

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN042920\
 Data File : VN061181.D
 Acq On : 29 Apr 2020 10:02
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 4/30/2020 2:11:12 PM

Quant Time: Apr 29 15:20:19 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042720W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 29 08:14:26 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	114229	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	189712	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	181043	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	90688	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.98	65	90726	50.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.40%	
35) Dibromofluoromethane	7.54	113	57337	51.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.22%	
50) Toluene-d8	10.06	98	244328	53.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.86%	
62) 4-Bromofluorobenzene	12.37	95	94277	54.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.56%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	64889	53.569	ug/l	100
3) Chloromethane	2.03	50	73566	50.146	ug/l	100
4) Vinyl Chloride	2.16	62	86436	51.874	ug/l	100
5) Bromomethane	2.53	94	40791	49.524	ug/l	99
6) Chloroethane	2.67	64	54449	51.555	ug/l	97
7) Trichlorofluoromethane	2.98	101	97218	51.714	ug/l	100
8) Diethyl Ether	3.37	74	41563	53.005	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.71	101	64647	53.379	ug/l	99
10) Methyl Iodide	3.90	142	78397	50.369	ug/l	100
11) Tert butyl alcohol	4.72	59	59624	246.256	ug/l	99
12) 1,1-Dichloroethene	3.69	96	61862	51.329	ug/l	98
13) Acrolein	3.56	56	39905	247.317	ug/l	97
14) Allyl chloride	4.27	41	126347	56.539	ug/l	97
15) Acrylonitrile	4.92	53	186442	250.846	ug/l	98
16) Acetone	3.77	43	157983	225.461	ug/l	100
17) Carbon Disulfide	4.01	76	169479	50.907	ug/l	98
18) Methyl Acetate	4.27	43	104386	45.809	ug/l	100
19) Methyl tert-butyl Ether	4.98	73	235286	51.091	ug/l	100
20) Methylene Chloride	4.50	84	71838	50.971	ug/l	96
21) trans-1,2-Dichloroethene	4.98	96	69299	52.805	ug/l	97
22) Diisopropyl ether	5.90	45	271224	52.339	ug/l	99
23) Vinyl Acetate	5.83	43	1113873	266.958	ug/l	99
24) 1,1-Dichloroethane	5.79	63	139289	51.445	ug/l	99
25) 2-Butanone	6.78	43	266848	249.501	ug/l	99
26) 2,2-Dichloropropane	6.77	77	128981	56.558	ug/l	100
27) cis-1,2-Dichloroethene	6.77	96	80567	52.314	ug/l	99
28) Bromochloromethane	7.15	49	66663	51.947	ug/l	99
29) Tetrahydrofuran	7.16	42	186030	258.211	ug/l	99
30) Chloroform	7.32	83	140839	51.330	ug/l	99
31) Cyclohexane	7.61	56	132161	50.263	ug/l	99
32) 1,1,1-Trichloroethane	7.52	97	124944	52.294	ug/l	100
36) 1,1-Dichloropropene	7.75	75	107207	56.451	ug/l	99
37) Ethyl Acetate	6.87	43	119657	53.745	ug/l	100
38) Carbon Tetrachloride	7.73	117	96223	55.280	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.04	83	123071	57.786	ug/l	98
40) Benzene	8.00	78	311423	55.042	ug/l	99
41) Methacrylonitrile	7.13	41	54107m	58.533	ug/l	
42) 1,2-Dichloroethane	8.08	62	121540	56.704	ug/l	99
43) Isopropyl Acetate	8.12	43	201918	54.647	ug/l	100
44) Trichloroethene	8.80	130	80292	52.496	ug/l	100
45) 1,2-Dichloropropane	9.08	63	81728	54.069	ug/l	98
46) Dibromomethane	9.17	93	53650	57.324	ug/l	98
47) Bromodichloromethane	9.37	83	114346	56.921	ug/l	100
48) Methyl methacrylate	9.16	41	92748	55.626	ug/l	97
49) 1,4-Dioxane	9.16	88	20048	1059.259	ug/l	98
51) 4-Methyl-2-Pentanone	9.95	43	602792	277.159	ug/l	100
52) Toluene	10.12	92	194104	56.957	ug/l	100
53) t-1,3-Dichloropropene	10.35	75	130955	57.854	ug/l	99
54) cis-1,3-Dichloropropene	9.81	75	135505	56.625	ug/l	98
55) 1,1,2-Trichloroethane	10.53	97	74043	54.470	ug/l	99
56) Ethyl methacrylate	10.40	69	121128	51.074	ug/l	99
57) 1,3-Dichloropropane	10.68	76	133912	56.045	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.66	63	302754	275.156	ug/l	100
59) 2-Hexanone	10.72	43	452215	285.799	ug/l	100
60) Dibromochloromethane	10.87	129	81455	57.214	ug/l	99
61) 1,2-Dibromoethane	10.98	107	76835	56.395	ug/l	99
64) Tetrachloroethene	10.60	164	83951	53.539	ug/l	99
65) Chlorobenzene	11.41	112	196329	54.668	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.48	131	72925	56.735	ug/l	100
67) Ethyl Benzene	11.48	91	381350	56.724	ug/l	100
68) m/p-Xylenes	11.59	106	281981	114.591	ug/l	100
69) o-Xylene	11.92	106	131936	55.817	ug/l	97
70) Styrene	11.94	104	227850	57.594	ug/l	99
71) Bromoform	12.10	173	55011	58.233	ug/l #	98
73) Isopropylbenzene	12.22	105	364808	54.719	ug/l	99
74) N-amyl acetate	12.04	43	184429	54.630	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	108713	52.295	ug/l	99
76) 1,2,3-Trichloropropane	12.53	75	107619m	56.288	ug/l	
77) Bromobenzene	12.50	156	83427	54.208	ug/l	99
78) n-propylbenzene	12.56	91	443806	56.123	ug/l	99
79) 2-Chlorotoluene	12.65	91	255823	55.040	ug/l	100
80) 1,3,5-Trimethylbenzene	12.71	105	313396	56.796	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.27	75	41439	55.040	ug/l	96
82) 4-Chlorotoluene	12.75	91	275185	56.174	ug/l	99
83) tert-Butylbenzene	12.97	119	259264	55.723	ug/l	100
84) 1,2,4-Trimethylbenzene	13.01	105	315321	55.466	ug/l	100
85) sec-Butylbenzene	13.15	105	360826	56.882	ug/l	99
86) p-Isopropyltoluene	13.26	119	329221	57.603	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	156552	55.256	ug/l	100
88) 1,4-Dichlorobenzene	13.34	146	157950	54.563	ug/l	99
89) n-Butylbenzene	13.59	91	309179	59.009	ug/l	99
90) Hexachloroethane	13.85	117	35083	57.500	ug/l	96
91) 1,2-Dichlorobenzene	13.63	146	148216	54.560	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.25	75	23682	53.939	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	93443	56.486	ug/l	99
94) Hexachlorobutadiene	14.98	225	40748	58.961	ug/l	98
95) Naphthalene	15.10	128	289767	53.786	ug/l	100
96) 1,2,3-Trichlorobenzene	15.28	180	88334	54.085	ug/l	100

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

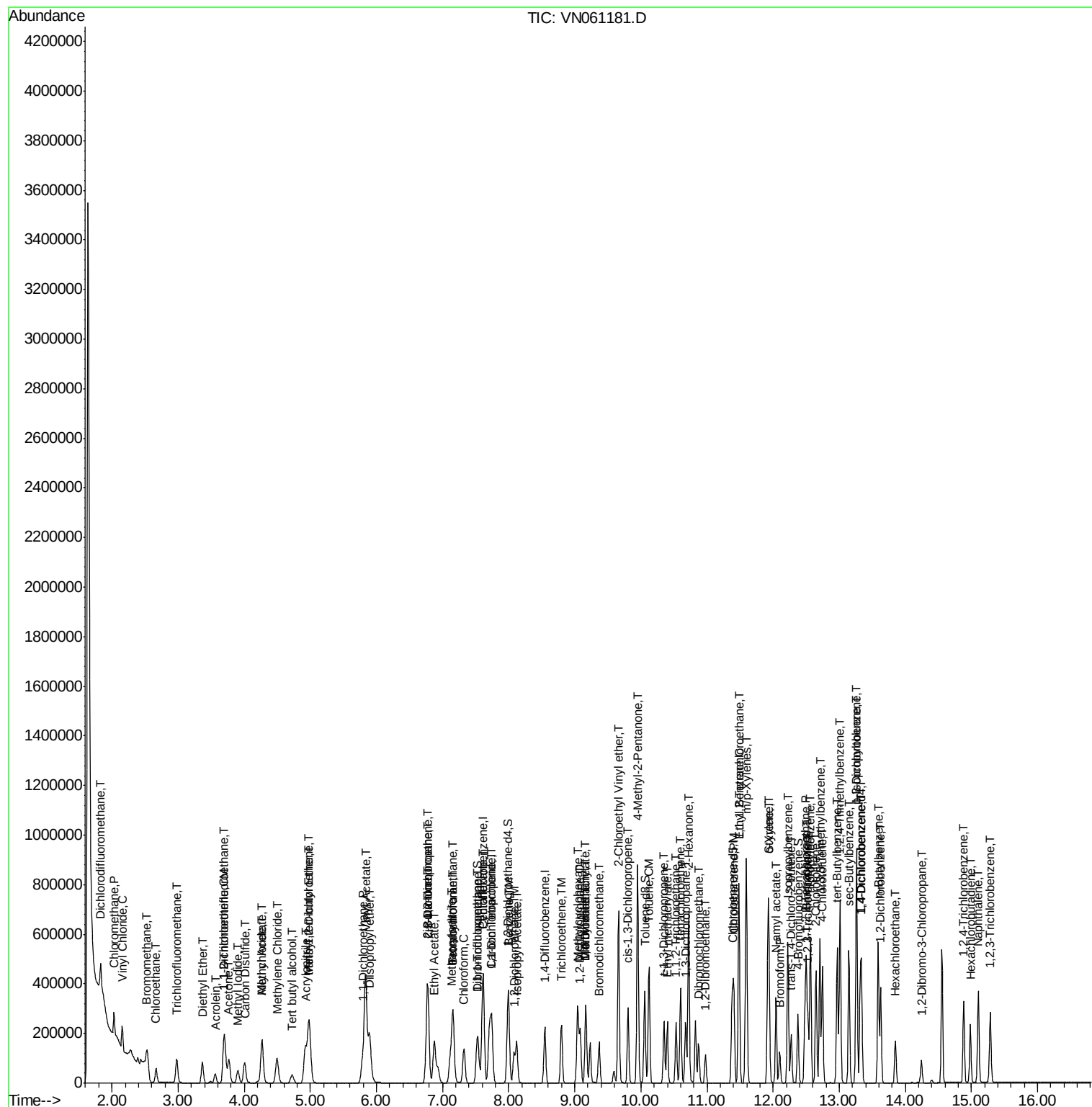
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN042920\
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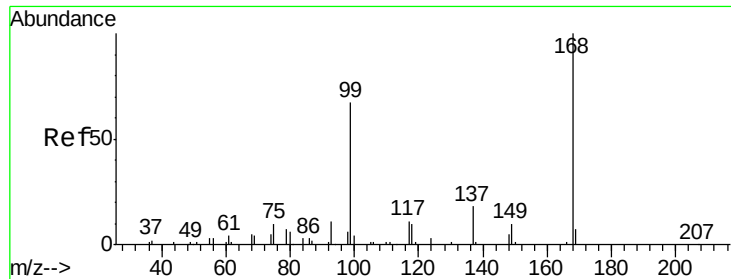
Instrument :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1876

Delta R.T. -0.00 min

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Acq: 29 Apr 2020 10:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 114229

Ion Ratio Lower Upper

168 100

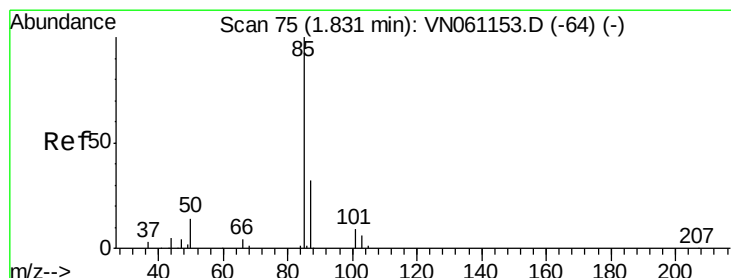
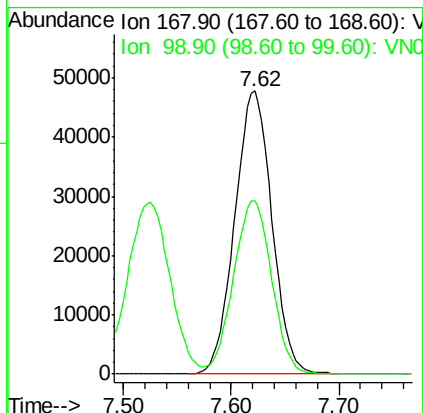
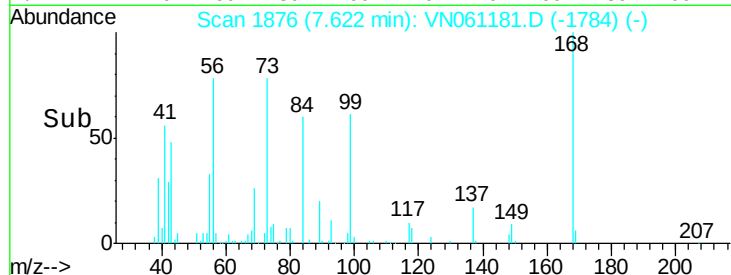
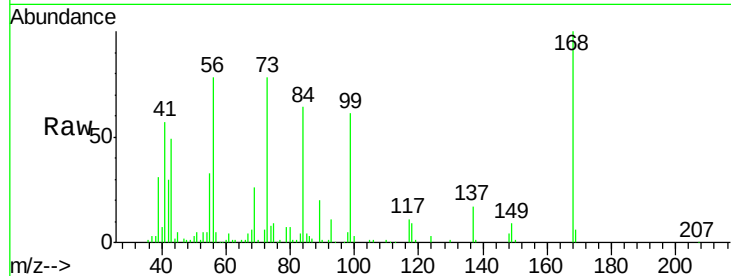
99 61.0 51.2 76.8

Manual Integrations

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4/30/2020 2:11:12 PM



#2

Dichlorodifluoromethane

Concen: 53.569 ug/l

RT: 1.83 min Scan# 74

Delta R.T. -0.00 min

Lab File: VN061181.D

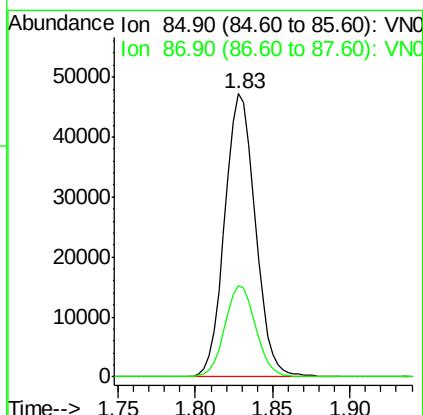
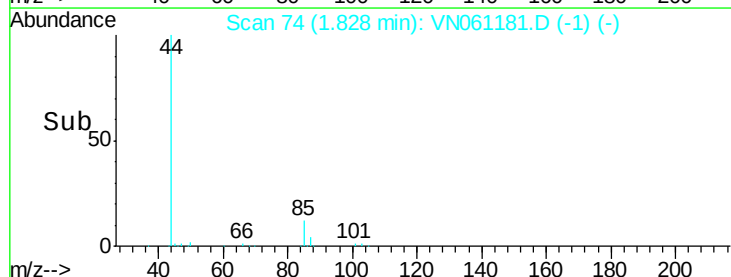
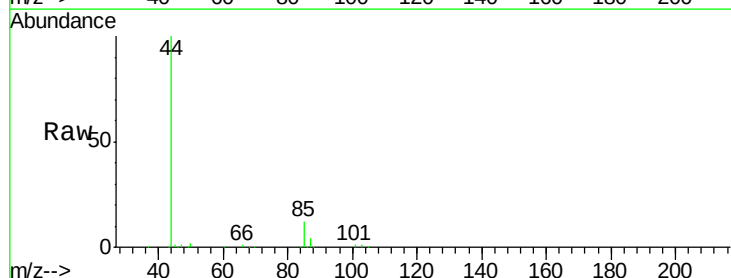
Acq: 29 Apr 2020 10:02

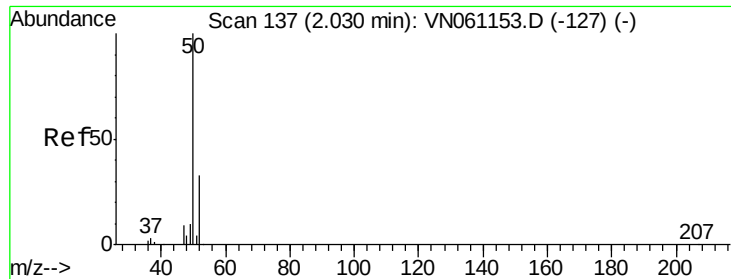
Tgt Ion: 85 Resp: 64889

Ion Ratio Lower Upper

85 100

87 32.4 16.1 48.2





#3

Chloromethane

Concen: 50.146 ug/l

RT: 2.03 min Scan# 137

Delta R.T. 0.00 min

Lab File: VN061181.D

Acq: 29 Apr 2020 10:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 73566

Ion Ratio Lower Upper

50 100

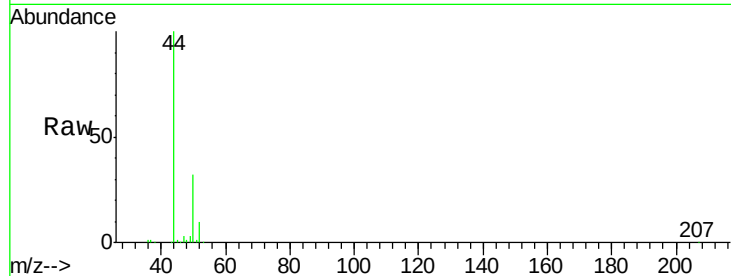
52 32.5 26.0 39.0

Manual Integrations

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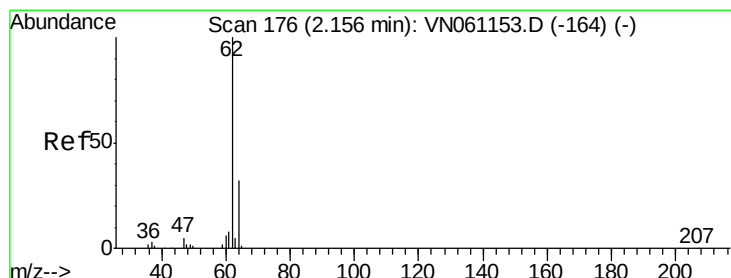
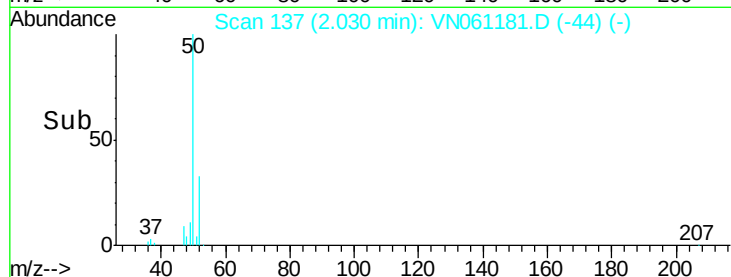
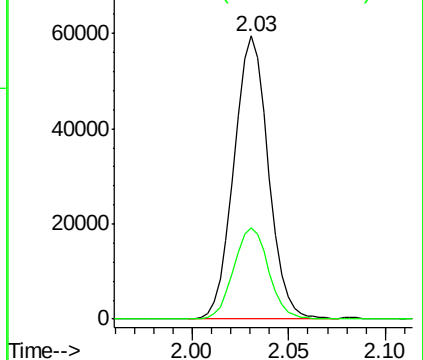
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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 51.874 ug/l

RT: 2.16 min Scan# 176

Delta R.T. 0.00 min

Lab File: VN061181.D

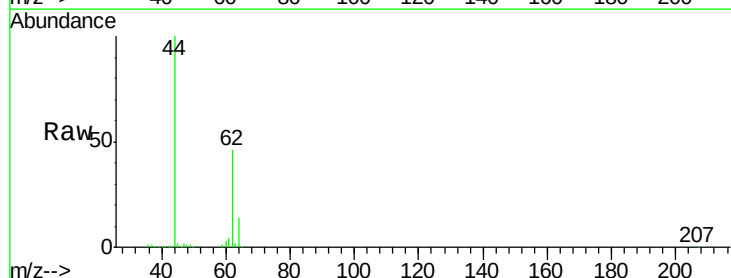
Acq: 29 Apr 2020 10:02

Tgt Ion: 62 Resp: 86436

Ion Ratio Lower Upper

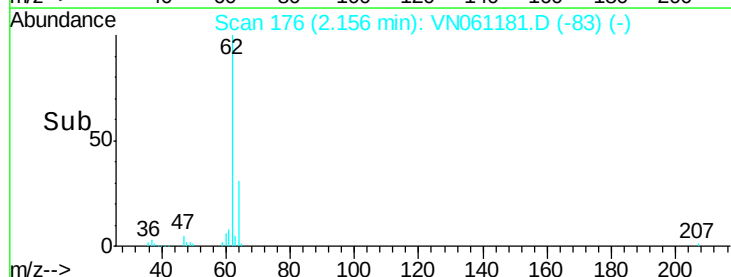
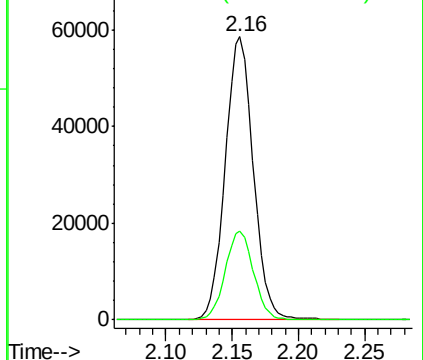
62 100

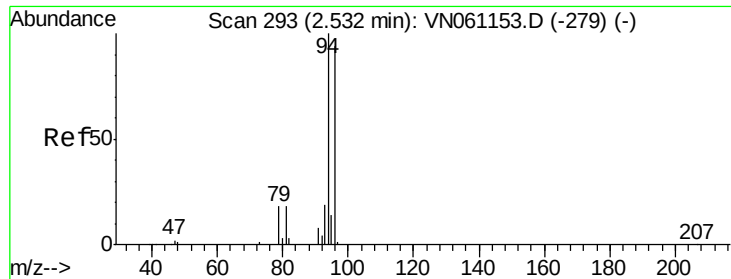
64 31.5 25.2 37.8



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 49.524 ug/l

RT: 2.53 min Scan# 292

Delta R.T. -0.00 min

Lab File: VN061181.D

Acq: 29 Apr 2020 10:02

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VSTDCCC050

Tot Ion: 94 Resp: 40791

Ion Ratio Lower Upper

94 100

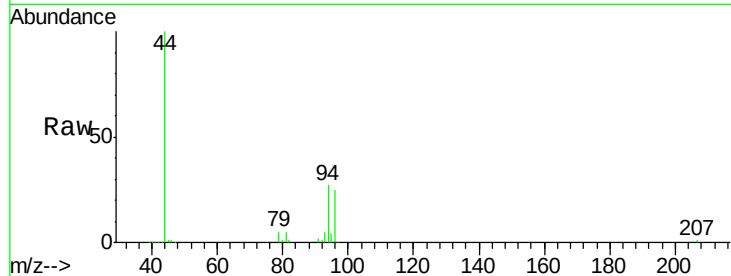
96 92.9 75.1 112.7

Manual Integrations

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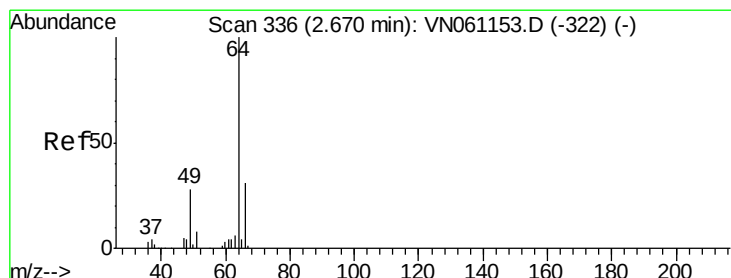
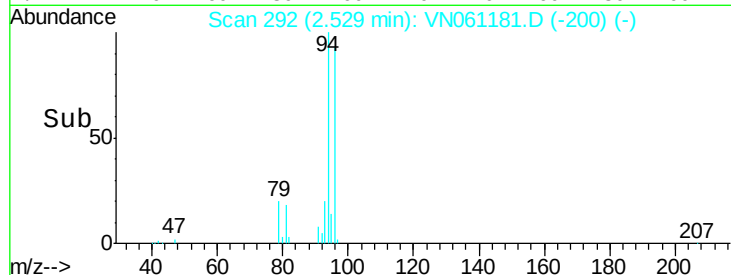
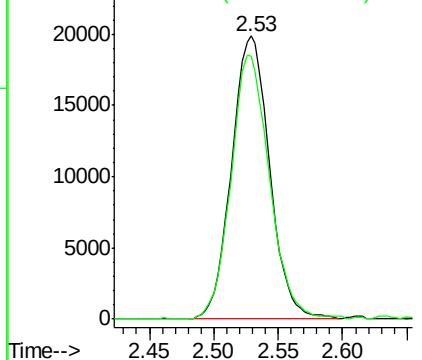
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 51.555 ug/l

RT: 2.67 min Scan# 335

Delta R.T. -0.00 min

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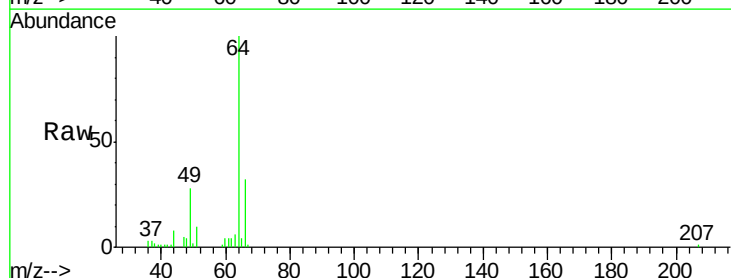
Acq: 29 Apr 2020 10:02

Tgt Ion: 64 Resp: 54449

Ion Ratio Lower Upper

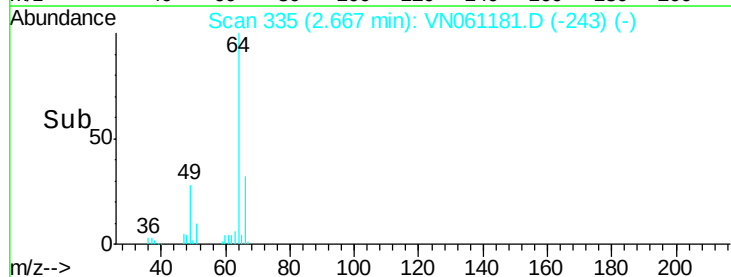
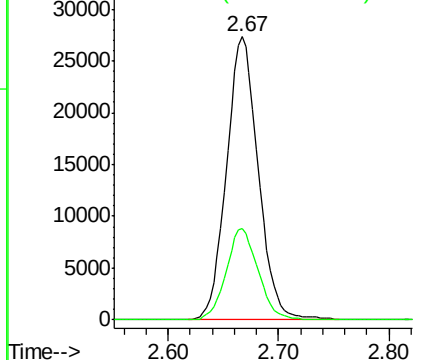
64 100

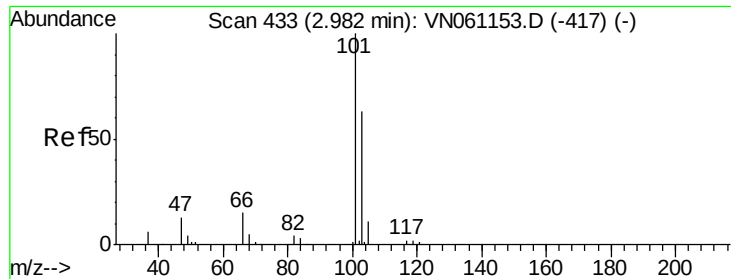
66 32.1 24.6 36.8



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

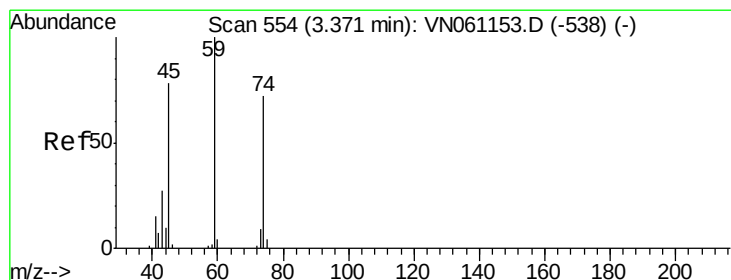
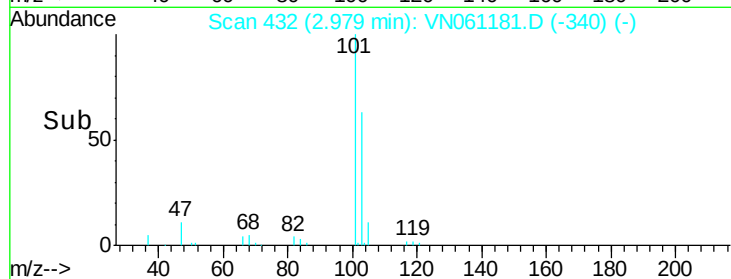
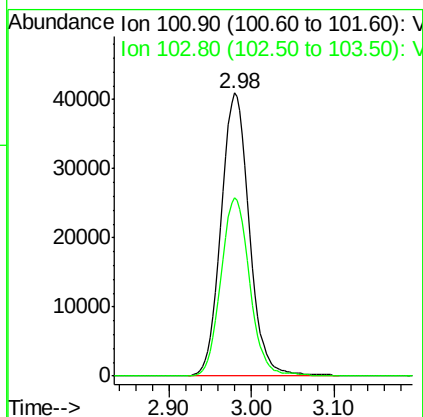
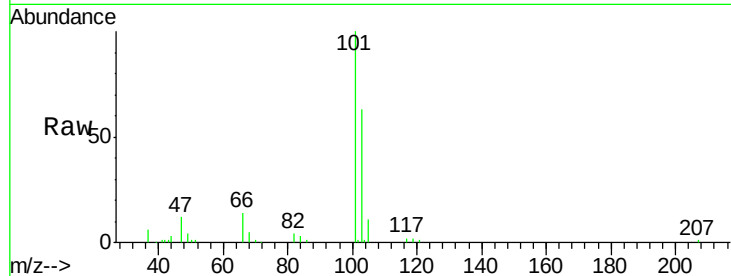
Trichlorofluoromethane
 Concen: 51.714 ug/l
 RT: 2.98 min Scan# 432
 Delta R.T. -0.00 min
 Lab File: VN061181.D
 Acq: 29 Apr 2020 10:02

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 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	62.9	50.6	76.0

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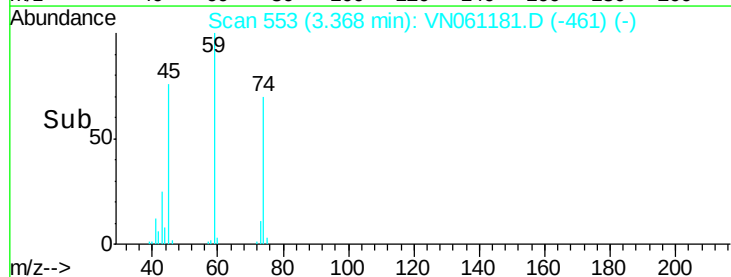
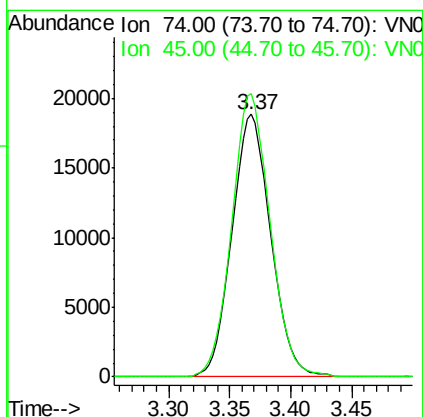
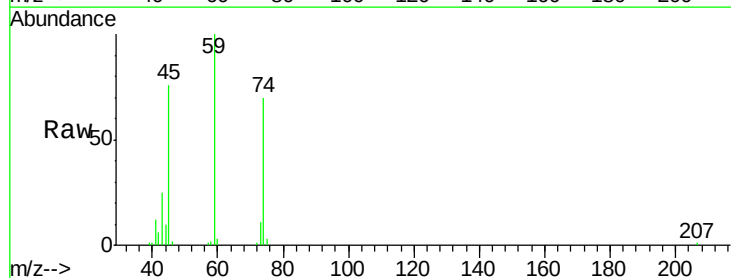
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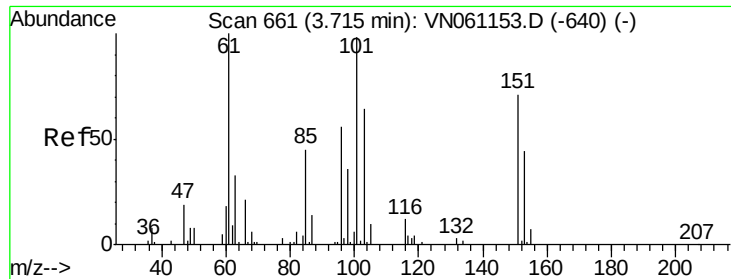


#8

Diethyl Ether
 Concen: 53.005 ug/l
 RT: 3.37 min Scan# 553
 Delta R.T. -0.00 min
 Lab File: VN061181.D
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Tgt Ion	Ratio	Lower	Upper
74	100		
45	106.7	53.3	160.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 53.379 ug/l

RT: 3.71 min Scan# 659

Delta R.T. -0.01 min

Lab File: VN061181.D

Acq: 29 Apr 2020 10:02

Instrument :

MSVOA_N

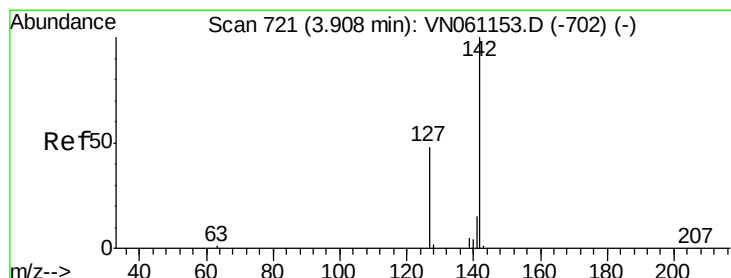
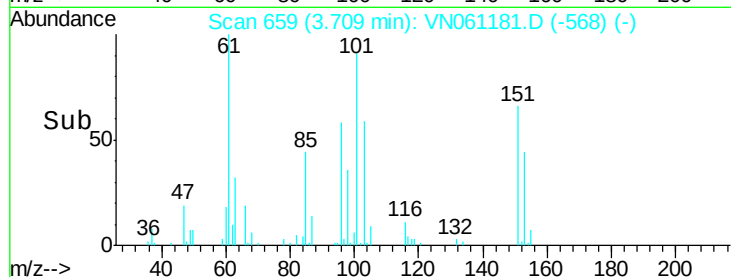
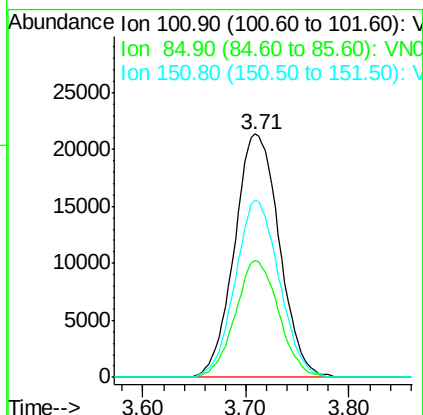
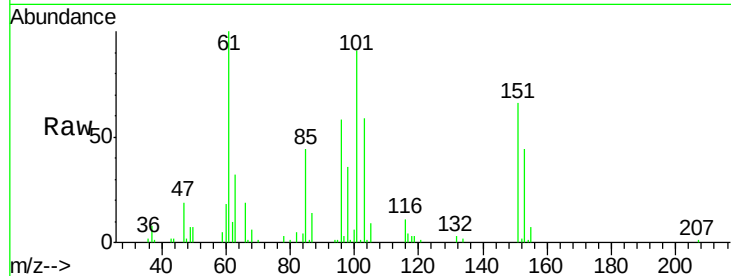
ClientSampled :

