

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031220\
 Data File : VN060464.D
 Acq On : 12 Mar 2020 8:56
 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
 3/16/2020 11:49:37 AM

Quant Time: Mar 13 02:12:07 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N022720W.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 27 13:52:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	200292	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	324061	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	302373	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	148183	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	127828	49.74	ug/l	0.00
Spiked Amount			Recovery	=	99.48%	
35) Dibromofluoromethane	7.56	113	97637	64.91	ug/l	0.00
Spiked Amount			Recovery	=	129.82%	
50) Toluene-d8	10.08	98	383815	50.42	ug/l	0.00
Spiked Amount			Recovery	=	100.84%	
62) 4-Bromofluorobenzene	12.39	95	148594	51.49	ug/l	0.00
Spiked Amount			Recovery	=	102.98%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	79020	43.031	ug/l	99
3) Chloromethane	2.03	50	140822	44.046	ug/l	100
4) Vinyl Chloride	2.16	62	115364	42.074	ug/l	100
5) Bromomethane	2.54	94	49034	44.146	ug/l	99
6) Chloroethane	2.68	64	67127	45.185	ug/l	97
7) Trichlorofluoromethane	3.00	101	159447	45.514	ug/l	100
8) Diethyl Ether	3.38	74	63008	47.636	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.73	101	95839	48.339	ug/l	99
10) Methyl Iodide	3.93	142	68460	37.835	ug/l	100
11) Tert butyl alcohol	4.72	59	88090	230.857	ug/l	100
12) 1,1-Dichloroethene	3.71	96	91284	47.435	ug/l	99
13) Acrolein	3.57	56	87585	246.040	ug/l	99
14) Allyl chloride	4.29	41	161710	45.579	ug/l	93
15) Acrylonitrile	4.94	53	264523	263.006	ug/l	99
16) Acetone	3.78	43	237176	285.803	ug/l	98
17) Carbon Disulfide	4.03	76	222010	43.383	ug/l	100
18) Methyl Acetate	4.28	43	138446	49.992	ug/l	99
19) Methyl tert-butyl Ether	5.00	73	349438	50.017	ug/l	97
20) Methylene Chloride	4.52	84	108162	47.459	ug/l	98
21) trans-1,2-Dichloroethene	5.00	96	99125	47.929	ug/l	95
22) Diisopropyl ether	5.91	45	381936	53.145	ug/l	99
23) Vinyl Acetate	5.85	43	1505738	263.669	ug/l	99
24) 1,1-Dichloroethane	5.81	63	207304	50.959	ug/l	100
25) 2-Butanone	6.79	43	386468	288.319	ug/l	100
26) 2,2-Dichloropropane	6.79	77	186475	50.351	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	122118	46.210	ug/l	97
28) Bromochloromethane	7.17	49	86728	51.924	ug/l	95
29) Tetrahydrofuran	7.18	42	236710	253.954	ug/l	98
30) Chloroform	7.34	83	208818	51.564	ug/l	99
31) Cyclohexane	7.63	56	173899	50.095	ug/l	98
32) 1,1,1-Trichloroethane	7.54	97	177381	49.436	ug/l	100
36) 1,1-Dichloropropene	7.77	75	147667	47.812	ug/l	99
37) Ethyl Acetate	6.89	43	149950	51.276	ug/l	99
38) Carbon Tetrachloride	7.75	117	144934	48.199	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	170700	46.877	ug/l	98
40) Benzene	8.02	78	454687	50.582	ug/l	99
41) Methacrylonitrile	7.14	41	69874	51.747	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	164472	50.703	ug/l	100
43) Isopropyl Acetate	8.14	43	269747	52.689	ug/l	99
44) Trichloroethene	8.81	130	119424	47.702	ug/l	99
45) 1,2-Dichloropropane	9.10	63	126873	53.983	ug/l	97
46) Dibromomethane	9.19	93	77199	50.623	ug/l	99
47) Bromodichloromethane	9.38	83	166887	53.807	ug/l	100
48) Methyl methacrylate	9.18	41	119130	51.028	ug/l	99
49) 1,4-Dioxane	9.18	88	30761	936.947	ug/l	97
51) 4-Methyl-2-Pentanone	9.97	43	781458	269.214	ug/l	100
52) Toluene	10.14	92	282482	50.026	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	192731	50.713	ug/l	99
54) cis-1,3-Dichloropropene	9.82	75	201644	51.204	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	114687	50.506	ug/l	98
56) Ethyl methacrylate	10.42	69	176543	54.116	ug/l	98
57) 1,3-Dichloropropane	10.70	76	197367	53.297	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.68	63	461965	270.756	ug/l	98
59) 2-Hexanone	10.74	43	605041	283.888	ug/l	100
60) Dibromochloromethane	10.89	129	125095	54.171	ug/l	98
61) 1,2-Dibromoethane	10.99	107	114362	51.663	ug/l	97
64) Tetrachloroethene	10.62	164	120381	50.581	ug/l	99
65) Chlorobenzene	11.42	112	300052	49.143	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.50	131	114566	50.748	ug/l	99
67) Ethyl Benzene	11.50	91	558033	50.187	ug/l	100
68) m/p-Xylenes	11.61	106	412031	98.218	ug/l	99
69) o-Xylene	11.94	106	198339	49.580	ug/l	98
70) Styrene	11.96	104	337113	51.255	ug/l	100
71) Bromoform	12.12	173	87885	54.016	ug/l #	98
73) Isopropylbenzene	12.24	105	543392	49.475	ug/l	99
74) N-amyl acetate	12.06	43	243645	50.766	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	159110	53.294	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	158087m	48.625	ug/l	
77) Bromobenzene	12.52	156	130751	48.566	ug/l	96
78) n-propylbenzene	12.58	91	643415	49.977	ug/l	100
79) 2-Chlorotoluene	12.67	91	373130	49.305	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	461435	49.899	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.29	75	62458	53.032	ug/l #	84
82) 4-Chlorotoluene	12.77	91	397612	49.868	ug/l	98
83) tert-Butylbenzene	12.99	119	392580	49.034	ug/l	99
84) 1,2,4-Trimethylbenzene	13.03	105	464537	49.770	ug/l	99
85) sec-Butylbenzene	13.17	105	532607	49.677	ug/l	99
86) p-Isopropyltoluene	13.28	119	482559	48.629	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	239798	51.843	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	238045	51.762	ug/l	99
89) n-Butylbenzene	13.61	91	447196	49.092	ug/l	99
90) Hexachloroethane	13.87	117	70324	48.960	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	228208	48.375	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.26	75	32095	47.472	ug/l	98

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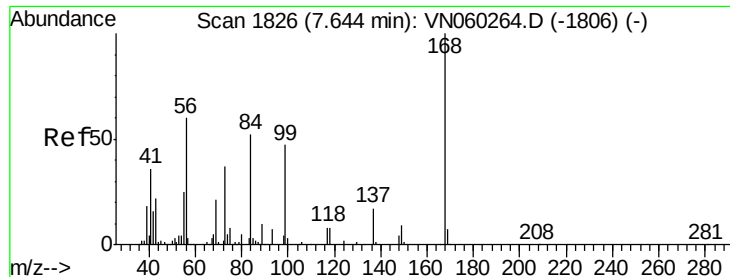
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	145230	48.452	ug/l	100
94) Hexachlorobutadiene	15.01	225	72113	52.361	ug/l	99
95) Naphthalene	15.13	128	408628	46.261	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	135844	48.113	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN060464.D

Acq: 12 Mar 2020 8:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 200292

Ion Ratio Lower Upper

168 100

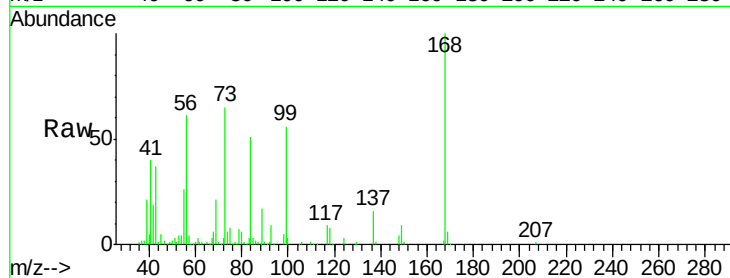
99 56.4 44.7 67.1

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.64

80000

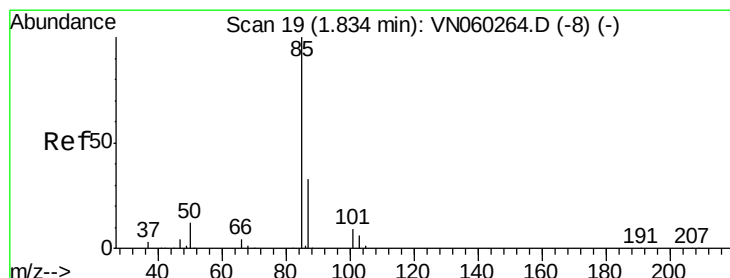
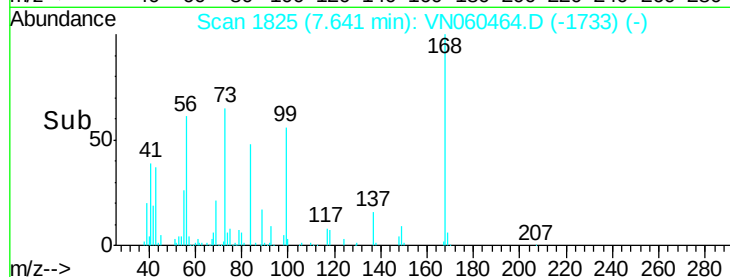
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 43.031 ug/l

RT: 1.83 min Scan# 18

Delta R.T. -0.00 min

Lab File: VN060464.D

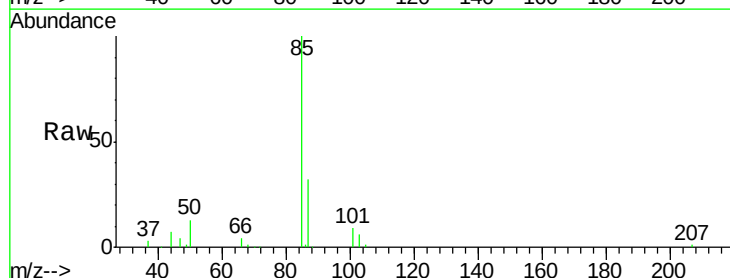
Acq: 12 Mar 2020 8:56

Tgt Ion: 85 Resp: 79020

Ion Ratio Lower Upper

85 100

87 32.0 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

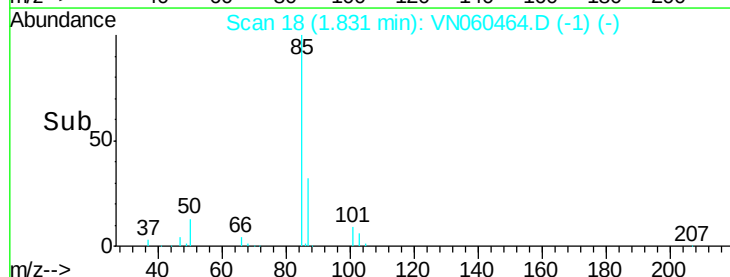
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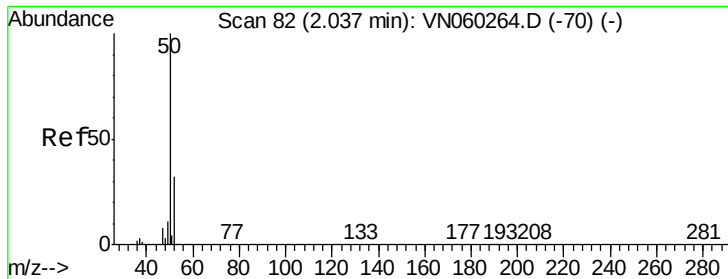
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20000

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Time-->





#3

Chloromethane

Concen: 44.046 ug/l

RT: 2.03 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN060464.D

Acq: 12 Mar 2020 8:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 140822

Ion Ratio Lower Upper

50 100

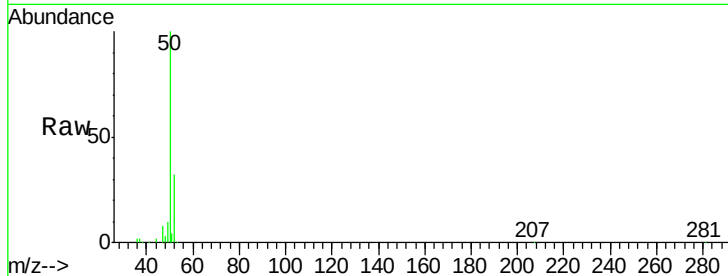
52 31.9 25.6 38.4

Manual Integrations

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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0

2.03

120000

100000

80000

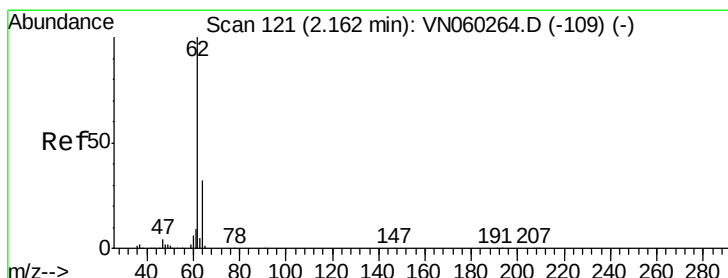
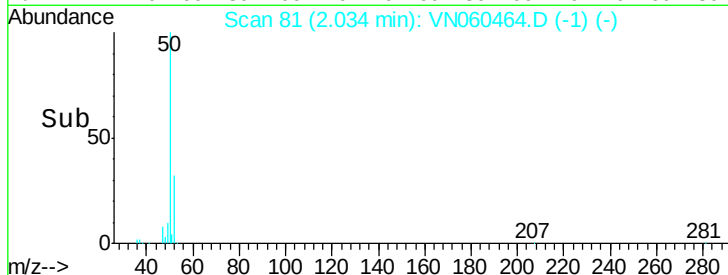
60000

40000

20000

0

Time-->



#4

Vinyl Chloride

Concen: 42.074 ug/l

RT: 2.16 min Scan# 121

Delta R.T. 0.00 min

Lab File: VN060464.D

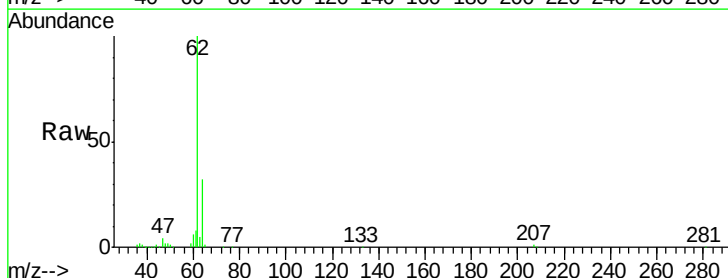
Acq: 12 Mar 2020 8:56

Tgt Ion: 62 Resp: 115364

Ion Ratio Lower Upper

62 100

64 31.9 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0

2.16

80000

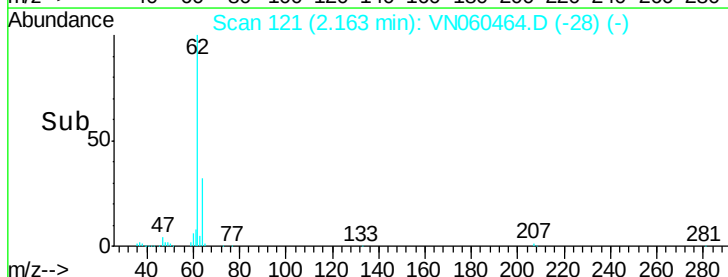
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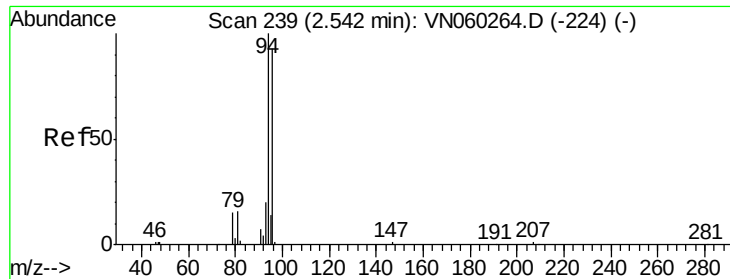
40000

