

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN020320\
 Data File : VN059963.D
 Acq On : 3 Feb 2020 9:57
 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
 2/4/2020 11:20:21 AM

Quant Time: Feb 03 11:37:01 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N011320W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jan 18 03:09:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	190174	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	295863	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	271922	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	135995	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	112505	53.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.54%	
35) Dibromofluoromethane	7.56	113	94324	53.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.92%	
50) Toluene-d8	10.08	98	354739	51.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.78%	
62) 4-Bromofluorobenzene	12.40	95	131895	53.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.04%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	94193	41.926	ug/l	98
3) Chloromethane	2.04	50	92538	42.502	ug/l	99
4) Vinyl Chloride	2.17	62	118936	47.744	ug/l	99
5) Bromomethane	2.54	94	67681	44.519	ug/l	96
6) Chloroethane	2.68	64	55764	47.315	ug/l	97
7) Trichlorofluoromethane	3.00	101	142086	47.493	ug/l	98
8) Diethyl Ether	3.38	74	50877	48.458	ug/l	85
9) 1,1,2-Trichlorotrifluoroet	3.74	101	83278	50.014	ug/l	93
10) Methyl Iodide	3.93	142	108841	40.440	ug/l	96
11) Tert butyl alcohol	4.73	59	75212	211.547	ug/l	98
12) 1,1-Dichloroethene	3.71	96	78856	45.322	ug/l	91
13) Acrolein	3.58	56	50296	199.846	ug/l	98
14) Allyl chloride	4.29	41	111706	47.632	ug/l #	84
15) Acrylonitrile	4.94	53	200905	247.726	ug/l	100
16) Acetone	3.78	43	262651	369.413	ug/l	98
17) Carbon Disulfide	4.03	76	195219	39.387	ug/l	100
18) Methyl Acetate	4.28	43	123404	50.024	ug/l	92
19) Methyl tert-butyl Ether	5.00	73	283056	49.897	ug/l	96
20) Methylene Chloride	4.52	84	89267	46.632	ug/l	91
21) trans-1,2-Dichloroethene	5.01	96	84784	45.842	ug/l	90
22) Diisopropyl ether	5.91	45	266876	50.216	ug/l	97
23) Vinyl Acetate	5.86	43	1021788	248.321	ug/l #	95
24) 1,1-Dichloroethane	5.82	63	158936	48.943	ug/l	98
25) 2-Butanone	6.80	43	316144	264.340	ug/l	93
26) 2,2-Dichloropropane	6.80	77	154753	49.570	ug/l	96
27) cis-1,2-Dichloroethene	6.80	96	102278	48.080	ug/l	90
28) Bromochloromethane	7.17	49	65054	50.122	ug/l #	79
29) Tetrahydrofuran	7.18	42	170030	229.779	ug/l	89
30) Chloroform	7.35	83	171255	50.898	ug/l	99
31) Cyclohexane	7.63	56	133361	42.679	ug/l	93
32) 1,1,1-Trichloroethane	7.55	97	151394	48.665	ug/l	96
36) 1,1-Dichloropropene	7.77	75	121674	47.225	ug/l	96
37) Ethyl Acetate	6.89	43	108762	45.008	ug/l	95
38) Carbon Tetrachloride	7.75	117	135122	48.212	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	145283	45.731	ug/l	92
40) Benzene	8.02	78	364718	47.465	ug/l	99
41) Methacrylonitrile	7.15	41	49827m	41.862	ug/l	
42) 1,2-Dichloroethane	8.10	62	131621	50.521	ug/l	97
43) Isopropyl Acetate	8.14	43	196928	47.378	ug/l	95
44) Trichloroethene	8.82	130	104341	49.742	ug/l	96
45) 1,2-Dichloropropane	9.10	63	95349	50.146	ug/l	99
46) Dibromomethane	9.19	93	66192	49.350	ug/l	93
47) Bromodichloromethane	9.38	83	138862	51.376	ug/l	97
48) Methyl methacrylate	9.18	41	86724	46.646	ug/l	90
49) 1,4-Dioxane	9.18	88	31176	915.994	ug/l	89
51) 4-Methyl-2-Pentanone	9.97	43	572416	238.234	ug/l	96
52) Toluene	10.14	92	235848	48.593	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	157036	52.033	ug/l	98
54) cis-1,3-Dichloropropene	9.82	75	163850	51.598	ug/l	94
55) 1,1,2-Trichloroethane	10.55	97	97780	50.866	ug/l	97
56) Ethyl methacrylate	10.42	69	139147	47.373	ug/l	93
57) 1,3-Dichloropropane	10.70	76	156466	51.269	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	242727	274.356	ug/l	93
59) 2-Hexanone	10.74	43	466624	263.612	ug/l	95
60) Dibromochloromethane	10.89	129	113653	51.919	ug/l	100
61) 1,2-Dibromoethane	10.99	107	100096	49.681	ug/l	100
64) Tetrachloroethene	10.62	164	106623	48.111	ug/l	94
65) Chlorobenzene	11.43	112	263180	49.241	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.50	131	104211	50.461	ug/l	98
67) Ethyl Benzene	11.50	91	473341	48.786	ug/l	98
68) m/p-Xylenes	11.62	106	355035	96.872	ug/l	96
69) o-Xylene	11.94	106	173551	48.369	ug/l	95
70) Styrene	11.96	104	291404	48.535	ug/l	97
71) Bromoform	12.12	173	86011	51.994	ug/l #	99
73) Isopropylbenzene	12.24	105	474567	47.581	ug/l	100
74) N-amyl acetate	12.06	43	173214	44.757	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.50	83	136110	47.074	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	123516m	53.969	ug/l	
77) Bromobenzene	12.52	156	120487	47.703	ug/l	83
78) n-propylbenzene	12.59	91	547248	48.885	ug/l	99
79) 2-Chlorotoluene	12.67	91	318599	47.840	ug/l	96
80) 1,3,5-Trimethylbenzene	12.73	105	396529	47.274	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.29	75	51227	48.068	ug/l	95
82) 4-Chlorotoluene	12.77	91	329897	49.388	ug/l	97
83) tert-Butylbenzene	12.99	119	344388	47.472	ug/l	96
84) 1,2,4-Trimethylbenzene	13.04	105	399864	48.186	ug/l	99
85) sec-Butylbenzene	13.17	105	463756	48.656	ug/l	99
86) p-Isopropyltoluene	13.28	119	425739	48.273	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	218786	49.867	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	218473	49.916	ug/l	98
89) n-Butylbenzene	13.61	91	381531	50.737	ug/l	98
90) Hexachloroethane	13.87	117	79951	48.453	ug/l	90
91) 1,2-Dichlorobenzene	13.65	146	210773	48.594	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.27	75	28380	45.543	ug/l	84

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	131828	50.581	ug/l	99
94) Hexachlorobutadiene	15.01	225	70603	49.159	ug/l	99
95) Naphthalene	15.13	128	346549	46.748	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	125784	49.583	ug/l	98

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

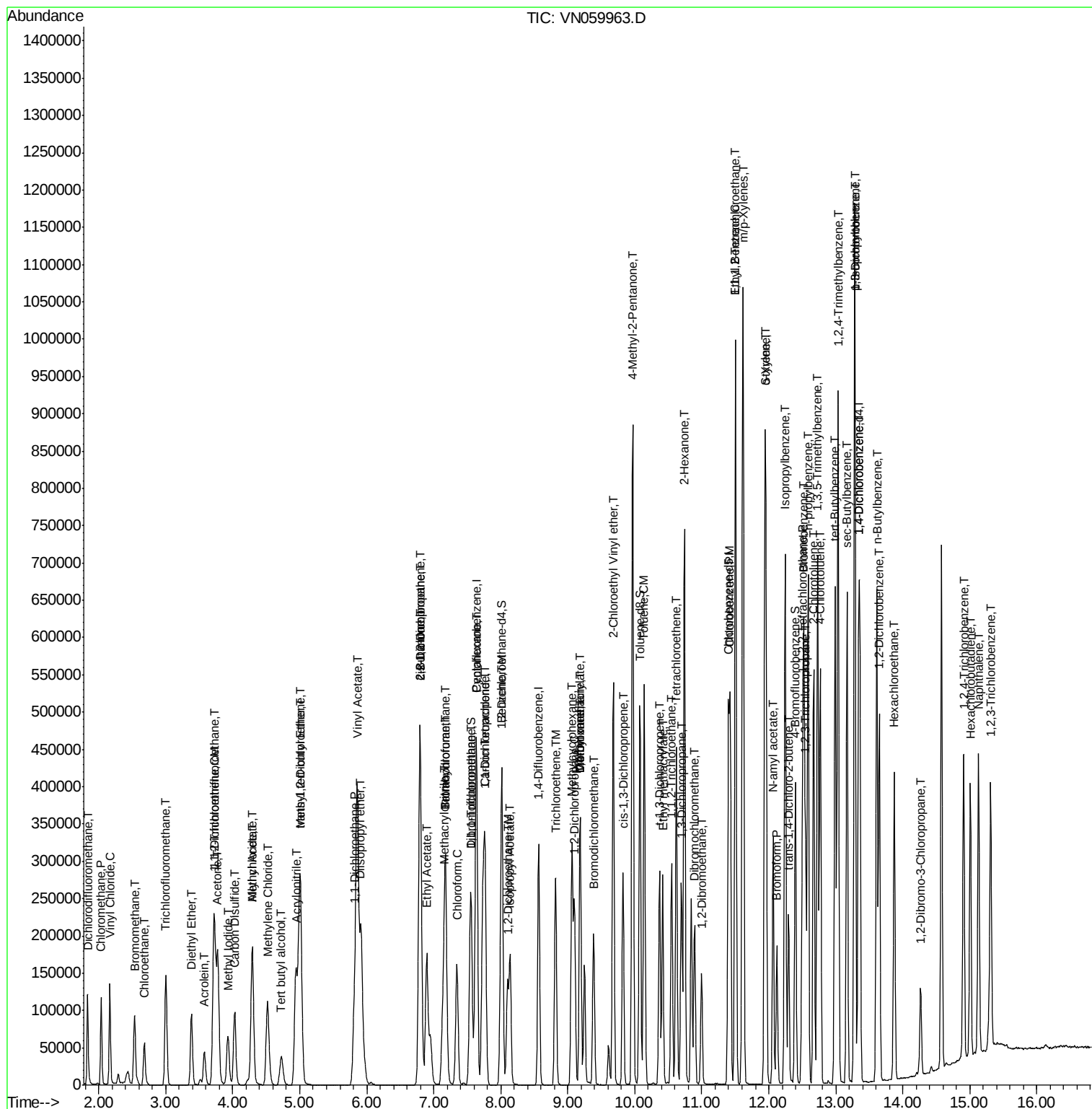
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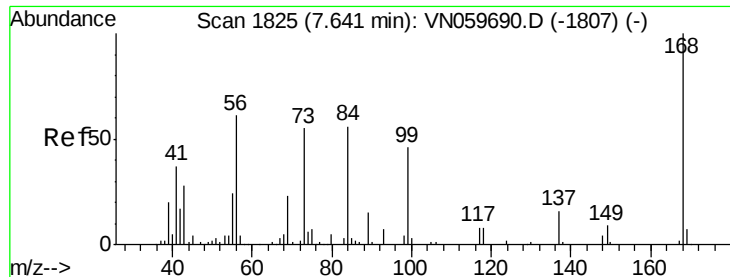
Instrument :
MSVOA_N
ClientSampleId :
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Manual Integrations
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. 0.00 min

Lab File: VN059963.D

Acq: 3 Feb 2020 9:57

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion:168 Resp: 190174

Ion Ratio Lower Upper

168 100

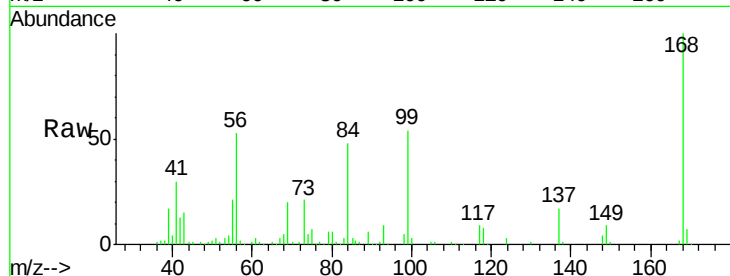
99 53.9 48.2 72.4

Manual Integrations

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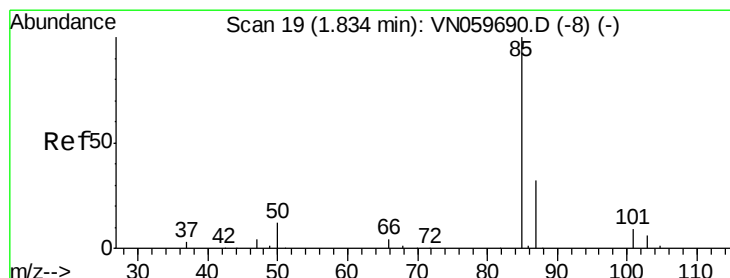
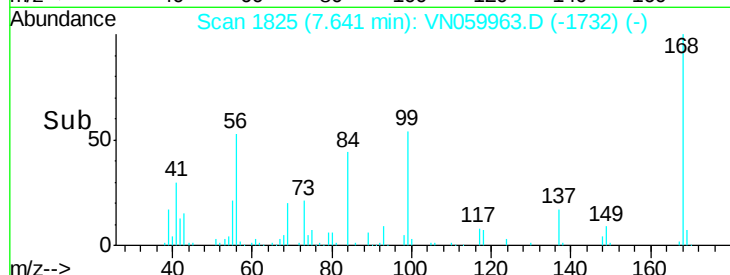
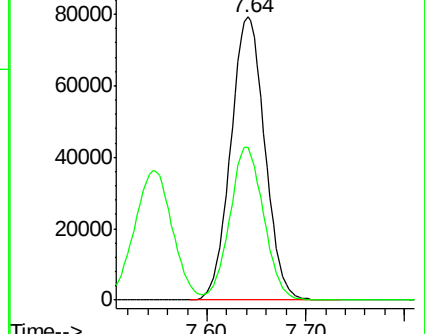
MMDadoda

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 41.926 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN059963.D

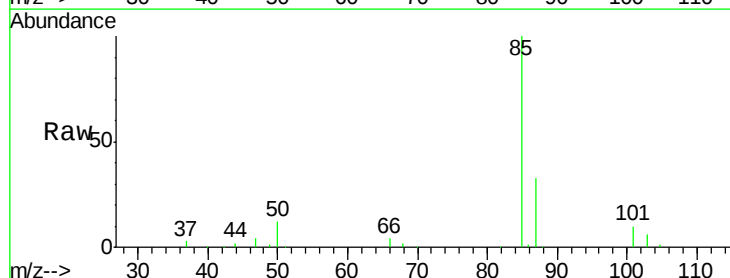
Acq: 3 Feb 2020 9:57

Tgt Ion: 85 Resp: 94193

Ion Ratio Lower Upper

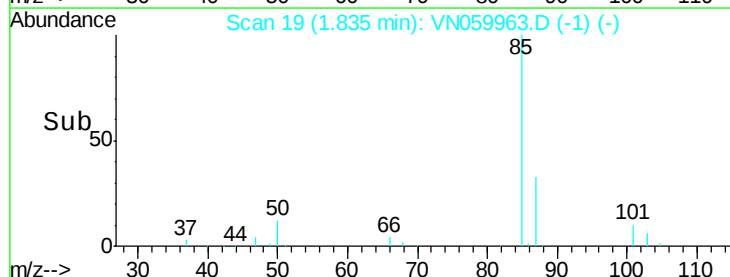
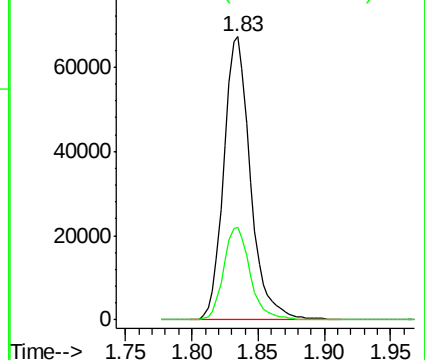
85 100

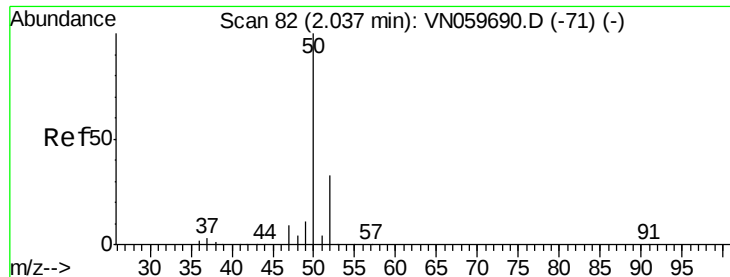
87 32.6 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 42.502 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN059963.D

Acq: 3 Feb 2020 9:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 92538

Ion Ratio Lower Upper

50 100

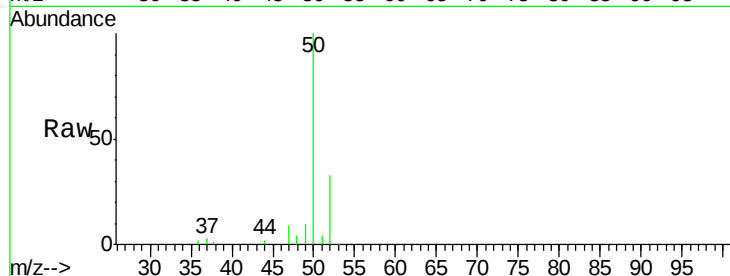
52 32.9 25.9 38.9

Manual Integrations

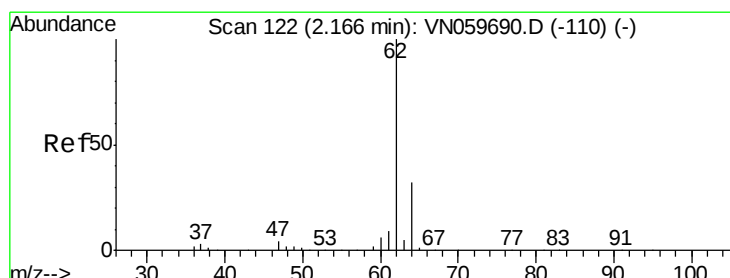
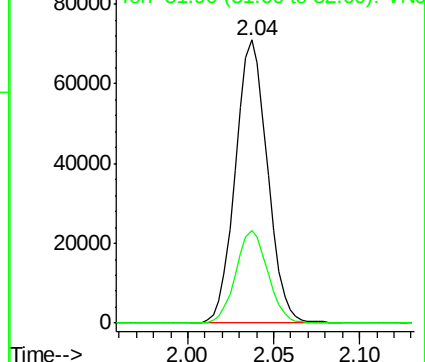
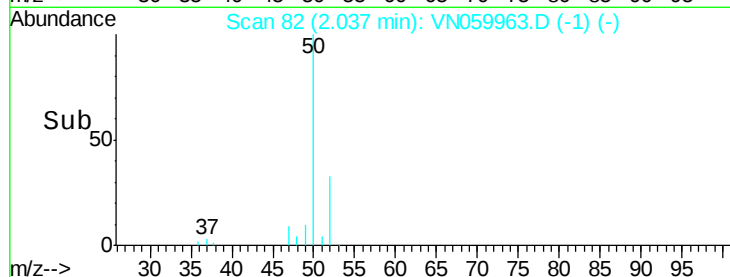
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Abundance Ion 49.90 (49.60 to 50.60): VN059963.D (-1) (-)



#4

Vinyl Chloride

Concen: 47.744 ug/l

RT: 2.17 min Scan# 122

Delta R.T. 0.00 min

Lab File: VN059963.D

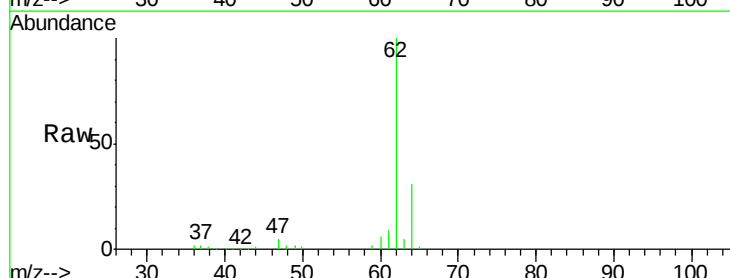
Acq: 3 Feb 2020 9:57

Tgt Ion: 62 Resp: 118936

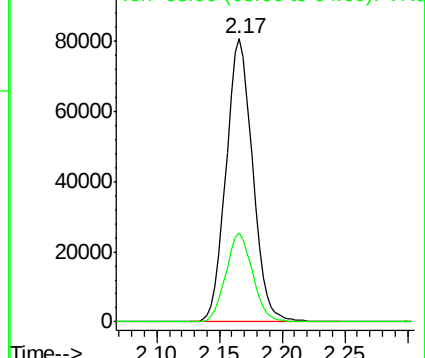
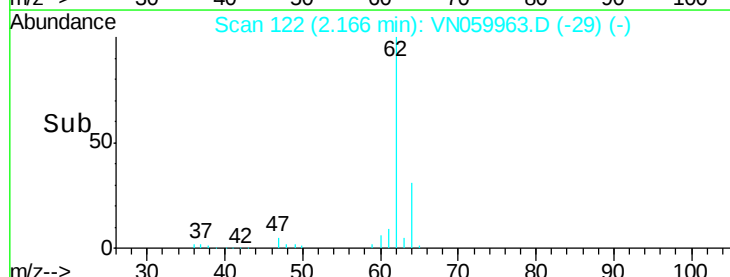
Ion Ratio Lower Upper

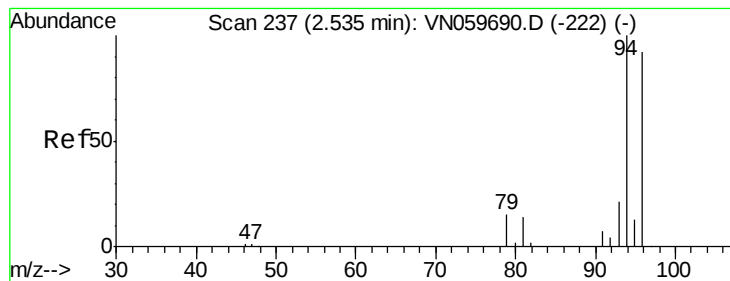
62 100

64 31.2 24.6 37.0



Abundance Ion 61.90 (61.60 to 62.60): VN059963.D (-29) (-)





#5

Bromomethane

Concen: 44.519 ug/l

RT: 2.54 min Scan# 237

Delta R.T. 0.00 min

Lab File: VN059963.D

Acq: 3 Feb 2020 9:57

Instrument :

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Tot Ion: 94 Resp: 67681

Ion Ratio Lower Upper

94 100

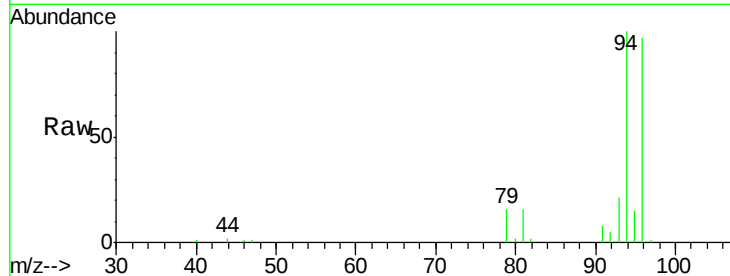
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Manual Integrations

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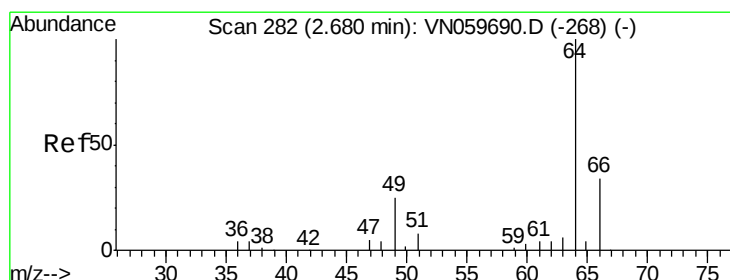
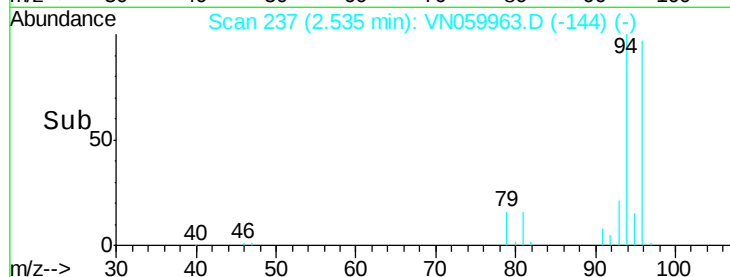
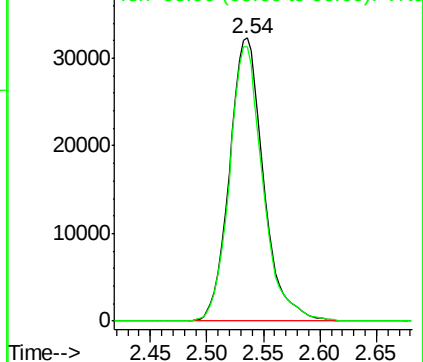
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 47.315 ug/l

RT: 2.68 min Scan# 282

Delta R.T. 0.00 min

Lab File: VN059963.D

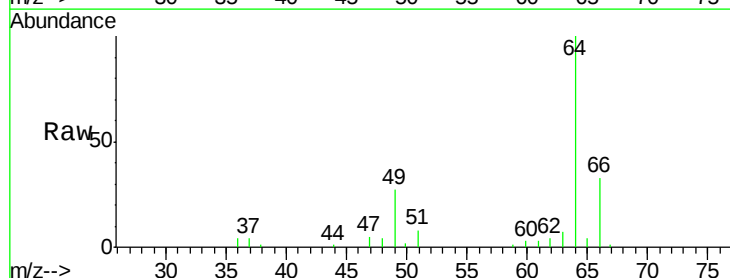
Acq: 3 Feb 2020 9:57

Tgt Ion: 64 Resp: 55764

Ion Ratio Lower Upper

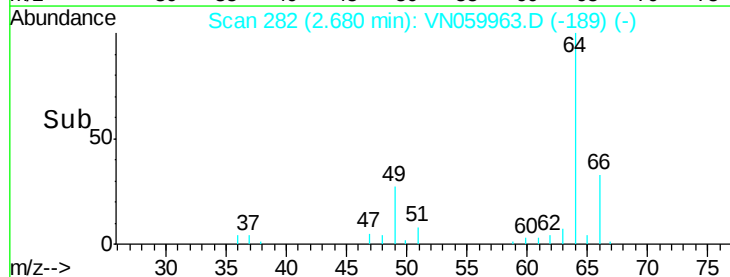
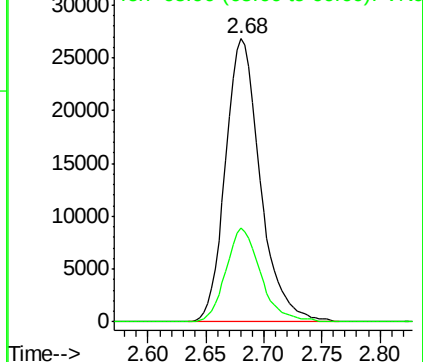
64 100

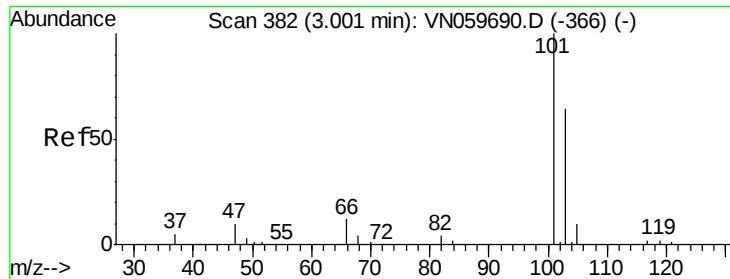
66 33.1 25.1 37.7



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

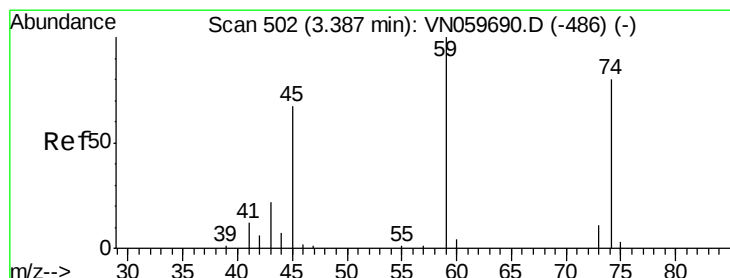
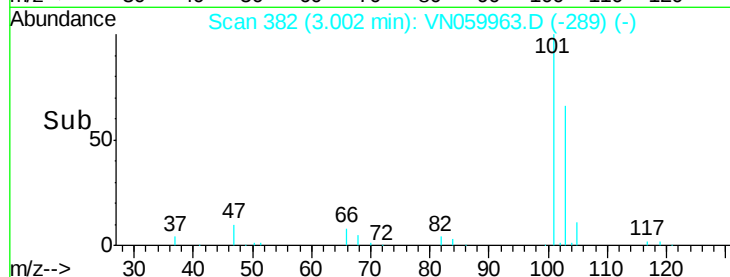
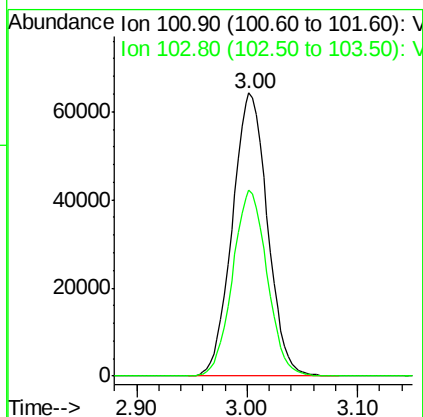
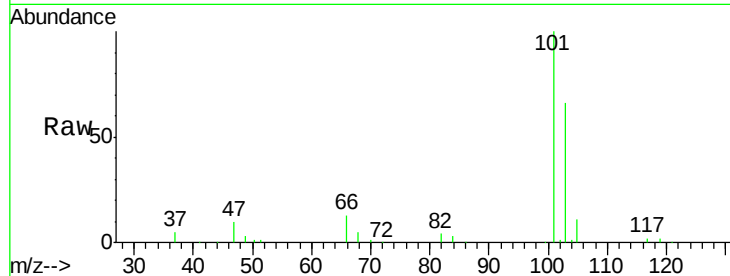
Trichlorofluoromethane
Concen: 47.493 ug/l
RT: 3.00 min Scan# 382
Delta R.T. 0.00 min
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ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.7	51.0	76.6

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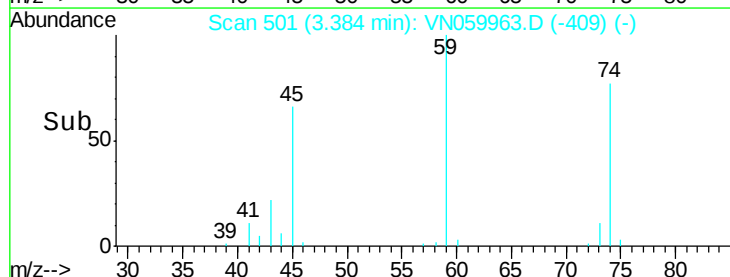
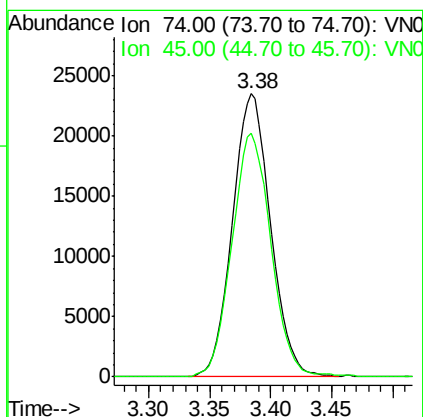
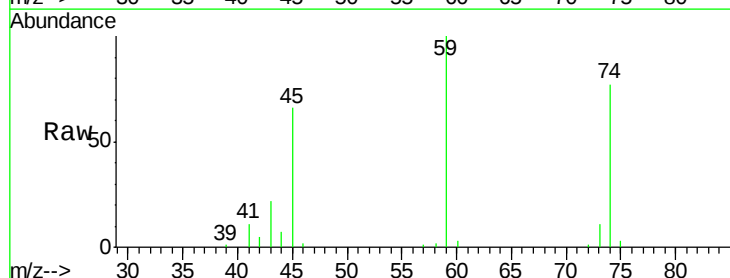
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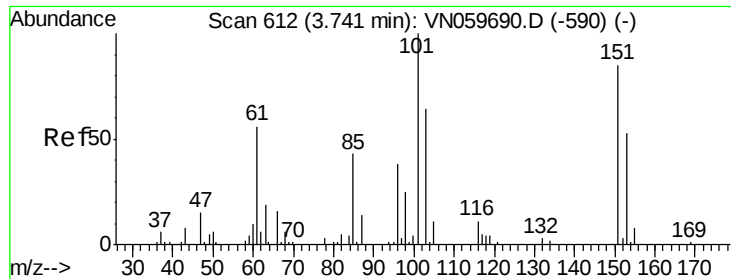


#8

Diethyl Ether
Concen: 48.458 ug/l
RT: 3.38 min Scan# 501
Delta R.T. -0.00 min
Lab File: VN059963.D
Acq: 3 Feb 2020 9:57