VSTDCCC050

Tot Ion:	101	Resp:	64647
Ion Ratio	Lower	Upper	
101	100		
85	46.4	37.2	55.8
151	71.2	57.7	86.5

Manual Integrations
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#10

Methyl Iodide

Concen: 50.369 ug/l

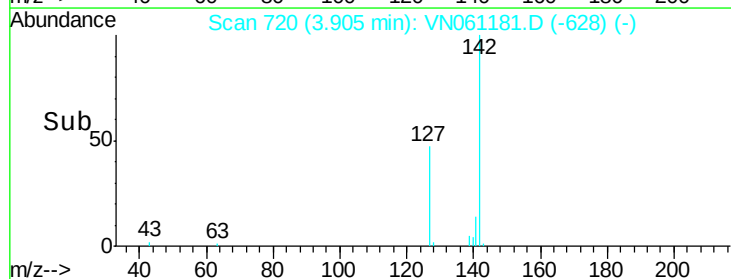
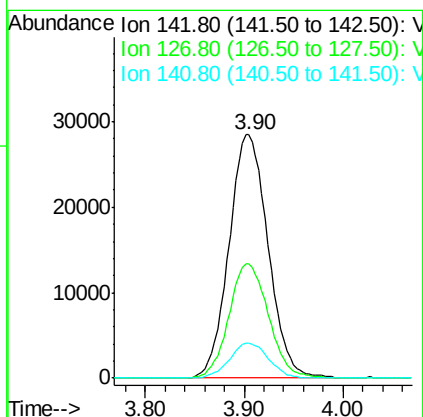
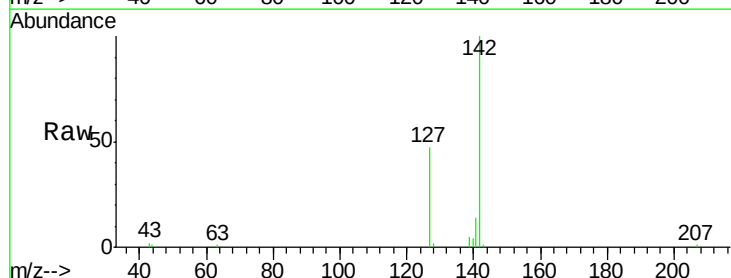
RT: 3.90 min Scan# 720

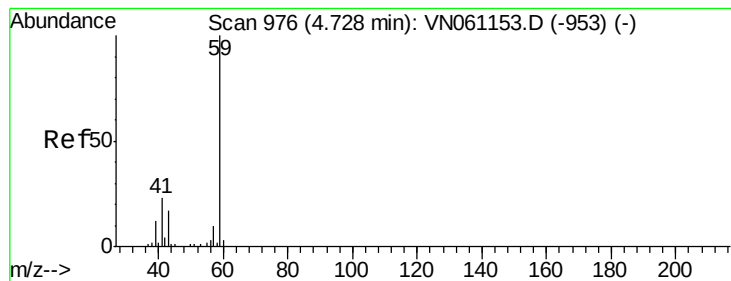
Delta R.T. -0.00 min

Lab File: VN061181.D

Acq: 29 Apr 2020 10:02

Tgt Ion:	142	Resp:	78397
Ion Ratio	Lower	Upper	
142	100		
127	47.5	38.0	57.0
141	14.2	11.7	17.5





#11

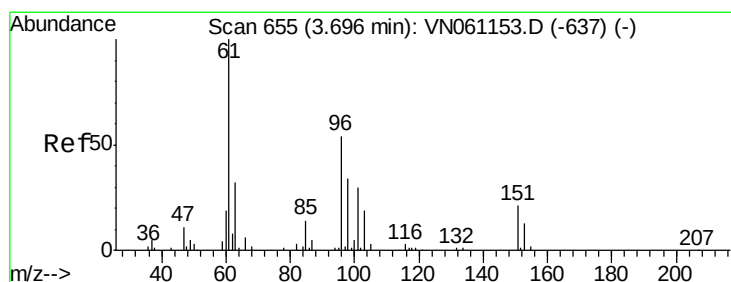
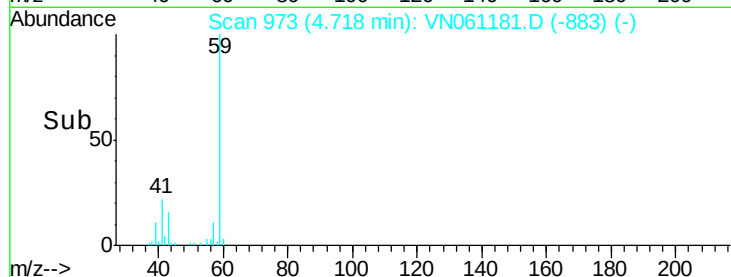
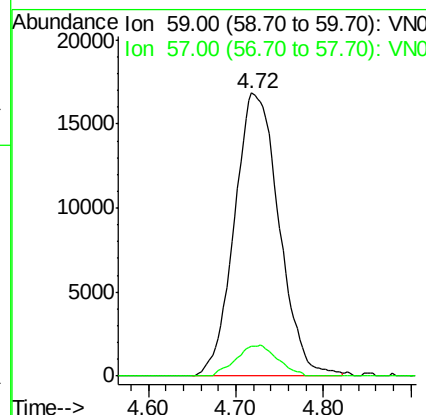
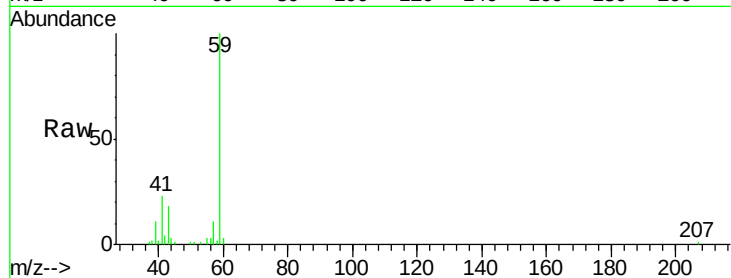
Tert butyl alcohol
Concen: 246.256 ug/l
RT: 4.72 min Scan# 973
Delta R.T. -0.01 min
Lab File: VN061181.D
Acq: 29 Apr 2020 10:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
59	100	59624		
57	10.1		8.3	12.5

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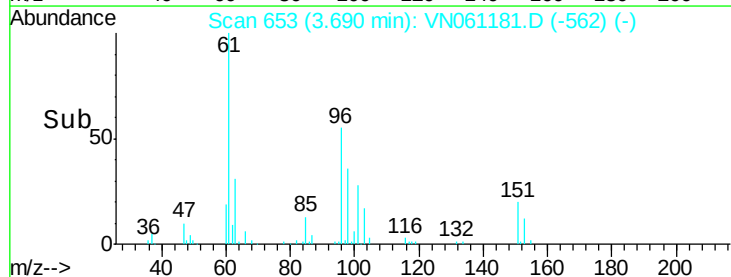
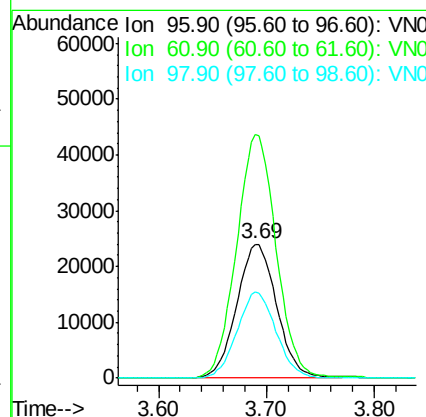
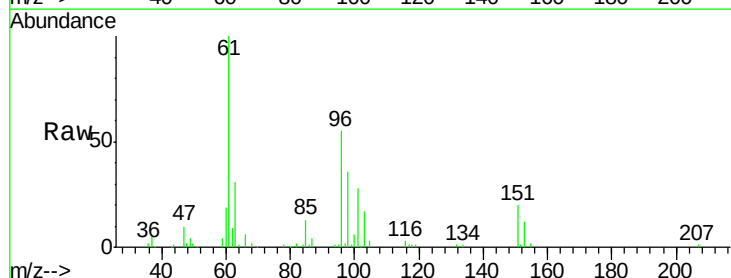
MMDadoda
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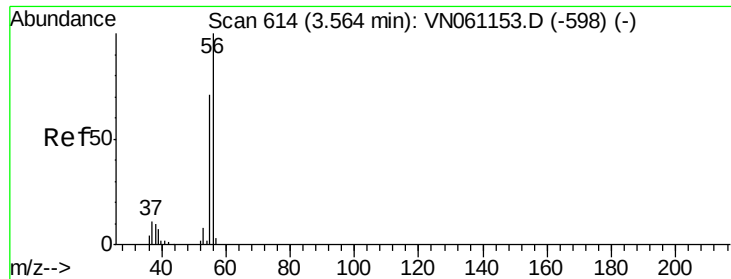


#12

1,1-Dichloroethene
Concen: 51.329 ug/l
RT: 3.69 min Scan# 653
Delta R.T. -0.01 min
Lab File: VN061181.D
Acq: 29 Apr 2020 10:02

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	61862		
61	181.6		147.0	220.6
98	64.6		49.8	74.6





#13

Acrolein

Concen: 247.317 ug/l

RT: 3.56 min Scan# 613

Delta R.T. -0.00 min

Lab File: VN061181.D

Acq: 29 Apr 2020 10:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 39905

Ion Ratio Lower Upper

56 100

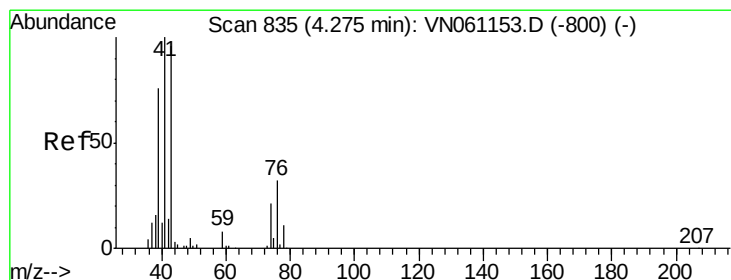
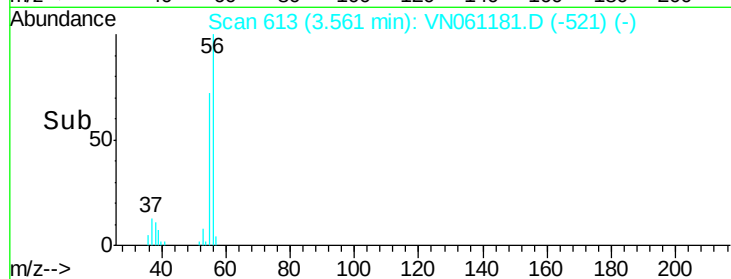
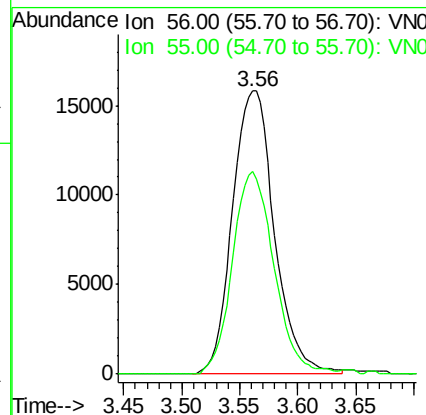
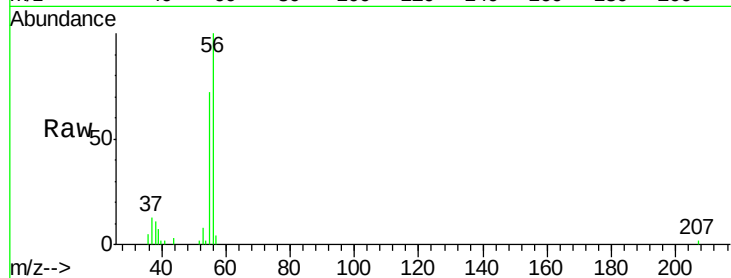
55 70.7 58.5 87.7

Manual Integrations

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#14

Allyl chloride

Concen: 56.539 ug/l

RT: 4.27 min Scan# 834

Delta R.T. -0.00 min

Lab File: VN061181.D

Acq: 29 Apr 2020 10:02

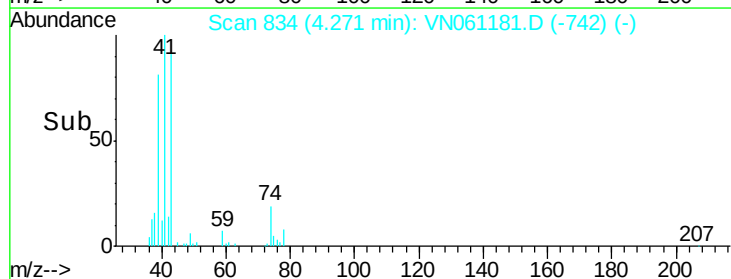
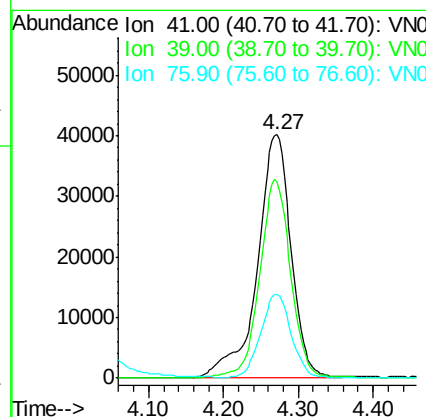
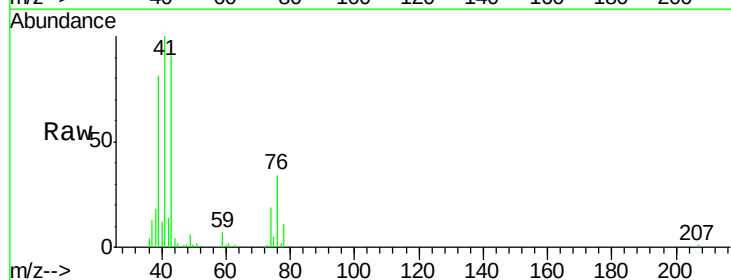
Tgt Ion: 41 Resp: 126347

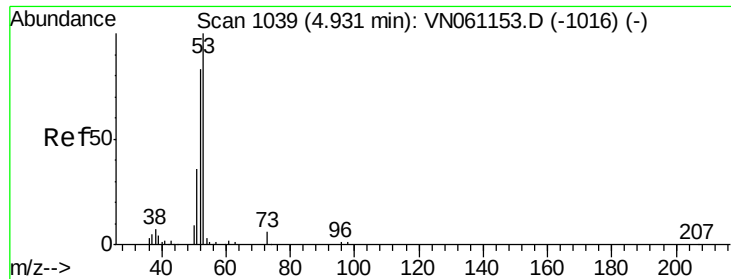
Ion Ratio Lower Upper

41 100

39 74.5 57.1 85.7

76 31.0 24.3 36.5





#15

Acrylonitrile

Concen: 250.846 ug/l

RT: 4.92 min Scan# 1037

Delta R.T. -0.01 min

Lab File: VN061181.D

Acq: 29 Apr 2020 10:02

Instrument :

MSVOA_N

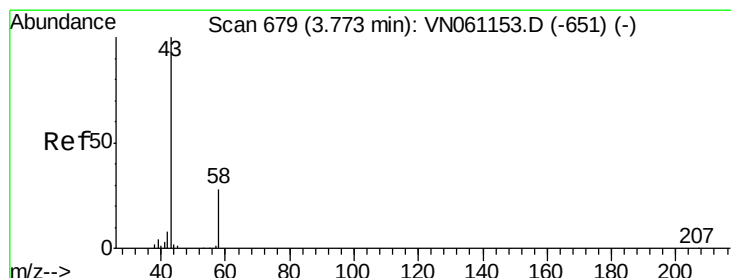
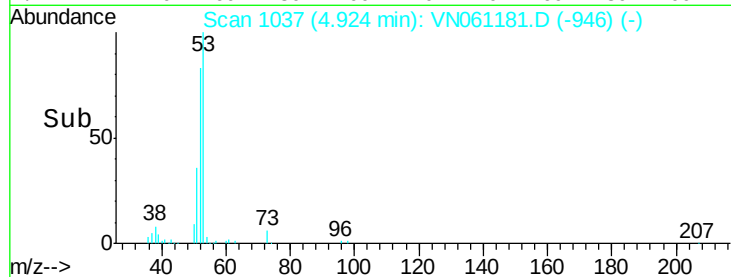
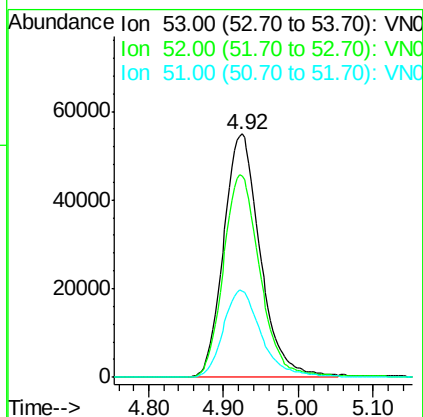
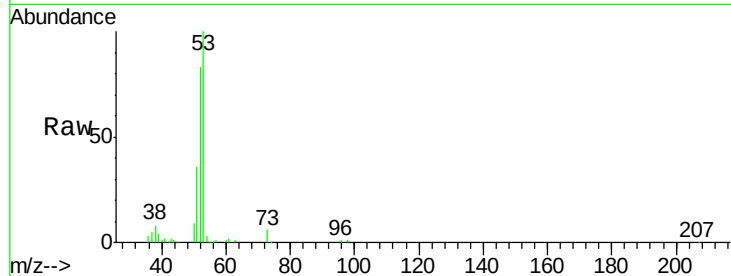
ClientSampled :

VSTDCCC050

Tot Ion:	53	Resp:	186442
Ion Ratio	Lower	Upper	
53	100		
52	83.5	65.4	98.0
51	37.4	29.5	44.3

Manual Integrations
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#16

Acetone

Concen: 225.461 ug/l

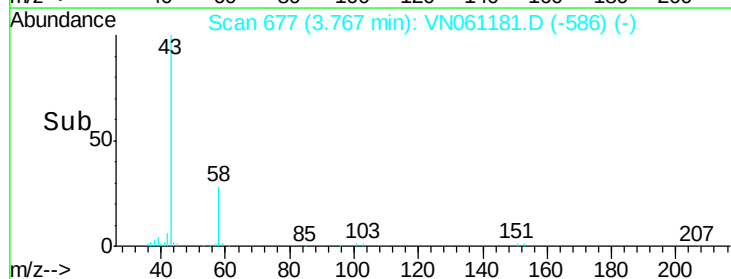
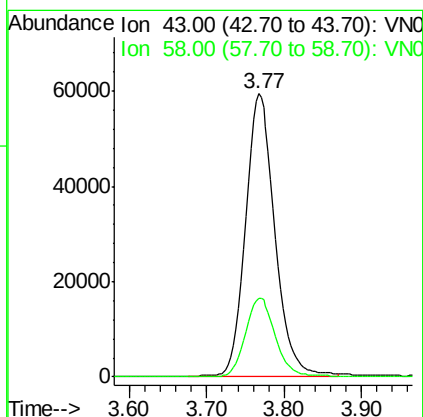
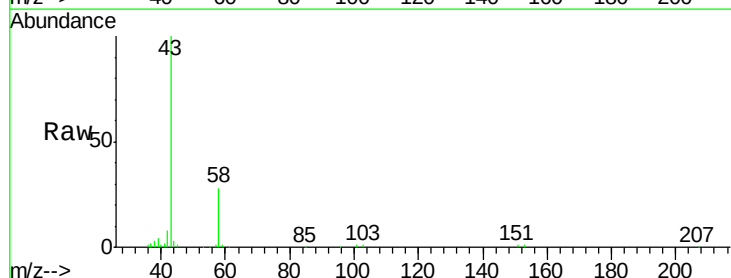
RT: 3.77 min Scan# 677

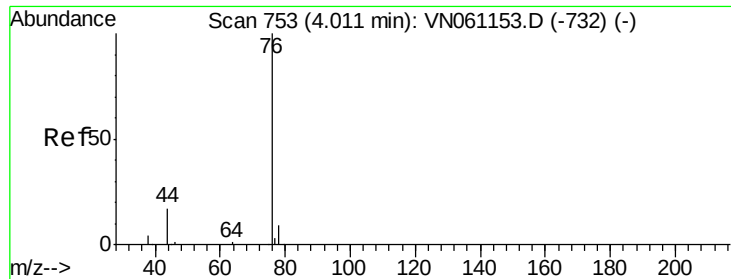
Delta R.T. -0.01 min

Lab File: VN061181.D

Acq: 29 Apr 2020 10:02

Tgt Ion:	43	Resp:	157983
Ion Ratio	Lower	Upper	
43	100		
58	27.9	22.2	33.2





#17

Carbon Disulfide

Concen: 50.907 ug/l

RT: 4.01 min Scan# 752

Delta R.T. -0.00 min

Lab File: VN061181.D

Acq: 29 Apr 2020 10:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 169479

Ion Ratio Lower Upper

76 100

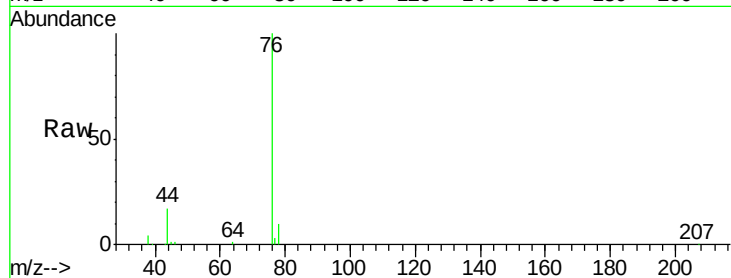
78 9.8 7.2 10.8

Manual Integrations

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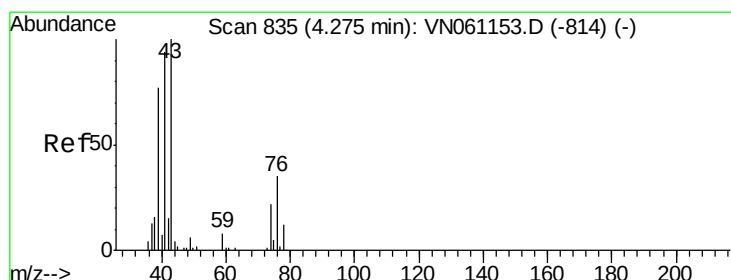
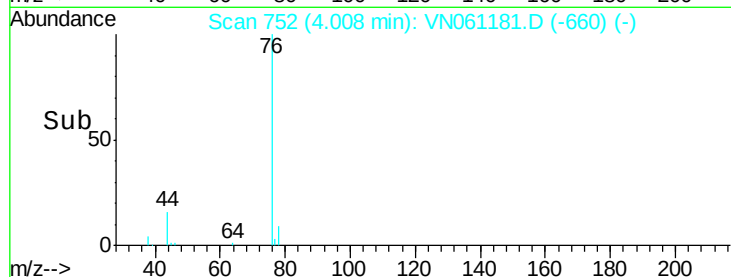
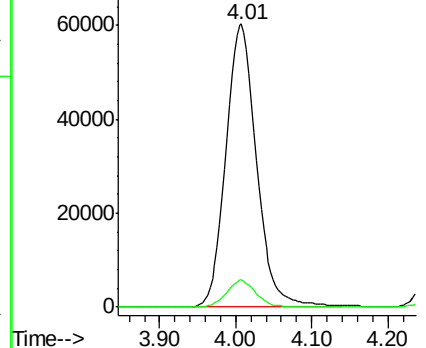
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Abundance Ion 75.90 (75.60 to 76.60): VNO

Ion 77.90 (77.60 to 78.60): VNO



#18

Methyl Acetate

Concen: 45.809 ug/l

RT: 4.27 min Scan# 833

Delta R.T. -0.01 min

Lab File: VN061181.D

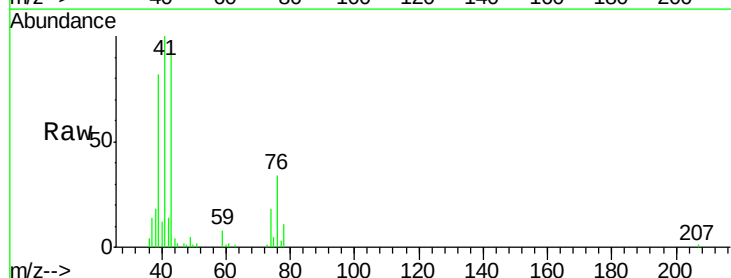
Acq: 29 Apr 2020 10:02

Tgt Ion: 43 Resp: 104386

Ion Ratio Lower Upper

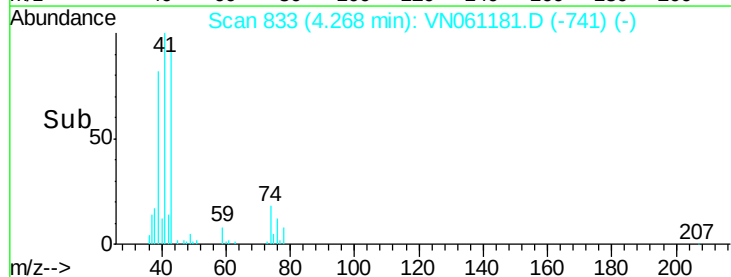
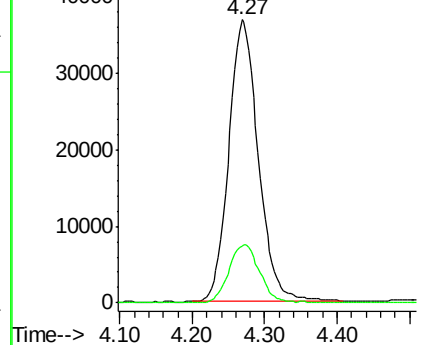
43 100

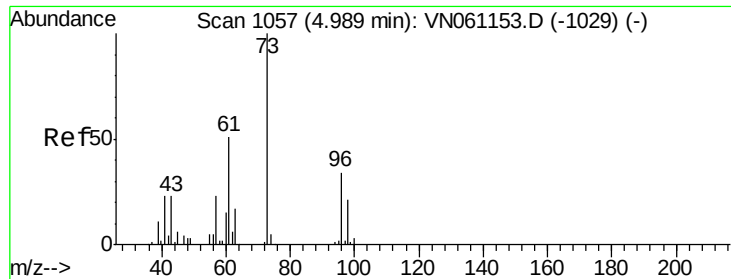
74 21.2 17.0 25.4



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 74.00 (73.70 to 74.70): VNO





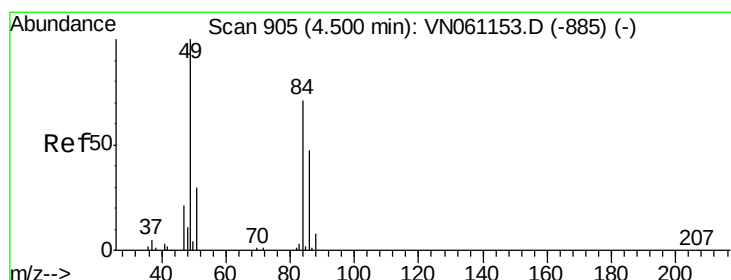
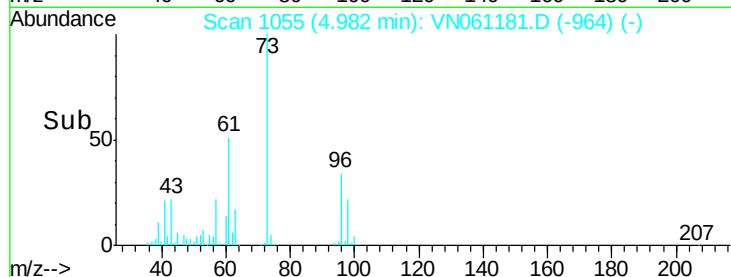
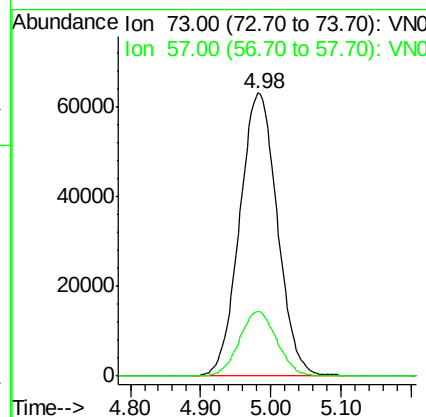
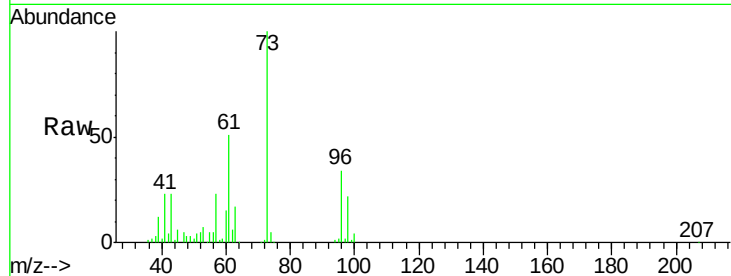
#19
Methvl tert-butvl Ether
Concen: 51.091 ug/l
RT: 4.98 min Scan# 1055
Delta R.T. -0.01 min
Lab File: VN061181.D
Acq: 29 Apr 2020 10:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 235286
Ion Ratio Lower Upper
73 100
57 23.0 18.3 27.5

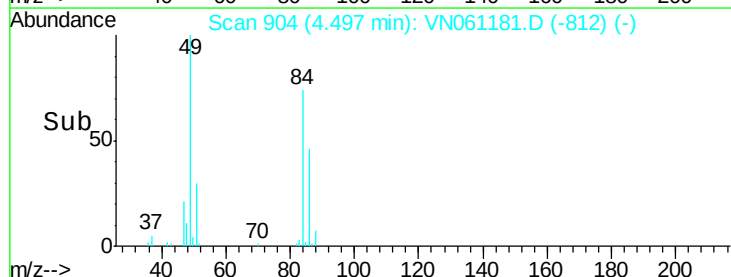
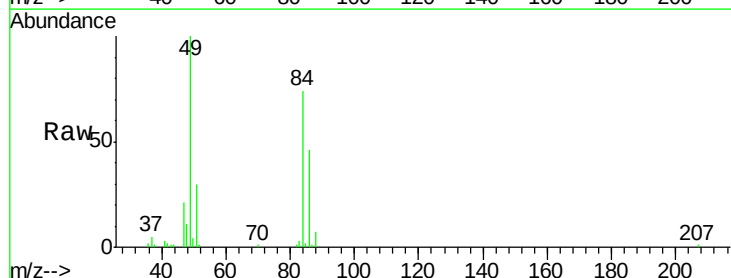
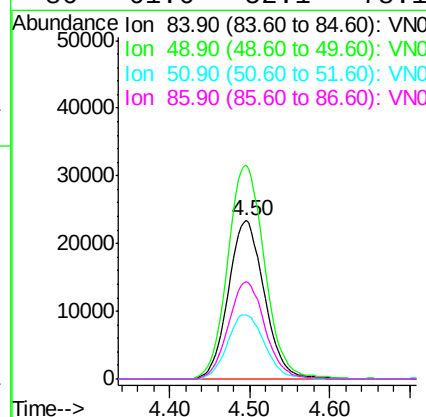
Manual Integrations
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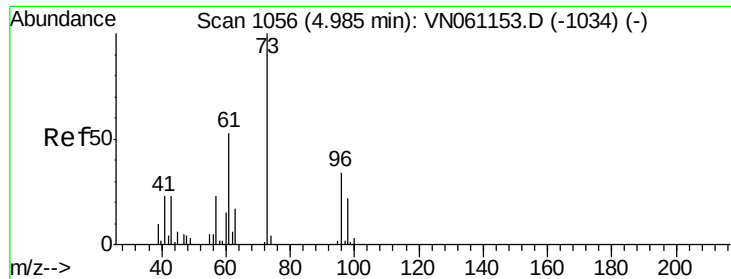
MMDadoda
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#20
Methylene Chloride
Concen: 50.971 ug/l
RT: 4.50 min Scan# 904
Delta R.T. -0.00 min
Lab File: VN061181.D
Acq: 29 Apr 2020 10:02

Tgt Ion: 84 Resp: 71838
Ion Ratio Lower Upper
84 100
49 135.0 112.0 168.0
51 40.4 33.6 50.4
86 61.6 52.1 78.1





#21

trans-1,2-Dichloroethene

Concen: 52.805 ug/l

RT: 4.98 min Scan# 1055

Delta R.T. -0.00 min

Lab File: VN061181.D

Acq: 29 Apr 2020 10:02

Instrument :

MSVOA_N

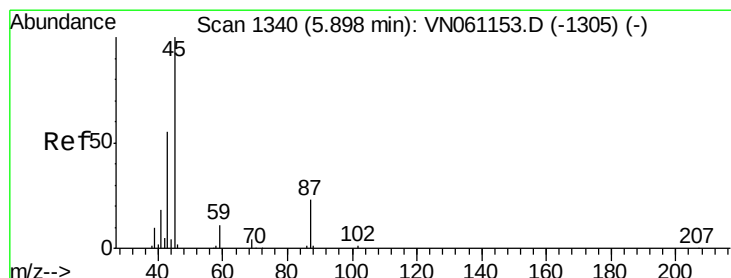
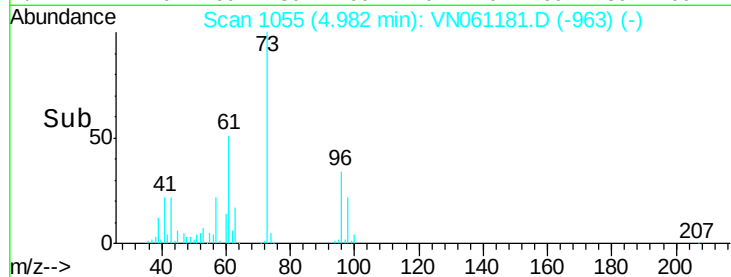
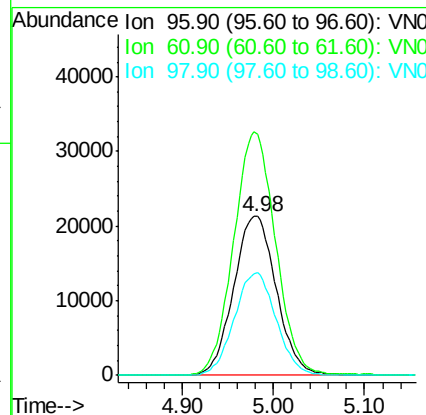
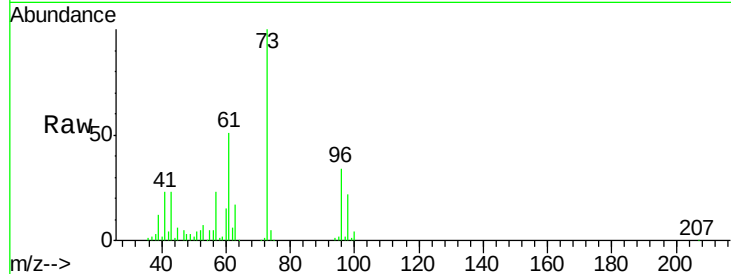
ClientSampled :

