

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN011720\
 Data File : VN059774.D
 Acq On : 17 Jan 2020 20:26
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 1/20/2020 11:12:13 AM

Quant Time: Jan 18 02:03:21 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N011320W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 14 08:58:21 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	180224	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	281130	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	258496	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	126167	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.00	65	101126	50.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.06%	
35) Dibromofluoromethane	7.56	113	87248	52.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.08%	
50) Toluene-d8	10.08	98	332128	51.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.26%	
62) 4-Bromofluorobenzene	12.40	95	118480	50.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.20%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	113097	53.260	ug/l	99
3) Chloromethane	2.04	50	104519	50.655	ug/l	100
4) Vinyl Chloride	2.17	62	132124	55.966	ug/l	97
5) Bromomethane	2.54	94	77325	53.671	ug/l	99
6) Chloroethane	2.68	64	61226	54.817	ug/l	99
7) Trichlorofluoromethane	3.00	101	156166	55.081	ug/l	100
8) Diethyl Ether	3.38	74	54158	54.431	ug/l	83
9) 1,1,2-Trichlorotrifluoroet	3.74	101	88708	56.217	ug/l	92
10) Methyl Iodide	3.93	142	135939	53.297	ug/l	96
11) Tert butyl alcohol	4.73	59	88705	263.274	ug/l	98
12) 1,1-Dichloroethene	3.72	96	87544	53.094	ug/l	88
13) Acrolein	3.58	56	54636	229.076	ug/l	97
14) Allyl chloride	4.29	41	106089	47.735	ug/l #	85
15) Acrylonitrile	4.94	53	208685	271.525	ug/l	100
16) Acetone	3.78	43	179402	263.344	ug/l	96
17) Carbon Disulfide	4.03	76	236843	50.424	ug/l	99
18) Methyl Acetate	4.29	43	122000	52.186	ug/l #	90
19) Methyl tert-butyl Ether	5.00	73	289363	53.825	ug/l	95
20) Methylene Chloride	4.52	84	100751	55.790	ug/l	87
21) trans-1,2-Dichloroethene	5.01	96	93470	53.329	ug/l	83
22) Diisopropyl ether	5.91	45	266088	52.832	ug/l	96
23) Vinyl Acetate	5.86	43	1038810	266.396	ug/l #	93
24) 1,1-Dichloroethane	5.82	63	162892	52.931	ug/l	98
25) 2-Butanone	6.80	43	272161	240.128	ug/l	91
26) 2,2-Dichloropropane	6.80	77	145591	49.210	ug/l	96
27) cis-1,2-Dichloroethene	6.80	96	108679	53.910	ug/l	87
28) Bromochloromethane	7.17	49	63162	51.351	ug/l #	72
29) Tetrahydrofuran	7.18	42	179405	255.834	ug/l #	87
30) Chloroform	7.35	83	173078	54.280	ug/l	99
31) Cyclohexane	7.63	56	142750	48.206	ug/l	87
32) 1,1,1-Trichloroethane	7.55	97	161164	54.665	ug/l	96
36) 1,1-Dichloropropene	7.77	75	127802	52.203	ug/l	95
37) Ethyl Acetate	6.90	43	113475	49.419	ug/l #	95
38) Carbon Tetrachloride	7.75	117	141589	53.167	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	155056	51.366	ug/l	90
40) Benzene	8.02	78	381140	52.201	ug/l	100
41) Methacrylonitrile	7.15	41	52354m	46.290	ug/l	
42) 1,2-Dichloroethane	8.10	62	132964	53.711	ug/l	97
43) Isopropyl Acetate	8.14	43	199016	50.390	ug/l #	94
44) Trichloroethene	8.82	130	109803	55.089	ug/l	92
45) 1,2-Dichloropropane	9.10	63	95487	52.851	ug/l	97
46) Dibromomethane	9.19	93	69931	54.870	ug/l	91
47) Bromodichloromethane	9.39	83	139228	54.210	ug/l	98
48) Methyl methacrylate	9.18	41	88980	50.368	ug/l	90
49) 1,4-Dioxane	9.18	88	34845	1077.447	ug/l #	89
51) 4-Methyl-2-Pentanone	9.97	43	583950	255.771	ug/l	94
52) Toluene	10.14	92	248763	53.940	ug/l	98
53) t-1,3-Dichloropropene	10.37	75	152554	53.197	ug/l	100
54) cis-1,3-Dichloropropene	9.82	75	162185	53.751	ug/l	91
55) 1,1,2-Trichloroethane	10.55	97	97630	53.450	ug/l	97
56) Ethyl methacrylate	10.42	69	146831	52.608	ug/l	91
57) 1,3-Dichloropropane	10.70	76	159768	55.094	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	242336	288.269	ug/l	90
59) 2-Hexanone	10.74	43	429139	255.141	ug/l	94
60) Dibromochloromethane	10.89	129	115118	55.344	ug/l	100
61) 1,2-Dibromoethane	10.99	107	104522	54.596	ug/l	99
64) Tetrachloroethene	10.62	164	104585	49.642	ug/l	96
65) Chlorobenzene	11.43	112	269297	53.002	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.50	131	105925	53.955	ug/l	99
67) Ethyl Benzene	11.50	91	481450	52.199	ug/l	97
68) m/p-Xylenes	11.61	106	364003	104.478	ug/l	95
69) o-Xylene	11.94	106	177652	52.084	ug/l	95
70) Styrene	11.96	104	301261	52.782	ug/l	97
71) Bromoform	12.12	173	85826	54.577	ug/l #	98
73) Isopropylbenzene	12.24	105	479301	51.799	ug/l	100
74) N-amyl acetate	12.06	43	174827	48.692	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.50	83	138699	51.706	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	119875m	56.458	ug/l	
77) Bromobenzene	12.52	156	123355	52.643	ug/l	80
78) n-propylbenzene	12.59	91	531728	51.199	ug/l	96
79) 2-Chlorotoluene	12.67	91	311765	50.461	ug/l	93
80) 1,3,5-Trimethylbenzene	12.73	105	403018	51.790	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.29	75	48887	49.445	ug/l	95
82) 4-Chlorotoluene	12.77	91	321746	51.920	ug/l	95
83) tert-Butylbenzene	12.99	119	348598	51.795	ug/l	94
84) 1,2,4-Trimethylbenzene	13.03	105	401688	52.176	ug/l	98
85) sec-Butylbenzene	13.17	105	455790	51.545	ug/l	99
86) p-Isopropyltoluene	13.28	119	415270	50.754	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	213583	52.474	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	212122	52.240	ug/l	97
89) n-Butylbenzene	13.61	91	352361	50.508	ug/l	98
90) Hexachloroethane	13.87	117	77857	50.859	ug/l	88
91) 1,2-Dichlorobenzene	13.65	146	211941	52.670	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.26	75	29681	51.619	ug/l	79

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ClientSampleId :
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Quant Title : SW846 8260
QLast Update : Tue Jan 14 08:58:21 2020
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	127657	52.796	ug/l	99
94) Hexachlorobutadiene	15.00	225	66432	49.858	ug/l	98
95) Naphthalene	15.13	128	351076	51.047	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	121710	51.714	ug/l	98

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

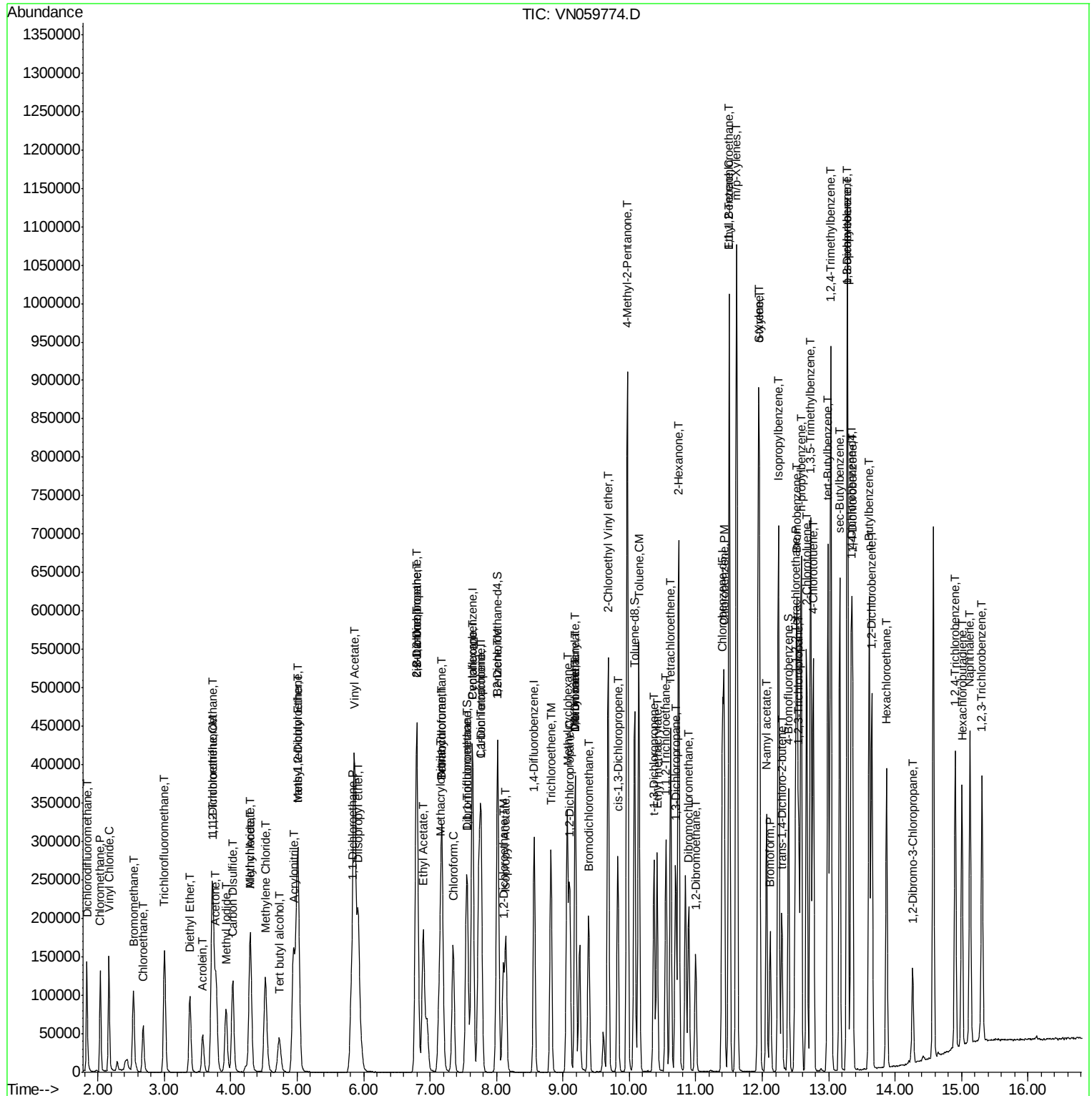
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN011720\
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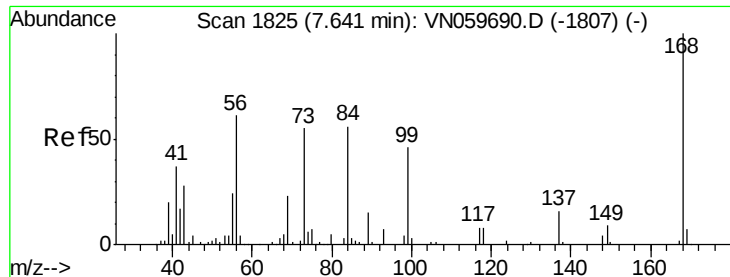
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VN059774.D

Acq: 17 Jan 2020 20:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 180224

Ion Ratio Lower Upper

168 100

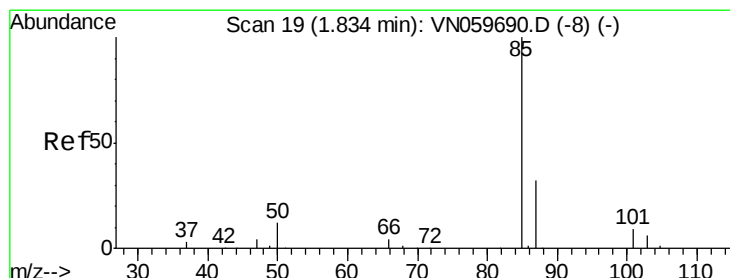
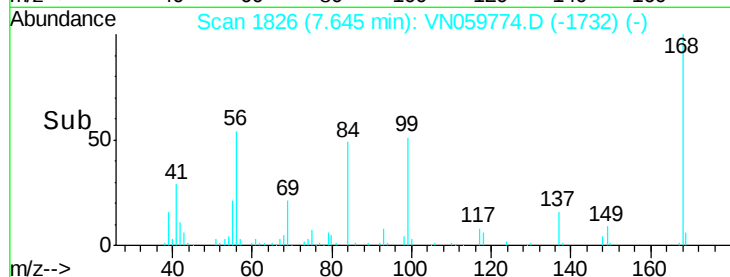
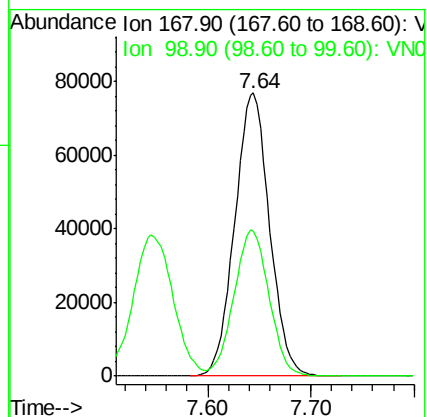
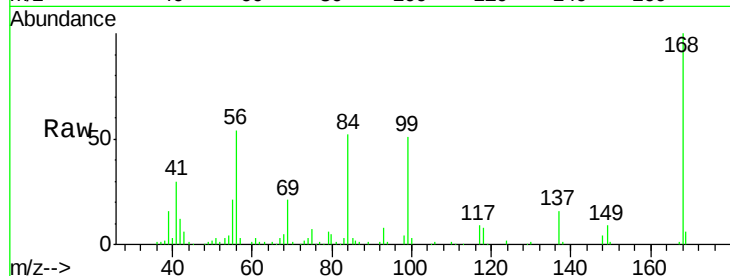
99 51.5 48.2 72.4

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 53.260 ug/l

RT: 1.83 min Scan# 18

Delta R.T. -0.00 min

Lab File: VN059774.D

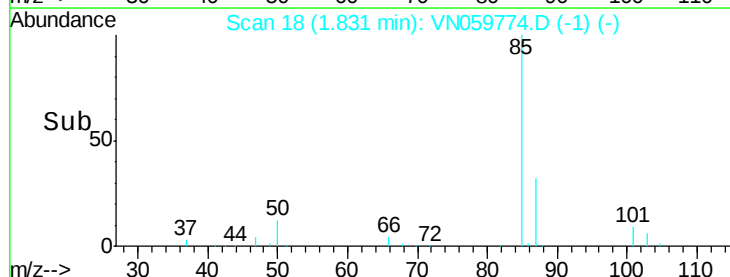
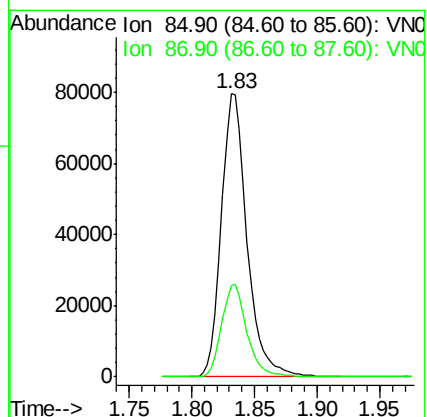
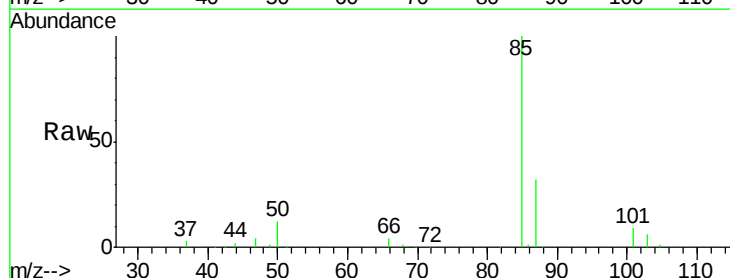
Acq: 17 Jan 2020 20:26

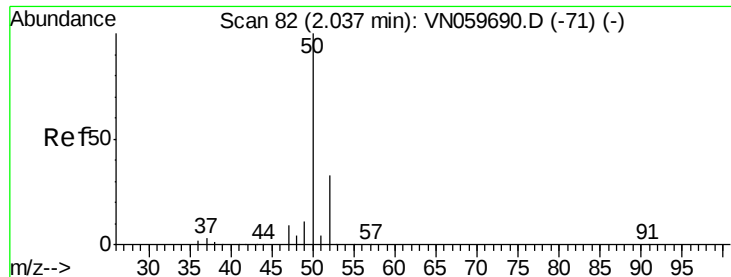
Tgt Ion: 85 Resp: 113097

Ion Ratio Lower Upper

85 100

87 32.4 15.9 47.7





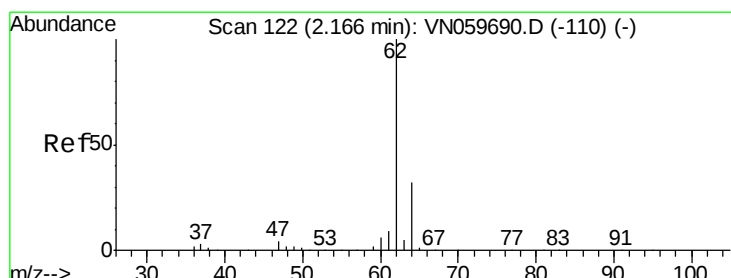
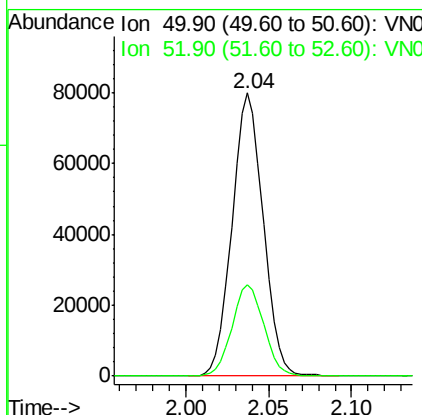
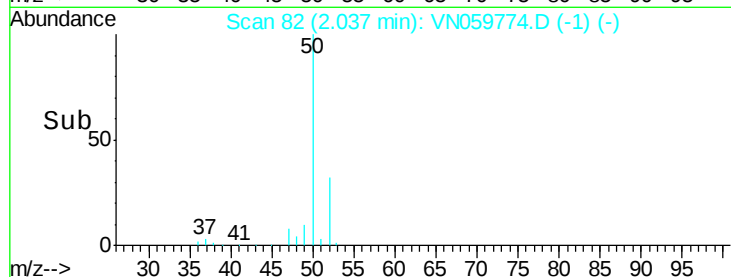
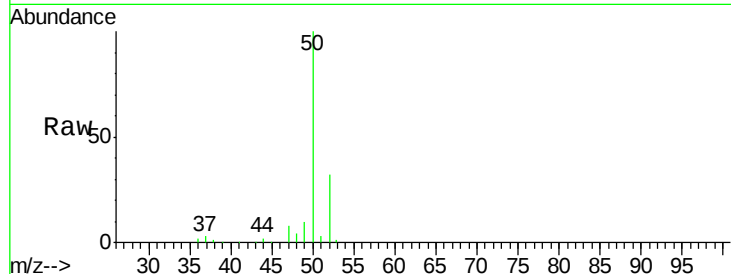
#3
Chloromethane
Concen: 50.655 ug/l
RT: 2.04 min Scan# 82
Delta R.T. 0.00 min
Lab File: VN059774.D
Acq: 17 Jan 2020 20:26

Instrument :
MSVOA_N
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VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
50	100		
52	32.5	25.9	38.9

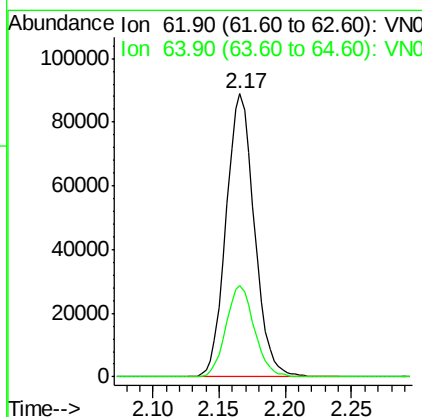
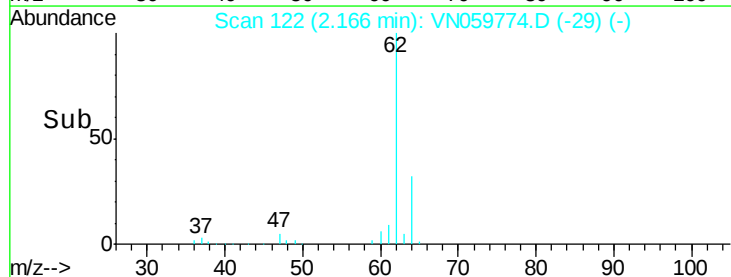
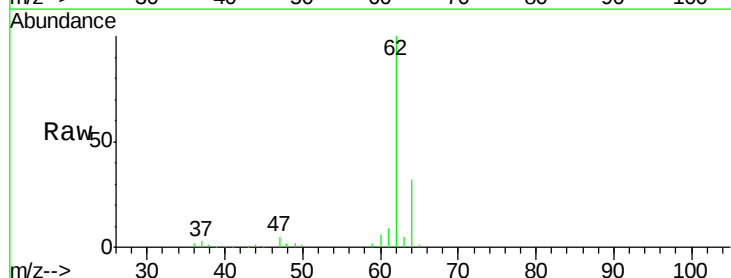
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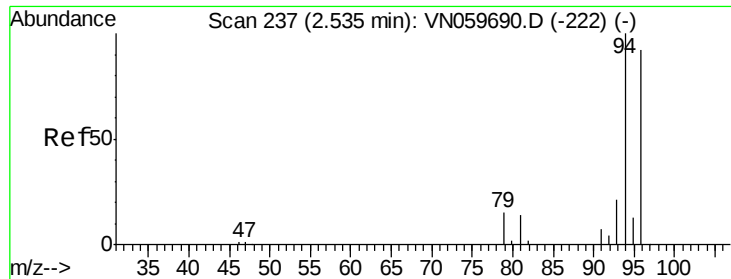
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#4
Vinyl Chloride
Concen: 55.966 ug/l
RT: 2.17 min Scan# 122
Delta R.T. 0.00 min
Lab File: VN059774.D
Acq: 17 Jan 2020 20:26

Tgt Ion	Ratio	Lower	Upper
62	100		
64	32.4	24.6	37.0





#5

Bromomethane

Concen: 53.671 ug/l

RT: 2.54 min Scan# 237

Delta R.T. 0.00 min

Lab File: VN059774.D

Acq: 17 Jan 2020 20:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 77325

Ion Ratio Lower Upper

94 100

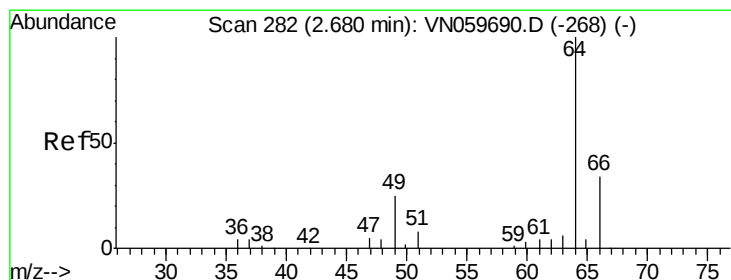
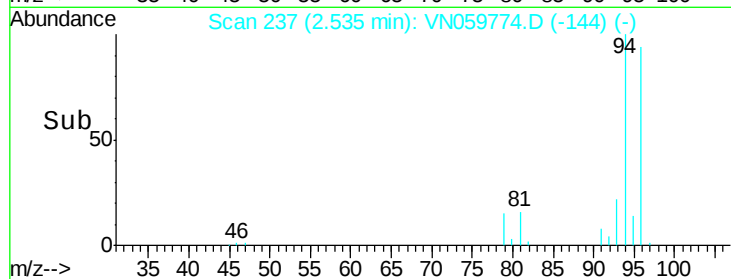
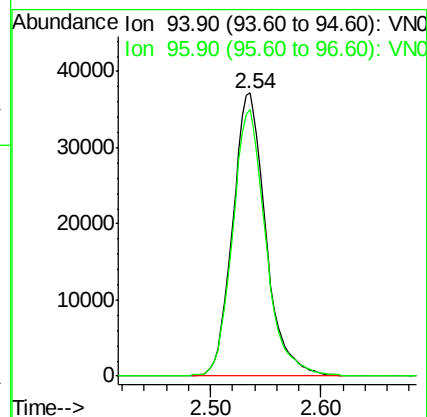
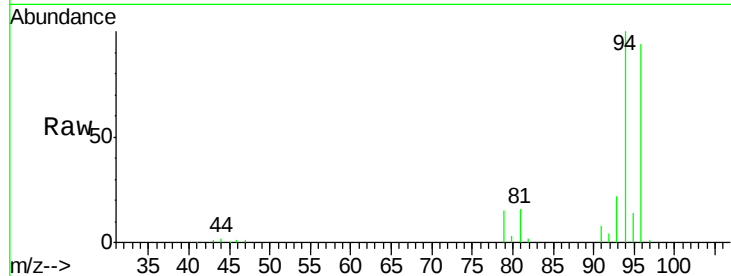
96 94.1 74.7 112.1

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#6

Chloroethane

Concen: 54.817 ug/l

RT: 2.68 min Scan# 282

Delta R.T. 0.00 min

Lab File: VN059774.D

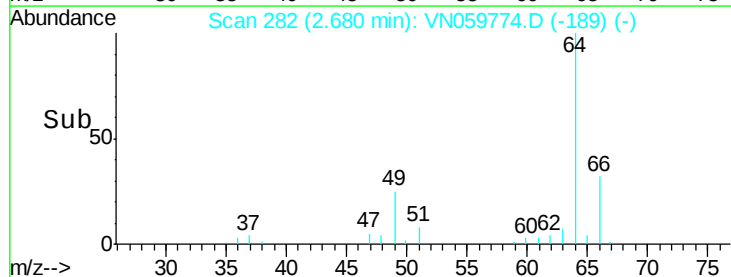
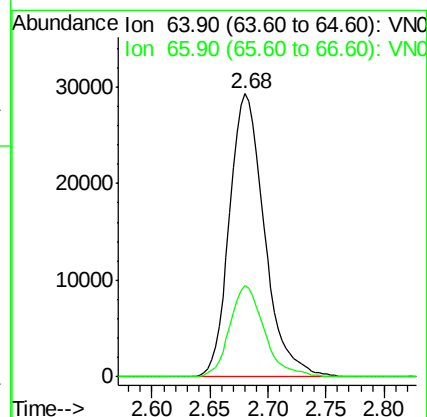
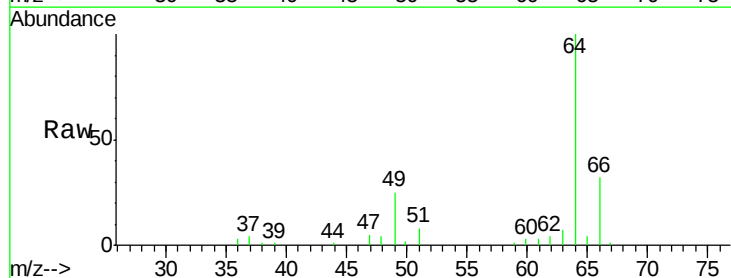
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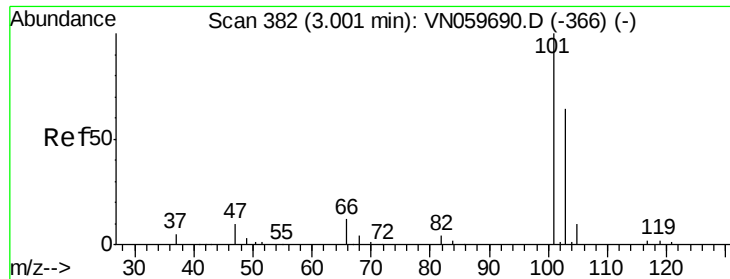
Tgt Ion: 64 Resp: 61226

Ion Ratio Lower Upper

64 100

66 32.2 25.1 37.7





#7

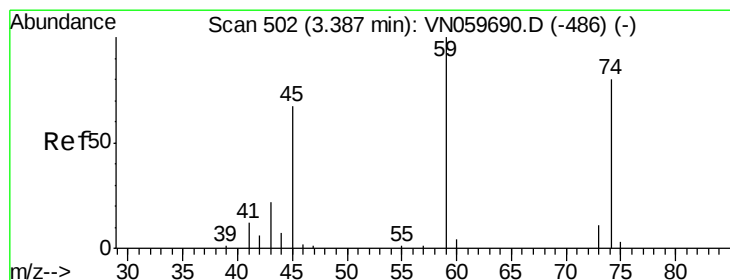
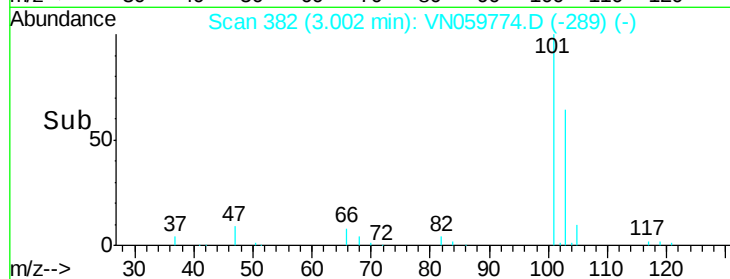
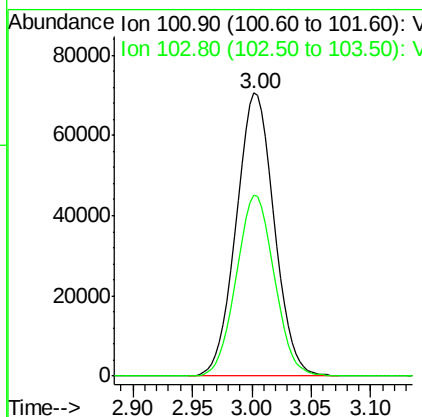
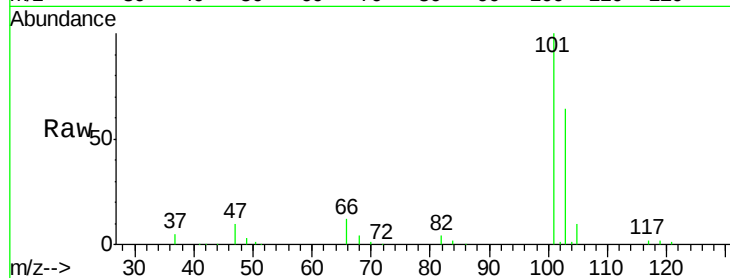
Trichlorofluoromethane
Concen: 55.081 ug/l
RT: 3.00 min Scan# 382
Delta R.T. 0.00 min
Lab File: VN059774.D
Acq: 17 Jan 2020 20:26

Instrument :
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ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.0	51.0	76.6

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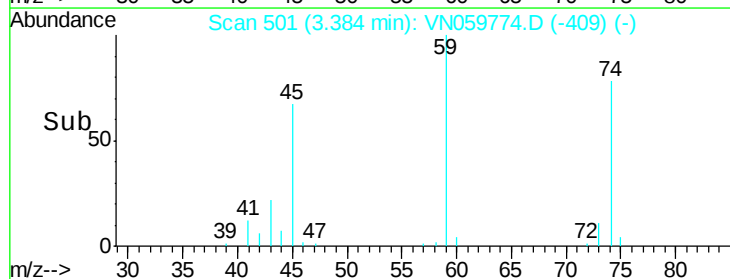
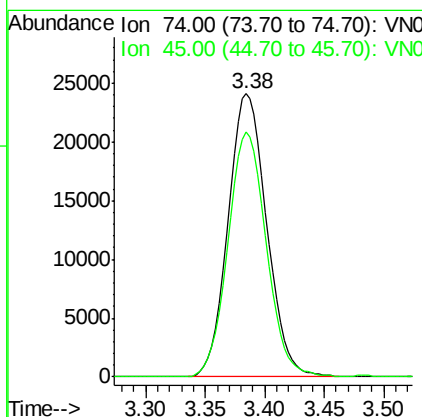
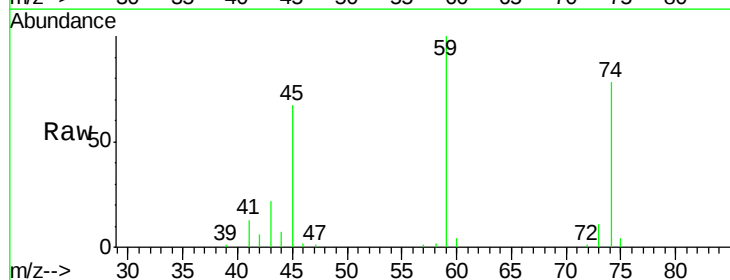
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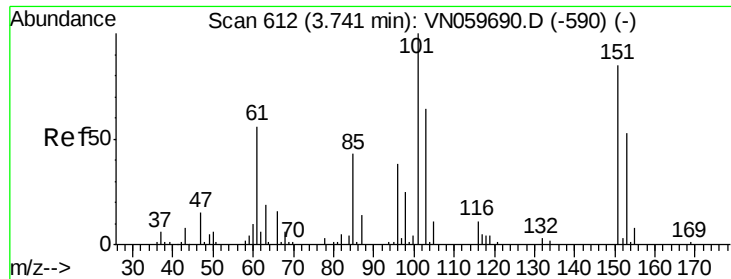


#8

Diethyl Ether
Concen: 54.431 ug/l
RT: 3.38 min Scan# 501
Delta R.T. -0.00 min
Lab File: VN059774.D
Acq: 17 Jan 2020 20:26

Tgt Ion	Ratio	Lower	Upper
74	100		
45	86.2	51.9	155.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 56.217 ug/l

RT: 3.74 min Scan# 611

Delta R.T. -0.00 min

Lab File: VN059774.D

Acq: 17 Jan 2020 20:26

Instrument :

