

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN022120\
 Data File : VN060179.D
 Acq On : 21 Feb 2020 10:20
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 2/24/2020 11:41:02 AM

Quant Time: Feb 21 22:33:28 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N021220W.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 12 14:12:21 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	189000	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	298210	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	281908	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	144159	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.00	65	115666	50.29	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	100.58%	
35) Dibromofluoromethane	7.56	113	90186	49.20	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	98.40%	
50) Toluene-d8	10.08	98	352374	48.81	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	97.62%	
62) 4-Bromofluorobenzene	12.39	95	134382	50.66	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	101.32%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	93420	49.451	ug/l	99
3) Chloromethane	2.04	50	107586	47.855	ug/l	98
4) Vinyl Chloride	2.17	62	124205	48.469	ug/l	100
5) Bromomethane	2.54	94	78163	49.745	ug/l	97
6) Chloroethane	2.68	64	65131	50.251	ug/l	97
7) Trichlorofluoromethane	3.00	101	163699	49.547	ug/l	99
8) Diethyl Ether	3.38	74	58006	52.743	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.73	101	91765	50.027	ug/l	99
10) Methyl Iodide	3.93	142	127357	51.580	ug/l	99
11) Tert butyl alcohol	4.73	59	87006	252.811	ug/l	99
12) 1,1-Dichloroethene	3.71	96	89354	50.004	ug/l	97
13) Acrolein	3.57	56	96543	283.803	ug/l	97
14) Allyl chloride	4.29	41	135221	51.413	ug/l	96
15) Acrylonitrile	4.94	53	228579	271.965	ug/l	99
16) Acetone	3.78	43	243622	242.854	ug/l	99
17) Carbon Disulfide	4.03	76	252861	46.947	ug/l	100
18) Methyl Acetate	4.28	43	105333	55.896	ug/l	99
19) Methyl tert-butyl Ether	5.00	73	308640	51.360	ug/l	99
20) Methylene Chloride	4.52	84	100695	50.313	ug/l	98
21) trans-1,2-Dichloroethene	5.01	96	99455	51.058	ug/l	97
22) Diisopropyl ether	5.91	45	308272	53.482	ug/l	96
23) Vinyl Acetate	5.86	43	1307012	270.017	ug/l	98
24) 1,1-Dichloroethane	5.82	63	180589	51.718	ug/l	99
25) 2-Butanone	6.80	43	333661	264.463	ug/l	98
26) 2,2-Dichloropropane	6.79	77	169834	51.208	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	116376	51.050	ug/l	99
28) Bromochloromethane	7.17	49	72083	52.510	ug/l	99
29) Tetrahydrofuran	7.18	42	203333	262.704	ug/l	98
30) Chloroform	7.34	83	189884	51.913	ug/l	98
31) Cyclohexane	7.63	56	160467	49.333	ug/l	99
32) 1,1,1-Trichloroethane	7.54	97	171374	51.270	ug/l	99
36) 1,1-Dichloropropene	7.77	75	142375	51.545	ug/l	99
37) Ethyl Acetate	6.89	43	130629	52.328	ug/l	99
38) Carbon Tetrachloride	7.75	117	151116	50.375	ug/l	99

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	173467	50.592	ug/l	98
40) Benzene	8.02	78	415405	50.699	ug/l	100
41) Methacrylonitrile	7.14	41	55363m	52.883	ug/l	
42) 1,2-Dichloroethane	8.10	62	151546	52.772	ug/l	98
43) Isopropyl Acetate	8.14	43	227005	53.196	ug/l	99
44) Trichloroethene	8.81	130	115411	50.870	ug/l	100
45) 1,2-Dichloropropane	9.10	63	109797	54.127	ug/l	99
46) Dibromomethane	9.19	93	74790	52.173	ug/l	98
47) Bromodichloromethane	9.38	83	152322	52.265	ug/l	98
48) Methyl methacrylate	9.18	41	100531	52.508	ug/l	97
49) 1,4-Dioxane	9.18	88	34958	1068.639	ug/l	98
51) 4-Methyl-2-Pentanone	9.97	43	667860	270.390	ug/l	99
52) Toluene	10.14	92	273023	51.963	ug/l	98
53) t-1,3-Dichloropropene	10.37	75	176433	53.632	ug/l	98
54) cis-1,3-Dichloropropene	9.82	75	182351	52.641	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	107734	52.558	ug/l	99
56) Ethyl methacrylate	10.42	69	158546	54.676	ug/l	99
57) 1,3-Dichloropropane	10.69	76	175326	51.836	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	387126	286.571	ug/l	99
59) 2-Hexanone	10.74	43	509437	267.001	ug/l	100
60) Dibromochloromethane	10.89	129	122052	51.887	ug/l	99
61) 1,2-Dibromoethane	10.99	107	112287	52.256	ug/l	99
64) Tetrachloroethene	10.62	164	108513	50.635	ug/l	98
65) Chlorobenzene	11.42	112	294346	51.249	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	112651	51.848	ug/l	99
67) Ethyl Benzene	11.50	91	537659	51.904	ug/l	100
68) m/p-Xylenes	11.61	106	406447	104.544	ug/l	99
69) o-Xylene	11.94	106	193723	51.752	ug/l	99
70) Styrene	11.96	104	324916	53.826	ug/l	100
71) Bromoform	12.12	173	92914	53.168	ug/l #	99
73) Isopropylbenzene	12.24	105	534209	49.624	ug/l	100
74) N-amyl acetate	12.06	43	207239	53.387	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.50	83	155189	50.084	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	136112m	49.350	ug/l	
77) Bromobenzene	12.52	156	133190	49.855	ug/l	98
78) n-propylbenzene	12.59	91	619717	50.528	ug/l	100
79) 2-Chlorotoluene	12.67	91	358247	49.695	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	452419	50.546	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.29	75	59006	52.383	ug/l	100
82) 4-Chlorotoluene	12.77	91	378839	51.221	ug/l	99
83) tert-Butylbenzene	12.99	119	390274	49.290	ug/l	100
84) 1,2,4-Trimethylbenzene	13.03	105	451066	51.052	ug/l	100
85) sec-Butylbenzene	13.17	105	528668	50.416	ug/l	99
86) p-Isopropyltoluene	13.28	119	484440	50.990	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	243418	51.474	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	240696	50.908	ug/l	99
89) n-Butylbenzene	13.61	91	437616	52.368	ug/l	100
90) Hexachloroethane	13.87	117	87449	49.269	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	232712	50.284	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.26	75	32259	48.947	ug/l	99

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Quant Title : SW846 8260
QLast Update : Wed Feb 12 14:12:21 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	145189	53.393	ug/l	100
94) Hexachlorobutadiene	15.01	225	78477	49.297	ug/l	99
95) Naphthalene	15.13	128	367996	50.098	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	137544	50.792	ug/l	100

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

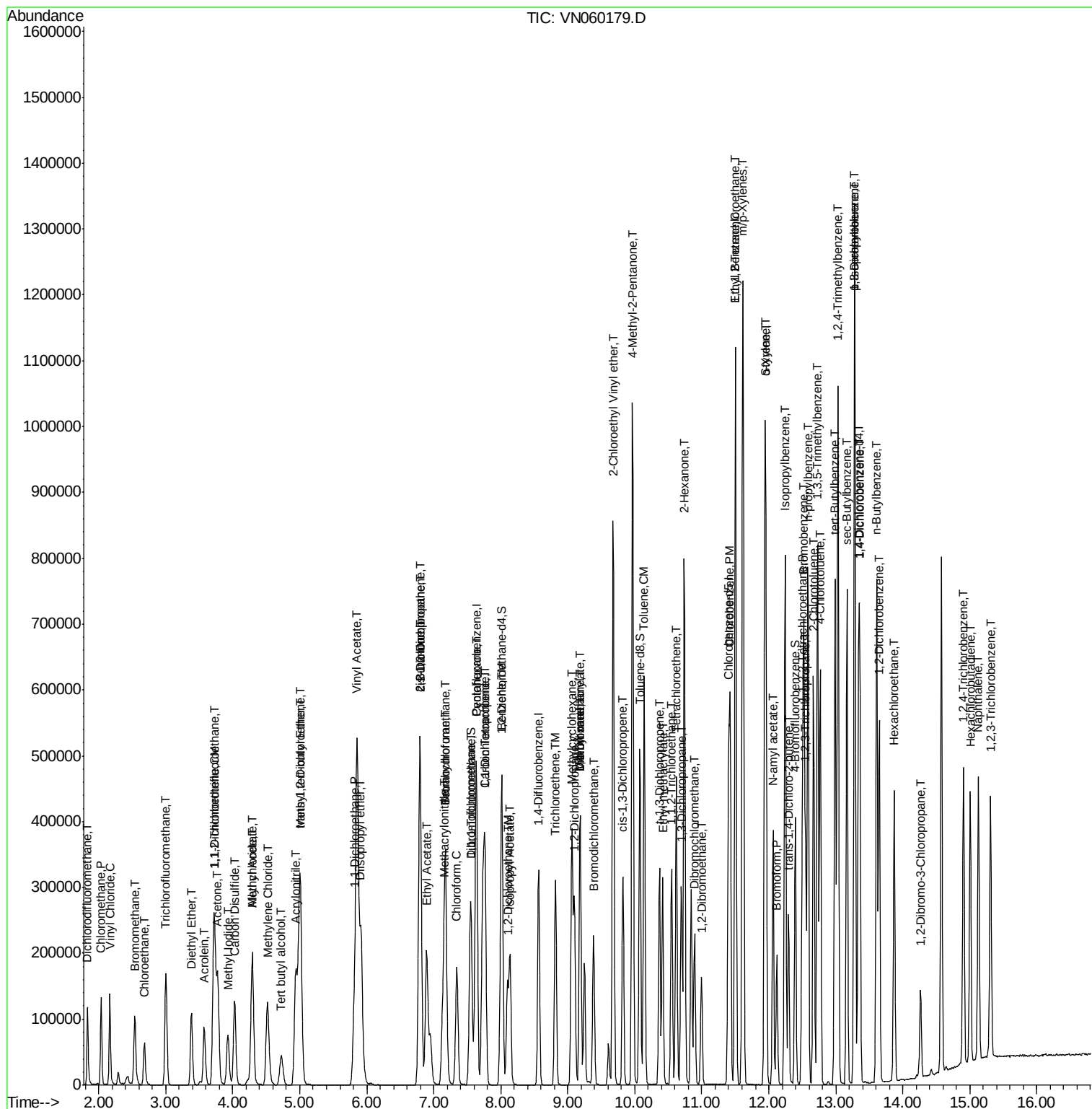
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN022120\
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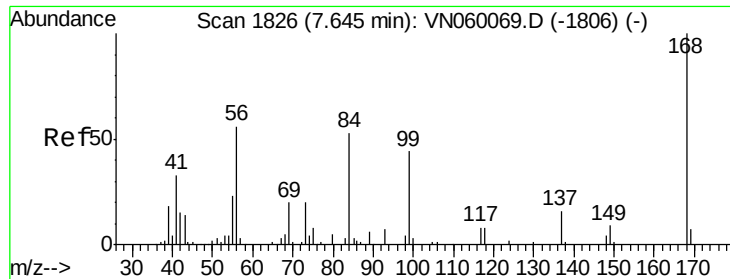
Instrument :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN060179.D

Acq: 21 Feb 2020 10:20

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 189000

Ion Ratio Lower Upper

168 100

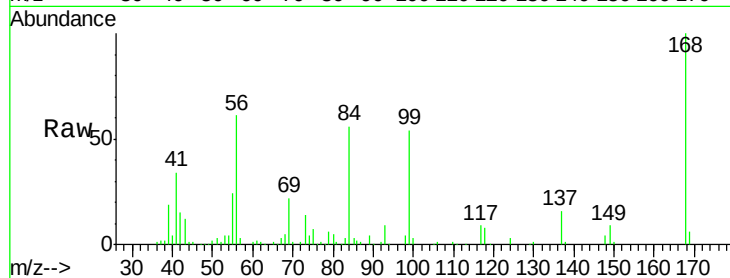
99 54.2 42.7 64.1

Manual Integrations

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2/24/2020 11:41:02 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.64

80000

60000

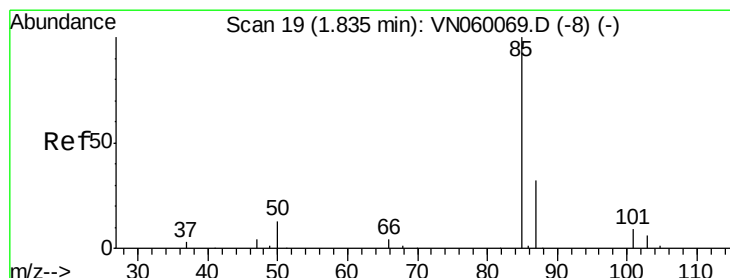
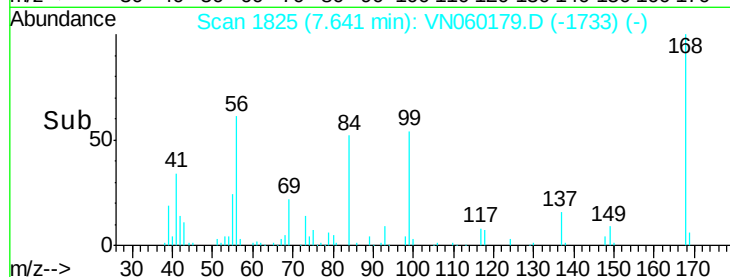
40000

20000

0

7.50 7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 49.451 ug/l

RT: 1.83 min Scan# 18

Delta R.T. -0.00 min

Lab File: VN060179.D

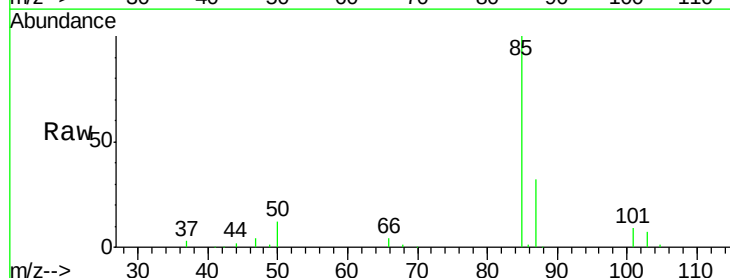
Acq: 21 Feb 2020 10:20

Tgt Ion: 85 Resp: 93420

Ion Ratio Lower Upper

85 100

87 31.7 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.83

60000

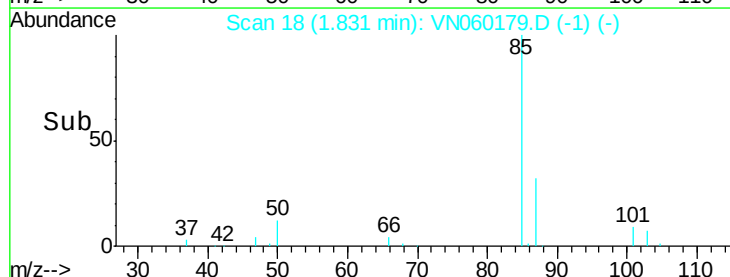
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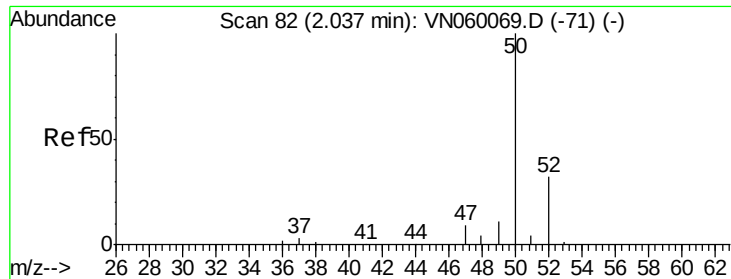
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0

1.75 1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 47.855 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN060179.D

Acq: 21 Feb 2020 10:20

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 107586

Ion Ratio Lower Upper

50 100

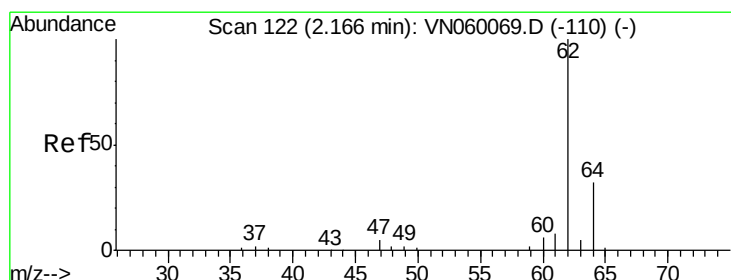
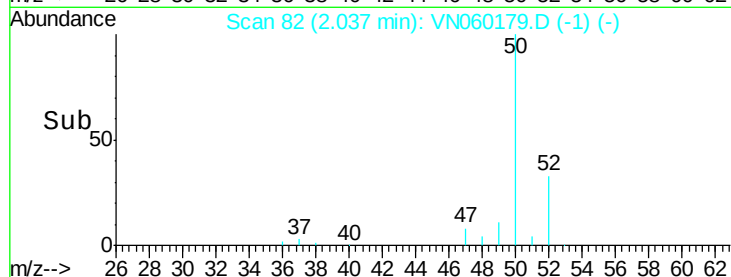
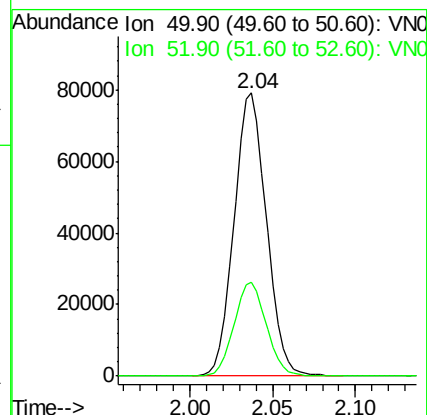
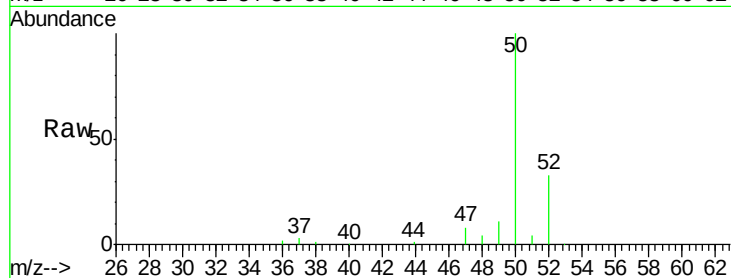
52 33.2 25.6 38.4

Manual Integrations

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#4

Vinyl Chloride

Concen: 48.469 ug/l

RT: 2.17 min Scan# 122

Delta R.T. 0.00 min

Lab File: VN060179.D

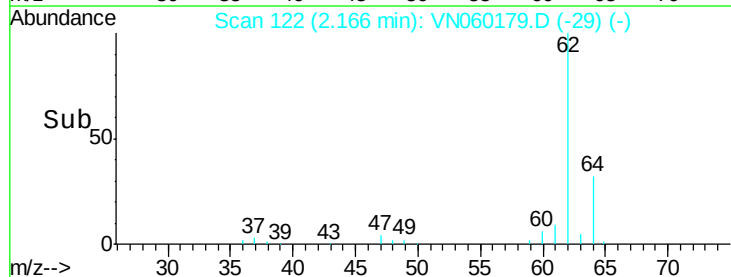
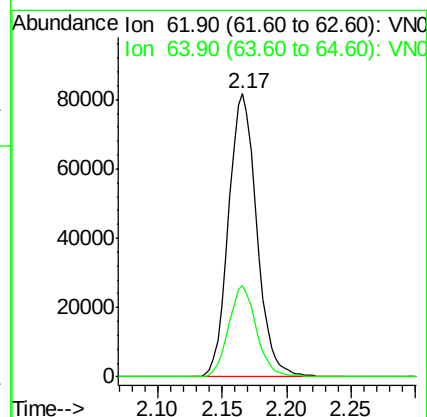
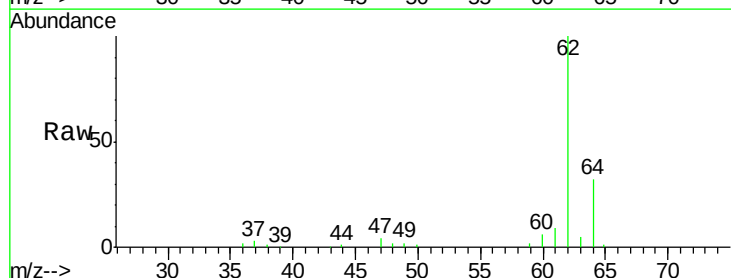
Acq: 21 Feb 2020 10:20

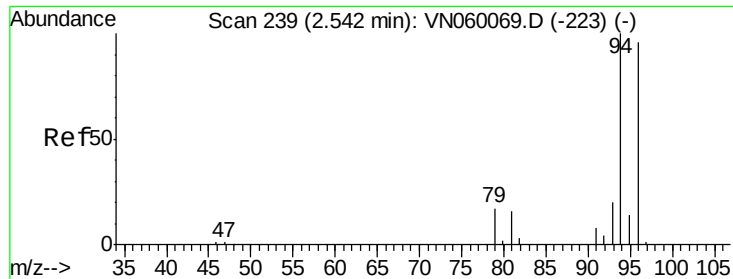
Tgt Ion: 62 Resp: 124205

Ion Ratio Lower Upper

62 100

64 32.1 25.9 38.9





#5

Bromomethane

Concen: 49.745 ug/l

RT: 2.54 min Scan# 238

Delta R.T. -0.00 min

Lab File: VN060179.D

Acq: 21 Feb 2020 10:20

Instrument :

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ClientSampleId :

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Tot Ion: 94 Resp: 78163

Ion Ratio Lower Upper

94 100

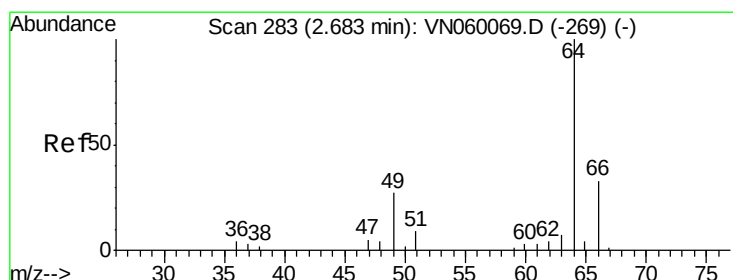
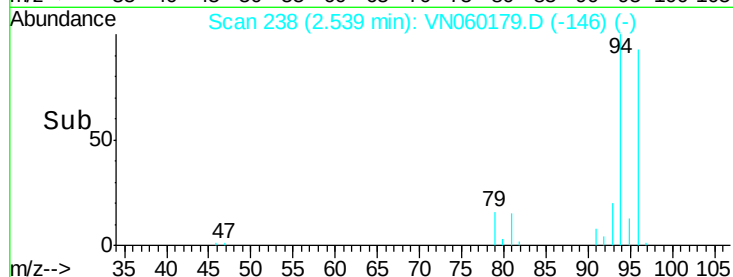
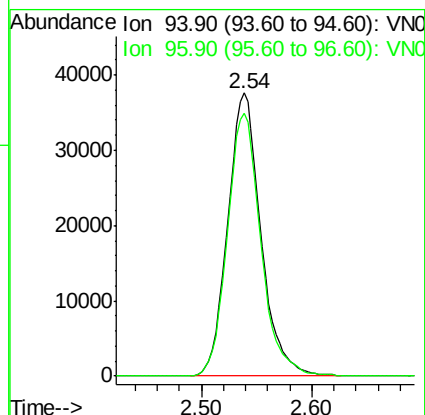
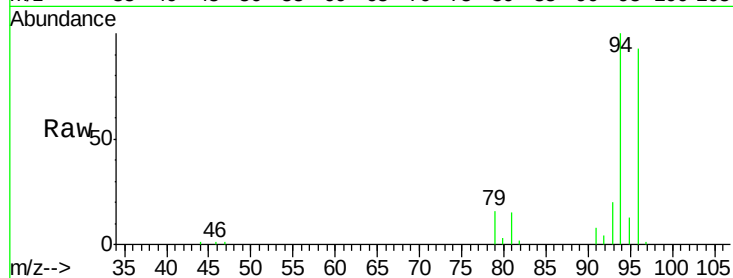
96 92.8 76.7 115.1

Manual Integrations

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2/24/2020 11:41:02 AM



#6

Chloroethane

Concen: 50.251 ug/l

RT: 2.68 min Scan# 283

Delta R.T. 0.00 min

Lab File: VN060179.D

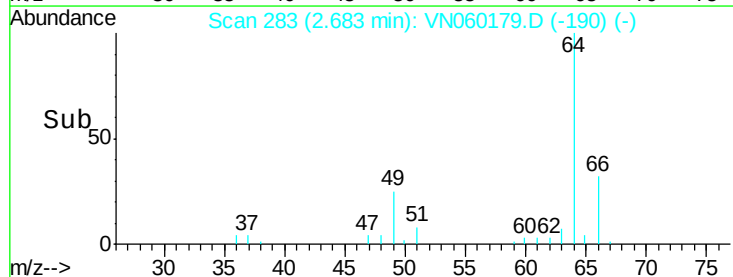
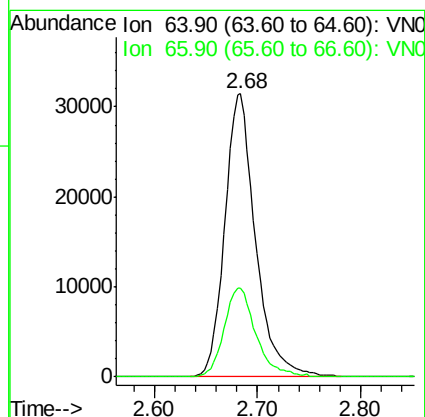
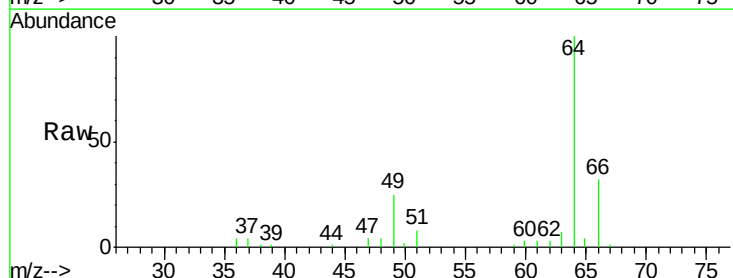
Acq: 21 Feb 2020 10:20

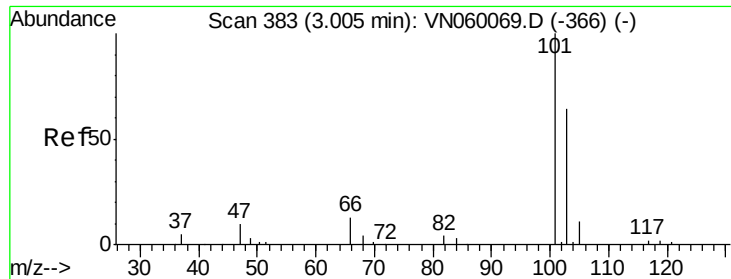
Tgt Ion: 64 Resp: 65131

Ion Ratio Lower Upper

64 100

66 31.5 26.6 40.0





#7

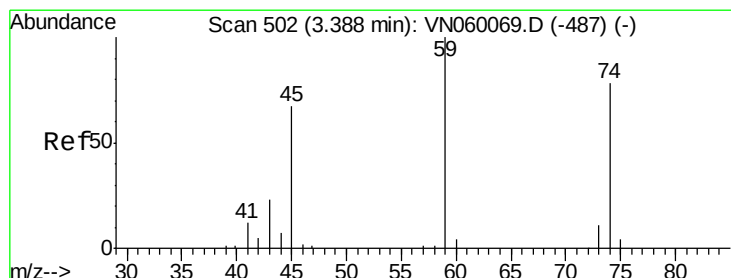
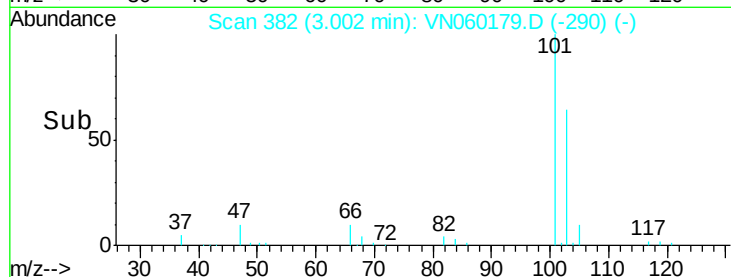
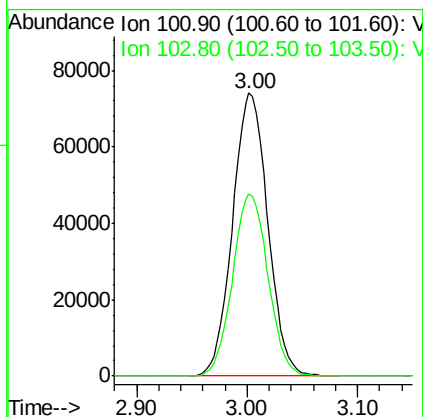
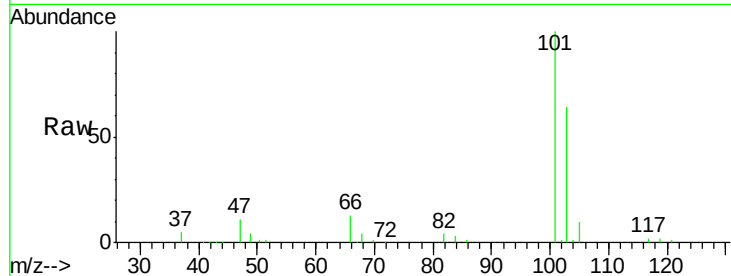
Trichlorofluoromethane
Concen: 49.547 ug/l
RT: 3.00 min Scan# 382
Delta R.T. -0.00 min
Lab File: VN060179.D
Acq: 21 Feb 2020 10:20

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Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		163699		
103	64.5	51.0	76.6		

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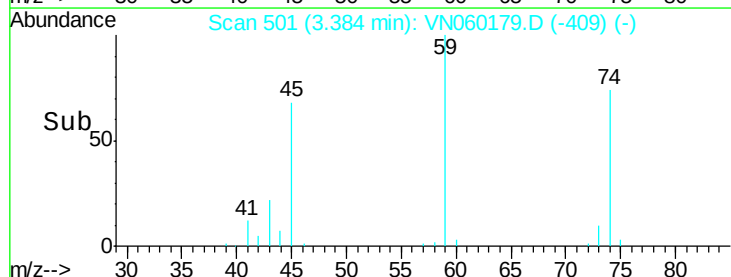
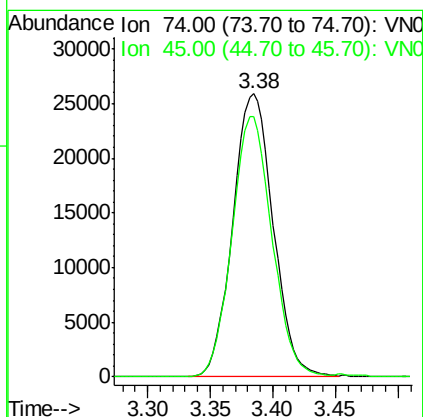
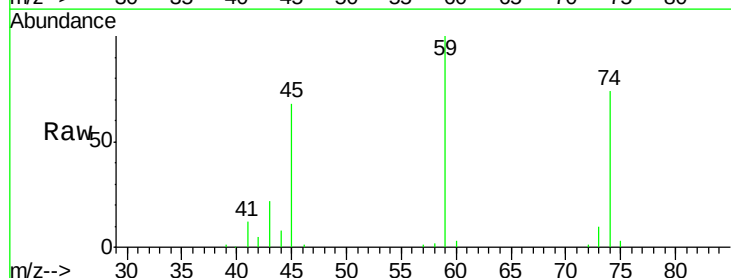
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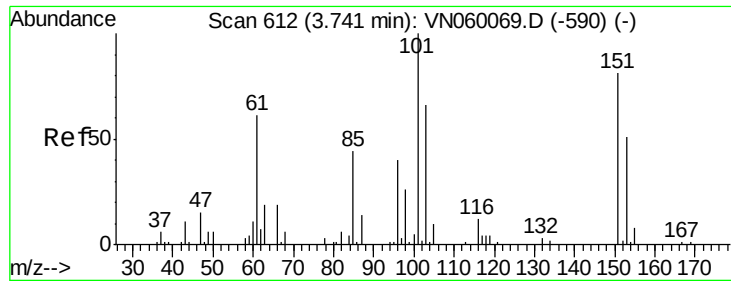


#8

Diethyl Ether
Concen: 52.743 ug/l
RT: 3.38 min Scan# 501
Delta R.T. -0.00 min
Lab File: VN060179.D
Acq: 21 Feb 2020 10:20

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		58006		
45	90.9	44.7	134.1		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.027 ug/l

RT: 3.73 min Scan# 610

Delta R.T. -0.01 min

Lab File: VN060179.D

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MSVOA_N

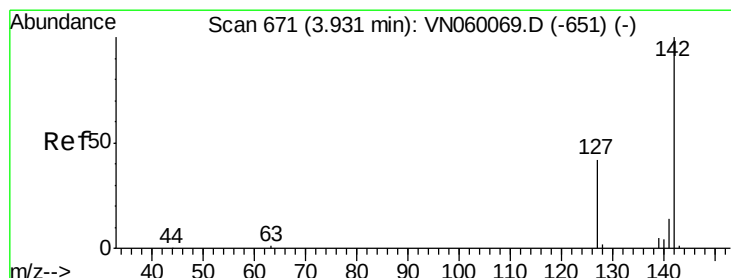
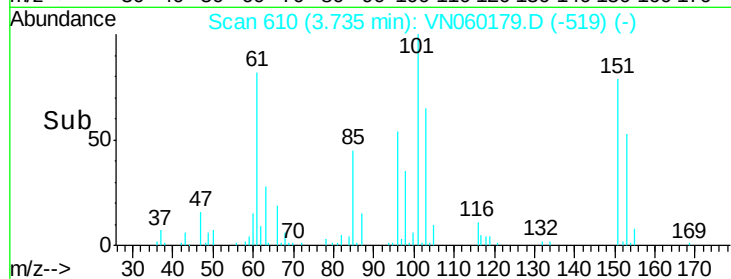
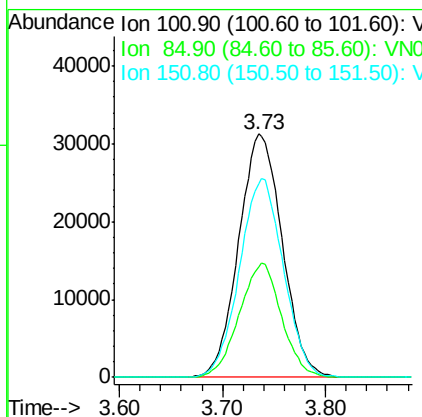
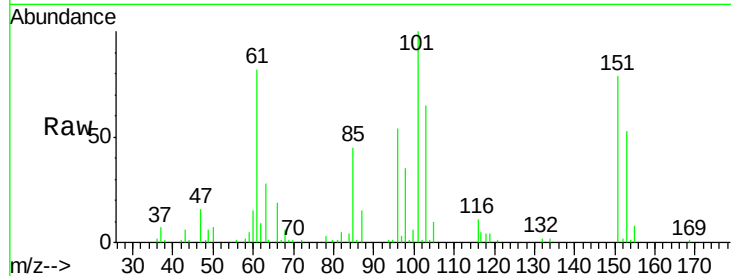
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	91765
Ion Ratio	Lower	Upper	
101	100		
85	45.5	35.1	52.7
151	82.1	65.8	98.6

