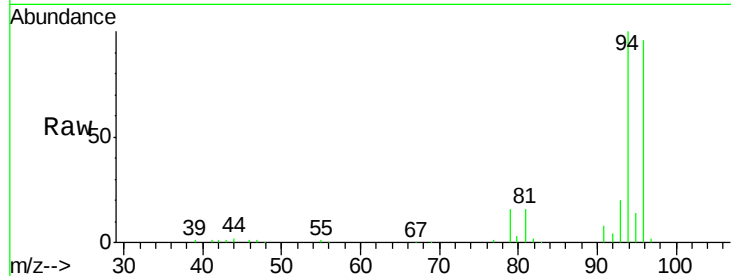
#5
Bromomethane
Concen: 56.717 ug/l
RT: 2.54 min Scan# 238
Delta R.T. 0.00 min
Lab File: VN059695.D
Acq: 14 Jan 2020 9:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 94 Resp: 88276
Ion Ratio Lower Upper
94 100
96 95.7 74.7 112.1

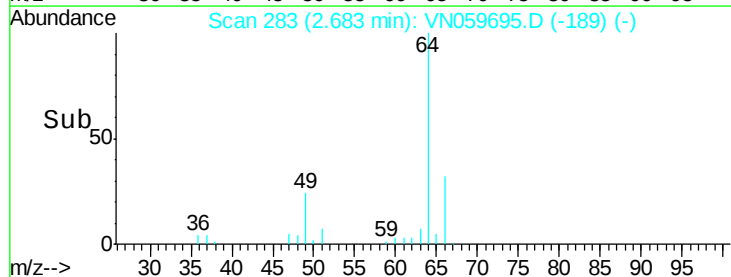
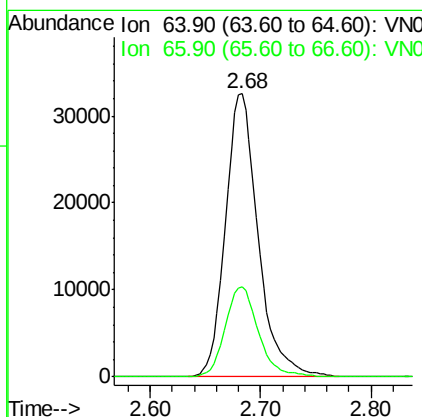
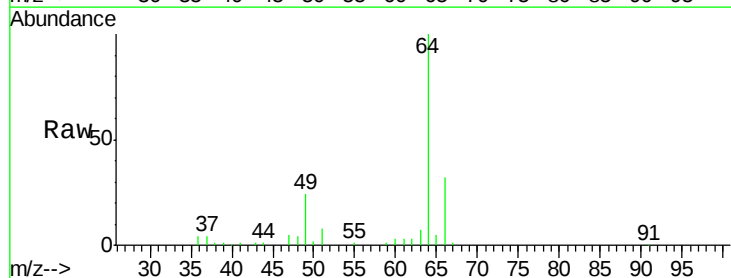
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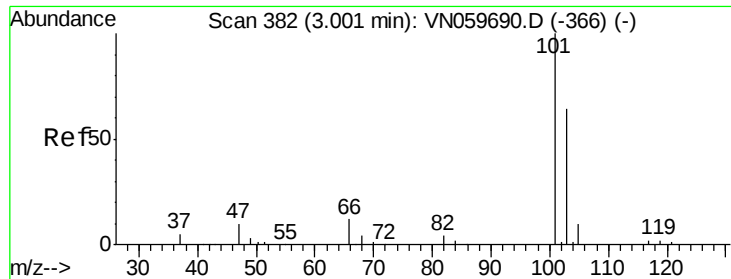
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1/15/2020 10:55:05 AM



#6
Chloroethane
Concen: 55.492 ug/l
RT: 2.68 min Scan# 283
Delta R.T. 0.00 min
Lab File: VN059695.D
Acq: 14 Jan 2020 9:27

Tgt Ion: 64 Resp: 66956
Ion Ratio Lower Upper
64 100
66 31.6 25.1 37.7





#7

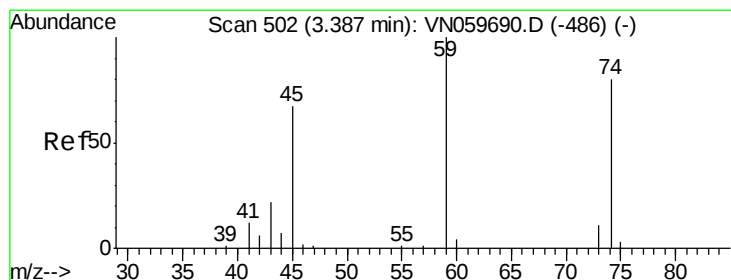
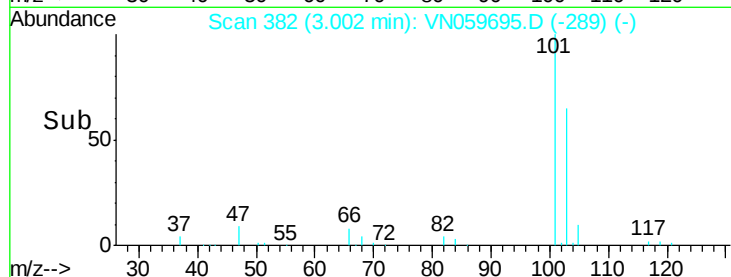
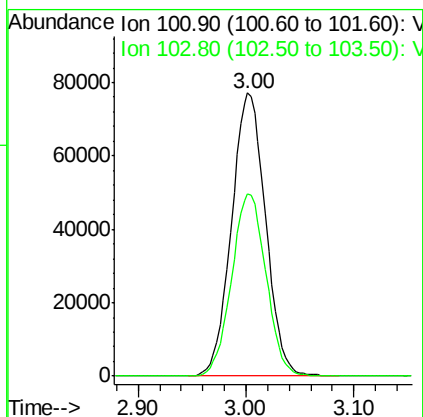
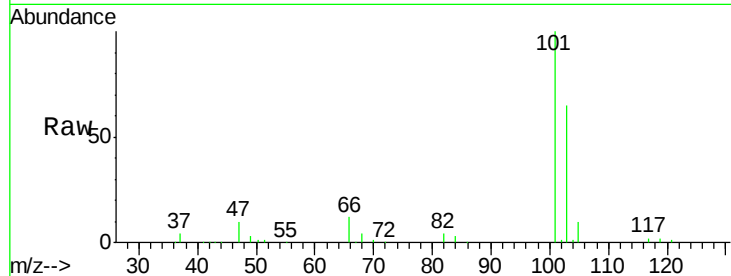
Trichlorofluoromethane
Concen: 55.383 ug/l
RT: 3.00 min Scan# 382
Delta R.T. 0.00 min
Lab File: VN059695.D
Acq: 14 Jan 2020 9:27

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Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		169628		
103	64.5	51.0	76.6		

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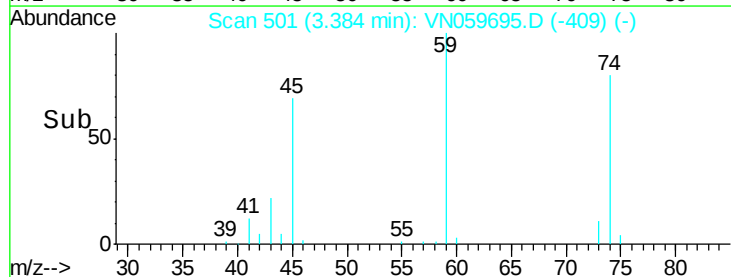
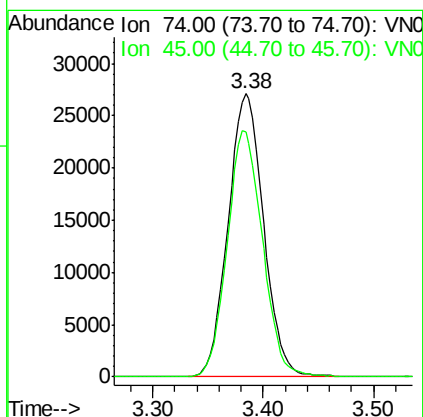
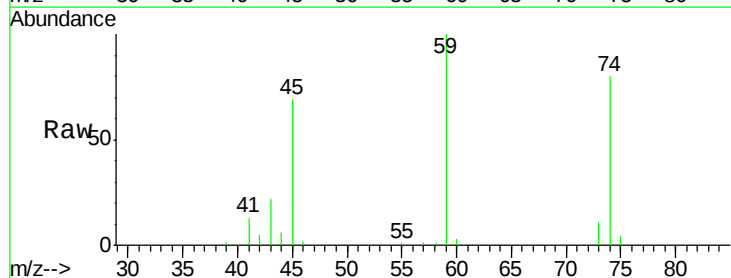
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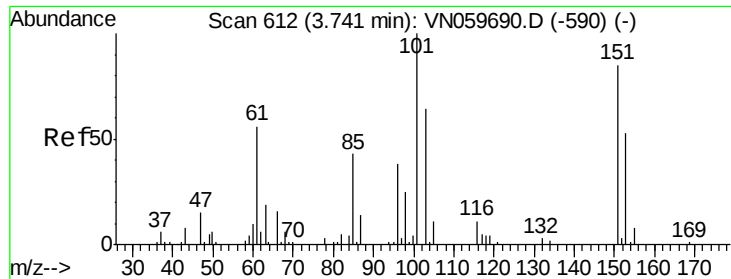


#8

Diethyl Ether
Concen: 56.250 ug/l
RT: 3.38 min Scan# 501
Delta R.T. -0.00 min
Lab File: VN059695.D
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Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		60462		
45	86.4	51.9	155.8		





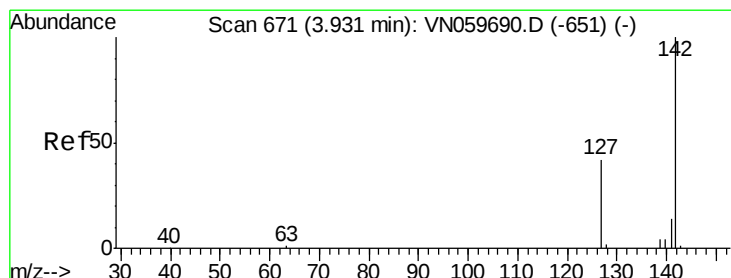
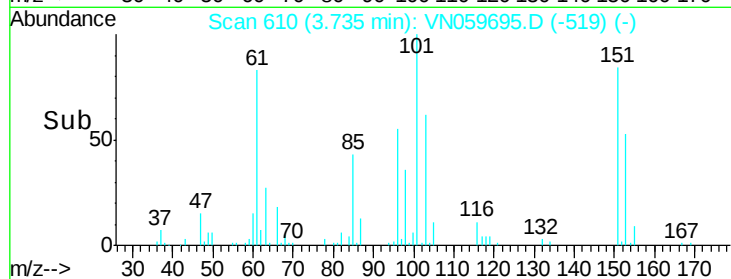
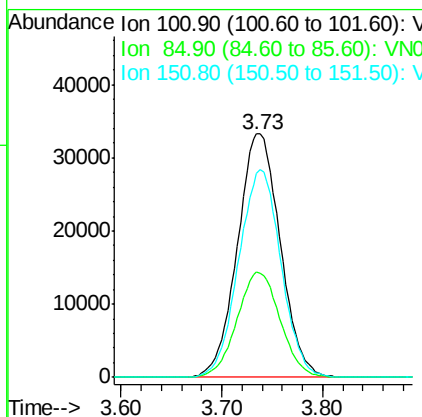
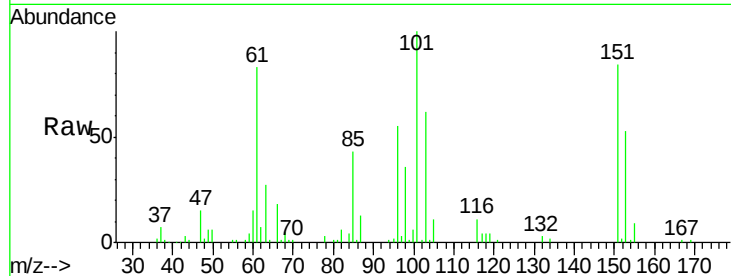
#9
1,1,2-Trichlorotrifluoroethane
Concen: 57.433 ug/l
RT: 3.73 min Scan# 610
Delta R.T. -0.01 min
Lab File: VN059695.D
Acq: 14 Jan 2020 9:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
85	43.5	36.6	54.8
151	84.4	59.7	89.5

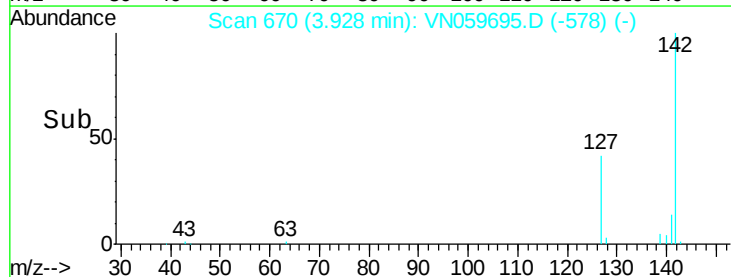
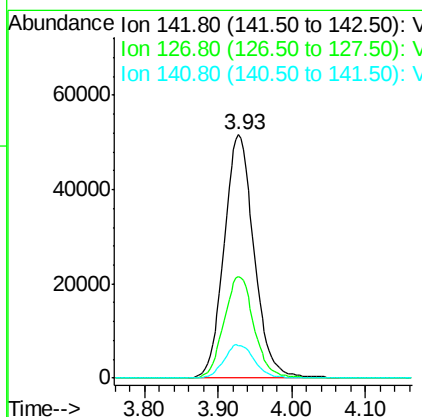
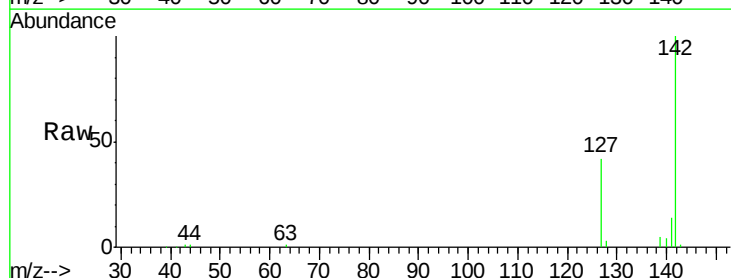
Manual Integrations
APPROVED

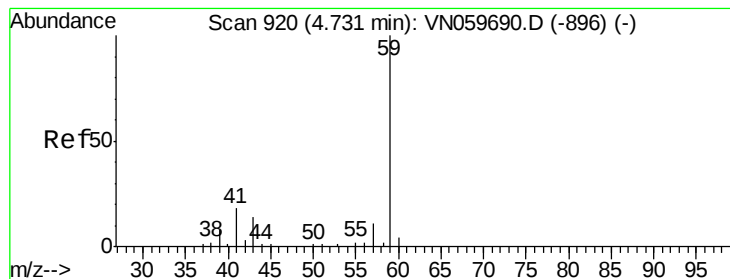
MMDadoda
1/15/2020 10:55:05 AM



#10
Methyl Iodide
Concen: 52.910 ug/l
RT: 3.93 min Scan# 670
Delta R.T. -0.00 min
Lab File: VN059695.D
Acq: 14 Jan 2020 9:27

Tgt Ion	Ratio	Lower	Upper
142	100		
127	41.9	36.7	55.1
141	13.9	11.7	17.5





#11

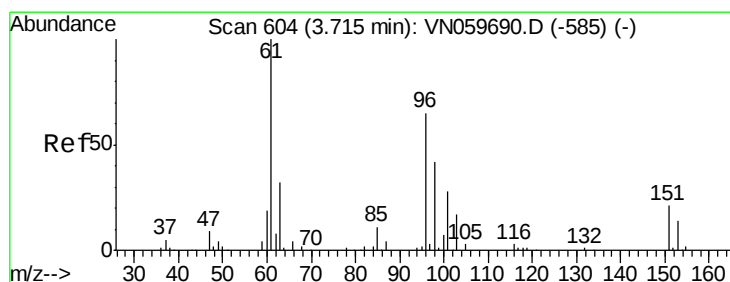
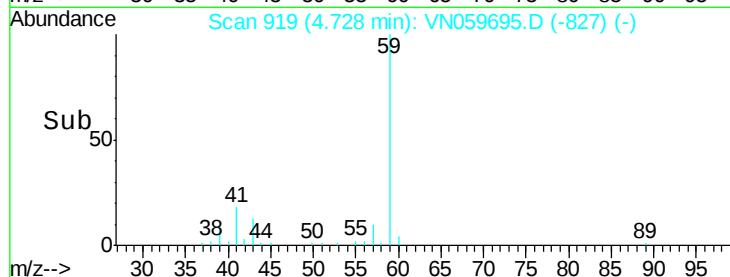
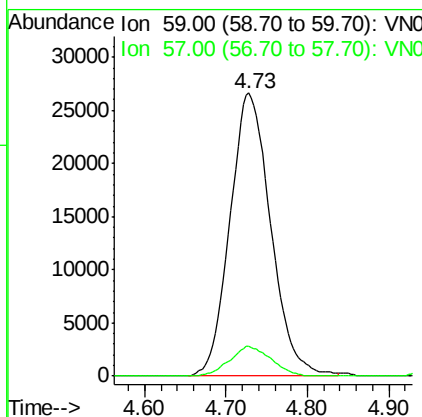
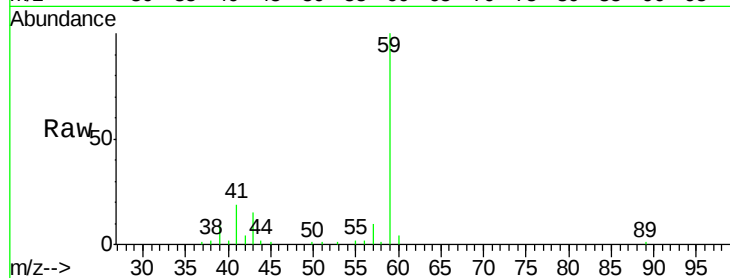
Tert butyl alcohol
Concen: 254.225 ug/l
RT: 4.73 min Scan# 919
Delta R.T. -0.00 min
Lab File: VN059695.D
Acq: 14 Jan 2020 9:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.6	8.6	12.8

Manual Integrations
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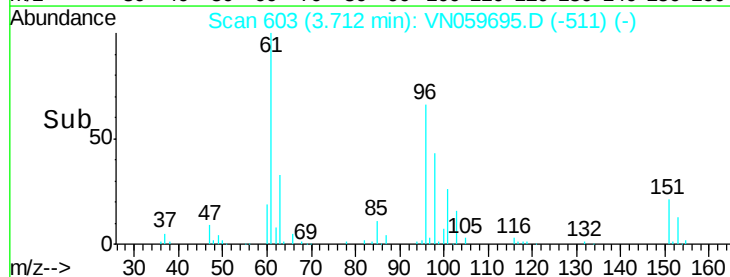
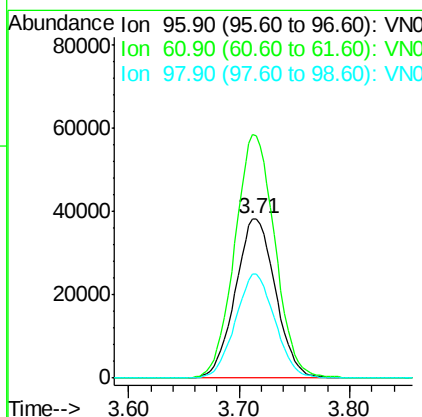
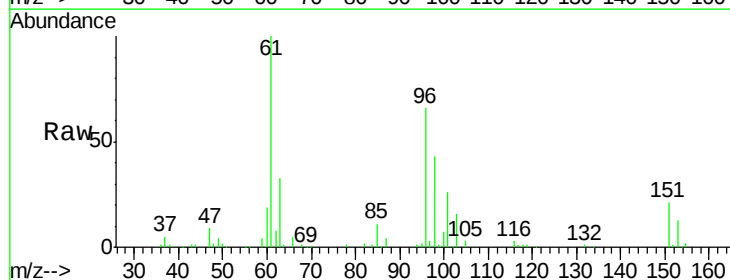
MMDadoda
1/15/2020 10:55:05 AM

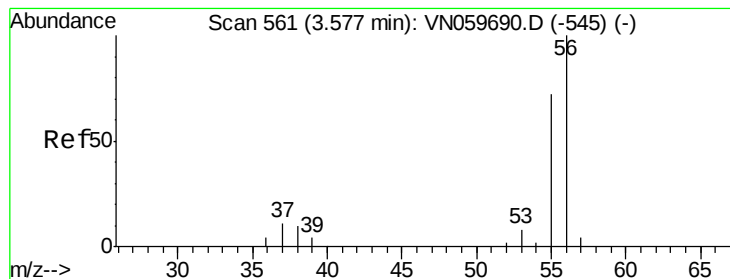


#12

1,1-Dichloroethene
Concen: 54.219 ug/l
RT: 3.71 min Scan# 603
Delta R.T. -0.00 min
Lab File: VN059695.D
Acq: 14 Jan 2020 9:27

Tgt Ion	Ratio	Lower	Upper
96	100		
61	152.6	137.5	206.3
98	64.9	50.2	75.4





#13

Acrolein

Concen: 245.808 ug/l

RT: 3.58 min Scan# 561

Delta R.T. 0.00 min

Lab File: VN059695.D

Acq: 14 Jan 2020 9:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 63334

Ion Ratio Lower Upper

56 100

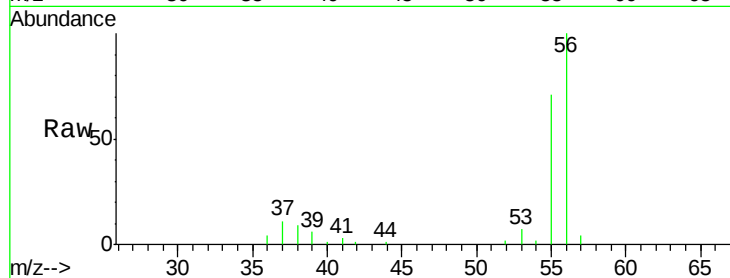
55 70.3 58.6 88.0

Manual Integrations

APPROVED

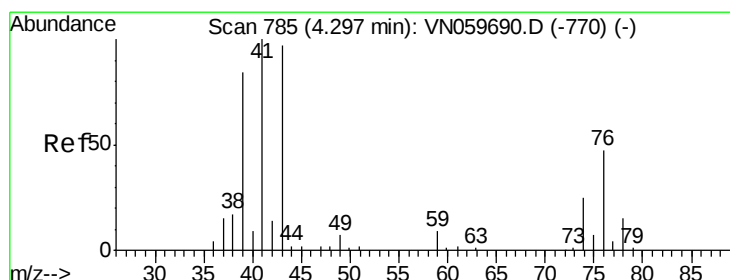
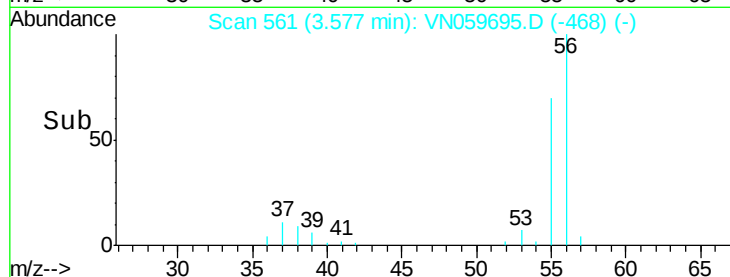
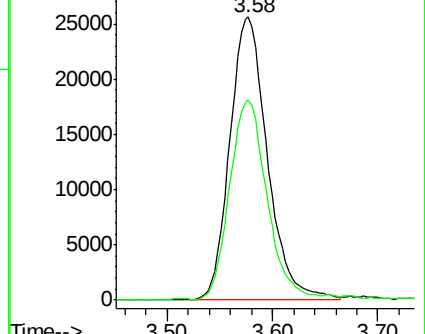
MMDadoda

1/15/2020 10:55:05 AM



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 60.658 ug/l

RT: 4.29 min Scan# 784

Delta R.T. -0.00 min

Lab File: VN059695.D

Acq: 14 Jan 2020 9:27

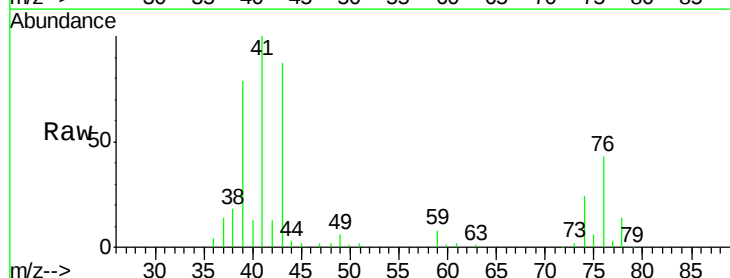
Tgt Ion: 41 Resp: 145634

Ion Ratio Lower Upper

41 100

39 74.8 57.8 86.8

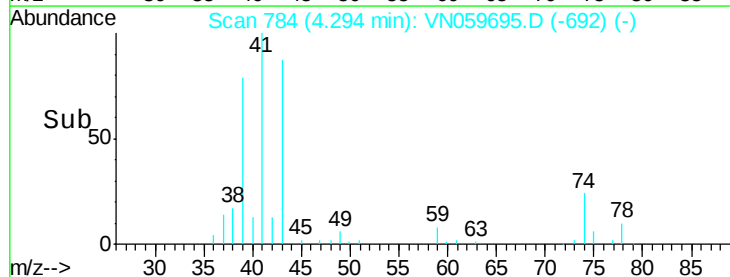
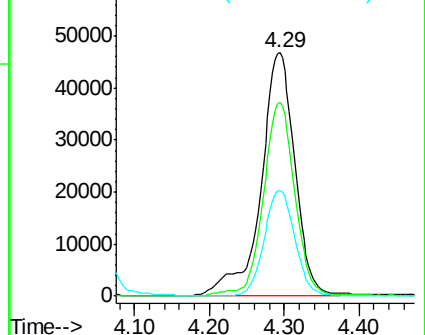
76 39.9 25.4 38.0#

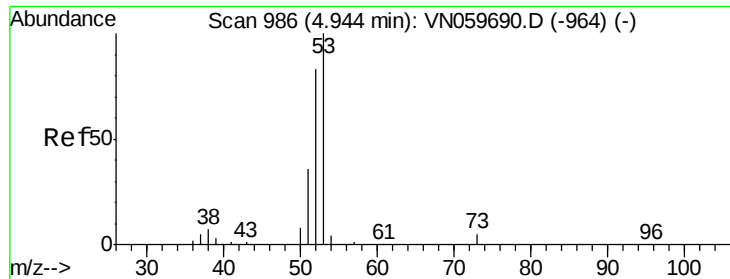


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 264.262 ug/l

RT: 4.94 min Scan# 985

Delta R.T. -0.00 min

Lab File: VN059695.D

Acq: 14 Jan 2020 9:27

Instrument :

MSVOA_N

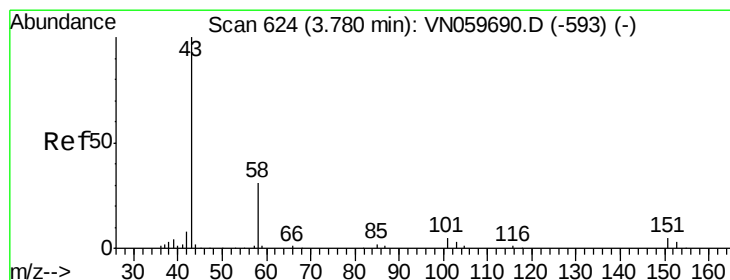
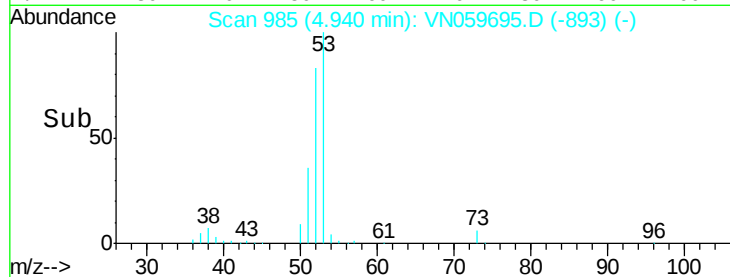
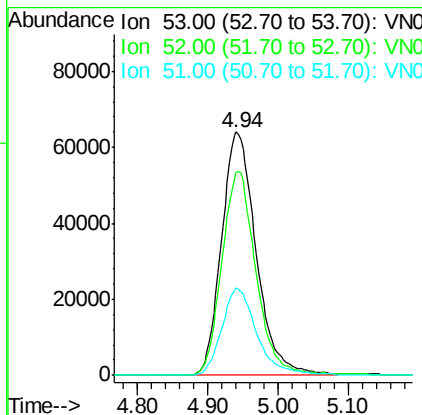
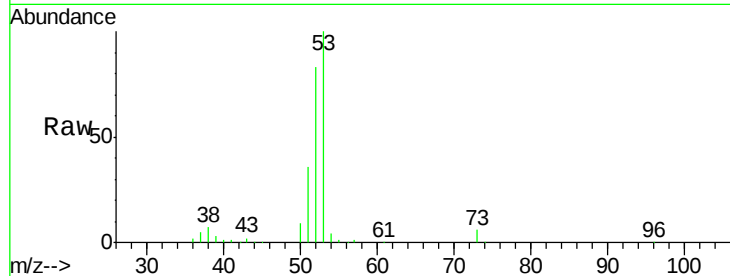
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	219411
Ion Ratio	Lower	Upper	
53	100		
52	82.0	66.3	99.5
51	36.3	29.7	44.5

Manual Integrations
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1/15/2020 10:55:05 AM



#16

Acetone

Concen: 265.316 ug/l

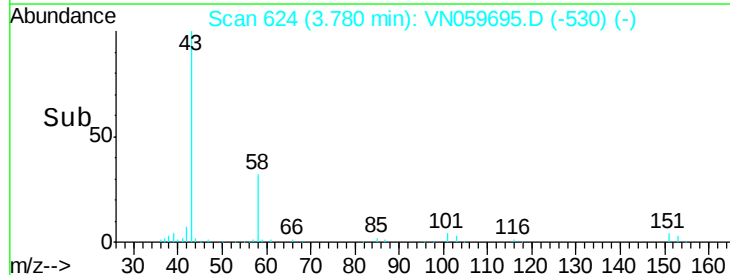
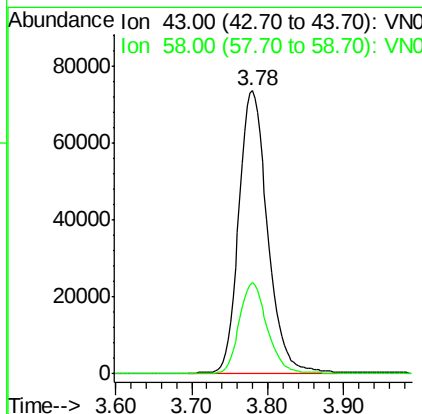
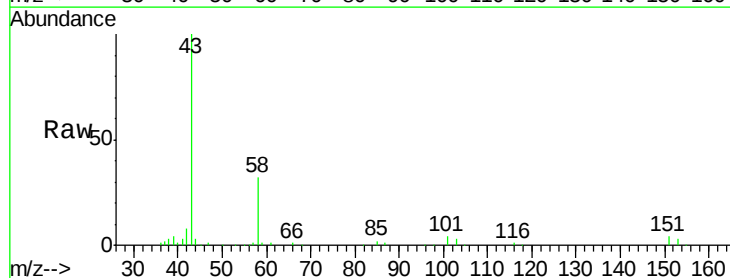
RT: 3.78 min Scan# 624