20000

0

Time-->





#5

Bromomethane

Concen: 44.146 ug/l

RT: 2.54 min Scan# 238

Delta R.T. -0.00 min

Lab File: VN060464.D

Acq: 12 Mar 2020 8:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 49034

Ion Ratio Lower Upper

94 100

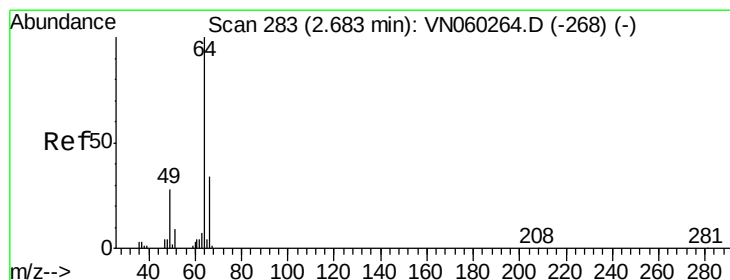
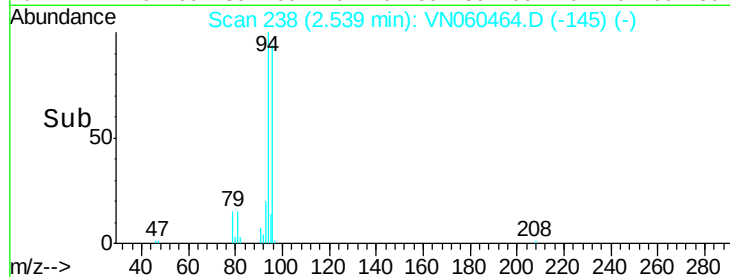
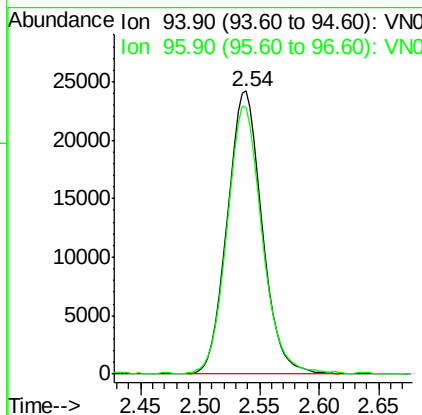
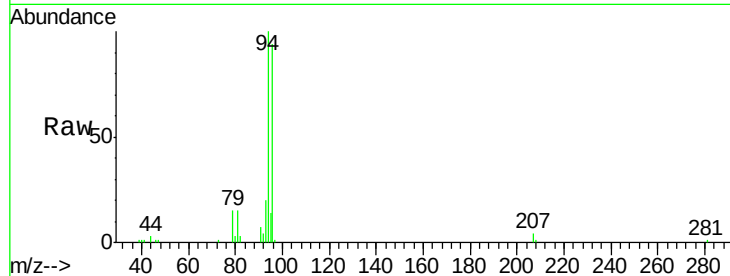
96 93.7 74.3 111.5

Manual Integrations

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#6

Chloroethane

Concen: 45.185 ug/l

RT: 2.68 min Scan# 282

Delta R.T. -0.00 min

Lab File: VN060464.D

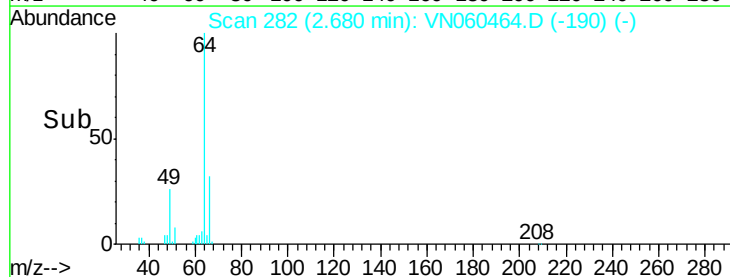
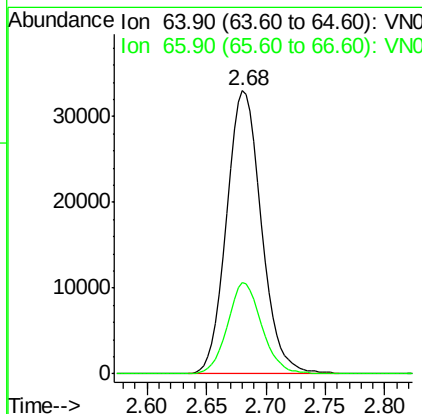
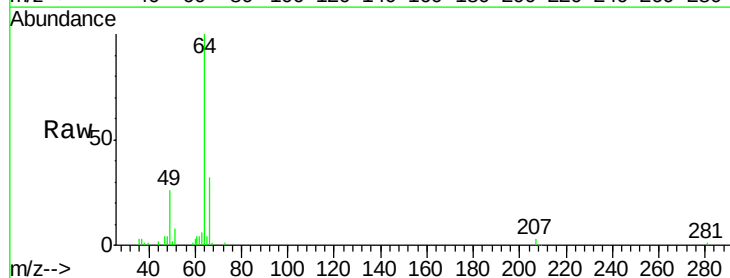
Acq: 12 Mar 2020 8:56

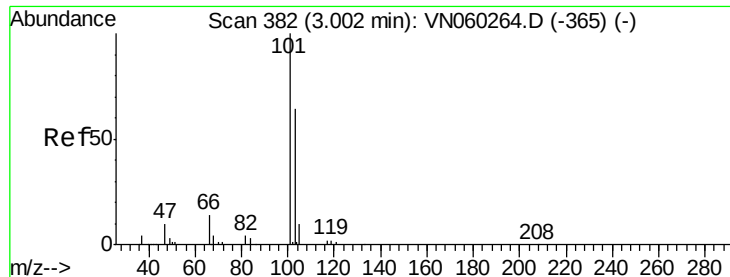
Tgt Ion: 64 Resp: 67127

Ion Ratio Lower Upper

64 100

66 32.3 27.4 41.2





#7

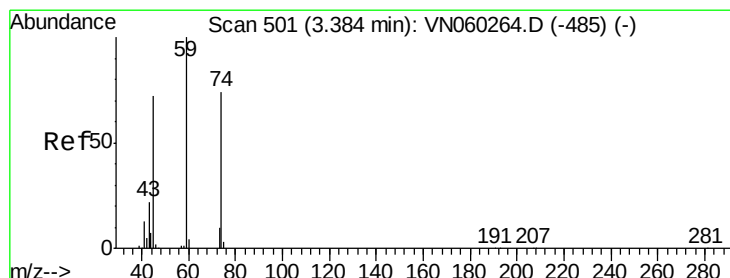
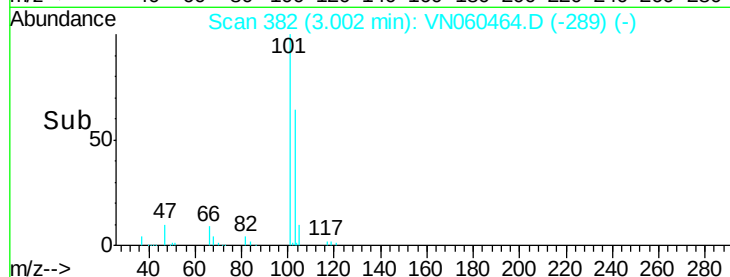
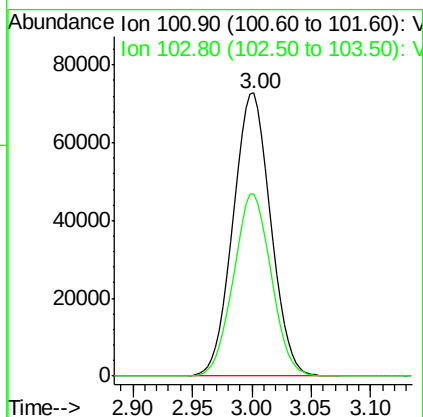
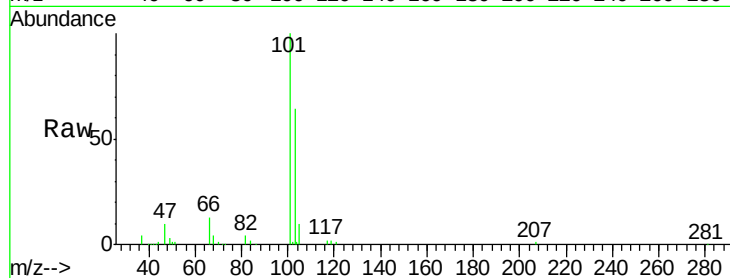
Trichlorofluoromethane
Concen: 45.514 ug/l
RT: 3.00 min Scan# 382
Delta R.T. 0.00 min
Lab File: VN060464.D
Acq: 12 Mar 2020 8:56

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ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.2	51.3	76.9

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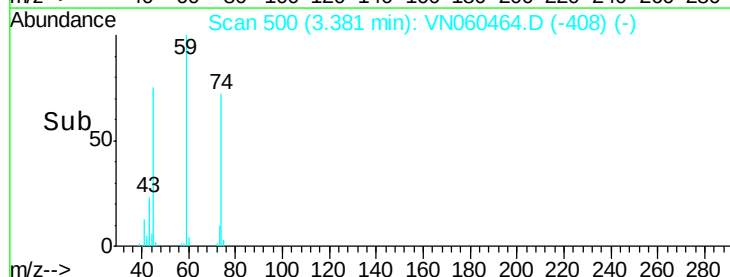
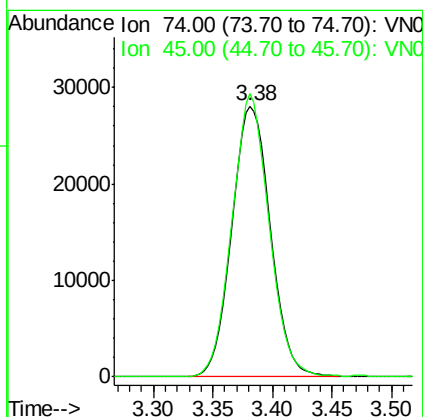
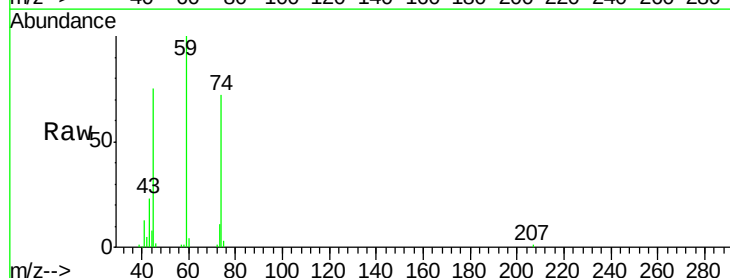
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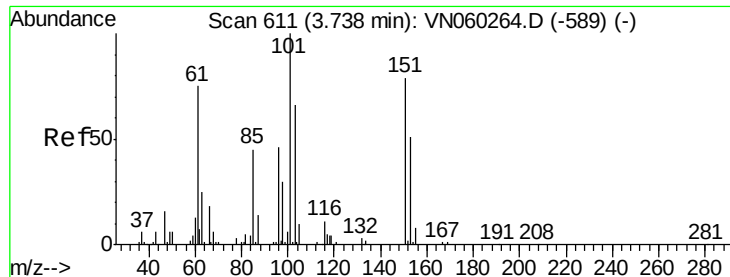


#8

Diethyl Ether
Concen: 47.636 ug/l
RT: 3.38 min Scan# 500
Delta R.T. -0.00 min
Lab File: VN060464.D
Acq: 12 Mar 2020 8:56

Tgt Ion	Ratio	Lower	Upper
74	100		
45	100.8	49.5	148.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.339 ug/l

RT: 3.73 min Scan# 610

Delta R.T. -0.00 min

Lab File: VN060464.D

Acq: 12 Mar 2020 8:56

Instrument :

MSVOA_N

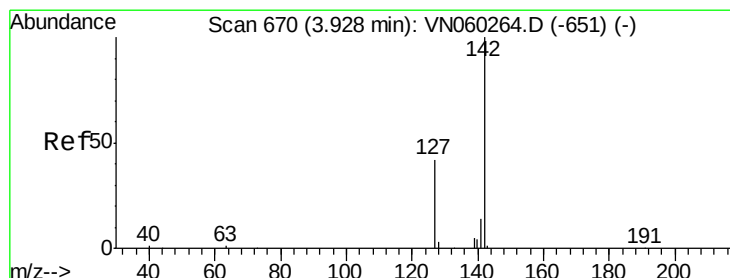
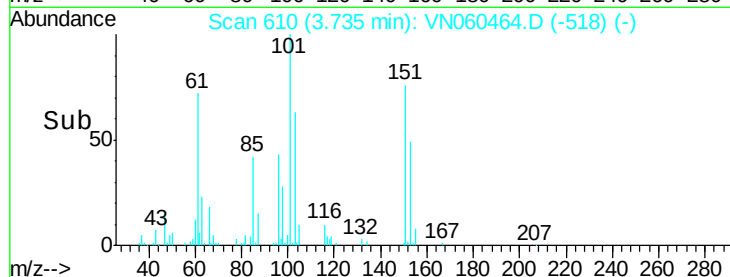
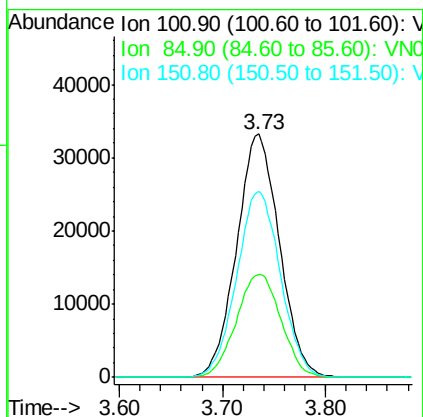
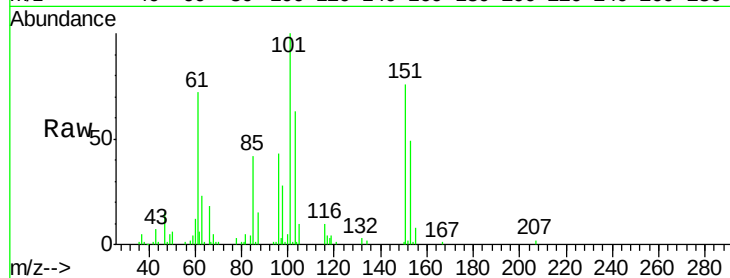
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	95839
Ion Ratio	Lower	Upper	
101	100		
85	44.2	35.4	53.2
151	78.2	62.0	93.0