MSVOA_N

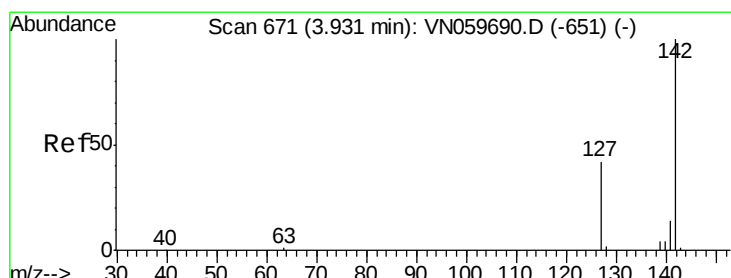
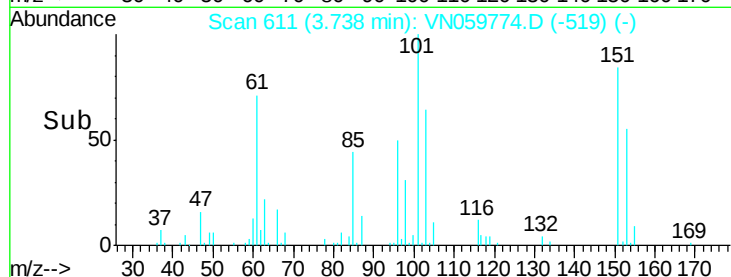
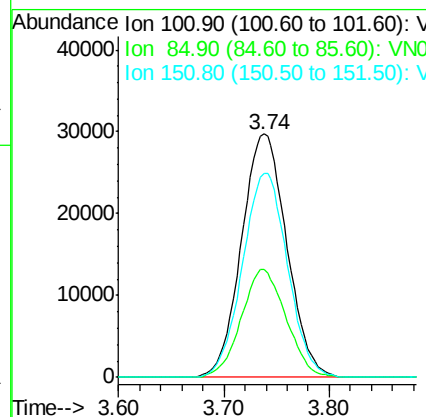
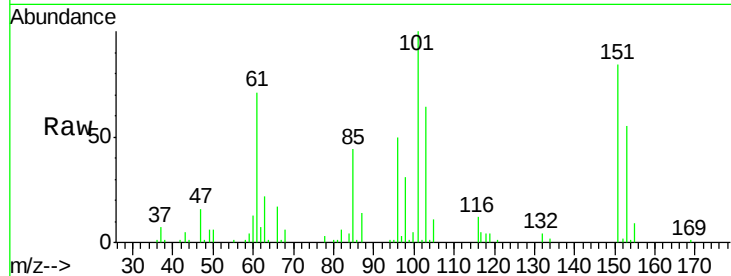
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	88708
Ion Ratio	Lower	Upper	
101	100		
85	43.8	36.6	54.8
151	83.4	59.7	89.5

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#10

Methyl Iodide

Concen: 53.297 ug/l

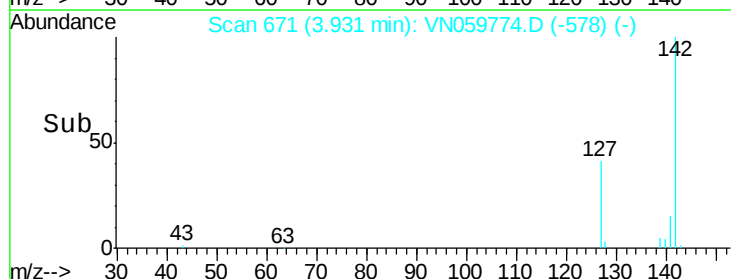
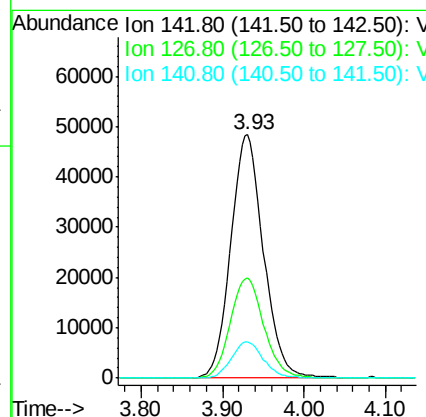
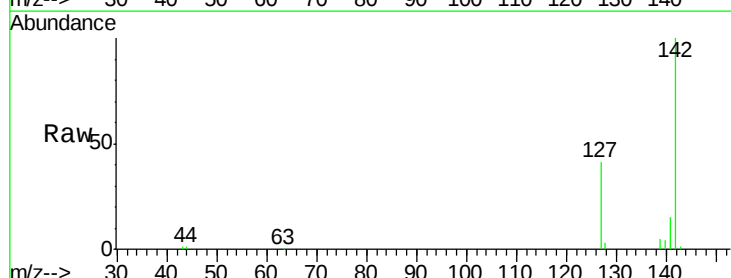
RT: 3.93 min Scan# 671

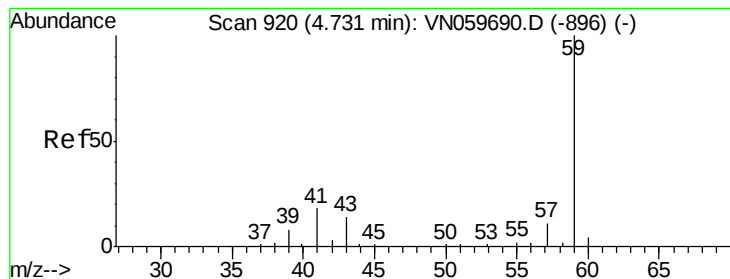
Delta R.T. 0.00 min

Lab File: VN059774.D

Acq: 17 Jan 2020 20:26

Tgt Ion:	142	Resp:	135939
Ion Ratio	Lower	Upper	
142	100		
127	42.3	36.7	55.1
141	14.5	11.7	17.5





#11

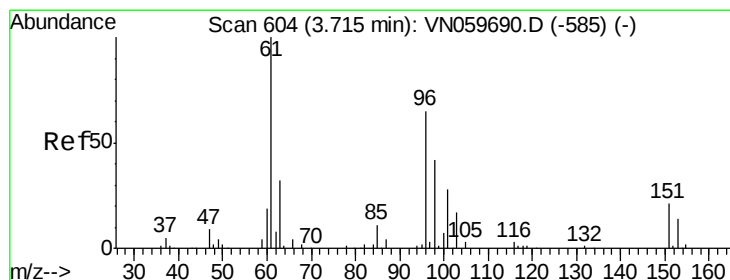
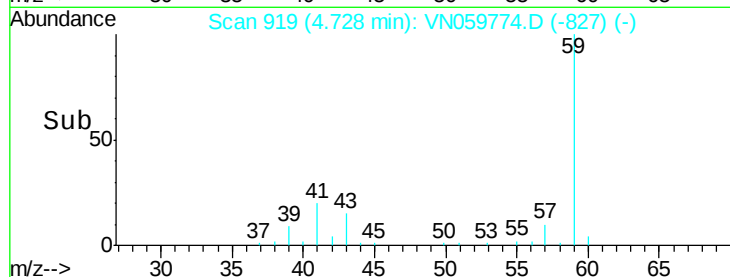
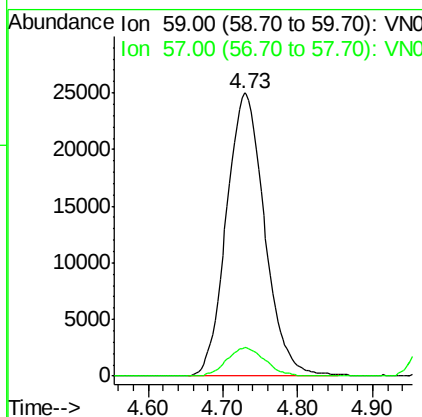
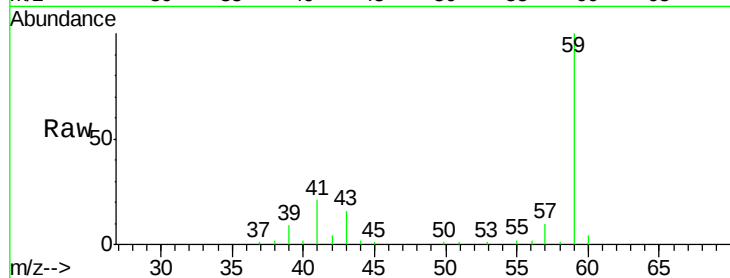
Tert butyl alcohol
 Concen: 263.274 ug/l
 RT: 4.73 min Scan# 919
 Delta R.T. -0.00 min
 Lab File: VN059774.D
 Acq: 17 Jan 2020 20:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.0	8.6	12.8

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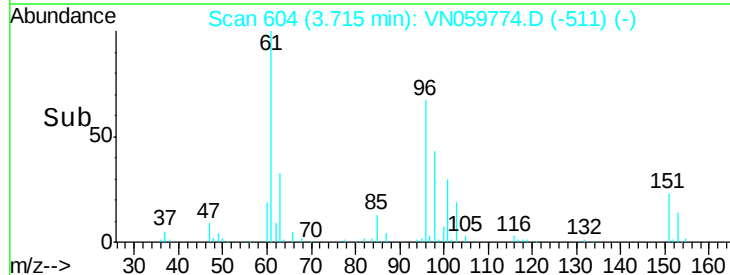
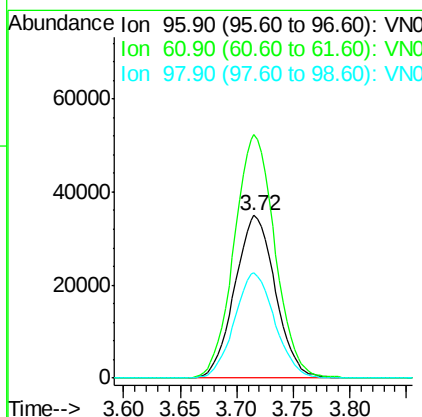
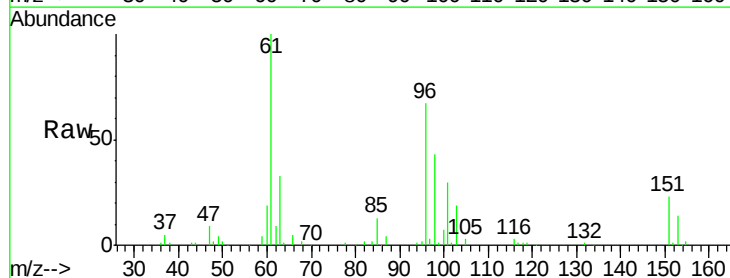
MMDadoda
 1/20/2020 11:12:13 AM

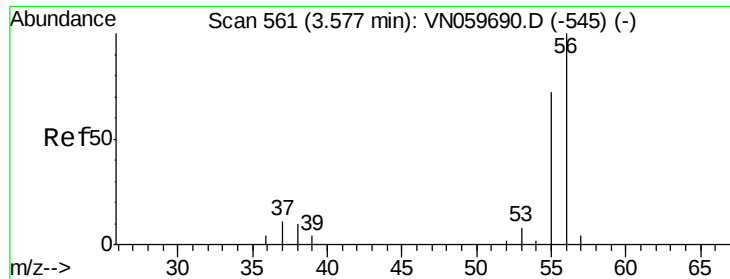


#12

1,1-Dichloroethene
 Concen: 53.094 ug/l
 RT: 3.72 min Scan# 604
 Delta R.T. 0.00 min
 Lab File: VN059774.D
 Acq: 17 Jan 2020 20:26

Tgt Ion	Ratio	Lower	Upper
96	100		
61	149.9	137.5	206.3
98	64.6	50.2	75.4





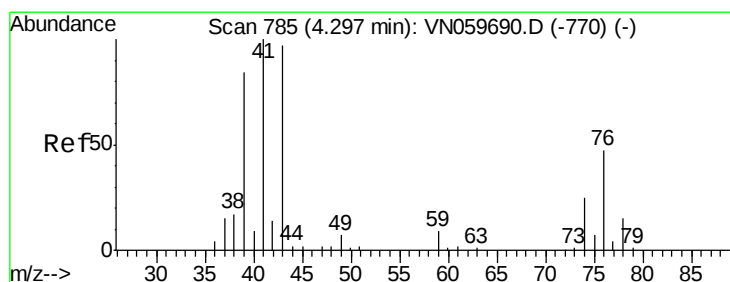
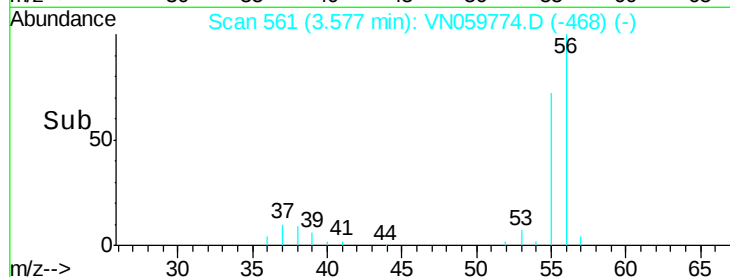
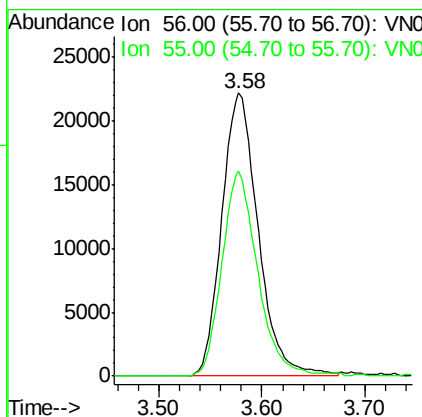
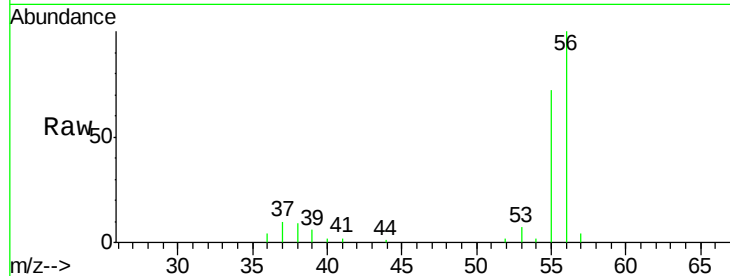
#13
Acrolein
Concen: 229.076 ug/l
RT: 3.58 min Scan# 561
Delta R.T. 0.00 min
Lab File: VN059774.D
Acq: 17 Jan 2020 20:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 56 Resp: 54636
Ion Ratio Lower Upper
56 100
55 70.4 58.6 88.0

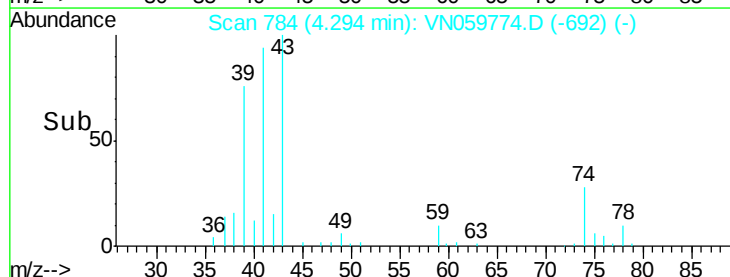
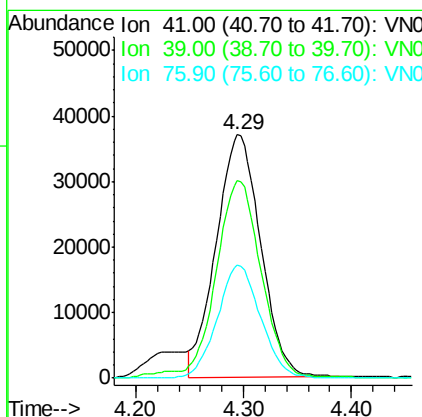
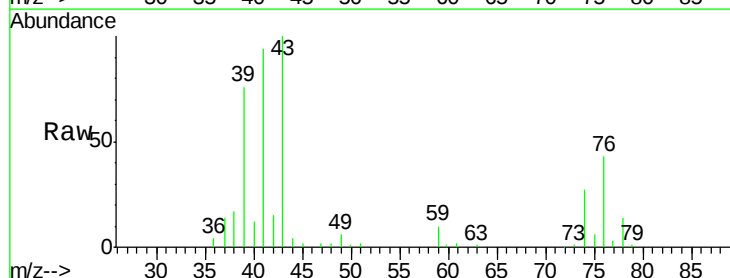
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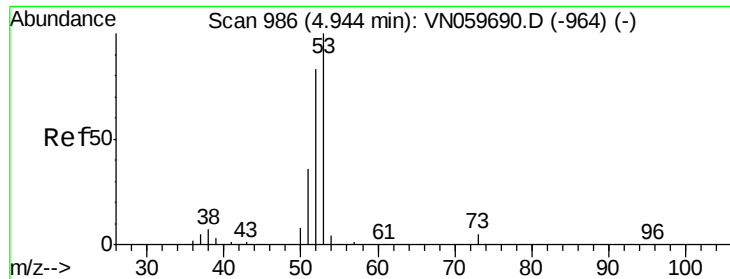
MMDadoda
1/20/2020 11:12:13 AM



#14
Allyl chloride
Concen: 47.735 ug/l
RT: 4.29 min Scan# 784
Delta R.T. -0.00 min
Lab File: VN059774.D
Acq: 17 Jan 2020 20:26

Tgt Ion: 41 Resp: 106089
Ion Ratio Lower Upper
41 100
39 80.9 57.8 86.8
76 45.3 25.4 38.0#





#15

Acrylonitrile

Concen: 271.525 ug/l

RT: 4.94 min Scan# 986

Delta R.T. 0.00 min

Lab File: VN059774.D

Acq: 17 Jan 2020 20:26

Instrument :

MSVOA_N

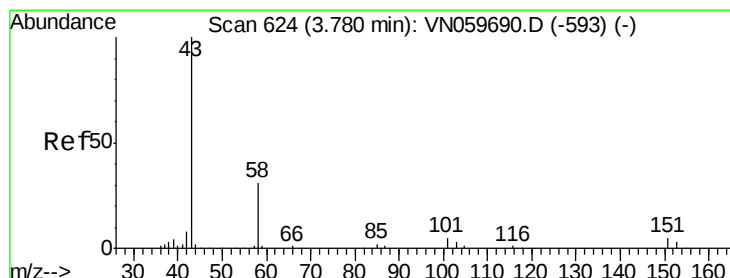
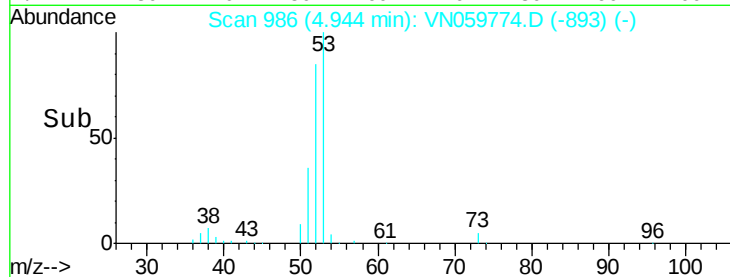
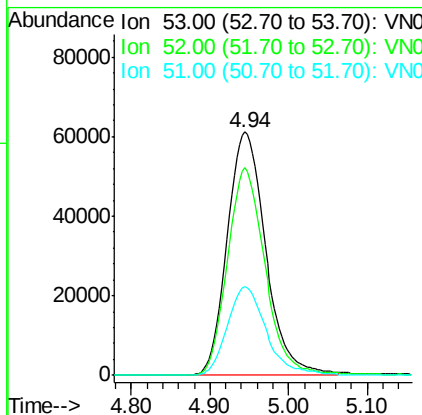
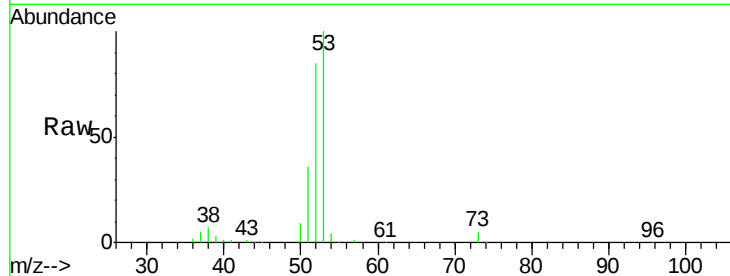
ClientSampleId :

VSTDCCC050EC

Tot Ion	53	Resp	208685
Ion	Ratio	Lower	Upper
53	100		
52	83.2	66.3	99.5
51	37.0	29.7	44.5

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#16

Acetone

Concen: 263.344 ug/l

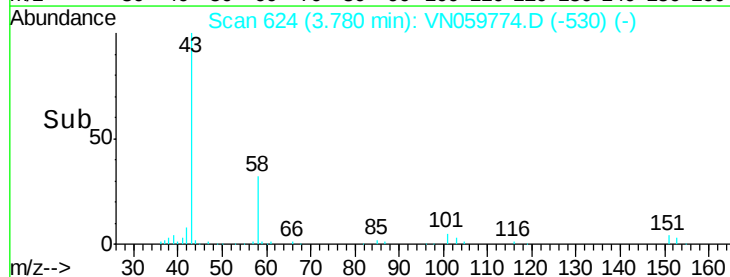
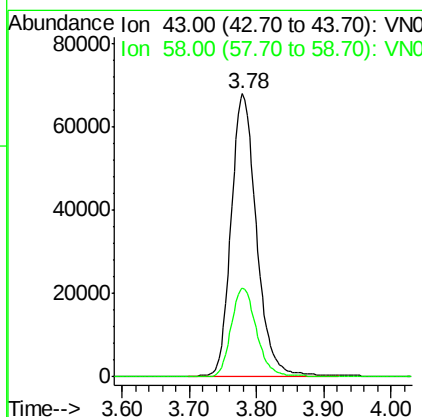
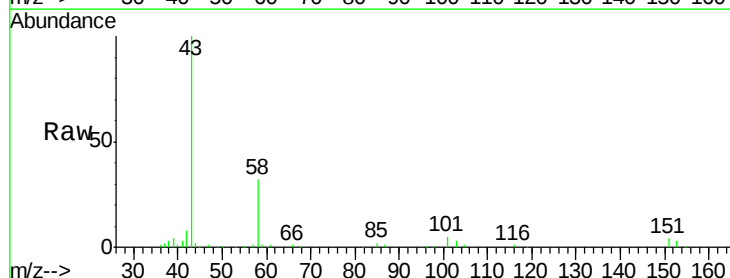
RT: 3.78 min Scan# 624

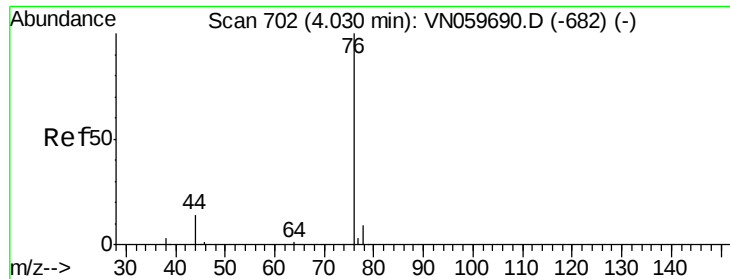
Delta R.T. 0.00 min

Lab File: VN059774.D

Acq: 17 Jan 2020 20:26

Tgt Ion	43	Resp	179402
Ion	Ratio	Lower	Upper
43	100		
58	31.6	23.6	35.4





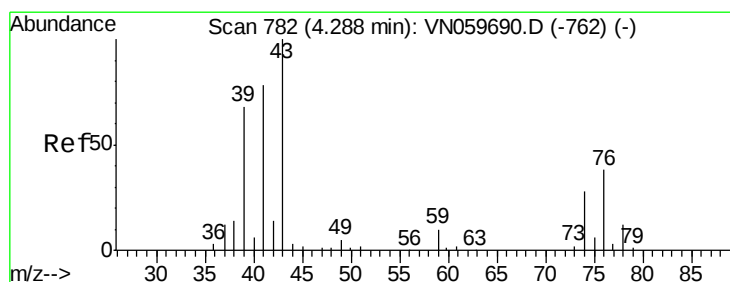
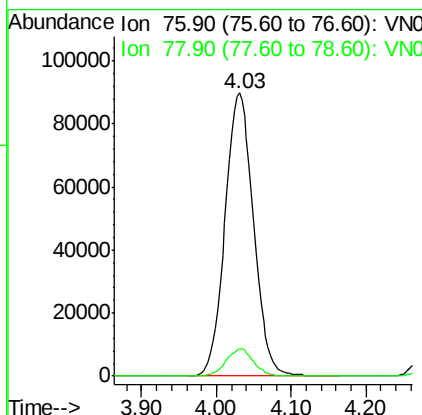
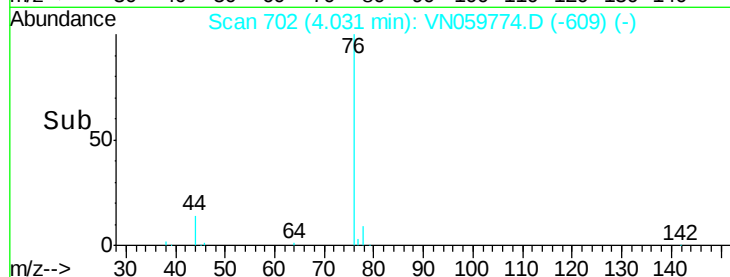
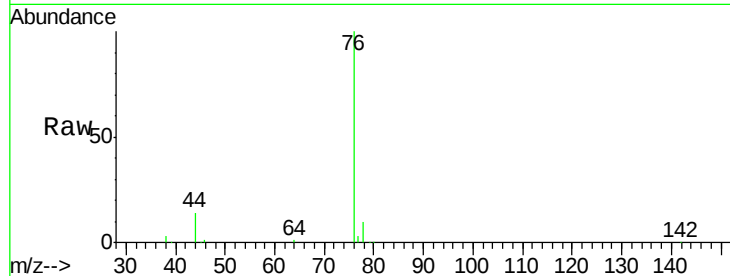
#17
Carbon Disulfide
Concen: 50.424 ug/l
RT: 4.03 min Scan# 702
Delta R.T. 0.00 min
Lab File: VN059774.D
Acq: 17 Jan 2020 20:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.7	7.4	11.0

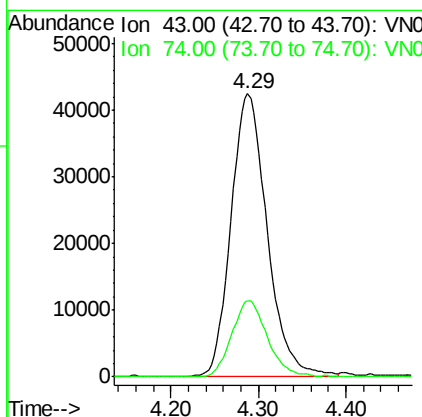
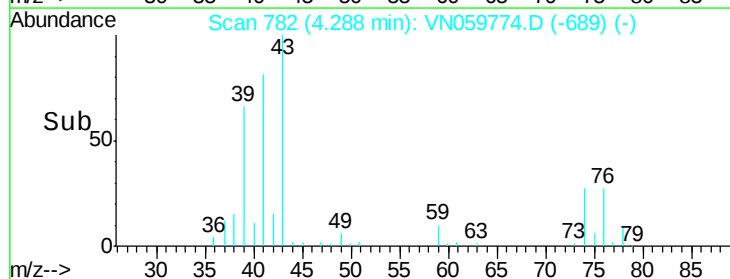
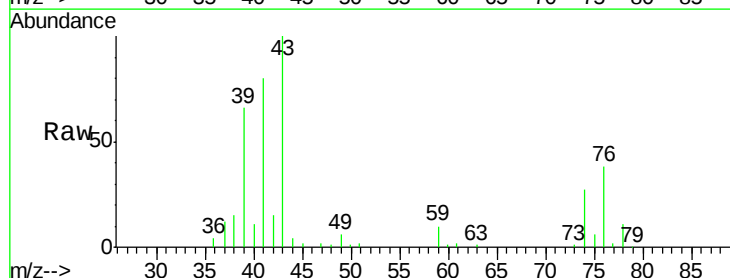
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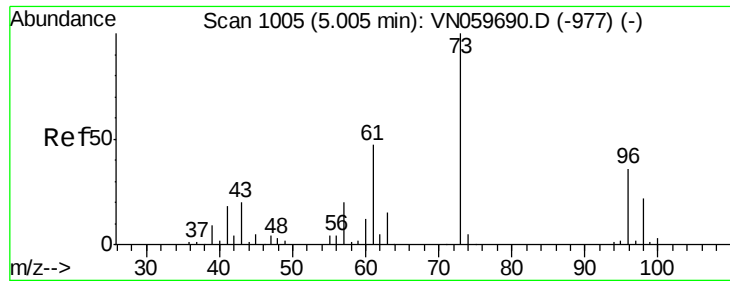
MMDadoda
1/20/2020 11:12:13 AM



#18
Methyl Acetate
Concen: 52.186 ug/l
RT: 4.29 min Scan# 782
Delta R.T. 0.00 min
Lab File: VN059774.D
Acq: 17 Jan 2020 20:26

Tgt Ion	Ratio	Lower	Upper
43	100		
74	26.5	17.5	26.3#





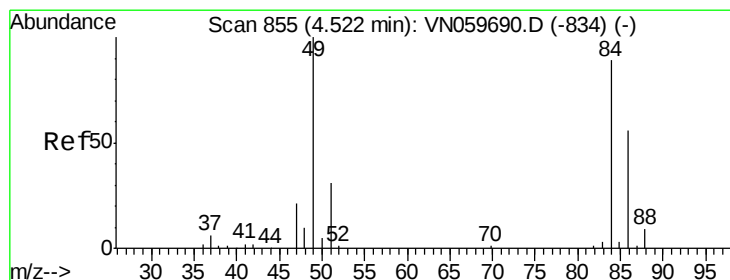
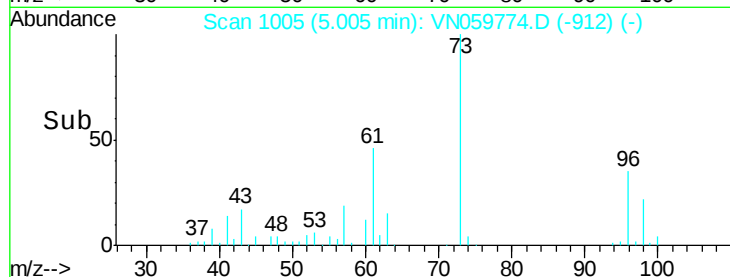
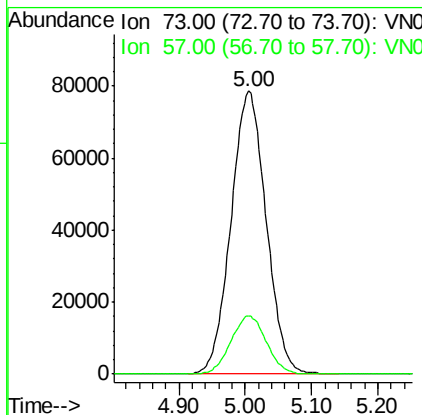
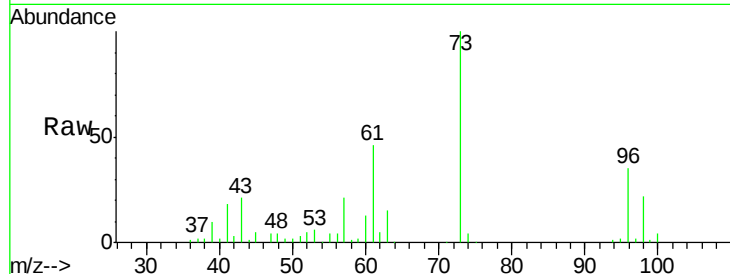
#19
Methvl tert-butvl Ether
Concen: 53.825 ug/l
RT: 5.00 min Scan# 1005
Delta R.T. 0.00 min
Lab File: VN059774.D
Acq: 17 Jan 2020 20:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 289363
Ion Ratio Lower Upper
73 100
57 20.7 18.6 27.8

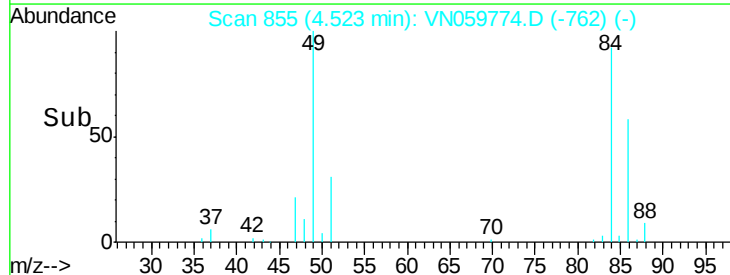
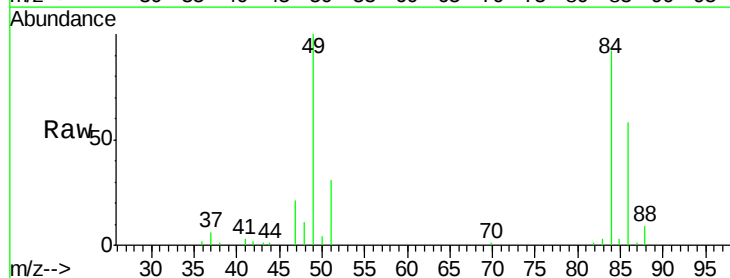
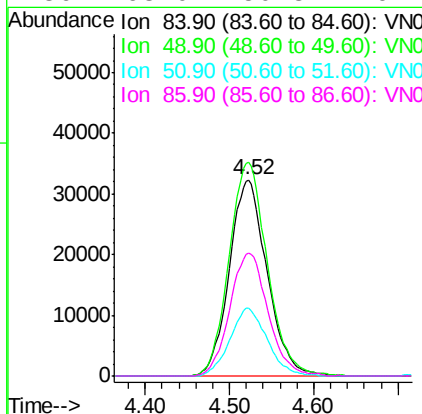
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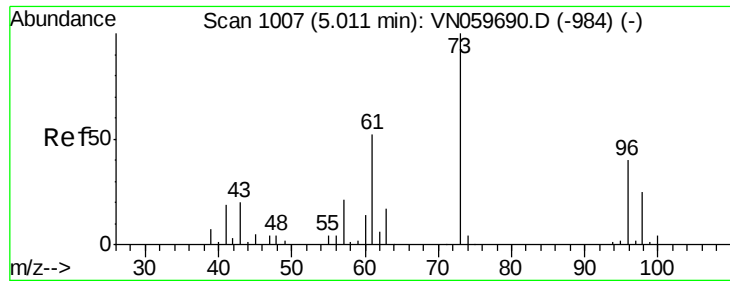
MMDadoda
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#20
Methylene Chloride
Concen: 55.790 ug/l
RT: 4.52 min Scan# 855
Delta R.T. 0.00 min
Lab File: VN059774.D
Acq: 17 Jan 2020 20:26

Tgt Ion: 84 Resp: 100751
Ion Ratio Lower Upper
84 100
49 109.0 106.6 160.0
51 34.3 31.9 47.9
86 63.0 50.8 76.2