VSTDCCC050

Tot Ion:	96	Resp:	69299
Ion	Ratio	Lower	Upper
96	100		
61	150.7	123.0	184.4
98	64.9	50.1	75.1

Manual Integrations
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#22

Diisopropyl ether

Concen: 52.339 ug/l

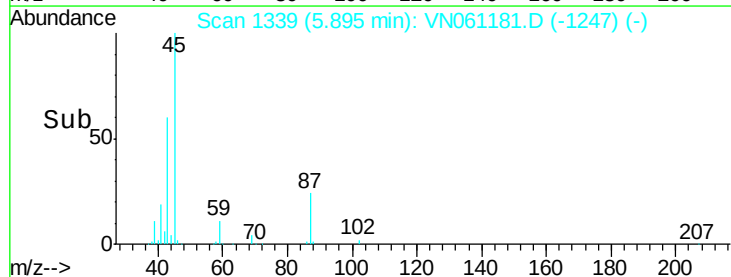
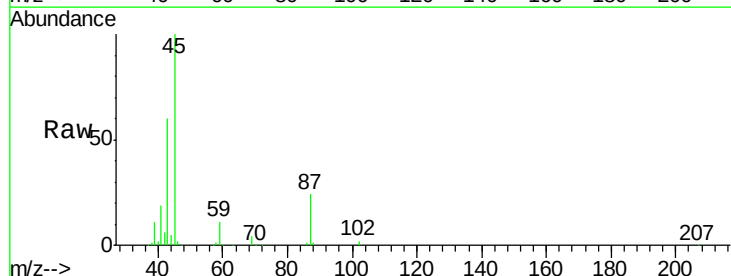
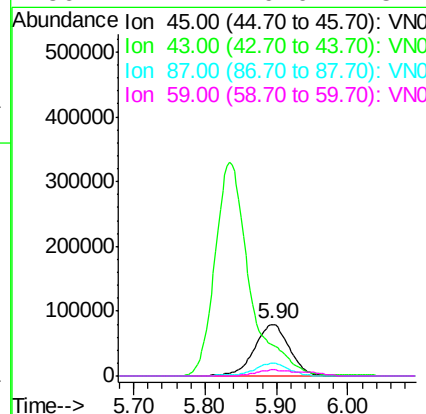
RT: 5.90 min Scan# 1339

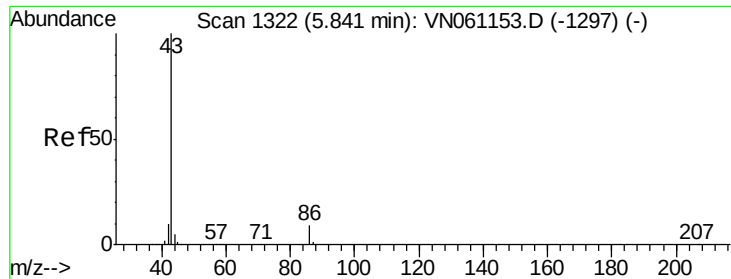
Delta R.T. -0.00 min

Lab File: VN061181.D

Acq: 29 Apr 2020 10:02

Tgt Ion:	45	Resp:	271224
Ion	Ratio	Lower	Upper
45	100		
43	58.4	47.9	71.9
87	23.8	19.2	28.8
59	11.2	9.0	13.4





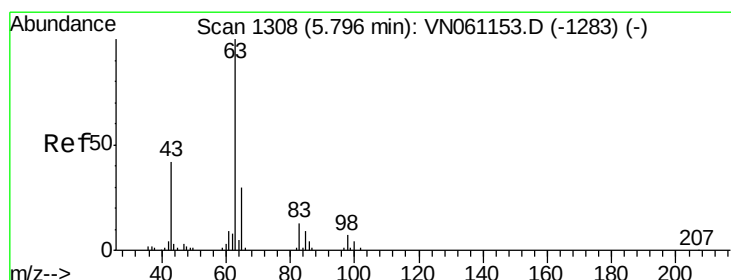
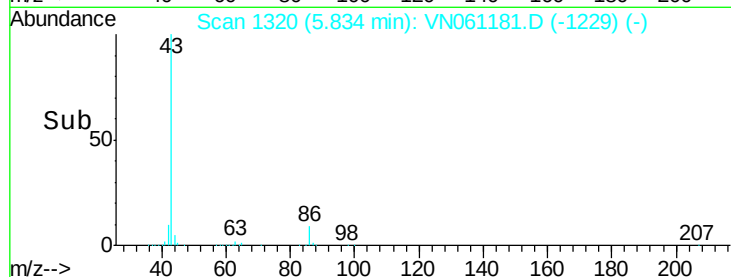
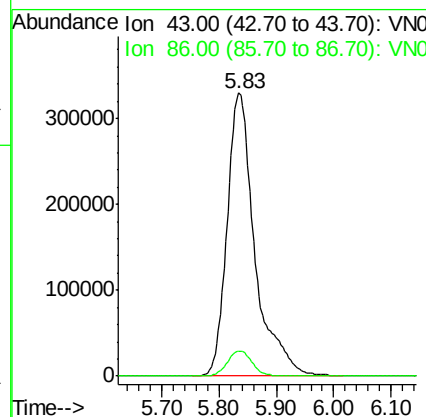
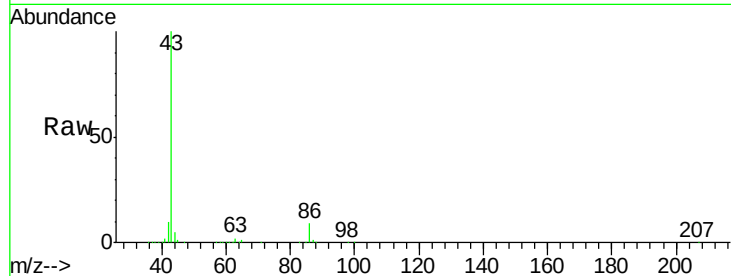
#23
 Vinyl Acetate
 Concen: 266.958 ug/l
 RT: 5.83 min Scan# 1320
 Delta R.T. -0.01 min
 Lab File: VN061181.D
 Acq: 29 Apr 2020 10:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 43 Resp: 1113873
 Ion Ratio Lower Upper
 43 100
 86 8.8 7.2 10.8

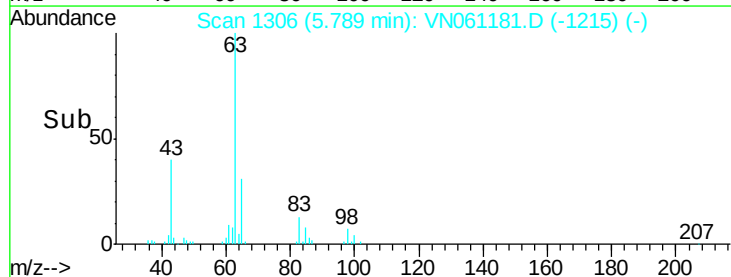
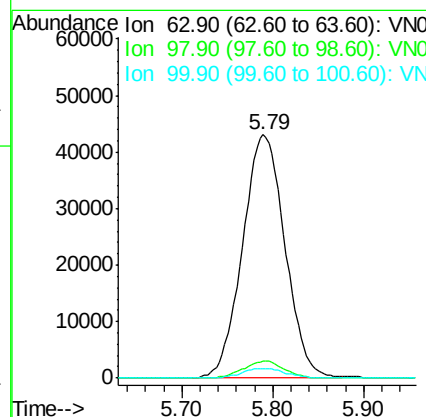
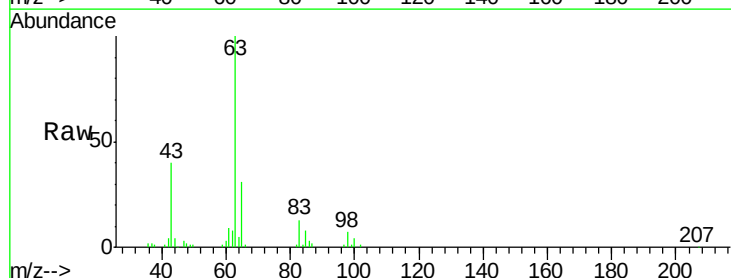
Manual Integrations
 APPROVED

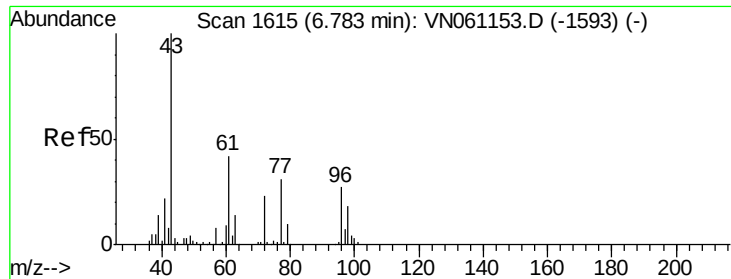
MMDadoda
 4/30/2020 2:11:12 PM



#24
 1,1-Dichloroethane
 Concen: 51.445 ug/l
 RT: 5.79 min Scan# 1306
 Delta R.T. -0.01 min
 Lab File: VN061181.D
 Acq: 29 Apr 2020 10:02

Tgt Ion: 63 Resp: 139289
 Ion Ratio Lower Upper
 63 100
 98 7.1 3.3 9.9
 100 3.8 1.9 5.7





#25

2-Butanone

Concen: 249.501 ug/l

RT: 6.78 min Scan# 1613

Delta R.T. -0.01 min

Lab File: VN061181.D

Acq: 29 Apr 2020 10:02

Tot Ion: 43 Resp: 266848

Ion Ratio Lower Upper

43 100

72 23.4 18.2 27.4

Instrument :

MSVOA_N

ClientSampleId :

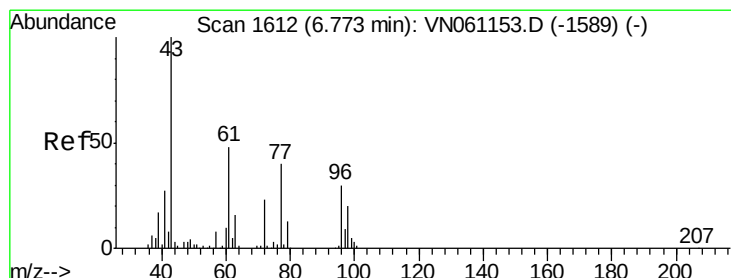
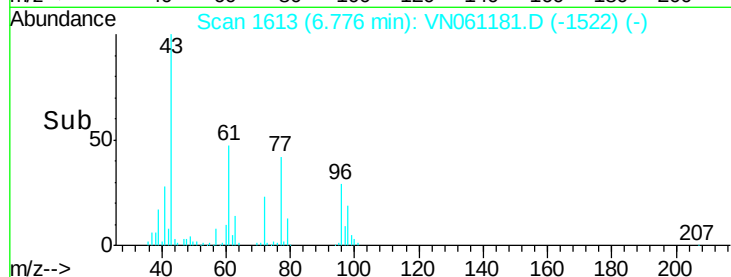
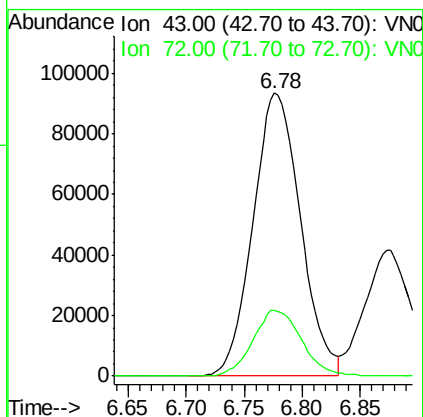
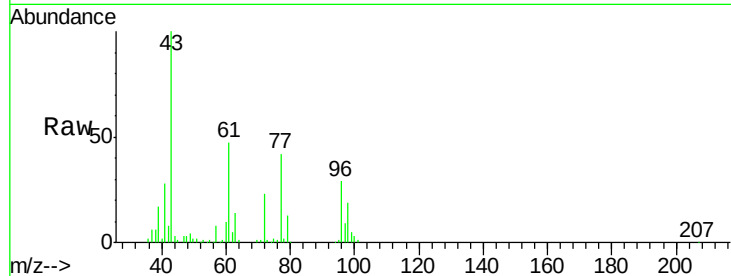
VSTDCCC050

Manual Integrations

APPROVED

MMDadoda

4/30/2020 2:11:12 PM



#26

2,2-Dichloropropane

Concen: 56.558 ug/l

RT: 6.77 min Scan# 1611

Delta R.T. -0.00 min

Lab File: VN061181.D

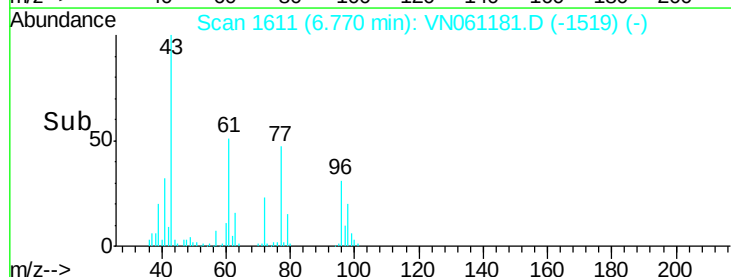
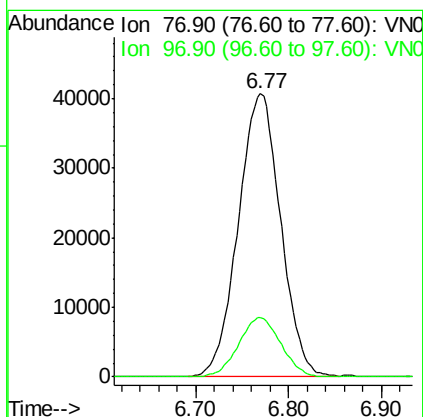
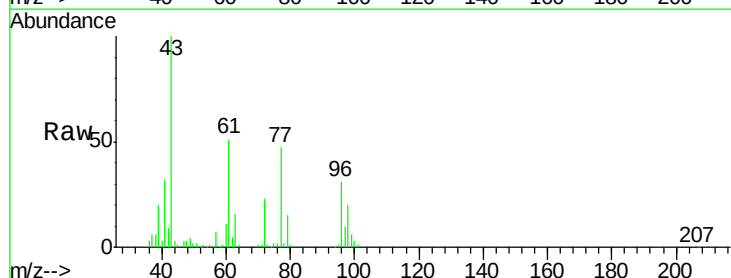
Acq: 29 Apr 2020 10:02

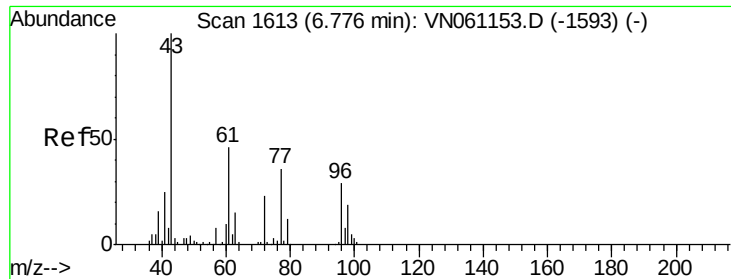
Tgt Ion: 77 Resp: 128981

Ion Ratio Lower Upper

77 100

97 20.9 10.5 31.5





#27

cis-1,2-Dichloroethene

Concen: 52.314 ug/l

RT: 6.77 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VN061181.D

Acq: 29 Apr 2020 10:02

Instrument :

MSVOA_N

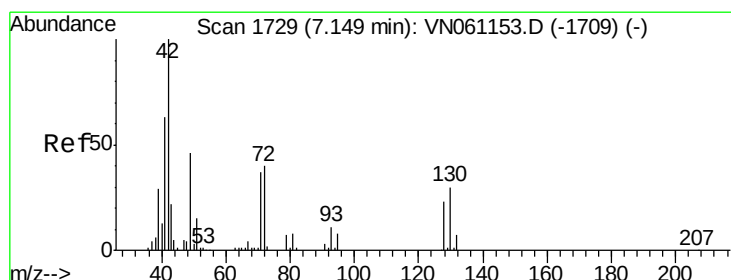
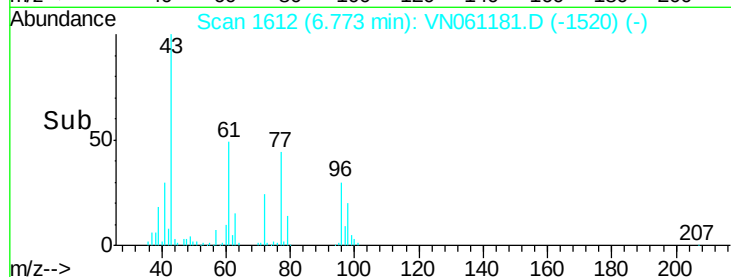
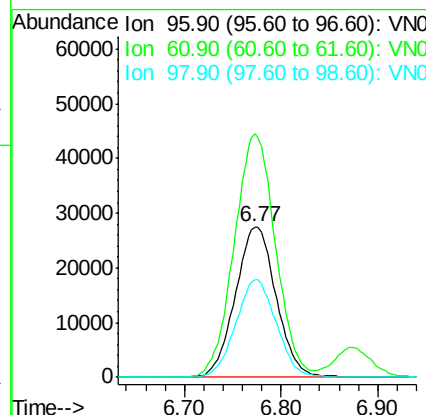
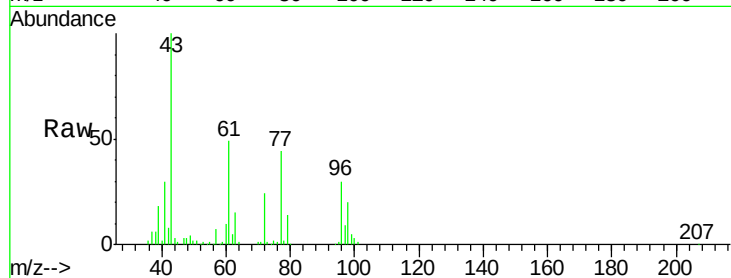
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	80567
Ion	Ratio	Lower	Upper
96	100		
61	163.4	0.0	322.0
98	64.6	0.0	129.6

Manual Integrations
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#28

Bromochloromethane

Concen: 51.947 ug/l

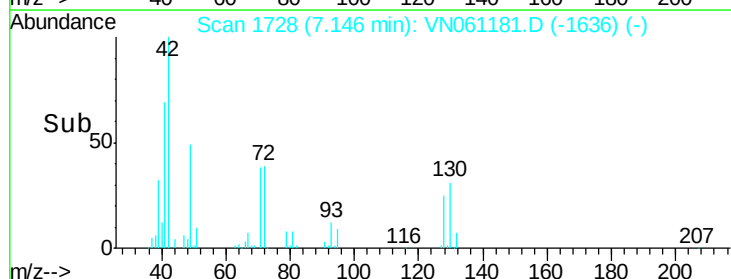
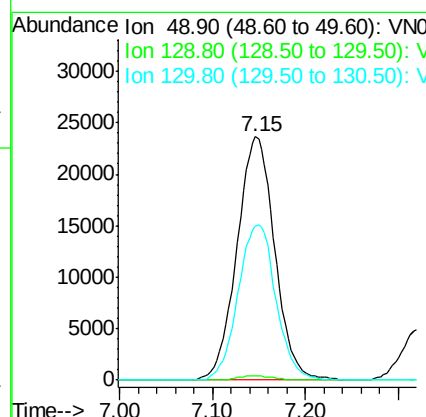
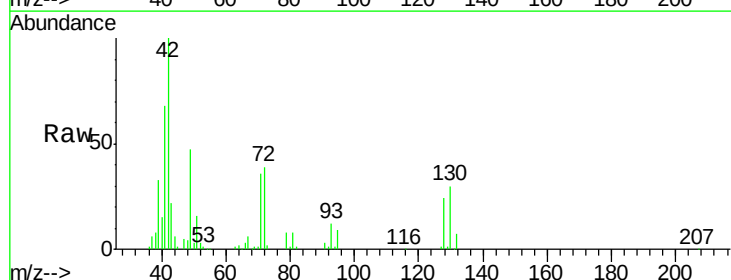
RT: 7.15 min Scan# 1728

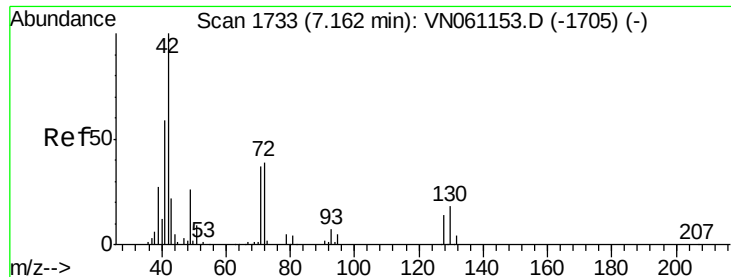
Delta R.T. -0.00 min

Lab File: VN061181.D

Acq: 29 Apr 2020 10:02

Tgt Ion:	49	Resp:	66663
Ion	Ratio	Lower	Upper
49	100		
129	1.6	0.0	3.0
130	63.7	51.4	77.2





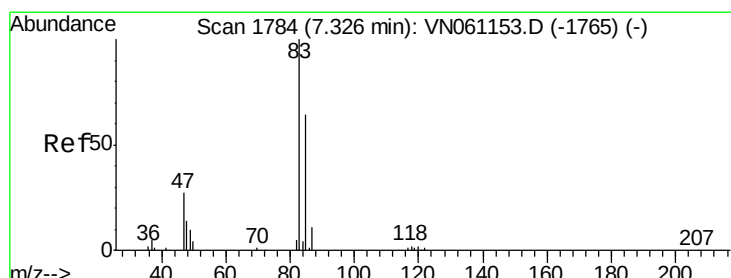
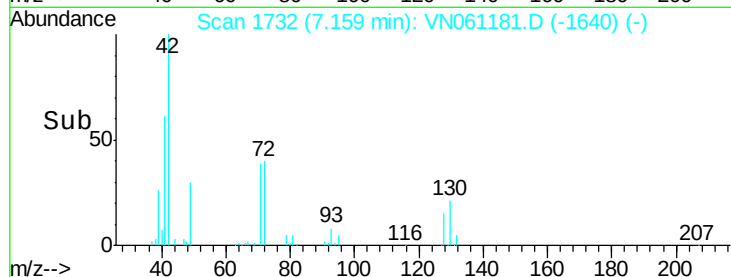
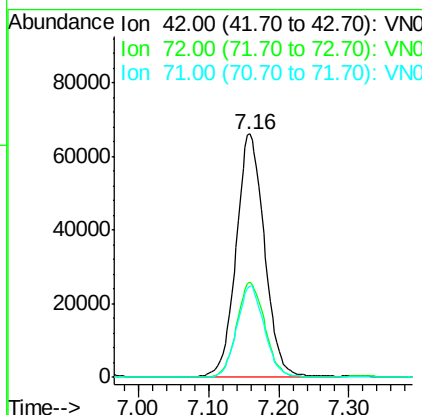
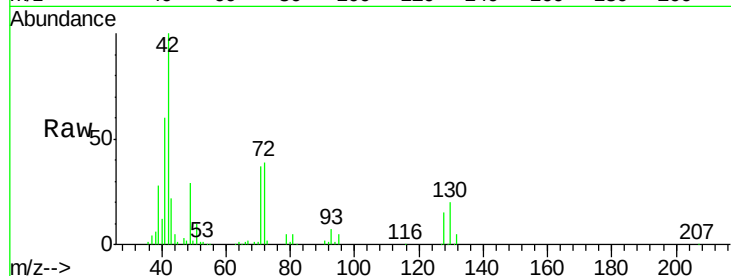
#29
Tetrahydrofuran
Concen: 258.211 ug/l
RT: 7.16 min Scan# 1732
Delta R.T. -0.00 min
Lab File: VN061181.D
Acq: 29 Apr 2020 10:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	38.5	31.4	47.0
71	36.3	29.5	44.3

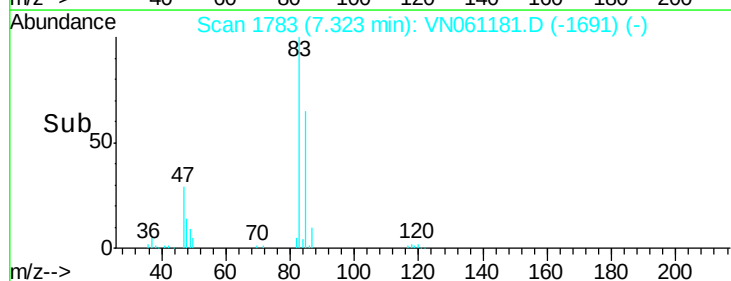
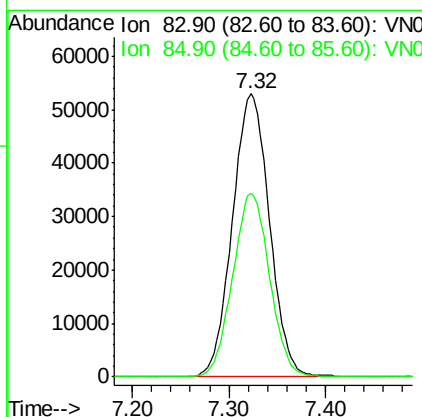
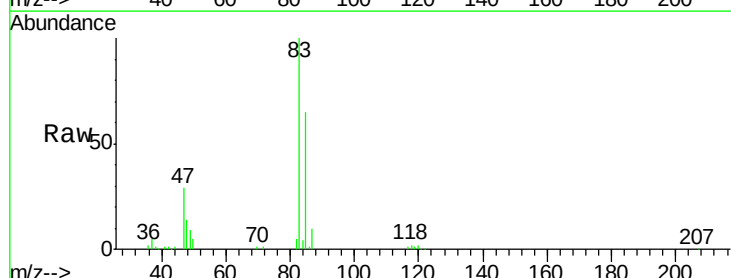
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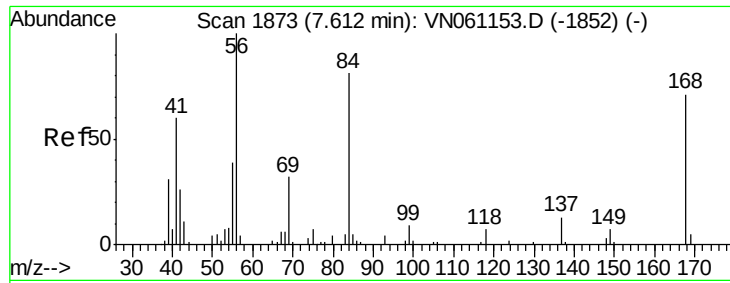
MMDadoda
4/30/2020 2:11:12 PM



#30
Chloroform
Concen: 51.330 ug/l
RT: 7.32 min Scan# 1783
Delta R.T. -0.00 min
Lab File: VN061181.D
Acq: 29 Apr 2020 10:02

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.8	51.1	76.7





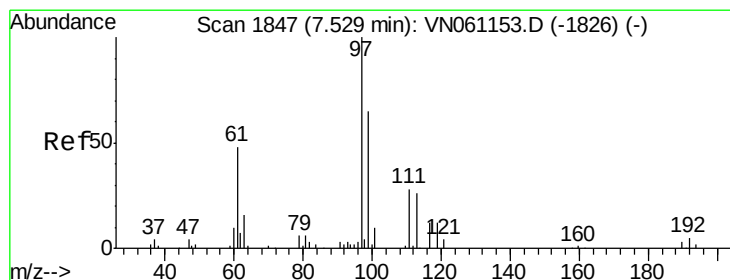
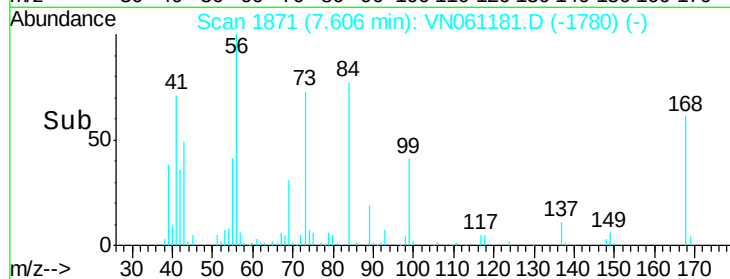
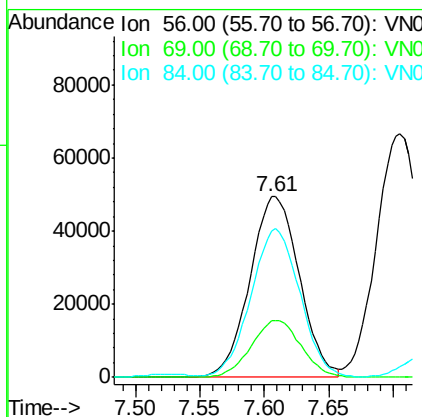
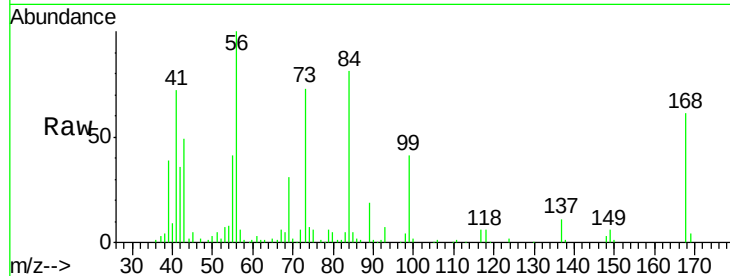
#31
Cyclohexane
Concen: 50.263 ug/l
RT: 7.61 min Scan# 1871
Delta R.T. -0.01 min
Lab File: VN061181.D
Acq: 29 Apr 2020 10:02

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	31.2	25.7	38.5
84	80.0	64.6	97.0

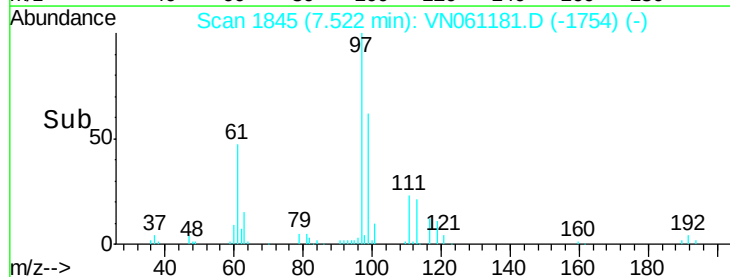
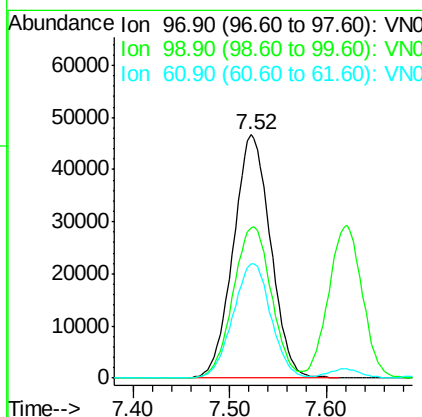
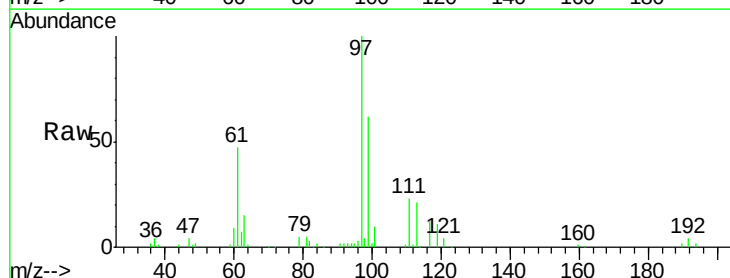
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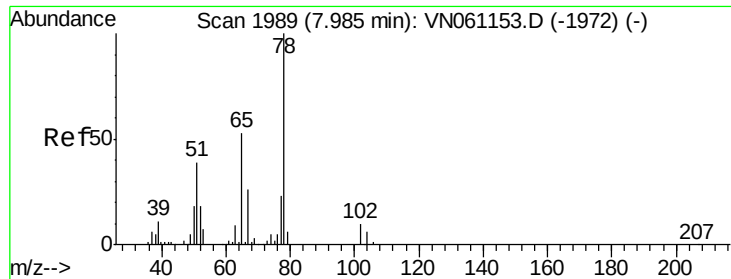
MMDadoda
4/30/2020 2:11:12 PM



#32
1,1,1-Trichloroethane
Concen: 52.294 ug/l
RT: 7.52 min Scan# 1845
Delta R.T. -0.01 min
Lab File: VN061181.D
Acq: 29 Apr 2020 10:02

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.8	51.3	76.9
61	48.0	38.6	57.8





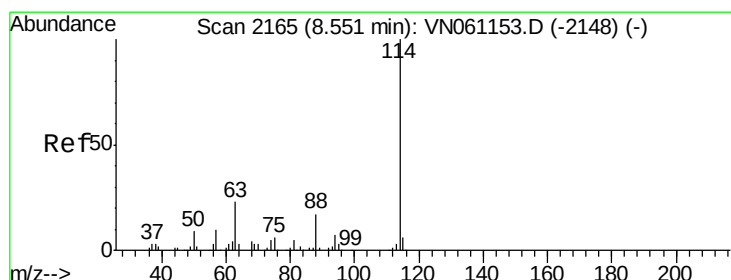
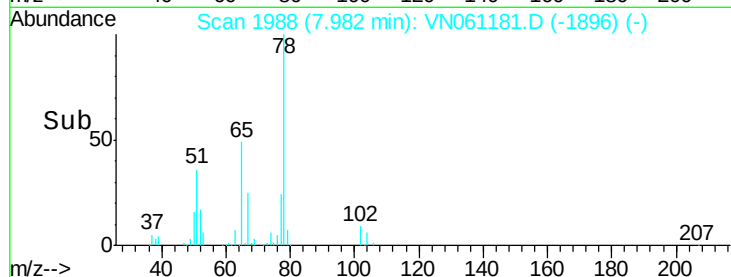
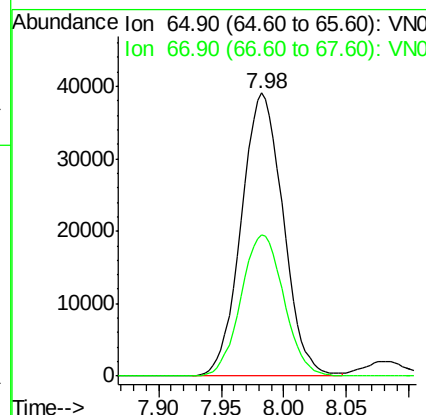
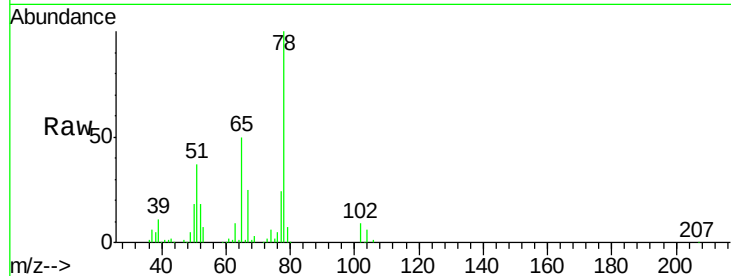
#33
 1,2-Dichloroethane-d4
 Concen: 50.195 ug/l
 RT: 7.98 min Scan# 1988
 Delta R.T. -0.00 min
 Lab File: VN061181.D
 Acq: 29 Apr 2020 10:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
65	100		
67	51.0	0.0	101.6

