

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN013120\
 Data File : VN059938.D
 Acq On : 31 Jan 2020 10:54
 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 12:50:37 PM

Quant Time: Feb 03 01:57:27 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	185707	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	283370	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	259959	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	130397	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	101019	48.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.96%	
35) Dibromofluoromethane	7.56	113	85182	50.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.82%	
50) Toluene-d8	10.08	98	324519	49.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.12%	
62) 4-Bromofluorobenzene	12.40	95	121463	51.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.92%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	96383	43.958	ug/l	95
3) Chloromethane	2.04	50	91907	43.228	ug/l	96
4) Vinyl Chloride	2.17	62	120120	49.379	ug/l	99
5) Bromomethane	2.54	94	72126	48.584	ug/l	96
6) Chloroethane	2.68	64	56726	49.289	ug/l	99
7) Trichlorofluoromethane	3.00	101	143942	49.271	ug/l	97
8) Diethyl Ether	3.38	74	52497	51.204	ug/l	81
9) 1,1,2-Trichlorotrifluoroet	3.74	101	85568	52.626	ug/l	93
10) Methyl Iodide	3.93	142	114565	43.590	ug/l	95
11) Tert butyl alcohol	4.72	59	69915	201.379	ug/l	99
12) 1,1-Dichloroethene	3.72	96	80559	47.415	ug/l	90
13) Acrolein	3.57	56	38107	155.056	ug/l	95
14) Allyl chloride	4.29	41	113011	49.348	ug/l #	85
15) Acrylonitrile	4.94	53	190765	240.881	ug/l	100
16) Acetone	3.78	43	234303	336.567	ug/l	96
17) Carbon Disulfide	4.03	76	199880	41.298	ug/l	100
18) Methyl Acetate	4.28	43	117656	48.842	ug/l	92
19) Methyl tert-butyl Ether	5.00	73	281455	50.808	ug/l	95
20) Methylene Chloride	4.52	84	92301	49.454	ug/l	89
21) trans-1,2-Dichloroethene	5.00	96	86094	47.670	ug/l	88
22) Diisopropyl ether	5.91	45	265789	51.214	ug/l	95
23) Vinyl Acetate	5.85	43	1003340	249.703	ug/l	95
24) 1,1-Dichloroethane	5.82	63	159839	50.405	ug/l	97
25) 2-Butanone	6.79	43	289338	247.746	ug/l	92
26) 2,2-Dichloropropane	6.79	77	154633	50.723	ug/l	96
27) cis-1,2-Dichloroethene	6.80	96	104916	50.507	ug/l	89
28) Bromochloromethane	7.17	49	64724	51.067	ug/l #	78
29) Tetrahydrofuran	7.18	42	159885	221.266	ug/l	89
30) Chloroform	7.34	83	171808	52.291	ug/l	98
31) Cyclohexane	7.63	56	133012	43.591	ug/l	91
32) 1,1,1-Trichloroethane	7.54	97	154105	50.727	ug/l	97
36) 1,1-Dichloropropene	7.77	75	123667	50.114	ug/l	96
37) Ethyl Acetate	6.89	43	106234	45.900	ug/l	97
38) Carbon Tetrachloride	7.75	117	137583	51.254	ug/l	99

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Quant Time: Feb 03 01:57:27 2020
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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	144716	47.561	ug/l	92
40) Benzene	8.02	78	366160	49.753	ug/l	99
41) Methacrylonitrile	7.14	41	49525m	43.443	ug/l	
42) 1,2-Dichloroethane	8.10	62	133353	53.442	ug/l	97
43) Isopropyl Acetate	8.14	43	187920	47.204	ug/l #	95
44) Trichloroethene	8.81	130	107182	53.349	ug/l	93
45) 1,2-Dichloropropane	9.10	63	95448	52.412	ug/l	98
46) Dibromomethane	9.19	93	66298	51.608	ug/l	92
47) Bromodichloromethane	9.38	83	139637	53.940	ug/l	100
48) Methyl methacrylate	9.18	41	82996	46.609	ug/l	88
49) 1,4-Dioxane	9.18	88	28937	887.692	ug/l	92
51) 4-Methyl-2-Pentanone	9.97	43	544150	236.454	ug/l	95
52) Toluene	10.14	92	239858	51.598	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	153797	53.207	ug/l	100
54) cis-1,3-Dichloropropene	9.82	75	165003	54.252	ug/l	93
55) 1,1,2-Trichloroethane	10.55	97	96099	52.196	ug/l	97
56) Ethyl methacrylate	10.42	69	138349	49.178	ug/l	93
57) 1,3-Dichloropropane	10.70	76	155402	53.165	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	260312	307.204	ug/l	92
59) 2-Hexanone	10.74	43	429040	253.066	ug/l	94
60) Dibromochloromethane	10.89	129	114618	54.668	ug/l	100
61) 1,2-Dibromoethane	10.99	107	99057	51.332	ug/l	99
64) Tetrachloroethene	10.62	164	107097	50.549	ug/l	97
65) Chlorobenzene	11.43	112	265738	52.008	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	104285	52.820	ug/l	99
67) Ethyl Benzene	11.50	91	476484	51.370	ug/l	98
68) m/p-Xylenes	11.61	106	359624	102.640	ug/l	95
69) o-Xylene	11.94	106	172653	50.333	ug/l	97
70) Styrene	11.96	104	293915	51.206	ug/l	97
71) Bromoform	12.12	173	84786	53.612	ug/l #	99
73) Isopropylbenzene	12.24	105	474405	49.607	ug/l	99
74) N-amyl acetate	12.06	43	170604	45.975	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.50	83	131855	47.560	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	107842m	49.143	ug/l	
77) Bromobenzene	12.52	156	120477	49.747	ug/l	83
78) n-propylbenzene	12.59	91	542808	50.570	ug/l	97
79) 2-Chlorotoluene	12.67	91	314849	49.307	ug/l	95
80) 1,3,5-Trimethylbenzene	12.73	105	402597	50.058	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.29	75	49867	48.800	ug/l	96
82) 4-Chlorotoluene	12.77	91	329714	51.479	ug/l	96
83) tert-Butylbenzene	12.99	119	343290	49.352	ug/l	95
84) 1,2,4-Trimethylbenzene	13.03	105	398430	50.074	ug/l	98
85) sec-Butylbenzene	13.17	105	463070	50.670	ug/l	100
86) p-Isopropyltoluene	13.28	119	430113	50.863	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	218955	52.048	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	218113	51.973	ug/l	98
89) n-Butylbenzene	13.61	91	380751	52.807	ug/l	99
90) Hexachloroethane	13.87	117	80071	50.608	ug/l	90
91) 1,2-Dichlorobenzene	13.65	146	211248	50.795	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.27	75	26975	45.128	ug/l	85

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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	130832	52.354	ug/l	98
94) Hexachlorobutadiene	15.01	225	69684	50.602	ug/l	99
95) Naphthalene	15.13	128	325324	45.769	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	122557	50.385	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1824

Delta R.T. -0.00 min

Lab File: VN059938.D

Acq: 31 Jan 2020 10:54

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion:168 Resp: 185707

Ion Ratio Lower Upper

168 100

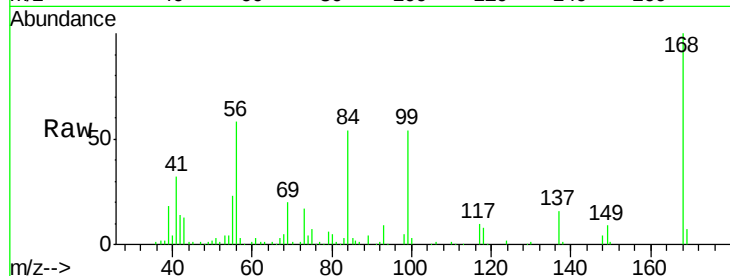
99 53.5 48.2 72.4

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.64

80000

60000

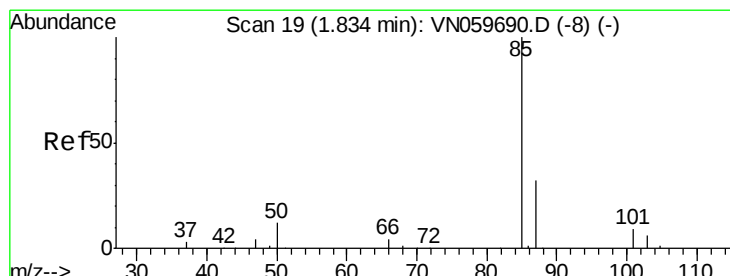
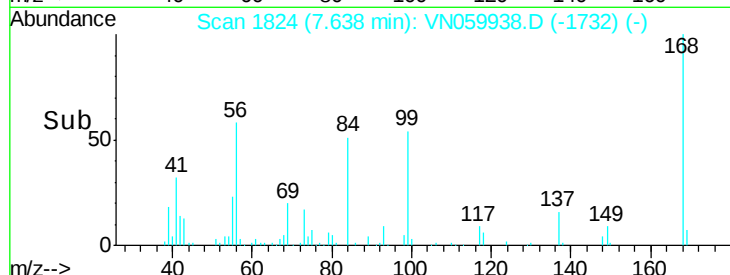
40000

20000

0

7.55 7.60 7.65 7.70 7.75

Time-->



#2

Dichlorodifluoromethane

Concen: 43.958 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN059938.D

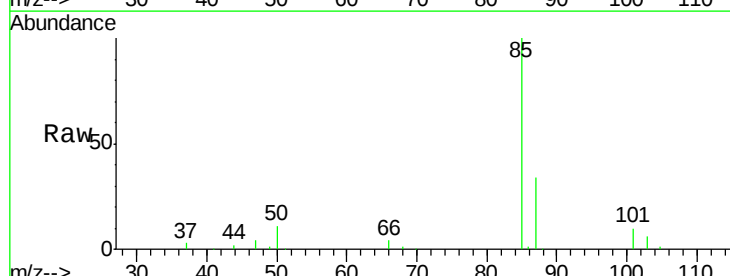
Acq: 31 Jan 2020 10:54

Tgt Ion: 85 Resp: 96383

Ion Ratio Lower Upper

85 100

87 34.4 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.83

80000

60000

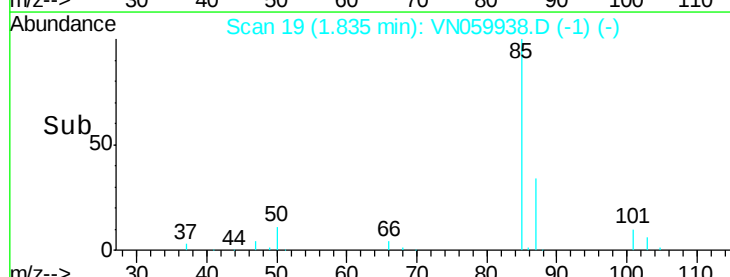
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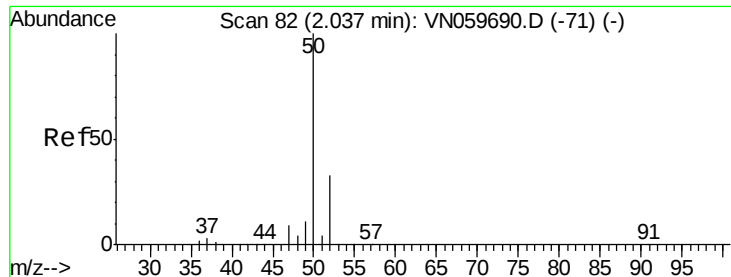
20000

0

1.75 1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 43.228 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN059938.D

Acq: 31 Jan 2020 10:54

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 91907

Ion Ratio Lower Upper

50 100

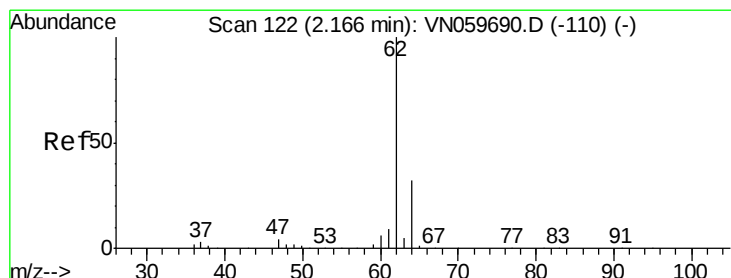
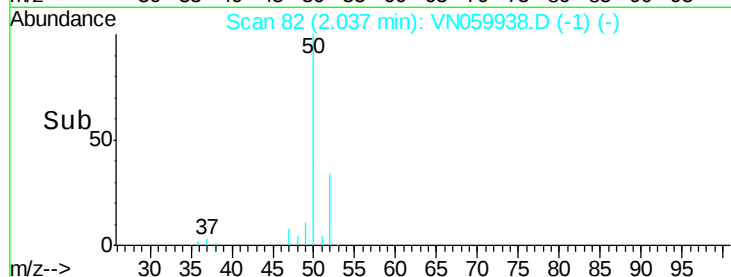
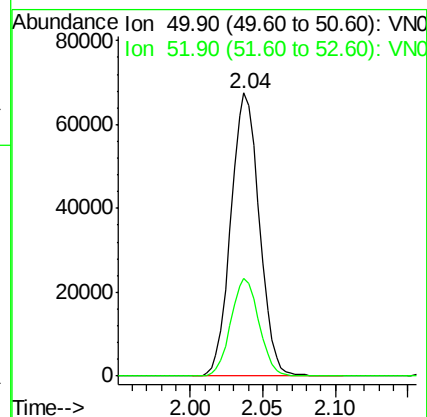
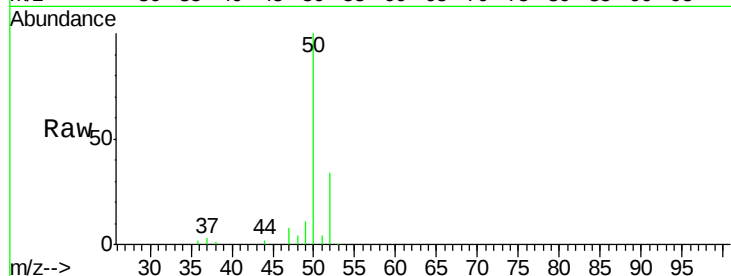
52 34.4 25.9 38.9

Manual Integrations

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#4

Vinyl Chloride

Concen: 49.379 ug/l

RT: 2.17 min Scan# 122

Delta R.T. 0.00 min

Lab File: VN059938.D

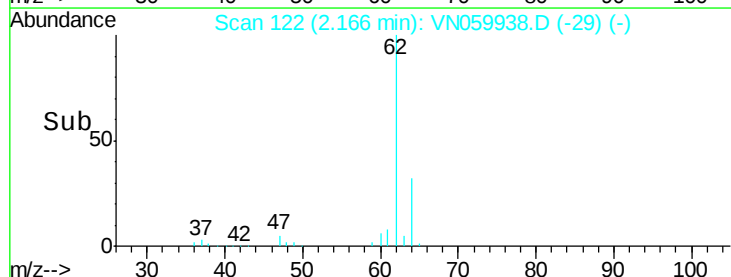
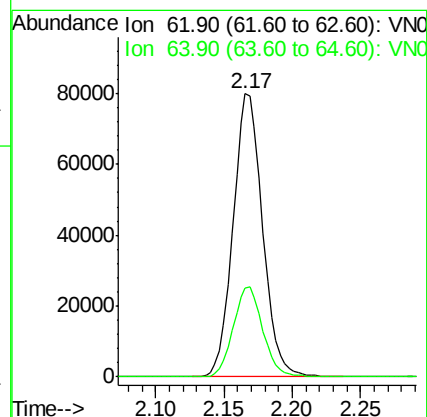
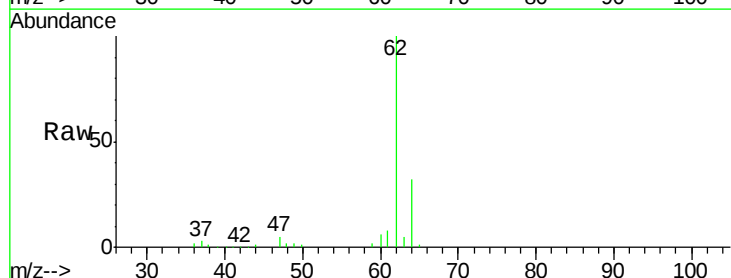
Acq: 31 Jan 2020 10:54

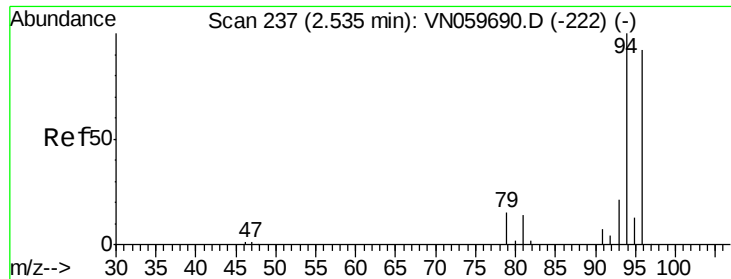
Tgt Ion: 62 Resp: 120120

Ion Ratio Lower Upper

62 100

64 31.6 24.6 37.0





#5

Bromomethane

Concen: 48.584 ug/l

RT: 2.54 min Scan# 238

Delta R.T. 0.00 min

Lab File: VN059938.D

Acq: 31 Jan 2020 10:54

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 72126

Ion Ratio Lower Upper

94 100

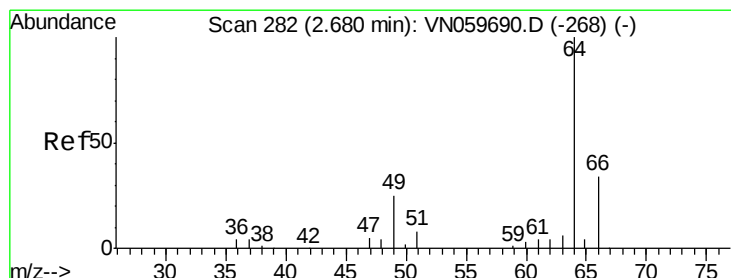
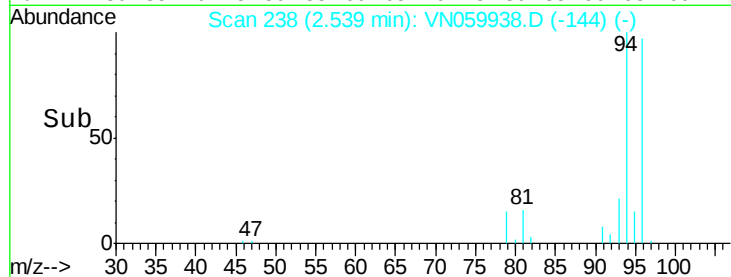
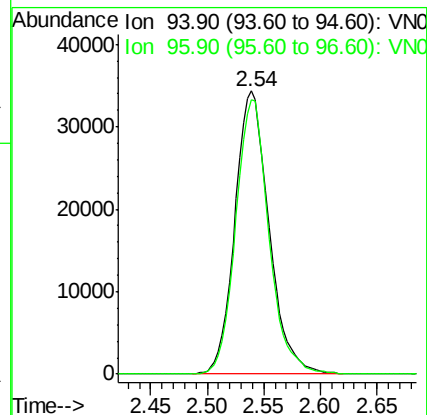
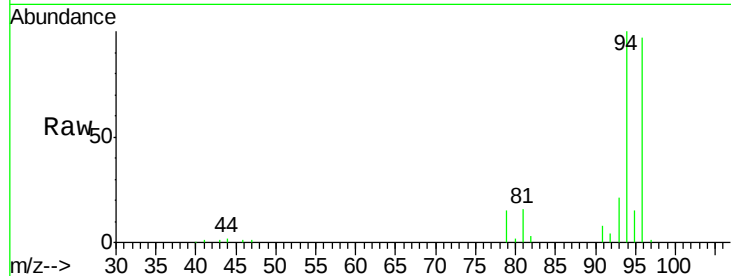
96 97.1 74.7 112.1

Manual Integrations

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#6

Chloroethane

Concen: 49.289 ug/l

RT: 2.68 min Scan# 283

Delta R.T. 0.00 min

Lab File: VN059938.D

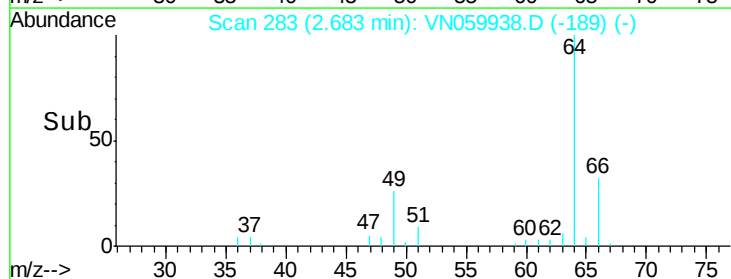
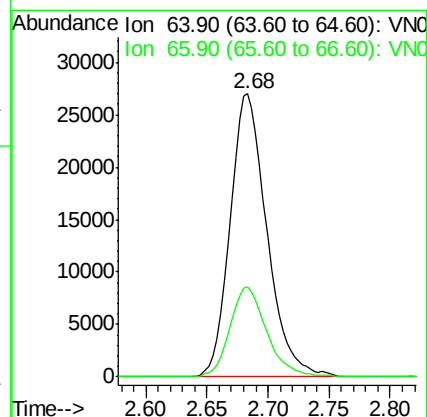
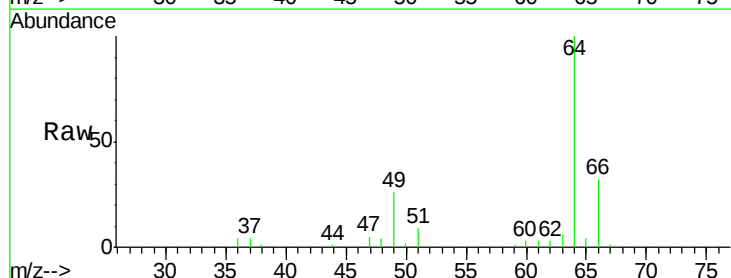
Acq: 31 Jan 2020 10:54

Tgt Ion: 64 Resp: 56726

Ion Ratio Lower Upper

64 100

66 31.8 25.1 37.7





#7

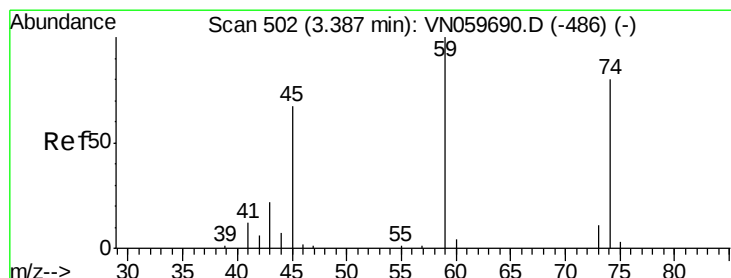
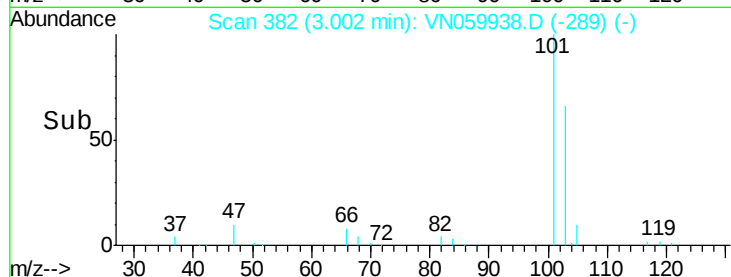
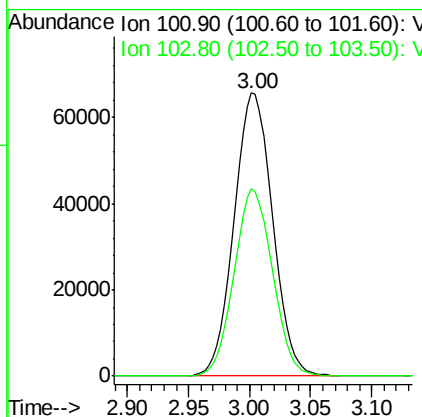
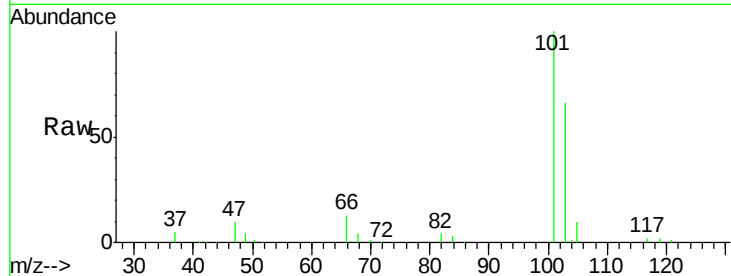
Trichlorofluoromethane
Concen: 49.271 ug/l
RT: 3.00 min Scan# 382
Delta R.T. 0.00 min
Lab File: VN059938.D
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VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	66.0	51.0	76.6

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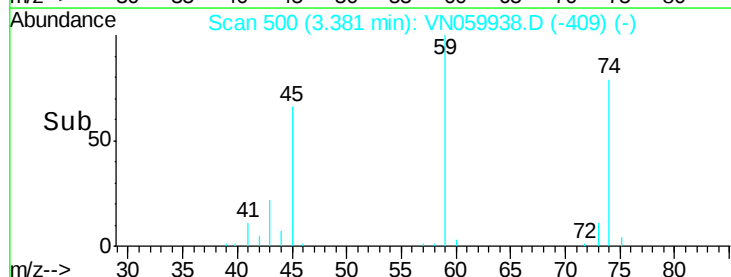
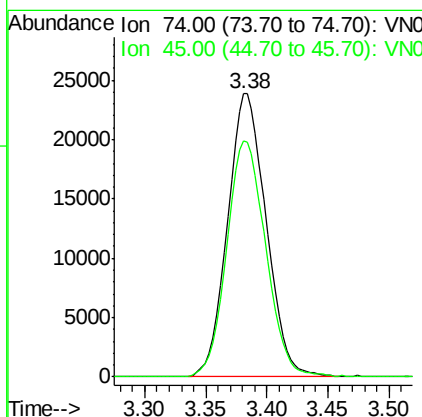
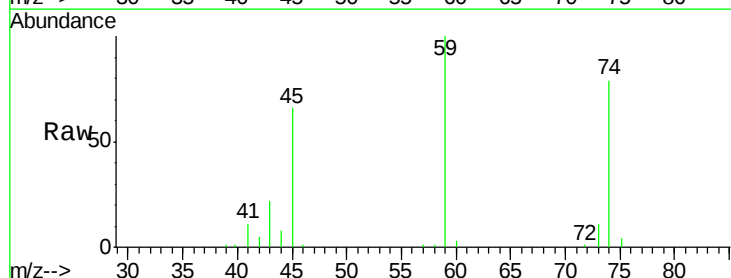
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#8

Diethyl Ether
Concen: 51.204 ug/l
RT: 3.38 min Scan# 500
Delta R.T. -0.01 min
Lab File: VN059938.D
Acq: 31 Jan 2020 10:54

Tgt Ion	Ratio	Lower	Upper
74	100		
45	84.4	51.9	155.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 52.626 ug/l

RT: 3.74 min Scan# 611

Delta R.T. -0.00 min

Lab File: VN059938.D

Acq: 31 Jan 2020 10:54

Instrument :

MSVOA_N

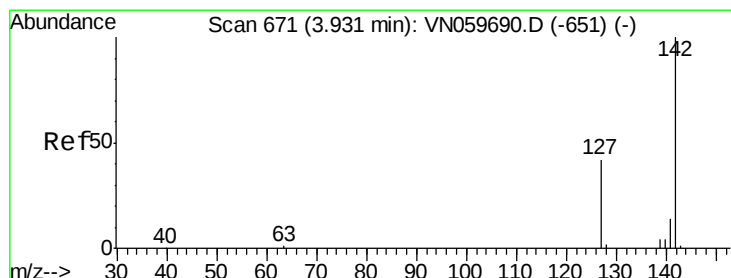
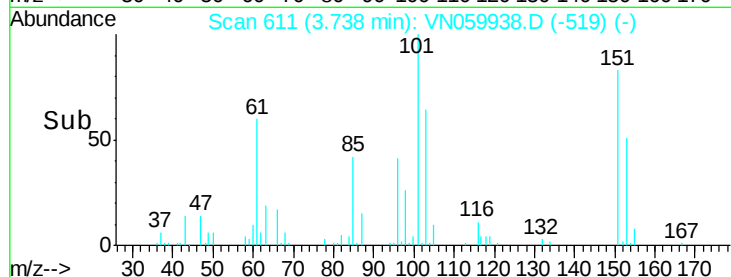
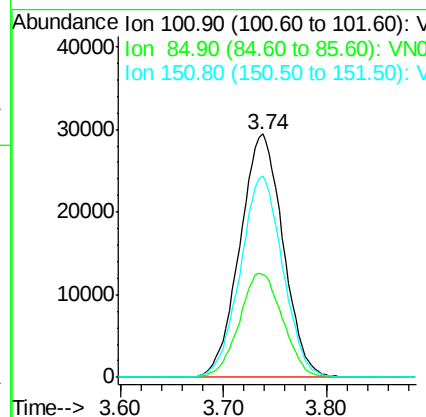
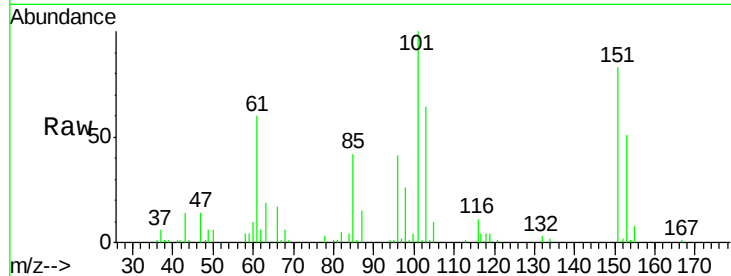
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	85568
Ion Ratio	Lower	Upper	
101	100		
85	43.0	36.6	54.8
151	81.4	59.7	89.5

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#10

Methyl Iodide

Concen: 43.590 ug/l

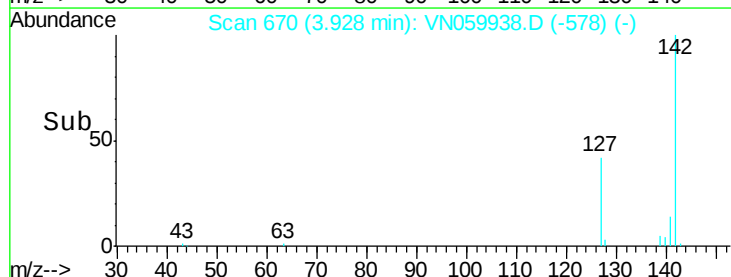
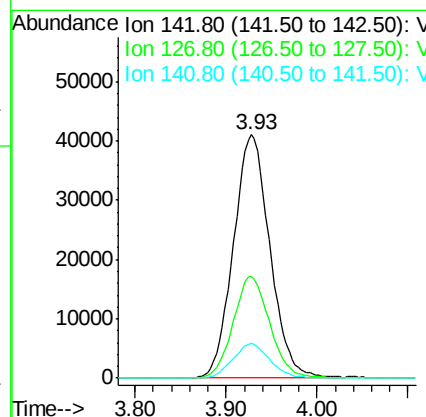
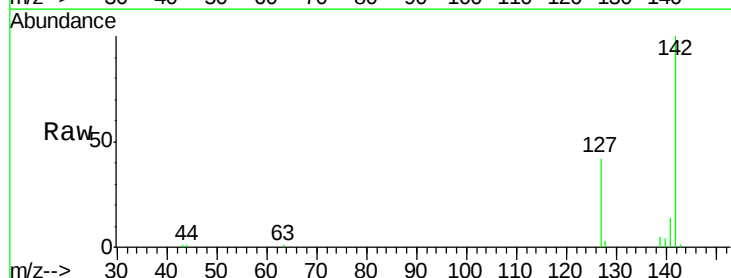
RT: 3.93 min Scan# 670

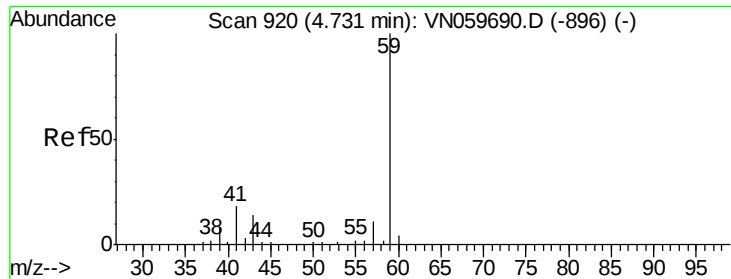
Delta R.T. -0.00 min

Lab File: VN059938.D

Acq: 31 Jan 2020 10:54

Tgt Ion:	142	Resp:	114565
Ion Ratio	Lower	Upper	
142	100		
127	41.7	36.7	55.1
141	14.1	11.7	17.5