Tgt Ion	Ratio	Lower	Upper
74	100		
45	88.3	51.9	155.8





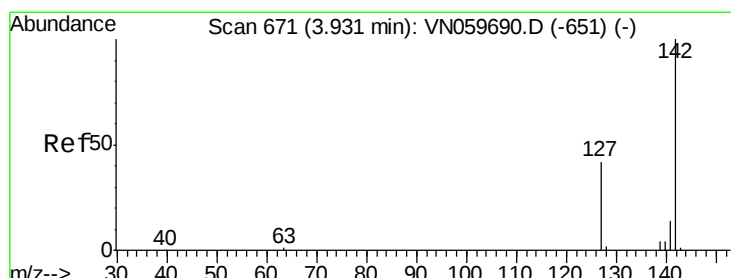
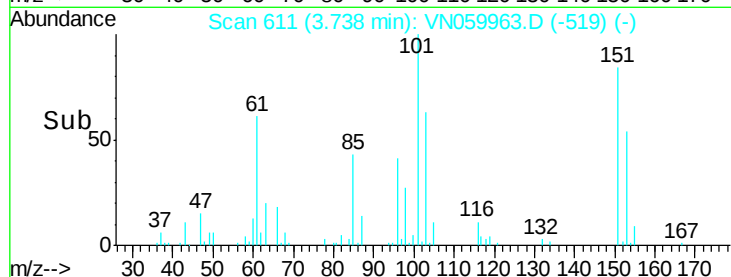
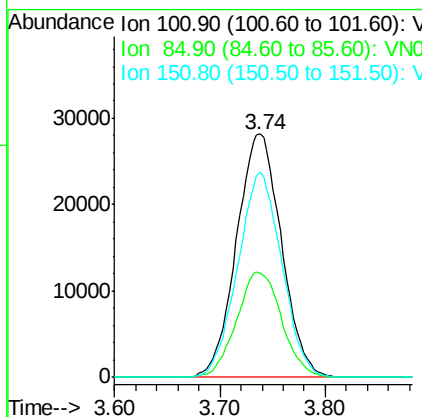
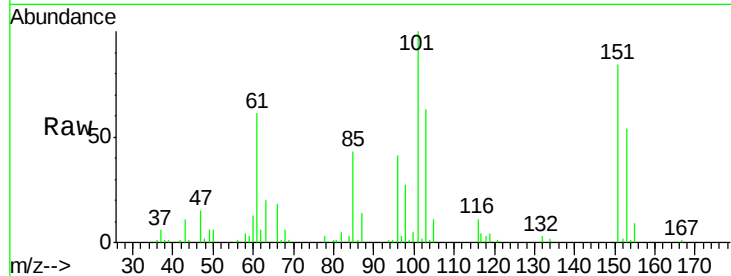
#9
1,1,2-Trichlorotrifluoroethane
Concen: 50.014 ug/l
RT: 3.74 min Scan# 611
Delta R.T. -0.00 min
Lab File: VN059963.D
Acq: 3 Feb 2020 9:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
101	100	83278		
85	43.5	36.6	54.8	
151	82.7	59.7	89.5	

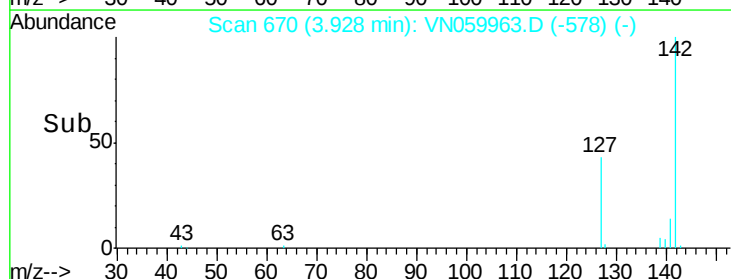
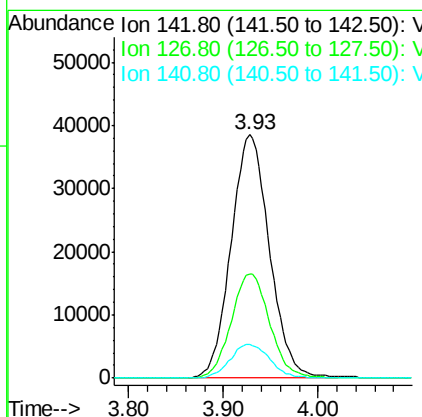
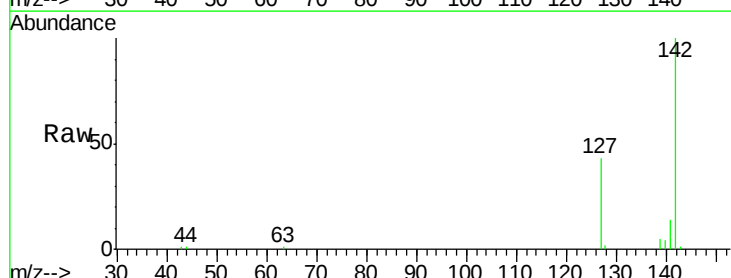
Manual Integrations
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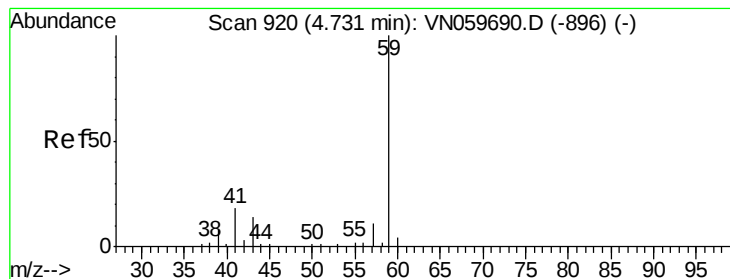
MMDadoda
2/4/2020 11:20:21 AM



#10
Methyl Iodide
Concen: 40.440 ug/l
RT: 3.93 min Scan# 670
Delta R.T. -0.00 min
Lab File: VN059963.D
Acq: 3 Feb 2020 9:57

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	108841		
127	42.9	36.7	55.1	
141	14.3	11.7	17.5	





#11

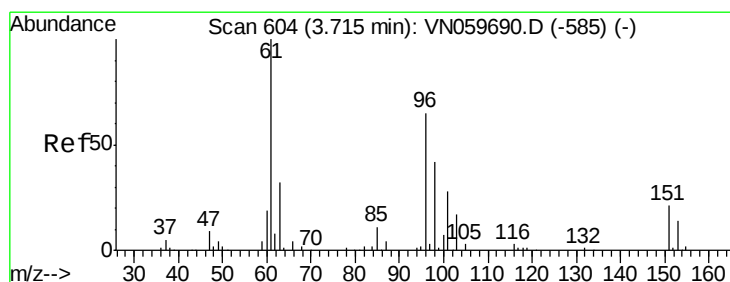
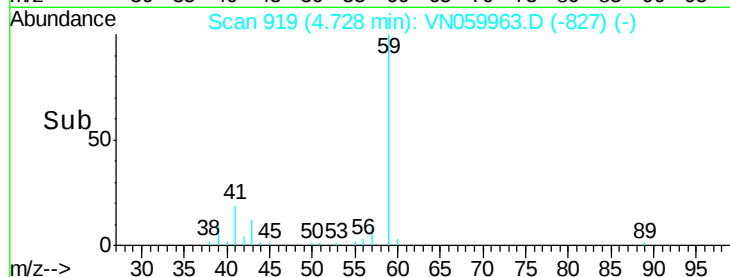
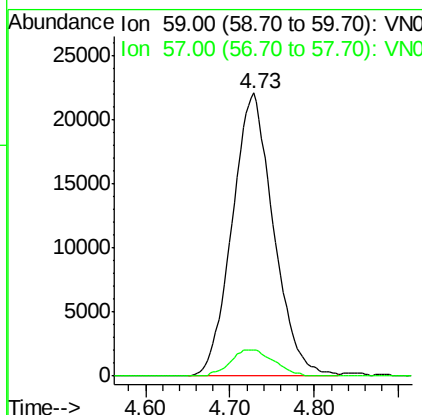
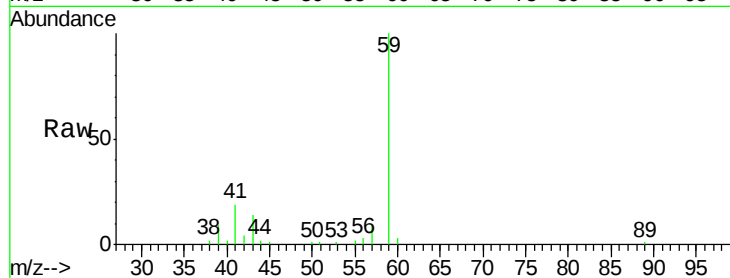
Tert butyl alcohol
Concen: 211.547 ug/l
RT: 4.73 min Scan# 919
Delta R.T. -0.00 min
Lab File: VN059963.D
Acq: 3 Feb 2020 9:57

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.8	8.6	12.8

Manual Integrations
APPROVED

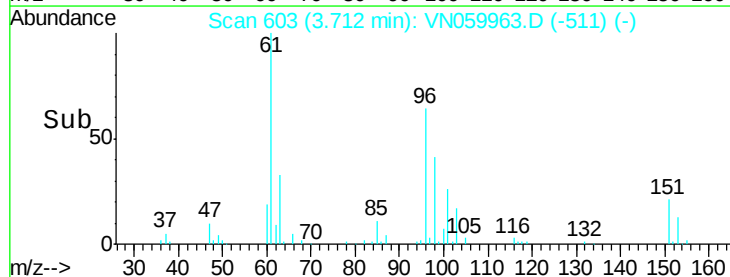
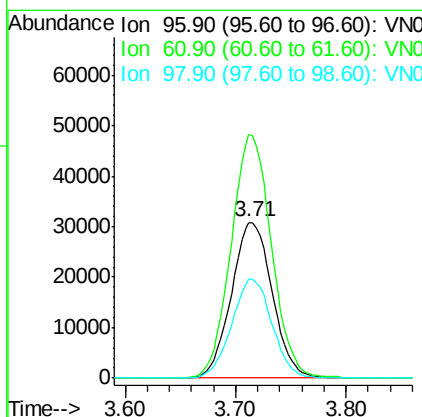
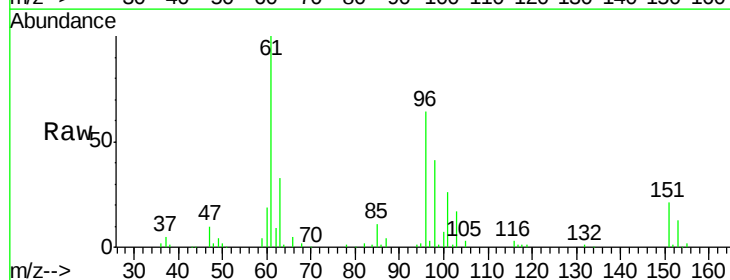
MMDadoda
2/4/2020 11:20:21 AM

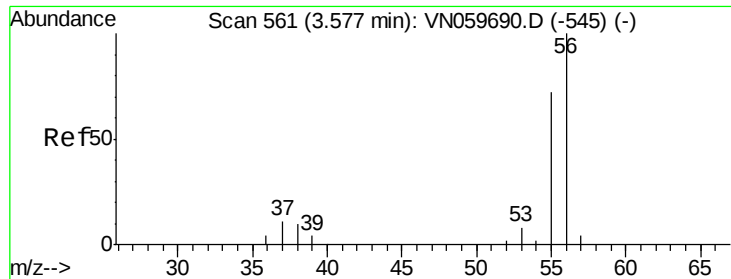


#12

1,1-Dichloroethene
Concen: 45.322 ug/l
RT: 3.71 min Scan# 603
Delta R.T. -0.00 min
Lab File: VN059963.D
Acq: 3 Feb 2020 9:57

Tgt Ion	Ratio	Lower	Upper
96	100		
61	155.6	137.5	206.3
98	63.3	50.2	75.4





#13

Acrolein

Concen: 199.846 ug/l

RT: 3.58 min Scan# 561

Delta R.T. 0.00 min

Lab File: VN059963.D

Acq: 3 Feb 2020 9:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 50296

Ion Ratio Lower Upper

56 100

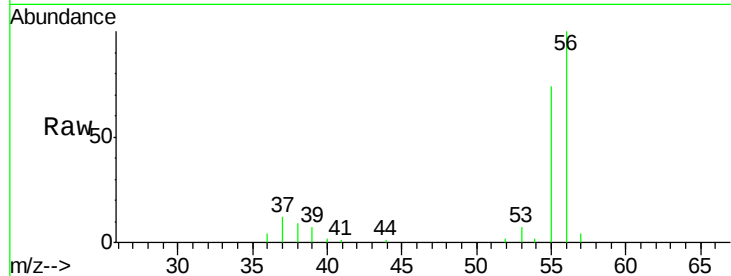
55 71.4 58.6 88.0

Manual Integrations

APPROVED

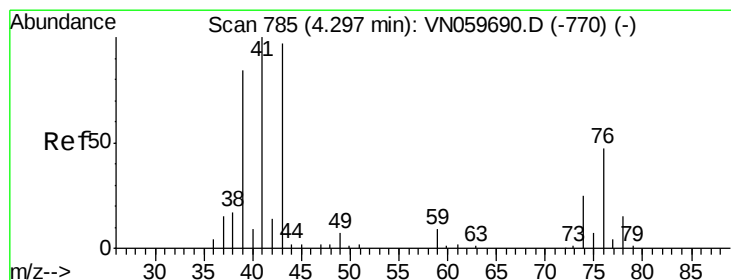
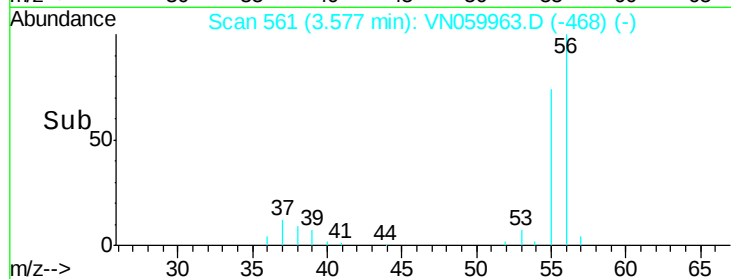
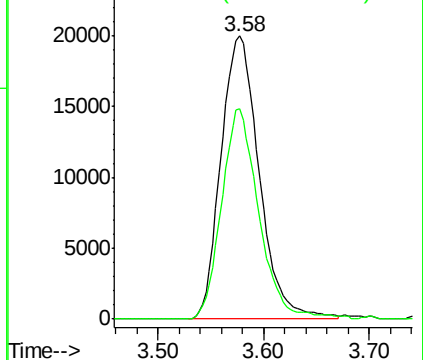
MMDadoda

2/4/2020 11:20:21 AM



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 47.632 ug/l

RT: 4.29 min Scan# 784

Delta R.T. -0.00 min

Lab File: VN059963.D

Acq: 3 Feb 2020 9:57

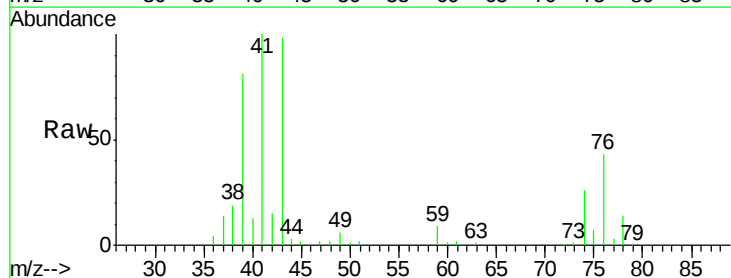
Tgt Ion: 41 Resp: 111706

Ion Ratio Lower Upper

41 100

39 83.8 57.8 86.8

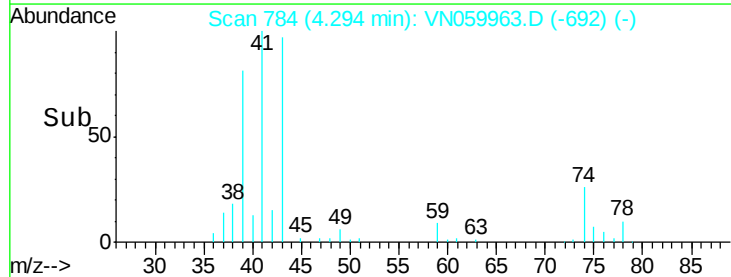
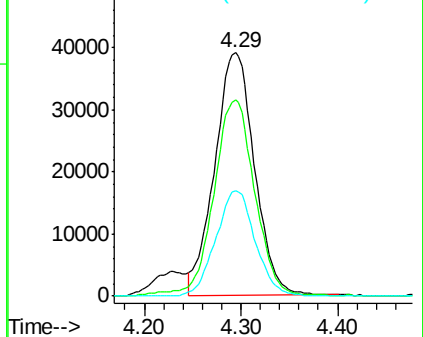
76 42.9 25.4 38.0#

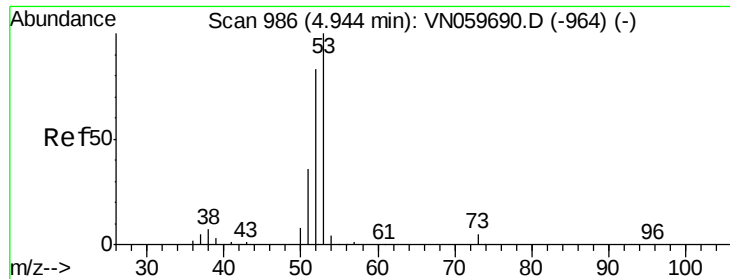


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 247.726 ug/l

RT: 4.94 min Scan# 985

Delta R.T. -0.00 min

Lab File: VN059963.D

Acq: 3 Feb 2020 9:57

Instrument :

MSVOA_N

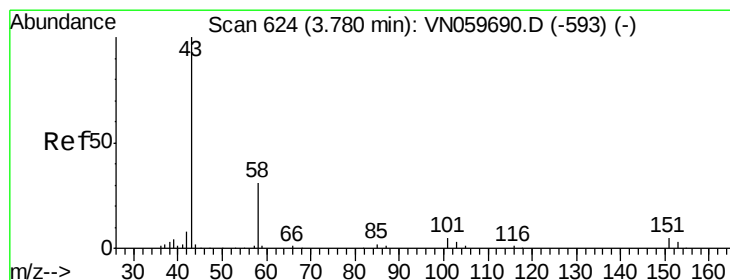
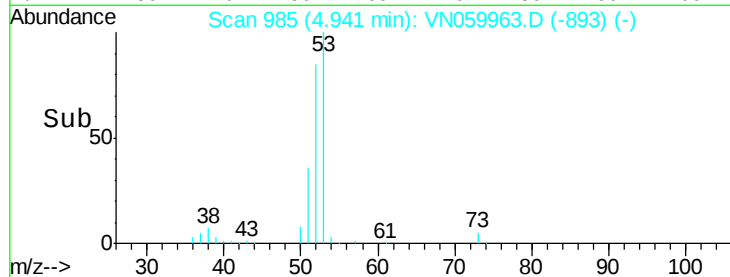
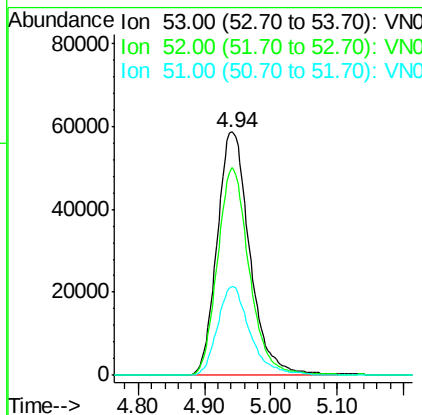
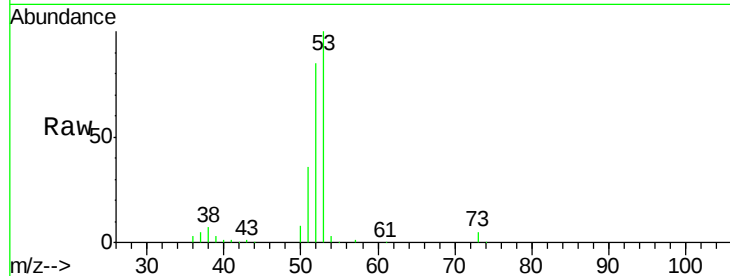
ClientSampleId :

VSTDCCC050

Tot Ion	53	Resp	200905
Ion	Ratio	Lower	Upper
53	100		
52	83.1	66.3	99.5
51	36.4	29.7	44.5

Manual Integrations
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#16

Acetone

Concen: 369.413 ug/l

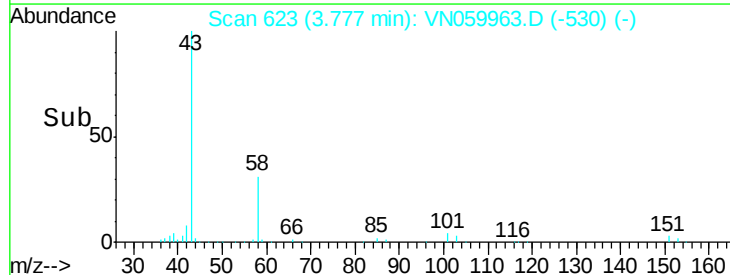
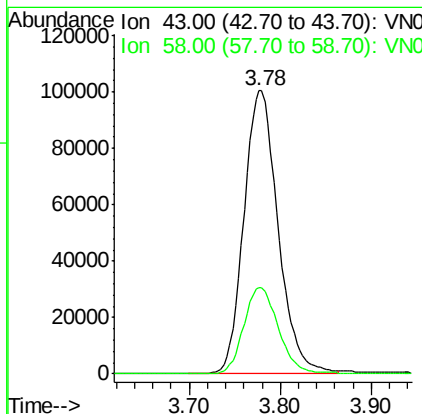
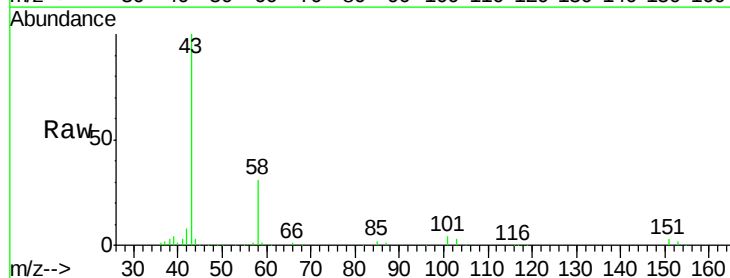
RT: 3.78 min Scan# 623

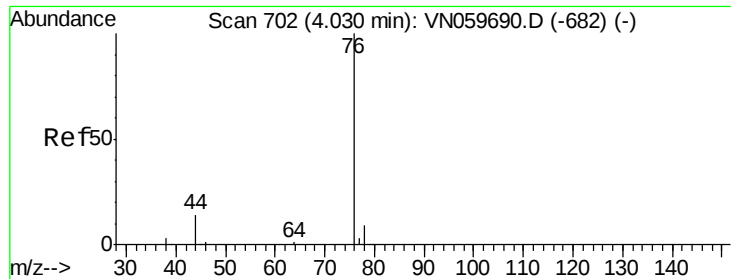
Delta R.T. -0.00 min

Lab File: VN059963.D

Acq: 3 Feb 2020 9:57

Tgt Ion	43	Resp	262651
Ion	Ratio	Lower	Upper
43	100		
58	30.7	23.6	35.4





#17

Carbon Disulfide

Concen: 39.387 ug/l

RT: 4.03 min Scan# 702

Delta R.T. 0.00 min

Lab File: VN059963.D

Acq: 3 Feb 2020 9:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 195219

Ion Ratio Lower Upper

76 100

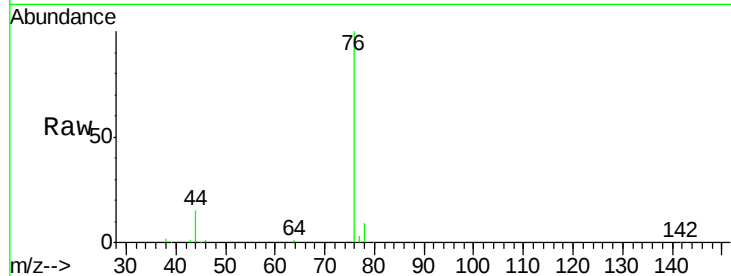
78 9.1 7.4 11.0

Manual Integrations

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MMDadoda

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Abundance Ion 75.90 (75.60 to 76.60): VNO

Ion 77.90 (77.60 to 78.60): VNO

4.03

80000

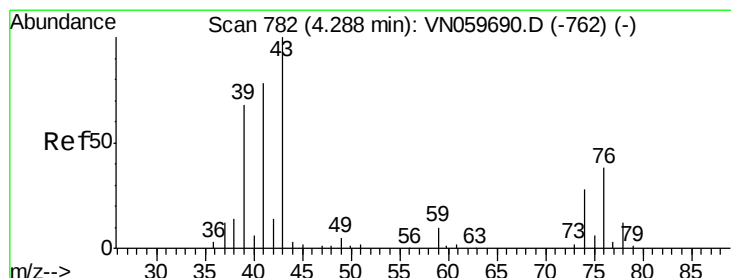
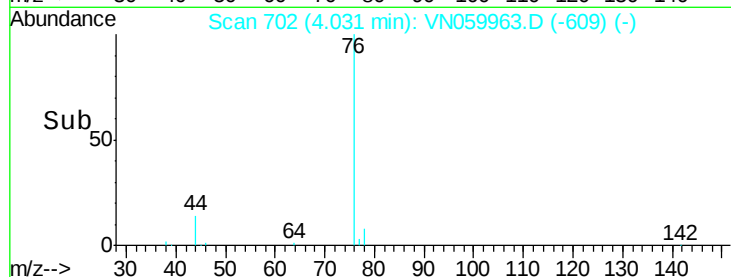
60000

40000

20000

0

Time-->



#18

Methyl Acetate

Concen: 50.024 ug/l

RT: 4.28 min Scan# 781

Delta R.T. -0.00 min

Lab File: VN059963.D

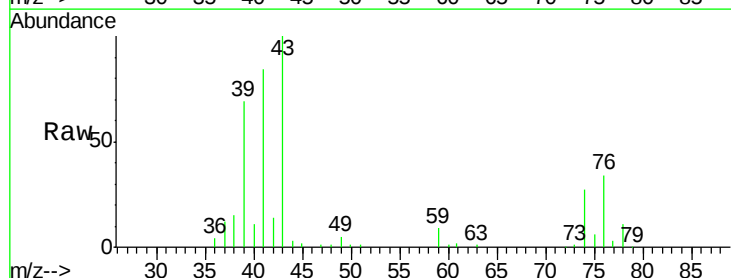
Acq: 3 Feb 2020 9:57

Tgt Ion: 43 Resp: 123404

Ion Ratio Lower Upper

43 100

74 25.7 17.5 26.3



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 74.00 (73.70 to 74.70): VNO

4.28

50000

40000

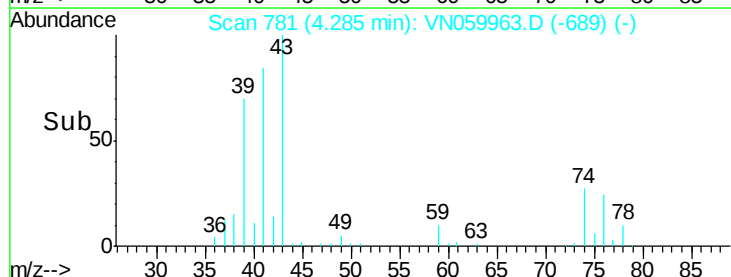
30000

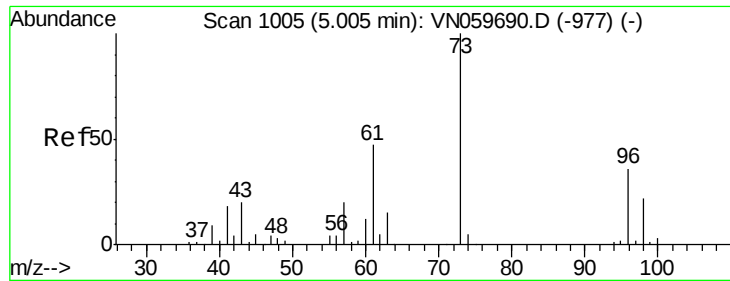
20000

10000

0

Time-->





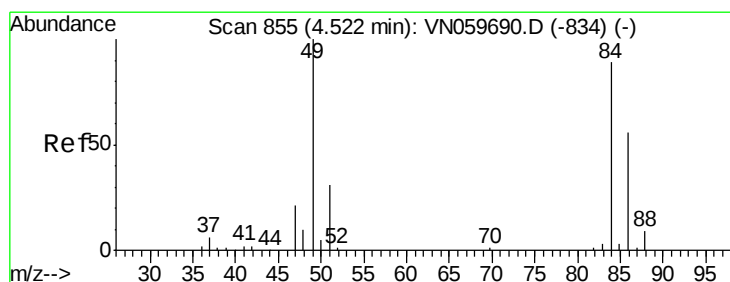
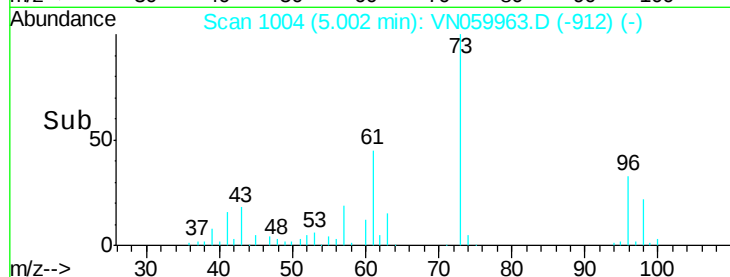
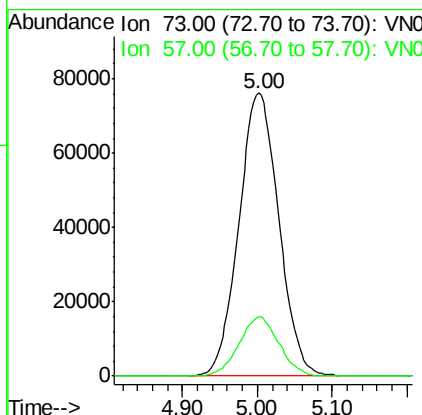
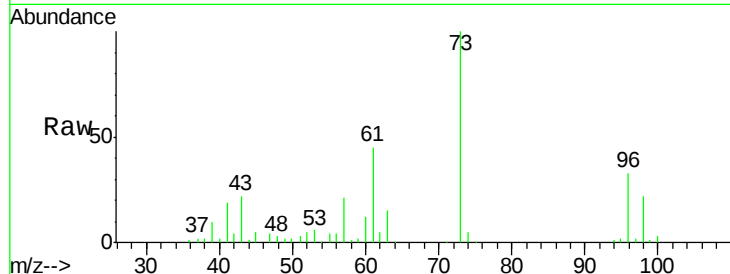
#19
Methvl tert-butvl Ether
Concen: 49.897 ug/l
RT: 5.00 min Scan# 1004
Delta R.T. -0.00 min
Lab File: VN059963.D
Acq: 3 Feb 2020 9:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 283056
Ion Ratio Lower Upper
73 100
57 21.1 18.6 27.8

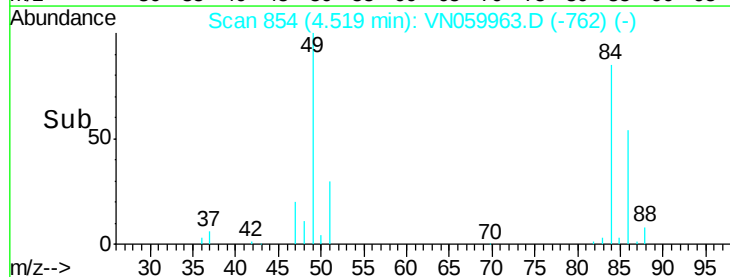
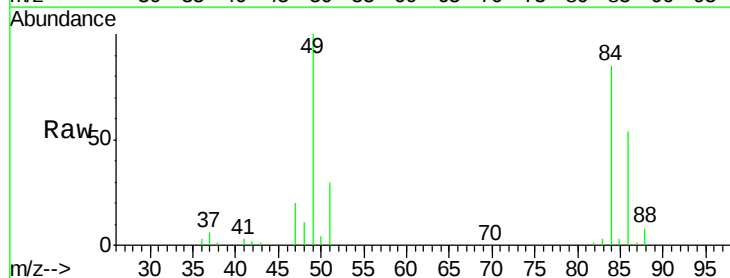
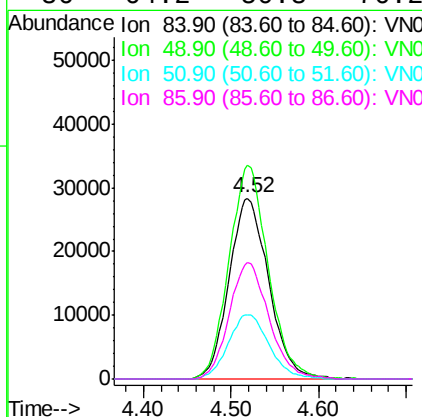
Manual Integrations
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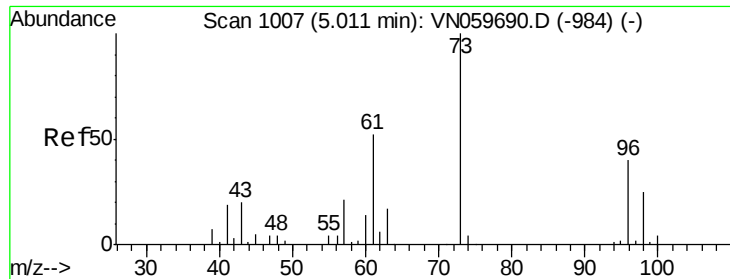
MMDadoda
2/4/2020 11:20:21 AM



#20
Methylene Chloride
Concen: 46.632 ug/l
RT: 4.52 min Scan# 854
Delta R.T. -0.00 min
Lab File: VN059963.D
Acq: 3 Feb 2020 9:57

Tgt Ion: 84 Resp: 89267
Ion Ratio Lower Upper
84 100
49 118.3 106.6 160.0
51 35.6 31.9 47.9
86 64.2 50.8 76.2





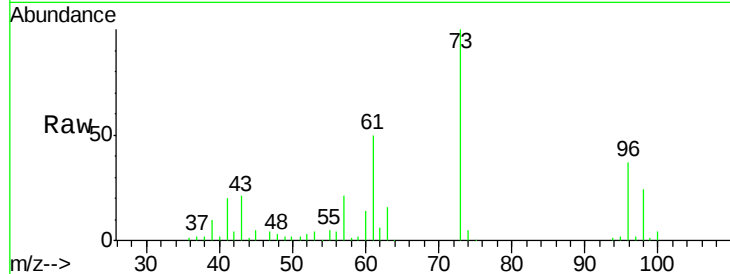
#21
trans-1,2-Dichloroethene
Concen: 45.842 ug/l
RT: 5.01 min Scan# 1007
Delta R.T. 0.00 min
Lab File: VN059963.D
Acq: 3 Feb 2020 9:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	133.2	120.4	180.6
98	63.8	50.6	75.8

Manual Integrations
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2/4/2020 11:20:21 AM

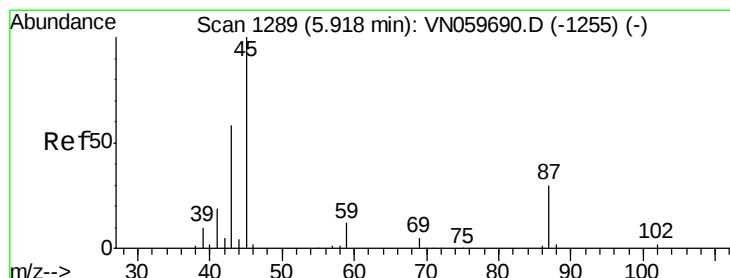
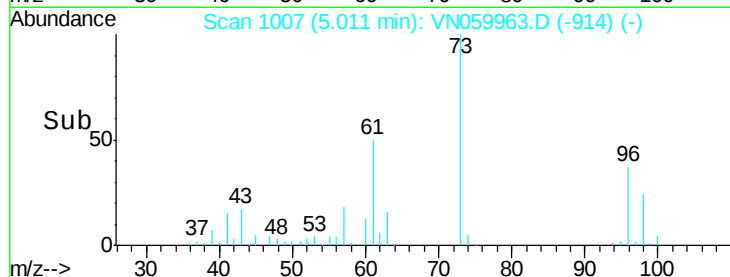
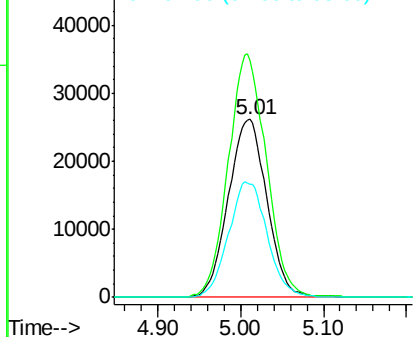