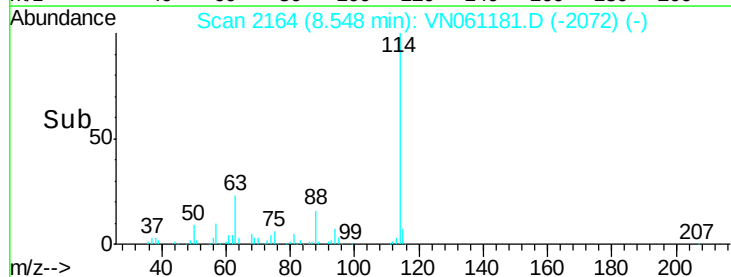
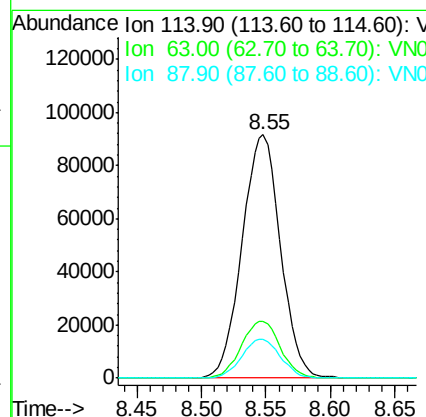
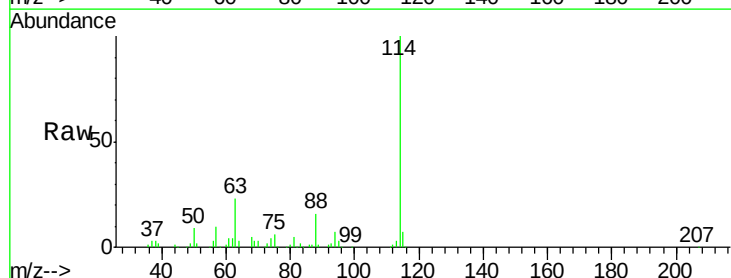
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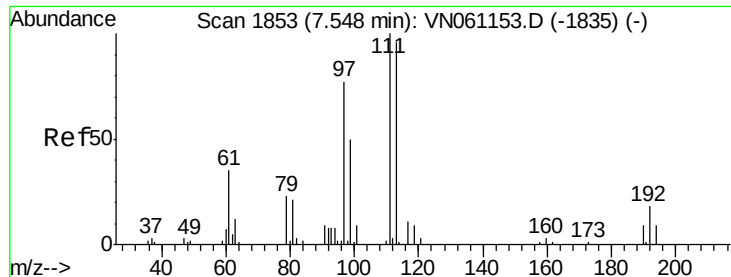
MMDadoda
 4/30/2020 2:11:12 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2164
 Delta R.T. -0.00 min
 Lab File: VN061181.D
 Acq: 29 Apr 2020 10:02

Tgt Ion	Ratio	Lower	Upper
114	100		
63	23.3	0.0	46.6
88	15.8	0.0	33.4





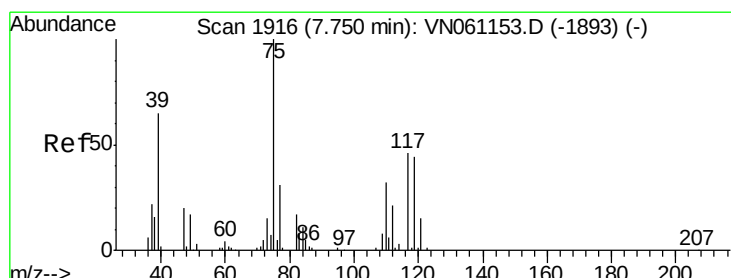
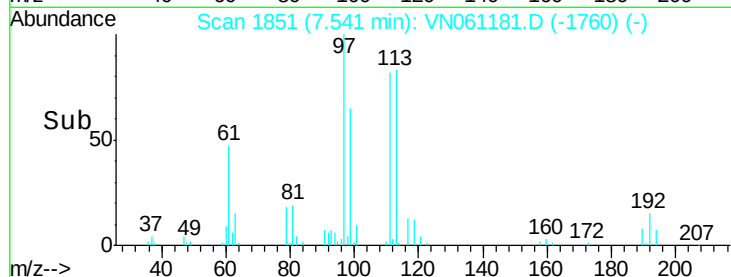
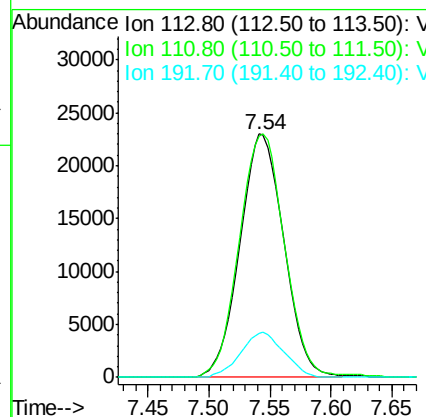
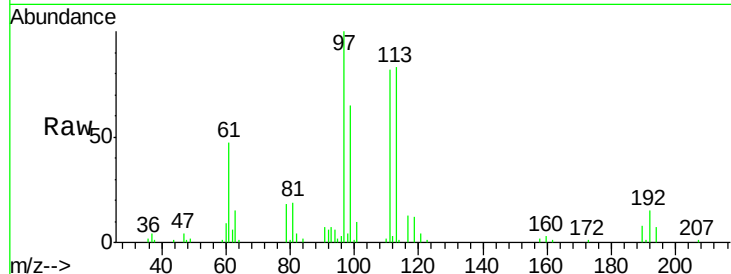
#35
 Dibromofluoromethane
 Concen: 51.111 ug/l
 RT: 7.54 min Scan# 1851
 Delta R.T. -0.01 min
 Lab File: VN061181.D
 Acq: 29 Apr 2020 10:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.8	82.9	124.3
192	18.1	14.7	22.1

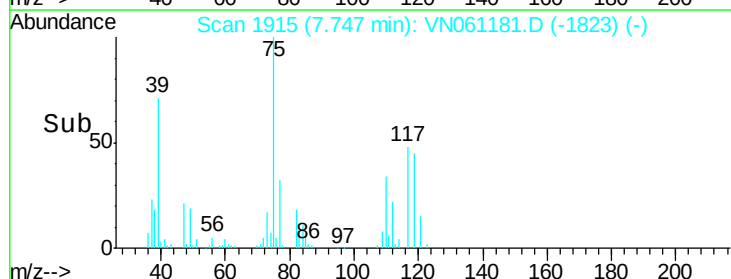
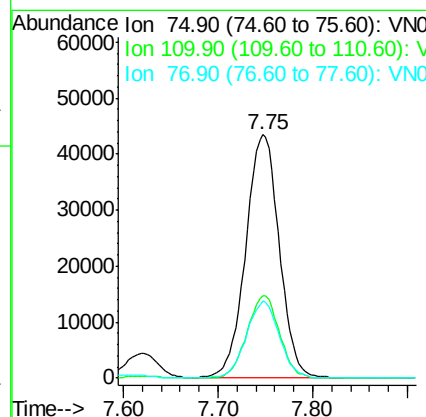
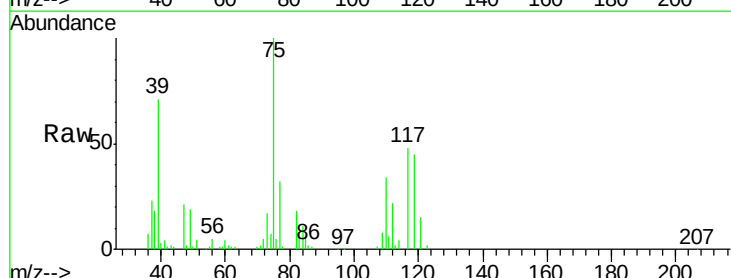
Manual Integrations
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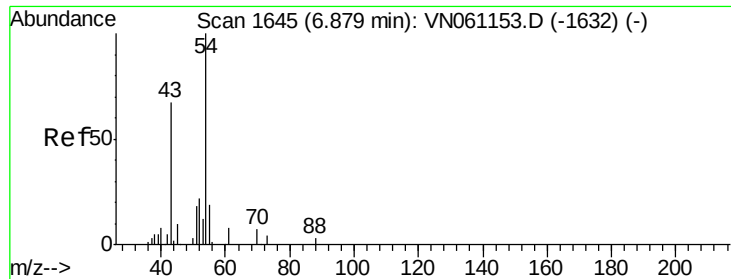
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 4/30/2020 2:11:12 PM



#36
 1,1-Dichloropropene
 Concen: 56.451 ug/l
 RT: 7.75 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VN061181.D
 Acq: 29 Apr 2020 10:02

Tgt Ion	Ratio	Lower	Upper
75	100		
110	32.8	16.0	48.0
77	31.1	24.6	37.0





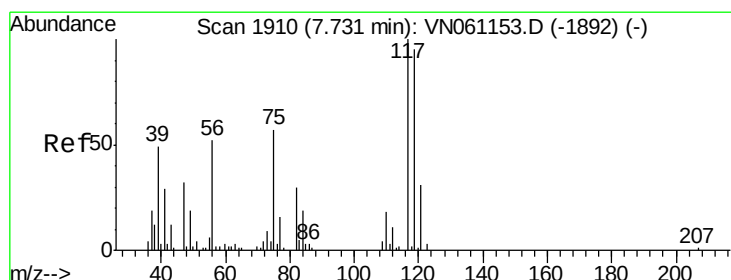
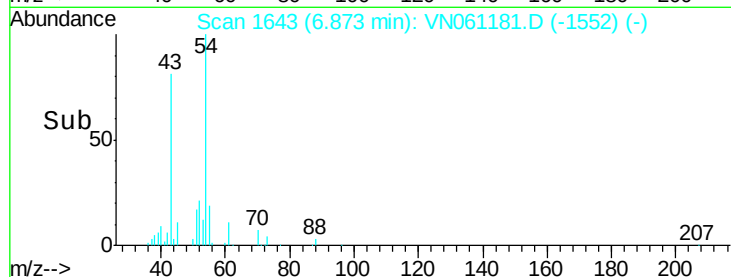
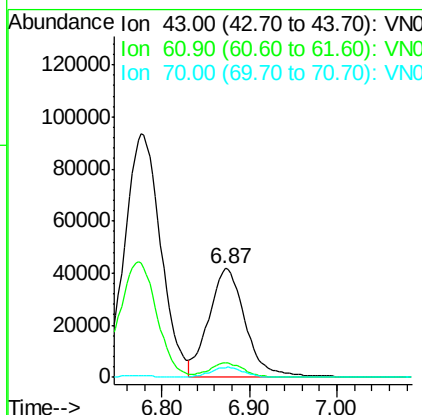
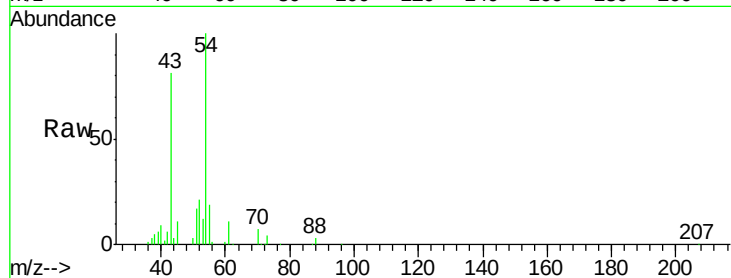
#37
Ethyl Acetate
Concen: 53.745 ug/l
RT: 6.87 min Scan# 1643
Delta R.T. -0.01 min
Lab File: VN061181.D
Acq: 29 Apr 2020 10:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	43	61	70
Resp	119657		
Ratio	100	12.7	8.7
Lower		10.2	7.2
Upper		15.2	10.8

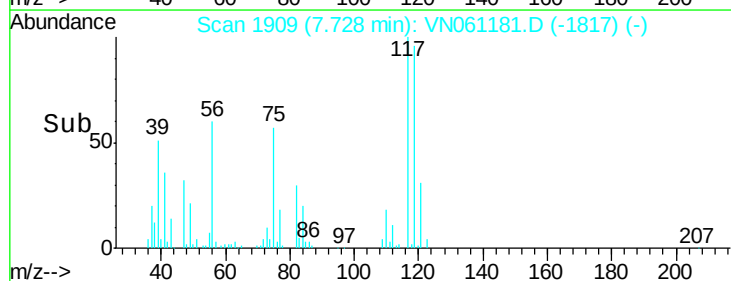
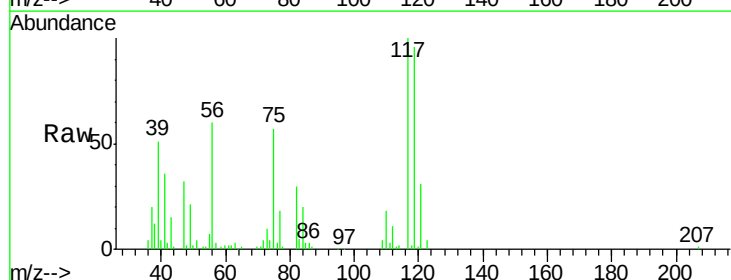
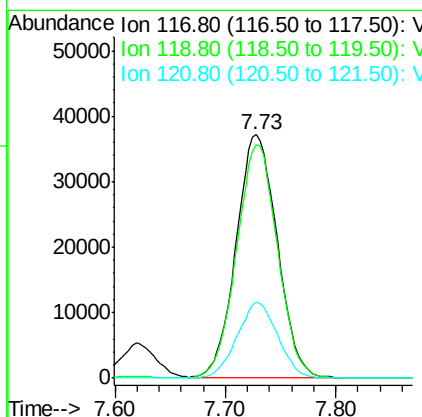
Manual Integrations
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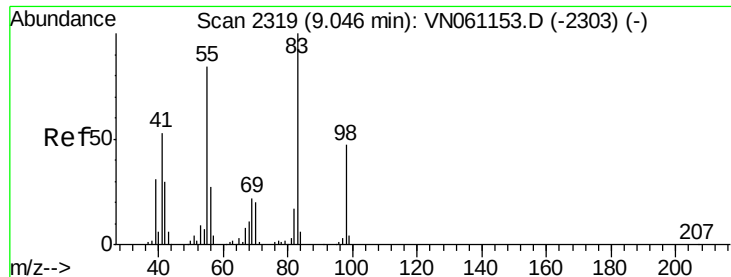
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#38
Carbon Tetrachloride
Concen: 55.280 ug/l
RT: 7.73 min Scan# 1909
Delta R.T. -0.00 min
Lab File: VN061181.D
Acq: 29 Apr 2020 10:02

Tgt Ion	117	119	121
Resp	96223		
Ratio	100	95.8	31.0
Lower		75.8	24.7
Upper		113.6	37.1





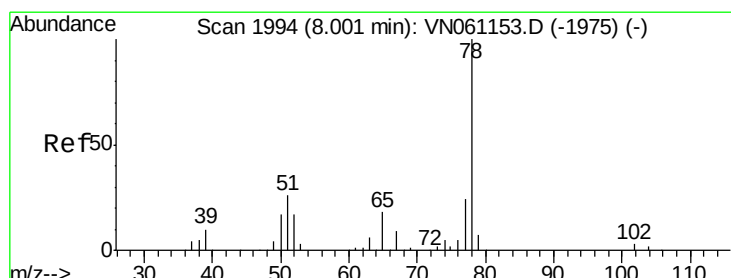
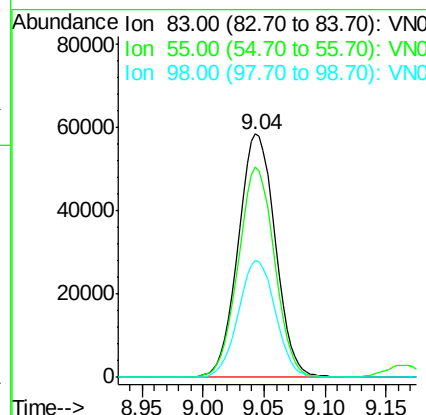
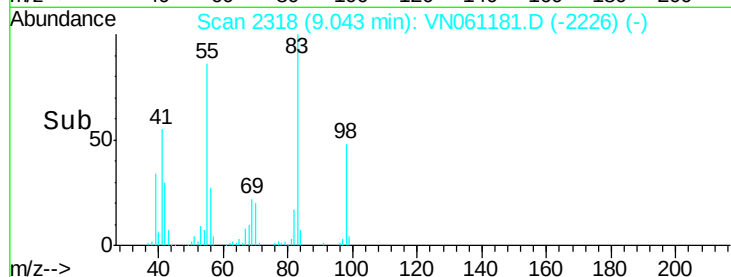
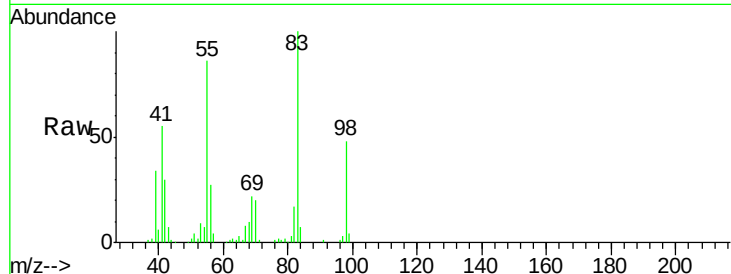
#39
Methylvlcyclohexane
Concen: 57.786 ug/l
RT: 9.04 min Scan# 2318
Delta R.T. -0.00 min
Lab File: VN061181.D
Acq: 29 Apr 2020 10:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	86.3	67.3	100.9	
98	47.8	37.7	56.5	

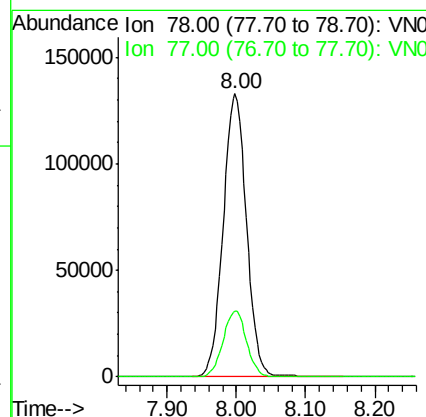
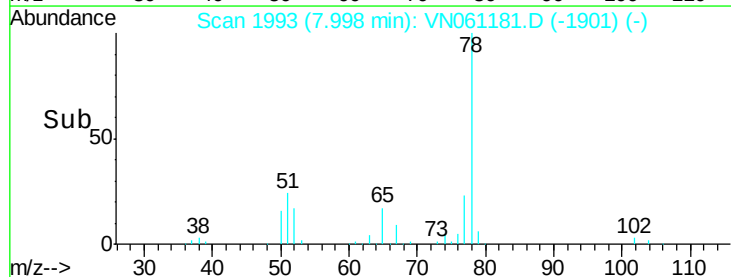
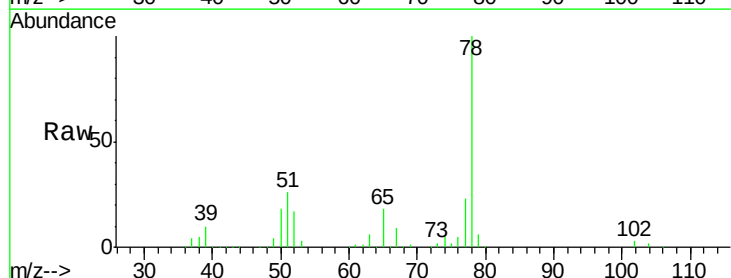
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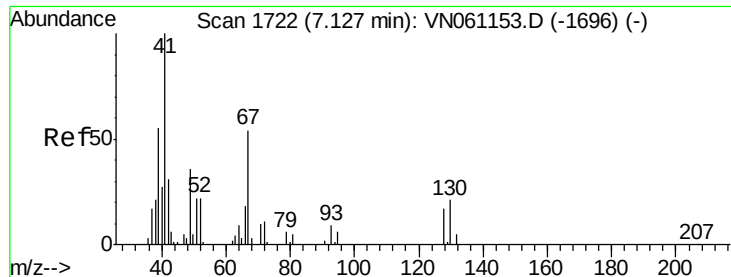
MMDadoda
4/30/2020 2:11:12 PM



#40
Benzene
Concen: 55.042 ug/l
RT: 8.00 min Scan# 1993
Delta R.T. -0.00 min
Lab File: VN061181.D
Acq: 29 Apr 2020 10:02

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	23.5	19.0	28.6	





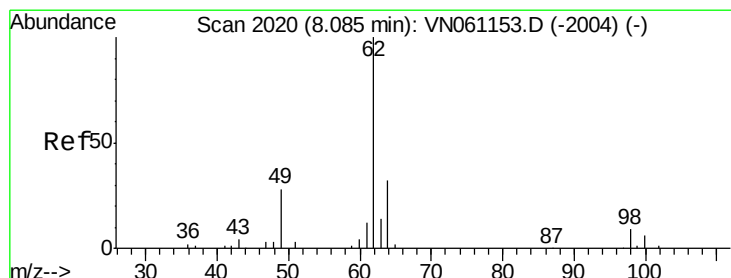
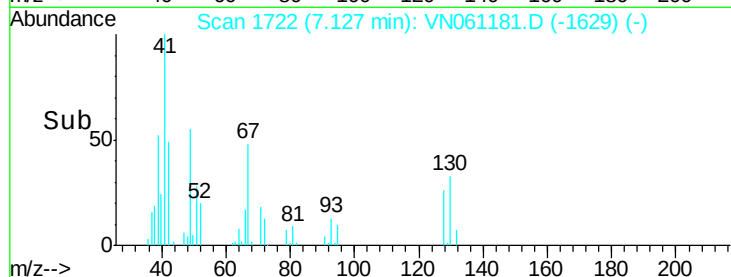
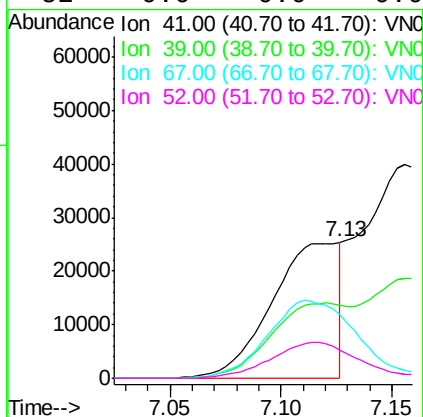
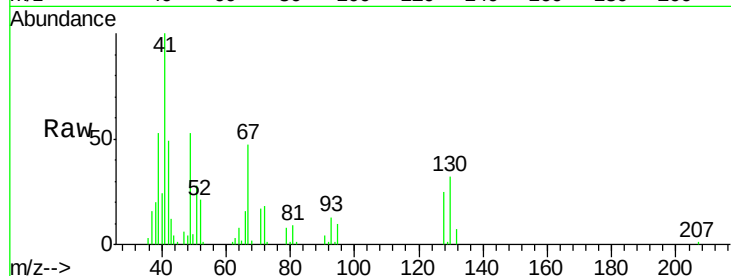
#41
Methacrylonitrile
Concen: 58.533 ug/l m
RT: 7.13 min Scan# 1722
Delta R.T. 0.00 min
Lab File: VN061181.D
Acq: 29 Apr 2020 10:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	41	Resp	54107
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

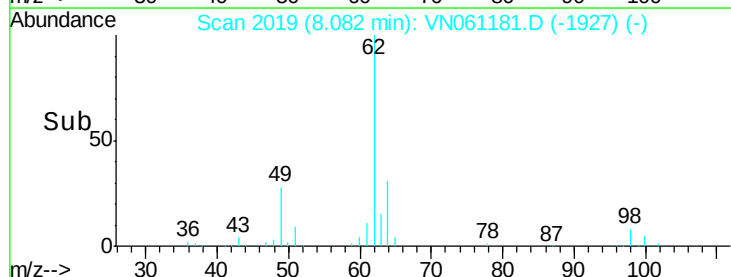
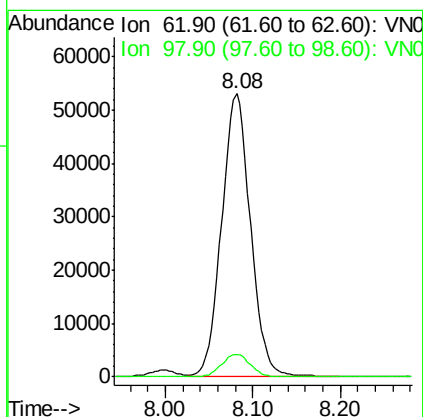
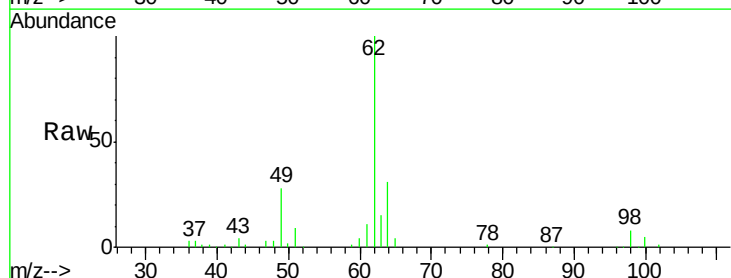
Manual Integrations
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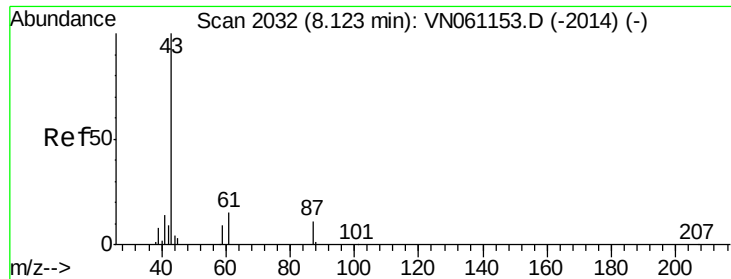
MMDadoda
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#42
1,2-Dichloroethane
Concen: 56.704 ug/l
RT: 8.08 min Scan# 2019
Delta R.T. -0.00 min
Lab File: VN061181.D
Acq: 29 Apr 2020 10:02

Tgt Ion	62	Resp	121540
Ion	Ratio	Lower	Upper
62	100		
98	7.9	0.0	16.8





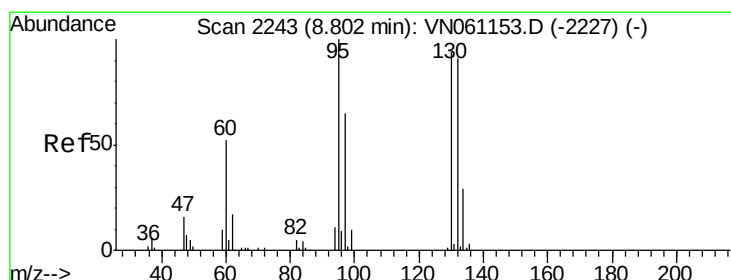
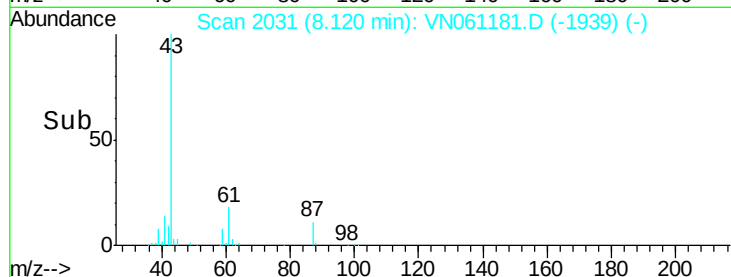
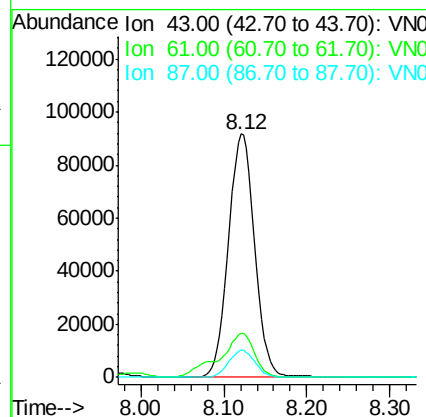
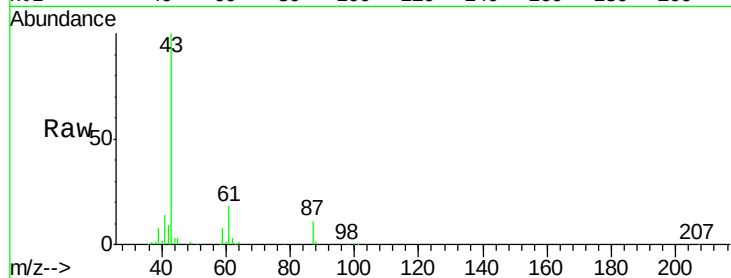
#43
Isopropyl Acetate
Concen: 54.647 ug/l
RT: 8.12 min Scan# 2031
Delta R.T. -0.00 min
Lab File: VN061181.D
Acq: 29 Apr 2020 10:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
43	100	201918		
61	24.1		19.5	29.3
87	11.1		8.9	13.3

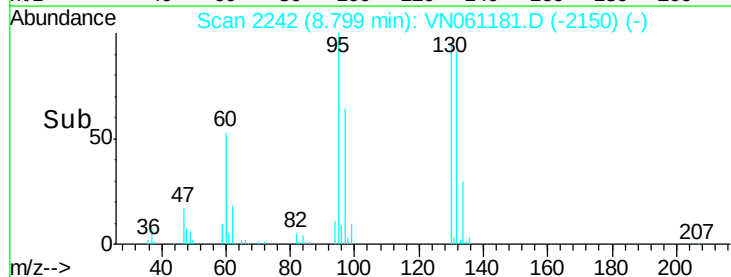
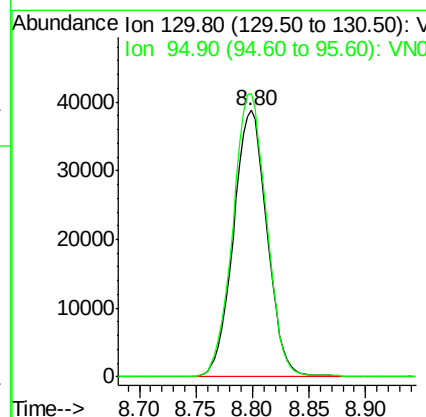
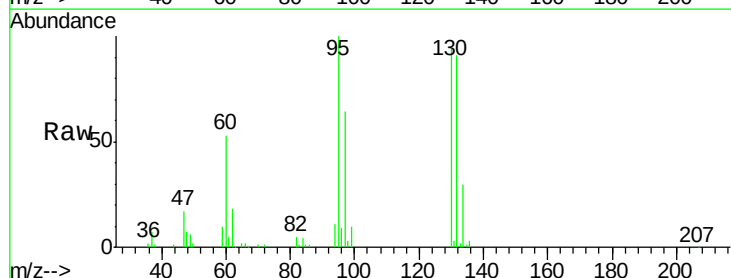
Manual Integrations
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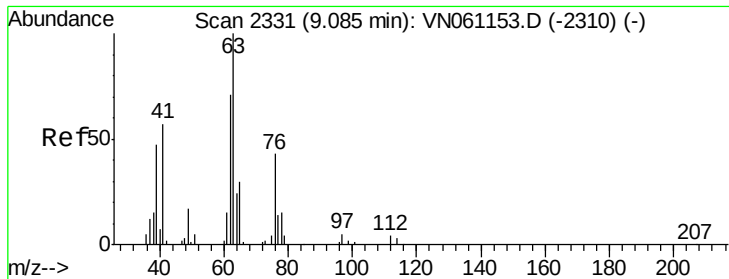
MMDadoda
4/30/2020 2:11:12 PM



#44
Trichloroethene
Concen: 52.496 ug/l
RT: 8.80 min Scan# 2242
Delta R.T. -0.00 min
Lab File: VN061181.D
Acq: 29 Apr 2020 10:02

Tgt Ion	Ratio	Resp	Lower	Upper
130	100	80292		
95	106.3		0.0	212.4





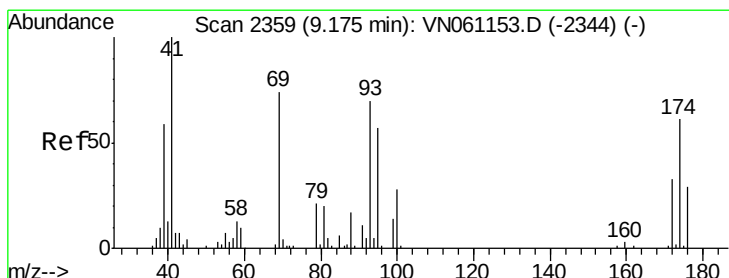
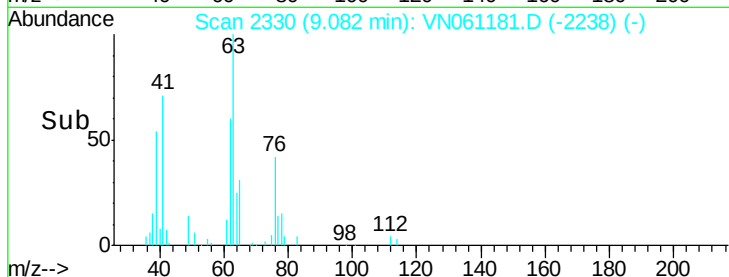
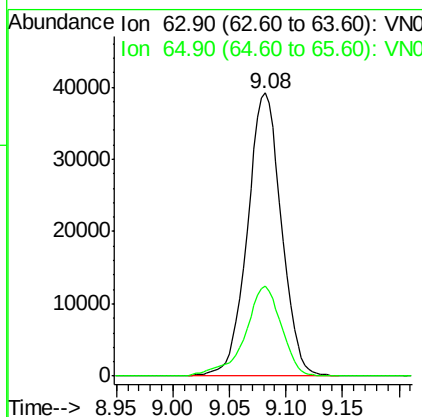
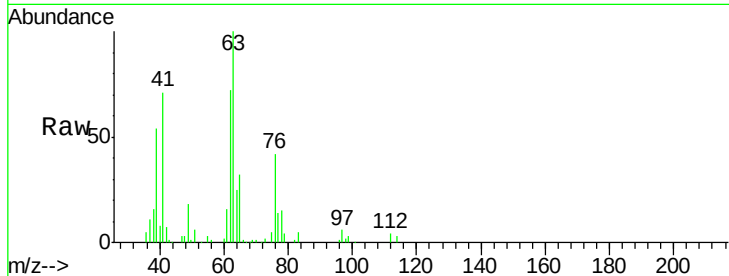
#45
 1,2-Dichloropropane
 Concen: 54.069 ug/l
 RT: 9.08 min Scan# 2330
 Delta R.T. -0.00 min
 Lab File: VN061181.D
 Acq: 29 Apr 2020 10:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 81728
 Ion Ratio Lower Upper
 63 100
 65 31.9 24.7 37.1

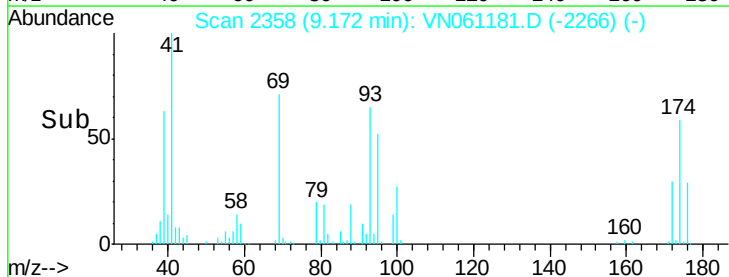
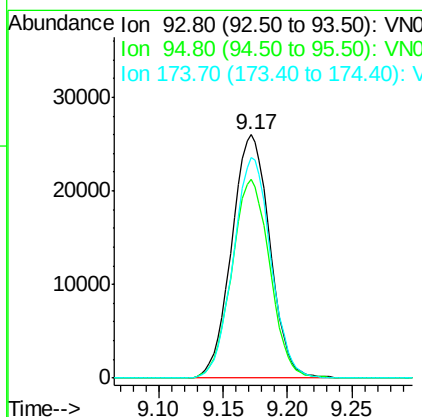
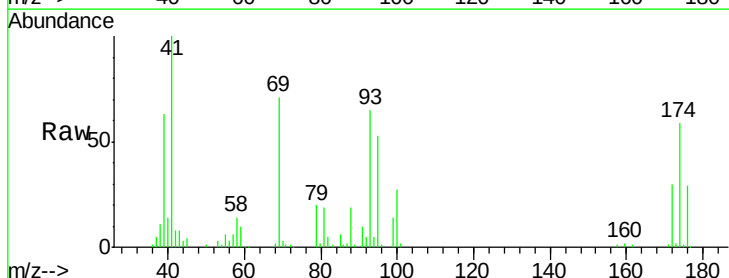
Manual Integrations
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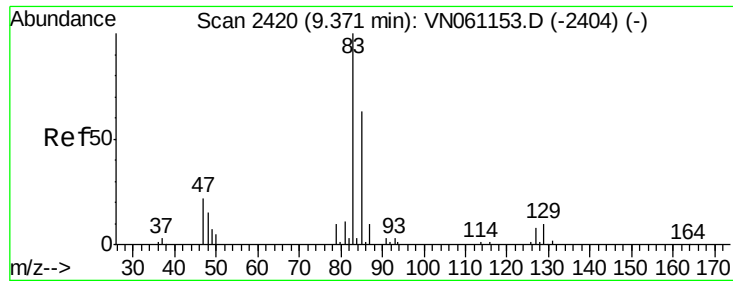
MMDadoda
 4/30/2020 2:11:12 PM