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#10

Methyl Iodide

Concen: 37.835 ug/l

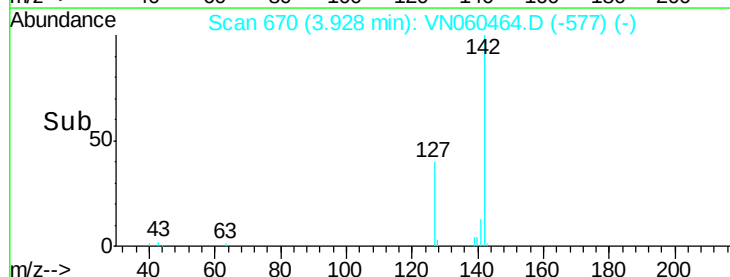
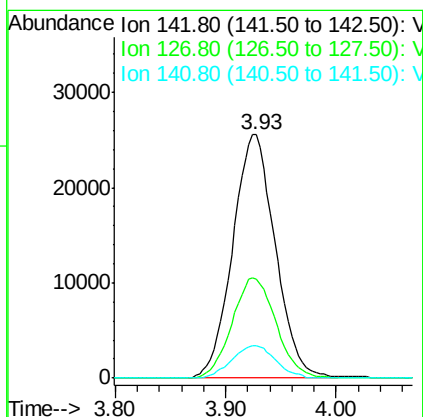
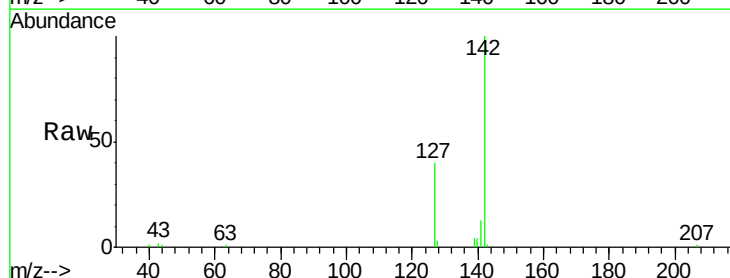
RT: 3.93 min Scan# 670

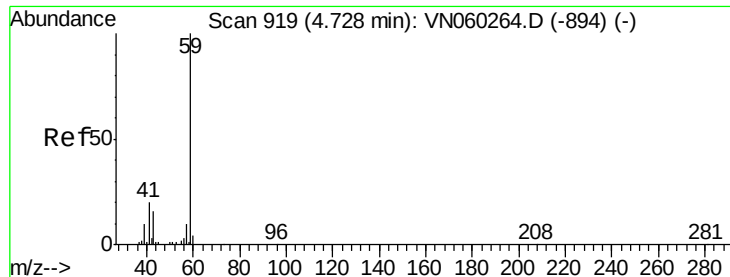
Delta R.T. 0.00 min

Lab File: VN060464.D

Acq: 12 Mar 2020 8:56

Tgt Ion:	142	Resp:	68460
Ion Ratio	Lower	Upper	
142	100		
127	42.3	33.8	50.6
141	13.6	11.1	16.7





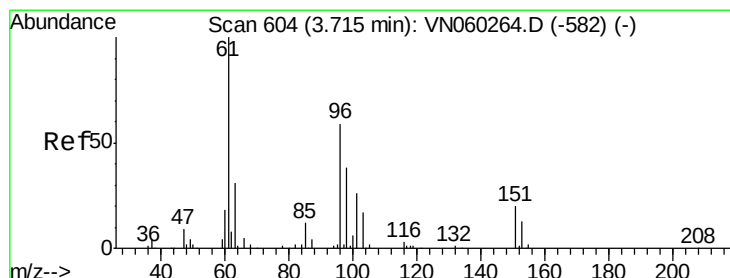
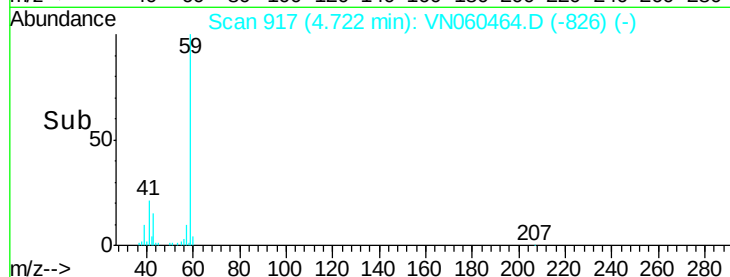
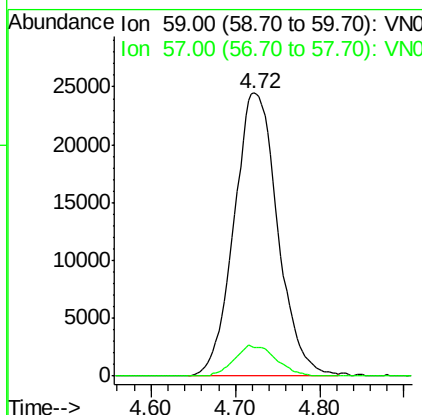
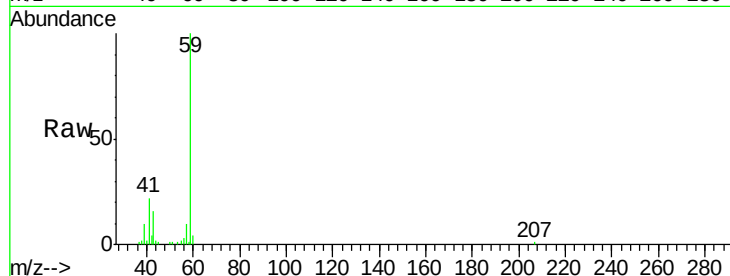
#11
Tert butyl alcohol
Concen: 230.857 ug/l
RT: 4.72 min Scan# 917
Delta R.T. -0.01 min
Lab File: VN060464.D
Acq: 12 Mar 2020 8:56

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.4	8.2	12.2

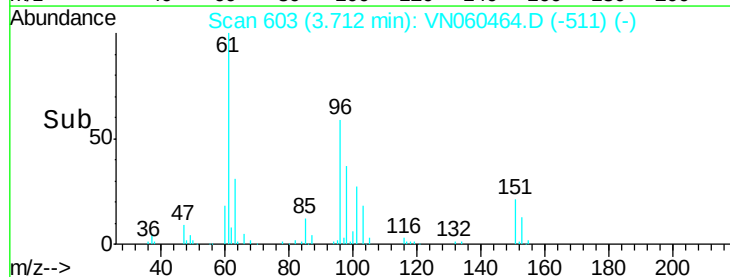
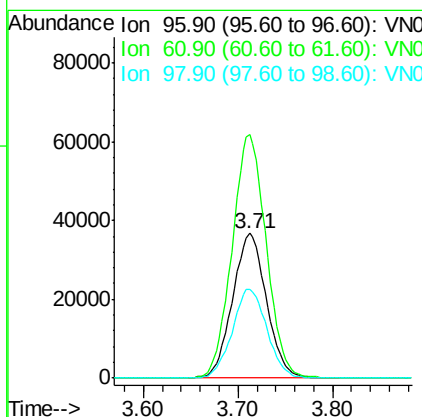
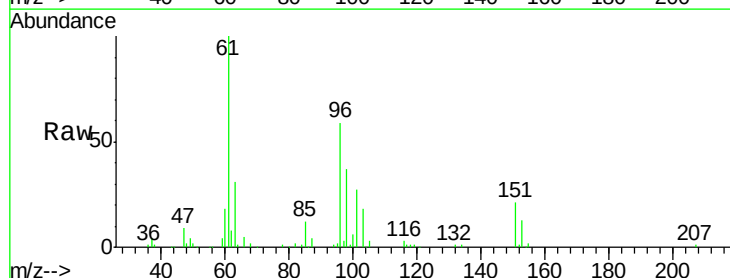
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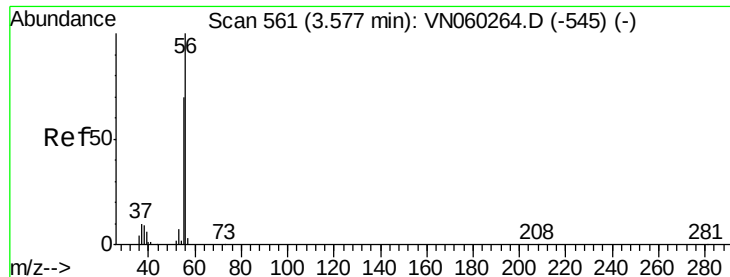
MMDadoda
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#12
1,1-Dichloroethene
Concen: 47.435 ug/l
RT: 3.71 min Scan# 603
Delta R.T. -0.00 min
Lab File: VN060464.D
Acq: 12 Mar 2020 8:56

Tgt Ion	Ratio	Lower	Upper
96	100		
61	168.4	135.4	203.0
98	61.6	51.6	77.4





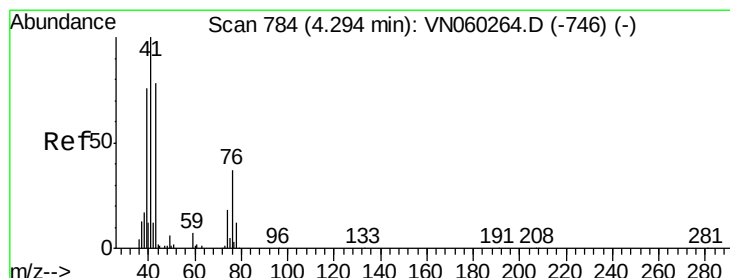
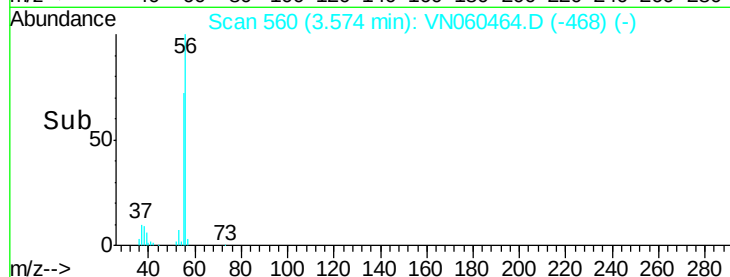
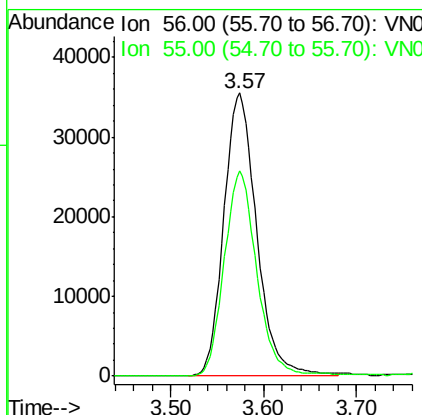
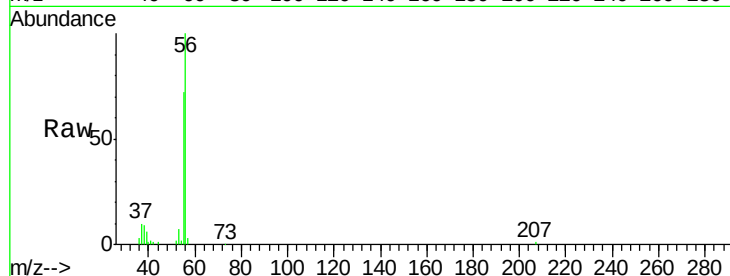
#13
Acrolein
Concen: 246.040 ug/l
RT: 3.57 min Scan# 560
Delta R.T. -0.00 min
Lab File: VN060464.D
Acq: 12 Mar 2020 8:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
55	71.2	57.4	86.0

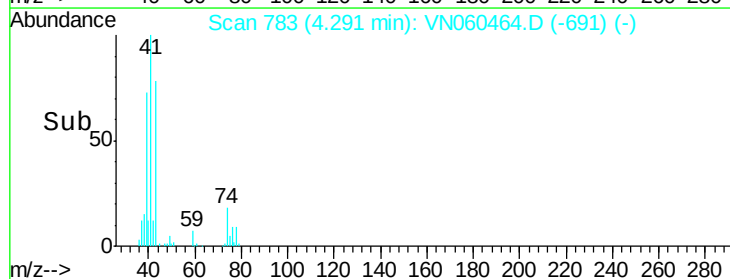
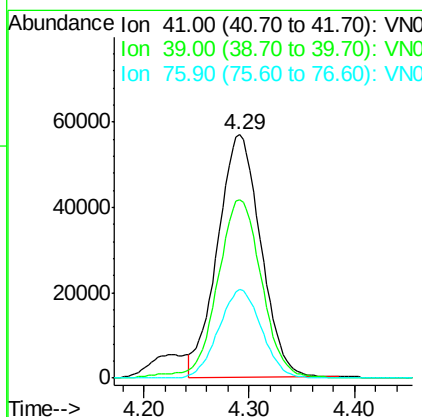
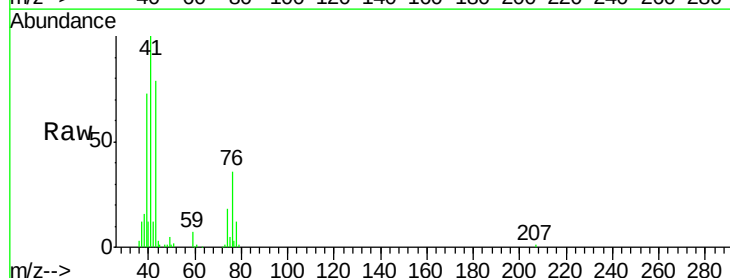
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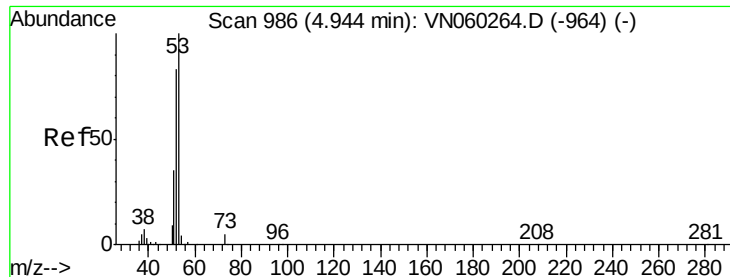
MMDadoda
3/16/2020 11:49:37 AM



#14
Allyl chloride
Concen: 45.579 ug/l
RT: 4.29 min Scan# 783
Delta R.T. -0.00 min
Lab File: VN060464.D
Acq: 12 Mar 2020 8:56

Tgt Ion	Ratio	Lower	Upper
41	100		
39	75.6	55.4	83.2
76	36.3	27.0	40.6





#15

Acrylonitrile

Concen: 263.006 ug/l

RT: 4.94 min Scan# 984

Delta R.T. -0.01 min

Lab File: VN060464.D

Acq: 12 Mar 2020 8:56

Instrument :

MSVOA_N

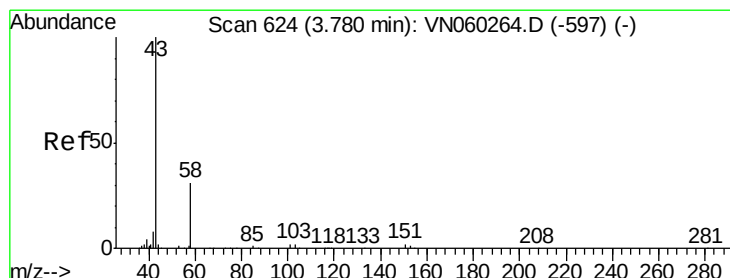
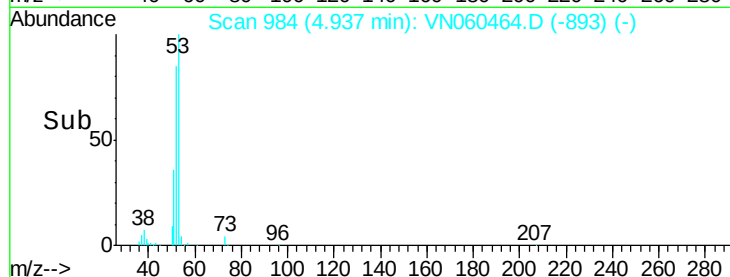
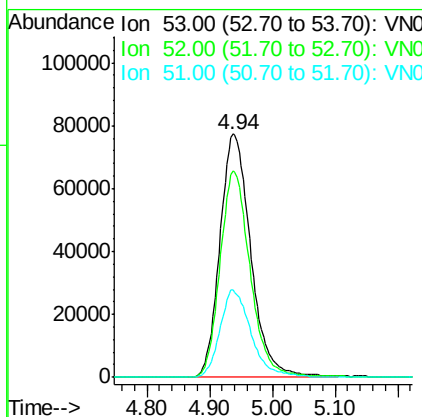
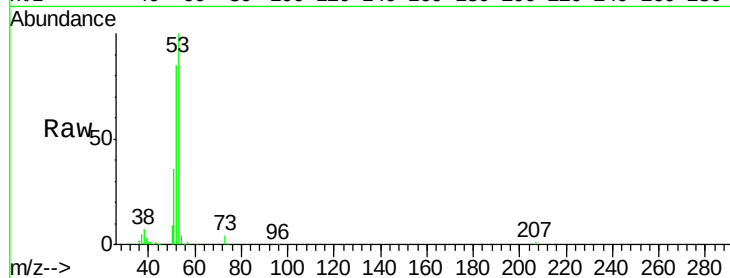
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	264523
Ion	Ratio	Lower	Upper
53	100		
52	82.3	66.8	100.2
51	36.2	29.0	43.6