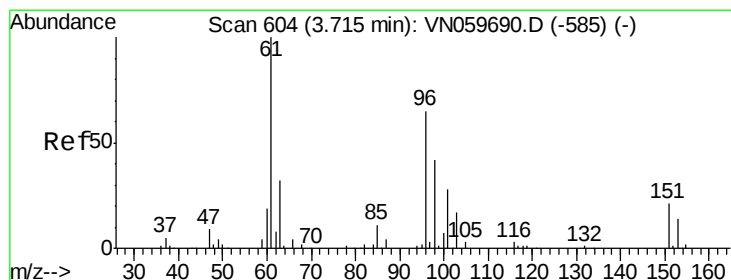
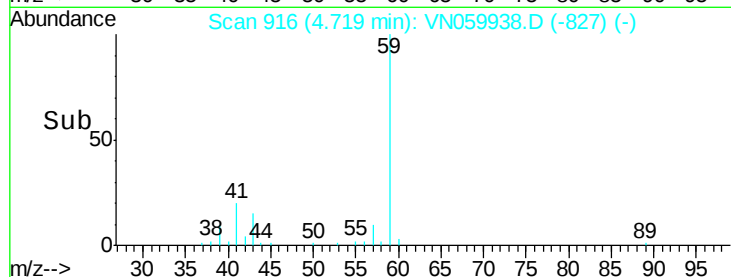
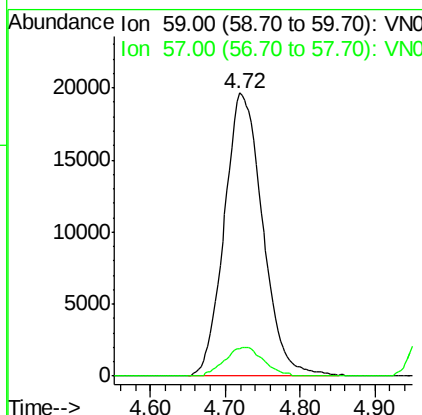
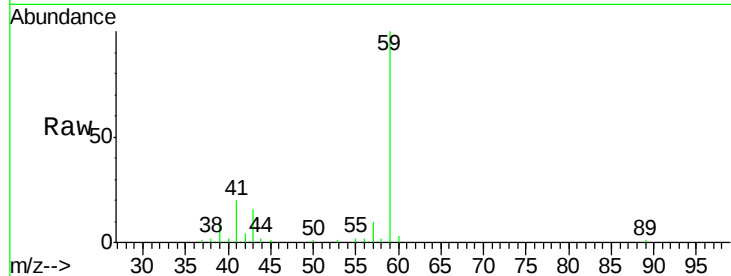
#11
Tert butyl alcohol
Concen: 201.379 ug/l
RT: 4.72 min Scan# 916
Delta R.T. -0.01 min
Lab File: VN059938.D
Acq: 31 Jan 2020 10:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.2	8.6	12.8

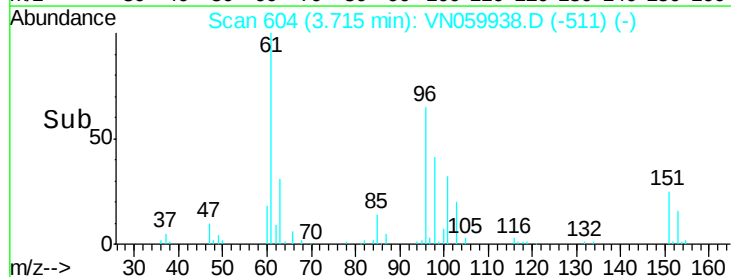
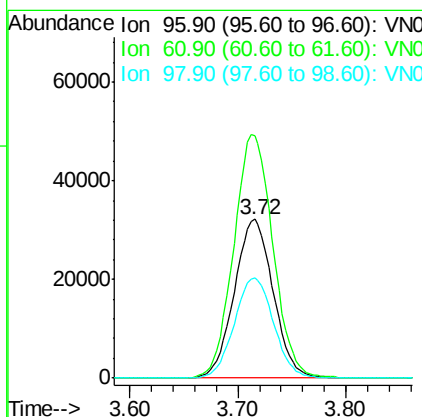
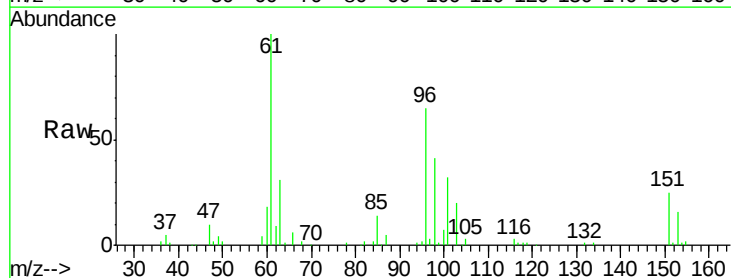
Manual Integrations
APPROVED

MMDadoda
2/4/2020 12:50:37 PM



#12
1,1-Dichloroethene
Concen: 47.415 ug/l
RT: 3.72 min Scan# 604
Delta R.T. 0.00 min
Lab File: VN059938.D
Acq: 31 Jan 2020 10:54

Tgt Ion	Ratio	Lower	Upper
96	100		
61	153.0	137.5	206.3
98	62.8	50.2	75.4





#13

Acrolein

Concen: 155.056 ug/l

RT: 3.57 min Scan# 560

Delta R.T. -0.00 min

Lab File: VN059938.D

Acq: 31 Jan 2020 10:54

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 38107

Ion Ratio Lower Upper

56 100

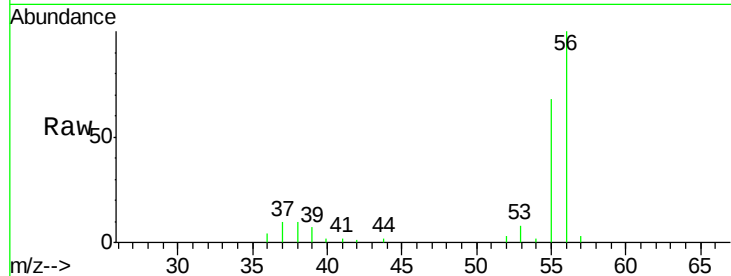
55 69.4 58.6 88.0

Manual Integrations

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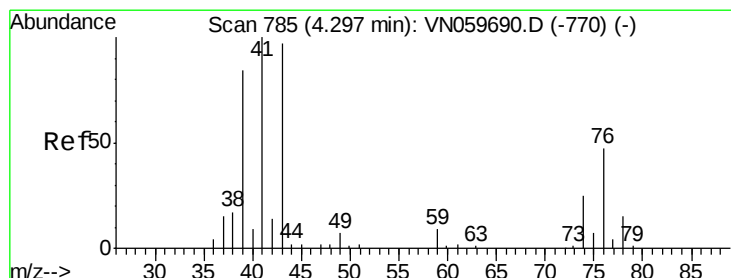
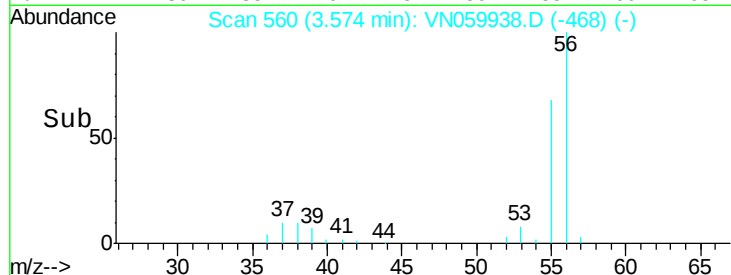
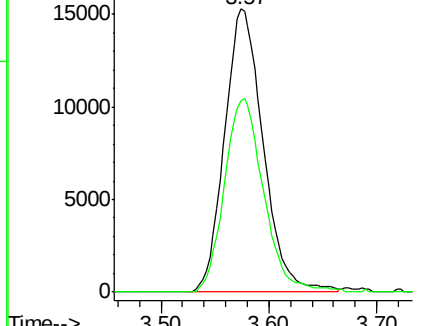
MMDadoda

2/4/2020 12:50:37 PM



Abundance Ion 56.00 (55.70 to 56.70): VN059938.D (-468) (-)

Ion 55.00 (54.70 to 55.70): VN059938.D (-468) (-)



#14

Allyl chloride

Concen: 49.348 ug/l

RT: 4.29 min Scan# 783

Delta R.T. -0.01 min

Lab File: VN059938.D

Acq: 31 Jan 2020 10:54

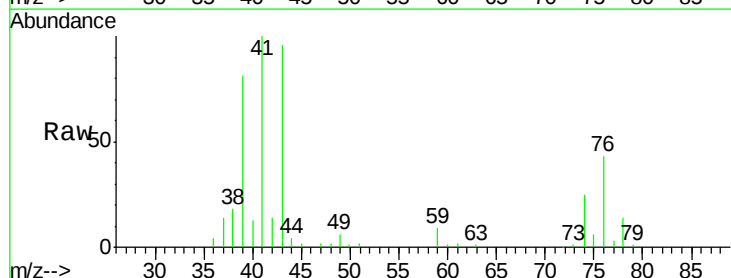
Tgt Ion: 41 Resp: 113011

Ion Ratio Lower Upper

41 100

39 83.6 57.8 86.8

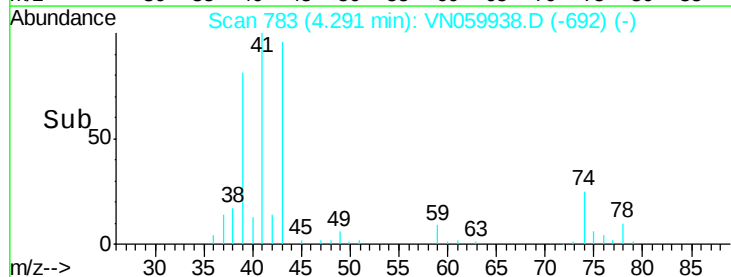
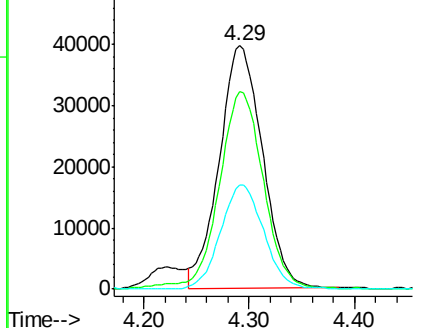
76 42.8 25.4 38.0#

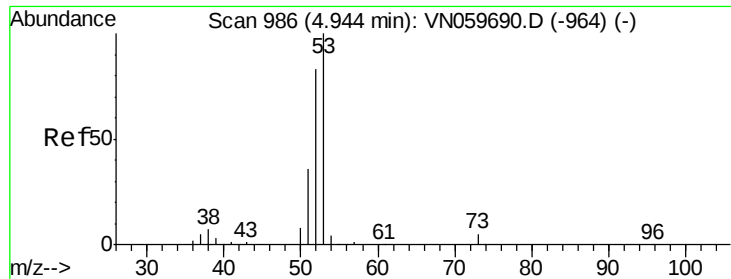


Abundance Ion 41.00 (40.70 to 41.70): VN059938.D (-692) (-)

Ion 39.00 (38.70 to 39.70): VN059938.D (-692) (-)

Ion 75.90 (75.60 to 76.60): VN059938.D (-692) (-)





#15

Acrylonitrile

Concen: 240.881 ug/l

RT: 4.94 min Scan# 985

Delta R.T. -0.00 min

Lab File: VN059938.D

Acq: 31 Jan 2020 10:54

Instrument :

MSVOA_N

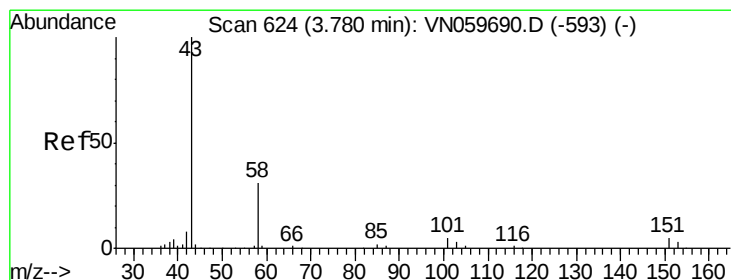
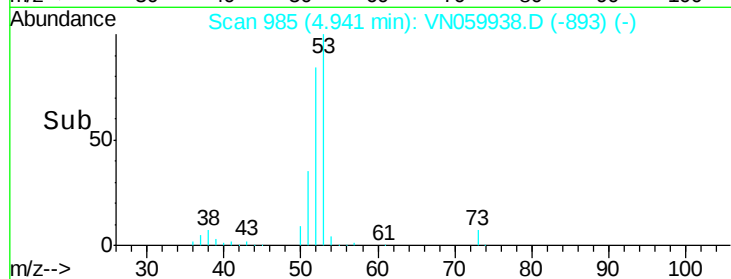
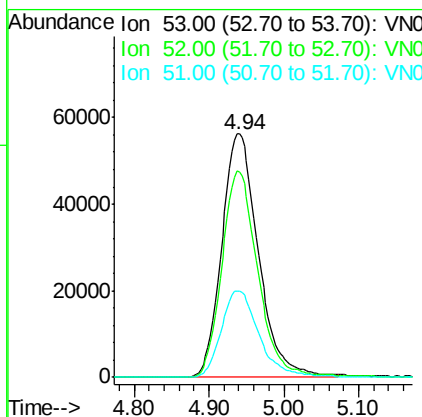
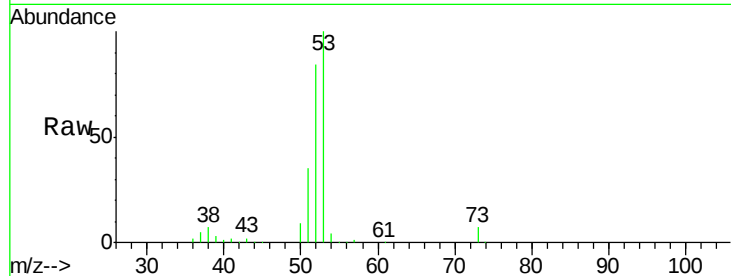
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	190765
Ion	Ratio	Lower	Upper
53	100		
52	82.9	66.3	99.5
51	36.8	29.7	44.5

Manual Integrations
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#16

Acetone

Concen: 336.567 ug/l

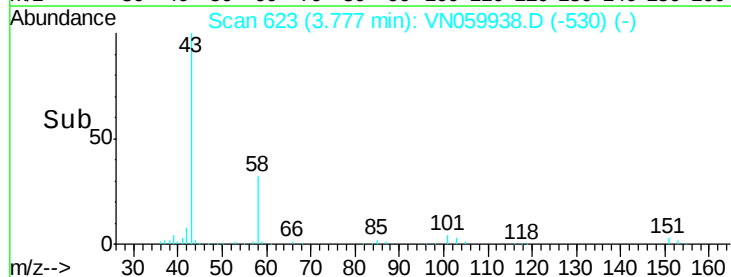
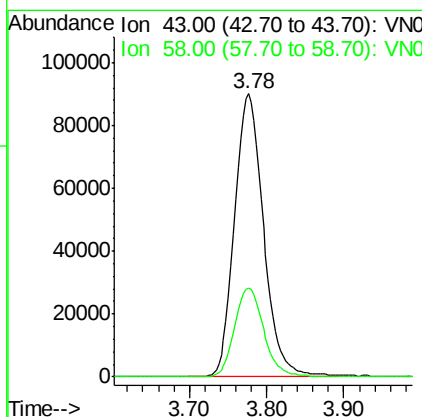
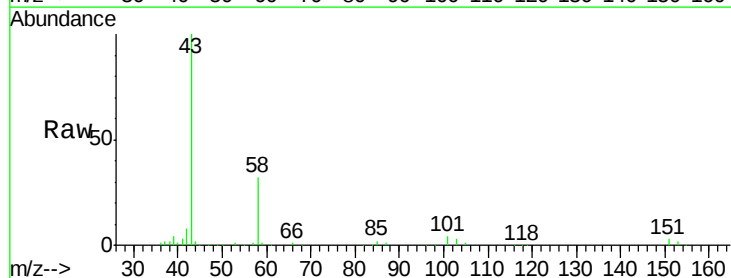
RT: 3.78 min Scan# 623

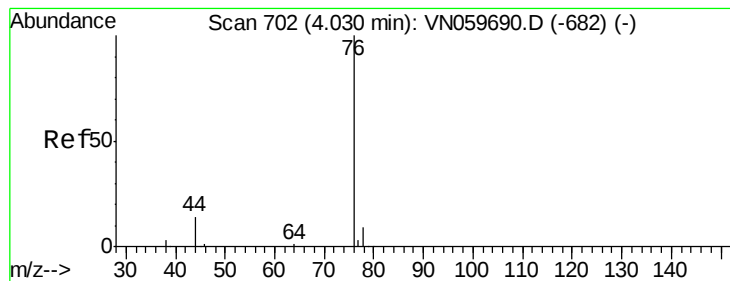
Delta R.T. -0.00 min

Lab File: VN059938.D

Acq: 31 Jan 2020 10:54

Tgt Ion:	43	Resp:	234303
Ion	Ratio	Lower	Upper
43	100		
58	31.5	23.6	35.4





#17

Carbon Disulfide

Concen: 41.298 ug/l

RT: 4.03 min Scan# 701

Delta R.T. -0.00 min

Lab File: VN059938.D

Acq: 31 Jan 2020 10:54

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 199880

Ion Ratio Lower Upper

76 100

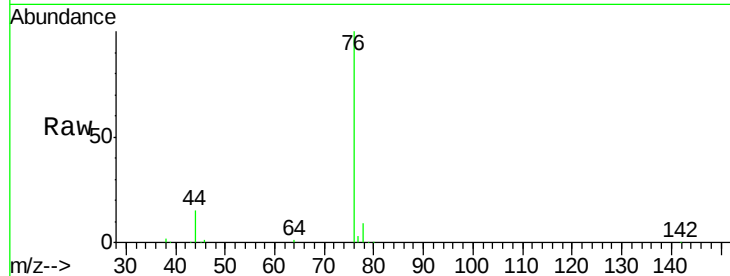
78 9.1 7.4 11.0

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VN059938.D (-682) (-)

Ion 77.90 (77.60 to 78.60): VN059938.D (-682) (-)

80000

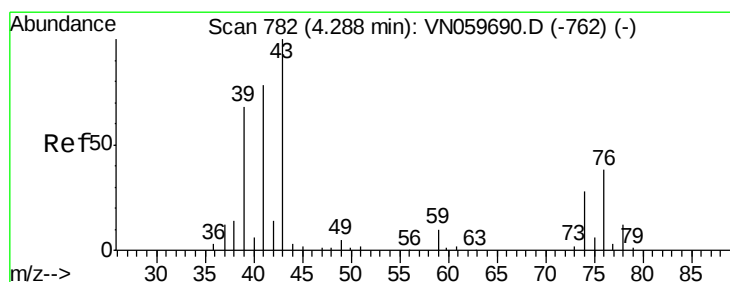
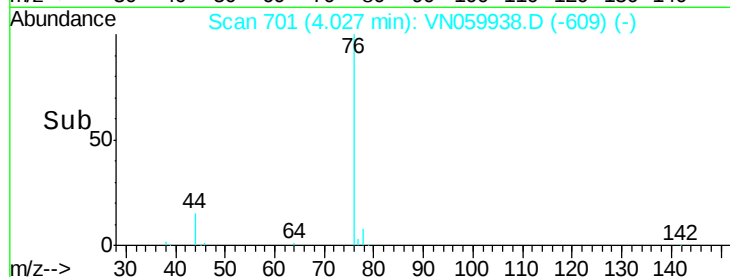
60000

40000

20000

0

Time-->



#18

Methyl Acetate

Concen: 48.842 ug/l

RT: 4.28 min Scan# 781

Delta R.T. -0.00 min

Lab File: VN059938.D

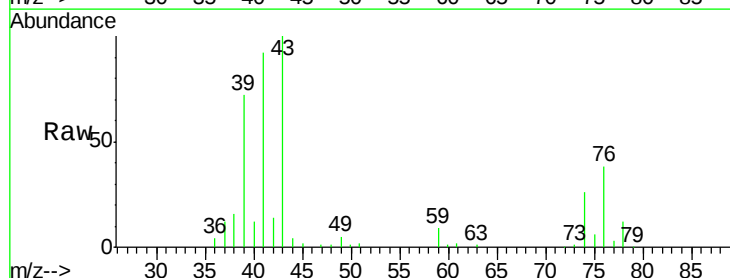
Acq: 31 Jan 2020 10:54

Tgt Ion: 43 Resp: 117656

Ion Ratio Lower Upper

43 100

74 25.6 17.5 26.3



Abundance Ion 43.00 (42.70 to 43.70): VN059938.D (-689) (-)

Ion 74.00 (73.70 to 74.70): VN059938.D (-689) (-)

40000

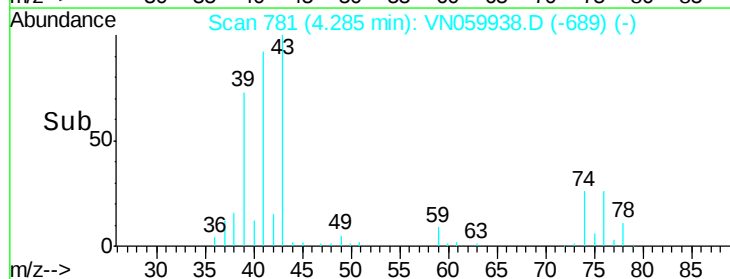
30000

20000

10000

0

Time-->





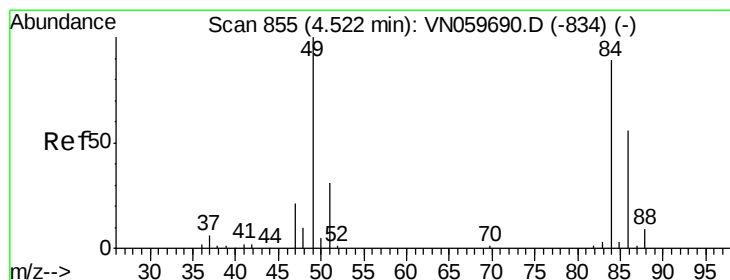
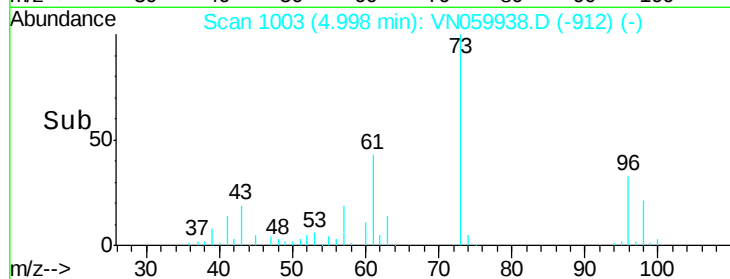
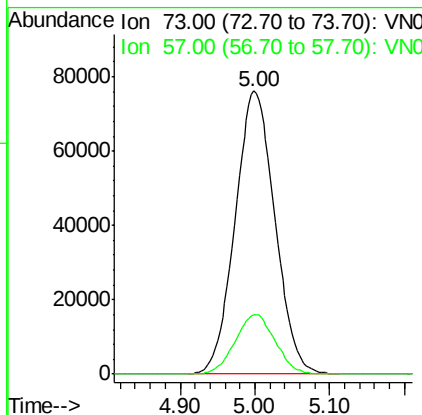
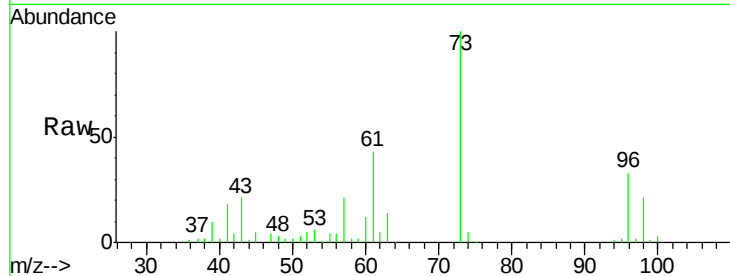
#19
Methvl tert-butvl Ether
Concen: 50.808 ug/l
RT: 5.00 min Scan# 1003
Delta R.T. -0.01 min
Lab File: VN059938.D
Acq: 31 Jan 2020 10:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 281455
Ion Ratio Lower Upper
73 100
57 21.0 18.6 27.8

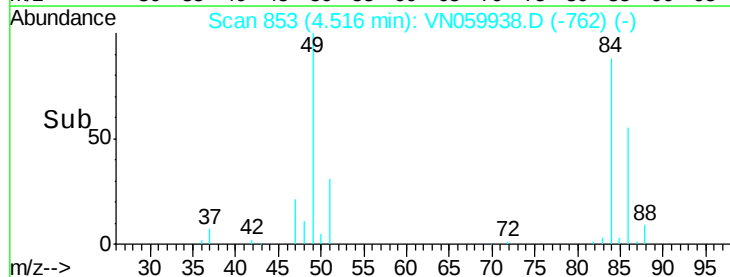
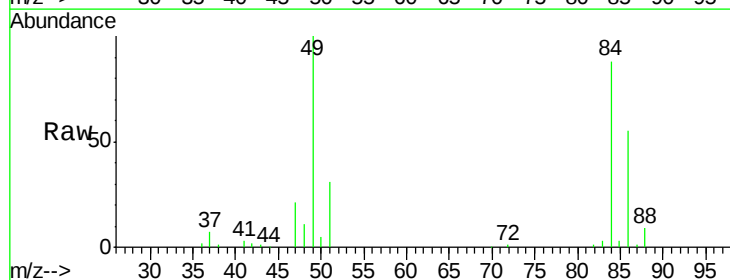
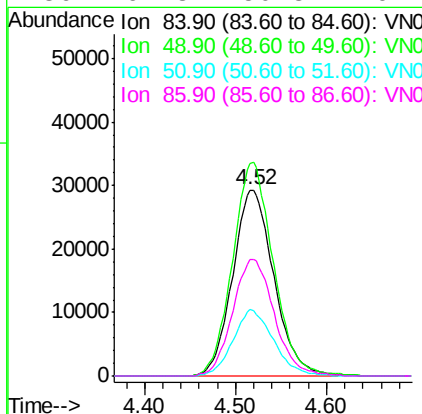
Manual Integrations
APPROVED

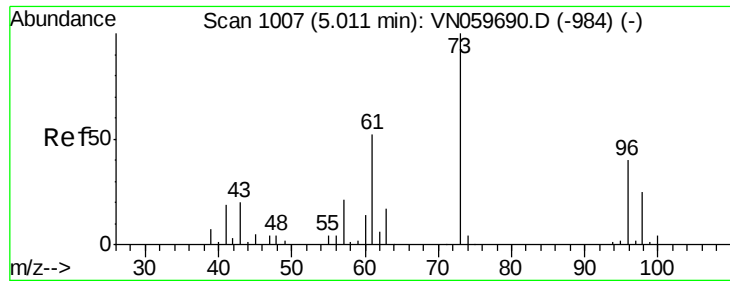
MMDadoda
2/4/2020 12:50:37 PM



#20
Methylene Chloride
Concen: 49.454 ug/l
RT: 4.52 min Scan# 853
Delta R.T. -0.01 min
Lab File: VN059938.D
Acq: 31 Jan 2020 10:54

Tgt Ion: 84 Resp: 92301
Ion Ratio Lower Upper
84 100
49 113.9 106.6 160.0
51 35.6 31.9 47.9
86 62.3 50.8 76.2





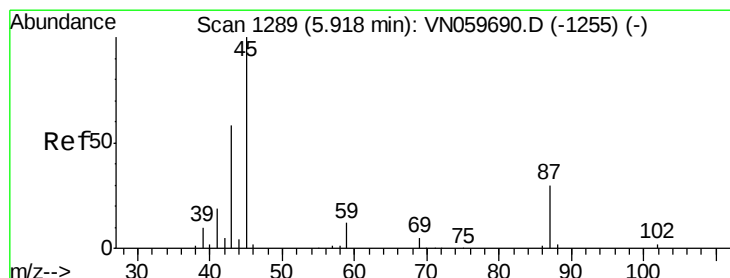
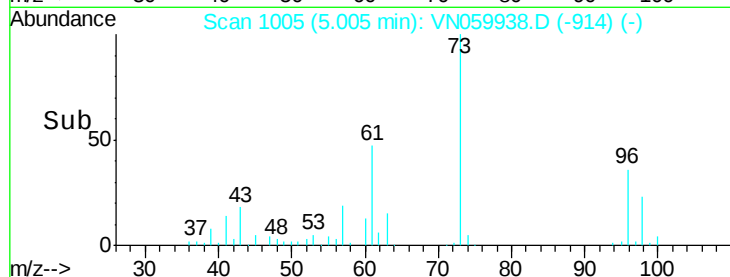
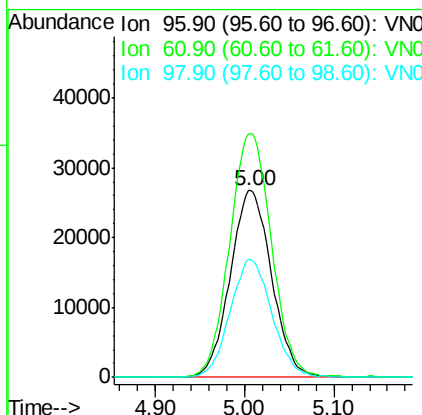
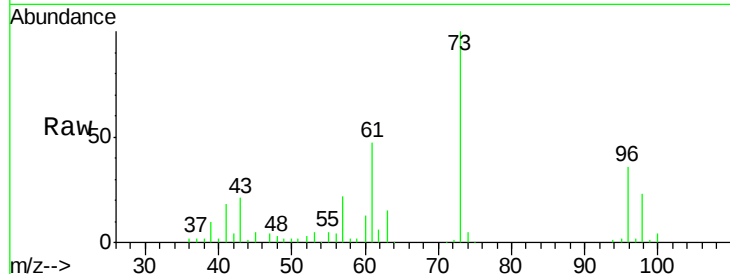
#21
trans-1,2-Dichloroethene
Concen: 47.670 ug/l
RT: 5.00 min Scan# 1005
Delta R.T. -0.01 min
Lab File: VN059938.D
Acq: 31 Jan 2020 10:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	129.3	120.4	180.6
98	63.0	50.6	75.8

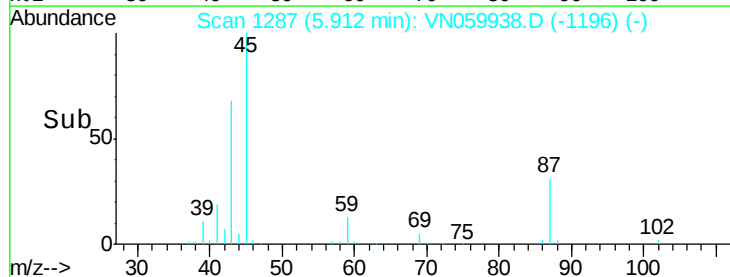
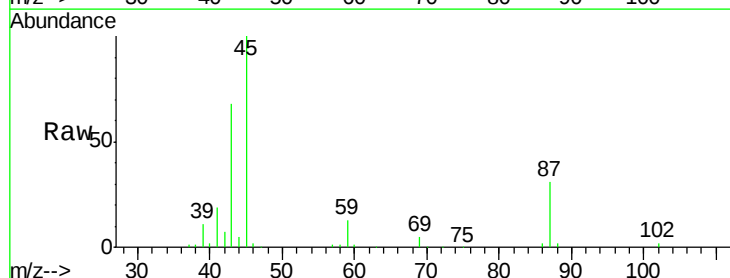
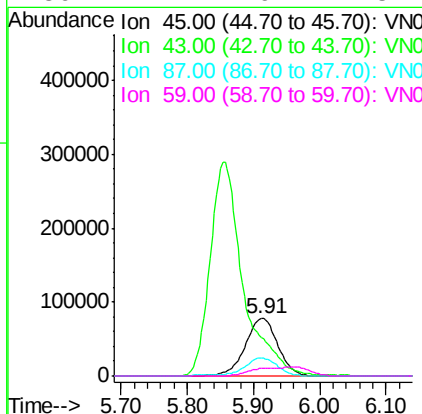
Manual Integrations
APPROVED