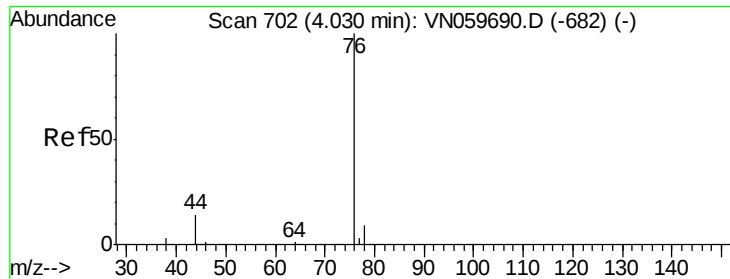
Delta R.T. 0.00 min

Lab File: VN059695.D

Acq: 14 Jan 2020 9:27

Tgt Ion:	43	Resp:	195203
Ion Ratio	Lower	Upper	
43	100		
58	32.3	23.6	35.4





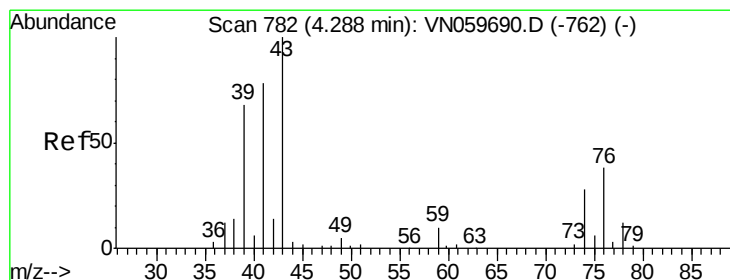
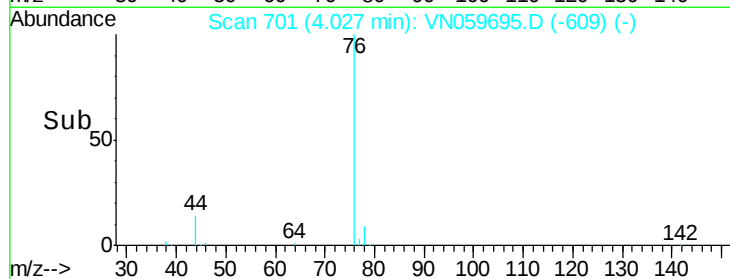
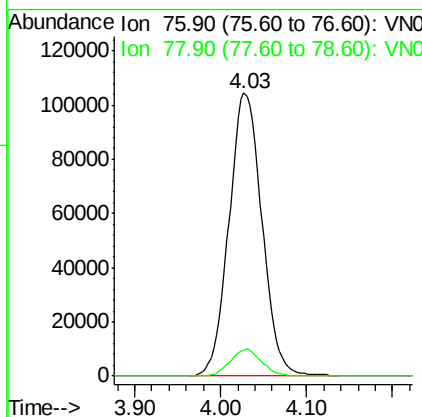
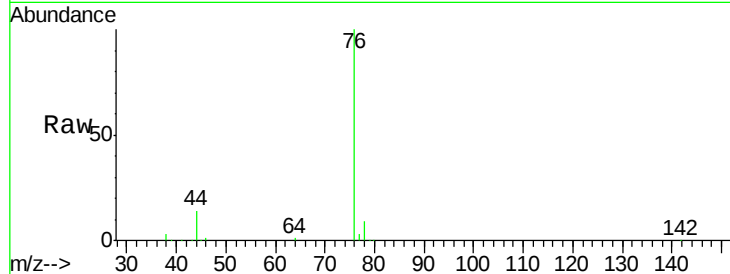
#17
Carbon Disulfide
Concen: 54.952 ug/l
RT: 4.03 min Scan# 701
Delta R.T. -0.00 min
Lab File: VN059695.D
Acq: 14 Jan 2020 9:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.4	11.0

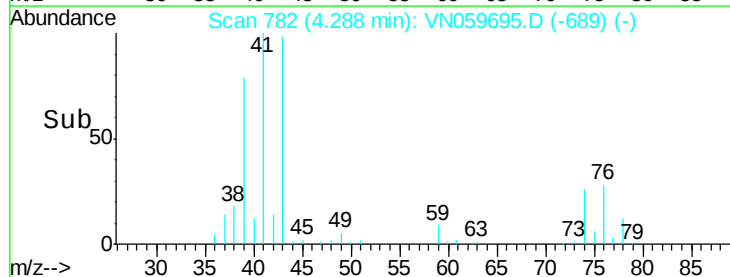
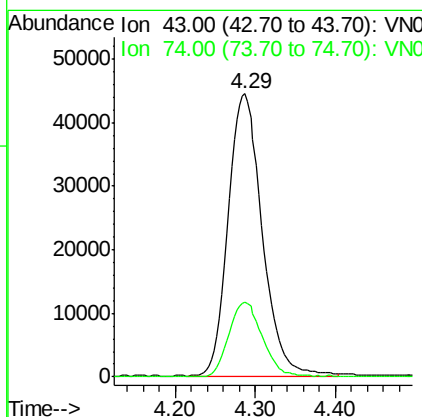
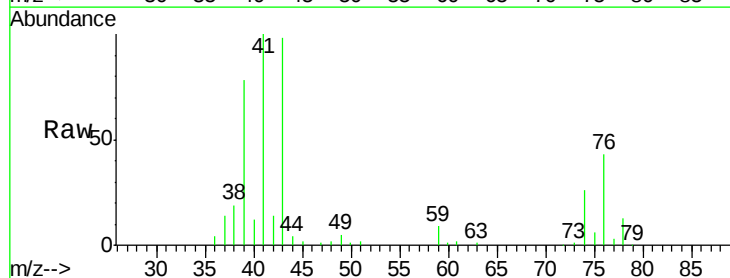
Manual Integrations
APPROVED

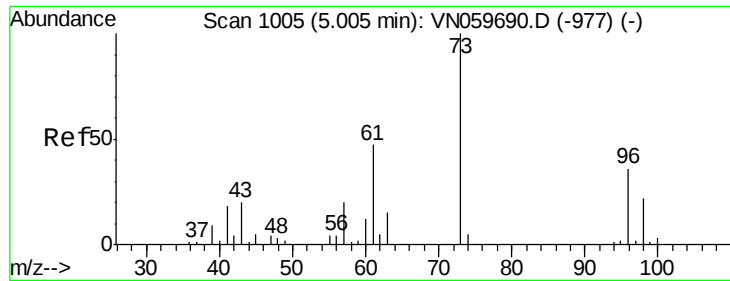
MMDadoda
1/15/2020 10:55:05 AM



#18
Methyl Acetate
Concen: 50.637 ug/l
RT: 4.29 min Scan# 782
Delta R.T. 0.00 min
Lab File: VN059695.D
Acq: 14 Jan 2020 9:27

Tgt Ion	Ratio	Lower	Upper
43	100		
74	26.2	17.5	26.3





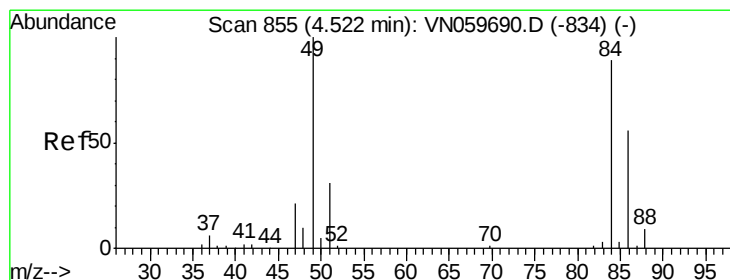
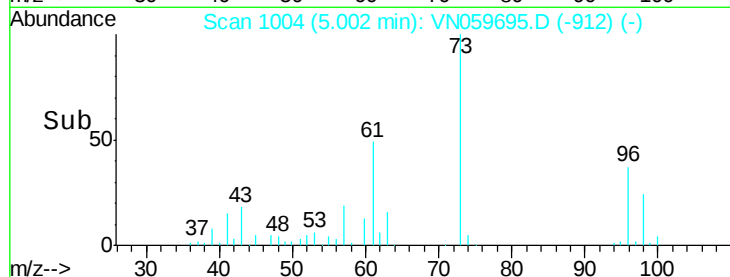
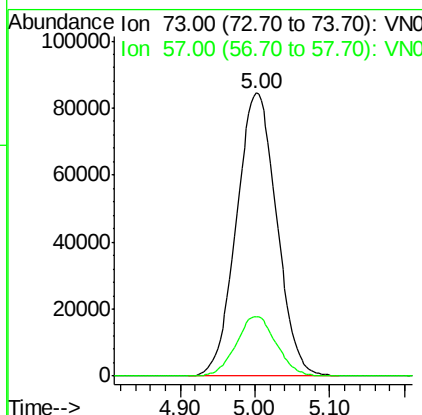
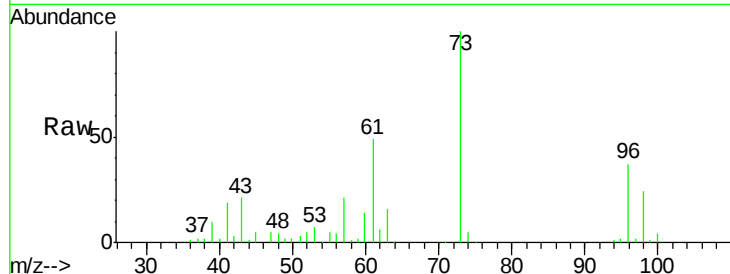
#19
Methvl tert-butvl Ether
Concen: 54.331 ug/l
RT: 5.00 min Scan# 1004
Delta R.T. -0.00 min
Lab File: VN059695.D
Acq: 14 Jan 2020 9:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 315537
Ion Ratio Lower Upper
73 100
57 20.9 18.6 27.8

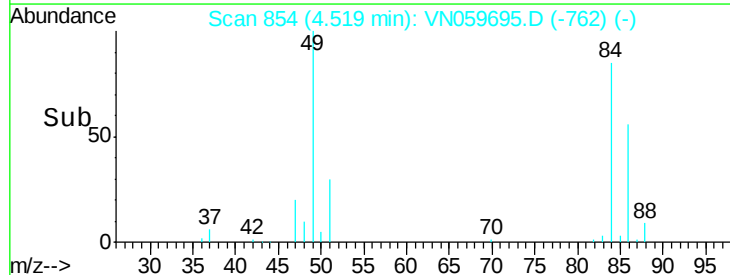
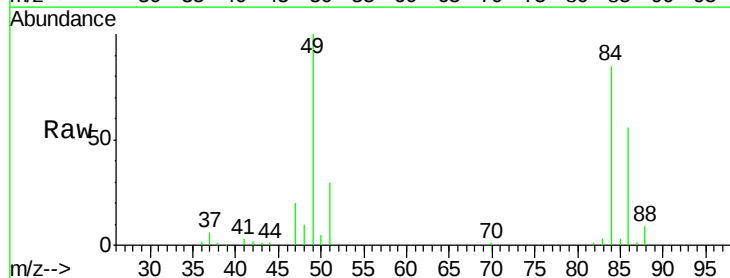
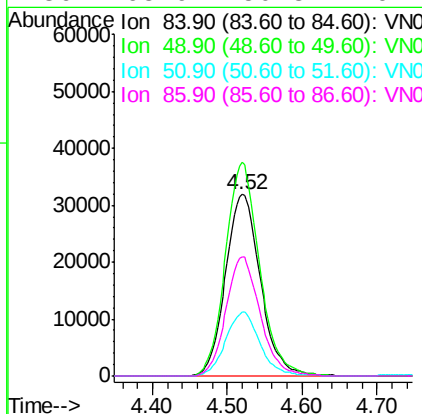
Manual Integrations
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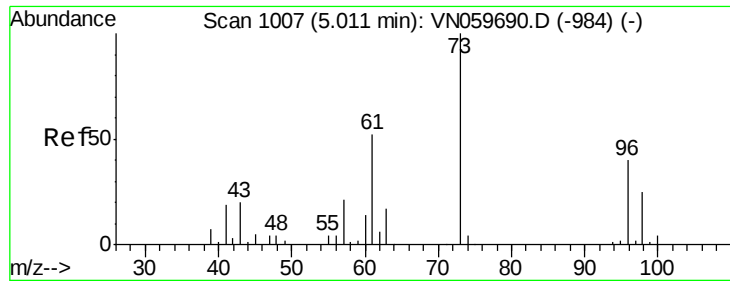
MMDadoda
1/15/2020 10:55:05 AM



#20
Methylene Chloride
Concen: 53.022 ug/l
RT: 4.52 min Scan# 854
Delta R.T. -0.00 min
Lab File: VN059695.D
Acq: 14 Jan 2020 9:27

Tgt Ion: 84 Resp: 103567
Ion Ratio Lower Upper
84 100
49 117.6 106.6 160.0
51 35.3 31.9 47.9
86 65.9 50.8 76.2





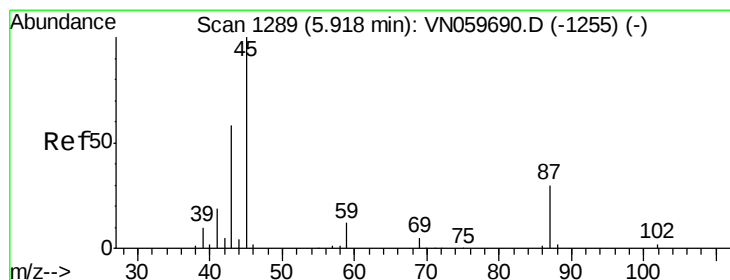
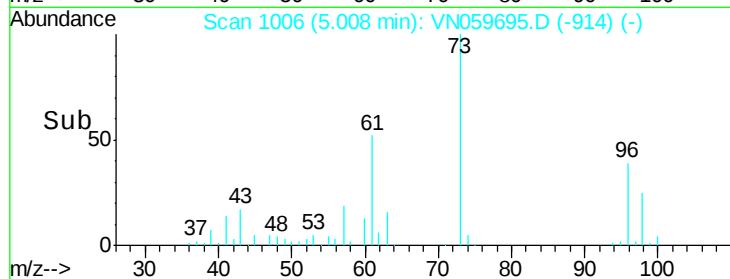
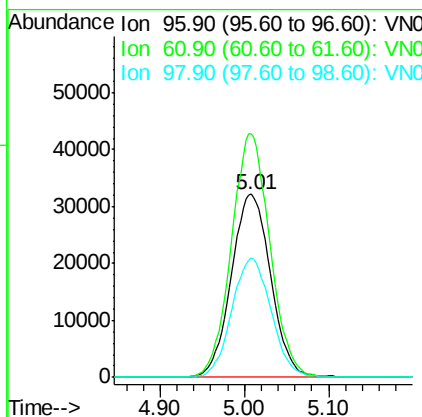
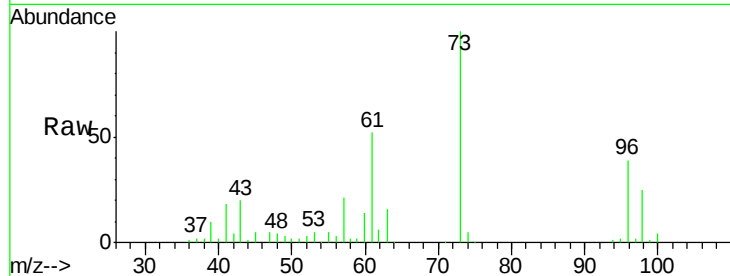
#21
trans-1,2-Dichloroethene
Concen: 55.203 ug/l
RT: 5.01 min Scan# 1006
Delta R.T. -0.00 min
Lab File: VN059695.D
Acq: 14 Jan 2020 9:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	133.0	120.4	180.6
98	64.9	50.6	75.8

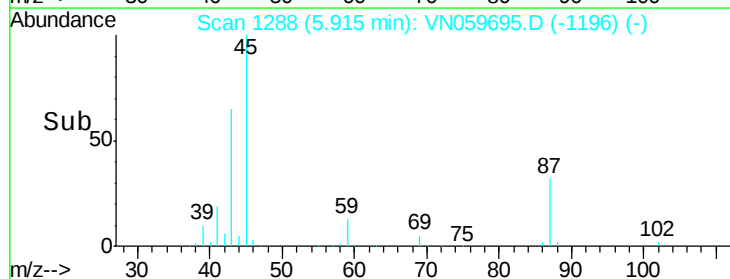
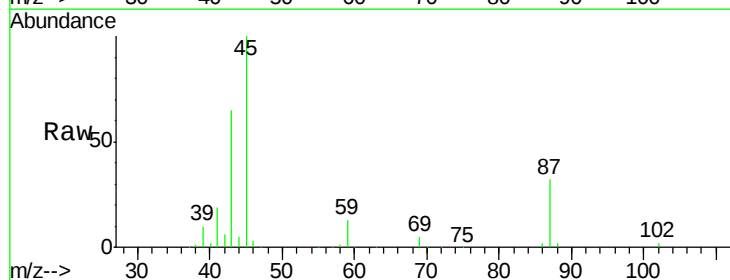
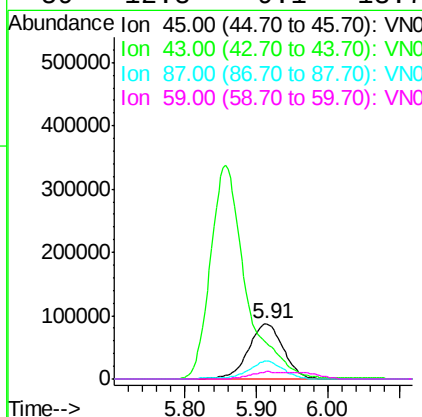
Manual Integrations
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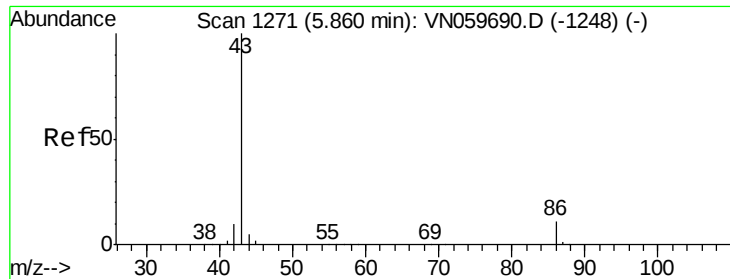
MMDadoda
1/15/2020 10:55:05 AM



#22
Diisopropyl ether
Concen: 54.738 ug/l
RT: 5.91 min Scan# 1288
Delta R.T. -0.00 min
Lab File: VN059695.D
Acq: 14 Jan 2020 9:27

Tgt Ion	Ratio	Lower	Upper
45	100		
43	63.4	50.8	76.2
87	32.4	21.0	31.6
59	12.8	9.1	13.7





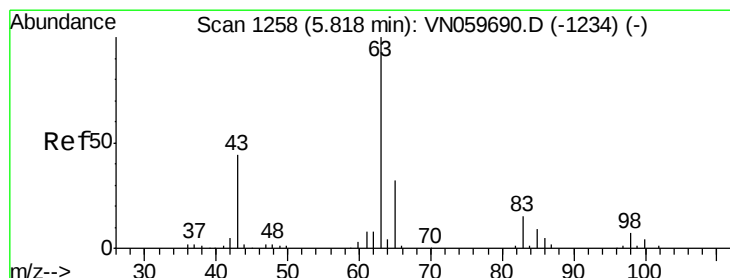
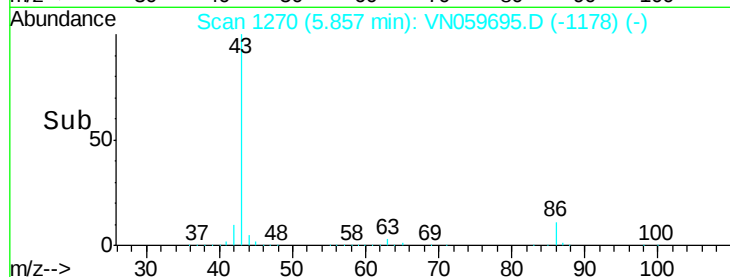
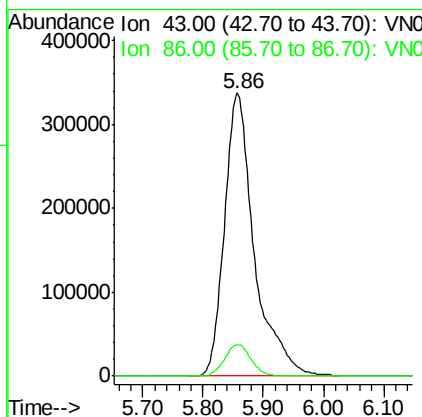
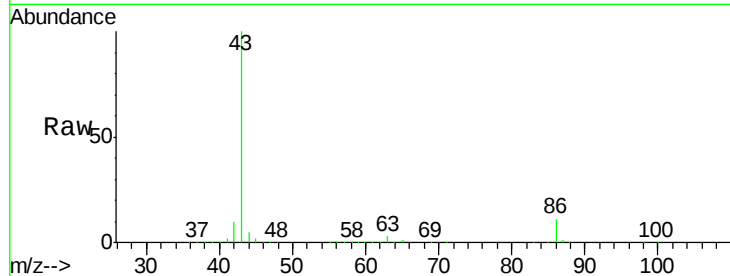
#23
 Vinyl Acetate
 Concen: 275.585 ug/l
 RT: 5.86 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VN059695.D
 Acq: 14 Jan 2020 9:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 43 Resp: 1160932
 Ion Ratio Lower Upper
 43 100
 86 11.2 7.6 11.4

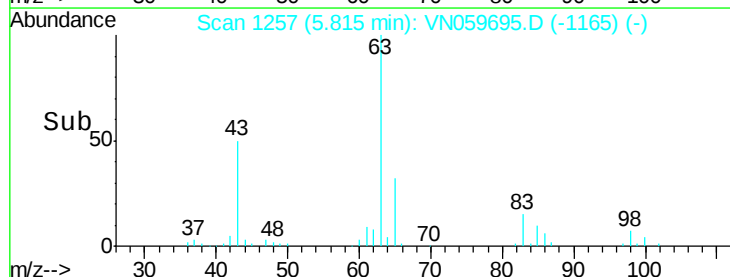
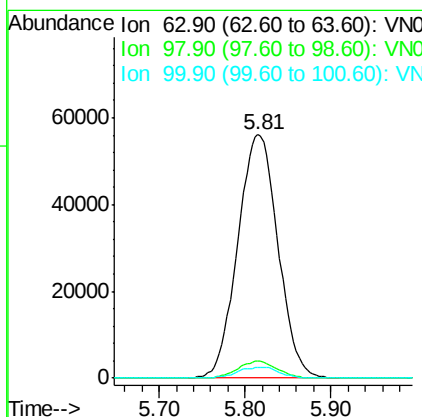
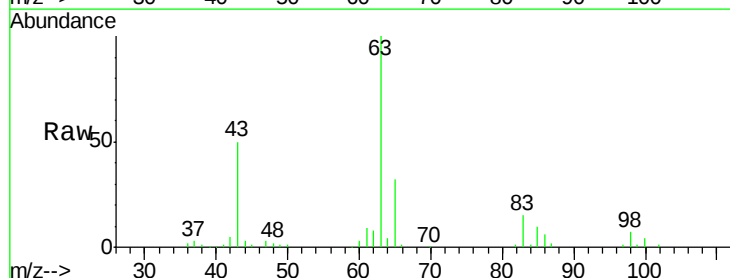
Manual Integrations
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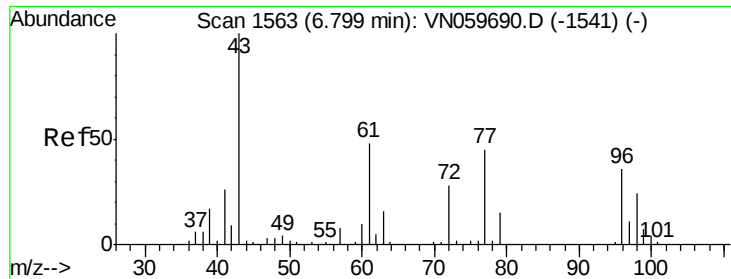
MMDadoda
 1/15/2020 10:55:05 AM



#24
 1,1-Dichloroethane
 Concen: 54.801 ug/l
 RT: 5.81 min Scan# 1257
 Delta R.T. -0.00 min
 Lab File: VN059695.D
 Acq: 14 Jan 2020 9:27

Tgt Ion: 63 Resp: 182188
 Ion Ratio Lower Upper
 63 100
 98 7.0 2.9 8.7
 100 4.2 2.0 6.0





#25

2-Butanone

Concen: 260.903 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.00 min

Lab File: VN059695.D

Acq: 14 Jan 2020 9:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 319451

Ion Ratio Lower Upper

43 100

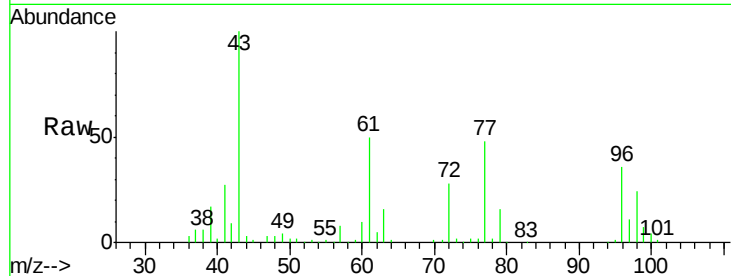
72 28.1 19.9 29.9

Manual Integrations

APPROVED

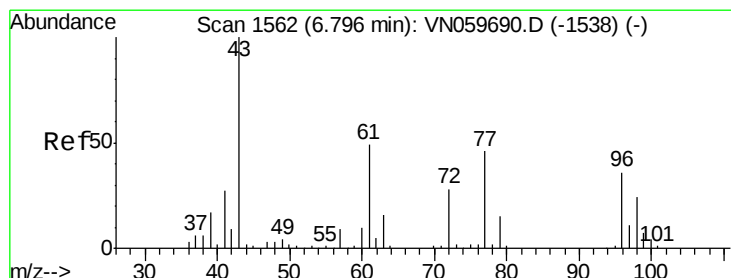
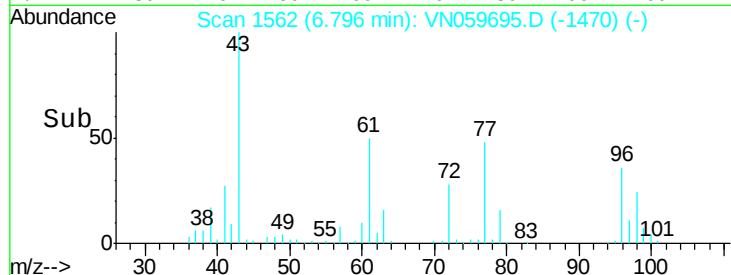
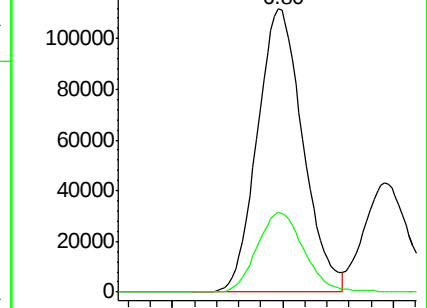
MMDadoda

1/15/2020 10:55:05 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#26

2,2-Dichloropropane

Concen: 54.534 ug/l

RT: 6.79 min Scan# 1561

Delta R.T. -0.00 min

Lab File: VN059695.D

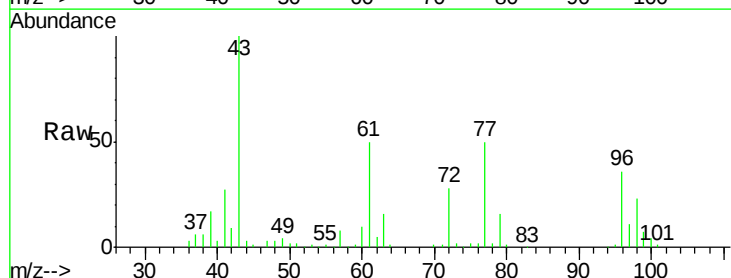
Acq: 14 Jan 2020 9:27

Tgt Ion: 77 Resp: 174299

Ion Ratio Lower Upper

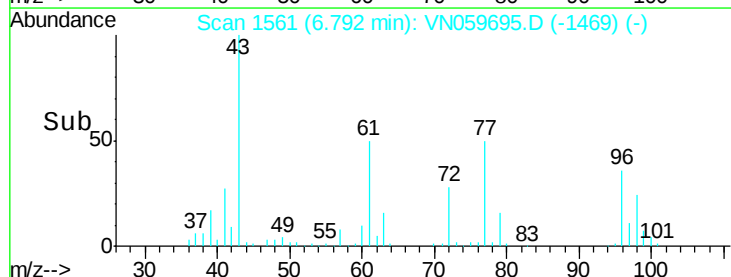
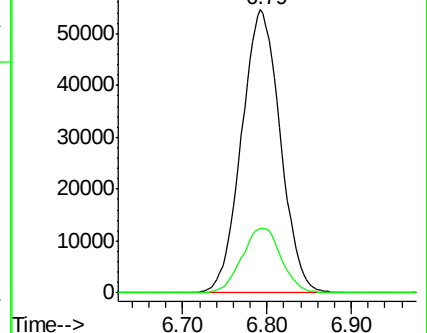
77 100

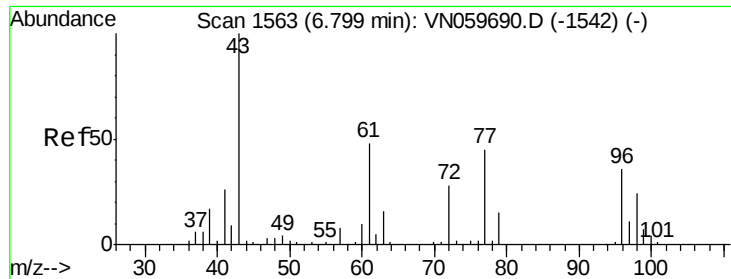
97 23.3 10.7 31.9



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0





#27

cis-1,2-Dichloroethene

Concen: 54.864 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VN059695.D

Acq: 14 Jan 2020 9:27

Instrument :

MSVOA_N

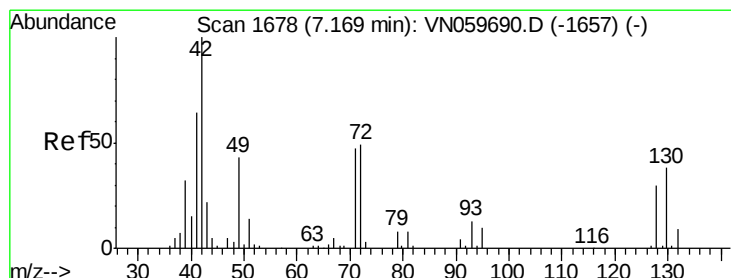
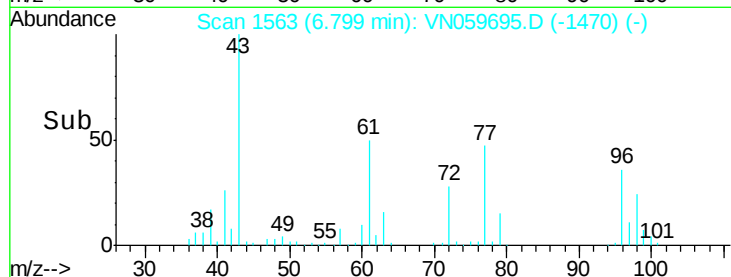
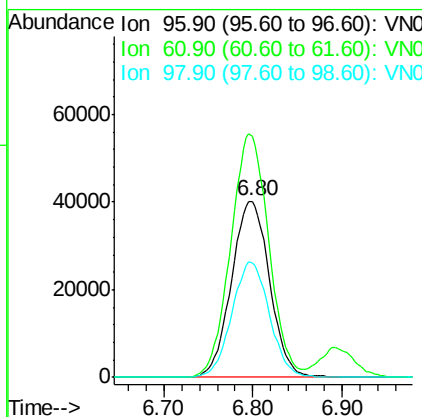
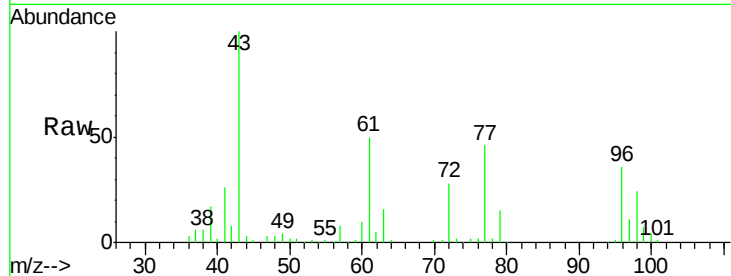
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	119483
Ion Ratio	Lower	Upper	
96	100		
61	137.8	0.0	317.6
98	64.6	0.0	127.0