Manual Integrations
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#10

Methyl Iodide

Concen: 51.580 ug/l

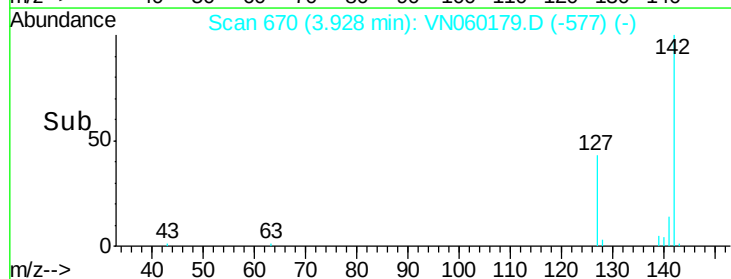
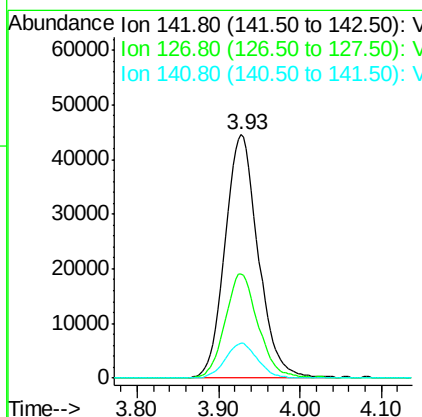
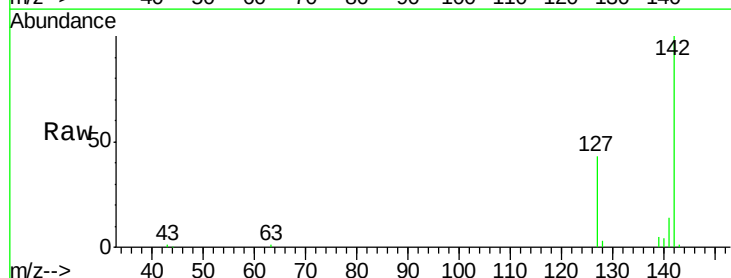
RT: 3.93 min Scan# 670

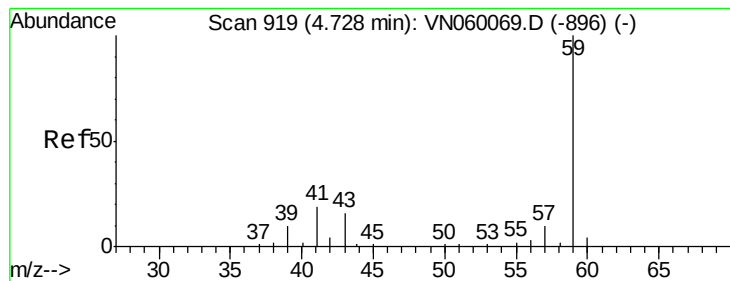
Delta R.T. -0.00 min

Lab File: VN060179.D

Acq: 21 Feb 2020 10:20

Tgt Ion:	142	Resp:	127357
Ion Ratio	Lower	Upper	
142	100		
127	42.6	33.6	50.4
141	13.8	11.4	17.2





#11

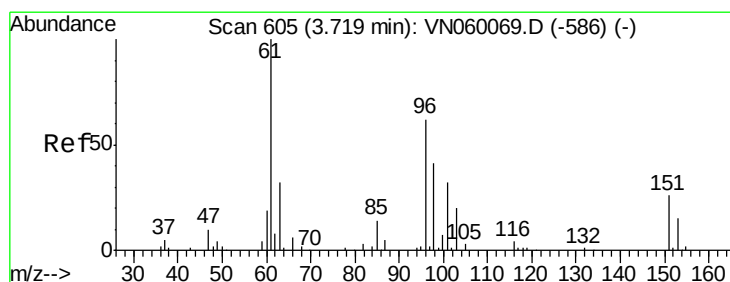
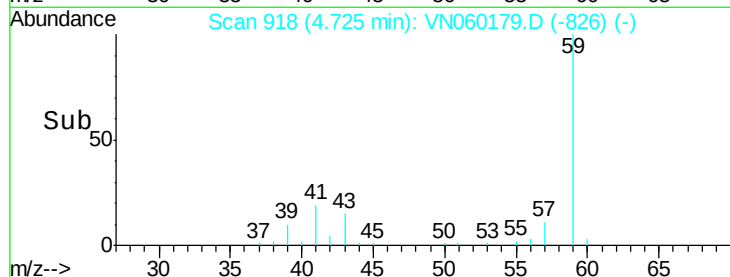
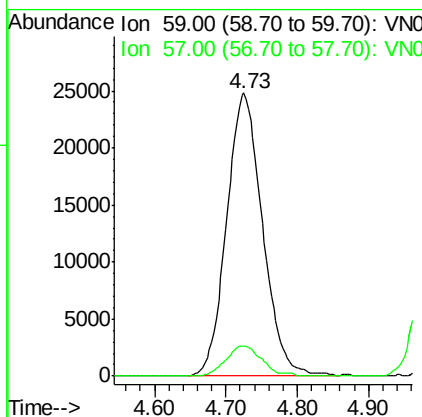
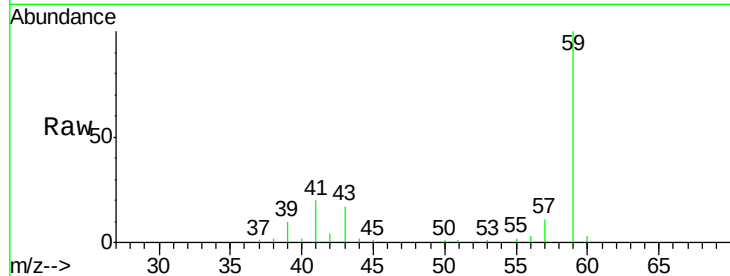
Tert butyl alcohol
 Concen: 252.811 ug/l
 RT: 4.73 min Scan# 918
 Delta R.T. -0.00 min
 Lab File: VN060179.D
 Acq: 21 Feb 2020 10:20

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.7	8.2	12.4

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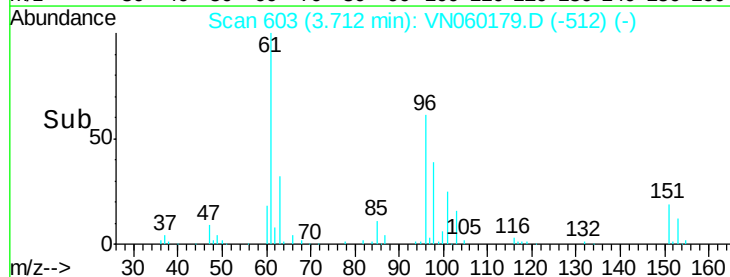
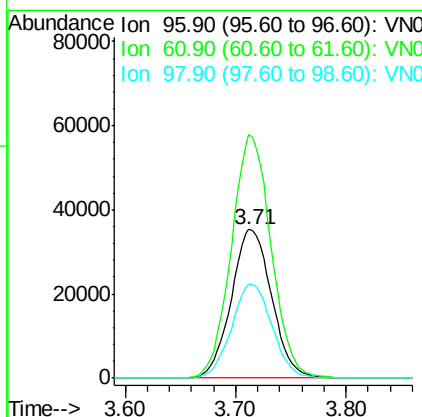
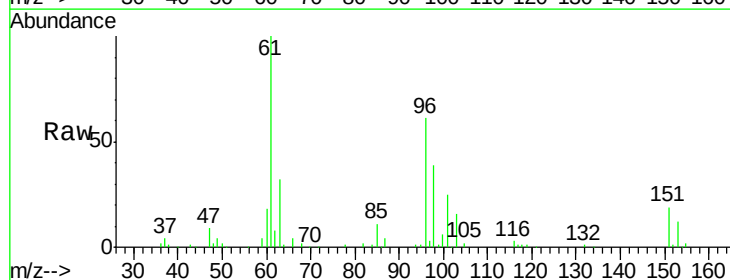
MMDadoda
 2/24/2020 11:41:02 AM

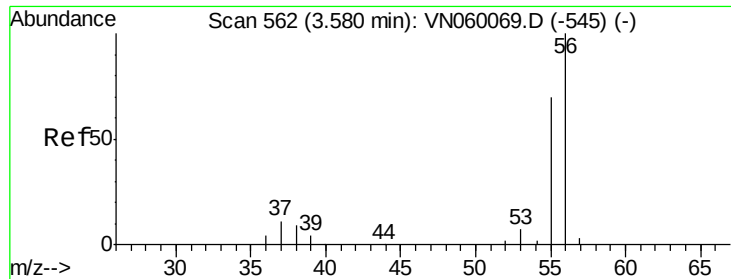


#12

1,1-Dichloroethene
 Concen: 50.004 ug/l
 RT: 3.71 min Scan# 603
 Delta R.T. -0.01 min
 Lab File: VN060179.D
 Acq: 21 Feb 2020 10:20

Tgt Ion	Ratio	Lower	Upper
96	100		
61	163.9	128.3	192.5
98	63.2	52.2	78.4





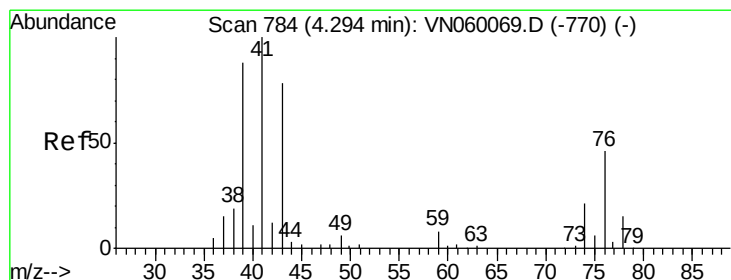
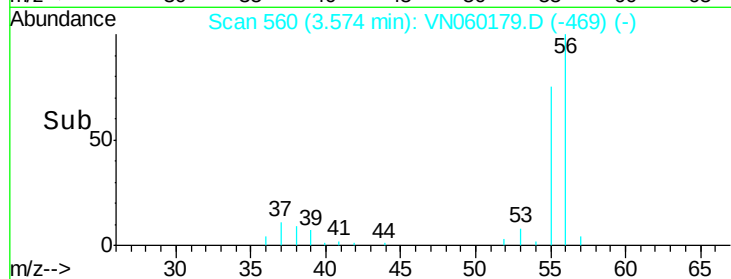
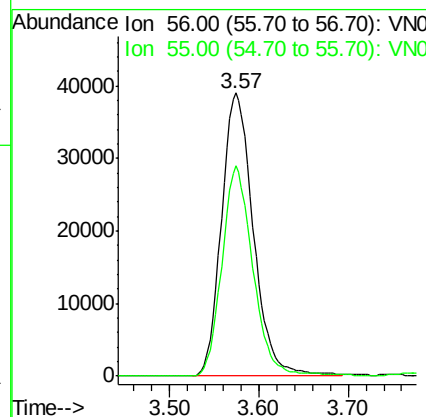
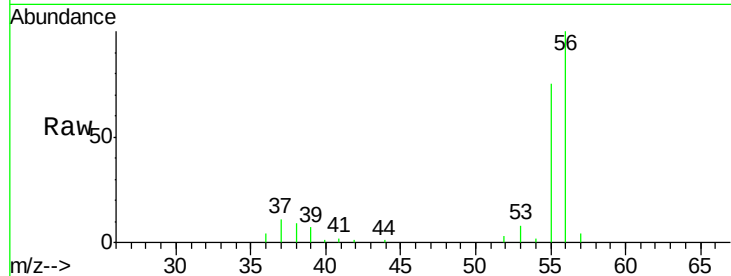
#13
Acrolein
Concen: 283.803 ug/l
RT: 3.57 min Scan# 560
Delta R.T. -0.01 min
Lab File: VN060179.D
Acq: 21 Feb 2020 10:20

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	56	Resp	96543
Ion Ratio	100	Lower	Upper
56	100		
55	71.3	54.8	82.2

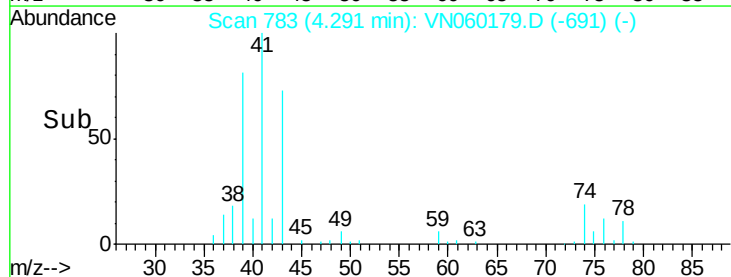
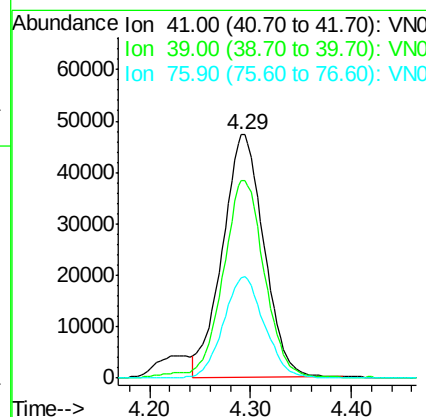
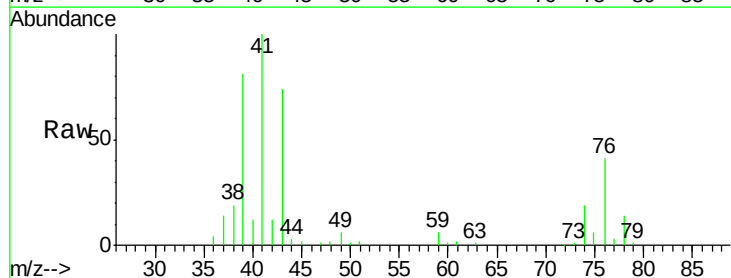
Manual Integrations
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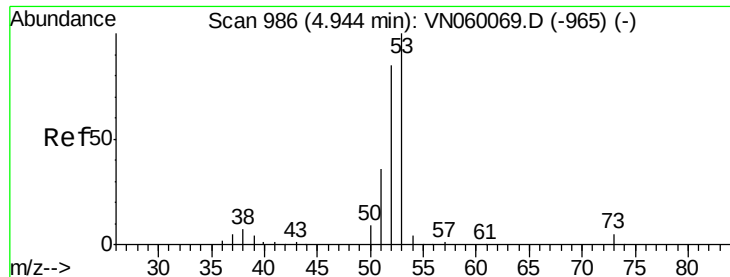
MMDadoda
2/24/2020 11:41:02 AM



#14
Allyl chloride
Concen: 51.413 ug/l
RT: 4.29 min Scan# 783
Delta R.T. -0.00 min
Lab File: VN060179.D
Acq: 21 Feb 2020 10:20

Tgt Ion	41	Resp	135221
Ion Ratio	100	Lower	Upper
41	100		
39	79.8	67.8	101.8
76	40.9	33.9	50.9





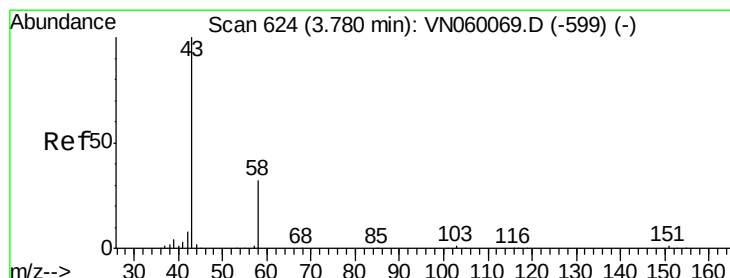
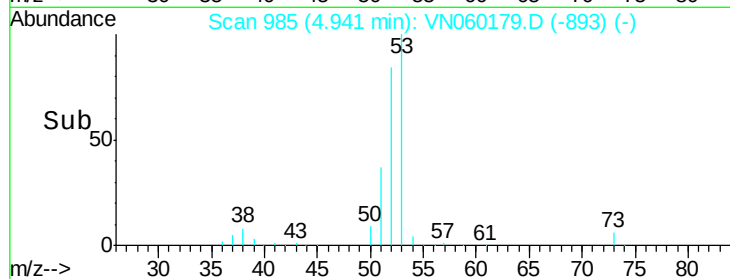
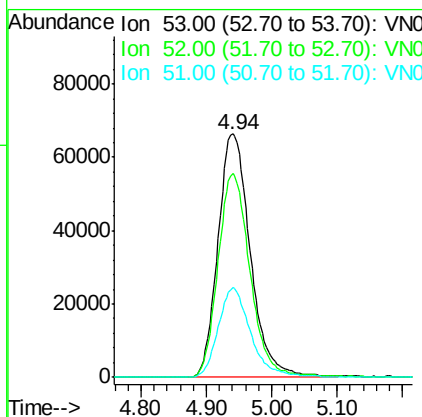
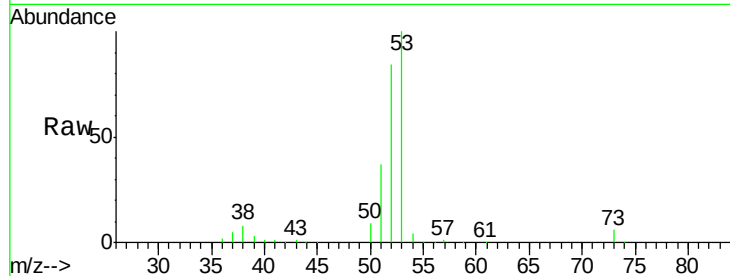
#15
 Acrylonitrile
 Concen: 271.965 ug/l
 RT: 4.94 min Scan# 985
 Delta R.T. -0.00 min
 Lab File: VN060179.D
 Acq: 21 Feb 2020 10:20

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
53	100		
52	82.9	66.8	100.2
51	37.0	29.4	44.0

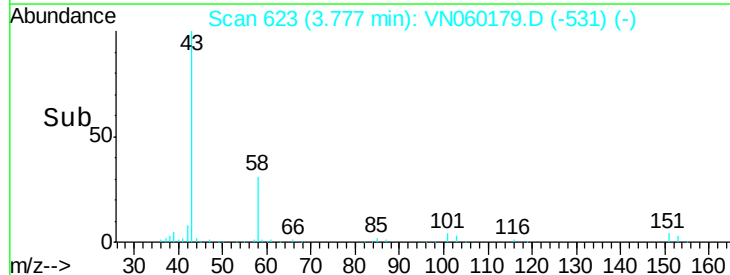
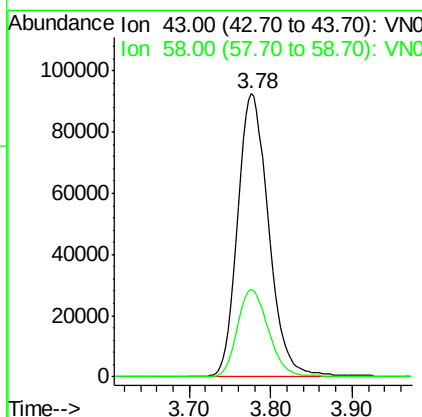
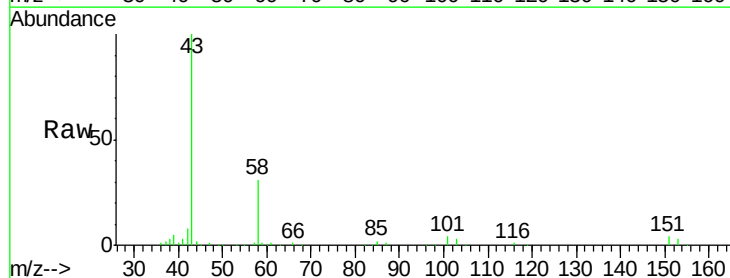
Manual Integrations
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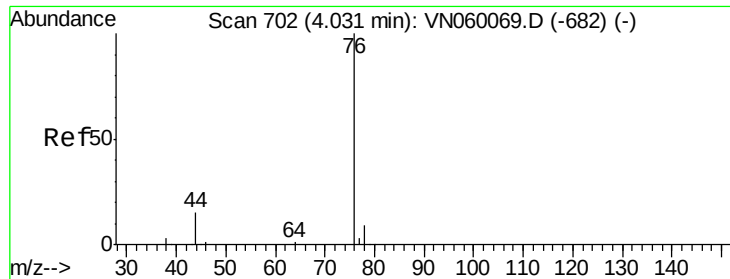
MMDadoda
 2/24/2020 11:41:02 AM



#16
 Acetone
 Concen: 242.854 ug/l
 RT: 3.78 min Scan# 623
 Delta R.T. -0.00 min
 Lab File: VN060179.D
 Acq: 21 Feb 2020 10:20

Tgt Ion	Ratio	Lower	Upper
43	100		
58	30.9	25.2	37.8





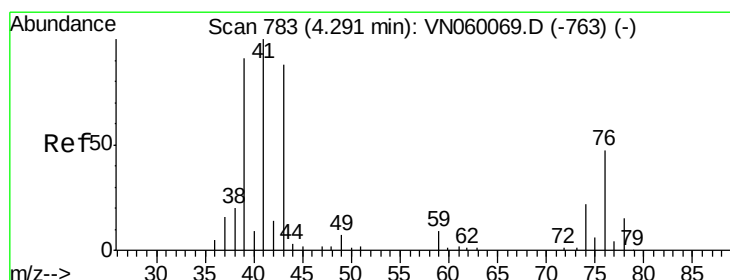
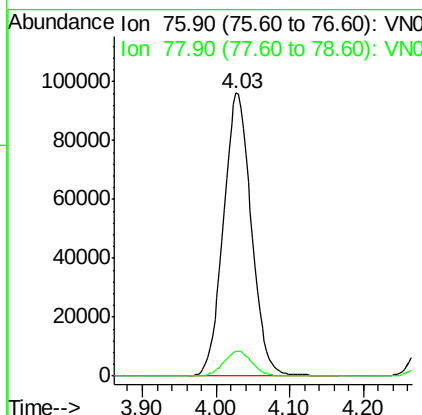
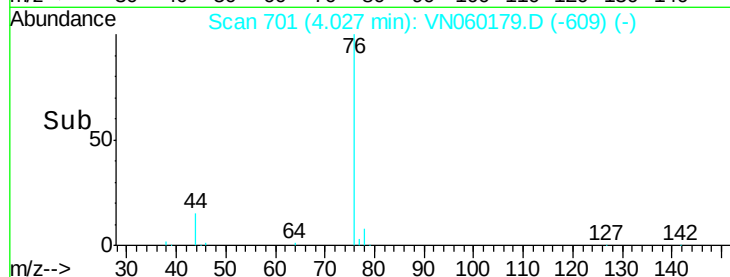
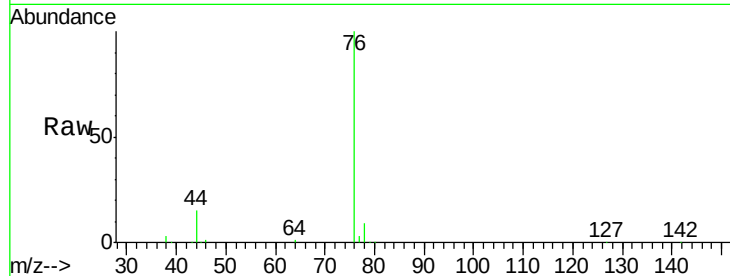
#17
Carbon Disulfide
Concen: 46.947 ug/l
RT: 4.03 min Scan# 701
Delta R.T. -0.00 min
Lab File: VN060179.D
Acq: 21 Feb 2020 10:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.0	10.6

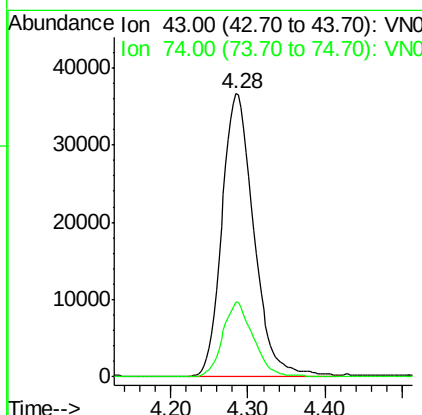
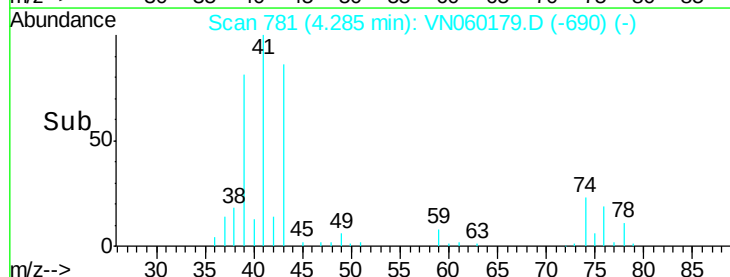
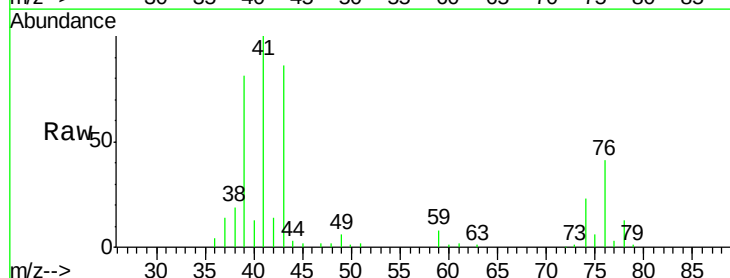
Manual Integrations
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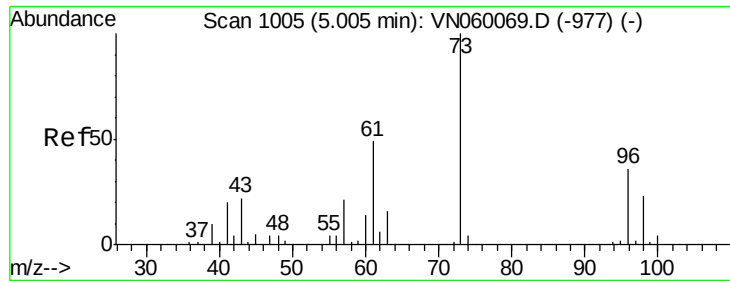
MMDadoda
2/24/2020 11:41:02 AM



#18
Methyl Acetate
Concen: 55.896 ug/l
RT: 4.28 min Scan# 781
Delta R.T. -0.01 min
Lab File: VN060179.D
Acq: 21 Feb 2020 10:20

Tgt Ion	Ratio	Lower	Upper
43	100		
74	25.0	20.3	30.5





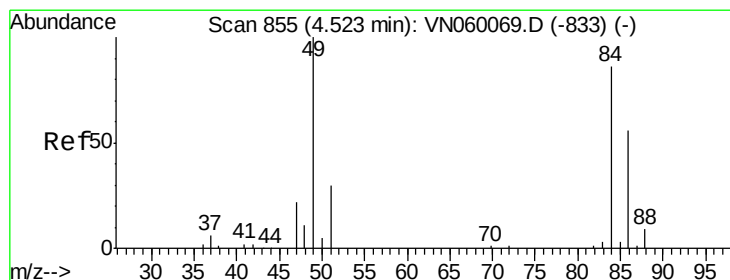
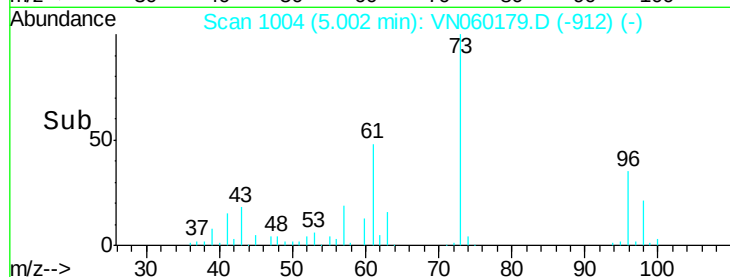
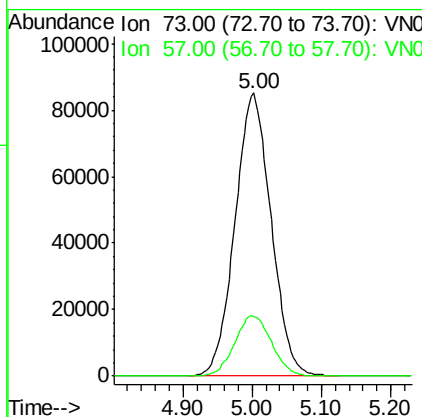
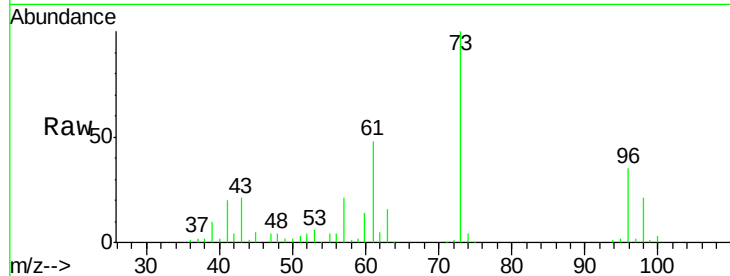
#19
Methyl tert-butyl Ether
Concen: 51.360 ug/l
RT: 5.00 min Scan# 1004
Delta R.T. -0.00 min
Lab File: VN060179.D
Acq: 21 Feb 2020 10:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 308640
Ion Ratio Lower Upper
73 100
57 21.1 17.2 25.8

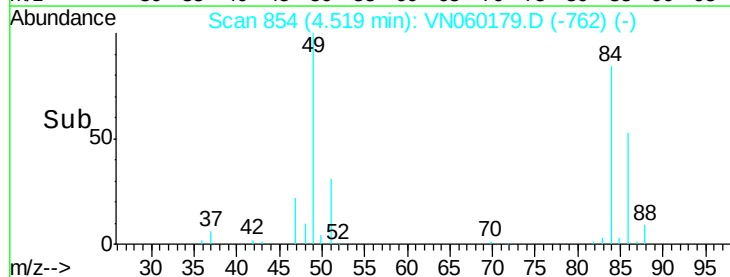
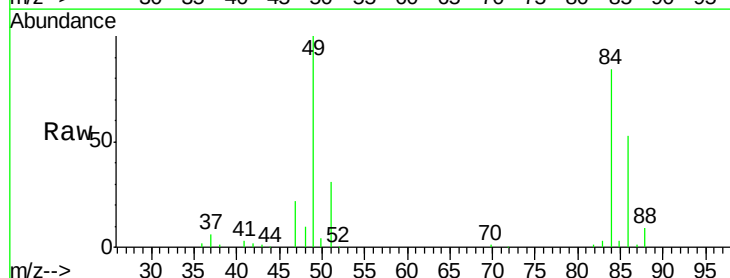
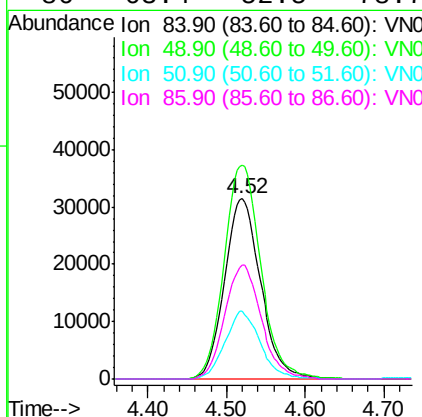
Manual Integrations
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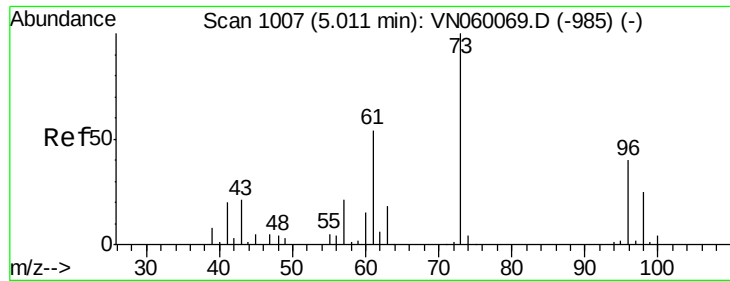
MMDadoda
2/24/2020 11:41:02 AM



#20
Methylene Chloride
Concen: 50.313 ug/l
RT: 4.52 min Scan# 854
Delta R.T. -0.00 min
Lab File: VN060179.D
Acq: 21 Feb 2020 10:20

Tgt Ion: 84 Resp: 100695
Ion Ratio Lower Upper
84 100
49 118.6 93.4 140.0
51 37.3 28.4 42.6
86 63.4 52.5 78.7





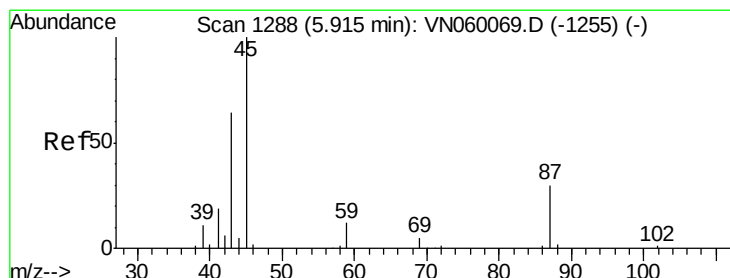
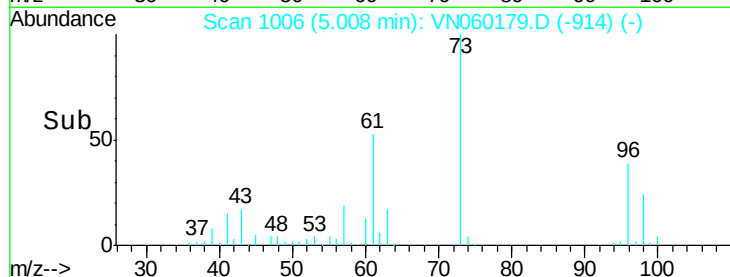
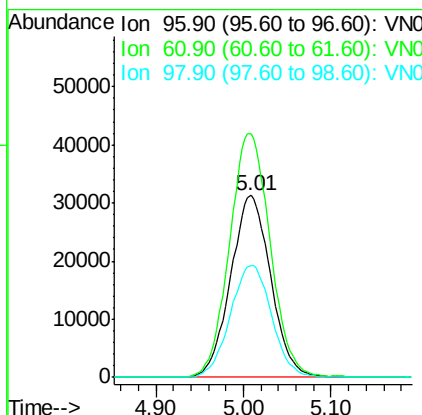
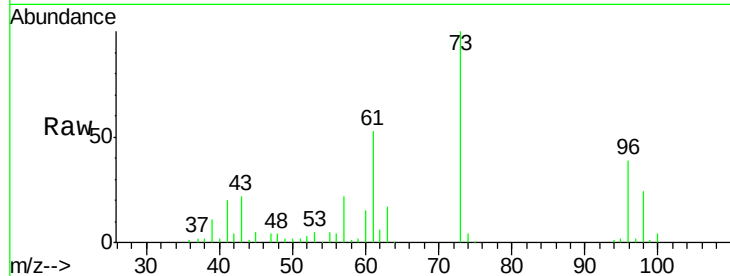
#21
trans-1,2-Dichloroethene
Concen: 51.058 ug/l
RT: 5.01 min Scan# 1006
Delta R.T. -0.00 min
Lab File: VN060179.D
Acq: 21 Feb 2020 10:20

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	133.5	109.3	163.9
98	61.9	51.0	76.6