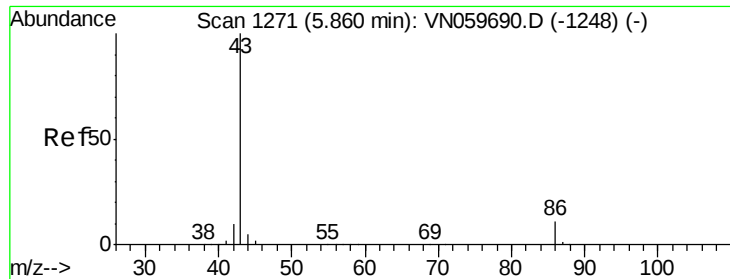
MMDadoda
2/4/2020 12:50:37 PM



#22
Diisopropyl ether
Concen: 51.214 ug/l
RT: 5.91 min Scan# 1287
Delta R.T. -0.01 min
Lab File: VN059938.D
Acq: 31 Jan 2020 10:54

Tgt Ion	Ratio	Lower	Upper
45	100		
43	66.7	50.8	76.2
87	31.3	21.0	31.6
59	12.7	9.1	13.7





#23

Vinyl Acetate

Concen: 249.703 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. -0.01 min

Lab File: VN059938.D

Acq: 31 Jan 2020 10:54

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1003340

Ion Ratio Lower Upper

43 100

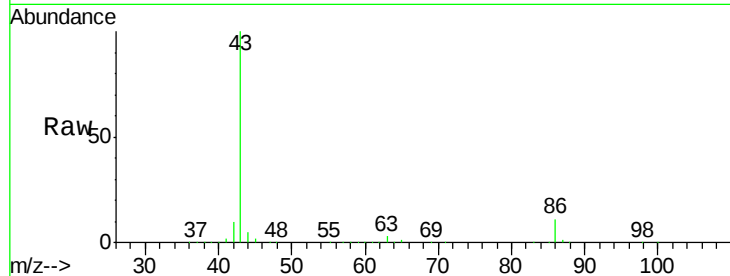
86 11.4 7.6 11.4

Manual Integrations

APPROVED

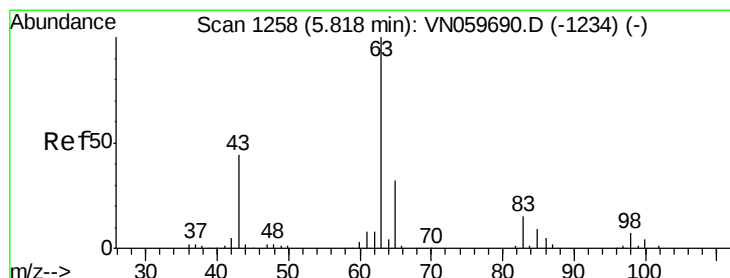
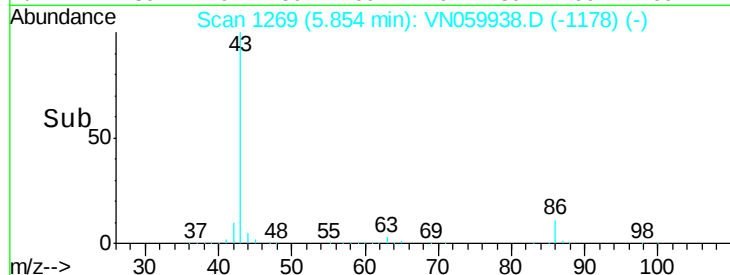
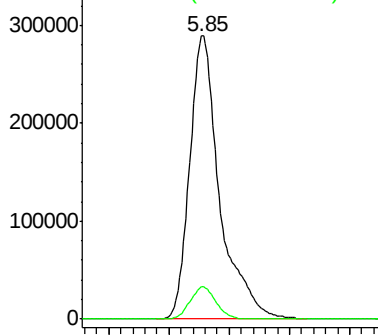
MMDadoda

2/4/2020 12:50:37 PM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 50.405 ug/l

RT: 5.82 min Scan# 1257

Delta R.T. -0.00 min

Lab File: VN059938.D

Acq: 31 Jan 2020 10:54

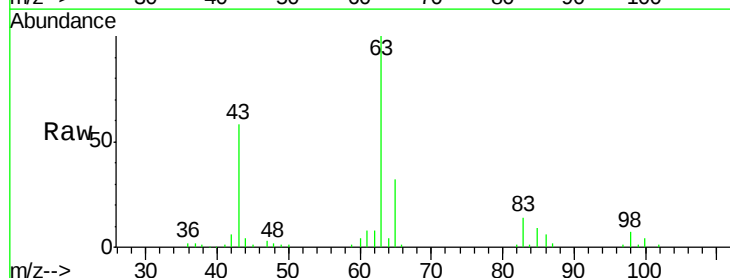
Tgt Ion: 63 Resp: 159839

Ion Ratio Lower Upper

63 100

98 7.4 2.9 8.7

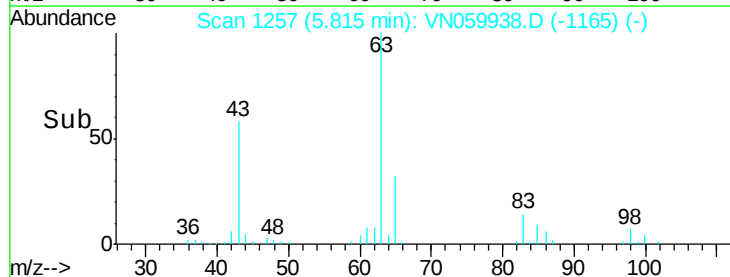
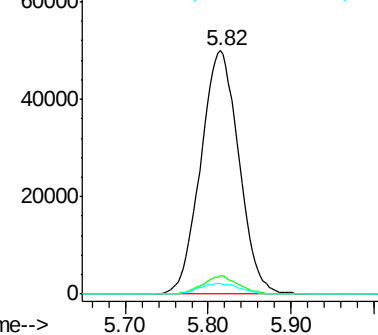
100 4.2 2.0 6.0



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 247.746 ug/l

RT: 6.79 min Scan# 1561

Delta R.T. -0.01 min

Lab File: VN059938.D

Acq: 31 Jan 2020 10:54

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 289338

Ion Ratio Lower Upper

43 100

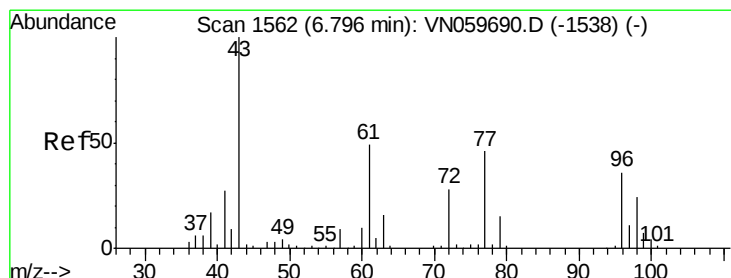
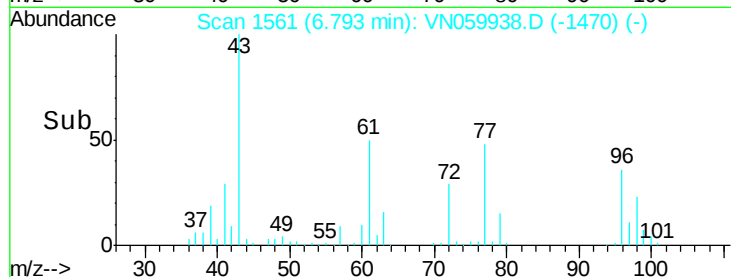
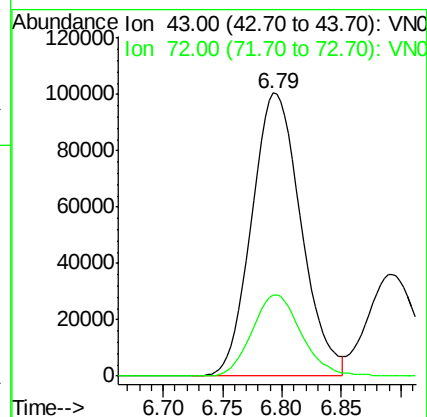
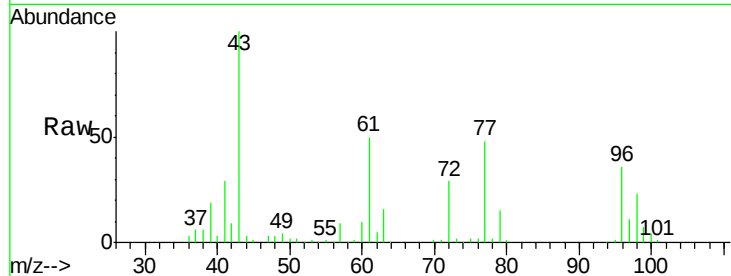
72 28.8 19.9 29.9

Manual Integrations

APPROVED

MMDadoda

2/4/2020 12:50:37 PM



#26

2,2-Dichloropropane

Concen: 50.723 ug/l

RT: 6.79 min Scan# 1561

Delta R.T. -0.00 min

Lab File: VN059938.D

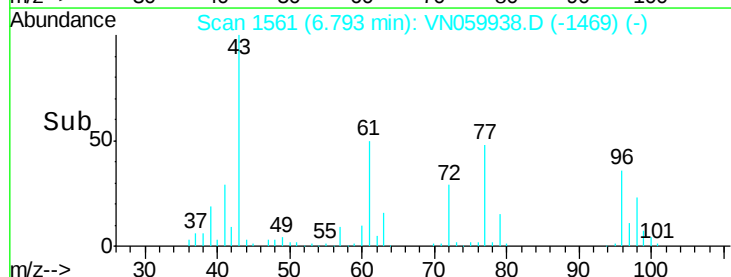
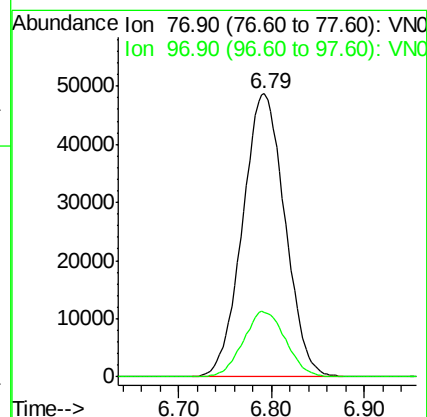
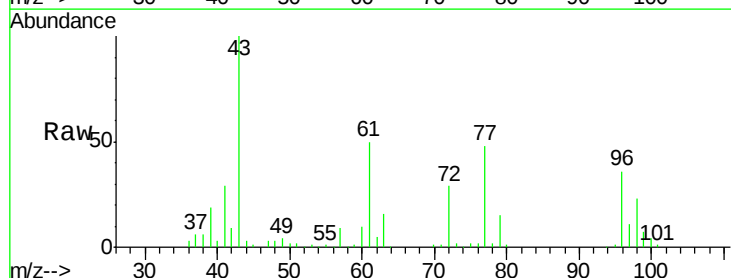
Acq: 31 Jan 2020 10:54

Tgt Ion: 77 Resp: 154633

Ion Ratio Lower Upper

77 100

97 23.1 10.7 31.9





#27

cis-1,2-Dichloroethene

Concen: 50.507 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.00 min

Lab File: VN059938.D

Acq: 31 Jan 2020 10:54

Instrument :

MSVOA_N

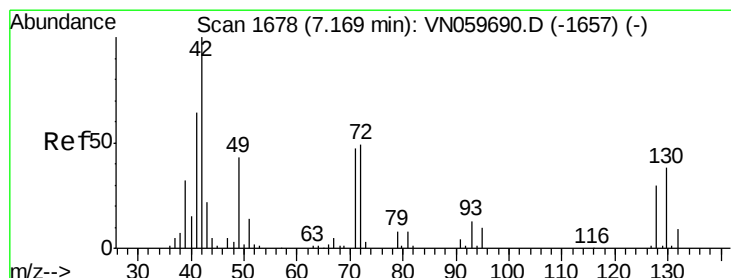
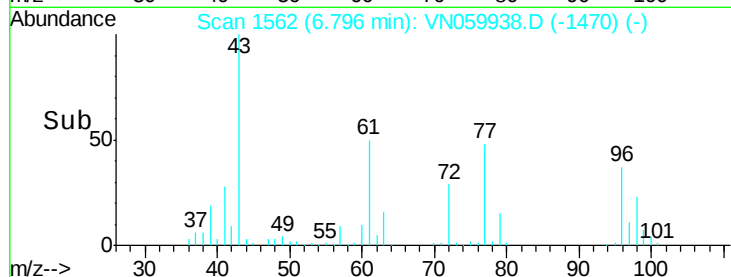
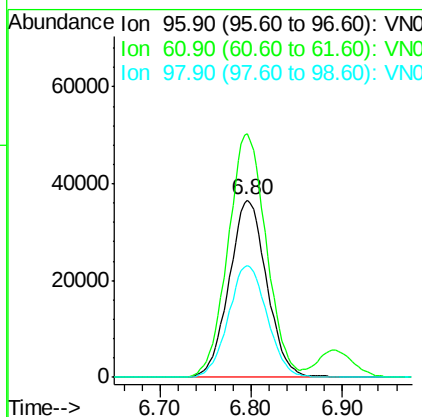
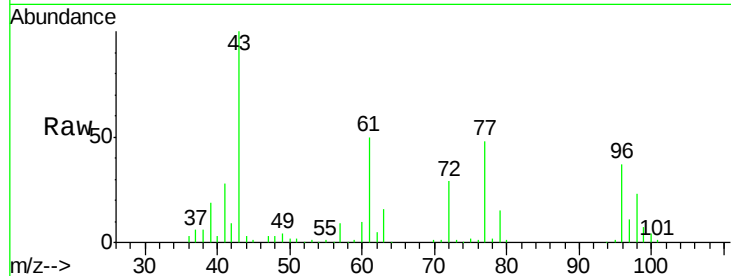
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	104916
Ion	Ratio	Lower	Upper
96	100		
61	140.0	0.0	317.6
98	65.0	0.0	127.0

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#28

Bromochloromethane

Concen: 51.067 ug/l

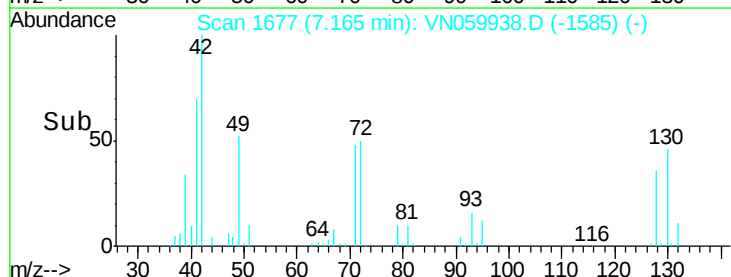
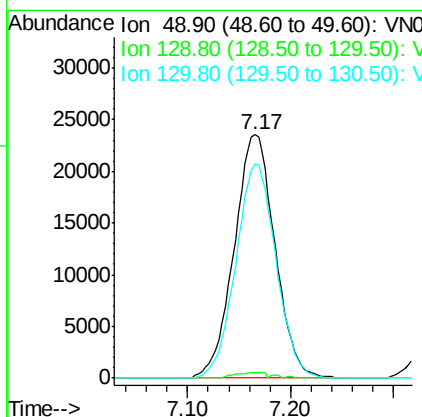
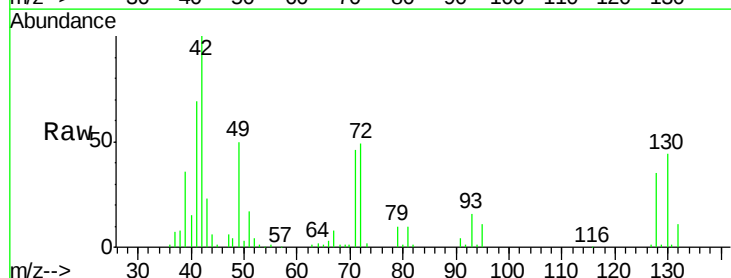
RT: 7.17 min Scan# 1677

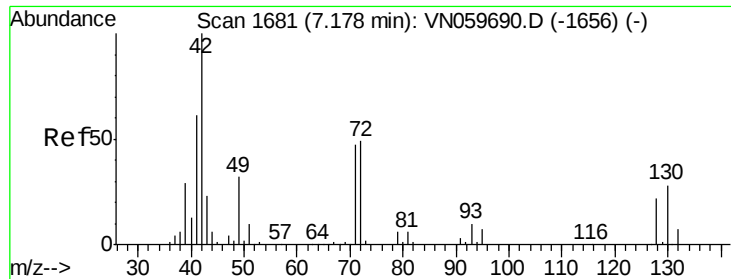
Delta R.T. -0.00 min

Lab File: VN059938.D

Acq: 31 Jan 2020 10:54

Tgt Ion:	49	Resp:	64724
Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	3.4
130	86.7	54.7	82.1#





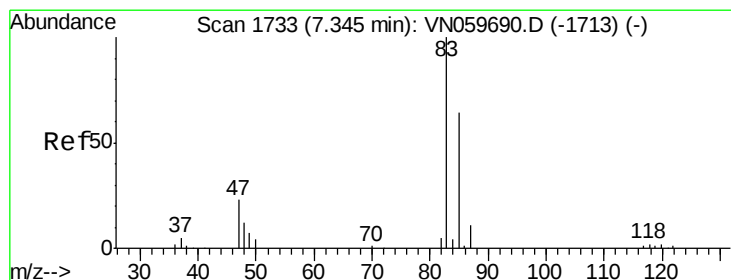
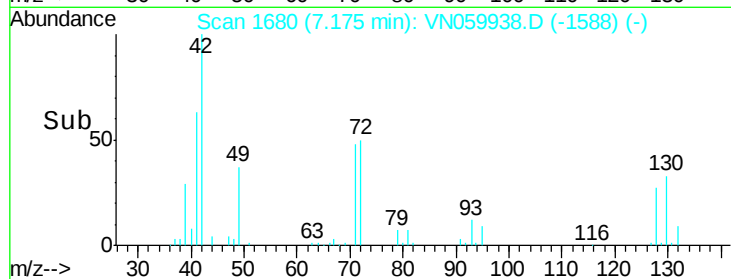
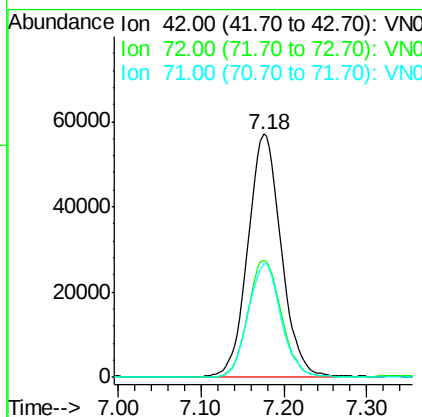
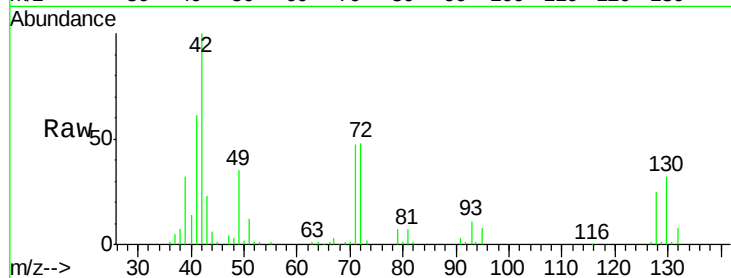
#29
Tetrahydrofuran
Concen: 221.266 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. -0.00 min
Lab File: VN059938.D
Acq: 31 Jan 2020 10:54

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	48.4	33.1	49.7
71	45.8	31.4	47.0

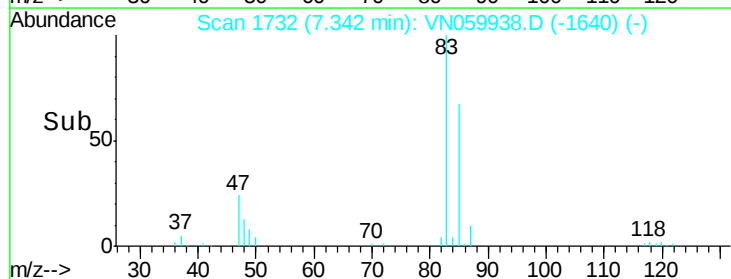
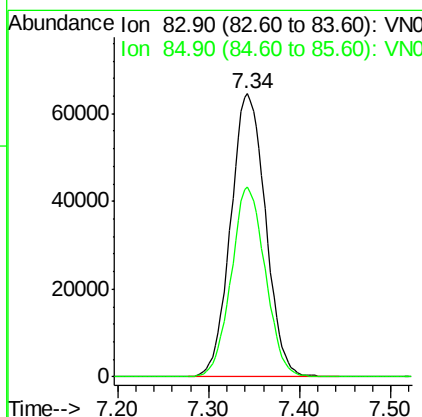
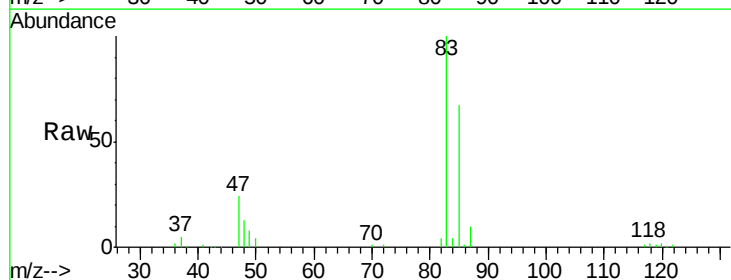
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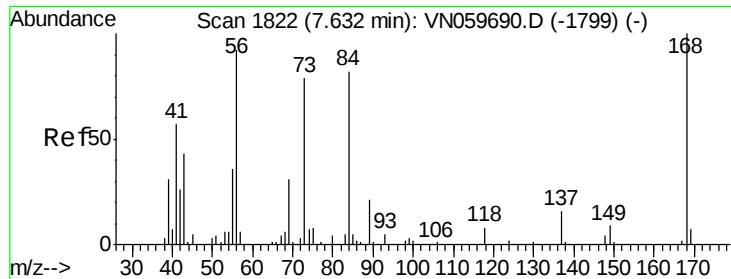
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#30
Chloroform
Concen: 52.291 ug/l
RT: 7.34 min Scan# 1732
Delta R.T. -0.00 min
Lab File: VN059938.D
Acq: 31 Jan 2020 10:54

Tgt Ion	Ratio	Lower	Upper
83	100		
85	67.3	52.4	78.6





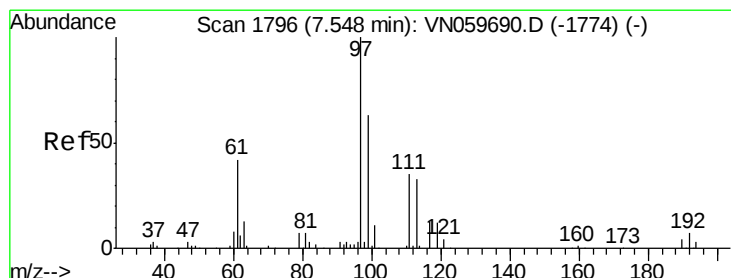
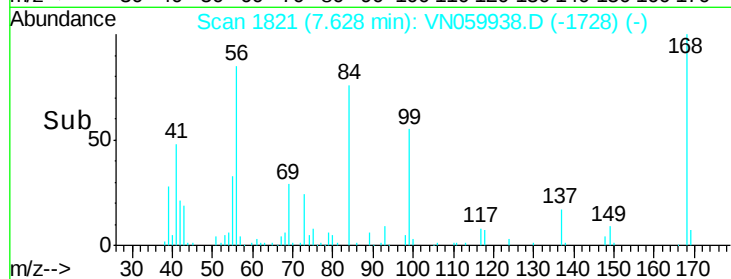
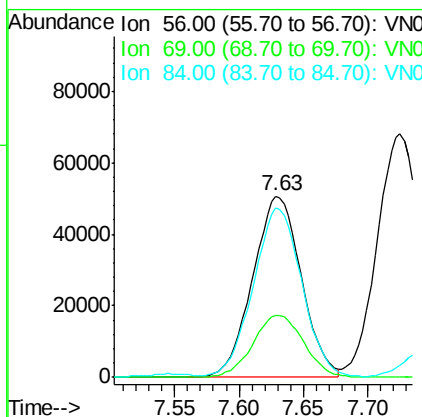
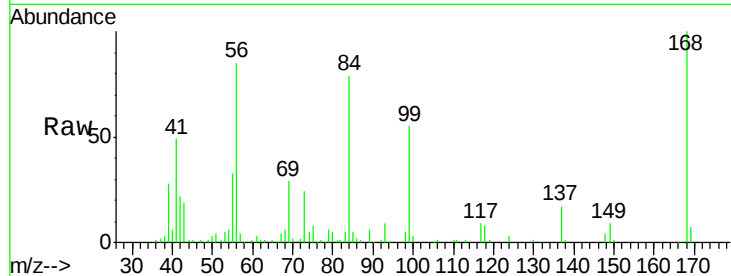
#31
Cyclohexane
Concen: 43.591 ug/l
RT: 7.63 min Scan# 1821
Delta R.T. -0.00 min
Lab File: VN059938.D
Acq: 31 Jan 2020 10:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	34.5	26.5	39.7
84	91.9	65.3	97.9

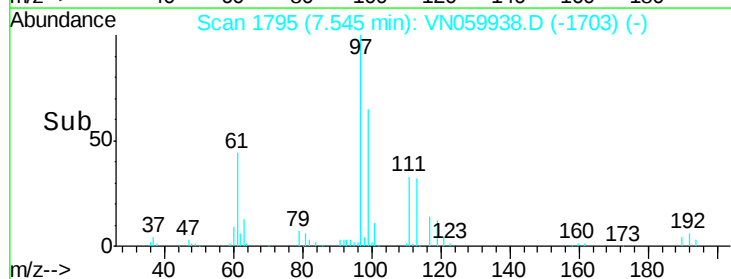
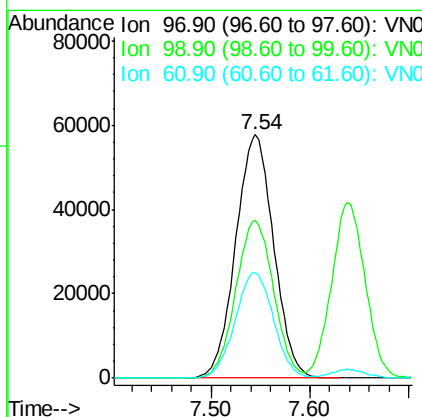
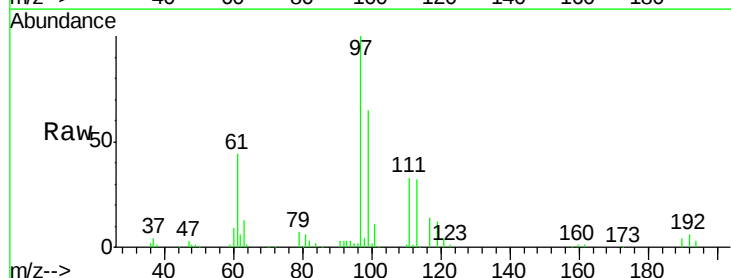
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#32
1,1,1-Trichloroethane
Concen: 50.727 ug/l
RT: 7.54 min Scan# 1795
Delta R.T. -0.00 min
Lab File: VN059938.D
Acq: 31 Jan 2020 10:54

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.6	51.0	76.4
61	43.7	38.5	57.7





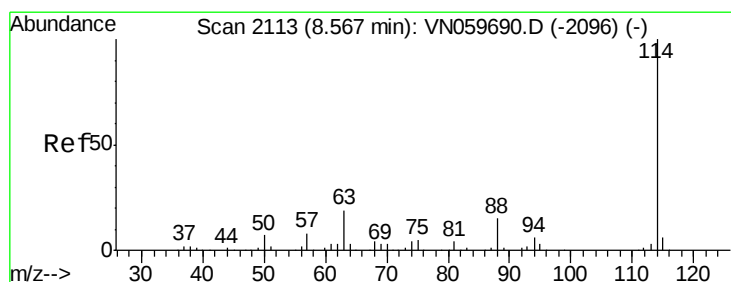
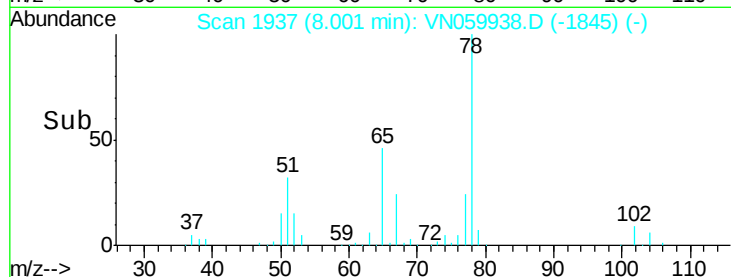
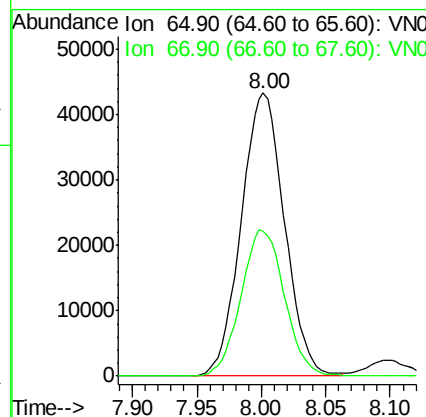
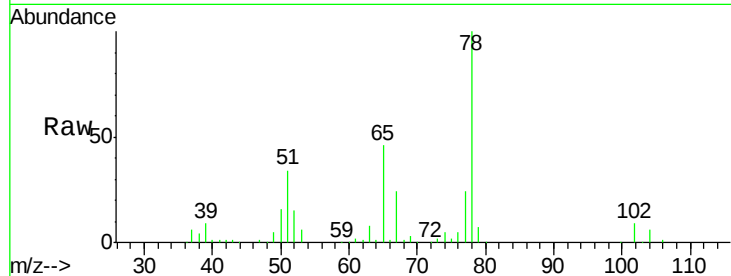
#33
 1,2-Dichloroethane-d4
 Concen: 48.983 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VN059938.D
 Acq: 31 Jan 2020 10:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	101019		
67	52.0	0.0	103.0	

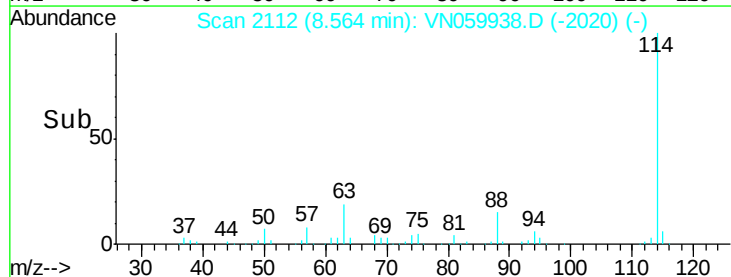
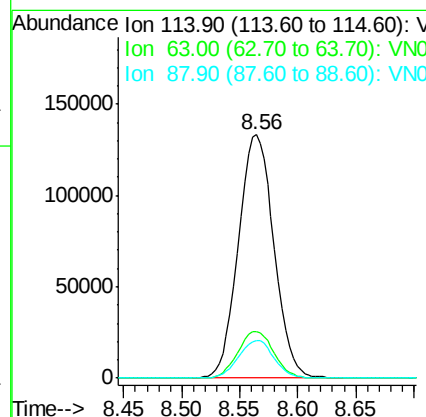
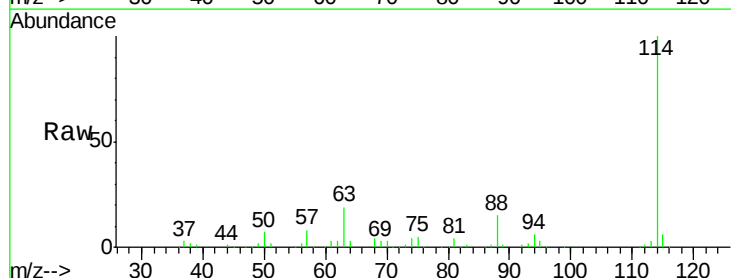
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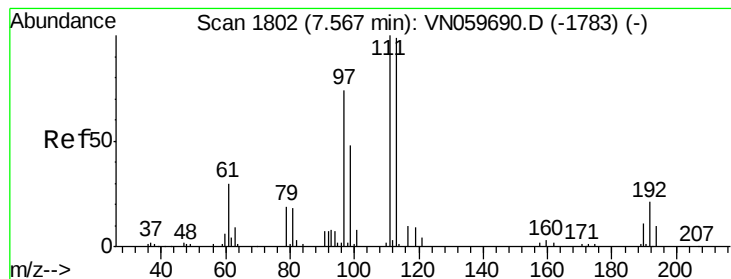
MMDadoda
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.56 min Scan# 2112
 Delta R.T. -0.00 min
 Lab File: VN059938.D
 Acq: 31 Jan 2020 10:54