#46
 Dibromomethane
 Concen: 57.324 ug/l
 RT: 9.17 min Scan# 2358
 Delta R.T. -0.00 min
 Lab File: VN061181.D
 Acq: 29 Apr 2020 10:02

Tgt Ion: 93 Resp: 53650
 Ion Ratio Lower Upper
 93 100
 95 81.2 66.6 99.8
 174 89.1 70.2 105.2





#47

Bromodichloromethane

Concen: 56.921 ug/l

RT: 9.37 min Scan# 2419

Delta R.T. -0.00 min

Lab File: VN061181.D

Acq: 29 Apr 2020 10:02

Instrument :

MSVOA_N

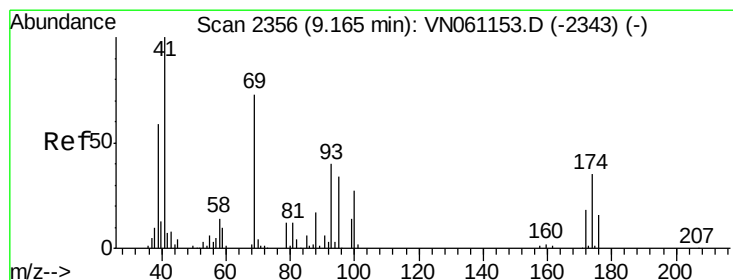
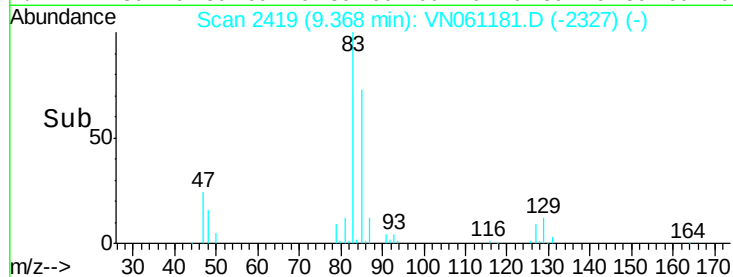
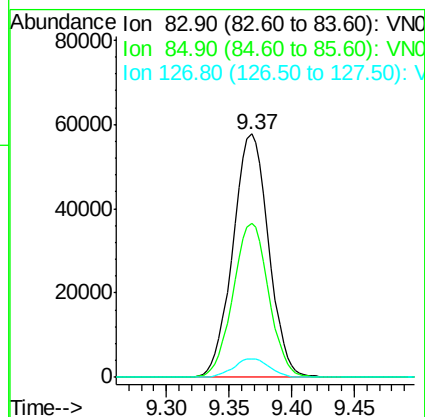
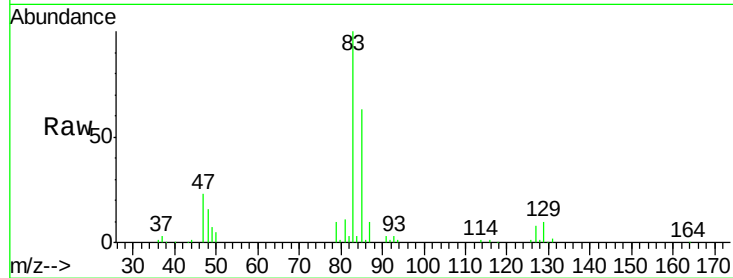
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	114346
Ion Ratio	Lower	Upper	
83	100		
85	63.4	50.4	75.6
127	7.7	6.2	9.2

Manual Integrations
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MMDadoda
4/30/2020 2:11:12 PM



#48

Methyl methacrylate

Concen: 55.626 ug/l

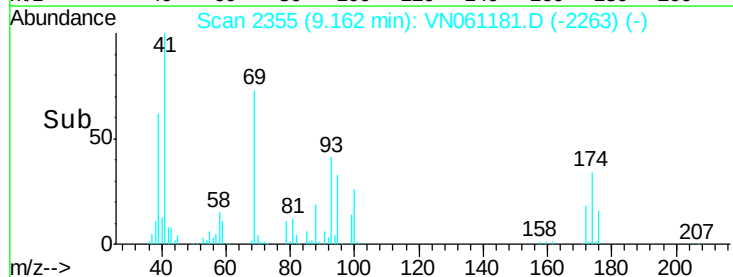
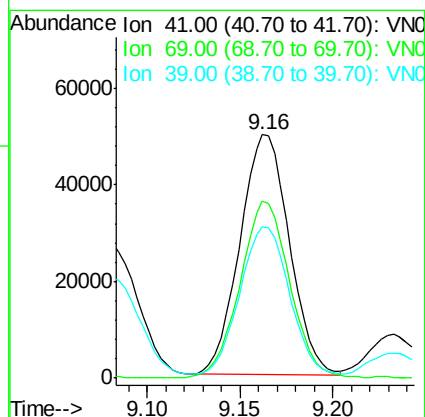
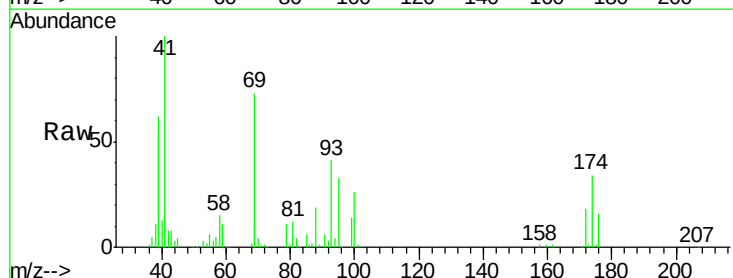
RT: 9.16 min Scan# 2355

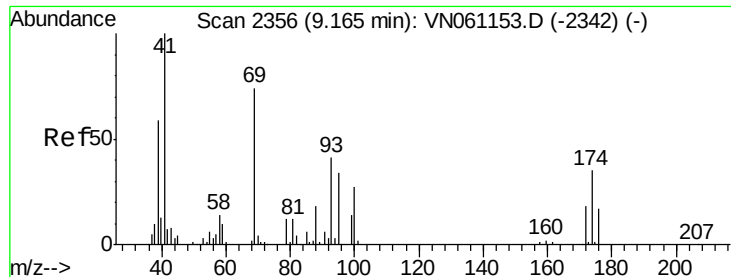
Delta R.T. -0.00 min

Lab File: VN061181.D

Acq: 29 Apr 2020 10:02

Tgt Ion:	41	Resp:	92748
Ion Ratio	Lower	Upper	
41	100		
69	73.6	60.3	90.5
39	61.7	47.4	71.0





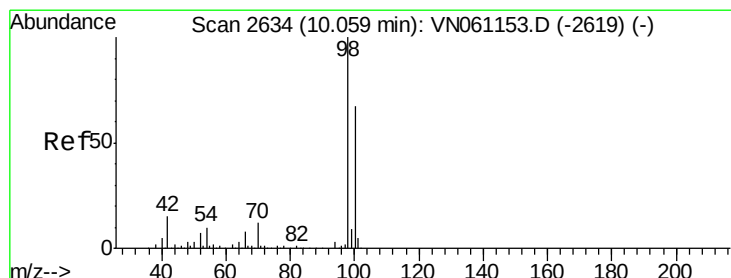
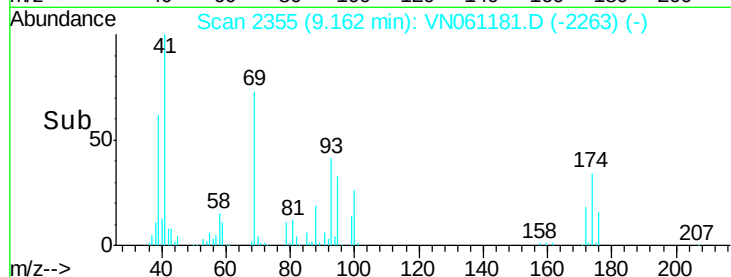
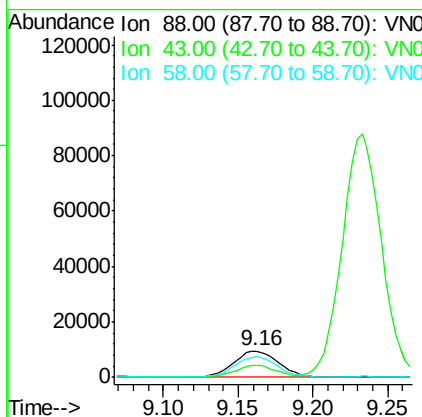
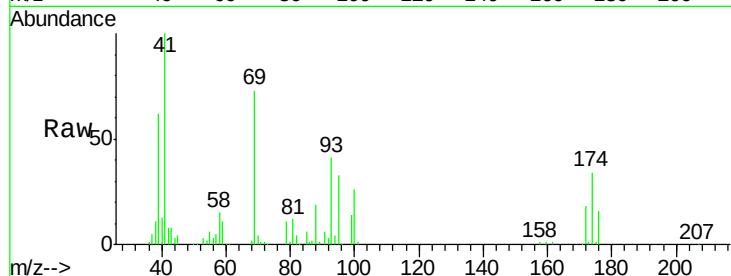
#49
1,4-Dioxane
Concen: 1059.259 ug/l
RT: 9.16 min Scan# 2355
Delta R.T. -0.00 min
Lab File: VN061181.D
Acq: 29 Apr 2020 10:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	42.4	35.3	52.9
58	75.8	61.5	92.3

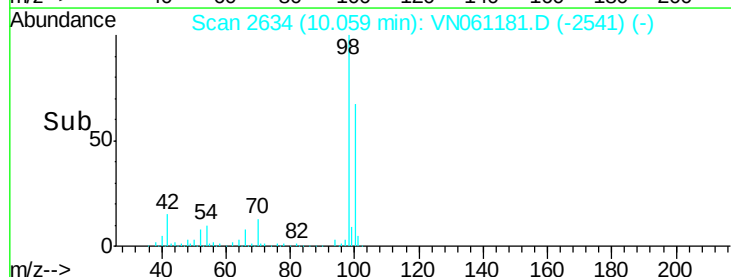
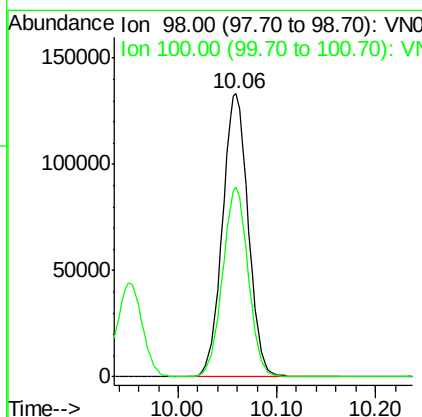
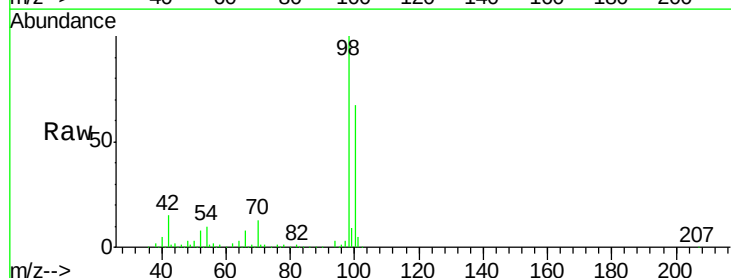
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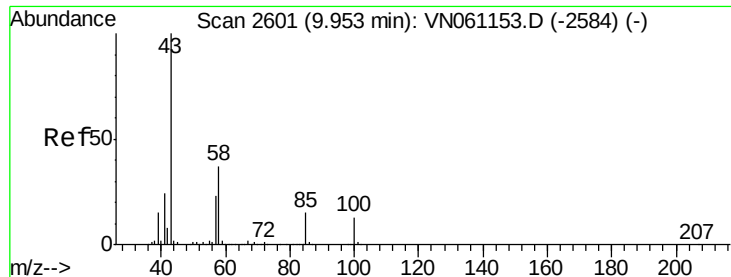
MMDadoda
4/30/2020 2:11:12 PM



#50
Toluene-d8
Concen: 53.427 ug/l
RT: 10.06 min Scan# 2634
Delta R.T. 0.00 min
Lab File: VN061181.D
Acq: 29 Apr 2020 10:02

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.6	53.4	80.0





#51

4-Methyl-2-Pentanone

Concen: 277.159 ug/l

RT: 9.95 min Scan# 2600

Delta R.T. -0.00 min

Lab File: VN061181.D

Acq: 29 Apr 2020 10:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 602792

Ion Ratio Lower Upper

43 100

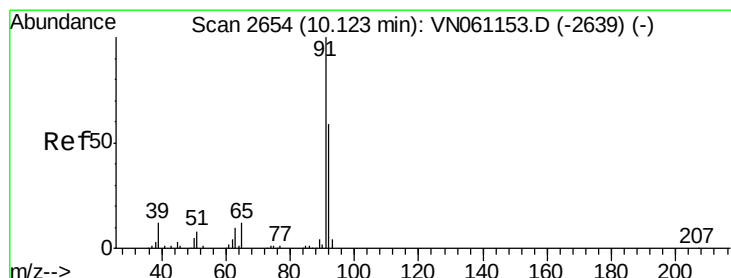
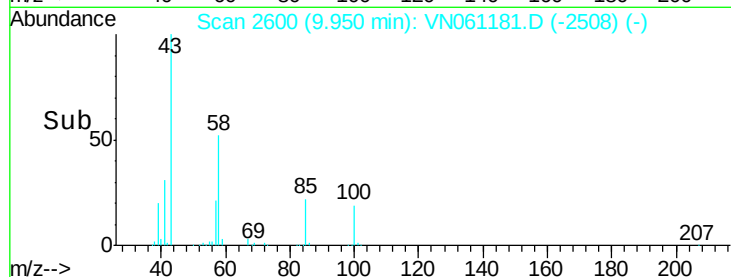
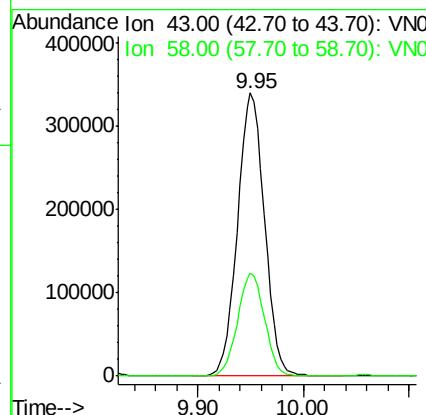
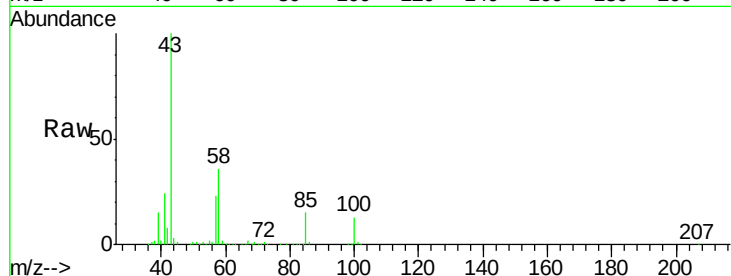
58 36.3 29.1 43.7

Manual Integrations

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#52

Toluene

Concen: 56.957 ug/l

RT: 10.12 min Scan# 2654

Delta R.T. -0.00 min

Lab File: VN061181.D

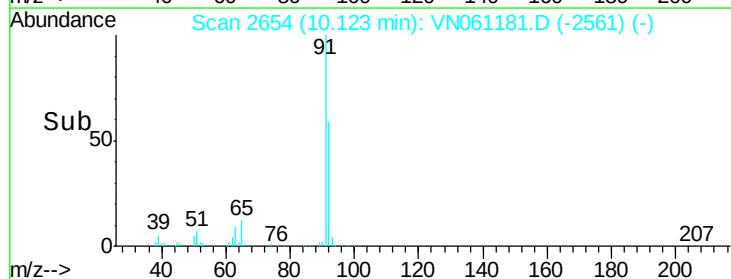
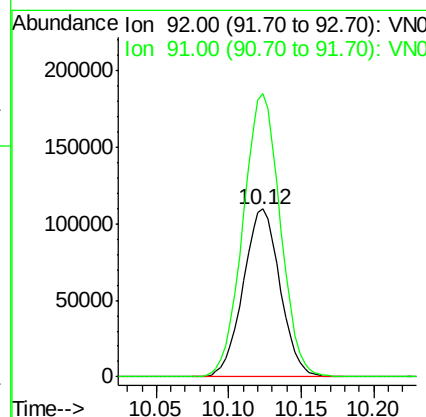
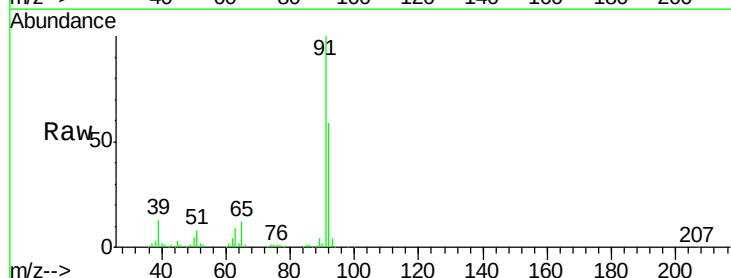
Acq: 29 Apr 2020 10:02

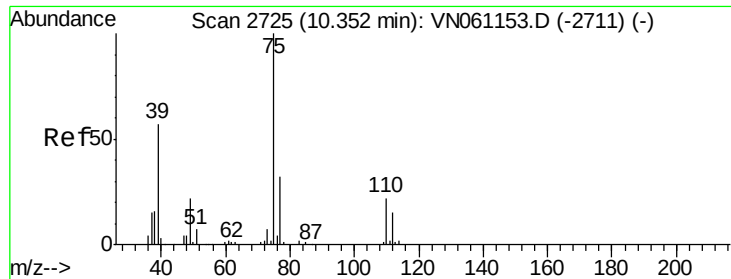
Tgt Ion: 92 Resp: 194104

Ion Ratio Lower Upper

92 100

91 170.5 136.2 204.2





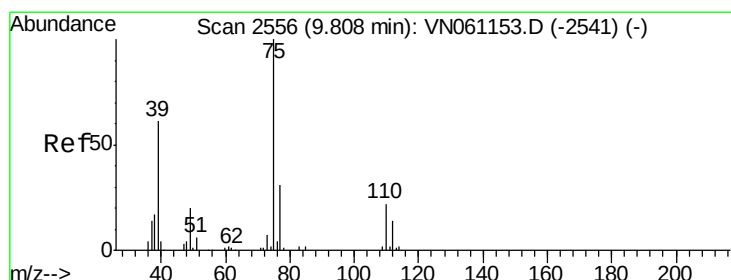
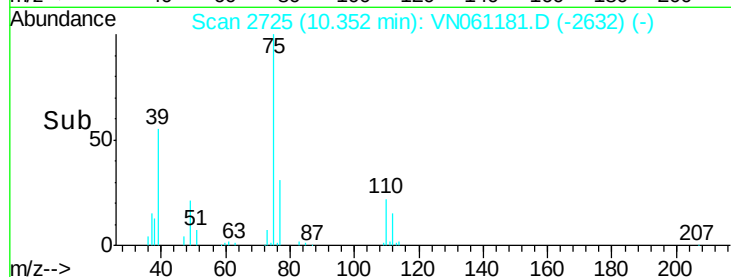
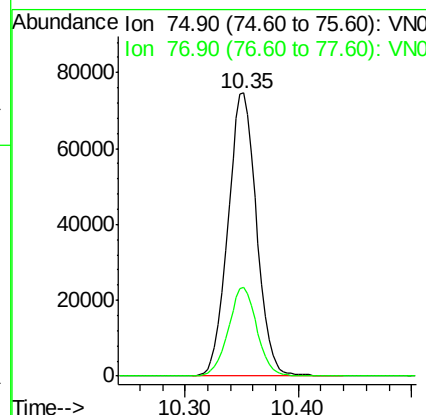
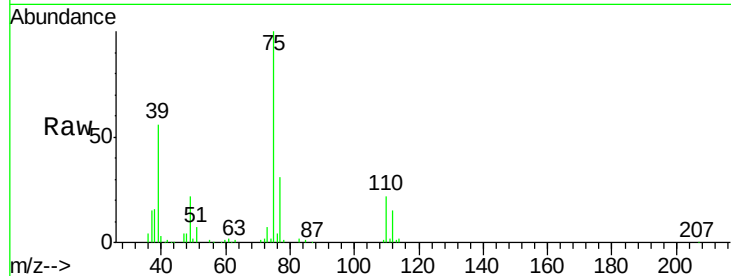
#53
t-1,3-Dichloropropene
Concen: 57.854 ug/l
RT: 10.35 min Scan# 2725
Delta R.T. 0.00 min
Lab File: VN061181.D
Acq: 29 Apr 2020 10:02

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.4	25.5	38.3

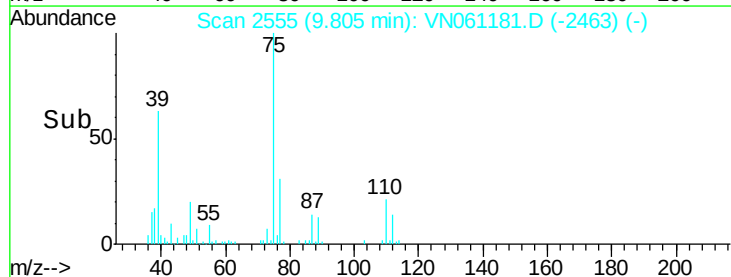
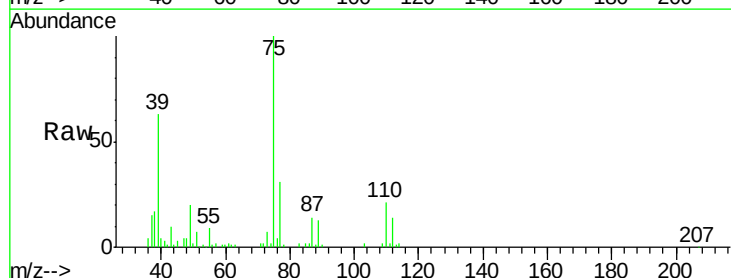
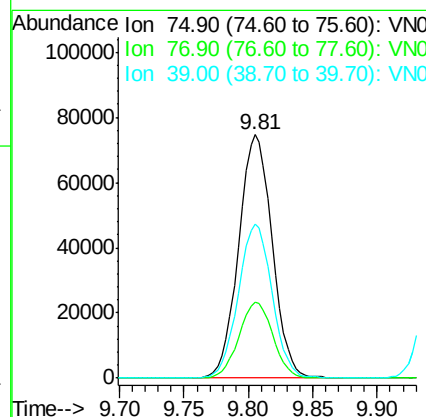
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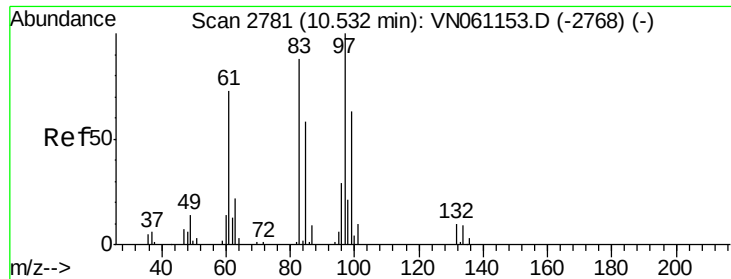
MMDadoda
4/30/2020 2:11:12 PM



#54
cis-1,3-Dichloropropene
Concen: 56.625 ug/l
RT: 9.81 min Scan# 2555
Delta R.T. -0.00 min
Lab File: VN061181.D
Acq: 29 Apr 2020 10:02

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.0	25.0	37.4
39	63.3	48.7	73.1





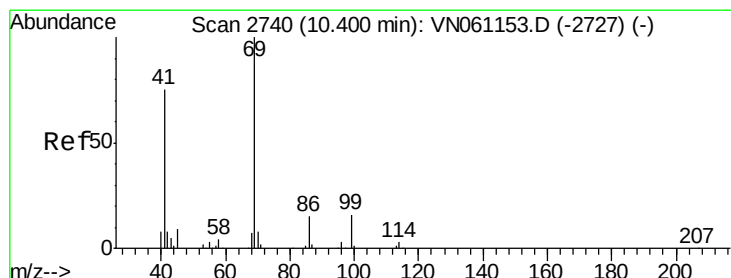
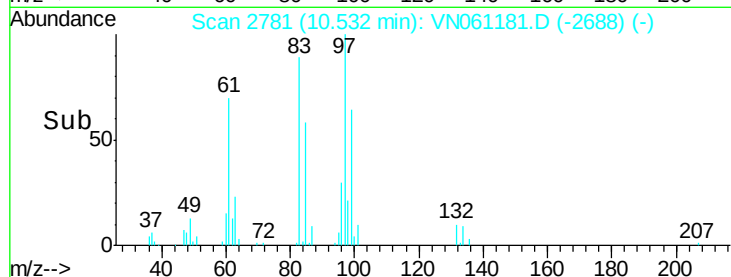
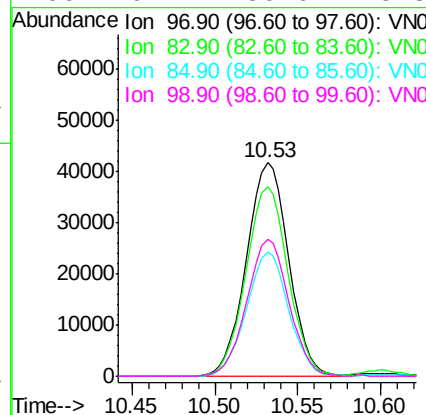
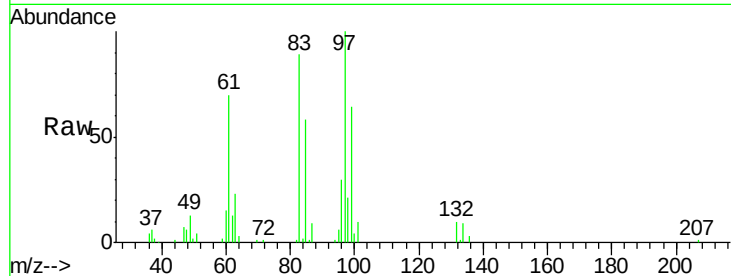
#55
 1,1,2-Trichloroethane
 Concen: 54.470 ug/l
 RT: 10.53 min Scan# 2781
 Delta R.T. 0.00 min
 Lab File: VN061181.D
 Acq: 29 Apr 2020 10:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	74043
Ion	Ratio	Lower	Upper
97	100		
83	89.0	70.6	106.0
85	58.0	46.4	69.6
99	64.1	50.6	75.8

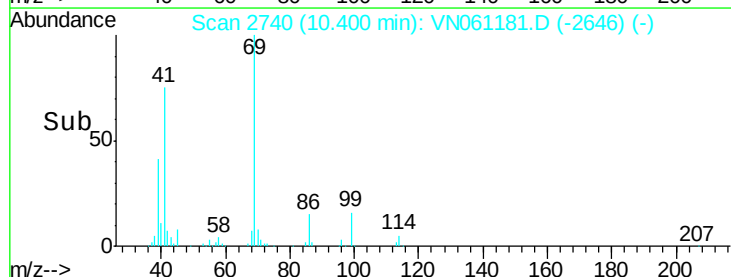
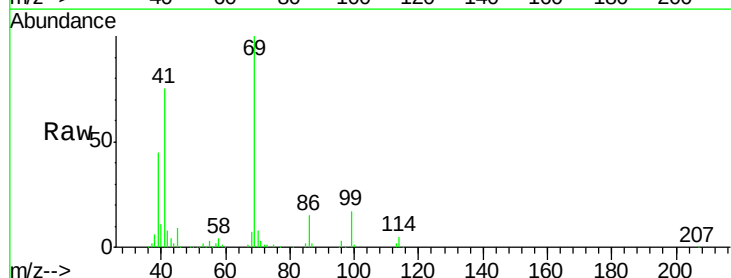
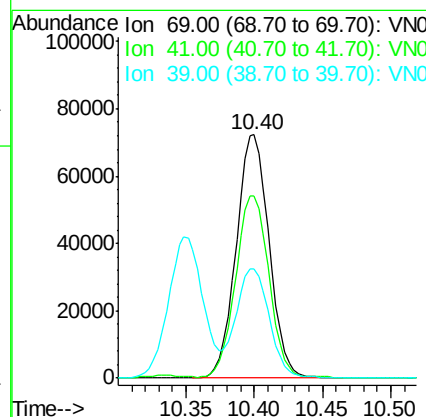
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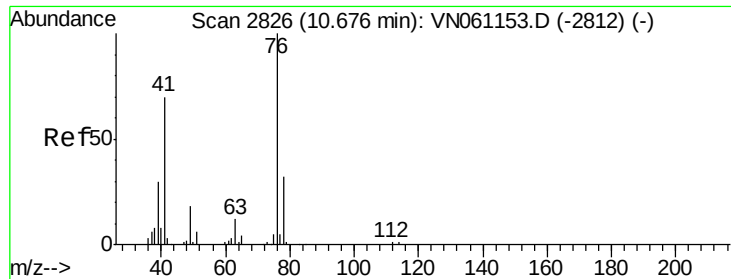
MMDadoda
 4/30/2020 2:11:12 PM



#56
 Ethyl methacrylate
 Concen: 51.074 ug/l
 RT: 10.40 min Scan# 2740
 Delta R.T. 0.00 min
 Lab File: VN061181.D
 Acq: 29 Apr 2020 10:02

Tgt Ion:	69	Resp:	121128
Ion	Ratio	Lower	Upper
69	100		
41	76.1	60.3	90.5
39	46.5	35.9	53.9





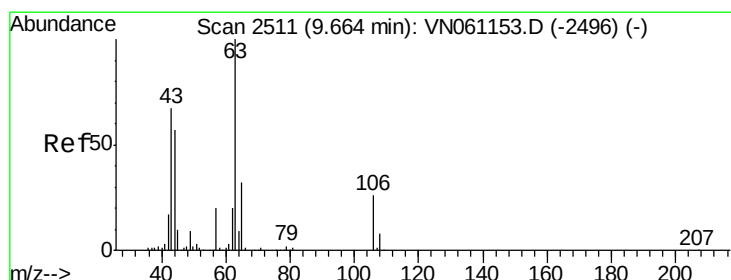
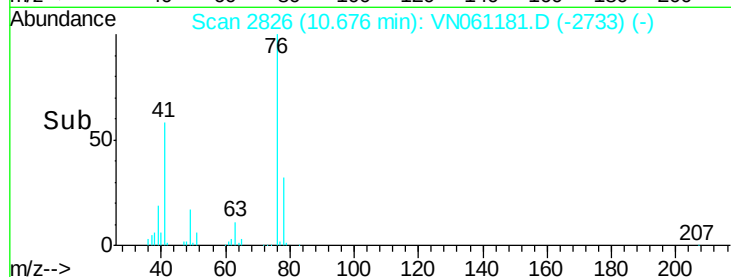
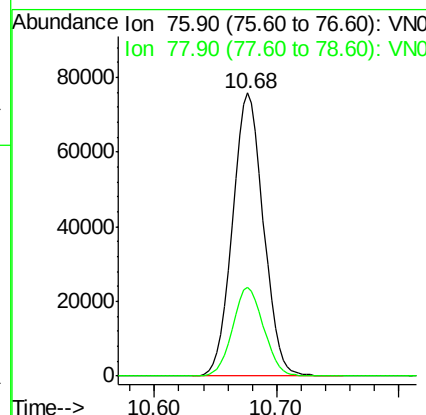
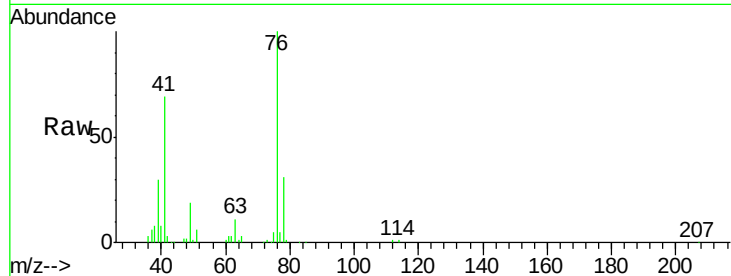
#57
 1,3-Dichloropropane
 Concen: 56.045 ug/l
 RT: 10.68 min Scan# 2826
 Delta R.T. -0.00 min
 Lab File: VN061181.D
 Acq: 29 Apr 2020 10:02

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion: 76 Resp: 133912
 Ion Ratio Lower Upper
 76 100
 78 31.5 25.5 38.3

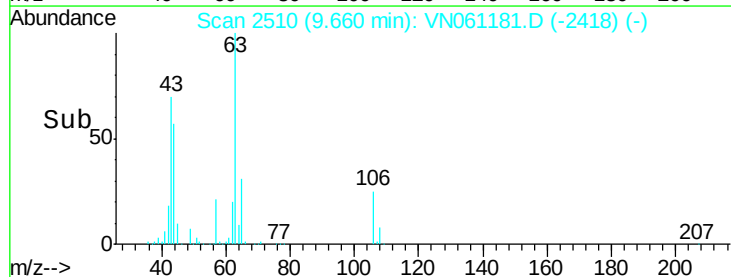
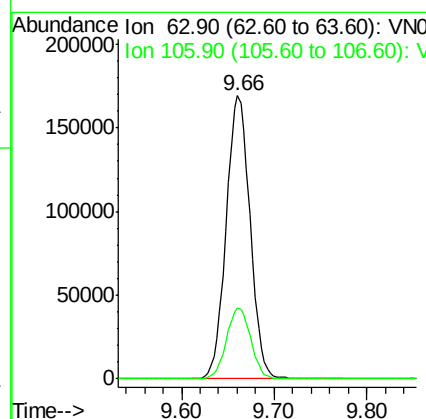
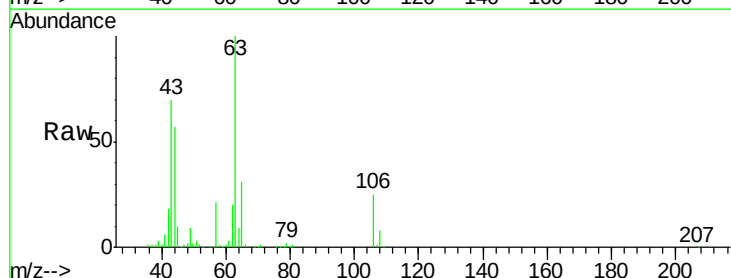
Manual Integrations
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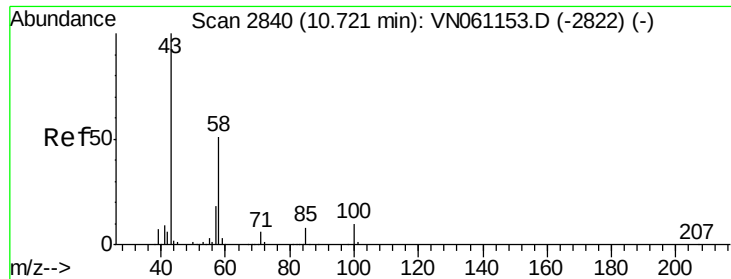
MMDadoda
 4/30/2020 2:11:12 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 275.156 ug/l
 RT: 9.66 min Scan# 2510
 Delta R.T. -0.00 min
 Lab File: VN061181.D
 Acq: 29 Apr 2020 10:02