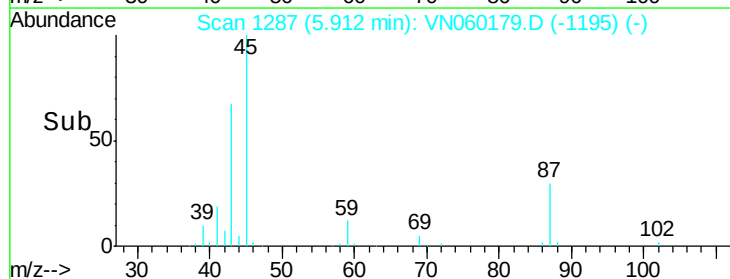
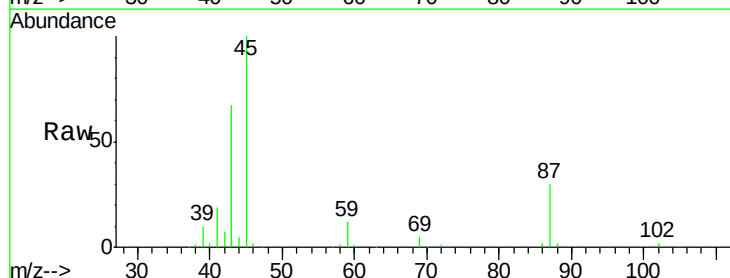
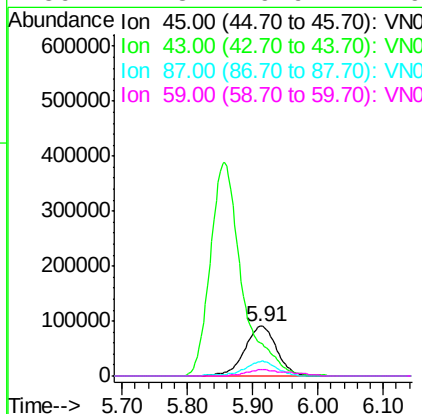
Manual Integrations
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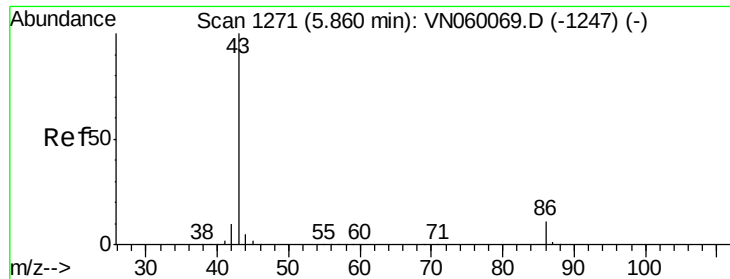
MMDadoda
2/24/2020 11:41:02 AM



#22
Diisopropyl ether
Concen: 53.482 ug/l
RT: 5.91 min Scan# 1287
Delta R.T. -0.00 min
Lab File: VN060179.D
Acq: 21 Feb 2020 10:20

Tgt Ion	Ratio	Lower	Upper
45	100		
43	66.0	55.9	83.9
87	29.6	24.5	36.7
59	11.8	9.9	14.9





#23

Vinyl Acetate

Concen: 270.017 ug/l

RT: 5.86 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VN060179.D

Acq: 21 Feb 2020 10:20

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 43 Resp: 1307012

Ion Ratio Lower Upper

43 100

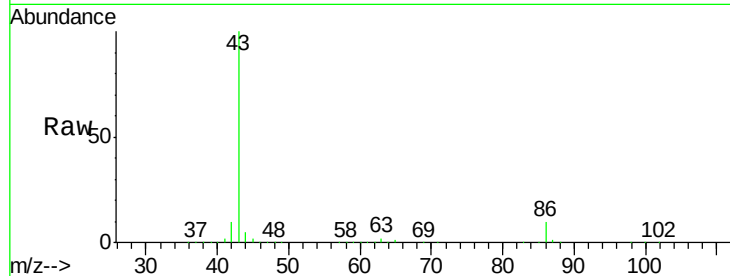
86 10.4 8.9 13.3

Manual Integrations

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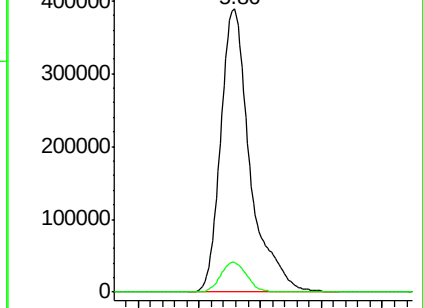
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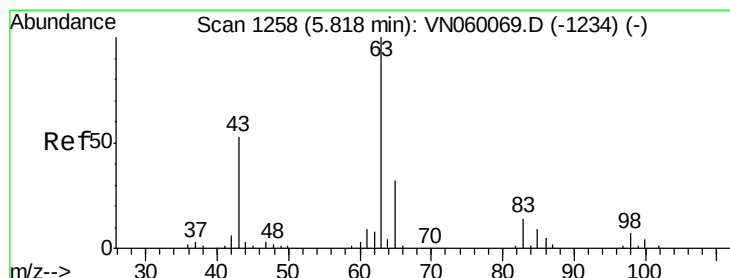
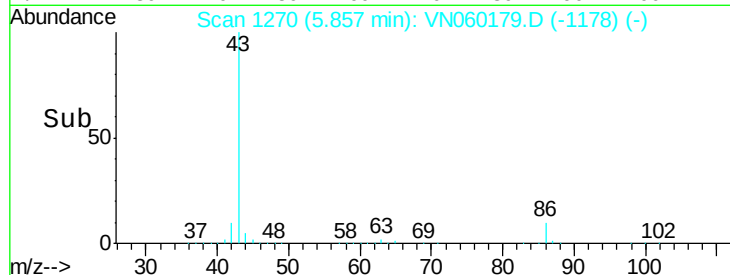


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



Time-->



#24

1,1-Dichloroethane

Concen: 51.718 ug/l

RT: 5.82 min Scan# 1257

Delta R.T. -0.00 min

Lab File: VN060179.D

Acq: 21 Feb 2020 10:20

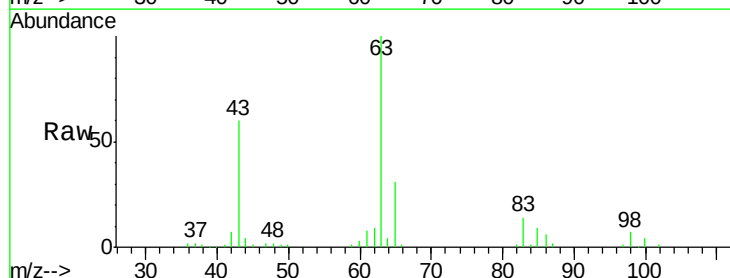
Tgt Ion: 63 Resp: 180589

Ion Ratio Lower Upper

63 100

98 6.7 3.5 10.5

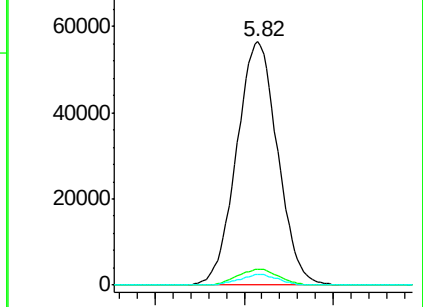
100 4.4 2.2 6.6



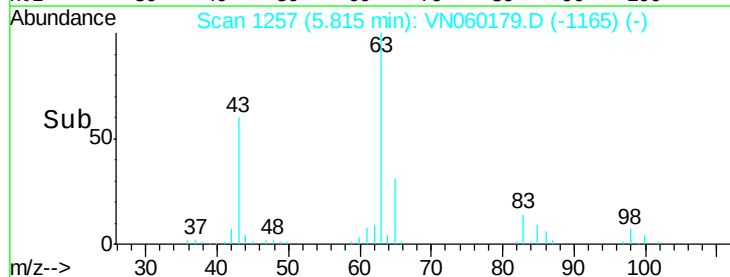
Abundance Ion 62.90 (62.60 to 63.60): VN0

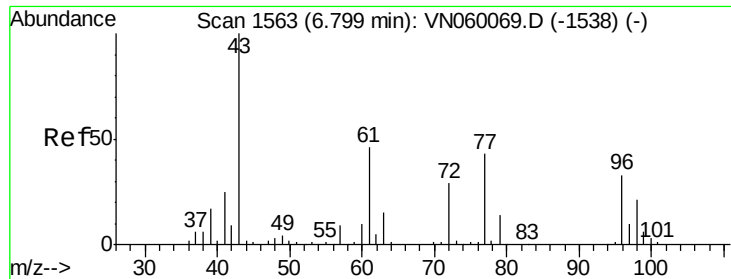
Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0



Time-->





#25

2-Butanone

Concen: 264.463 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.00 min

Lab File: VN060179.D

Acq: 21 Feb 2020 10:20

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 333661

Ion Ratio Lower Upper

43 100

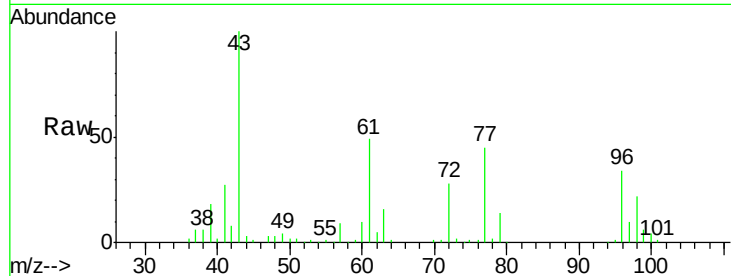
72 27.9 23.3 34.9

Manual Integrations

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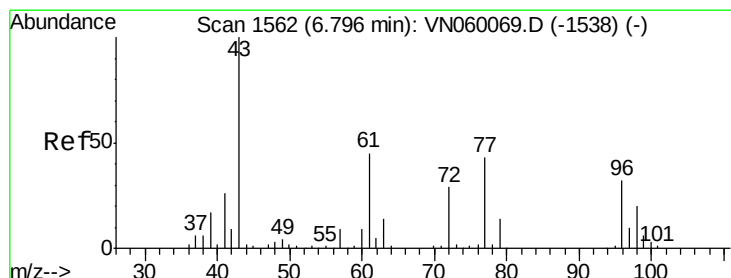
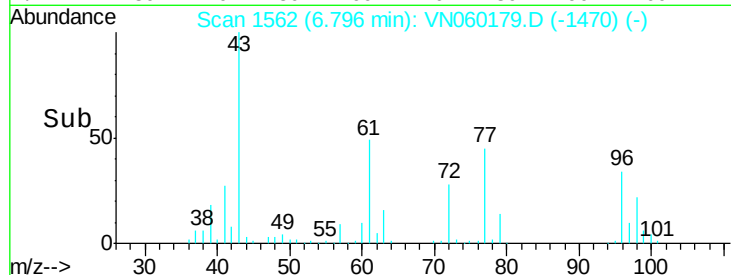
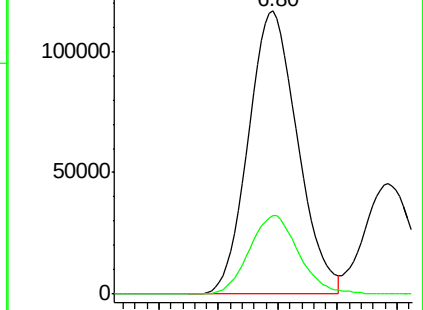
MMDadoda

2/24/2020 11:41:02 AM



Abundance Ion 43.00 (42.70 to 43.70): VN060179.D (-1470) (-)

Ion 72.00 (71.70 to 72.70): VN060179.D (-1470) (-)



#26

2,2-Dichloropropane

Concen: 51.208 ug/l

RT: 6.79 min Scan# 1561

Delta R.T. -0.00 min

Lab File: VN060179.D

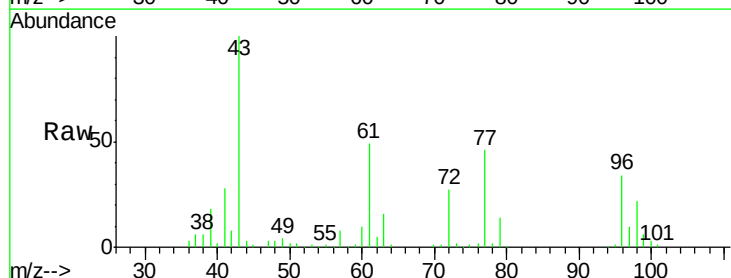
Acq: 21 Feb 2020 10:20

Tgt Ion: 77 Resp: 169834

Ion Ratio Lower Upper

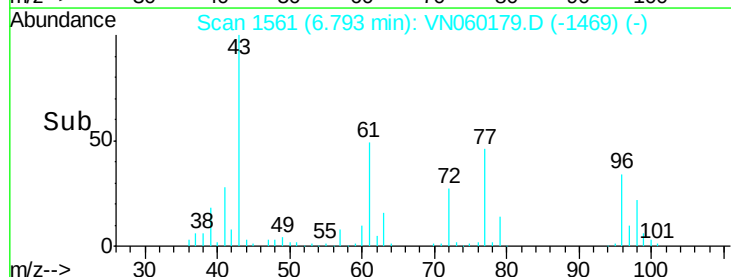
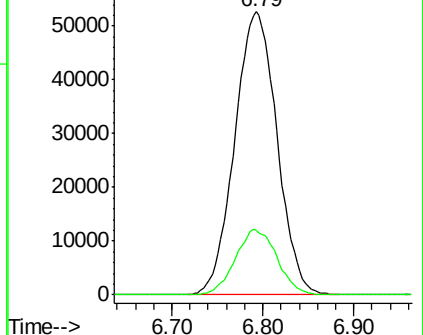
77 100

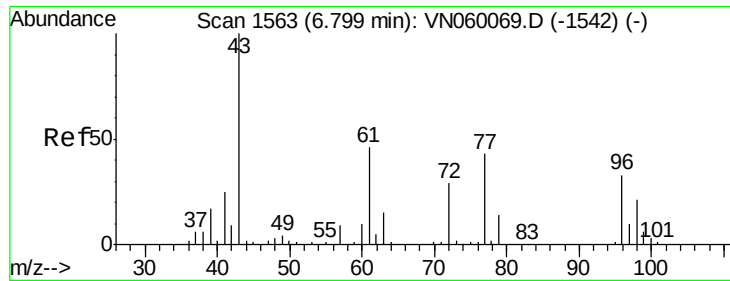
97 22.7 11.4 34.2



Abundance Ion 76.90 (76.60 to 77.60): VN060179.D (-1469) (-)

Ion 96.90 (96.60 to 97.60): VN060179.D (-1469) (-)





#27

cis-1,2-Dichloroethene

Concen: 51.050 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.00 min

Lab File: VN060179.D

Acq: 21 Feb 2020 10:20

Instrument :

MSVOA_N

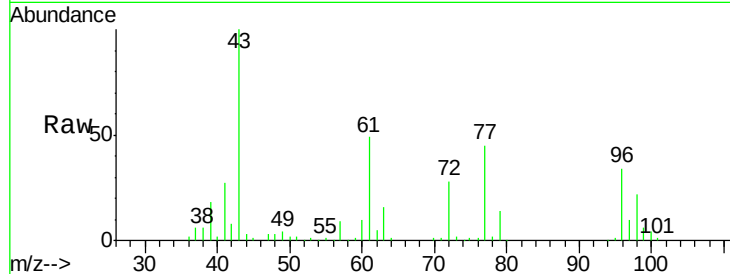
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	116376
Ion	Ratio	Lower	Upper
96	100		
61	144.4	0.0	285.8
98	64.3	0.0	129.6

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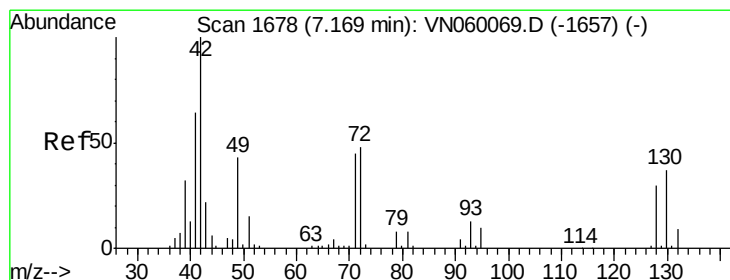
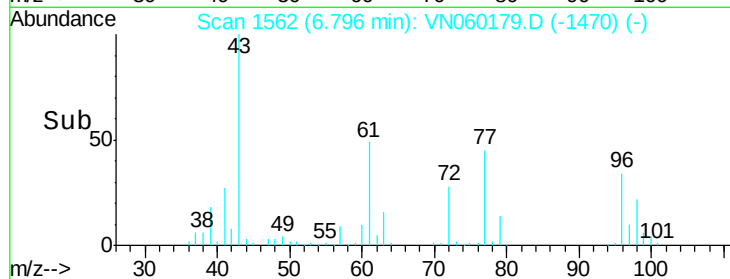
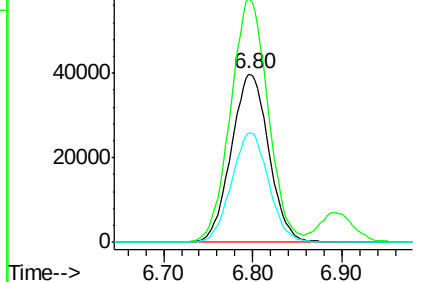
MMDadoda
2/24/2020 11:41:02 AM



Abundance Ion 95.90 (95.60 to 96.60): VN060179.D (-1470) (-)

Ion 60.90 (60.60 to 61.60): VN060179.D (-1470) (-)

Ion 97.90 (97.60 to 98.60): VN060179.D (-1470) (-)



#28

Bromochloromethane

Concen: 52.510 ug/l

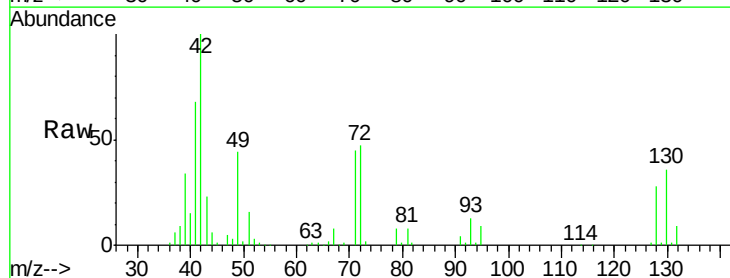
RT: 7.17 min Scan# 1677

Delta R.T. -0.00 min

Lab File: VN060179.D

Acq: 21 Feb 2020 10:20

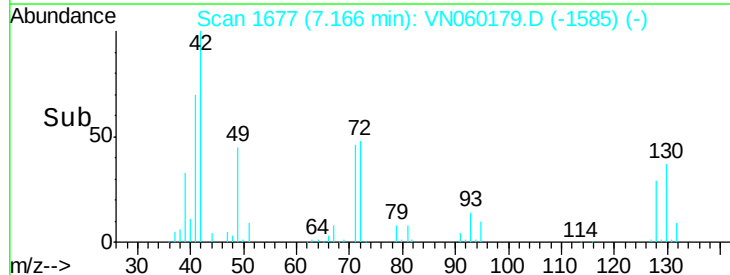
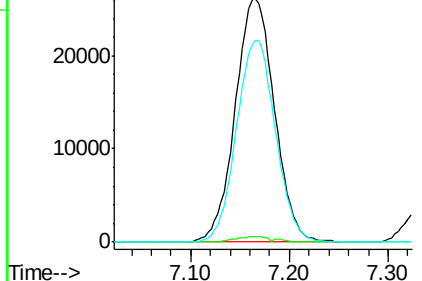
Tgt Ion:	49	Resp:	72083
Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	2.2
130	82.3	66.8	100.2

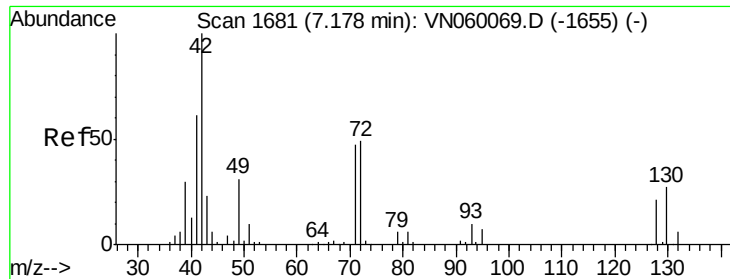


Abundance Ion 48.90 (48.60 to 49.60): VN060179.D (-1585) (-)

Ion 128.80 (128.50 to 129.50): VN060179.D (-1585) (-)

Ion 129.80 (129.50 to 130.50): VN060179.D (-1585) (-)





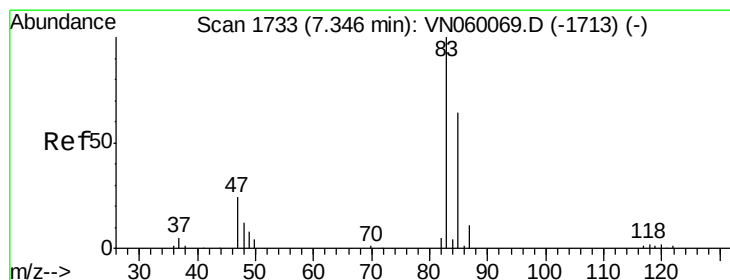
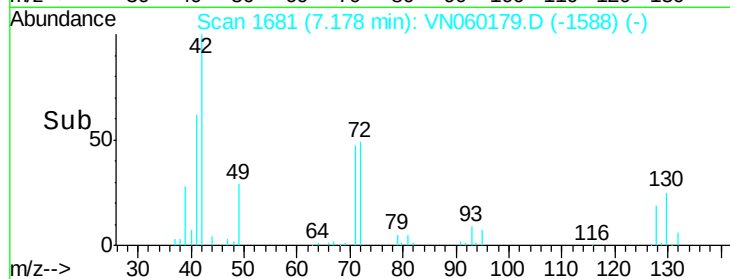
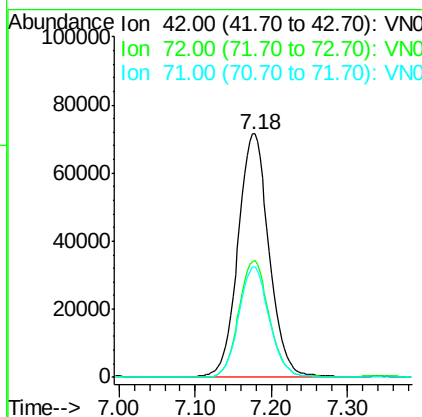
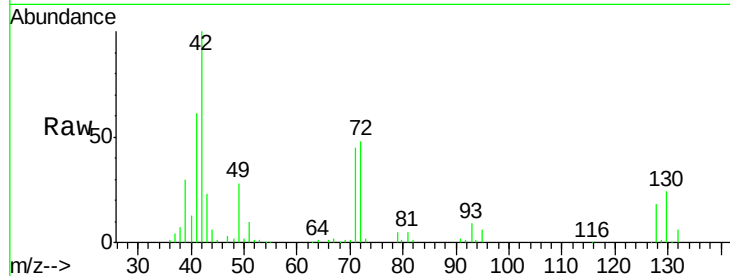
#29
Tetrahydrofuran
Concen: 262.704 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VN060179.D
Acq: 21 Feb 2020 10:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.7	38.2	57.4
71	44.4	36.6	54.8

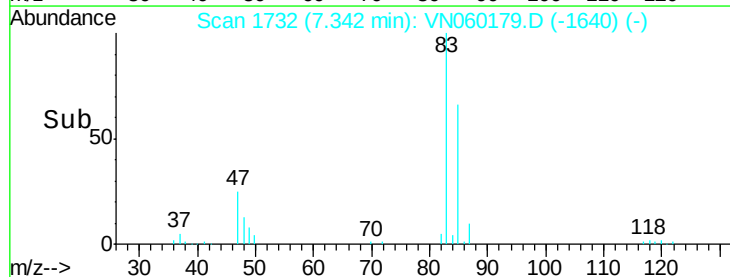
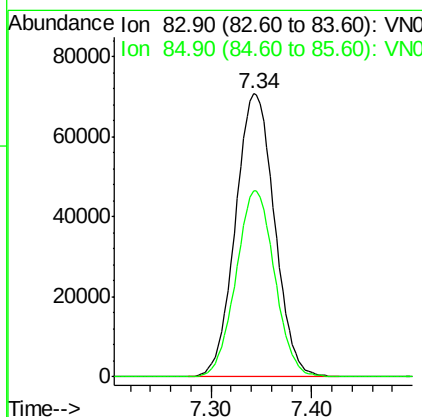
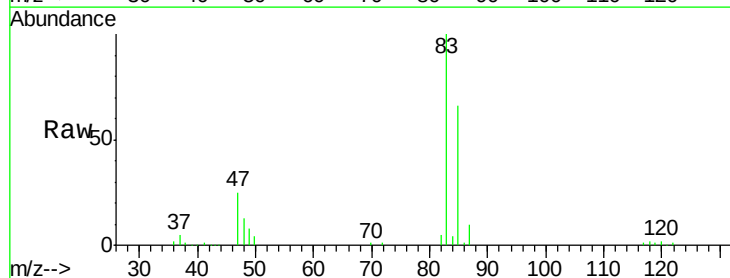
Manual Integrations
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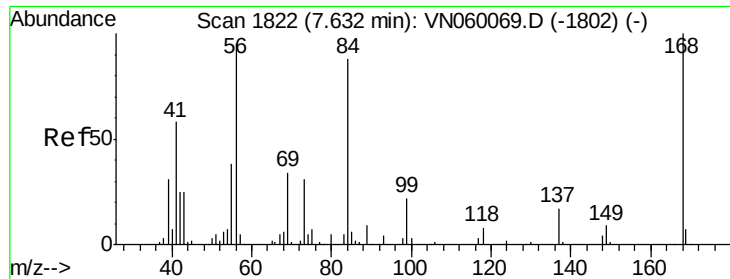
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2/24/2020 11:41:02 AM



#30
Chloroform
Concen: 51.913 ug/l
RT: 7.34 min Scan# 1732
Delta R.T. -0.00 min
Lab File: VN060179.D
Acq: 21 Feb 2020 10:20

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.8	51.4	77.0





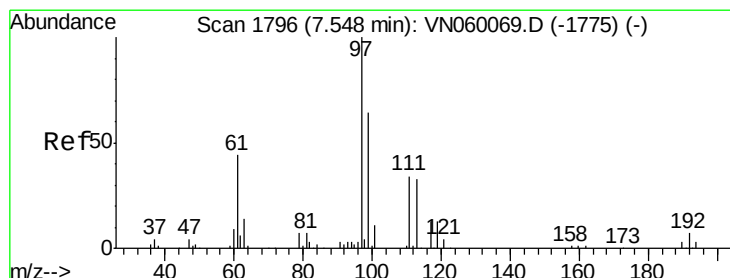
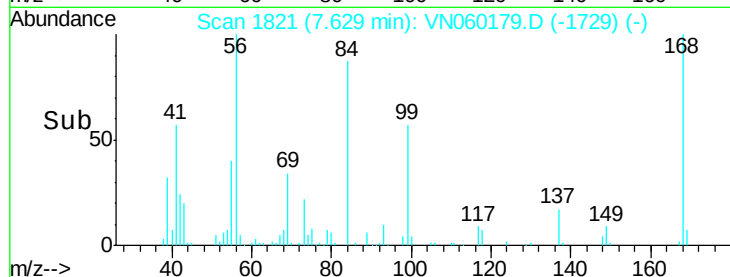
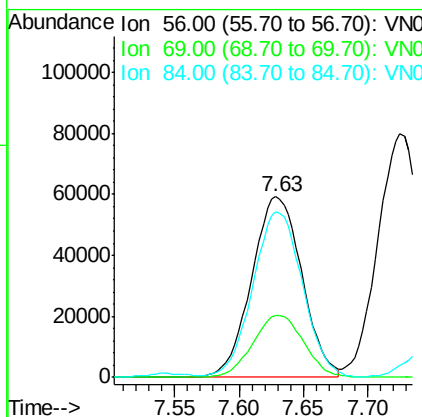
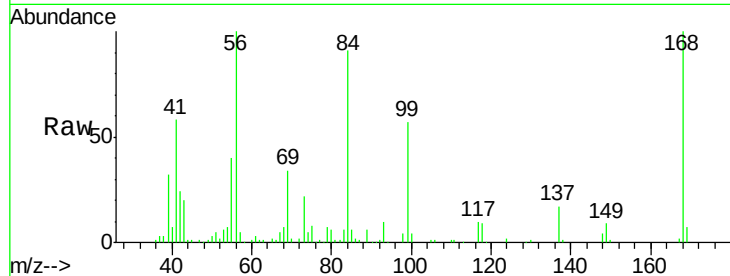
#31
Cyclohexane
Concen: 49.333 ug/l
RT: 7.63 min Scan# 1821
Delta R.T. -0.00 min
Lab File: VN060179.D
Acq: 21 Feb 2020 10:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	34.1	28.3	42.5
84	90.0	72.6	108.8

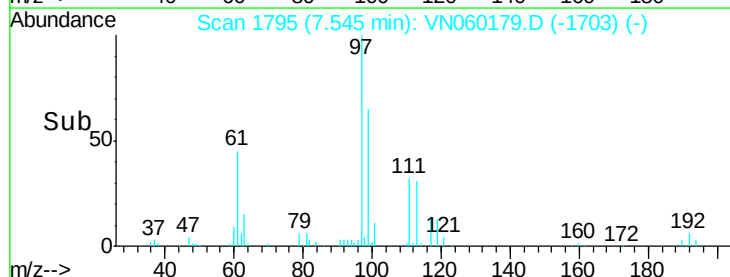
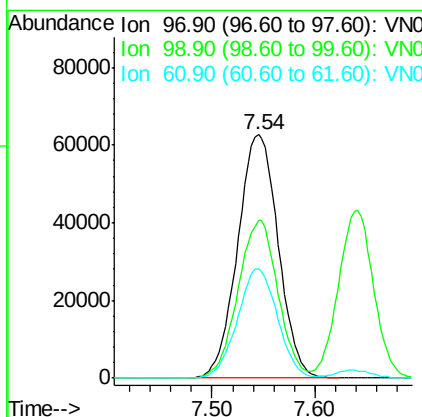
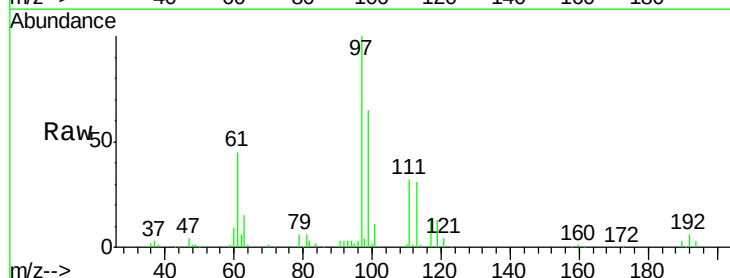
Manual Integrations
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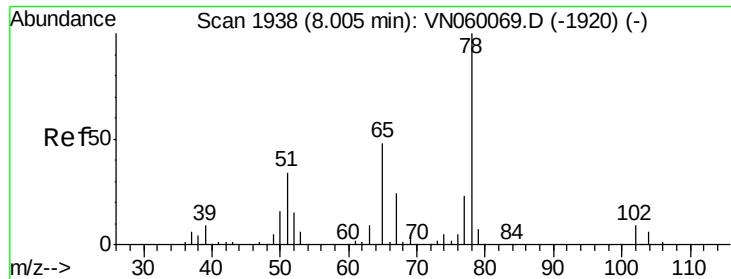
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#32
1,1,1-Trichloroethane
Concen: 51.270 ug/l
RT: 7.54 min Scan# 1795
Delta R.T. -0.00 min
Lab File: VN060179.D
Acq: 21 Feb 2020 10:20

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.8	51.4	77.0
61	44.4	34.9	52.3





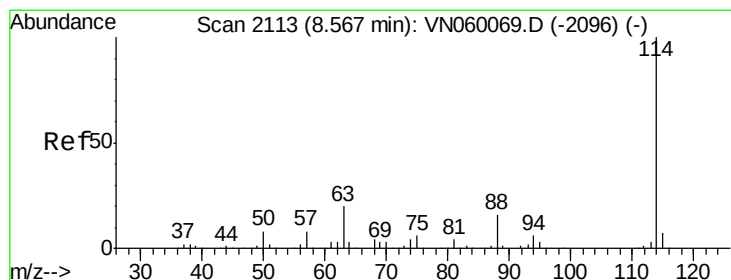
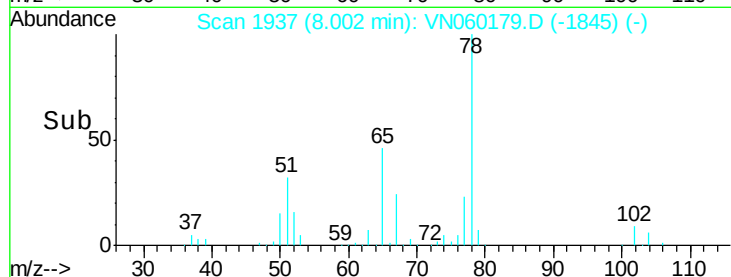
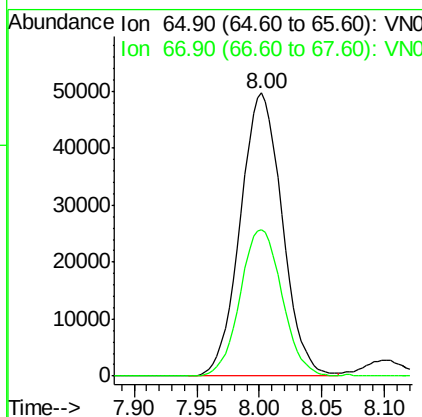
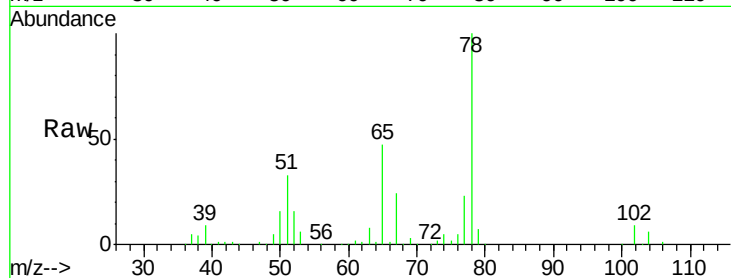
#33
 1,2-Dichloroethane-d4
 Concen: 50.294 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VN060179.D
 Acq: 21 Feb 2020 10:20