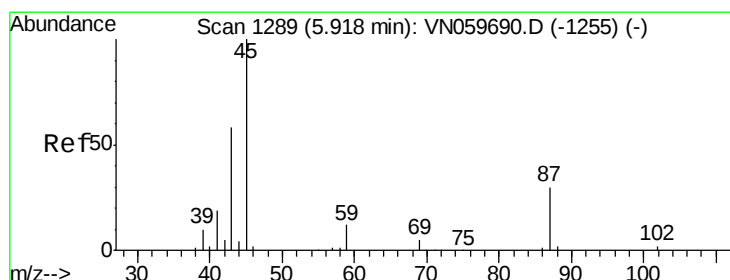
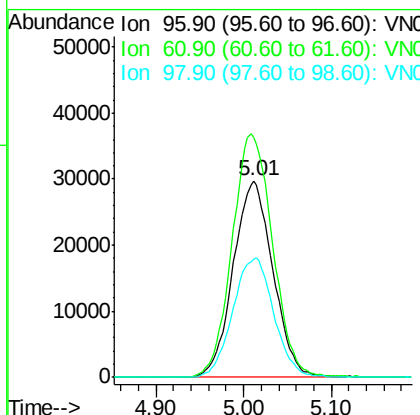
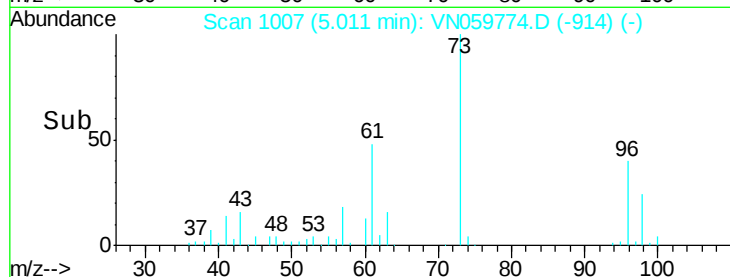
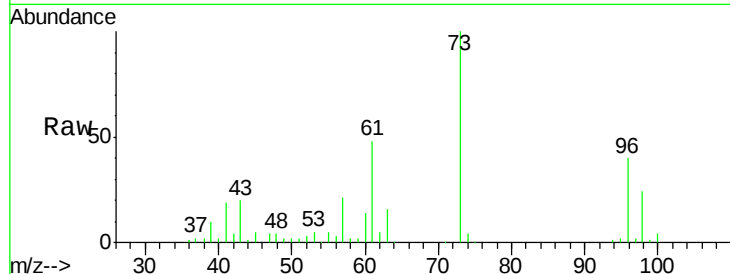
#21
trans-1,2-Dichloroethene
Concen: 53.329 ug/l
RT: 5.01 min Scan# 1007
Delta R.T. 0.00 min
Lab File: VN059774.D
Acq: 17 Jan 2020 20:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	122.3	120.4	180.6
98	60.1	50.6	75.8

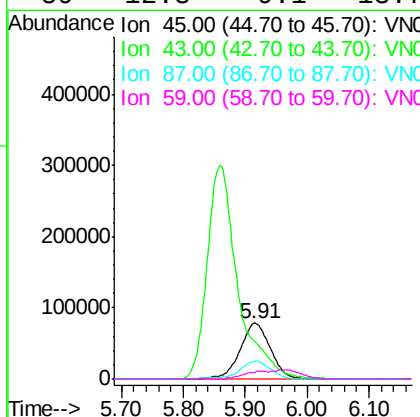
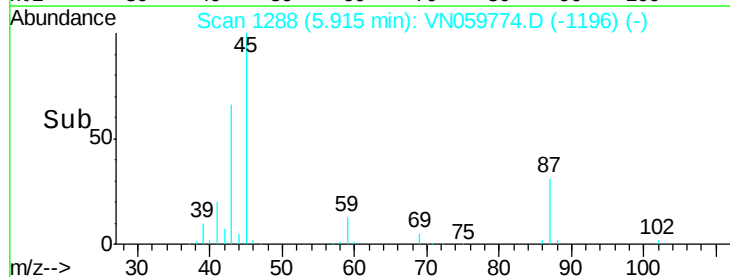
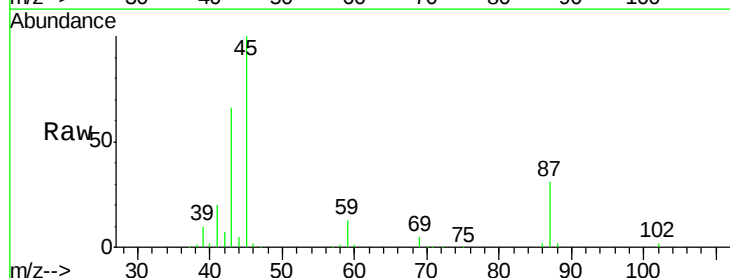
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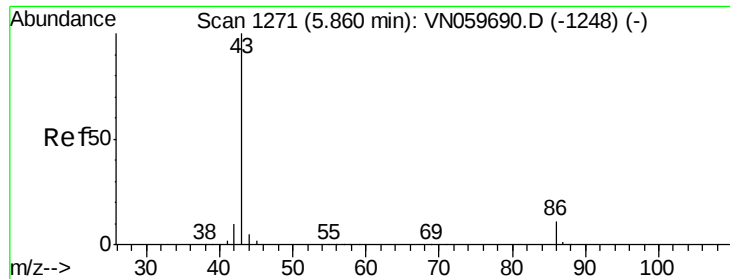
MMDadoda
1/20/2020 11:12:13 AM



#22
Diisopropyl ether
Concen: 52.832 ug/l
RT: 5.91 min Scan# 1288
Delta R.T. -0.00 min
Lab File: VN059774.D
Acq: 17 Jan 2020 20:26

Tgt Ion	Ratio	Lower	Upper
45	100		
43	65.3	50.8	76.2
87	31.3	21.0	31.6
59	12.3	9.1	13.7





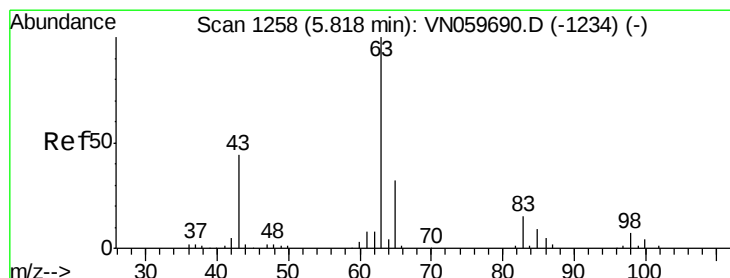
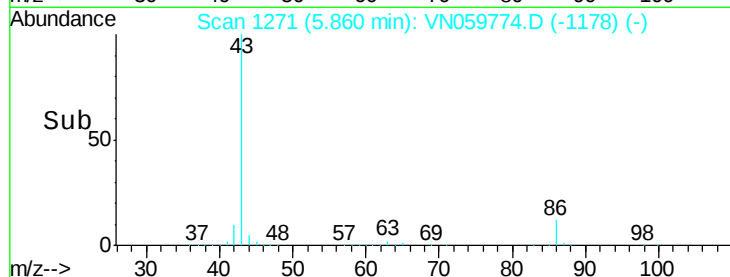
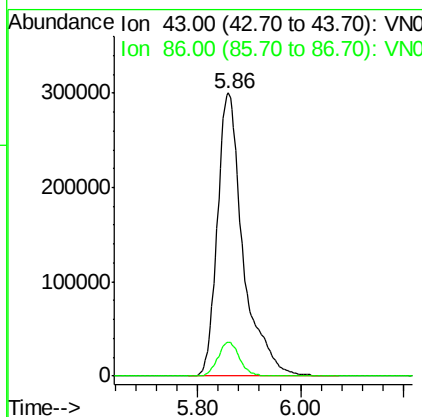
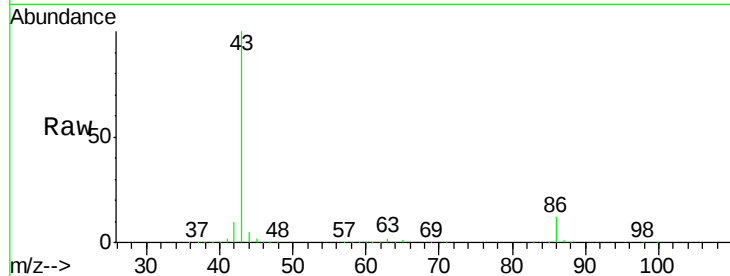
#23
 Vinyl Acetate
 Concen: 266.396 ug/l
 RT: 5.86 min Scan# 1271
 Delta R.T. 0.00 min
 Lab File: VN059774.D
 Acq: 17 Jan 2020 20:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 43 Resp: 1038810
 Ion Ratio Lower Upper
 43 100
 86 12.1 7.6 11.4#

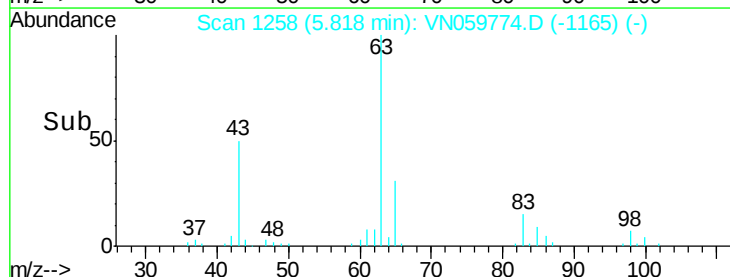
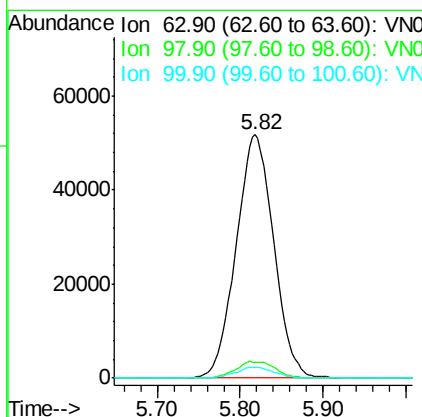
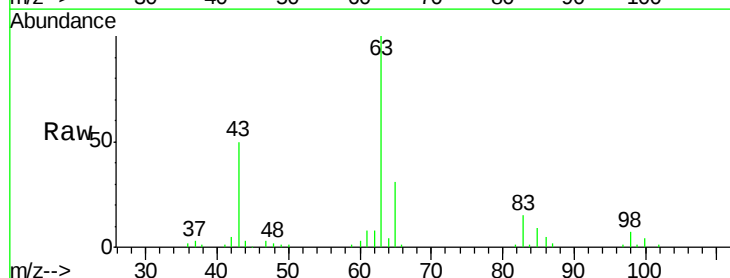
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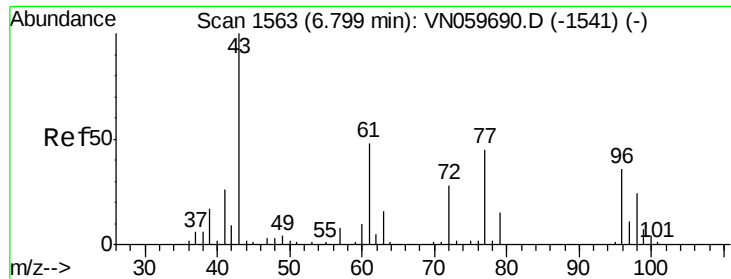
MMDadoda
 1/20/2020 11:12:13 AM



#24
 1,1-Dichloroethane
 Concen: 52.931 ug/l
 RT: 5.82 min Scan# 1258
 Delta R.T. 0.00 min
 Lab File: VN059774.D
 Acq: 17 Jan 2020 20:26

Tgt Ion: 63 Resp: 162892
 Ion Ratio Lower Upper
 63 100
 98 6.6 2.9 8.7
 100 4.2 2.0 6.0





#25

2-Butanone

Concen: 240.128 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VN059774.D

Acq: 17 Jan 2020 20:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 272161

Ion Ratio Lower Upper

43 100

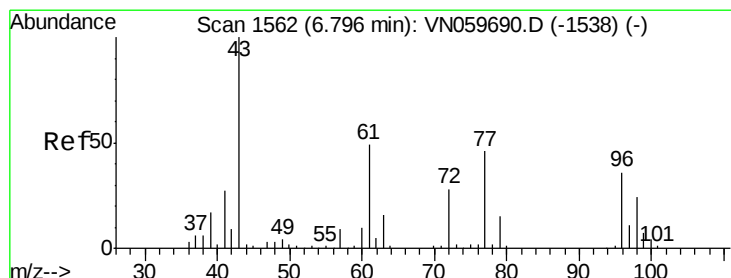
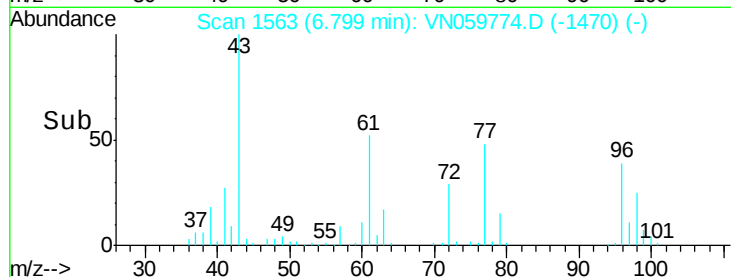
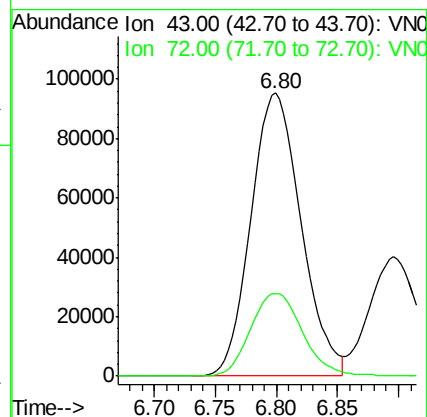
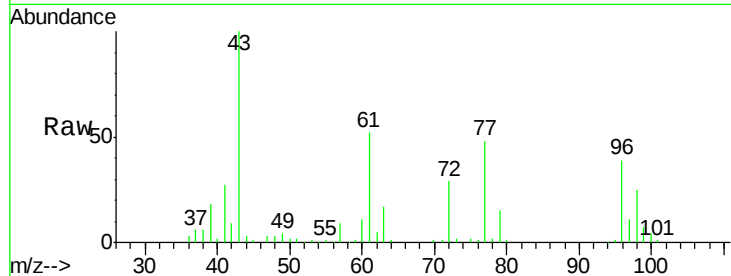
72 29.2 19.9 29.9

Manual Integrations

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MMDadoda

1/20/2020 11:12:13 AM



#26

2,2-Dichloropropane

Concen: 49.210 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. 0.00 min

Lab File: VN059774.D

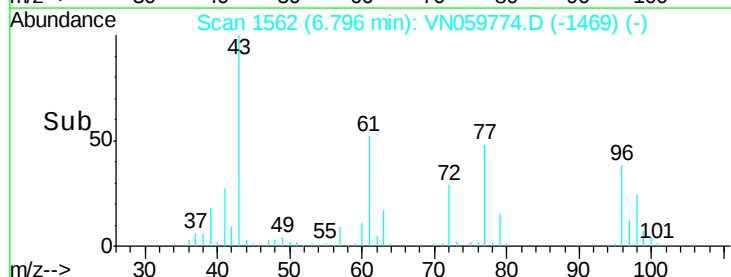
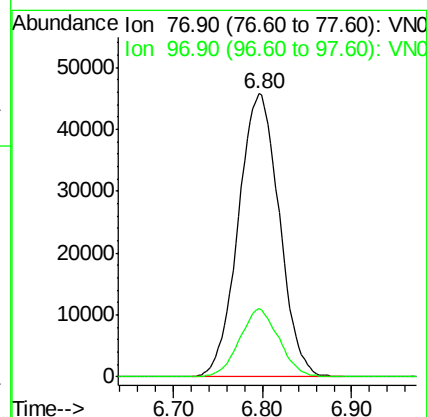
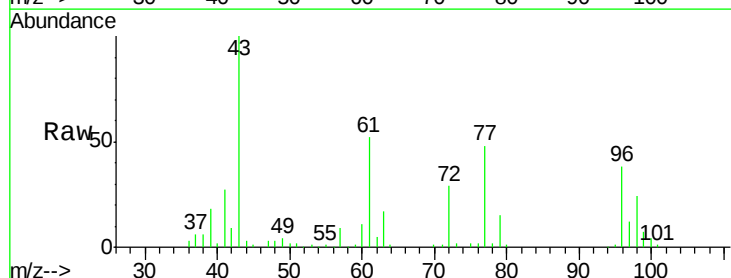
Acq: 17 Jan 2020 20:26

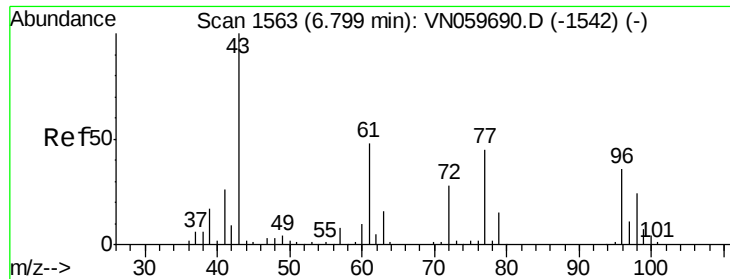
Tgt Ion: 77 Resp: 145591

Ion Ratio Lower Upper

77 100

97 23.0 10.7 31.9





#27

cis-1,2-Dichloroethene

Concen: 53.910 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VN059774.D

Acq: 17 Jan 2020 20:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 96 Resp: 108679

Ion Ratio Lower Upper

96 100

61 134.9 0.0 317.6

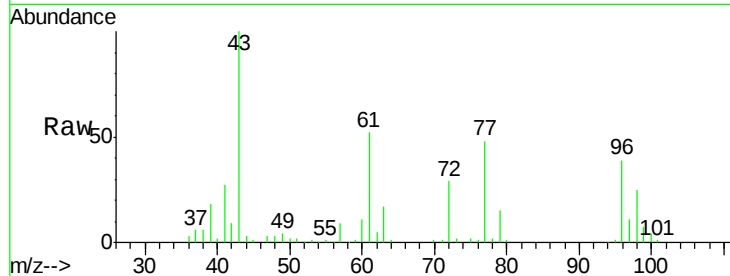
98 64.5 0.0 127.0

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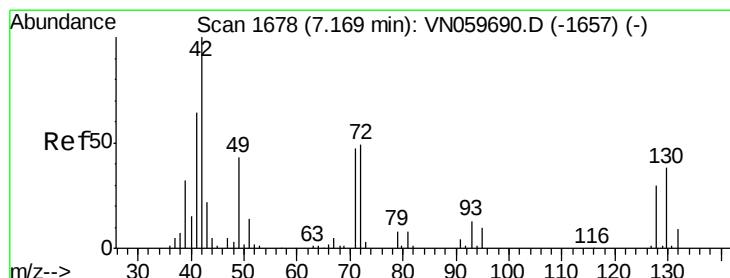
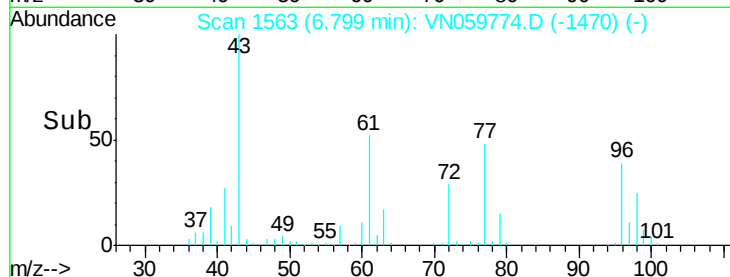
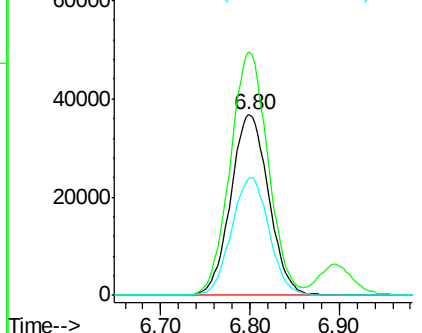
1/20/2020 11:12:13 AM



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 51.351 ug/l

RT: 7.17 min Scan# 1678

Delta R.T. 0.00 min

Lab File: VN059774.D

Acq: 17 Jan 2020 20:26

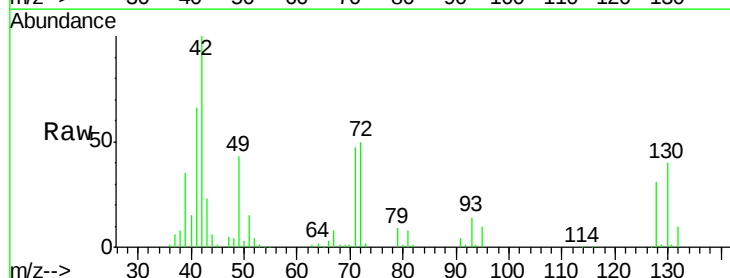
Tgt Ion: 49 Resp: 63162

Ion Ratio Lower Upper

49 100

129 2.1 0.0 3.4

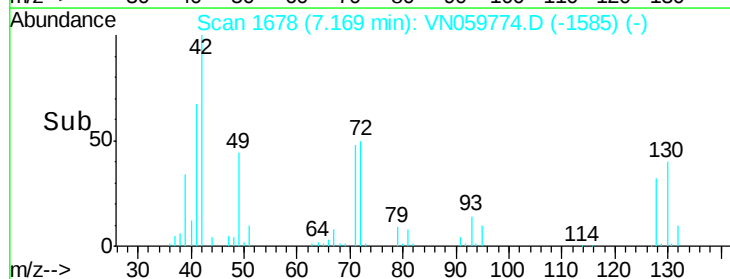
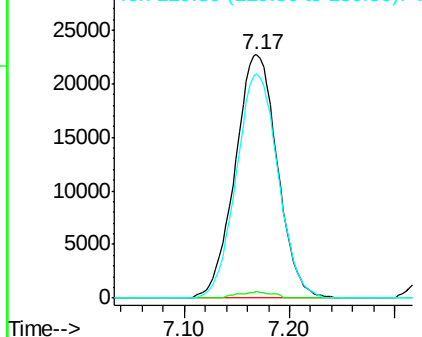
130 91.3 54.7 82.1#

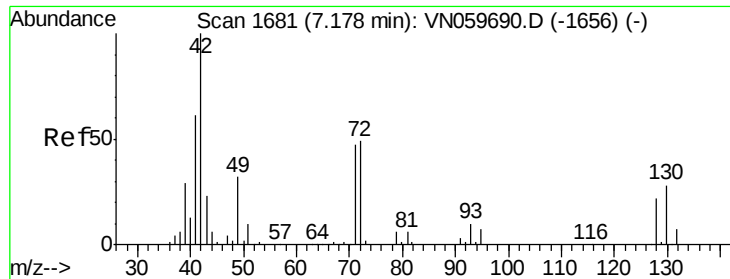


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





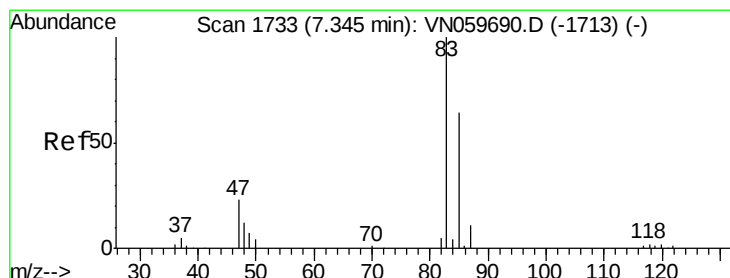
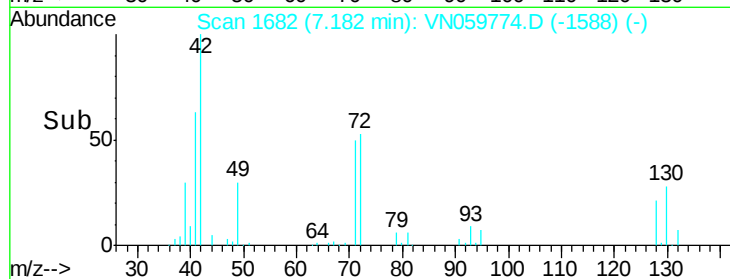
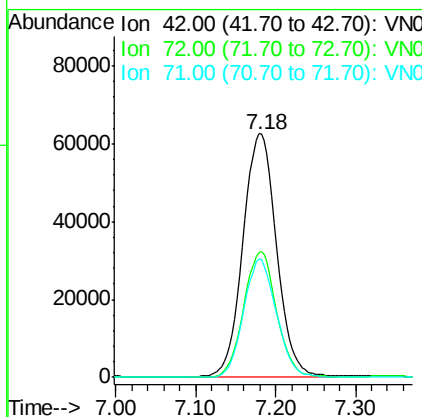
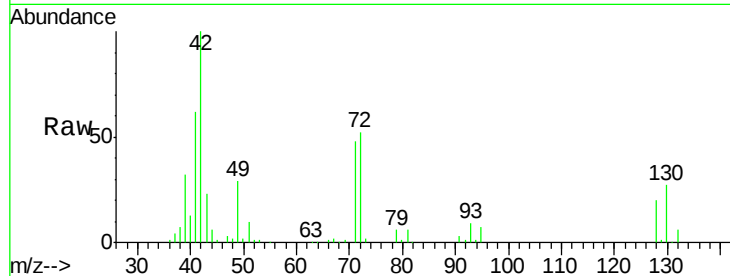
#29
Tetrahydrofuran
Concen: 255.834 ug/l
RT: 7.18 min Scan# 1682
Delta R.T. 0.00 min
Lab File: VN059774.D
Acq: 17 Jan 2020 20:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	50.3	33.1	49.7#
71	47.0	31.4	47.0

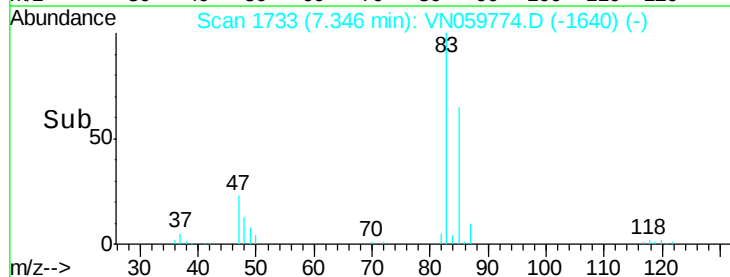
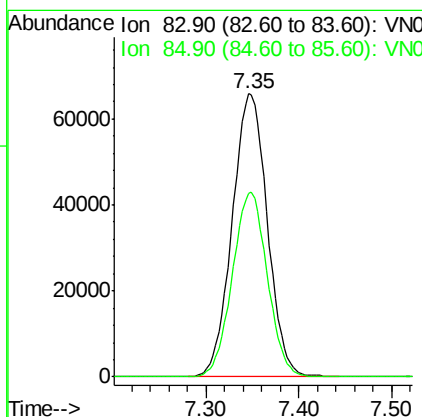
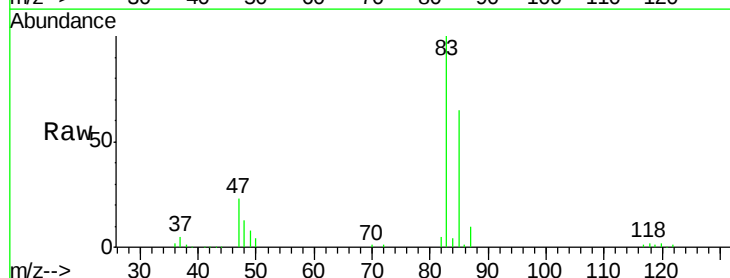
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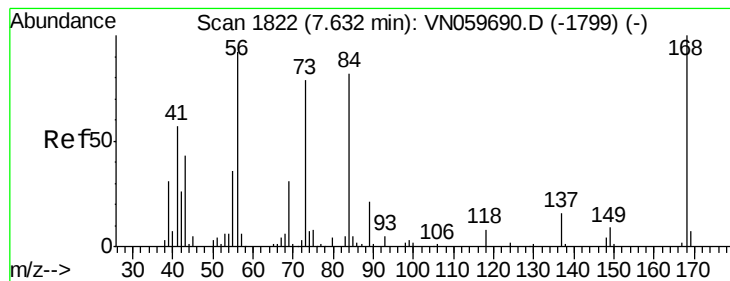
MMDadoda
1/20/2020 11:12:13 AM



#30
Chloroform
Concen: 54.280 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. 0.00 min
Lab File: VN059774.D
Acq: 17 Jan 2020 20:26

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.1	52.4	78.6





#31

Cyclohexane

Concen: 48.206 ug/l

RT: 7.63 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VN059774.D

Acq: 17 Jan 2020 20:26

Instrument :

MSVOA_N

ClientSampleId :

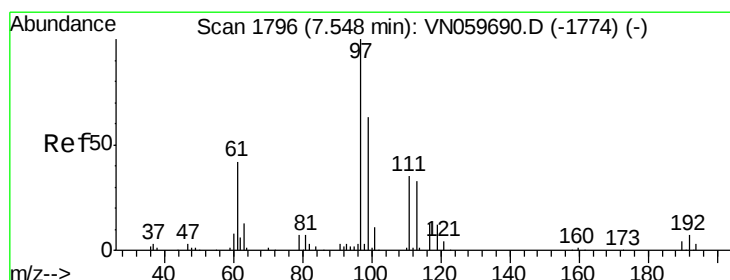
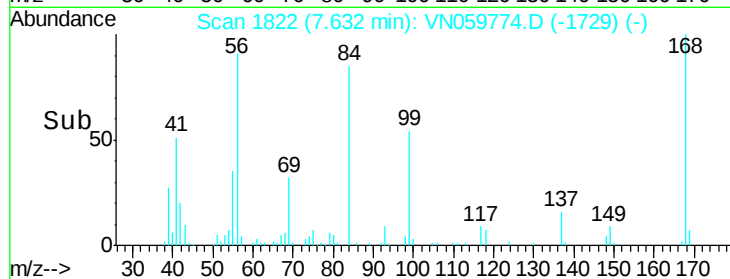
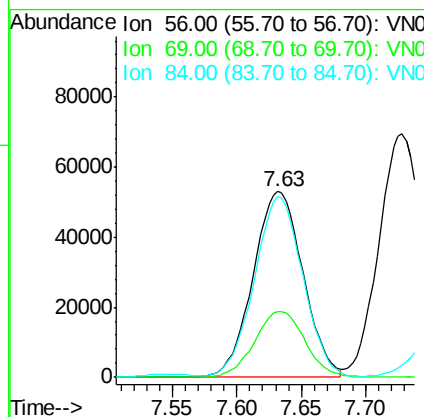
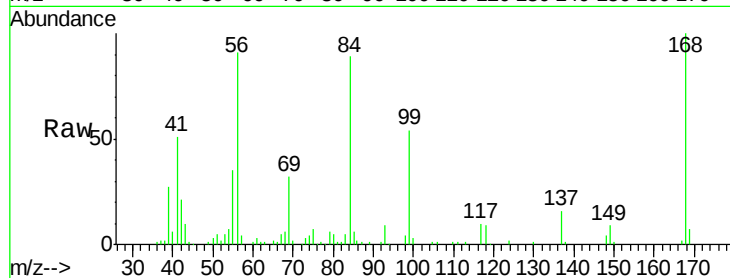
VSTDCCC050EC

Tot Ion: 56 Resp: 142750

Ion	Ratio	Lower	Upper
56	100		
69	35.4	26.5	39.7
84	96.2	65.3	97.9

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1/20/2020 11:12:13 AM



#32

1,1,1-Trichloroethane

Concen: 54.665 ug/l

RT: 7.55 min Scan# 1796

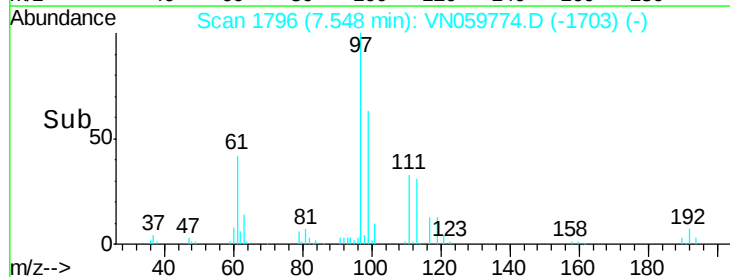
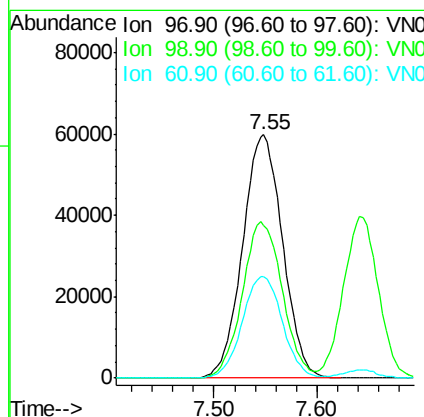
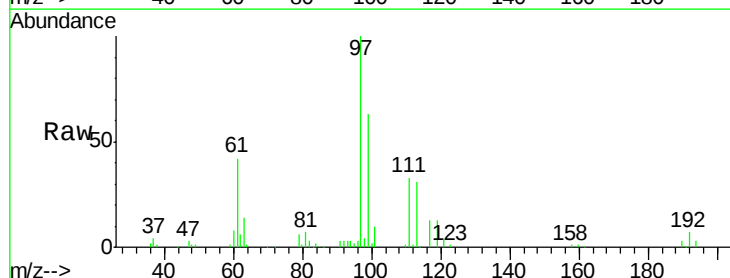
Delta R.T. 0.00 min

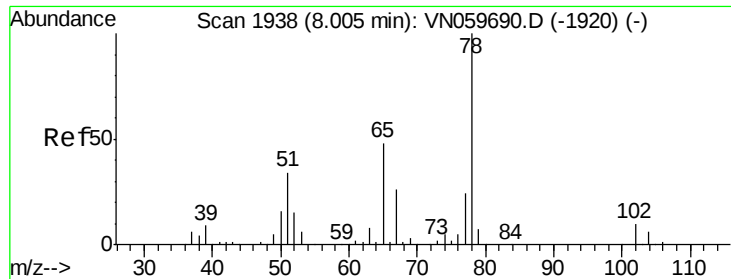
Lab File: VN059774.D

Acq: 17 Jan 2020 20:26

Tgt Ion: 97 Resp: 161164

Ion	Ratio	Lower	Upper
97	100		
99	64.1	51.0	76.4
61	41.9	38.5	57.7





#33

1,2-Dichloroethane-d4

Concen: 50.527 ug/l

RT: 8.00 min Scan# 1938

Delta R.T. 0.00 min

Lab File: VN059774.D

Acq: 17 Jan 2020 20:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 65 Resp: 101126

Ion Ratio Lower Upper

65 100

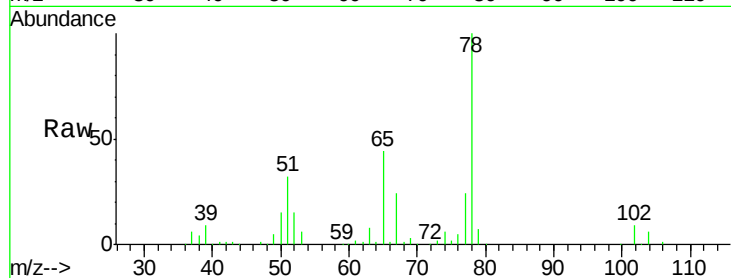
67 53.2 0.0 103.0

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Abundance Ion 64.90 (64.60 to 65.60): VN059774.D (-1845) (-)

Ion 66.90 (66.60 to 67.60): VN059774.D (-1845) (-)

8.00

40000

30000

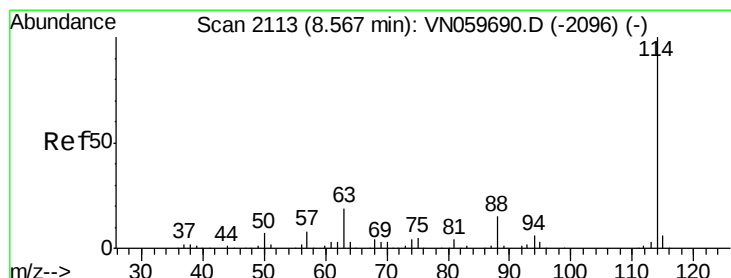
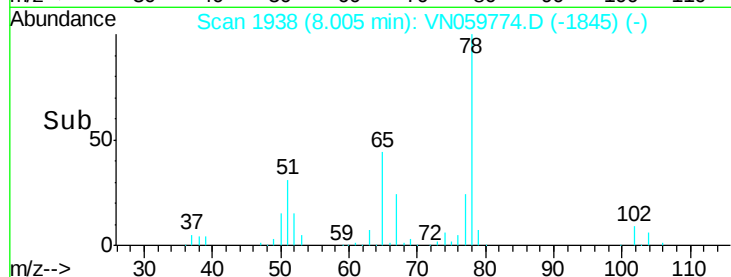
20000