Tgt Ion: 63 Resp: 302754
 Ion Ratio Lower Upper
 63 100
 106 25.5 20.6 30.8





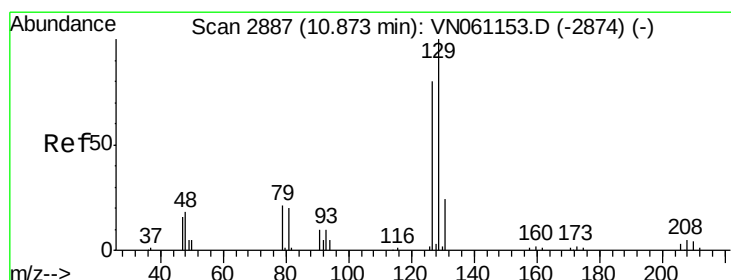
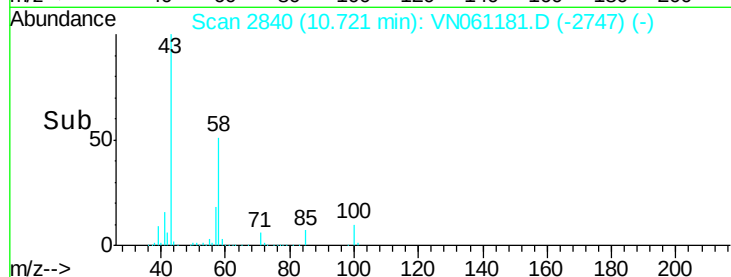
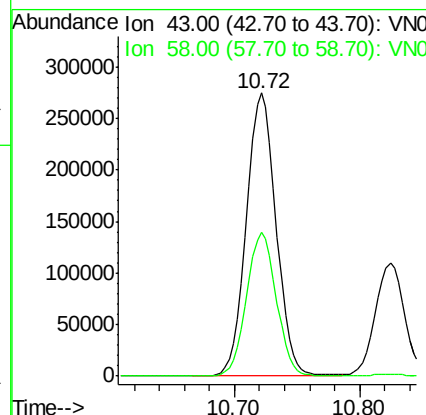
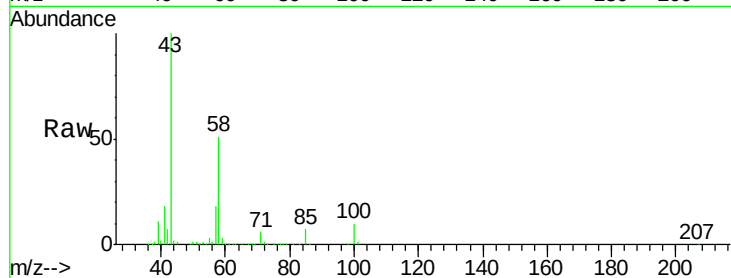
#59
2-Hexanone
Concen: 285.799 ug/l
RT: 10.72 min Scan# 2840
Delta R.T. 0.00 min
Lab File: VN061181.D
Acq: 29 Apr 2020 10:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 452215
Ion Ratio Lower Upper
43 100
58 50.8 25.4 76.4

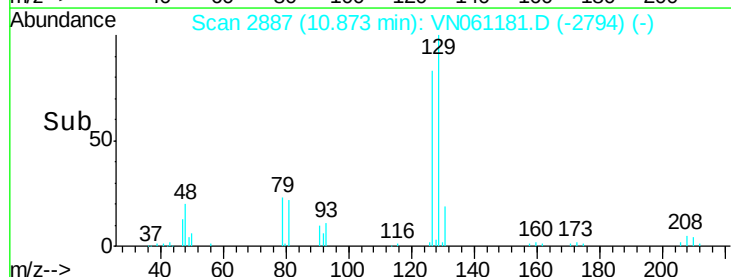
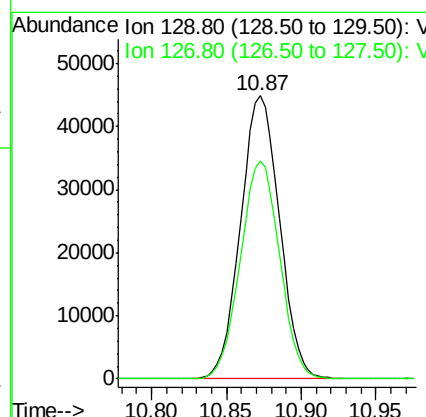
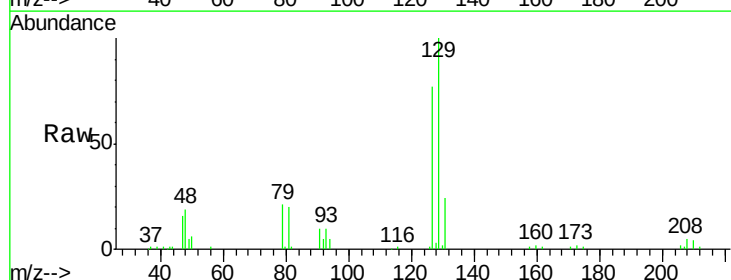
Manual Integrations
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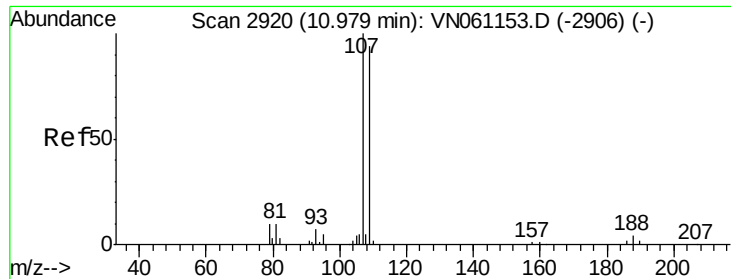
MMDadoda
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#60
Dibromochloromethane
Concen: 57.214 ug/l
RT: 10.87 min Scan# 2887
Delta R.T. -0.00 min
Lab File: VN061181.D
Acq: 29 Apr 2020 10:02

Tgt Ion: 129 Resp: 81455
Ion Ratio Lower Upper
129 100
127 77.5 39.3 117.8





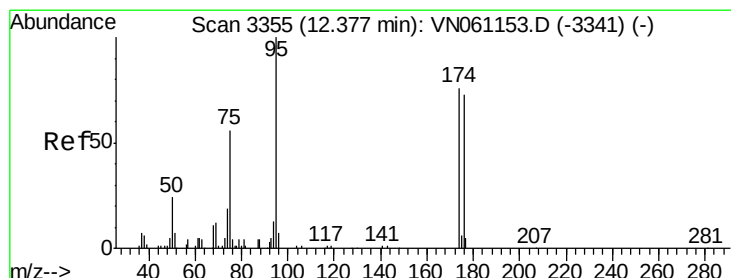
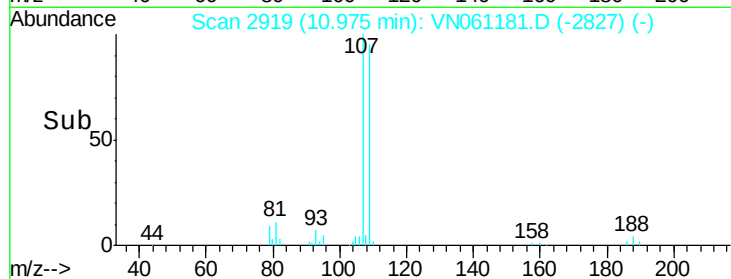
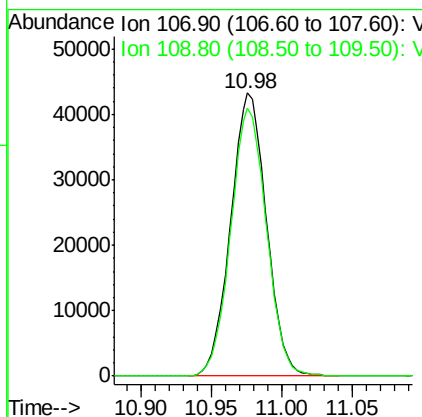
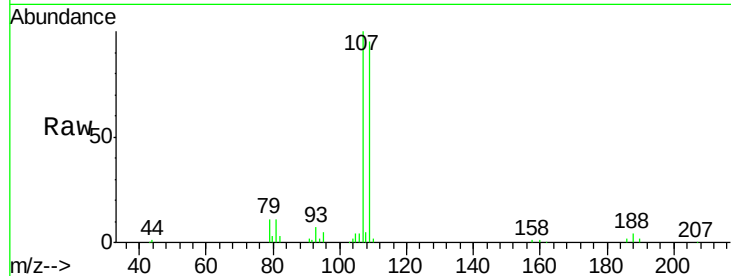
#61
 1,2-Dibromoethane
 Concen: 56.395 ug/l
 RT: 10.98 min Scan# 2919
 Delta R.T. -0.00 min
 Lab File: VN061181.D
 Acq: 29 Apr 2020 10:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.6	74.8	112.2

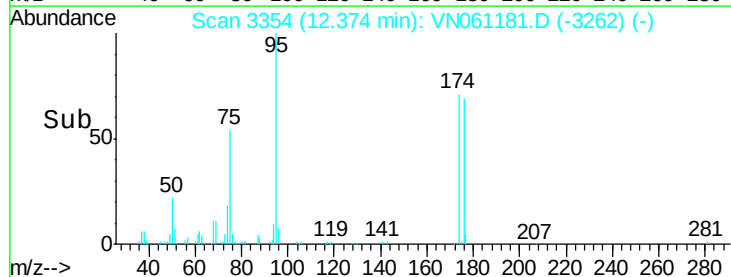
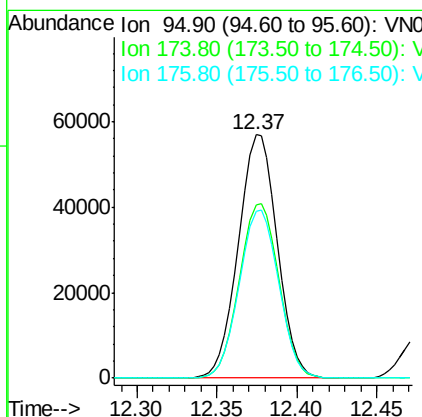
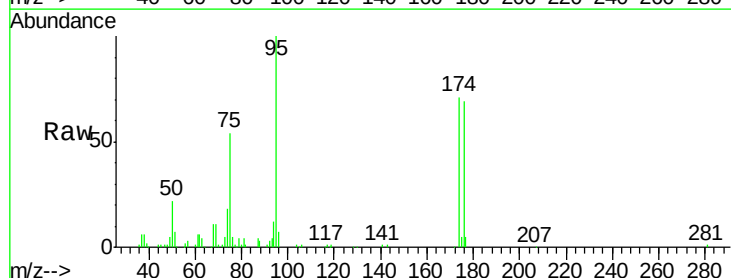
Manual Integrations
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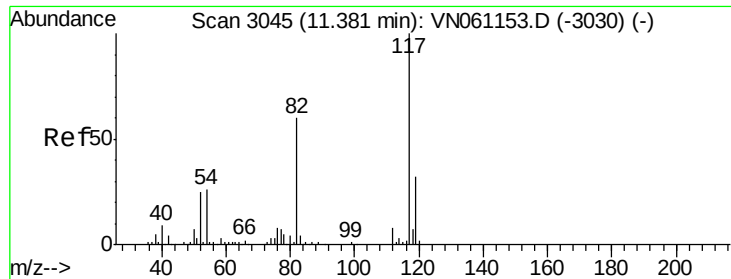
MMDadoda
 4/30/2020 2:11:12 PM



#62
 4-Bromofluorobenzene
 Concen: 54.783 ug/l
 RT: 12.37 min Scan# 3354
 Delta R.T. -0.00 min
 Lab File: VN061181.D
 Acq: 29 Apr 2020 10:02

Tgt Ion	Ratio	Lower	Upper
95	100		
174	72.9	0.0	149.4
176	70.2	0.0	144.8





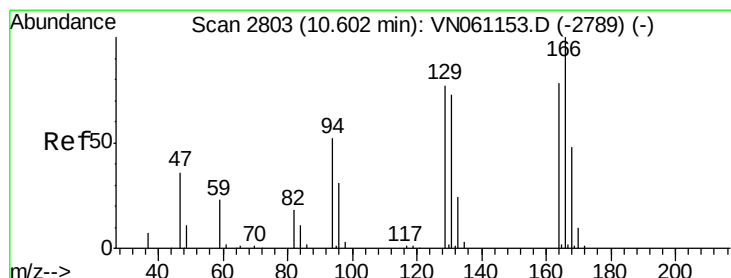
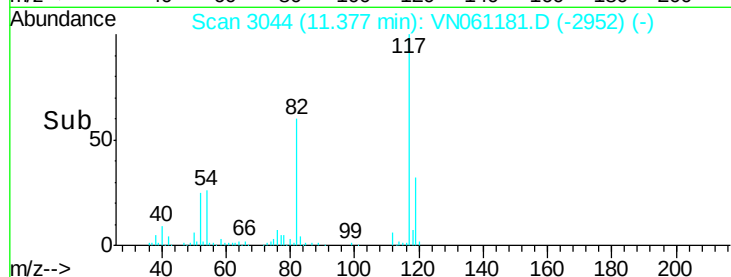
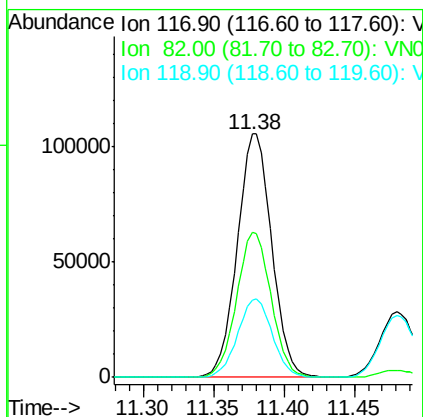
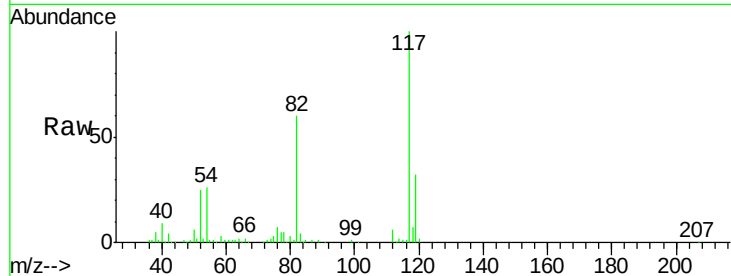
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 3044
Delta R.T. -0.00 min
Lab File: VN061181.D
Acq: 29 Apr 2020 10:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	59.8	47.8	71.8
119	31.8	25.8	38.6

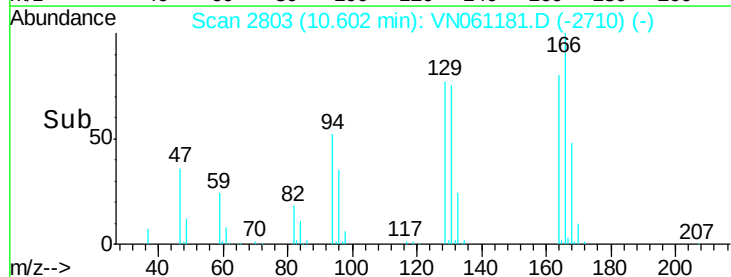
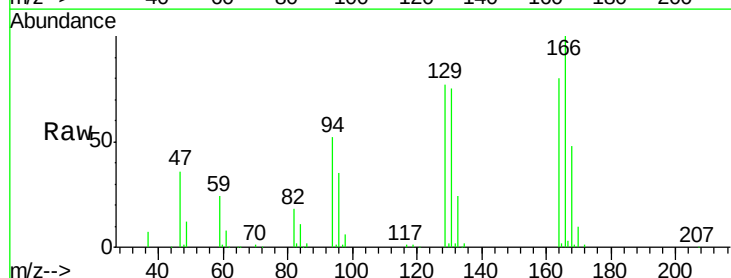
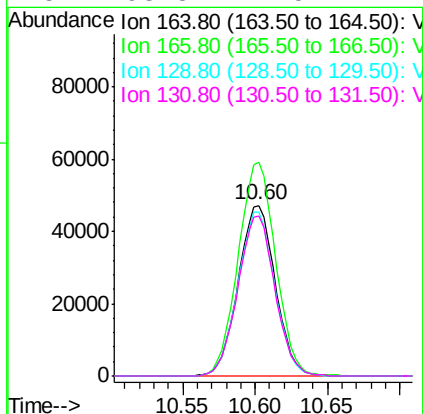
Manual Integrations
APPROVED

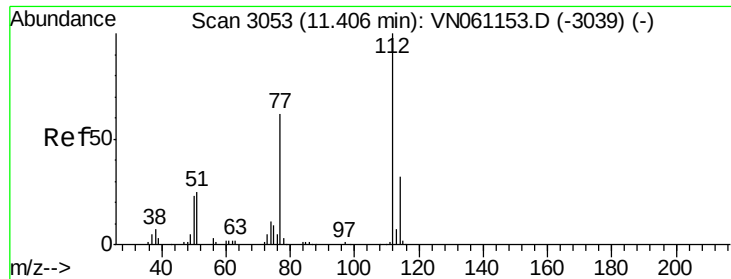
MMDadoda
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#64
Tetrachloroethene
Concen: 53.539 ug/l
RT: 10.60 min Scan# 2803
Delta R.T. 0.00 min
Lab File: VN061181.D
Acq: 29 Apr 2020 10:02

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.3	102.0	153.0
129	96.2	78.2	117.2
131	93.8	74.5	111.7





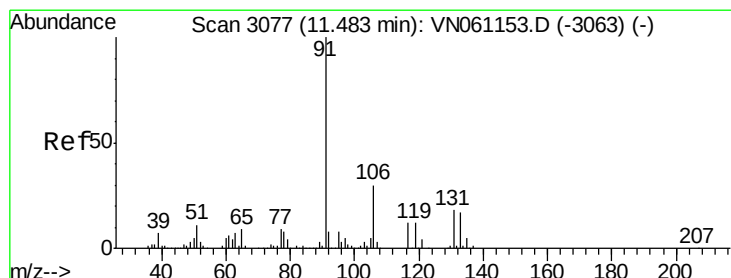
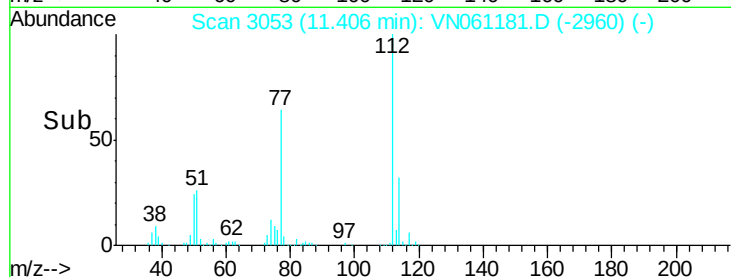
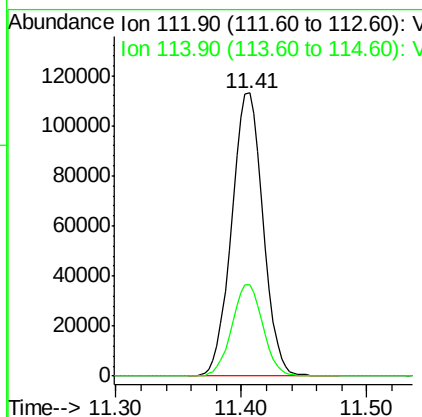
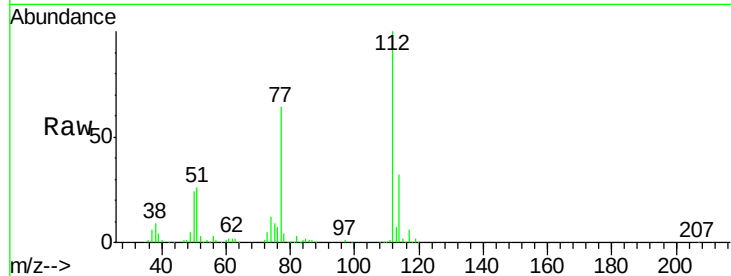
#65
Chlorobenzene
Concen: 54.668 ug/l
RT: 11.41 min Scan# 3053
Delta R.T. 0.00 min
Lab File: VN061181.D
Acq: 29 Apr 2020 10:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.1	25.4	38.2

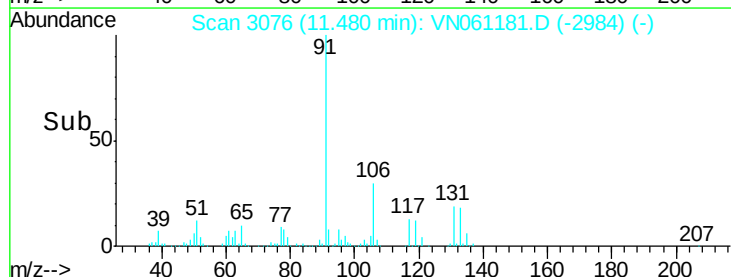
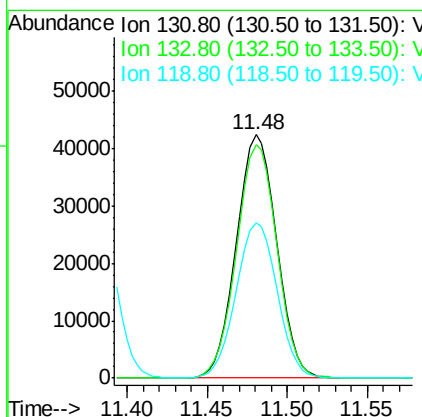
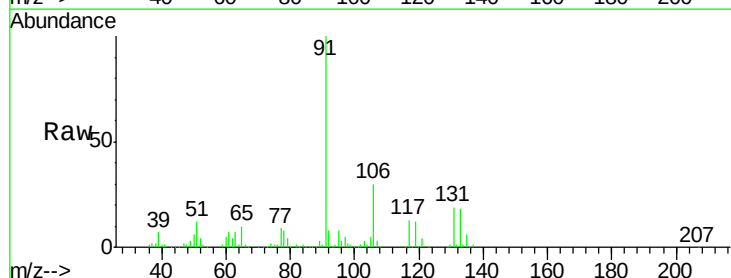
Manual Integrations
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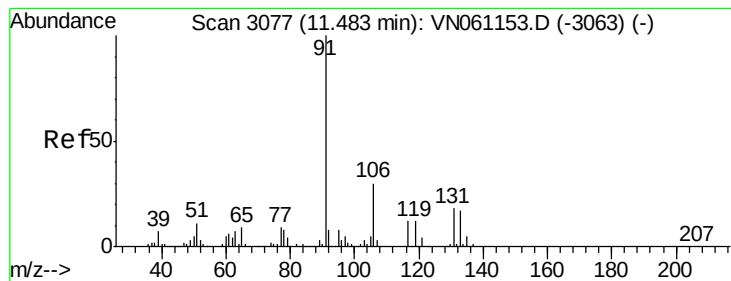
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 56.735 ug/l
RT: 11.48 min Scan# 3076
Delta R.T. -0.00 min
Lab File: VN061181.D
Acq: 29 Apr 2020 10:02

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.2	48.0	144.2
119	64.9	32.6	97.8





#67

Ethyl Benzene

Concen: 56.724 ug/l

RT: 11.48 min Scan# 3077

Delta R.T. 0.00 min

Lab File: VN061181.D

Acq: 29 Apr 2020 10:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 381350

Ion Ratio Lower Upper

91 100

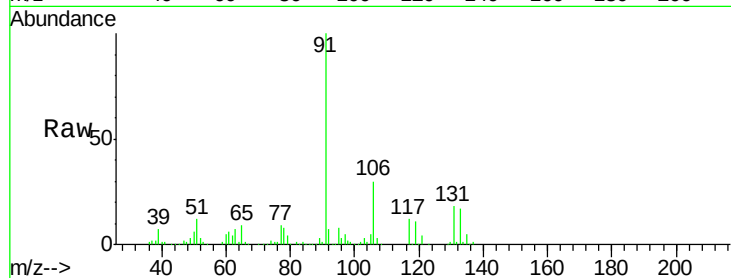
106 29.7 23.8 35.6

Manual Integrations

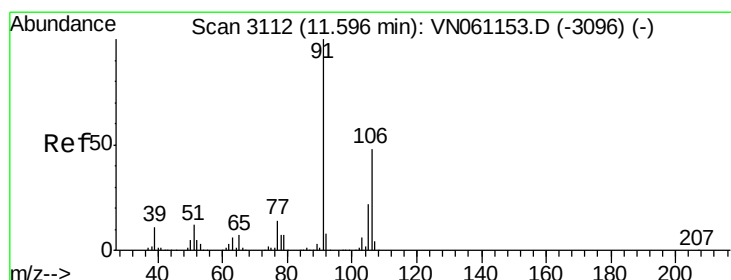
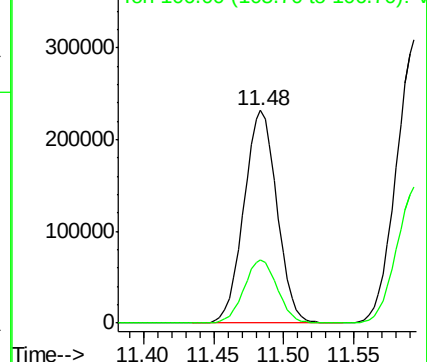
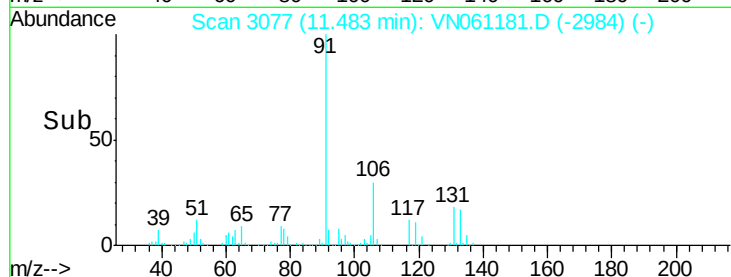
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Abundance Ion 91.00 (90.70 to 91.70): VN061181.D (-2984) (-)



#68

m/p-Xylenes

Concen: 114.591 ug/l

RT: 11.59 min Scan# 3111

Delta R.T. -0.00 min

Lab File: VN061181.D

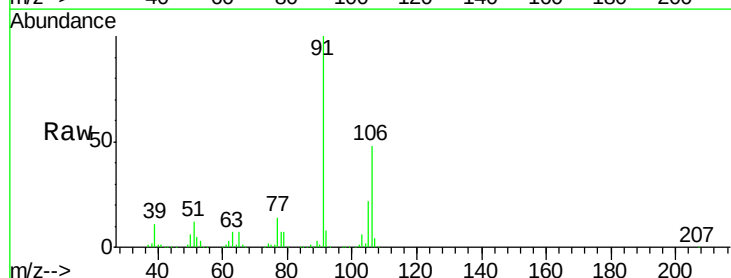
Acq: 29 Apr 2020 10:02

Tgt Ion: 106 Resp: 281981

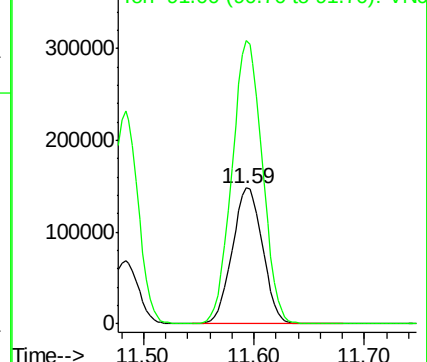
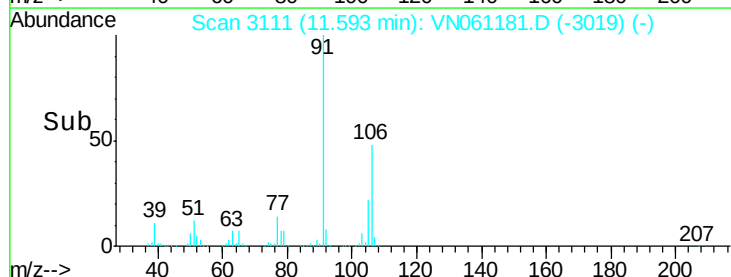
Ion Ratio Lower Upper

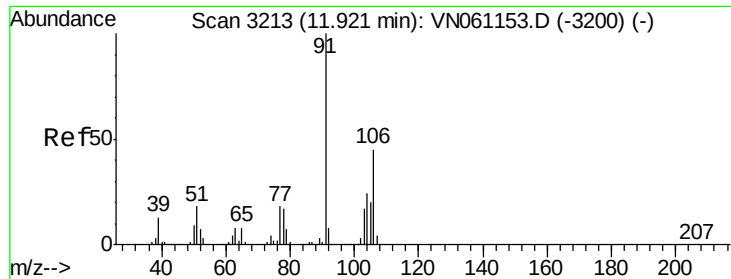
106 100

91 208.6 166.4 249.6



Abundance Ion 106.00 (105.70 to 106.70): VN061181.D (-3019) (-)





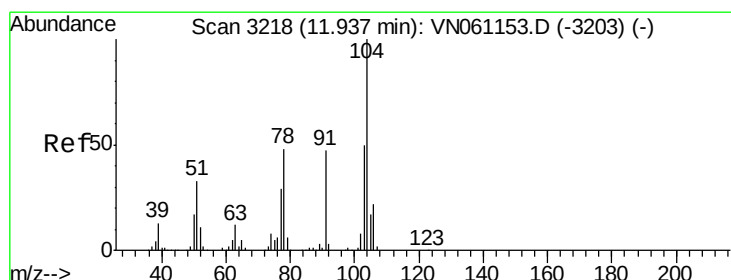
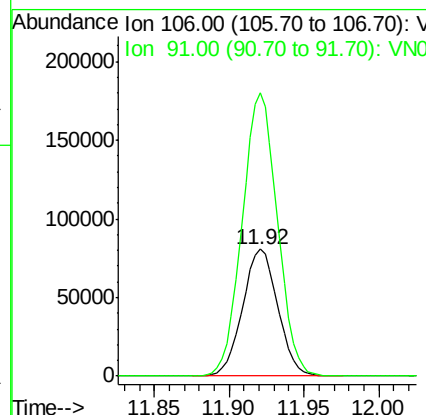
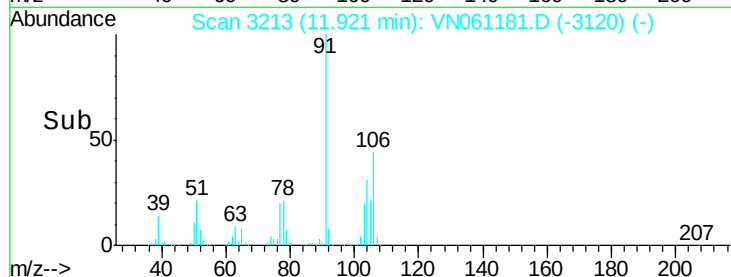
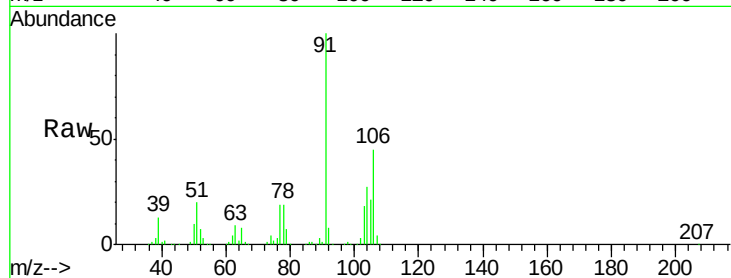
#69
o-Xylene
Concen: 55.817 ug/l
RT: 11.92 min Scan# 3213
Delta R.T. 0.00 min
Lab File: VN061181.D
Acq: 29 Apr 2020 10:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 131936
Ion Ratio Lower Upper
106 100
91 223.5 109.7 329.0

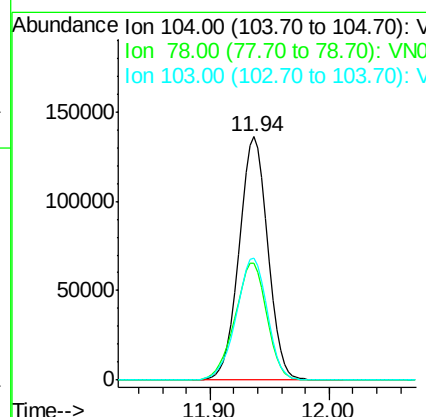
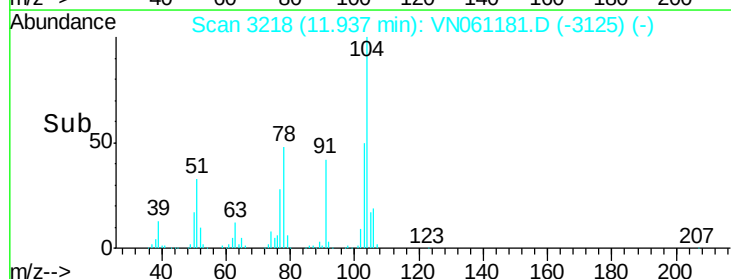
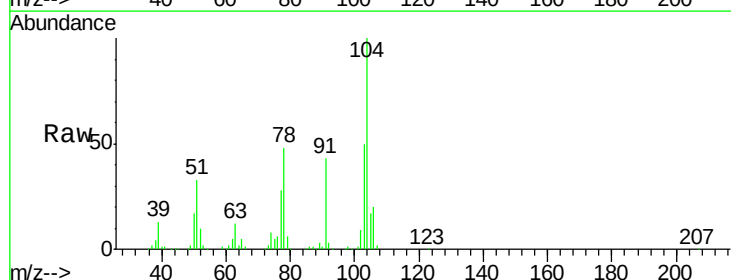
Manual Integrations
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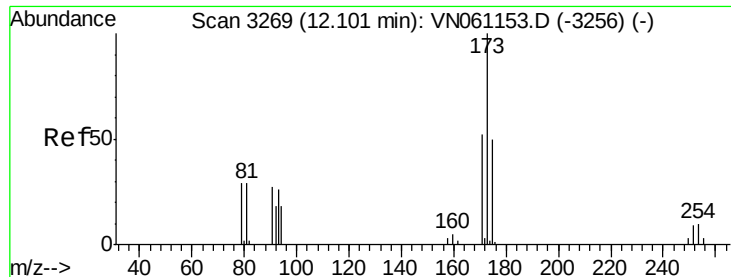
MMDadoda
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#70
Styrene
Concen: 57.594 ug/l
RT: 11.94 min Scan# 3218
Delta R.T. -0.00 min
Lab File: VN061181.D
Acq: 29 Apr 2020 10:02

Tgt Ion:104 Resp: 227850
Ion Ratio Lower Upper
104 100
78 53.5 42.1 63.1
103 54.2 43.3 64.9





#71

Bromoform

Concen: 58.233 ug/l

RT: 12.10 min Scan# 3269

Delta R.T. 0.00 min

Lab File: VN061181.D

Acq: 29 Apr 2020 10:02

Instrument :

MSVOA_N

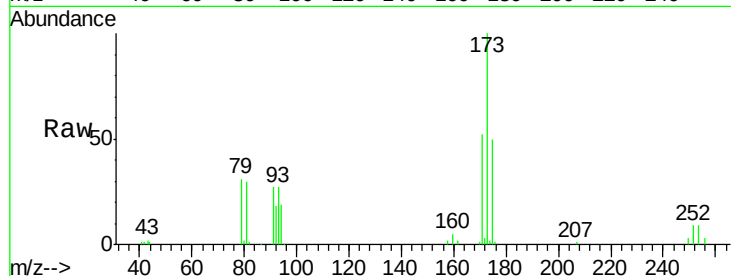
ClientSampled :