Manual Integrations
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#28

Bromochloromethane

Concen: 51.010 ug/l

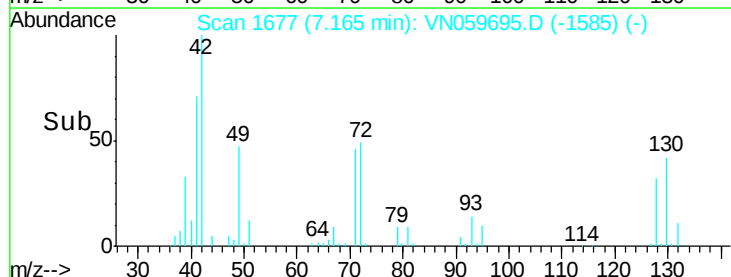
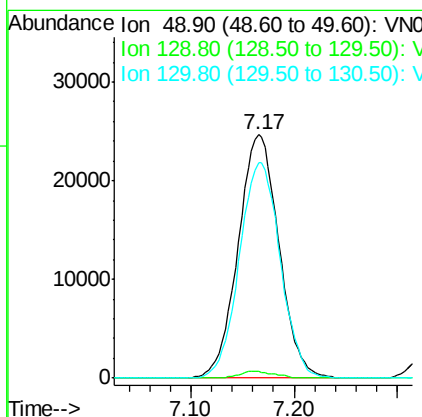
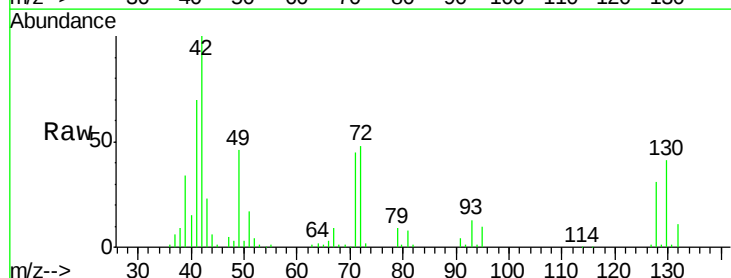
RT: 7.17 min Scan# 1677

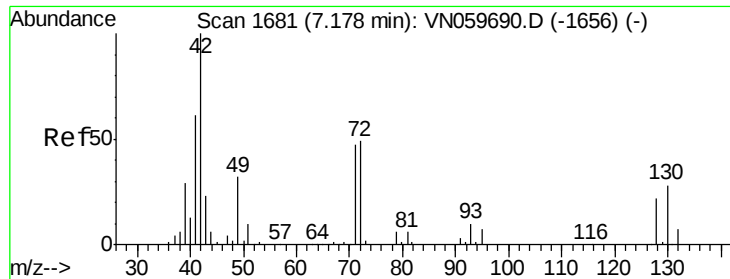
Delta R.T. -0.00 min

Lab File: VN059695.D

Acq: 14 Jan 2020 9:27

Tgt Ion:	49	Resp:	67780
Ion Ratio	Lower	Upper	
49	100		
129	2.3	0.0	3.4
130	88.7	54.7	82.1#





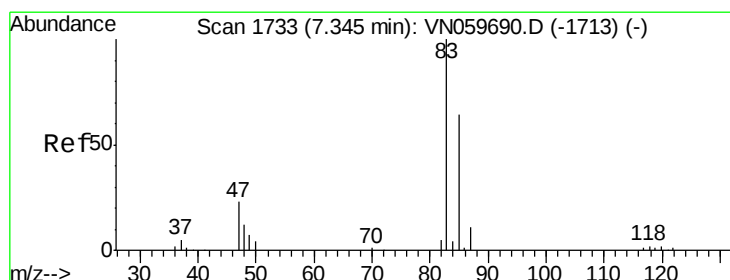
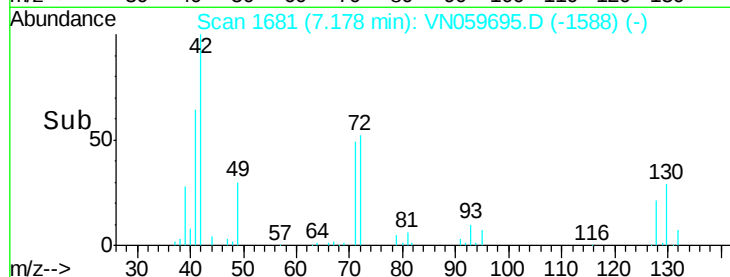
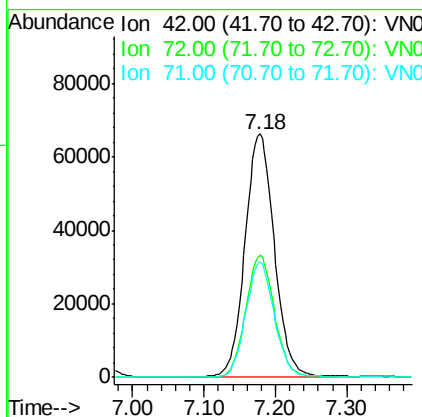
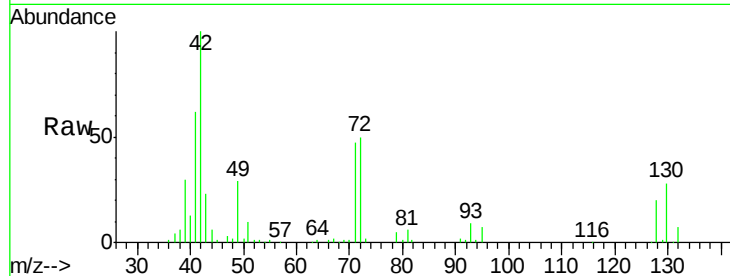
#29
Tetrahydrofuran
Concen: 250.906 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VN059695.D
Acq: 14 Jan 2020 9:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	49.0	33.1	49.7
71	46.0	31.4	47.0

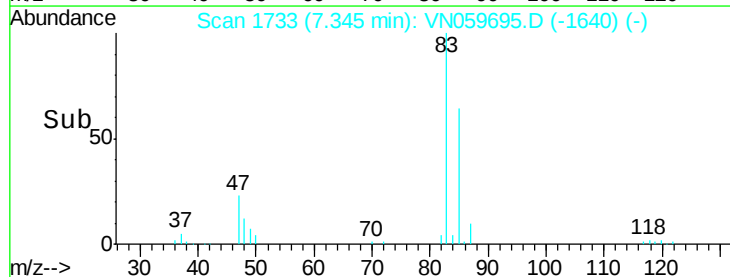
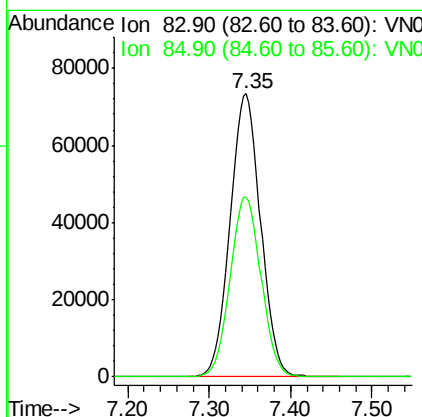
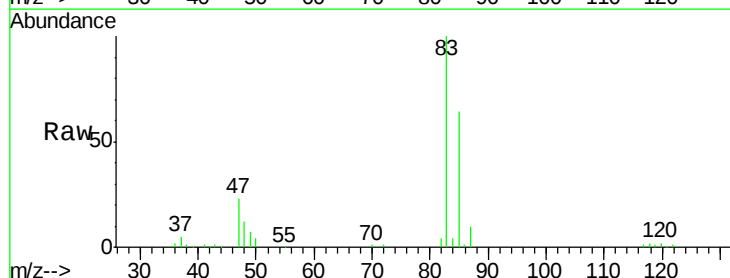
Manual Integrations
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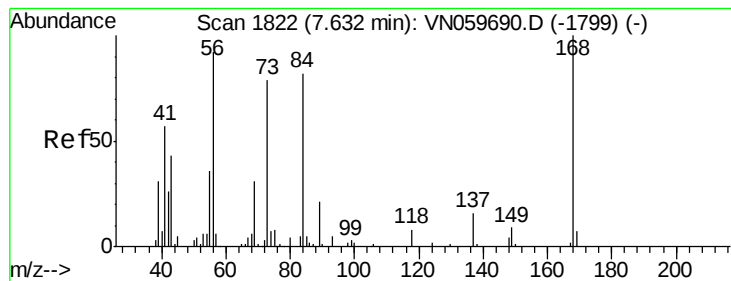
MMDadoda
1/15/2020 10:55:05 AM



#30
Chloroform
Concen: 55.652 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. 0.00 min
Lab File: VN059695.D
Acq: 14 Jan 2020 9:27

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.6	52.4	78.6





#31

Cyclohexane

Concen: 51.967 ug/l

RT: 7.63 min Scan# 1821

Delta R.T. -0.00 min

Lab File: VN059695.D

Acq: 14 Jan 2020 9:27

Instrument :

MSVOA_N

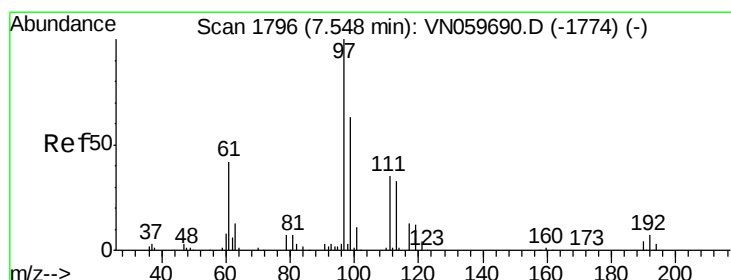
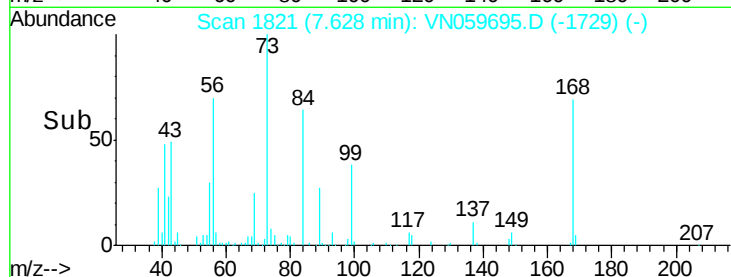
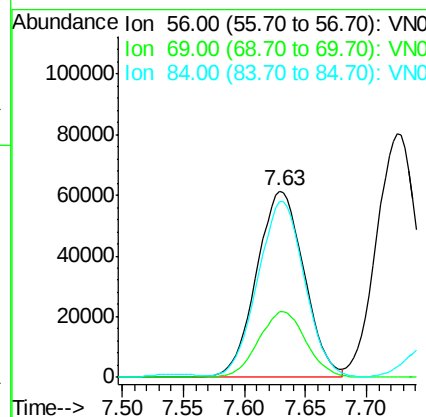
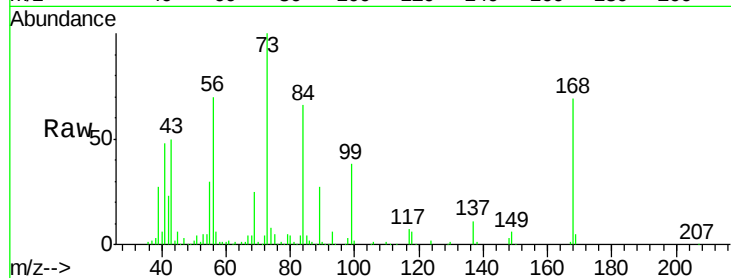
ClientSampleId :

VSTDCCC050

Tot Ion:	56	Resp:	166243
Ion	Ratio	Lower	Upper
56	100		
69	35.0	26.5	39.7
84	93.0	65.3	97.9

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#32

1,1,1-Trichloroethane

Concen: 55.413 ug/l

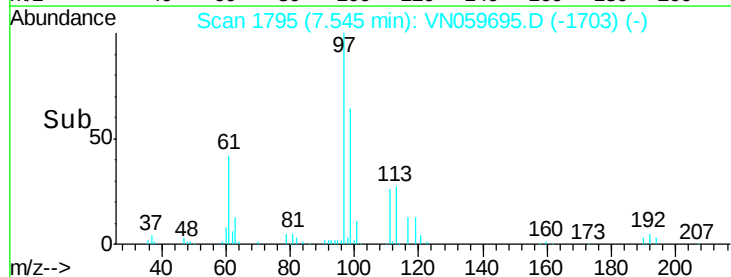
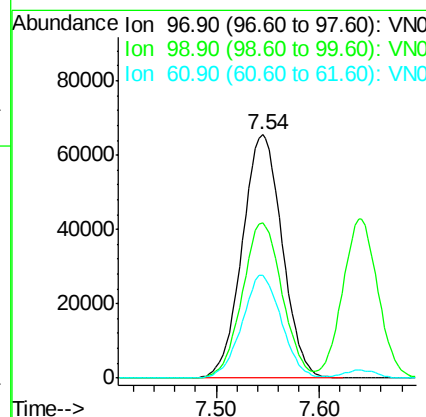
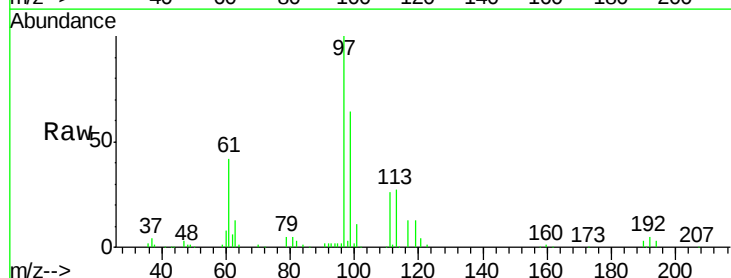
RT: 7.54 min Scan# 1795

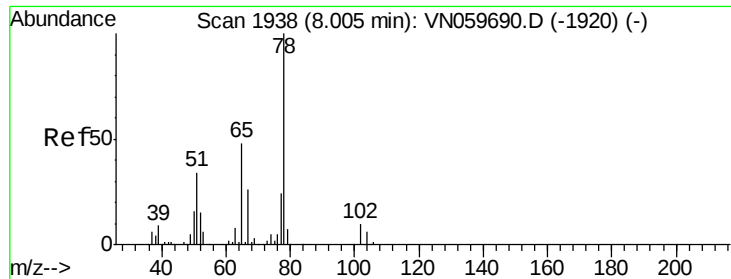
Delta R.T. -0.00 min

Lab File: VN059695.D

Acq: 14 Jan 2020 9:27

Tgt Ion:	97	Resp:	176487
Ion	Ratio	Lower	Upper
97	100		
99	63.6	51.0	76.4
61	41.6	38.5	57.7





#33

1,2-Dichloroethane-d4

Concen: 45.764 ug/l

RT: 8.00 min Scan# 1937

Delta R.T. -0.00 min

Lab File: VN059695.D

Acq: 14 Jan 2020 9:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 65 Resp: 98949

Ion Ratio Lower Upper

65 100

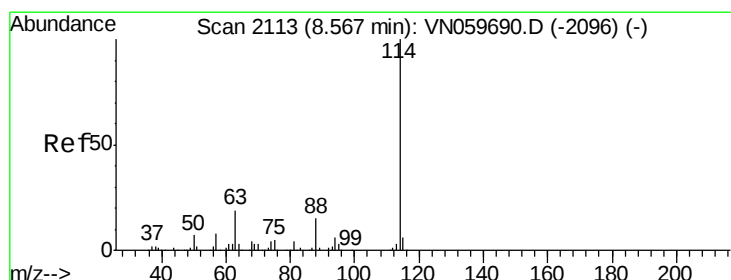
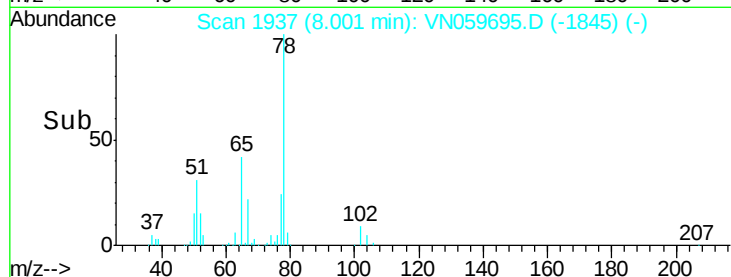
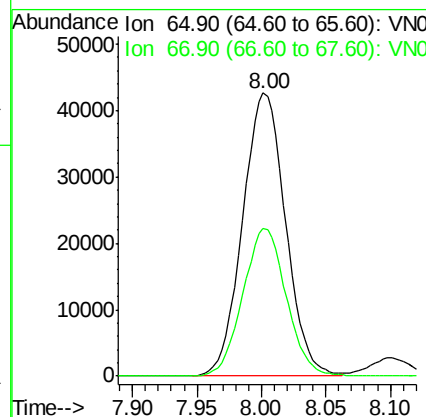
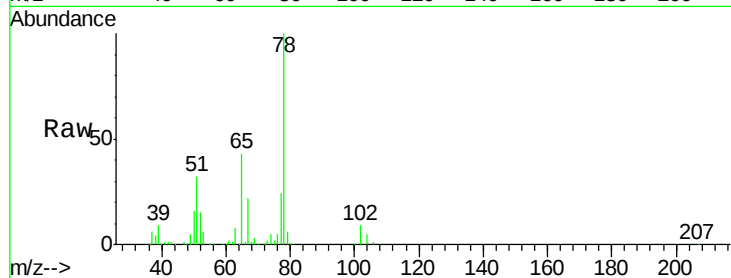
67 52.7 0.0 103.0

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.56 min Scan# 2112

Delta R.T. -0.00 min

Lab File: VN059695.D

Acq: 14 Jan 2020 9:27

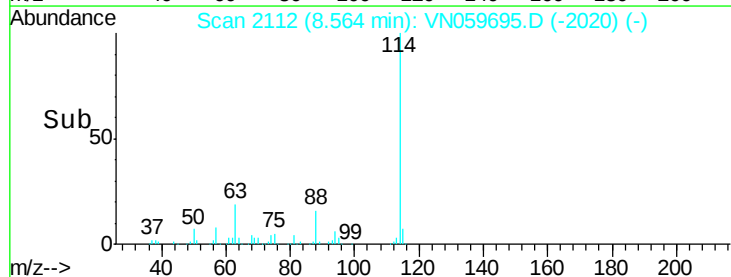
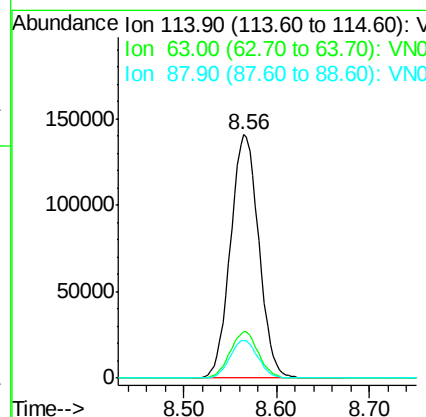
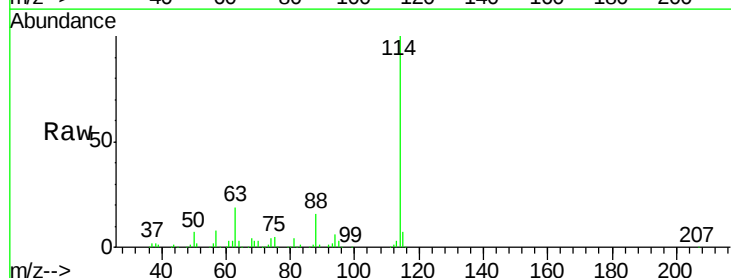
Tgt Ion: 114 Resp: 298180

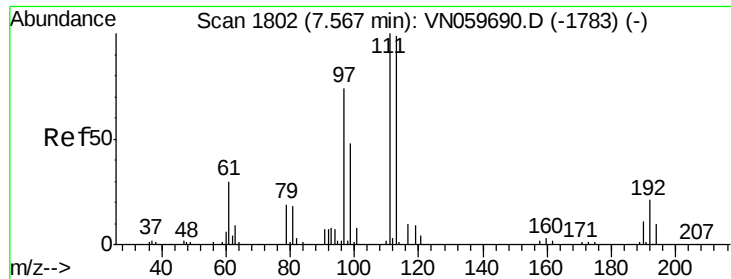
Ion Ratio Lower Upper

114 100

63 19.2 0.0 43.6

88 15.7 0.0 31.4





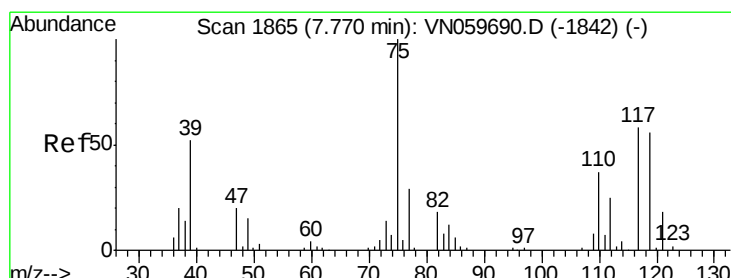
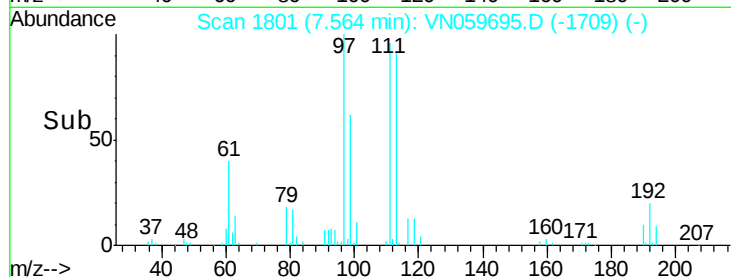
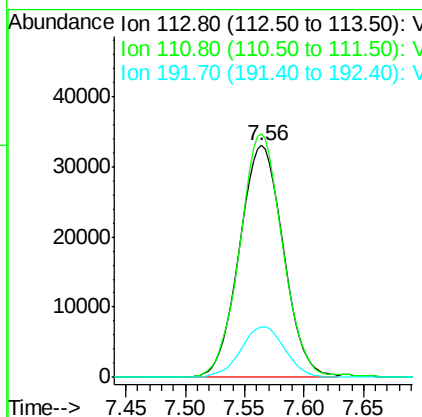
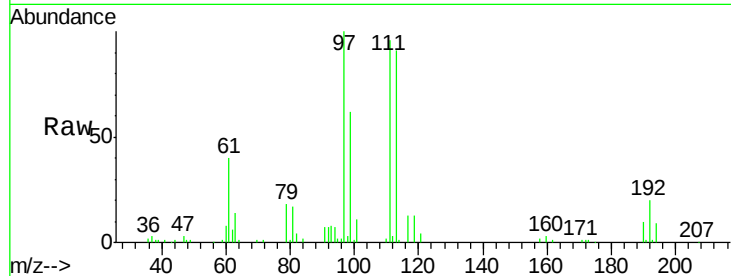
#35
Dibromofluoromethane
Concen: 47.524 ug/l
RT: 7.56 min Scan# 1801
Delta R.T. -0.00 min
Lab File: VN059695.D
Acq: 14 Jan 2020 9:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	84507		
111	102.8		83.5	125.3
192	21.7		15.4	23.2

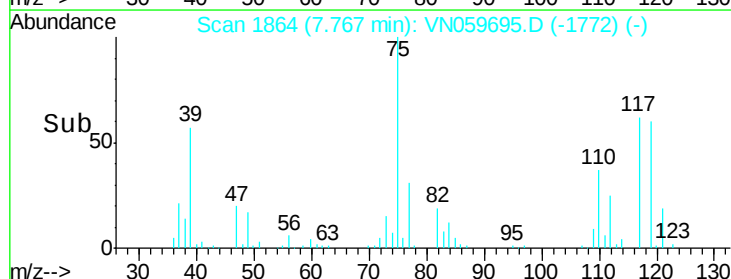
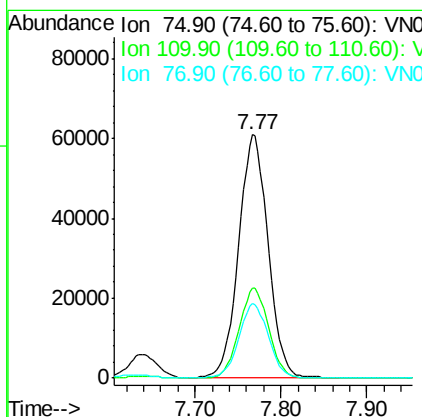
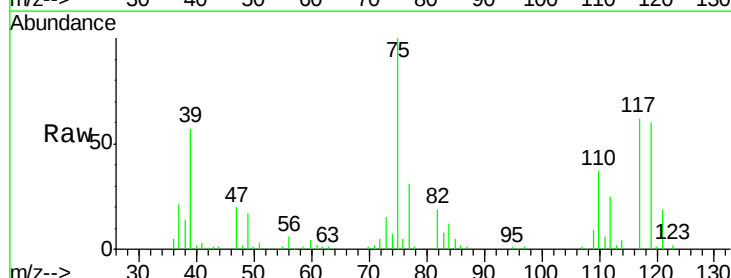
Manual Integrations
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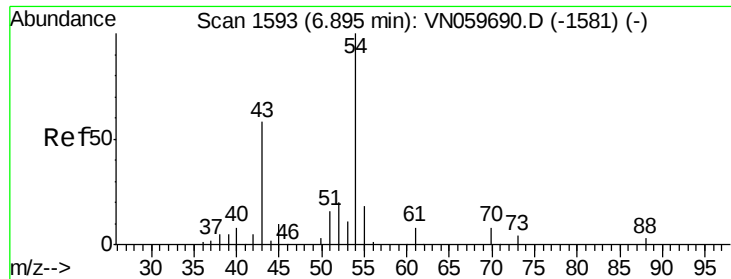
MMDadoda
1/15/2020 10:55:05 AM



#36
1,1-Dichloropropene
Concen: 55.878 ug/l
RT: 7.77 min Scan# 1864
Delta R.T. -0.00 min
Lab File: VN059695.D
Acq: 14 Jan 2020 9:27

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	145096		
110	36.9		16.6	49.7
77	30.8		25.1	37.7





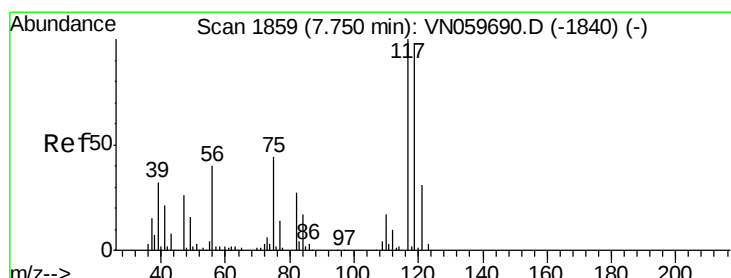
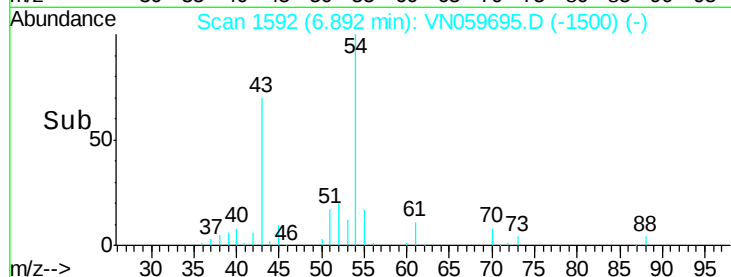
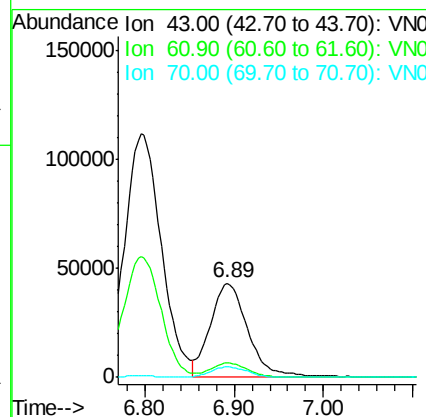
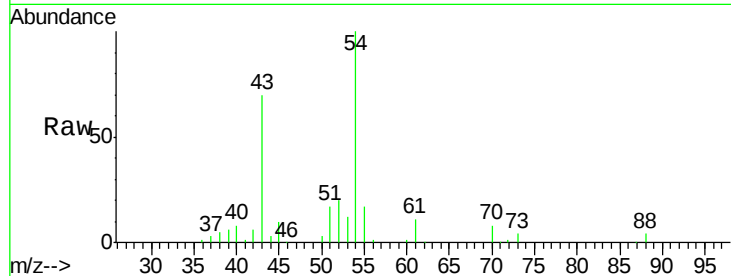
#37
Ethyl Acetate
Concen: 50.452 ug/l
RT: 6.89 min Scan# 1592
Delta R.T. -0.00 min
Lab File: VN059695.D
Acq: 14 Jan 2020 9:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.5	10.9	16.3
70	11.4	7.7	11.5

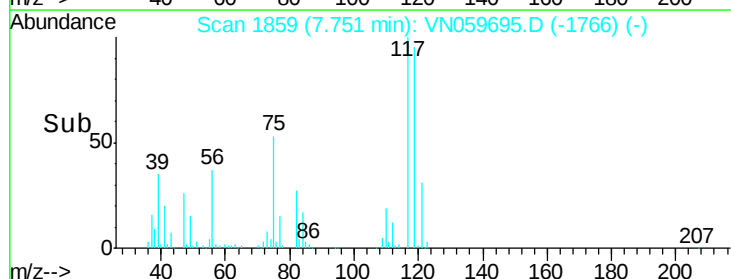
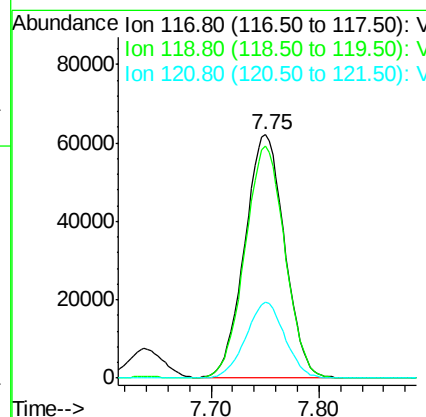
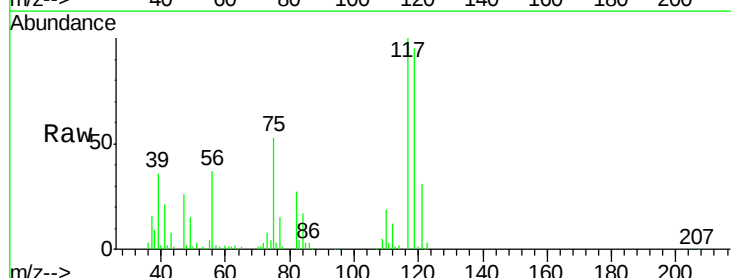
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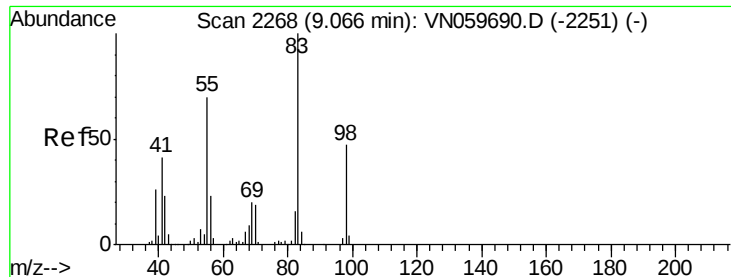
MMDadoda
1/15/2020 10:55:05 AM



#38
Carbon Tetrachloride
Concen: 56.502 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. 0.00 min
Lab File: VN059695.D
Acq: 14 Jan 2020 9:27

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.1	76.5	114.7
121	31.0	25.1	37.7