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#16

Acetone

Concen: 285.803 ug/l

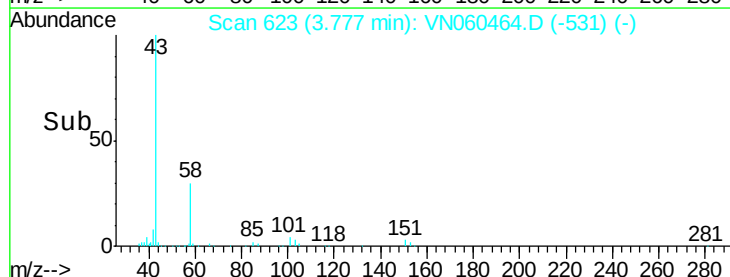
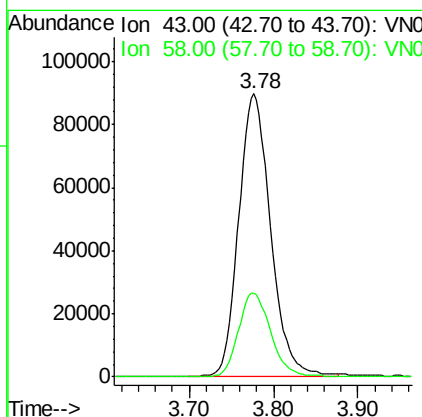
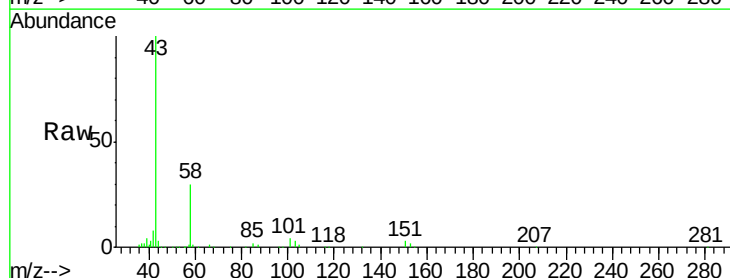
RT: 3.78 min Scan# 623

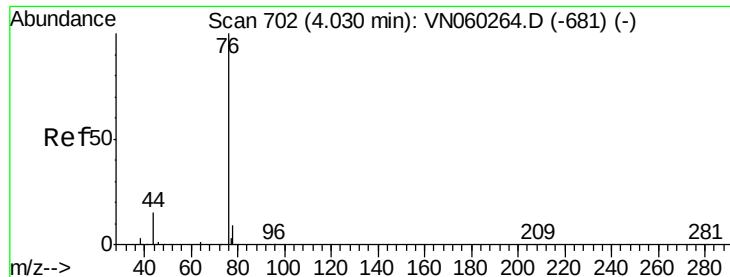
Delta R.T. -0.00 min

Lab File: VN060464.D

Acq: 12 Mar 2020 8:56

Tgt Ion:	43	Resp:	237176
Ion	Ratio	Lower	Upper
43	100		
58	29.7	24.6	36.8





#17

Carbon Disulfide

Concen: 43.383 ug/l

RT: 4.03 min Scan# 701

Delta R.T. -0.00 min

Lab File: VN060464.D

Acq: 12 Mar 2020 8:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 222010

Ion Ratio Lower Upper

76 100

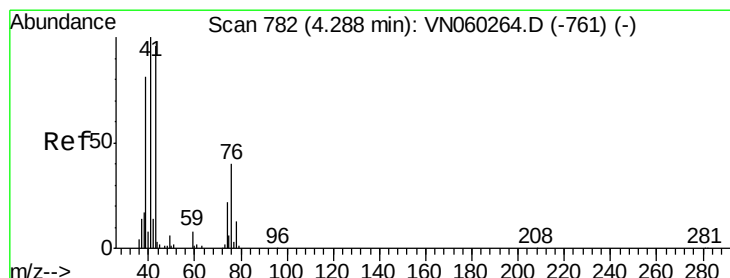
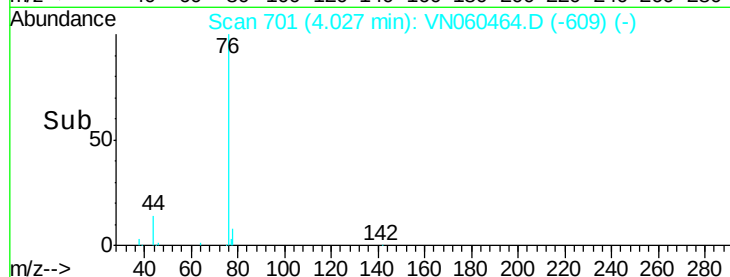
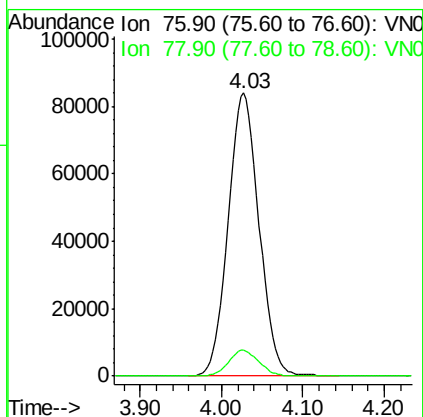
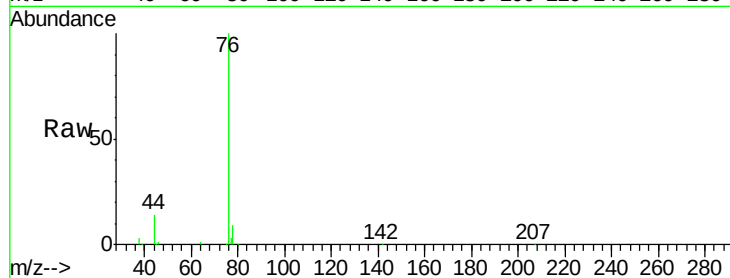
78 9.0 7.4 11.0

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#18

Methyl Acetate

Concen: 49.992 ug/l

RT: 4.28 min Scan# 781

Delta R.T. -0.00 min

Lab File: VN060464.D

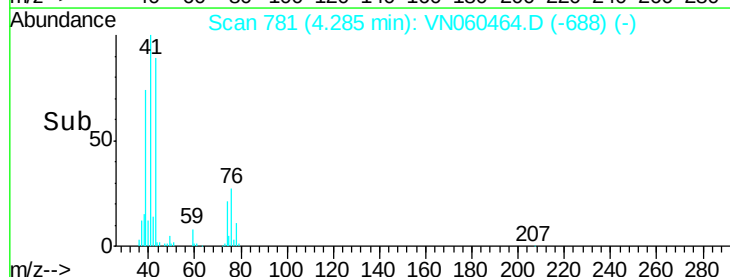
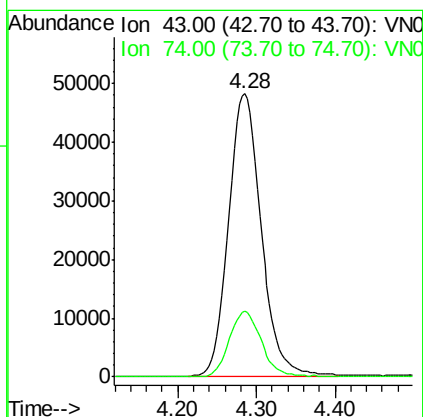
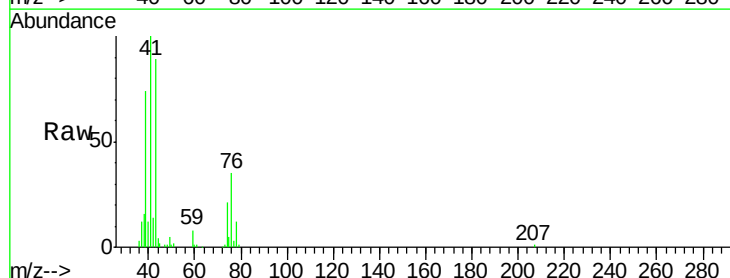
Acq: 12 Mar 2020 8:56

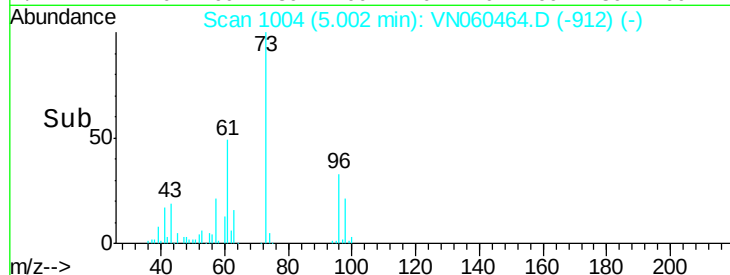
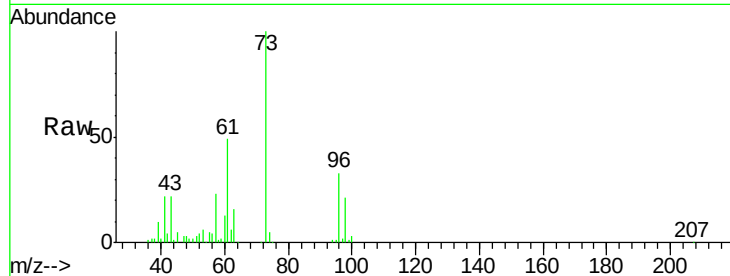
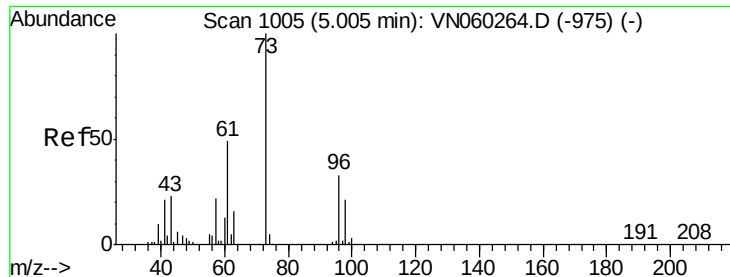
Tgt Ion: 43 Resp: 138446

Ion Ratio Lower Upper

43 100

74 23.0 18.8 28.2





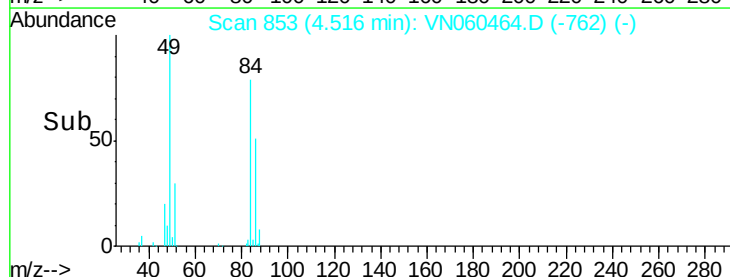
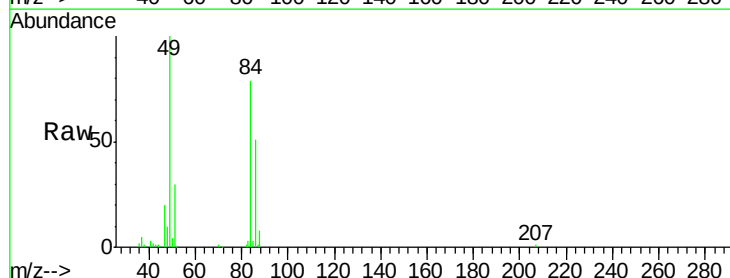
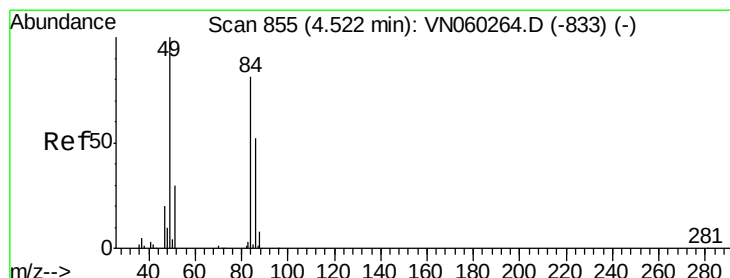
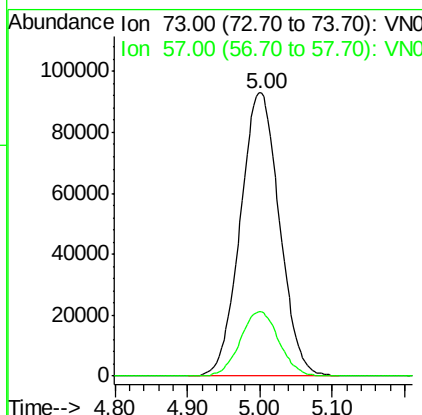
#19
Methyl tert-butyl Ether
Concen: 50.017 ug/l
RT: 5.00 min Scan# 1004
Delta R.T. -0.00 min
Lab File: VN060464.D
Acq: 12 Mar 2020 8:56

Tot Ion: 73 Resp: 349438
Ion Ratio Lower Upper
73 100
57 22.9 17.3 25.9

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

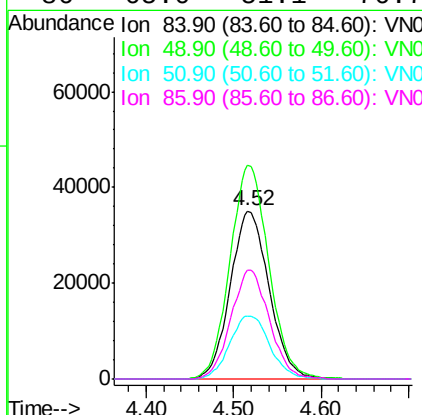
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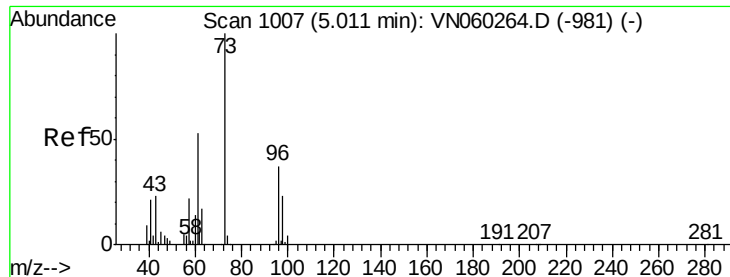
MMDadoda
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#20
Methylene Chloride
Concen: 47.459 ug/l
RT: 4.52 min Scan# 853
Delta R.T. -0.01 min
Lab File: VN060464.D
Acq: 12 Mar 2020 8:56