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	283370		
63	19.2	0.0	43.6	
88	15.4	0.0	31.4	





#35

Dibromofluoromethane

Concen: 50.408 ug/l

RT: 7.56 min Scan# 1801

Delta R.T. -0.00 min

Lab File: VN059938.D

Acq: 31 Jan 2020 10:54

Instrument :

MSVOA_N

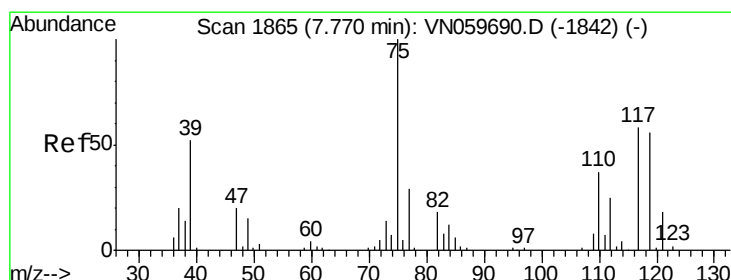
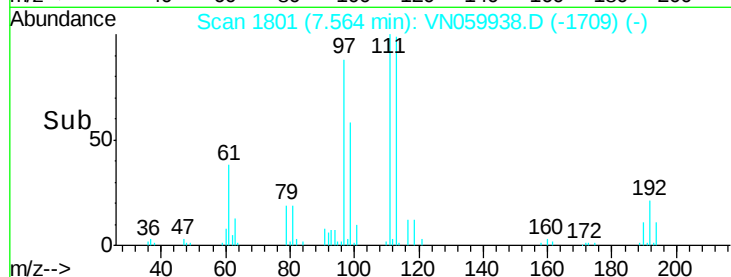
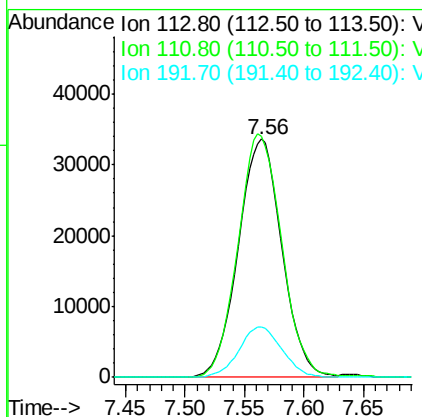
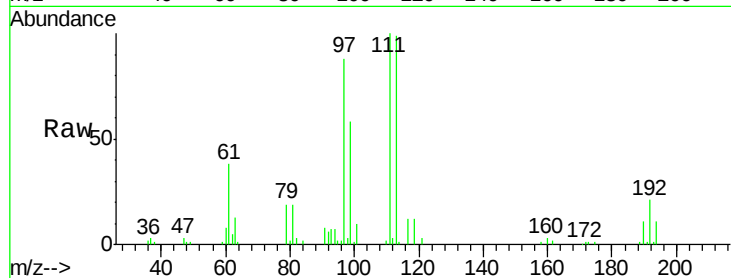
ClientSampleId :

VSTDCCC050

Tot Ion:	113	Resp:	85182
Ion Ratio	Lower	Upper	
113	100		
111	102.4	83.5	125.3
192	20.9	15.4	23.2

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#36

1,1-Dichloropropene

Concen: 50.114 ug/l

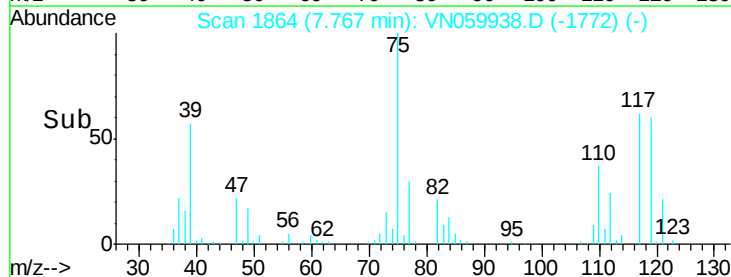
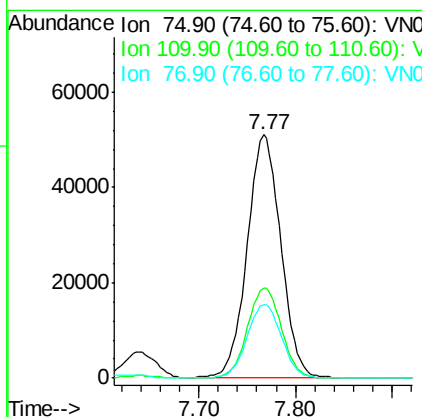
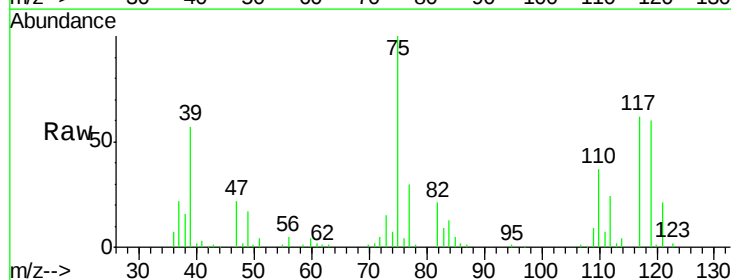
RT: 7.77 min Scan# 1864

Delta R.T. -0.00 min

Lab File: VN059938.D

Acq: 31 Jan 2020 10:54

Tgt Ion:	75	Resp:	123667
Ion Ratio	Lower	Upper	
75	100		
110	37.2	16.6	49.7
77	31.0	25.1	37.7





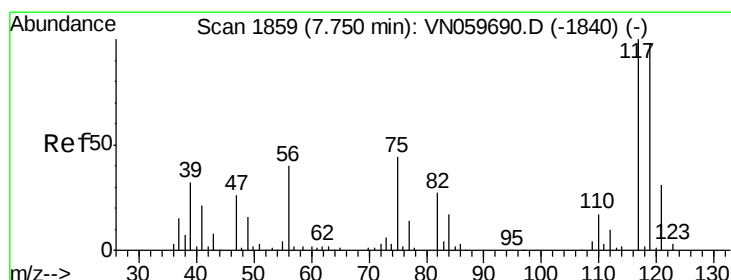
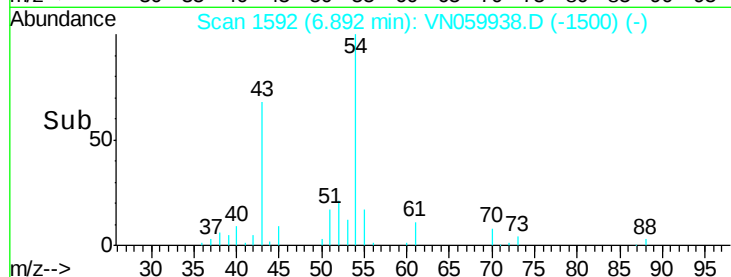
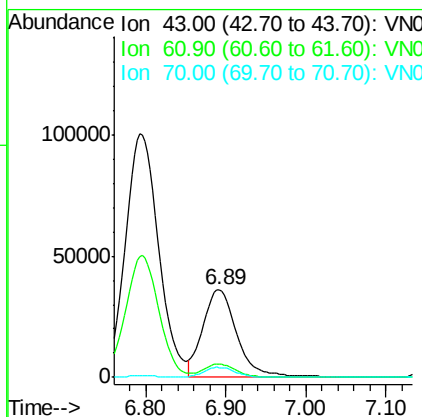
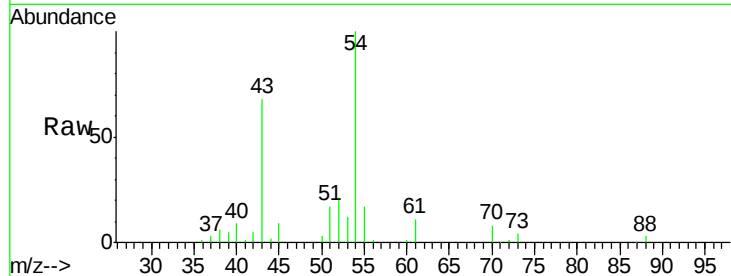
#37
Ethyl Acetate
Concen: 45.900 ug/l
RT: 6.89 min Scan# 1592
Delta R.T. -0.00 min
Lab File: VN059938.D
Acq: 31 Jan 2020 10:54

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.6	10.9	16.3
70	10.7	7.7	11.5

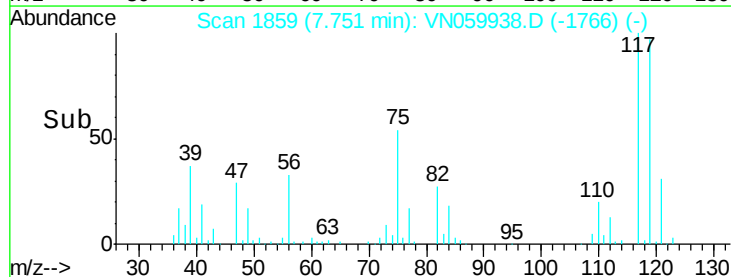
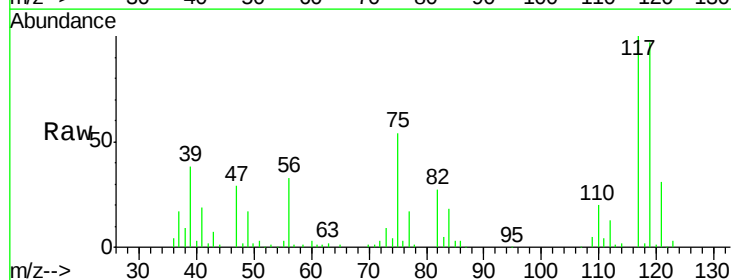
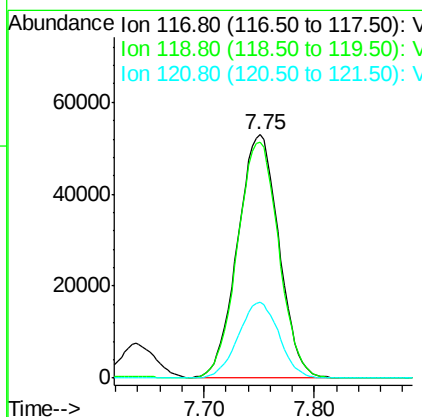
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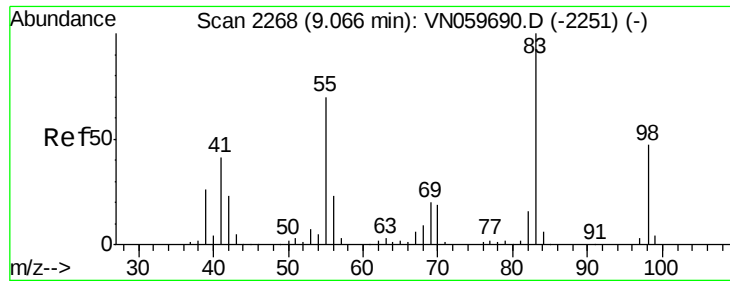
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#38
Carbon Tetrachloride
Concen: 51.254 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. 0.00 min
Lab File: VN059938.D
Acq: 31 Jan 2020 10:54

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.1	76.5	114.7
121	31.0	25.1	37.7





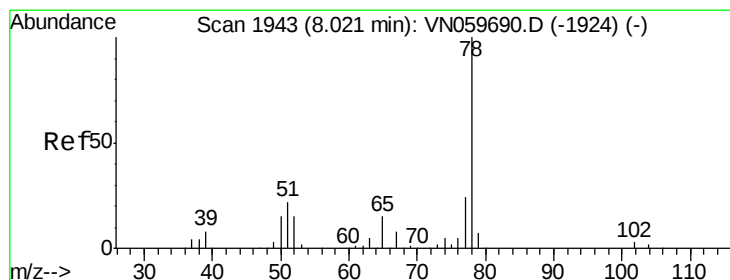
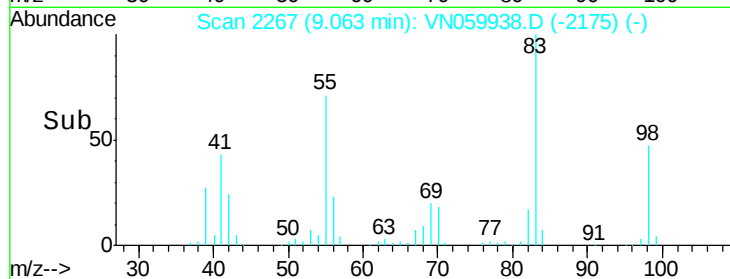
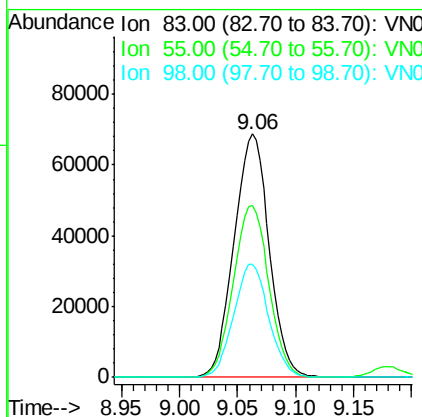
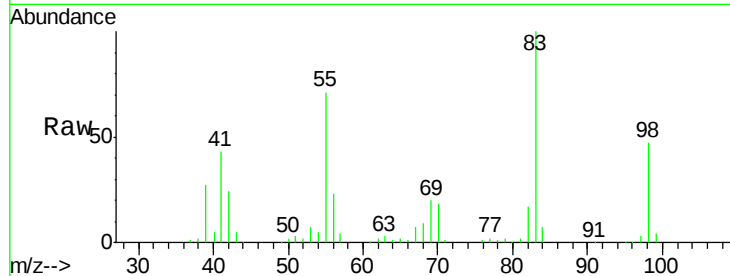
#39
Methvlcvclohexane
Concen: 47.561 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. -0.00 min
Lab File: VN059938.D
Acq: 31 Jan 2020 10:54

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	144716		
55	70.6	64.2	96.2	
98	46.7	35.9	53.9	

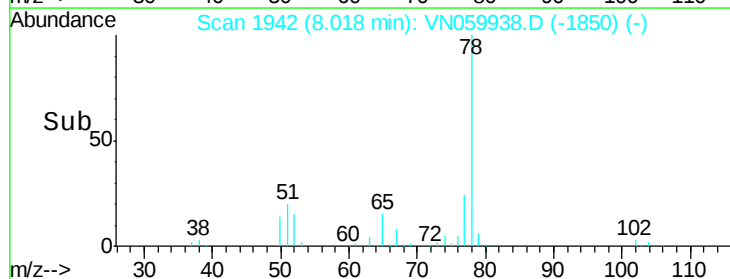
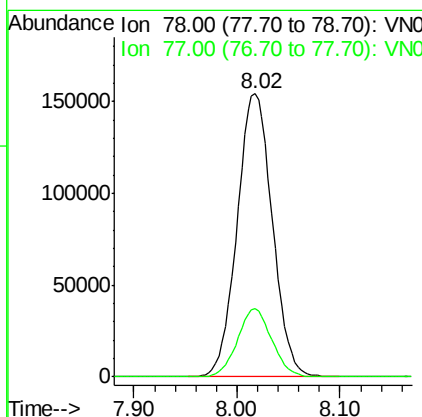
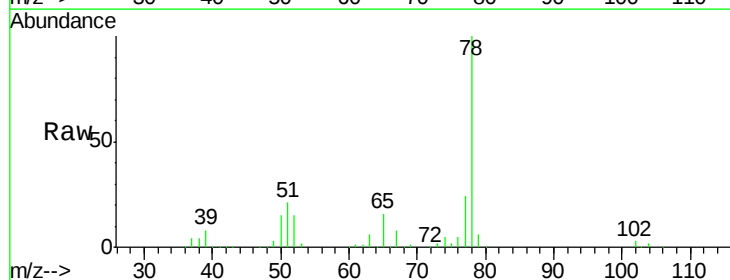
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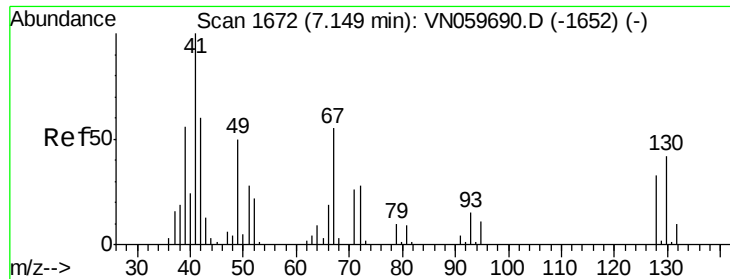
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#40
Benzene
Concen: 49.753 ug/l
RT: 8.02 min Scan# 1942
Delta R.T. -0.00 min
Lab File: VN059938.D
Acq: 31 Jan 2020 10:54

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	366160		
77	24.0	18.9	28.3	





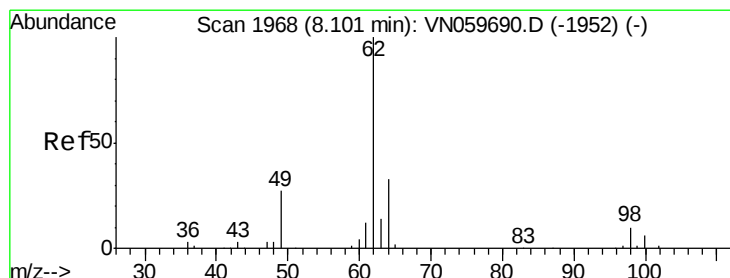
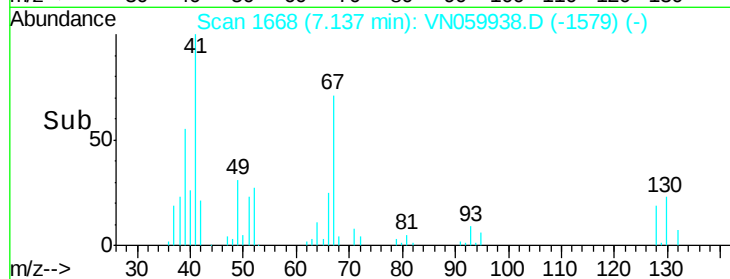
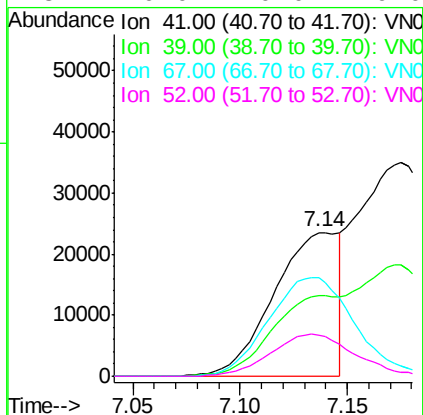
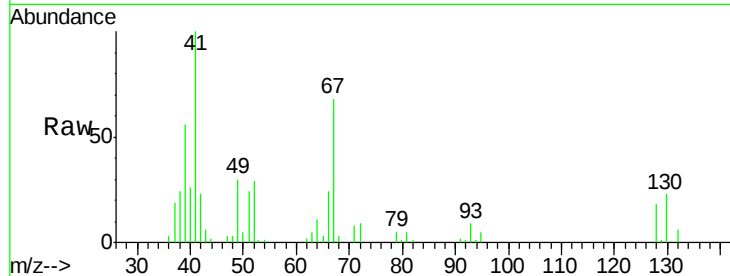
#41
Methacrylonitrile
Concen: 43.443 ug/l m
RT: 7.14 min Scan# 1668
Delta R.T. -0.01 min
Lab File: VN059938.D
Acq: 31 Jan 2020 10:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	41	Resp	49525
Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

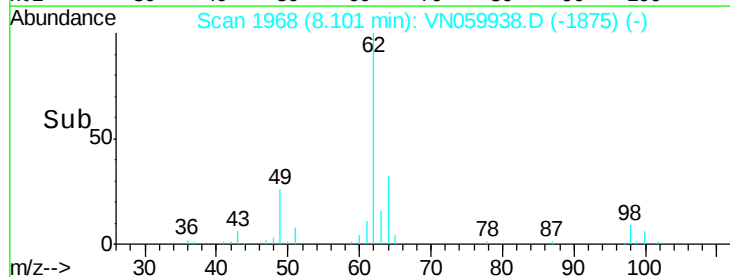
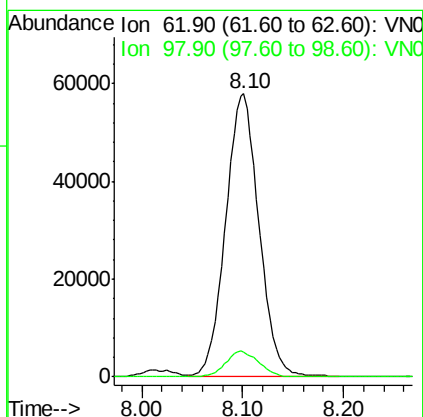
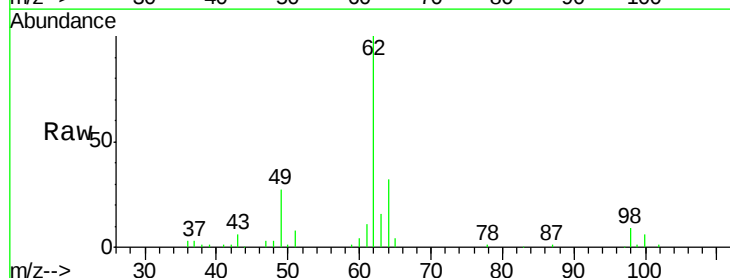
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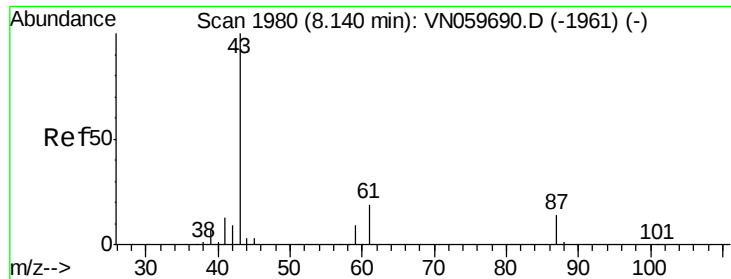
MMDadoda
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#42
1,2-Dichloroethane
Concen: 53.442 ug/l
RT: 8.10 min Scan# 1968
Delta R.T. 0.00 min
Lab File: VN059938.D
Acq: 31 Jan 2020 10:54

Tgt Ion	62	Resp	133353
Ion	Ratio	Lower	Upper
62	100		
98	9.0	0.0	15.8





#43

Isopropyl Acetate

Concen: 47.204 ug/l

RT: 8.14 min Scan# 1979

Delta R.T. -0.00 min

Lab File: VN059938.D

Acq: 31 Jan 2020 10:54

Instrument :

MSVOA_N

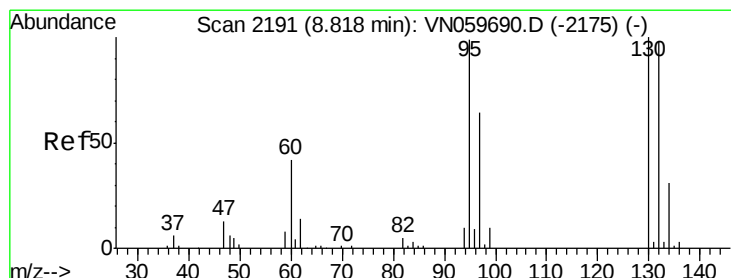
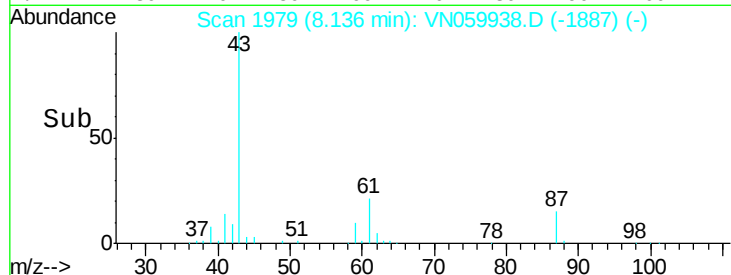
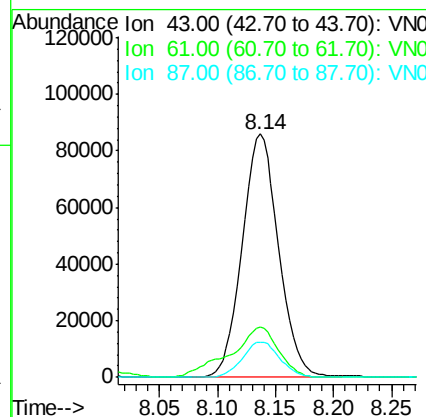
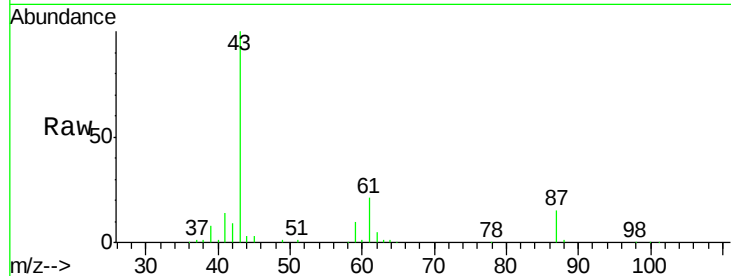
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	187920
Ion	Ratio	Lower	Upper
43	100		
61	26.9	20.2	30.2
87	14.8	9.5	14.3#

Manual Integrations
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#44

Trichloroethene

Concen: 53.349 ug/l

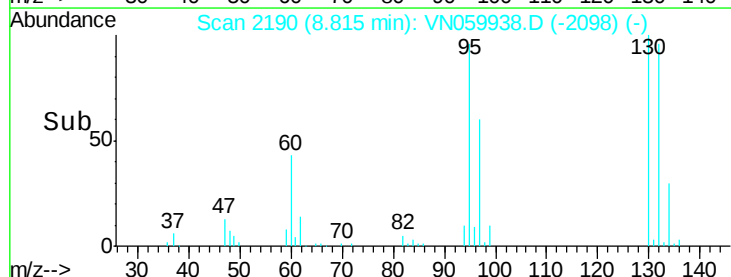
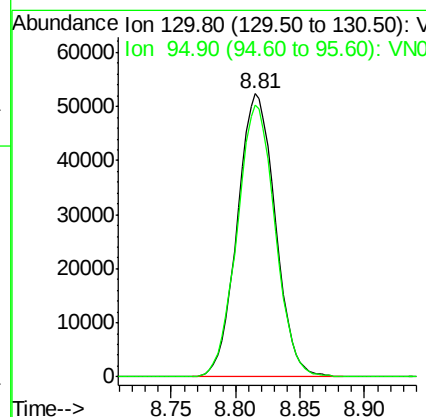
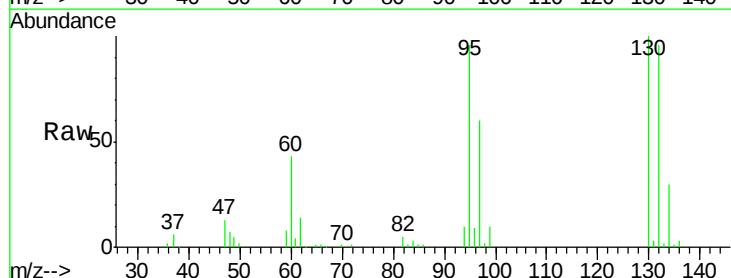
RT: 8.81 min Scan# 2190

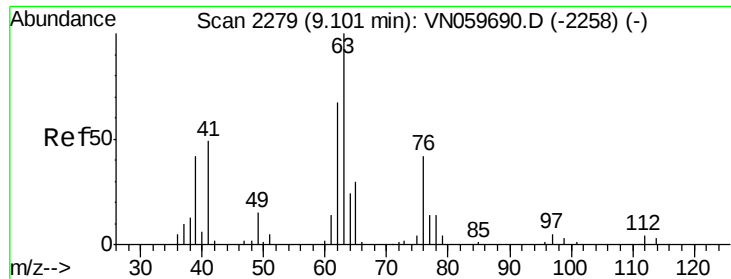
Delta R.T. -0.00 min

Lab File: VN059938.D

Acq: 31 Jan 2020 10:54

Tgt Ion:	130	Resp:	107182
Ion	Ratio	Lower	Upper
130	100		
95	96.1	0.0	207.0





#45

1,2-Dichloropropane

Concen: 52.412 ug/l

RT: 9.10 min Scan# 2278

Delta R.T. -0.00 min

Lab File: VN059938.D

Acq: 31 Jan 2020 10:54

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 63 Resp: 95448

Ion Ratio Lower Upper

63 100

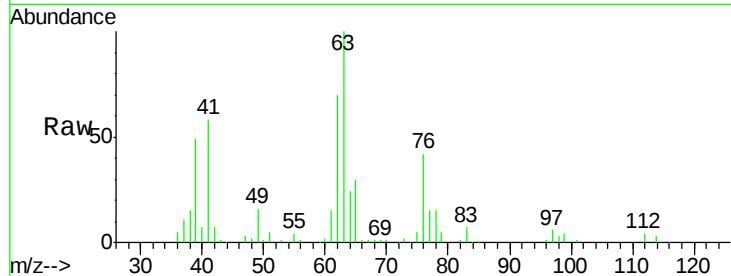
65 30.1 24.9 37.3

Manual Integrations

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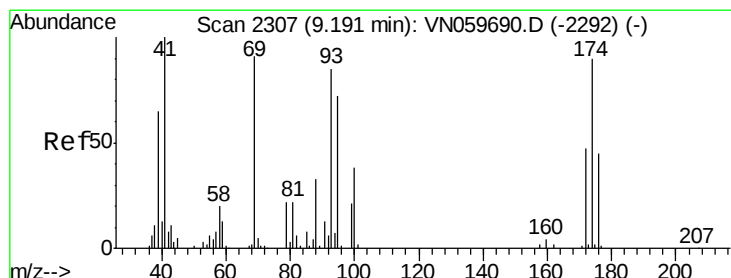
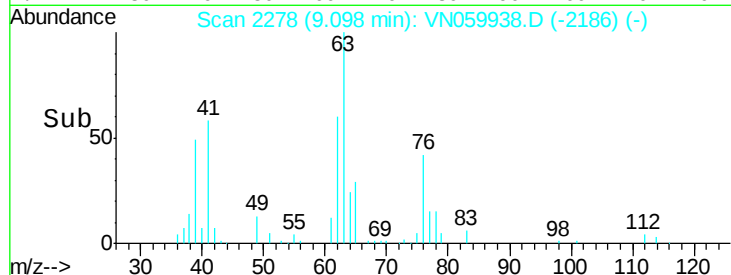
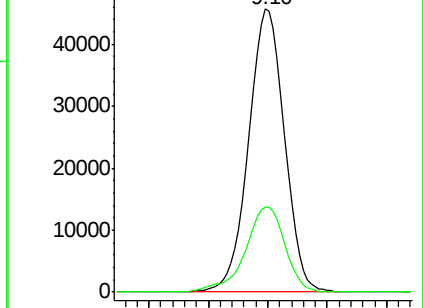
MMDadoda

2/4/2020 12:50:37 PM



Abundance Ion 62.90 (62.60 to 63.60): VN059938.D (-2186) (-)

Ion 64.90 (64.60 to 65.60): VN059938.D (-2186) (-)