10000

0

7.90 7.95 8.00 8.05 8.10

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2113

Delta R.T. 0.00 min

Lab File: VN059774.D

Acq: 17 Jan 2020 20:26

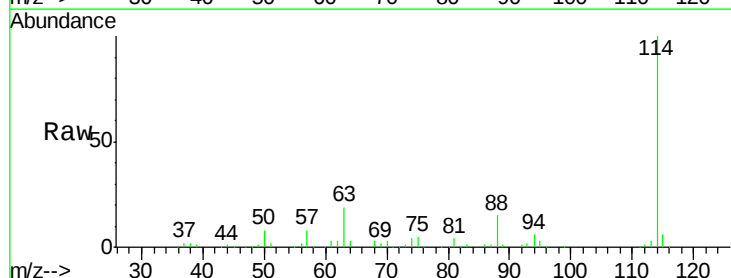
Tgt Ion: 114 Resp: 281130

Ion Ratio Lower Upper

114 100

63 19.2 0.0 43.6

88 14.6 0.0 31.4



Abundance Ion 113.90 (113.60 to 114.60): VN059774.D (-2020) (-)

Ion 63.00 (62.70 to 63.70): VN059774.D (-2020) (-)

Ion 87.90 (87.60 to 88.60): VN059774.D (-2020) (-)

8.57

150000

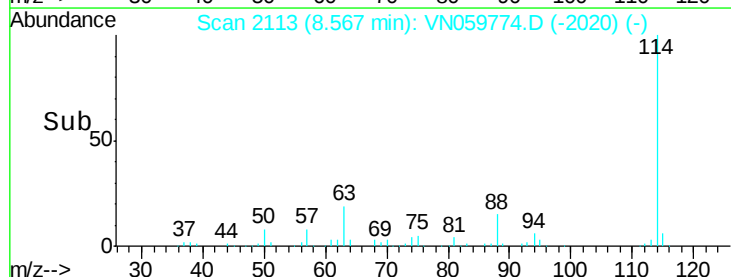
100000

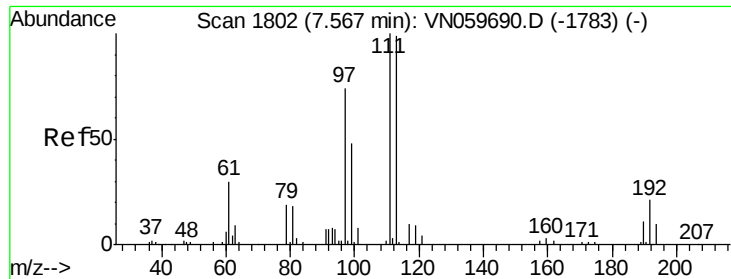
50000

0

8.50 8.55 8.60 8.65 8.70

Time-->





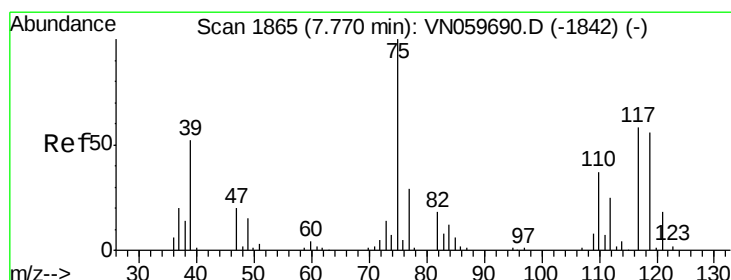
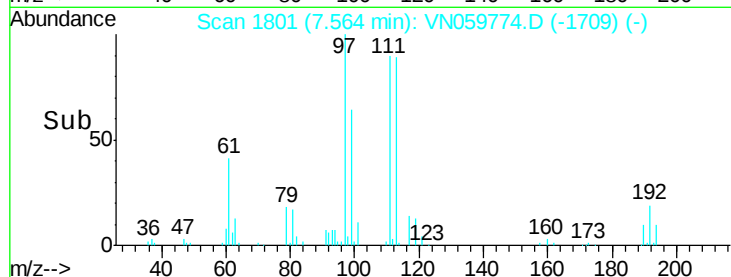
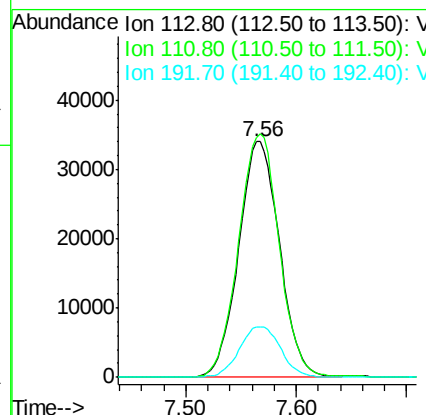
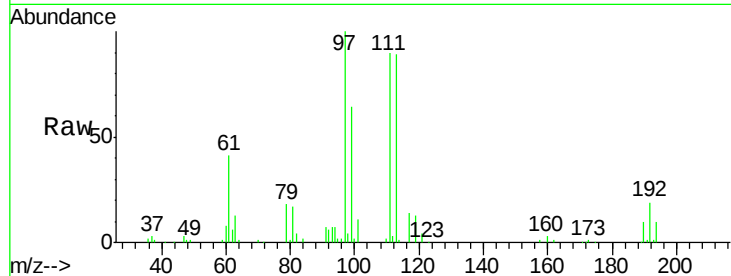
#35
Dibromofluoromethane
Concen: 52.042 ug/l
RT: 7.56 min Scan# 1801
Delta R.T. -0.00 min
Lab File: VN059774.D
Acq: 17 Jan 2020 20:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.6	83.5	125.3
192	21.6	15.4	23.2

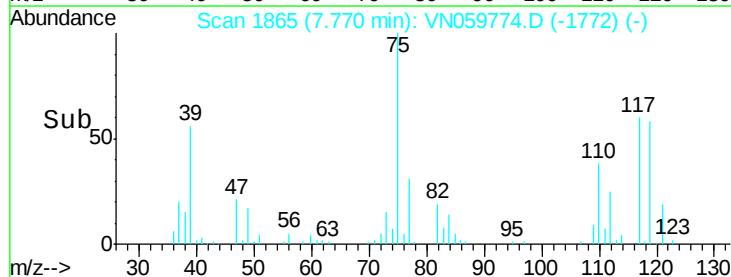
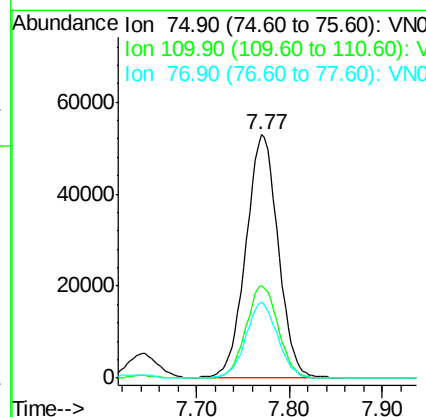
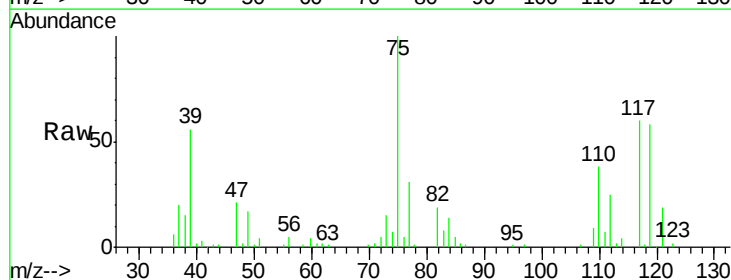
Manual Integrations
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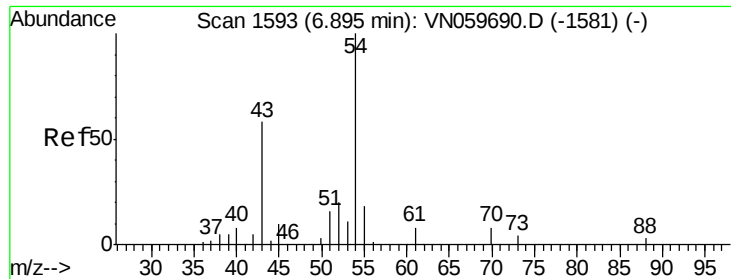
MMDadoda
1/20/2020 11:12:13 AM



#36
1,1-Dichloropropene
Concen: 52.203 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. 0.00 min
Lab File: VN059774.D
Acq: 17 Jan 2020 20:26

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





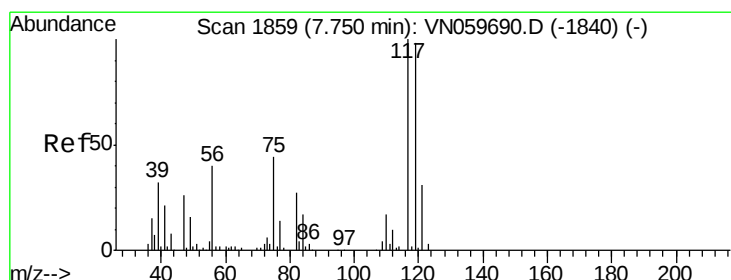
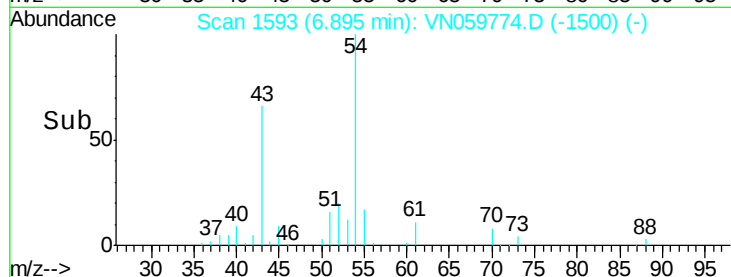
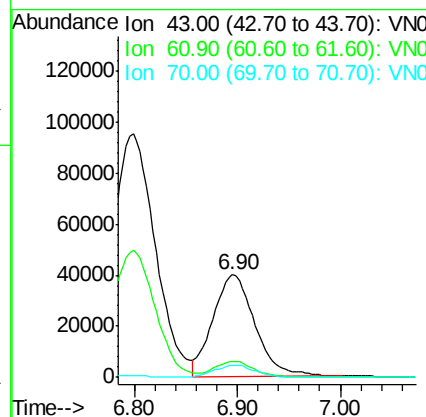
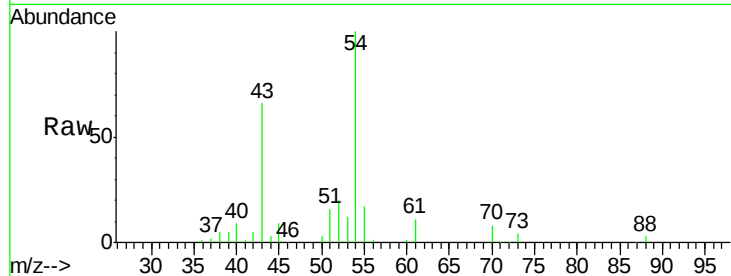
#37
Ethyl Acetate
Concen: 49.419 ug/l
RT: 6.90 min Scan# 1593
Delta R.T. 0.00 min
Lab File: VN059774.D
Acq: 17 Jan 2020 20:26

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.2	10.9	16.3
70	11.6	7.7	11.5

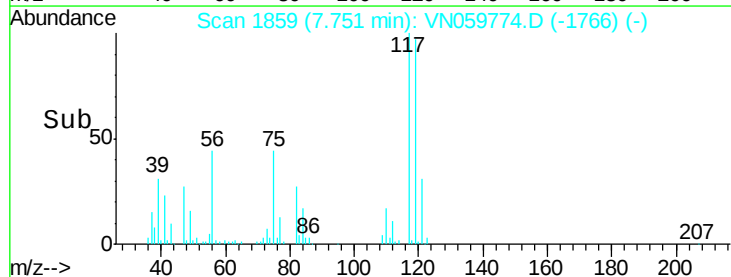
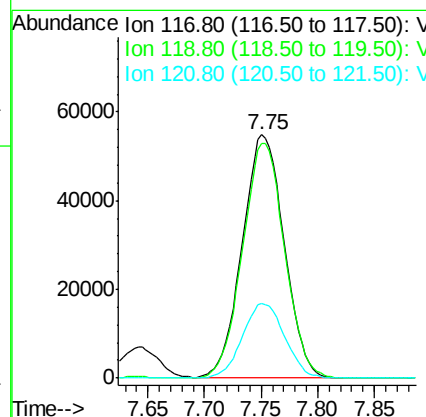
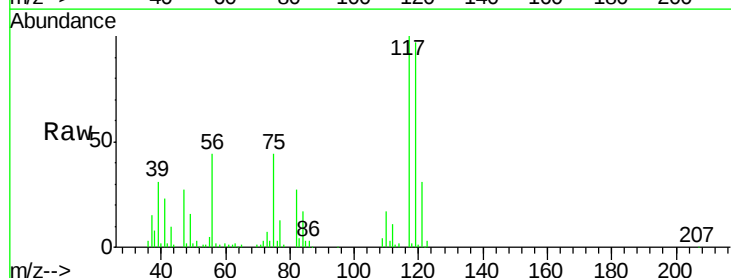
Manual Integrations
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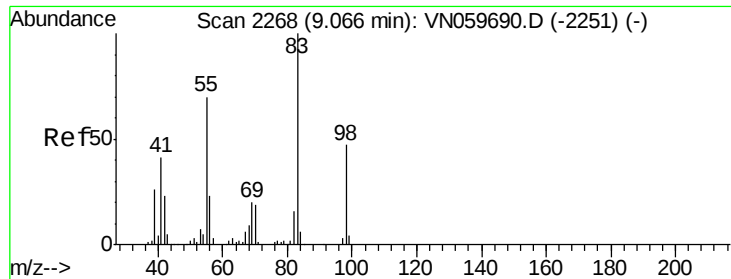
MMDadoda
1/20/2020 11:12:13 AM



#38
Carbon Tetrachloride
Concen: 53.167 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. 0.00 min
Lab File: VN059774.D
Acq: 17 Jan 2020 20:26

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.6	76.5	114.7
121	30.7	25.1	37.7





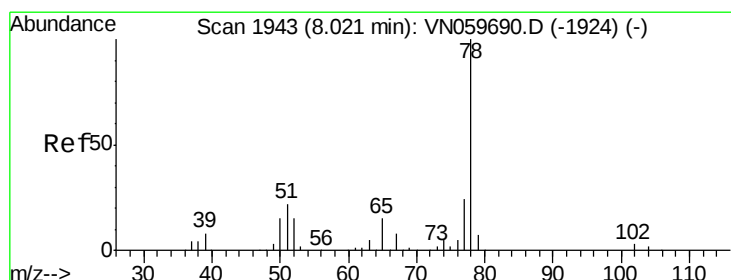
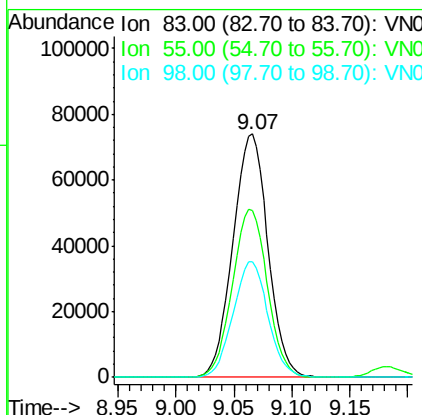
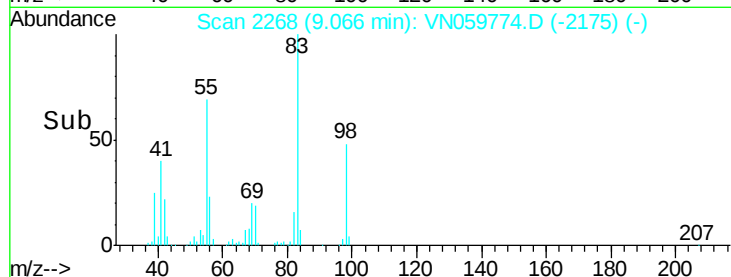
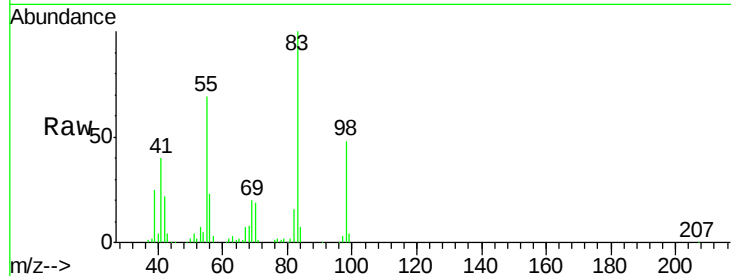
#39
Methvlcvclohexane
Concen: 51.366 ug/l
RT: 9.07 min Scan# 2268
Delta R.T. 0.00 min
Lab File: VN059774.D
Acq: 17 Jan 2020 20:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	68.6		64.2	96.2
98	47.7		35.9	53.9

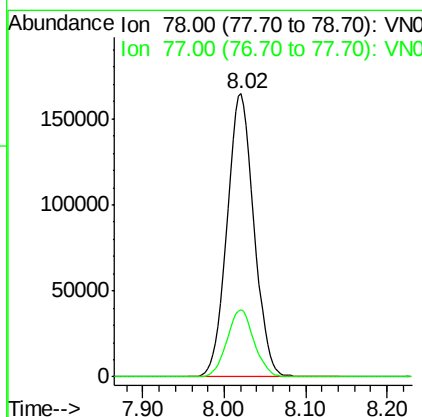
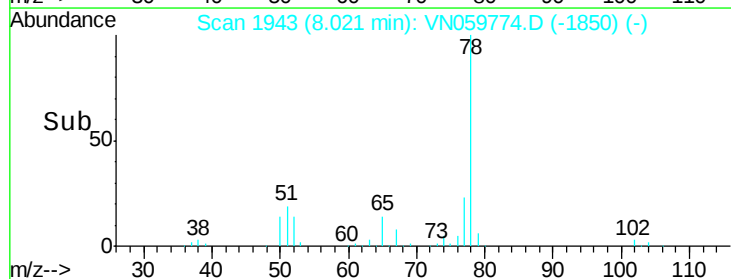
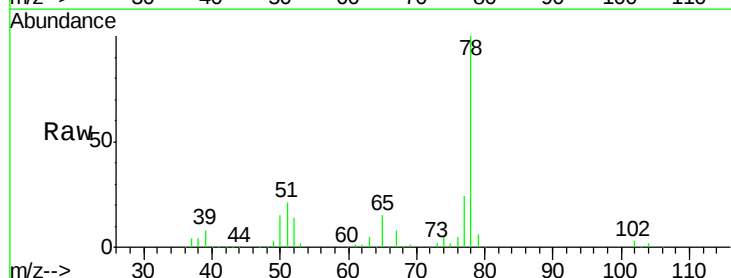
Manual Integrations
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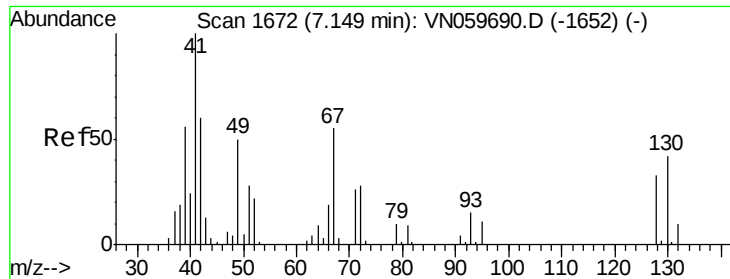
MMDadoda
1/20/2020 11:12:13 AM



#40
Benzene
Concen: 52.201 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. 0.00 min
Lab File: VN059774.D
Acq: 17 Jan 2020 20:26

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	23.6		18.9	28.3





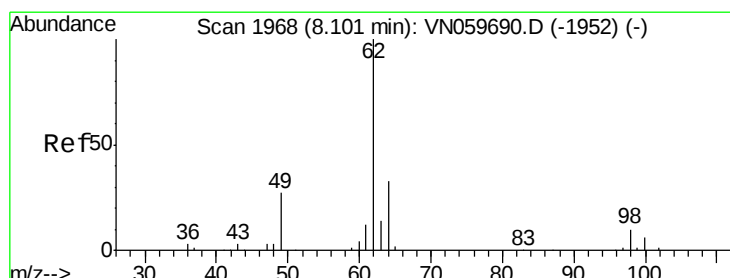
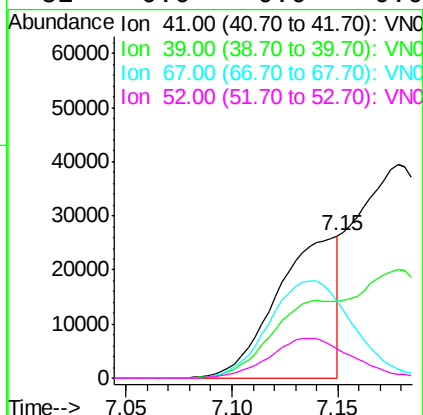
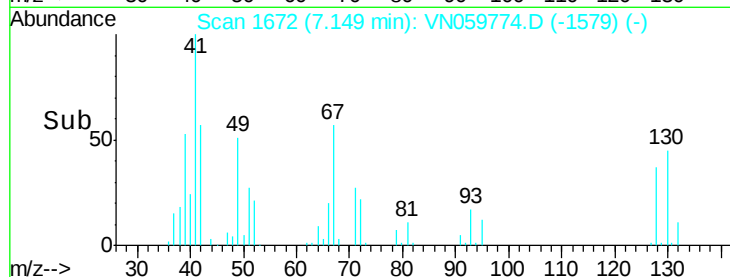
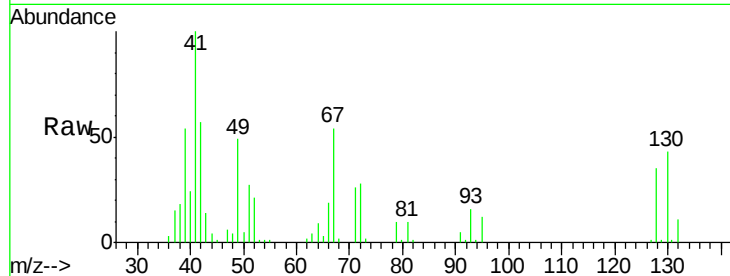
#41
Methacrylonitrile
Concen: 46.290 ug/l m
RT: 7.15 min Scan# 1672
Delta R.T. 0.00 min
Lab File: VN059774.D
Acq: 17 Jan 2020 20:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	41	Resp	52354
Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

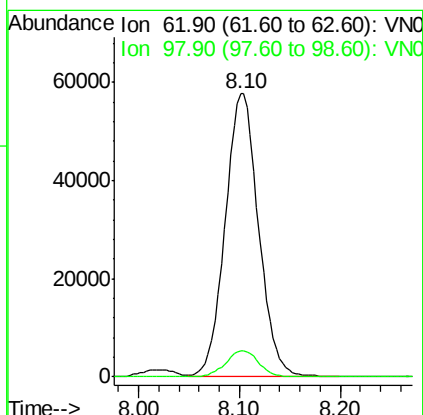
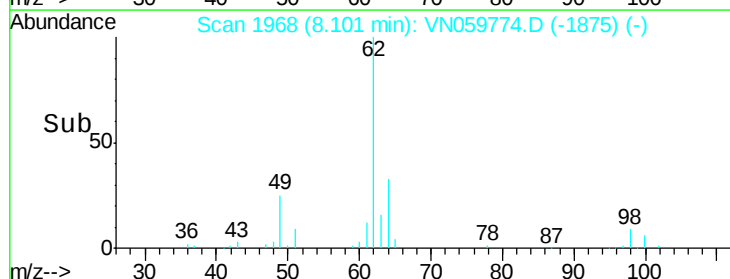
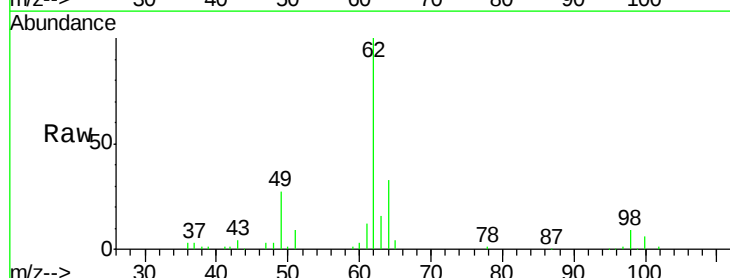
Manual Integrations
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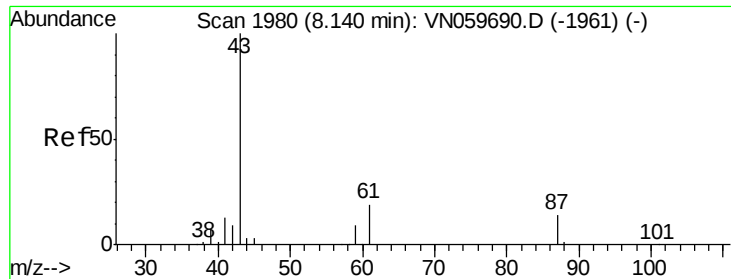
MMDadoda
1/20/2020 11:12:13 AM



#42
1,2-Dichloroethane
Concen: 53.711 ug/l
RT: 8.10 min Scan# 1968
Delta R.T. 0.00 min
Lab File: VN059774.D
Acq: 17 Jan 2020 20:26

Tgt Ion	62	Resp	132964
Ion	Ratio	Lower	Upper
62	100		
98	9.0	0.0	15.8





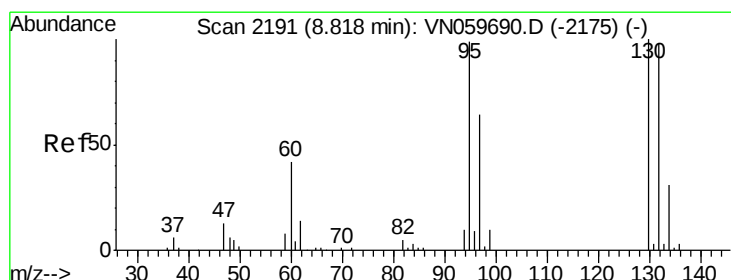
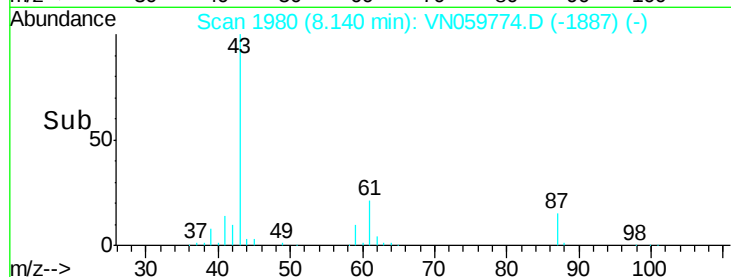
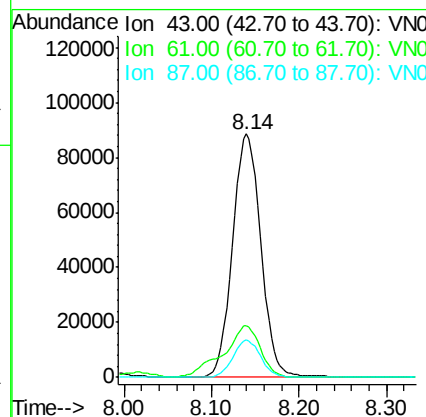
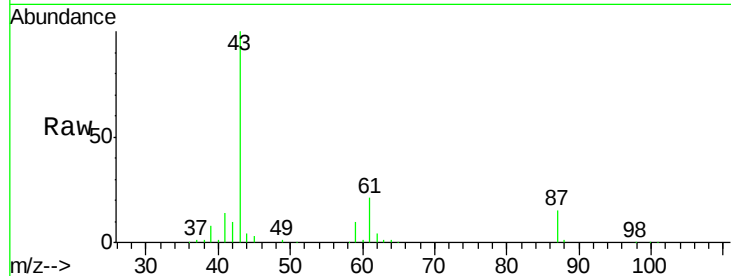
#43
Isopropyl Acetate
Concen: 50.390 ug/l
RT: 8.14 min Scan# 1980
Delta R.T. 0.00 min
Lab File: VN059774.D
Acq: 17 Jan 2020 20:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	27.7	20.2	30.2
87	14.9	9.5	14.3

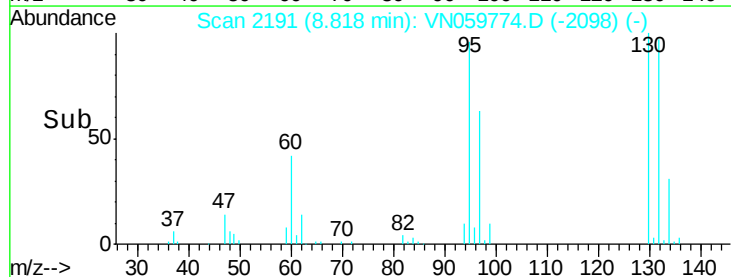
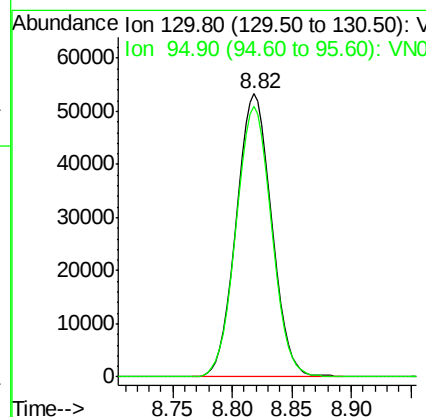
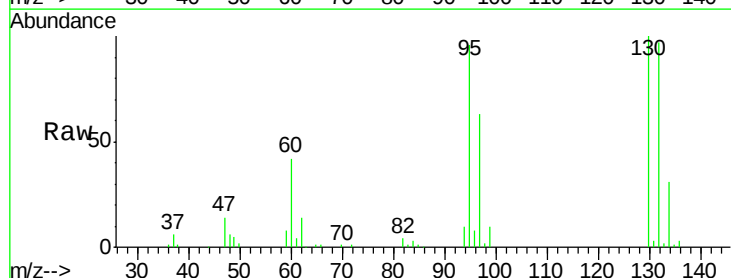
Manual Integrations
APPROVED

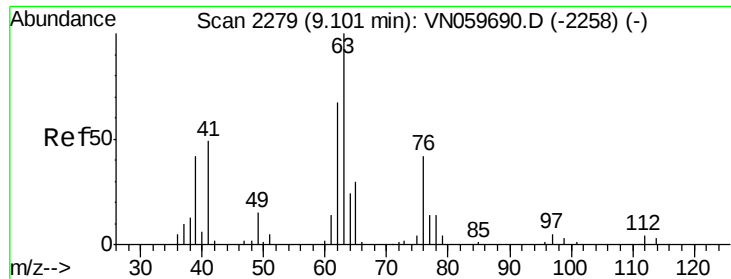
MMDadoda
1/20/2020 11:12:13 AM



#44
Trichloroethene
Concen: 55.089 ug/l
RT: 8.82 min Scan# 2191
Delta R.T. 0.00 min
Lab File: VN059774.D
Acq: 17 Jan 2020 20:26

Tgt Ion	Ratio	Lower	Upper
130	100		
95	95.5	0.0	207.0





#45

1,2-Dichloropropane

Concen: 52.851 ug/l

RT: 9.10 min Scan# 2279

Delta R.T. 0.00 min

Lab File: VN059774.D

Acq: 17 Jan 2020 20:26

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050EC

Tot Ion: 63 Resp: 95487

Ion Ratio Lower Upper

63 100

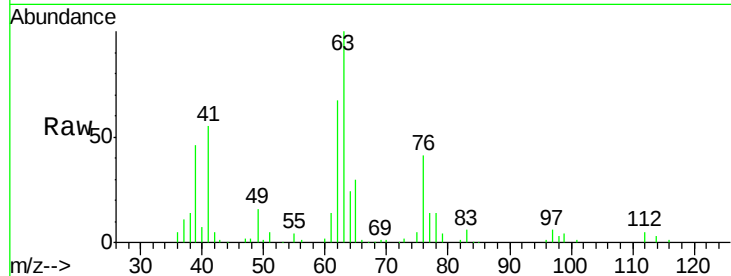
65 29.7 24.9 37.3

Manual Integrations

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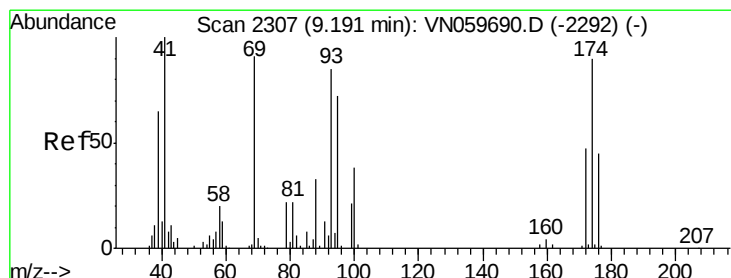
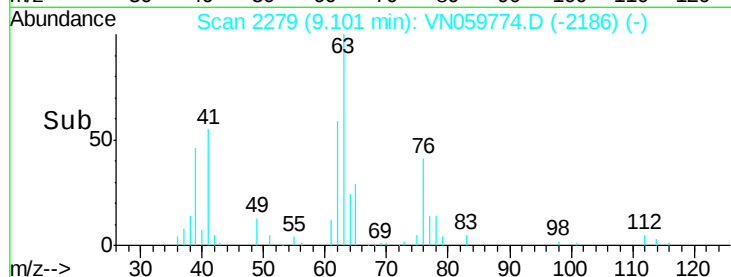
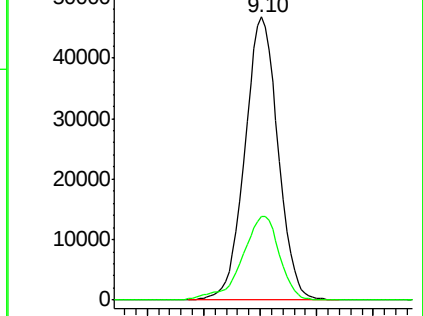
MMDadoda