VSTDCCC050

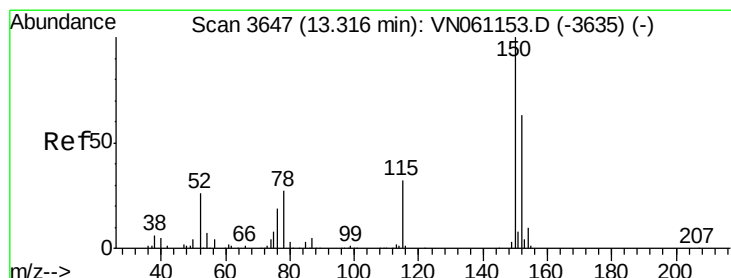
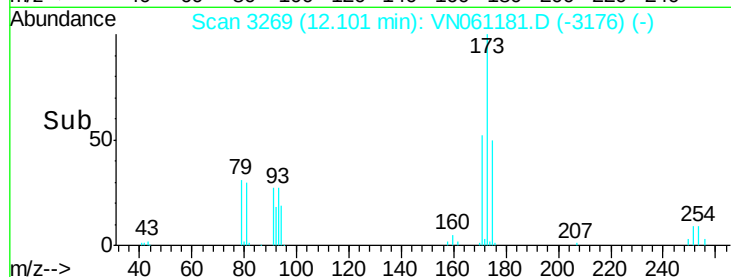
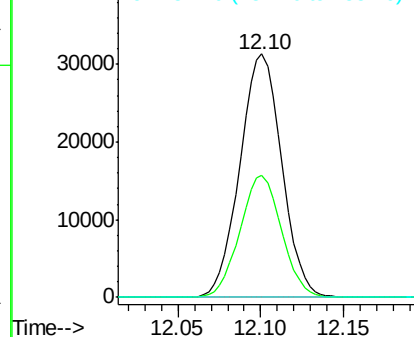
Tot Ion:173	Resp:	55011
Ion Ratio	Lower	Upper
173 100		
175 49.7	24.1	72.4
254 0.0	0.0	0.0

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

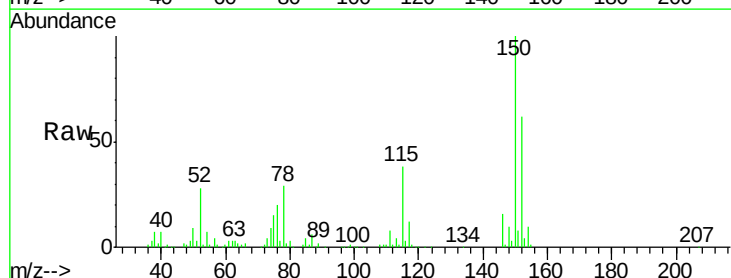
RT: 13.32 min Scan# 3647

Delta R.T. -0.00 min

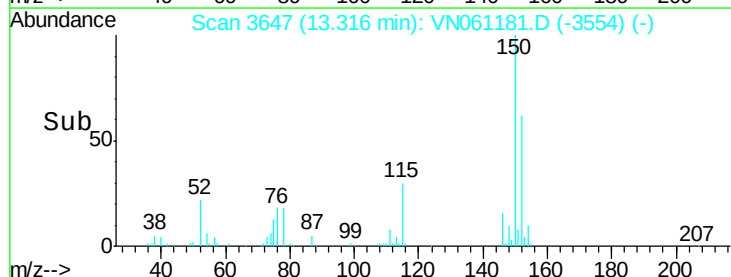
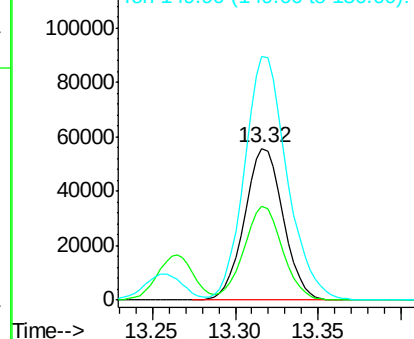
Lab File: VN061181.D

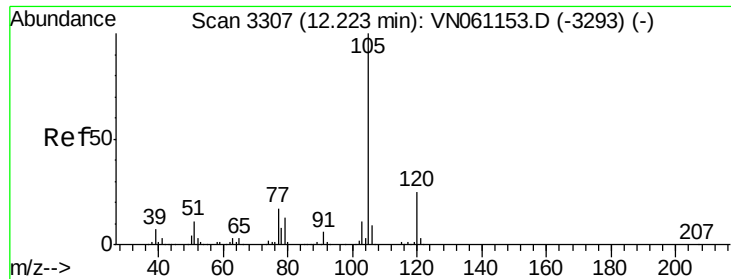
Acq: 29 Apr 2020 10:02

Tgt Ion:152	Resp:	90688
Ion Ratio	Lower	Upper
152 100		
115 61.6	31.0	93.0
150 176.4	0.0	351.8



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: 54.719 ug/l

RT: 12.22 min Scan# 3307

Delta R.T. 0.00 min

Lab File: VN061181.D

Acq: 29 Apr 2020 10:02

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion:105 Resp: 364808

Ion Ratio Lower Upper

105 100

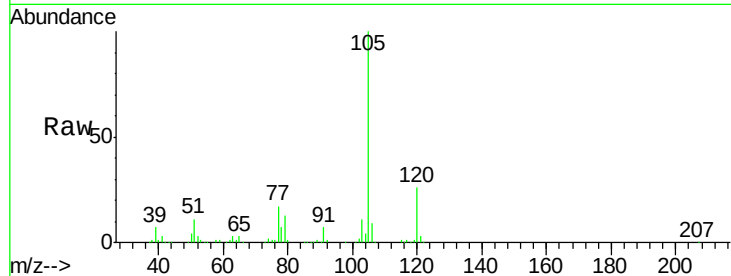
120 25.6 12.6 37.8

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.22

250000

200000

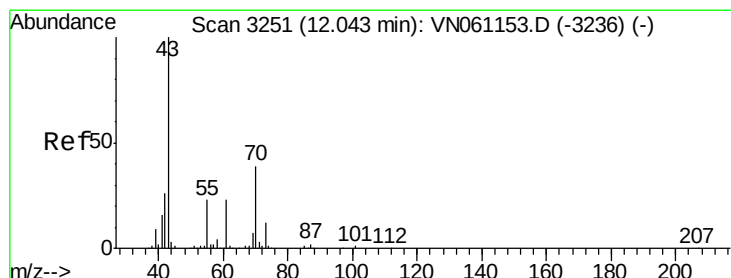
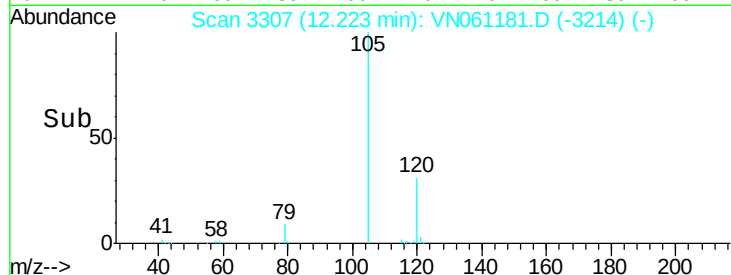
150000

100000

50000

0

Time-->



#74

N-ethyl acetate

Concen: 54.630 ug/l

RT: 12.04 min Scan# 3251

Delta R.T. 0.00 min

Lab File: VN061181.D

Acq: 29 Apr 2020 10:02

Tgt Ion: 43 Resp: 184429

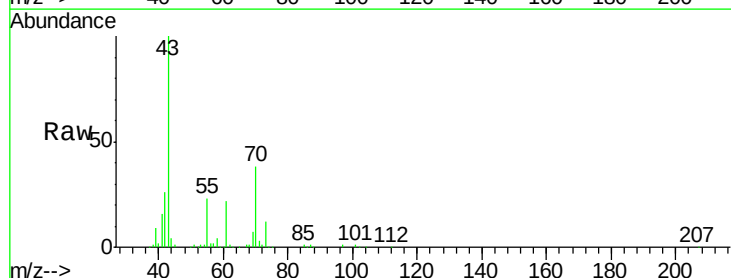
Ion Ratio Lower Upper

43 100

70 37.6 30.6 46.0

55 23.0 18.5 27.7

61 22.1 17.9 26.9



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

12.04

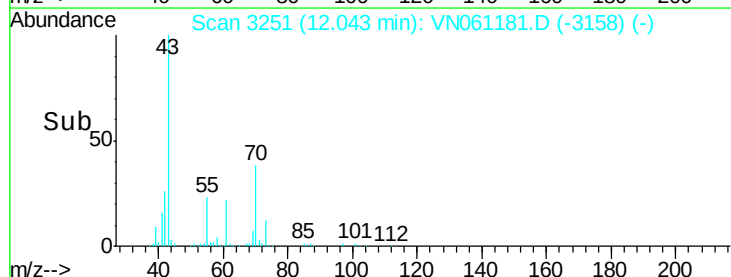
150000

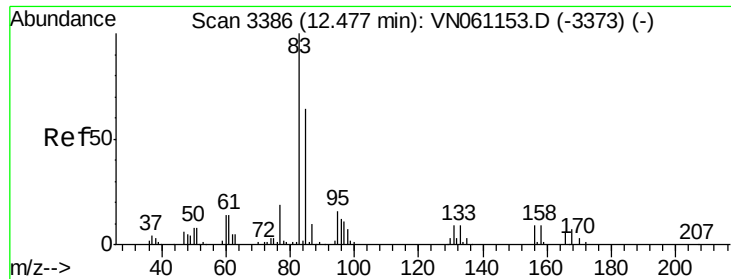
100000

50000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 52.295 ug/l

RT: 12.48 min Scan# 3386

Delta R.T. 0.00 min

Lab File: VN061181.D

Acq: 29 Apr 2020 10:02

Instrument :

MSVOA_N

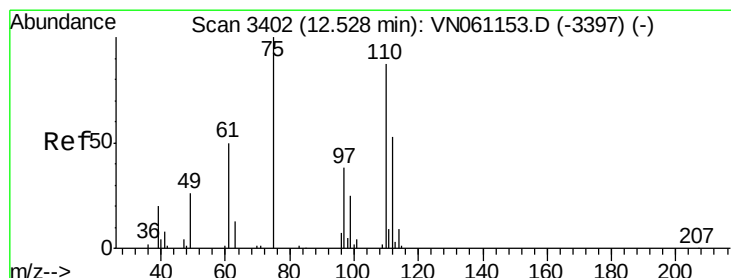
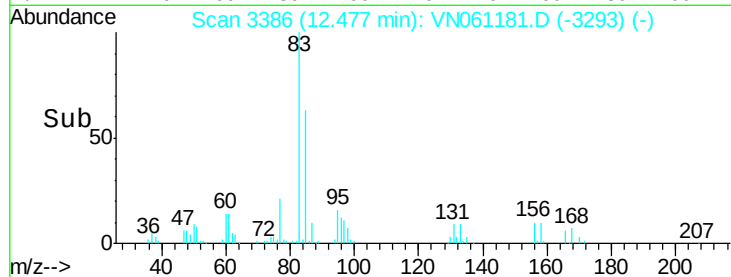
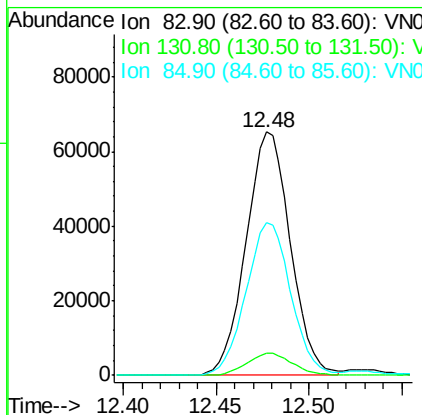
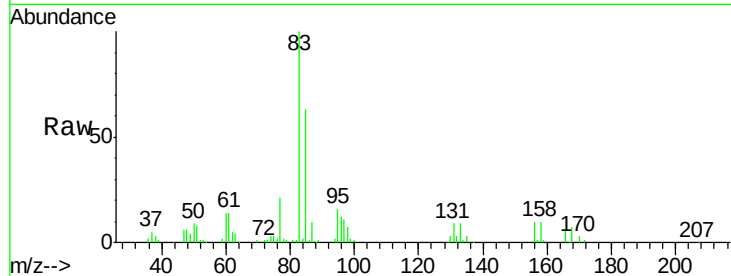
ClientSampled :

VSTDCCC050

Tot Ion:	83	Resp:	108713
Ion Ratio	Lower	Upper	
83	100		
131	9.4	4.8	14.3
85	63.4	32.0	96.0

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 56.288 ug/l m

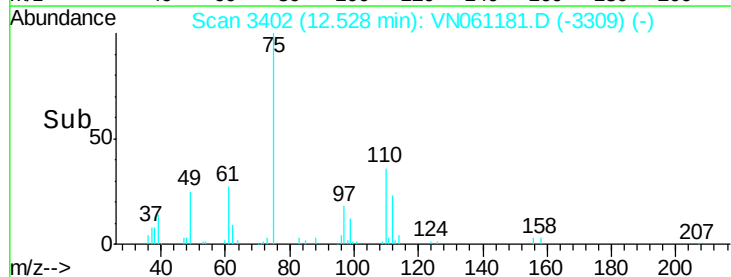
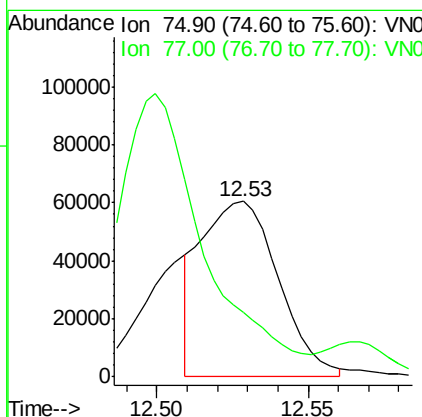
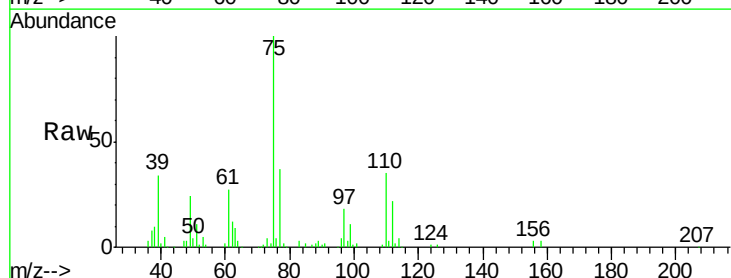
RT: 12.53 min Scan# 3402

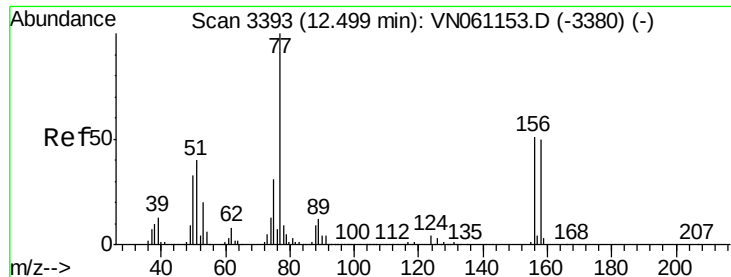
Delta R.T. -0.00 min

Lab File: VN061181.D

Acq: 29 Apr 2020 10:02

Tgt Ion:	75	Resp:	107619
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





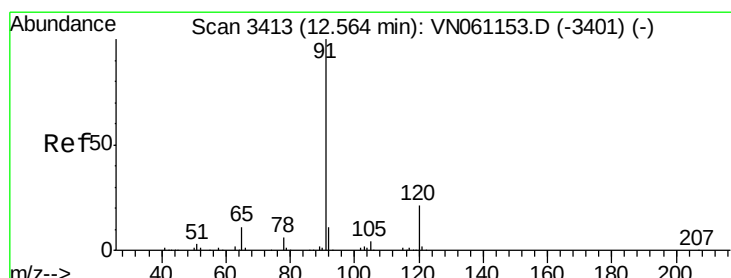
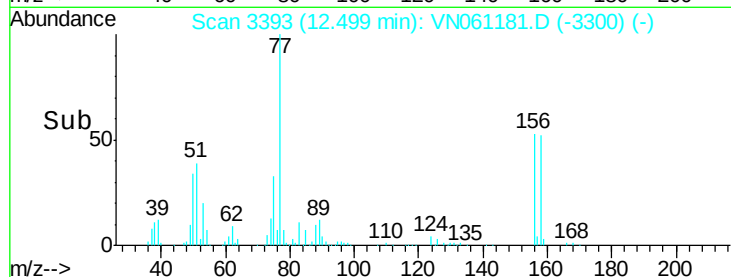
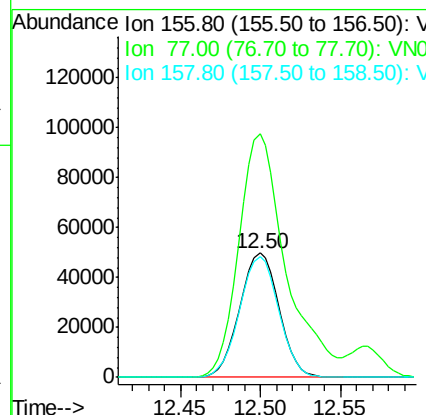
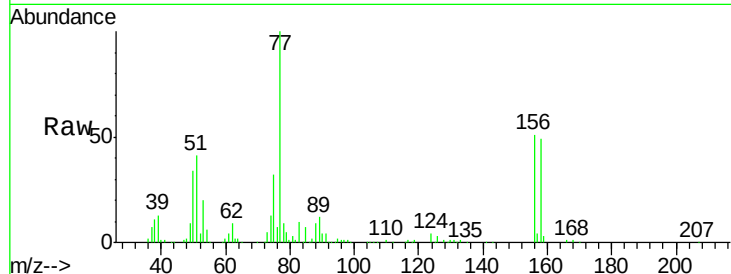
#77
Bromobenzene
Concen: 54.208 ug/l
RT: 12.50 min Scan# 3393
Delta R.T. 0.00 min
Lab File: VN061181.D
Acq: 29 Apr 2020 10:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	236.6	117.4	352.2
158	97.1	48.4	145.0

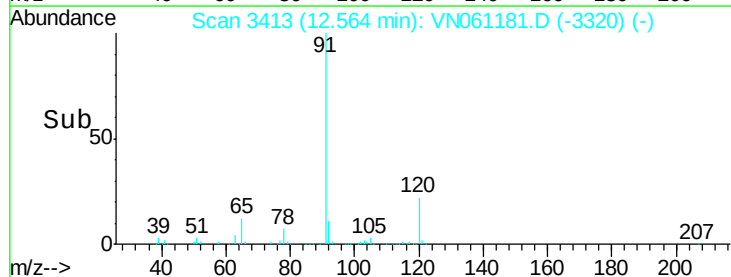
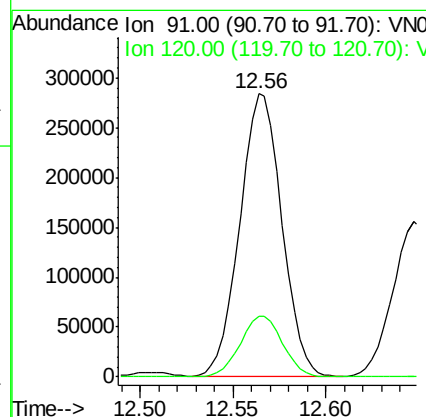
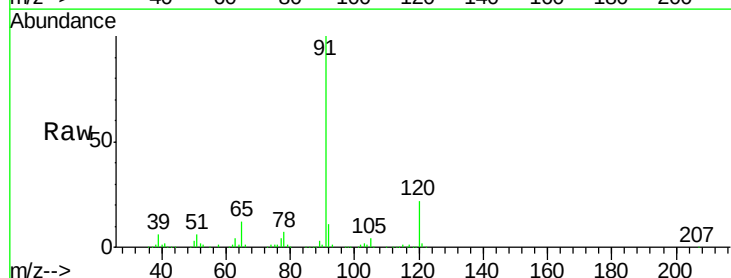
Manual Integrations
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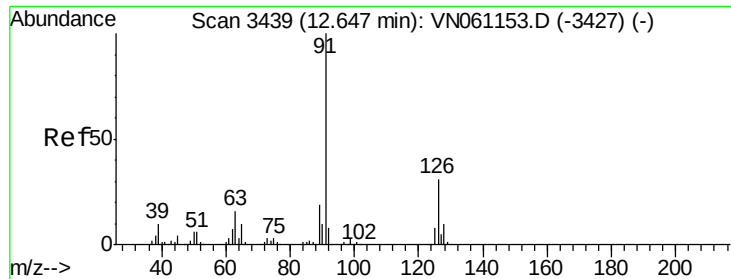
MMDadoda
4/30/2020 2:11:12 PM



#78
n-propylbenzene
Concen: 56.123 ug/l
RT: 12.56 min Scan# 3413
Delta R.T. -0.00 min
Lab File: VN061181.D
Acq: 29 Apr 2020 10:02

Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.8	10.8	32.3





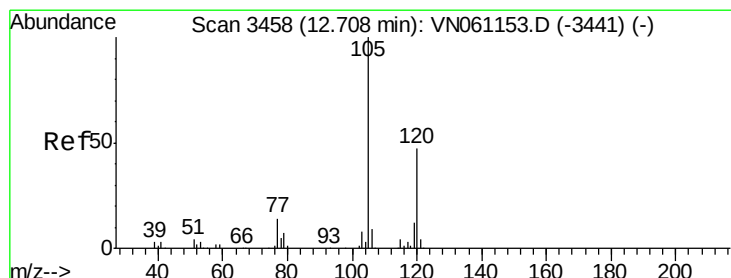
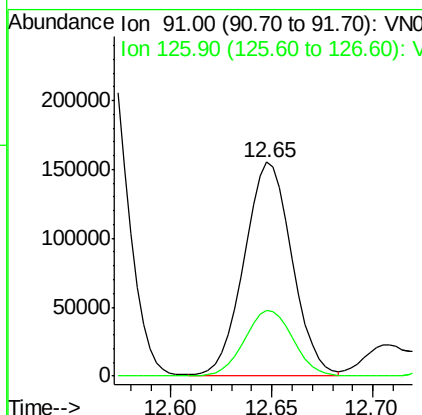
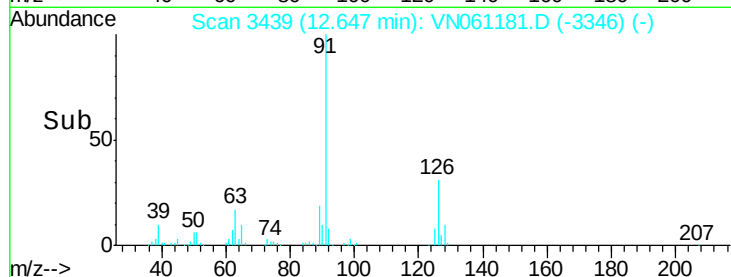
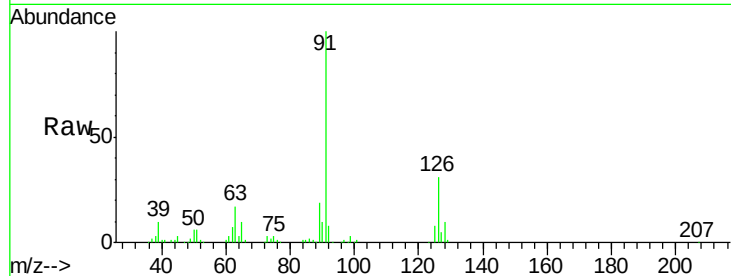
#79
 2-Chlorotoluene
 Concen: 55.040 ug/l
 RT: 12.65 min Scan# 3439
 Delta R.T. -0.00 min
 Lab File: VN061181.D
 Acq: 29 Apr 2020 10:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 91 Resp: 255823
 Ion Ratio Lower Upper
 91 100
 126 31.6 15.9 47.7

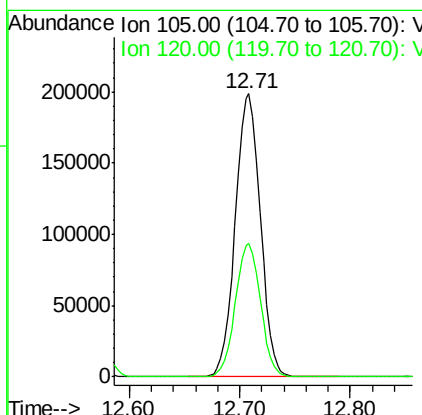
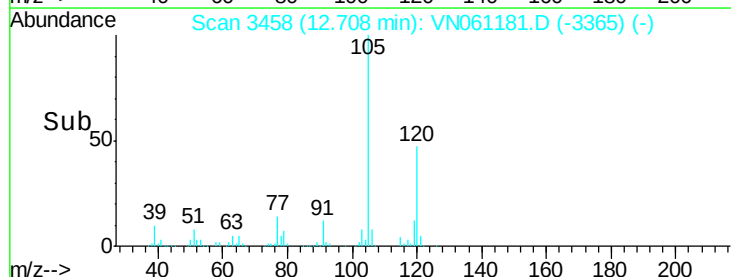
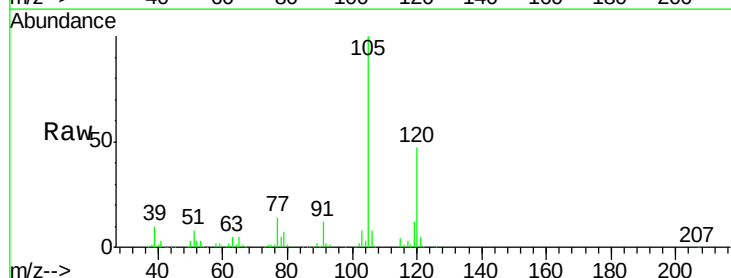
Manual Integrations
 APPROVED

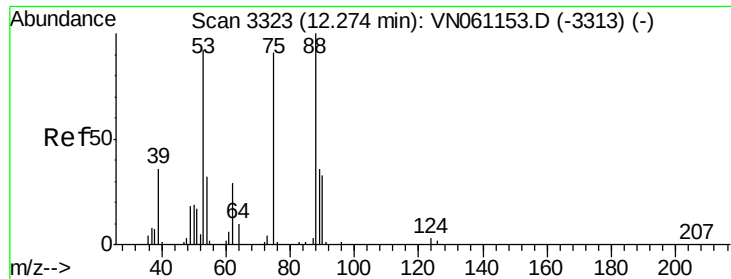
MMDadoda
 4/30/2020 2:11:12 PM



#80
 1,3,5-Trimethylbenzene
 Concen: 56.796 ug/l
 RT: 12.71 min Scan# 3458
 Delta R.T. 0.00 min
 Lab File: VN061181.D
 Acq: 29 Apr 2020 10:02

Tgt Ion: 105 Resp: 313396
 Ion Ratio Lower Upper
 105 100
 120 47.2 23.9 71.7





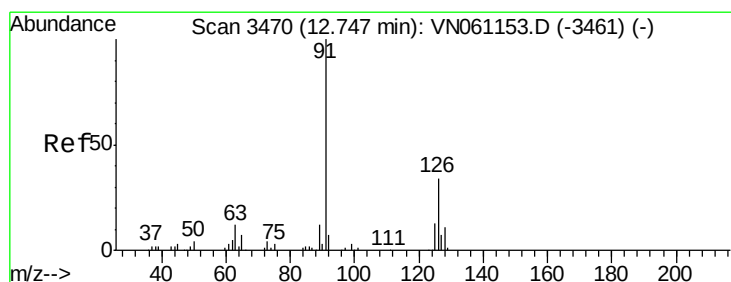
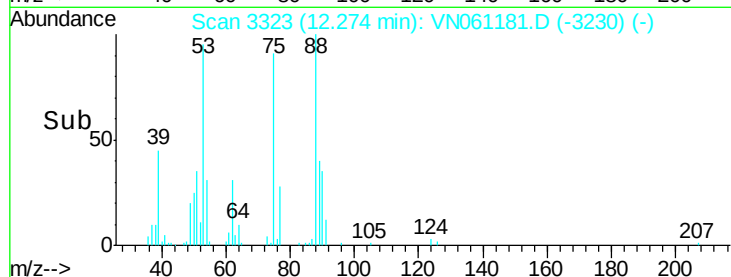
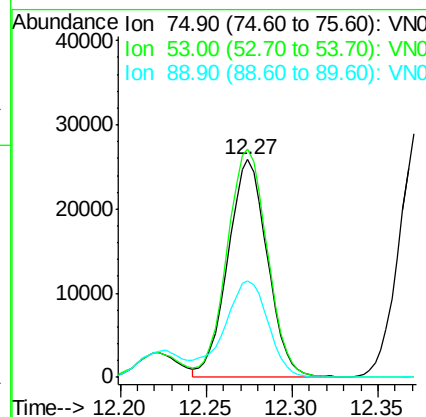
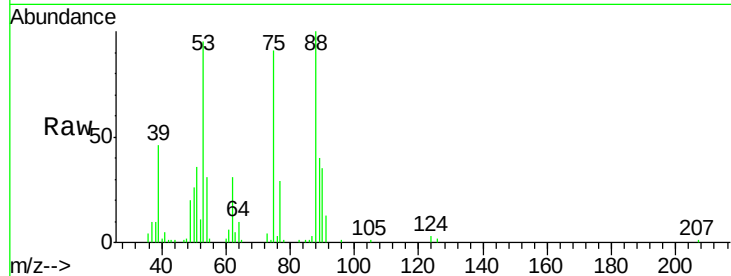
#81
trans-1,4-Dichloro-2-butene
Concen: 55.040 ug/l
RT: 12.27 min Scan# 3323
Delta R.T. 0.00 min
Lab File: VN061181.D
Acq: 29 Apr 2020 10:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	107.1	84.1	126.1
89	49.3	35.2	52.8

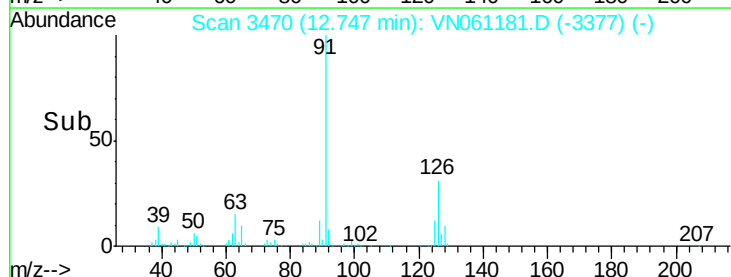
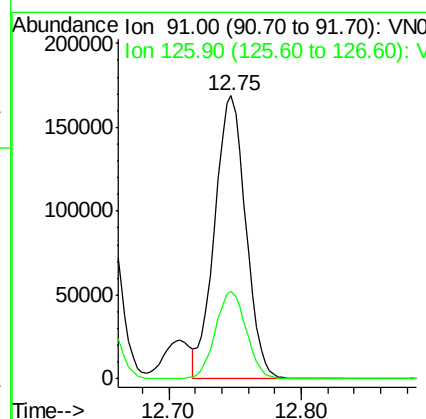
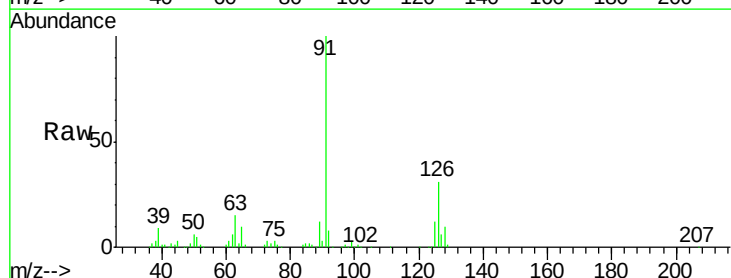
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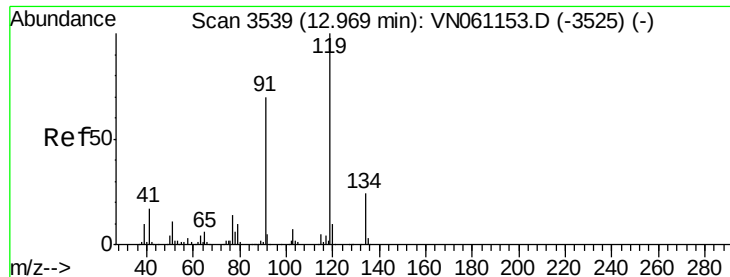
MMDadoda
4/30/2020 2:11:12 PM



#82
4-Chlorotoluene
Concen: 56.174 ug/l
RT: 12.75 min Scan# 3470
Delta R.T. 0.00 min
Lab File: VN061181.D
Acq: 29 Apr 2020 10:02

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.7	15.7	47.1





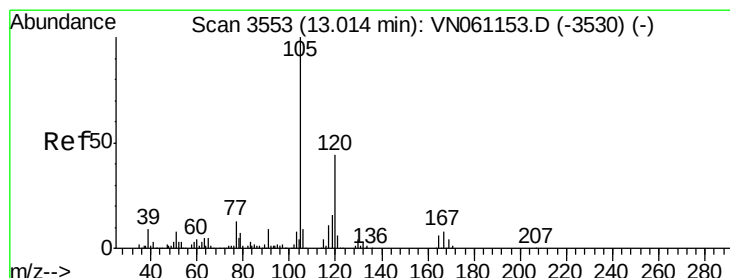
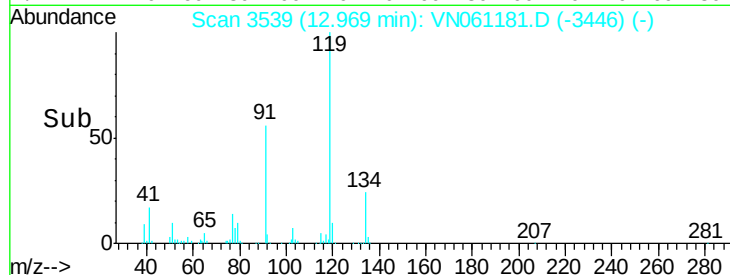
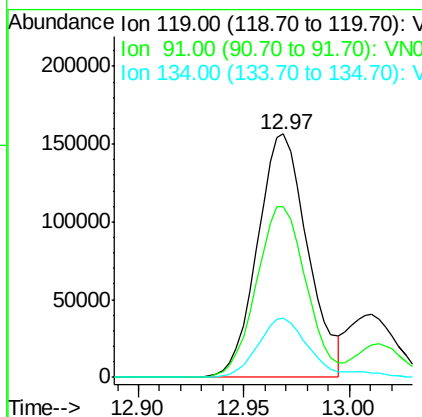
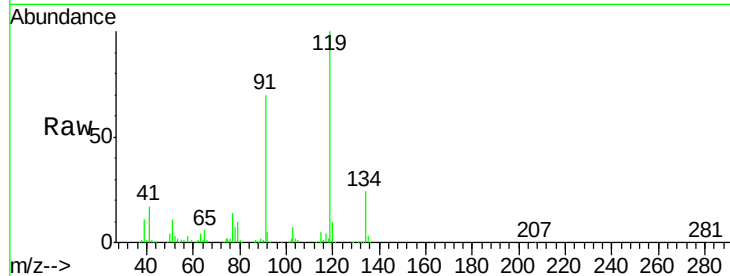
#83
 tert-Butylbenzene
 Concen: 55.723 ug/l
 RT: 12.97 min Scan# 3539
 Delta R.T. 0.00 min
 Lab File: VN061181.D
 Acq: 29 Apr 2020 10:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	69.3	34.8	104.4
134	25.8	12.9	38.7