#46

Dibromomethane

Concen: 51.608 ug/l

RT: 9.19 min Scan# 2306

Delta R.T. -0.00 min

Lab File: VN059938.D

Acq: 31 Jan 2020 10:54

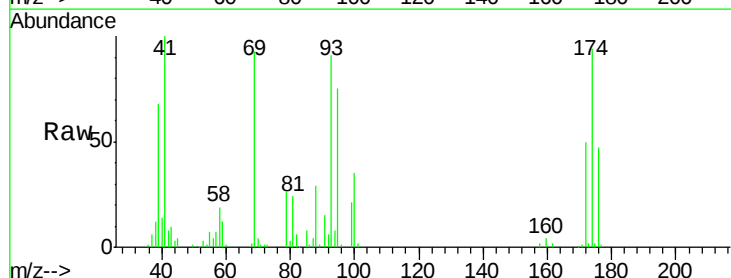
Tgt Ion: 93 Resp: 66298

Ion Ratio Lower Upper

93 100

95 83.3 67.0 100.6

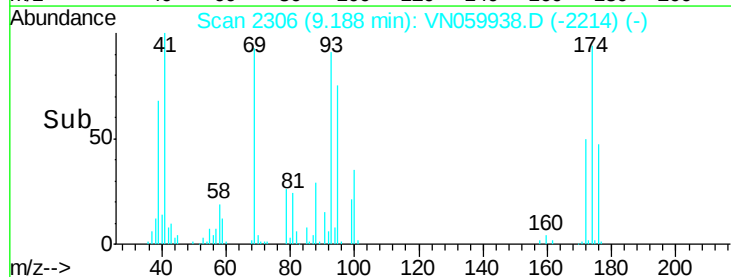
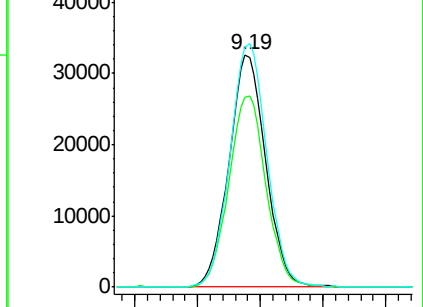
174 105.3 73.4 110.2



Abundance Ion 92.80 (92.50 to 93.50): VN059938.D (-2214) (-)

Ion 94.80 (94.50 to 95.50): VN059938.D (-2214) (-)

Ion 173.70 (173.40 to 174.40): VN059938.D (-2214) (-)





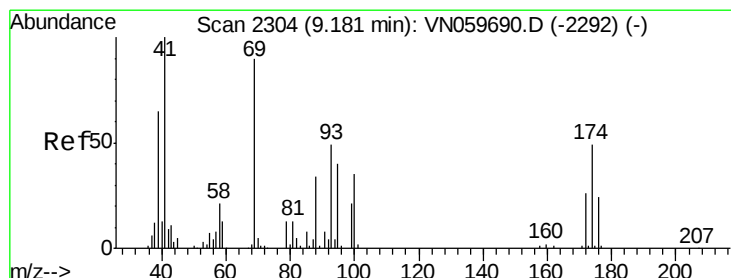
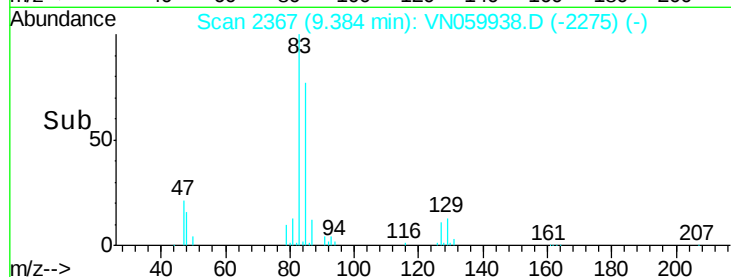
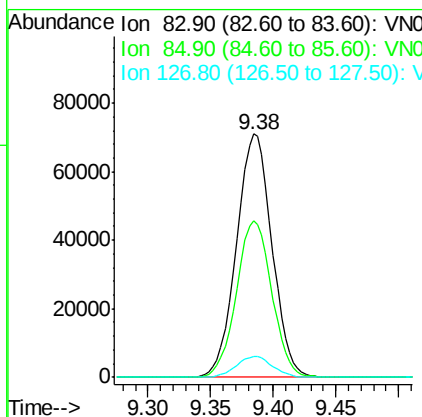
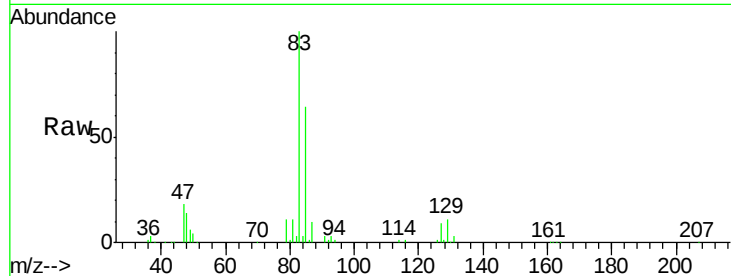
#47
Bromodichloromethane
Concen: 53.940 ug/l
RT: 9.38 min Scan# 2367
Delta R.T. -0.00 min
Lab File: VN059938.D
Acq: 31 Jan 2020 10:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	83	Resp	139637
Ion Ratio	100		
85	64.2	51.1	76.7
127	8.8	6.6	9.8

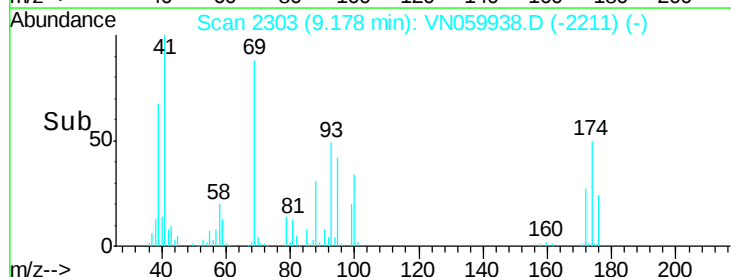
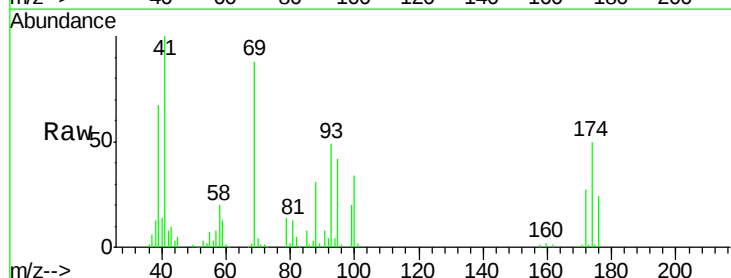
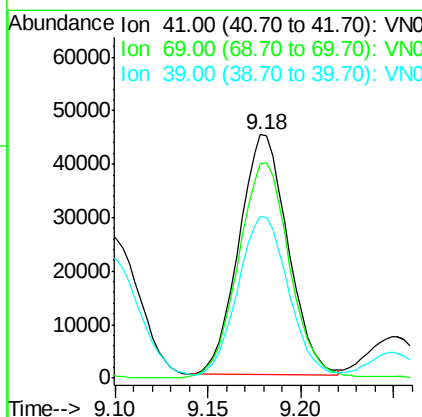
Manual Integrations
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MMDadoda
2/4/2020 12:50:37 PM



#48
Methyl methacrylate
Concen: 46.609 ug/l
RT: 9.18 min Scan# 2303
Delta R.T. -0.00 min
Lab File: VN059938.D
Acq: 31 Jan 2020 10:54

Tgt Ion	41	Resp	82996
Ion Ratio	100		
69	93.7	64.4	96.6
39	70.2	51.3	76.9





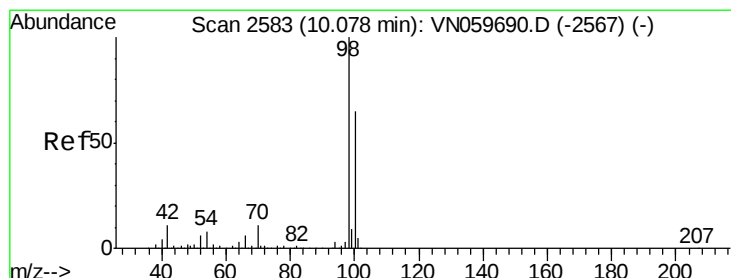
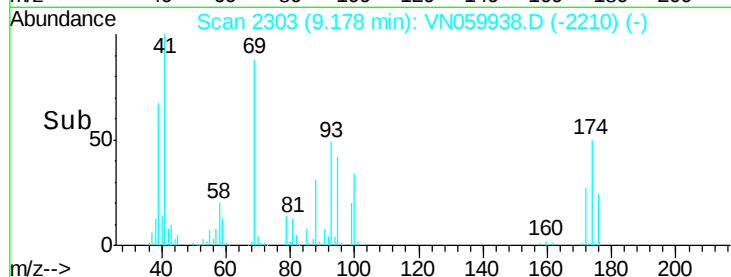
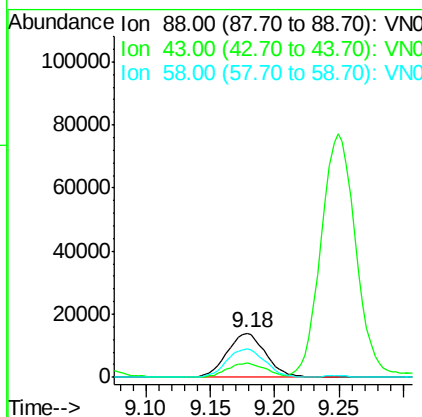
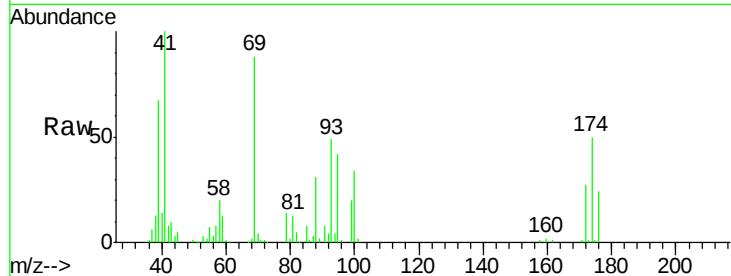
#49
1,4-Dioxane
Concen: 887.692 ug/l
RT: 9.18 min Scan# 2303
Delta R.T. 0.00 min
Lab File: VN059938.D
Acq: 31 Jan 2020 10:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	32.3	29.7	44.5
58	64.7	56.6	85.0

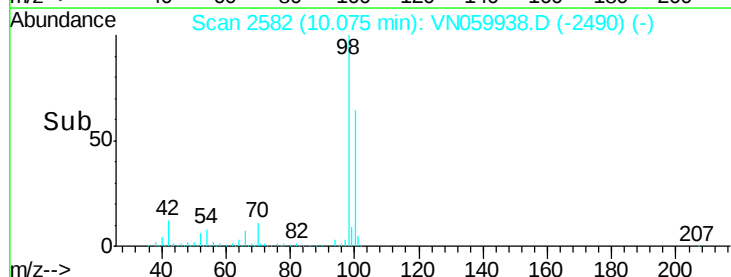
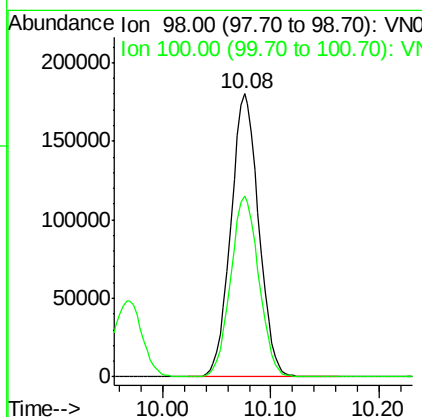
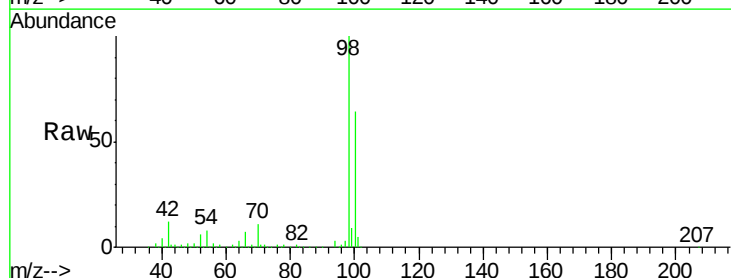
Manual Integrations
APPROVED

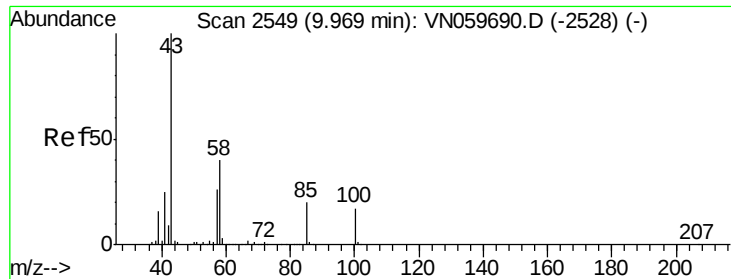
MMDadoda
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#50
Toluene-d8
Concen: 49.565 ug/l
RT: 10.08 min Scan# 2582
Delta R.T. -0.00 min
Lab File: VN059938.D
Acq: 31 Jan 2020 10:54

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.7	51.2	76.8





#51

4-Methyl-2-Pentanone

Concen: 236.454 ug/l

RT: 9.97 min Scan# 2548

Delta R.T. -0.00 min

Lab File: VN059938.D

Acq: 31 Jan 2020 10:54

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 544150

Ion Ratio Lower Upper

43 100

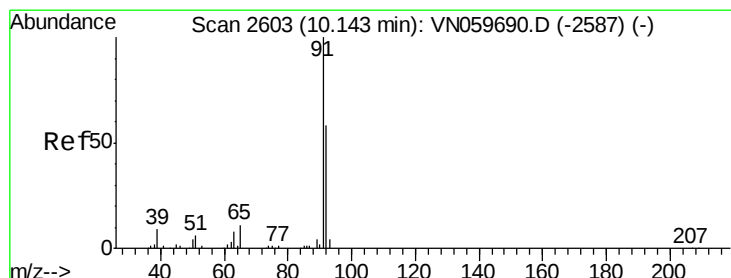
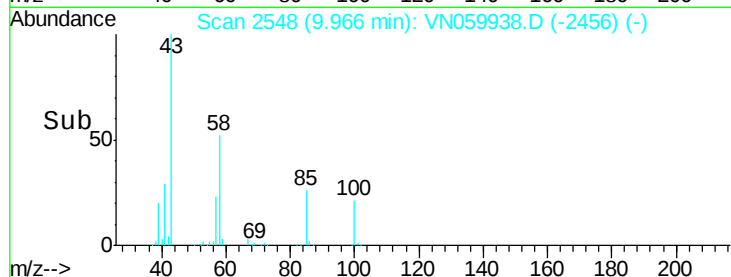
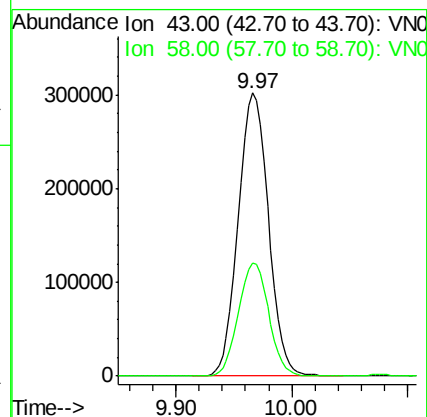
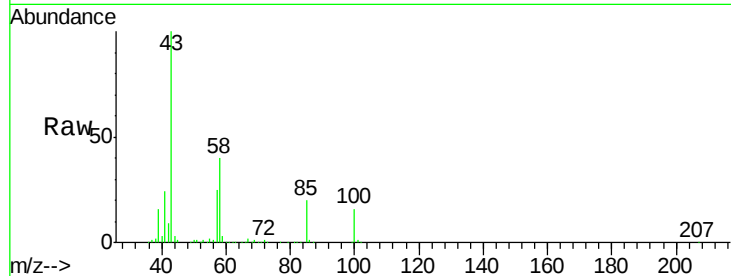
58 40.2 29.8 44.8

Manual Integrations

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#52

Toluene

Concen: 51.598 ug/l

RT: 10.14 min Scan# 2602

Delta R.T. -0.00 min

Lab File: VN059938.D

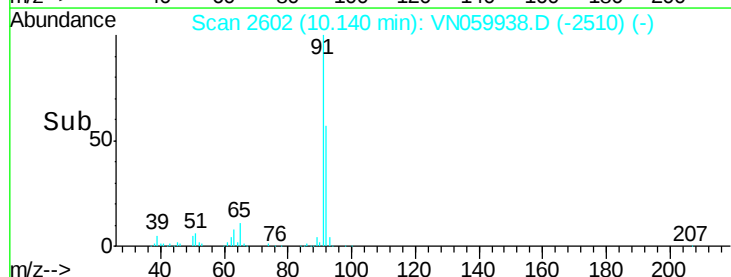
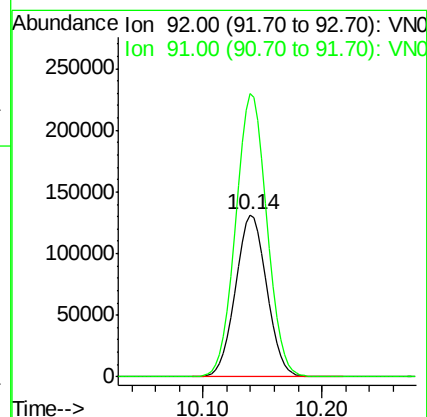
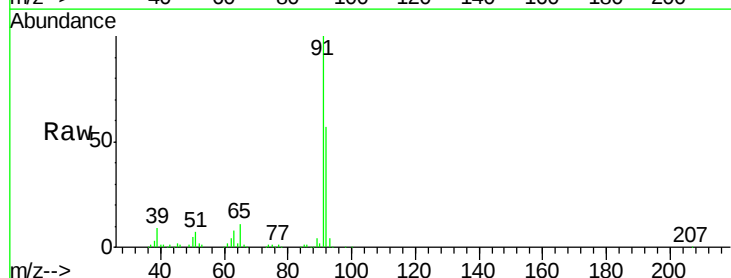
Acq: 31 Jan 2020 10:54

Tgt Ion: 92 Resp: 239858

Ion Ratio Lower Upper

92 100

91 174.2 140.4 210.6





#53

t-1,3-Dichloropropene

Concen: 53.207 ug/l

RT: 10.37 min Scan# 2673

Delta R.T. -0.00 min

Lab File: VN059938.D

Acq: 31 Jan 2020 10:54

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 153797

Ion Ratio Lower Upper

75 100

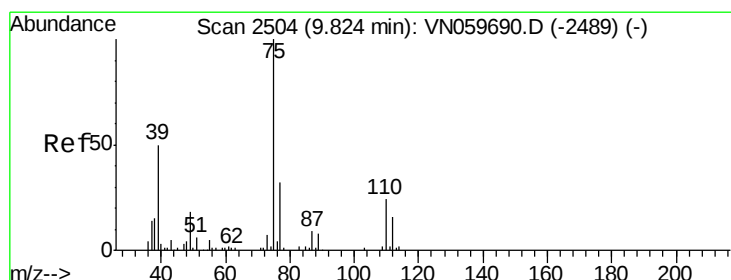
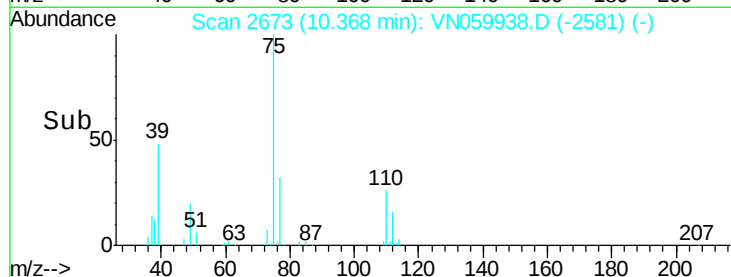
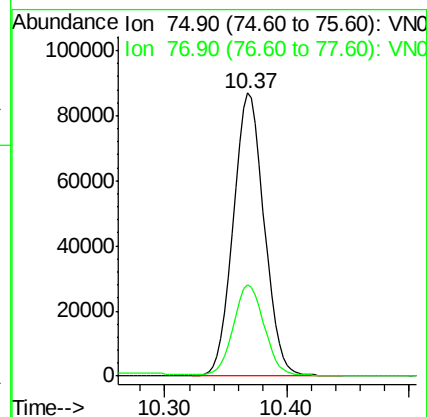
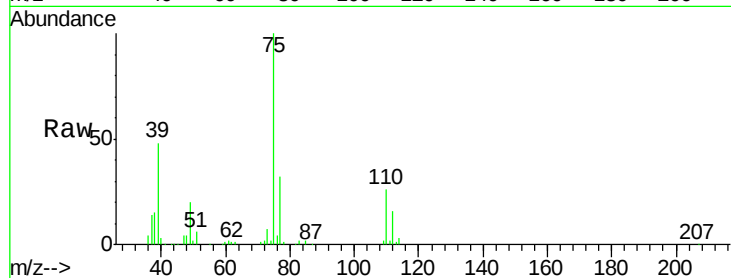
77 32.0 25.4 38.2

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 54.252 ug/l

RT: 9.82 min Scan# 2504

Delta R.T. 0.00 min

Lab File: VN059938.D

Acq: 31 Jan 2020 10:54

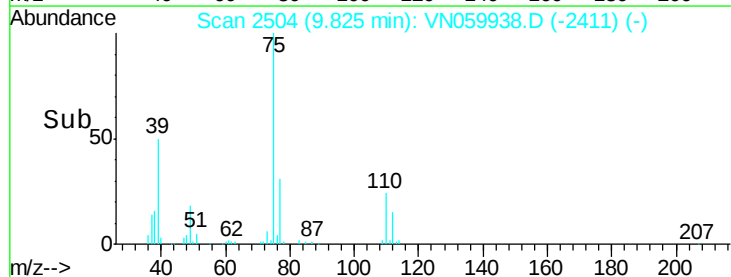
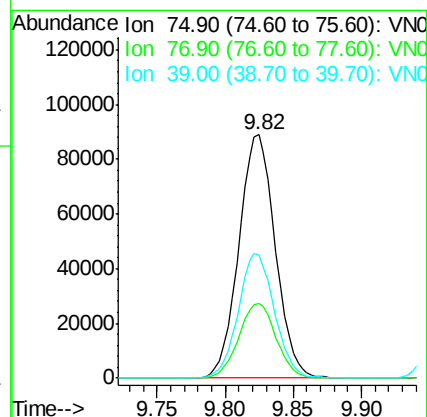
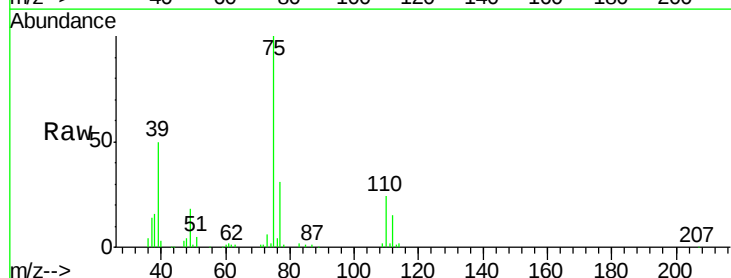
Tgt Ion: 75 Resp: 165003

Ion Ratio Lower Upper

75 100

77 30.9 25.1 37.7

39 50.4 46.1 69.1





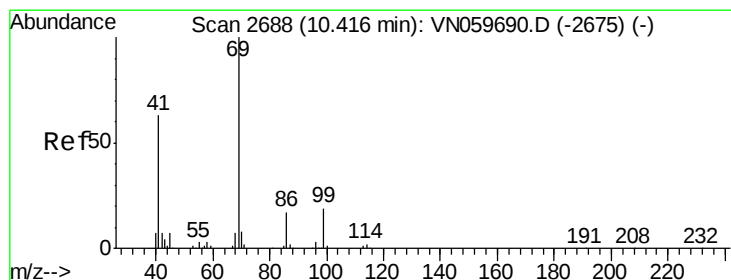
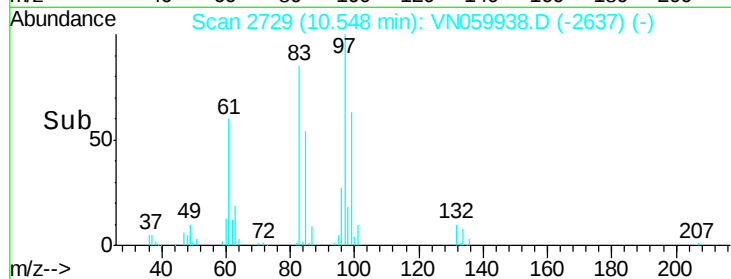
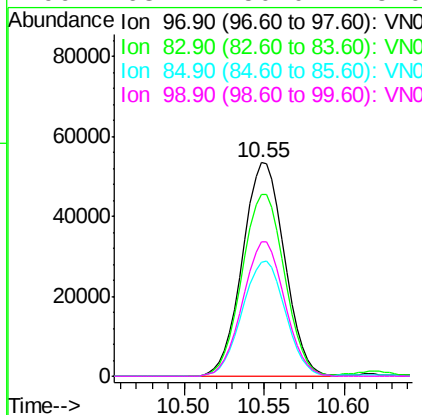
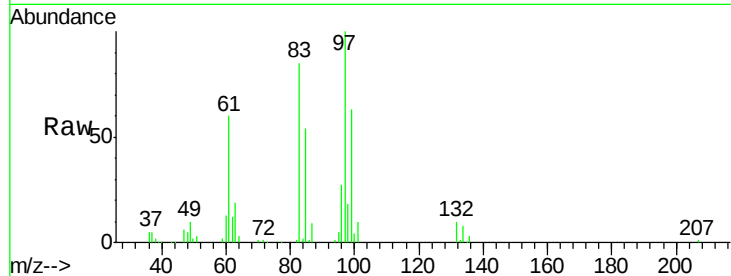
#55
 1,1,2-Trichloroethane
 Concen: 52.196 ug/l
 RT: 10.55 min Scan# 2729
 Delta R.T. -0.00 min
 Lab File: VN059938.D
 Acq: 31 Jan 2020 10:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	96099
Ion	Ratio	Lower	Upper
97	100		
83	85.4	71.3	106.9
85	53.5	45.8	68.8
99	63.2	50.0	75.0

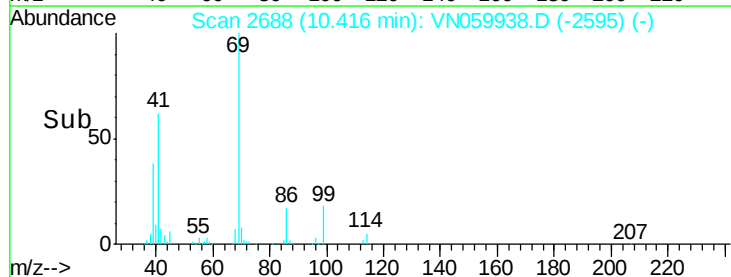
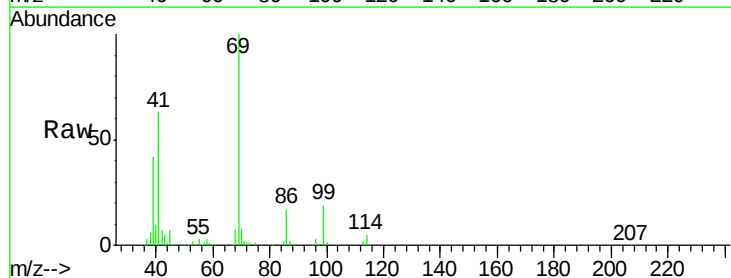
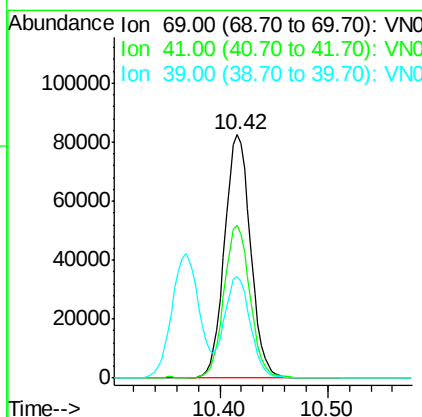
Manual Integrations
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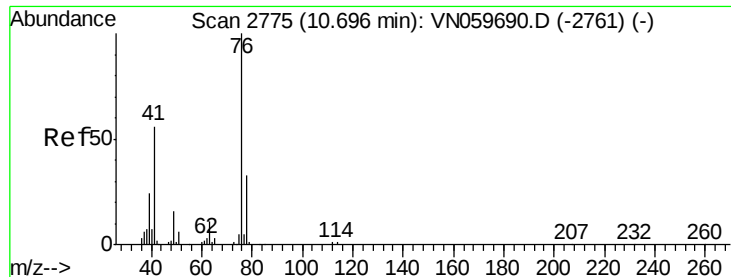
MMDadoda
 2/4/2020 12:50:37 PM



#56
 Ethyl methacrylate
 Concen: 49.178 ug/l
 RT: 10.42 min Scan# 2688
 Delta R.T. 0.00 min
 Lab File: VN059938.D
 Acq: 31 Jan 2020 10:54

Tgt Ion:	69	Resp:	138349
Ion	Ratio	Lower	Upper
69	100		
41	63.3	57.1	85.7
39	41.0	34.7	52.1





#57

1,3-Dichloropropane

Concen: 53.165 ug/l

RT: 10.70 min Scan# 2775

Delta R.T. 0.00 min

Lab File: VN059938.D

Acq: 31 Jan 2020 10:54

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 155402

Ion Ratio Lower Upper

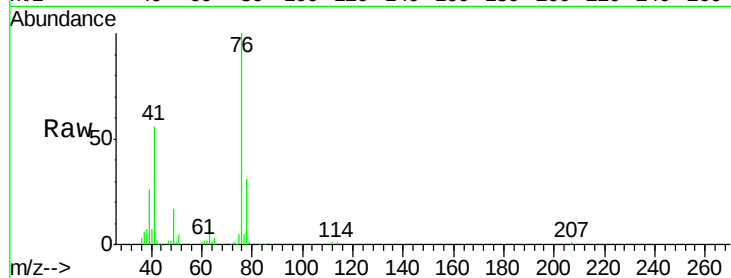
76 100

78 32.1 25.8 38.8

Manual Integrations
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Abundance Ion 75.90 (75.60 to 76.60): VN059938.D (-2682) (-)

Ion 77.90 (77.60 to 78.60): VN059938.D (-2682) (-)

10.70

80000

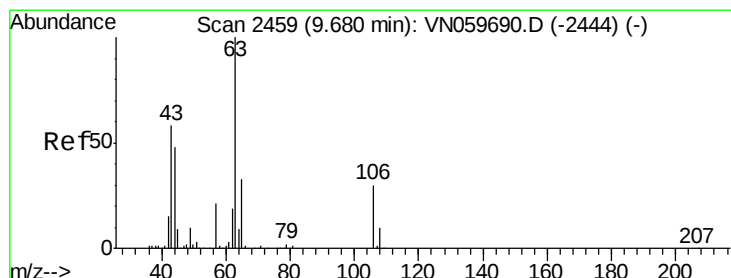
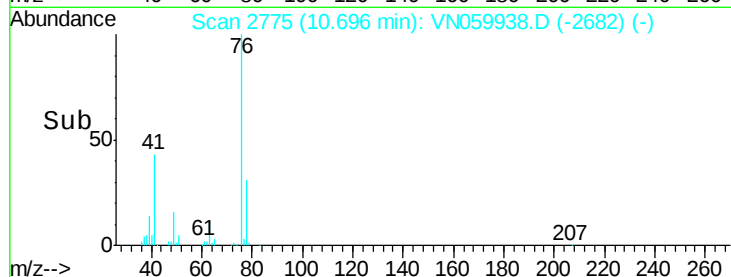
60000

40000

20000

0

Time--> 10.60 10.70 10.80



#58

2-Chloroethyl Vinyl ether

Concen: 307.204 ug/l

RT: 9.68 min Scan# 2458

Delta R.T. -0.00 min

Lab File: VN059938.D

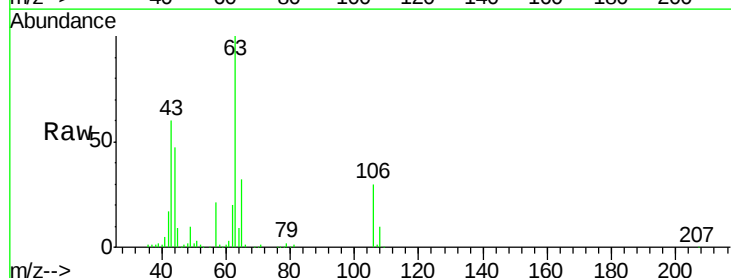
Acq: 31 Jan 2020 10:54

Tgt Ion: 63 Resp: 260312

Ion Ratio Lower Upper

63 100

106 29.4 20.2 30.2



Abundance Ion 62.90 (62.60 to 63.60): VN059938.D (-2366) (-)

Ion 105.90 (105.60 to 106.60): VN059938.D (-2366) (-)