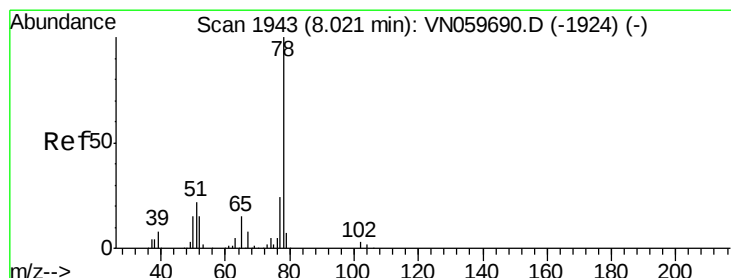
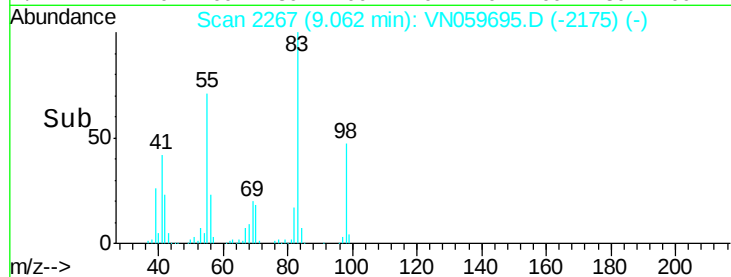
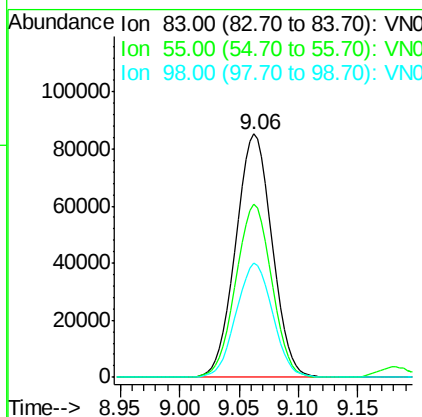
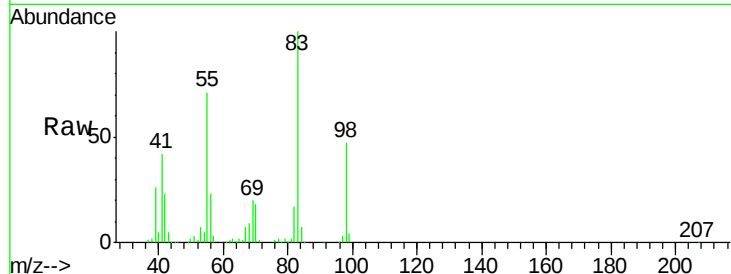
#39
Methvlcvclohexane
Concen: 56.558 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. -0.00 min
Lab File: VN059695.D
Acq: 14 Jan 2020 9:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	71.2	64.2	96.2
98	46.8	35.9	53.9

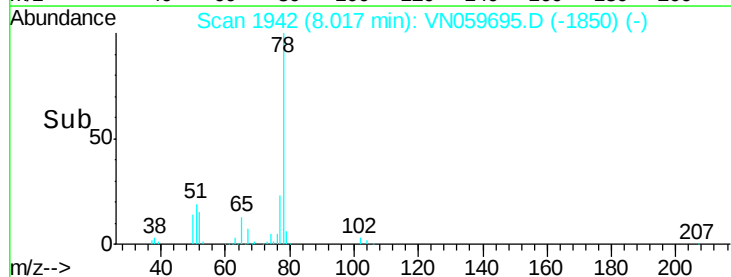
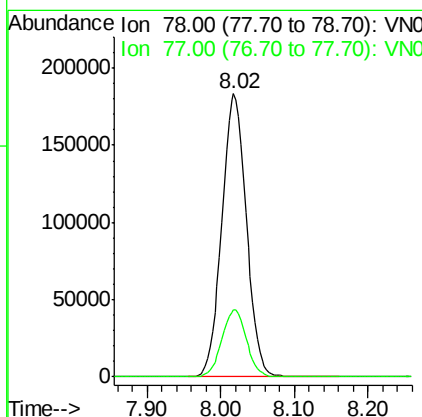
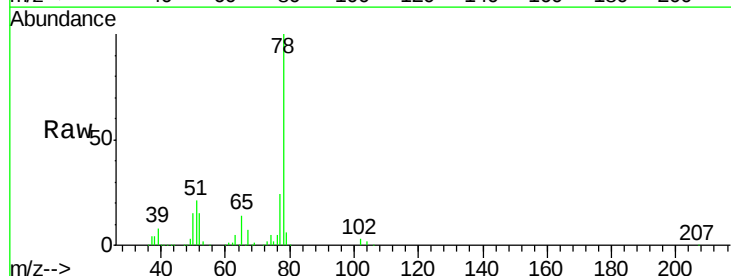
Manual Integrations
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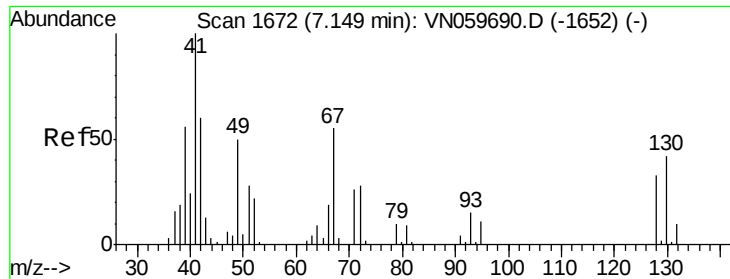
MMDadoda
1/15/2020 10:55:05 AM



#40
Benzene
Concen: 54.695 ug/l
RT: 8.02 min Scan# 1942
Delta R.T. -0.00 min
Lab File: VN059695.D
Acq: 14 Jan 2020 9:27

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.6	18.9	28.3





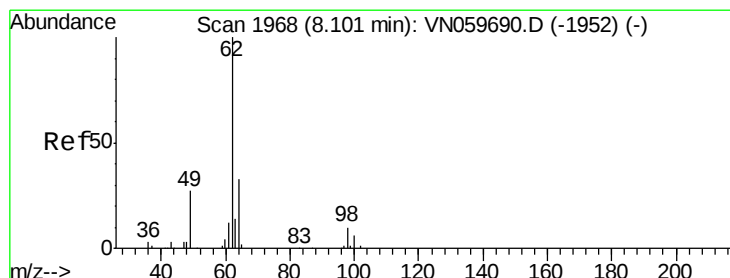
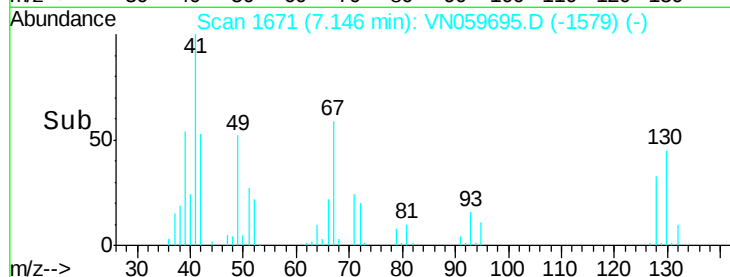
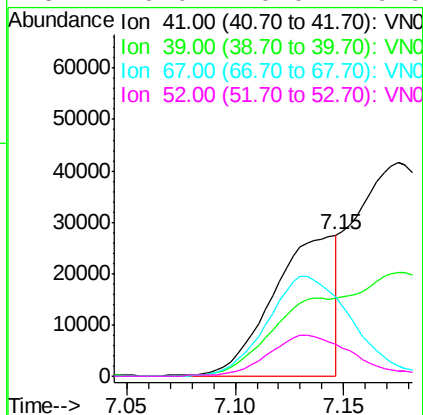
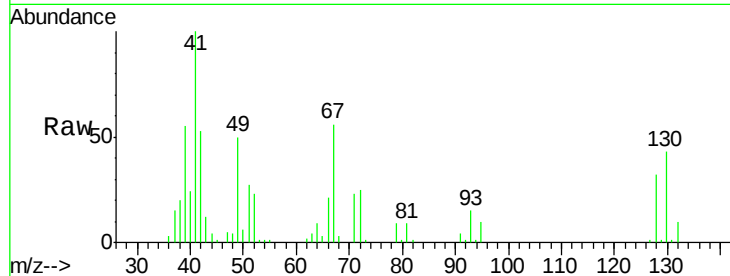
#41
Methacrylonitrile
Concen: 46.020 ug/l m
RT: 7.15 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VN059695.D
Acq: 14 Jan 2020 9:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100				
39	167.8	0.0	0.0		
67	0.0	0.0	0.0		
52	0.0	0.0	0.0		

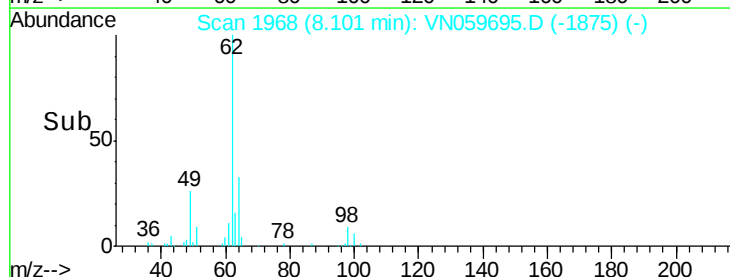
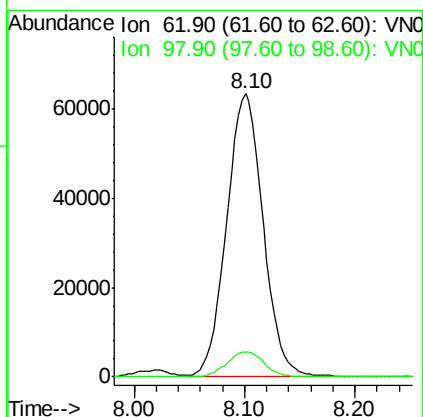
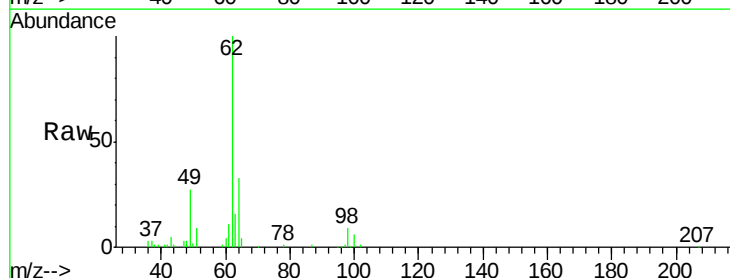
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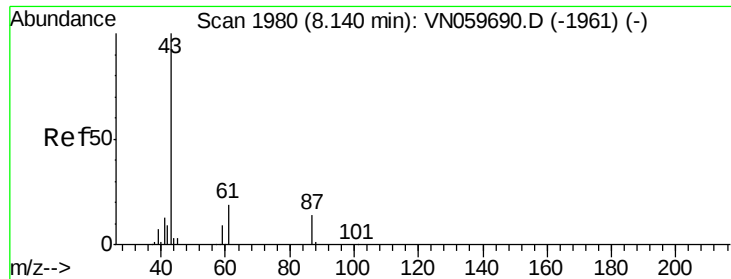
MMDadoda
1/15/2020 10:55:05 AM



#42
1,2-Dichloroethane
Concen: 55.025 ug/l
RT: 8.10 min Scan# 1968
Delta R.T. 0.00 min
Lab File: VN059695.D
Acq: 14 Jan 2020 9:27

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100				
98	9.0	0.0	15.8		





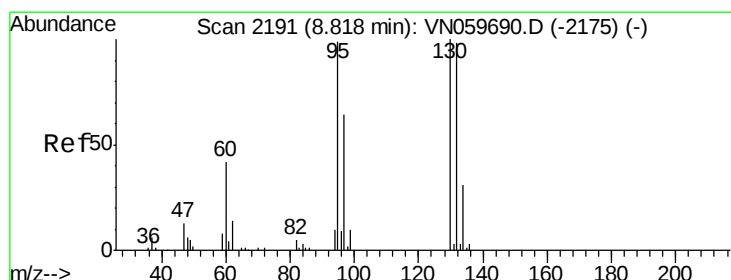
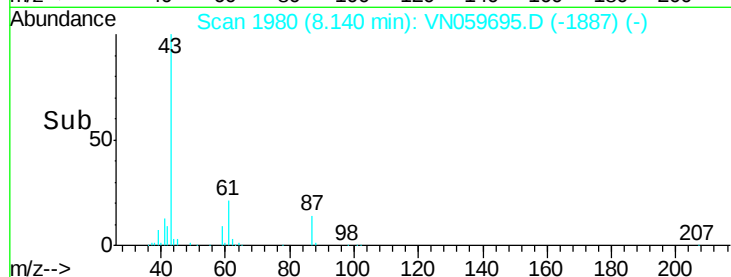
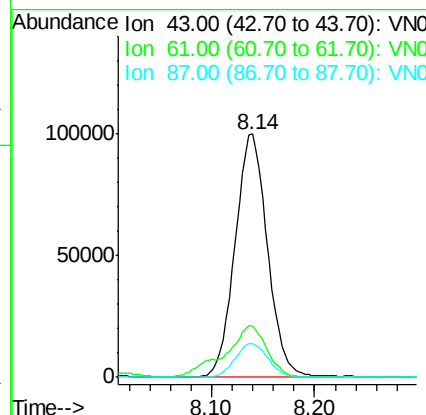
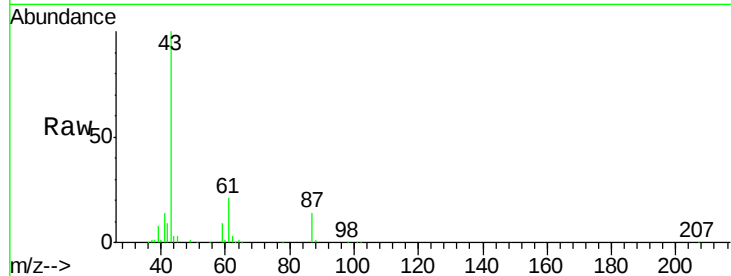
#43
Isopropyl Acetate
Concen: 51.965 ug/l
RT: 8.14 min Scan# 1980
Delta R.T. 0.00 min
Lab File: VN059695.D
Acq: 14 Jan 2020 9:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	27.9	20.2	30.2
87	14.3	9.5	14.3#

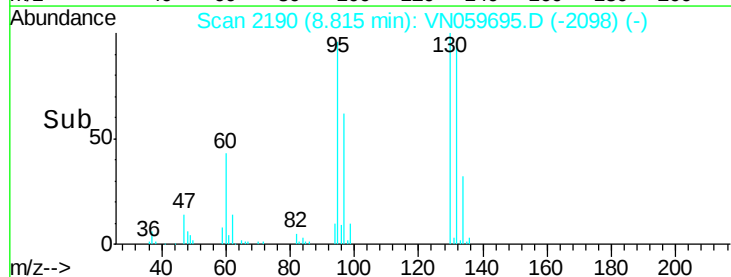
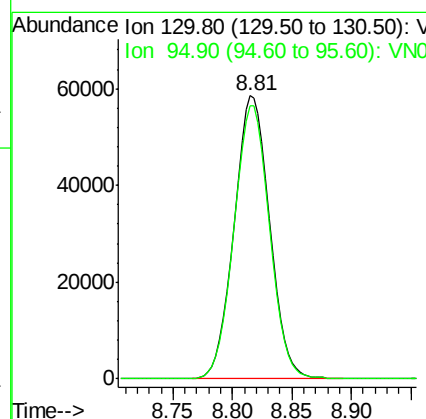
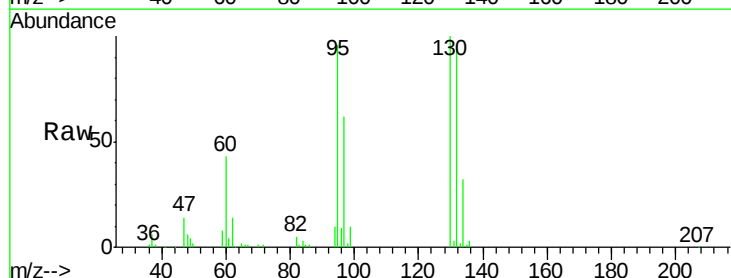
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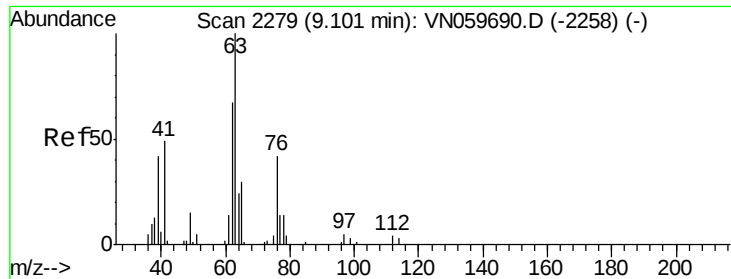
MMDadoda
1/15/2020 10:55:05 AM



#44
Trichloroethene
Concen: 57.191 ug/l
RT: 8.81 min Scan# 2190
Delta R.T. -0.00 min
Lab File: VN059695.D
Acq: 14 Jan 2020 9:27

Tgt Ion	Ratio	Lower	Upper
130	100		
95	96.4	0.0	207.0





#45

1,2-Dichloropropane

Concen: 55.885 ug/l

RT: 9.10 min Scan# 2279

Delta R.T. 0.00 min

Lab File: VN059695.D

Acq: 14 Jan 2020 9:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 107092

Ion Ratio Lower Upper

63 100

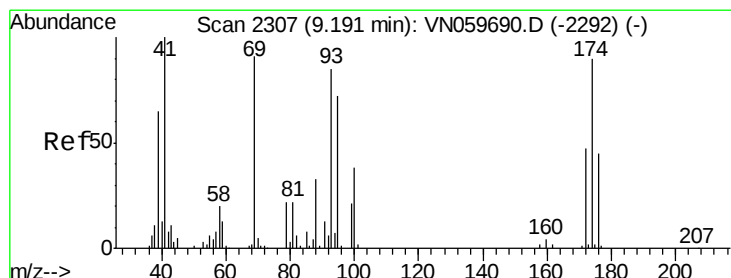
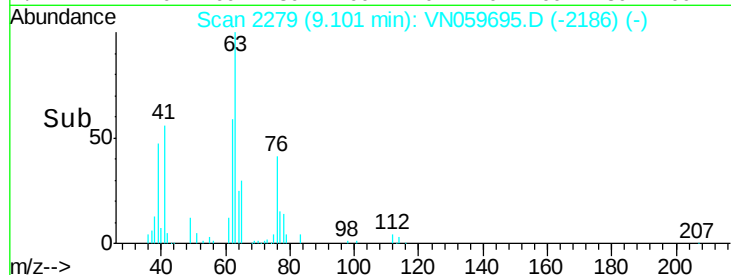
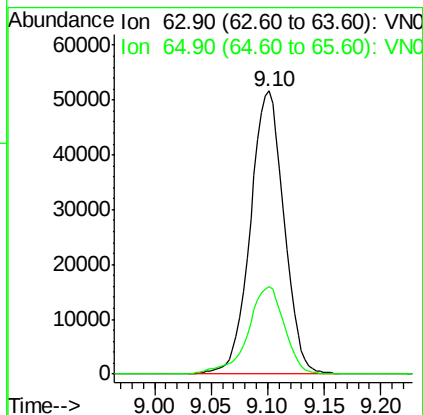
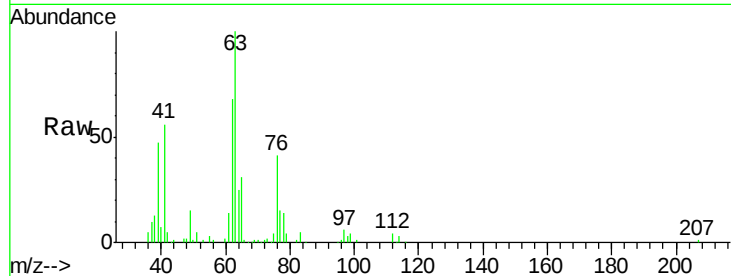
65 30.9 24.9 37.3

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MMDadoda

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#46

Dibromomethane

Concen: 55.535 ug/l

RT: 9.19 min Scan# 2307

Delta R.T. 0.00 min

Lab File: VN059695.D

Acq: 14 Jan 2020 9:27

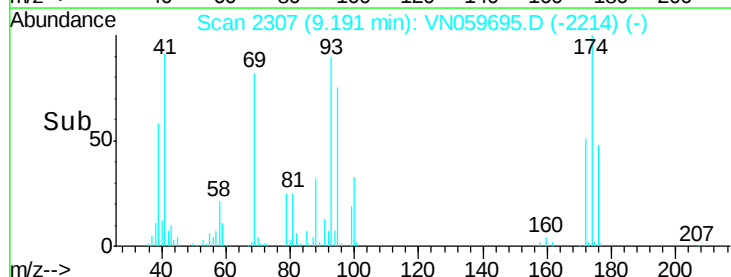
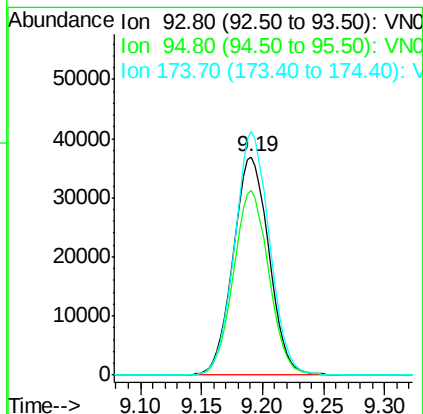
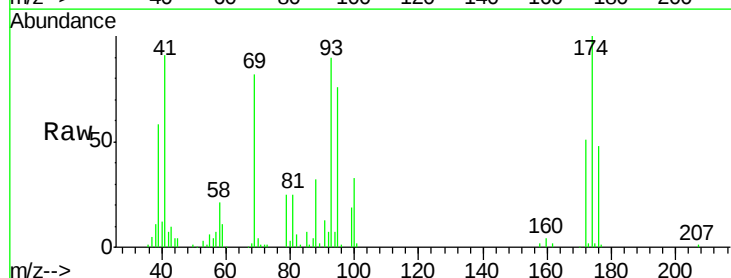
Tgt Ion: 93 Resp: 75071

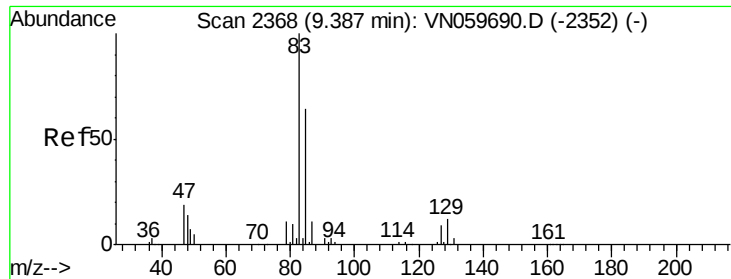
Ion Ratio Lower Upper

93 100

95 83.7 67.0 100.6

174 108.4 73.4 110.2





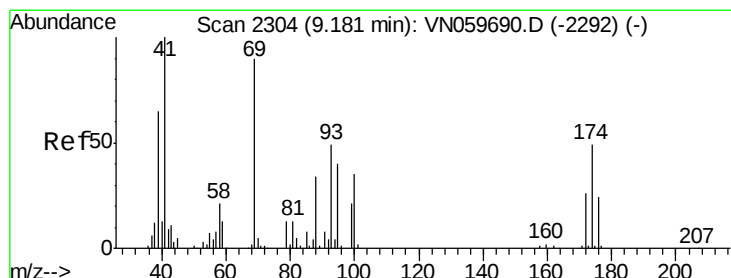
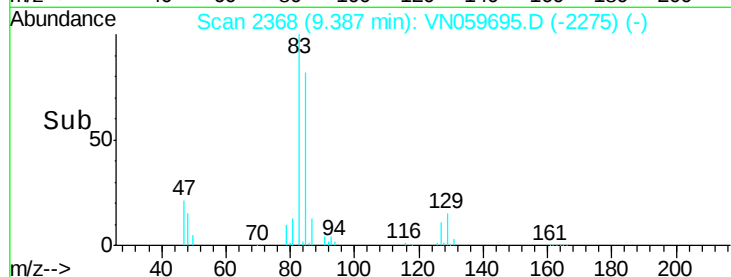
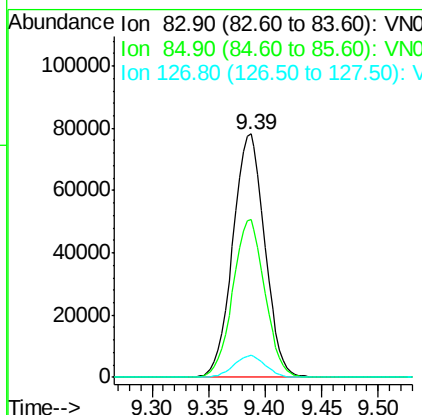
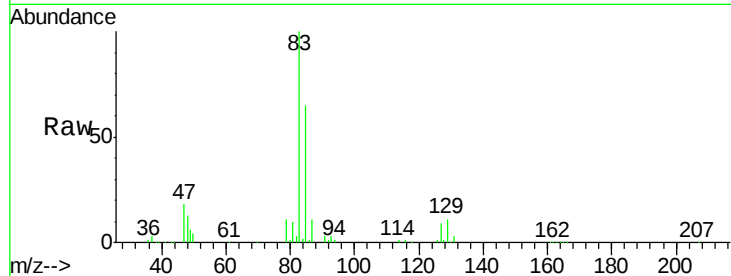
#47
Bromodichloromethane
Concen: 56.566 ug/l
RT: 9.39 min Scan# 2368
Delta R.T. 0.00 min
Lab File: VN059695.D
Acq: 14 Jan 2020 9:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	83	Resp	154088
Ion Ratio	100		
85	64.7	51.1	76.7
127	9.0	6.6	9.8

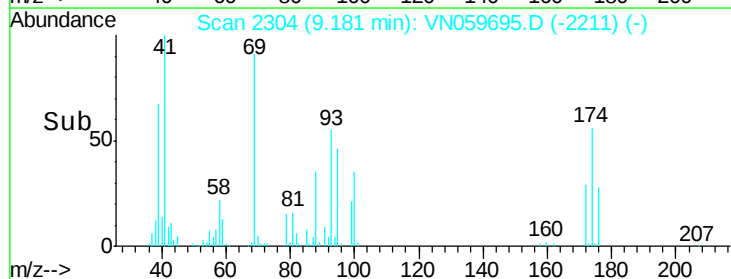
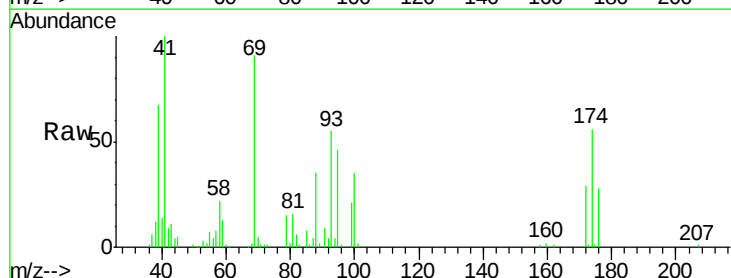
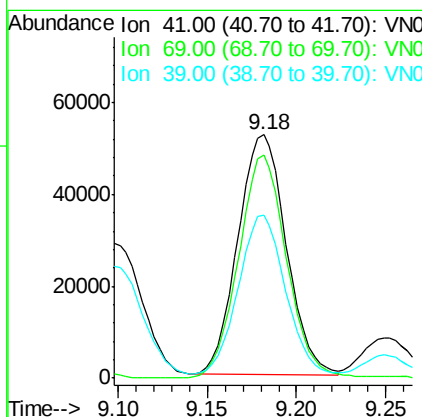
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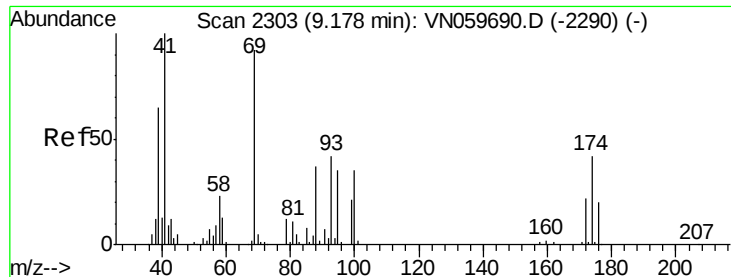
MMDadoda
1/15/2020 10:55:05 AM



#48
Methyl methacrylate
Concen: 52.751 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. 0.00 min
Lab File: VN059695.D
Acq: 14 Jan 2020 9:27

Tgt Ion	41	Resp	98842
Ion Ratio	100		
69	92.6	64.4	96.6
39	64.5	51.3	76.9





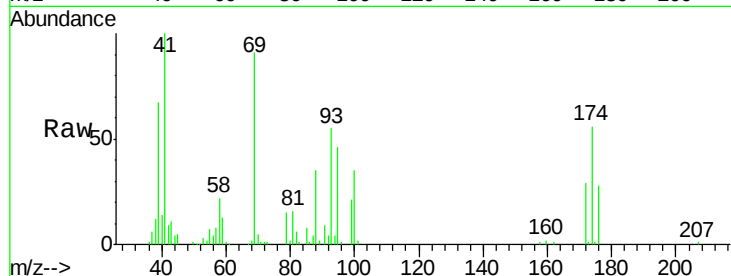
#49
1,4-Dioxane
Concen: 1069.422 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. 0.00 min
Lab File: VN059695.D
Acq: 14 Jan 2020 9:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	30.6	29.7	44.5
58	65.9	56.6	85.0

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1/15/2020 10:55:05 AM

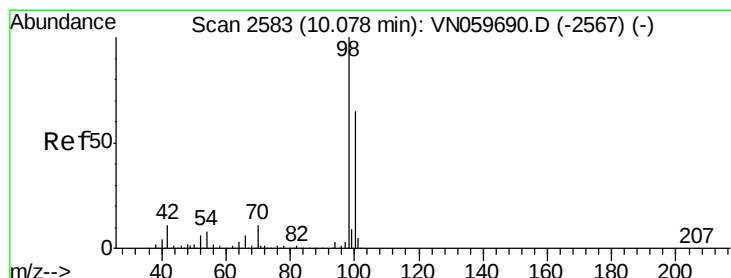
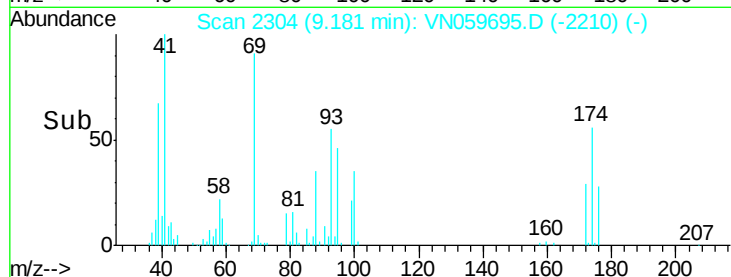
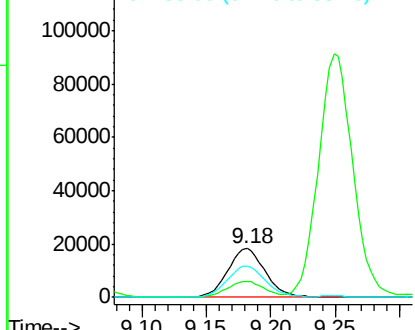


Abundance

Ion 88.00 (87.70 to 88.70): VN0

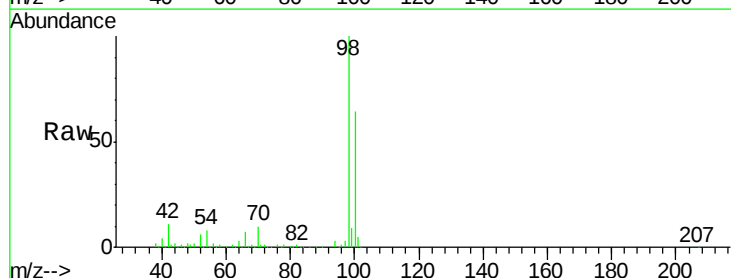
Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#50
Toluene-d8
Concen: 46.516 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. 0.00 min
Lab File: VN059695.D
Acq: 14 Jan 2020 9:27

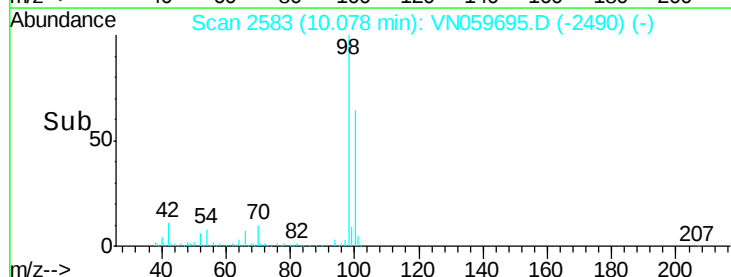
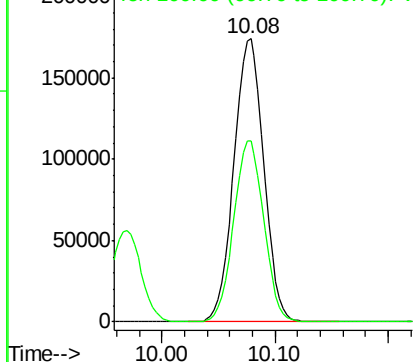
Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.4	51.2	76.8