1/20/2020 11:12:13 AM



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 54.870 ug/l

RT: 9.19 min Scan# 2307

Delta R.T. 0.00 min

Lab File: VN059774.D

Acq: 17 Jan 2020 20:26

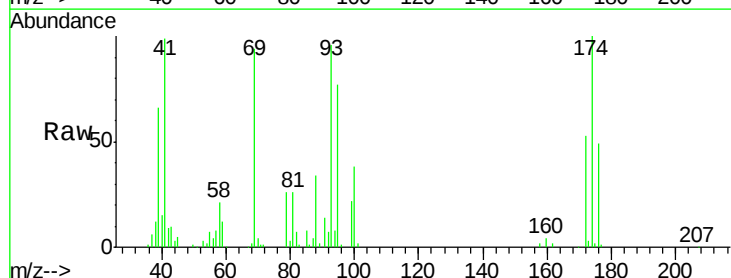
Tgt Ion: 93 Resp: 69931

Ion Ratio Lower Upper

93 100

95 82.3 67.0 100.6

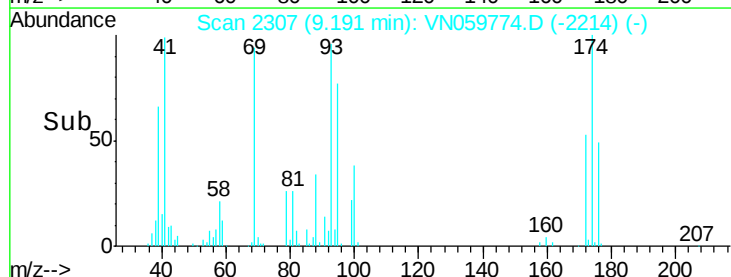
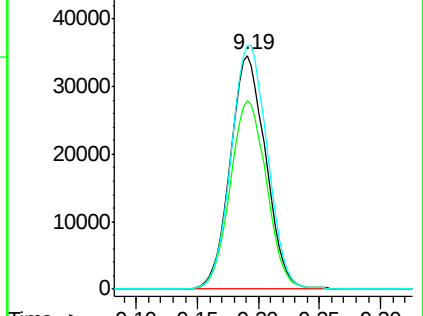
174 106.4 73.4 110.2

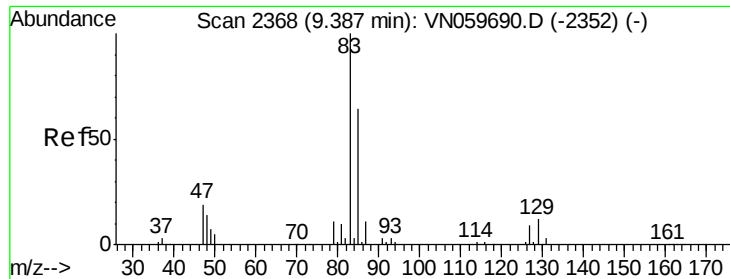


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





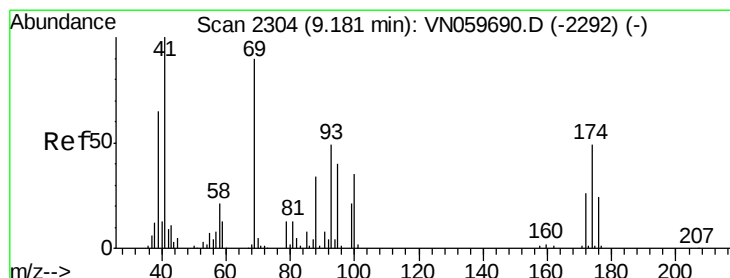
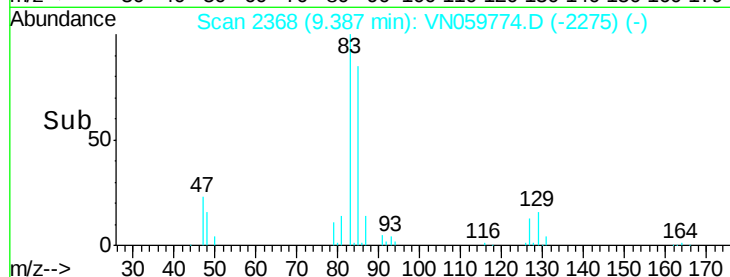
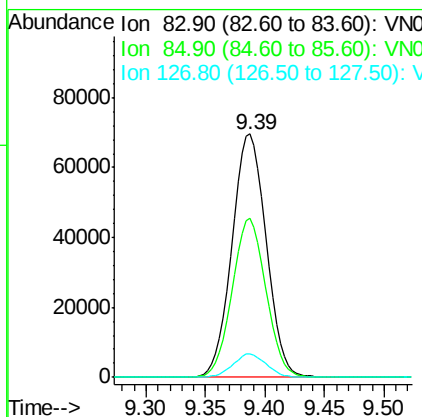
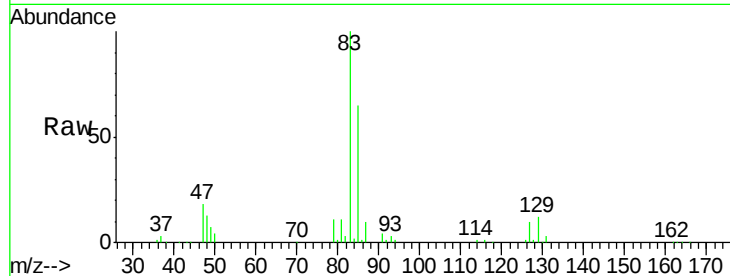
#47
Bromodichloromethane
Concen: 54.210 ug/l
RT: 9.39 min Scan# 2368
Delta R.T. 0.00 min
Lab File: VN059774.D
Acq: 17 Jan 2020 20:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
85	65.1	51.1	76.7
127	9.8	6.6	9.8

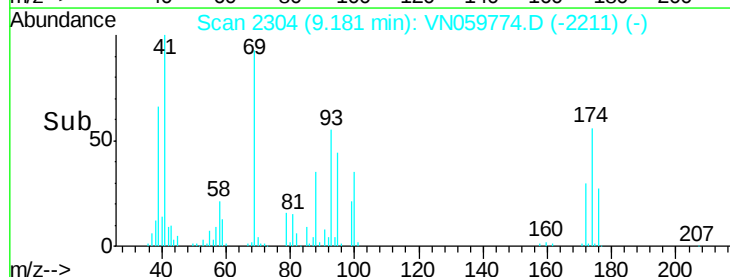
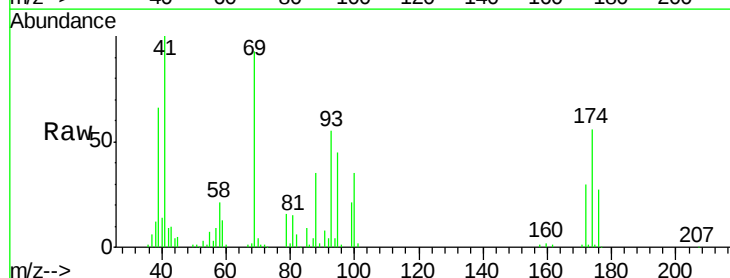
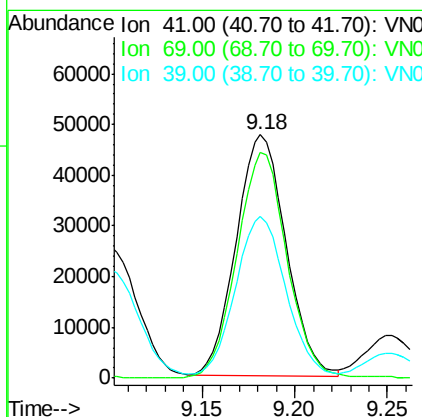
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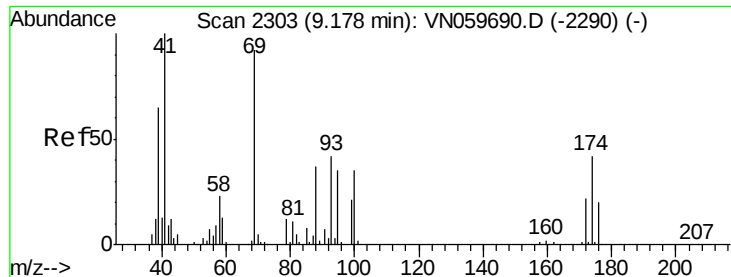
MMDadoda
1/20/2020 11:12:13 AM



#48
Methyl methacrylate
Concen: 50.368 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. 0.00 min
Lab File: VN059774.D
Acq: 17 Jan 2020 20:26

Tgt Ion	Ratio	Lower	Upper
41	100		
69	94.8	64.4	96.6
39	65.8	51.3	76.9





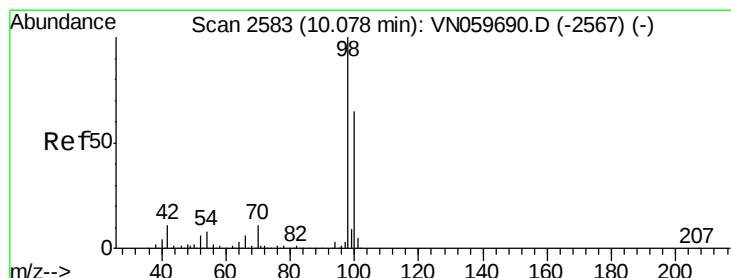
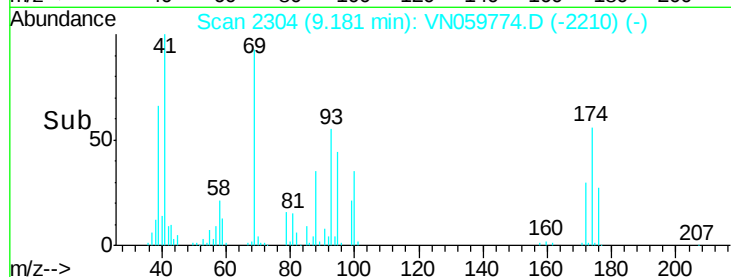
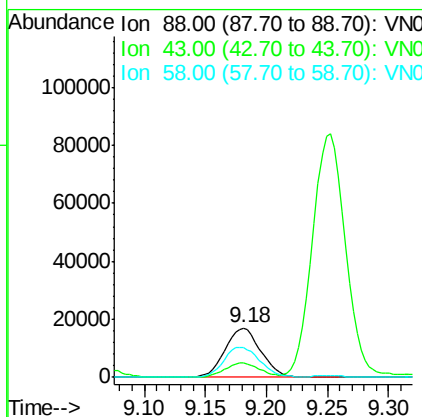
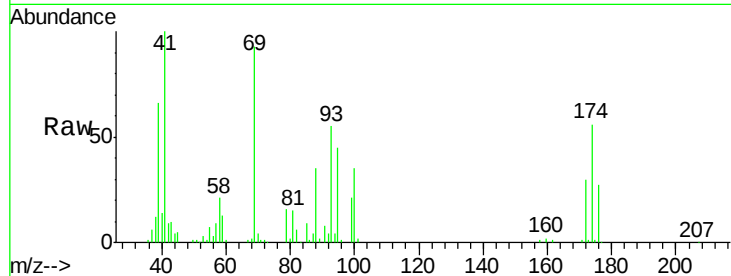
#49
1,4-Dioxane
Concen: 1077.447 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. 0.00 min
Lab File: VN059774.D
Acq: 17 Jan 2020 20:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	88	Resp	34845
Ion	Ratio	Lower	Upper
88	100		
43	29.4	29.7	44.5#
58	62.5	56.6	85.0

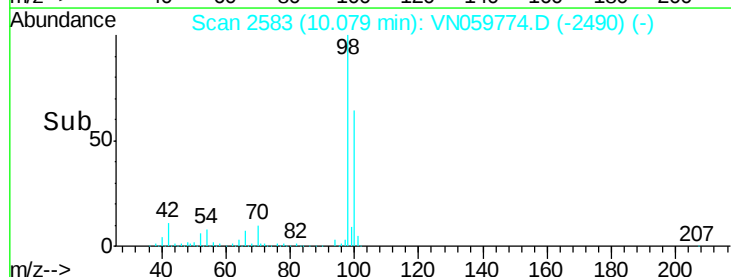
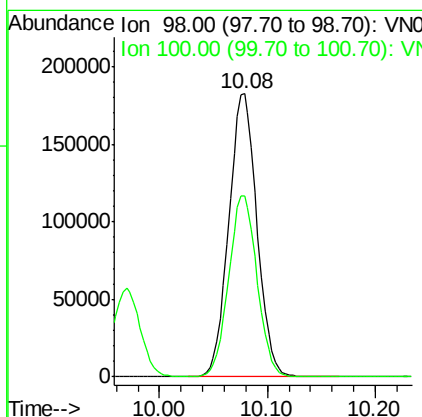
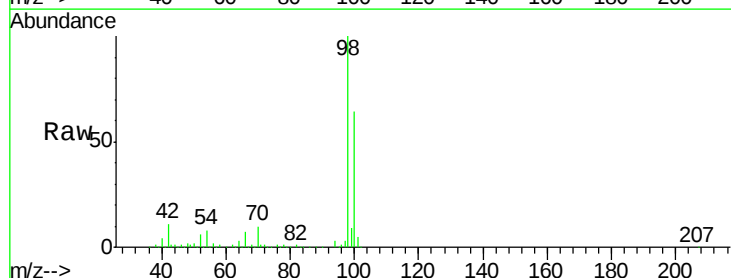
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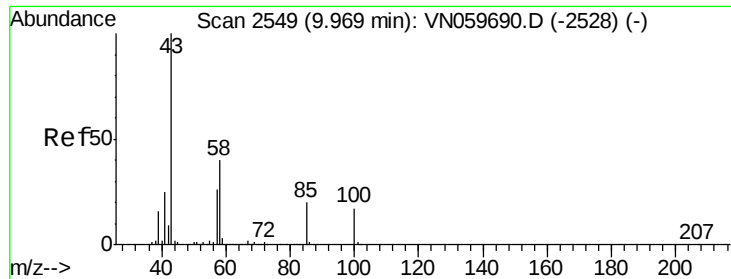
MMDadoda
1/20/2020 11:12:13 AM



#50
Toluene-d8
Concen: 51.131 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. 0.00 min
Lab File: VN059774.D
Acq: 17 Jan 2020 20:26

Tgt Ion	98	Resp	332128
Ion	Ratio	Lower	Upper
98	100		
100	64.5	51.2	76.8





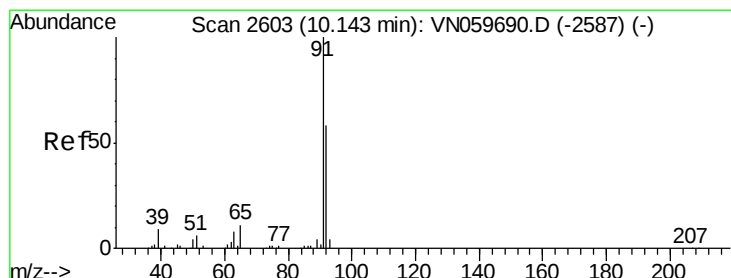
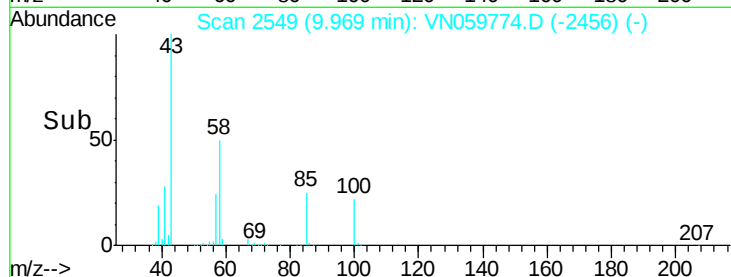
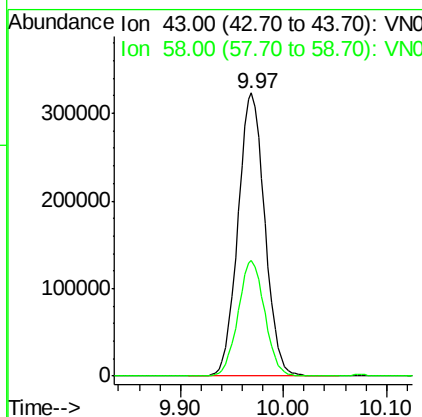
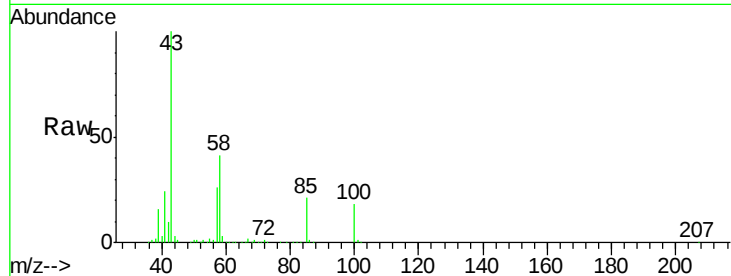
#51
4-Methyl-2-Pentanone
Concen: 255.771 ug/l
RT: 9.97 min Scan# 2549
Delta R.T. 0.00 min
Lab File: VN059774.D
Acq: 17 Jan 2020 20:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	43	Resp	583950
Ion Ratio	43	100	
Lower	58	40.7	29.8
Upper			44.8

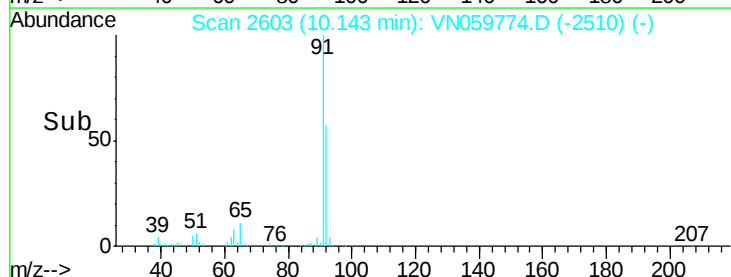
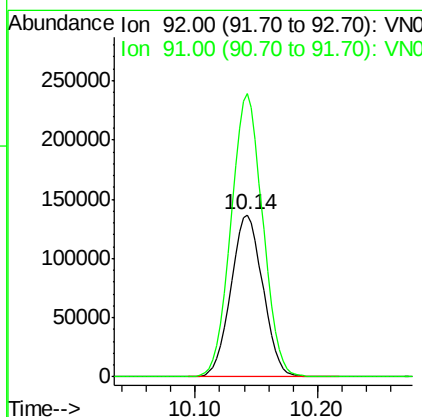
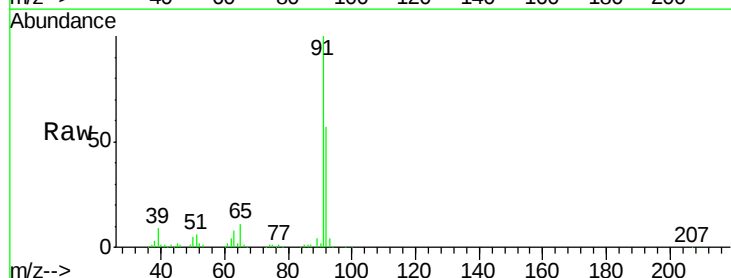
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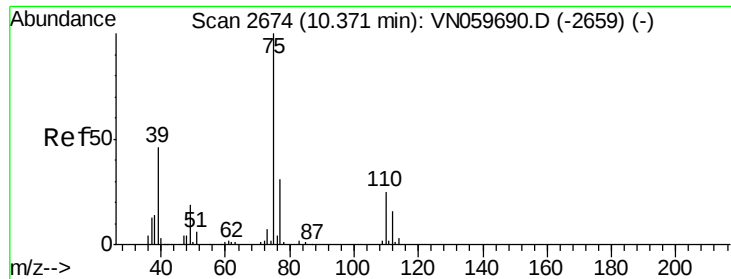
MMDadoda
1/20/2020 11:12:13 AM



#52
Toluene
Concen: 53.940 ug/l
RT: 10.14 min Scan# 2603
Delta R.T. 0.00 min
Lab File: VN059774.D
Acq: 17 Jan 2020 20:26

Tgt Ion	92	Resp	248763
Ion Ratio	92	100	
Lower	91	173.0	140.4
Upper			210.6





#53

t-1,3-Dichloropropene

Concen: 53.197 ug/l

RT: 10.37 min Scan# 2674

Delta R.T. 0.00 min

Lab File: VN059774.D

Acq: 17 Jan 2020 20:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 152554

Ion Ratio Lower Upper

75 100

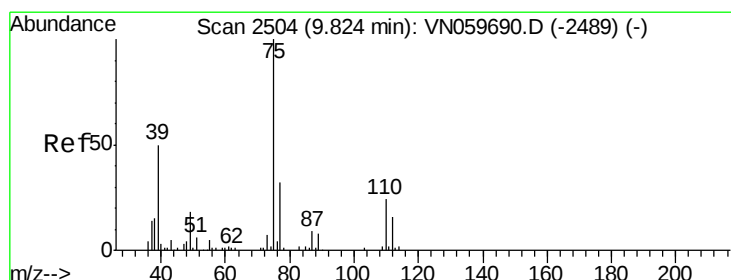
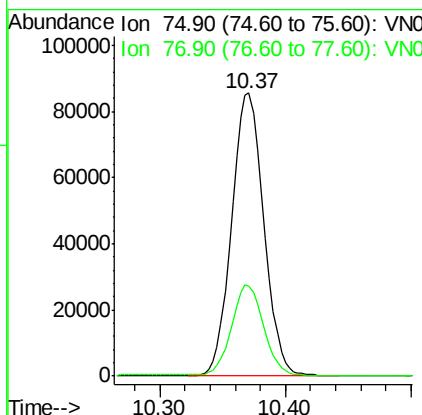
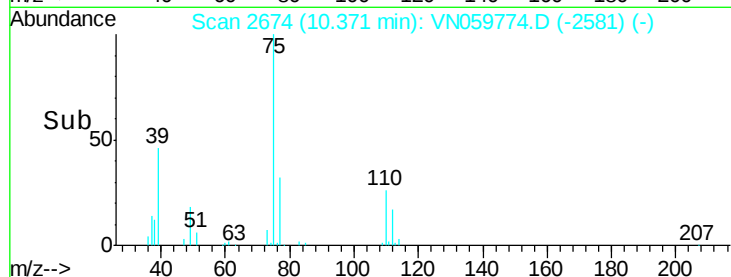
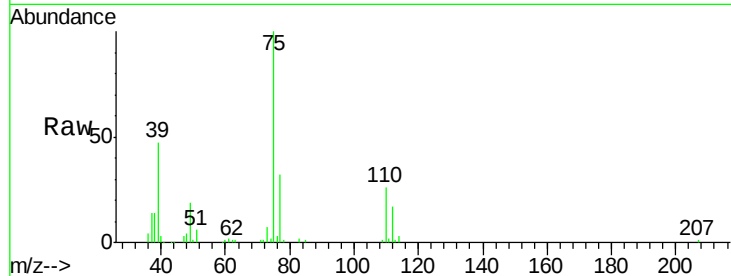
77 31.6 25.4 38.2

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#54

cis-1,3-Dichloropropene

Concen: 53.751 ug/l

RT: 9.82 min Scan# 2504

Delta R.T. 0.00 min

Lab File: VN059774.D

Acq: 17 Jan 2020 20:26

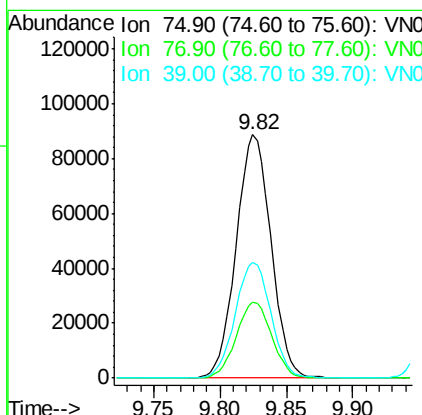
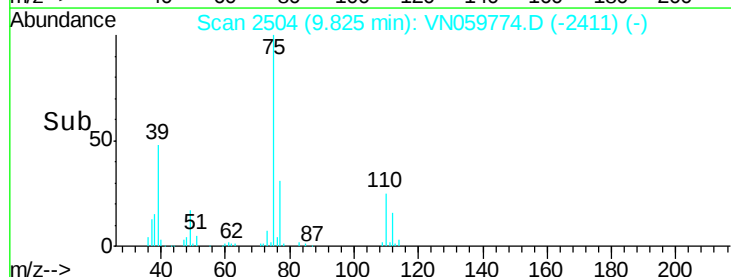
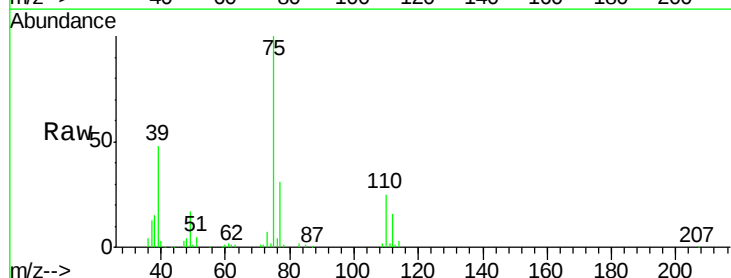
Tgt Ion: 75 Resp: 162185

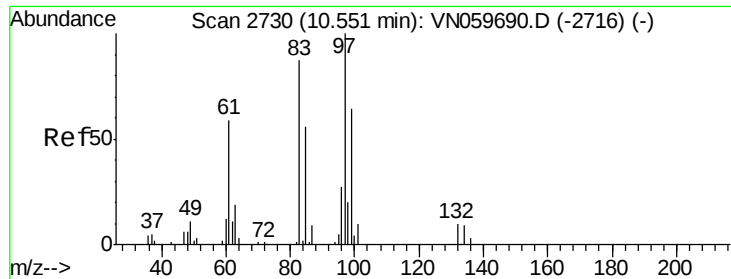
Ion Ratio Lower Upper

75 100

77 31.3 25.1 37.7

39 47.6 46.1 69.1





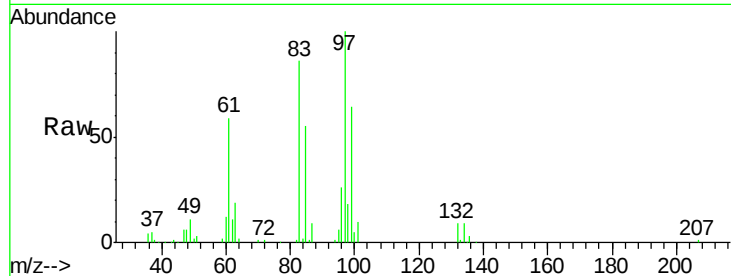
#55
 1,1,2-Trichloroethane
 Concen: 53.450 ug/l
 RT: 10.55 min Scan# 2730
 Delta R.T. 0.00 min
 Lab File: VN059774.D
 Acq: 17 Jan 2020 20:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	97630
Ion	Ratio	Lower	Upper
97	100		
83	86.3	71.3	106.9
85	55.1	45.8	68.8
99	64.1	50.0	75.0

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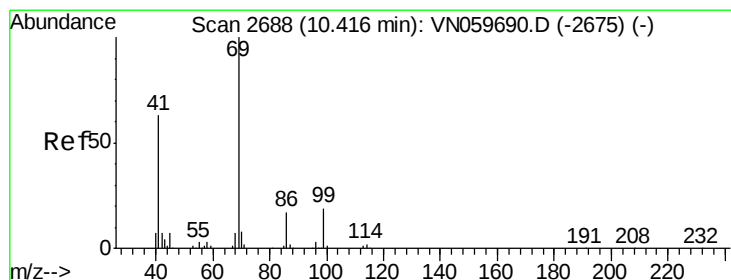
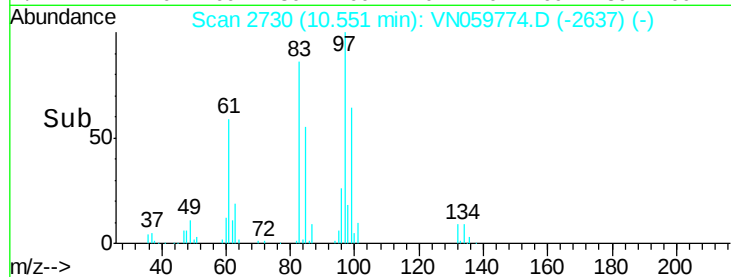
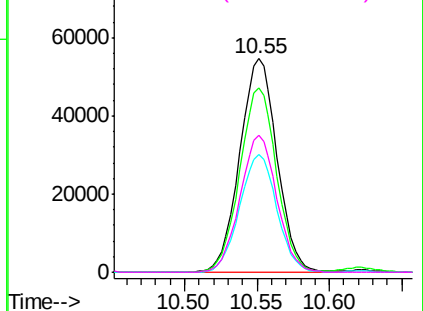
Abundance

Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

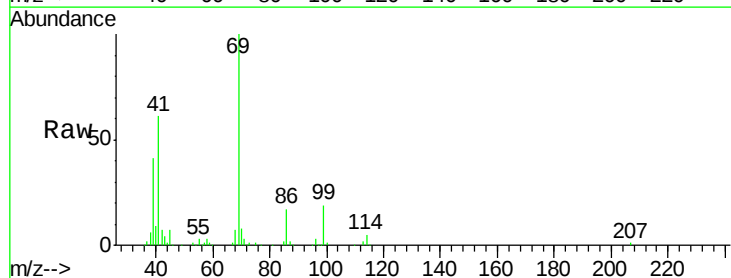
Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56
 Ethyl methacrylate
 Concen: 52.608 ug/l
 RT: 10.42 min Scan# 2688
 Delta R.T. 0.00 min
 Lab File: VN059774.D
 Acq: 17 Jan 2020 20:26

Tgt Ion:	69	Resp:	146831
Ion	Ratio	Lower	Upper
69	100		
41	61.3	57.1	85.7
39	40.5	34.7	52.1

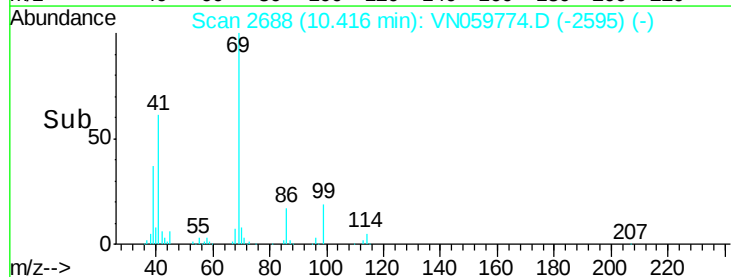
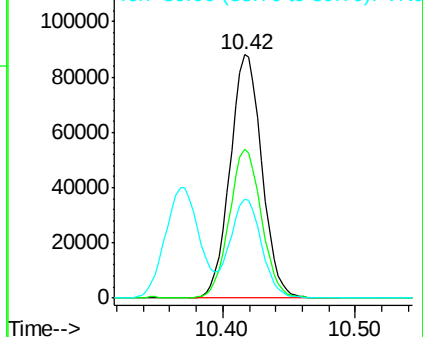


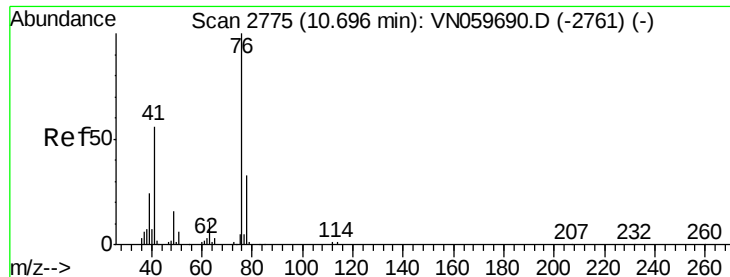
Abundance

Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 55.094 ug/l

RT: 10.70 min Scan# 2775

Delta R.T. 0.00 min

Lab File: VN059774.D

Acq: 17 Jan 2020 20:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 159768

Ion Ratio Lower Upper

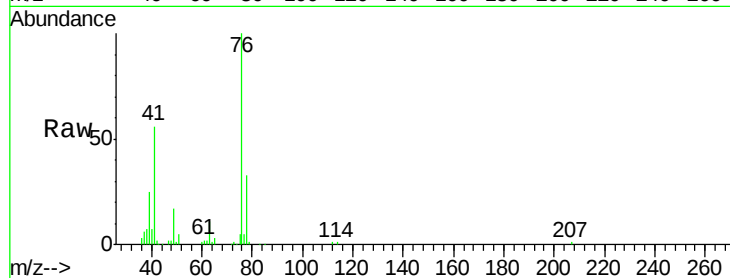
76 100

78 32.4 25.8 38.8

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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

10.70

80000

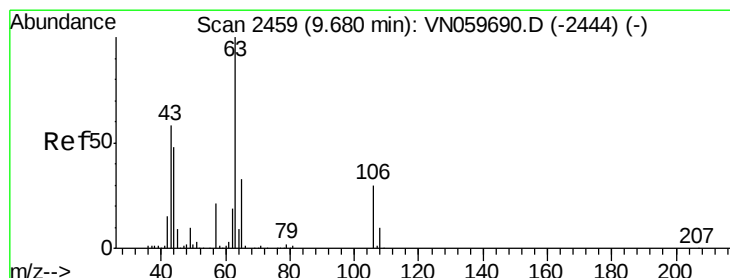
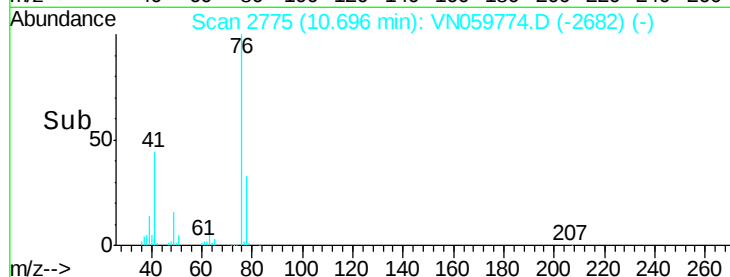
60000