9.68

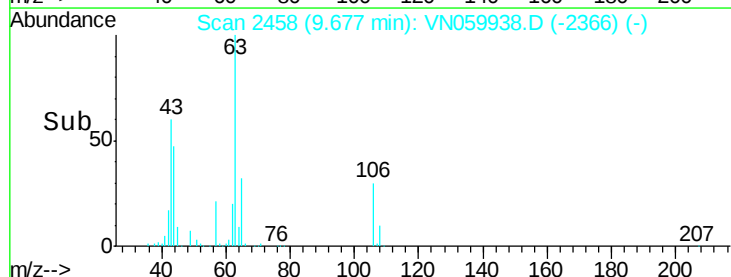
150000

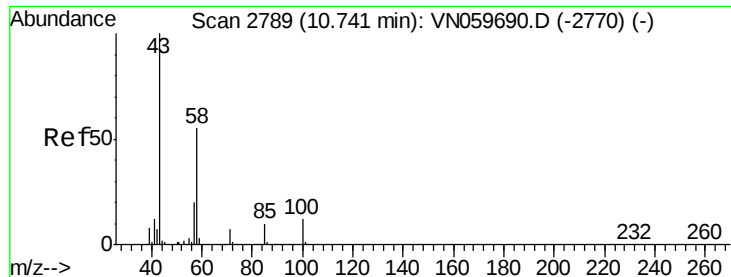
100000

50000

0

Time--> 9.60 9.65 9.70 9.75 9.80





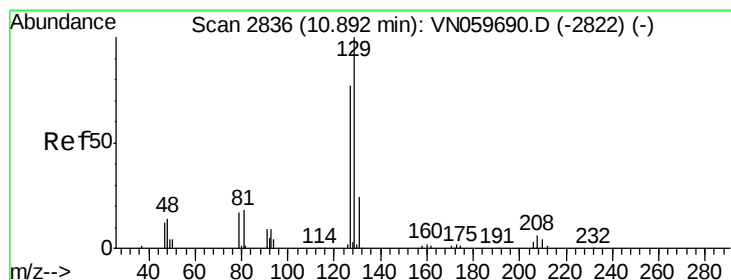
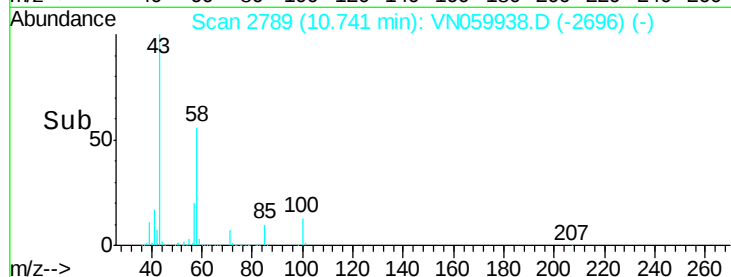
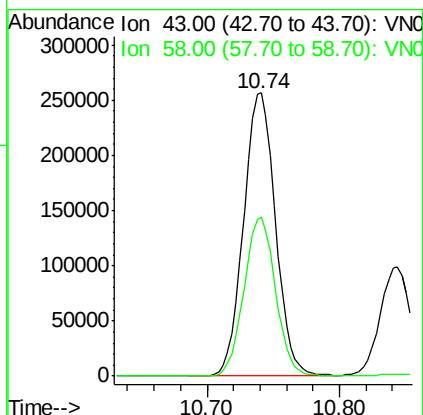
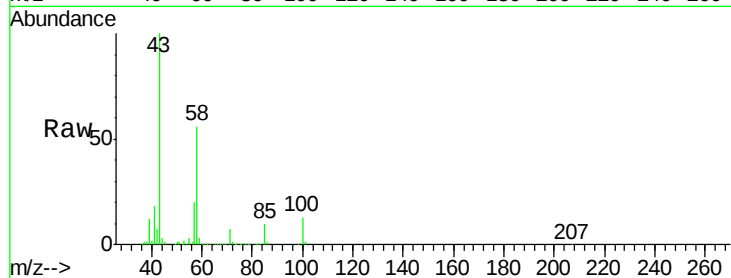
#59
2-Hexanone
Concen: 253.066 ug/l
RT: 10.74 min Scan# 2789
Delta R.T. 0.00 min
Lab File: VN059938.D
Acq: 31 Jan 2020 10:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 429040
Ion Ratio Lower Upper
43 100
58 55.6 25.8 77.3

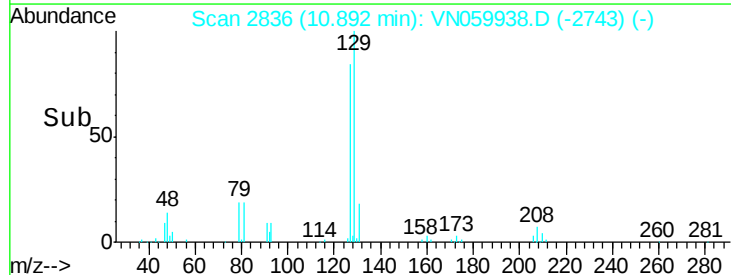
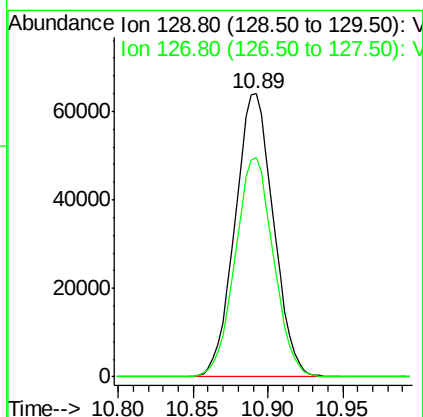
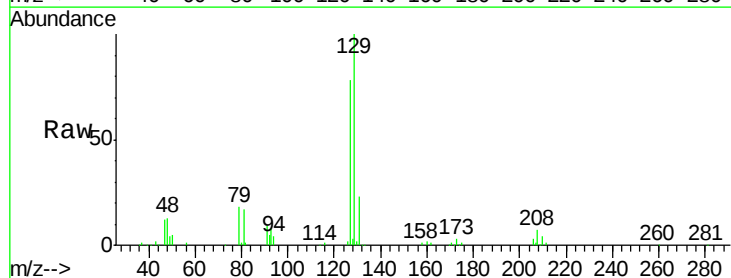
Manual Integrations
APPROVED

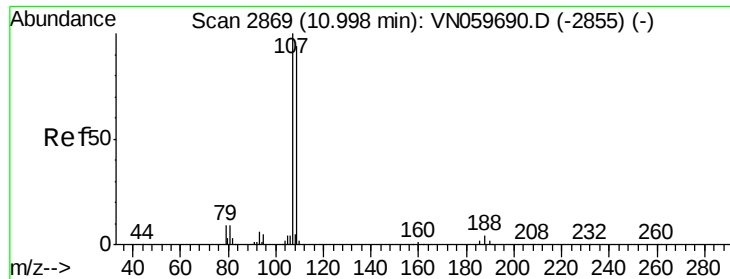
MMDadoda
2/4/2020 12:50:37 PM



#60
Dibromochloromethane
Concen: 54.668 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. 0.00 min
Lab File: VN059938.D
Acq: 31 Jan 2020 10:54

Tgt Ion: 129 Resp: 114618
Ion Ratio Lower Upper
129 100
127 77.1 38.5 115.5





#61

1,2-Dibromoethane

Concen: 51.332 ug/l

RT: 10.99 min Scan# 2868

Delta R.T. -0.00 min

Lab File: VN059938.D

Acq: 31 Jan 2020 10:54

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:107 Resp: 99057

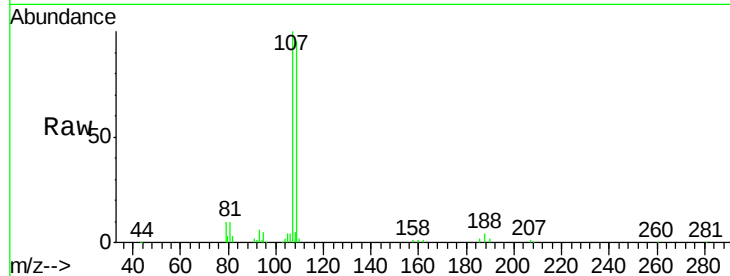
Ion Ratio Lower Upper

107 100

109 94.7 76.6 115.0

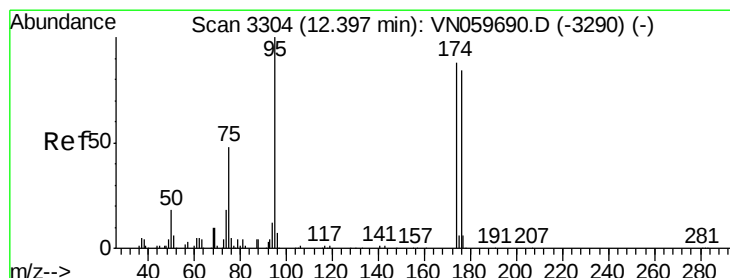
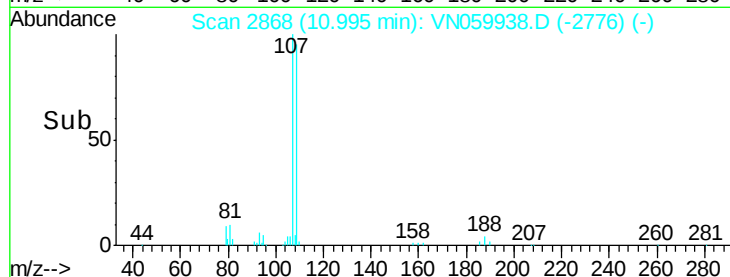
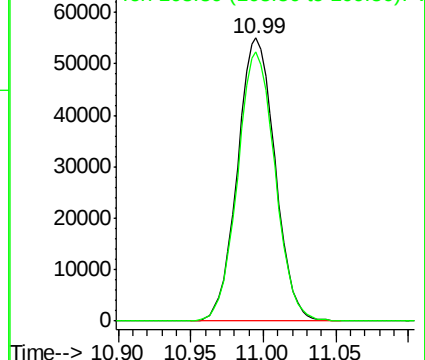
Manual Integrations
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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 51.460 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.00 min

Lab File: VN059938.D

Acq: 31 Jan 2020 10:54

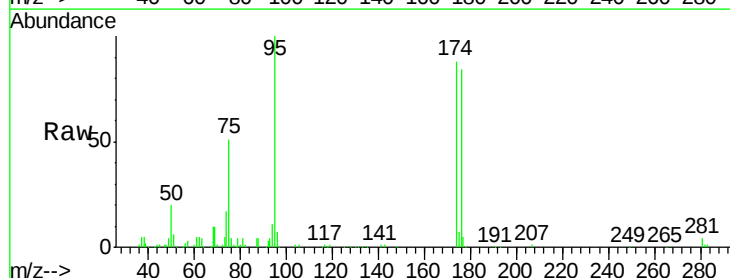
Tgt Ion: 95 Resp: 121463

Ion Ratio Lower Upper

95 100

174 86.2 0.0 151.4

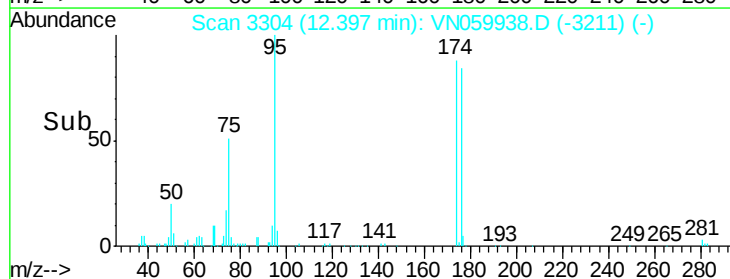
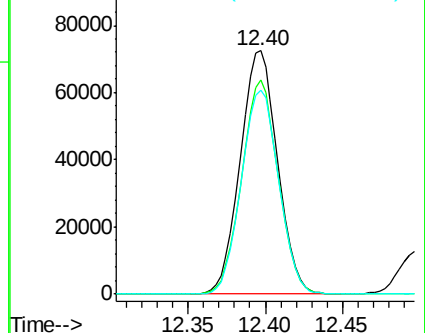
176 84.2 0.0 146.0

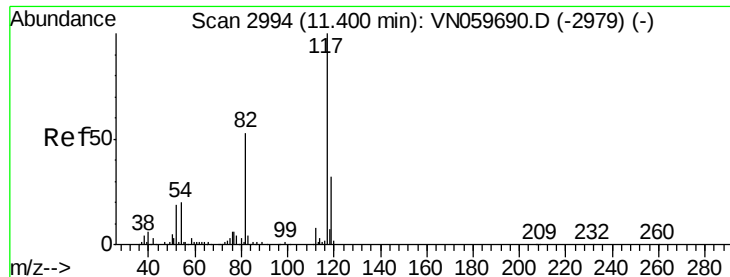


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





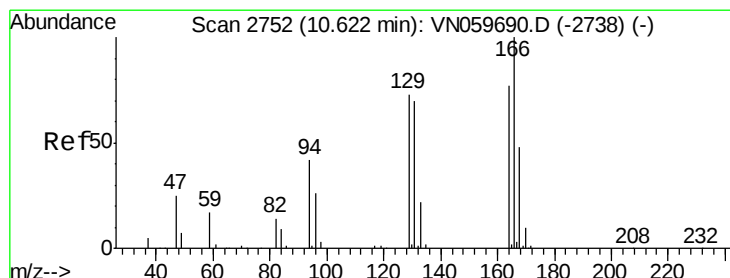
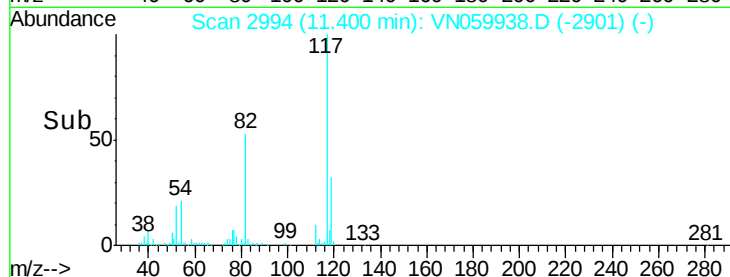
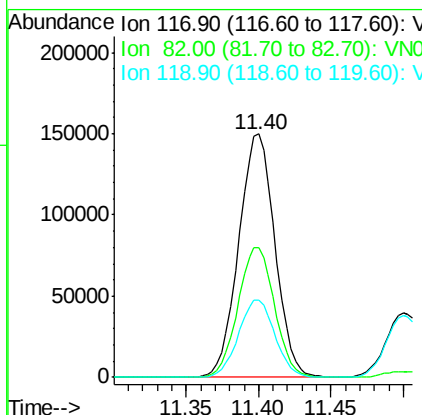
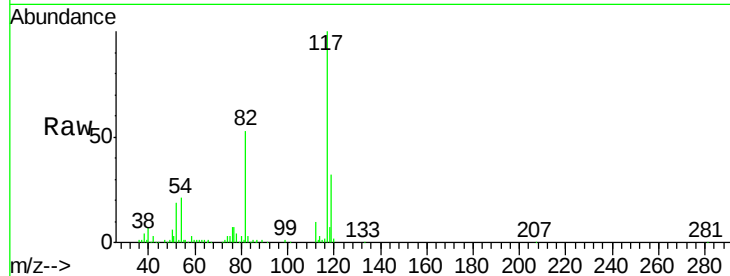
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN059938.D
Acq: 31 Jan 2020 10:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.1	45.9	68.9
119	31.7	25.5	38.3

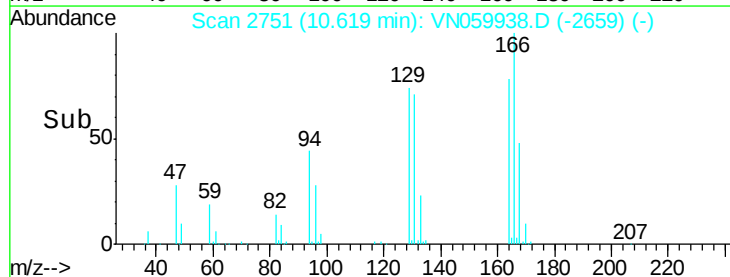
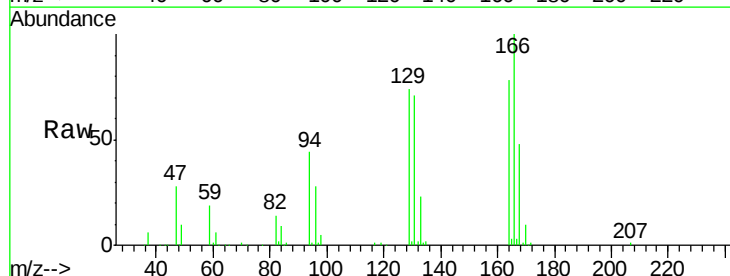
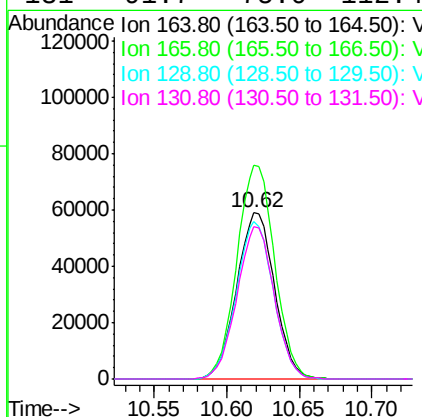
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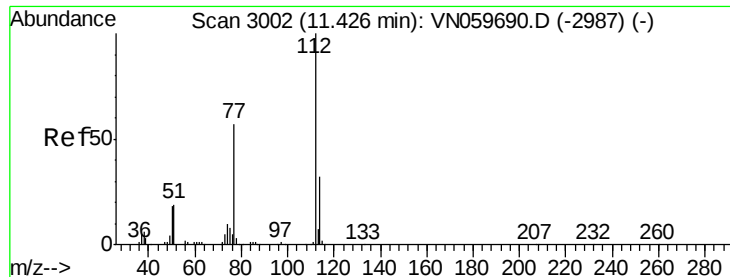
MMDadoda
2/4/2020 12:50:37 PM



#64
Tetrachloroethene
Concen: 50.549 ug/l
RT: 10.62 min Scan# 2751
Delta R.T. -0.00 min
Lab File: VN059938.D
Acq: 31 Jan 2020 10:54

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.7	101.4	152.0
129	95.1	80.2	120.4
131	91.7	75.0	112.4





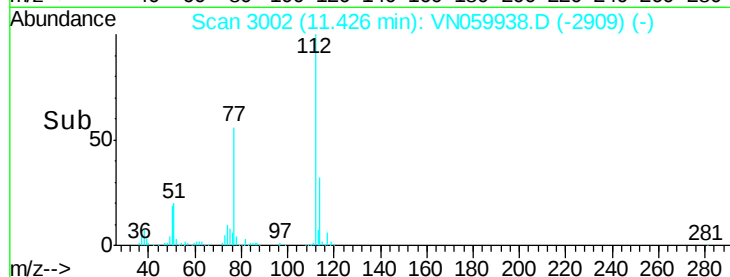
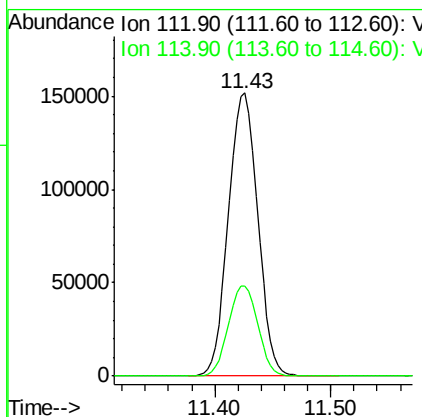
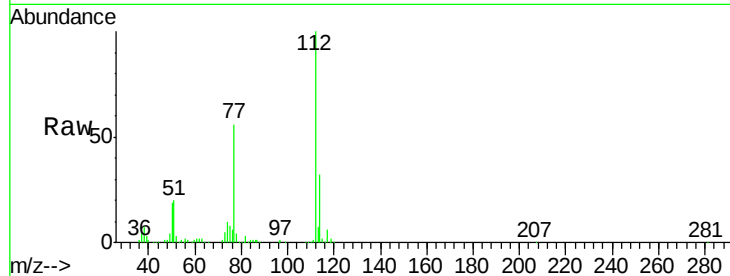
#65
Chlorobenzene
Concen: 52.008 ug/l
RT: 11.43 min Scan# 3002
Delta R.T. 0.00 min
Lab File: VN059938.D
Acq: 31 Jan 2020 10:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.0	25.8	38.8

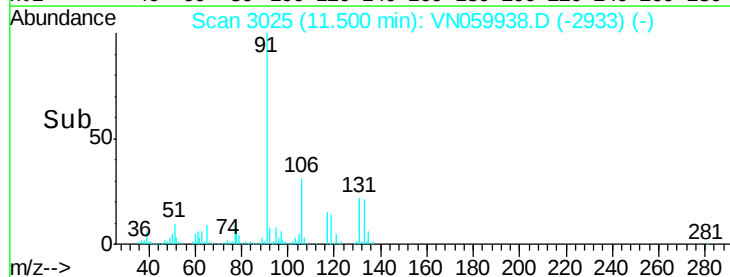
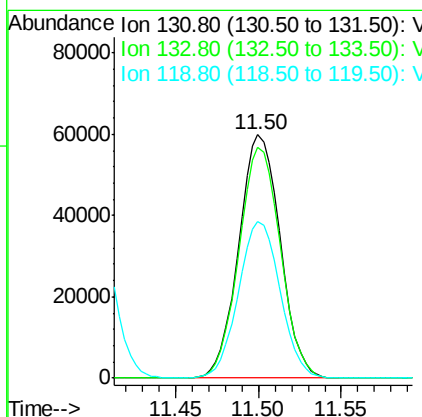
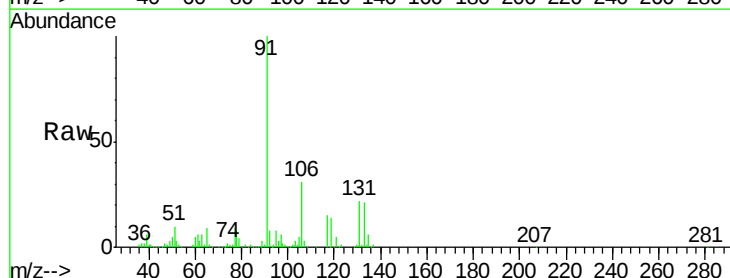
Manual Integrations
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#66
1,1,1,2-Tetrachloroethane
Concen: 52.820 ug/l
RT: 11.50 min Scan# 3025
Delta R.T. -0.00 min
Lab File: VN059938.D
Acq: 31 Jan 2020 10:54

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.2	47.4	142.2
119	64.6	33.1	99.3





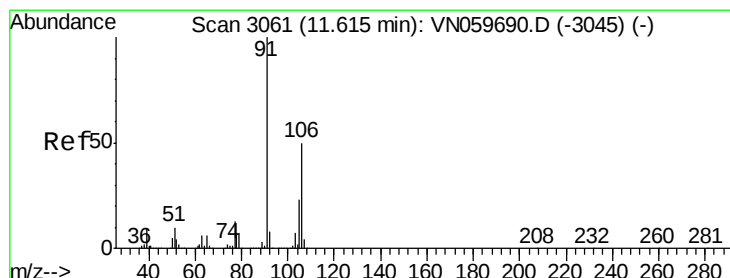
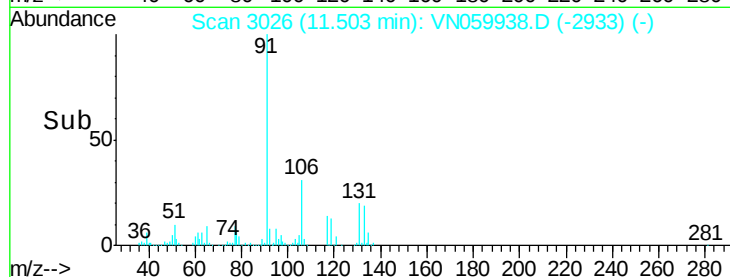
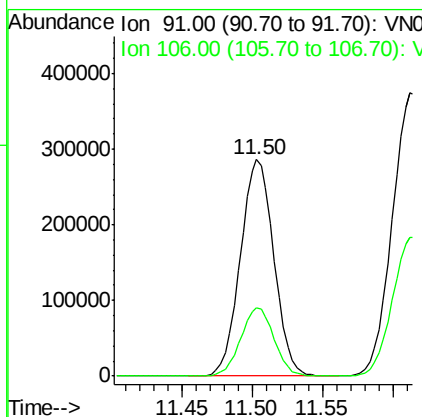
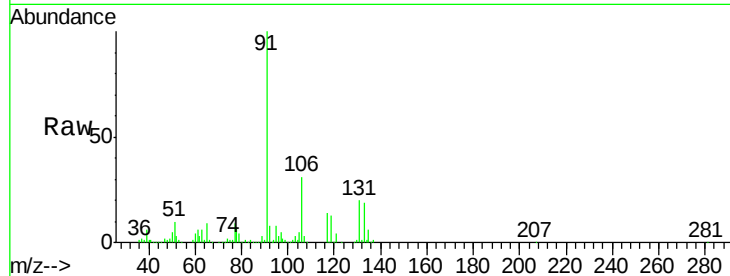
#67
Ethyl Benzene
Concen: 51.370 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. 0.00 min
Lab File: VN059938.D
Acq: 31 Jan 2020 10:54

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion: 91 Resp: 476484
Ion Ratio Lower Upper
91 100
106 31.4 24.1 36.1

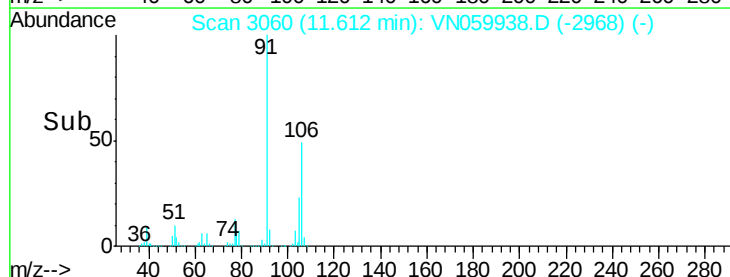
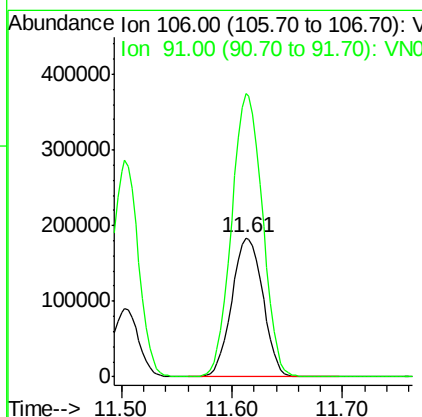
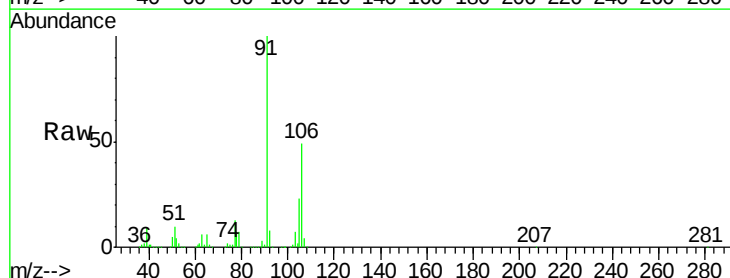
Manual Integrations
APPROVED

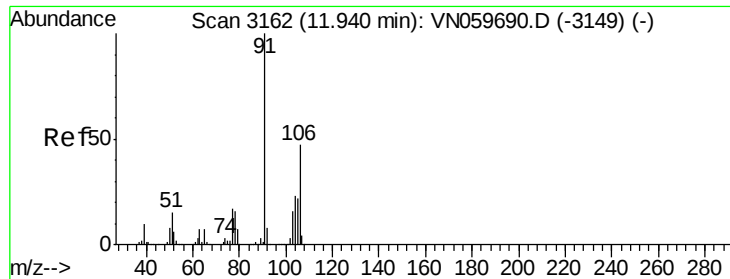
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2/4/2020 12:50:37 PM



#68
m/p-Xylenes
Concen: 102.640 ug/l
RT: 11.61 min Scan# 3060
Delta R.T. -0.00 min
Lab File: VN059938.D
Acq: 31 Jan 2020 10:54

Tgt Ion: 106 Resp: 359624
Ion Ratio Lower Upper
106 100
91 201.4 167.9 251.9





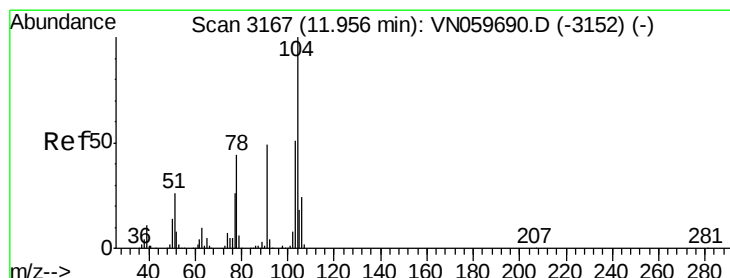
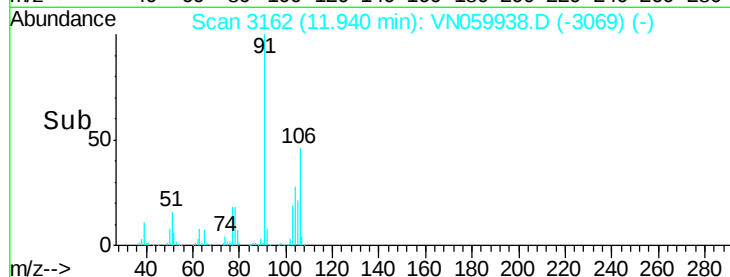
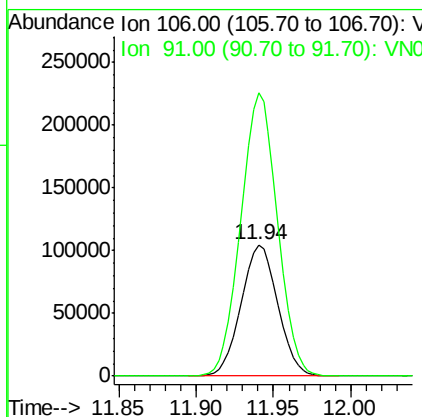
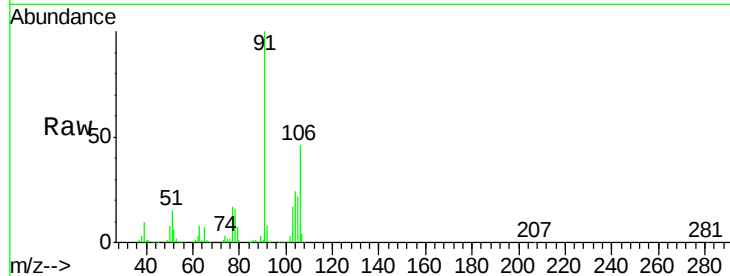
#69
o-Xylene
Concen: 50.333 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. 0.00 min
Lab File: VN059938.D
Acq: 31 Jan 2020 10:54

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	215.8	110.3	330.9	

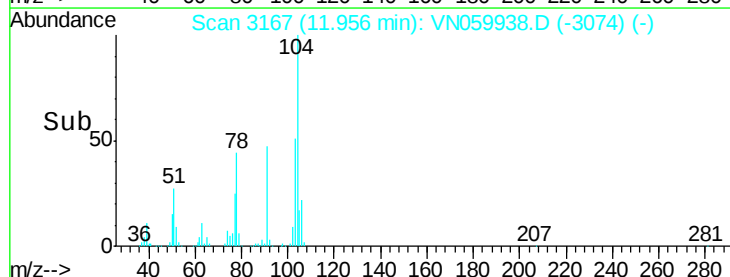
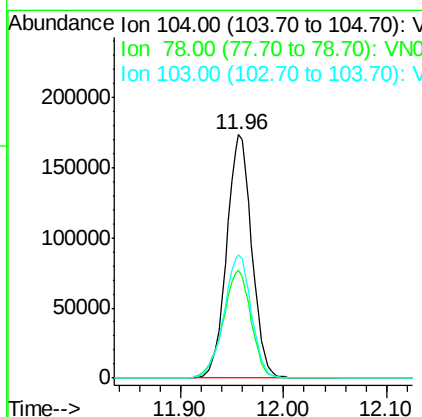
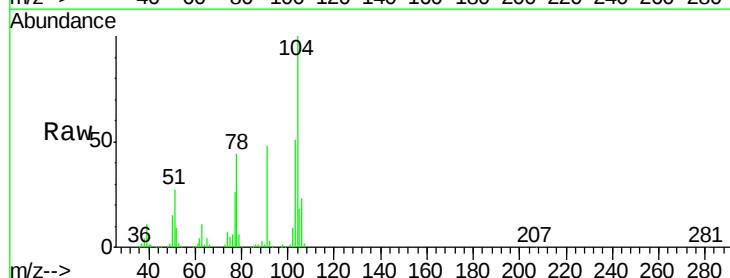
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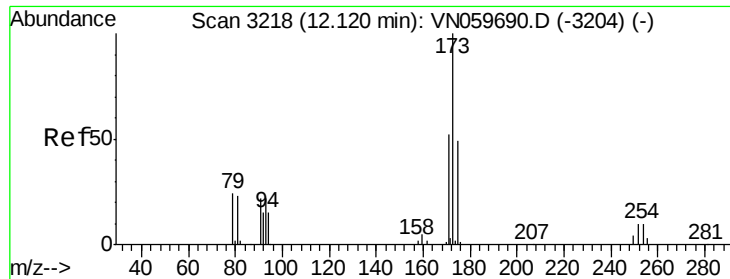
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2/4/2020 12:50:37 PM