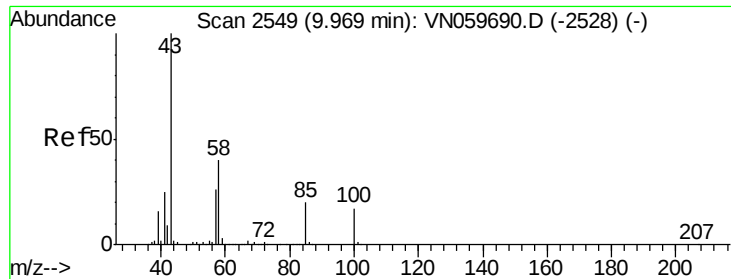


Abundance

Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





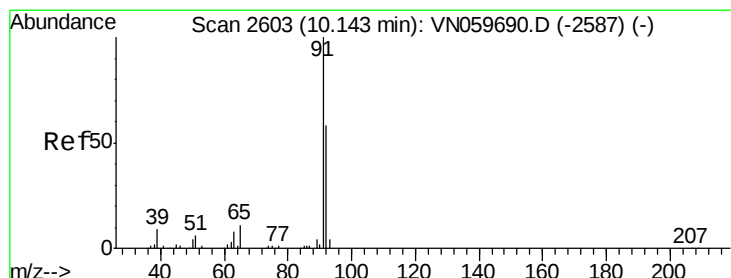
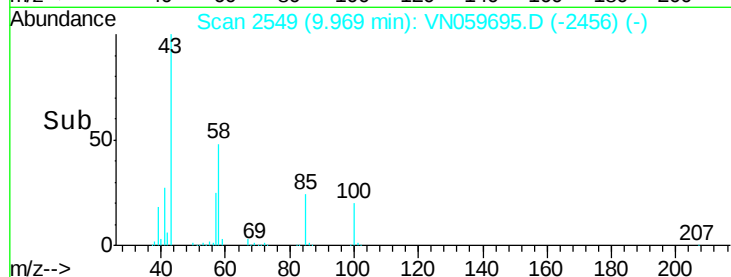
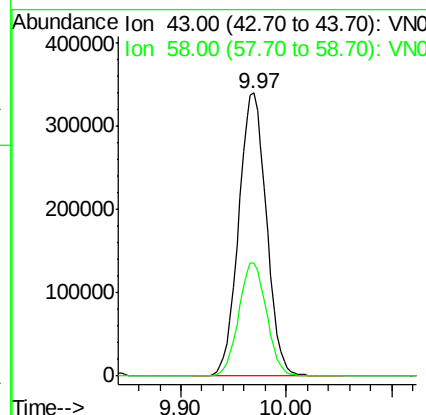
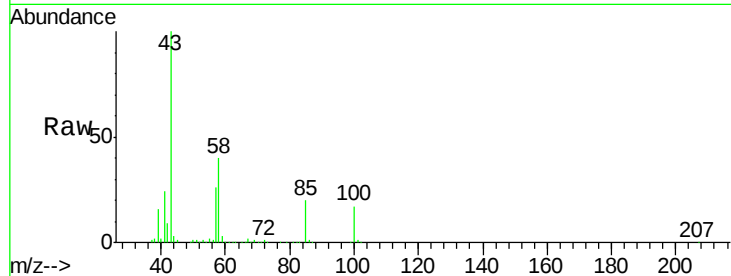
#51
4-Methyl-2-Pentanone
Concen: 255.874 ug/l
RT: 9.97 min Scan# 2549
Delta R.T. 0.00 min
Lab File: VN059695.D
Acq: 14 Jan 2020 9:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
58	40.1	29.8	44.8

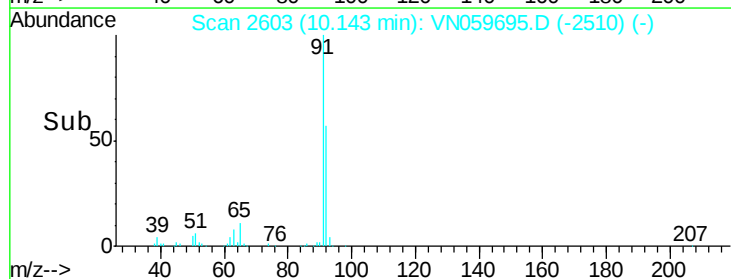
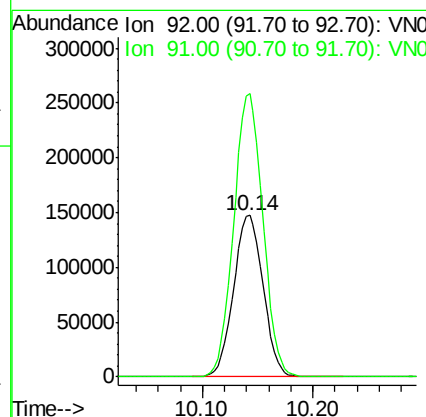
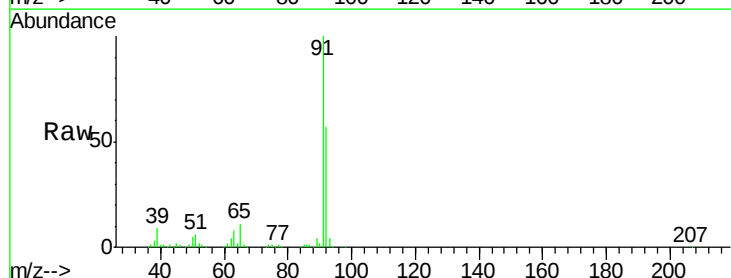
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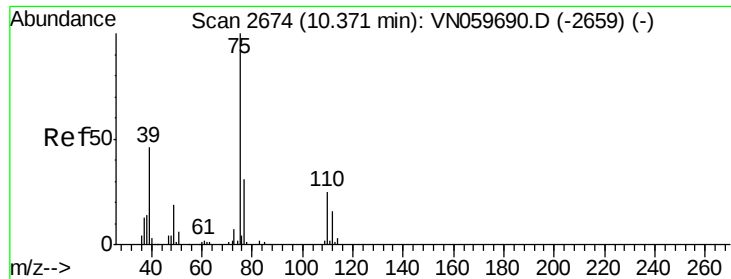
MMDadoda
1/15/2020 10:55:05 AM



#52
Toluene
Concen: 55.816 ug/l
RT: 10.14 min Scan# 2603
Delta R.T. 0.00 min
Lab File: VN059695.D
Acq: 14 Jan 2020 9:27

Tgt Ion	Ratio	Lower	Upper
92	100		
91	173.6	140.4	210.6





#53

t-1,3-Dichloropropene

Concen: 56.781 ug/l

RT: 10.37 min Scan# 2674

Delta R.T. 0.00 min

Lab File: VN059695.D

Acq: 14 Jan 2020 9:27

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 75 Resp: 172708

Ion Ratio Lower Upper

75 100

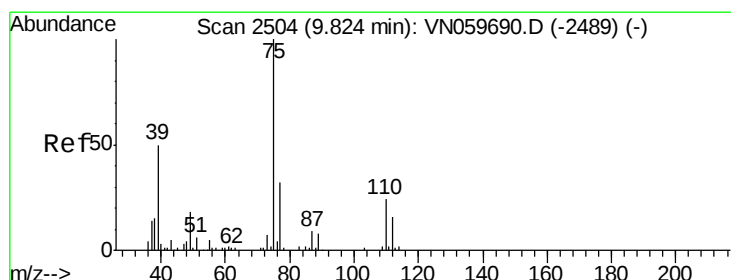
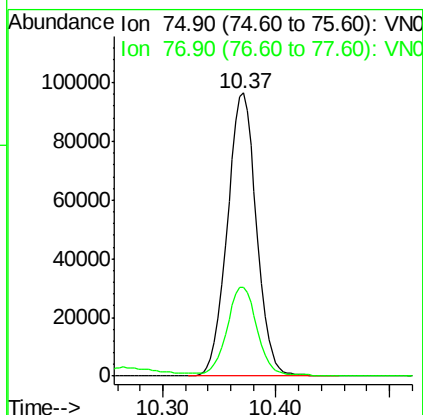
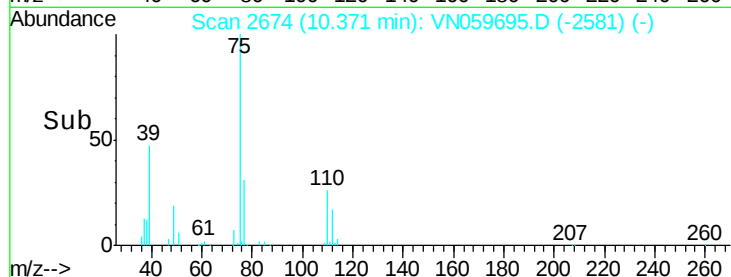
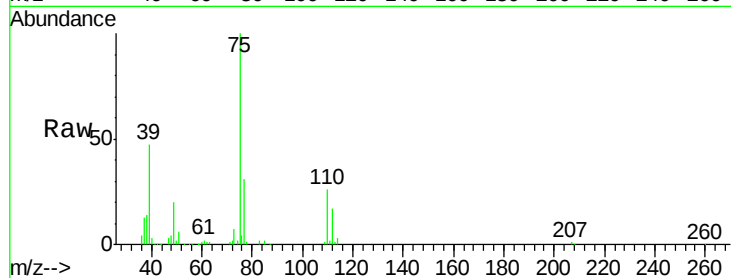
77 31.1 25.4 38.2

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1/15/2020 10:55:05 AM



#54

cis-1,3-Dichloropropene

Concen: 57.257 ug/l

RT: 9.82 min Scan# 2504

Delta R.T. 0.00 min

Lab File: VN059695.D

Acq: 14 Jan 2020 9:27

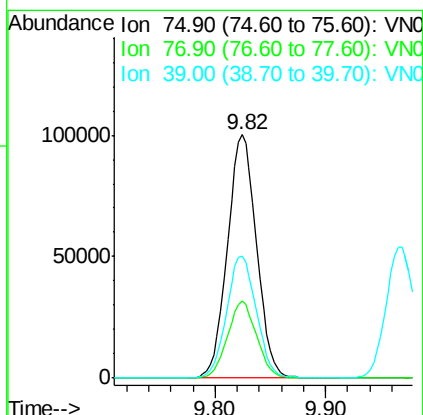
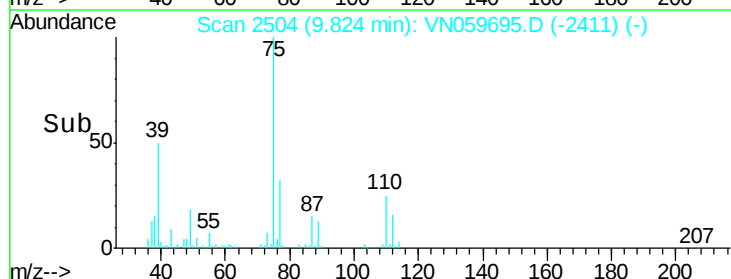
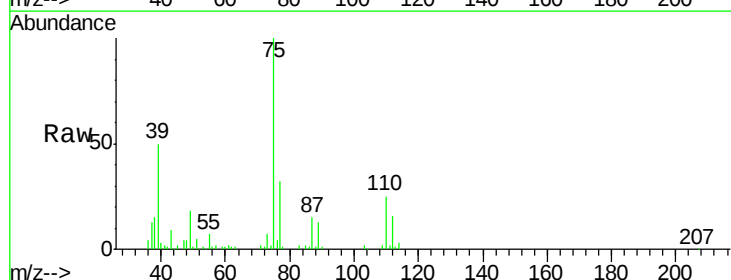
Tgt Ion: 75 Resp: 183242

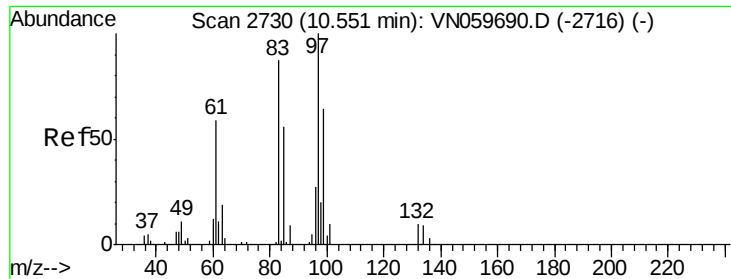
Ion Ratio Lower Upper

75 100

77 31.5 25.1 37.7

39 49.8 46.1 69.1





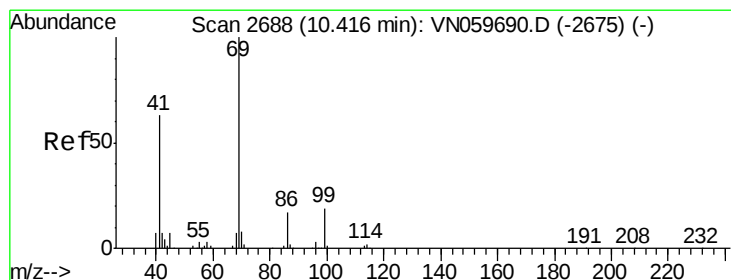
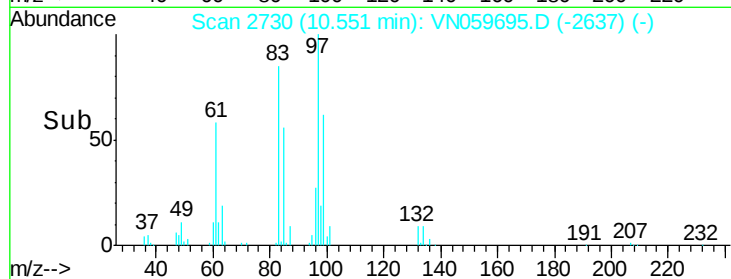
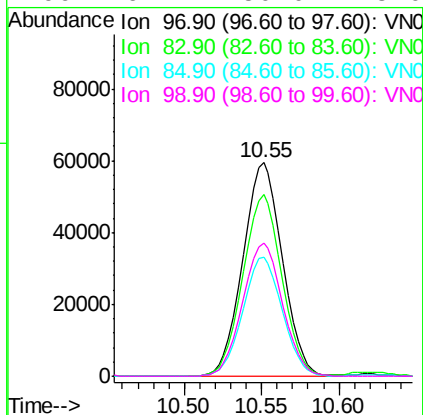
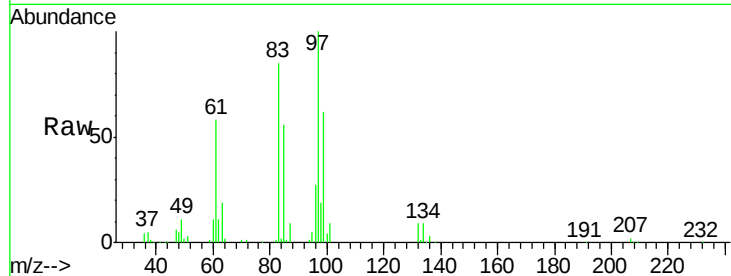
#55
 1,1,2-Trichloroethane
 Concen: 54.612 ug/l
 RT: 10.55 min Scan# 2730
 Delta R.T. 0.00 min
 Lab File: VN059695.D
 Acq: 14 Jan 2020 9:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	105802
Ion	Ratio	Lower	Upper
97	100		
83	85.1	71.3	106.9
85	55.8	45.8	68.8
99	62.2	50.0	75.0

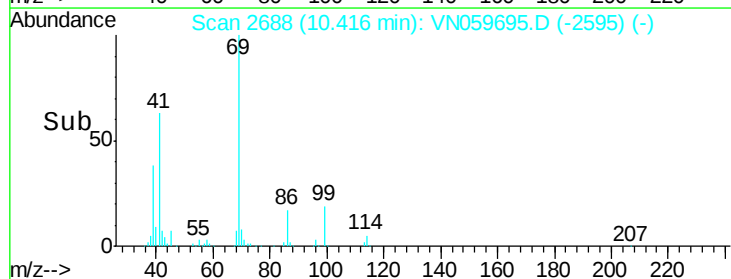
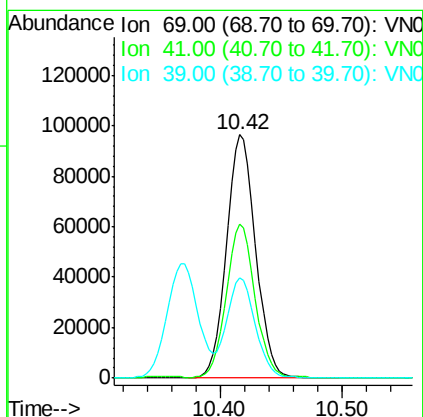
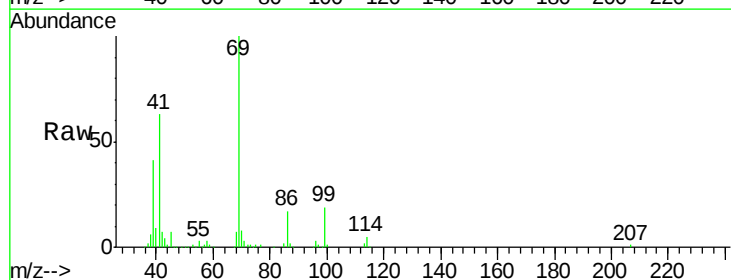
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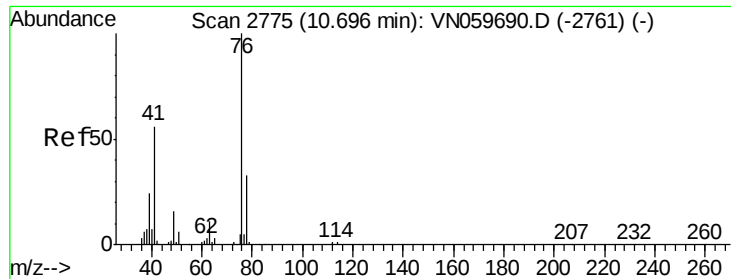
MMDadoda
 1/15/2020 10:55:05 AM



#56
 Ethyl methacrylate
 Concen: 54.593 ug/l
 RT: 10.42 min Scan# 2688
 Delta R.T. 0.00 min
 Lab File: VN059695.D
 Acq: 14 Jan 2020 9:27

Tgt Ion:	69	Resp:	161611
Ion	Ratio	Lower	Upper
69	100		
41	61.8	57.1	85.7
39	40.7	34.7	52.1





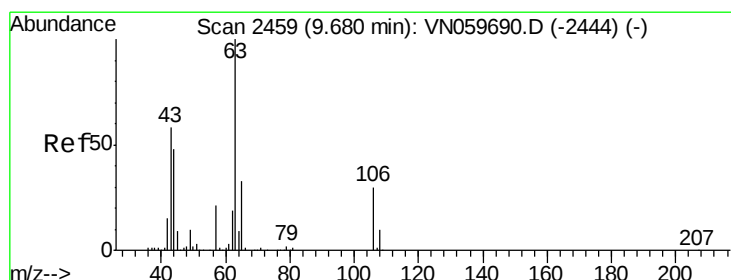
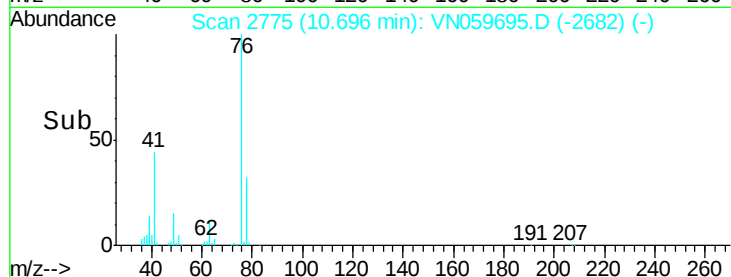
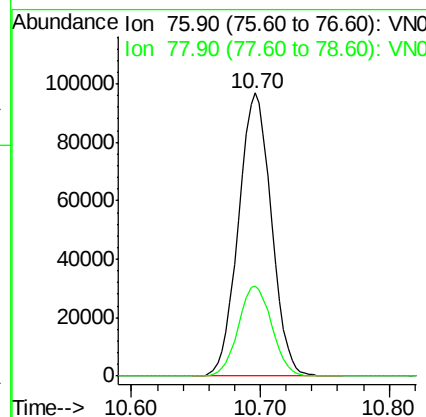
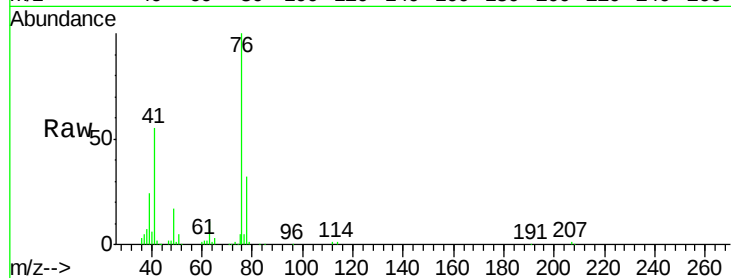
#57
 1,3-Dichloropropane
 Concen: 55.833 ug/l
 RT: 10.70 min Scan# 2775
 Delta R.T. 0.00 min
 Lab File: VN059695.D
 Acq: 14 Jan 2020 9:27

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.4	25.8	38.8

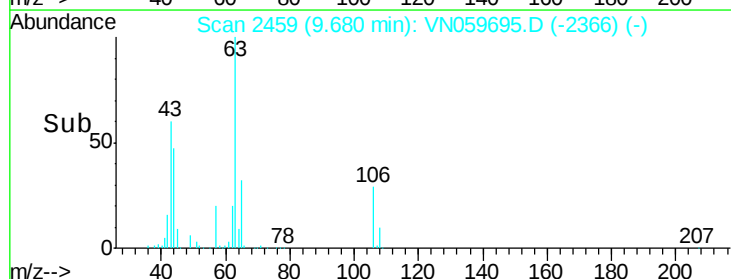
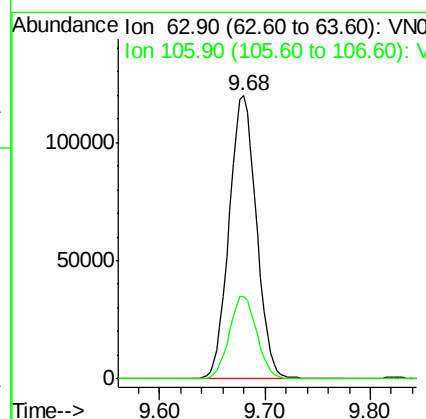
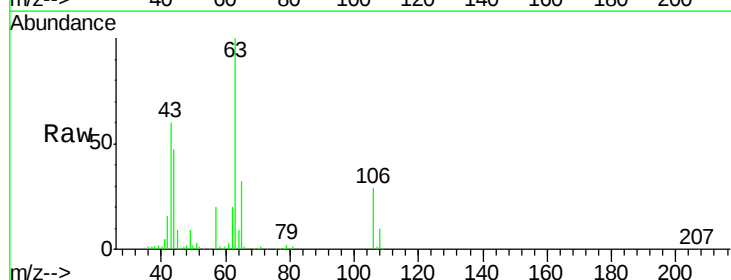
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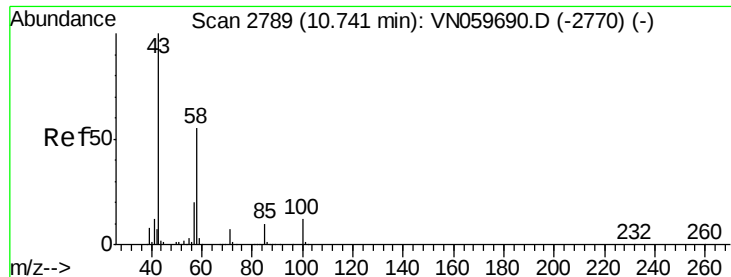
MMDadoda
 1/15/2020 10:55:05 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 240.542 ug/l
 RT: 9.68 min Scan# 2459
 Delta R.T. 0.00 min
 Lab File: VN059695.D
 Acq: 14 Jan 2020 9:27

Tgt Ion	Ratio	Lower	Upper
63	100		
106	29.3	20.2	30.2





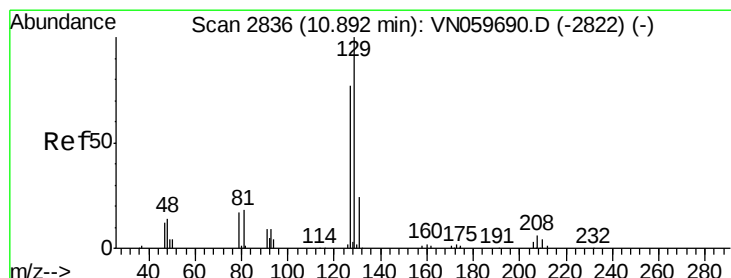
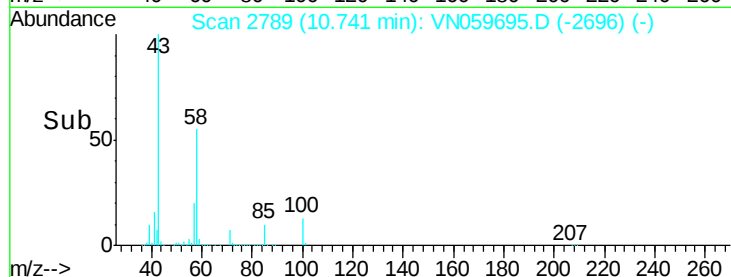
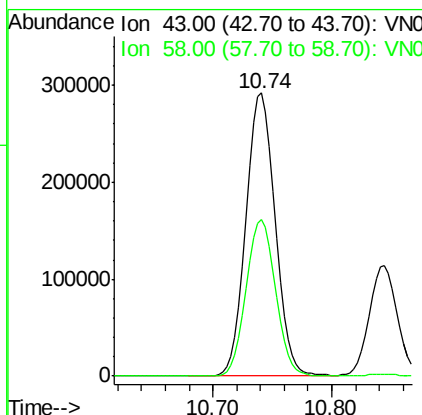
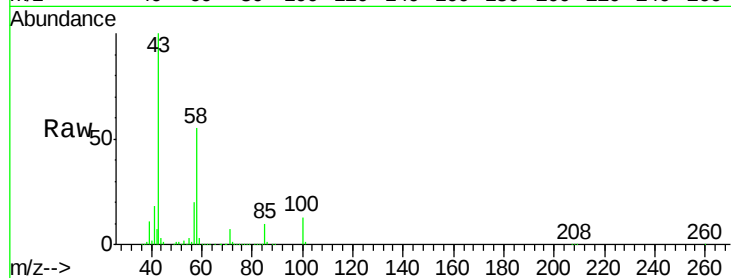
#59
2-Hexanone
Concen: 279.630 ug/l
RT: 10.74 min Scan# 2789
Delta R.T. 0.00 min
Lab File: VN059695.D
Acq: 14 Jan 2020 9:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 498853
Ion Ratio Lower Upper
43 100
58 55.6 25.8 77.3

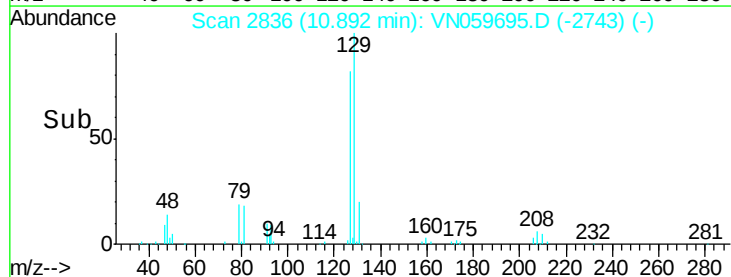
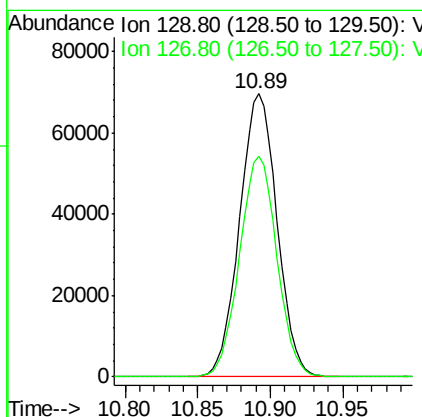
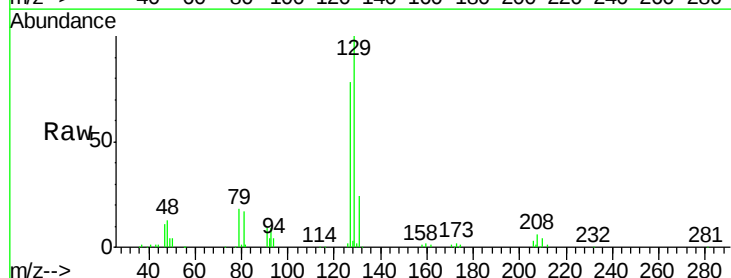
Manual Integrations
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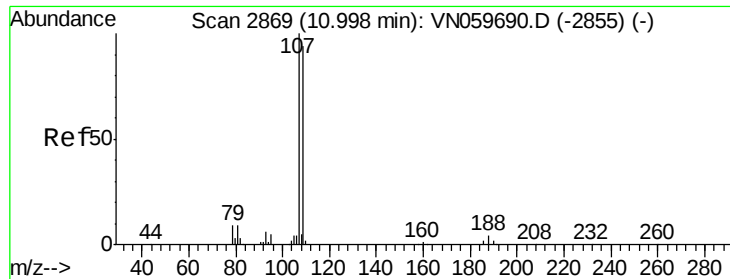
MMDadoda
1/15/2020 10:55:05 AM



#60
Dibromochloromethane
Concen: 56.780 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. 0.00 min
Lab File: VN059695.D
Acq: 14 Jan 2020 9:27

Tgt Ion: 129 Resp: 125267
Ion Ratio Lower Upper
129 100
127 77.6 38.5 115.5





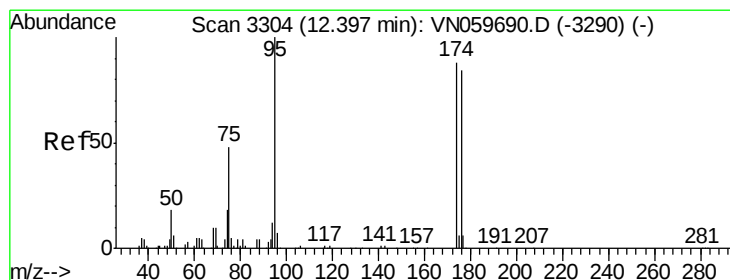
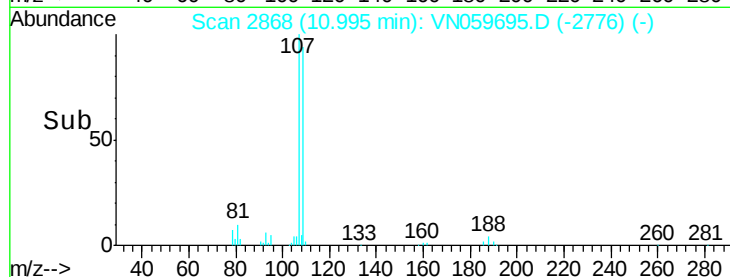
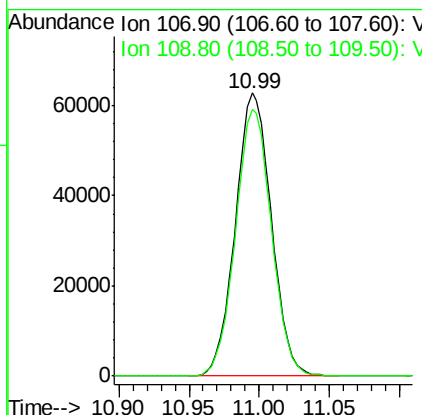
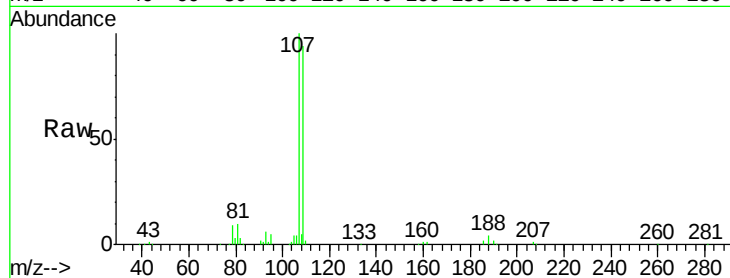
#61
 1,2-Dibromoethane
 Concen: 55.272 ug/l
 RT: 10.99 min Scan# 2868
 Delta R.T. -0.00 min
 Lab File: VN059695.D
 Acq: 14 Jan 2020 9:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 107 Resp: 112234
 Ion Ratio Lower Upper
 107 100
 109 94.4 76.6 115.0