40000

20000

0

Time--> 10.60 10.65 10.70 10.75



#58

2-Chloroethyl Vinyl ether

Concen: 288.269 ug/l

RT: 9.68 min Scan# 2459

Delta R.T. 0.00 min

Lab File: VN059774.D

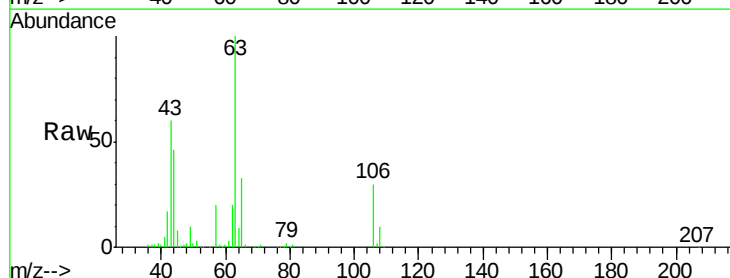
Acq: 17 Jan 2020 20:26

Tgt Ion: 63 Resp: 242336

Ion Ratio Lower Upper

63 100

106 30.0 20.2 30.2



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

9.68

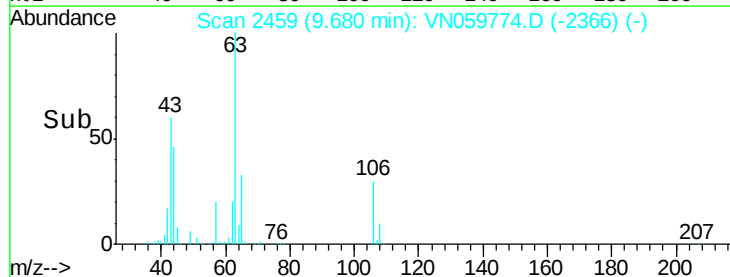
150000

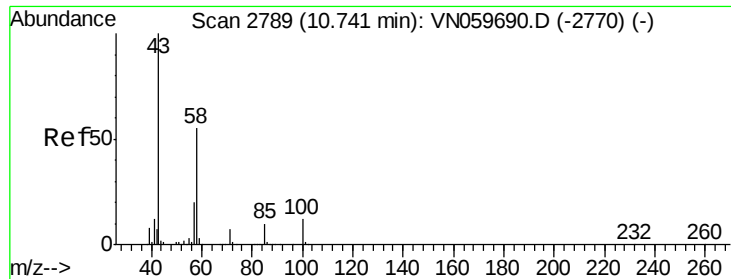
100000

50000

0

Time--> 9.60 9.70 9.80





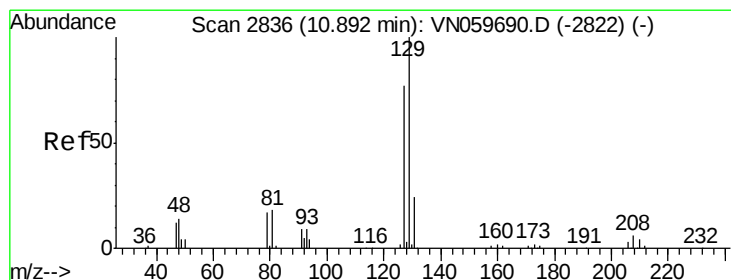
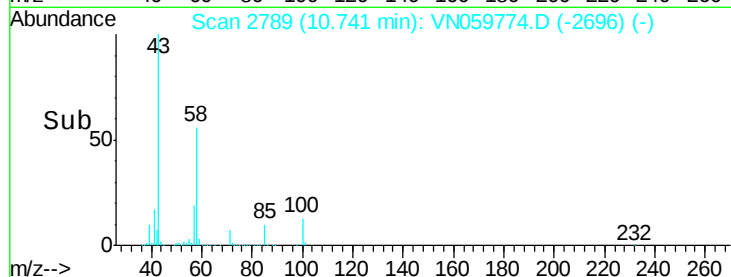
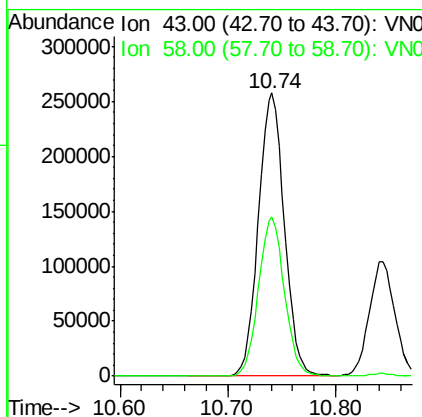
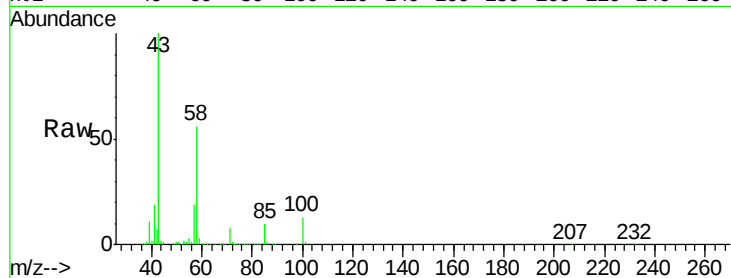
#59
2-Hexanone
Concen: 255.141 ug/l
RT: 10.74 min Scan# 2789
Delta R.T. 0.00 min
Lab File: VN059774.D
Acq: 17 Jan 2020 20:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 429139
Ion Ratio Lower Upper
43 100
58 56.0 25.8 77.3

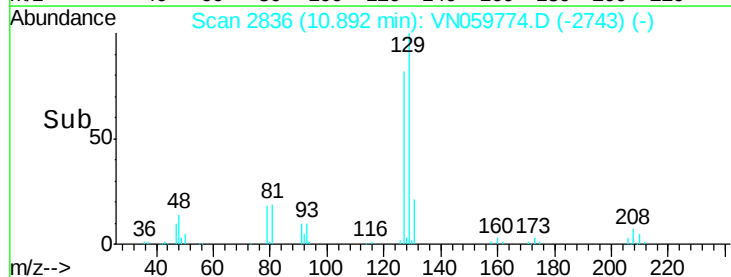
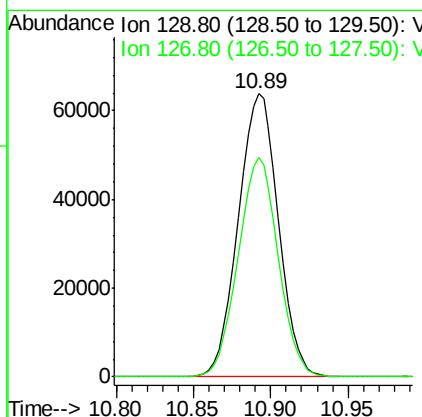
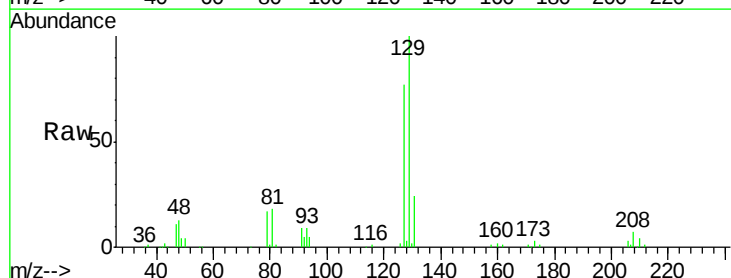
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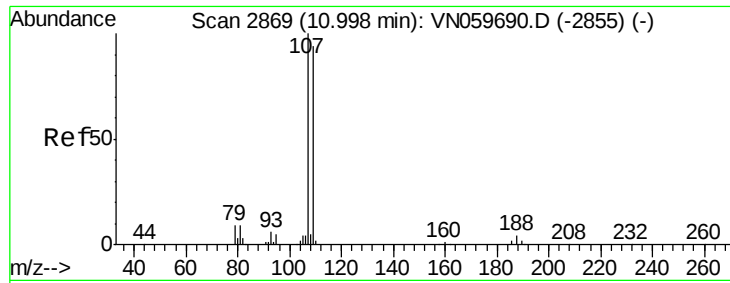
MMDadoda
1/20/2020 11:12:13 AM



#60
Dibromochloromethane
Concen: 55.344 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. 0.00 min
Lab File: VN059774.D
Acq: 17 Jan 2020 20:26

Tgt Ion: 129 Resp: 115118
Ion Ratio Lower Upper
129 100
127 77.3 38.5 115.5





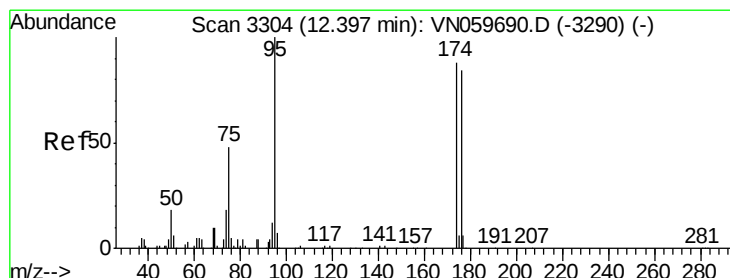
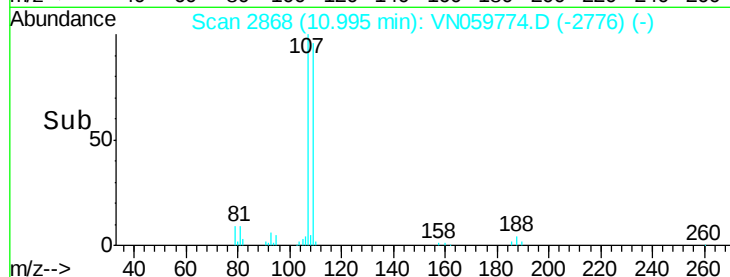
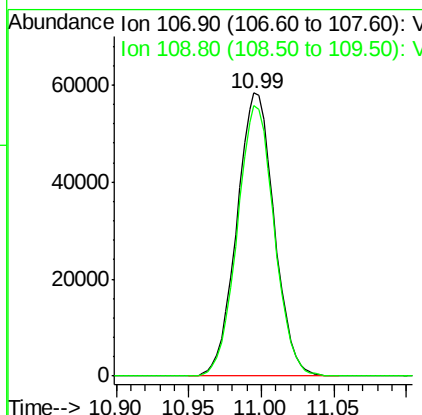
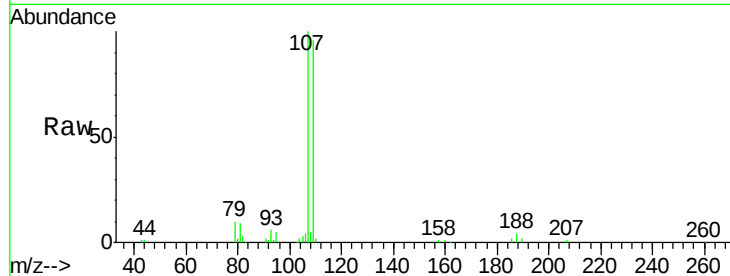
#61
 1,2-Dibromoethane
 Concen: 54.596 ug/l
 RT: 10.99 min Scan# 2868
 Delta R.T. -0.00 min
 Lab File: VN059774.D
 Acq: 17 Jan 2020 20:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.4	76.6	115.0

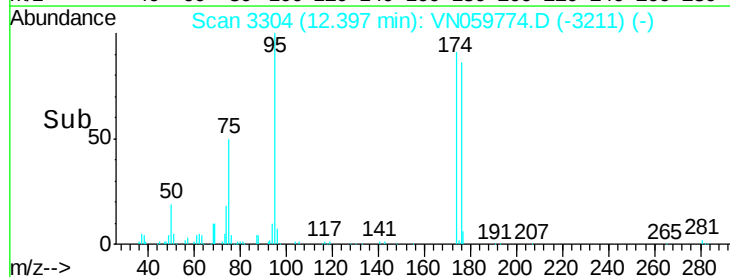
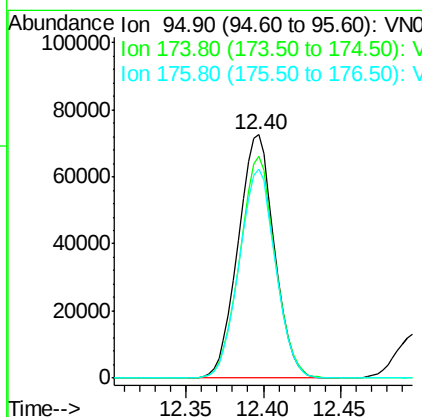
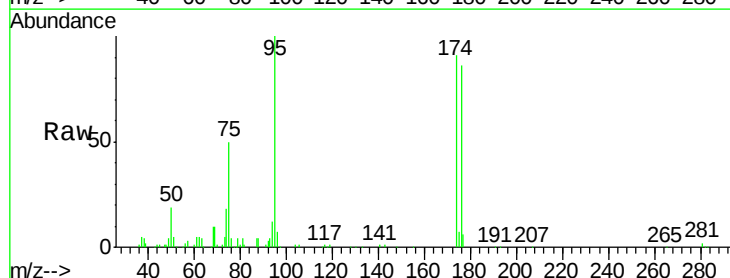
Manual Integrations
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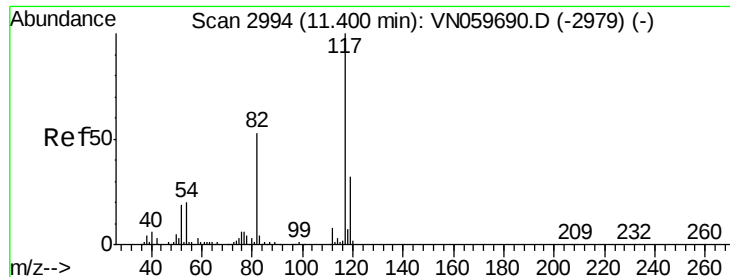
MMDadoda
 1/20/2020 11:12:13 AM



#62
 4-Bromofluorobenzene
 Concen: 50.597 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. 0.00 min
 Lab File: VN059774.D
 Acq: 17 Jan 2020 20:26

Tgt Ion	Ratio	Lower	Upper
95	100		
174	89.2	0.0	151.4
176	85.8	0.0	146.0





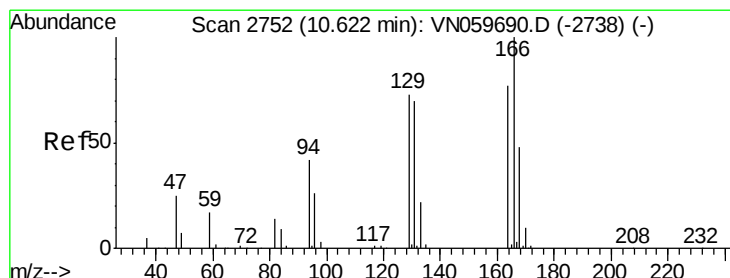
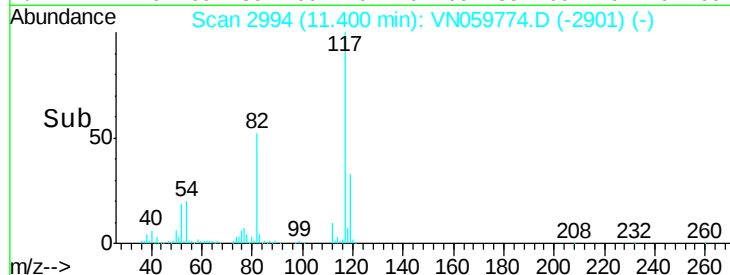
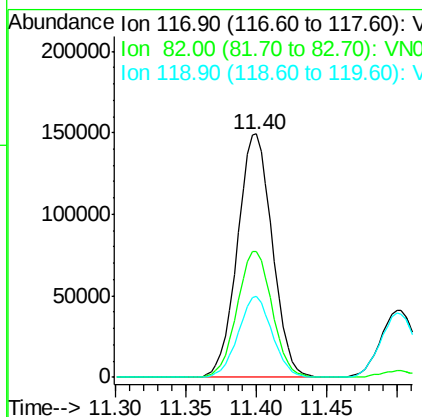
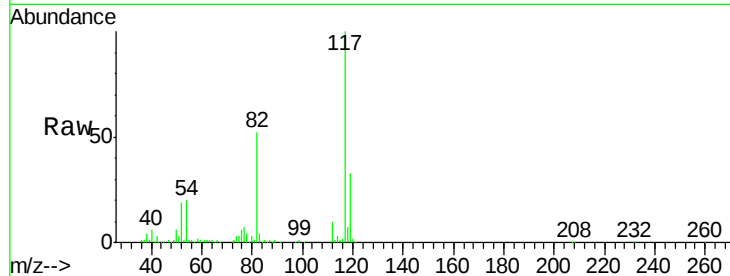
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN059774.D
Acq: 17 Jan 2020 20:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
117	100	258496		
82	51.8	45.9	68.9	
119	33.1	25.5	38.3	

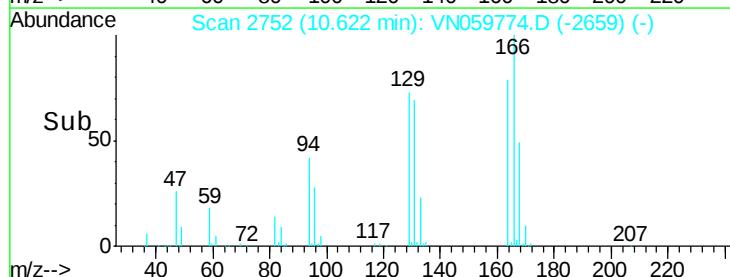
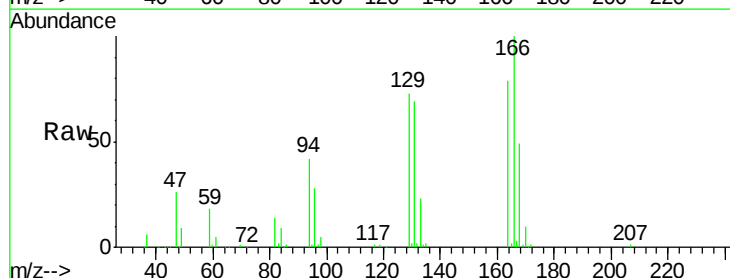
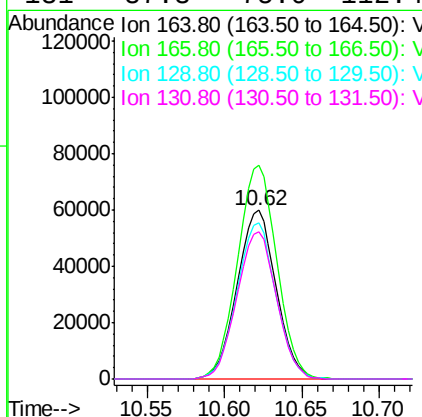
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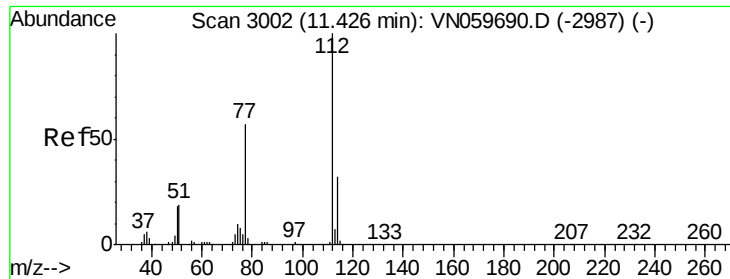
MMDadoda
1/20/2020 11:12:13 AM



#64
Tetrachloroethene
Concen: 49.642 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. 0.00 min
Lab File: VN059774.D
Acq: 17 Jan 2020 20:26

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	104585		
166	126.5	101.4	152.0	
129	92.5	80.2	120.4	
131	87.3	75.0	112.4	





#65

Chlorobenzene

Concen: 53.002 ug/l

RT: 11.43 min Scan# 3002

Delta R.T. 0.00 min

Lab File: VN059774.D

Acq: 17 Jan 2020 20:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:112 Resp: 269297

Ion Ratio Lower Upper

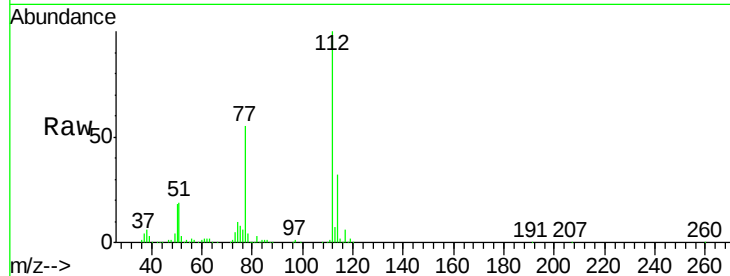
112 100

114 32.2 25.8 38.8

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

11.43

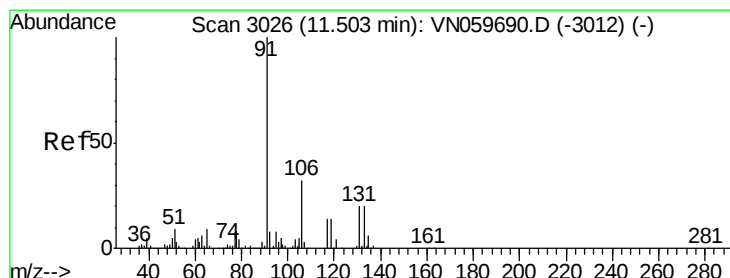
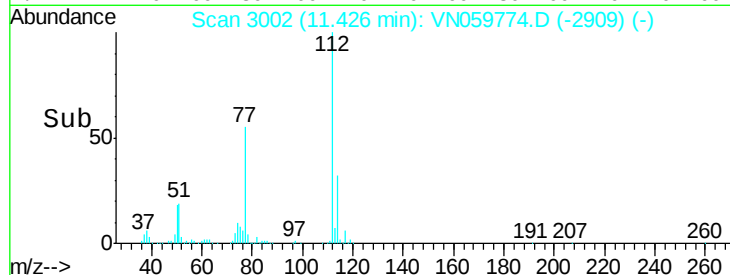
150000

100000

50000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 53.955 ug/l

RT: 11.50 min Scan# 3025

Delta R.T. -0.00 min

Lab File: VN059774.D

Acq: 17 Jan 2020 20:26

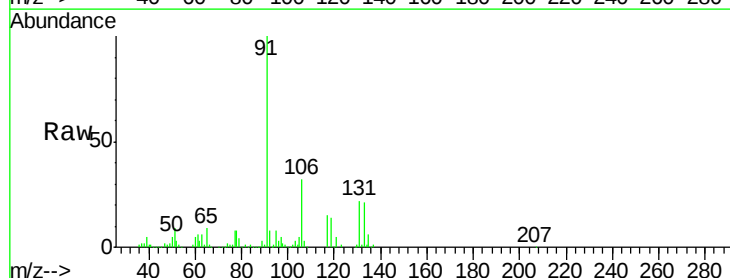
Tgt Ion:131 Resp: 105925

Ion Ratio Lower Upper

131 100

133 95.7 47.4 142.2

119 65.1 33.1 99.3



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

11.50

80000

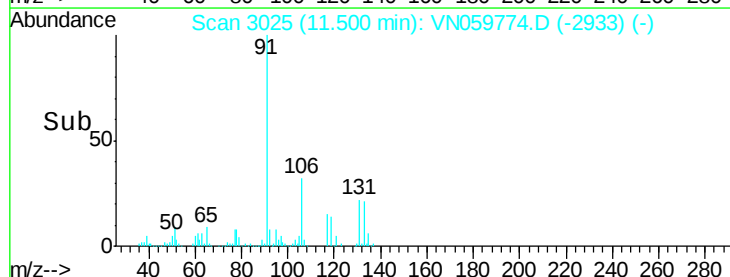
60000

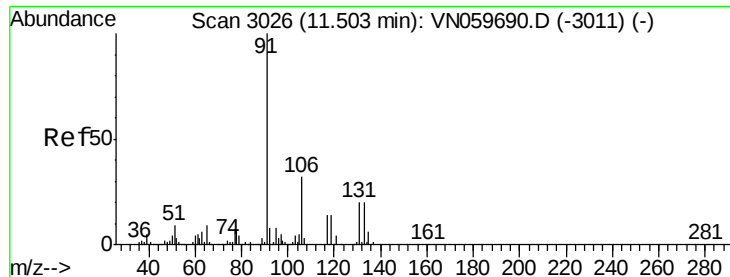
40000

20000

0

Time-->





#67

Ethyl Benzene

Concen: 52.199 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. 0.00 min

Lab File: VN059774.D

Acq: 17 Jan 2020 20:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 481450

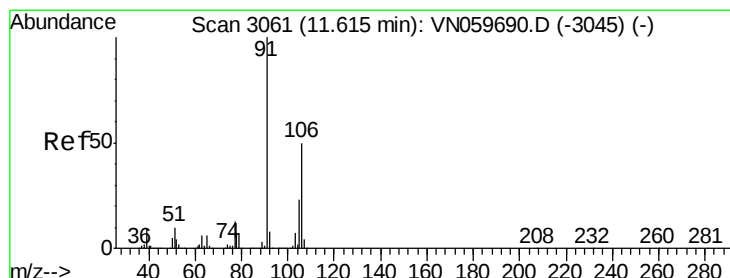
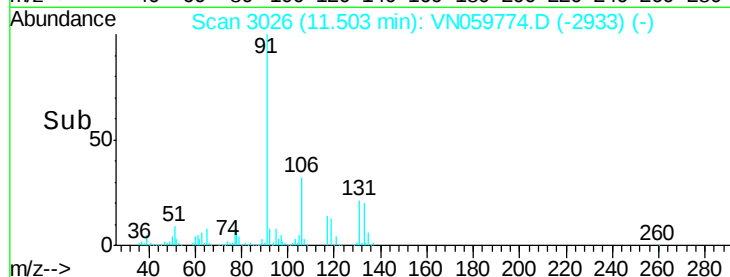
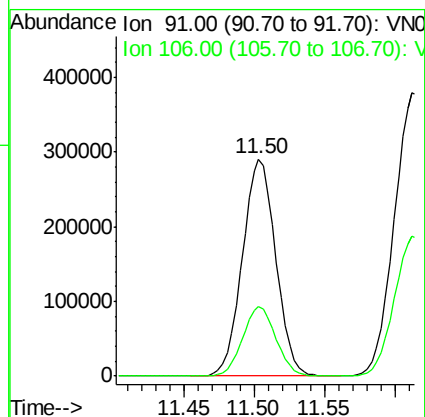
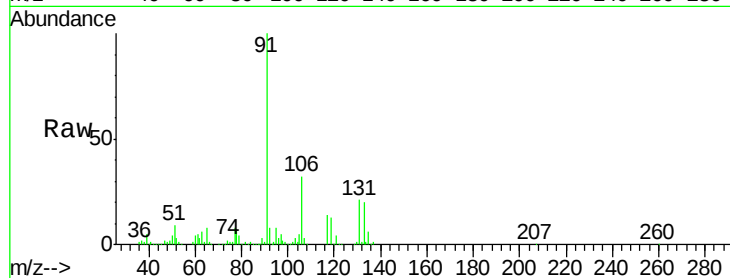
Ion Ratio Lower Upper

91 100

106 31.8 24.1 36.1

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#68

m/p-Xylenes

Concen: 104.478 ug/l

RT: 11.61 min Scan# 3060

Delta R.T. -0.00 min

Lab File: VN059774.D

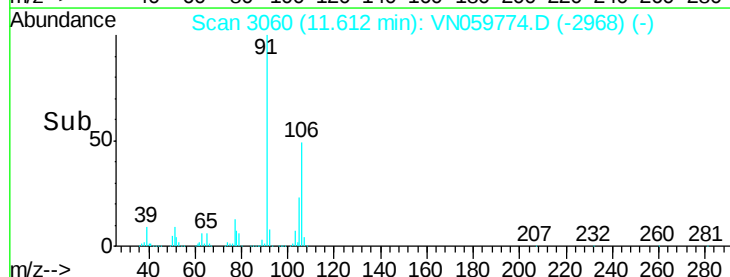
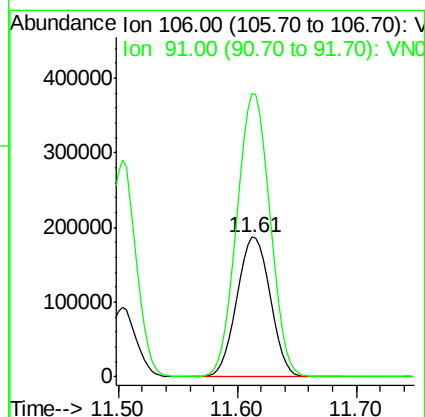
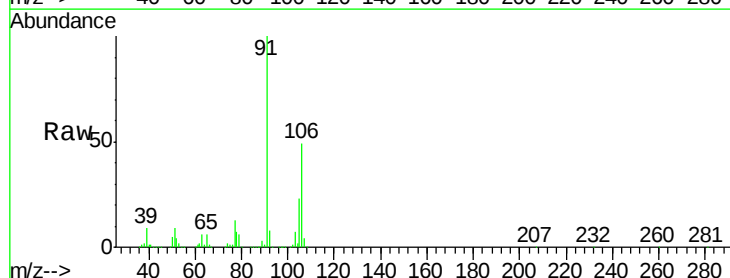
Acq: 17 Jan 2020 20:26

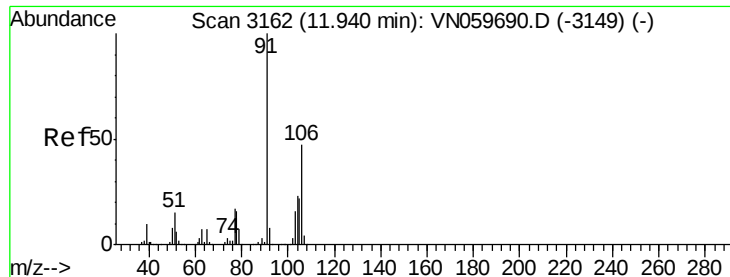
Tgt Ion: 106 Resp: 364003

Ion Ratio Lower Upper

106 100

91 202.0 167.9 251.9





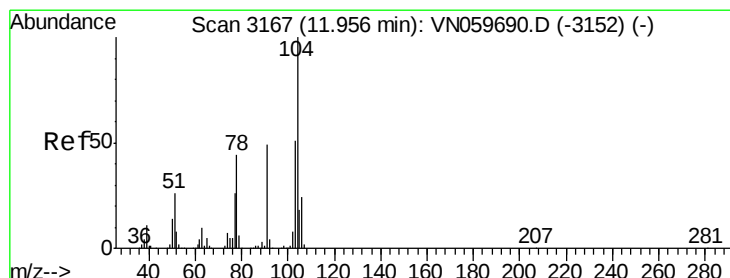
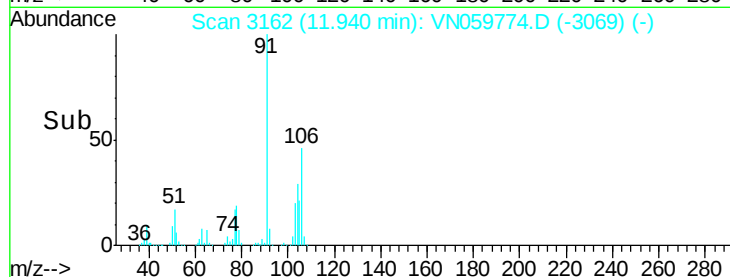
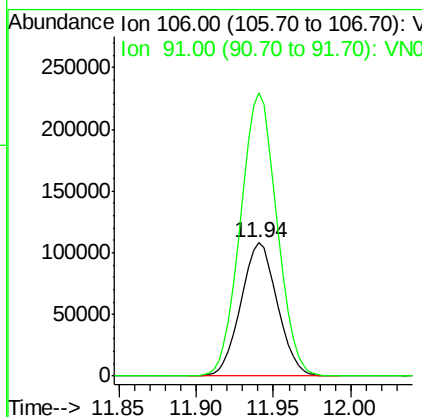
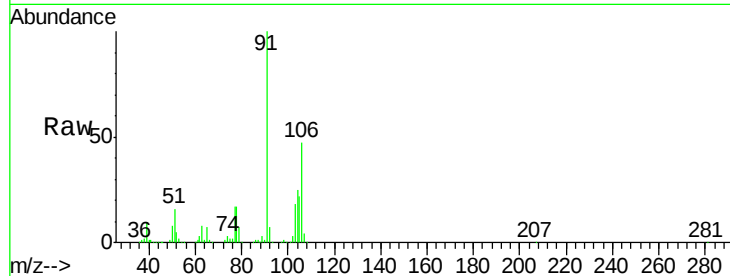
#69
o-Xylene
Concen: 52.084 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. 0.00 min
Lab File: VN059774.D
Acq: 17 Jan 2020 20:26

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050EC

Tot Ion:106 Resp: 177652
Ion Ratio Lower Upper
106 100
91 211.9 110.3 330.9

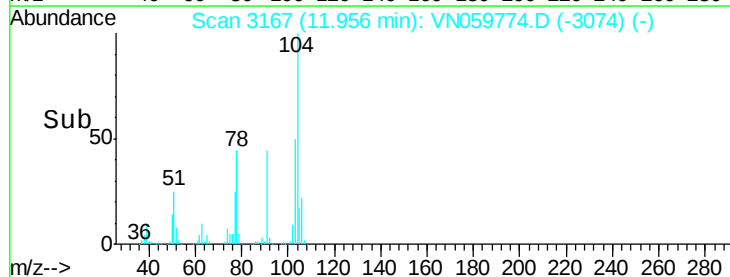
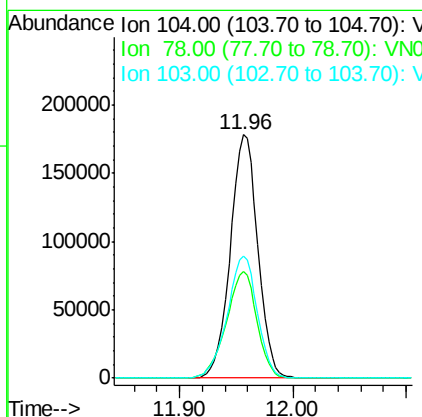
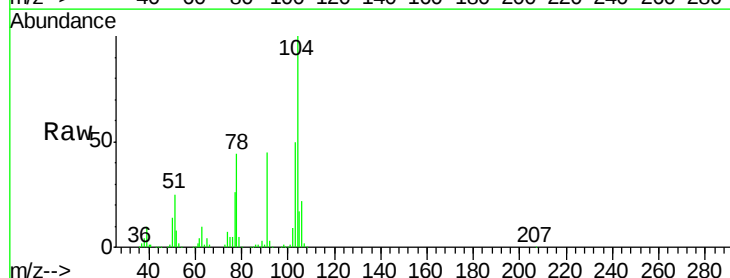
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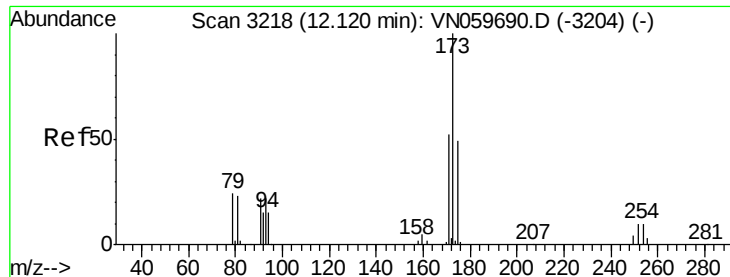
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#70
Styrene
Concen: 52.782 ug/l
RT: 11.96 min Scan# 3167
Delta R.T. 0.00 min
Lab File: VN059774.D
Acq: 17 Jan 2020 20:26

Tgt Ion:104 Resp: 301261
Ion Ratio Lower Upper
104 100
78 48.4 42.4 63.6
103 54.7 43.9 65.9





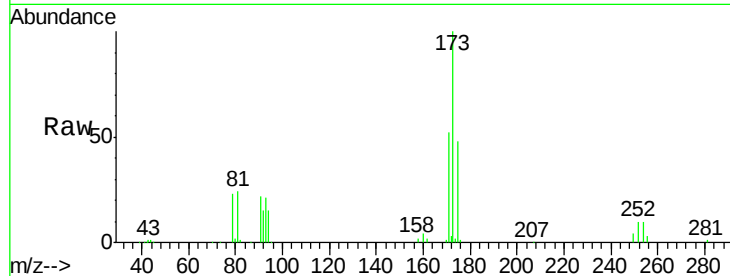
#71
Bromoform
Concen: 54.577 ug/l
RT: 12.12 min Scan# 3218
Delta R.T. 0.00 min
Lab File: VN059774.D
Acq: 17 Jan 2020 20:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