Tgt Ion: 84 Resp: 108162
Ion Ratio Lower Upper
84 100
49 127.1 99.3 148.9
51 37.7 30.1 45.1
86 65.0 51.1 76.7





#21

trans-1,2-Dichloroethene

Concen: 47.929 ug/l

RT: 5.00 min Scan# 1005

Delta R.T. -0.01 min

Lab File: VN060464.D

Acq: 12 Mar 2020 8:56

Instrument :

MSVOA_N

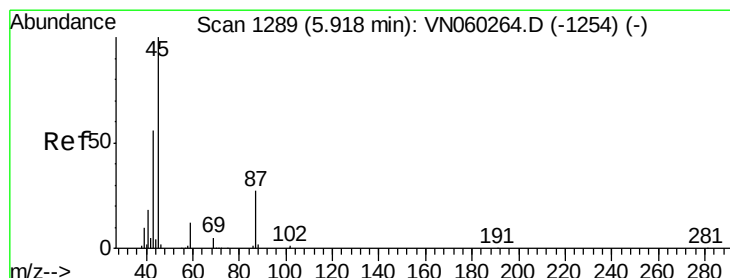
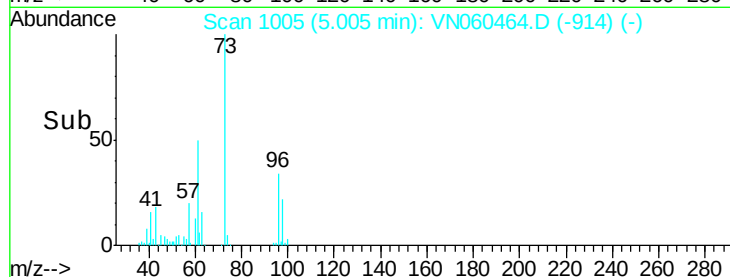
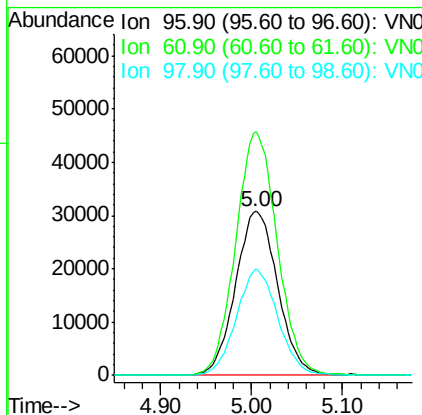
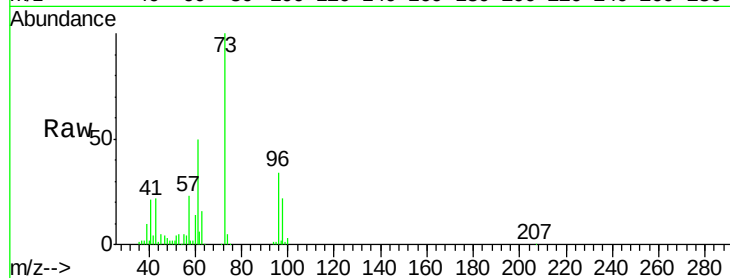
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	99125
Ion	Ratio	Lower	Upper
96	100		
61	148.3	113.8	170.8
98	64.8	48.8	73.2

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#22

Diisopropyl ether

Concen: 53.145 ug/l

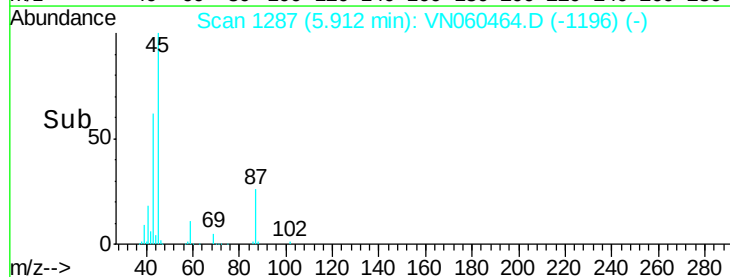
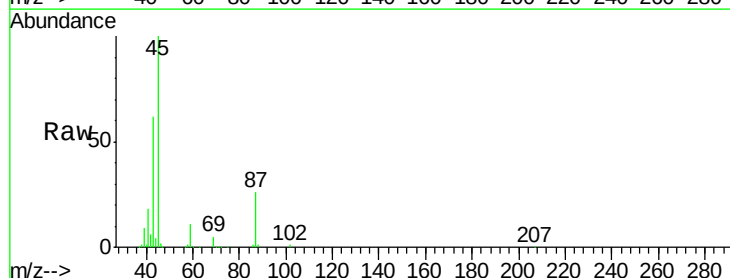
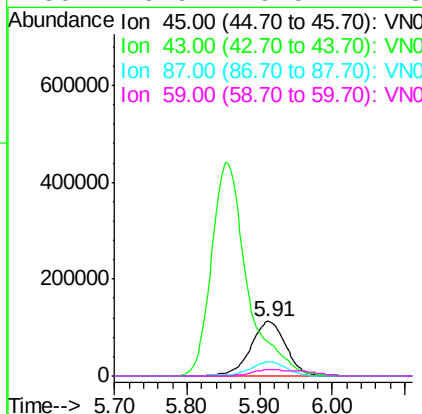
RT: 5.91 min Scan# 1287

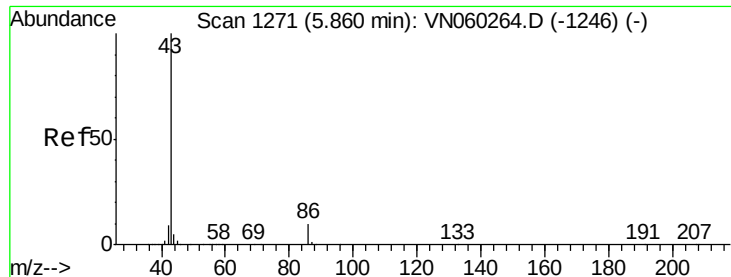
Delta R.T. -0.01 min

Lab File: VN060464.D

Acq: 12 Mar 2020 8:56

Tgt Ion:	45	Resp:	381936
Ion	Ratio	Lower	Upper
45	100		
43	60.9	48.6	72.8
87	26.1	22.2	33.2
59	10.9	9.5	14.3





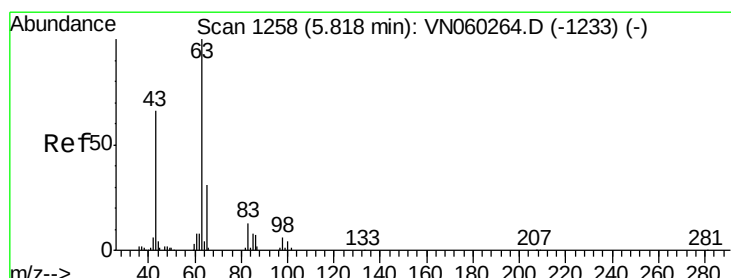
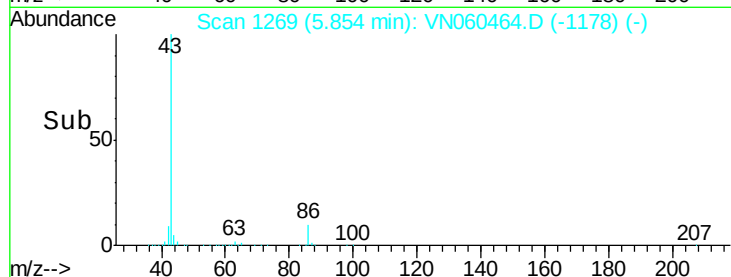
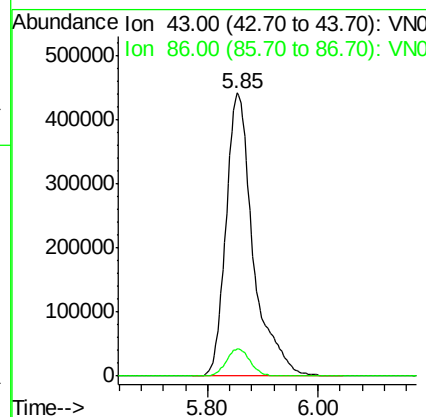
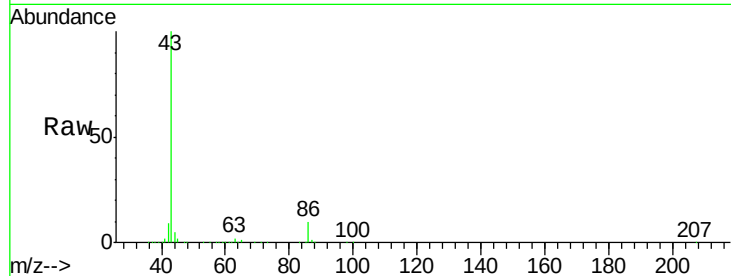
#23
 Vinyl Acetate
 Concen: 263.669 ug/l
 RT: 5.85 min Scan# 1269
 Delta R.T. -0.01 min
 Lab File: VN060464.D
 Acq: 12 Mar 2020 8:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 43 Resp: 1505738
 Ion Ratio Lower Upper
 43 100
 86 9.6 8.0 12.0

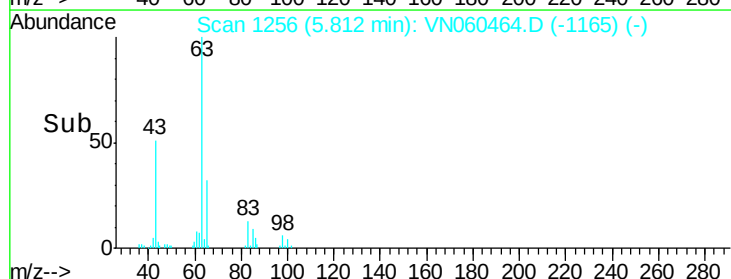
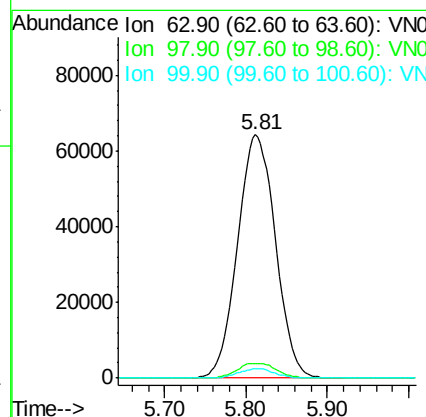
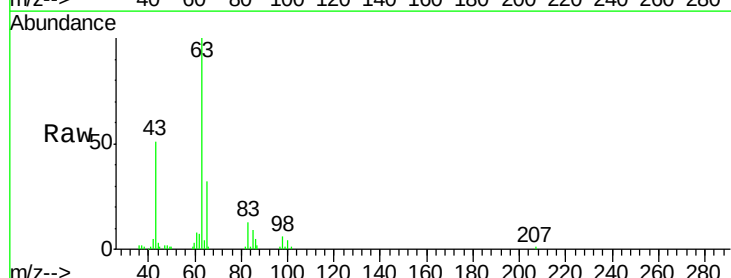
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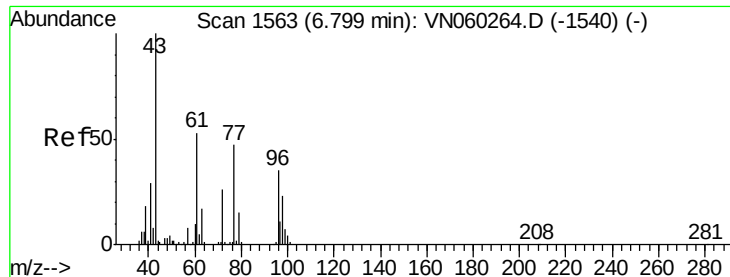
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#24
 1,1-Dichloroethane
 Concen: 50.959 ug/l
 RT: 5.81 min Scan# 1256
 Delta R.T. -0.01 min
 Lab File: VN060464.D
 Acq: 12 Mar 2020 8:56

Tgt Ion: 63 Resp: 207304
 Ion Ratio Lower Upper
 63 100
 98 6.2 3.0 9.0
 100 4.1 2.0 6.0





#25

2-Butanone

Concen: 288.319 ug/l

RT: 6.79 min Scan# 1561

Delta R.T. -0.01 min

Lab File: VN060464.D

Acq: 12 Mar 2020 8:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 386468

Ion Ratio Lower Upper

43 100

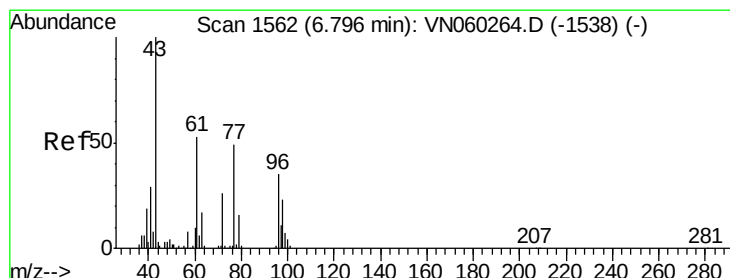
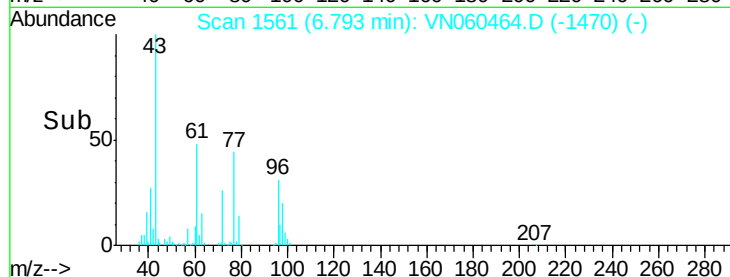
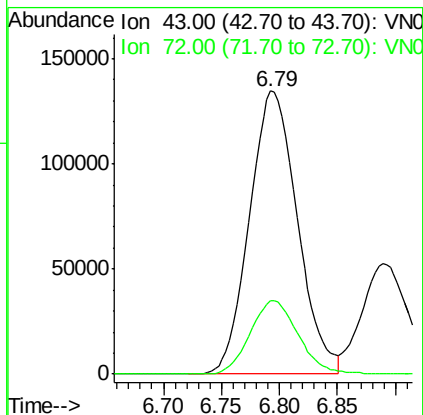
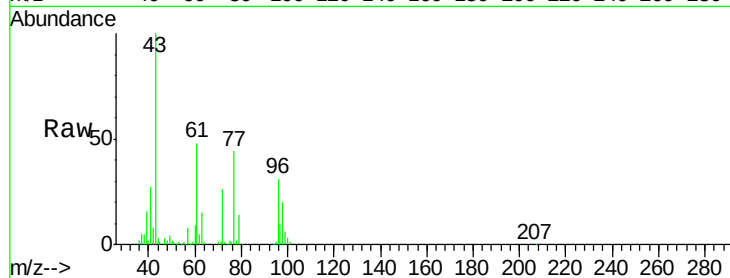
72 25.9 20.9 31.3