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	51.7	0.0	104.0	

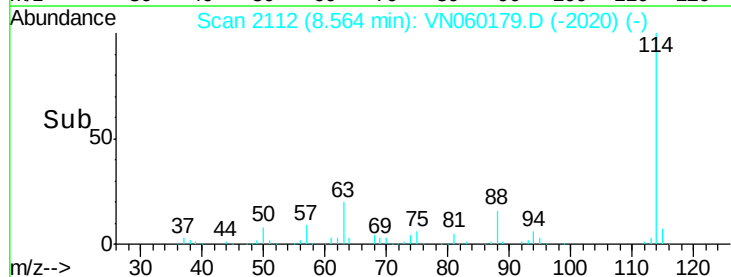
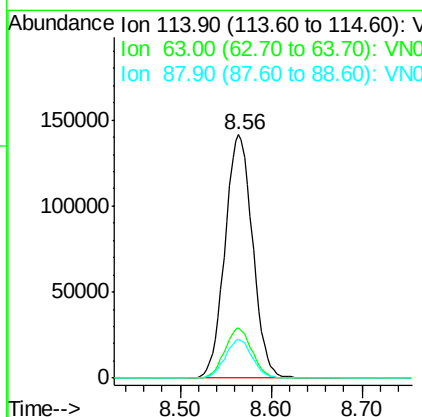
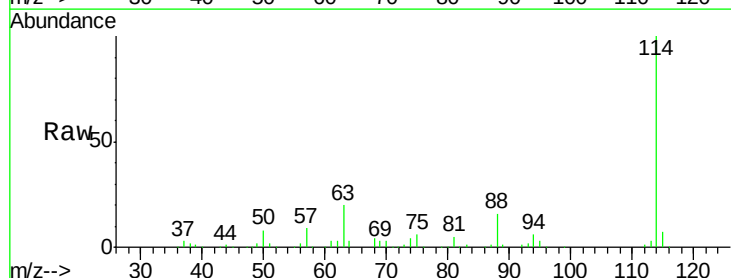
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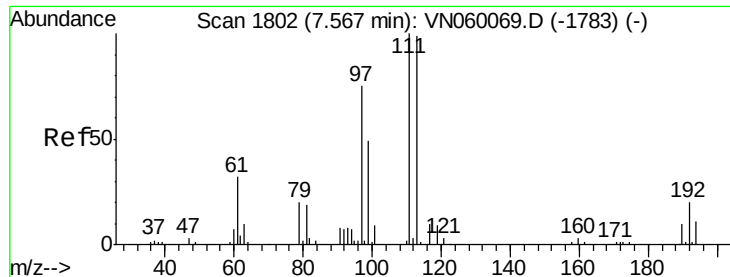
MMDadoda
 2/24/2020 11:41:02 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.56 min Scan# 2112
 Delta R.T. -0.00 min
 Lab File: VN060179.D
 Acq: 21 Feb 2020 10:20

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	20.5	0.0	40.0	
88	15.7	0.0	31.6	





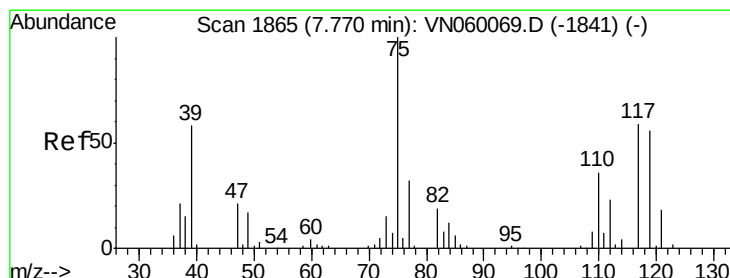
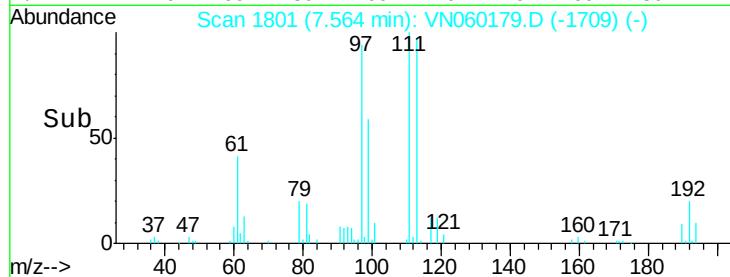
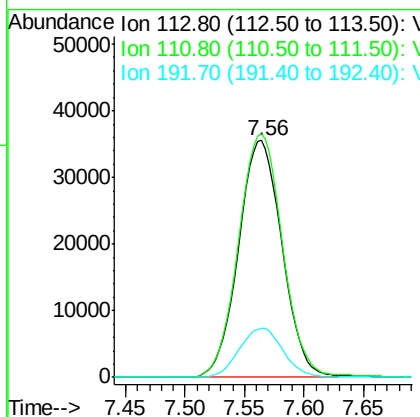
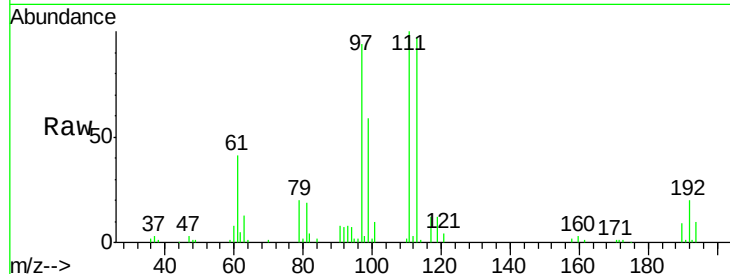
#35
 Dibromofluoromethane
 Concen: 49.199 ug/l
 RT: 7.56 min Scan# 1801
 Delta R.T. -0.00 min
 Lab File: VN060179.D
 Acq: 21 Feb 2020 10:20

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	90186		
111	103.6	81.4	122.2	
192	20.6	16.2	24.2	

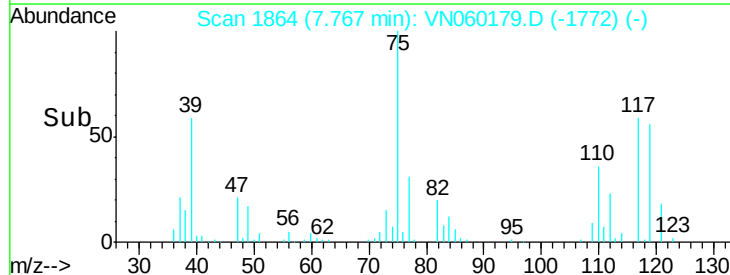
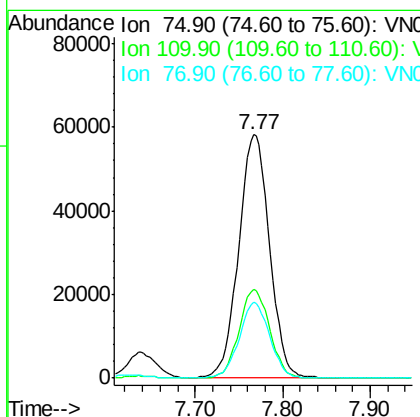
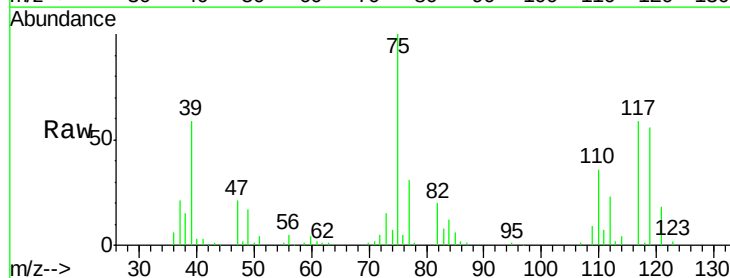
Manual Integrations
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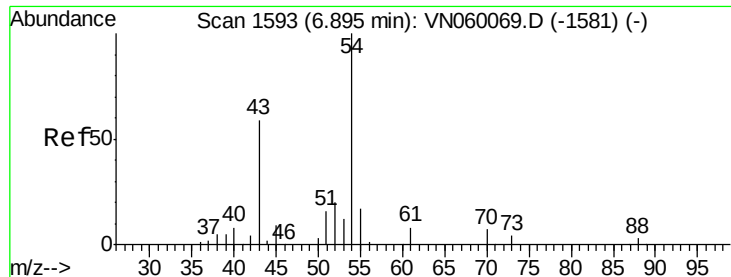
MMDadoda
 2/24/2020 11:41:02 AM



#36
 1,1-Dichloropropene
 Concen: 51.545 ug/l
 RT: 7.77 min Scan# 1864
 Delta R.T. -0.00 min
 Lab File: VN060179.D
 Acq: 21 Feb 2020 10:20

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	142375		
110	36.0	18.1	54.3	
77	30.7	25.1	37.7	





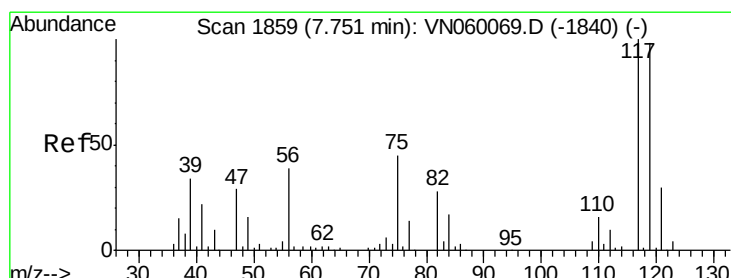
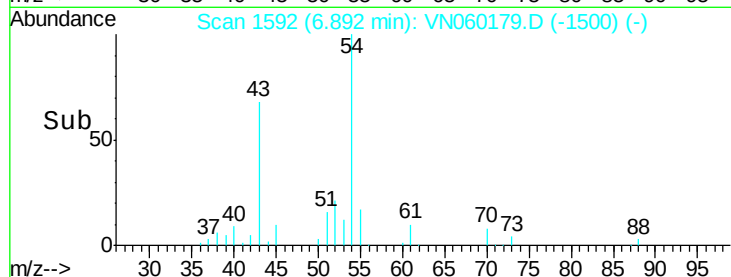
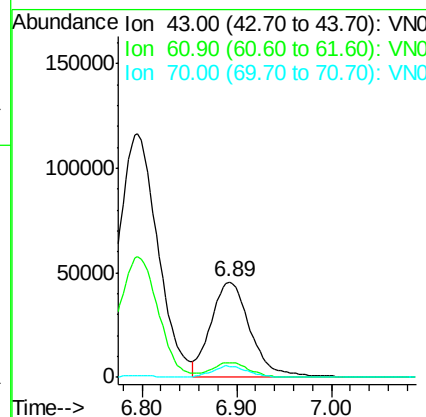
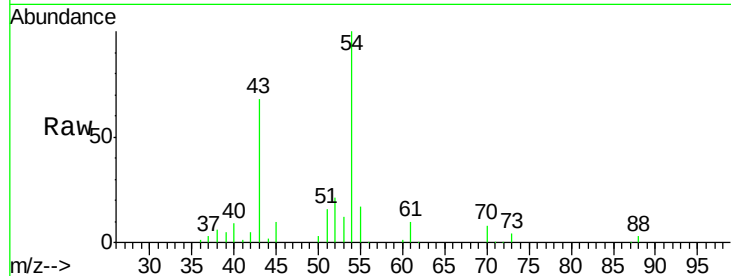
#37
Ethyl Acetate
Concen: 52.328 ug/l
RT: 6.89 min Scan# 1592
Delta R.T. -0.00 min
Lab File: VN060179.D
Acq: 21 Feb 2020 10:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.9	11.4	17.2
70	11.1	8.7	13.1

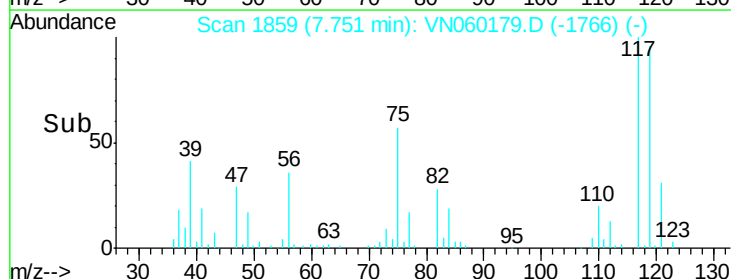
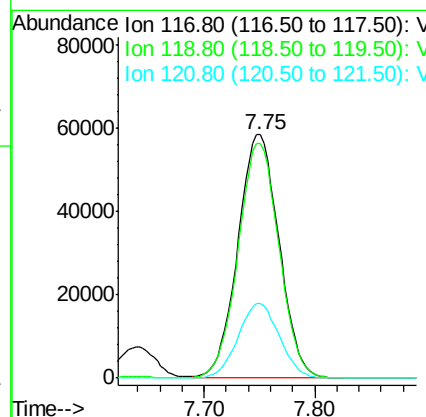
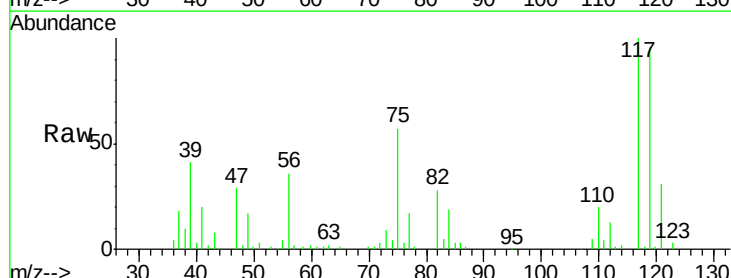
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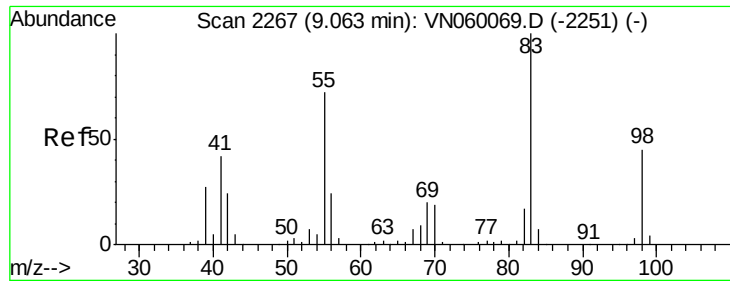
MMDadoda
2/24/2020 11:41:02 AM



#38
Carbon Tetrachloride
Concen: 50.375 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. 0.00 min
Lab File: VN060179.D
Acq: 21 Feb 2020 10:20

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.3	78.2	117.4
121	30.7	24.2	36.2





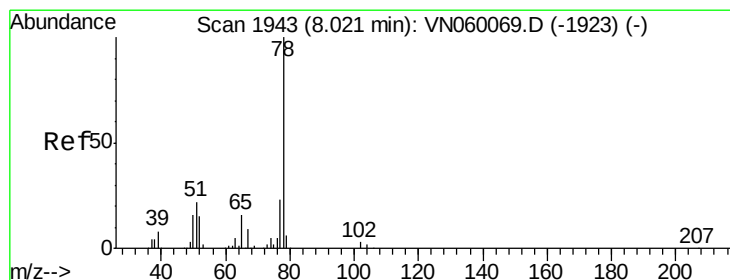
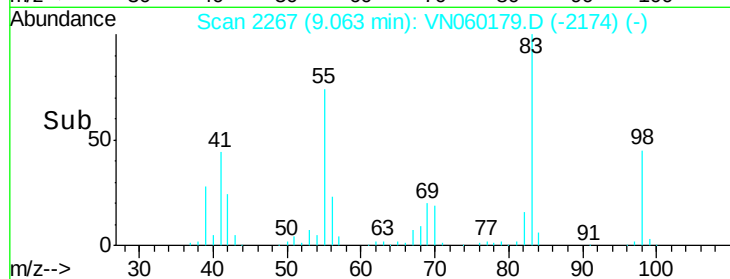
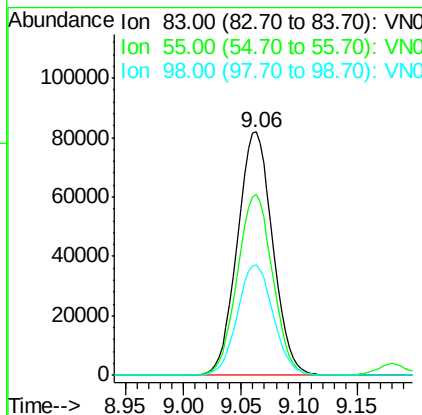
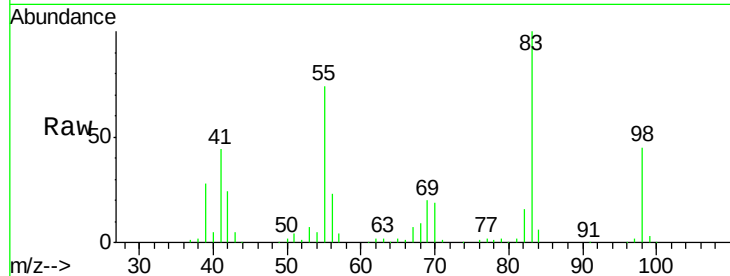
#39
Methylvlcyclohexane
Concen: 50.592 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. 0.00 min
Lab File: VN060179.D
Acq: 21 Feb 2020 10:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	74.2	57.8	86.8
98	45.2	36.4	54.6

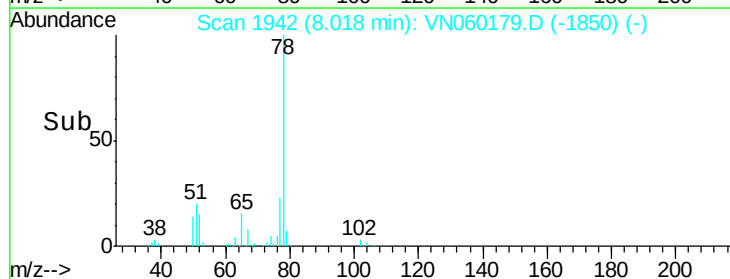
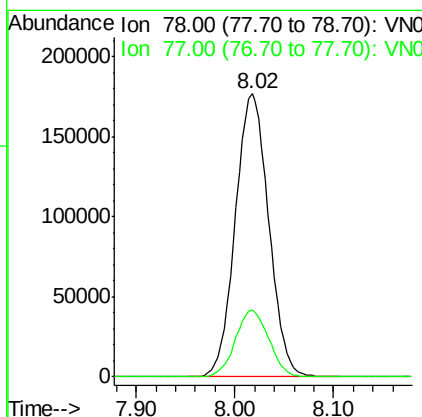
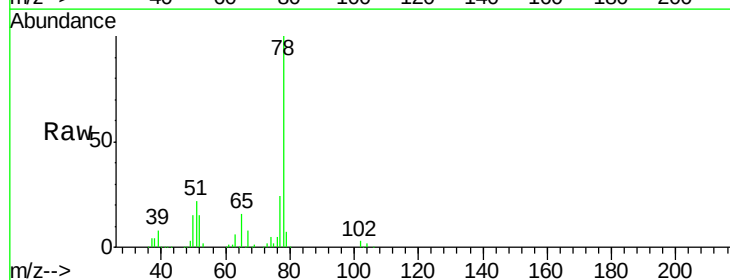
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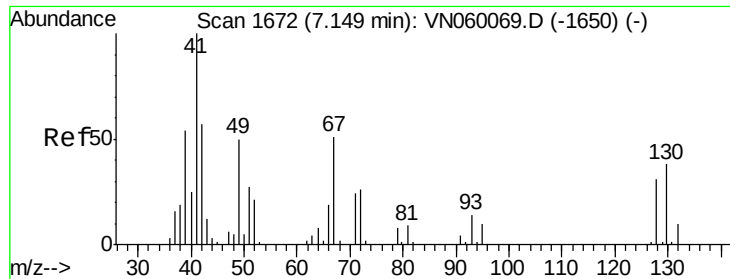
MMDadoda
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#40
Benzene
Concen: 50.699 ug/l
RT: 8.02 min Scan# 1942
Delta R.T. -0.00 min
Lab File: VN060179.D
Acq: 21 Feb 2020 10:20

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.6	18.8	28.2





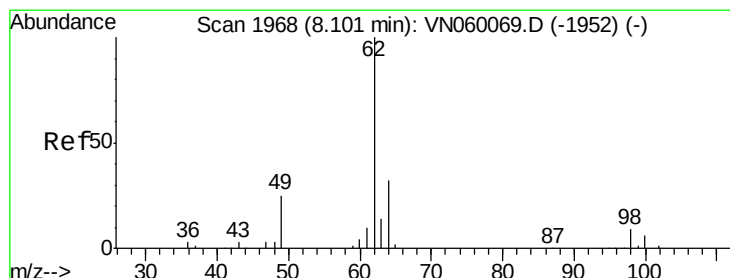
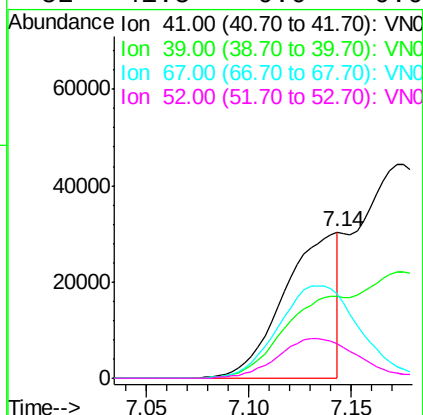
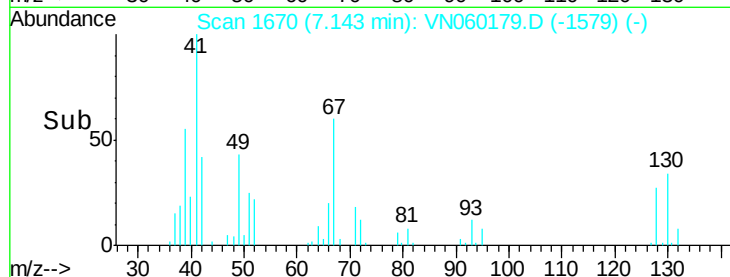
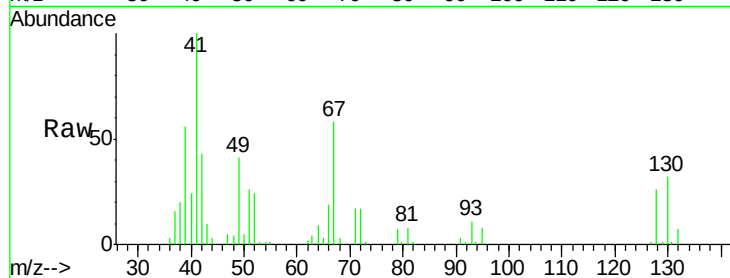
#41
Methacrylonitrile
Concen: 52.883 ug/l m
RT: 7.14 min Scan# 1670
Delta R.T. -0.01 min
Lab File: VN060179.D
Acq: 21 Feb 2020 10:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
41	100		
39	68.9	0.0	0.0#
67	96.7	0.0	0.0#
52	41.5	0.0	0.0#

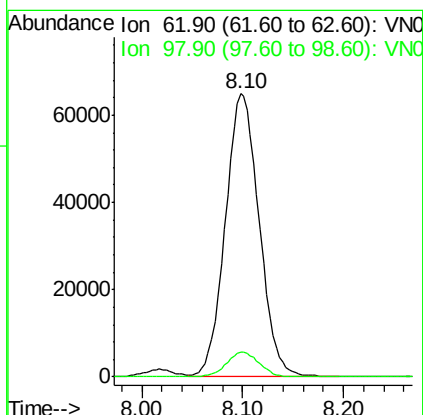
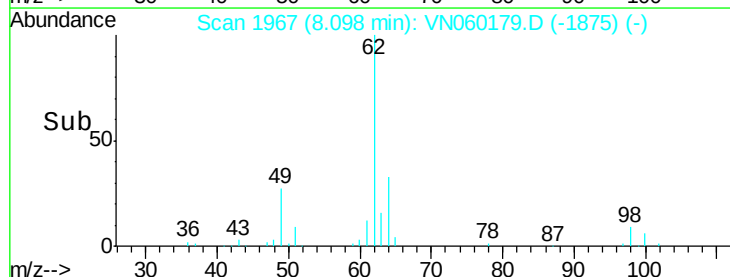
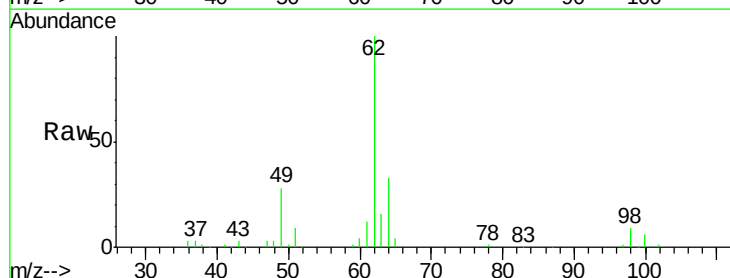
Manual Integrations
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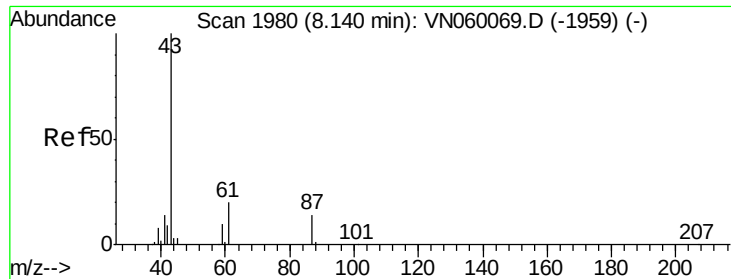
MMDadoda
2/24/2020 11:41:02 AM



#42
1,2-Dichloroethane
Concen: 52.772 ug/l
RT: 8.10 min Scan# 1967
Delta R.T. -0.00 min
Lab File: VN060179.D
Acq: 21 Feb 2020 10:20

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.5	0.0	18.2





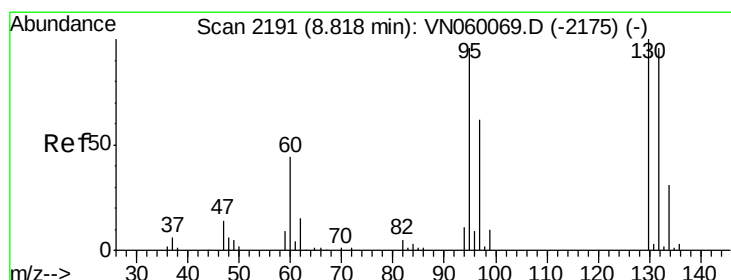
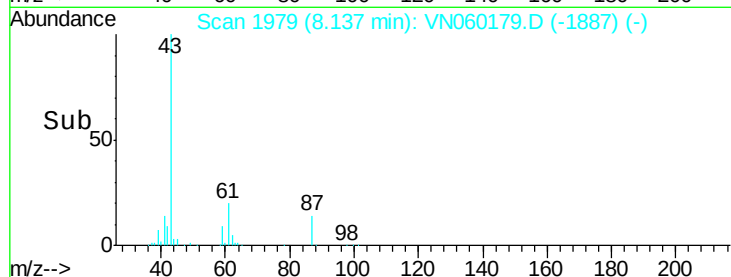
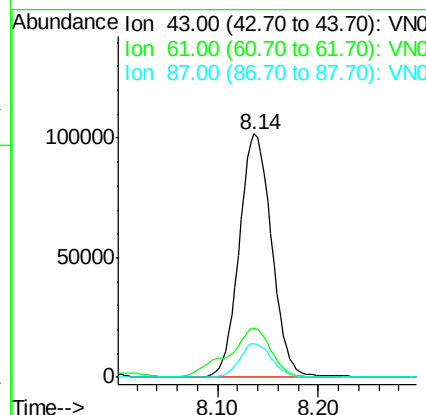
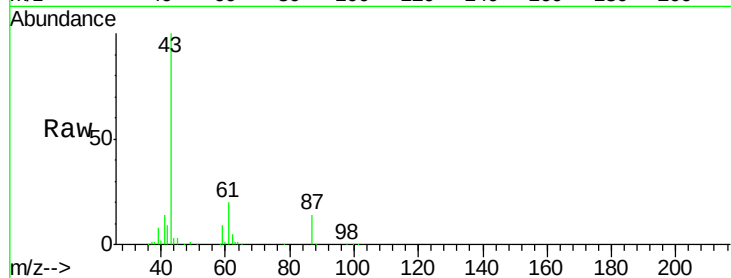
#43
Isopropyl Acetate
Concen: 53.196 ug/l
RT: 8.14 min Scan# 1979
Delta R.T. -0.00 min
Lab File: VN060179.D
Acq: 21 Feb 2020 10:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	43	Resp	227005
Ion Ratio	Lower	Upper	
43	100		
61	26.9	21.8	32.6
87	13.8	11.4	17.2

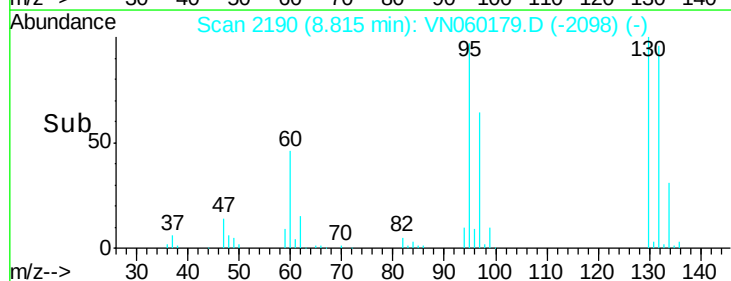
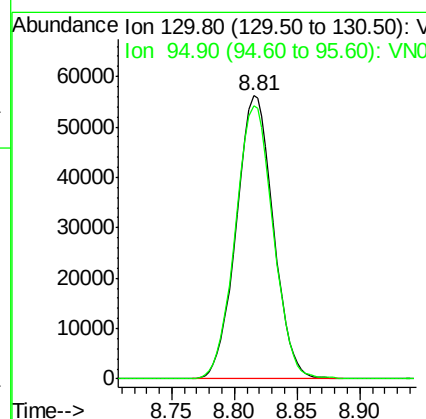
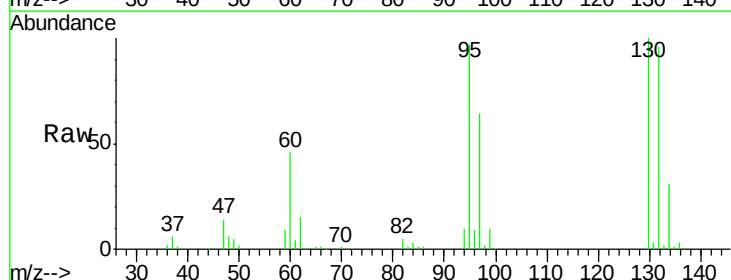
Manual Integrations
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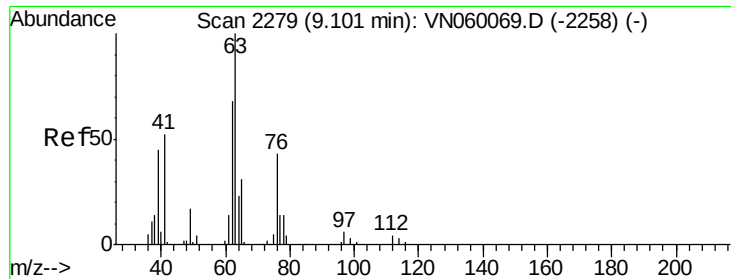
MMDadoda
2/24/2020 11:41:02 AM



#44
Trichloroethene
Concen: 50.870 ug/l
RT: 8.81 min Scan# 2190
Delta R.T. -0.00 min
Lab File: VN060179.D
Acq: 21 Feb 2020 10:20

Tgt Ion	130	Resp	115411
Ion Ratio	Lower	Upper	
130	100		
95	96.7	0.0	192.4





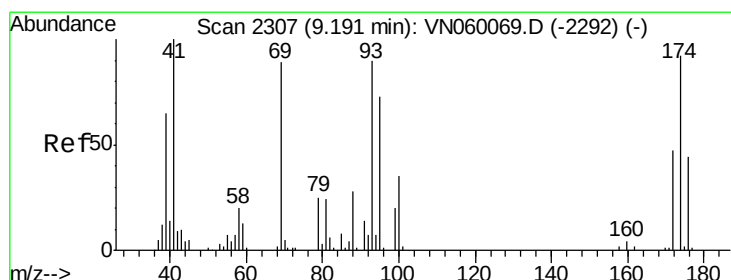
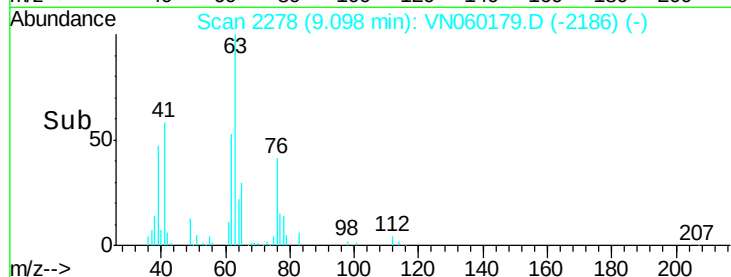
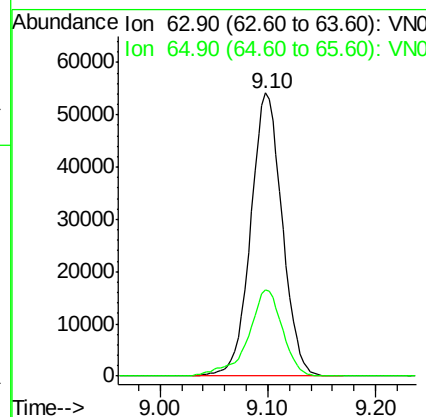
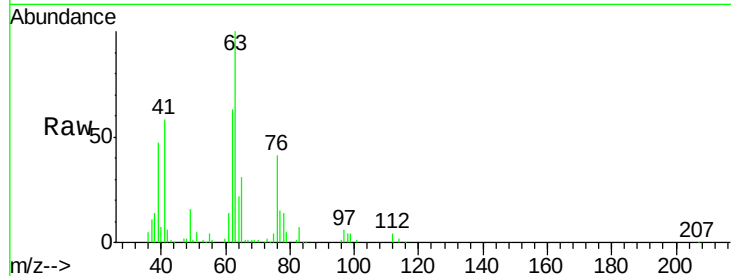
#45
 1,2-Dichloropropane
 Concen: 54.127 ug/l
 RT: 9.10 min Scan# 2278
 Delta R.T. -0.00 min
 Lab File: VN060179.D
 Acq: 21 Feb 2020 10:20

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 109797
 Ion Ratio Lower Upper
 63 100
 65 30.6 25.0 37.4

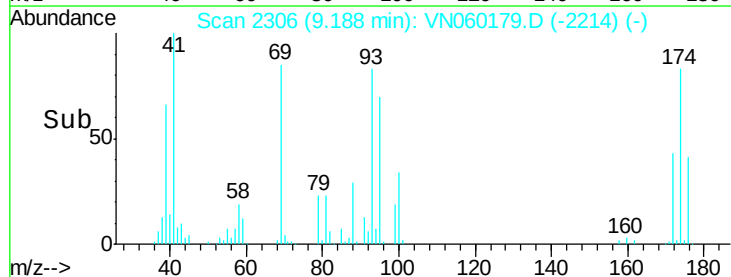
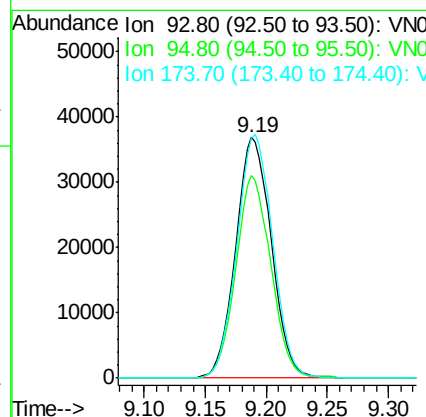
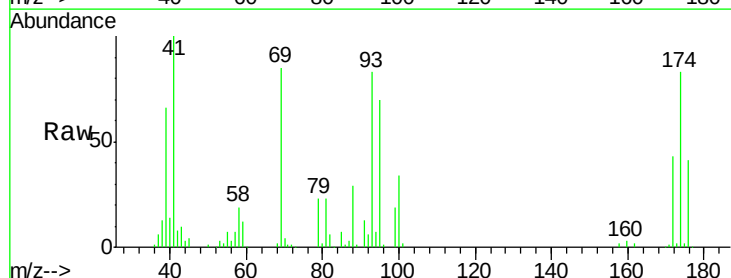
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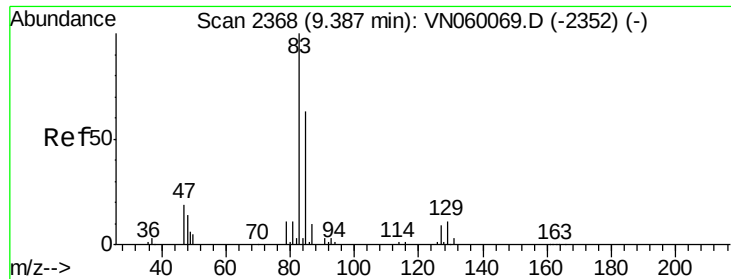
MMDadoda
 2/24/2020 11:41:02 AM