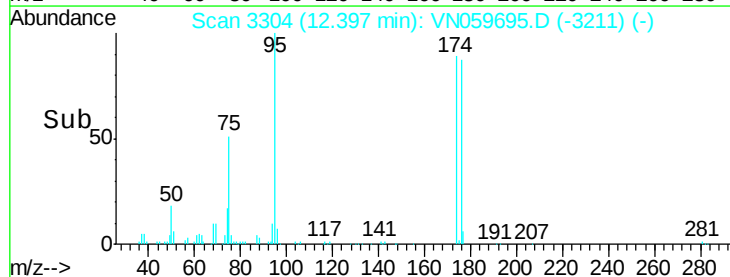
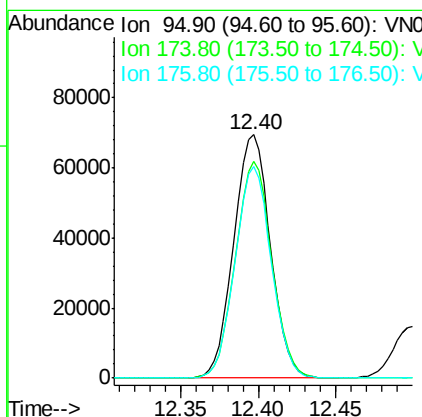
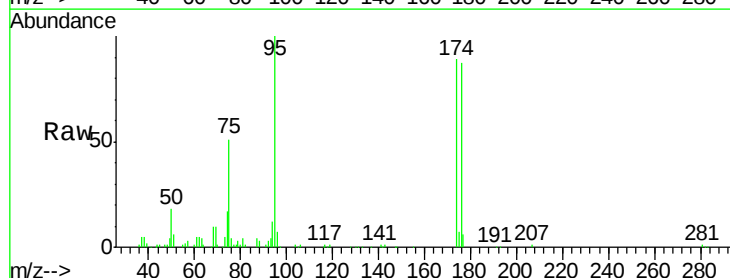
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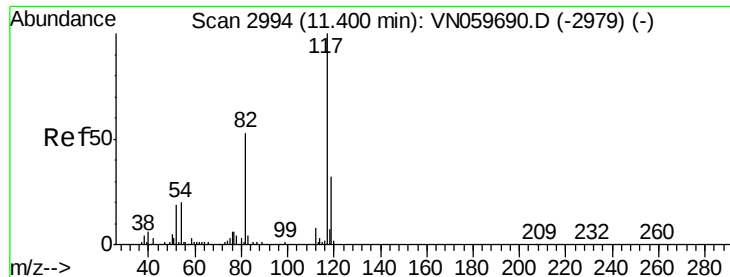
MMDadoda
 1/15/2020 10:55:05 AM



#62
 4-Bromofluorobenzene
 Concen: 46.139 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. 0.00 min
 Lab File: VN059695.D
 Acq: 14 Jan 2020 9:27

Tgt Ion: 95 Resp: 114594
 Ion Ratio Lower Upper
 95 100
 174 88.5 0.0 151.4
 176 85.7 0.0 146.0





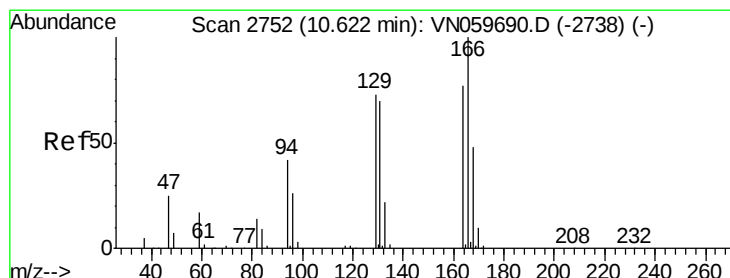
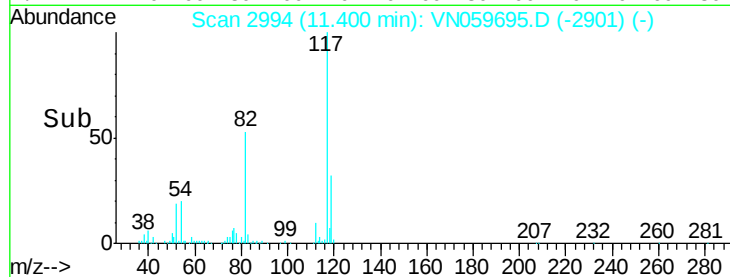
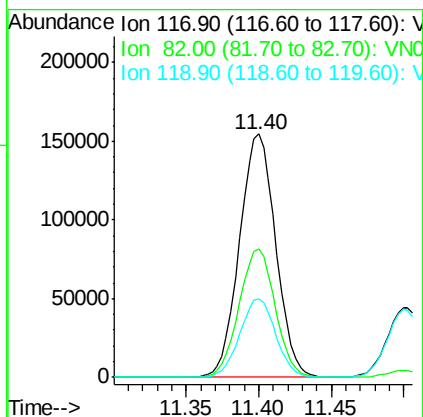
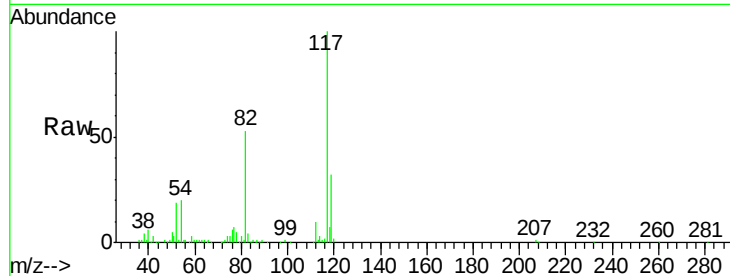
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN059695.D
Acq: 14 Jan 2020 9:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	268192		
82	52.8	45.9	68.9	
119	32.5	25.5	38.3	

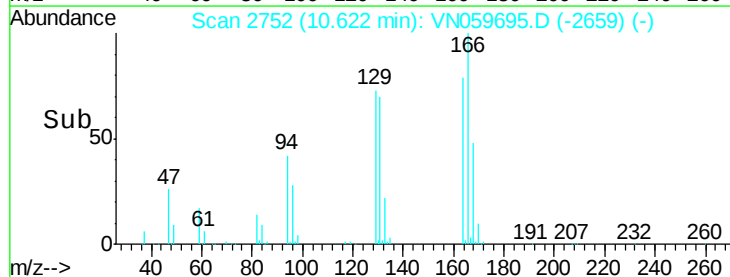
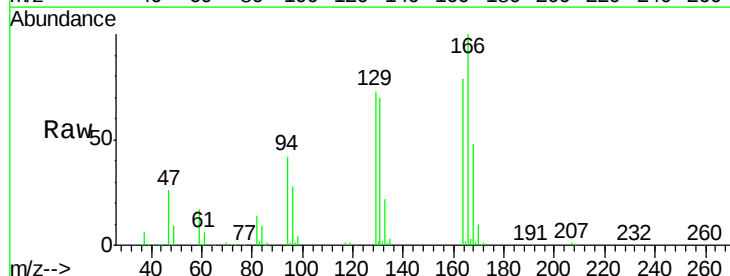
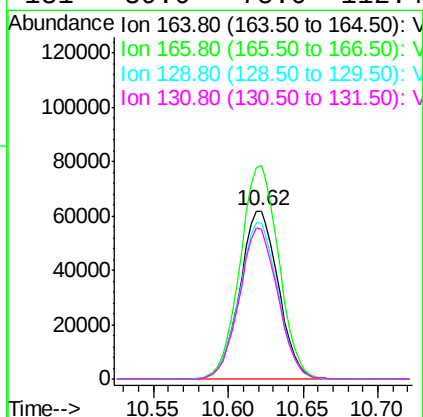
Manual Integrations
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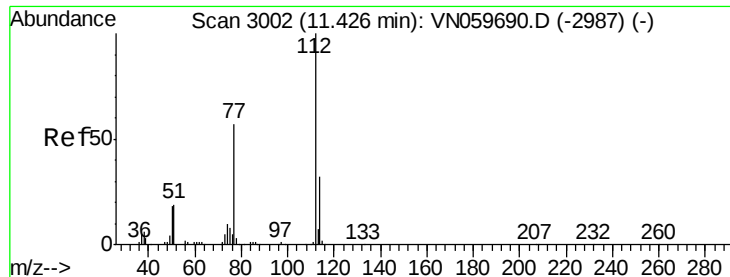
MMDadoda
1/15/2020 10:55:05 AM



#64
Tetrachloroethene
Concen: 50.430 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. 0.00 min
Lab File: VN059695.D
Acq: 14 Jan 2020 9:27

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	110229		
166	127.3	101.4	152.0	
129	92.8	80.2	120.4	
131	89.0	75.0	112.4	





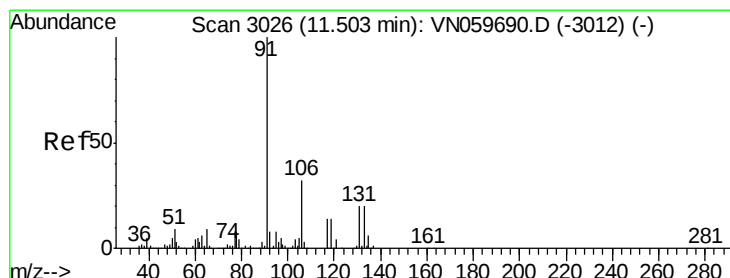
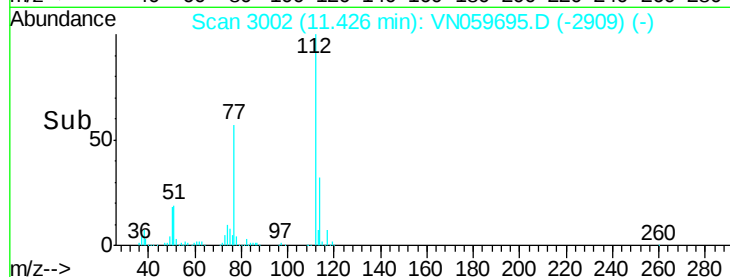
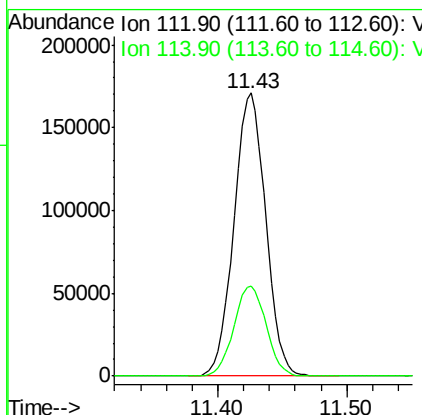
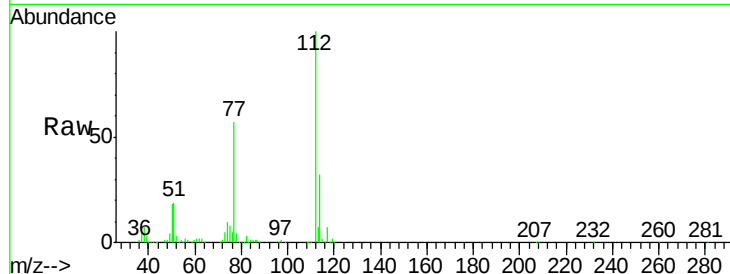
#65
Chlorobenzene
Concen: 55.429 ug/l
RT: 11.43 min Scan# 3002
Delta R.T. 0.00 min
Lab File: VN059695.D
Acq: 14 Jan 2020 9:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.0	25.8	38.8

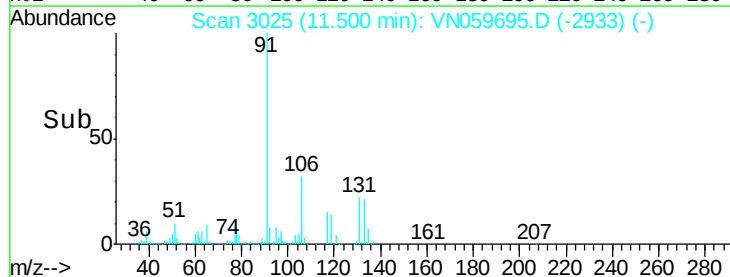
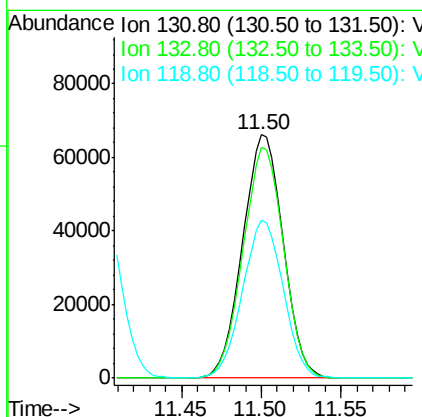
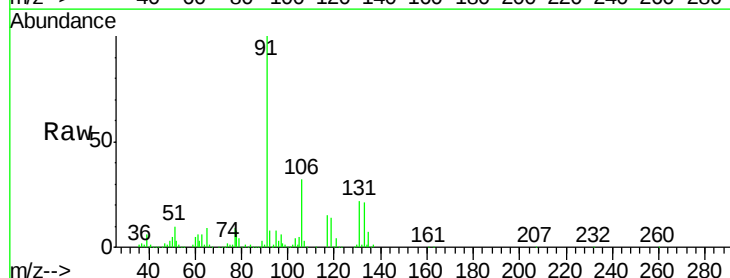
Manual Integrations
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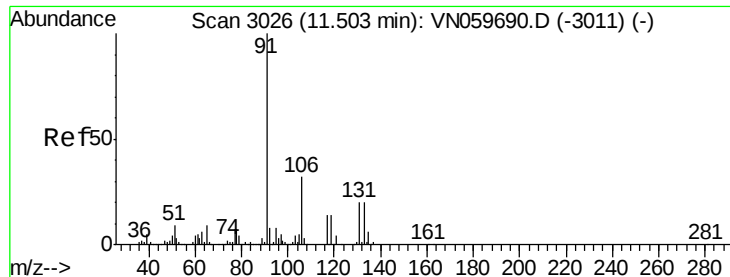
MMDadoda
1/15/2020 10:55:05 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 56.438 ug/l
RT: 11.50 min Scan# 3025
Delta R.T. -0.00 min
Lab File: VN059695.D
Acq: 14 Jan 2020 9:27

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.0	47.4	142.2
119	65.2	33.1	99.3





#67

Ethyl Benzene

Concen: 55.192 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. 0.00 min

Lab File: VN059695.D

Acq: 14 Jan 2020 9:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 528146

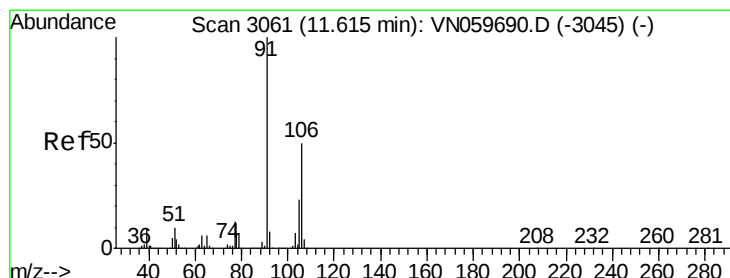
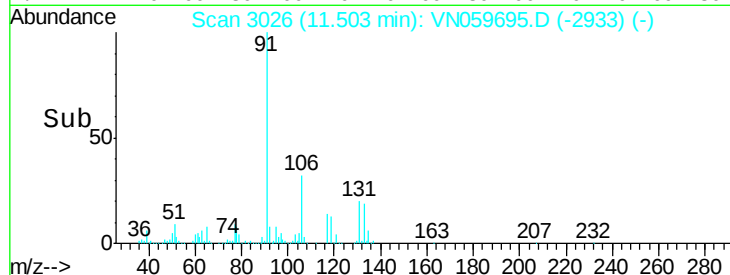
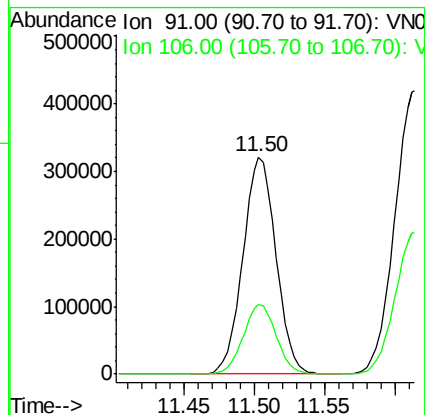
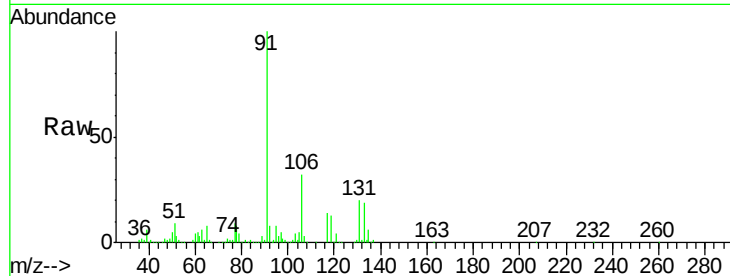
Ion Ratio Lower Upper

91 100

106 32.0 24.1 36.1

Manual Integrations
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1/15/2020 10:55:05 AM



#68

m/p-Xylenes

Concen: 112.426 ug/l

RT: 11.62 min Scan# 3061

Delta R.T. 0.00 min

Lab File: VN059695.D

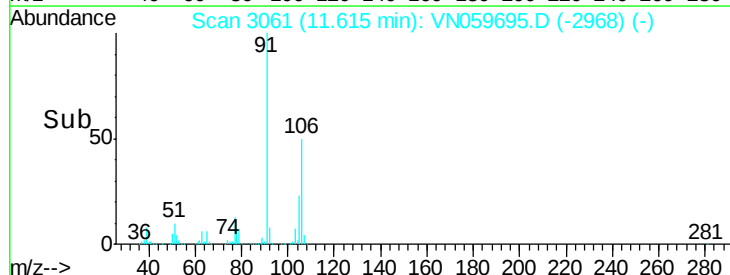
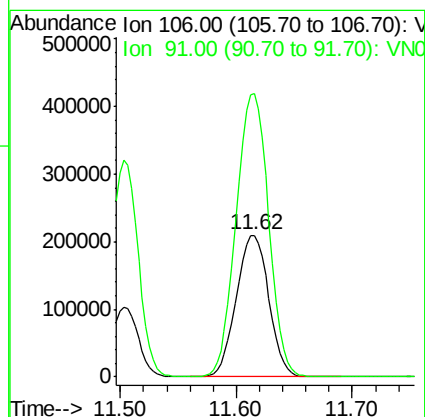
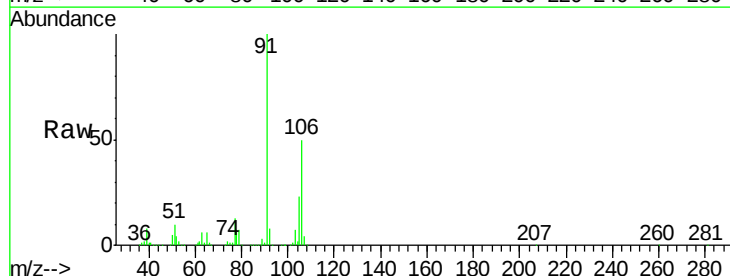
Acq: 14 Jan 2020 9:27

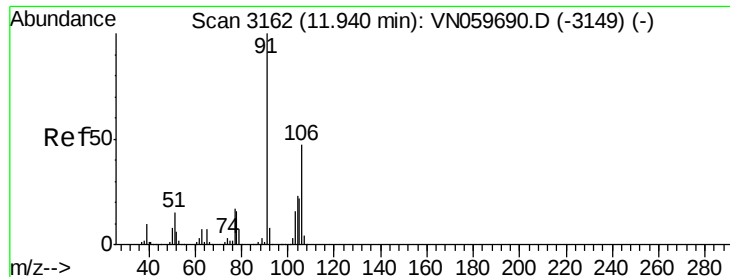
Tgt Ion: 106 Resp: 406388

Ion Ratio Lower Upper

106 100

91 200.1 167.9 251.9





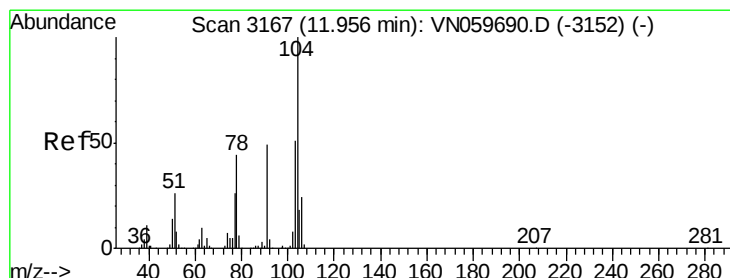
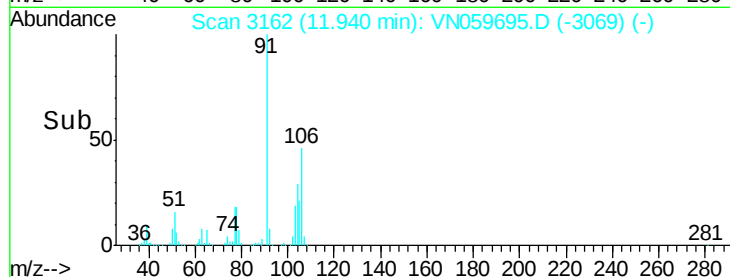
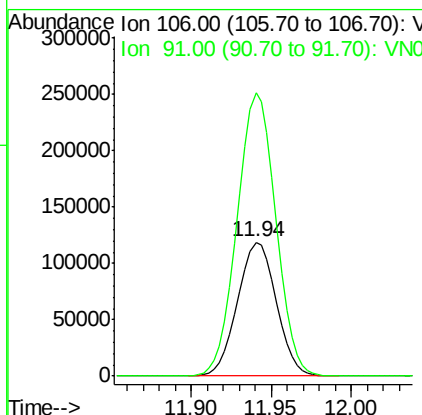
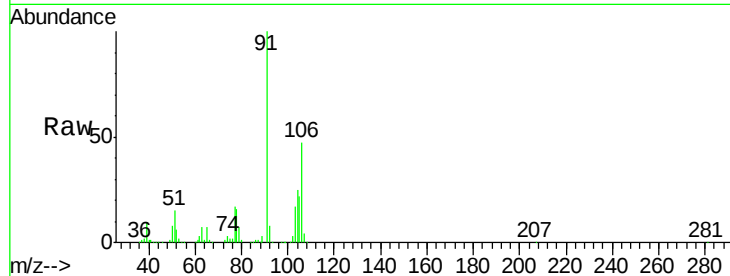
#69
o-Xylene
Concen: 55.480 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. 0.00 min
Lab File: VN059695.D
Acq: 14 Jan 2020 9:27

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion:106 Resp: 196333
Ion Ratio Lower Upper
106 100
91 210.8 110.3 330.9

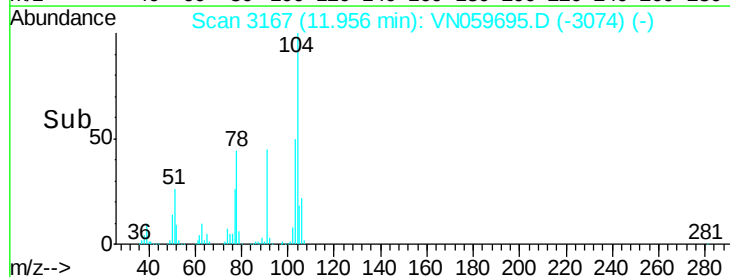
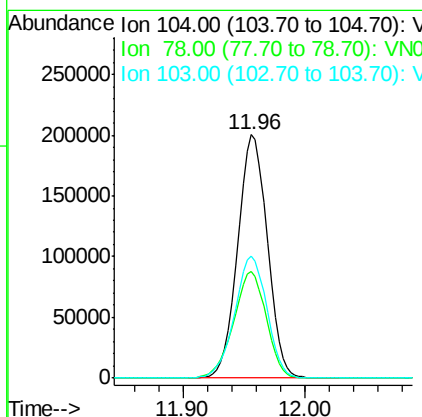
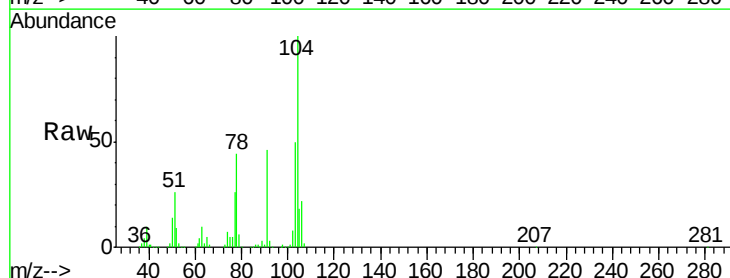
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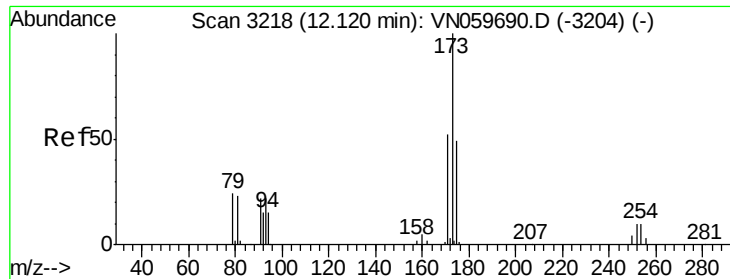
MMDadoda
1/15/2020 10:55:05 AM



#70
Styrene
Concen: 56.852 ug/l
RT: 11.96 min Scan# 3167
Delta R.T. 0.00 min
Lab File: VN059695.D
Acq: 14 Jan 2020 9:27

Tgt Ion:104 Resp: 336659
Ion Ratio Lower Upper
104 100
78 48.3 42.4 63.6
103 54.4 43.9 65.9





#71

Bromoform

Concen: 57.050 ug/l

RT: 12.12 min Scan# 3218

Delta R.T. 0.00 min

Lab File: VN059695.D

Acq: 14 Jan 2020 9:27

Instrument :

MSVOA_N

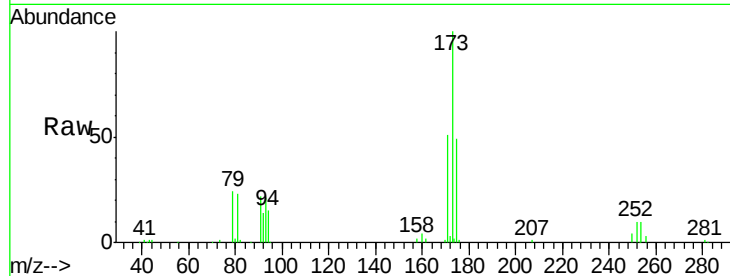
ClientSampleId :

VSTDCCC050

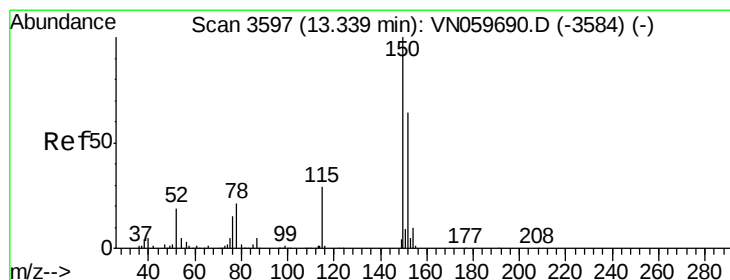
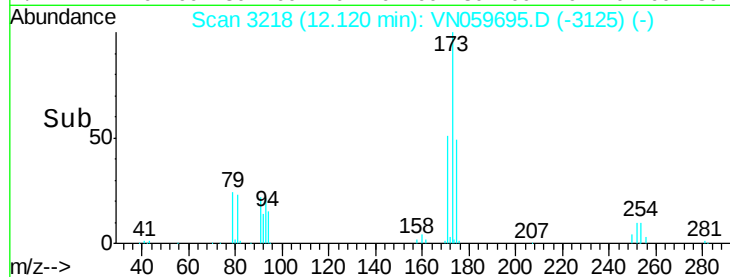
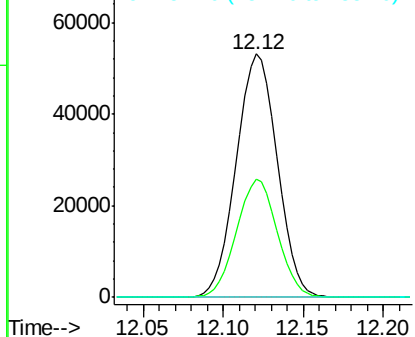
Tot Ion:	173	Resp:	93080
Ion Ratio	Lower	Upper	
173	100		
175	48.5	23.8	71.4
254	0.0	0.0	0.0

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

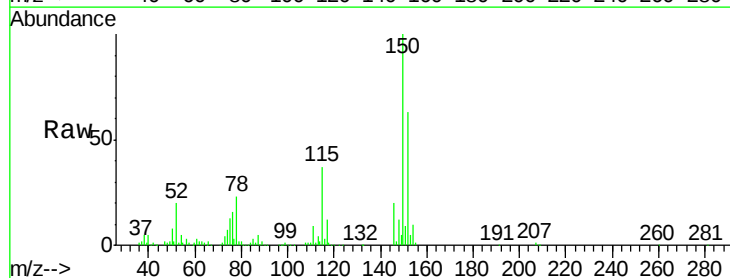
RT: 13.34 min Scan# 3597

Delta R.T. 0.00 min

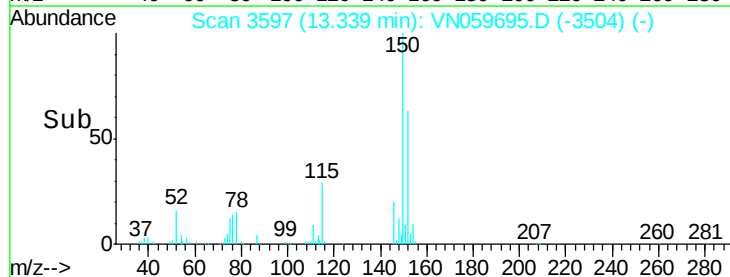
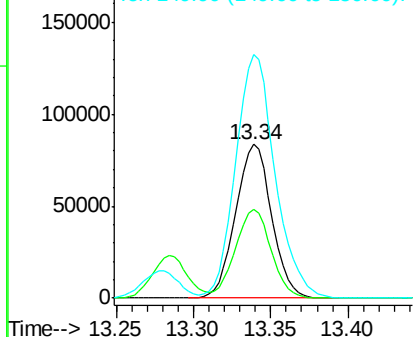
Lab File: VN059695.D

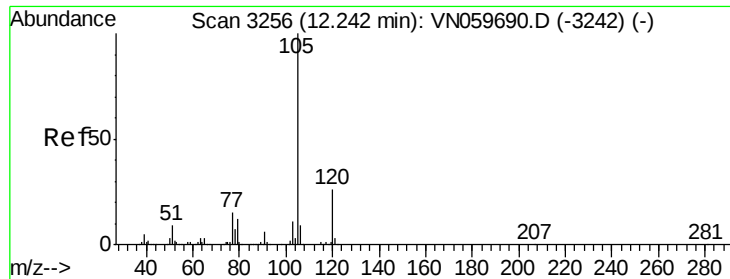
Acq: 14 Jan 2020 9:27

Tgt Ion:	152	Resp:	134884
Ion Ratio	Lower	Upper	
152	100		
115	57.4	30.3	90.9
150	174.3	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





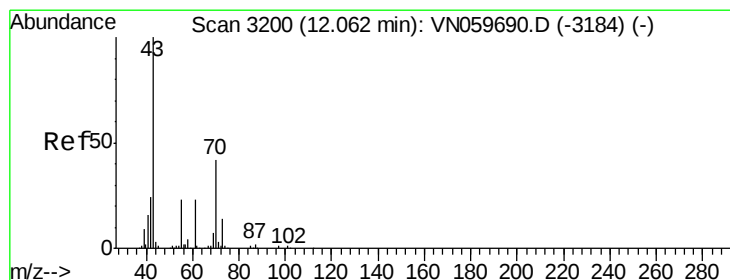
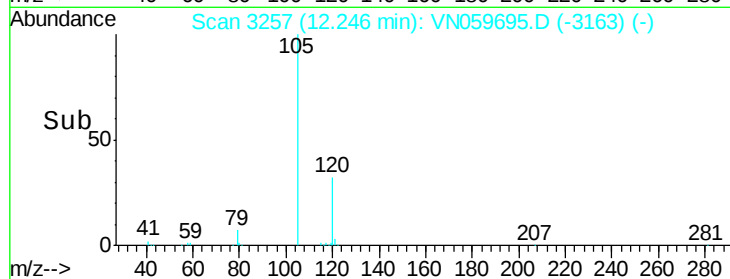
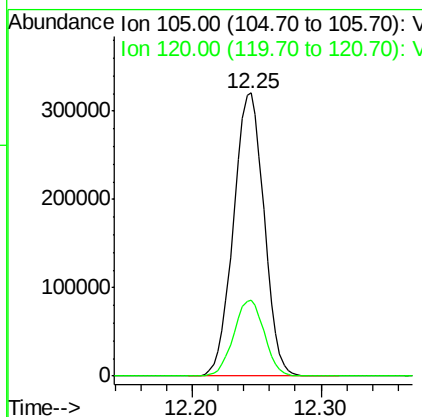
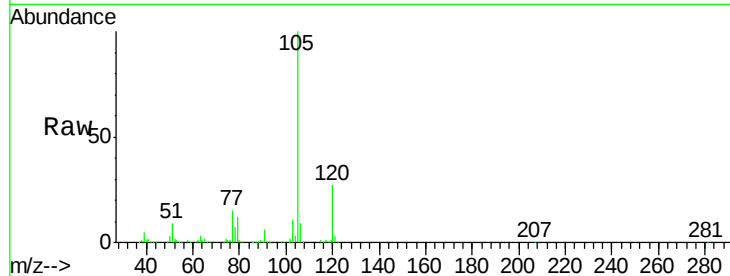
#73
Isopropylbenzene
Concen: 53.271 ug/l
RT: 12.25 min Scan# 3257
Delta R.T. 0.00 min
Lab File: VN059695.D
Acq: 14 Jan 2020 9:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.9	13.2	39.5