#70
Styrene
Concen: 51.206 ug/l
RT: 11.96 min Scan# 3167
Delta R.T. 0.00 min
Lab File: VN059938.D
Acq: 31 Jan 2020 10:54

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	49.2	42.4	63.6	
103	55.0	43.9	65.9	





#71

Bromoform

Concen: 53.612 ug/l

RT: 12.12 min Scan# 3218

Delta R.T. 0.00 min

Lab File: VN059938.D

Acq: 31 Jan 2020 10:54

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 84786

Ion Ratio Lower Upper

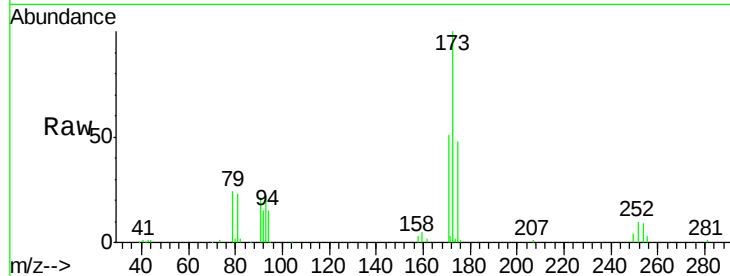
173 100

175 48.4 23.8 71.4

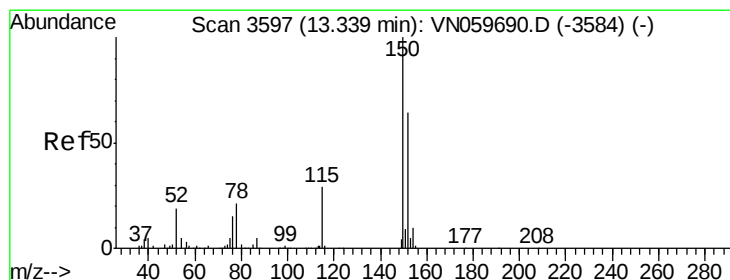
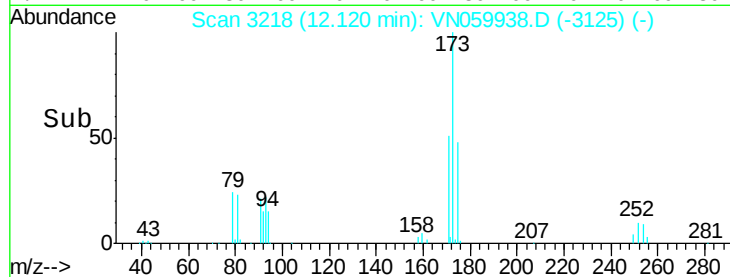
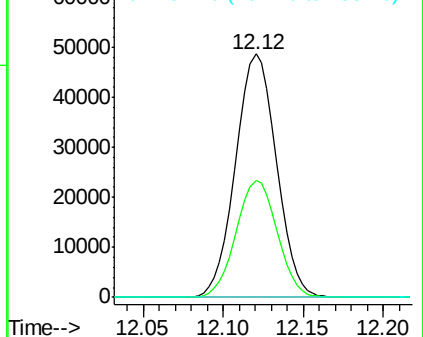
254 0.0 0.0 0.0

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3597

Delta R.T. 0.00 min

Lab File: VN059938.D

Acq: 31 Jan 2020 10:54

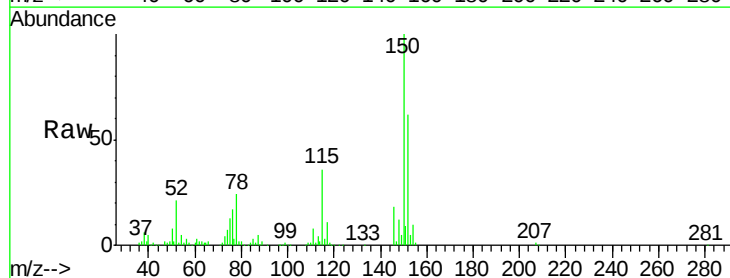
Tgt Ion:152 Resp: 130397

Ion Ratio Lower Upper

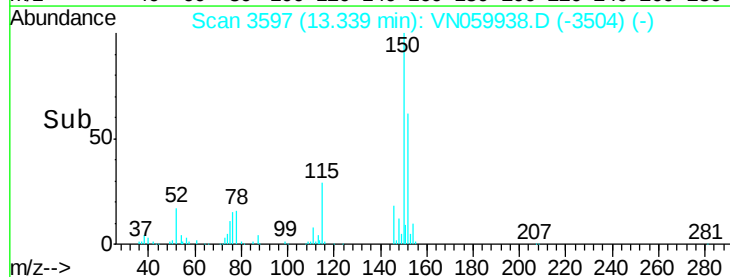
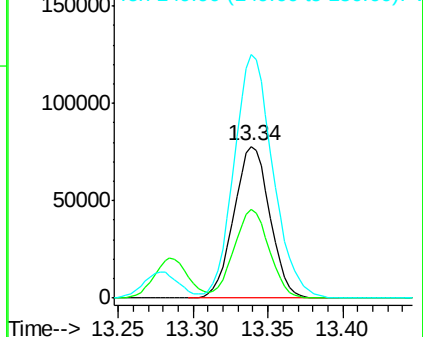
152 100

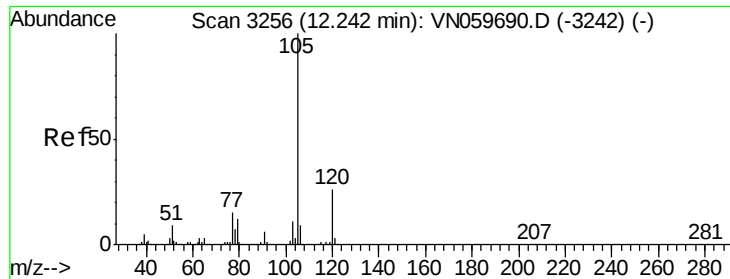
115 57.4 30.3 90.9

150 173.2 0.0 345.2



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





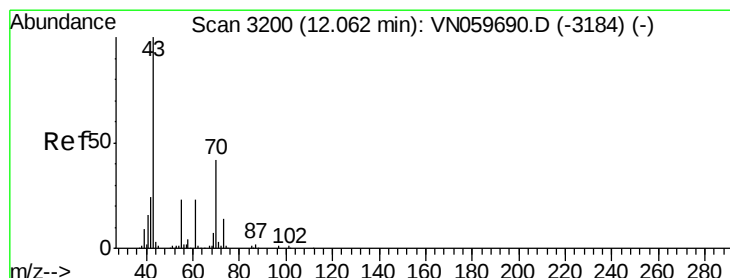
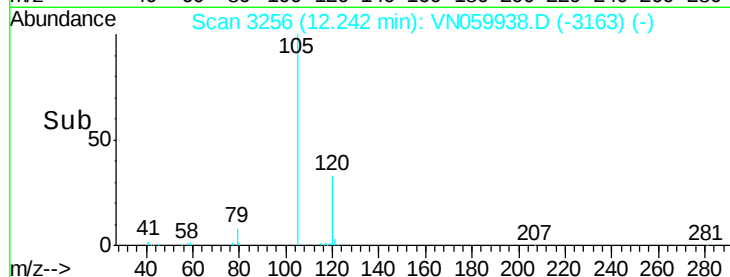
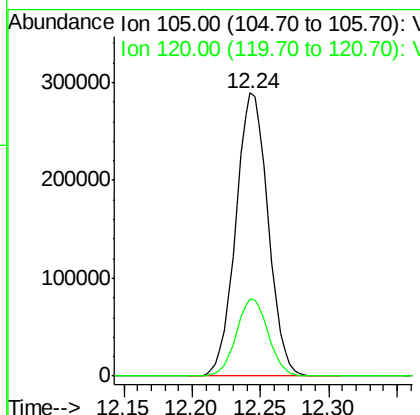
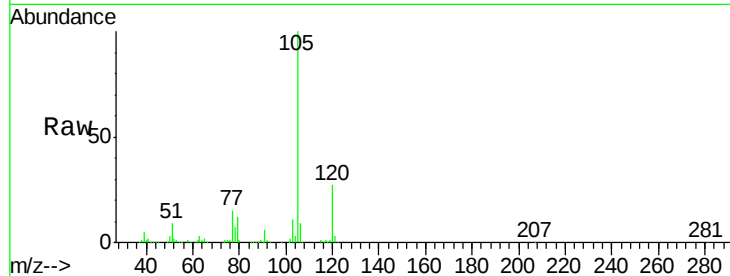
#73
Isopropylbenzene
Concen: 49.607 ug/l
RT: 12.24 min Scan# 3256
Delta R.T. 0.00 min
Lab File: VN059938.D
Acq: 31 Jan 2020 10:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.9	13.2	39.5

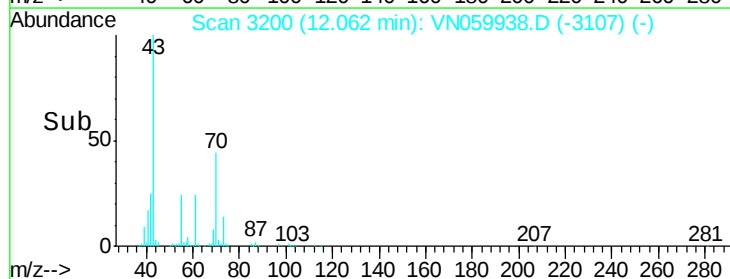
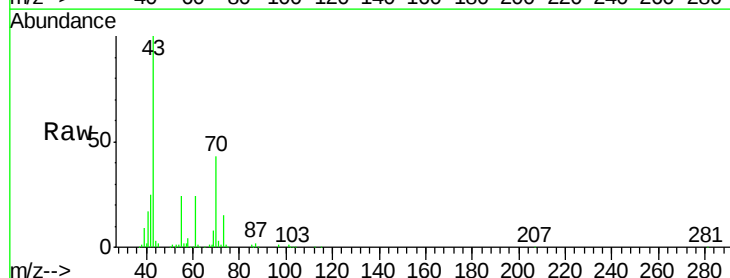
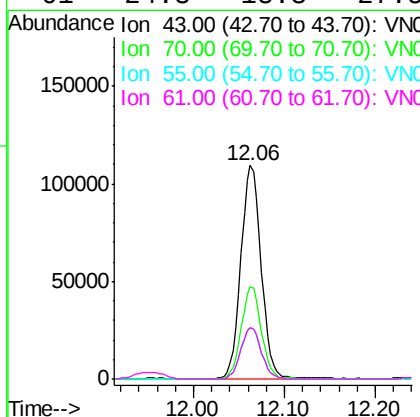
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#74
N-ethyl acetate
Concen: 45.975 ug/l
RT: 12.06 min Scan# 3200
Delta R.T. 0.00 min
Lab File: VN059938.D
Acq: 31 Jan 2020 10:54

Tgt Ion	Ratio	Lower	Upper
43	100		
70	42.4	31.3	46.9
55	23.8	19.8	29.6
61	24.3	18.3	27.5





#75

1,1,2,2-Tetrachloroethane

Concen: 47.560 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN059938.D

Acq: 31 Jan 2020 10:54

Instrument :

MSVOA_N

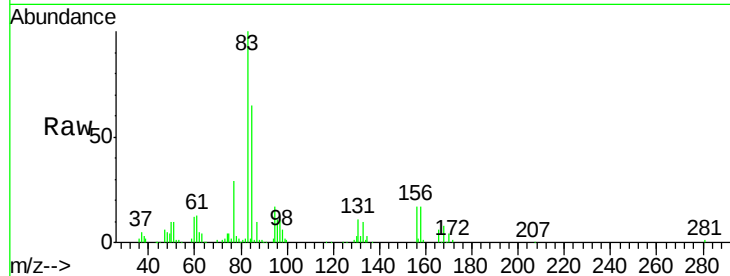
ClientSampleId :

VSTDCCC050

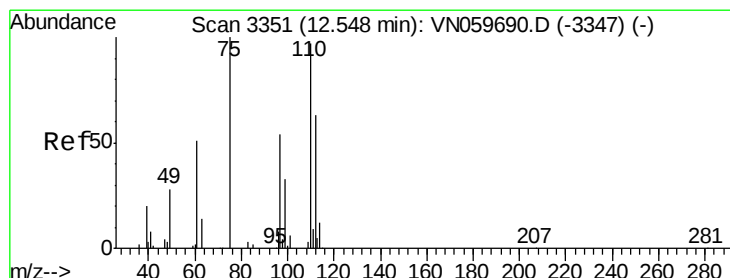
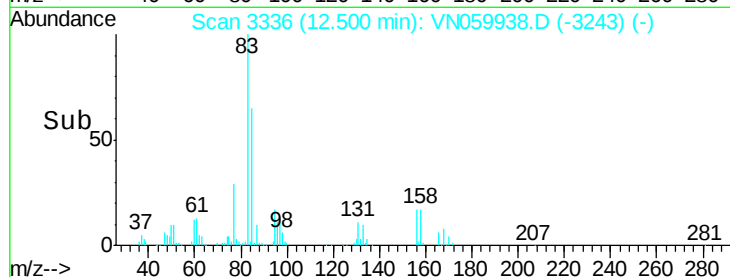
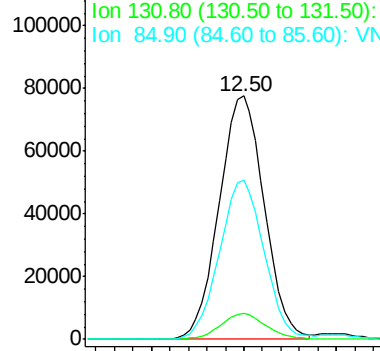
Tot Ion:	83	Resp:	131855
Ion Ratio	Lower	Upper	
83	100		
131	10.6	5.0	14.9
85	64.9	31.9	95.5

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VN059938.D (-3243) (-)



#76

1,2,3-Trichloropropane

Concen: 49.143 ug/l m

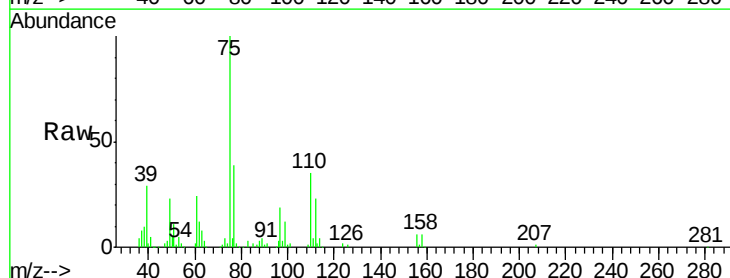
RT: 12.55 min Scan# 3351

Delta R.T. 0.00 min

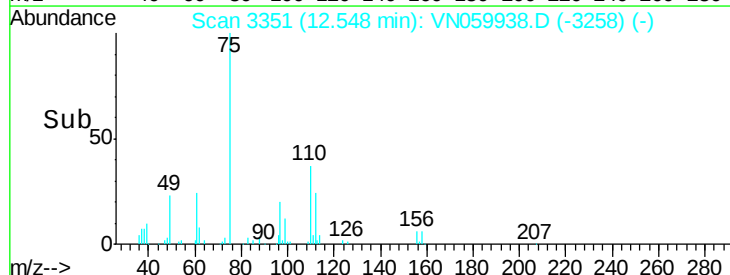
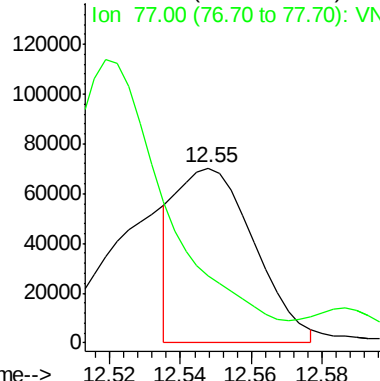
Lab File: VN059938.D

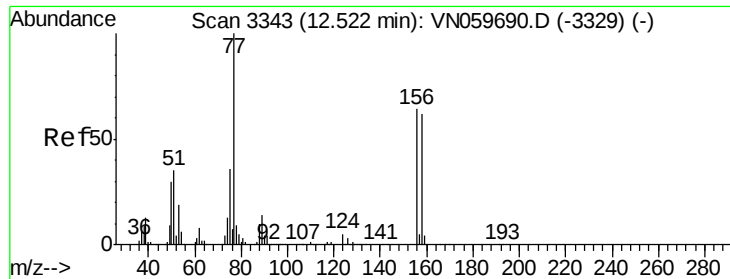
Acq: 31 Jan 2020 10:54

Tgt Ion:	75	Resp:	107842
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VN059938.D (-3258) (-)





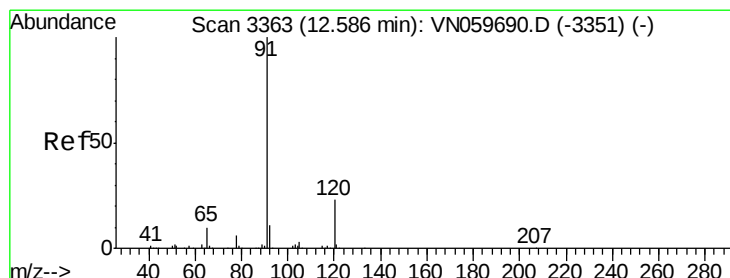
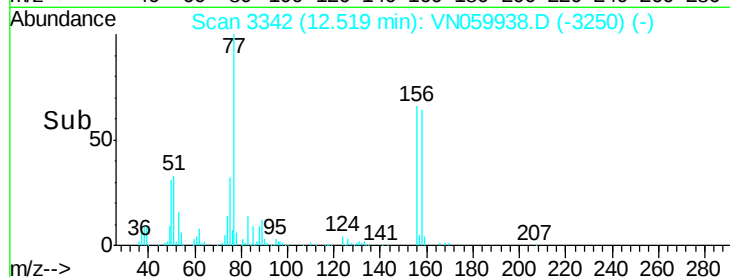
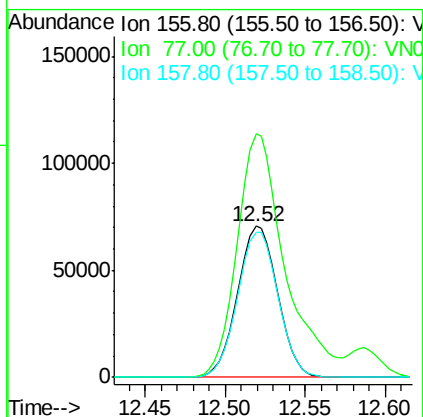
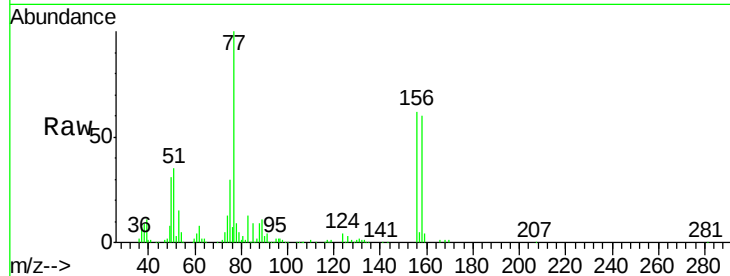
#77
Bromobenzene
Concen: 49.747 ug/l
RT: 12.52 min Scan# 3342
Delta R.T. -0.00 min
Lab File: VN059938.D
Acq: 31 Jan 2020 10:54

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	192.1	115.8	347.4	
158	97.3	49.2	147.6	

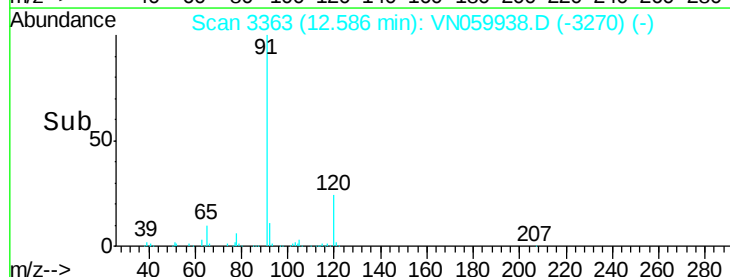
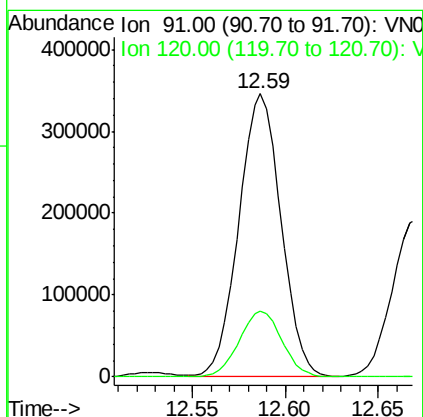
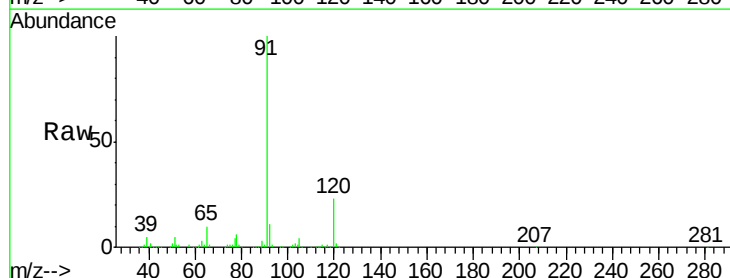
Manual Integrations
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2/4/2020 12:50:37 PM



#78
n-propylbenzene
Concen: 50.570 ug/l
RT: 12.59 min Scan# 3363
Delta R.T. 0.00 min
Lab File: VN059938.D
Acq: 31 Jan 2020 10:54

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	23.7	11.1	33.3	





#79

2-Chlorotoluene

Concen: 49.307 ug/l

RT: 12.67 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VN059938.D

Acq: 31 Jan 2020 10:54

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 314849

Ion Ratio Lower Upper

91 100

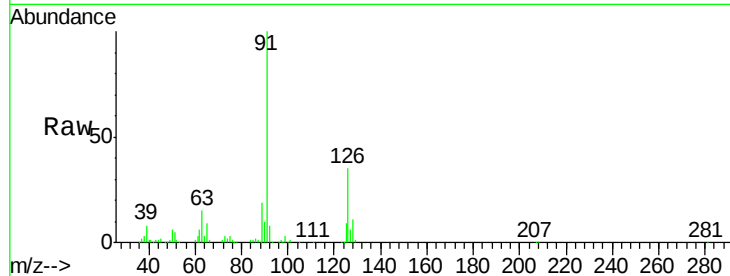
126 35.6 16.3 48.9

Manual Integrations

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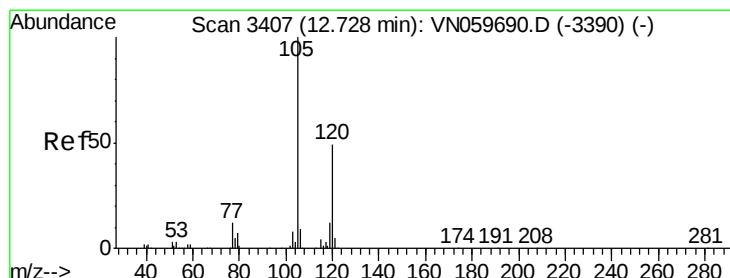
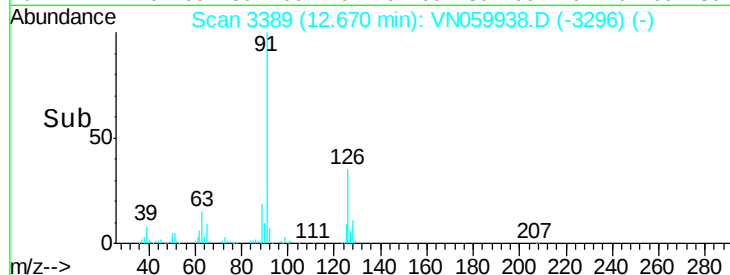
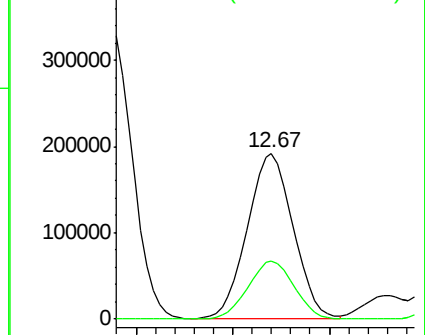
MMDadoda

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Abundance Ion 91.00 (90.70 to 91.70): VN059938.D (-3376) (-)

Ion 125.90 (125.60 to 126.60): VN059938.D (-3376) (-)



#80

1,3,5-Trimethylbenzene

Concen: 50.058 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. 0.00 min

Lab File: VN059938.D

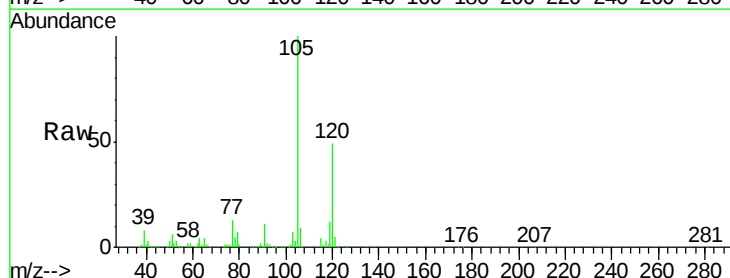
Acq: 31 Jan 2020 10:54

Tgt Ion: 105 Resp: 402597

Ion Ratio Lower Upper

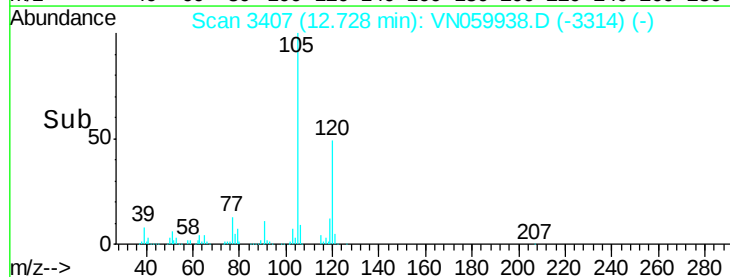
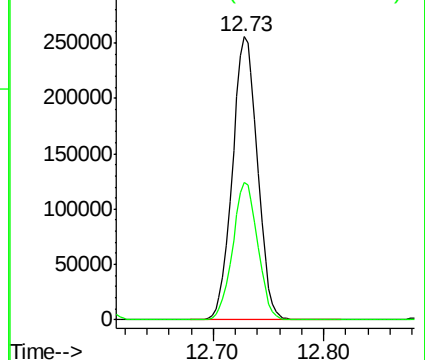
105 100

120 48.4 24.1 72.4



Abundance Ion 105.00 (104.70 to 105.70): VN059938.D (-3390) (-)

Ion 120.00 (119.70 to 120.70): VN059938.D (-3390) (-)





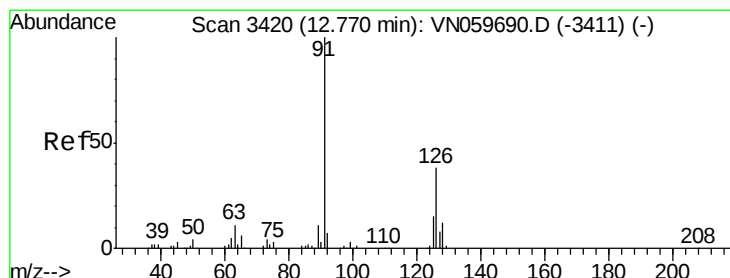
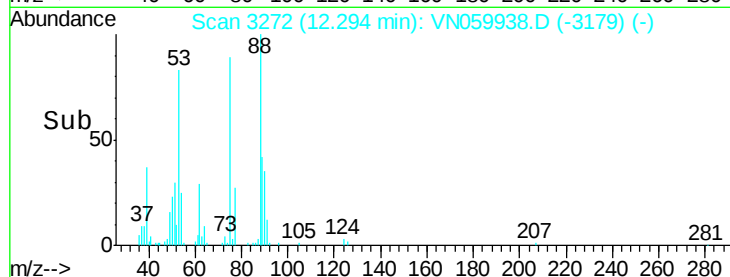
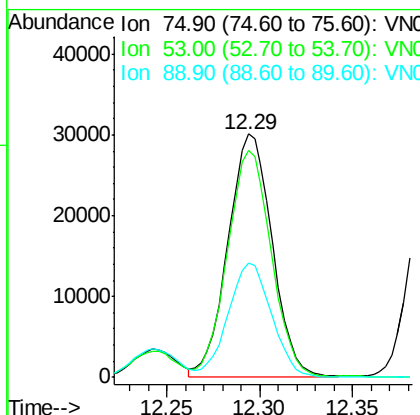
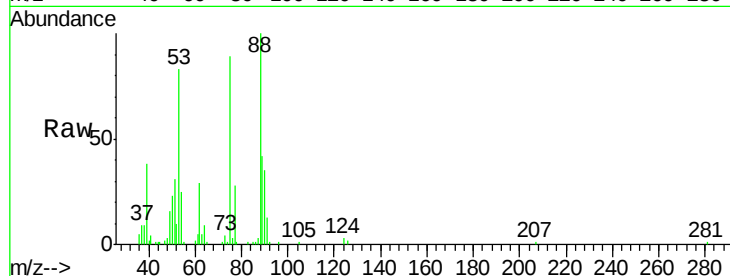
#81
trans-1,4-Dichloro-2-butene
Concen: 48.800 ug/l
RT: 12.29 min Scan# 3272
Delta R.T. 0.00 min
Lab File: VN059938.D
Acq: 31 Jan 2020 10:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

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

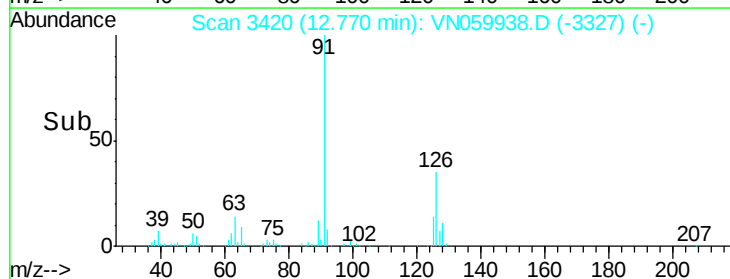
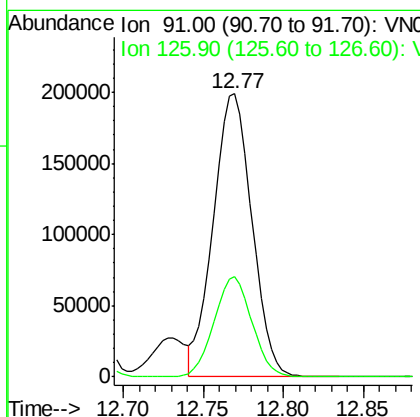
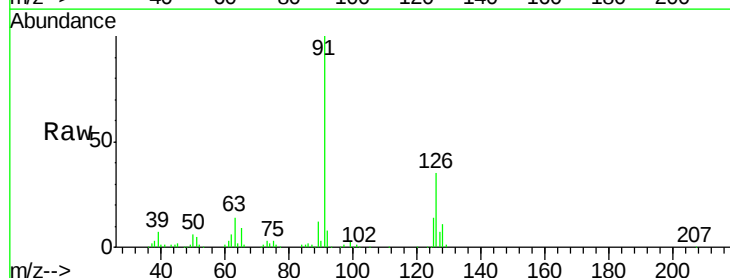
Manual Integrations
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#82
4-Chlorotoluene
Concen: 51.479 ug/l
RT: 12.77 min Scan# 3420
Delta R.T. 0.00 min
Lab File: VN059938.D
Acq: 31 Jan 2020 10:54