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 50.351 ug/l

RT: 6.79 min Scan# 1561

Delta R.T. -0.00 min

Lab File: VN060464.D

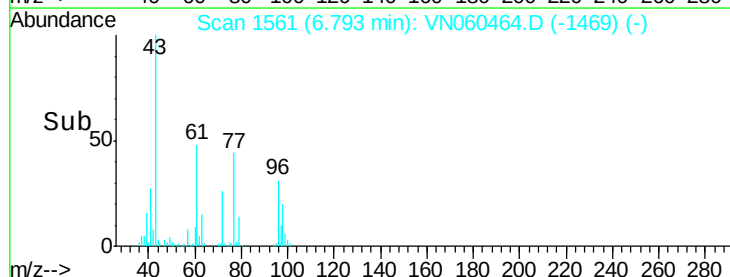
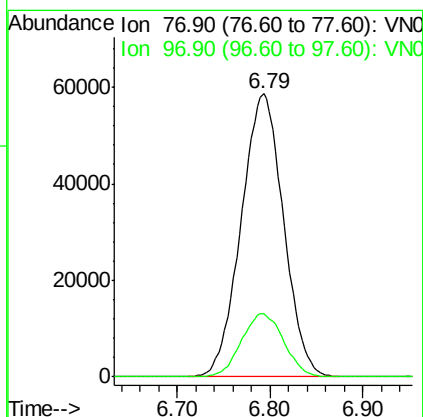
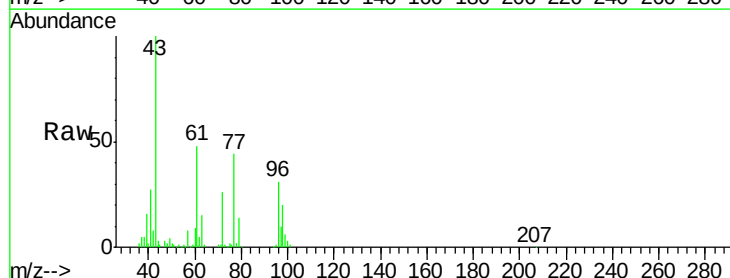
Acq: 12 Mar 2020 8:56

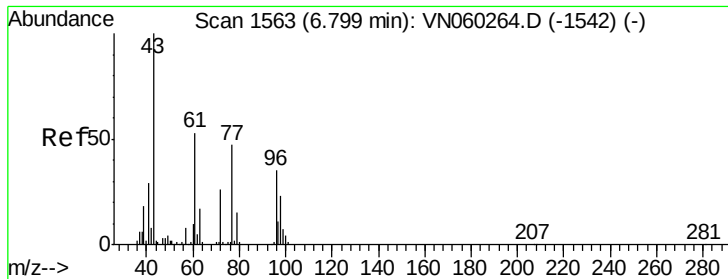
Tgt Ion: 77 Resp: 186475

Ion Ratio Lower Upper

77 100

97 22.4 11.2 33.6





#27

cis-1,2-Dichloroethene

Concen: 46.210 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.00 min

Lab File: VN060464.D

Acq: 12 Mar 2020 8:56

Instrument :

MSVOA_N

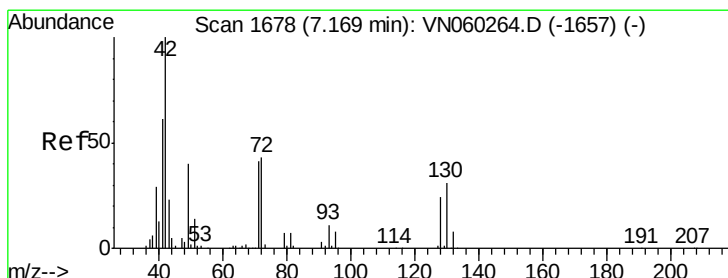
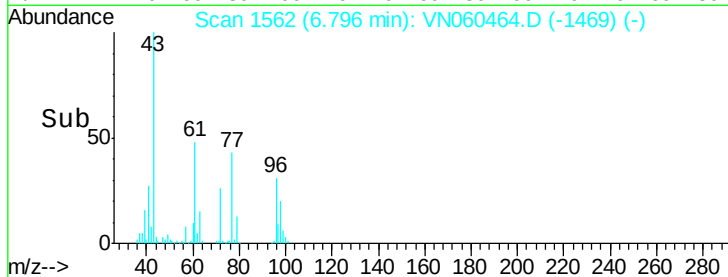
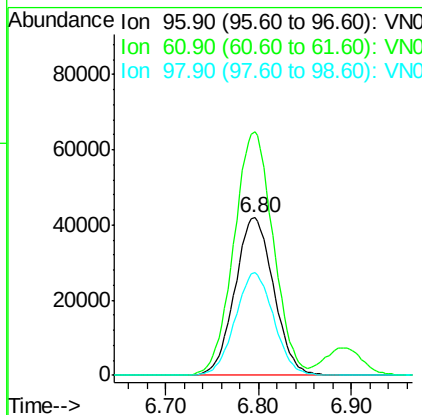
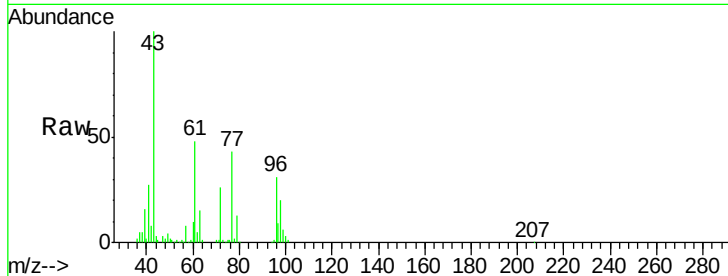
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	122118
Ion	Ratio	Lower	Upper
96	100		
61	156.2	0.0	300.8
98	64.4	0.0	128.2

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#28

Bromochloromethane

Concen: 51.924 ug/l

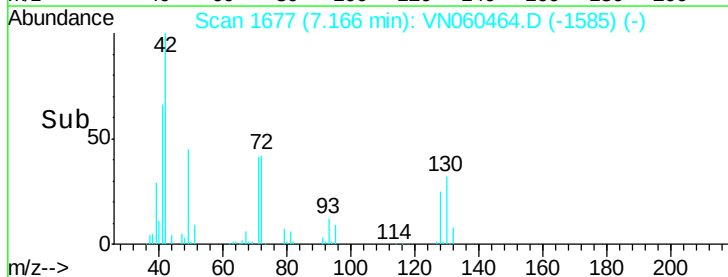
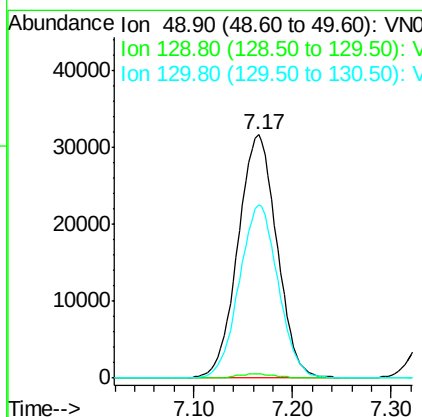
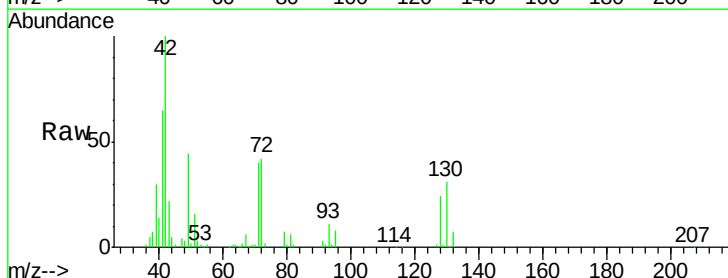
RT: 7.17 min Scan# 1677

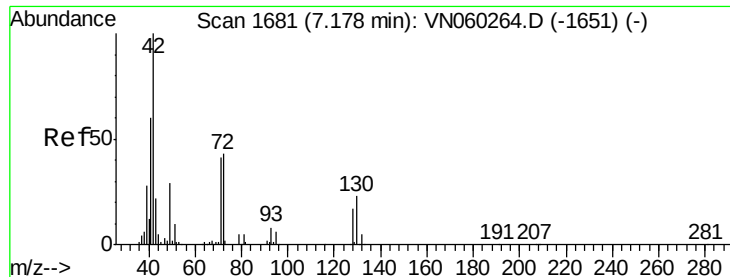
Delta R.T. -0.00 min

Lab File: VN060464.D

Acq: 12 Mar 2020 8:56

Tgt Ion:	49	Resp:	86728
Ion	Ratio	Lower	Upper
49	100		
129	1.6	0.0	3.8
130	70.9	59.8	89.8





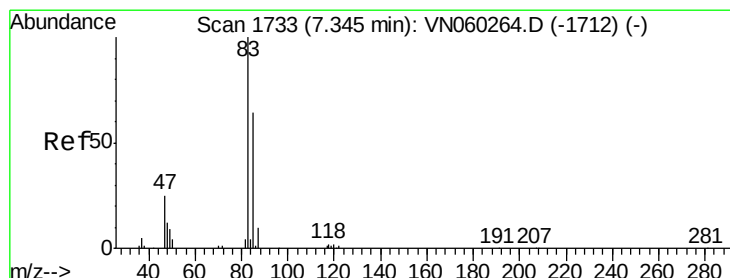
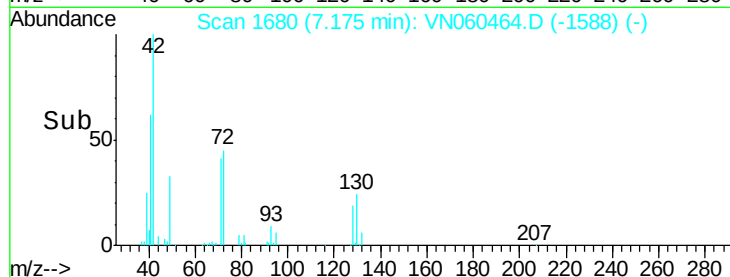
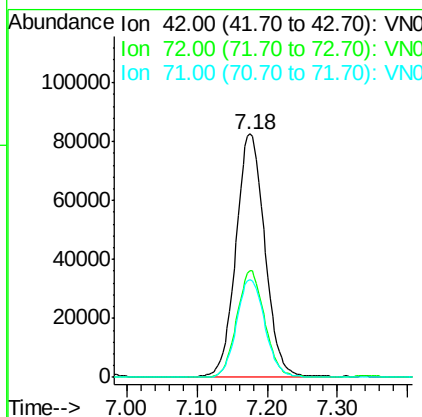
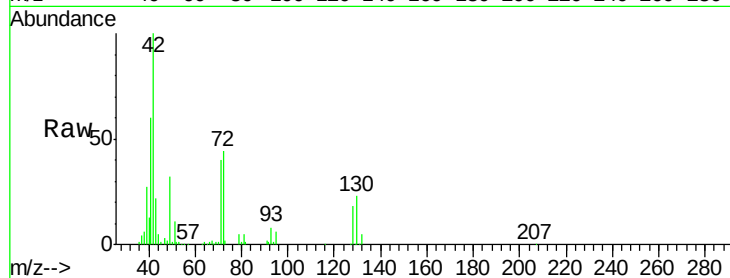
#29
Tetrahydrofuran
Concen: 253.954 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. -0.00 min
Lab File: VN060464.D
Acq: 12 Mar 2020 8:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.1	34.6	52.0
71	39.4	32.9	49.3

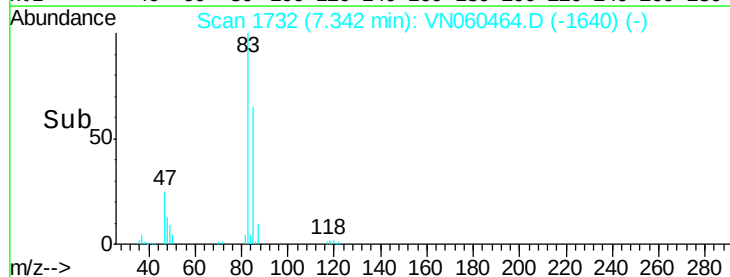
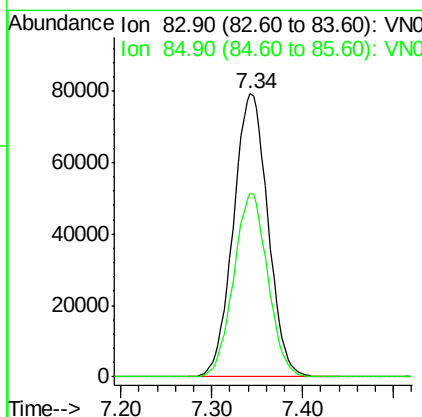
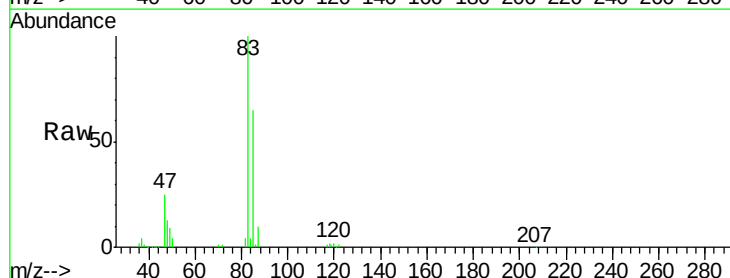
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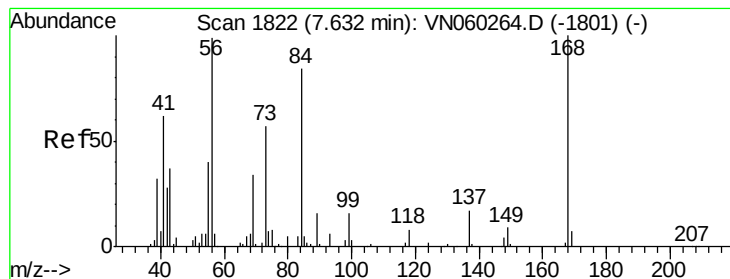
MMDadoda
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#30
Chloroform
Concen: 51.564 ug/l
RT: 7.34 min Scan# 1732
Delta R.T. -0.00 min
Lab File: VN060464.D
Acq: 12 Mar 2020 8:56

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.7	51.4	77.2





#31

Cyclohexane

Concen: 50.095 ug/l

RT: 7.63 min Scan# 1821

Delta R.T. -0.00 min

Lab File: VN060464.D

Acq: 12 Mar 2020 8:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 173899

Ion Ratio Lower Upper

56 100

69 32.1 27.2 40.8

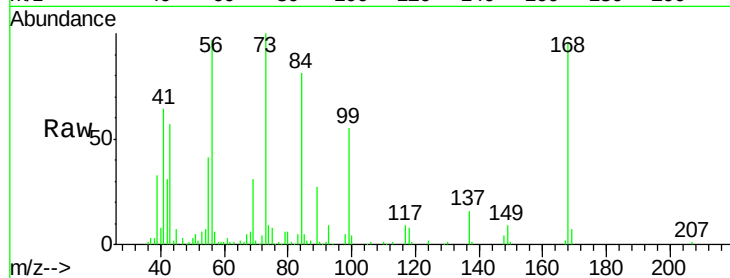
84 81.6 66.7 100.1

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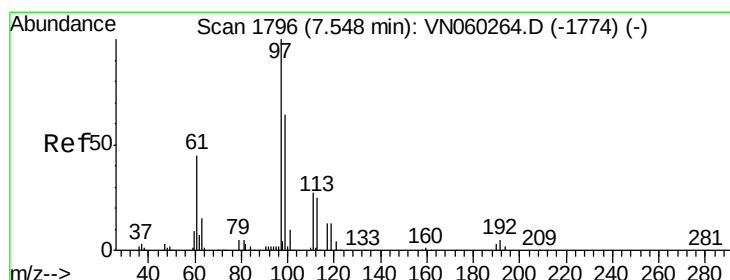
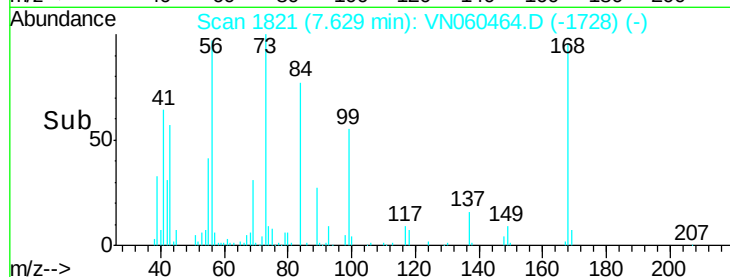
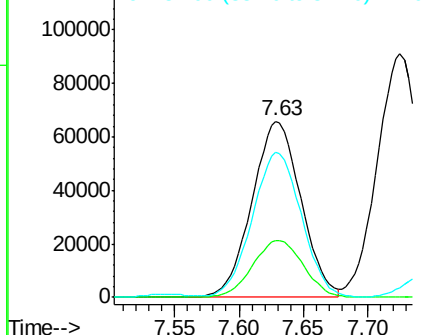