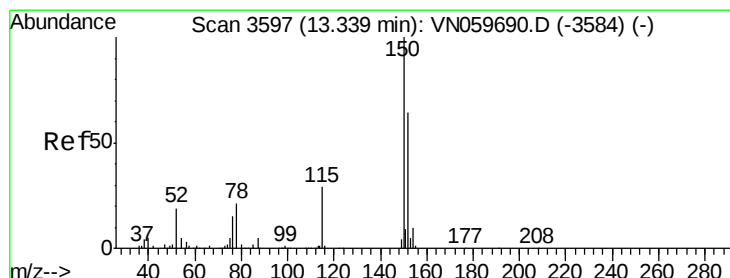
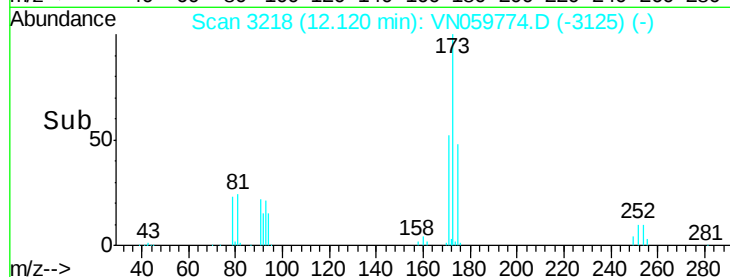
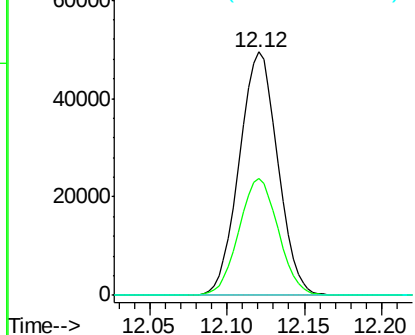
Tot Ion	Ratio	Lower	Upper
173	100		
175	49.1	23.8	71.4
254	0.0	0.0	0.0

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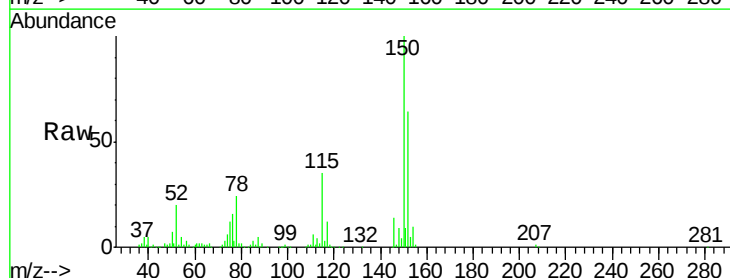


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

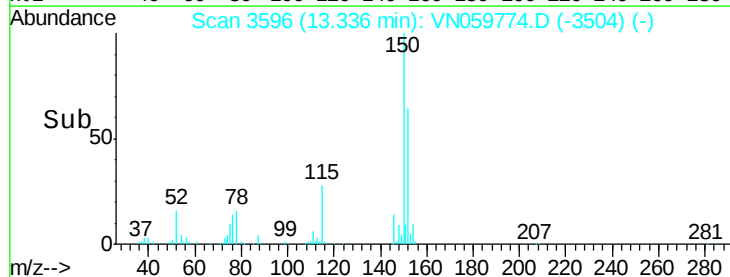
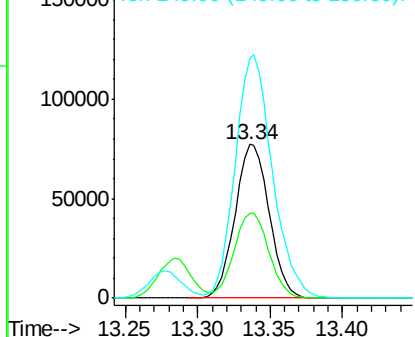


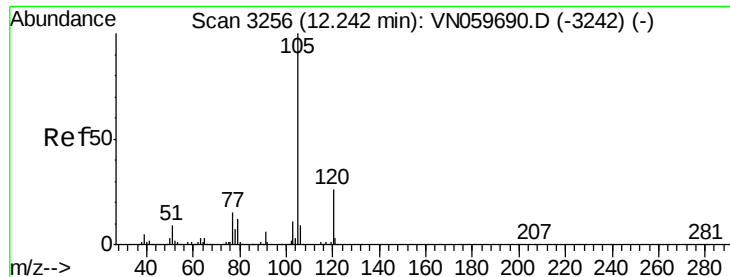
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3596
Delta R.T. -0.00 min
Lab File: VN059774.D
Acq: 17 Jan 2020 20:26

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.7	30.3	90.9
150	173.3	0.0	345.2



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





#73

Isopropylbenzene

Concen: 51.799 ug/l

RT: 12.24 min Scan# 3256

Delta R.T. 0.00 min

Lab File: VN059774.D

Acq: 17 Jan 2020 20:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 105 Resp: 479301

Ion Ratio Lower Upper

105 100

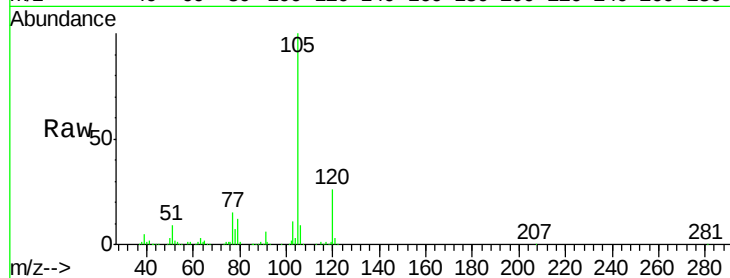
120 26.5 13.2 39.5

Manual Integrations

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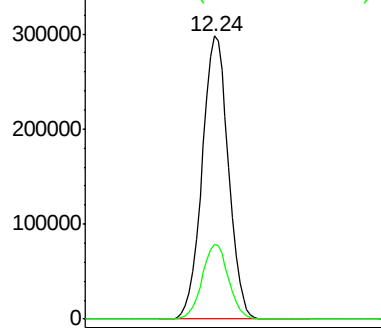
MMDadoda

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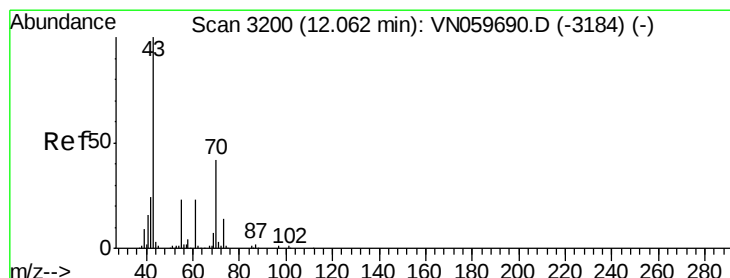
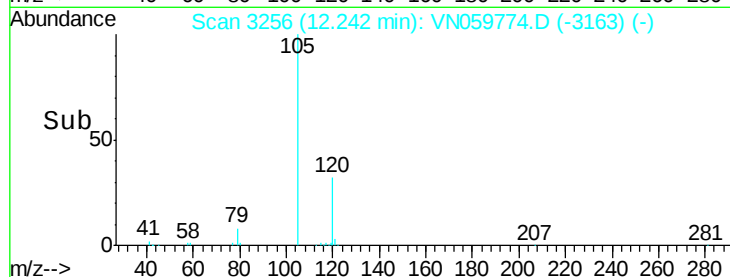


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



Time-->



#74

N-ethyl acetate

Concen: 48.692 ug/l

RT: 12.06 min Scan# 3200

Delta R.T. 0.00 min

Lab File: VN059774.D

Acq: 17 Jan 2020 20:26

Tgt Ion: 43 Resp: 174827

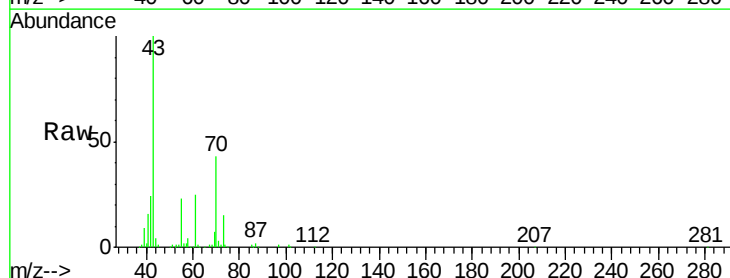
Ion Ratio Lower Upper

43 100

70 44.1 31.3 46.9

55 23.5 19.8 29.6

61 25.1 18.3 27.5

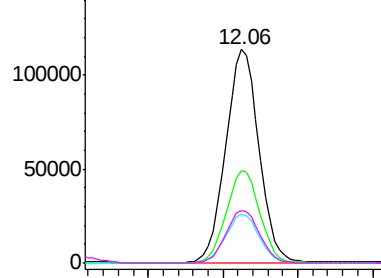


Abundance Ion 43.00 (42.70 to 43.70): V

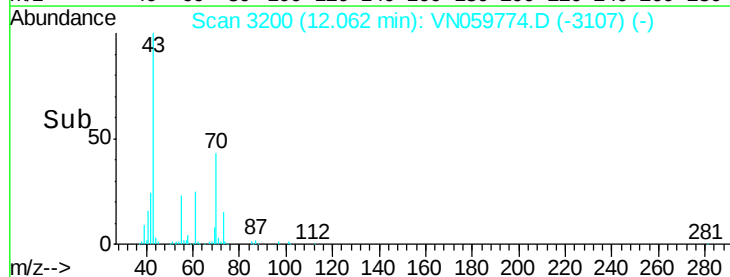
Ion 70.00 (69.70 to 70.70): V

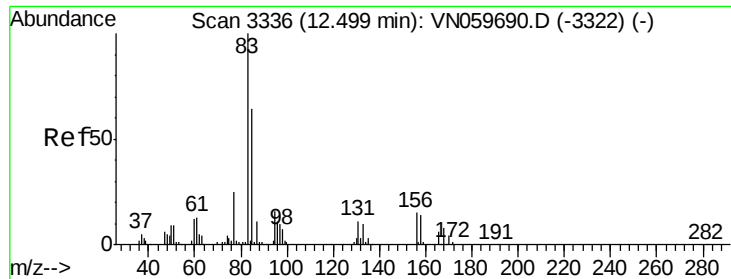
Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V



Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 51.706 ug/l

RT: 12.50 min Scan# 3335

Delta R.T. -0.00 min

Lab File: VN059774.D

Acq: 17 Jan 2020 20:26

Instrument :

MSVOA_N

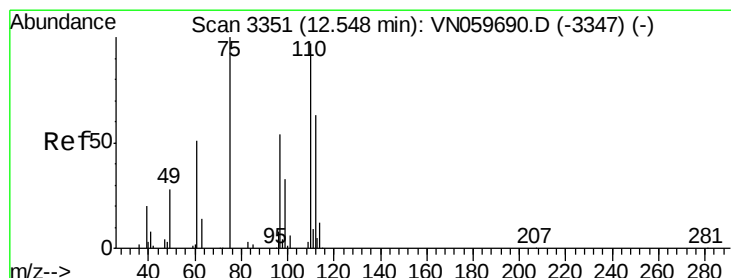
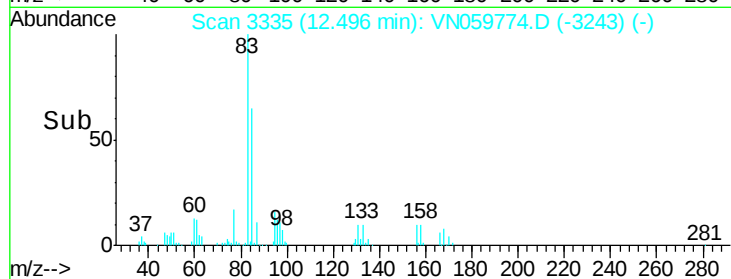
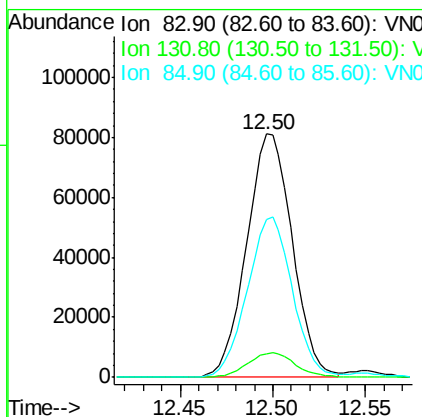
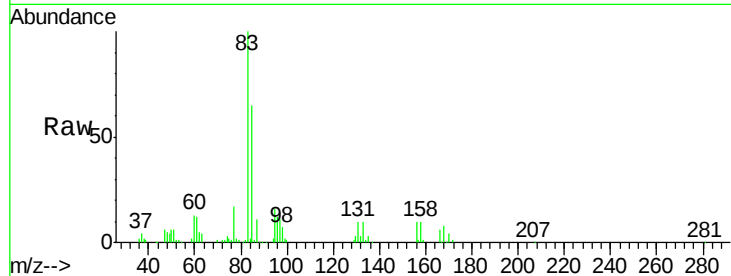
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	138699
Ion Ratio	Lower	Upper	
83	100		
131	10.5	5.0	14.9
85	64.9	31.9	95.5

Manual Integrations
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MMDadoda
1/20/2020 11:12:13 AM



#76

1,2,3-Trichloropropane

Concen: 56.458 ug/l m

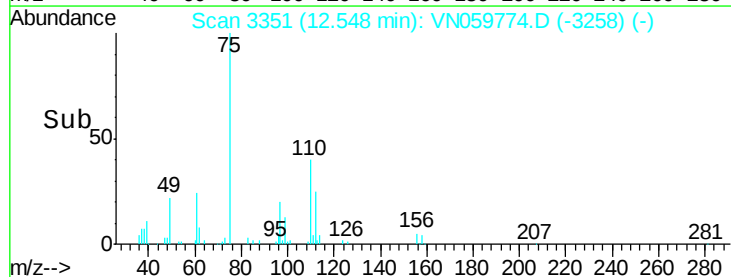
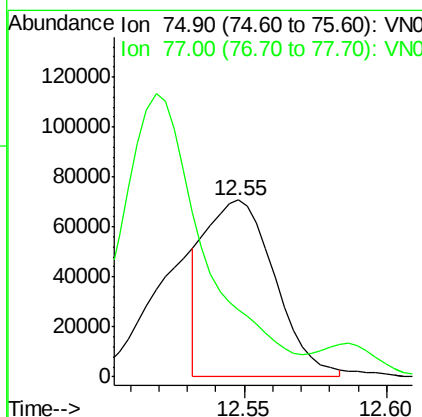
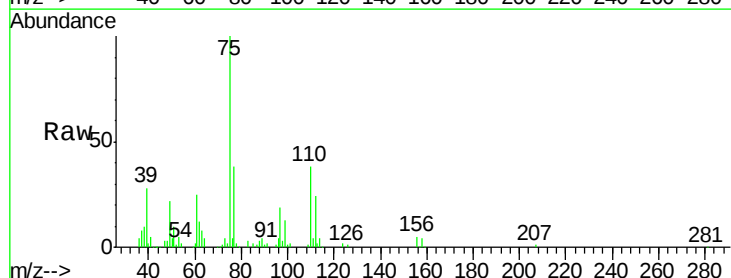
RT: 12.55 min Scan# 3351

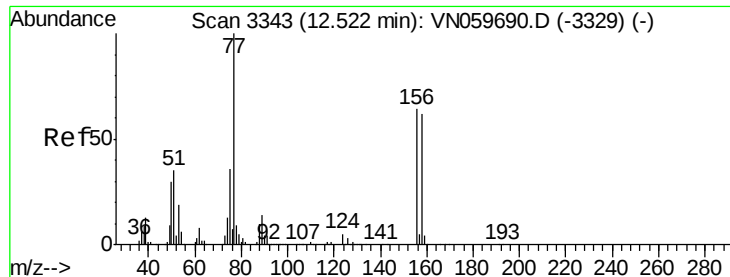
Delta R.T. 0.00 min

Lab File: VN059774.D

Acq: 17 Jan 2020 20:26

Tgt Ion:	75	Resp:	119875
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 52.643 ug/l

RT: 12.52 min Scan# 3342

Delta R.T. -0.00 min

Lab File: VN059774.D

Acq: 17 Jan 2020 20:26

Instrument :

MSVOA_N

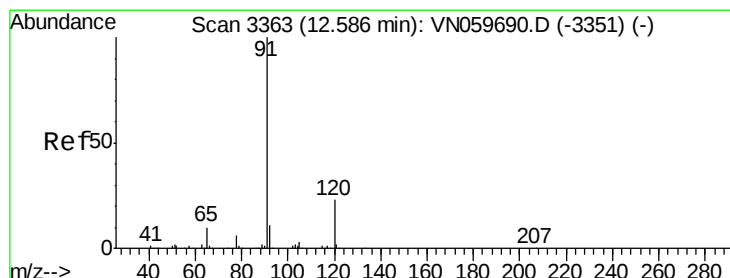
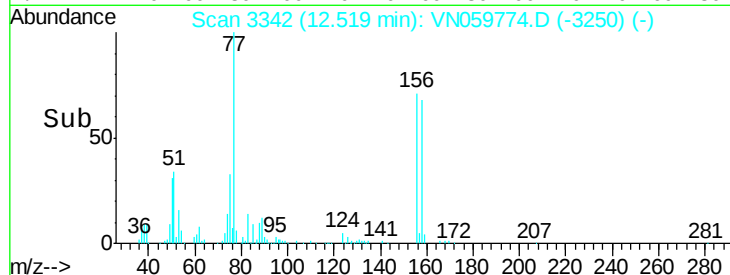
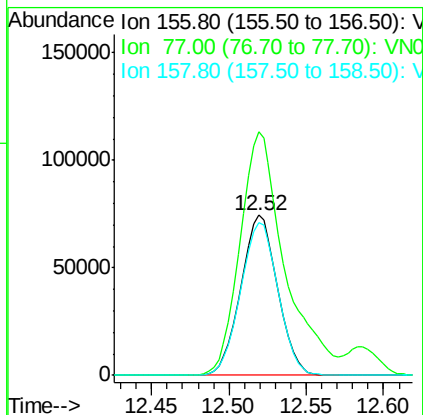
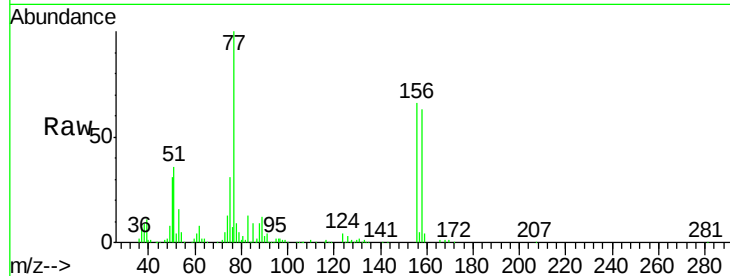
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	123355
Ion Ratio	Lower	Upper	
156	100		
77	185.3	115.8	347.4
158	97.0	49.2	147.6

Manual Integrations
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1/20/2020 11:12:13 AM



#78

n-propylbenzene

Concen: 51.199 ug/l

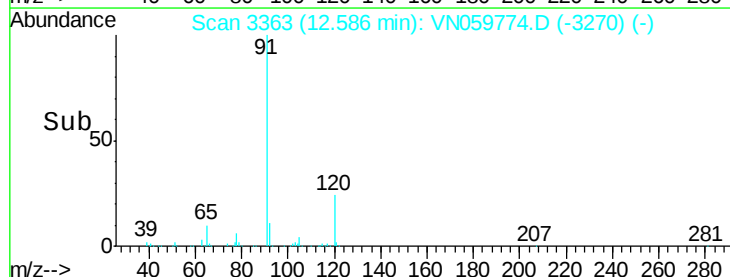
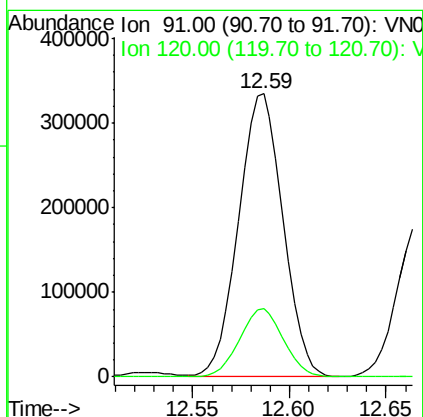
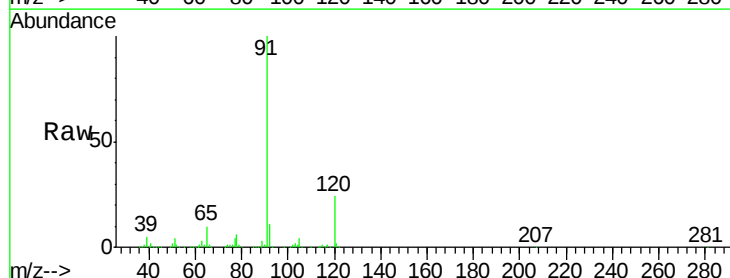
RT: 12.59 min Scan# 3363

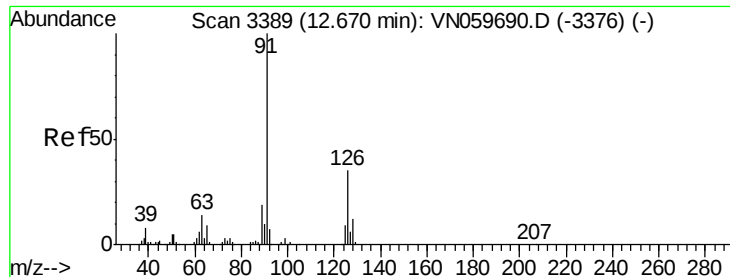
Delta R.T. 0.00 min

Lab File: VN059774.D

Acq: 17 Jan 2020 20:26

Tgt Ion:	91	Resp:	531728
Ion Ratio	Lower	Upper	
91	100		
120	24.0	11.1	33.3





#79

2-Chlorotoluene

Concen: 50.461 ug/l

RT: 12.67 min Scan# 3388

Delta R.T. -0.00 min

Lab File: VN059774.D

Acq: 17 Jan 2020 20:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 311765

Ion Ratio Lower Upper

91 100

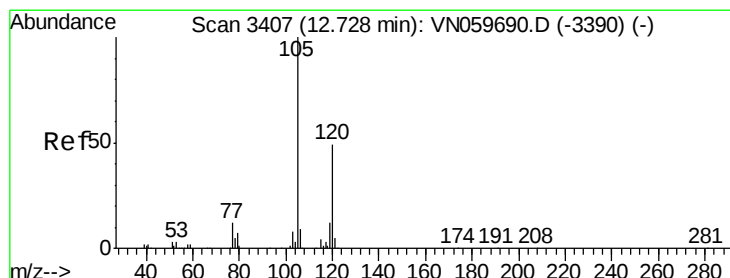
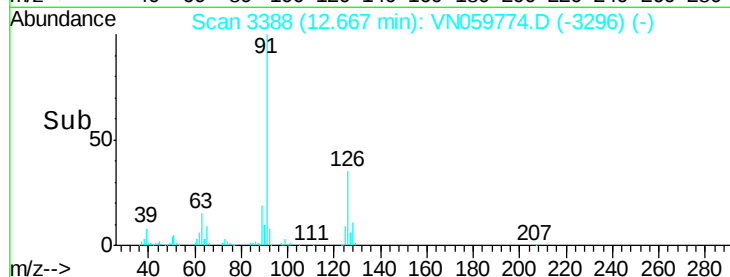
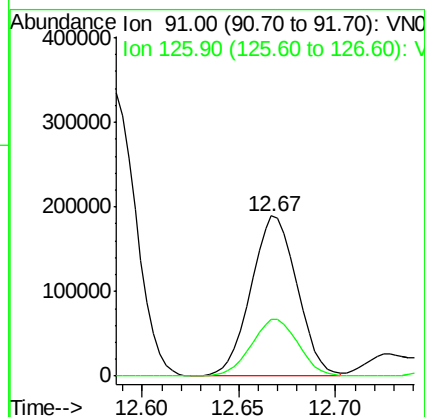
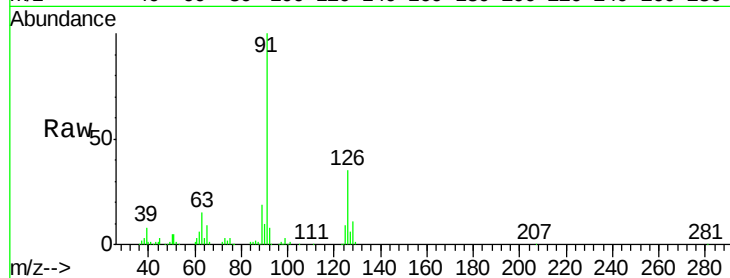
126 36.3 16.3 48.9

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 51.790 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. 0.00 min

Lab File: VN059774.D

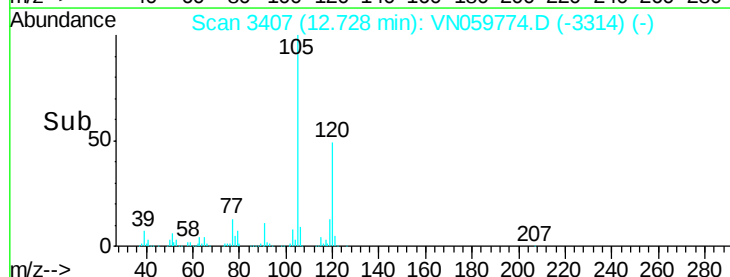
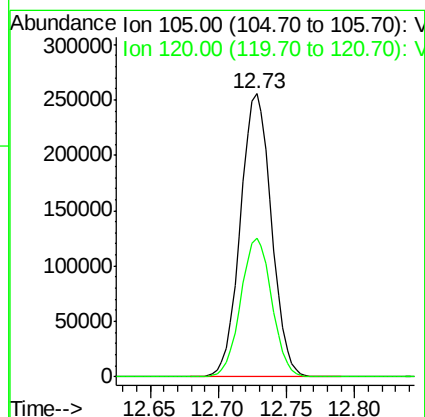
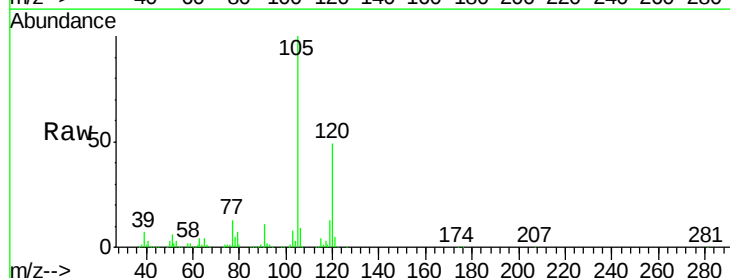
Acq: 17 Jan 2020 20:26

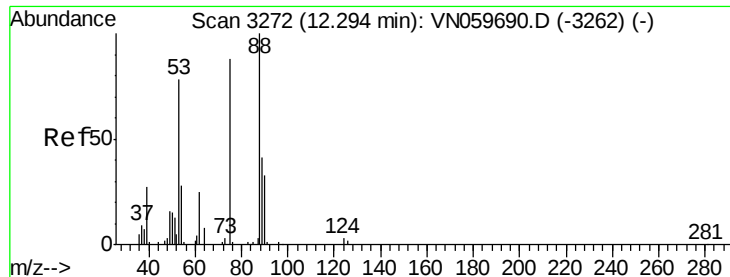
Tgt Ion: 105 Resp: 403018

Ion Ratio Lower Upper

105 100

120 49.2 24.1 72.4





#81

trans-1,4-Dichloro-2-butene

Concen: 49.445 ug/l

RT: 12.29 min Scan# 3272

Delta R.T. 0.00 min

Lab File: VN059774.D

Acq: 17 Jan 2020 20:26

Instrument :

MSVOA_N

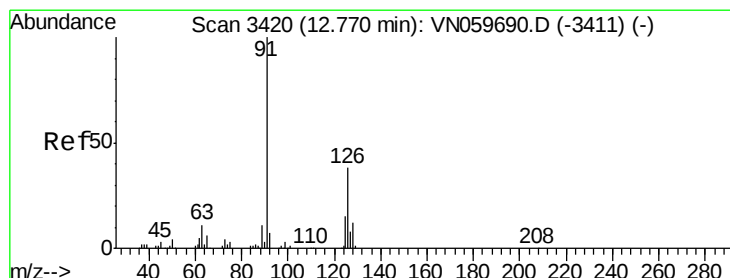
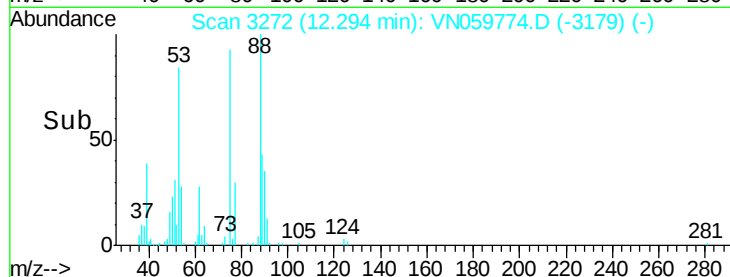
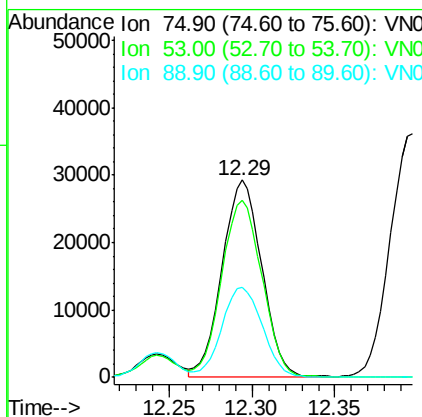
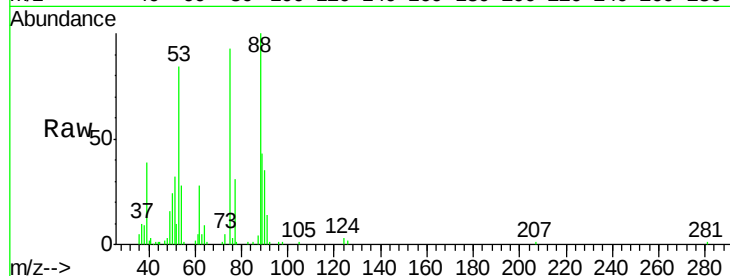
ClientSampleId :

VSTDCCC050EC

Tot Ion:	75	Resp:	48887
Ion	Ratio	Lower	Upper
75	100		
53	91.5	78.1	117.1
89	46.2	35.4	53.2

Manual Integrations
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#82

4-Chlorotoluene

Concen: 51.920 ug/l

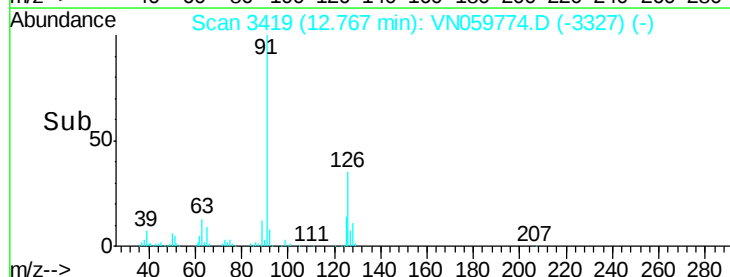
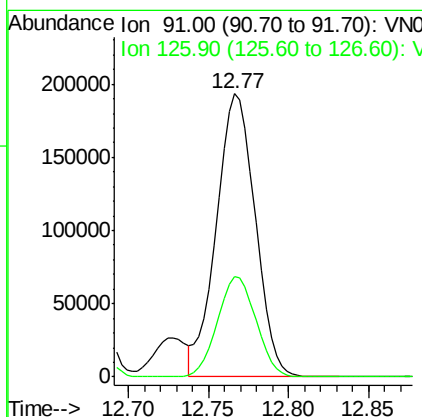
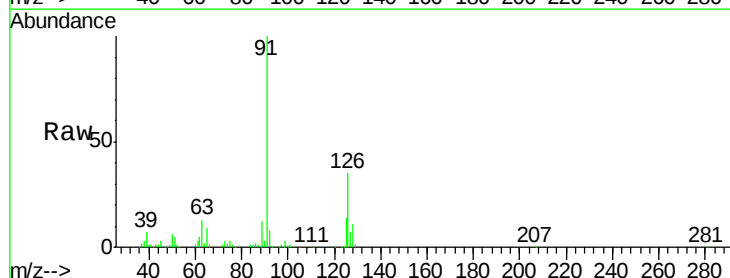
RT: 12.77 min Scan# 3419

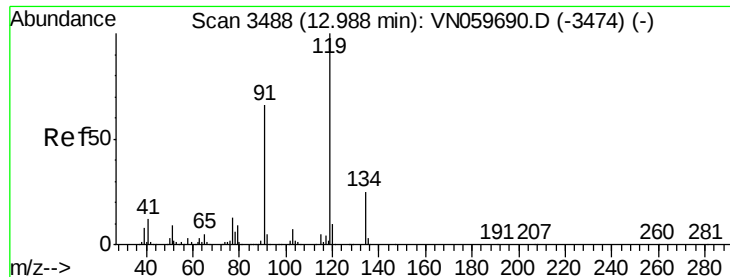
Delta R.T. -0.00 min

Lab File: VN059774.D

Acq: 17 Jan 2020 20:26

Tgt Ion:	91	Resp:	321746
Ion	Ratio	Lower	Upper
91	100		
126	35.1	16.3	48.8





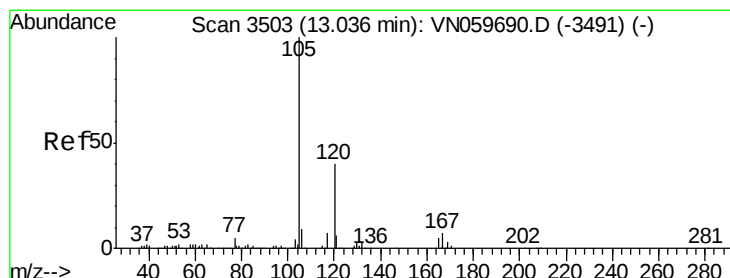
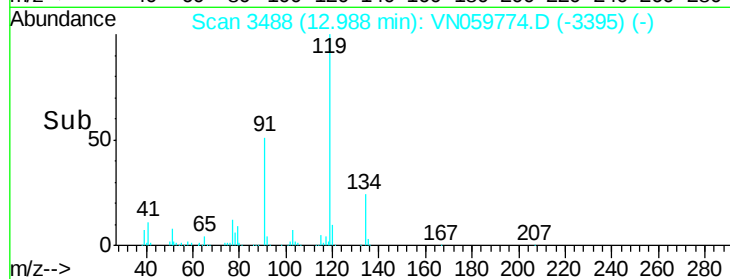
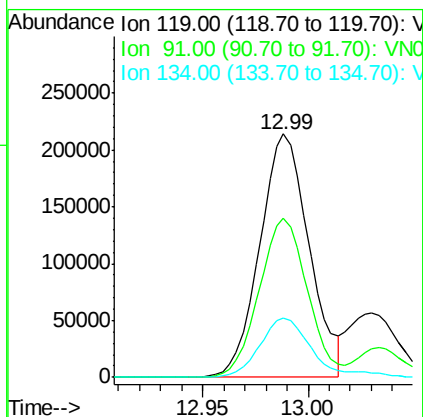
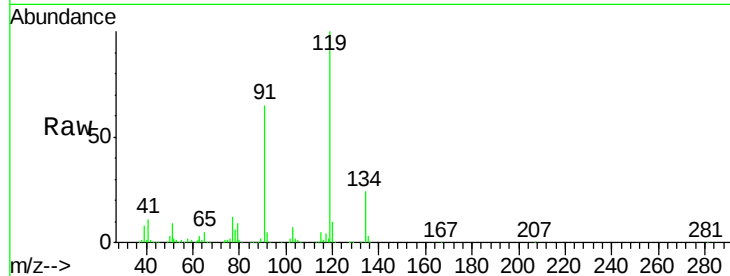
#83
tert-Butylbenzene
Concen: 51.795 ug/l
RT: 12.99 min Scan# 3488
Delta R.T. 0.00 min
Lab File: VN059774.D
Acq: 17 Jan 2020 20:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	64.2	34.8	104.4
134	26.0	12.3	36.9