#46
 Dibromomethane
 Concen: 52.173 ug/l
 RT: 9.19 min Scan# 2306
 Delta R.T. -0.00 min
 Lab File: VN060179.D
 Acq: 21 Feb 2020 10:20

Tgt Ion: 93 Resp: 74790
 Ion Ratio Lower Upper
 93 100
 95 82.9 65.0 97.6
 174 101.4 82.3 123.5





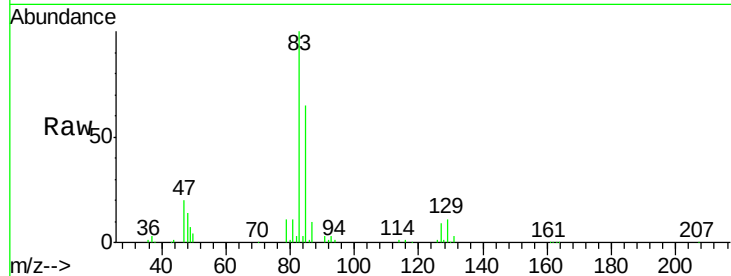
#47
Bromodichloromethane
Concen: 52.265 ug/l
RT: 9.38 min Scan# 2367
Delta R.T. -0.00 min
Lab File: VN060179.D
Acq: 21 Feb 2020 10:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

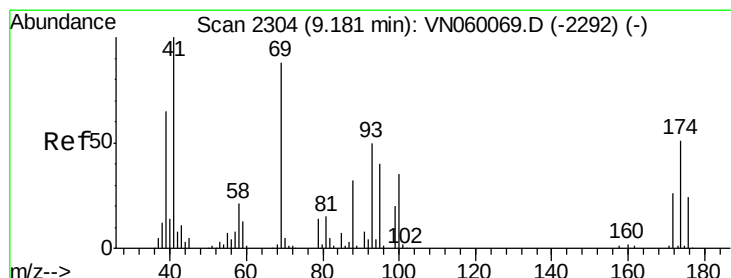
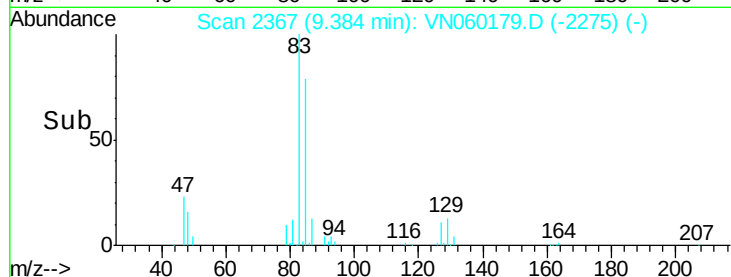
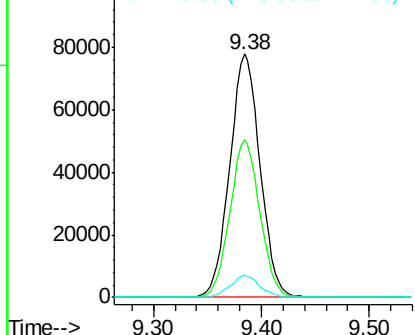
Tot Ion	Ratio	Lower	Upper
83	100		
85	64.7	50.6	75.8
127	9.0	7.0	10.6

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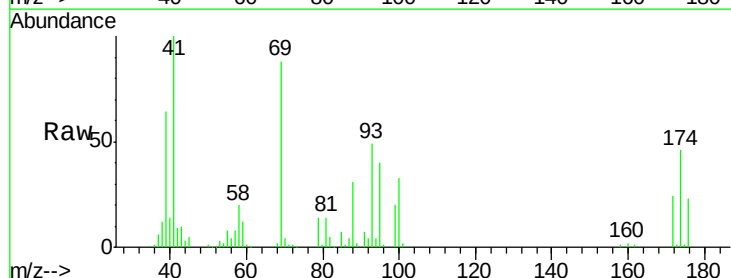


Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0
Ion 126.80 (126.50 to 127.50): VN0

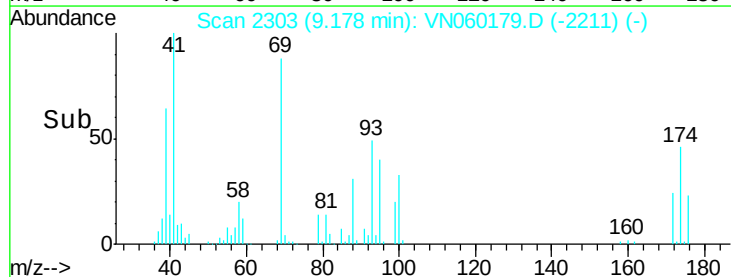
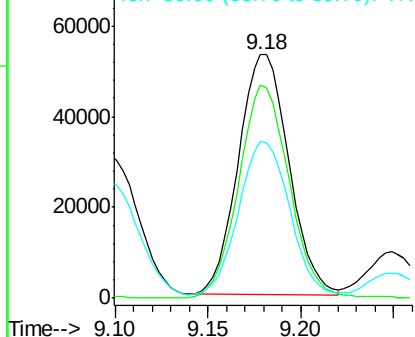


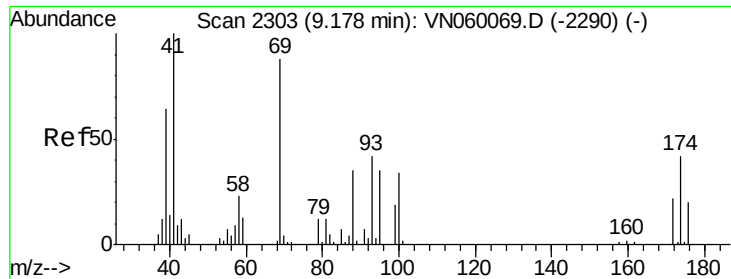
#48
Methyl methacrylate
Concen: 52.508 ug/l
RT: 9.18 min Scan# 2303
Delta R.T. -0.00 min
Lab File: VN060179.D
Acq: 21 Feb 2020 10:20

Tgt Ion	Ratio	Lower	Upper
41	100		
69	88.8	72.0	108.0
39	64.2	54.1	81.1



Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0





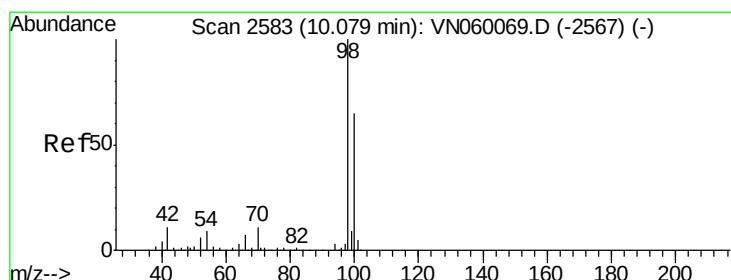
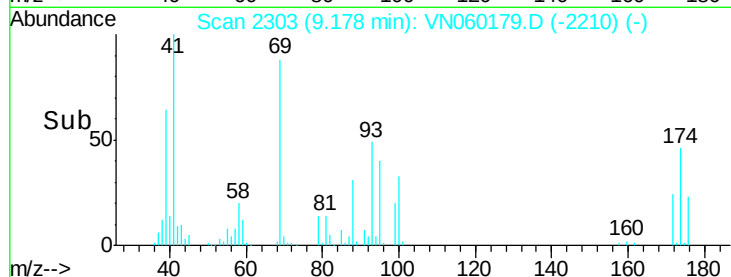
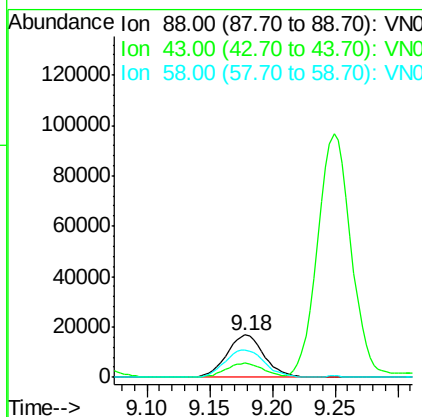
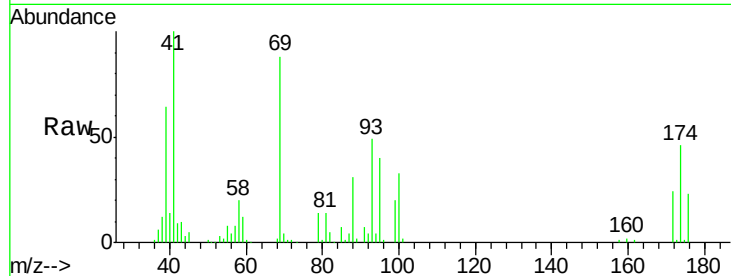
#49
1,4-Dioxane
Concen: 1068.639 ug/l
RT: 9.18 min Scan# 2303
Delta R.T. 0.00 min
Lab File: VN060179.D
Acq: 21 Feb 2020 10:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	33.2	26.2	39.2
58	68.2	53.2	79.8

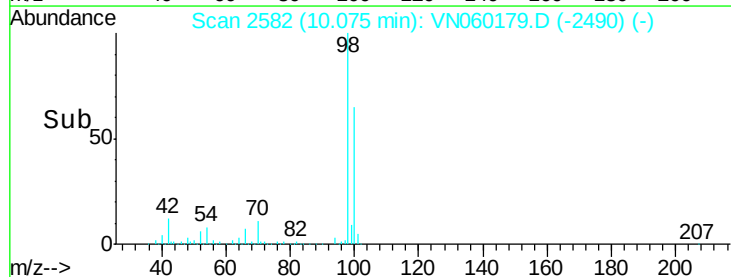
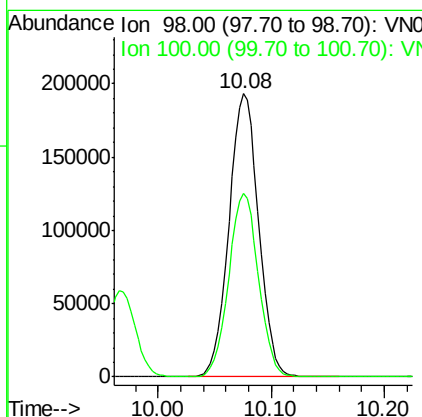
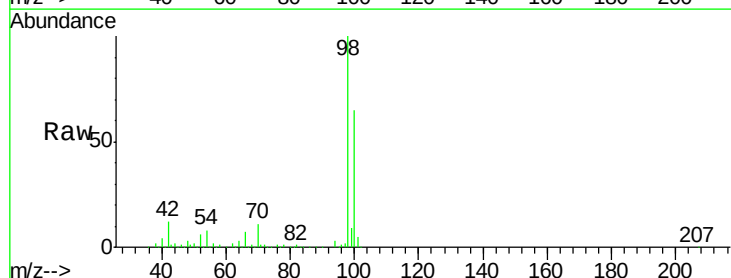
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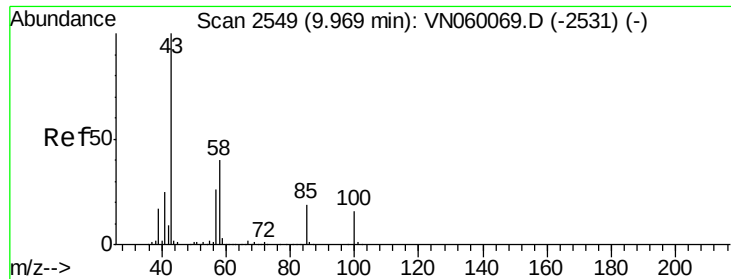
MMDadoda
2/24/2020 11:41:02 AM



#50
Toluene-d8
Concen: 48.814 ug/l
RT: 10.08 min Scan# 2582
Delta R.T. -0.00 min
Lab File: VN060179.D
Acq: 21 Feb 2020 10:20

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.9	51.7	77.5





#51

4-Methyl-2-Pentanone

Concen: 270.390 ug/l

RT: 9.97 min Scan# 2548

Delta R.T. -0.00 min

Lab File: VN060179.D

Acq: 21 Feb 2020 10:20

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 667860

Ion Ratio Lower Upper

43 100

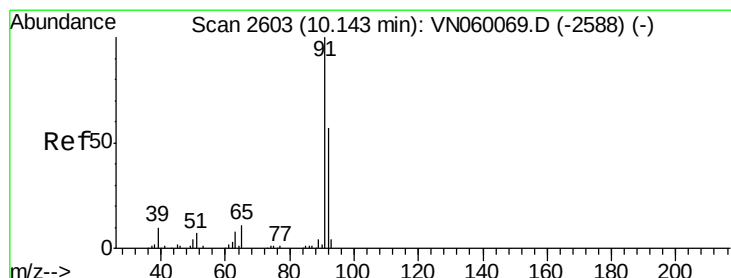
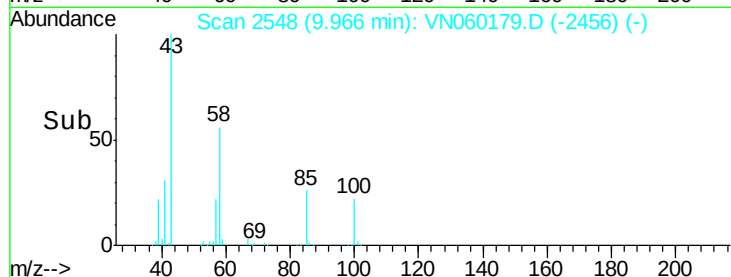
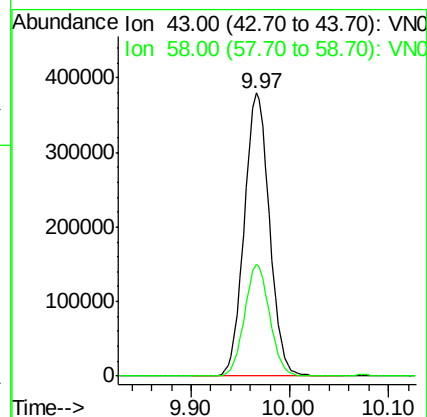
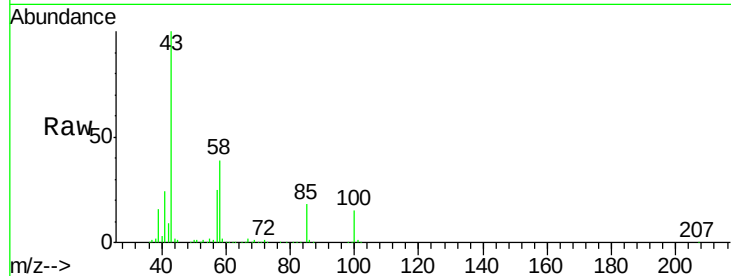
58 39.2 31.8 47.8

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2/24/2020 11:41:02 AM



#52

Toluene

Concen: 51.963 ug/l

RT: 10.14 min Scan# 2602

Delta R.T. -0.00 min

Lab File: VN060179.D

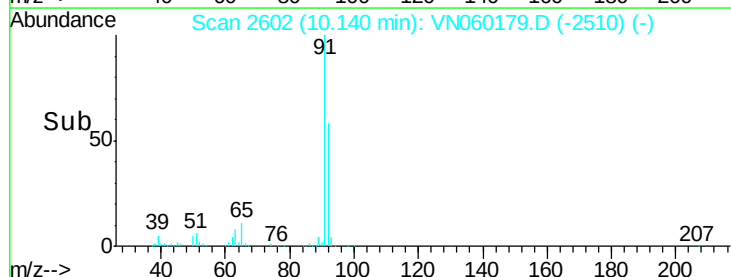
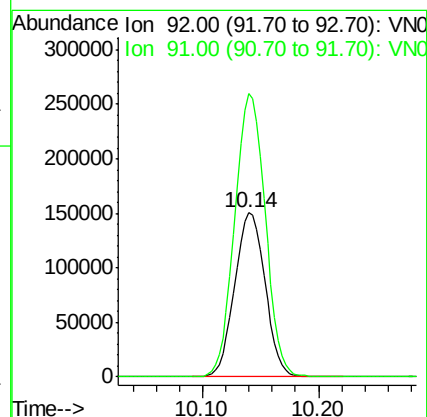
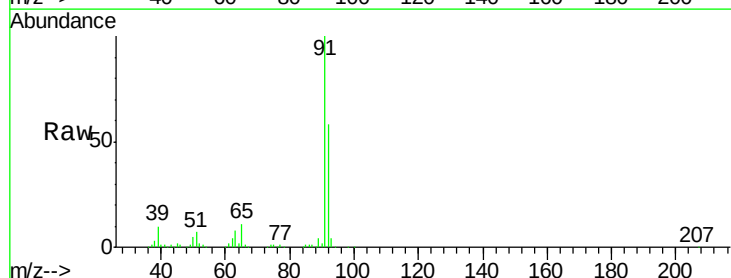
Acq: 21 Feb 2020 10:20

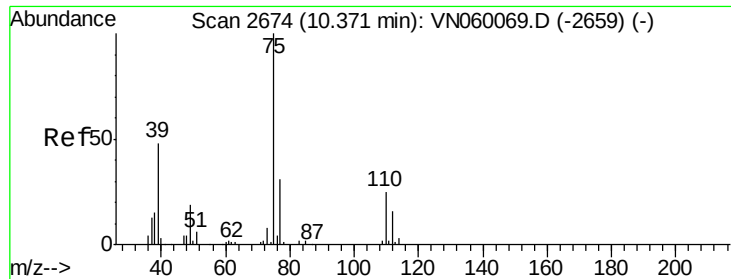
Tgt Ion: 92 Resp: 273023

Ion Ratio Lower Upper

92 100

91 173.1 140.9 211.3





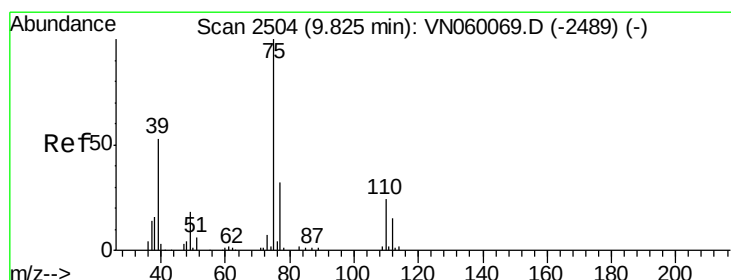
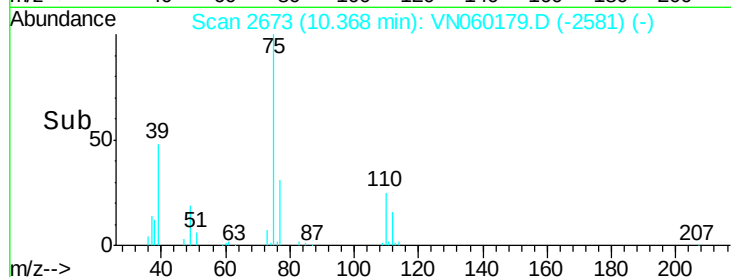
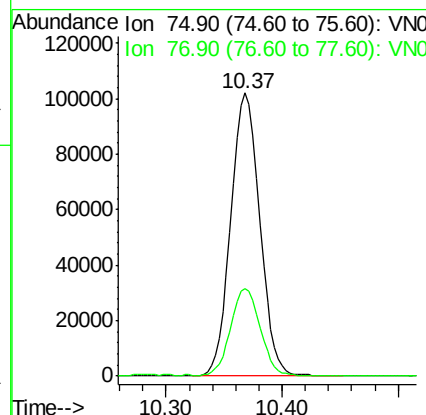
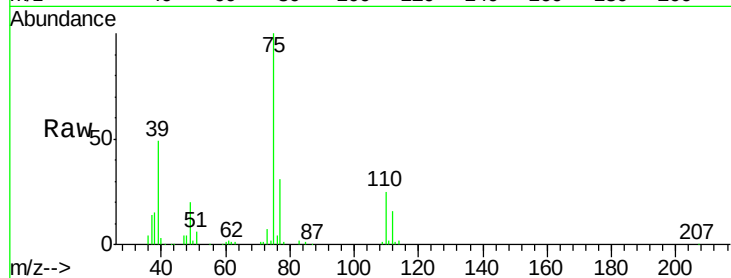
#53
t-1,3-Dichloropropene
Concen: 53.632 ug/l
RT: 10.37 min Scan# 2673
Delta R.T. -0.00 min
Lab File: VN060179.D
Acq: 21 Feb 2020 10:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 176433
Ion Ratio Lower Upper
75 100
77 30.9 25.4 38.0

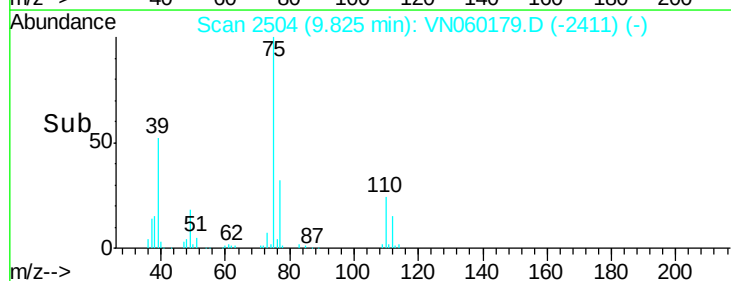
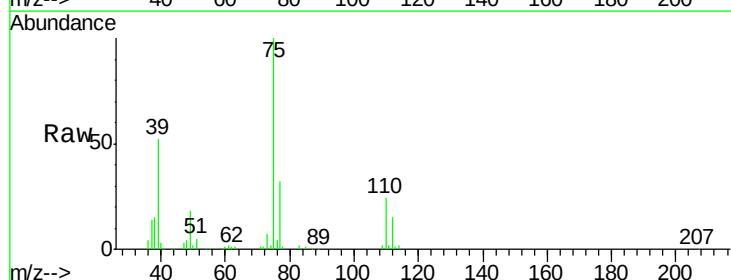
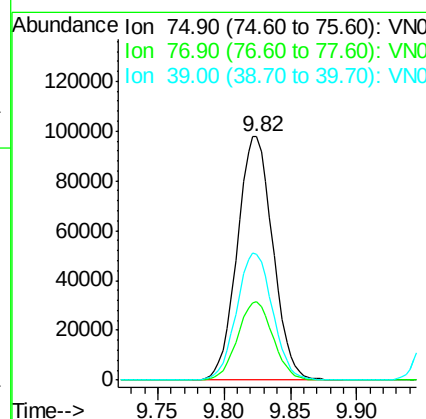
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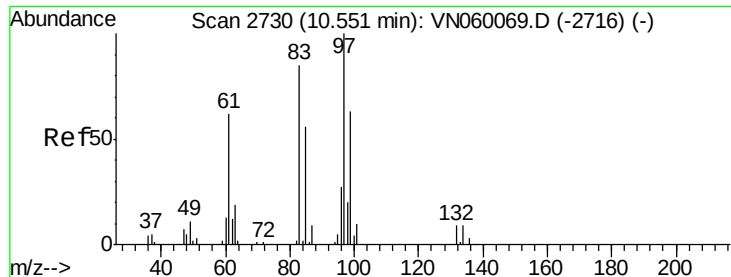
MMDadoda
2/24/2020 11:41:02 AM



#54
cis-1,3-Dichloropropene
Concen: 52.641 ug/l
RT: 9.82 min Scan# 2504
Delta R.T. 0.00 min
Lab File: VN060179.D
Acq: 21 Feb 2020 10:20

Tgt Ion: 75 Resp: 182351
Ion Ratio Lower Upper
75 100
77 32.0 25.6 38.4
39 52.0 42.2 63.4





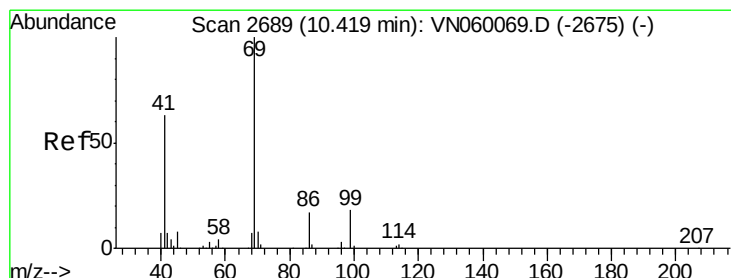
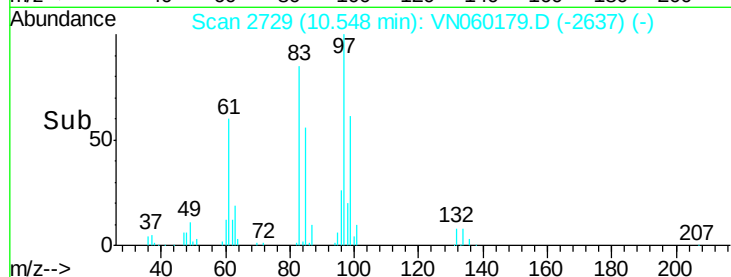
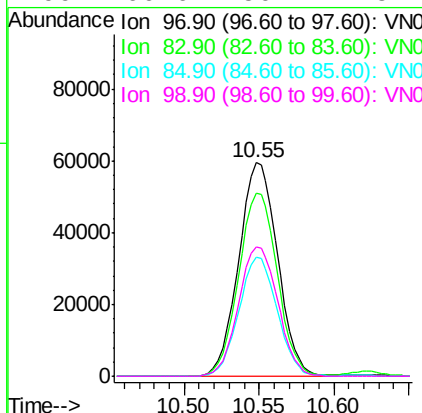
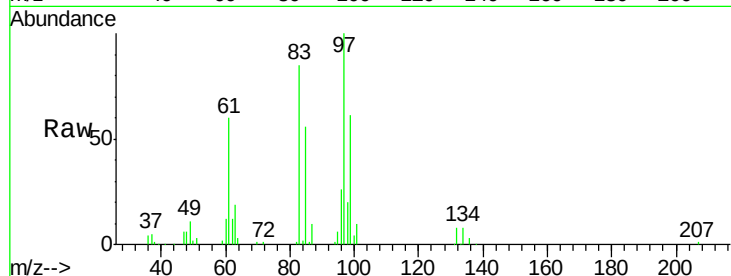
#55
 1,1,2-Trichloroethane
 Concen: 52.558 ug/l
 RT: 10.55 min Scan# 2729
 Delta R.T. -0.00 min
 Lab File: VN060179.D
 Acq: 21 Feb 2020 10:20

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	107734
Ion	Ratio	Lower	Upper
97	100		
83	85.5	67.9	101.9
85	55.8	44.6	67.0
99	60.6	50.1	75.1

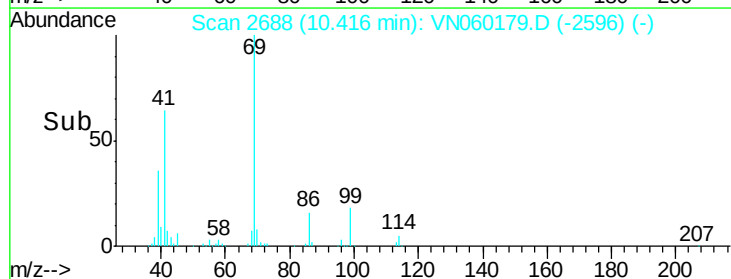
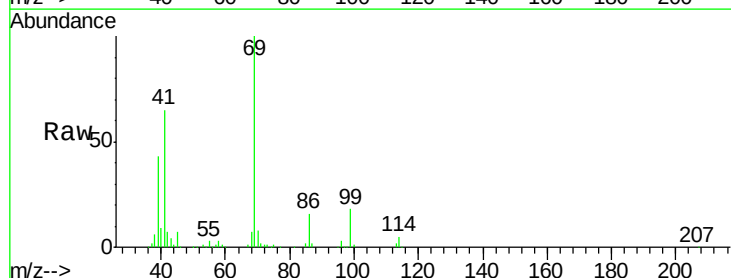
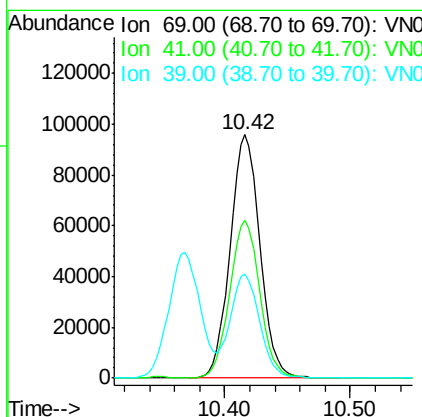
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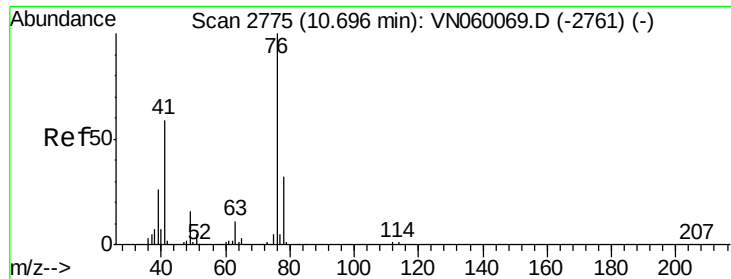
MMDadoda
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#56
 Ethyl methacrylate
 Concen: 54.676 ug/l
 RT: 10.42 min Scan# 2688
 Delta R.T. -0.00 min
 Lab File: VN060179.D
 Acq: 21 Feb 2020 10:20

Tgt Ion:	69	Resp:	158546
Ion	Ratio	Lower	Upper
69	100		
41	64.9	51.1	76.7
39	42.3	33.8	50.8





#57

1,3-Dichloropropane

Concen: 51.836 ug/l

RT: 10.69 min Scan# 2774

Delta R.T. -0.00 min

Lab File: VN060179.D

Acq: 21 Feb 2020 10:20

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 175326

Ion Ratio Lower Upper

76 100

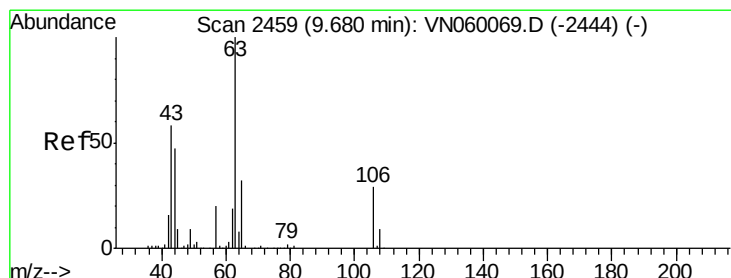
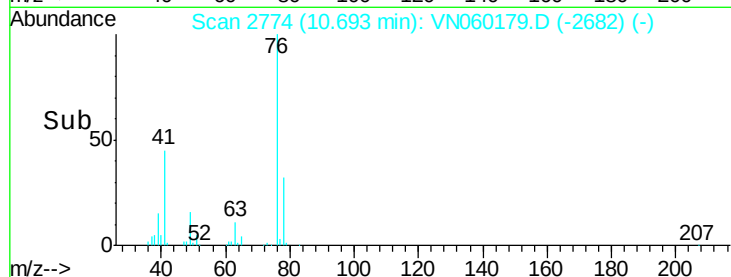
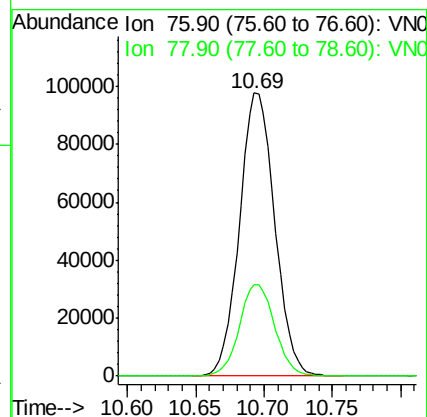
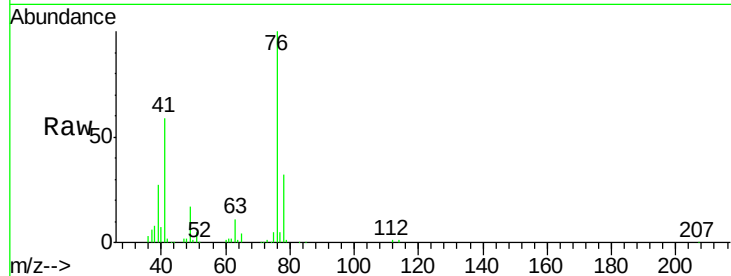
78 32.3 25.7 38.5

Manual Integrations

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2/24/2020 11:41:02 AM



#58

2-Chloroethyl Vinyl ether

Concen: 286.571 ug/l

RT: 9.68 min Scan# 2458

Delta R.T. -0.00 min

Lab File: VN060179.D

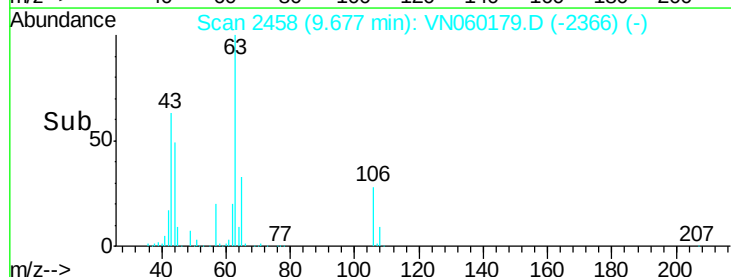
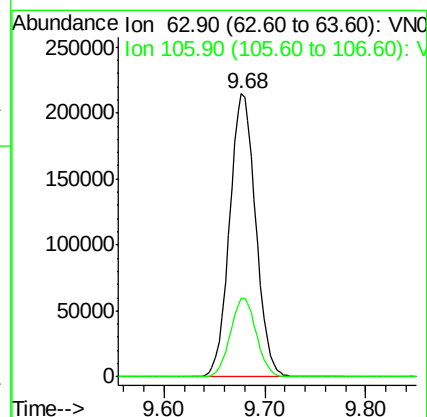
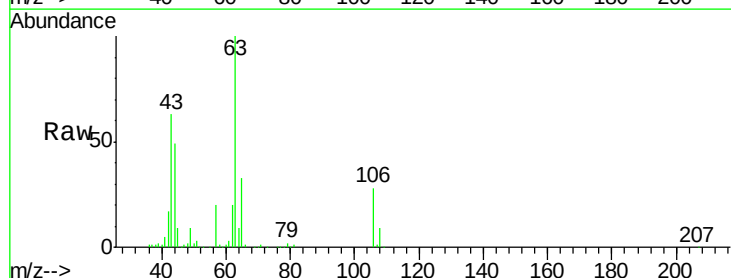
Acq: 21 Feb 2020 10:20