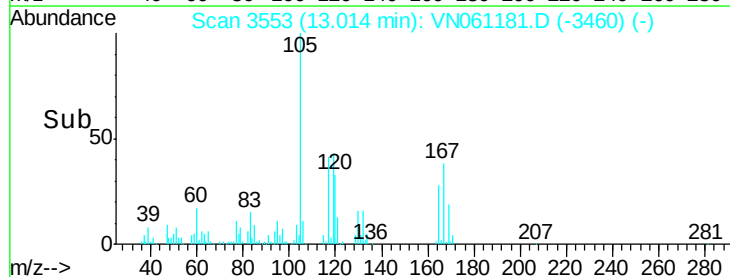
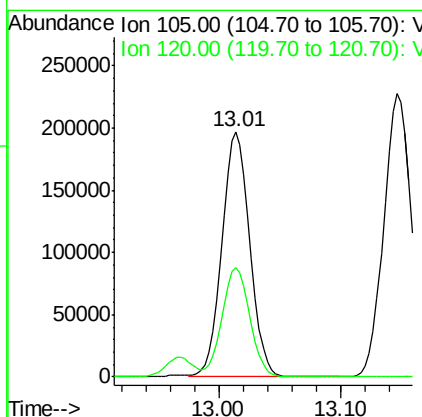
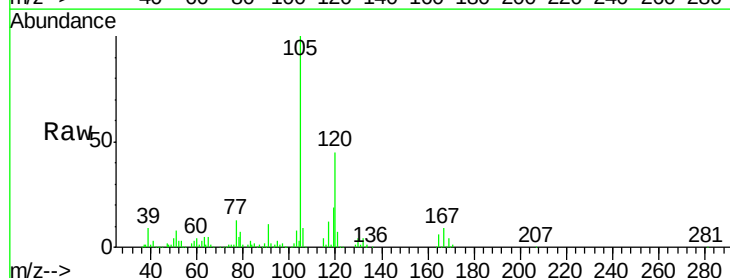
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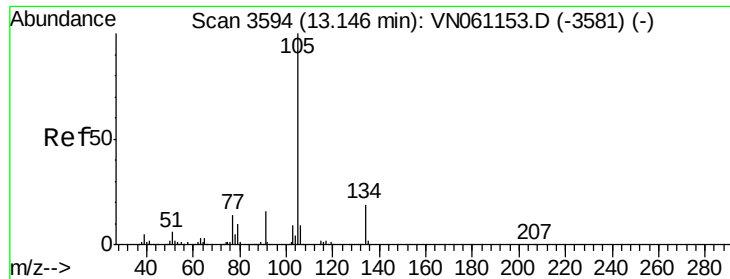
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#84
 1,2,4-Trimethylbenzene
 Concen: 55.466 ug/l
 RT: 13.01 min Scan# 3553
 Delta R.T. 0.00 min
 Lab File: VN061181.D
 Acq: 29 Apr 2020 10:02

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.6	22.2	66.6





#85

sec-Butylbenzene

Concen: 56.882 ug/l

RT: 13.15 min Scan# 3594

Delta R.T. 0.00 min

Lab File: VN061181.D

Acq: 29 Apr 2020 10:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 360826

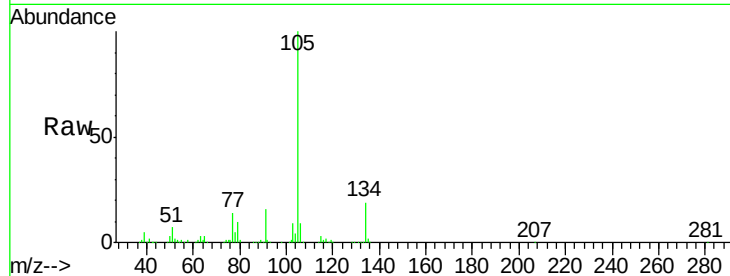
Ion Ratio Lower Upper

105 100

134 19.0 9.6 28.8

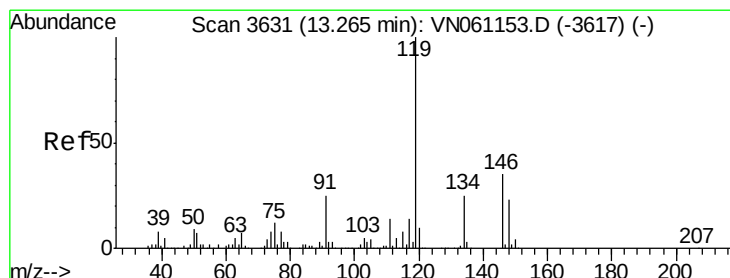
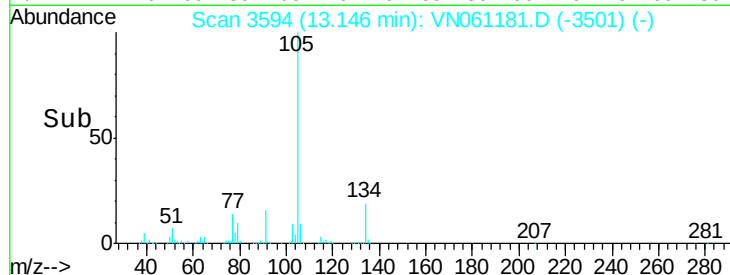
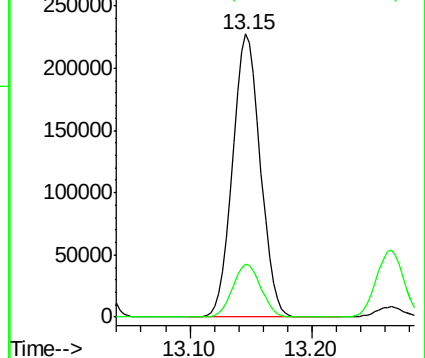
Manual Integrations
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 57.603 ug/l

RT: 13.26 min Scan# 3631

Delta R.T. 0.00 min

Lab File: VN061181.D

Acq: 29 Apr 2020 10:02

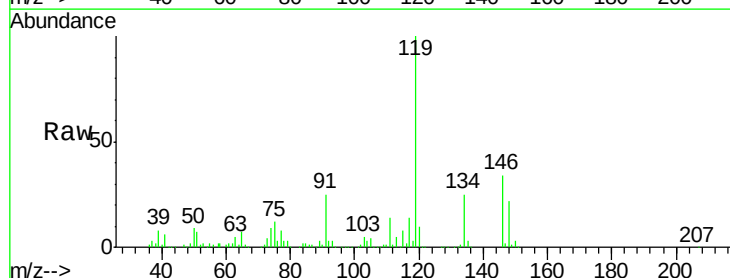
Tgt Ion:119 Resp: 329221

Ion Ratio Lower Upper

119 100

134 25.5 12.6 37.6

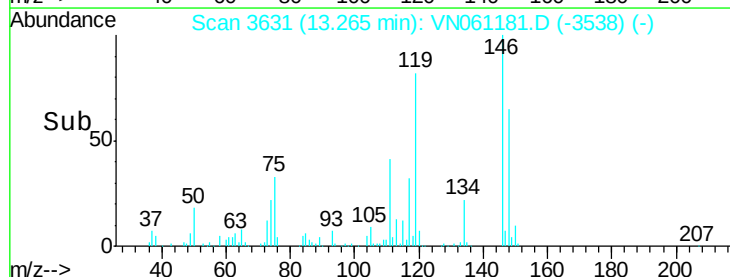
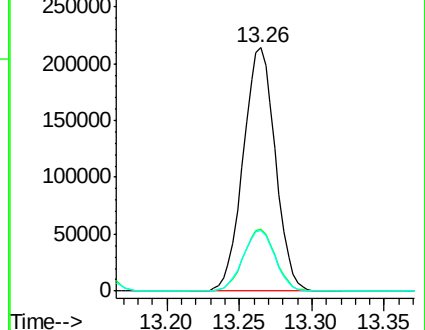
91 25.1 12.7 38.0

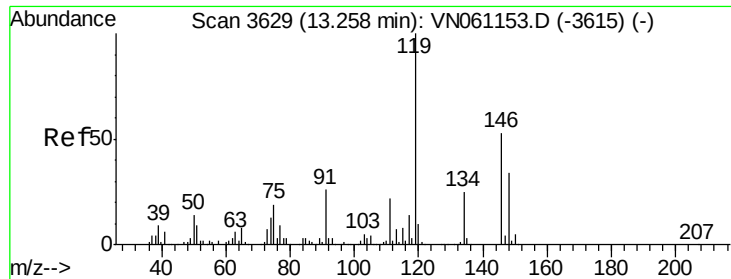


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





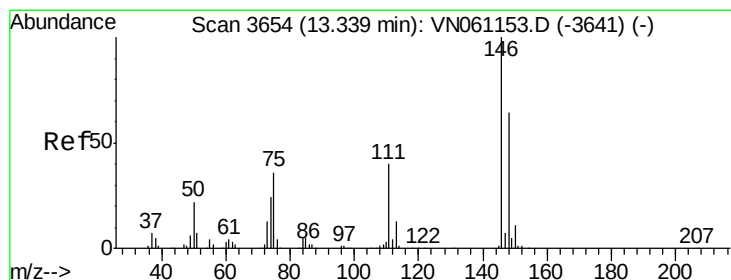
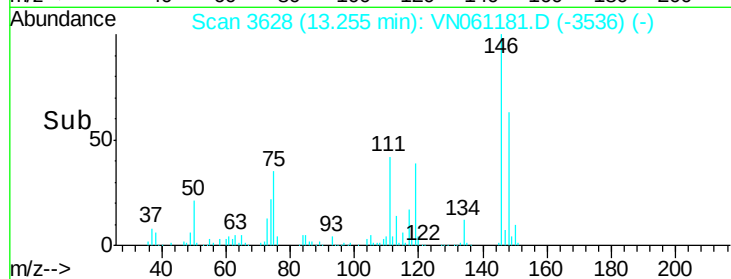
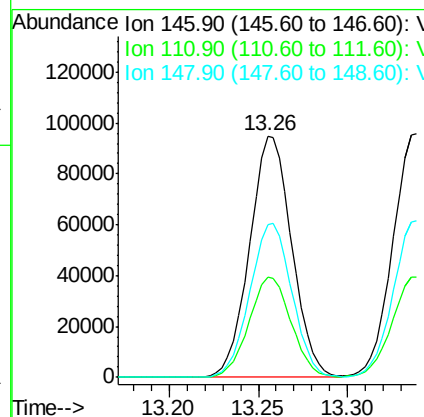
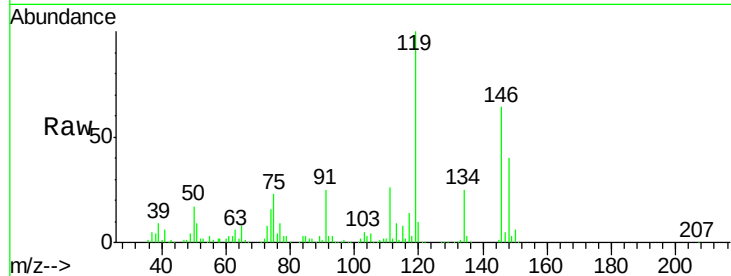
#87
 1,3-Dichlorobenzene
 Concen: 55.256 ug/l
 RT: 13.26 min Scan# 3628
 Delta R.T. -0.00 min
 Lab File: VN061181.D
 Acq: 29 Apr 2020 10:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.6	20.7	62.1
148	63.6	31.8	95.3

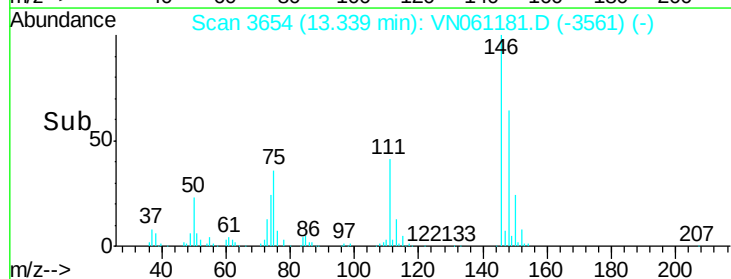
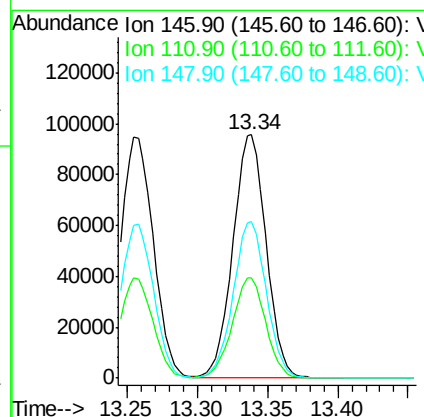
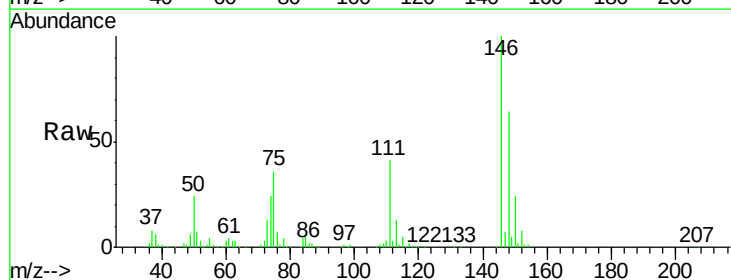
Manual Integrations
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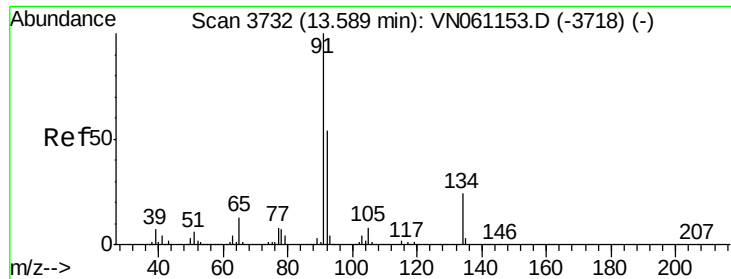
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#88
 1,4-Dichlorobenzene
 Concen: 54.563 ug/l
 RT: 13.34 min Scan# 3654
 Delta R.T. 0.00 min
 Lab File: VN061181.D
 Acq: 29 Apr 2020 10:02

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.5	20.4	61.3
148	64.1	31.9	95.7





#89

n-Butylbenzene

Concen: 59.009 ug/l

RT: 13.59 min Scan# 3732

Delta R.T. -0.00 min

Lab File: VN061181.D

Acq: 29 Apr 2020 10:02

Instrument :

MSVOA_N

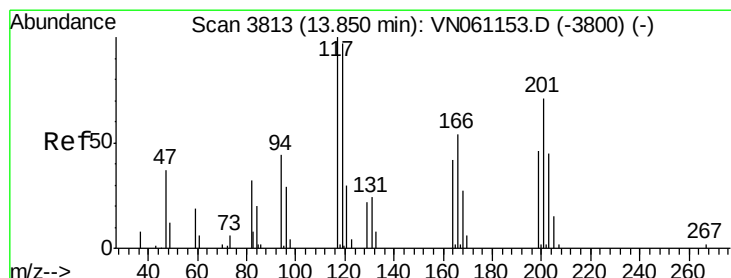
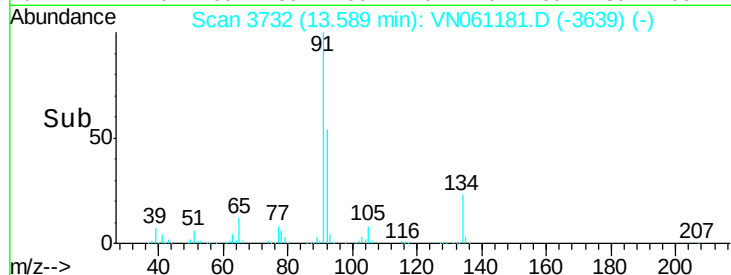
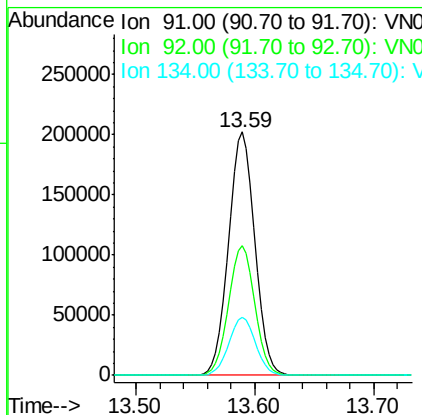
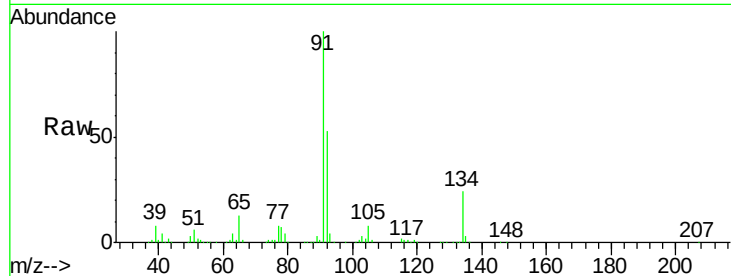
ClientSampleId :

VSTDCCC050

Tot Ion:	91	Resp:	309179
Ion Ratio	Lower	Upper	
91	100		
92	53.2	26.8	80.3
134	24.3	11.9	35.5

Manual Integrations
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#90

Hexachloroethane

Concen: 57.500 ug/l

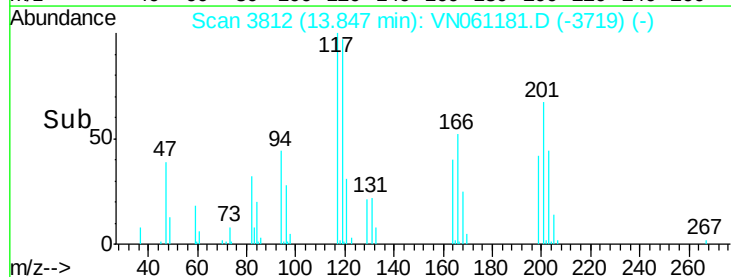
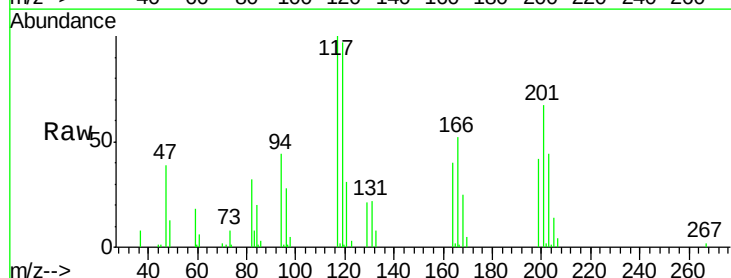
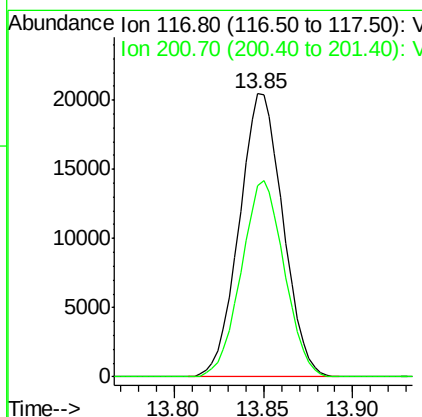
RT: 13.85 min Scan# 3812

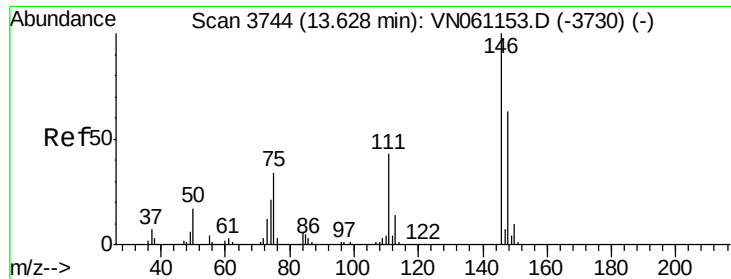
Delta R.T. -0.00 min

Lab File: VN061181.D

Acq: 29 Apr 2020 10:02

Tgt Ion:	117	Resp:	35083
Ion Ratio	Lower	Upper	
117	100		
201	68.0	35.5	106.7





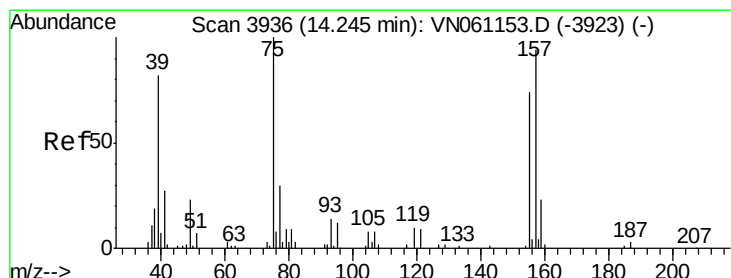
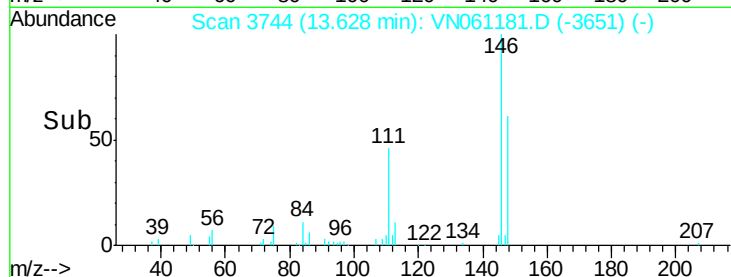
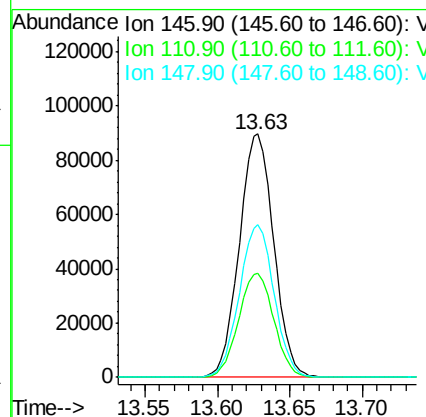
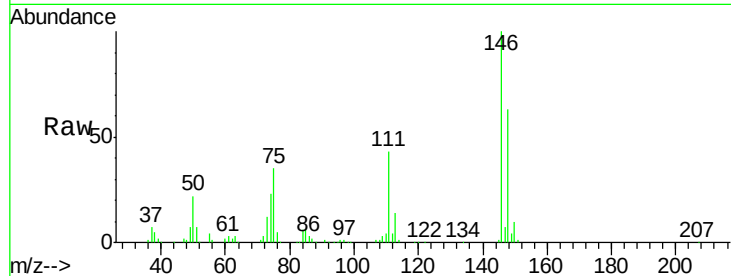
#91
 1,2-Dichlorobenzene
 Concen: 54.560 ug/l
 RT: 13.63 min Scan# 3744
 Delta R.T. -0.00 min
 Lab File: VN061181.D
 Acq: 29 Apr 2020 10:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.6	21.8	65.3
148	63.3	31.6	95.0

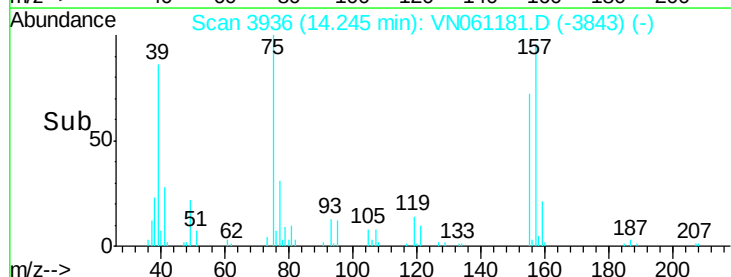
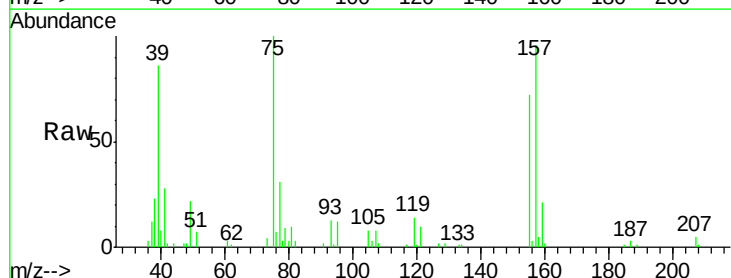
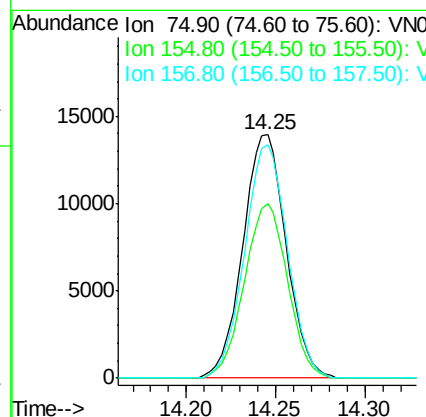
Manual Integrations
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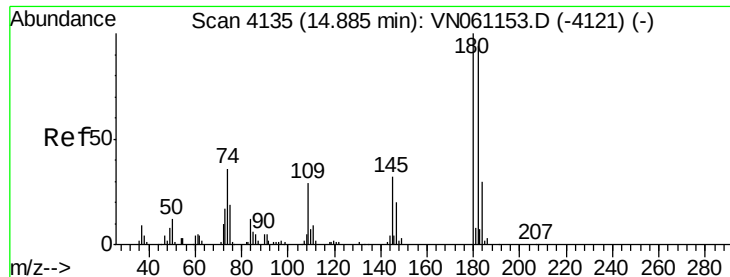
MMDadoda
 4/30/2020 2:11:12 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 53.939 ug/l
 RT: 14.25 min Scan# 3936
 Delta R.T. 0.00 min
 Lab File: VN061181.D
 Acq: 29 Apr 2020 10:02

Tgt Ion	Ratio	Lower	Upper
75	100		
155	71.5	36.5	109.7
157	94.9	46.6	139.7





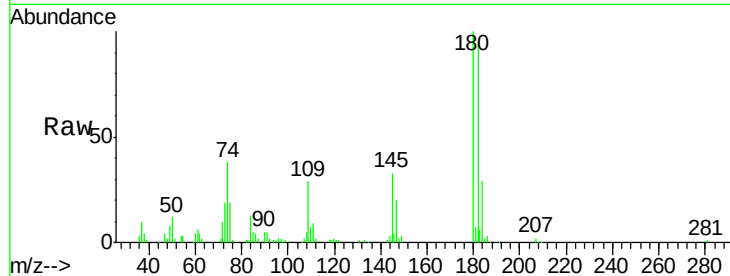
#93
 1,2,4-Trichlorobenzene
 Concen: 56.486 ug/l
 RT: 14.88 min Scan# 4134
 Delta R.T. -0.00 min
 Lab File: VN061181.D
 Acq: 29 Apr 2020 10:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

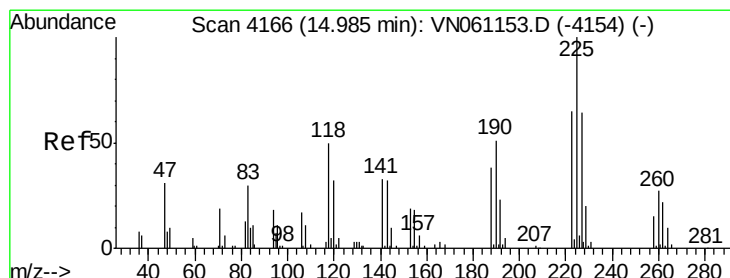
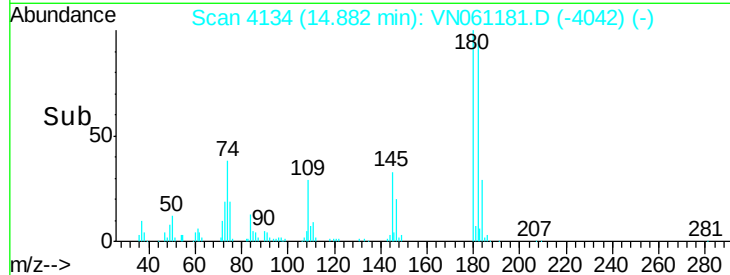
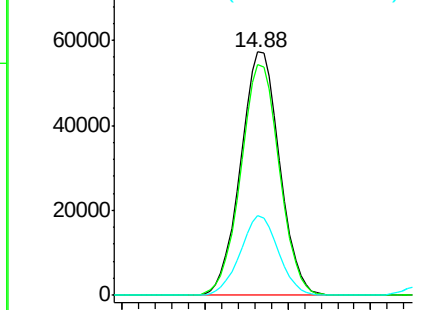
Tot Ion	Ratio	Lower	Upper
180	100		
182	94.0	47.3	141.9
145	32.1	16.0	47.9

Manual Integrations
 APPROVED

MMDadoda
 4/30/2020 2:11:12 PM

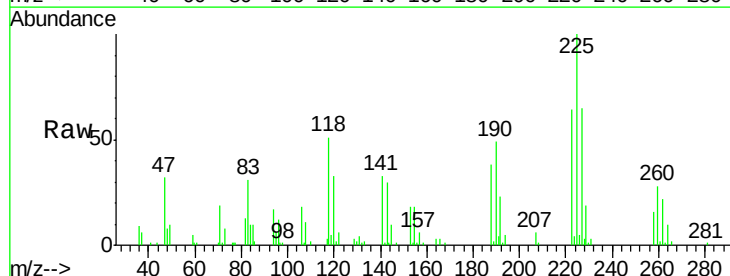


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

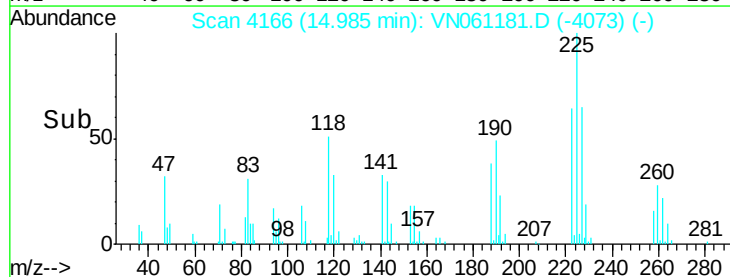
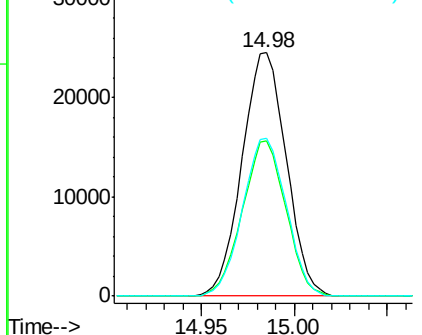


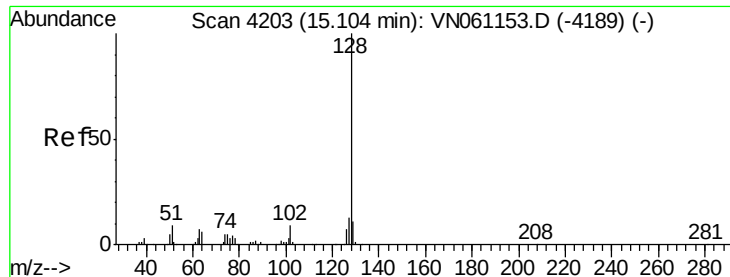
#94
 Hexachlorobutadiene
 Concen: 58.961 ug/l
 RT: 14.98 min Scan# 4166
 Delta R.T. 0.00 min
 Lab File: VN061181.D
 Acq: 29 Apr 2020 10:02

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.5	32.4	97.0
227	63.9	32.4	97.0



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 53.786 ug/l

RT: 15.10 min Scan# 4203

Delta R.T. 0.00 min

Lab File: VN061181.D

Acq: 29 Apr 2020 10:02

Instrument :

MSVOA_N

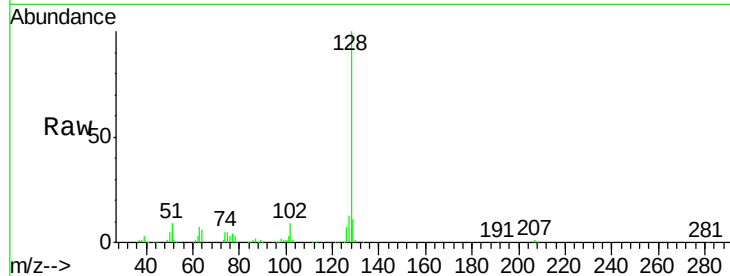
ClientSampleId :

VSTDCCC050

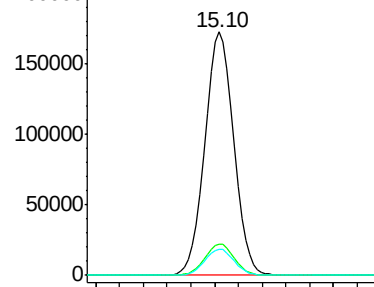
Tot Ion:	128	Resp:	289767
Ion Ratio	Lower	Upper	
128	100		
127	12.9	10.4	15.6
129	11.0	8.7	13.1

Manual Integrations
APPROVED

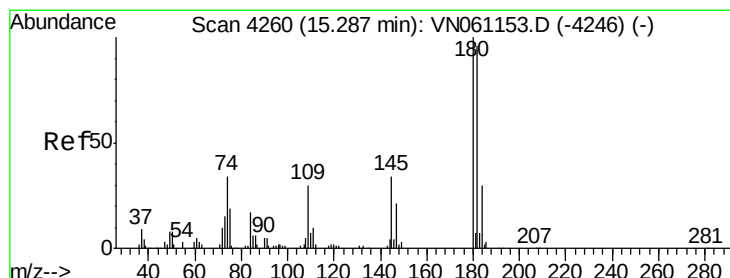
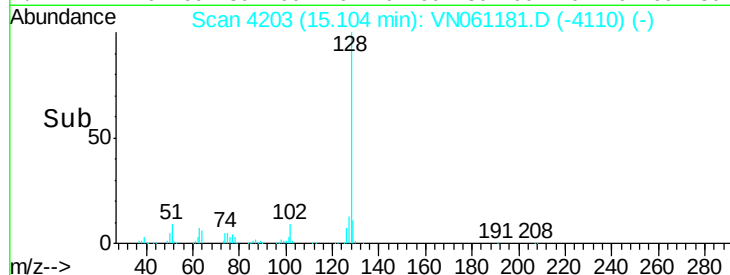
MMDadoda
4/30/2020 2:11:12 PM



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



Time--> 15.00 15.10 15.20



#96

1,2,3-Trichlorobenzene

Concen: 54.085 ug/l

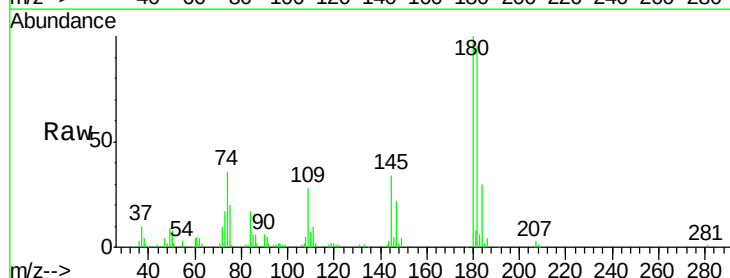
RT: 15.28 min Scan# 4259

Delta R.T. -0.00 min

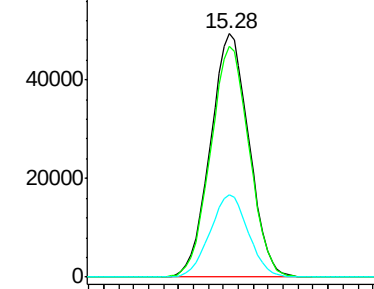
Lab File: VN061181.D

Acq: 29 Apr 2020 10:02

Tgt Ion:	180	Resp:	88334
Ion Ratio	Lower	Upper	
180	100		
182	95.1	47.5	142.5
145	33.6	16.9	50.7



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V



Time--> 15.20 15.25 15.30 15.35