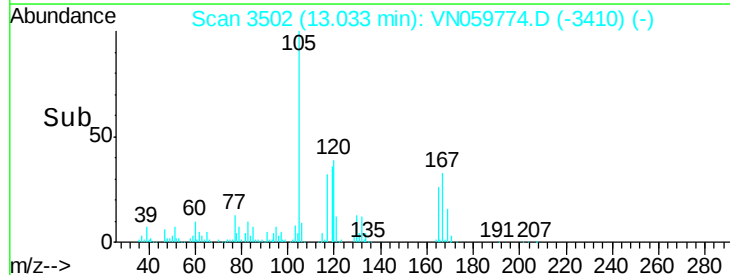
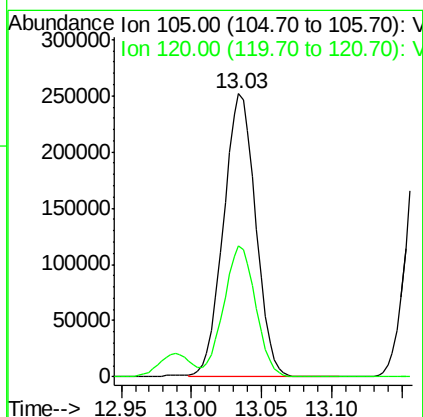
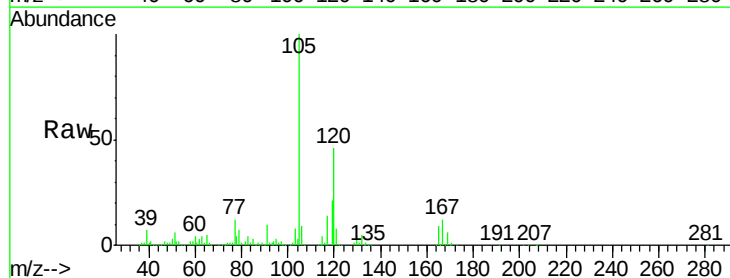
Manual Integrations
APPROVED

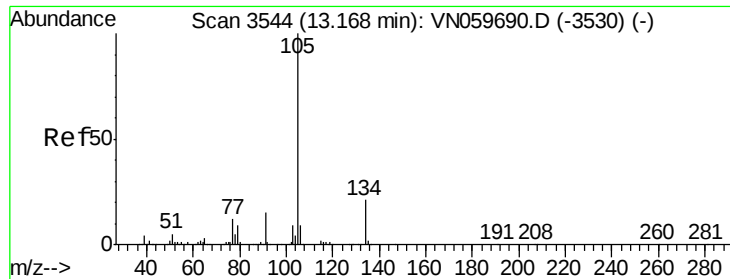
MMDadoda
1/20/2020 11:12:13 AM



#84
1,2,4-Trimethylbenzene
Concen: 52.176 ug/l
RT: 13.03 min Scan# 3502
Delta R.T. -0.00 min
Lab File: VN059774.D
Acq: 17 Jan 2020 20:26

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.0	22.3	66.9





#85

sec-Butylbenzene

Concen: 51.545 ug/l

RT: 13.17 min Scan# 3543

Delta R.T. -0.00 min

Lab File: VN059774.D

Acq: 17 Jan 2020 20:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 455790

Ion Ratio Lower Upper

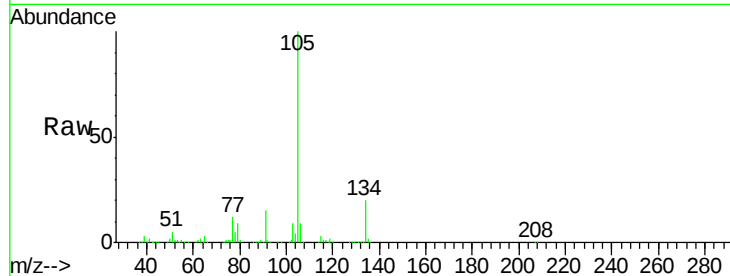
105 100

134 20.2 9.8 29.5

Manual Integrations
APPROVED

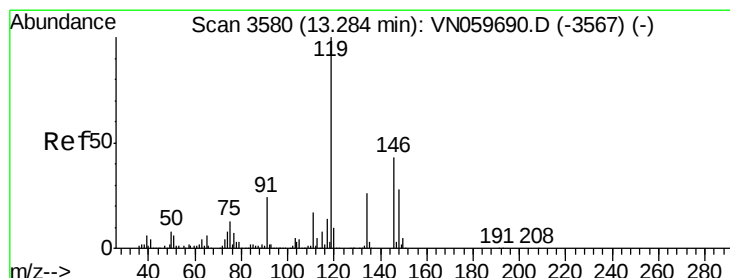
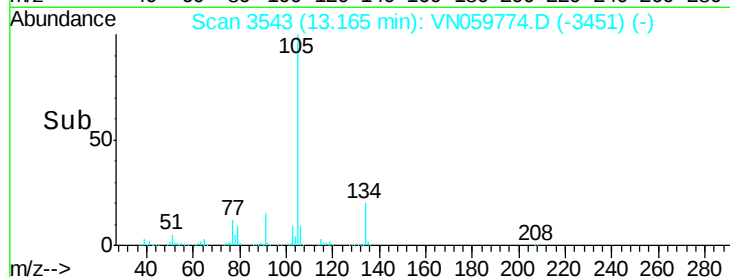
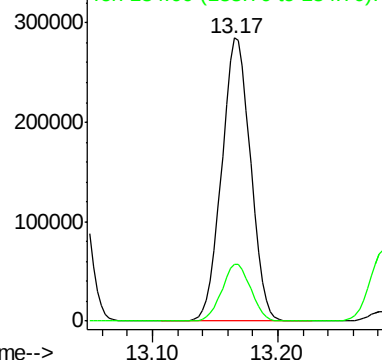
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 50.754 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN059774.D

Acq: 17 Jan 2020 20:26

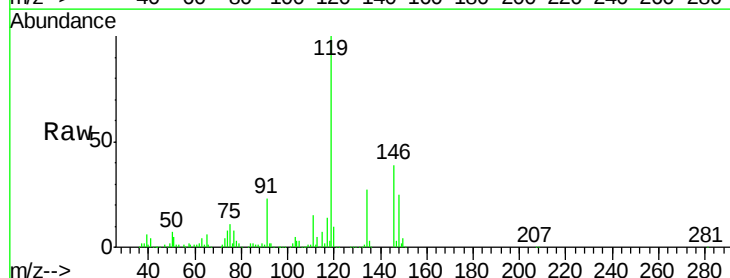
Tgt Ion:119 Resp: 415270

Ion Ratio Lower Upper

119 100

134 26.9 12.9 38.7

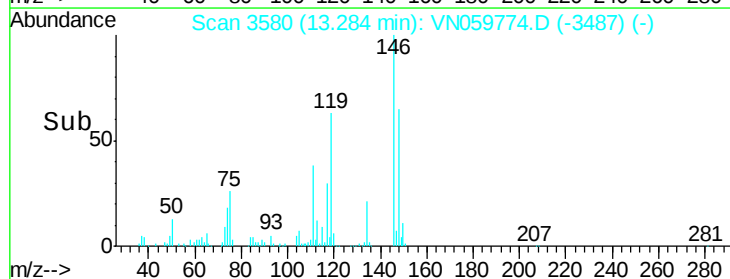
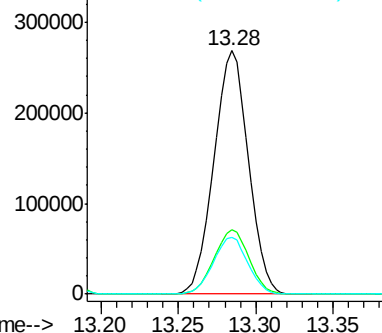
91 23.5 12.4 37.4

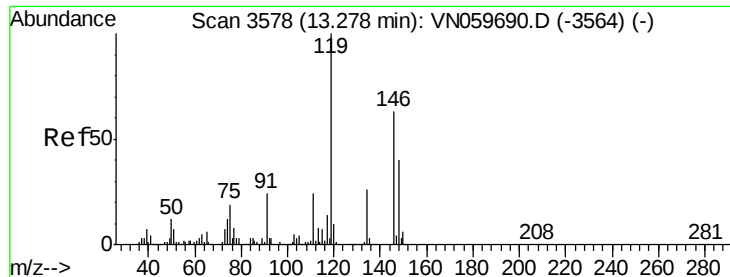


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 52.474 ug/l

RT: 13.28 min Scan# 3578

Delta R.T. 0.00 min

Lab File: VN059774.D

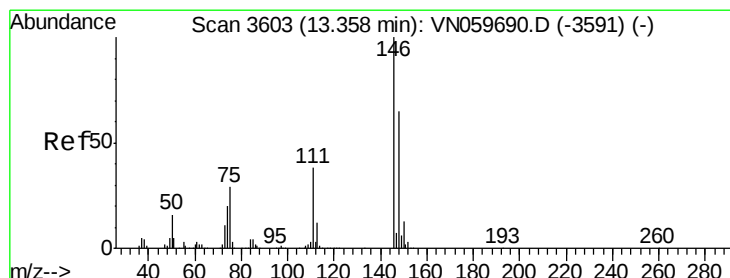
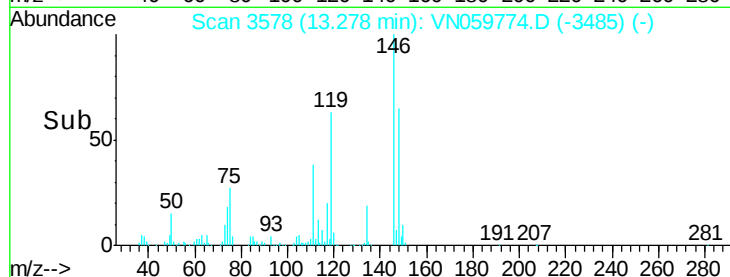
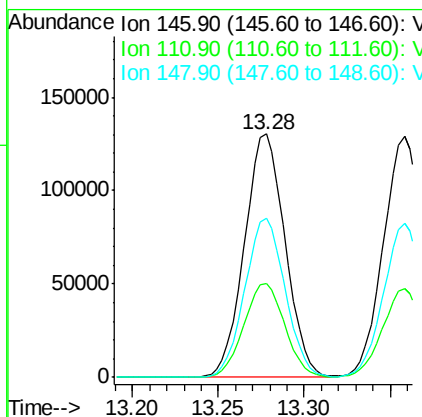
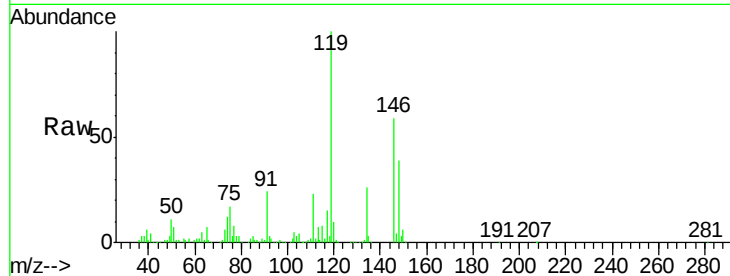
Acq: 17 Jan 2020 20:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.7	20.8	62.2
148	64.9	32.0	96.0

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 52.240 ug/l

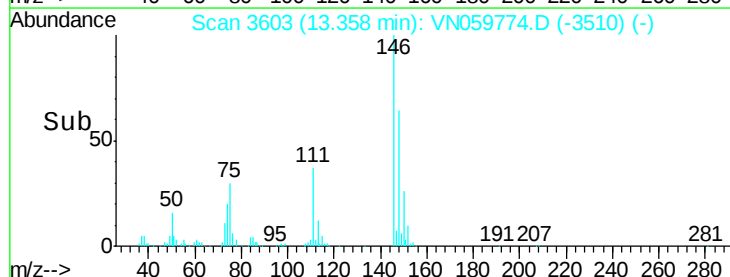
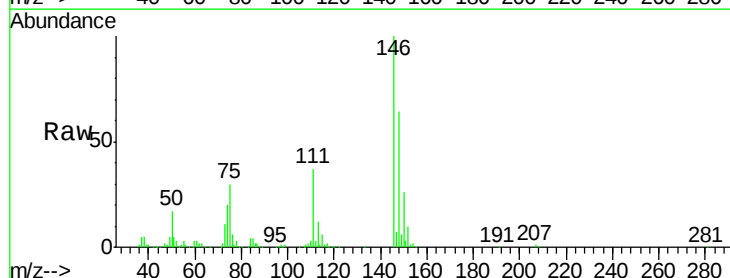
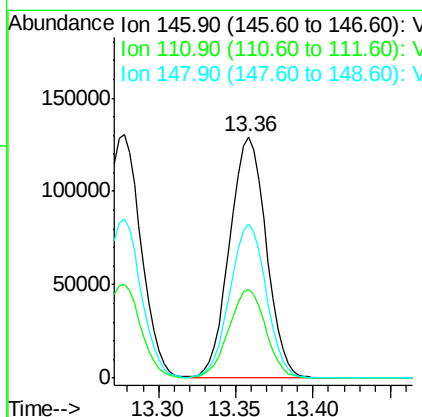
RT: 13.36 min Scan# 3603

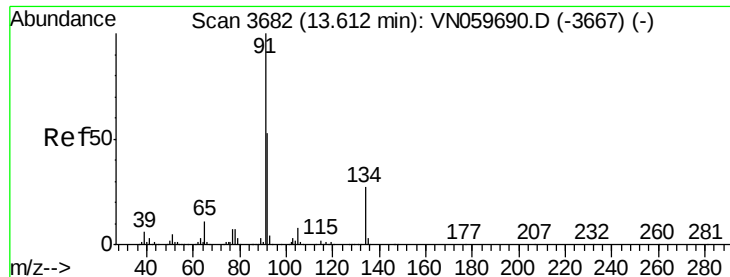
Delta R.T. 0.00 min

Lab File: VN059774.D

Acq: 17 Jan 2020 20:26

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.2	20.8	62.2
148	63.8	31.8	95.4





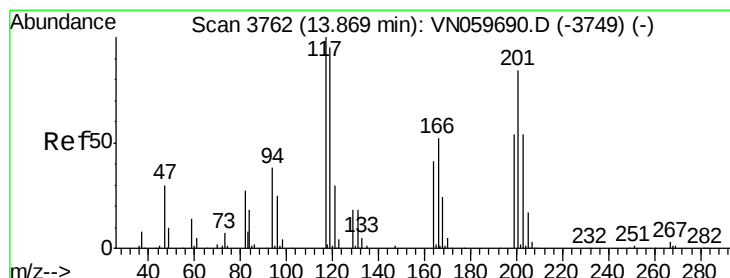
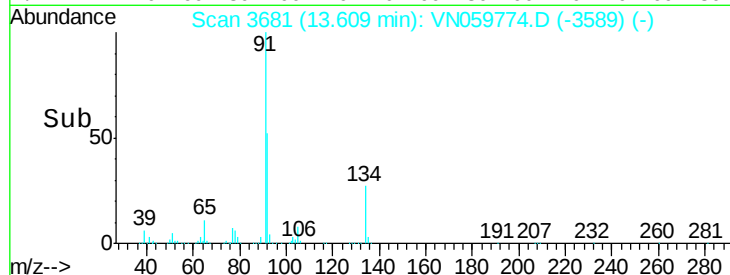
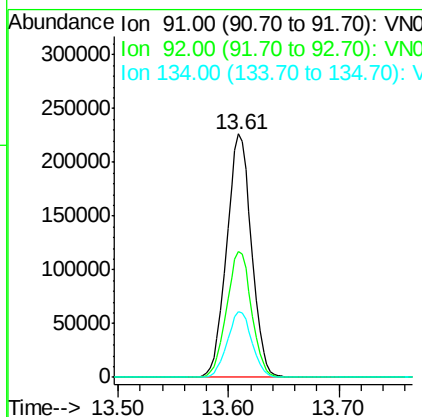
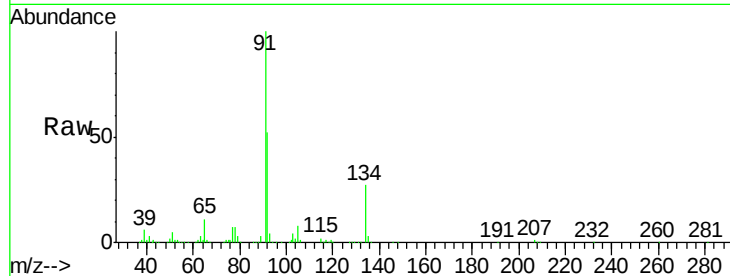
#89
n-Butylbenzene
Concen: 50.508 ug/l
RT: 13.61 min Scan# 3681
Delta R.T. -0.00 min
Lab File: VN059774.D
Acq: 17 Jan 2020 20:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.1	25.9	77.7
134	26.8	12.3	36.8

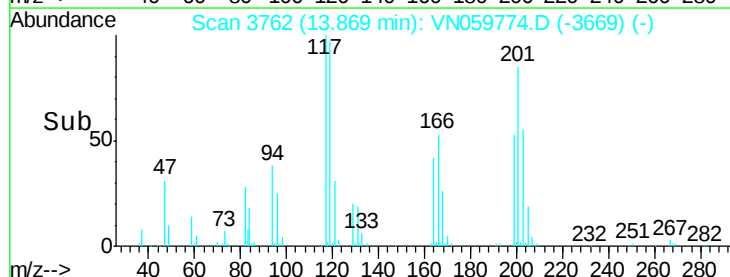
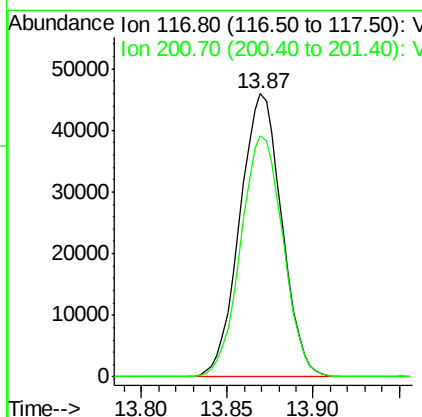
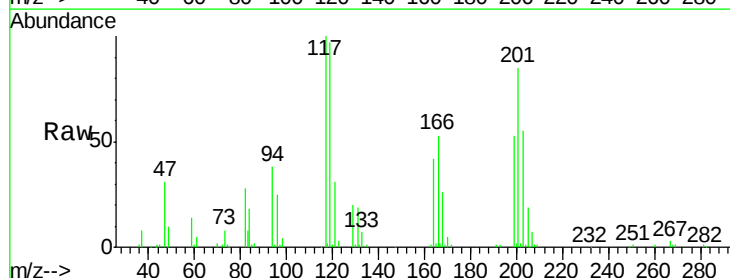
Manual Integrations
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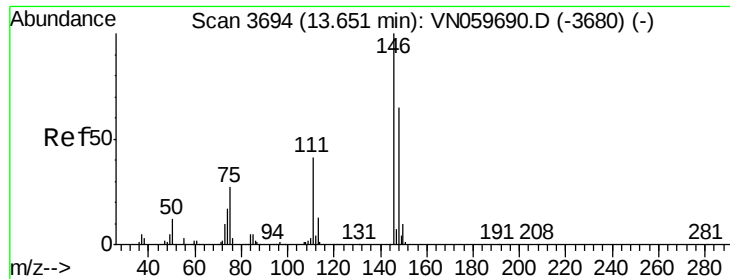
MMDadoda
1/20/2020 11:12:13 AM



#90
Hexachloroethane
Concen: 50.859 ug/l
RT: 13.87 min Scan# 3762
Delta R.T. 0.00 min
Lab File: VN059774.D
Acq: 17 Jan 2020 20:26

Tgt Ion	Ratio	Lower	Upper
117	100		
201	85.8	37.8	113.4





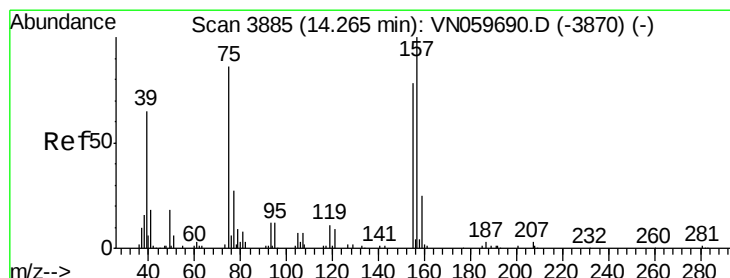
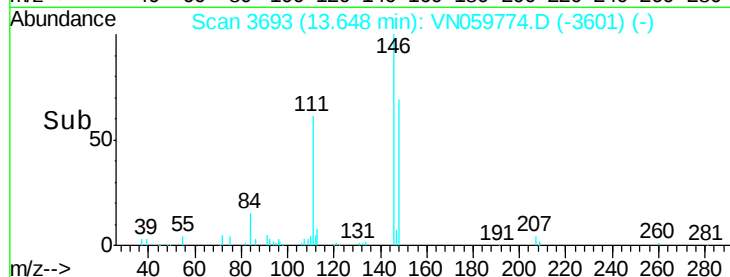
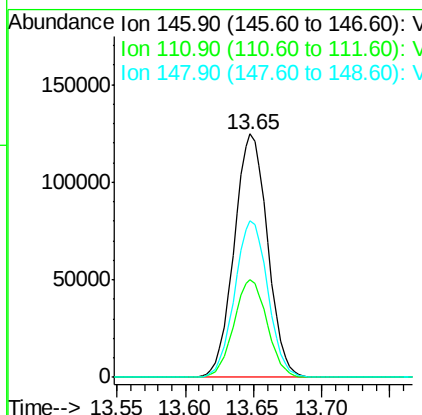
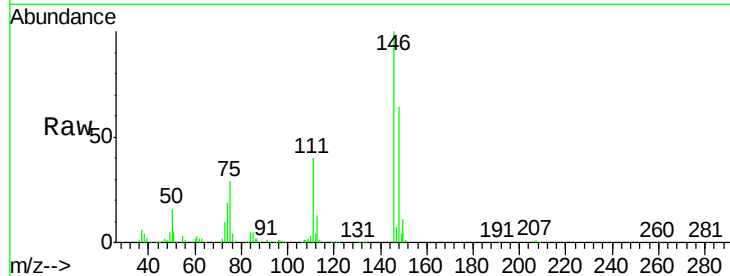
#91
 1,2-Dichlorobenzene
 Concen: 52.670 ug/l
 RT: 13.65 min Scan# 3693
 Delta R.T. -0.00 min
 Lab File: VN059774.D
 Acq: 17 Jan 2020 20:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.7	21.6	64.8
148	63.9	31.6	95.0

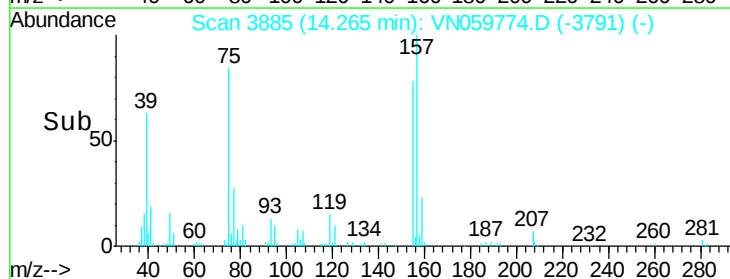
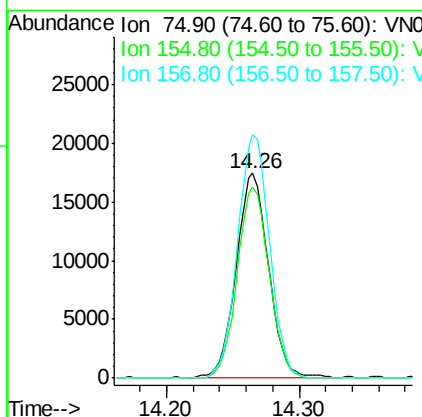
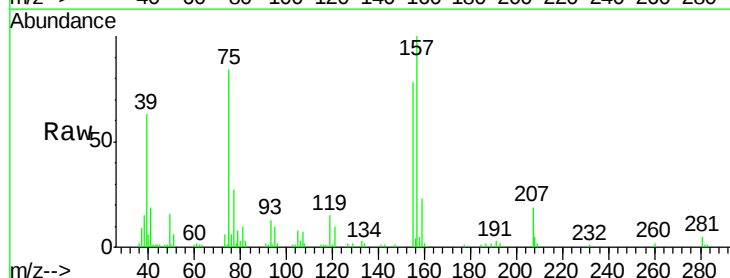
Manual Integrations
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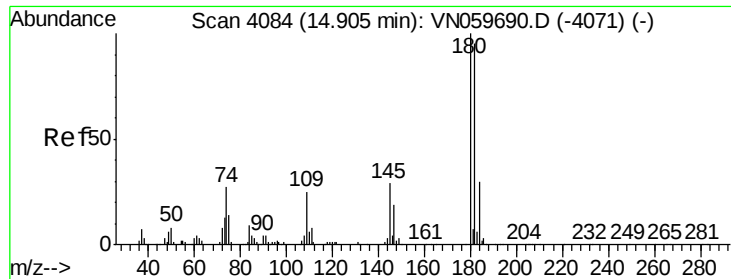
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 51.619 ug/l
 RT: 14.26 min Scan# 3885
 Delta R.T. 0.00 min
 Lab File: VN059774.D
 Acq: 17 Jan 2020 20:26

Tgt Ion	Ratio	Lower	Upper
75	100		
155	91.5	37.0	110.9
157	116.7	48.4	145.2





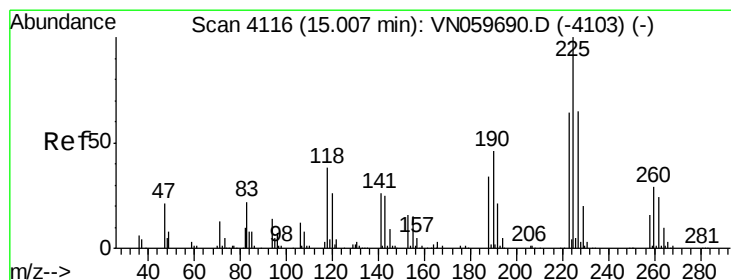
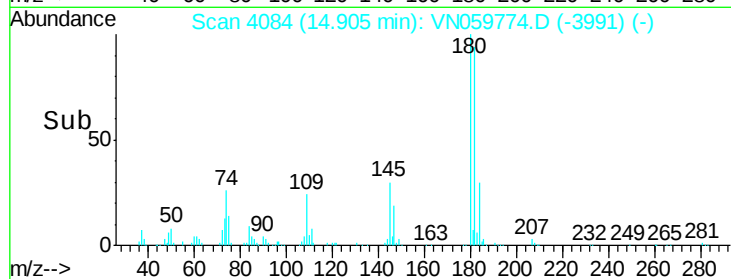
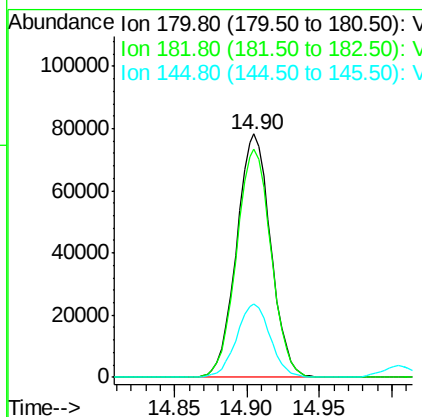
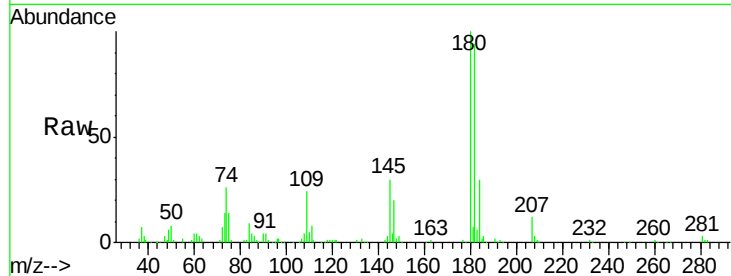
#93
 1,2,4-Trichlorobenzene
 Concen: 52.796 ug/l
 RT: 14.90 min Scan# 4084
 Delta R.T. 0.00 min
 Lab File: VN059774.D
 Acq: 17 Jan 2020 20:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	127657		
182	94.7	46.9	140.7	
145	29.9	15.0	45.1	

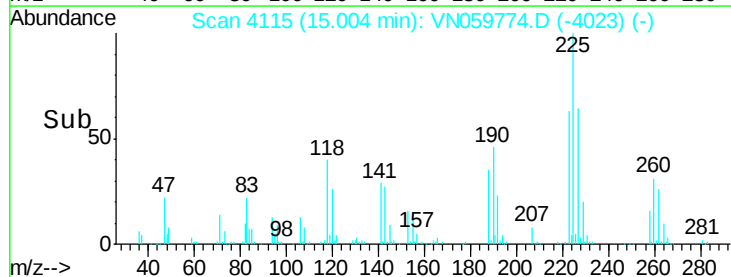
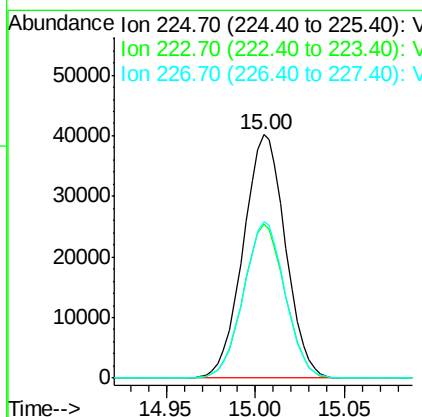
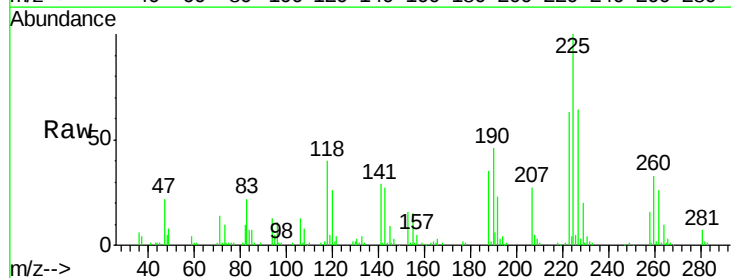
Manual Integrations
 APPROVED

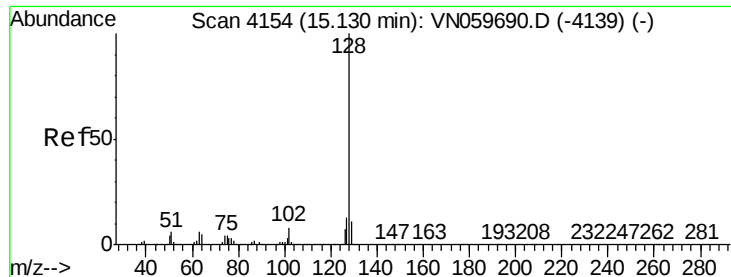
MMDadoda
 1/20/2020 11:12:13 AM



#94
 Hexachlorobutadiene
 Concen: 49.858 ug/l
 RT: 15.00 min Scan# 4115
 Delta R.T. -0.00 min
 Lab File: VN059774.D
 Acq: 17 Jan 2020 20:26

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	66432		
223	62.4	31.8	95.3	
227	63.0	32.1	96.5	





#95

Naphthalene

Concen: 51.047 ug/l

RT: 15.13 min Scan# 4153

Delta R.T. -0.00 min

Lab File: VN059774.D

Acq: 17 Jan 2020 20:26

Instrument :

MSVOA_N

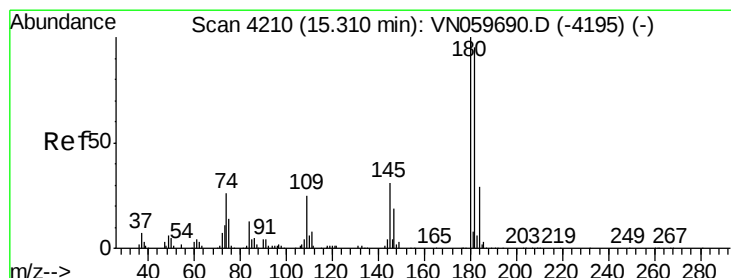
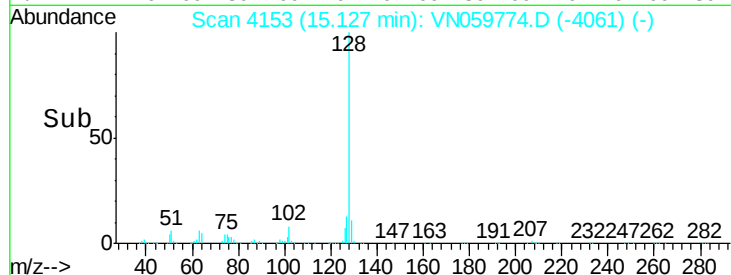
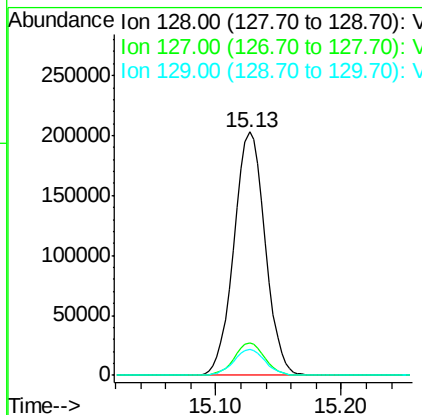
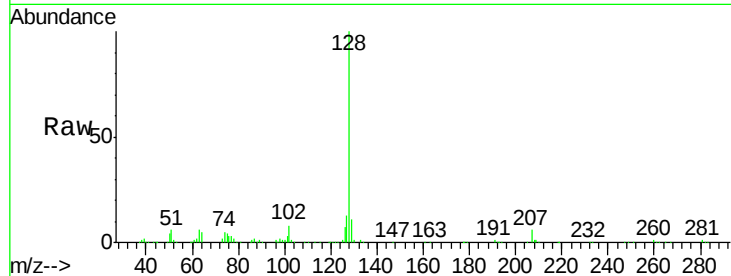
ClientSampleId :

VSTDCCC050EC

Tot Ion:	128	Resp:	351076
Ion Ratio	Lower	Upper	
128	100		
127	13.0	10.4	15.6
129	10.8	8.6	12.8

Manual Integrations
APPROVED

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1/20/2020 11:12:13 AM



#96

1,2,3-Trichlorobenzene

Concen: 51.714 ug/l

RT: 15.31 min Scan# 4209

Delta R.T. -0.00 min

Lab File: VN059774.D

Acq: 17 Jan 2020 20:26

Tgt Ion:	180	Resp:	121710
Ion Ratio	Lower	Upper	
180	100		
182	96.0	47.4	142.3
145	31.2	16.3	48.9