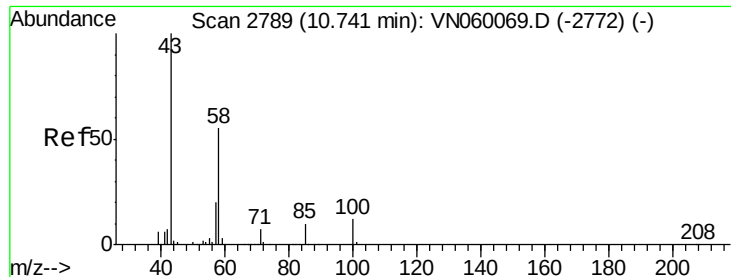
Tgt Ion: 63 Resp: 387126

Ion Ratio Lower Upper

63 100

106 27.9 22.9 34.3





#59

2-Hexanone

Concen: 267.001 ug/l

RT: 10.74 min Scan# 2788

Delta R.T. -0.00 min

Lab File: VN060179.D

Acq: 21 Feb 2020 10:20

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 509437

Ion Ratio Lower Upper

43 100

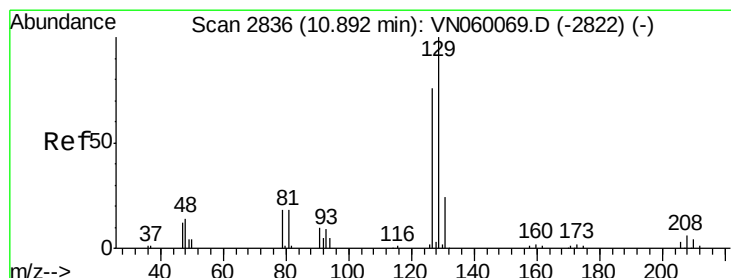
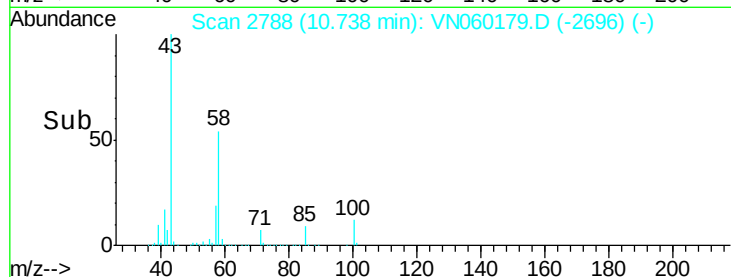
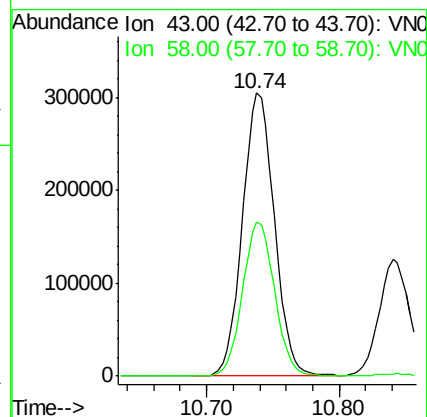
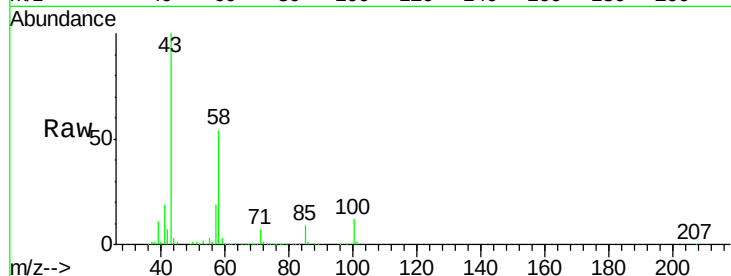
58 54.6 27.5 82.4

Manual Integrations

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#60

Dibromochloromethane

Concen: 51.887 ug/l

RT: 10.89 min Scan# 2836

Delta R.T. 0.00 min

Lab File: VN060179.D

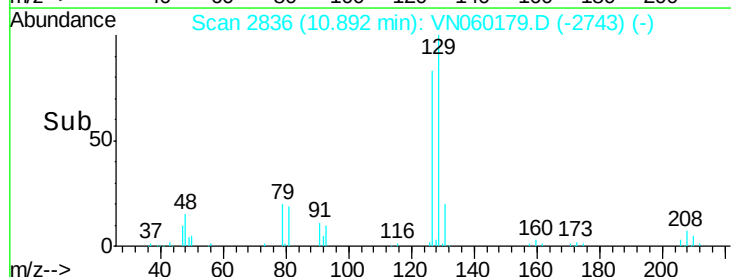
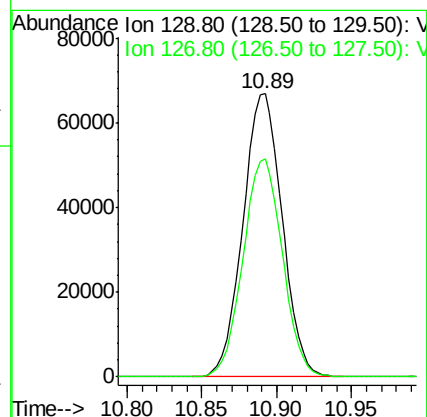
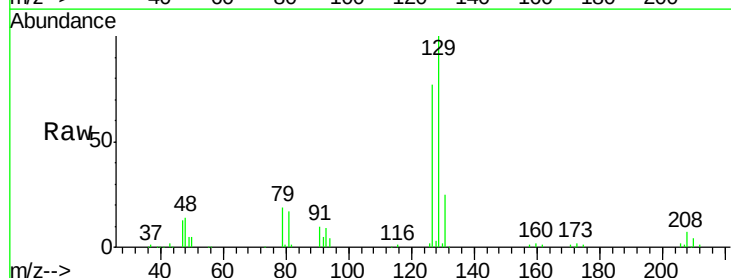
Acq: 21 Feb 2020 10:20

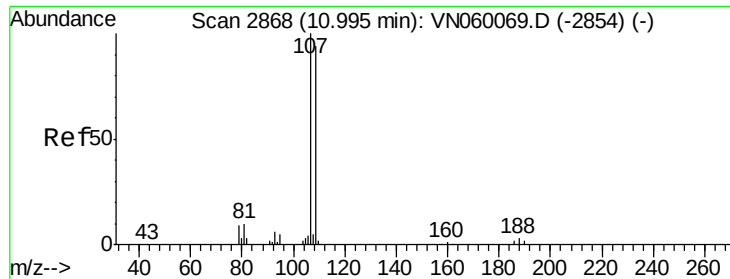
Tgt Ion: 129 Resp: 122052

Ion Ratio Lower Upper

129 100

127 77.3 38.0 114.1





#61

1,2-Dibromoethane

Concen: 52.256 ug/l

RT: 10.99 min Scan# 2868

Delta R.T. 0.00 min

Lab File: VN060179.D

Acq: 21 Feb 2020 10:20

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:107 Resp: 112287

Ion Ratio Lower Upper

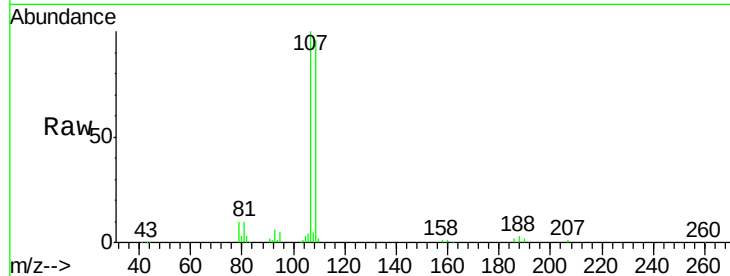
107 100

109 95.6 75.4 113.0

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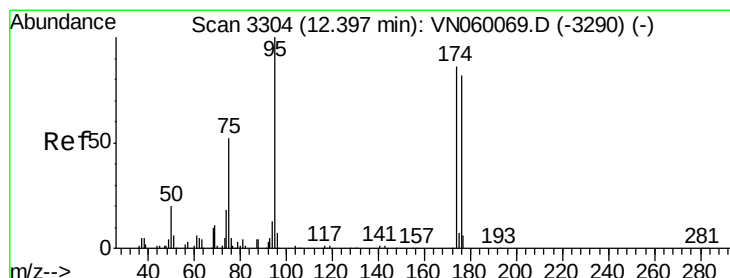
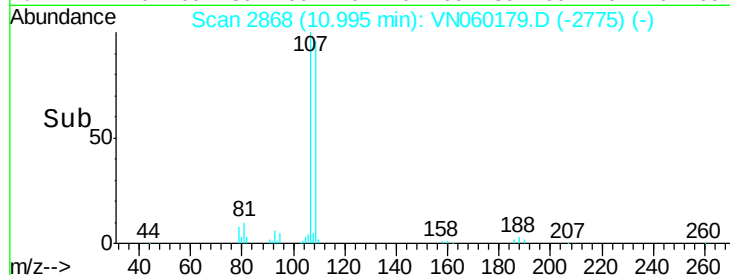
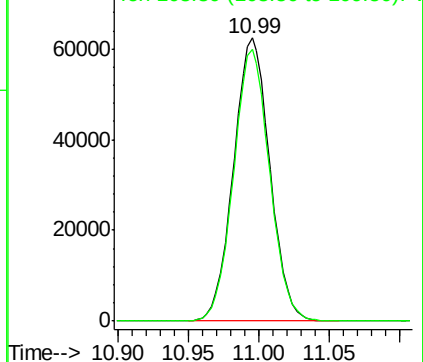
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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 50.662 ug/l

RT: 12.39 min Scan# 3303

Delta R.T. -0.00 min

Lab File: VN060179.D

Acq: 21 Feb 2020 10:20

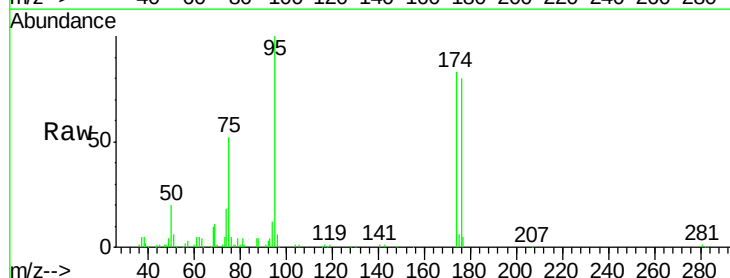
Tgt Ion: 95 Resp: 134382

Ion Ratio Lower Upper

95 100

174 83.9 0.0 169.8

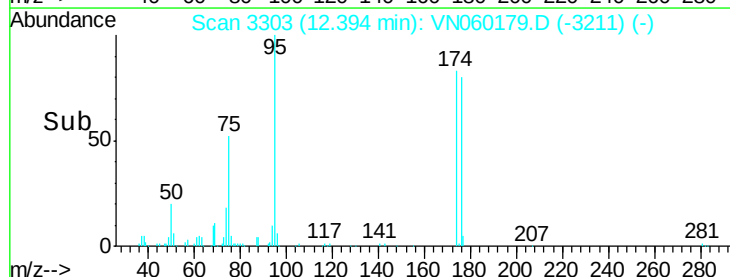
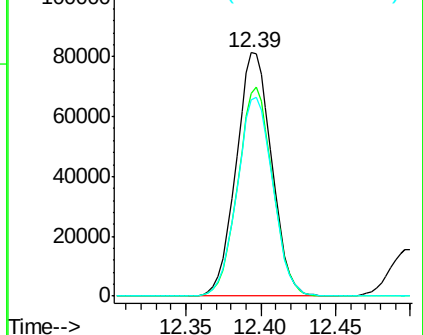
176 82.1 0.0 164.8

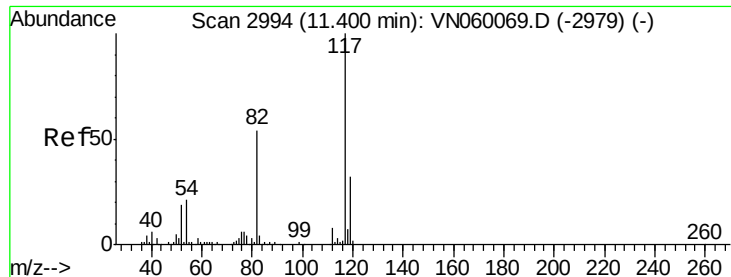


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





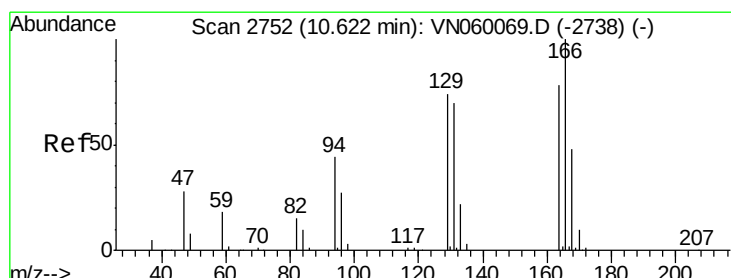
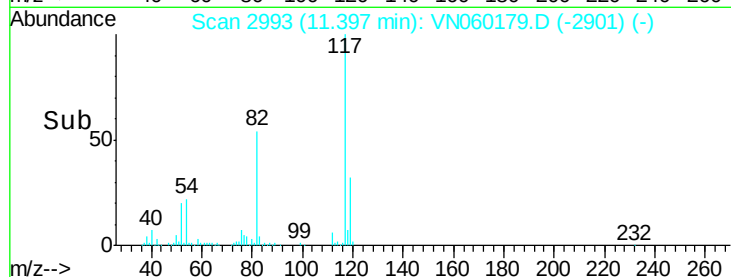
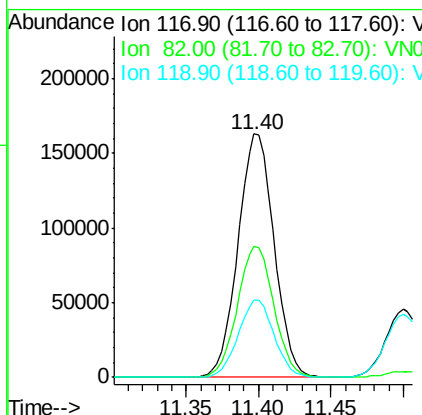
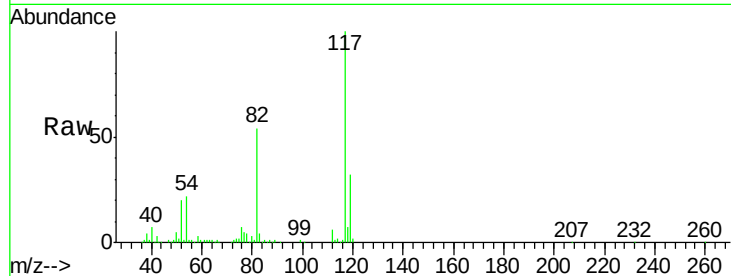
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2993
Delta R.T. -0.00 min
Lab File: VN060179.D
Acq: 21 Feb 2020 10:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	281908		
82	53.9	43.4	65.0	
119	31.5	25.8	38.6	

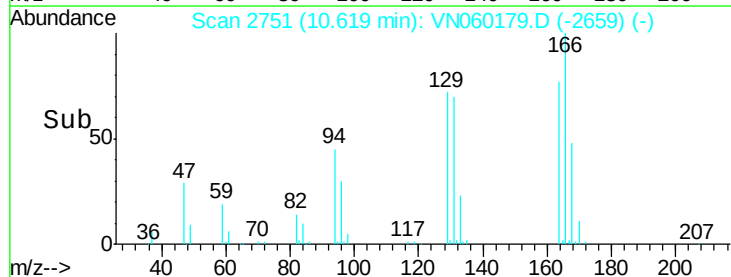
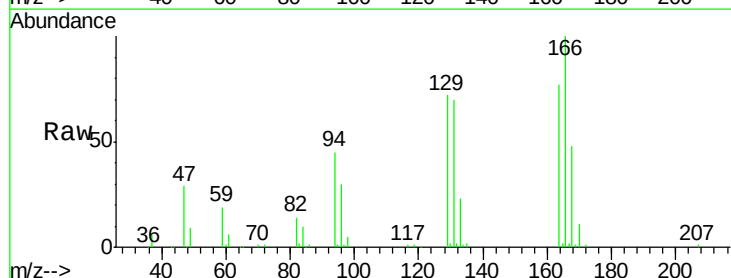
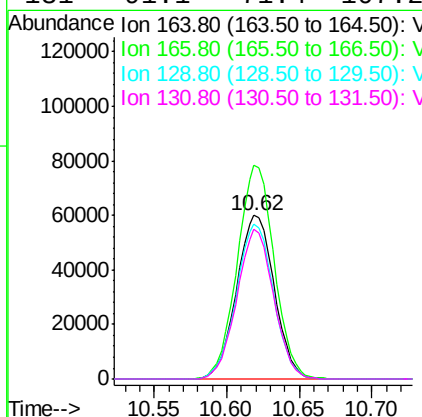
Manual Integrations
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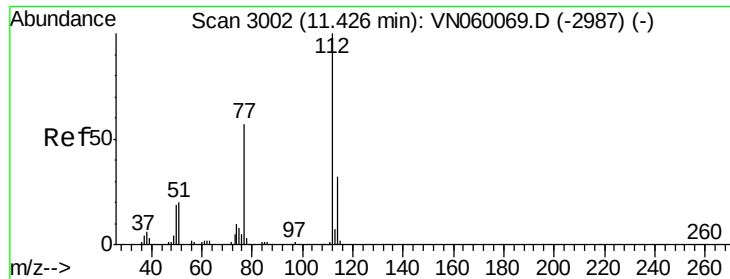
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#64
Tetrachloroethene
Concen: 50.635 ug/l
RT: 10.62 min Scan# 2751
Delta R.T. -0.00 min
Lab File: VN060179.D
Acq: 21 Feb 2020 10:20

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	108513		
166	130.5	101.9	152.9	
129	94.6	75.4	113.0	
131	91.1	71.4	107.2	





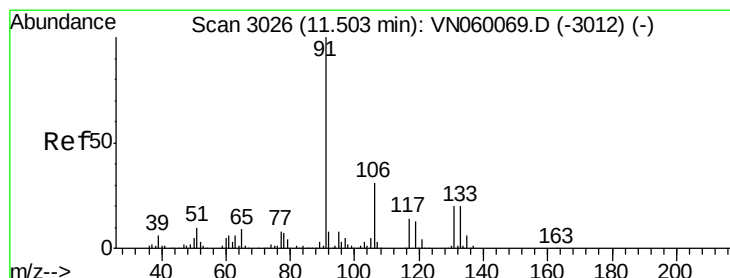
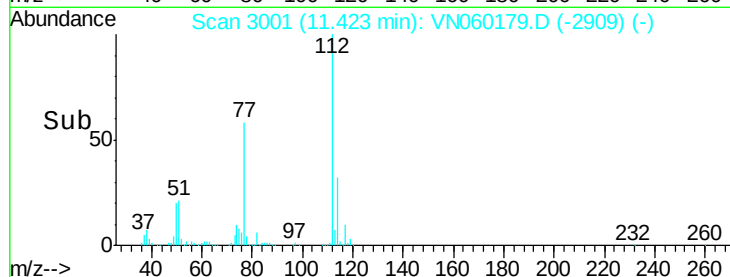
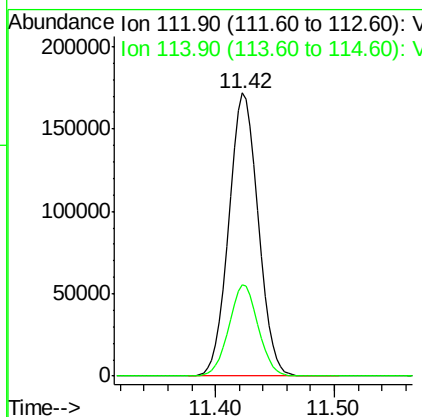
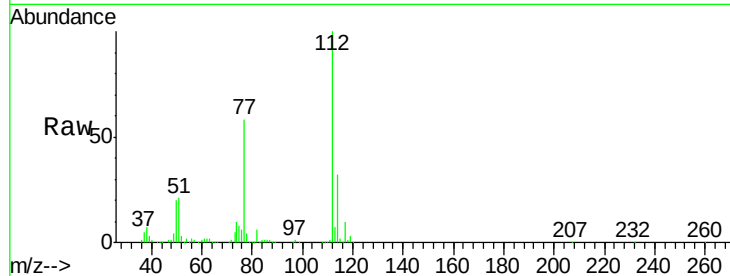
#65
Chlorobenzene
Concen: 51.249 ug/l
RT: 11.42 min Scan# 3001
Delta R.T. -0.00 min
Lab File: VN060179.D
Acq: 21 Feb 2020 10:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.2	25.4	38.0

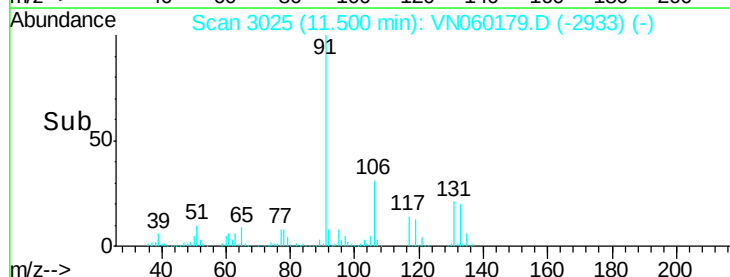
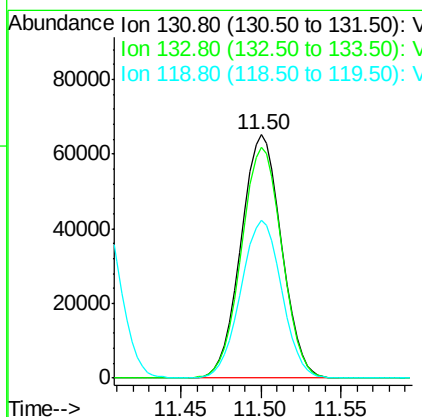
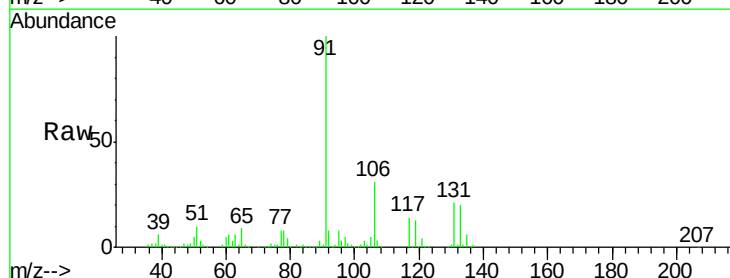
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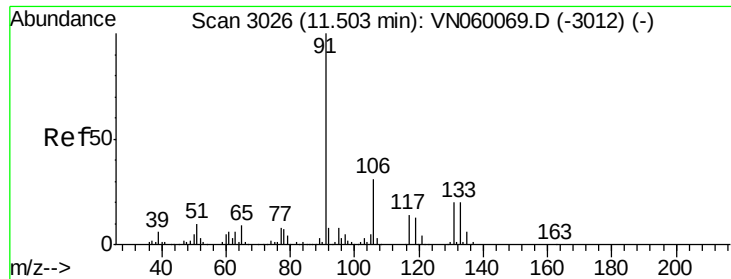
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#66
1,1,1,2-Tetrachloroethane
Concen: 51.848 ug/l
RT: 11.50 min Scan# 3025
Delta R.T. -0.00 min
Lab File: VN060179.D
Acq: 21 Feb 2020 10:20

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.1	47.9	143.7
119	65.5	32.6	97.7





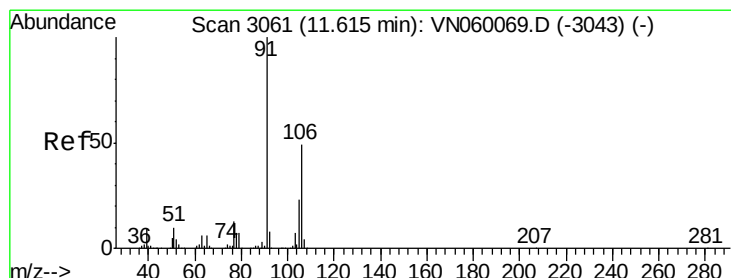
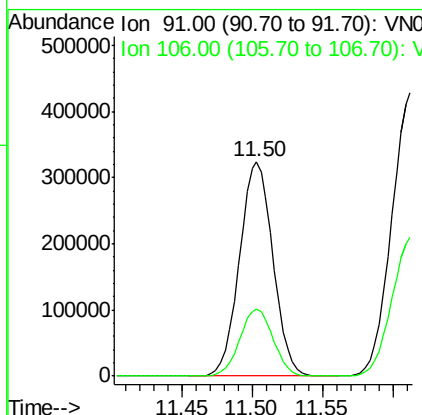
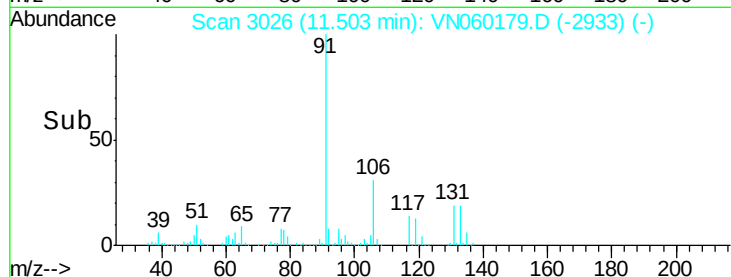
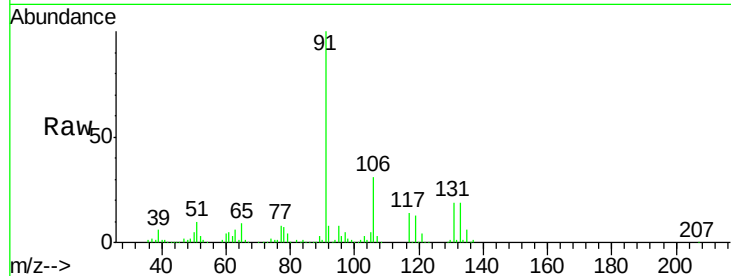
#67
Ethyl Benzene
Concen: 51.904 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. 0.00 min
Lab File: VN060179.D
Acq: 21 Feb 2020 10:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 537659
Ion Ratio Lower Upper
91 100
106 31.2 25.1 37.7

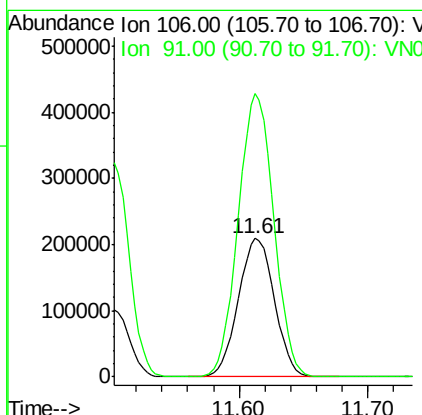
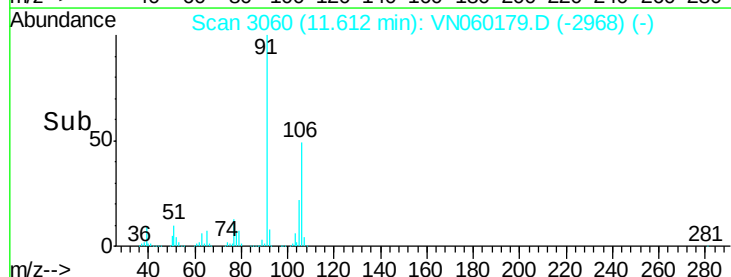
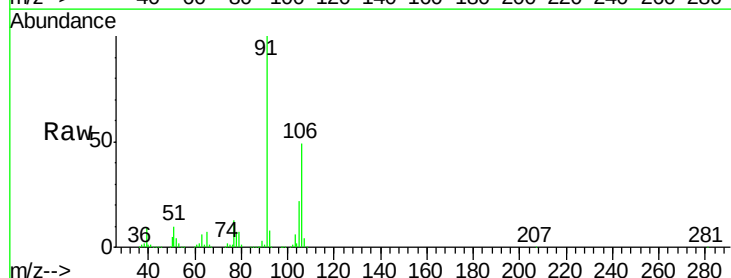
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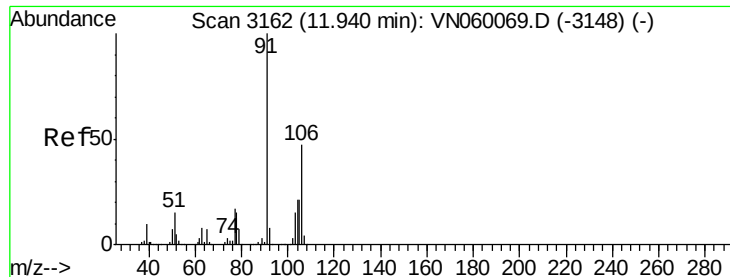
MMDadoda
2/24/2020 11:41:02 AM



#68
m/p-Xylenes
Concen: 104.544 ug/l
RT: 11.61 min Scan# 3060
Delta R.T. -0.00 min
Lab File: VN060179.D
Acq: 21 Feb 2020 10:20

Tgt Ion: 106 Resp: 406447
Ion Ratio Lower Upper
106 100
91 202.3 162.7 244.1





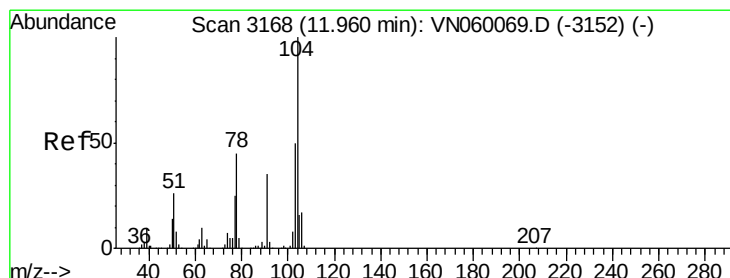
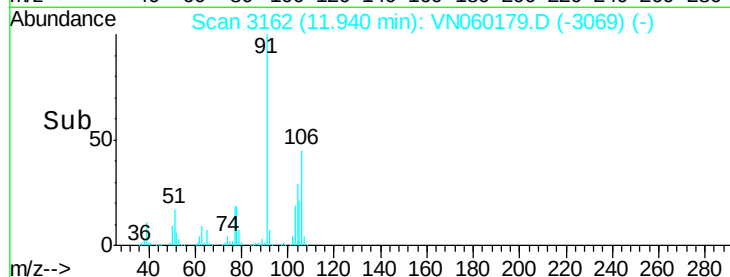
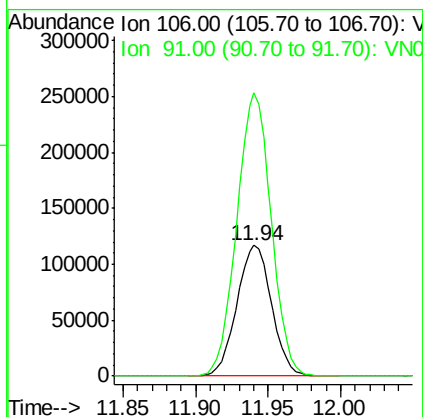
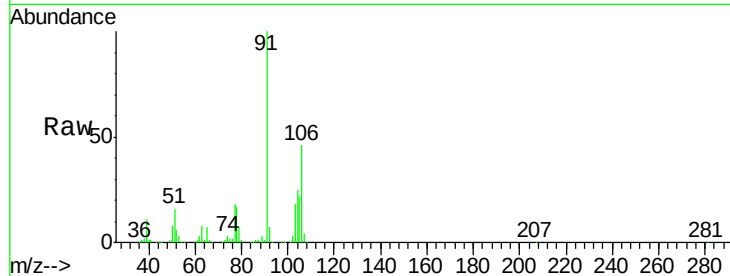
#69
o-Xylene
Concen: 51.752 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. 0.00 min
Lab File: VN060179.D
Acq: 21 Feb 2020 10:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	215.4	107.2	321.6	

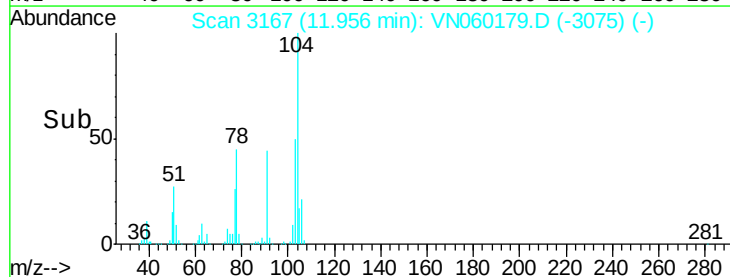
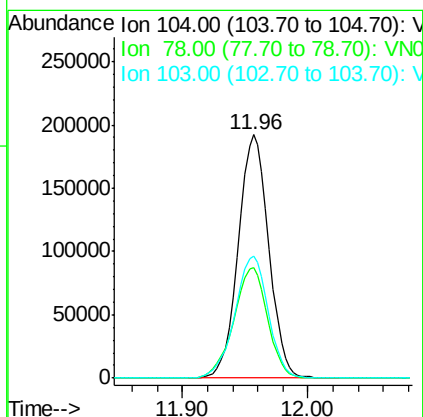
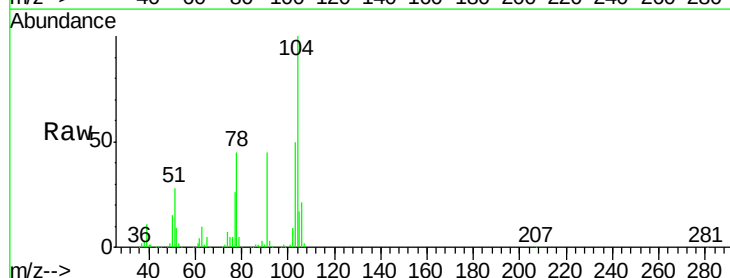
Manual Integrations
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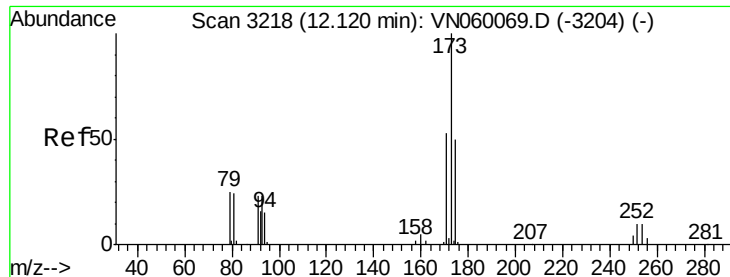
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#70
Styrene
Concen: 53.826 ug/l
RT: 11.96 min Scan# 3167
Delta R.T. -0.00 min
Lab File: VN060179.D
Acq: 21 Feb 2020 10:20

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	50.4	40.2	60.2	
103	54.9	44.3	66.5	





#71

Bromoform

Concen: 53.168 ug/l

RT: 12.12 min Scan# 3218

Delta R.T. 0.00 min

Lab File: VN060179.D

Acq: 21 Feb 2020 10:20

Instrument :

MSVOA_N

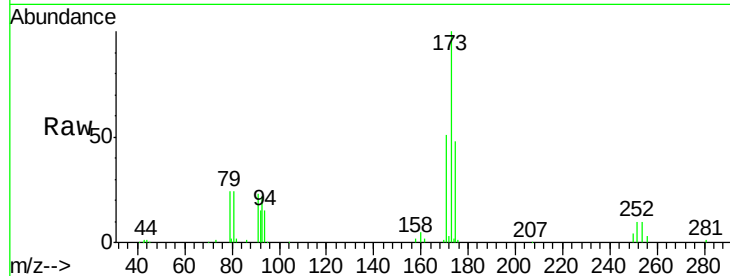
ClientSampleId :