Abundance

Ion 95.90 (95.60 to 96.60): VNO

Ion 60.90 (60.60 to 61.60): VNO

Ion 97.90 (97.60 to 98.60): VNO



#22
Diisopropyl ether
Concen: 50.216 ug/l
RT: 5.91 min Scan# 1288
Delta R.T. -0.00 min
Lab File: VN059963.D
Acq: 3 Feb 2020 9:57

Tgt Ion	Ratio	Lower	Upper
45	100		
43	62.5	50.8	76.2
87	30.2	21.0	31.6
59	12.9	9.1	13.7

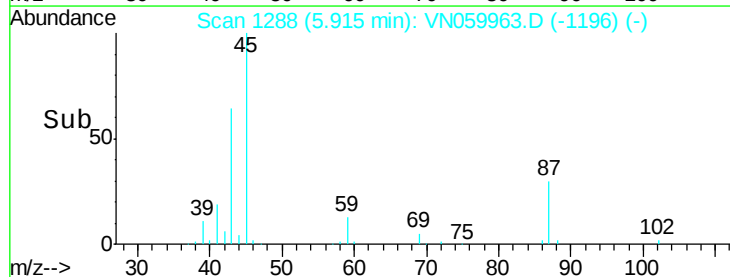
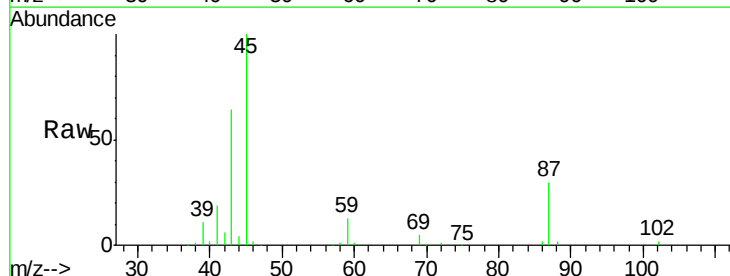
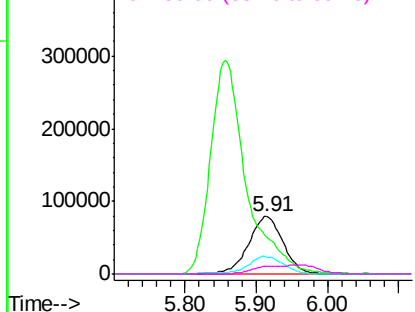
Abundance

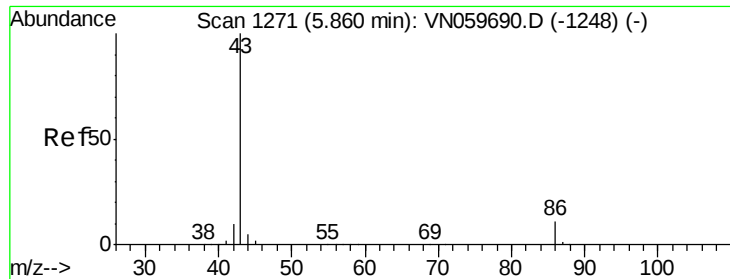
Ion 45.00 (44.70 to 45.70): VNO

Ion 43.00 (42.70 to 43.70): VNO

Ion 87.00 (86.70 to 87.70): VNO

Ion 59.00 (58.70 to 59.70): VNO





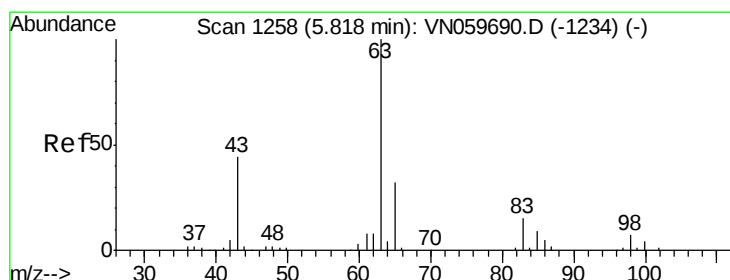
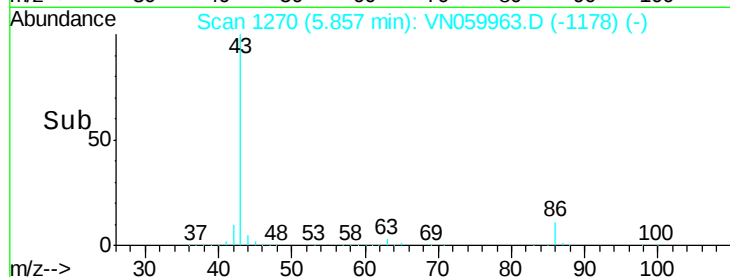
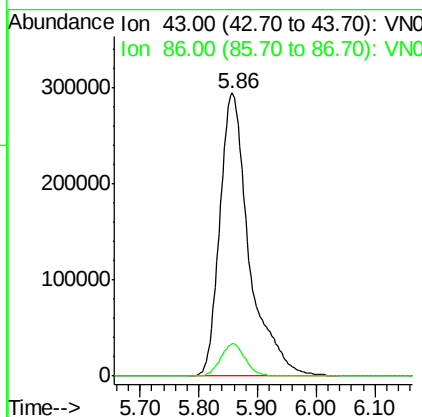
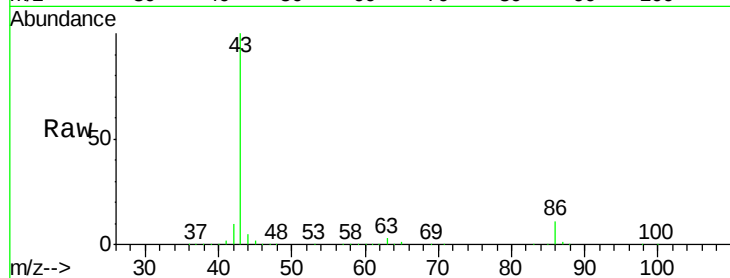
#23
 Vinyl Acetate
 Concen: 248.321 ug/l
 RT: 5.86 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VN059963.D
 Acq: 3 Feb 2020 9:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 43 Resp: 1021788
 Ion Ratio Lower Upper
 43 100
 86 11.5 7.6 11.4#

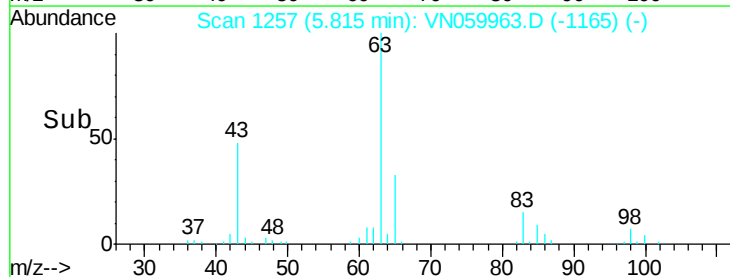
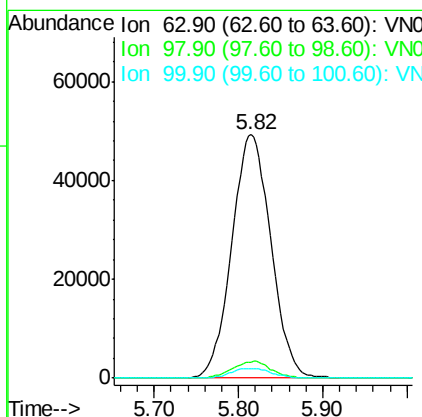
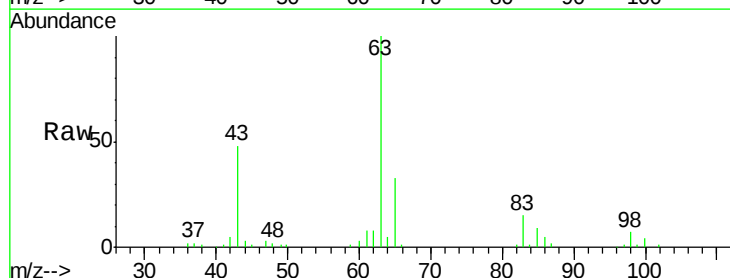
Manual Integrations
 APPROVED

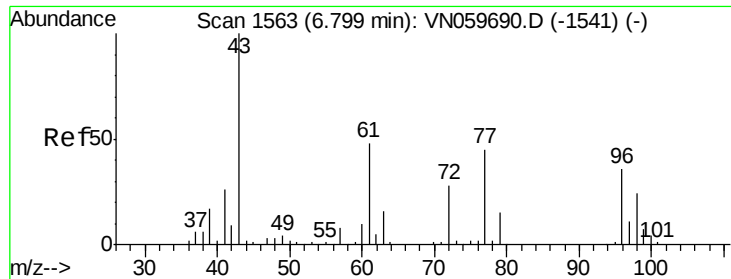
MMDadoda
 2/4/2020 11:20:21 AM



#24
 1,1-Dichloroethane
 Concen: 48.943 ug/l
 RT: 5.82 min Scan# 1257
 Delta R.T. -0.00 min
 Lab File: VN059963.D
 Acq: 3 Feb 2020 9:57

Tgt Ion: 63 Resp: 158936
 Ion Ratio Lower Upper
 63 100
 98 6.7 2.9 8.7
 100 4.0 2.0 6.0





#25

2-Butanone

Concen: 264.340 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.00 min

Lab File: VN059963.D

Acq: 3 Feb 2020 9:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 316144

Ion Ratio Lower Upper

43 100

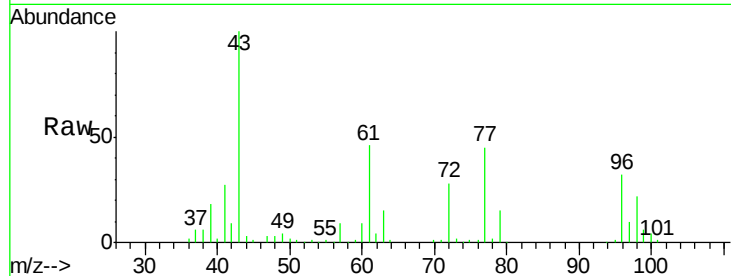
72 28.5 19.9 29.9

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Abundance Ion 43.00 (42.70 to 43.70): VN059963.D (-1470) (-)

Ion 72.00 (71.70 to 72.70): VN059963.D (-1470) (-)

6.80

120000

100000

80000

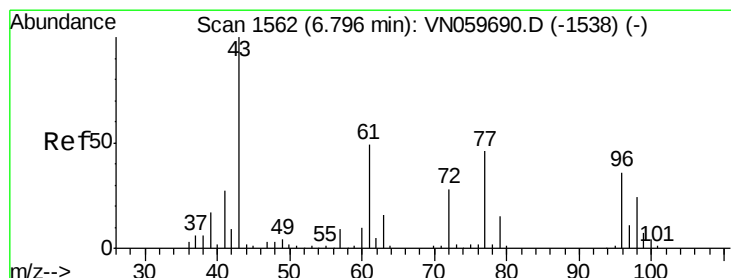
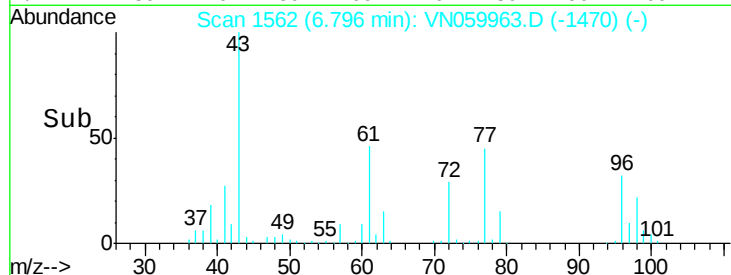
60000

40000

20000

0

Time-->



#26

2,2-Dichloropropane

Concen: 49.570 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. 0.00 min

Lab File: VN059963.D

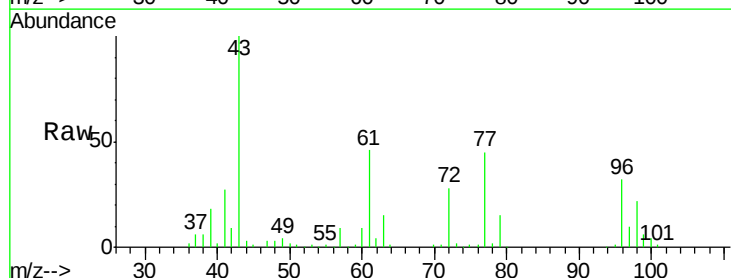
Acq: 3 Feb 2020 9:57

Tgt Ion: 77 Resp: 154753

Ion Ratio Lower Upper

77 100

97 23.0 10.7 31.9



Abundance Ion 76.90 (76.60 to 77.60): VN059963.D (-1469) (-)

Ion 96.90 (96.60 to 97.60): VN059963.D (-1469) (-)

6.80

50000

40000

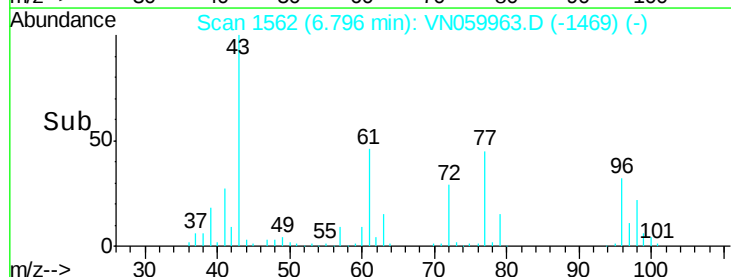
30000

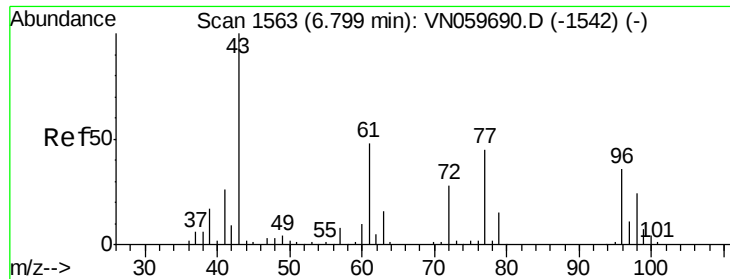
20000

10000

0

Time-->





#27

cis-1,2-Dichloroethene

Concen: 48.080 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VN059963.D

Acq: 3 Feb 2020 9:57

Instrument :

MSVOA_N

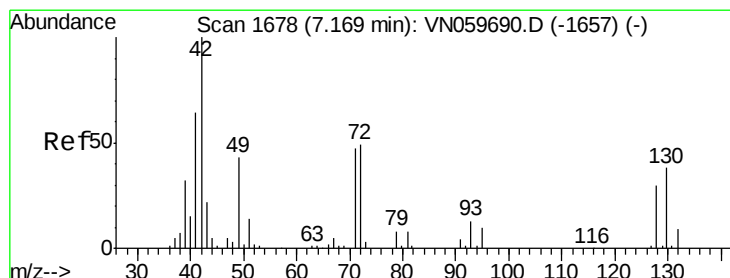
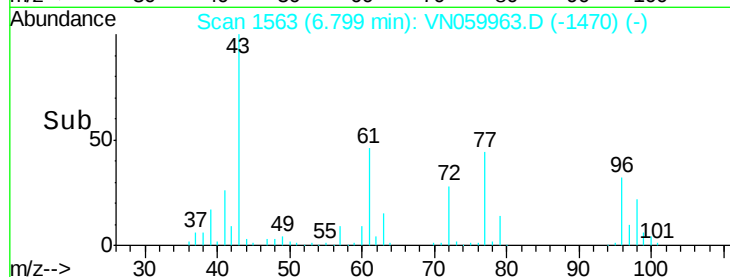
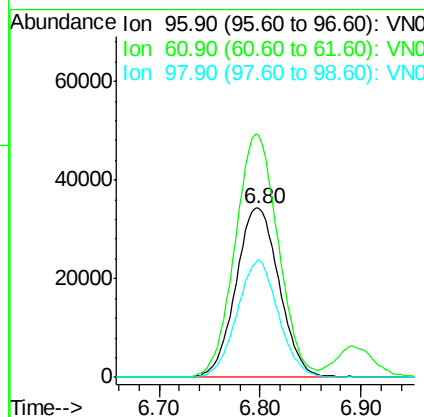
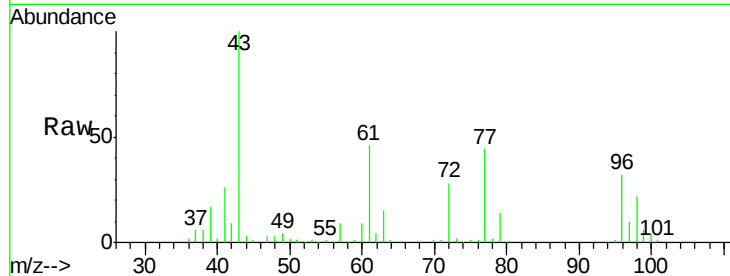
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	102278
Ion Ratio	Lower	Upper	
96	100		
61	142.9	0.0	317.6
98	65.9	0.0	127.0

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#28

Bromochloromethane

Concen: 50.122 ug/l

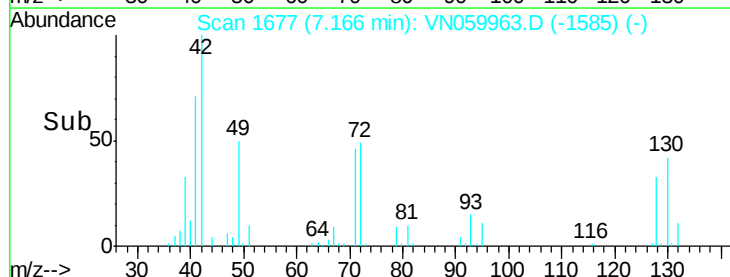
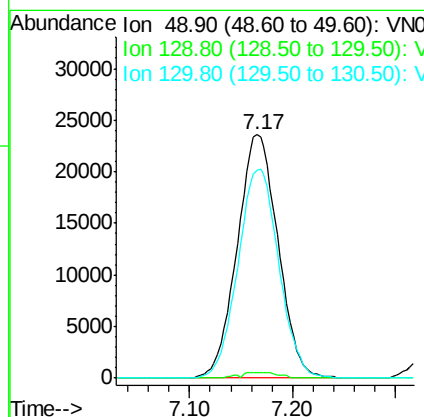
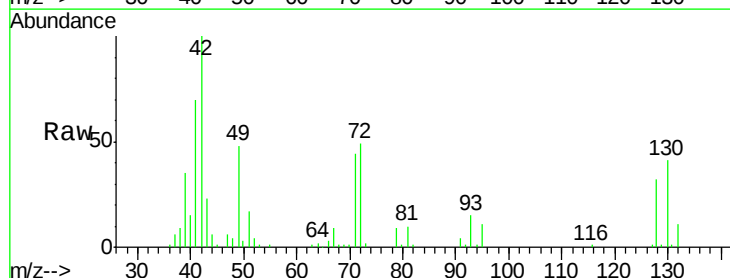
RT: 7.17 min Scan# 1677

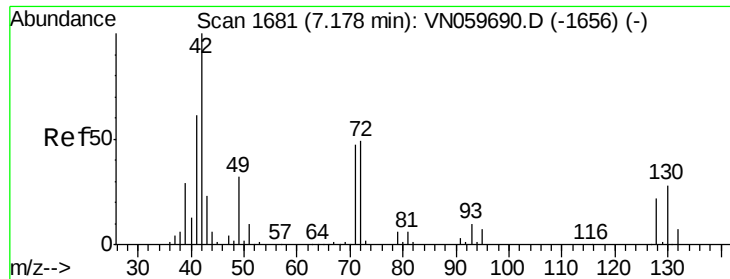
Delta R.T. -0.00 min

Lab File: VN059963.D

Acq: 3 Feb 2020 9:57

Tgt Ion:	49	Resp:	65054
Ion Ratio	Lower	Upper	
49	100		
129	1.8	0.0	3.4
130	85.9	54.7	82.1#





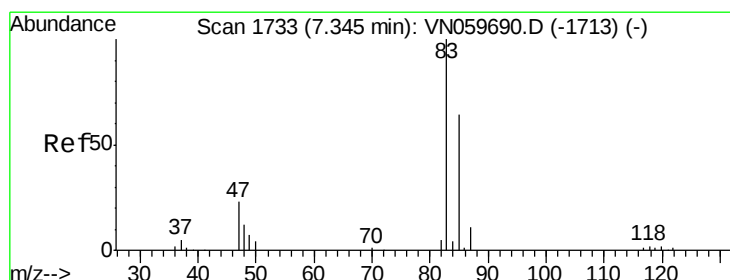
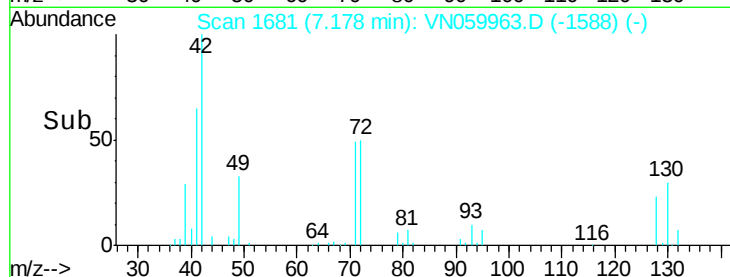
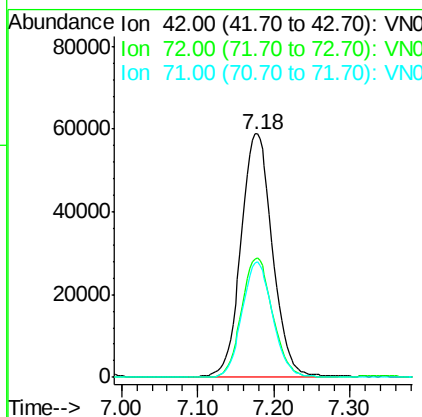
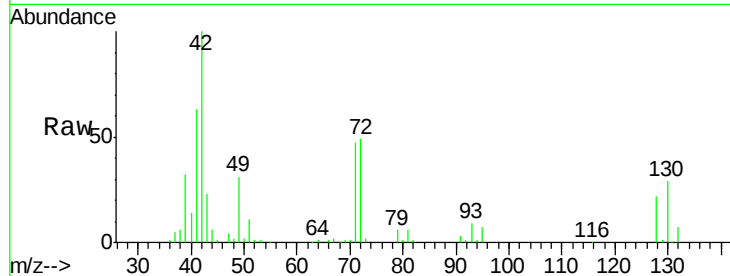
#29
Tetrahydrofuran
Concen: 229.779 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VN059963.D
Acq: 3 Feb 2020 9:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	48.1	33.1	49.7
71	45.7	31.4	47.0

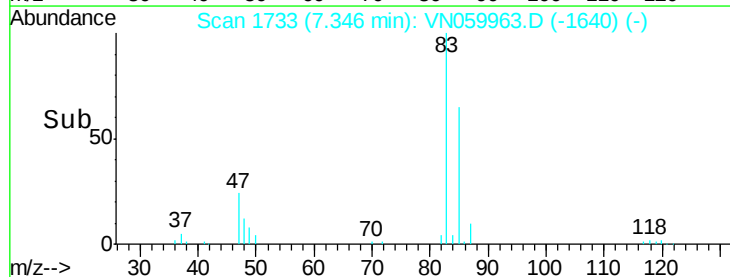
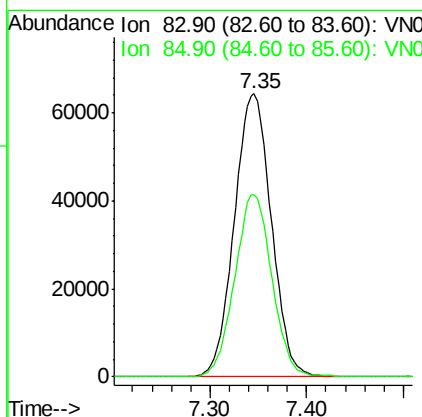
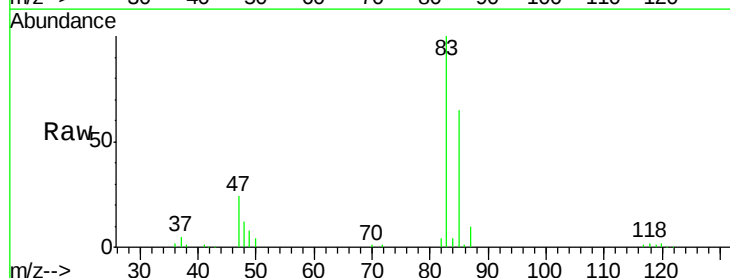
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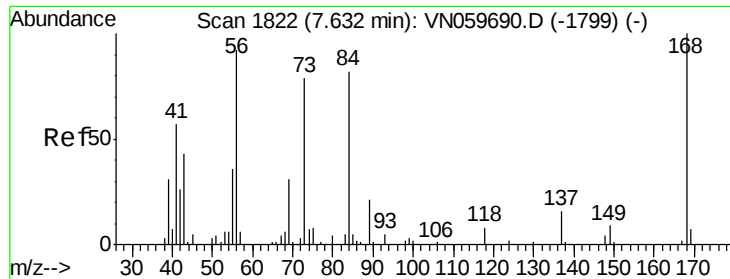
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#30
Chloroform
Concen: 50.898 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. 0.00 min
Lab File: VN059963.D
Acq: 3 Feb 2020 9:57

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.6	52.4	78.6





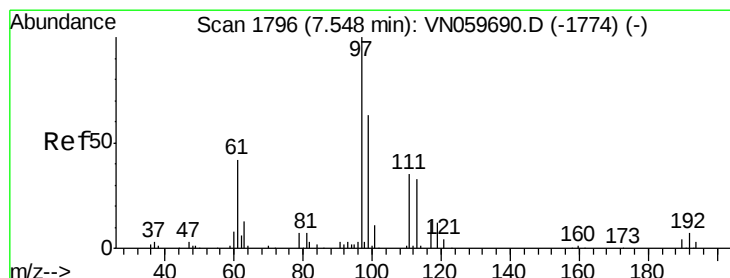
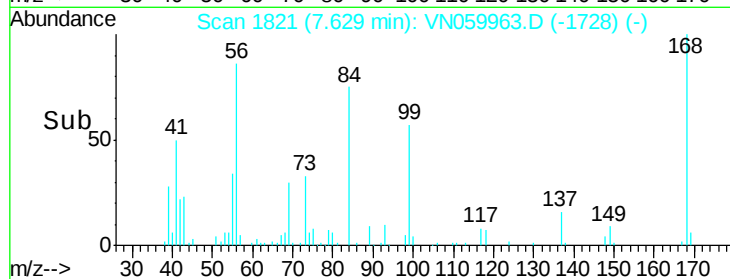
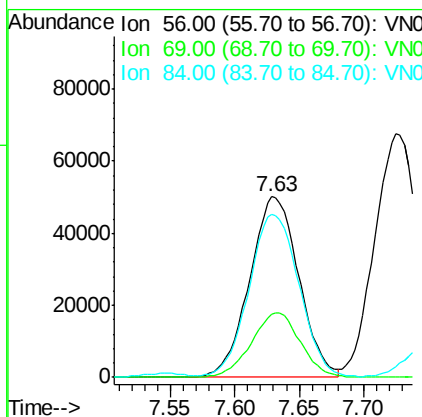
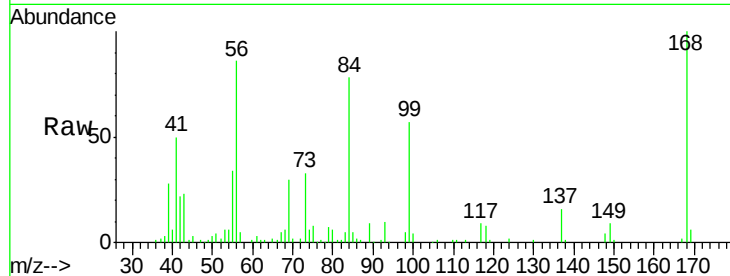
#31
Cyclohexane
Concen: 42.679 ug/l
RT: 7.63 min Scan# 1821
Delta R.T. -0.00 min
Lab File: VN059963.D
Acq: 3 Feb 2020 9:57

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	34.9	26.5	39.7
84	89.2	65.3	97.9

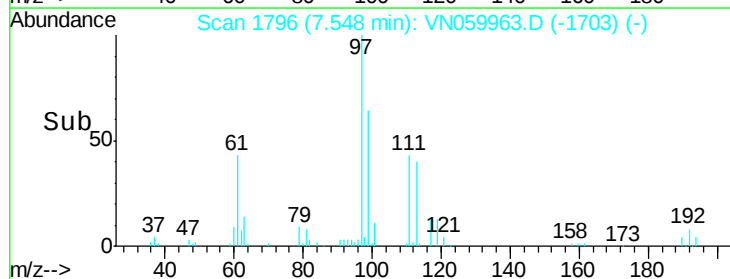
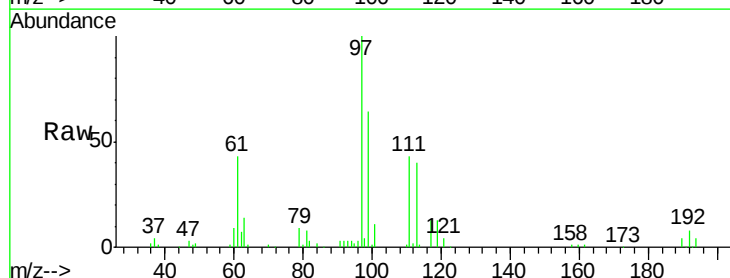
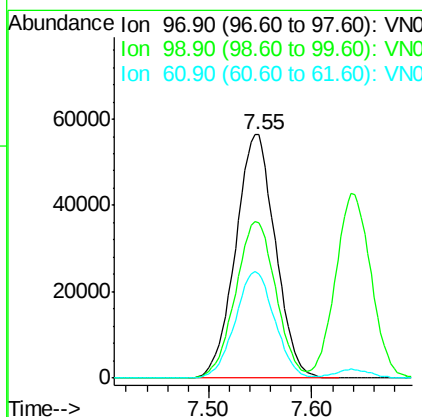
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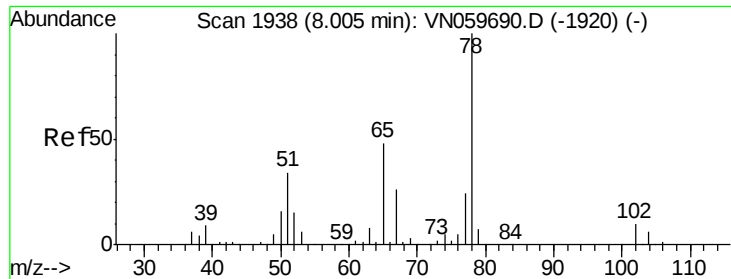
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#32
1,1,1-Trichloroethane
Concen: 48.665 ug/l
RT: 7.55 min Scan# 1796
Delta R.T. 0.00 min
Lab File: VN059963.D
Acq: 3 Feb 2020 9:57

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.1	51.0	76.4
61	43.3	38.5	57.7





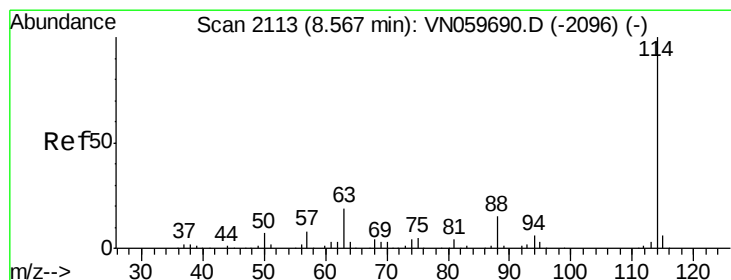
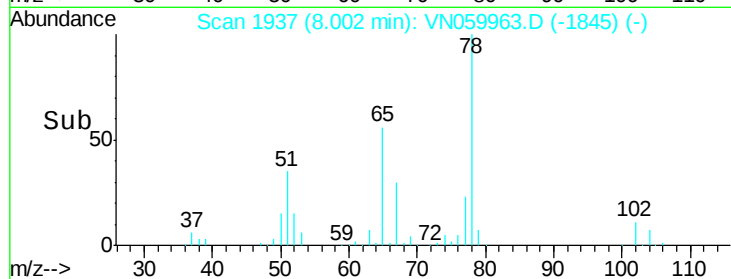
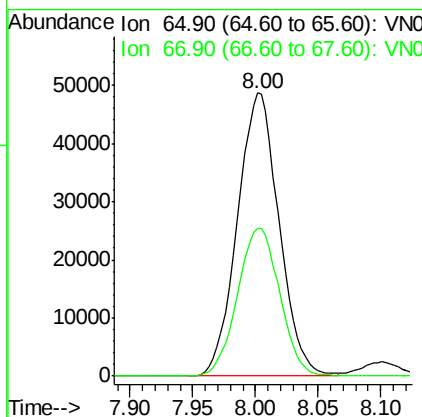
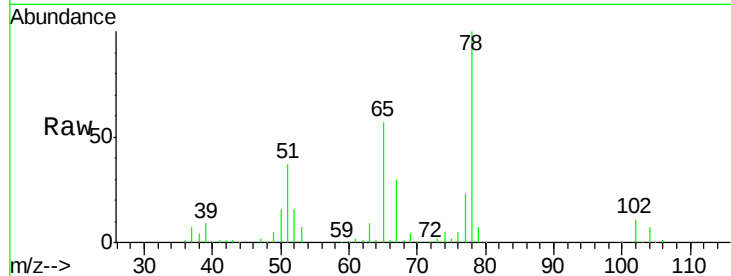
#33
 1,2-Dichloroethane-d4
 Concen: 53.271 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VN059963.D
 Acq: 3 Feb 2020 9:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	52.8	0.0	103.0	