Abundance

Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 49.436 ug/l

RT: 7.54 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VN060464.D

Acq: 12 Mar 2020 8:56

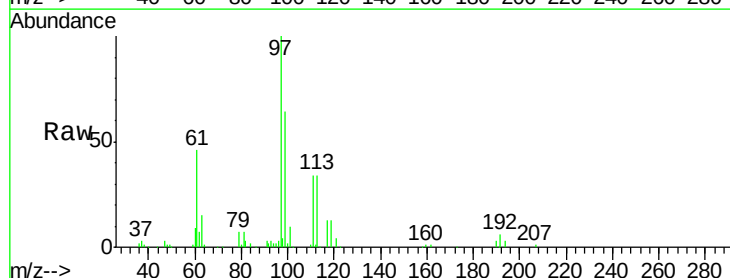
Tgt Ion: 97 Resp: 177381

Ion Ratio Lower Upper

97 100

99 64.3 51.4 77.0

61 45.8 36.6 55.0

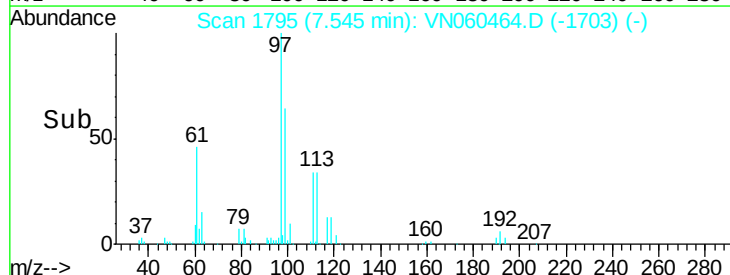
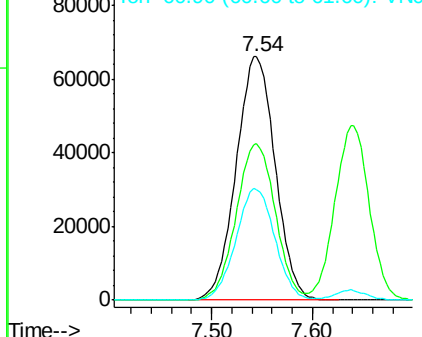


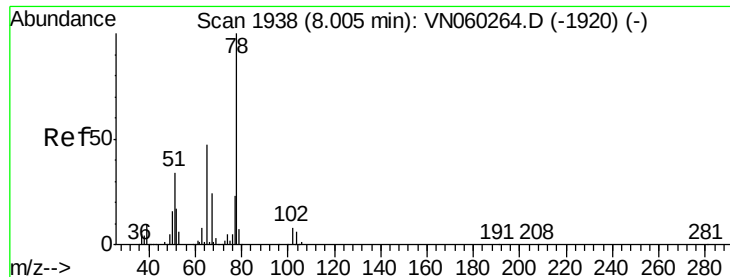
Abundance

Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0





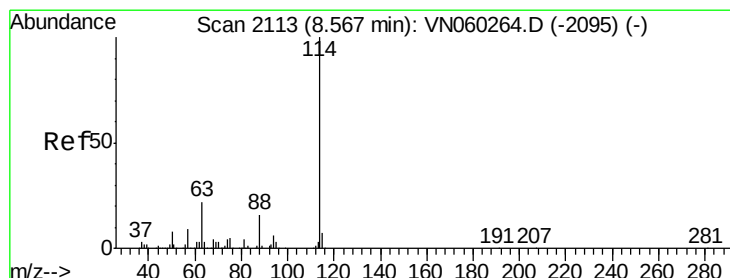
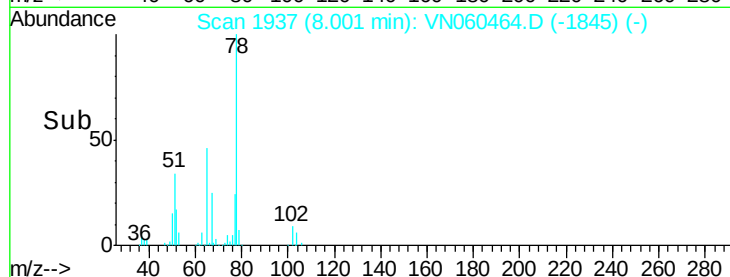
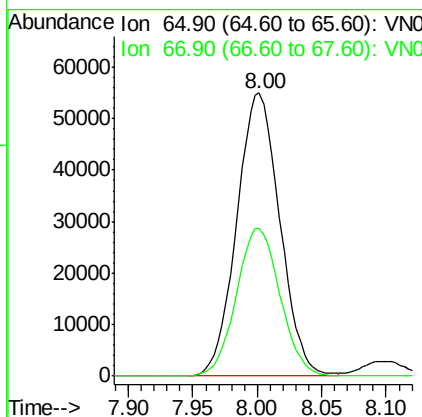
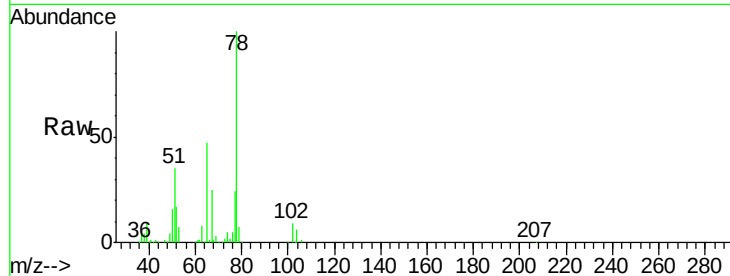
#33
 1,2-Dichloroethane-d4
 Concen: 49.743 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VN060464.D
 Acq: 12 Mar 2020 8:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	53.0	0.0	103.8	

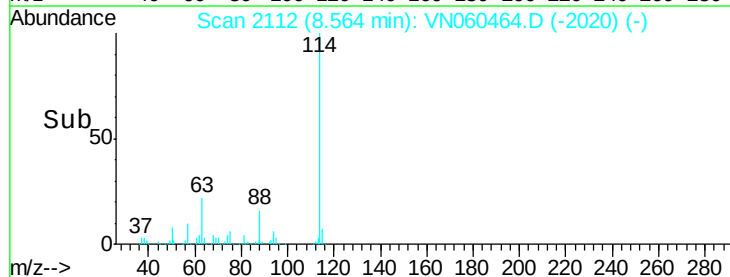
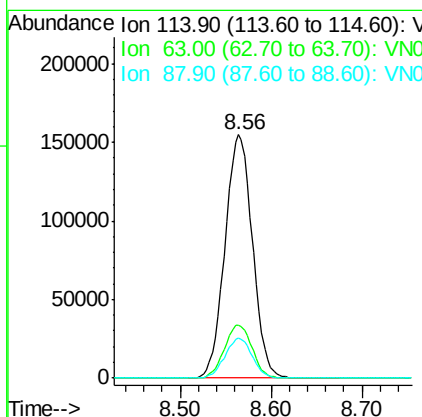
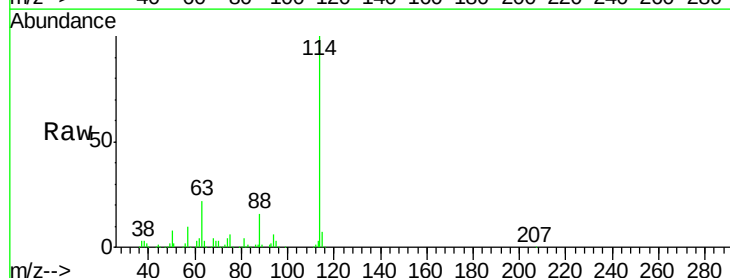
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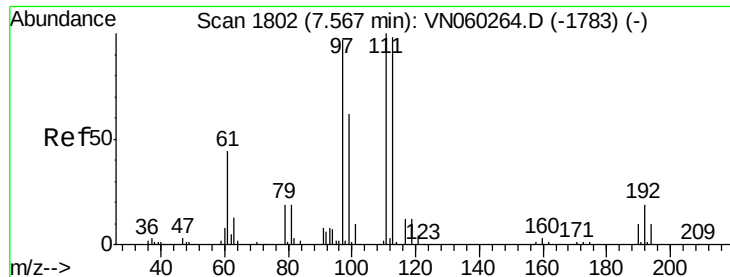
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.56 min Scan# 2112
 Delta R.T. -0.00 min
 Lab File: VN060464.D
 Acq: 12 Mar 2020 8:56

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	21.9	0.0	43.2	
88	16.3	0.0	31.6	





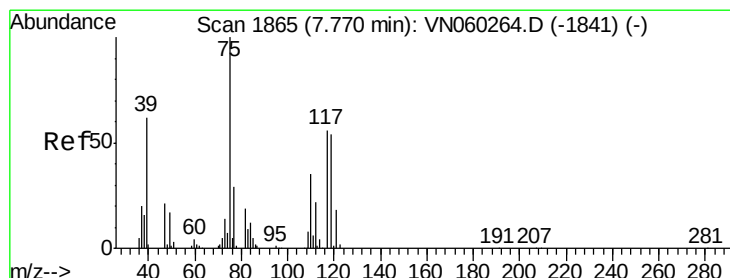
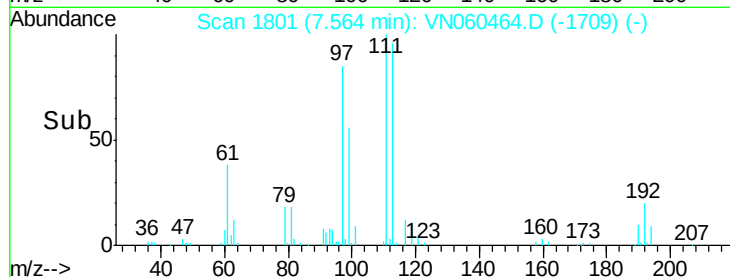
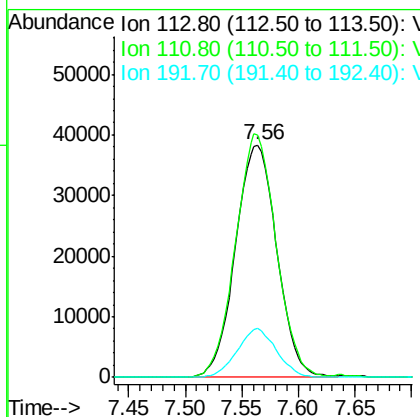
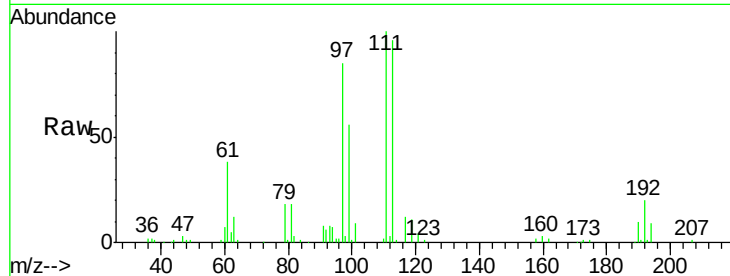
#35
 Dibromofluoromethane
 Concen: 64.910 ug/l
 RT: 7.56 min Scan# 1801
 Delta R.T. -0.00 min
 Lab File: VN060464.D
 Acq: 12 Mar 2020 8:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.9	82.4	123.6
192	19.9	16.2	24.2

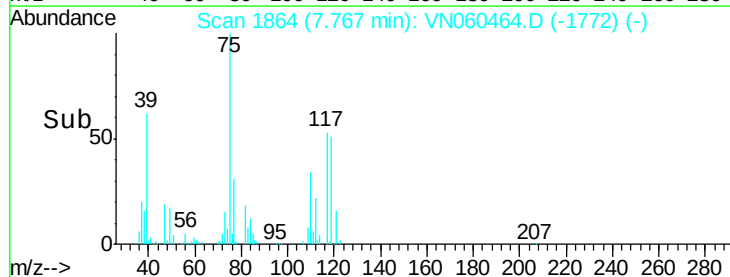
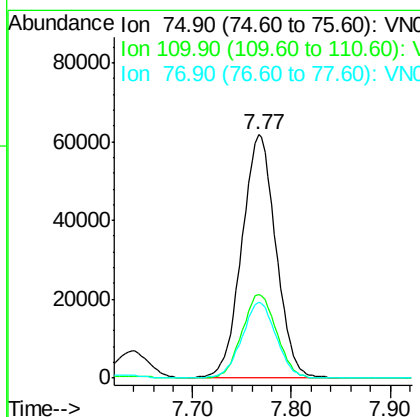
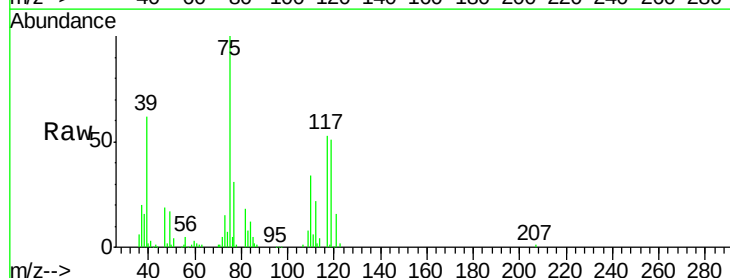
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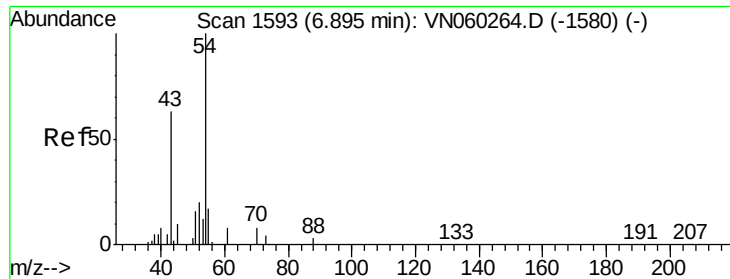
MMDadoda
 3/16/2020 11:49:37 AM



#36
 1,1-Dichloropropene
 Concen: 47.812 ug/l
 RT: 7.77 min Scan# 1864
 Delta R.T. -0.00 min
 Lab File: VN060464.D
 Acq: 12 Mar 2020 8:56