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.7	16.3	48.8





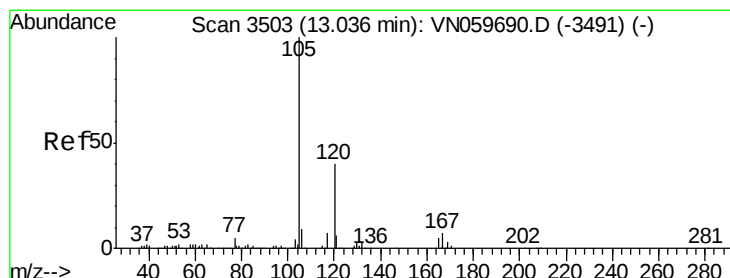
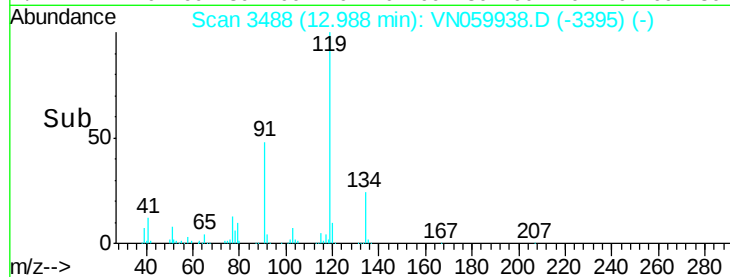
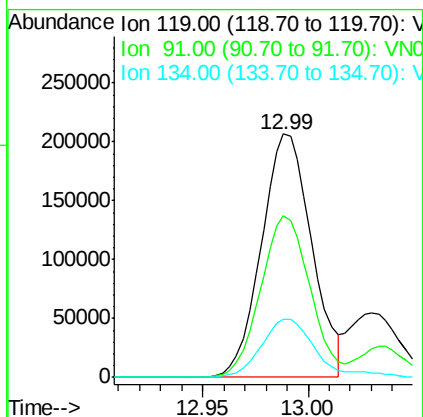
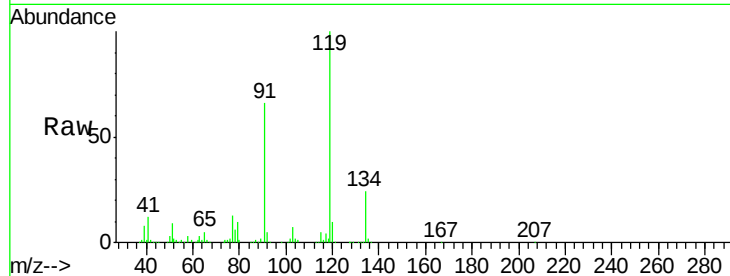
#83
tert-Butylbenzene
Concen: 49.352 ug/l
RT: 12.99 min Scan# 3488
Delta R.T. 0.00 min
Lab File: VN059938.D
Acq: 31 Jan 2020 10:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	65.3	34.8	104.4
134	25.8	12.3	36.9

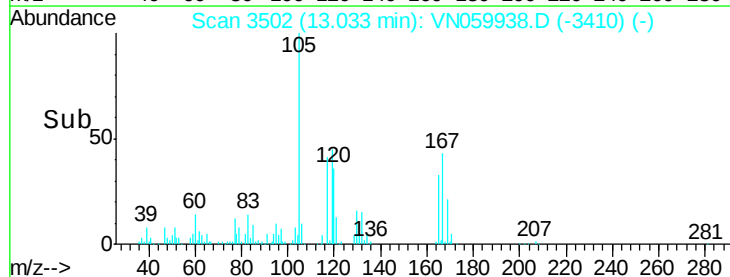
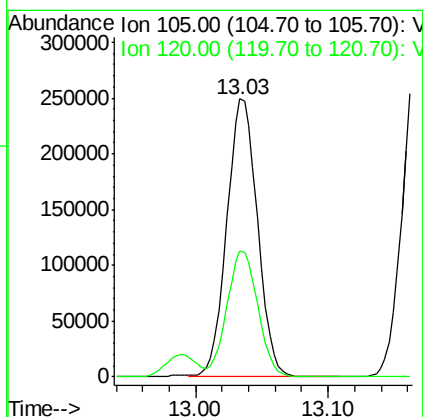
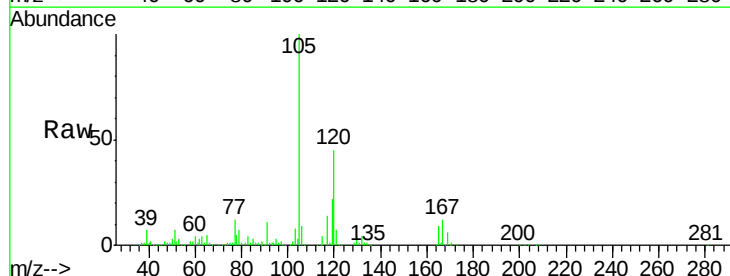
Manual Integrations
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#84
1,2,4-Trimethylbenzene
Concen: 50.074 ug/l
RT: 13.03 min Scan# 3502
Delta R.T. -0.00 min
Lab File: VN059938.D
Acq: 31 Jan 2020 10:54

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.8	22.3	66.9





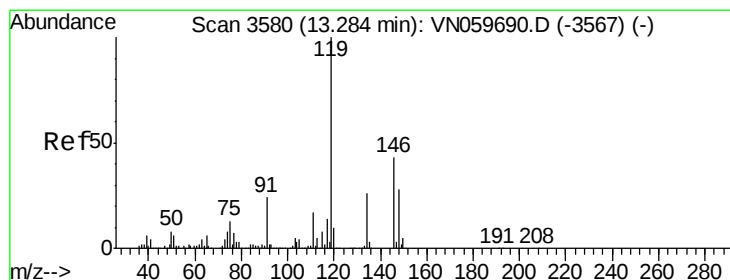
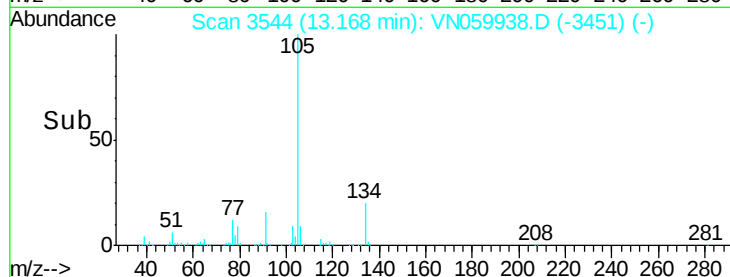
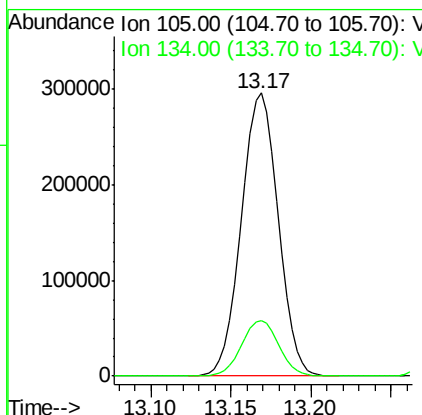
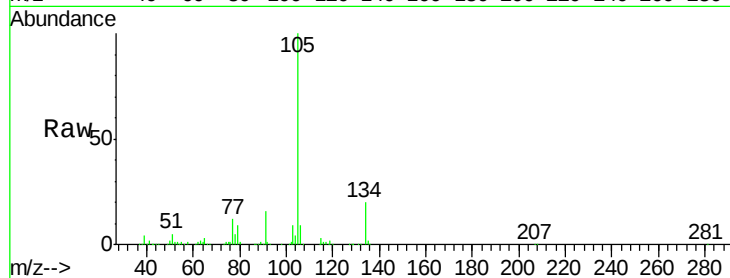
#85
 sec-Butylbenzene
 Concen: 50.670 ug/l
 RT: 13.17 min Scan# 3544
 Delta R.T. 0.00 min
 Lab File: VN059938.D
 Acq: 31 Jan 2020 10:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.9	9.8	29.5

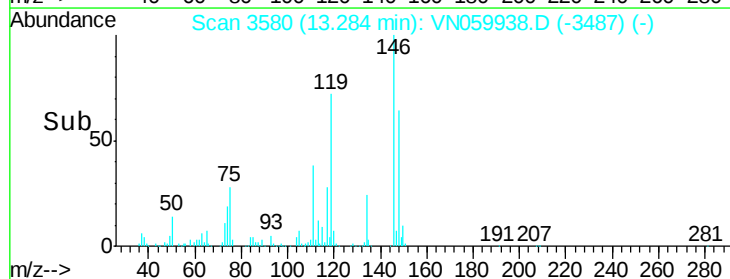
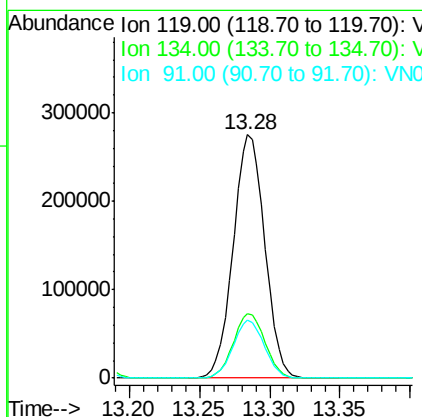
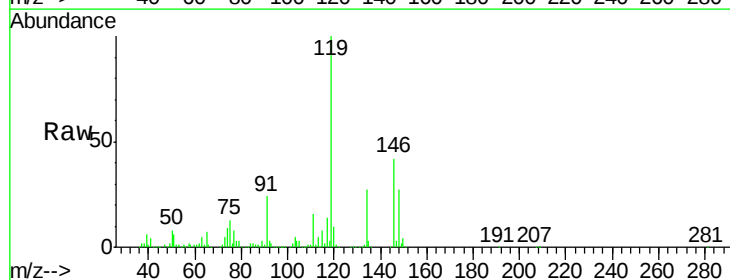
Manual Integrations
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#86
 p-Isopropyltoluene
 Concen: 50.863 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN059938.D
 Acq: 31 Jan 2020 10:54

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.6	12.9	38.7
91	23.6	12.4	37.4





#87

1,3-Dichlorobenzene

Concen: 52.048 ug/l

RT: 13.28 min Scan# 3578

Delta R.T. 0.00 min

Lab File: VN059938.D

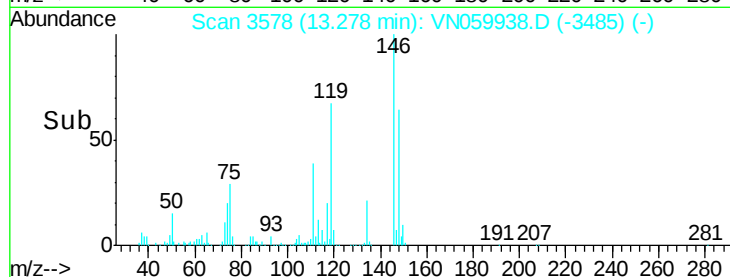
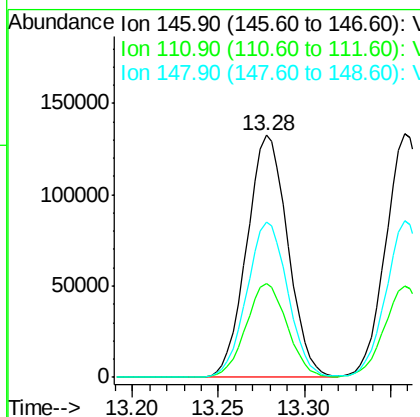
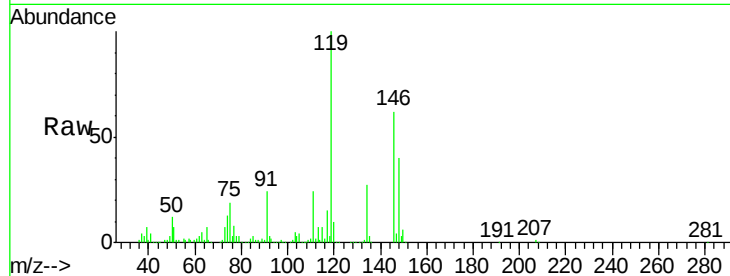
Acq: 31 Jan 2020 10:54

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.9	20.8	62.2
148	64.0	32.0	96.0

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 51.973 ug/l

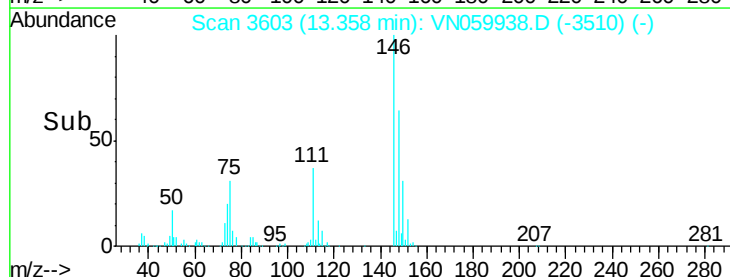
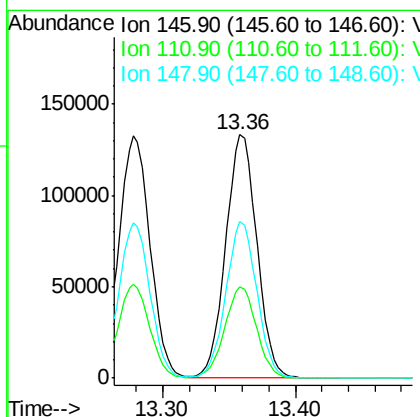
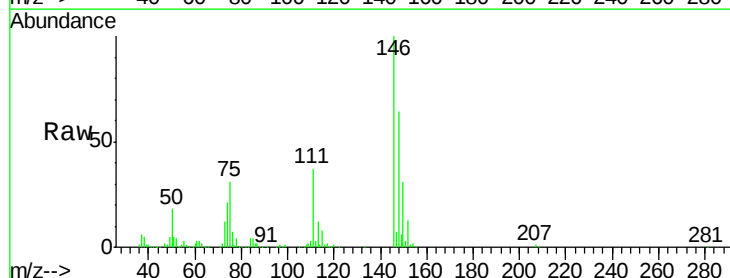
RT: 13.36 min Scan# 3603

Delta R.T. 0.00 min

Lab File: VN059938.D

Acq: 31 Jan 2020 10:54

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.0	20.8	62.2
148	63.8	31.8	95.4





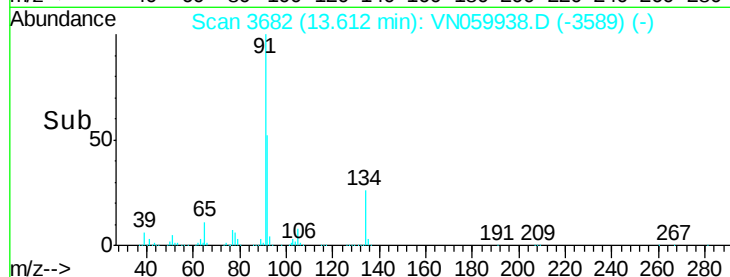
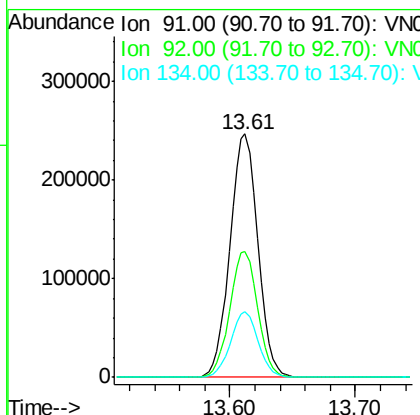
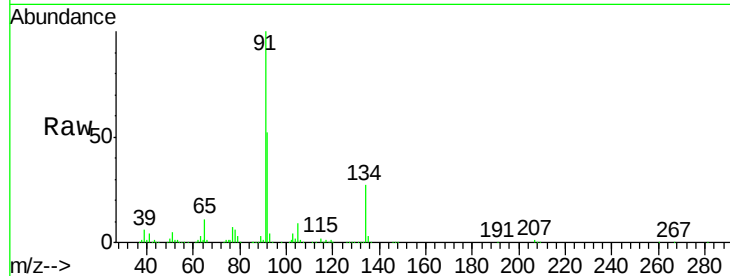
#89
n-Butylbenzene
Concen: 52.807 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN059938.D
Acq: 31 Jan 2020 10:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.7	25.9	77.7
134	26.6	12.3	36.8

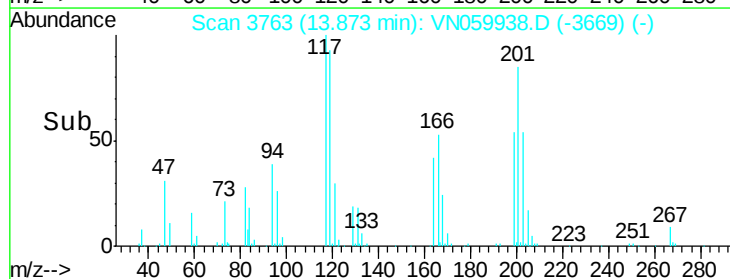
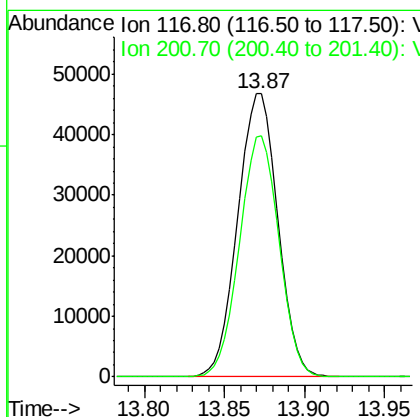
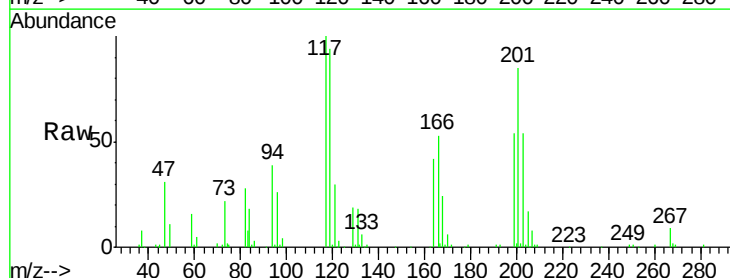
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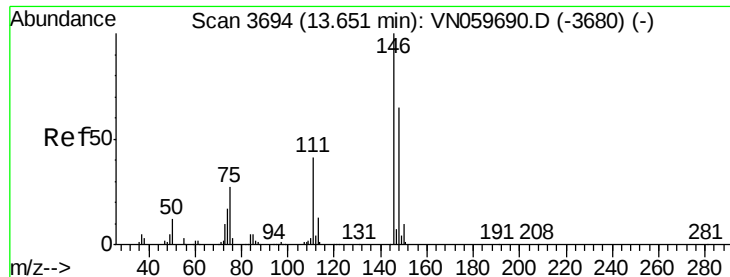
MMDadoda
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#90
Hexachloroethane
Concen: 50.608 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN059938.D
Acq: 31 Jan 2020 10:54

Tgt Ion	Ratio	Lower	Upper
117	100		
201	84.0	37.8	113.4





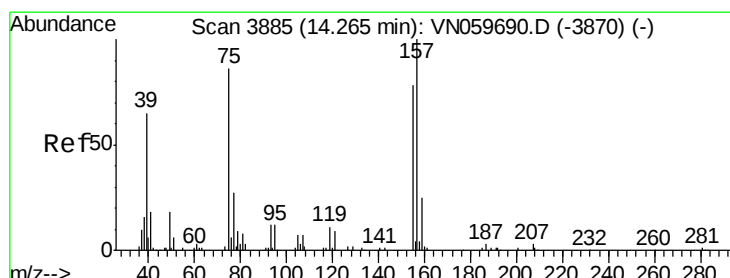
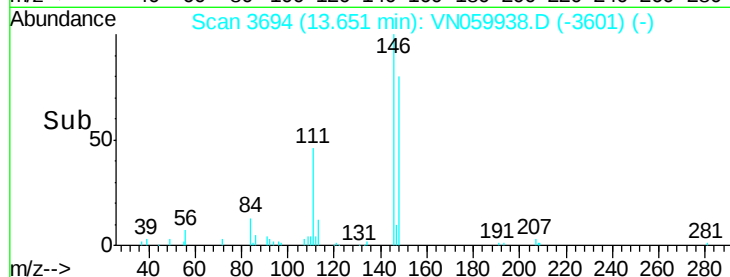
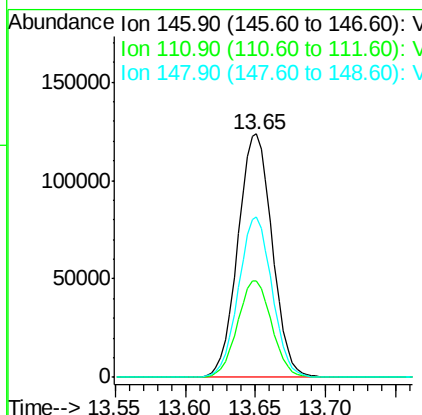
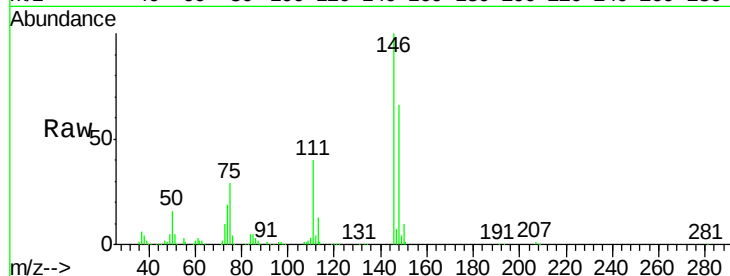
#91
 1,2-Dichlorobenzene
 Concen: 50.795 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN059938.D
 Acq: 31 Jan 2020 10:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.6	21.6	64.8
148	64.4	31.6	95.0

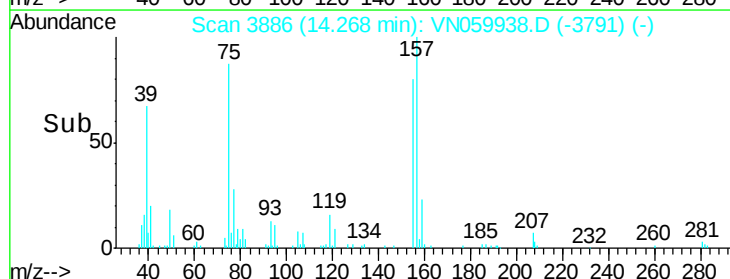
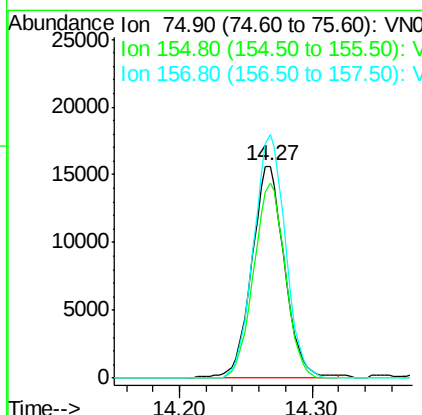
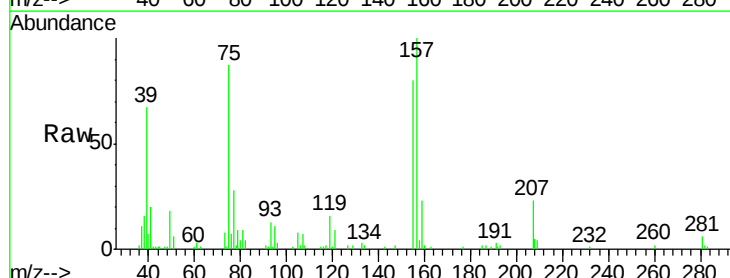
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 45.128 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN059938.D
 Acq: 31 Jan 2020 10:54

Tgt Ion	Ratio	Lower	Upper
75	100		
155	87.8	37.0	110.9
157	110.8	48.4	145.2





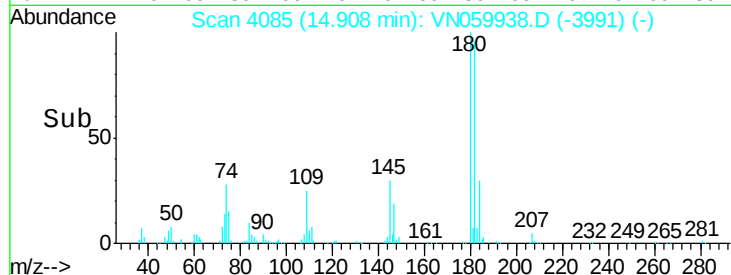
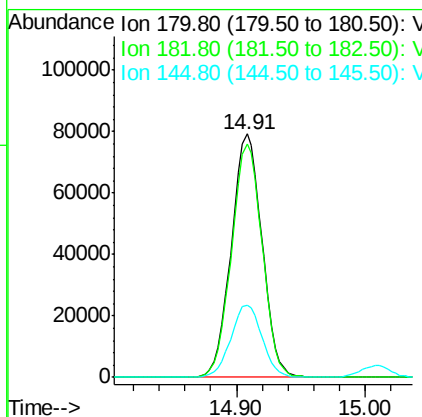
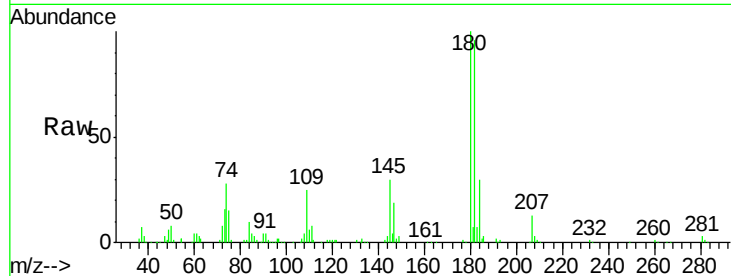
#93
1,2,4-Trichlorobenzene
Concen: 52.354 ug/l
RT: 14.91 min Scan# 4085
Delta R.T. 0.00 min
Lab File: VN059938.D
Acq: 31 Jan 2020 10:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	130832		
182	95.9	46.9	140.7	
145	30.0	15.0	45.1	

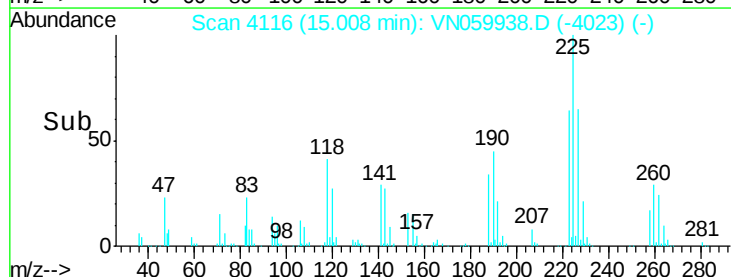
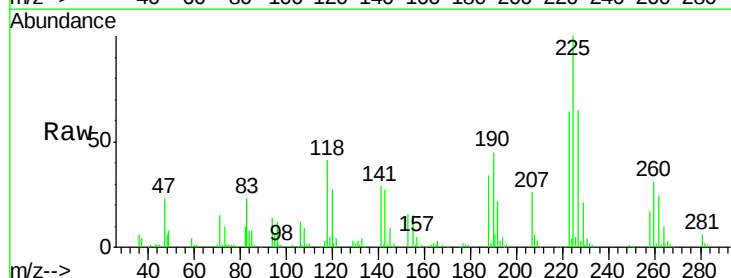
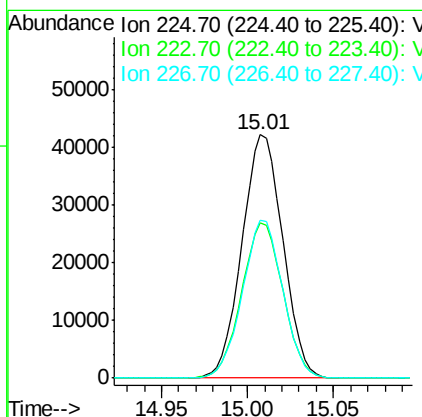
Manual Integrations
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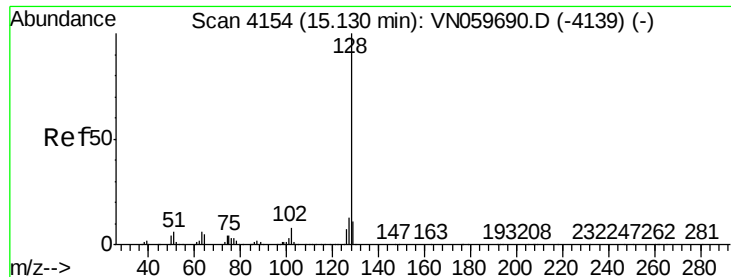
MMDadoda
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#94
Hexachlorobutadiene
Concen: 50.602 ug/l
RT: 15.01 min Scan# 4116
Delta R.T. 0.00 min
Lab File: VN059938.D
Acq: 31 Jan 2020 10:54

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	69684		
223	64.3	31.8	95.3	
227	63.8	32.1	96.5	





#95

Naphthalene

Concen: 45.769 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN059938.D

Acq: 31 Jan 2020 10:54

Instrument :

MSVOA_N

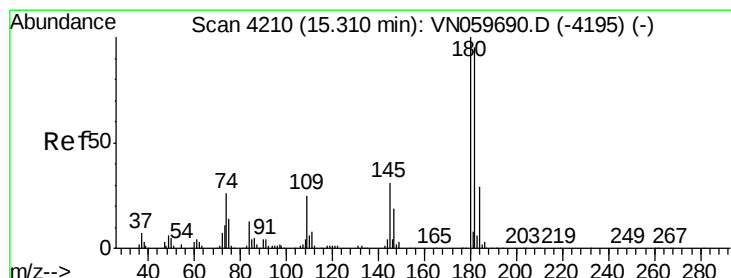
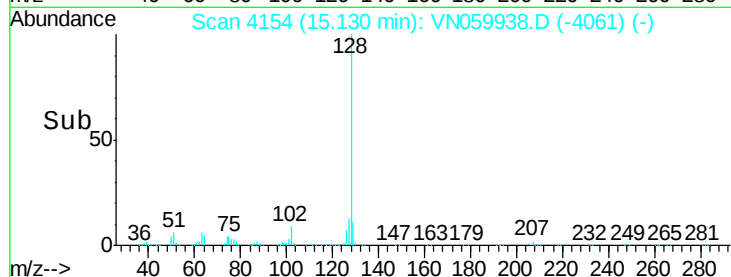
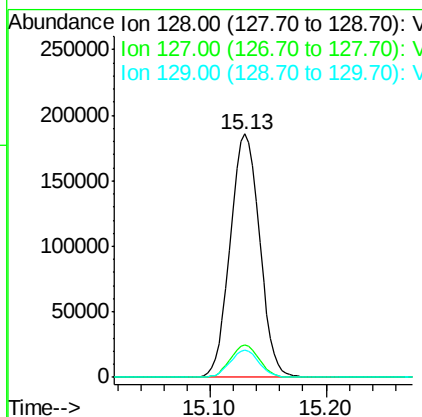
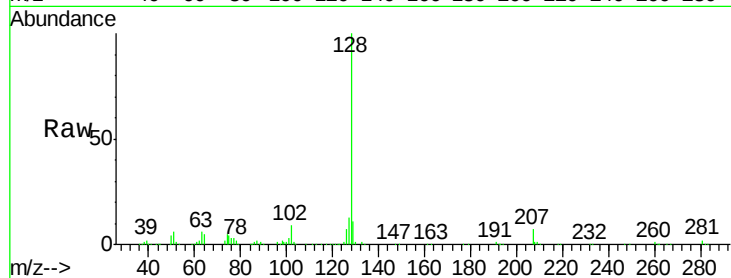
ClientSampleId :

VSTDCCC050

Tot Ion:	128	Resp:	325324
Ion Ratio	Lower	Upper	
128	100		
127	13.0	10.4	15.6
129	10.9	8.6	12.8

Manual Integrations
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#96

1,2,3-Trichlorobenzene

Concen: 50.385 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN059938.D

Acq: 31 Jan 2020 10:54

Tgt Ion:	180	Resp:	122557
Ion Ratio	Lower	Upper	
180	100		
182	95.0	47.4	142.3
145	31.3	16.3	48.9