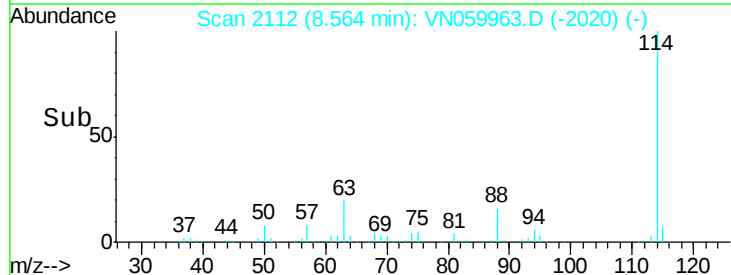
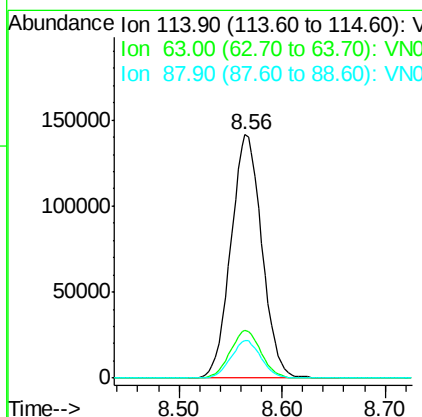
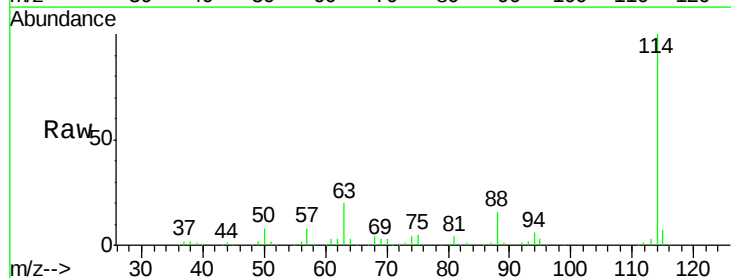
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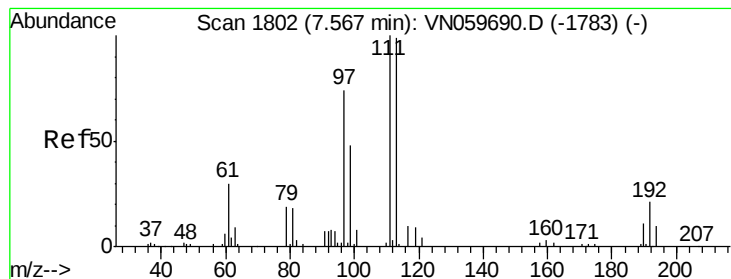
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.56 min Scan# 2112
 Delta R.T. -0.00 min
 Lab File: VN059963.D
 Acq: 3 Feb 2020 9:57

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	19.6	0.0	43.6	
88	15.5	0.0	31.4	





#35

Dibromofluoromethane

Concen: 53.461 ug/l

RT: 7.56 min Scan# 1801

Delta R.T. -0.00 min

Lab File: VN059963.D

Acq: 3 Feb 2020 9:57

Instrument :

MSVOA_N

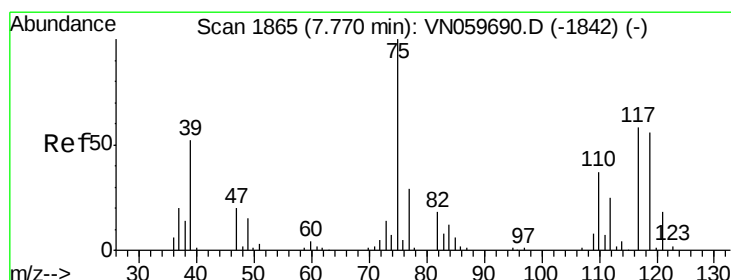
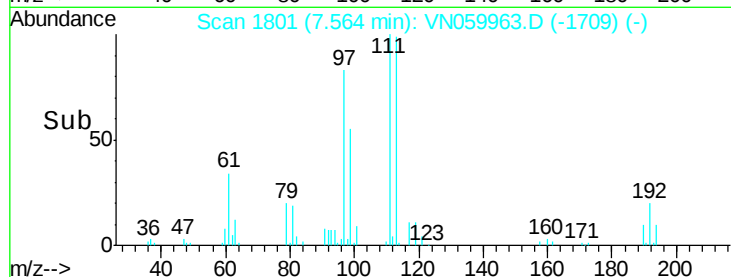
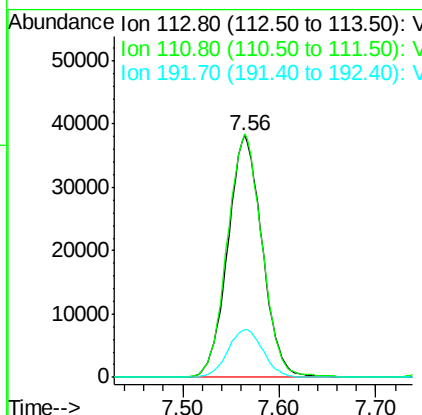
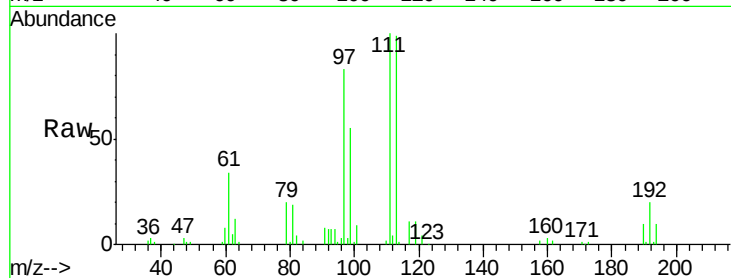
ClientSampleId :

VSTDCCC050

Tot Ion:	113	Resp:	94324
Ion Ratio	Lower	Upper	
113	100		
111	101.8	83.5	125.3
192	20.2	15.4	23.2

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#36

1,1-Dichloropropene

Concen: 47.225 ug/l

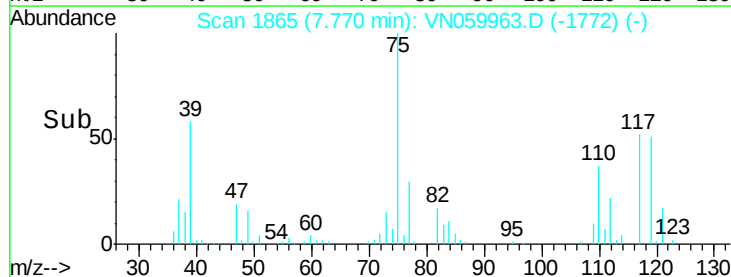
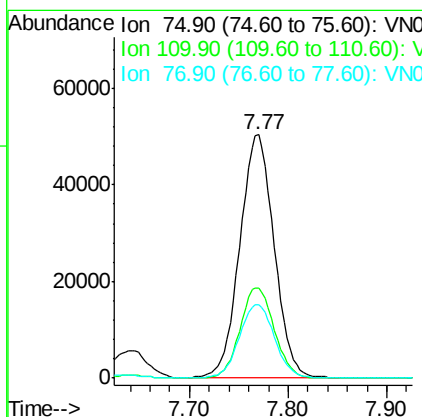
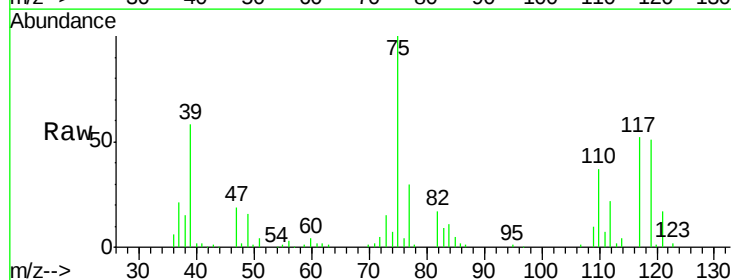
RT: 7.77 min Scan# 1865

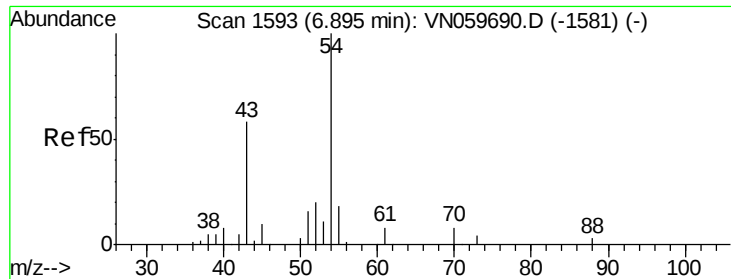
Delta R.T. 0.00 min

Lab File: VN059963.D

Acq: 3 Feb 2020 9:57

Tgt Ion:	75	Resp:	121674
Ion Ratio	Lower	Upper	
75	100		
110	36.7	16.6	49.7
77	31.1	25.1	37.7





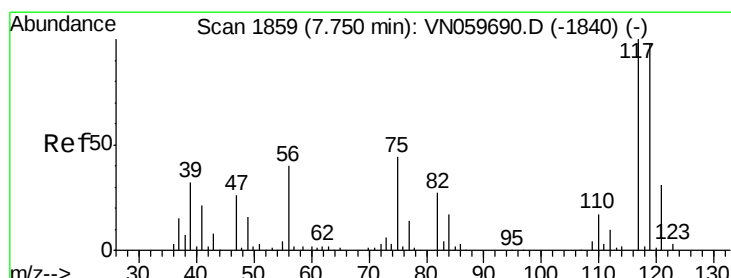
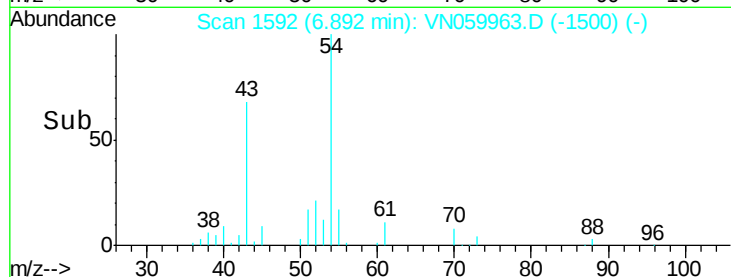
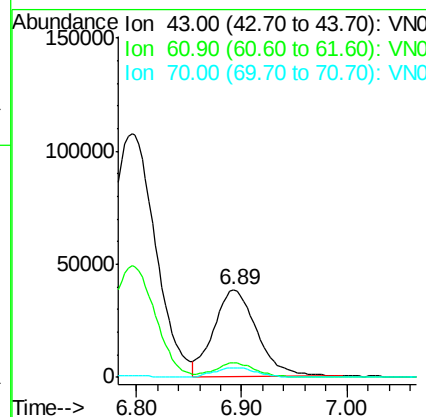
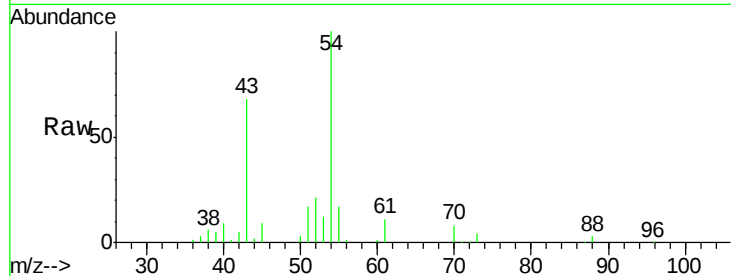
#37
Ethyl Acetate
Concen: 45.008 ug/l
RT: 6.89 min Scan# 1592
Delta R.T. -0.00 min
Lab File: VN059963.D
Acq: 3 Feb 2020 9:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.8	10.9	16.3
70	11.3	7.7	11.5

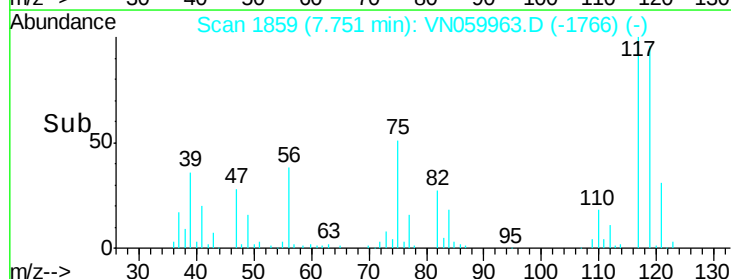
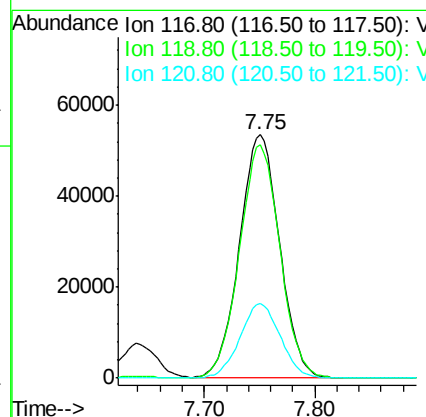
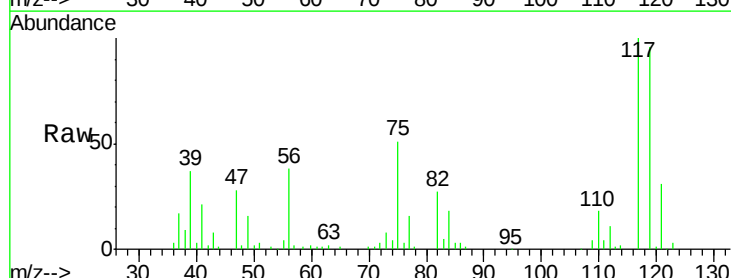
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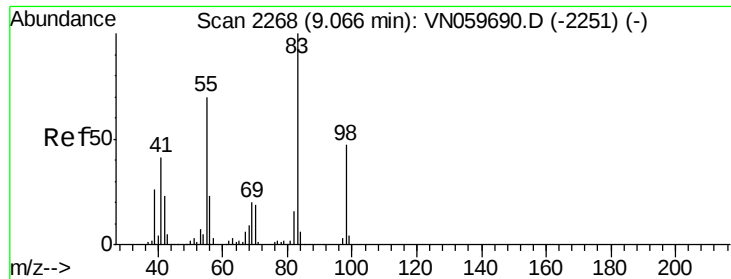
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#38
Carbon Tetrachloride
Concen: 48.212 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. 0.00 min
Lab File: VN059963.D
Acq: 3 Feb 2020 9:57

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.7	76.5	114.7
121	30.7	25.1	37.7





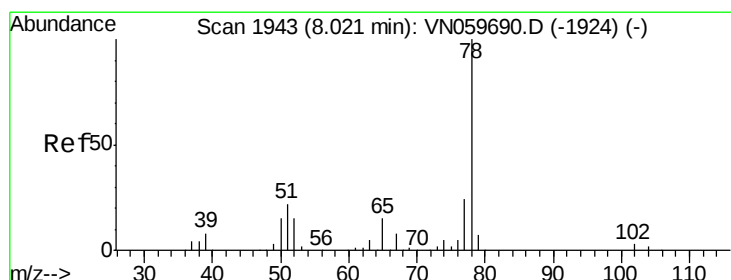
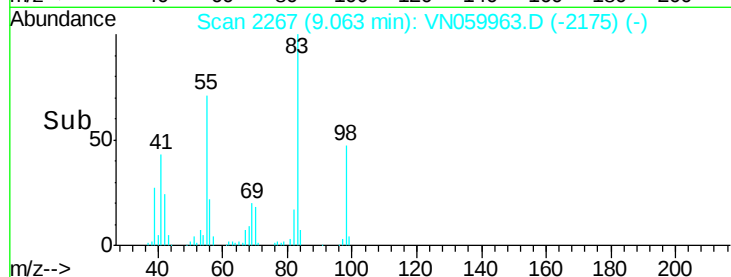
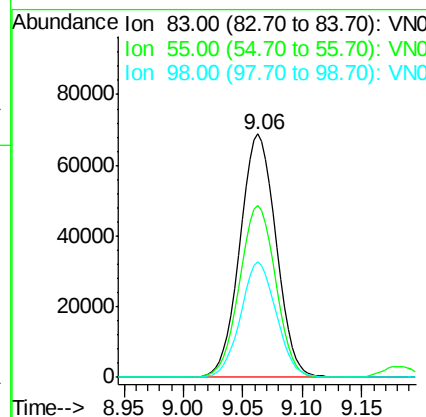
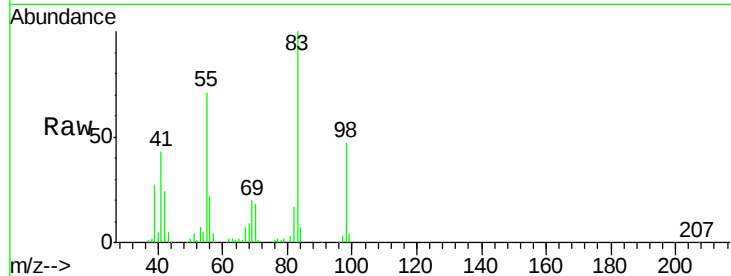
#39
Methvlcvclohexane
Concen: 45.731 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. -0.00 min
Lab File: VN059963.D
Acq: 3 Feb 2020 9:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	70.7	64.2	96.2	
98	47.4	35.9	53.9	

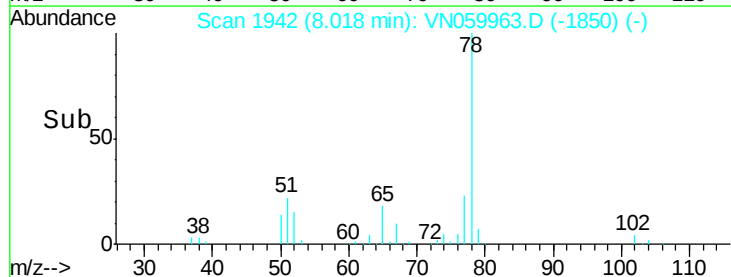
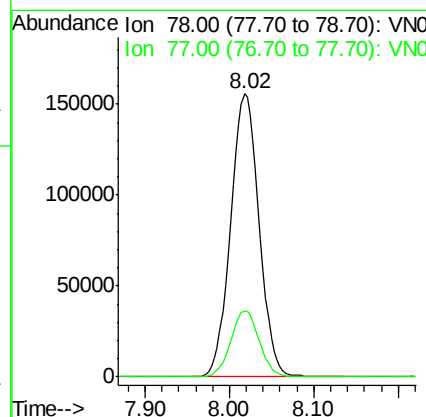
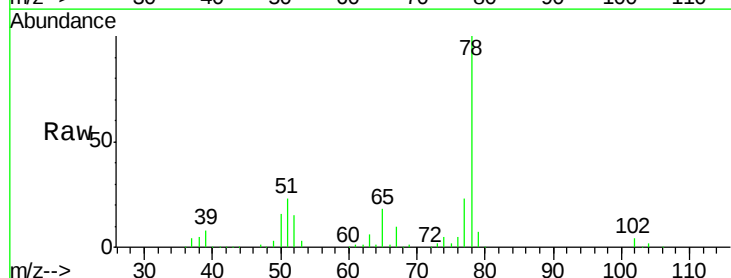
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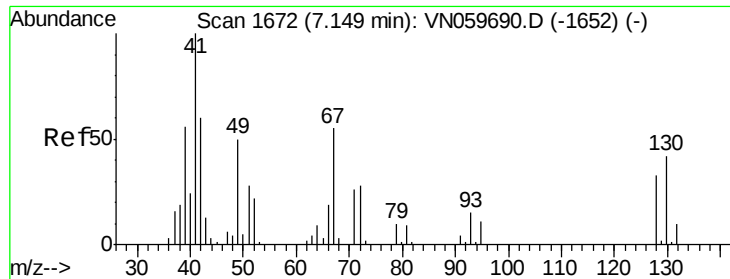
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#40
Benzene
Concen: 47.465 ug/l
RT: 8.02 min Scan# 1942
Delta R.T. -0.00 min
Lab File: VN059963.D
Acq: 3 Feb 2020 9:57

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	23.3	18.9	28.3	





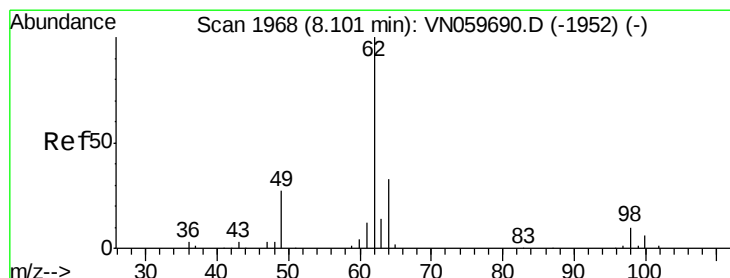
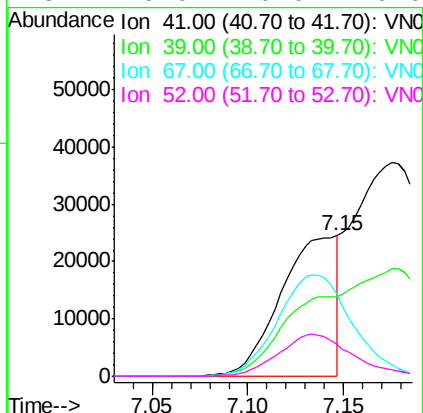
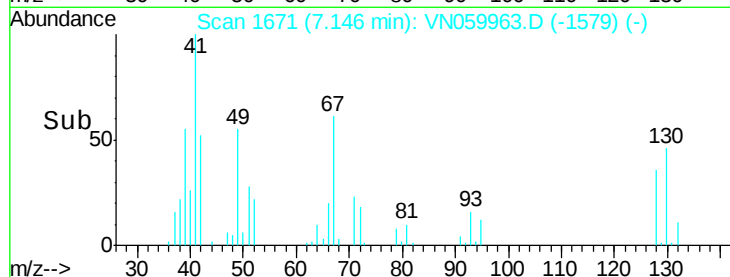
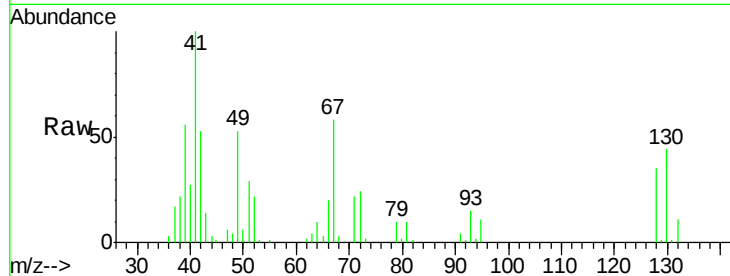
#41
Methacrylonitrile
Concen: 41.862 ug/l m
RT: 7.15 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VN059963.D
Acq: 3 Feb 2020 9:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		49827		
39	0.0	0.0	0.0		
67	0.0	0.0	0.0		
52	0.0	0.0	0.0		

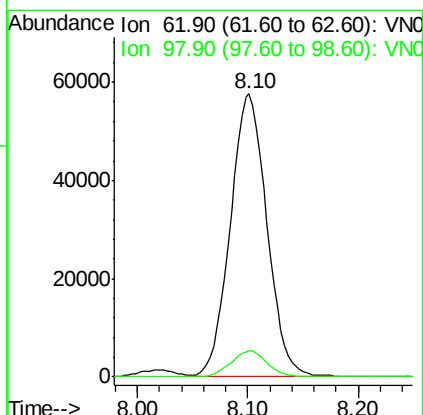
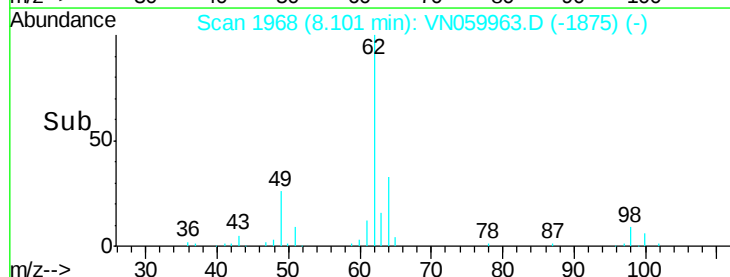
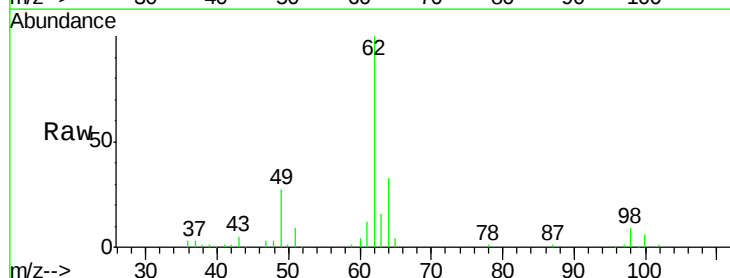
Manual Integrations
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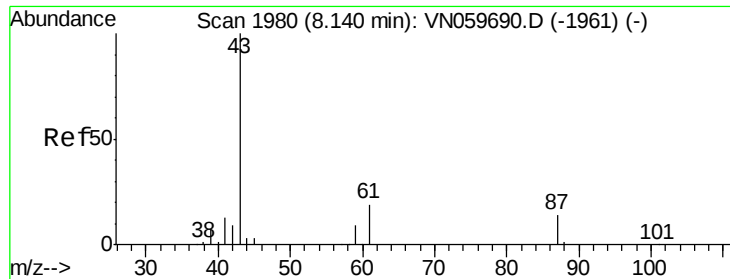
MMDadoda
2/4/2020 11:20:21 AM



#42
1,2-Dichloroethane
Concen: 50.521 ug/l
RT: 8.10 min Scan# 1968
Delta R.T. 0.00 min
Lab File: VN059963.D
Acq: 3 Feb 2020 9:57

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		131621		
98	9.1	0.0	15.8		





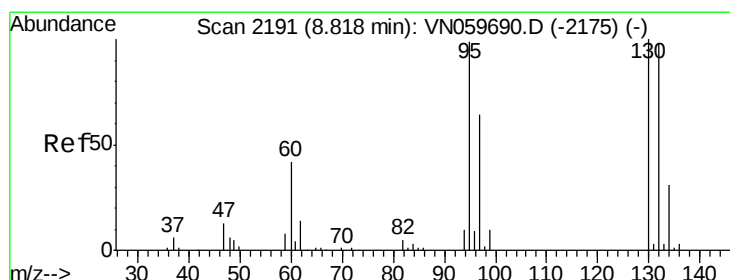
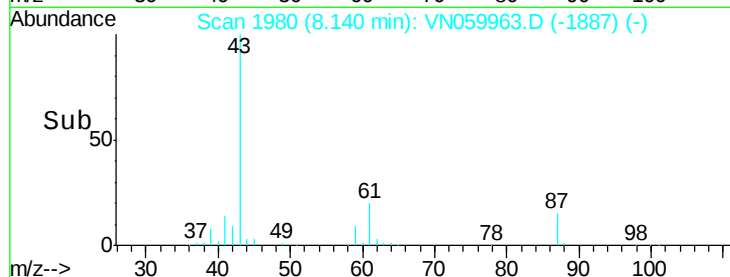
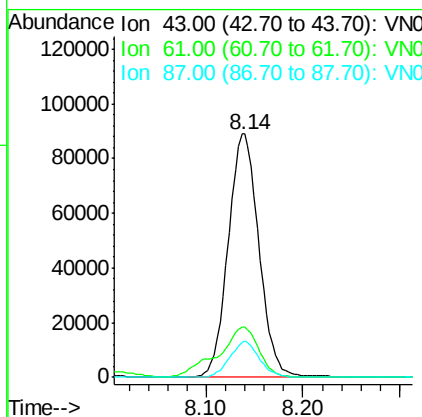
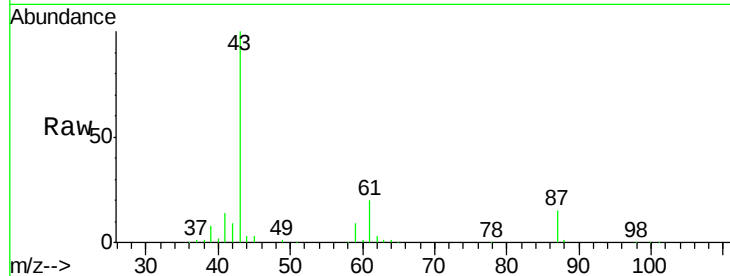
#43
Isopropyl Acetate
Concen: 47.378 ug/l
RT: 8.14 min Scan# 1980
Delta R.T. 0.00 min
Lab File: VN059963.D
Acq: 3 Feb 2020 9:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	27.4	20.2	30.2
87	14.2	9.5	14.3

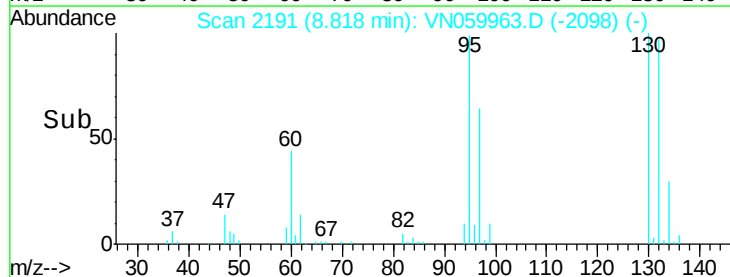
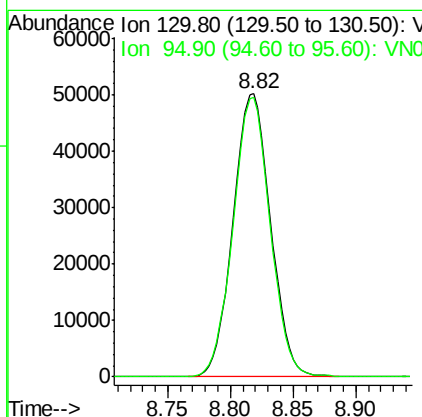
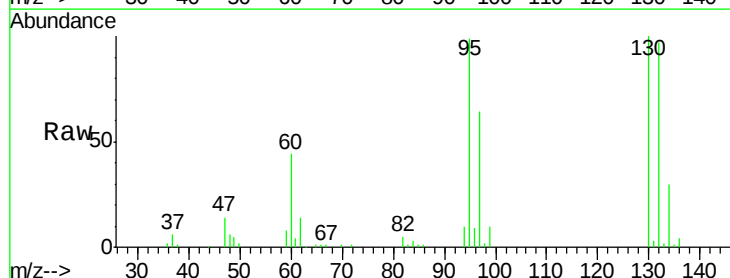
Manual Integrations
APPROVED

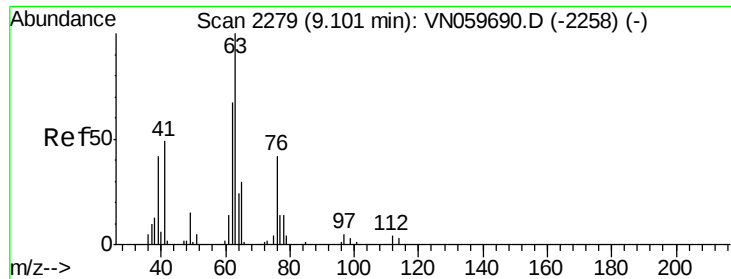
MMDadoda
2/4/2020 11:20:21 AM



#44
Trichloroethene
Concen: 49.742 ug/l
RT: 8.82 min Scan# 2191
Delta R.T. 0.00 min
Lab File: VN059963.D
Acq: 3 Feb 2020 9:57

Tgt Ion	Ratio	Lower	Upper
130	100		
95	99.0	0.0	207.0





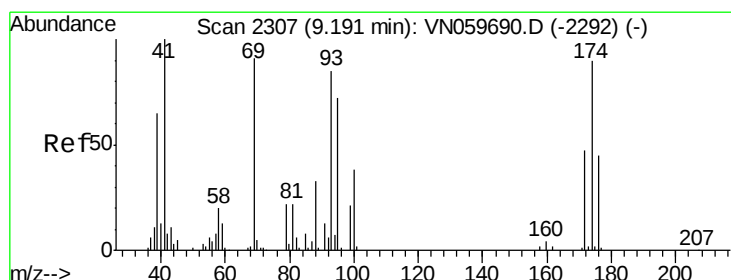
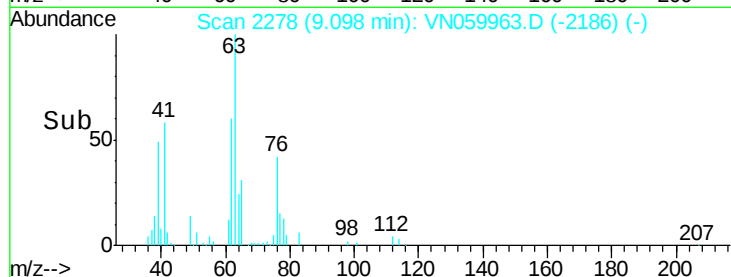
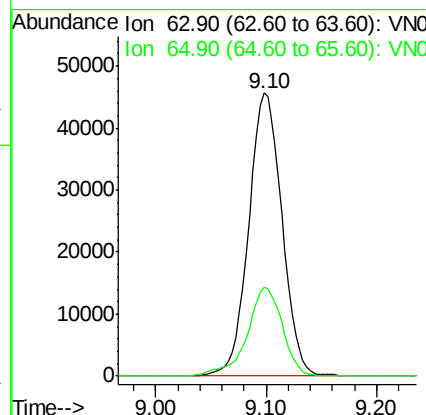
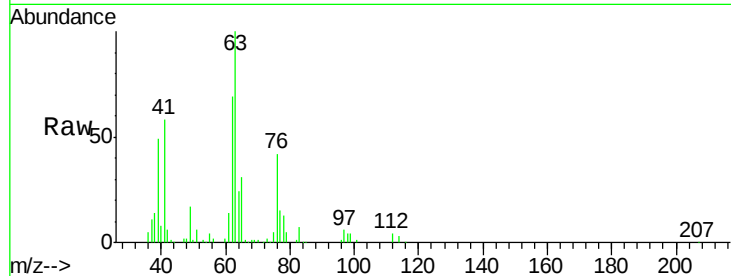
#45
 1,2-Dichloropropane
 Concen: 50.146 ug/l
 RT: 9.10 min Scan# 2278
 Delta R.T. -0.00 min
 Lab File: VN059963.D
 Acq: 3 Feb 2020 9:57