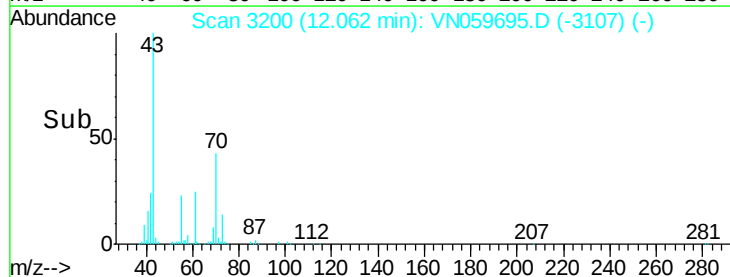
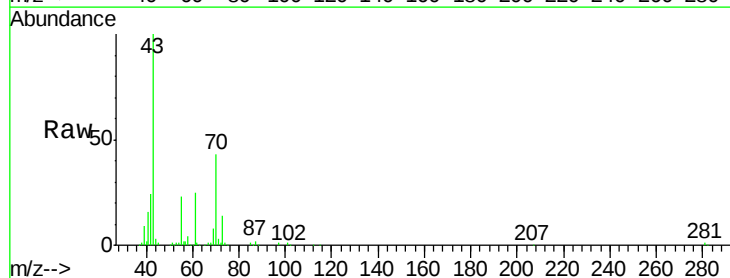
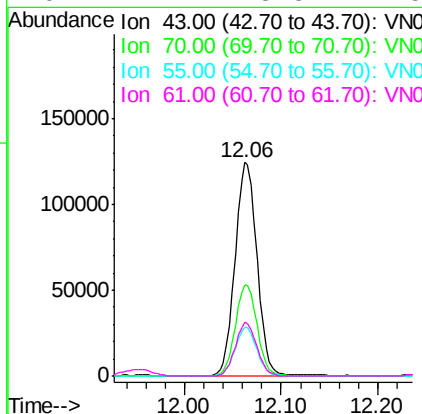
Manual Integrations
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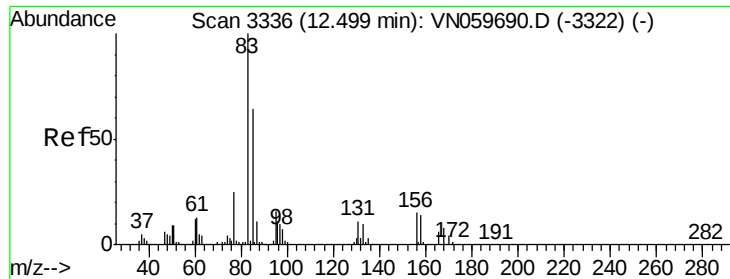
MMDadoda
1/15/2020 10:55:05 AM



#74
N-ethyl acetate
Concen: 51.395 ug/l
RT: 12.06 min Scan# 3200
Delta R.T. 0.00 min
Lab File: VN059695.D
Acq: 14 Jan 2020 9:27

Tgt Ion	Ratio	Lower	Upper
43	100		
70	42.3	31.3	46.9
55	22.4	19.8	29.6
61	24.4	18.3	27.5





#75

1,1,2,2-Tetrachloroethane

Concen: 51.515 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN059695.D

Acq: 14 Jan 2020 9:27

Instrument :

MSVOA_N

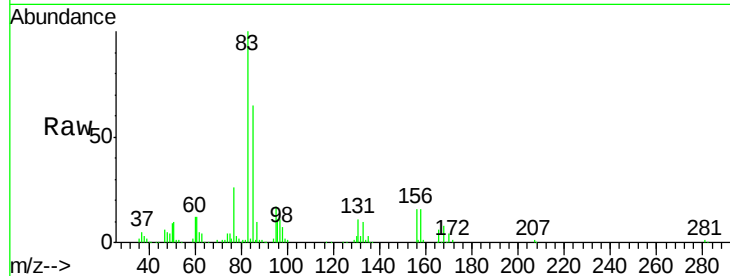
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	147734
Ion Ratio	Lower	Upper	
83	100		
131	10.9	5.0	14.9
85	64.6	31.9	95.5

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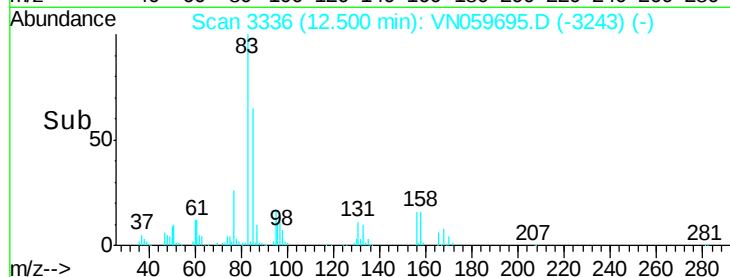


Abundance Ion 82.90 (82.60 to 83.60): VN059695.D (-3336) (-)

Ion 130.80 (130.50 to 131.50): VN059695.D (-3336) (-)

Ion 84.90 (84.60 to 85.60): VN059695.D (-3336) (-)

Time-->

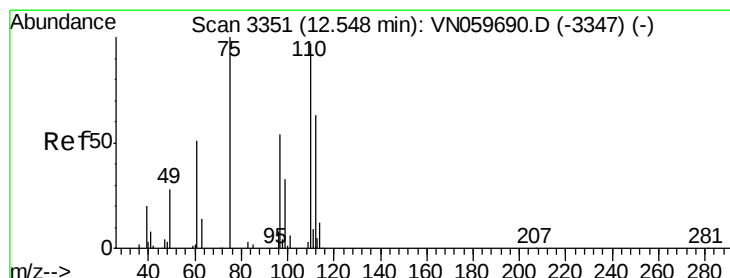


Abundance Ion 82.90 (82.60 to 83.60): VN059695.D (-3336) (-)

Ion 130.80 (130.50 to 131.50): VN059695.D (-3336) (-)

Ion 84.90 (84.60 to 85.60): VN059695.D (-3336) (-)

Time-->



#76

1,2,3-Trichloropropane

Concen: 57.424 ug/l m

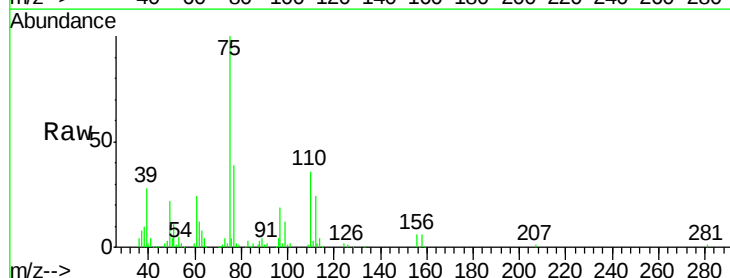
RT: 12.55 min Scan# 3351

Delta R.T. 0.00 min

Lab File: VN059695.D

Acq: 14 Jan 2020 9:27

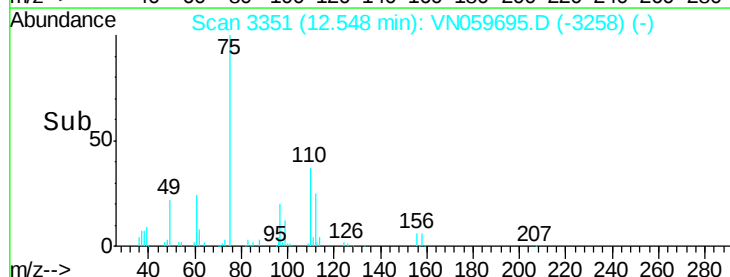
Tgt Ion:	75	Resp:	130351
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VN059695.D (-3351) (-)

Ion 77.00 (76.70 to 77.70): VN059695.D (-3351) (-)

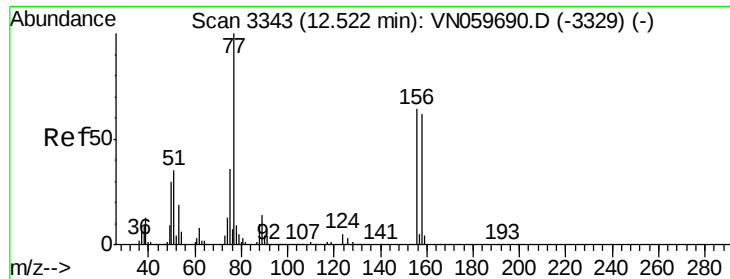
Time-->



Abundance Ion 74.90 (74.60 to 75.60): VN059695.D (-3351) (-)

Ion 77.00 (76.70 to 77.70): VN059695.D (-3351) (-)

Time-->



#77

Bromobenzene

Concen: 53.731 ug/l

RT: 12.52 min Scan# 3342

Delta R.T. -0.00 min

Lab File: VN059695.D

Acq: 14 Jan 2020 9:27

Instrument :

MSVOA_N

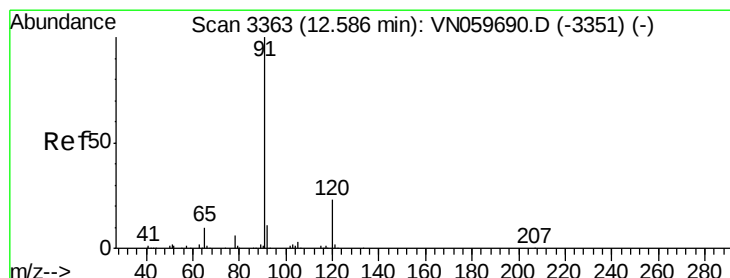
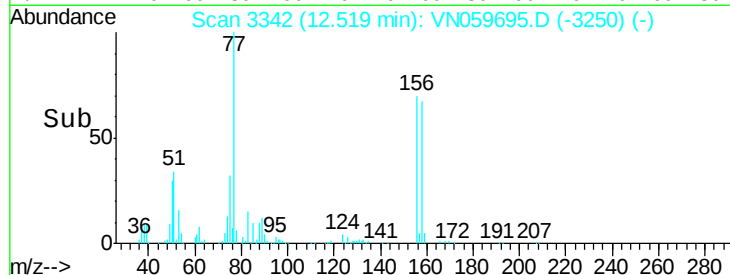
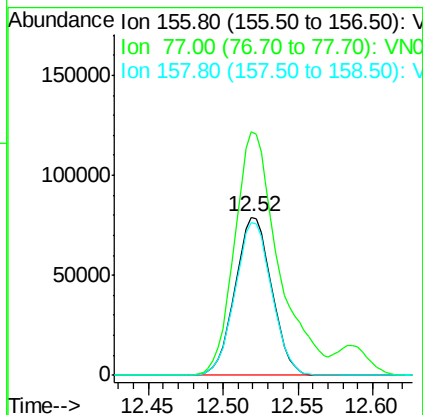
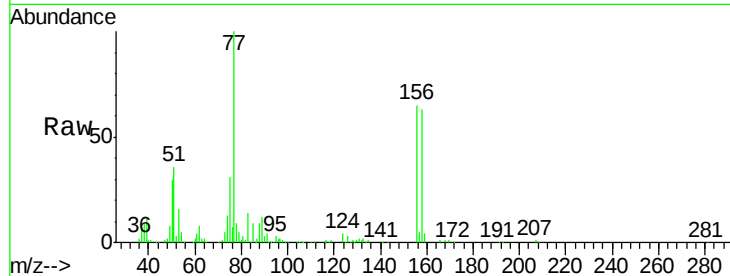
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	134603
Ion Ratio	Lower	Upper	
156	100		
77	185.3	115.8	347.4
158	97.0	49.2	147.6

Manual Integrations
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#78

n-propylbenzene

Concen: 54.526 ug/l

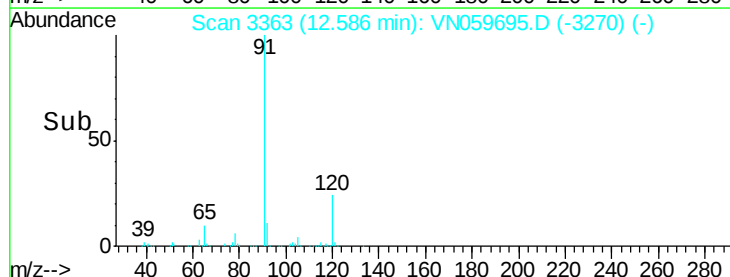
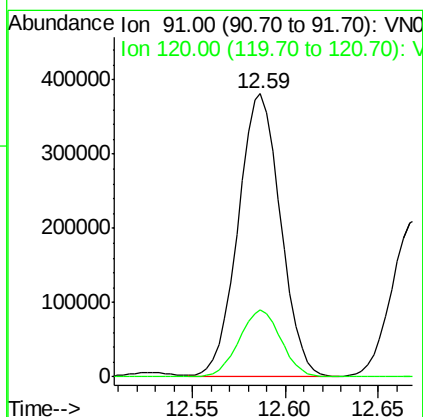
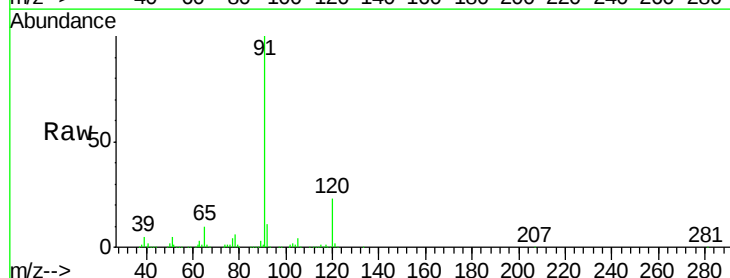
RT: 12.59 min Scan# 3363

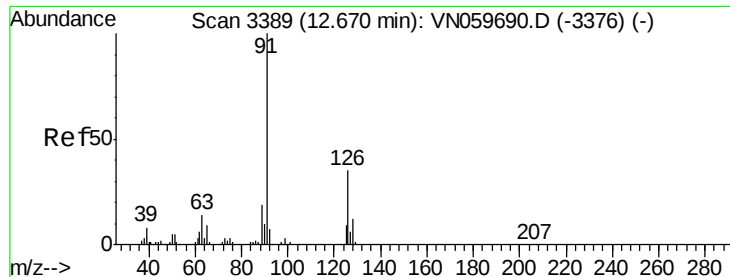
Delta R.T. 0.00 min

Lab File: VN059695.D

Acq: 14 Jan 2020 9:27

Tgt Ion:	91	Resp:	605405
Ion Ratio	Lower	Upper	
91	100		
120	23.5	11.1	33.3





#79

2-Chlorotoluene

Concen: 52.777 ug/l

RT: 12.67 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VN059695.D

Acq: 14 Jan 2020 9:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 348604

Ion Ratio Lower Upper

91 100

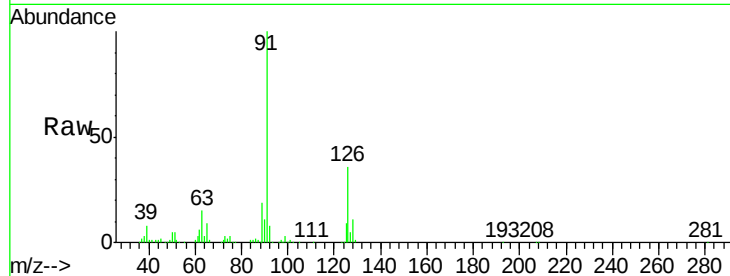
126 35.7 16.3 48.9

Manual Integrations

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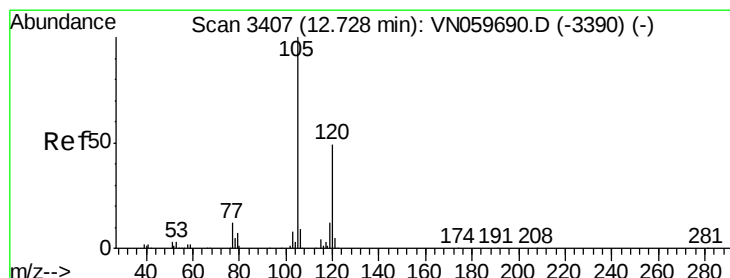
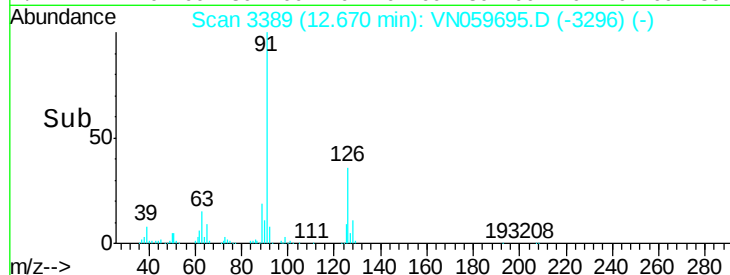
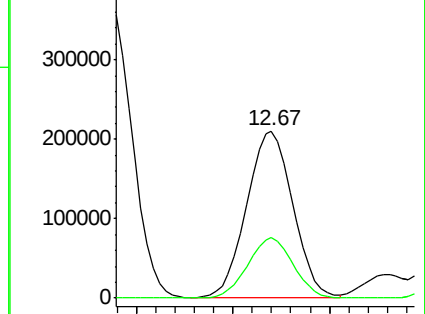
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Abundance Ion 91.00 (90.70 to 91.70): VN059695.D (-3376) (-)

Ion 125.90 (125.60 to 126.60): VN059695.D (-3376) (-)



#80

1,3,5-Trimethylbenzene

Concen: 54.112 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. 0.00 min

Lab File: VN059695.D

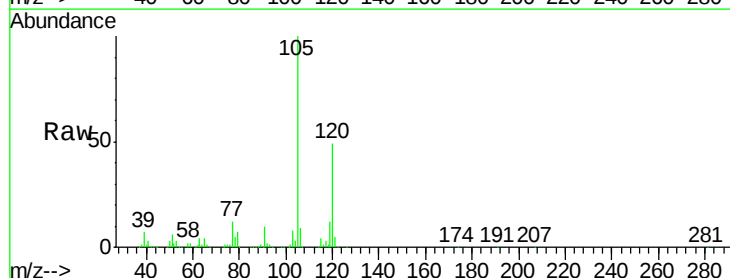
Acq: 14 Jan 2020 9:27

Tgt Ion: 105 Resp: 450183

Ion Ratio Lower Upper

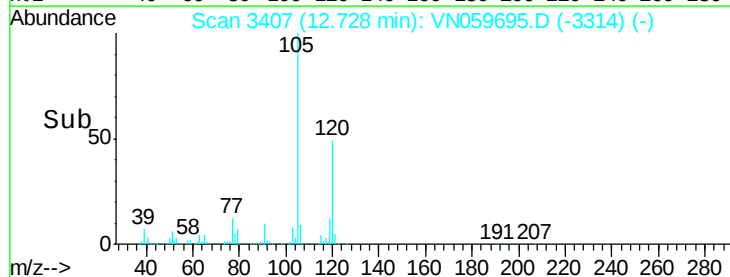
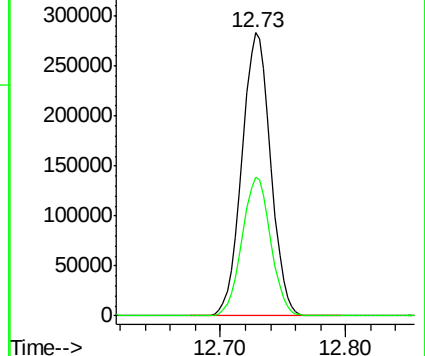
105 100

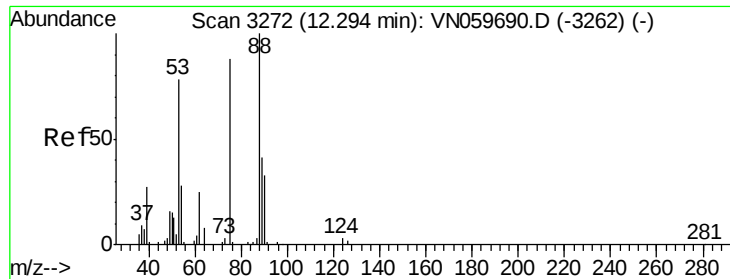
120 49.0 24.1 72.4



Abundance Ion 105.00 (104.70 to 105.70): VN059695.D (-3390) (-)

Ion 120.00 (119.70 to 120.70): VN059695.D (-3390) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 53.495 ug/l

RT: 12.29 min Scan# 3272

Delta R.T. 0.00 min

Lab File: VN059695.D

Acq: 14 Jan 2020 9:27

Instrument :

MSVOA_N

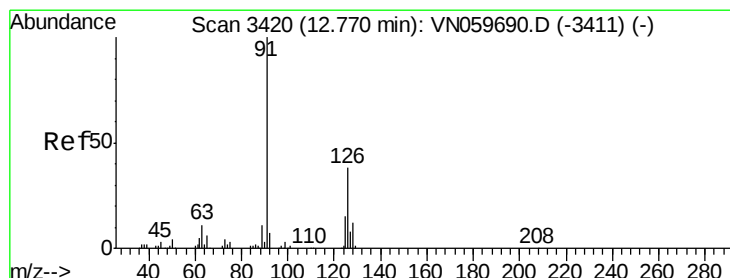
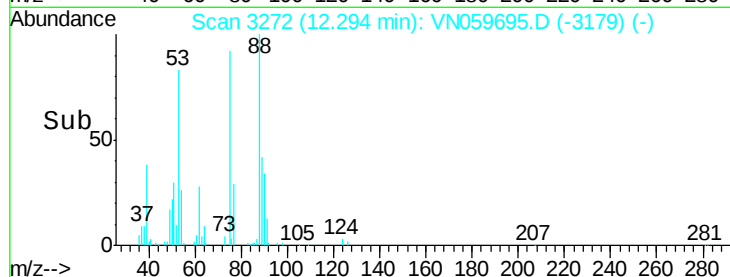
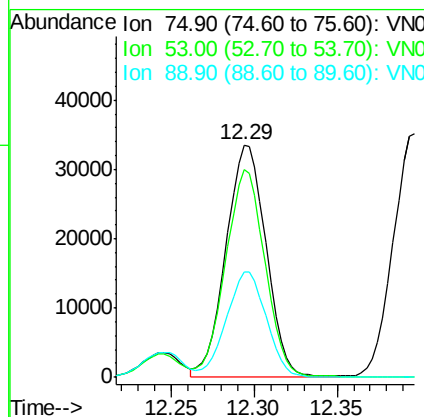
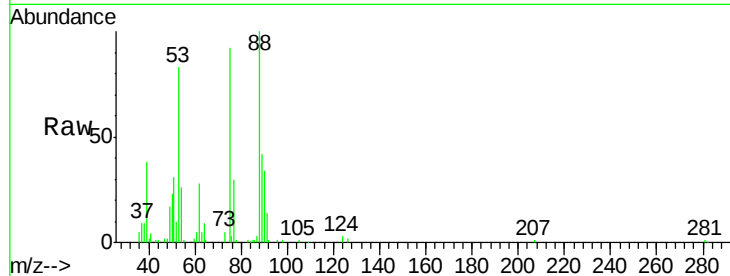
ClientSampleId :

VSTDCCC050

Tot Ion:	75	Resp:	56545
Ion Ratio	Lower	Upper	
75	100		
53	88.1	78.1	117.1
89	45.0	35.4	53.2

Manual Integrations
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#82

4-Chlorotoluene

Concen: 54.655 ug/l

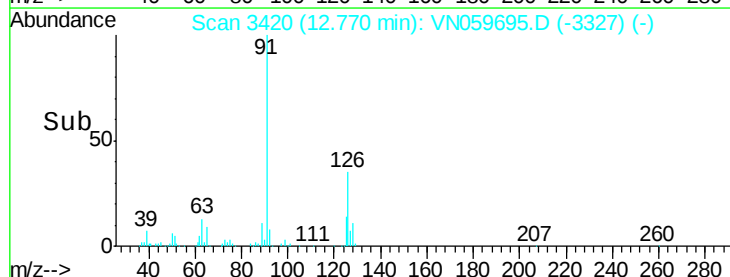
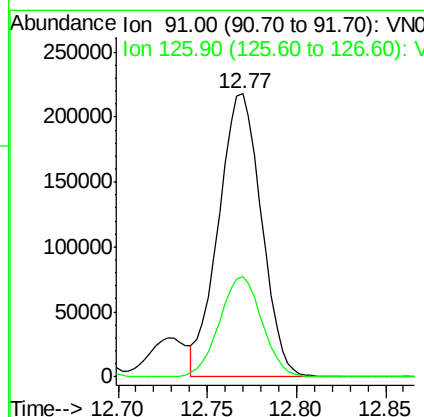
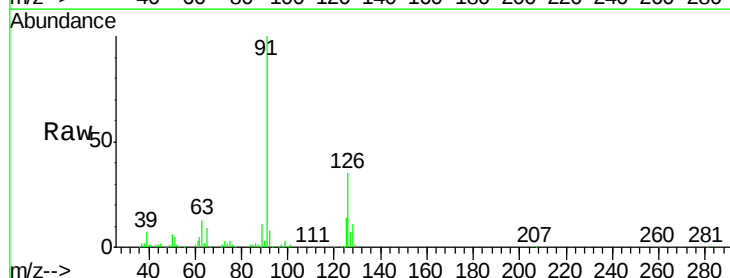
RT: 12.77 min Scan# 3420

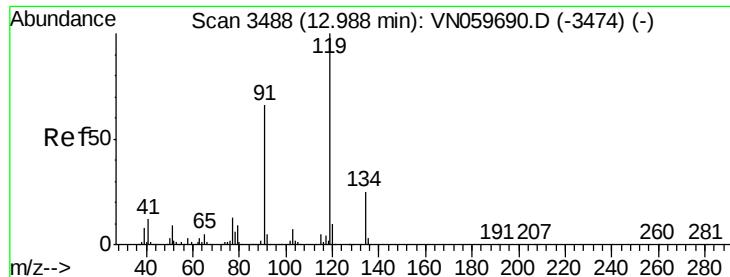
Delta R.T. 0.00 min

Lab File: VN059695.D

Acq: 14 Jan 2020 9:27

Tgt Ion:	91	Resp:	362099
Ion Ratio	Lower	Upper	
91	100		
126	35.2	16.3	48.8





#83

tert-Butylbenzene

Concen: 53.654 ug/l

RT: 12.99 min Scan# 3488

Delta R.T. 0.00 min

Lab File: VN059695.D

Acq: 14 Jan 2020 9:27

Instrument :

MSVOA_N

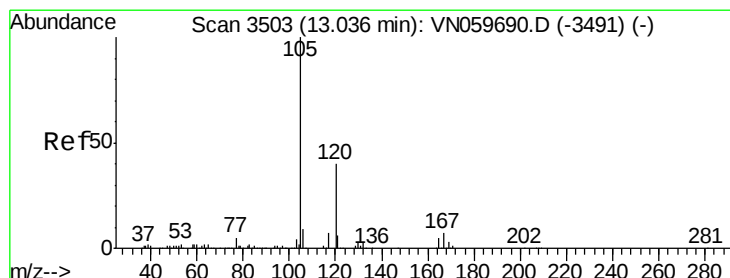
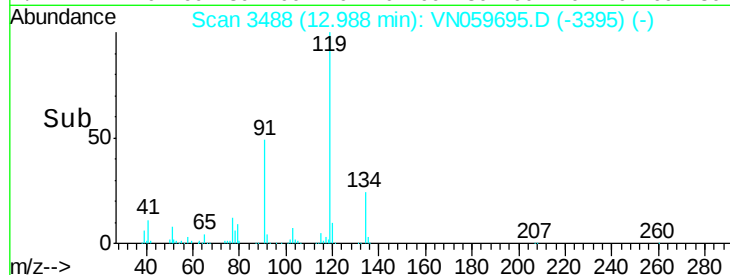
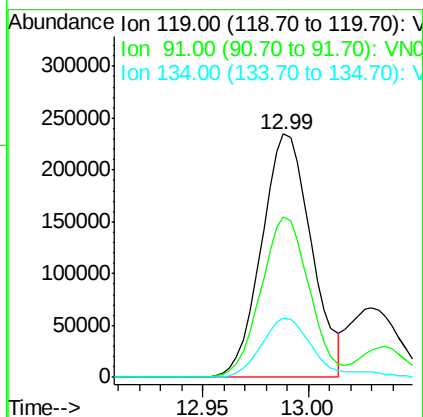
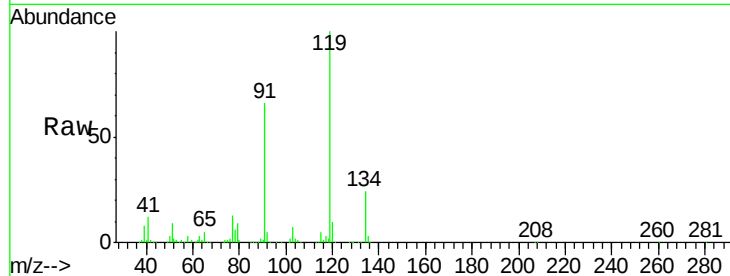
ClientSampleId :

VSTDCCC050

Tot Ion:	119	Resp:	386059
Ion Ratio	Lower	Upper	
119	100		
91	64.1	34.8	104.4
134	25.8	12.3	36.9

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#84

1,2,4-Trimethylbenzene

Concen: 55.148 ug/l

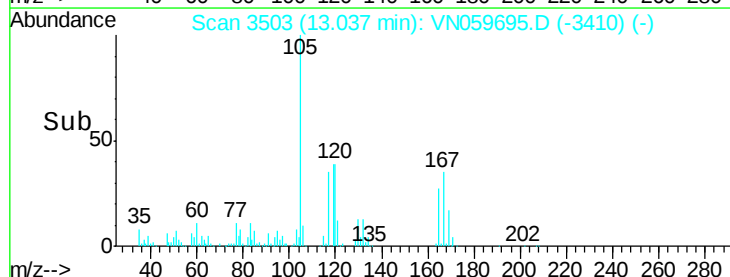
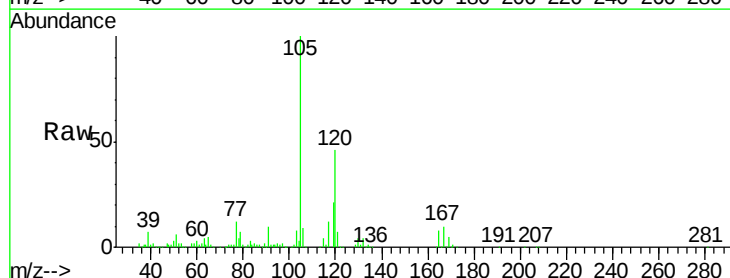
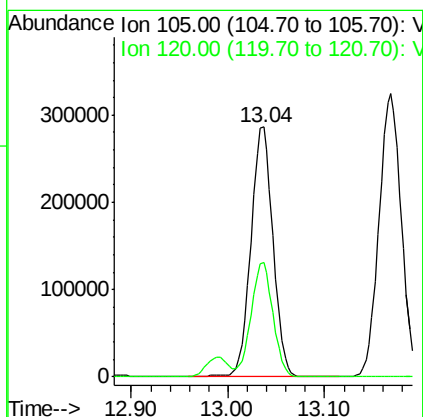
RT: 13.04 min Scan# 3503