VSTDCCC050

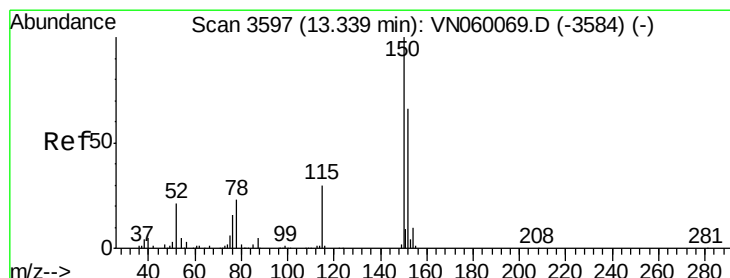
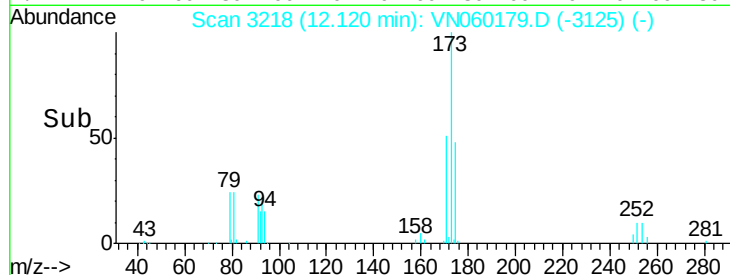
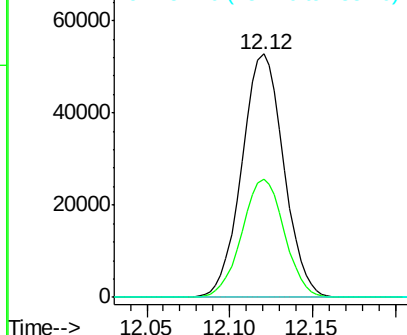
Tot Ion:	173	Resp:	92914
Ion Ratio	Lower	Upper	
173	100		
175	48.9	24.9	74.6
254	0.0	0.0	0.0

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

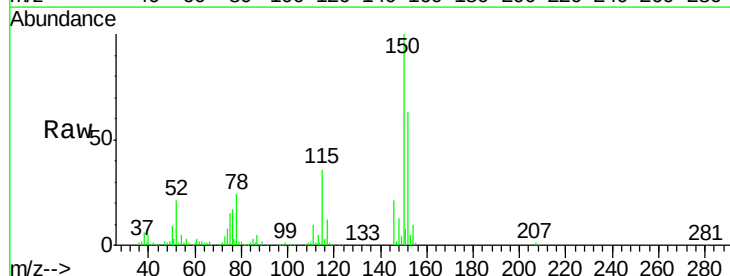
RT: 13.34 min Scan# 3597

Delta R.T. 0.00 min

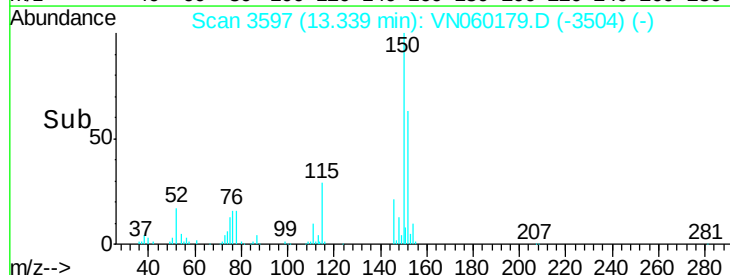
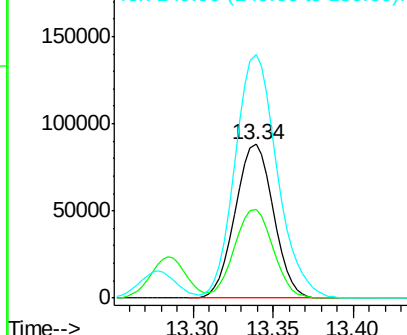
Lab File: VN060179.D

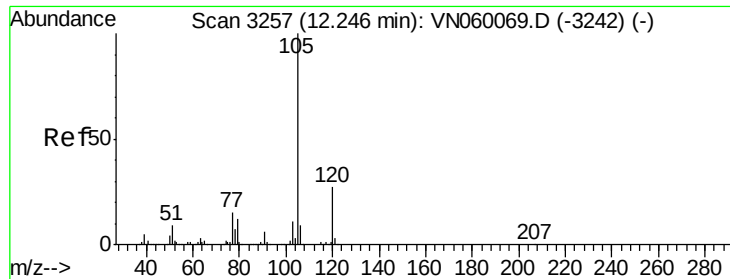
Acq: 21 Feb 2020 10:20

Tgt Ion:	152	Resp:	144159
Ion Ratio	Lower	Upper	
152	100		
115	58.1	28.9	86.8
150	173.7	0.0	342.4



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





#73

Isopropylbenzene

Concen: 49.624 ug/l

RT: 12.24 min Scan# 3256

Delta R.T. -0.00 min

Lab File: VN060179.D

Acq: 21 Feb 2020 10:20

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 534209

Ion Ratio Lower Upper

105 100

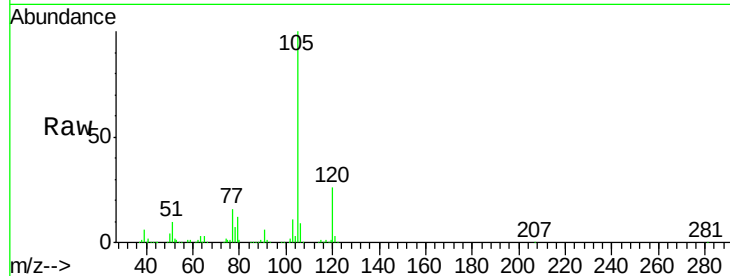
120 26.5 13.3 39.8

Manual Integrations

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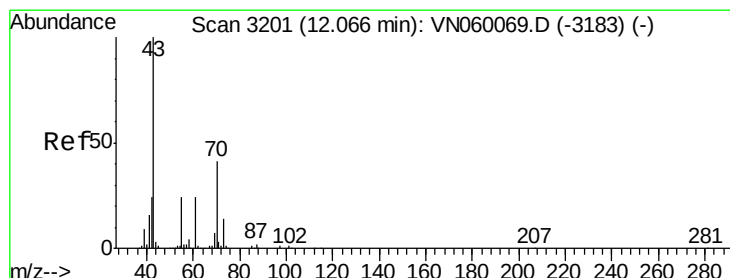
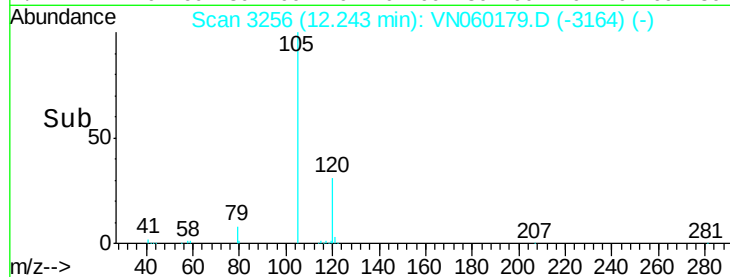
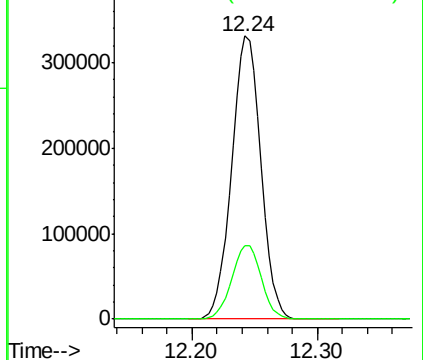
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 53.387 ug/l

RT: 12.06 min Scan# 3200

Delta R.T. -0.00 min

Lab File: VN060179.D

Acq: 21 Feb 2020 10:20

Tgt Ion: 43 Resp: 207239

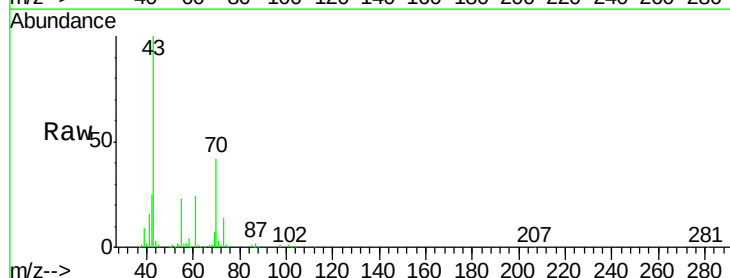
Ion Ratio Lower Upper

43 100

70 41.9 33.4 50.0

55 23.6 18.8 28.2

61 23.8 19.2 28.8

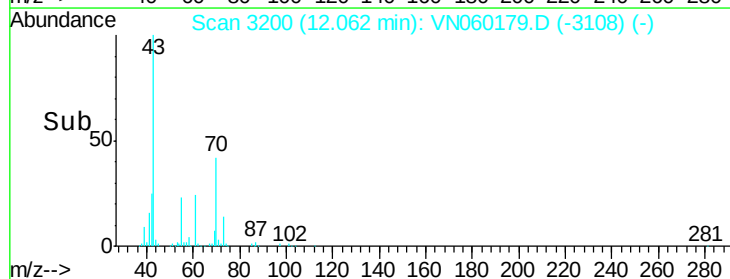
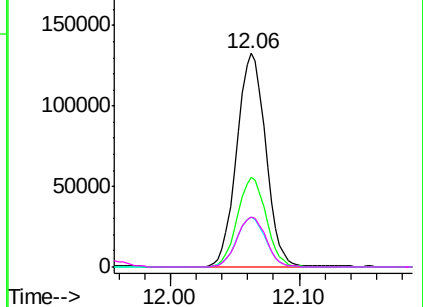


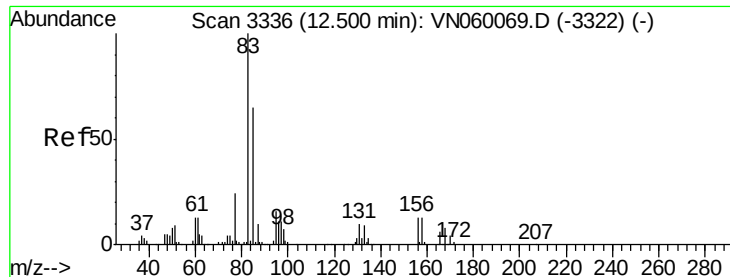
Abundance Ion 43.00 (42.70 to 43.70): V

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





#75

1,1,2,2-Tetrachloroethane

Concen: 50.084 ug/l

RT: 12.50 min Scan# 3335

Delta R.T. -0.00 min

Lab File: VN060179.D

Acq: 21 Feb 2020 10:20

Instrument :

MSVOA_N

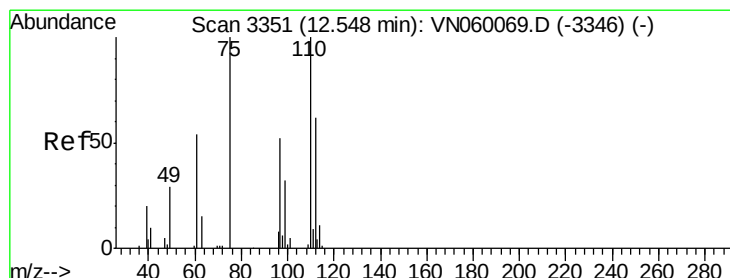
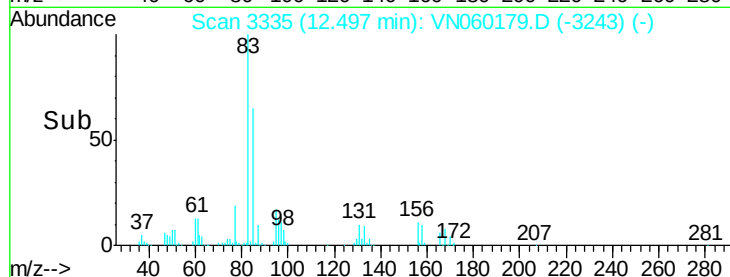
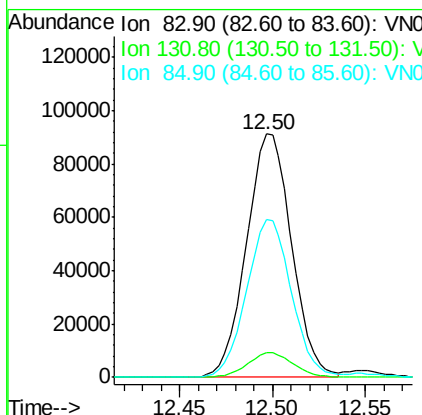
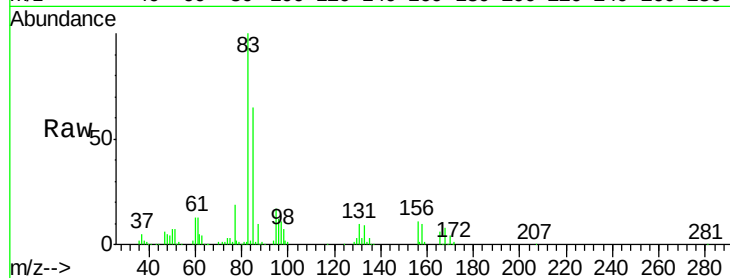
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	155189
Ion Ratio	Lower	Upper	
83	100		
131	10.2	5.2	15.6
85	64.3	32.3	96.9

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 49.350 ug/l m

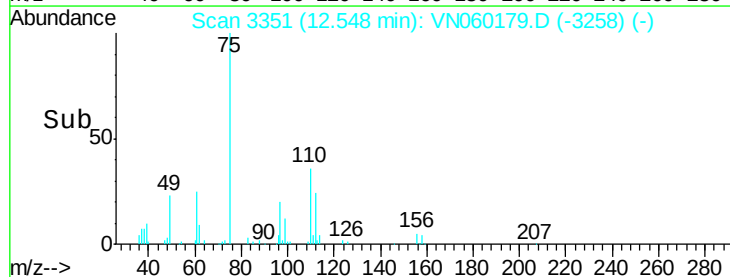
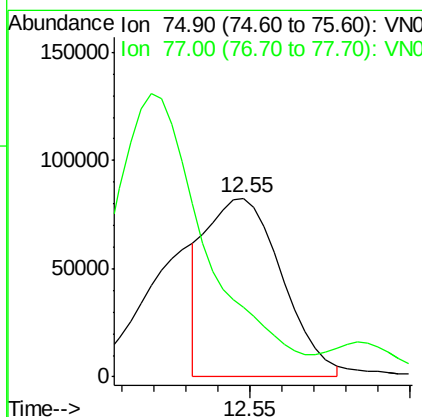
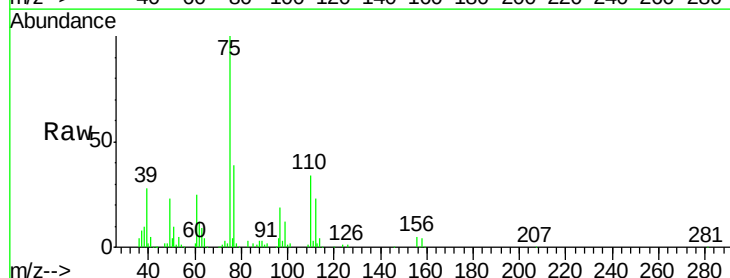
RT: 12.55 min Scan# 3351

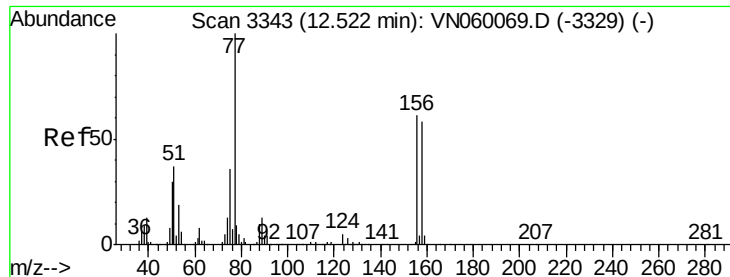
Delta R.T. 0.00 min

Lab File: VN060179.D

Acq: 21 Feb 2020 10:20

Tgt Ion:	75	Resp:	136112
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 49.855 ug/l

RT: 12.52 min Scan# 3342

Delta R.T. -0.00 min

Lab File: VN060179.D

Acq: 21 Feb 2020 10:20

Instrument :

MSVOA_N

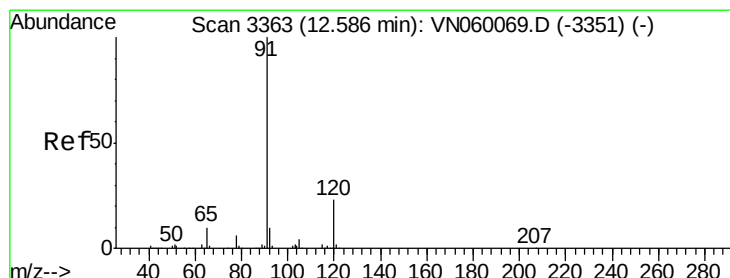
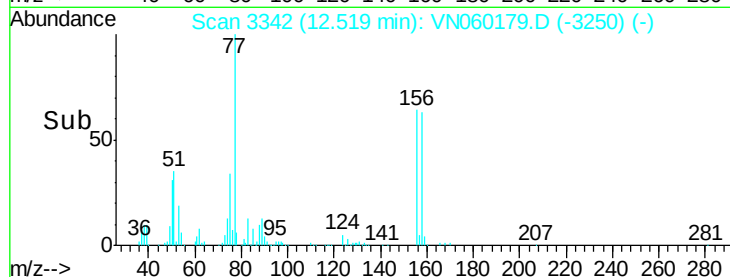
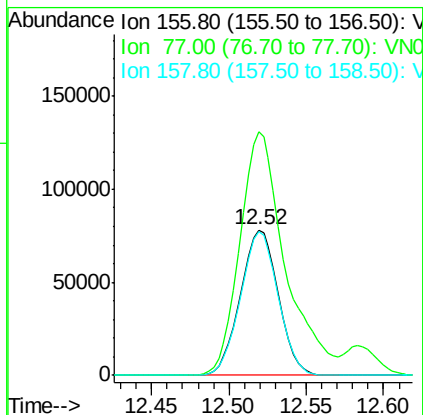
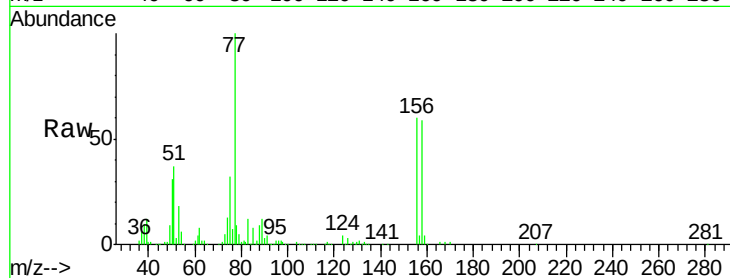
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	133190
Ion Ratio	Lower	Upper	
156	100		
77	200.8	98.7	296.1
158	98.0	48.1	144.4

Manual Integrations
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2/24/2020 11:41:02 AM



#78

n-propylbenzene

Concen: 50.528 ug/l

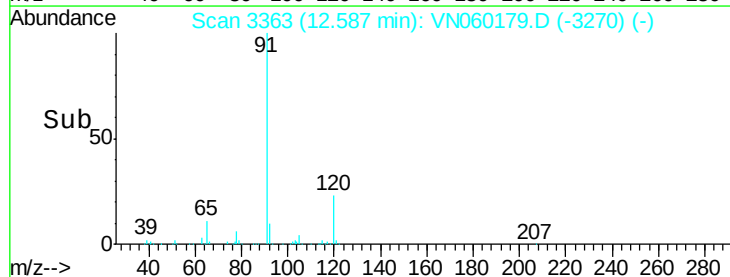
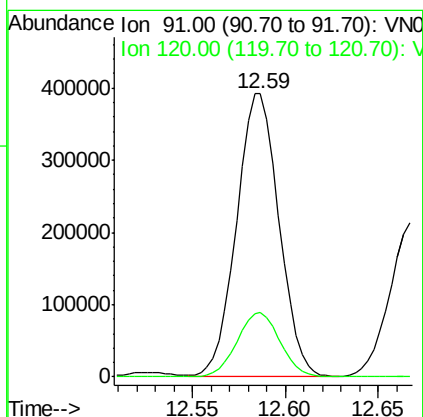
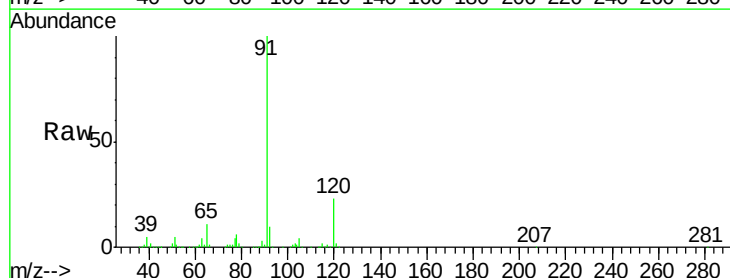
RT: 12.59 min Scan# 3363

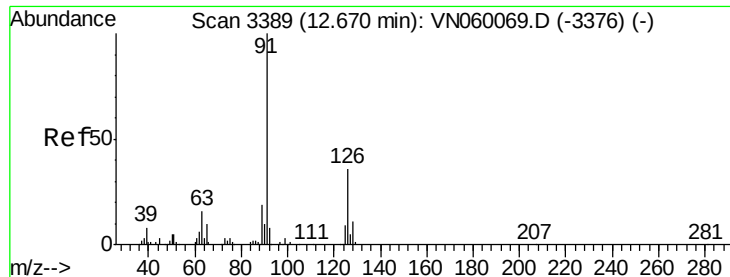
Delta R.T. 0.00 min

Lab File: VN060179.D

Acq: 21 Feb 2020 10:20

Tgt Ion:	91	Resp:	619717
Ion Ratio	Lower	Upper	
91	100		
120	23.0	11.5	34.5





#79

2-Chlorotoluene

Concen: 49.695 ug/l

RT: 12.67 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VN060179.D

Acq: 21 Feb 2020 10:20

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 91 Resp: 358247

Ion Ratio Lower Upper

91 100

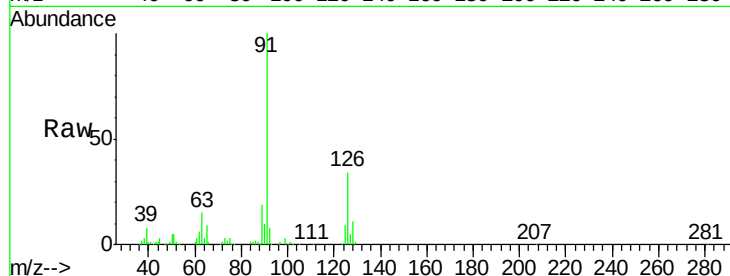
126 34.5 17.4 52.2

Manual Integrations

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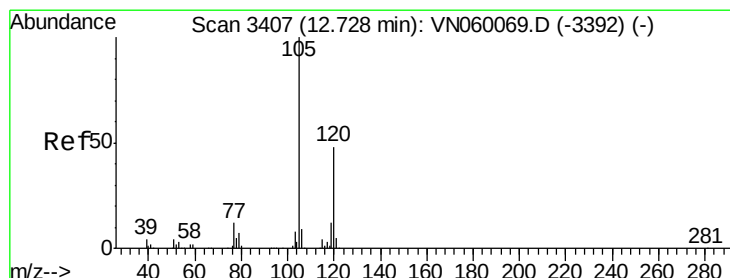
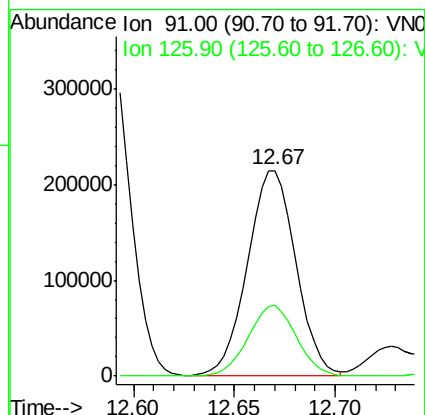
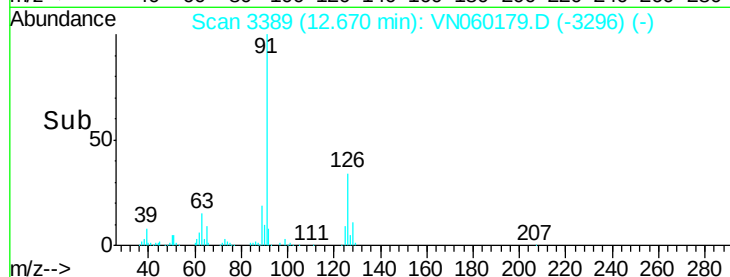
2/24/2020 11:41:02 AM



Abundance Ion 91.00 (90.70 to 91.70): VN060179.D (-3376) (-)

Ion 125.90 (125.60 to 126.60): VN060179.D (-3376) (-)

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 50.546 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. 0.00 min

Lab File: VN060179.D

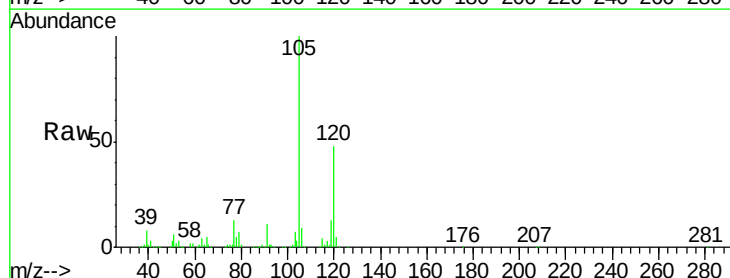
Acq: 21 Feb 2020 10:20

Tgt Ion: 105 Resp: 452419

Ion Ratio Lower Upper

105 100

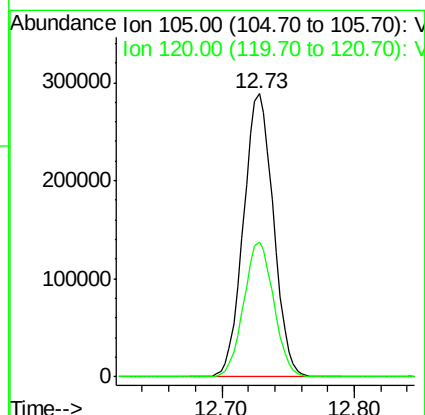
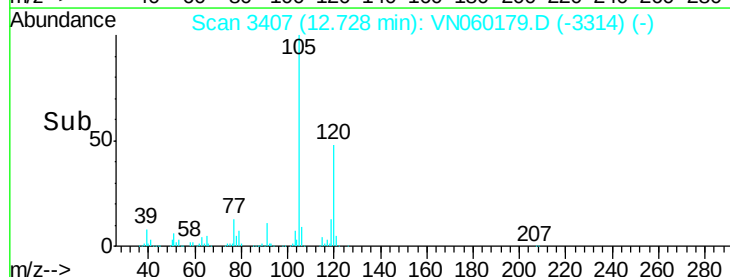
120 47.7 24.3 72.9

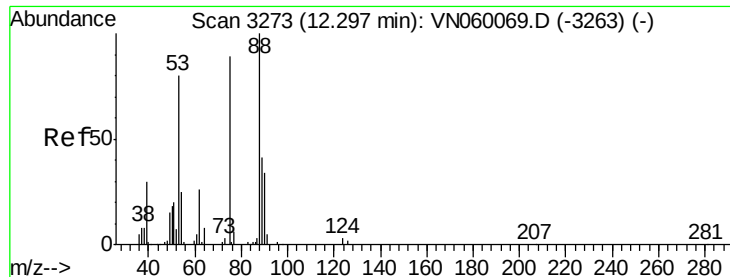


Abundance Ion 105.00 (104.70 to 105.70): VN060179.D (-3392) (-)

Ion 120.00 (119.70 to 120.70): VN060179.D (-3392) (-)

Time-->





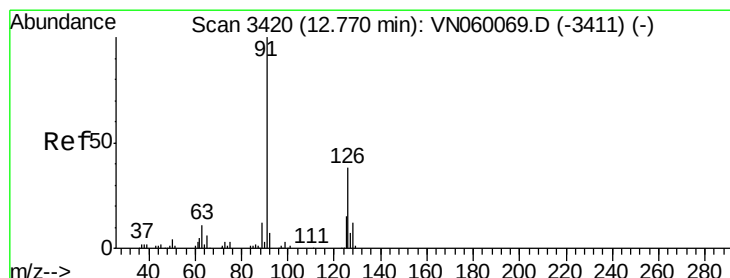
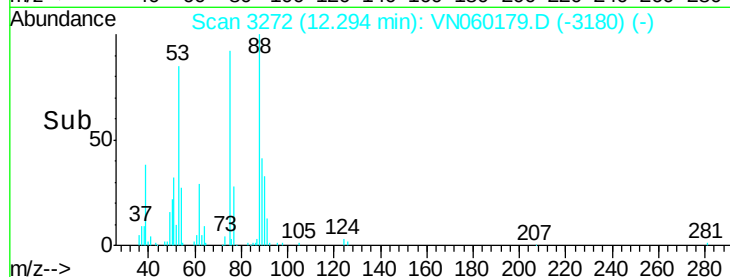
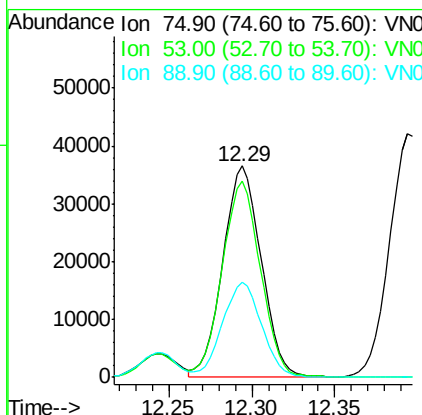
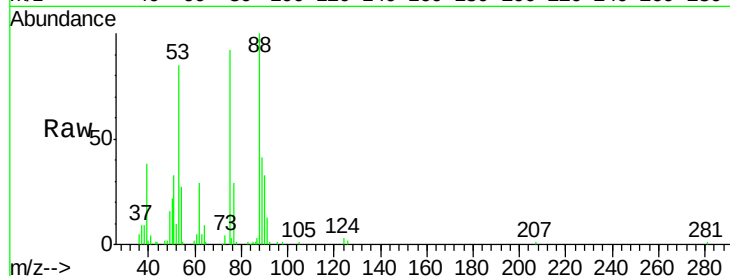
#81
trans-1,4-Dichloro-2-butene
Concen: 52.383 ug/l
RT: 12.29 min Scan# 3272
Delta R.T. -0.00 min
Lab File: VN060179.D
Acq: 21 Feb 2020 10:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	92.6	73.9	110.9
89	45.6	37.0	55.4

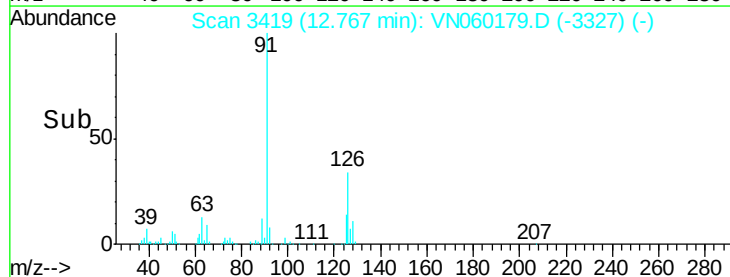
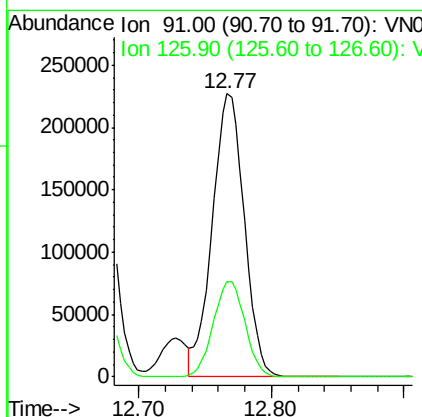
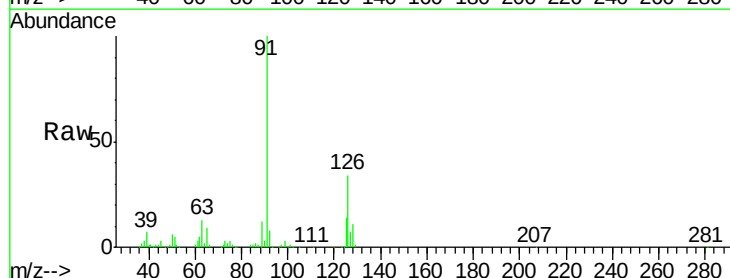
Manual Integrations
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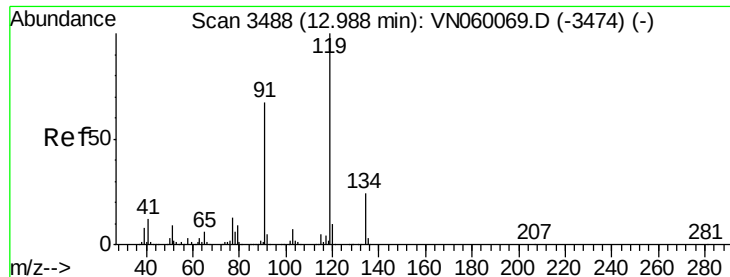
MMDadoda
2/24/2020 11:41:02 AM



#82
4-Chlorotoluene
Concen: 51.221 ug/l
RT: 12.77 min Scan# 3419
Delta R.T. -0.00 min
Lab File: VN060179.D
Acq: 21 Feb 2020 10:20

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.7	17.1	51.3





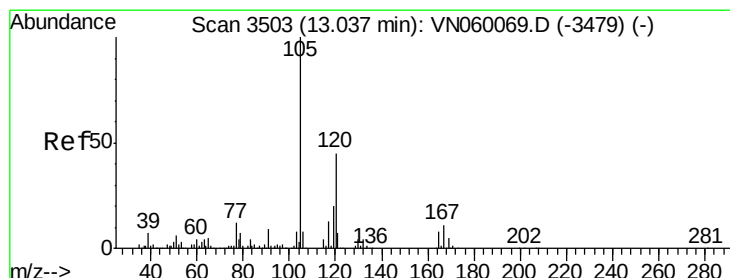
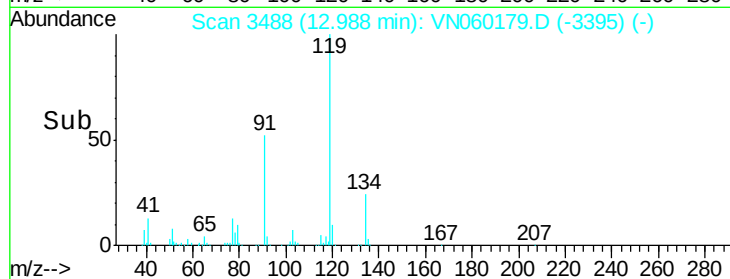
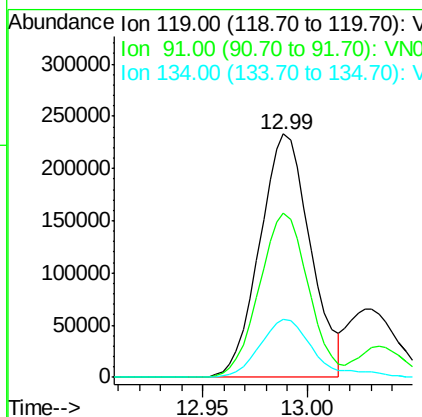
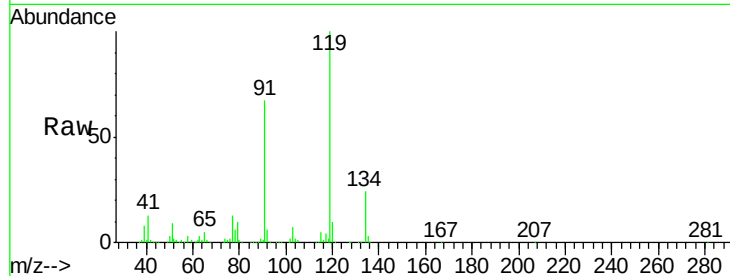
#83
 tert-Butylbenzene
 Concen: 49.290 ug/l
 RT: 12.99 min Scan# 3488
 Delta R.T. 0.00 min
 Lab File: VN060179.D
 Acq: 21 Feb 2020 10:20