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.5	24.9	37.3

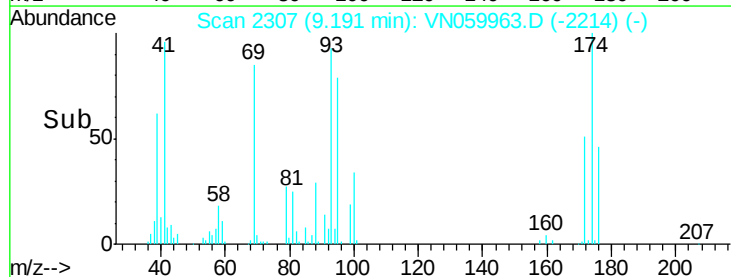
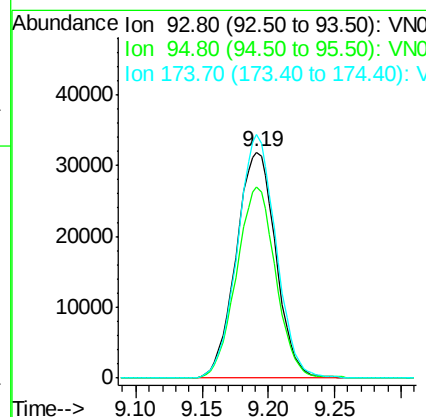
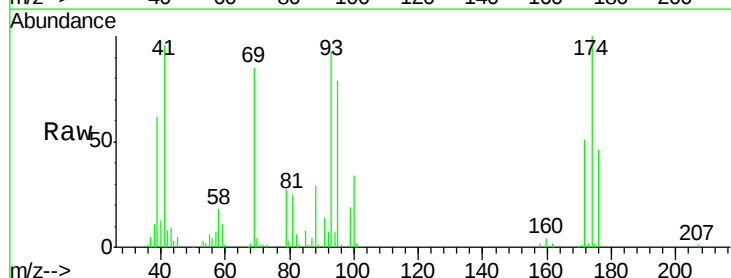
Manual Integrations
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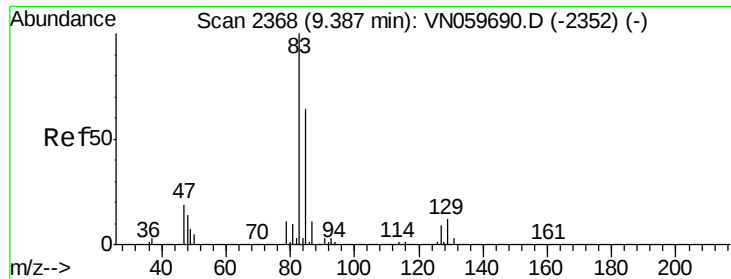
MMDadoda
 2/4/2020 11:20:21 AM



#46
 Dibromomethane
 Concen: 49.350 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. 0.00 min
 Lab File: VN059963.D
 Acq: 3 Feb 2020 9:57

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.6	67.0	100.6
174	104.6	73.4	110.2





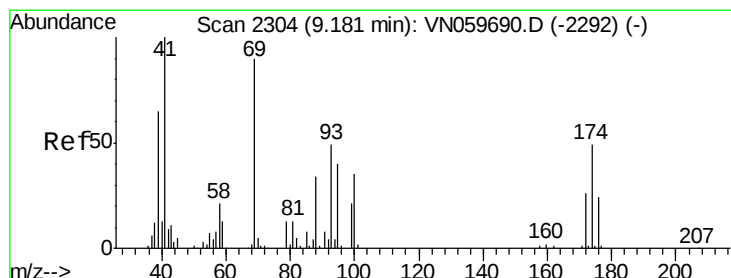
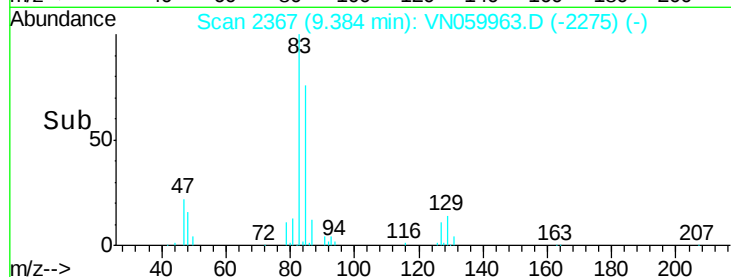
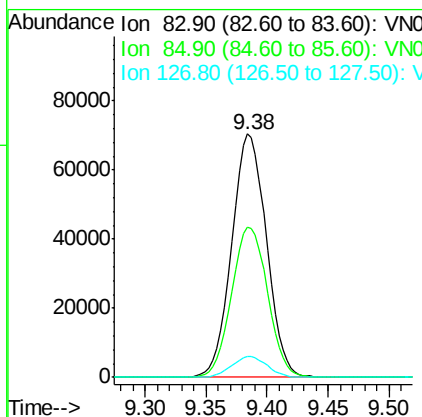
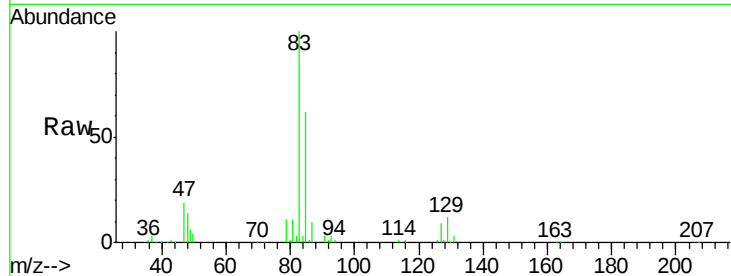
#47
Bromodichloromethane
Concen: 51.376 ug/l
RT: 9.38 min Scan# 2367
Delta R.T. -0.00 min
Lab File: VN059963.D
Acq: 3 Feb 2020 9:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
85	61.8	51.1	76.7	
127	8.5	6.6	9.8	

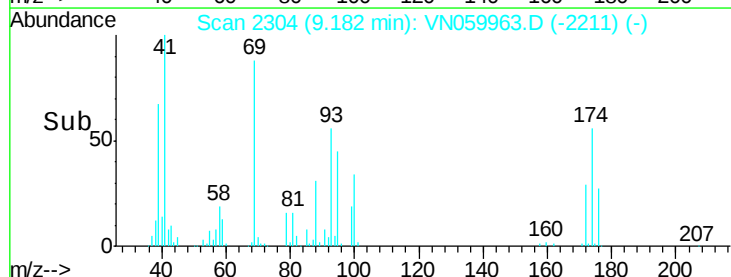
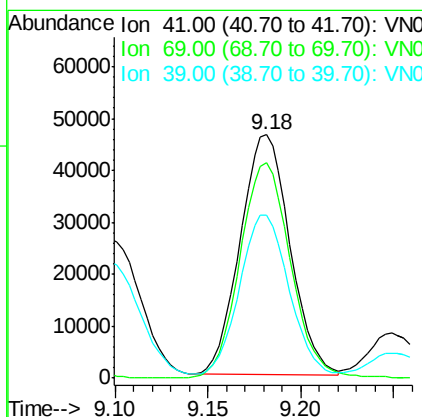
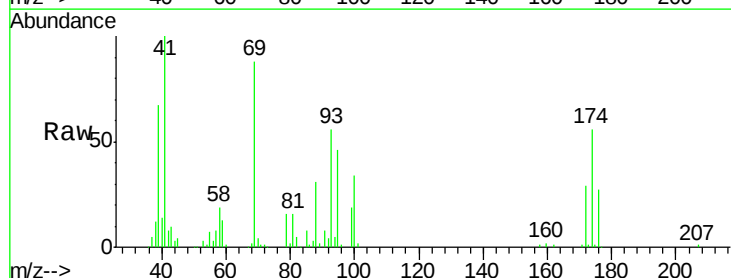
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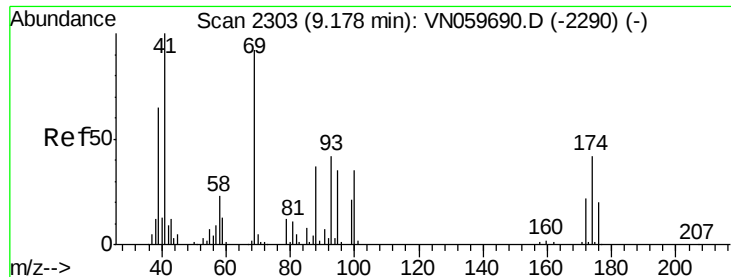
MMDadoda
2/4/2020 11:20:21 AM



#48
Methyl methacrylate
Concen: 46.646 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. 0.00 min
Lab File: VN059963.D
Acq: 3 Feb 2020 9:57

Tgt Ion	Ratio	Resp	Lower	Upper
41	100			
69	91.4	64.4	96.6	
39	68.8	51.3	76.9	





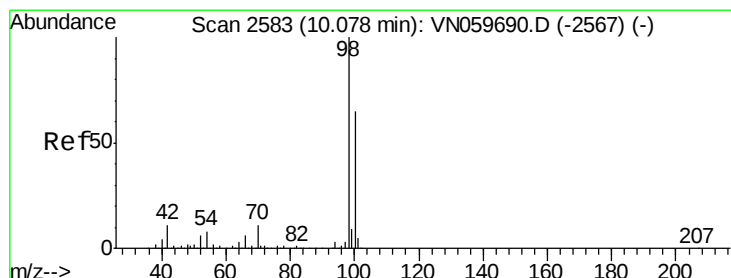
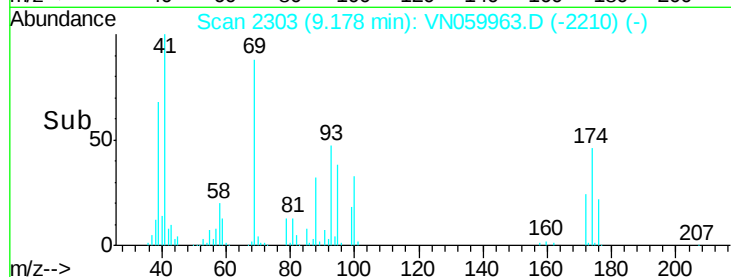
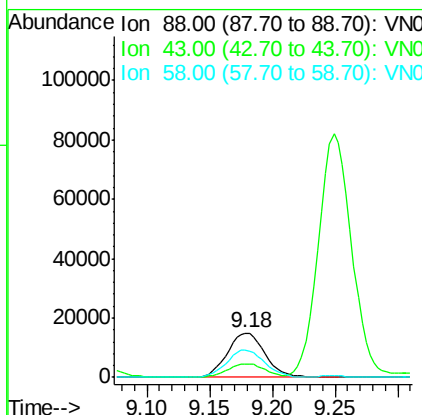
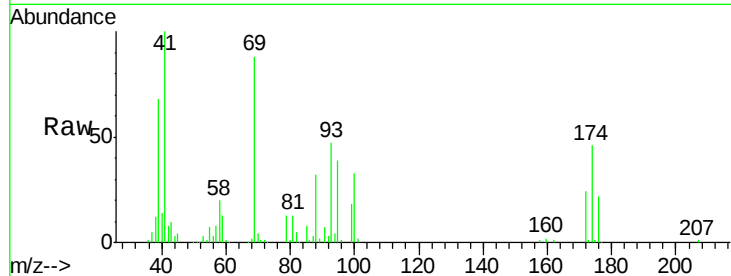
#49
1,4-Dioxane
Concen: 915.994 ug/l
RT: 9.18 min Scan# 2303
Delta R.T. 0.00 min
Lab File: VN059963.D
Acq: 3 Feb 2020 9:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	88	Resp	31176
Ion	Ratio	Lower	Upper
88	100		
43	31.1	29.7	44.5
58	61.8	56.6	85.0

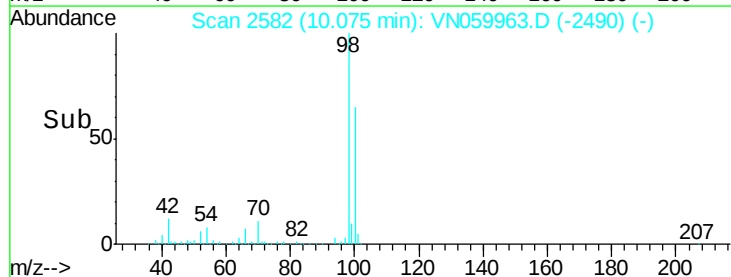
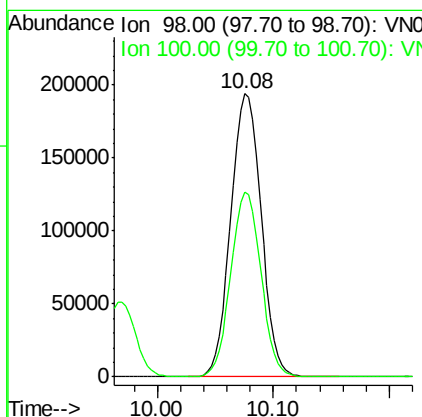
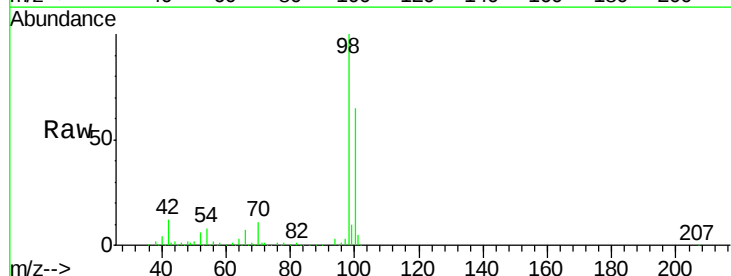
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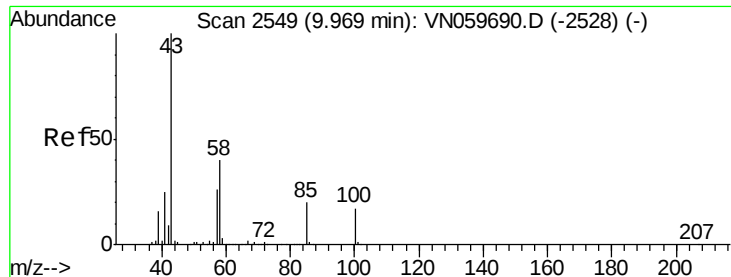
MMDadoda
2/4/2020 11:20:21 AM



#50
Toluene-d8
Concen: 51.893 ug/l
RT: 10.08 min Scan# 2582
Delta R.T. -0.00 min
Lab File: VN059963.D
Acq: 3 Feb 2020 9:57

Tgt Ion	98	Resp	354739
Ion	Ratio	Lower	Upper
98	100		
100	64.6	51.2	76.8





#51

4-Methyl-2-Pentanone

Concen: 238.234 ug/l

RT: 9.97 min Scan# 2549

Delta R.T. 0.00 min

Lab File: VN059963.D

Acq: 3 Feb 2020 9:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 572416

Ion Ratio Lower Upper

43 100

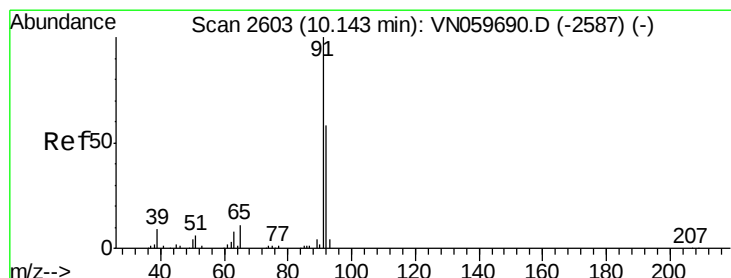
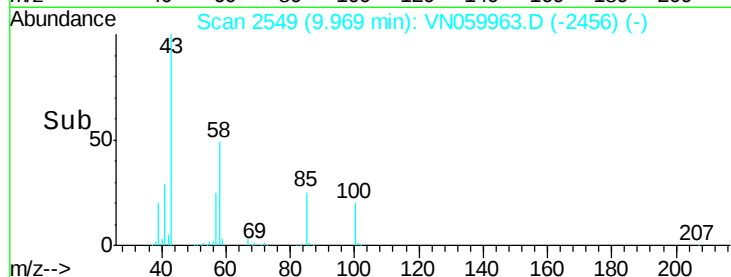
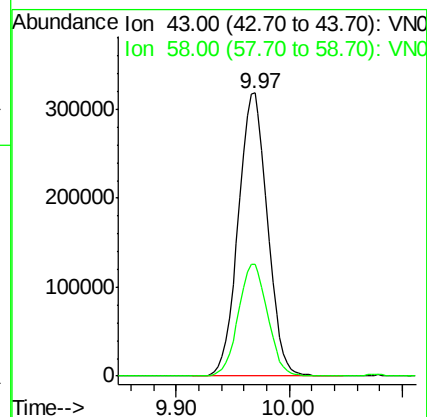
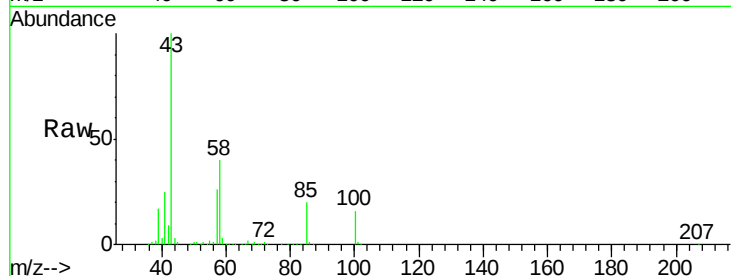
58 39.7 29.8 44.8

Manual Integrations

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#52

Toluene

Concen: 48.593 ug/l

RT: 10.14 min Scan# 2602

Delta R.T. -0.00 min

Lab File: VN059963.D

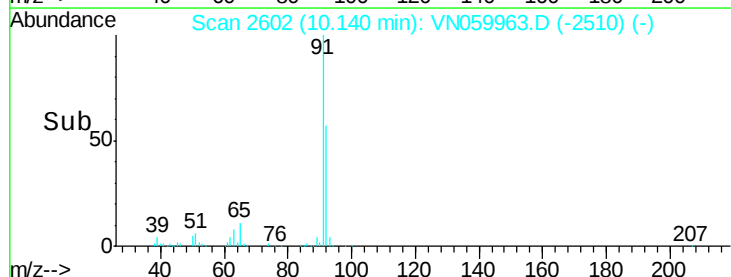
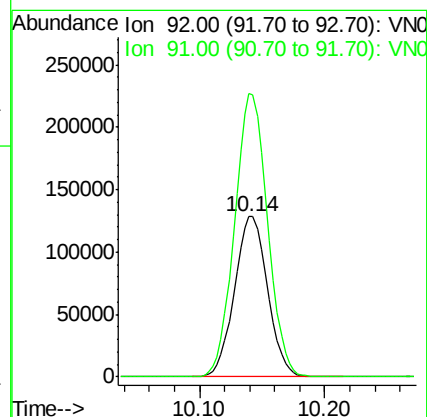
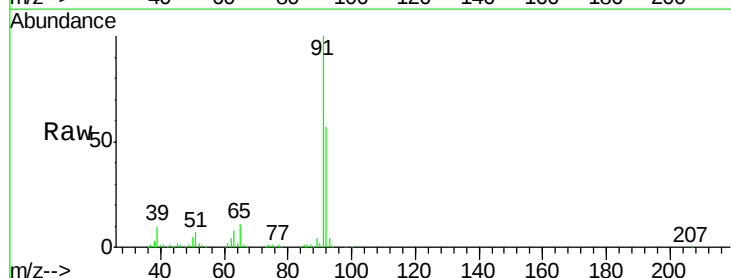
Acq: 3 Feb 2020 9:57

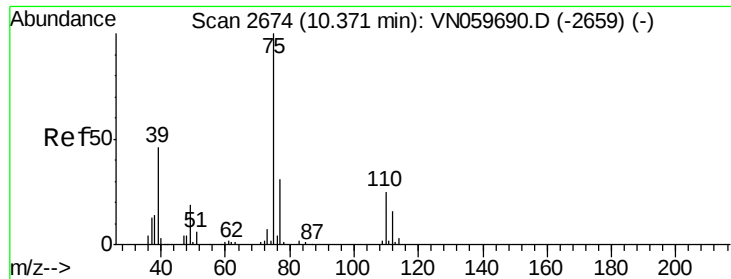
Tgt Ion: 92 Resp: 235848

Ion Ratio Lower Upper

92 100

91 175.5 140.4 210.6





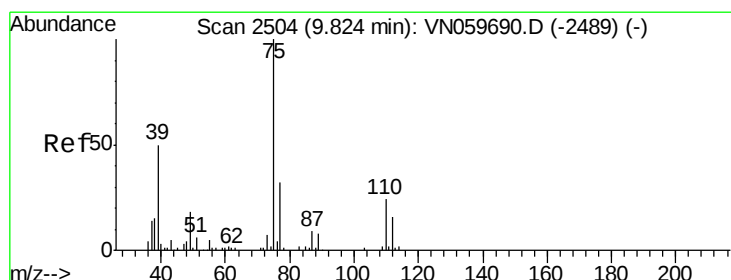
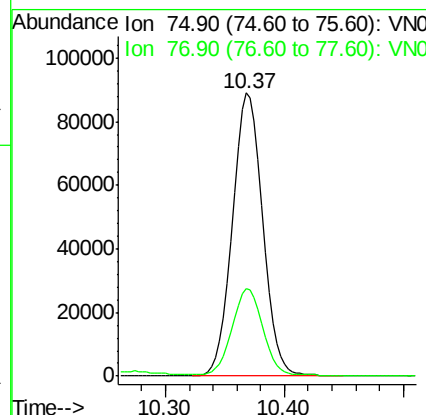
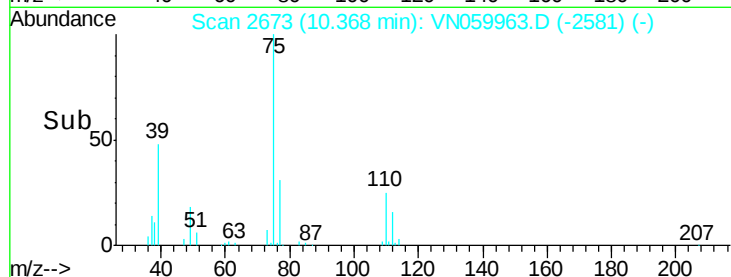
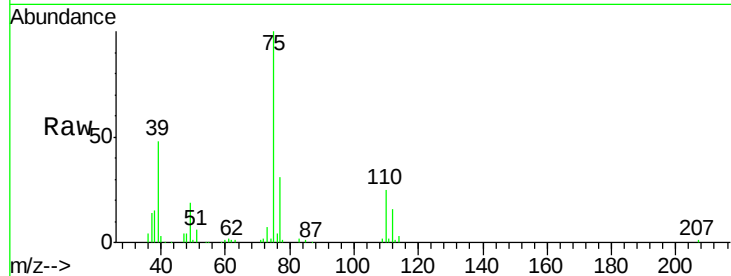
#53
t-1,3-Dichloropropene
Concen: 52.033 ug/l
RT: 10.37 min Scan# 2673
Delta R.T. -0.00 min
Lab File: VN059963.D
Acq: 3 Feb 2020 9:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 157036
Ion Ratio Lower Upper
75 100
77 30.8 25.4 38.2

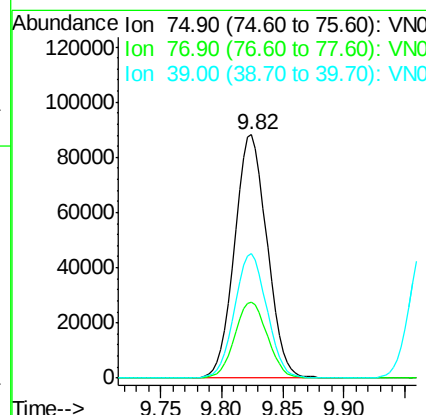
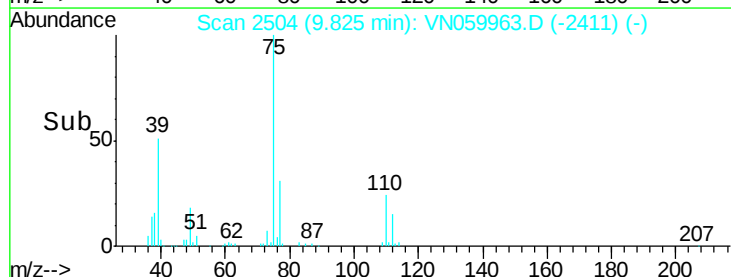
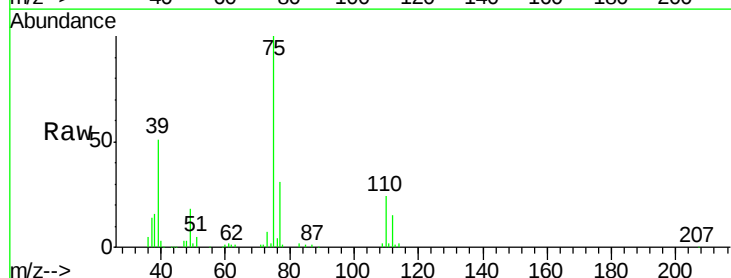
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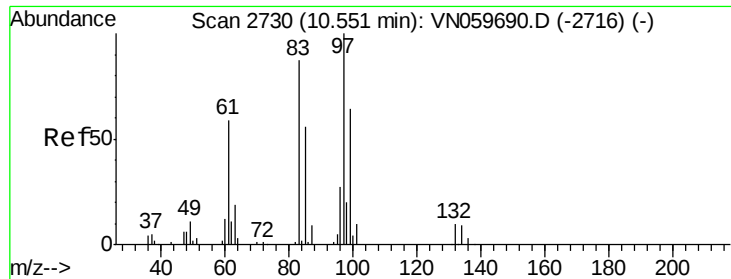
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 51.598 ug/l
RT: 9.82 min Scan# 2504
Delta R.T. 0.00 min
Lab File: VN059963.D
Acq: 3 Feb 2020 9:57

Tgt Ion: 75 Resp: 163850
Ion Ratio Lower Upper
75 100
77 31.3 25.1 37.7
39 50.9 46.1 69.1





#55

1,1,2-Trichloroethane

Concen: 50.866 ug/l

RT: 10.55 min Scan# 2730

Delta R.T. 0.00 min

Lab File: VN059963.D

Acq: 3 Feb 2020 9:57

Instrument :

MSVOA_N

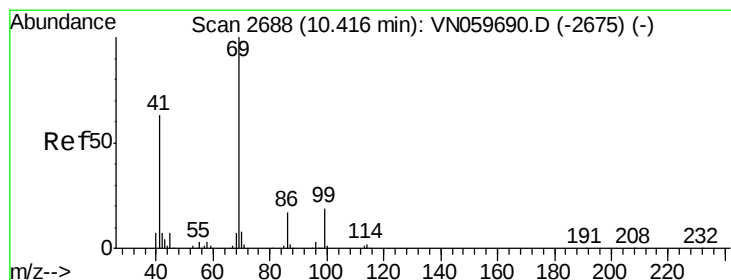
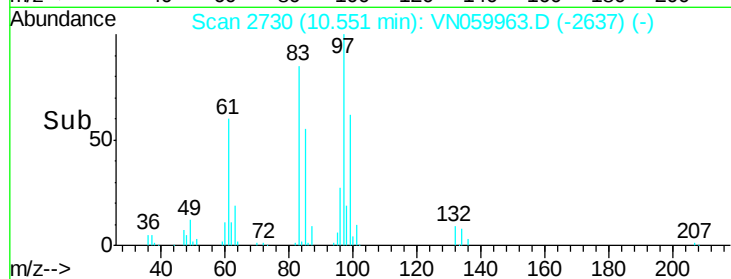
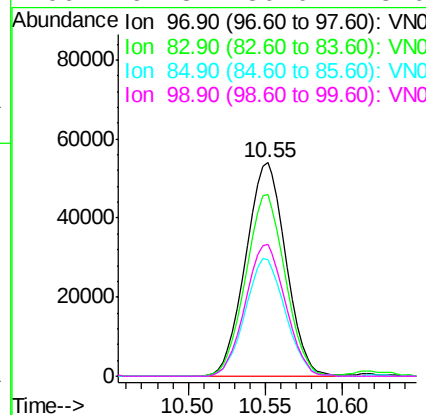
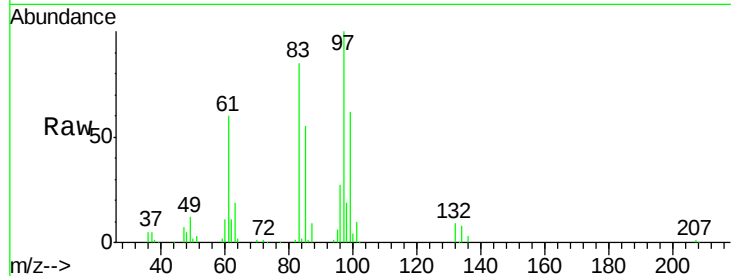
ClientSampleId :

VSTDCCC050

Tot Ion:	97	Resp:	97780
Ion	Ratio	Lower	Upper
97	100		
83	84.9	71.3	106.9
85	54.5	45.8	68.8
99	61.8	50.0	75.0

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#56

Ethyl methacrylate

Concen: 47.373 ug/l

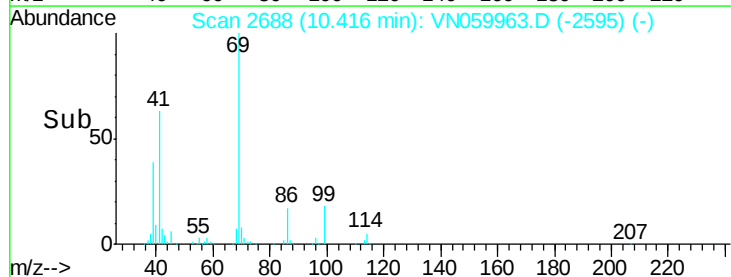
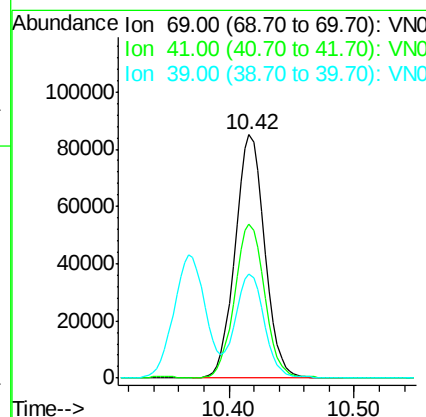
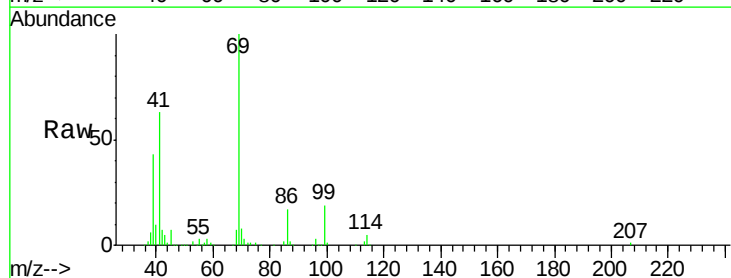
RT: 10.42 min Scan# 2688

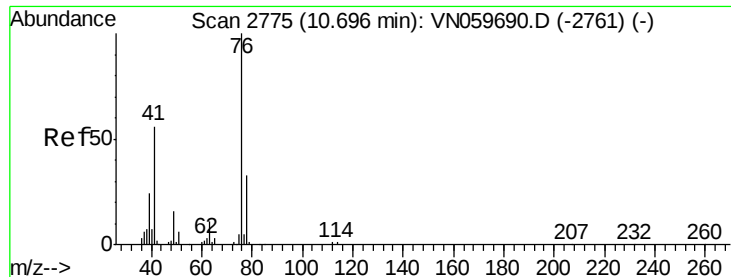
Delta R.T. 0.00 min

Lab File: VN059963.D

Acq: 3 Feb 2020 9:57

Tgt Ion:	69	Resp:	139147
Ion	Ratio	Lower	Upper
69	100		
41	63.7	57.1	85.7
39	42.1	34.7	52.1





#57

1,3-Dichloropropane

Concen: 51.269 ug/l

RT: 10.70 min Scan# 2775

Delta R.T. 0.00 min

Lab File: VN059963.D

Acq: 3 Feb 2020 9:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 156466

Ion Ratio Lower Upper

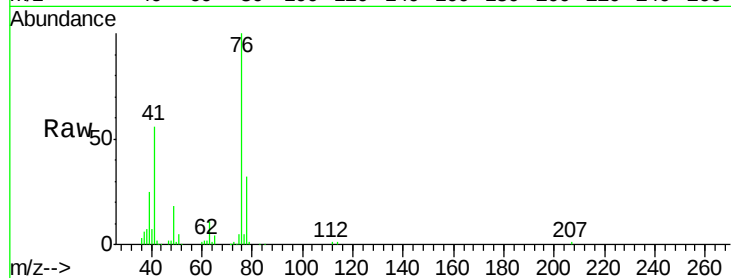
76 100

78 32.5 25.8 38.8

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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

10.70

80000

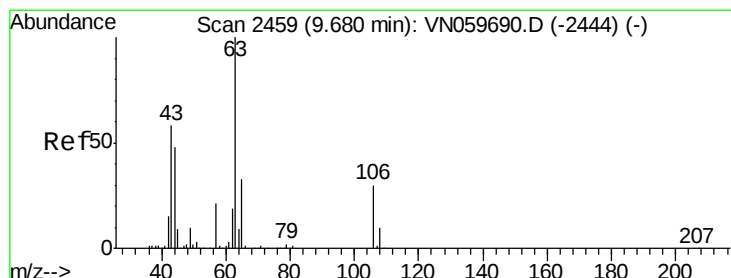
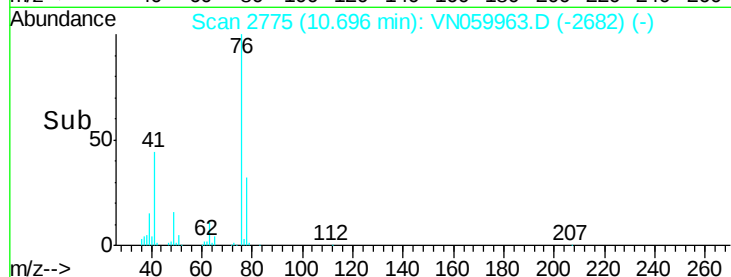
60000