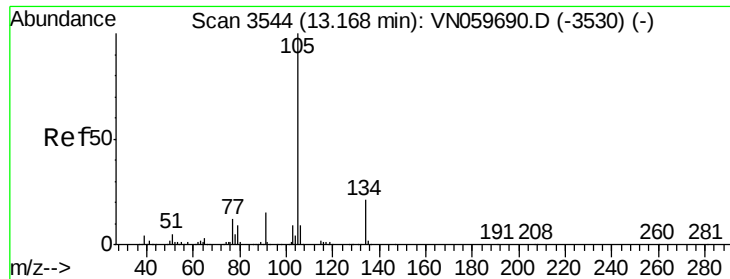
Delta R.T. 0.00 min

Lab File: VN059695.D

Acq: 14 Jan 2020 9:27

Tgt Ion:	105	Resp:	453902
Ion Ratio	Lower	Upper	
105	100		
120	45.1	22.3	66.9





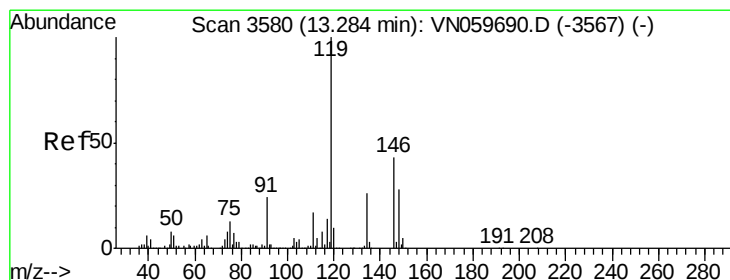
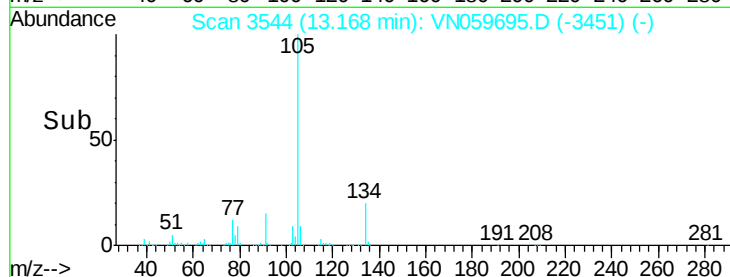
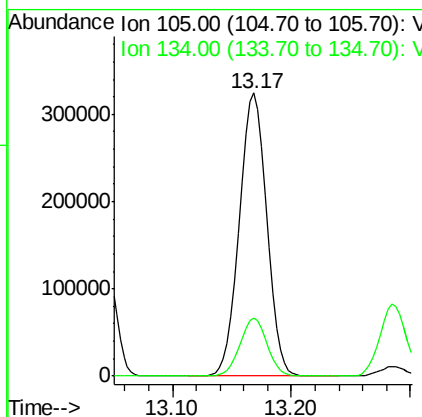
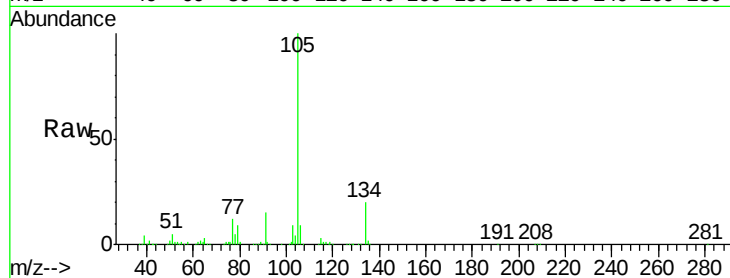
#85
 sec-Butylbenzene
 Concen: 54.772 ug/l
 RT: 13.17 min Scan# 3544
 Delta R.T. 0.00 min
 Lab File: VN059695.D
 Acq: 14 Jan 2020 9:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.3	9.8	29.5

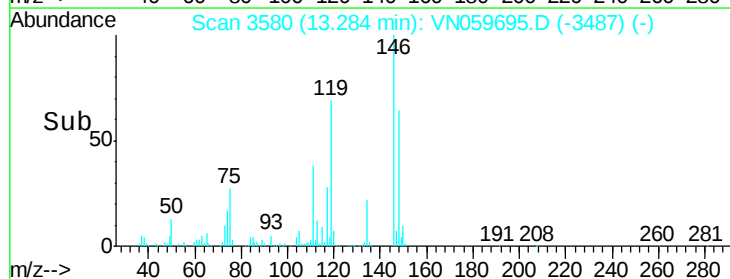
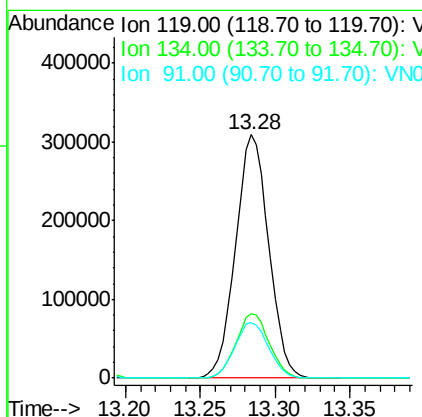
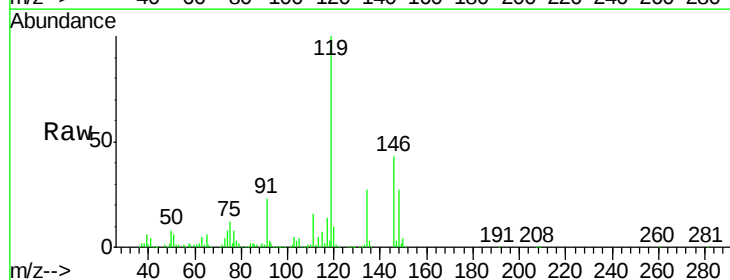
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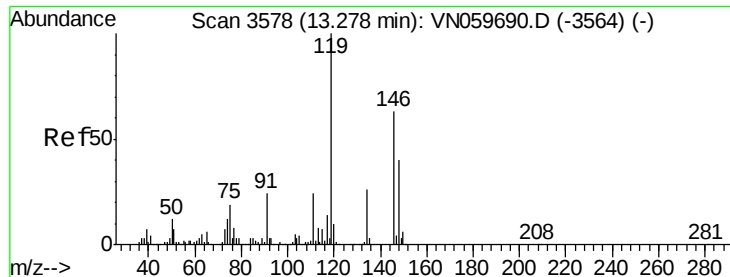
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#86
 p-Isopropyltoluene
 Concen: 54.343 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN059695.D
 Acq: 14 Jan 2020 9:27

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.7	12.9	38.7
91	23.5	12.4	37.4





#87

1,3-Dichlorobenzene

Concen: 55.471 ug/l

RT: 13.28 min Scan# 3578

Delta R.T. 0.00 min

Lab File: VN059695.D

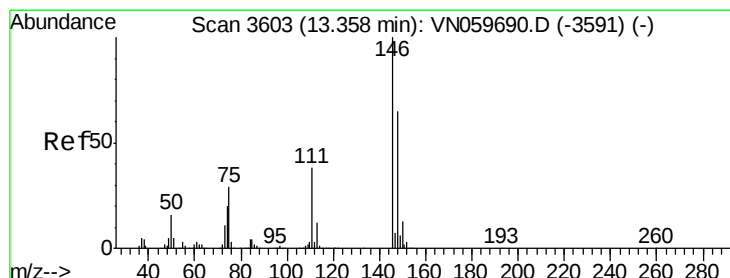
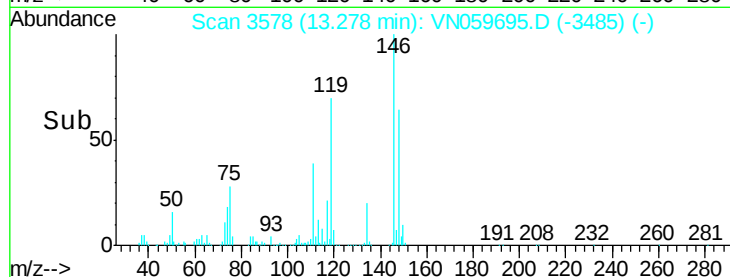
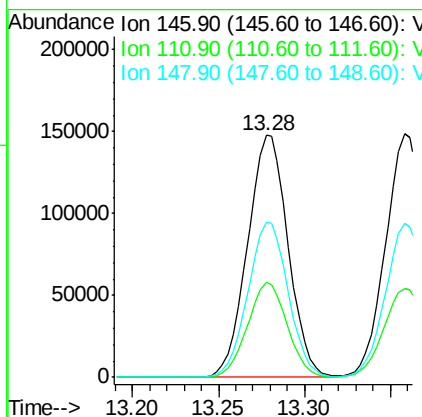
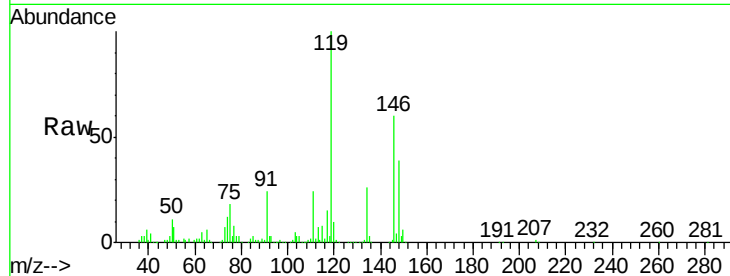
Acq: 14 Jan 2020 9:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	241383		
111	38.5	20.8	62.2	
148	63.8	32.0	96.0	

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#88

1,4-Dichlorobenzene

Concen: 55.618 ug/l

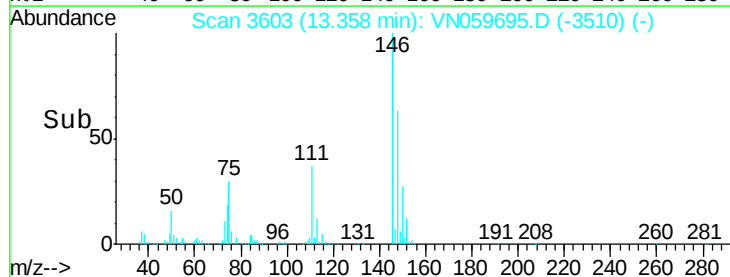
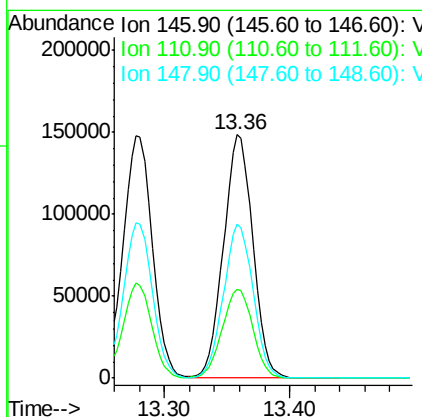
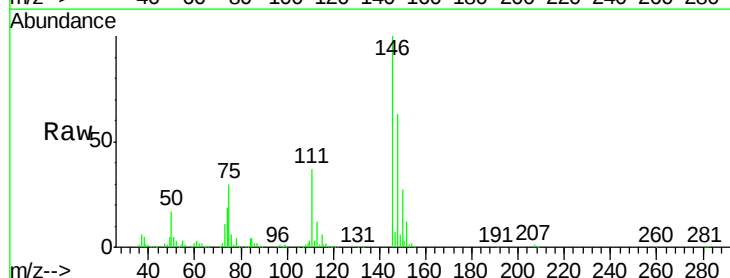
RT: 13.36 min Scan# 3603

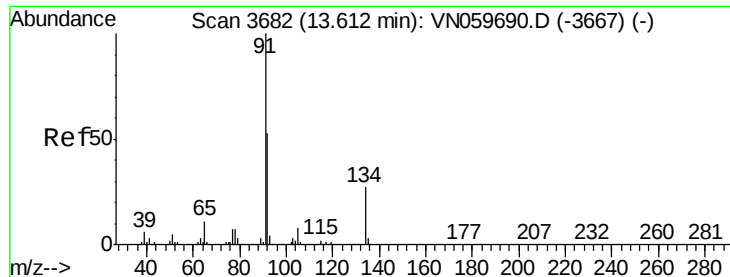
Delta R.T. 0.00 min

Lab File: VN059695.D

Acq: 14 Jan 2020 9:27

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	241443		
111	38.0	20.8	62.2	
148	63.4	31.8	95.4	





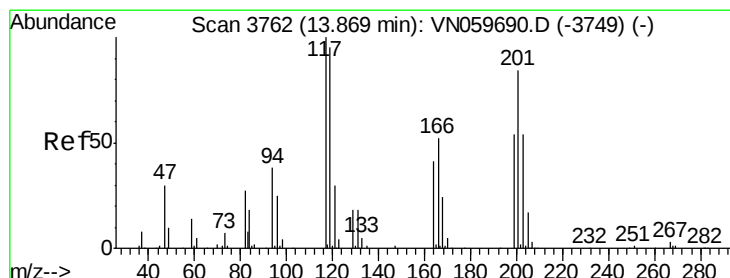
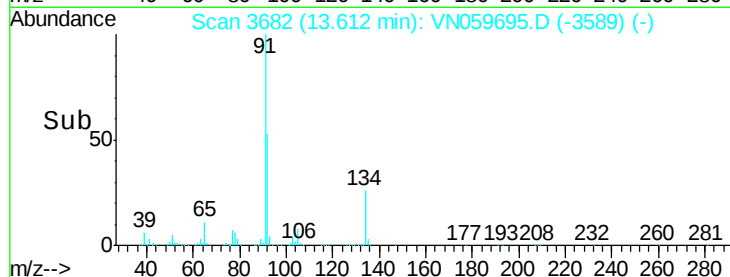
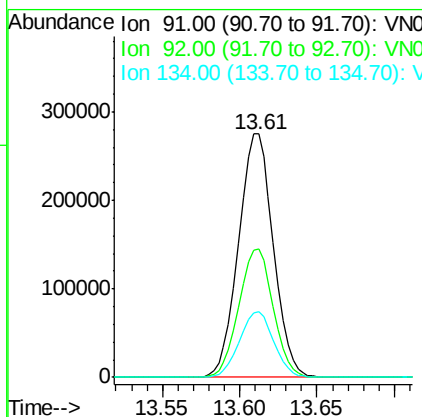
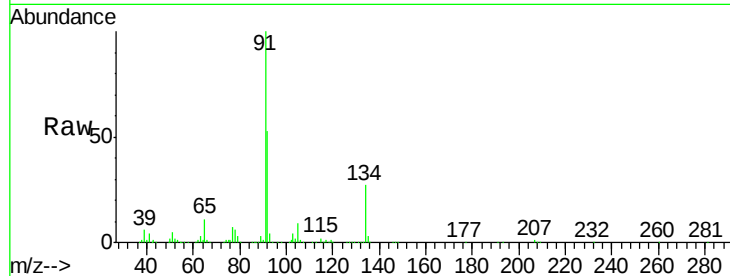
#89
n-Butylbenzene
Concen: 57.401 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN059695.D
Acq: 14 Jan 2020 9:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.4	25.9	77.7
134	26.8	12.3	36.8

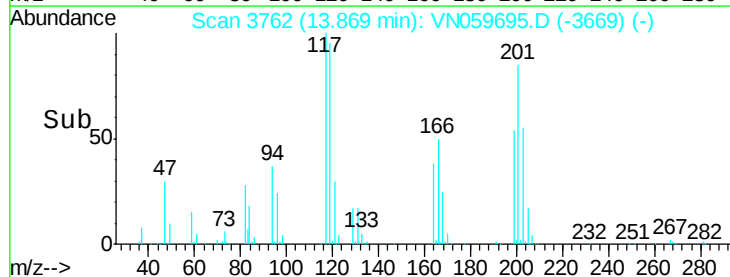
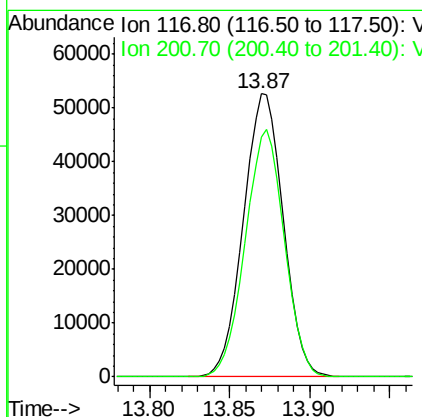
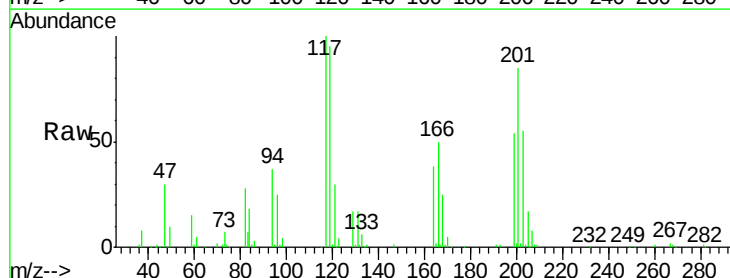
Manual Integrations
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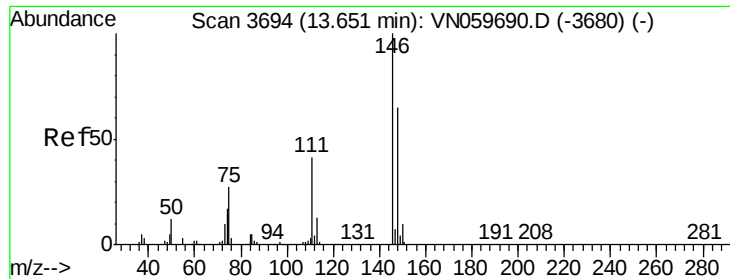
MMDadoda
1/15/2020 10:55:05 AM



#90
Hexachloroethane
Concen: 54.735 ug/l
RT: 13.87 min Scan# 3762
Delta R.T. 0.00 min
Lab File: VN059695.D
Acq: 14 Jan 2020 9:27

Tgt Ion	Ratio	Lower	Upper
117	100		
201	85.7	37.8	113.4





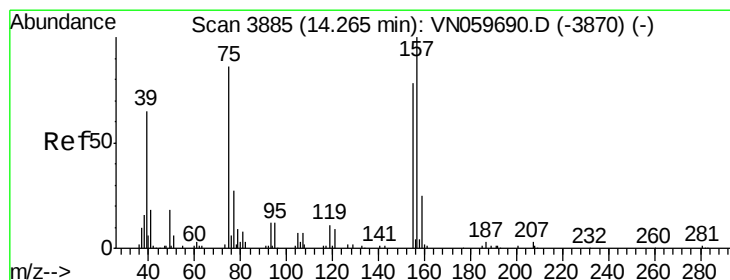
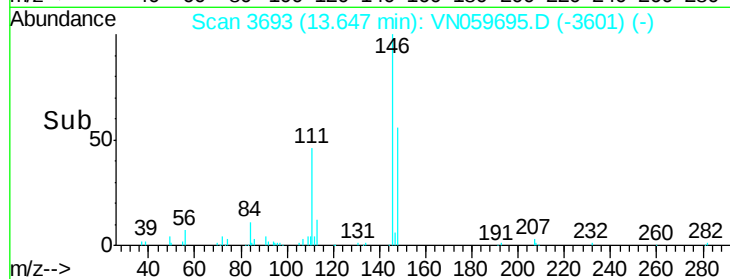
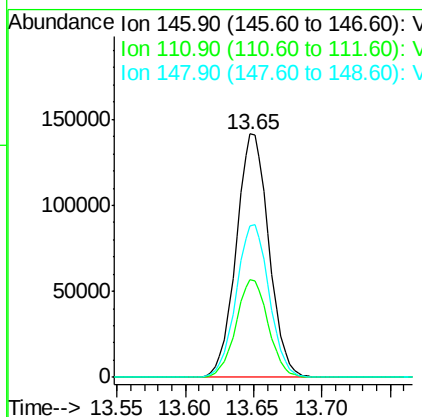
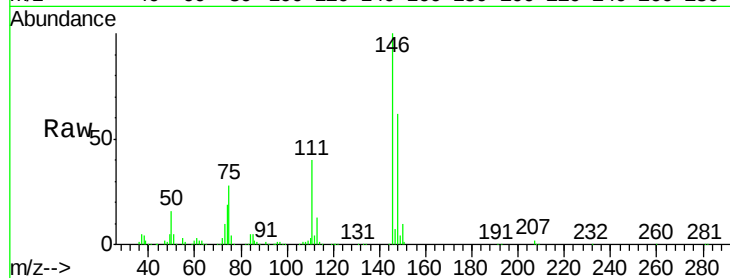
#91
 1,2-Dichlorobenzene
 Concen: 54.633 ug/l
 RT: 13.65 min Scan# 3693
 Delta R.T. -0.00 min
 Lab File: VN059695.D
 Acq: 14 Jan 2020 9:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	235030		
111	39.7		21.6	64.8
148	63.4		31.6	95.0

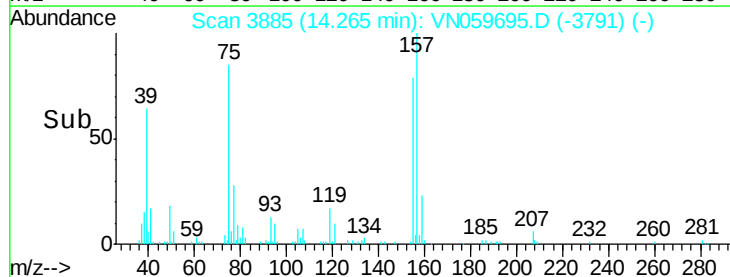
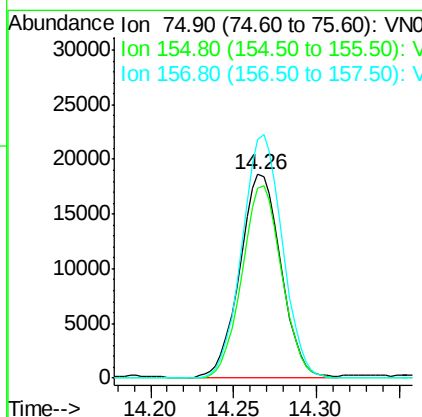
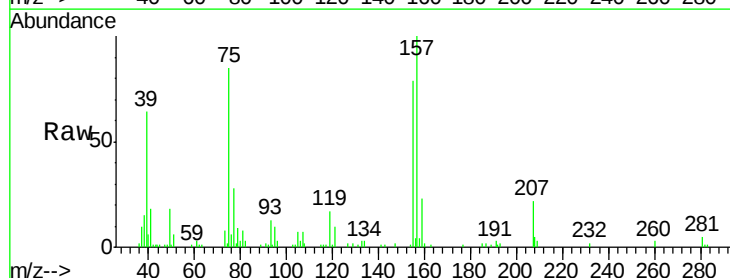
Manual Integrations
 APPROVED

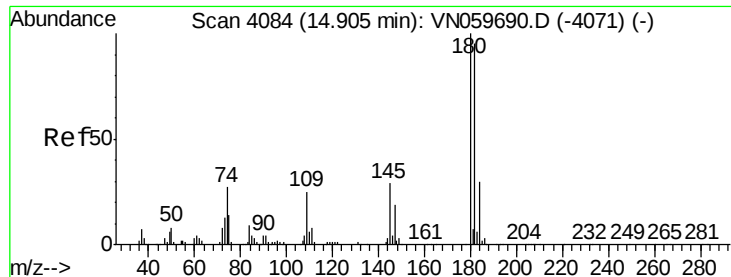
MMDadoda
 1/15/2020 10:55:05 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 52.769 ug/l
 RT: 14.26 min Scan# 3885
 Delta R.T. 0.00 min
 Lab File: VN059695.D
 Acq: 14 Jan 2020 9:27

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	32410		
155	90.2		37.0	110.9
157	116.0		48.4	145.2





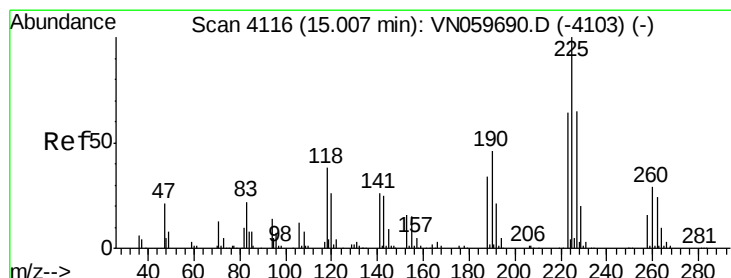
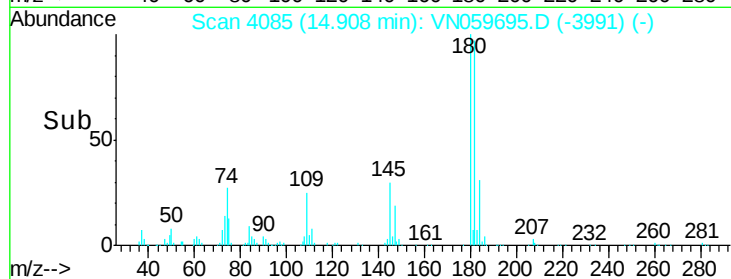
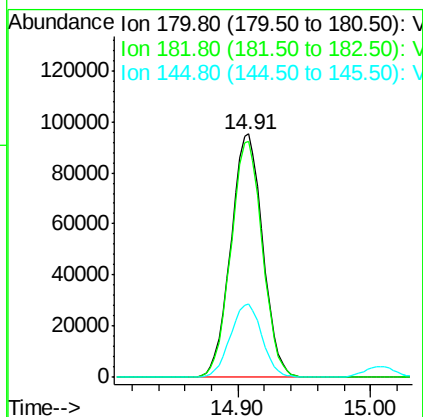
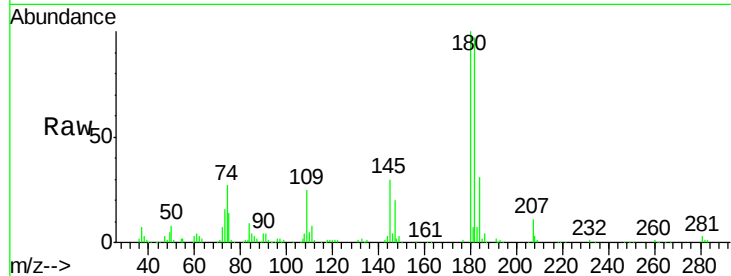
#93
 1,2,4-Trichlorobenzene
 Concen: 61.327 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN059695.D
 Acq: 14 Jan 2020 9:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	158529		
182	95.8	46.9	140.7	
145	30.2	15.0	45.1	

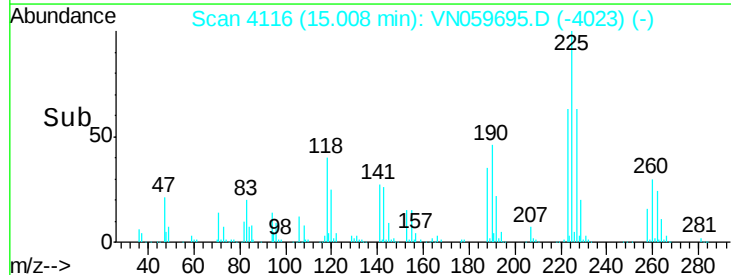
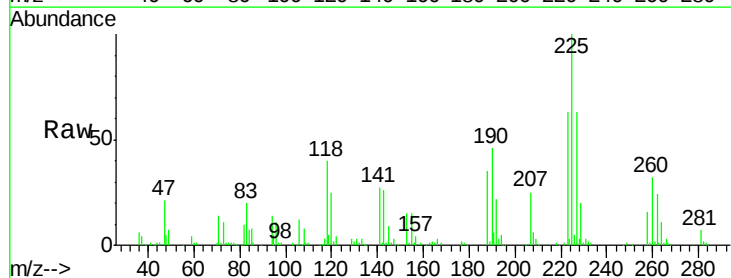
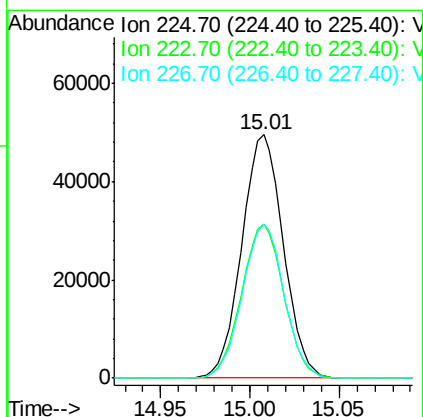
Manual Integrations
 APPROVED

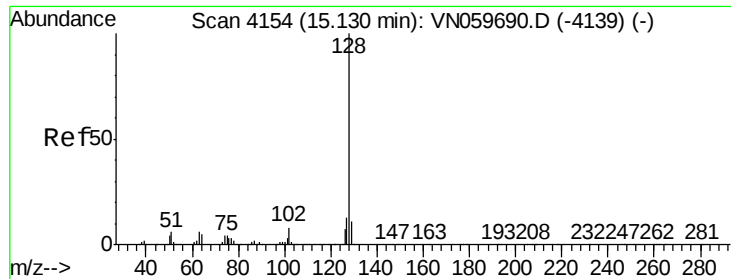
MMDadoda
 1/15/2020 10:55:05 AM



#94
 Hexachlorobutadiene
 Concen: 56.484 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN059695.D
 Acq: 14 Jan 2020 9:27

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	80460		
223	64.1	31.8	95.3	
227	63.5	32.1	96.5	





#95

Naphthalene

Concen: 58.171 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN059695.D

Acq: 14 Jan 2020 9:27

Instrument :

MSVOA_N

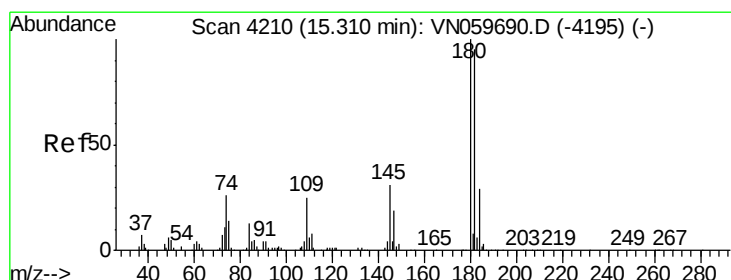
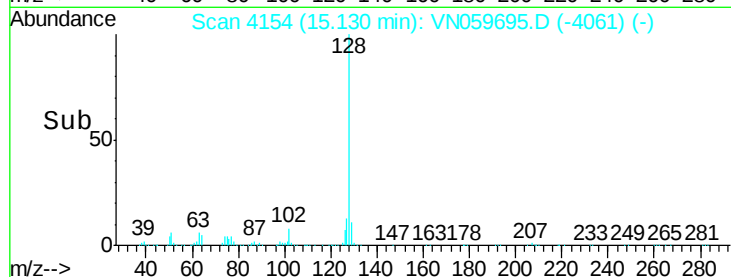
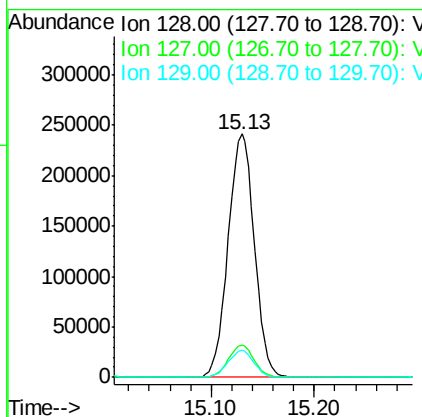
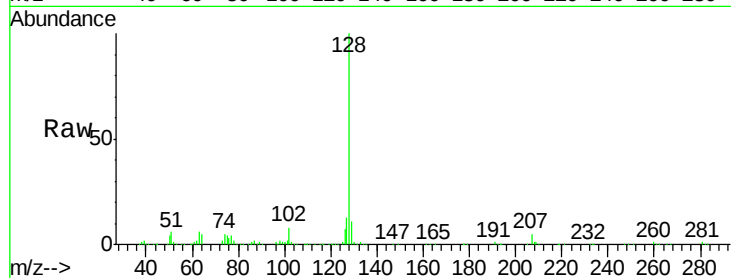
ClientSampleId :

VSTDCCC050

Tot Ion:	128	Resp:	427710
Ion Ratio	Lower	Upper	
128	100		
127	13.0	10.4	15.6
129	11.0	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
1/15/2020 10:55:05 AM



#96

1,2,3-Trichlorobenzene

Concen: 59.829 ug/l

RT: 15.31 min Scan# 4210

Delta R.T. 0.00 min

Lab File: VN059695.D

Acq: 14 Jan 2020 9:27

Tgt Ion:	180	Resp:	150537
Ion Ratio	Lower	Upper	
180	100		
182	96.3	47.4	142.3
145	32.0	16.3	48.9