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	65.7	32.7	98.1
134	25.4	12.9	38.7

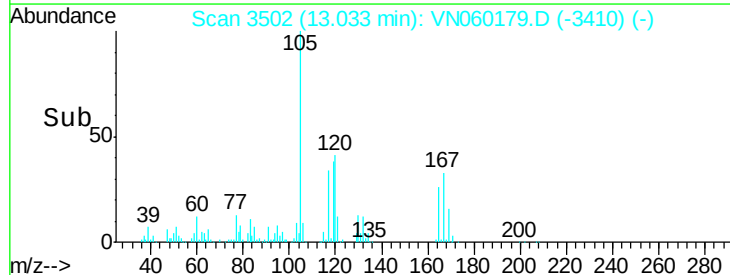
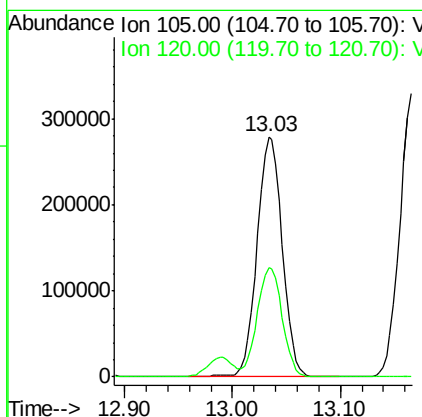
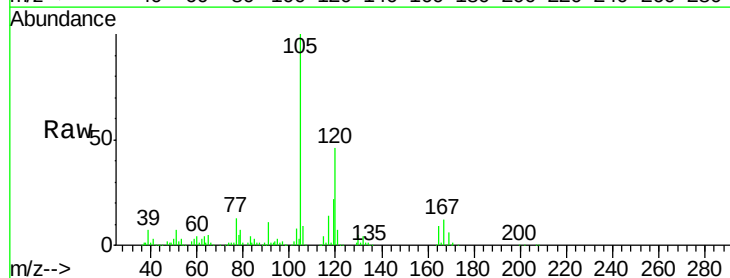
Manual Integrations
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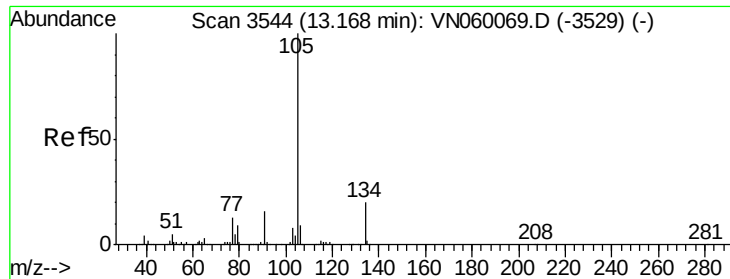
MMDadoda
 2/24/2020 11:41:02 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 51.052 ug/l
 RT: 13.03 min Scan# 3502
 Delta R.T. -0.00 min
 Lab File: VN060179.D
 Acq: 21 Feb 2020 10:20

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.2	22.4	67.3





#85

sec-Butylbenzene

Concen: 50.416 ug/l

RT: 13.17 min Scan# 3543

Delta R.T. -0.00 min

Lab File: VN060179.D

Acq: 21 Feb 2020 10:20

Instrument :

MSVOA_N

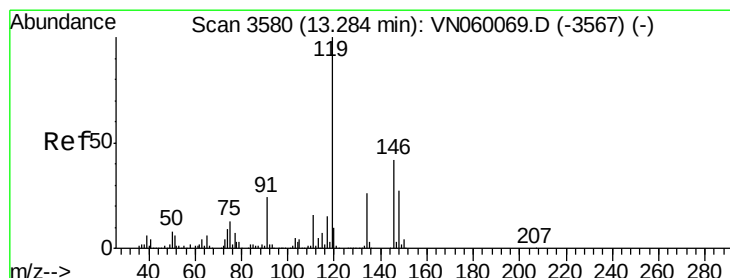
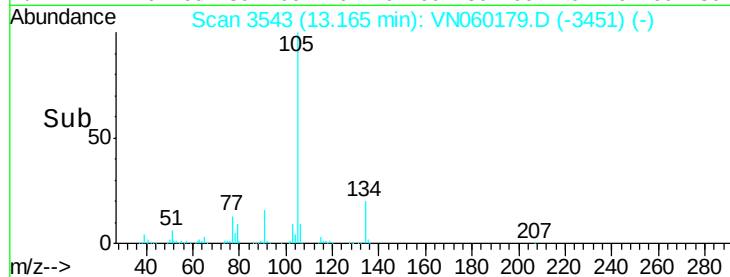
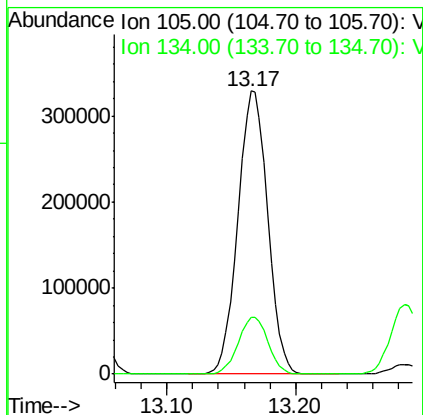
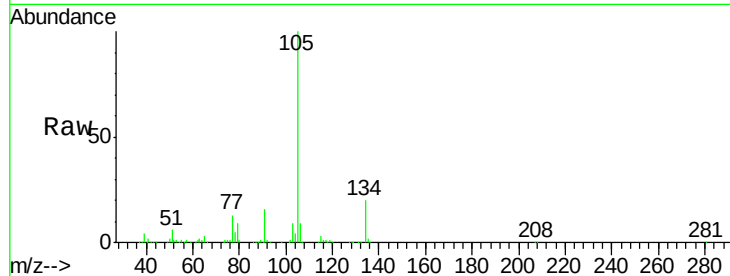
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
105	100	528668		
134	20.1	9.9	29.7	

Manual Integrations
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#86

p-Isopropyltoluene

Concen: 50.990 ug/l

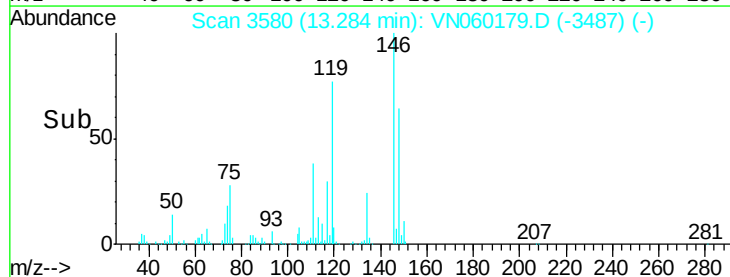
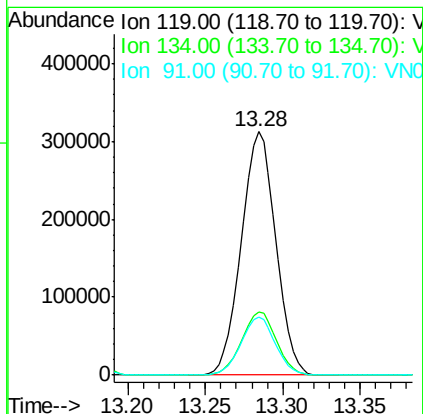
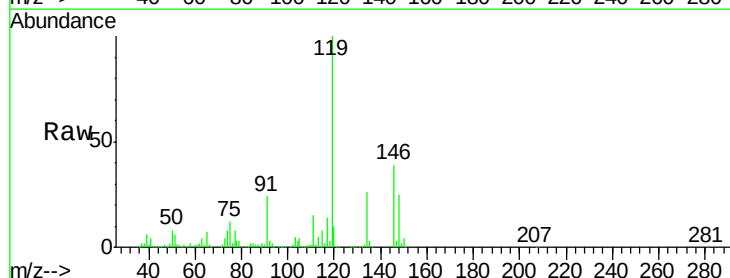
RT: 13.28 min Scan# 3580

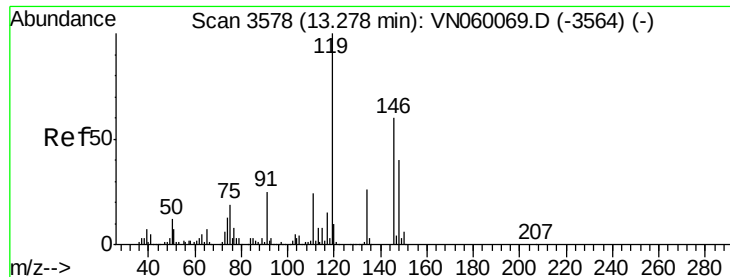
Delta R.T. 0.00 min

Lab File: VN060179.D

Acq: 21 Feb 2020 10:20

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	484440		
134	26.2	13.3	39.8	
91	23.9	11.9	35.9	





#87

1,3-Dichlorobenzene

Concen: 51.474 ug/l

RT: 13.28 min Scan# 3578

Delta R.T. 0.00 min

Lab File: VN060179.D

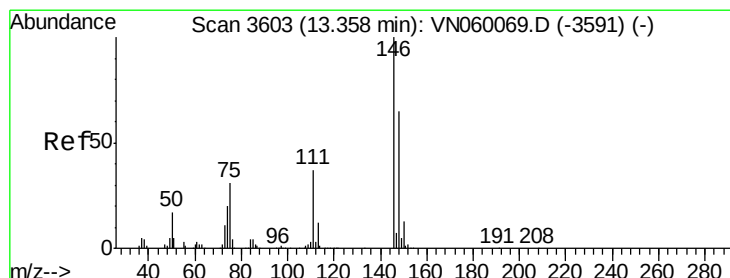
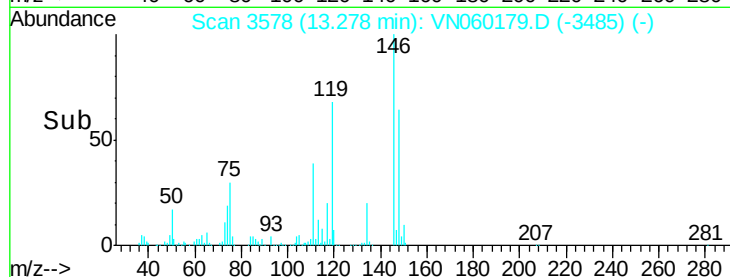
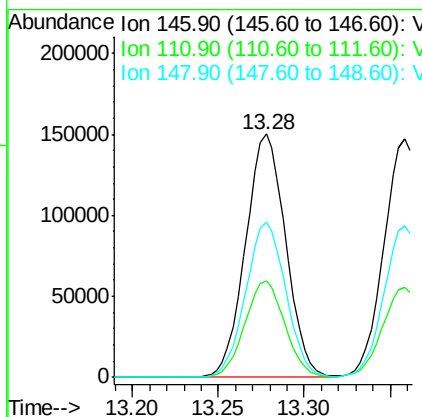
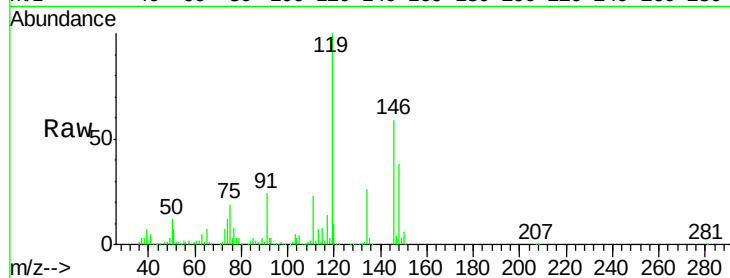
Acq: 21 Feb 2020 10:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.3	19.8	59.3
148	63.6	32.0	96.2

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 50.908 ug/l

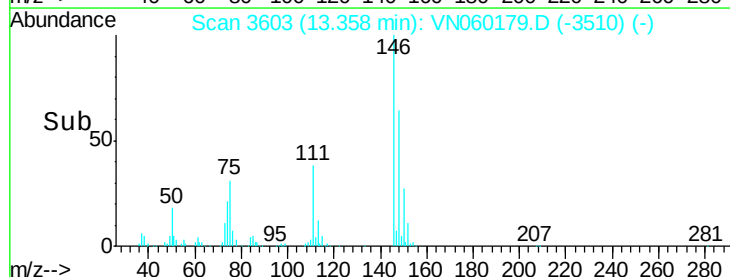
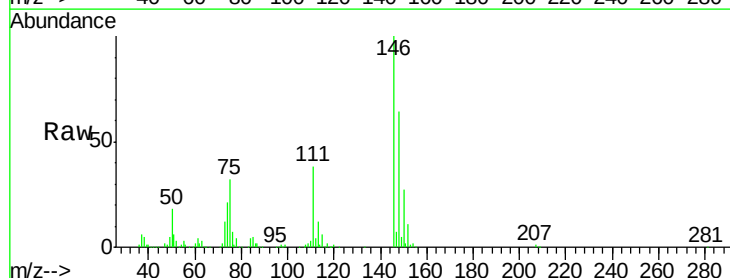
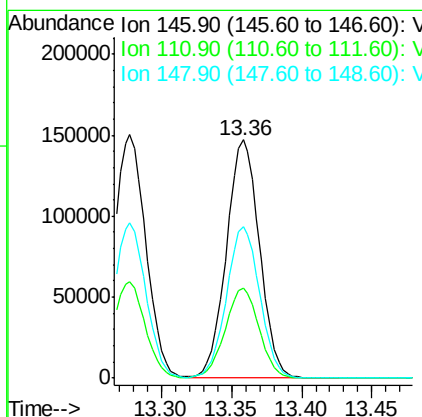
RT: 13.36 min Scan# 3603

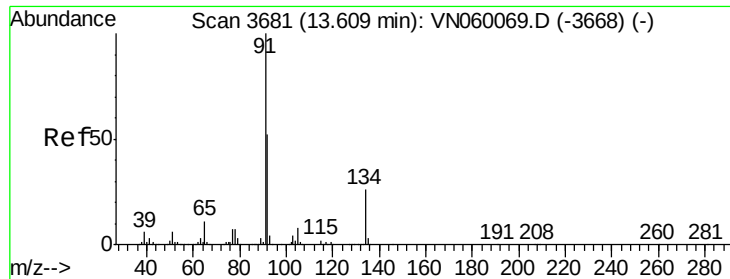
Delta R.T. 0.00 min

Lab File: VN060179.D

Acq: 21 Feb 2020 10:20

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.5	18.9	56.5
148	64.2	32.0	96.0





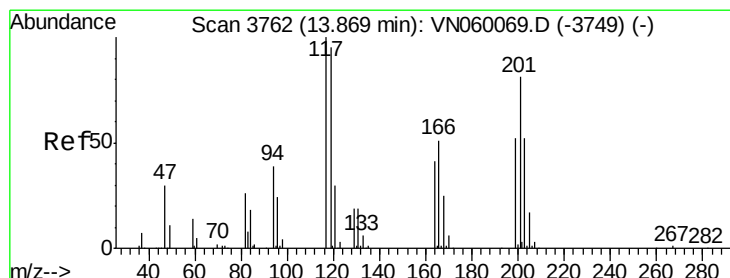
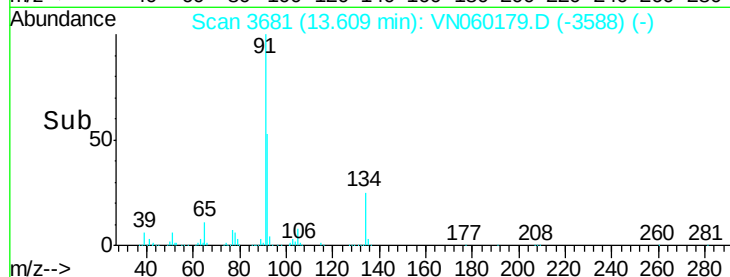
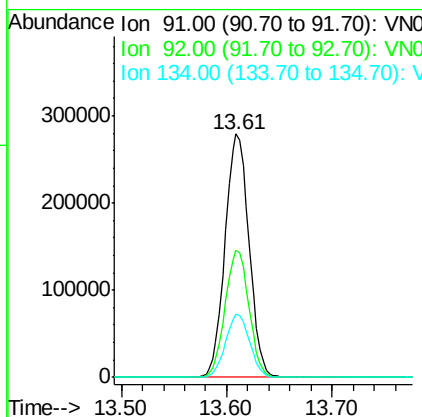
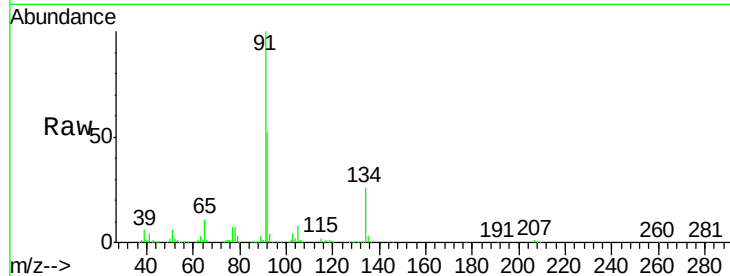
#89
n-Butylbenzene
Concen: 52.368 ug/l
RT: 13.61 min Scan# 3681
Delta R.T. 0.00 min
Lab File: VN060179.D
Acq: 21 Feb 2020 10:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.3	26.1	78.2
134	26.0	13.1	39.3

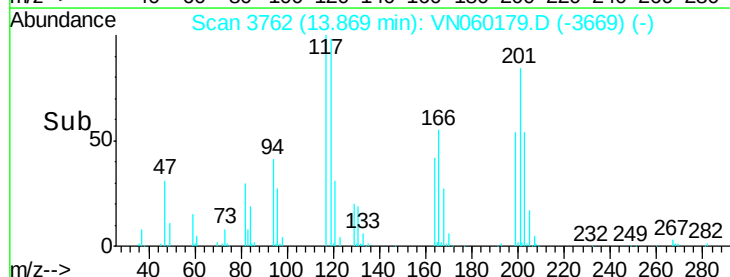
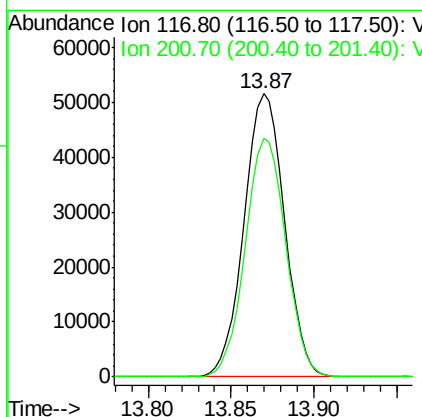
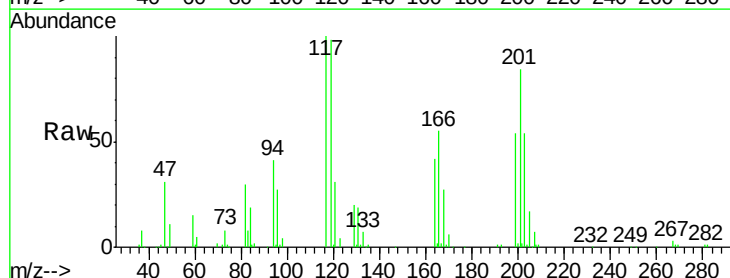
Manual Integrations
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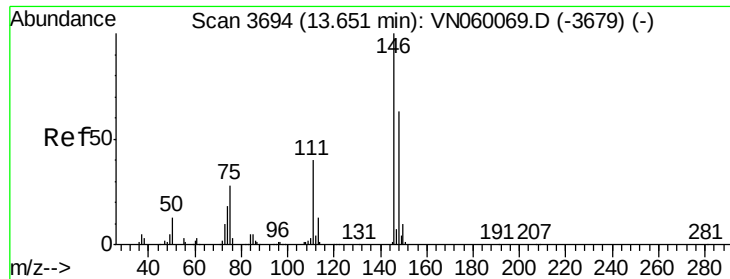
MMDadoda
2/24/2020 11:41:02 AM



#90
Hexachloroethane
Concen: 49.269 ug/l
RT: 13.87 min Scan# 3762
Delta R.T. 0.00 min
Lab File: VN060179.D
Acq: 21 Feb 2020 10:20

Tgt Ion	Ratio	Lower	Upper
117	100		
201	84.4	41.7	125.1





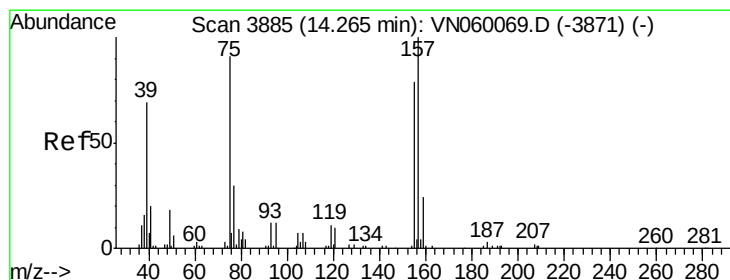
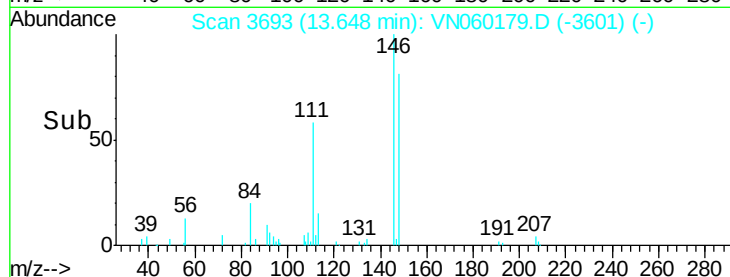
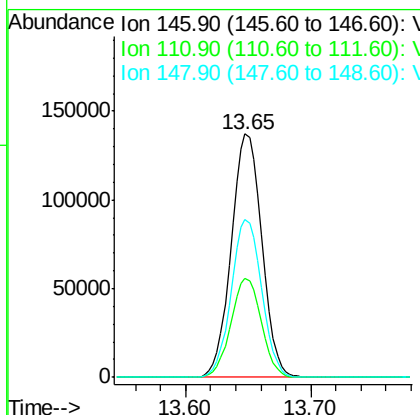
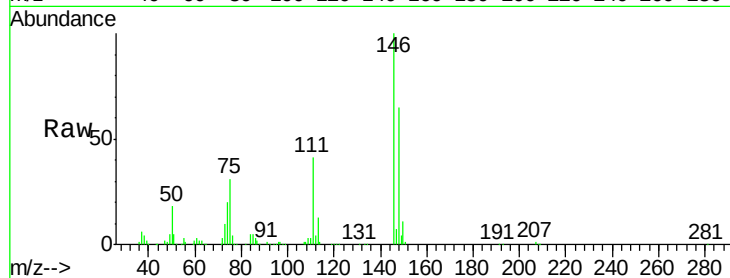
#91
 1,2-Dichlorobenzene
 Concen: 50.284 ug/l
 RT: 13.65 min Scan# 3693
 Delta R.T. -0.00 min
 Lab File: VN060179.D
 Acq: 21 Feb 2020 10:20

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	232712		
111	40.3		20.1	60.2
148	64.5		31.9	95.5

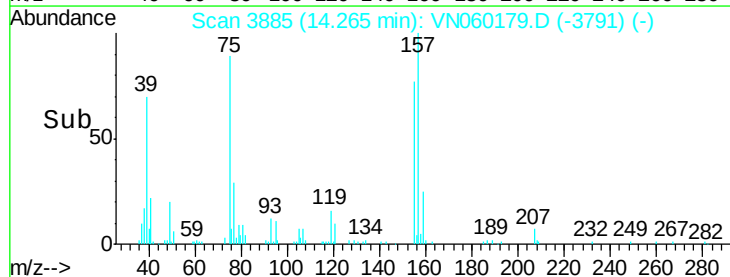
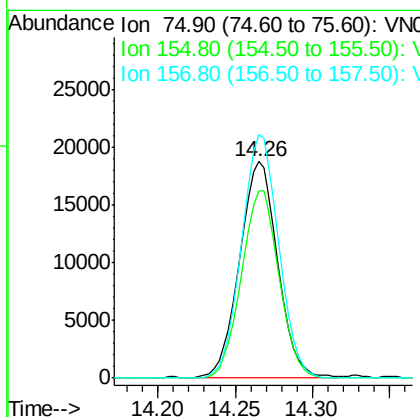
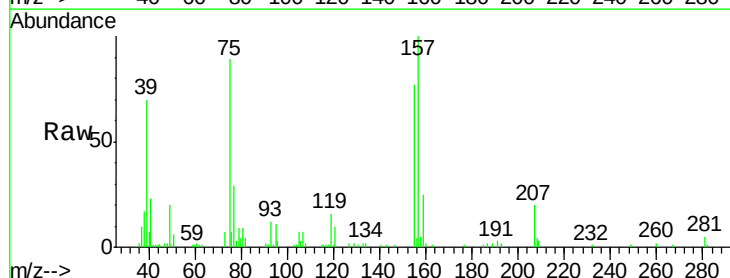
Manual Integrations
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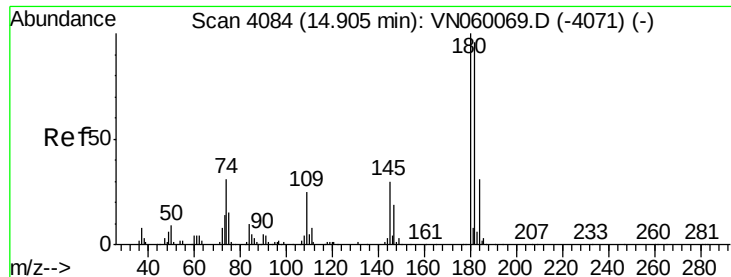
MMDadoda
 2/24/2020 11:41:02 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 48.947 ug/l
 RT: 14.26 min Scan# 3885
 Delta R.T. 0.00 min
 Lab File: VN060179.D
 Acq: 21 Feb 2020 10:20

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	32259		
155	84.8		43.0	129.0
157	109.2		54.9	164.5





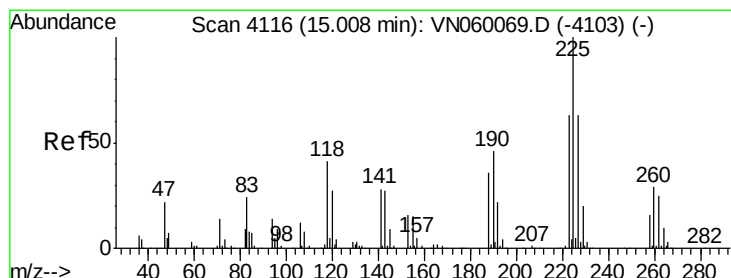
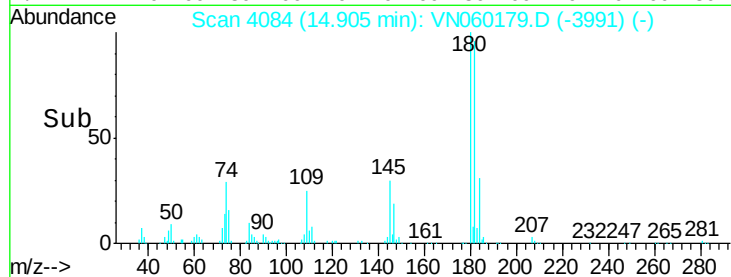
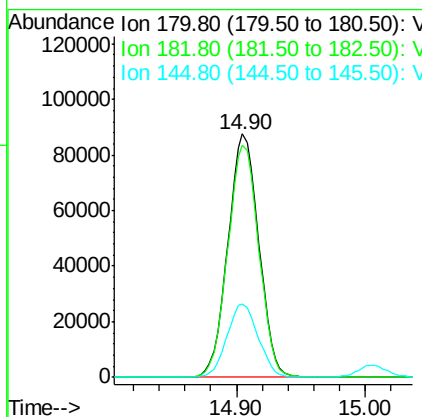
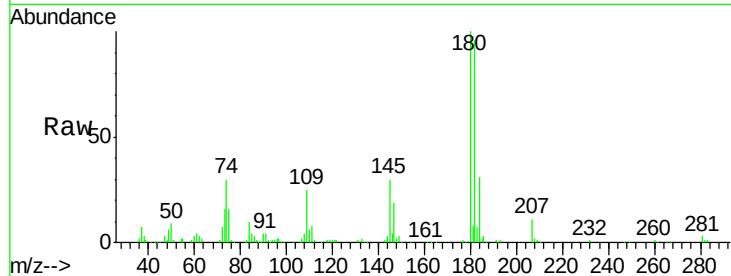
#93
 1,2,4-Trichlorobenzene
 Concen: 53.393 ug/l
 RT: 14.90 min Scan# 4084
 Delta R.T. 0.00 min
 Lab File: VN060179.D
 Acq: 21 Feb 2020 10:20

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	145189		
182	96.2	47.9	143.8	
145	30.7	15.2	45.5	

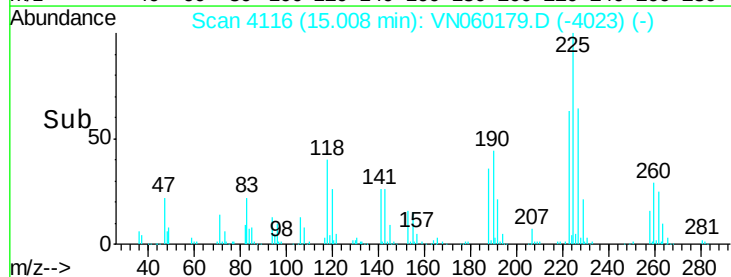
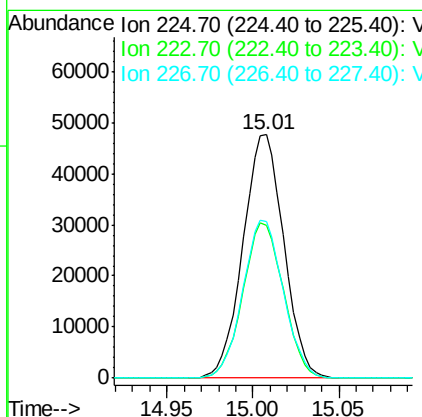
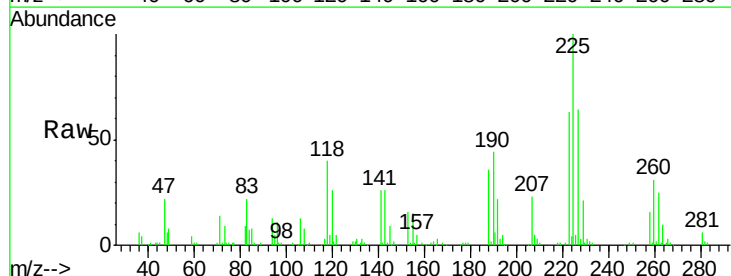
Manual Integrations
 APPROVED

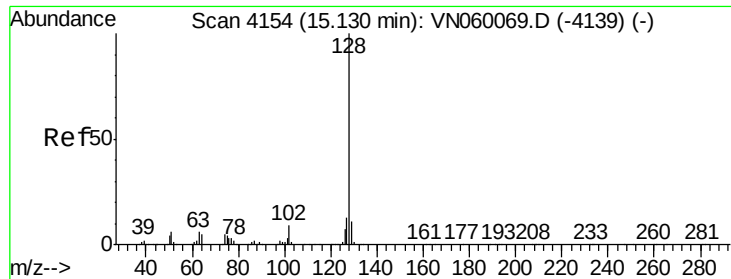
MMDadoda
 2/24/2020 11:41:02 AM



#94
 Hexachlorobutadiene
 Concen: 49.297 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN060179.D
 Acq: 21 Feb 2020 10:20

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	78477		
223	63.2	31.5	94.5	
227	64.4	31.8	95.4	





#95

Naphthalene

Concen: 50.098 ug/l

RT: 15.13 min Scan# 4153

Delta R.T. -0.00 min

Lab File: VN060179.D

Acq: 21 Feb 2020 10:20

Instrument :

MSVOA_N

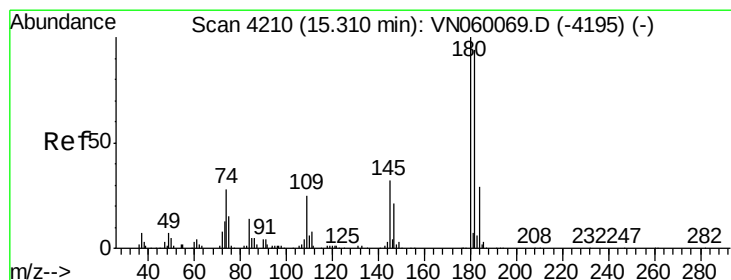
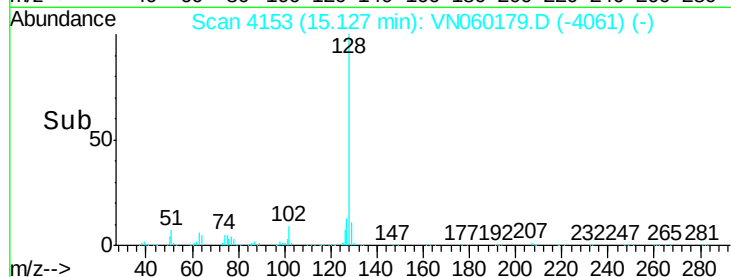
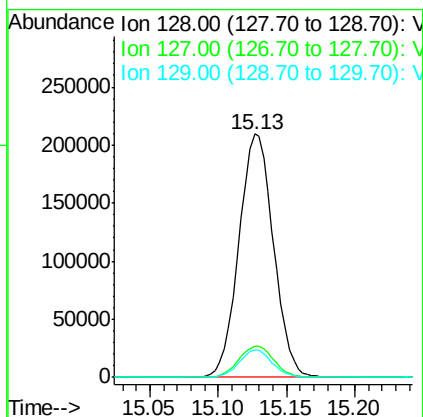
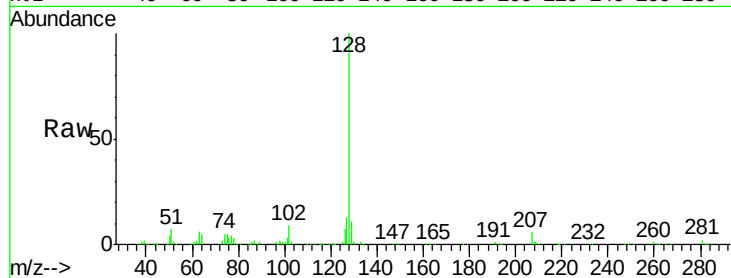
ClientSampleId :

VSTDCCC050

Tot Ion:	128	Resp:	367996
Ion Ratio	Lower	Upper	
128	100		
127	12.9	10.3	15.5
129	10.8	8.6	13.0

Manual Integrations
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#96

1,2,3-Trichlorobenzene

Concen: 50.792 ug/l

RT: 15.31 min Scan# 4210

Delta R.T. 0.00 min

Lab File: VN060179.D

Acq: 21 Feb 2020 10:20

Tgt Ion:	180	Resp:	137544
Ion Ratio	Lower	Upper	
180	100		
182	95.1	47.5	142.5
145	31.9	16.1	48.3