40000

20000

0

Time--> 10.60 10.70 10.80



#58

2-Chloroethyl Vinyl ether

Concen: 274.356 ug/l

RT: 9.68 min Scan# 2459

Delta R.T. 0.00 min

Lab File: VN059963.D

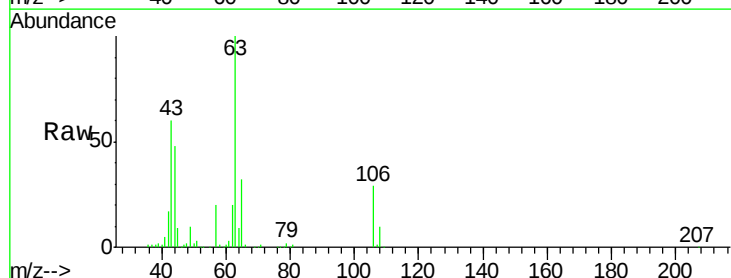
Acq: 3 Feb 2020 9:57

Tgt Ion: 63 Resp: 242727

Ion Ratio Lower Upper

63 100

106 29.0 20.2 30.2



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

9.68

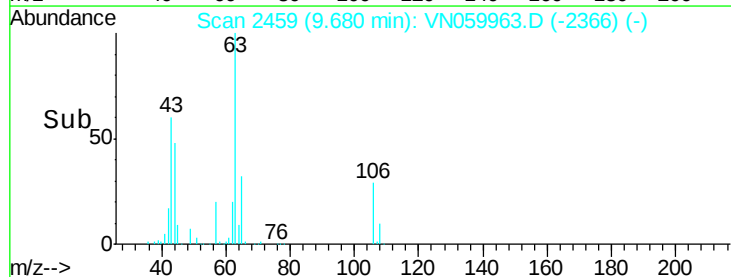
150000

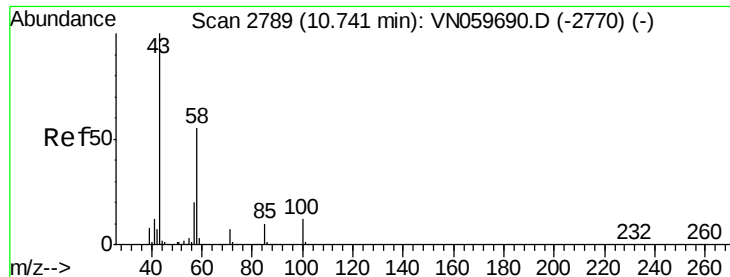
100000

50000

0

Time--> 9.60 9.65 9.70 9.75 9.80





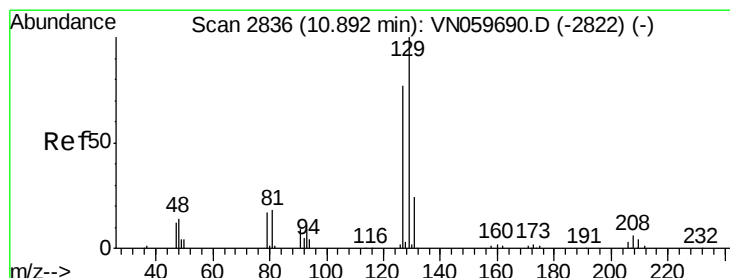
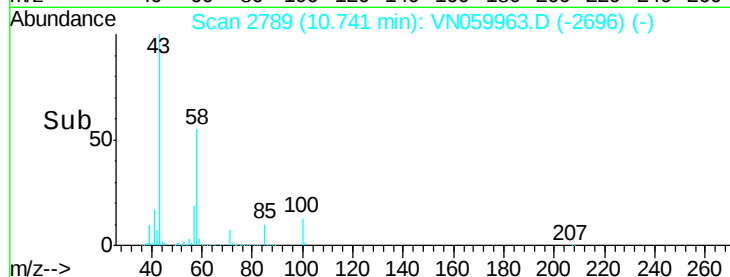
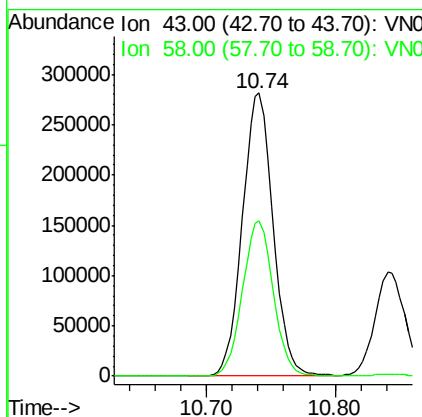
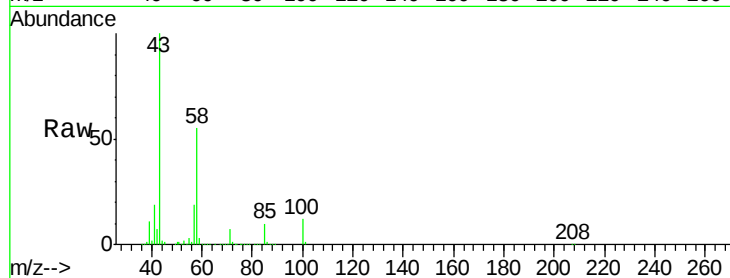
#59
2-Hexanone
Concen: 263.612 ug/l
RT: 10.74 min Scan# 2789
Delta R.T. 0.00 min
Lab File: VN059963.D
Acq: 3 Feb 2020 9:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 466624
Ion Ratio Lower Upper
43 100
58 55.0 25.8 77.3

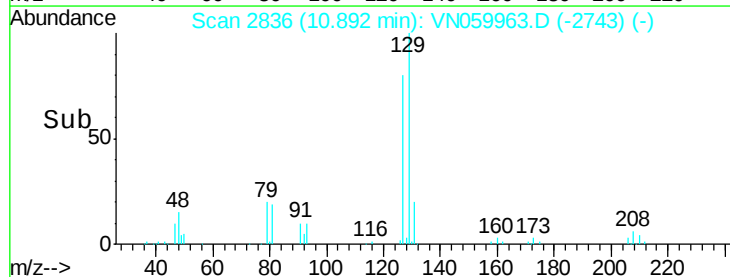
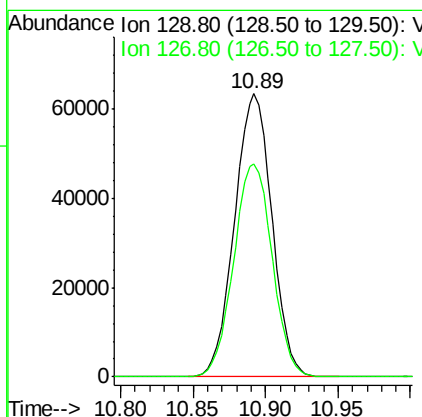
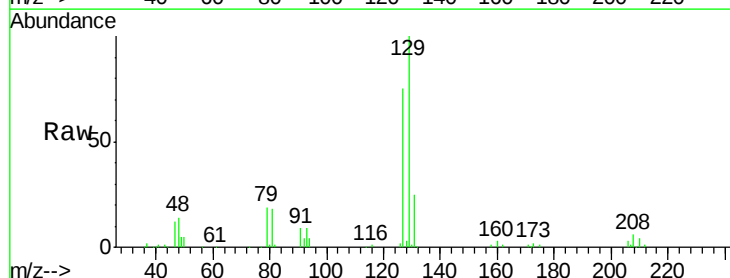
Manual Integrations
APPROVED

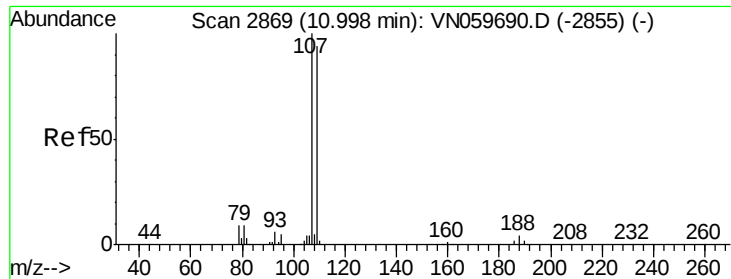
MMDadoda
2/4/2020 11:20:21 AM



#60
Dibromochloromethane
Concen: 51.919 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. 0.00 min
Lab File: VN059963.D
Acq: 3 Feb 2020 9:57

Tgt Ion: 129 Resp: 113653
Ion Ratio Lower Upper
129 100
127 77.4 38.5 115.5





#61

1,2-Dibromoethane

Concen: 49.681 ug/l

RT: 10.99 min Scan# 2868

Delta R.T. -0.00 min

Lab File: VN059963.D

Acq: 3 Feb 2020 9:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 107 Resp: 100096

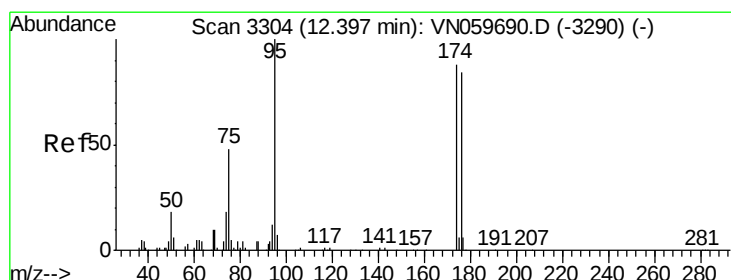
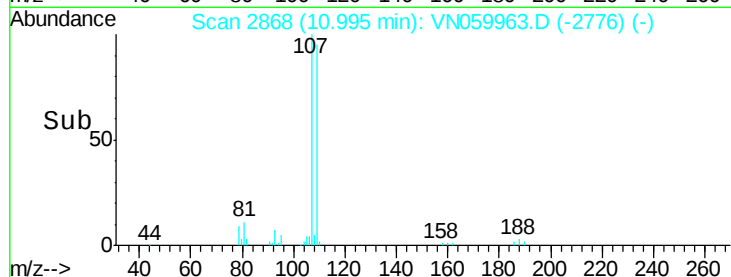
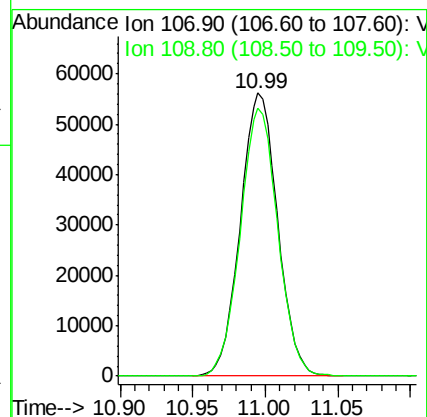
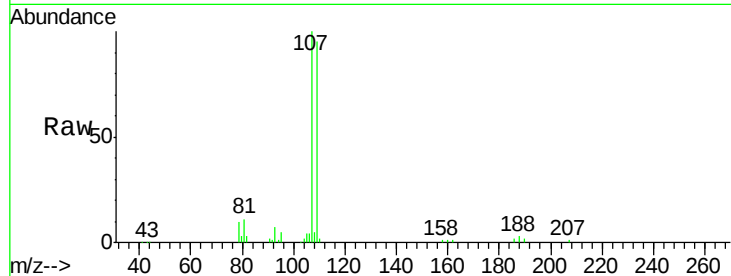
Ion Ratio Lower Upper

107 100

109 95.4 76.6 115.0

Manual Integrations
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MMDadoda
2/4/2020 11:20:21 AM



#62

4-Bromofluorobenzene

Concen: 53.521 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.00 min

Lab File: VN059963.D

Acq: 3 Feb 2020 9:57

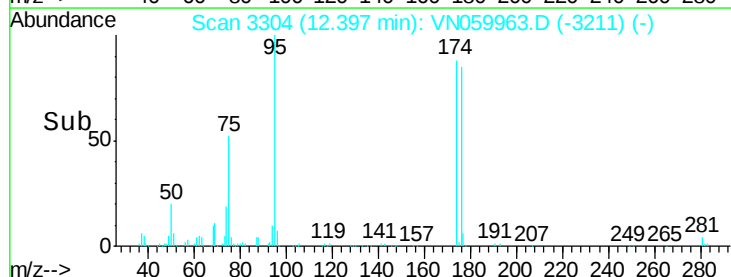
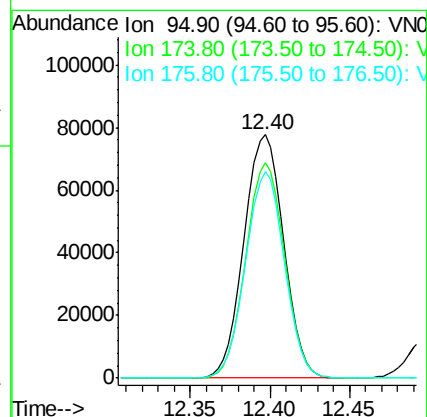
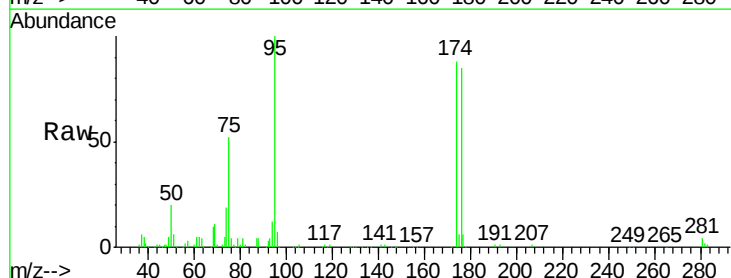
Tgt Ion: 95 Resp: 131895

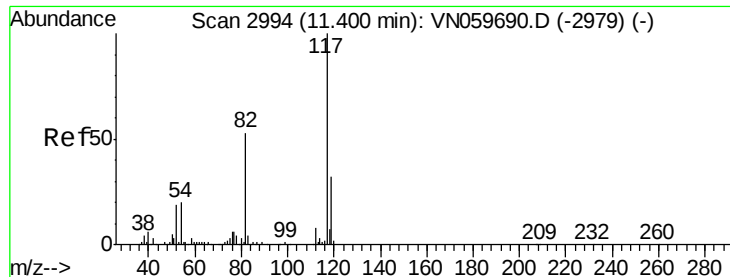
Ion Ratio Lower Upper

95 100

174 86.7 0.0 151.4

176 83.0 0.0 146.0





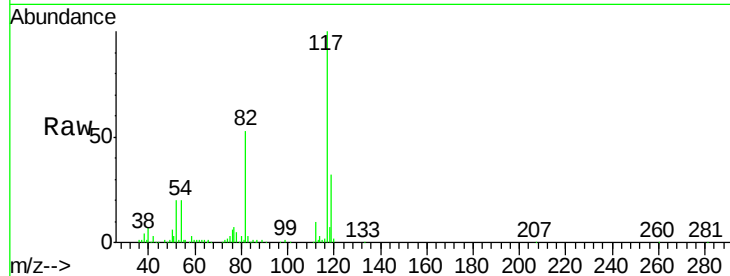
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN059963.D
Acq: 3 Feb 2020 9:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	271922		
82	53.4	45.9	68.9	
119	32.4	25.5	38.3	

Manual Integrations
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2/4/2020 11:20:21 AM

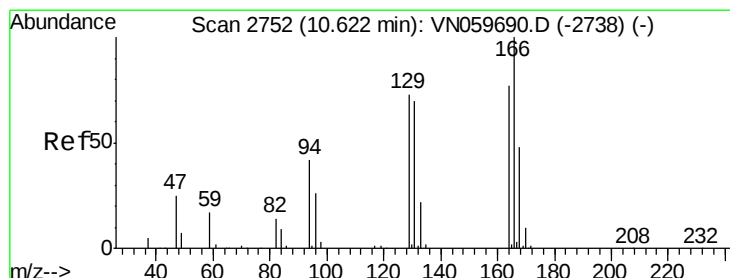
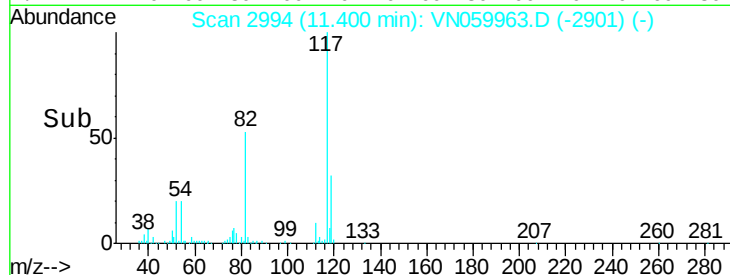
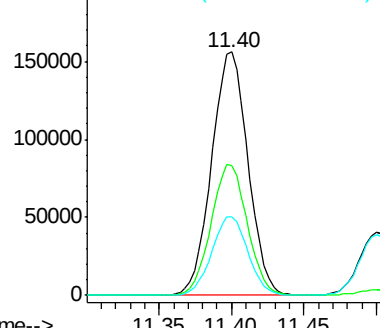


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 48.111 ug/l
RT: 10.62 min Scan# 2751
Delta R.T. -0.00 min
Lab File: VN059963.D
Acq: 3 Feb 2020 9:57

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	106623		
166	122.9	101.4	152.0	
129	91.6	80.2	120.4	
131	88.7	75.0	112.4	

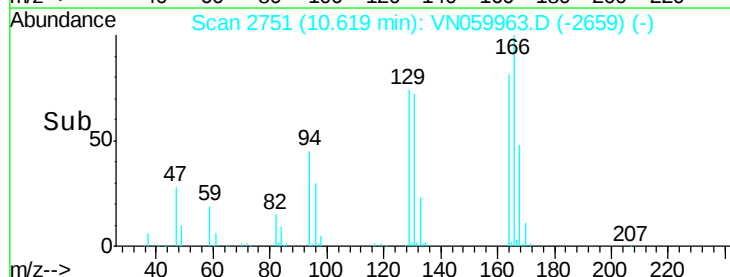
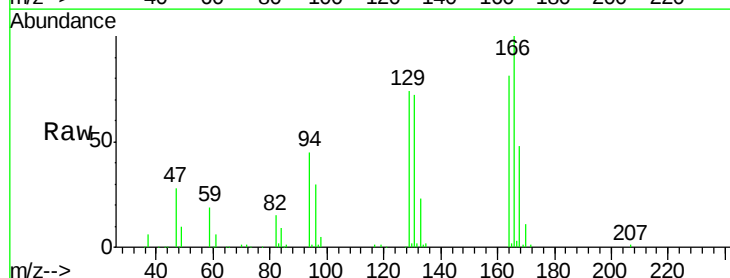
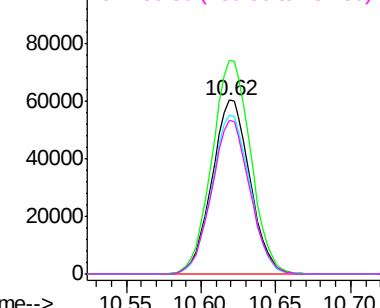
Abundance

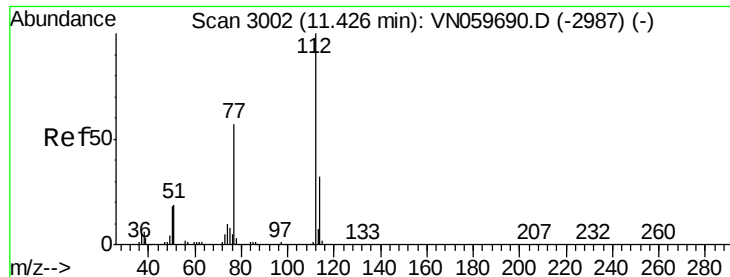
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





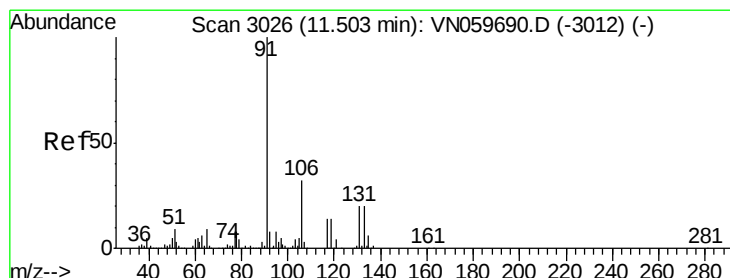
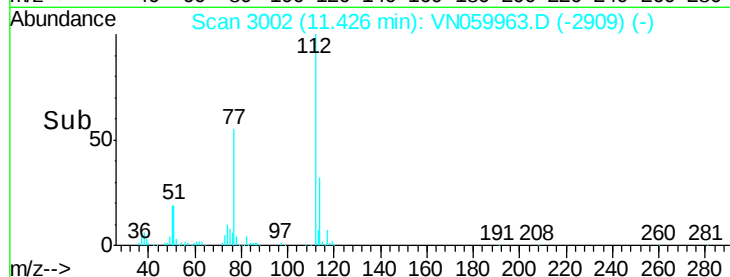
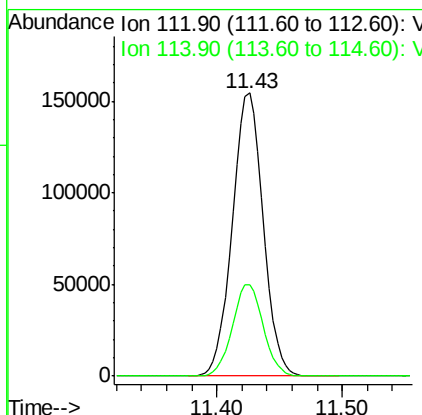
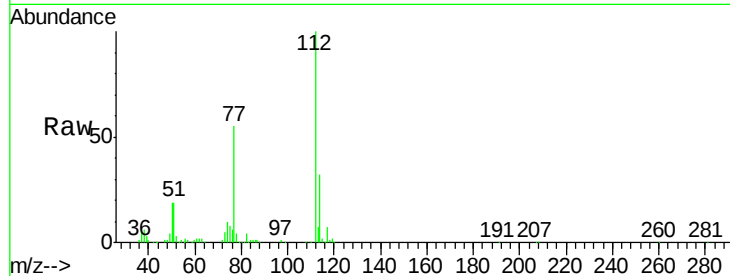
#65
Chlorobenzene
Concen: 49.241 ug/l
RT: 11.43 min Scan# 3002
Delta R.T. 0.00 min
Lab File: VN059963.D
Acq: 3 Feb 2020 9:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.1	25.8	38.8

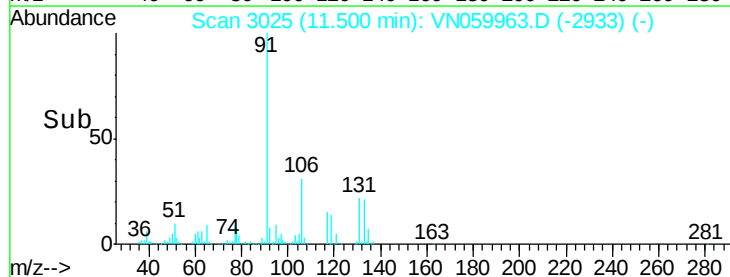
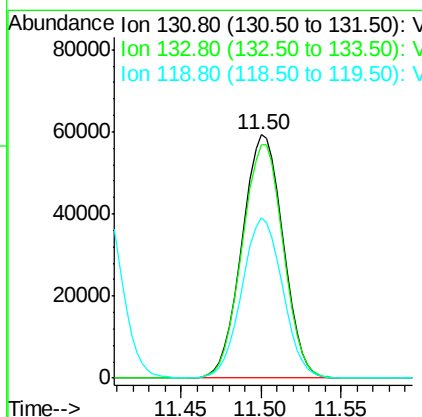
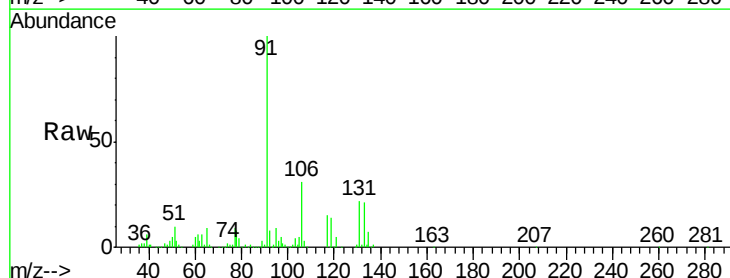
Manual Integrations
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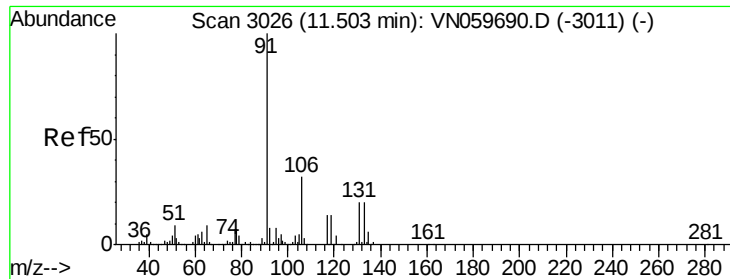
MMDadoda
2/4/2020 11:20:21 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 50.461 ug/l
RT: 11.50 min Scan# 3025
Delta R.T. -0.00 min
Lab File: VN059963.D
Acq: 3 Feb 2020 9:57

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.4	47.4	142.2
119	65.0	33.1	99.3





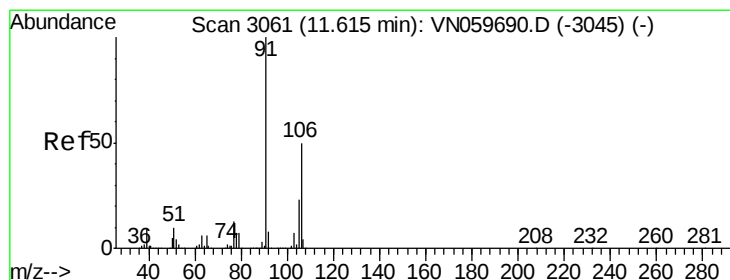
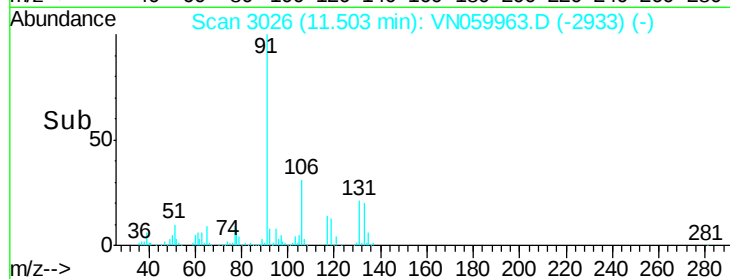
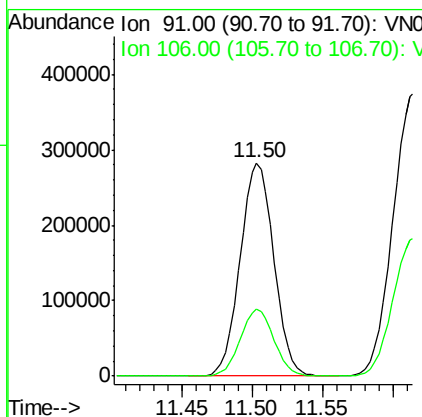
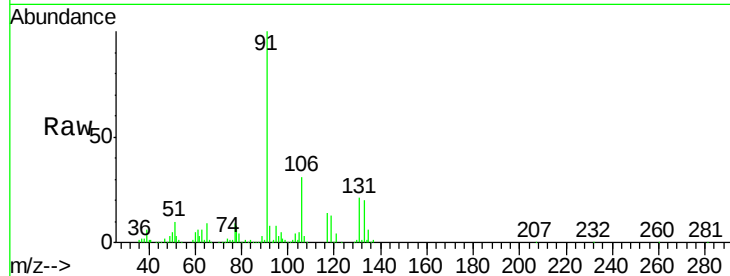
#67
Ethyl Benzene
Concen: 48.786 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. 0.00 min
Lab File: VN059963.D
Acq: 3 Feb 2020 9:57

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion: 91 Resp: 473341
Ion Ratio Lower Upper
91 100
106 31.3 24.1 36.1

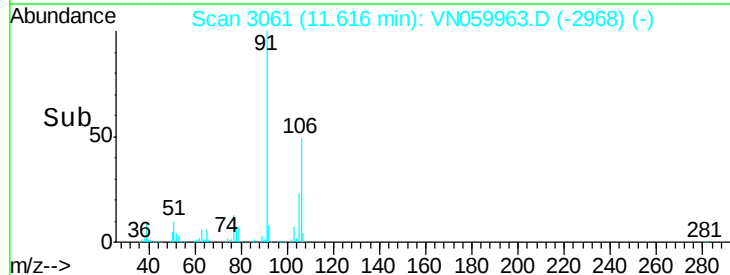
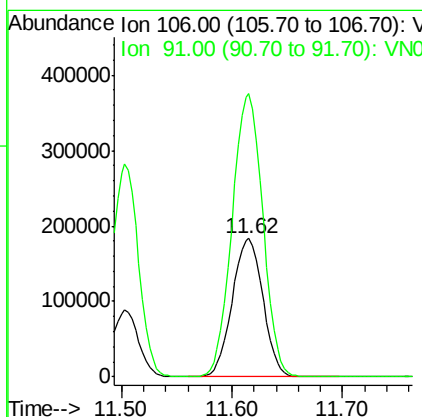
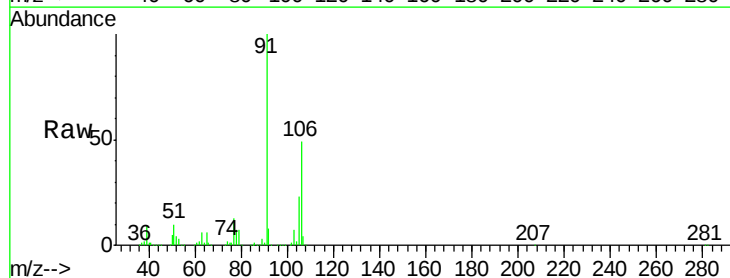
Manual Integrations
APPROVED

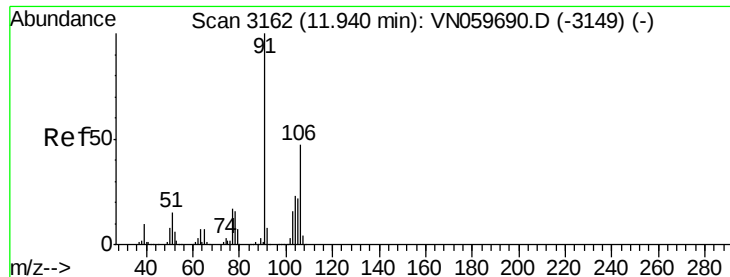
MMDadoda
2/4/2020 11:20:21 AM



#68
m/p-Xylenes
Concen: 96.872 ug/l
RT: 11.62 min Scan# 3061
Delta R.T. 0.00 min
Lab File: VN059963.D
Acq: 3 Feb 2020 9:57

Tgt Ion: 106 Resp: 355035
Ion Ratio Lower Upper
106 100
91 203.4 167.9 251.9





#69

o-Xylene

Concen: 48.369 ug/l

RT: 11.94 min Scan# 3162

Delta R.T. 0.00 min

Lab File: VN059963.D

Acq: 3 Feb 2020 9:57

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion:106 Resp: 173551

Ion Ratio Lower Upper

106 100

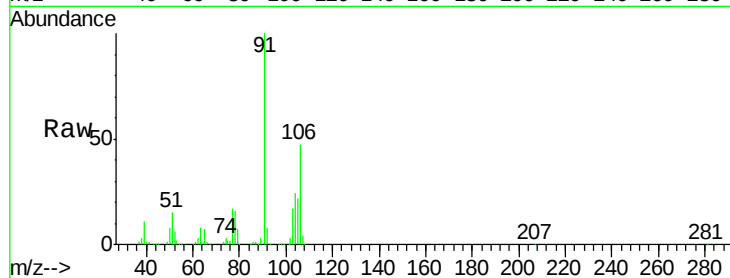
91 212.4 110.3 330.9

Manual Integrations

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MMDadoda

2/4/2020 11:20:21 AM



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN

250000

200000

150000

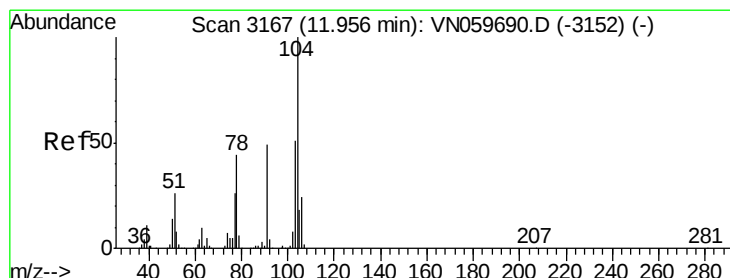
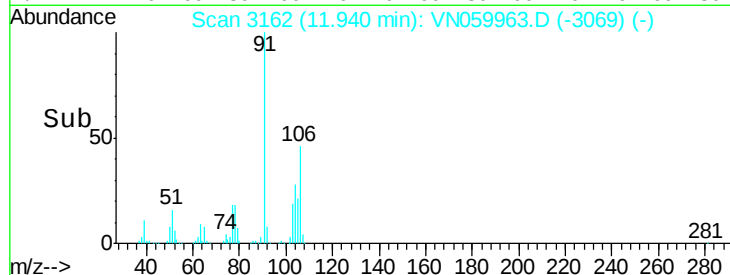
100000

50000

0

11.85 11.90 11.95 12.00

Time-->



#70

Styrene

Concen: 48.535 ug/l

RT: 11.96 min Scan# 3167

Delta R.T. 0.00 min

Lab File: VN059963.D

Acq: 3 Feb 2020 9:57

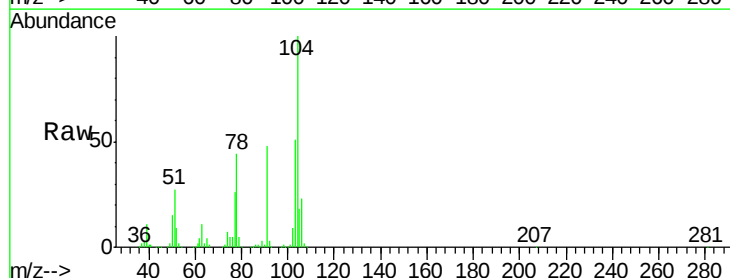
Tgt Ion:104 Resp: 291404

Ion Ratio Lower Upper

104 100

78 49.3 42.4 63.6

103 55.5 43.9 65.9



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VN

Ion 103.00 (102.70 to 103.70): V

200000

150000

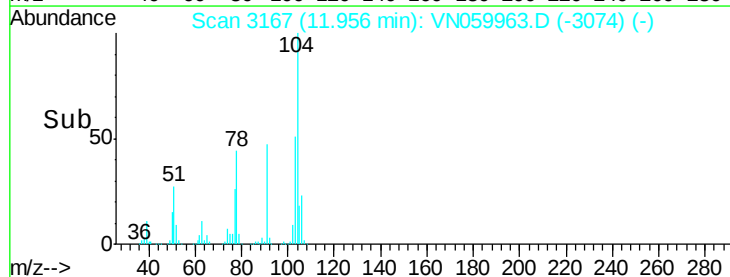
100000

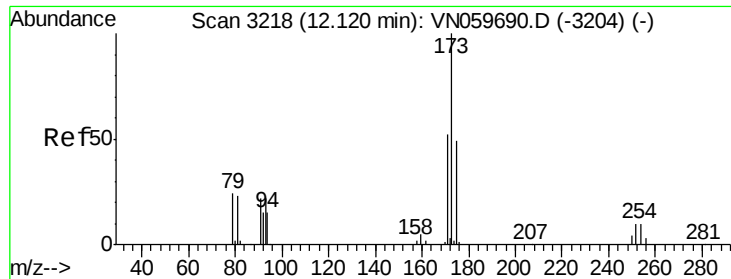
50000

0

11.90 11.95 12.00

Time-->





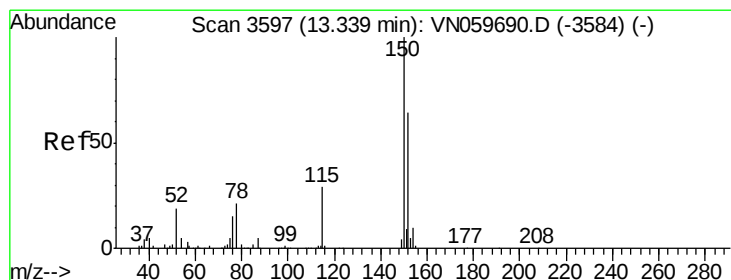
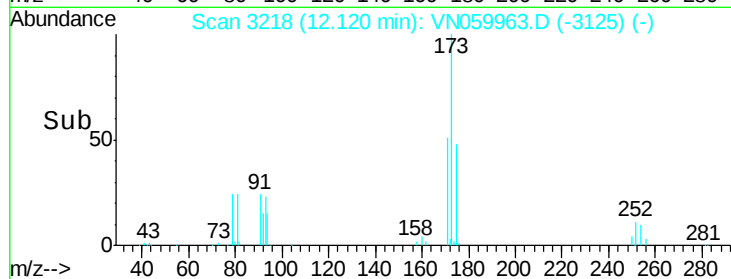
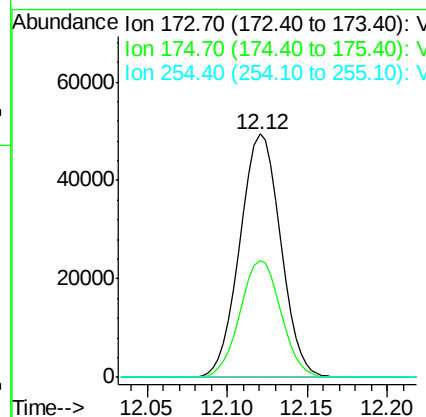
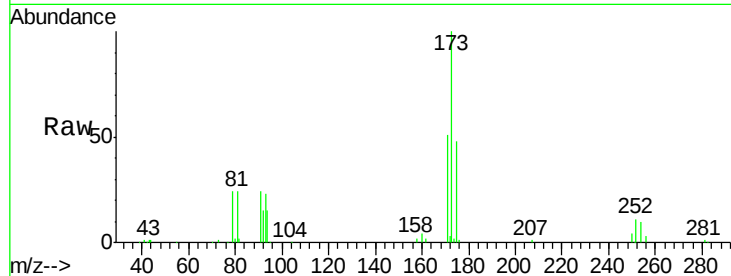
#71
Bromoform
Concen: 51.994 ug/l
RT: 12.12 min Scan# 3218
Delta R.T. 0.00 min
Lab File: VN059963.D
Acq: 3 Feb 2020 9:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.3	23.8	71.4
254	0.0	0.0	0.0

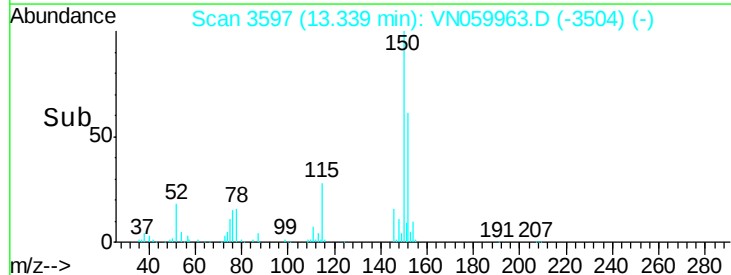
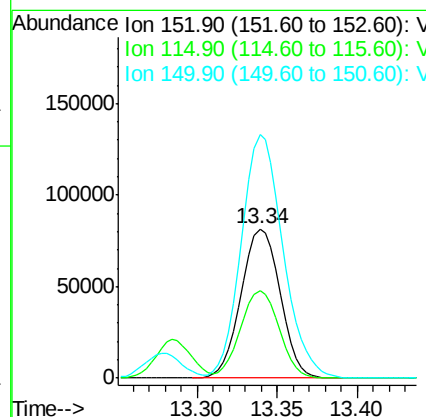
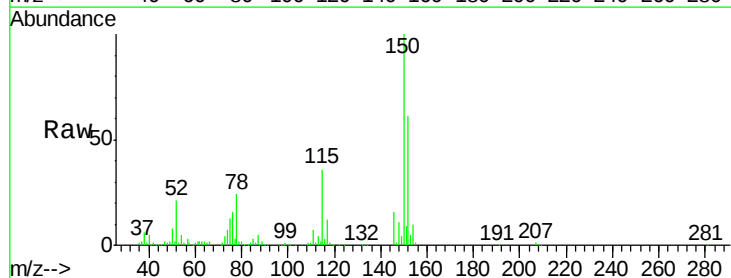
Manual Integrations
APPROVED

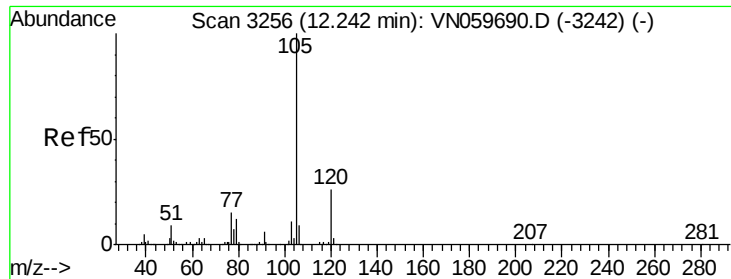
MMDadoda
2/4/2020 11:20:21 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. 0.00 min
Lab File: VN059963.D
Acq: 3 Feb 2020 9:57

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.1	30.3	90.9
150	174.3	0.0	345.2





#73

Isopropylbenzene

Concen: 47.581 ug/l

RT: 12.24 min Scan# 3256

Delta R.T. 0.00 min

Lab File: VN059963.D

Acq: 3 Feb 2020 9:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 474567

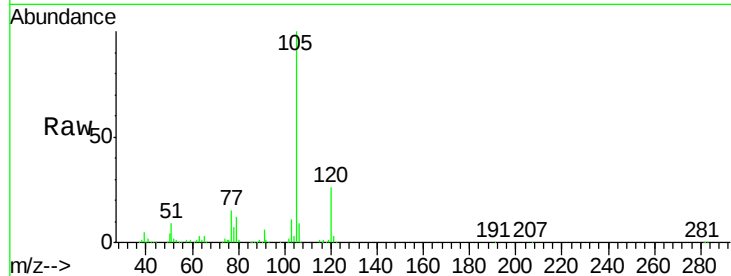
Ion Ratio Lower Upper

105 100

120 26.5 13.2 39.5

Manual Integrations
APPROVED

MMDadoda
2/4/2020 11:20:21 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.24

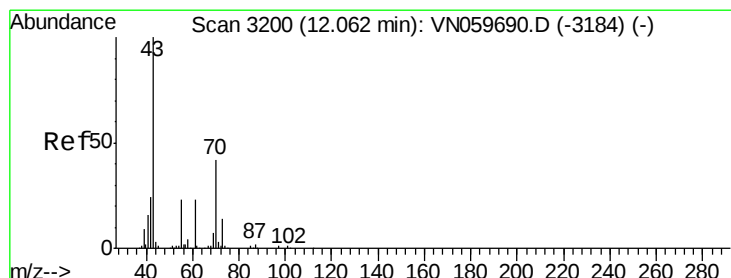
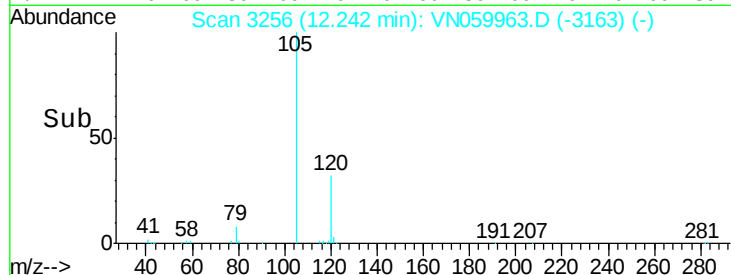
300000

200000

100000

0

Time-->



#74

N-ethyl acetate

Concen: 44.757 ug/l

RT: 12.06 min Scan# 3200

Delta R.T. 0.00 min

Lab File: VN059963.D

Acq: 3 Feb 2020 9:57

Tgt Ion: 43 Resp: 173214

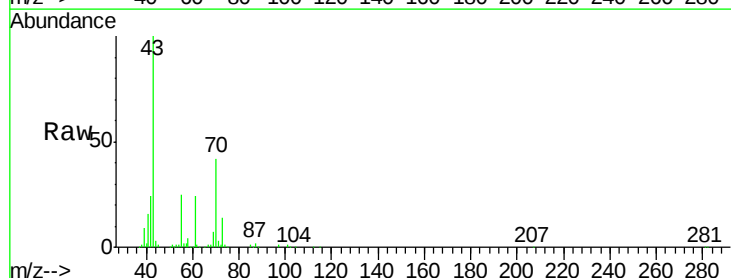
Ion Ratio Lower Upper

43 100

70 42.8 31.3 46.9

55 24.3 19.8 29.6

61 24.3 18.3 27.5



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

12.06

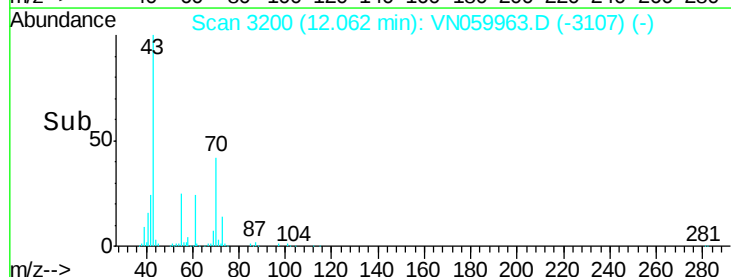
150000

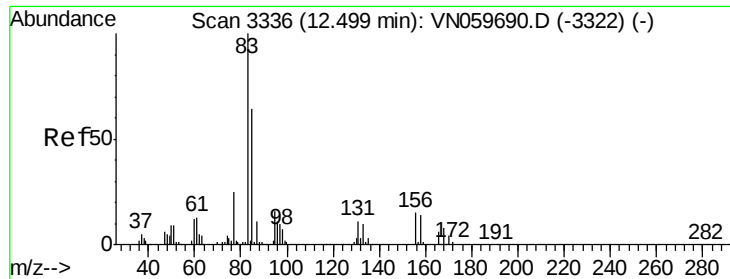
100000

50000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 47.074 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN059963.D

Acq: 3 Feb 2020 9:57

Instrument :

MSVOA_N

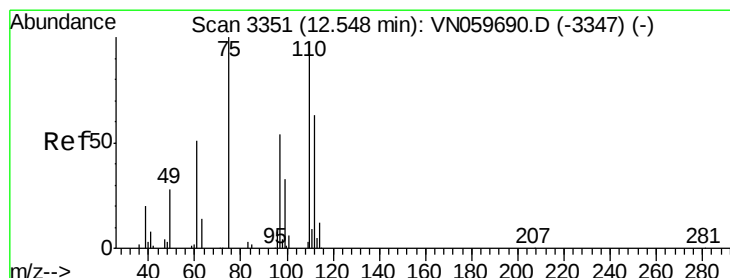
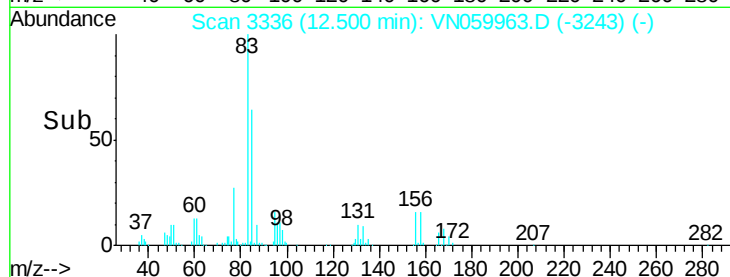
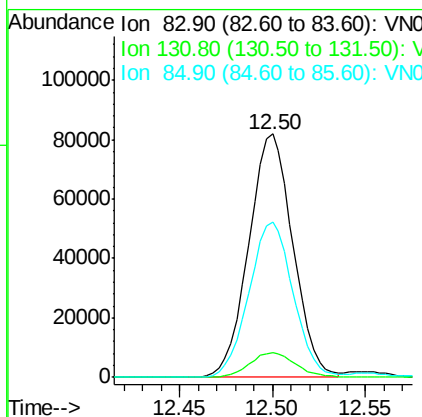
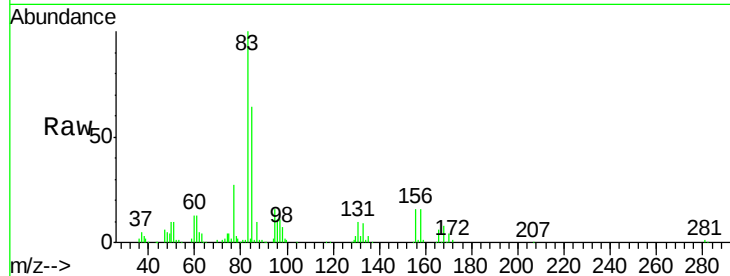
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	136110
Ion Ratio	Lower	Upper	
83	100		
131	10.6	5.0	14.9
85	64.0	31.9	95.5

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#76

1,2,3-Trichloropropane

Concen: 53.969 ug/l m

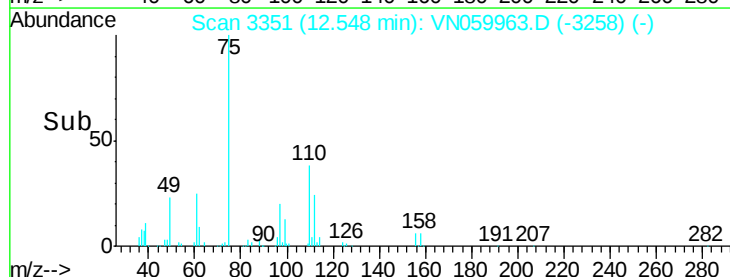
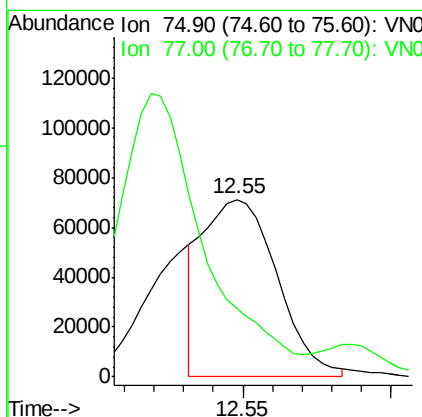
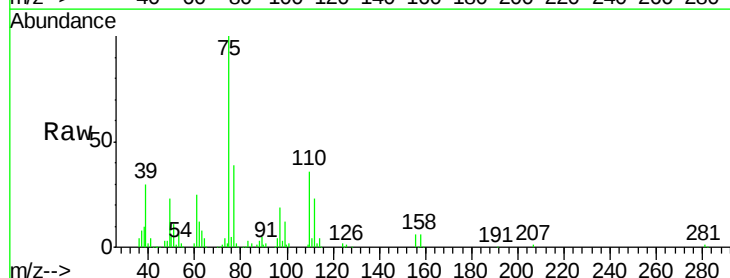
RT: 12.55 min Scan# 3351

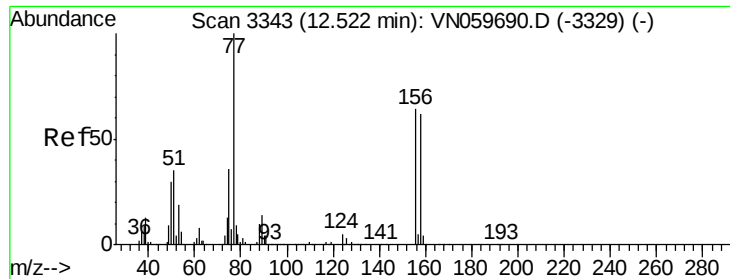
Delta R.T. 0.00 min

Lab File: VN059963.D

Acq: 3 Feb 2020 9:57

Tgt Ion:	75	Resp:	123516
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 47.703 ug/l

RT: 12.52 min Scan# 3342

Delta R.T. -0.00 min

Lab File: VN059963.D

Acq: 3 Feb 2020 9:57

Instrument :

MSVOA_N

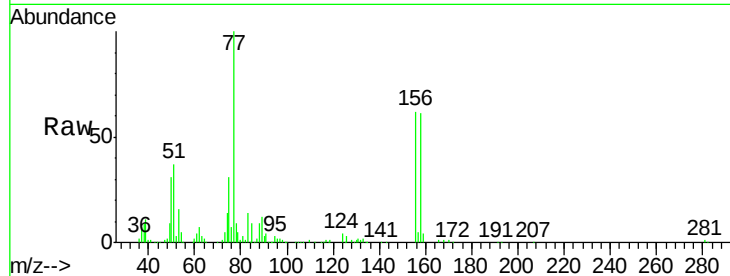
ClientSampled :

VSTDCCC050

Tot Ion:	156	Resp:	120487
Ion Ratio	Lower	Upper	
156	100		
77	193.4	115.8	347.4
158	97.1	49.2	147.6

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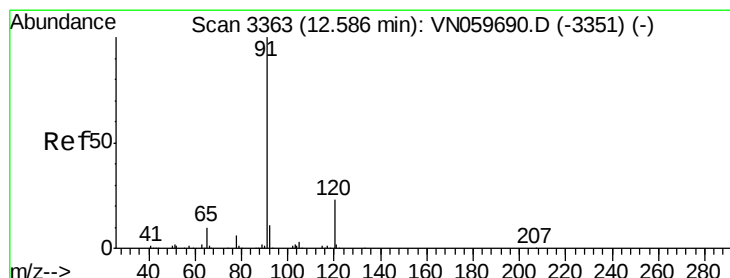
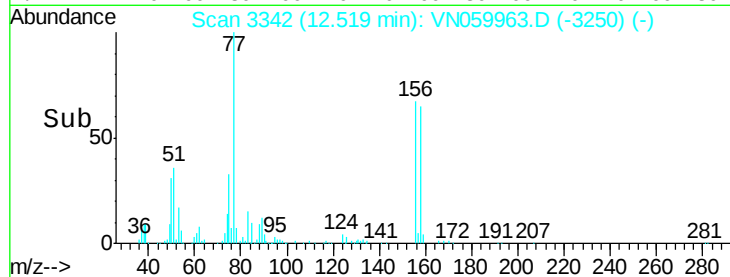
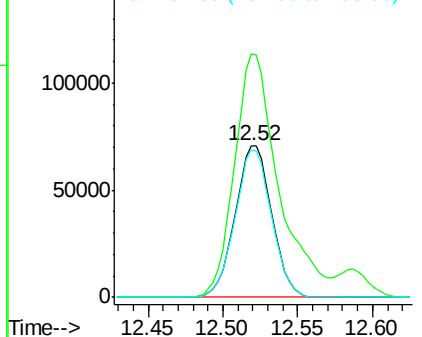
MMDadoda
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 48.885 ug/l

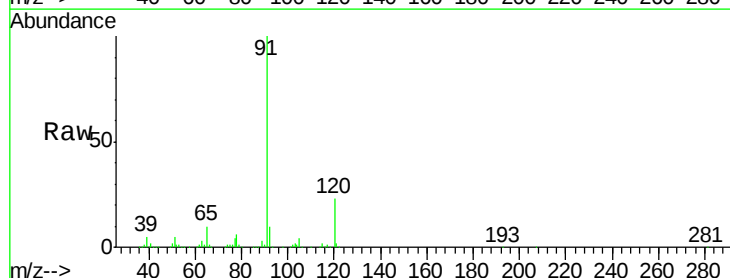
RT: 12.59 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN059963.D

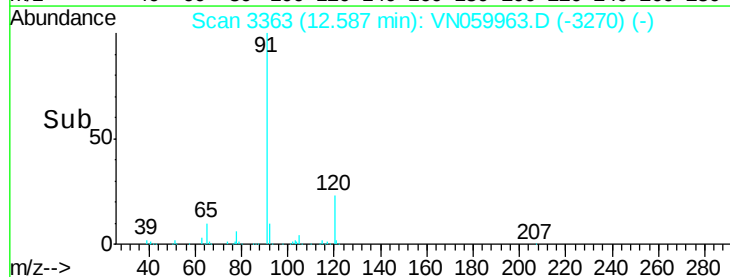
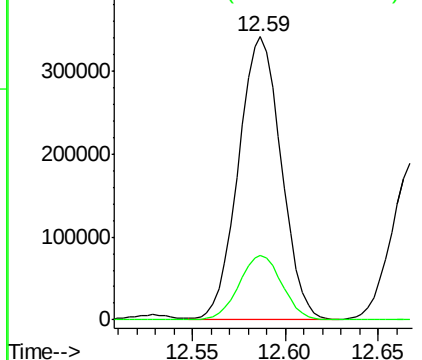
Acq: 3 Feb 2020 9:57

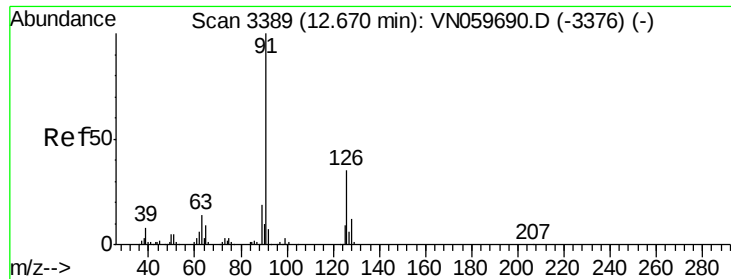
Tgt Ion:	91	Resp:	547248
Ion Ratio	Lower	Upper	
91	100		
120	22.8	11.1	33.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





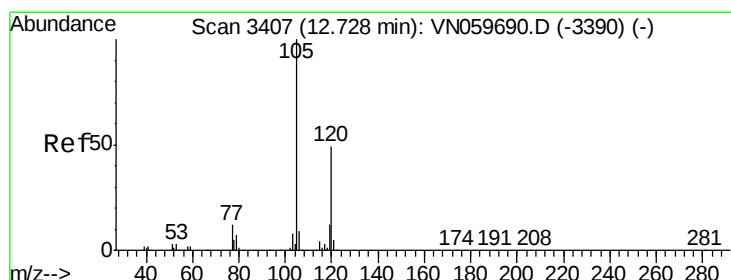
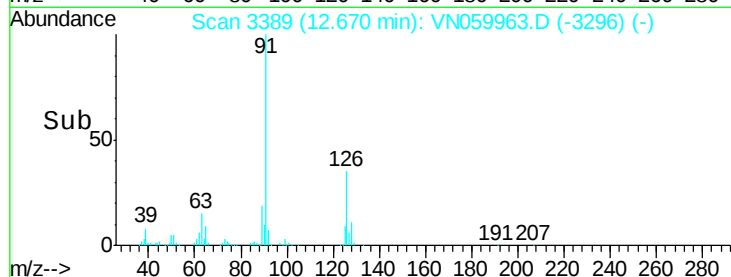
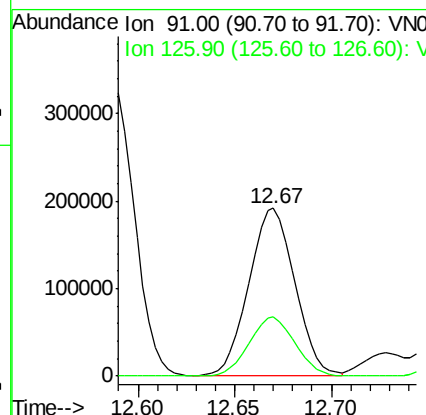
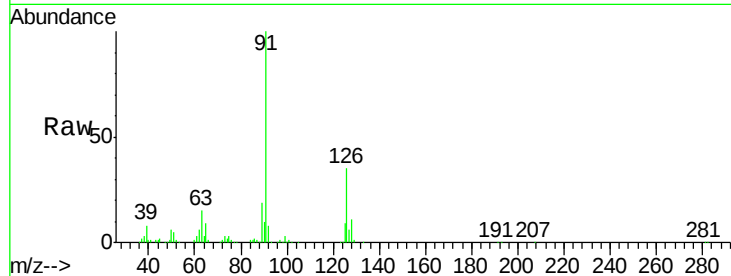
#79
 2-Chlorotoluene
 Concen: 47.840 ug/l
 RT: 12.67 min Scan# 3389
 Delta R.T. 0.00 min
 Lab File: VN059963.D
 Acq: 3 Feb 2020 9:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
126	35.0	16.3	48.9

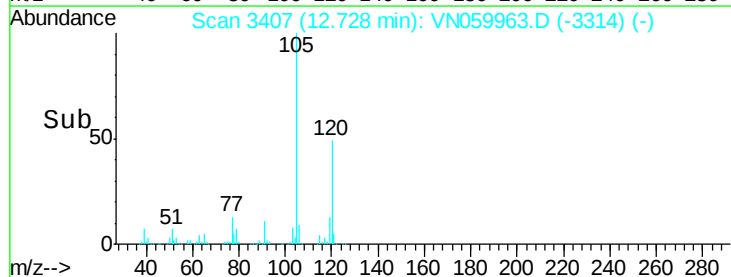
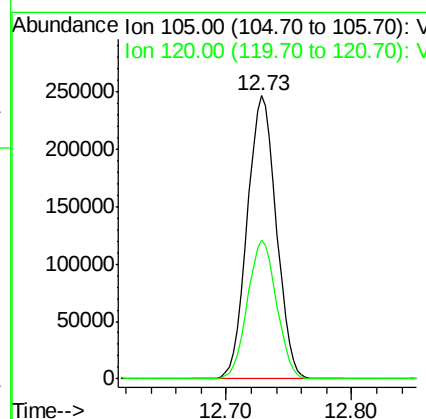
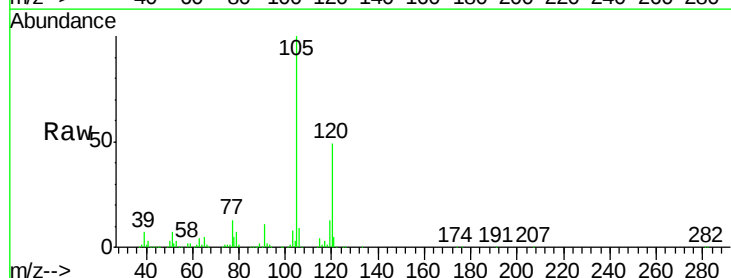
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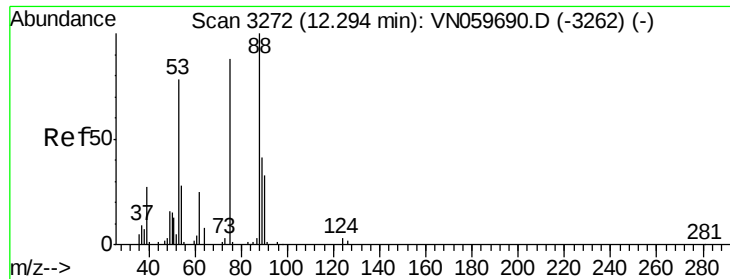
MMDadoda
 2/4/2020 11:20:21 AM



#80
 1,3,5-Trimethylbenzene
 Concen: 47.274 ug/l
 RT: 12.73 min Scan# 3407
 Delta R.T. 0.00 min
 Lab File: VN059963.D
 Acq: 3 Feb 2020 9:57

Tgt Ion	Ratio	Lower	Upper
105	100		
120	49.0	24.1	72.4





#81

trans-1,4-Dichloro-2-butene

Concen: 48.068 ug/l

RT: 12.29 min Scan# 3272

Delta R.T. 0.00 min

Lab File: VN059963.D

Acq: 3 Feb 2020 9:57

Instrument :

MSVOA_N

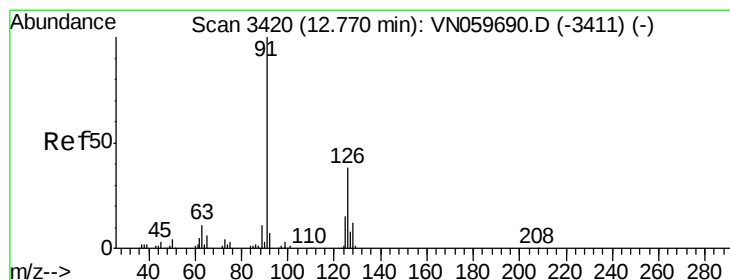
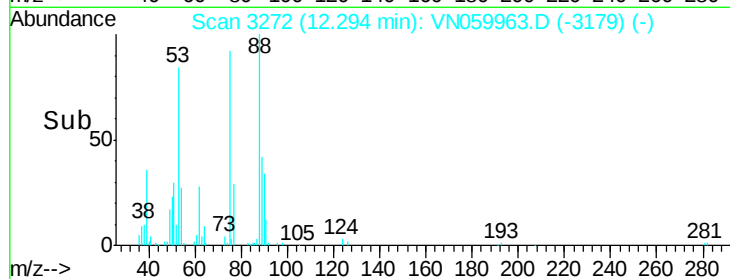
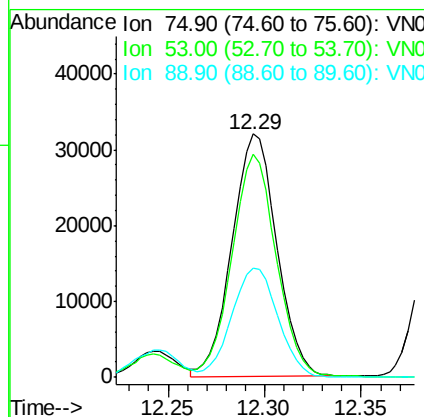
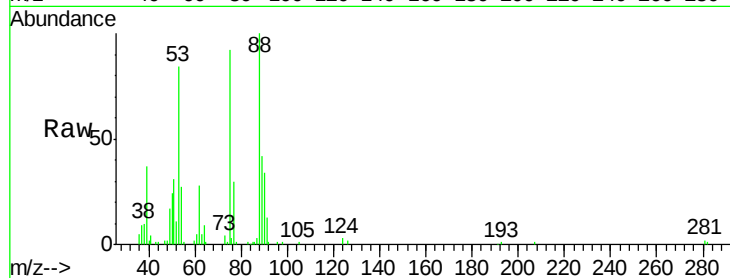
ClientSampleId :

VSTDCCC050

Tot Ion:	75	Resp:	51227
Ion	Ratio	Lower	Upper
75	100		
53	92.0	78.1	117.1
89	46.9	35.4	53.2

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#82

4-Chlorotoluene

Concen: 49.388 ug/l

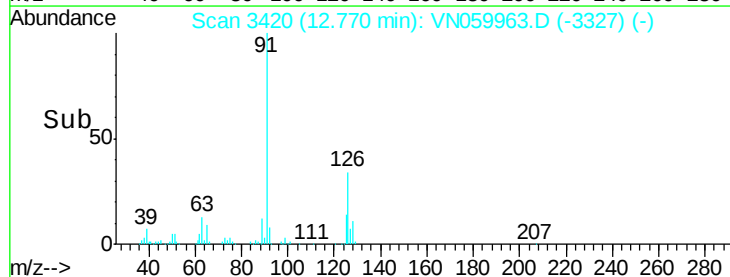
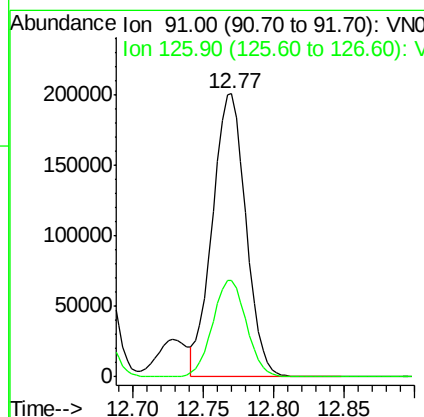
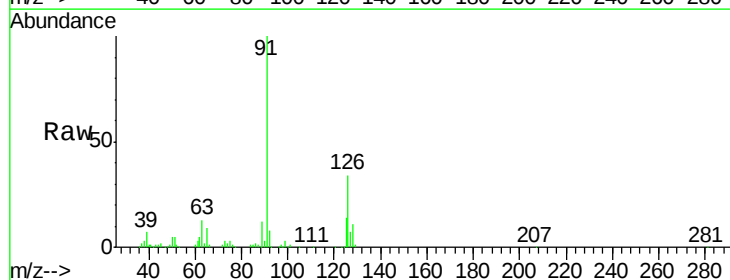
RT: 12.77 min Scan# 3420

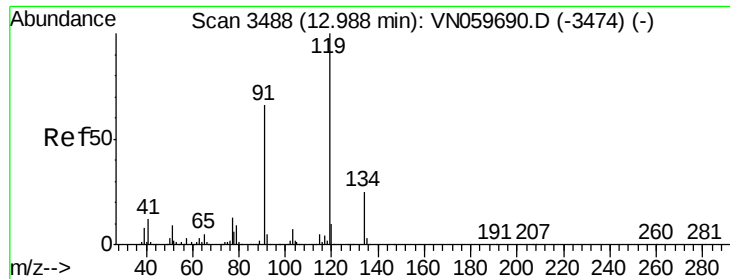
Delta R.T. 0.00 min

Lab File: VN059963.D

Acq: 3 Feb 2020 9:57

Tgt Ion:	91	Resp:	329897
Ion	Ratio	Lower	Upper
91	100		
126	34.4	16.3	48.8





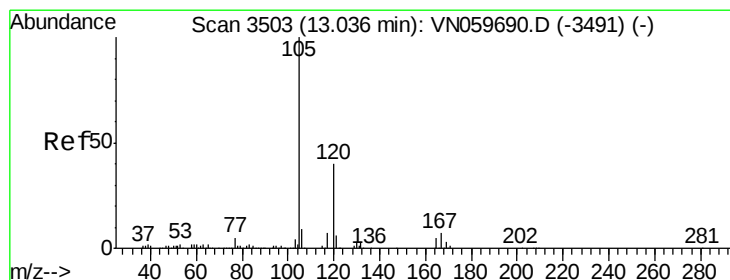
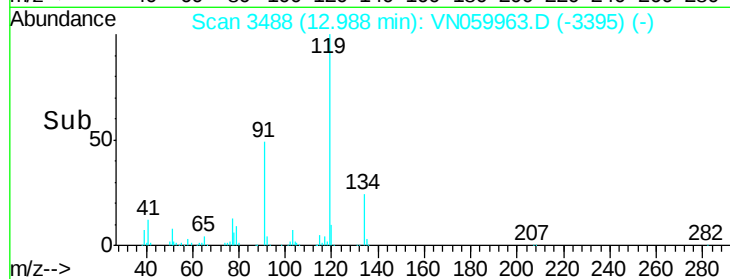
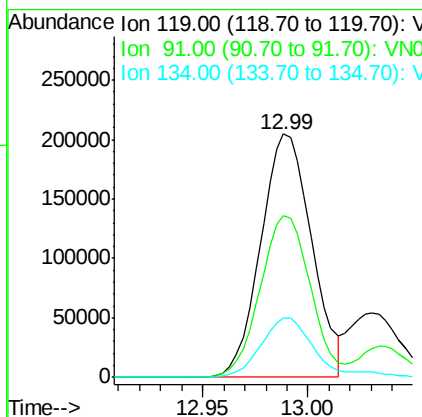
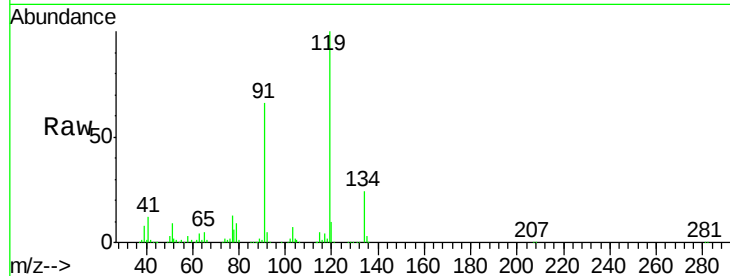
#83
 tert-Butylbenzene
 Concen: 47.472 ug/l
 RT: 12.99 min Scan# 3488
 Delta R.T. 0.00 min
 Lab File: VN059963.D
 Acq: 3 Feb 2020 9:57

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	65.5	34.8	104.4
134	25.7	12.3	36.9

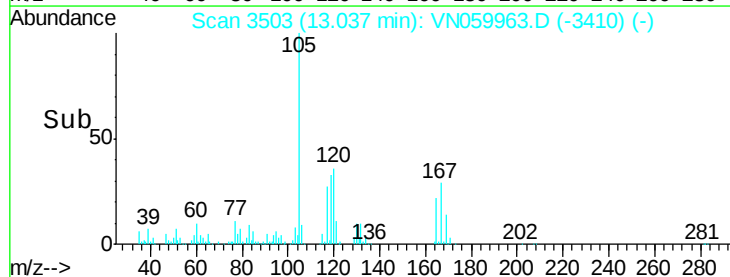
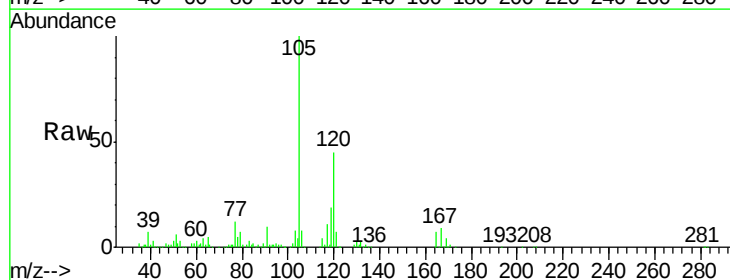
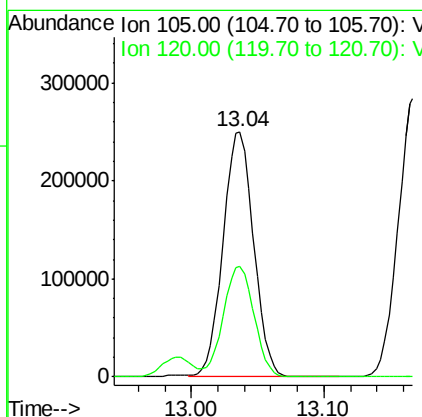
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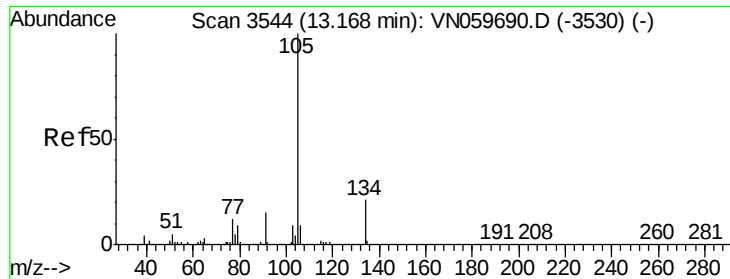
MMDadoda
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#84
 1,2,4-Trimethylbenzene
 Concen: 48.186 ug/l
 RT: 13.04 min Scan# 3503
 Delta R.T. 0.00 min
 Lab File: VN059963.D
 Acq: 3 Feb 2020 9:57

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.4	22.3	66.9





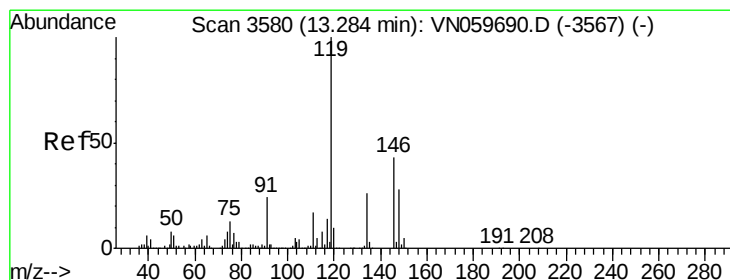
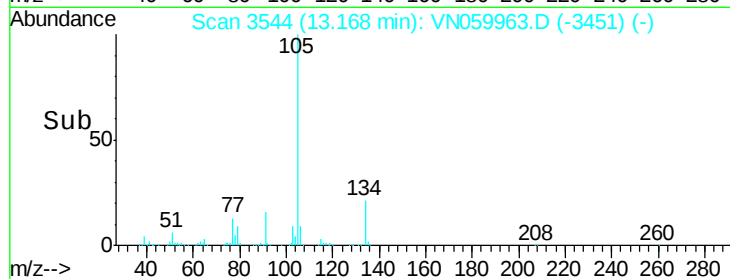
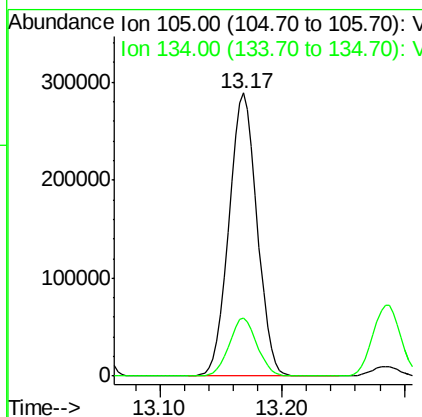
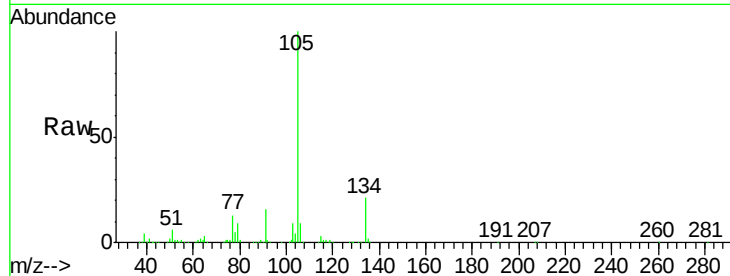
#85
 sec-Butylbenzene
 Concen: 48.656 ug/l
 RT: 13.17 min Scan# 3544
 Delta R.T. 0.00 min
 Lab File: VN059963.D
 Acq: 3 Feb 2020 9:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
105	100	463756		
134	20.2	9.8	29.5	

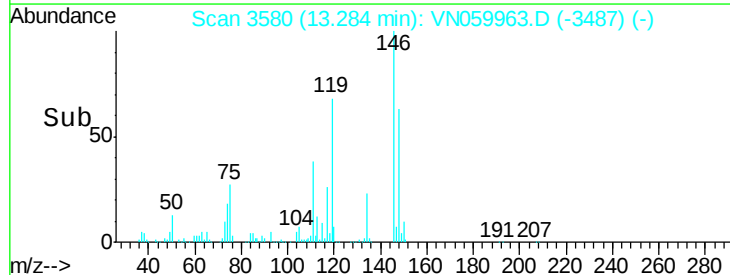
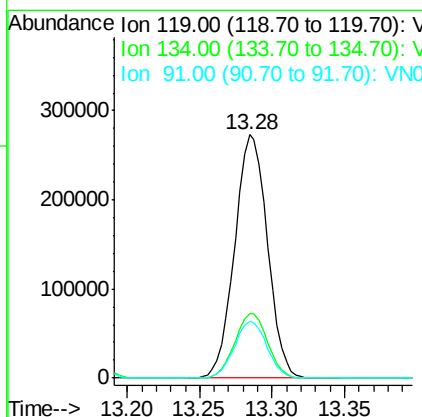
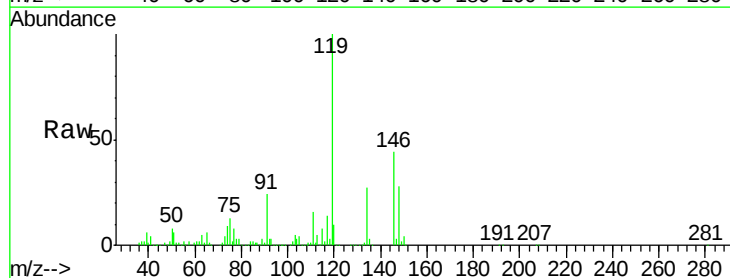
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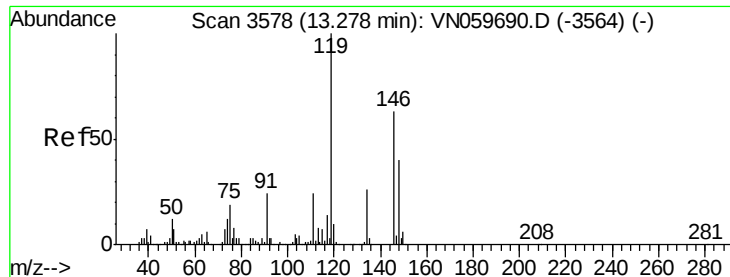
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#86
 p-Isopropyltoluene
 Concen: 48.273 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN059963.D
 Acq: 3 Feb 2020 9:57

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	425739		
134	26.9	12.9	38.7	
91	23.6	12.4	37.4	





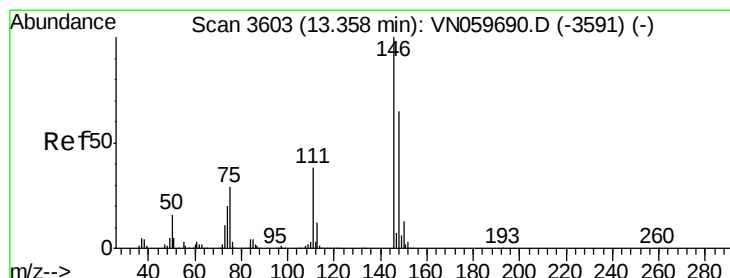
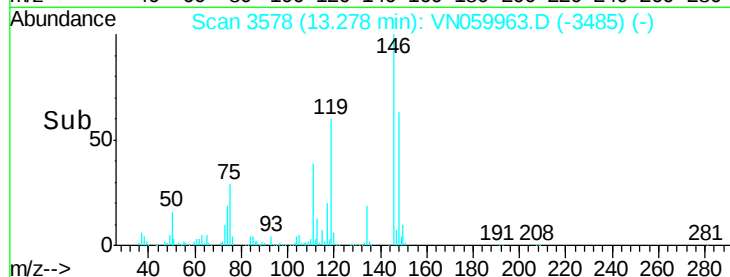
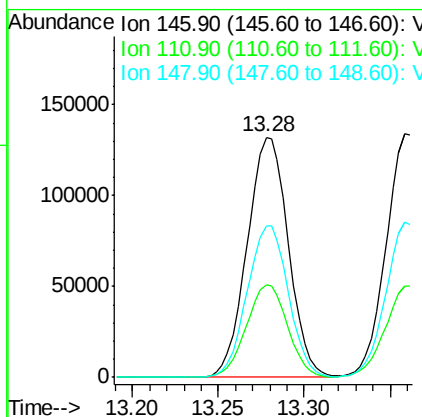
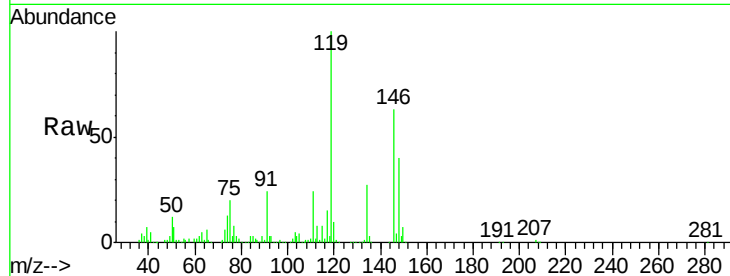
#87
 1,3-Dichlorobenzene
 Concen: 49.867 ug/l
 RT: 13.28 min Scan# 3578
 Delta R.T. 0.00 min
 Lab File: VN059963.D
 Acq: 3 Feb 2020 9:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.6	20.8	62.2
148	63.4	32.0	96.0

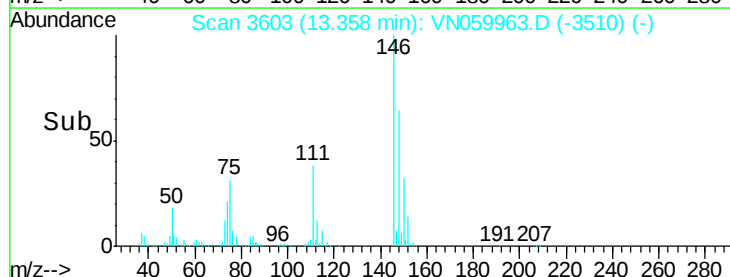
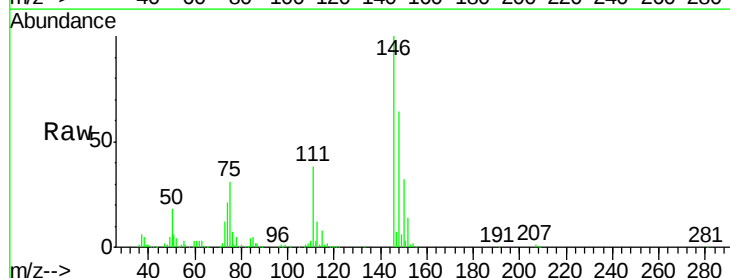
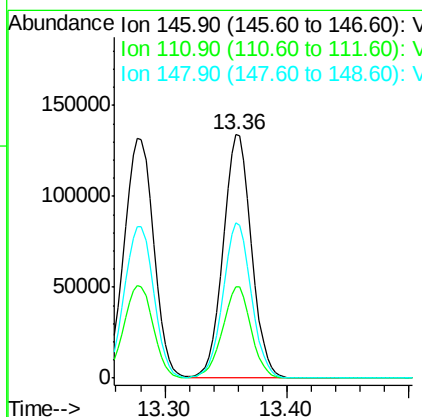
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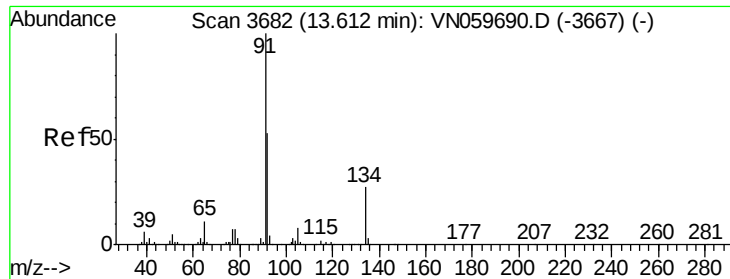
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#88
 1,4-Dichlorobenzene
 Concen: 49.916 ug/l
 RT: 13.36 min Scan# 3603
 Delta R.T. 0.00 min
 Lab File: VN059963.D
 Acq: 3 Feb 2020 9:57

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.9	20.8	62.2
148	63.8	31.8	95.4





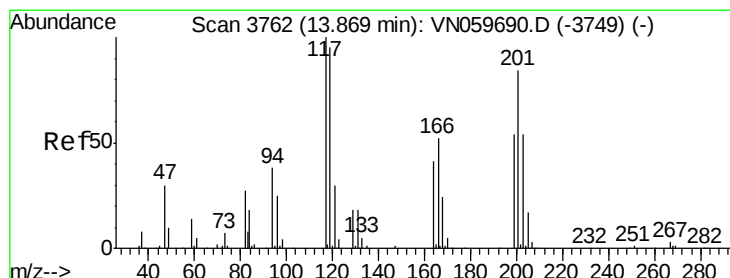
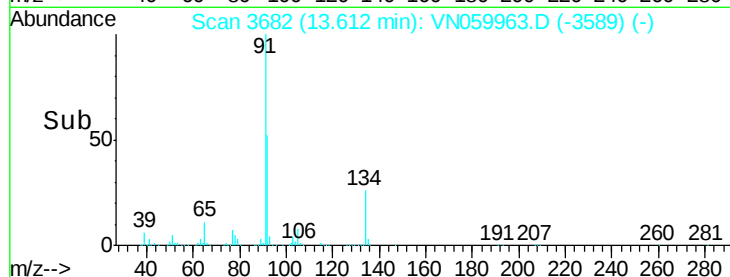
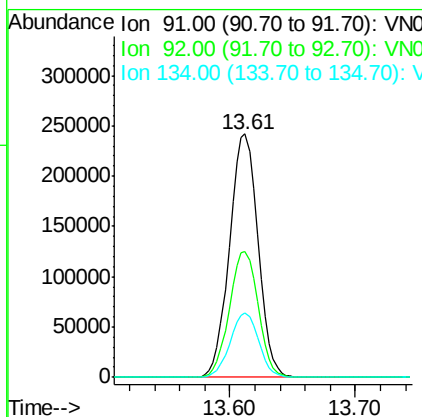
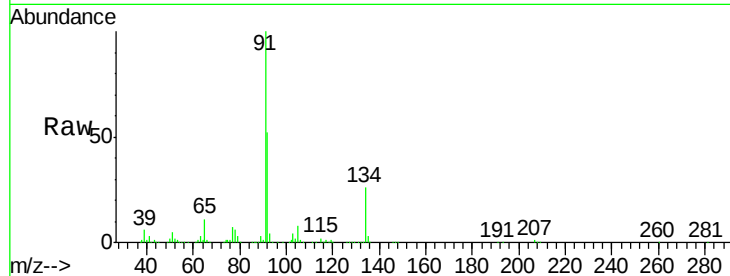
#89
n-Butylbenzene
Concen: 50.737 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN059963.D
Acq: 3 Feb 2020 9:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.2	25.9	77.7
134	26.5	12.3	36.8

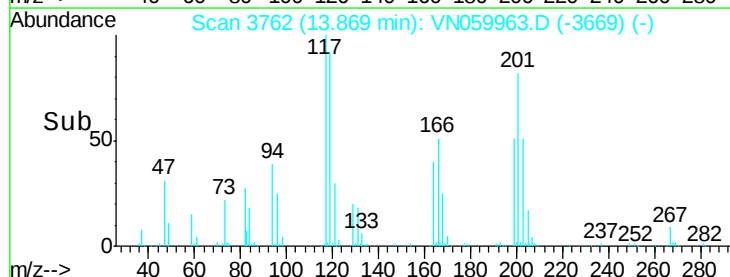
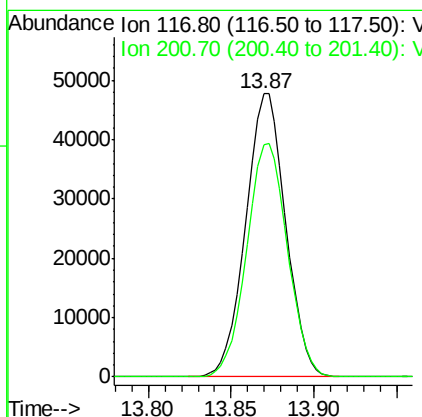
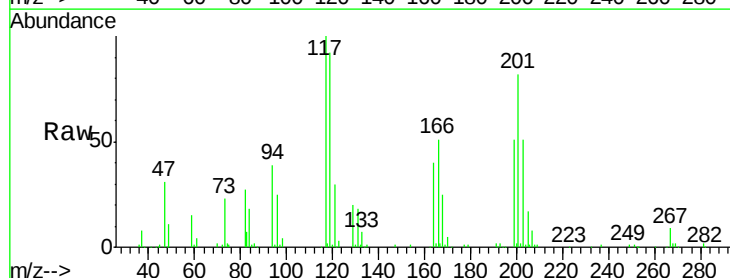
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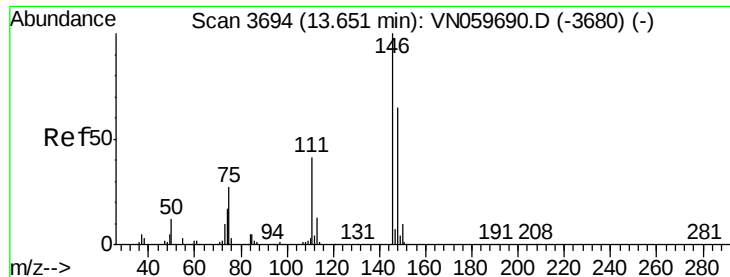
MMDadoda
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#90
Hexachloroethane
Concen: 48.453 ug/l
RT: 13.87 min Scan# 3762
Delta R.T. 0.00 min
Lab File: VN059963.D
Acq: 3 Feb 2020 9:57

Tgt Ion	Ratio	Lower	Upper
117	100		
201	83.9	37.8	113.4





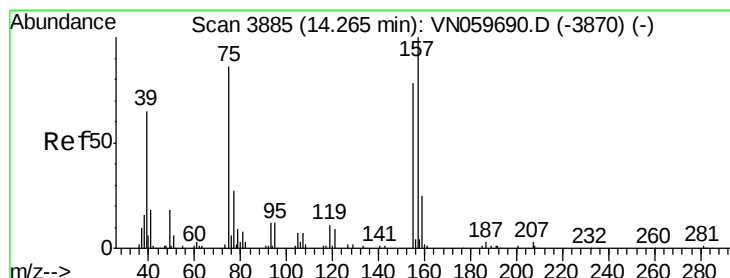
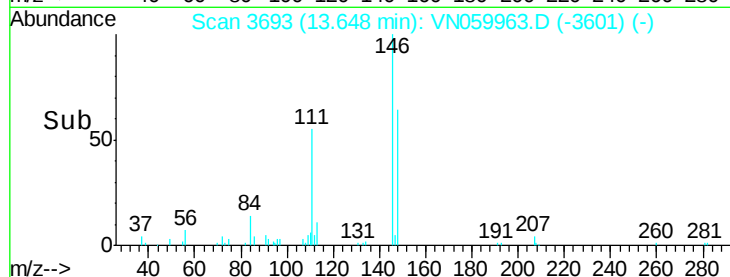
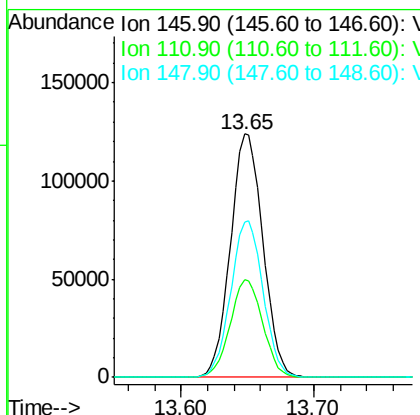
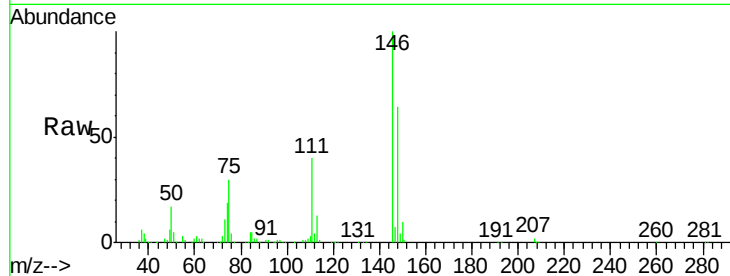
#91
 1,2-Dichlorobenzene
 Concen: 48.594 ug/l
 RT: 13.65 min Scan# 3693
 Delta R.T. -0.00 min
 Lab File: VN059963.D
 Acq: 3 Feb 2020 9:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	210773		
111	40.2		21.6	64.8
148	64.1		31.6	95.0

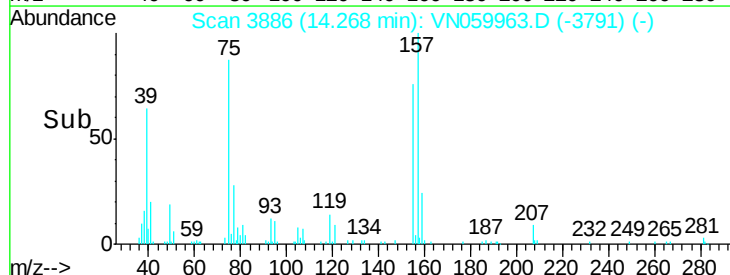
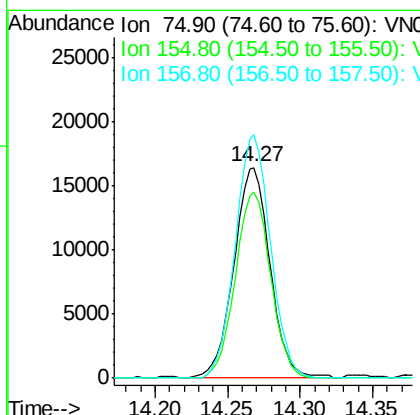
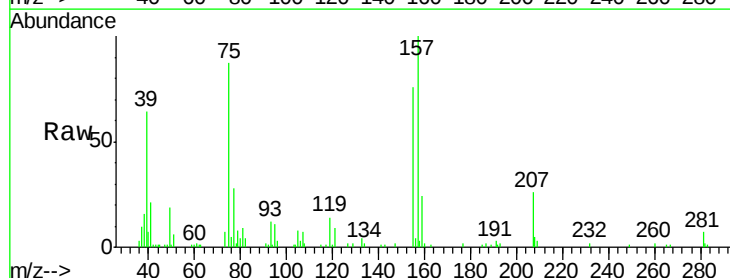
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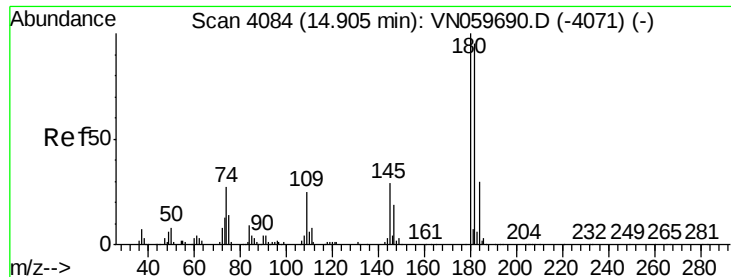
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 45.543 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN059963.D
 Acq: 3 Feb 2020 9:57

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	28380		
155	86.3		37.0	110.9
157	112.7		48.4	145.2





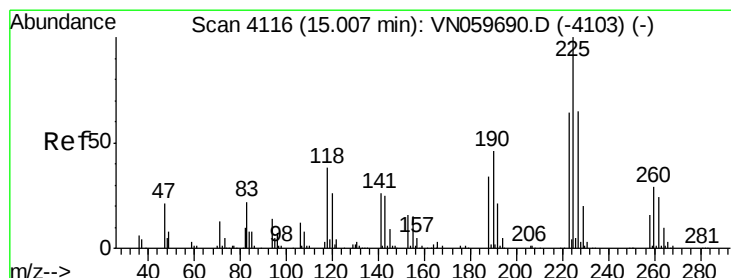
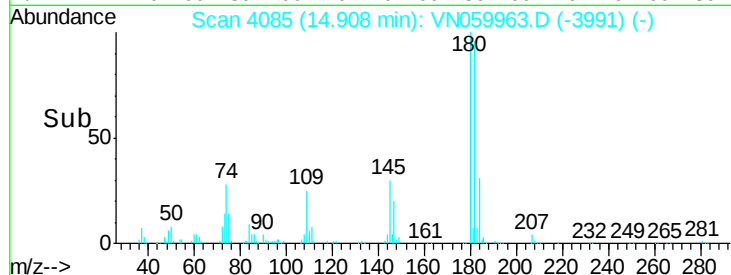
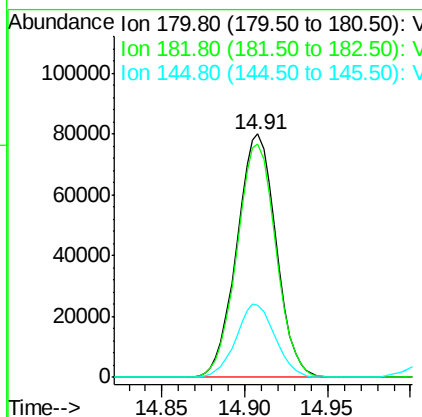
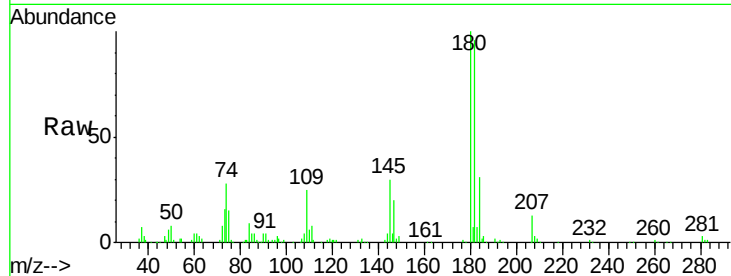
#93
1,2,4-Trichlorobenzene
Concen: 50.581 ug/l
RT: 14.91 min Scan# 4085
Delta R.T. 0.00 min
Lab File: VN059963.D
Acq: 3 Feb 2020 9:57

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	95.7	46.9	140.7	
145	30.0	15.0	45.1	

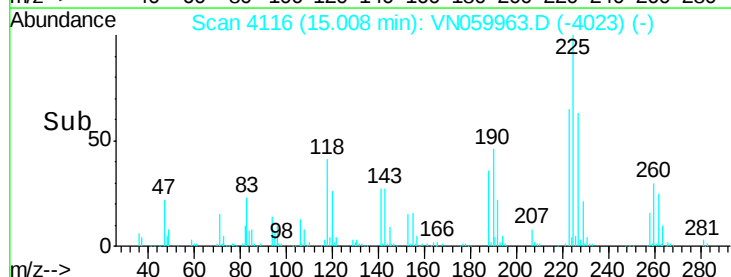
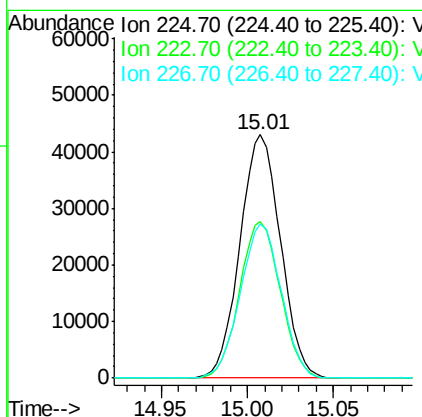
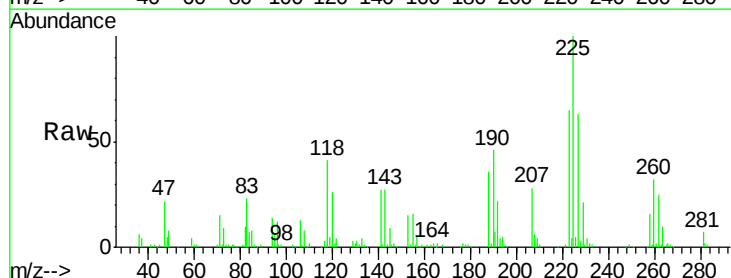
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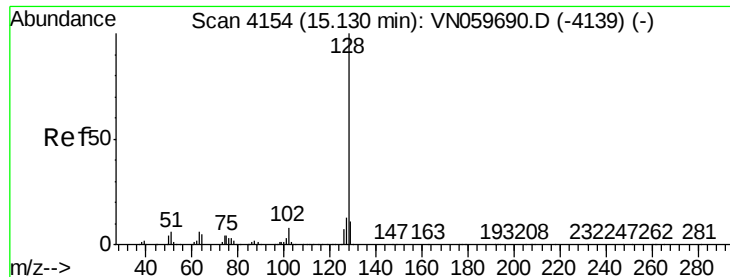
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#94
Hexachlorobutadiene
Concen: 49.159 ug/l
RT: 15.01 min Scan# 4116
Delta R.T. 0.00 min
Lab File: VN059963.D
Acq: 3 Feb 2020 9:57

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	64.5	31.8	95.3	
227	63.8	32.1	96.5	





#95

Naphthalene

Concen: 46.748 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN059963.D

Acq: 3 Feb 2020 9:57

Instrument :

MSVOA_N

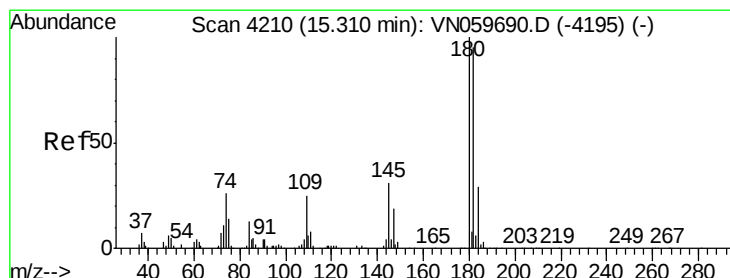
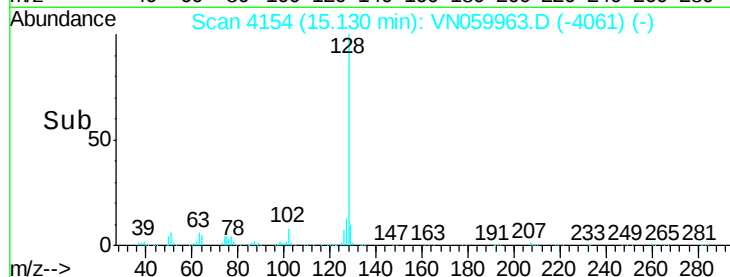
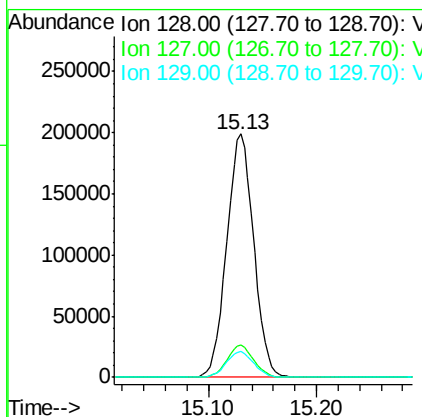
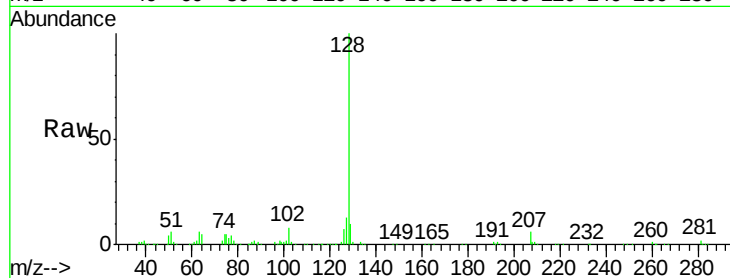
ClientSampleId :

VSTDCCC050

Tot Ion:	128	Resp:	346549
Ion Ratio	Lower	Upper	
128	100		
127	13.0	10.4	15.6
129	10.7	8.6	12.8

Manual Integrations
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#96

1,2,3-Trichlorobenzene

Concen: 49.583 ug/l

RT: 15.31 min Scan# 4210

Delta R.T. 0.00 min

Lab File: VN059963.D

Acq: 3 Feb 2020 9:57

Tgt Ion:	180	Resp:	125784
Ion Ratio	Lower	Upper	
180	100		
182	93.6	47.4	142.3
145	30.9	16.3	48.9