Tgt Ion	Ratio	Lower	Upper
75	100		
110	34.6	17.3	52.0
77	31.2	24.2	36.2





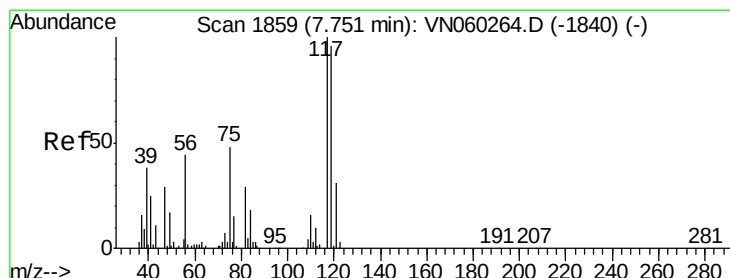
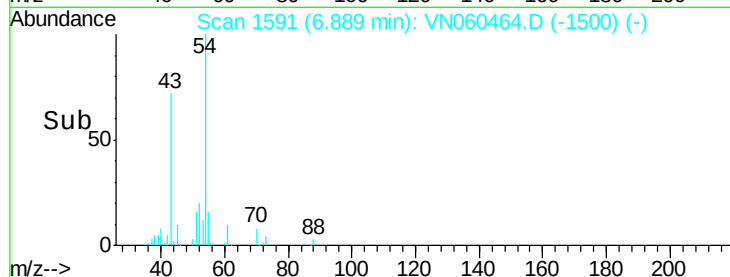
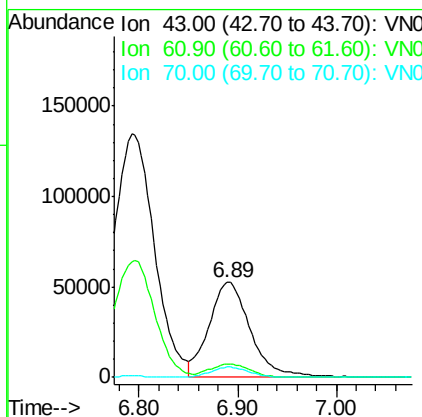
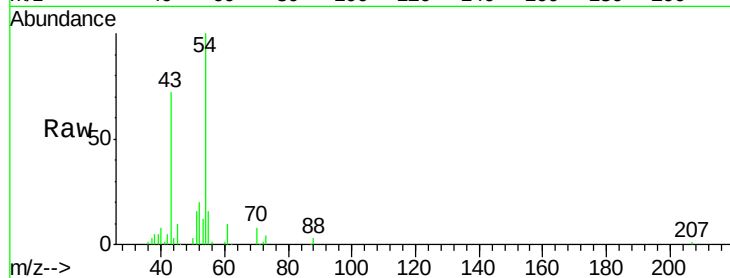
#37
Ethyl Acetate
Concen: 51.276 ug/l
RT: 6.89 min Scan# 1591
Delta R.T. -0.01 min
Lab File: VN060464.D
Acq: 12 Mar 2020 8:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	43	Ratio	Lower	Upper
43	100			
61	14.2	11.1	16.7	
70	10.4	8.4	12.6	

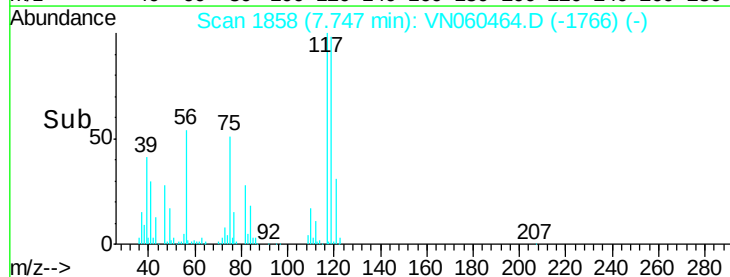
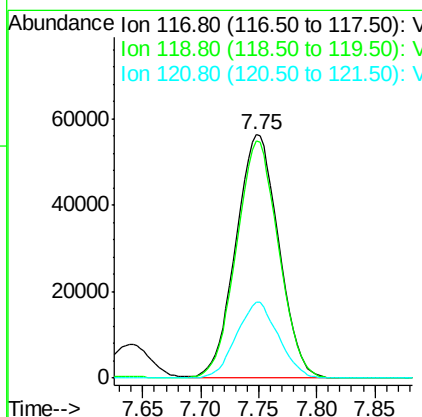
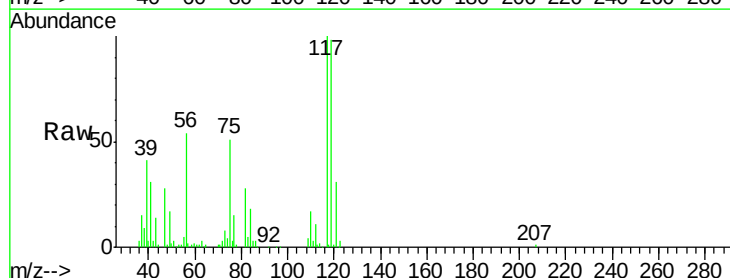
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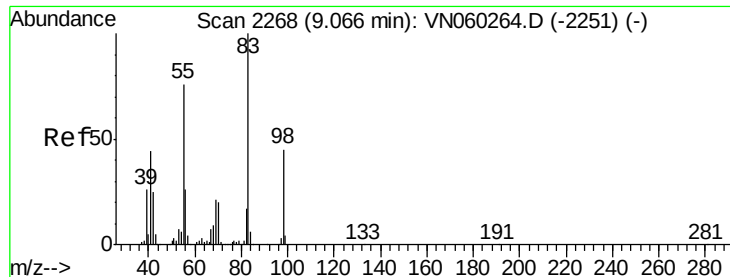
MMDadoda
3/16/2020 11:49:37 AM



#38
Carbon Tetrachloride
Concen: 48.199 ug/l
RT: 7.75 min Scan# 1858
Delta R.T. -0.00 min
Lab File: VN060464.D
Acq: 12 Mar 2020 8:56

Tgt Ion	117	Ratio	Lower	Upper
117	100			
119	97.6	76.7	115.1	
121	31.4	24.5	36.7	





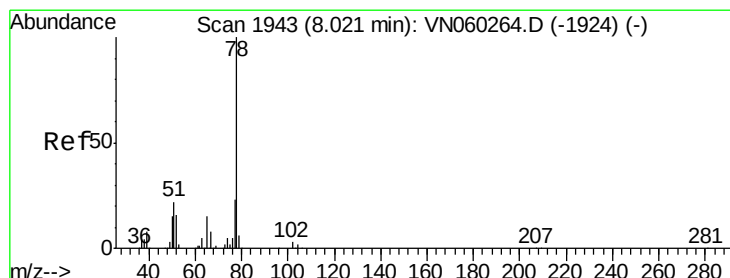
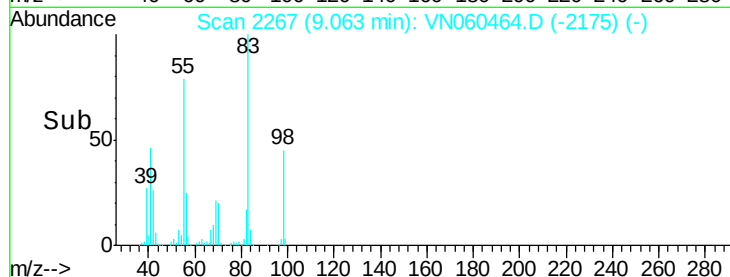
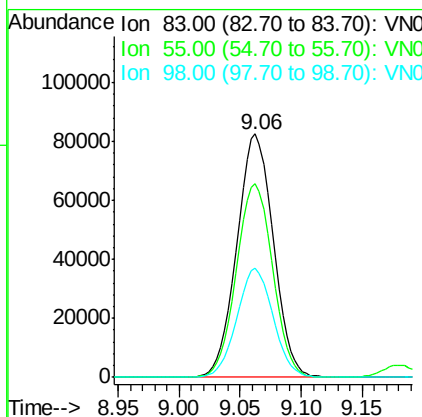
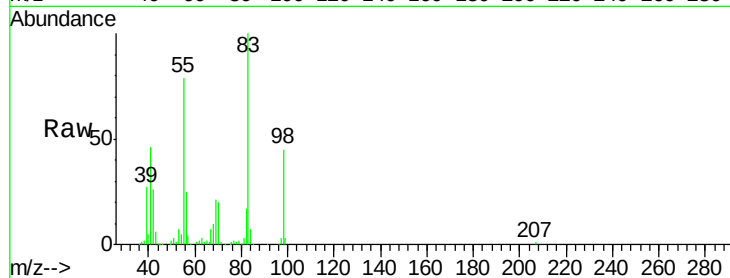
#39
Methylvlcyclohexane
Concen: 46.877 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. -0.00 min
Lab File: VN060464.D
Acq: 12 Mar 2020 8:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	79.4	61.0	91.4
98	44.9	36.1	54.1

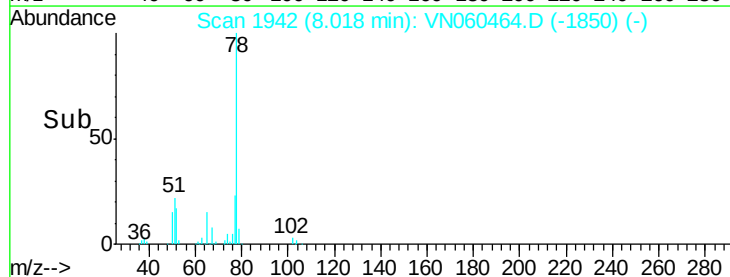
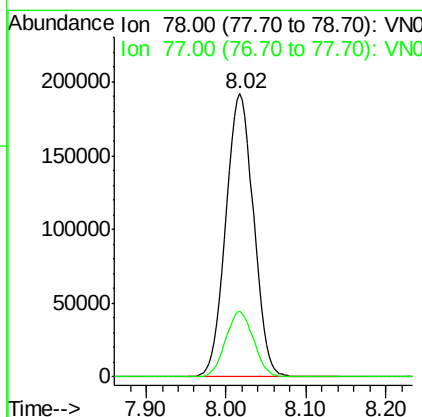
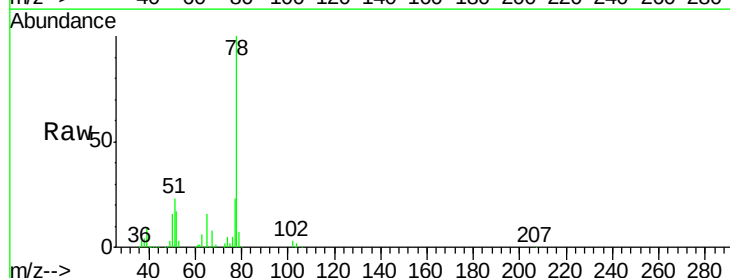
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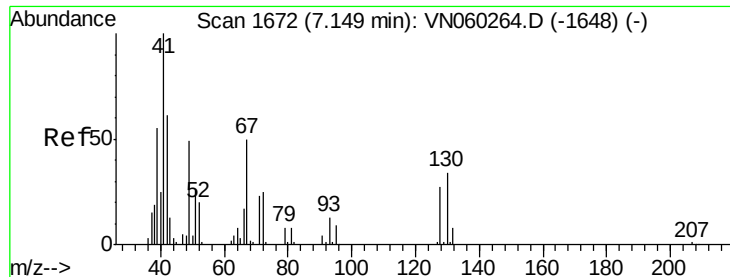
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#40
Benzene
Concen: 50.582 ug/l
RT: 8.02 min Scan# 1942
Delta R.T. -0.00 min
Lab File: VN060464.D
Acq: 12 Mar 2020 8:56

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.1	18.8	28.2





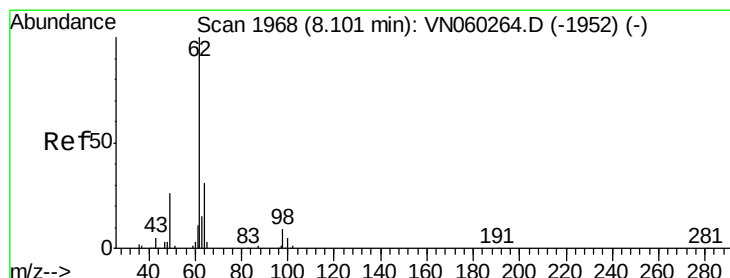
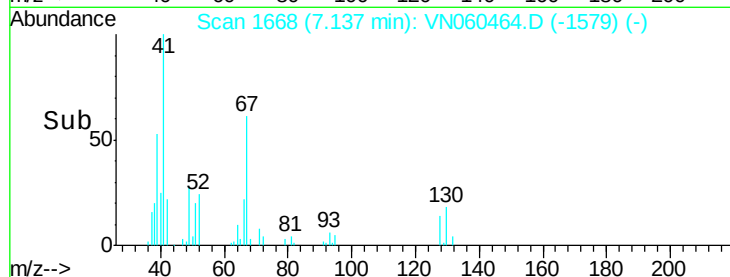
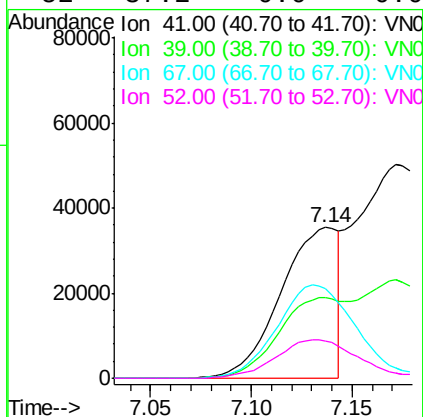
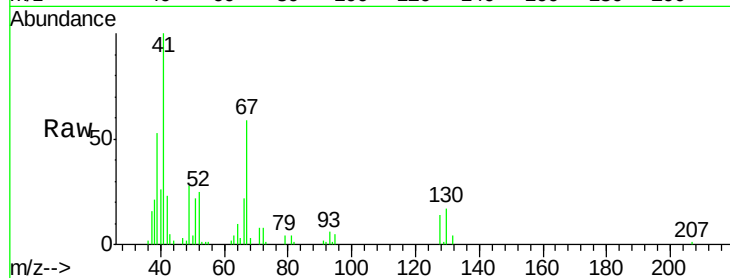
#41
Methacrylonitrile
Concen: 51.747 ug/l
RT: 7.14 min Scan# 1668
Delta R.T. -0.01 min
Lab File: VN060464.D
Acq: 12 Mar 2020 8:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
41	100		
39	60.0	0.0	0.0#
67	85.7	0.0	0.0#
52	37.2	0.0	0.0#

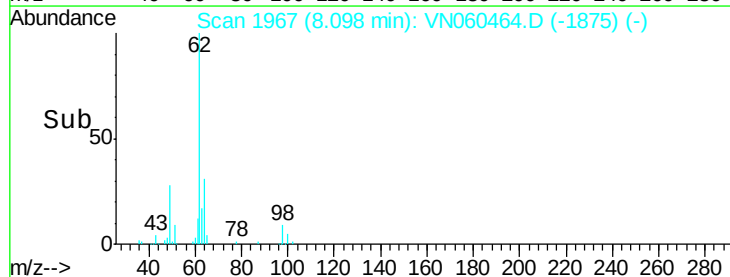
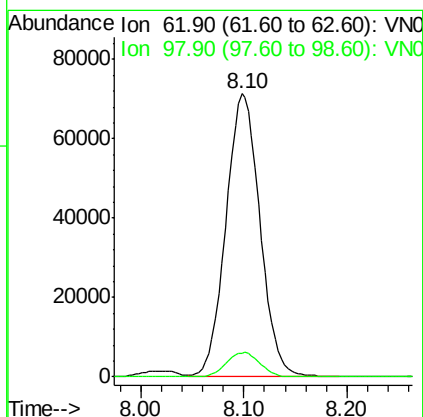
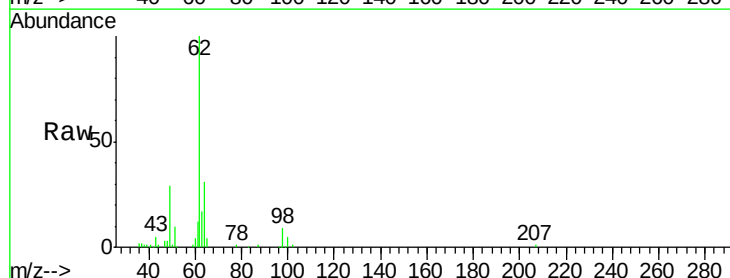
Manual Integrations
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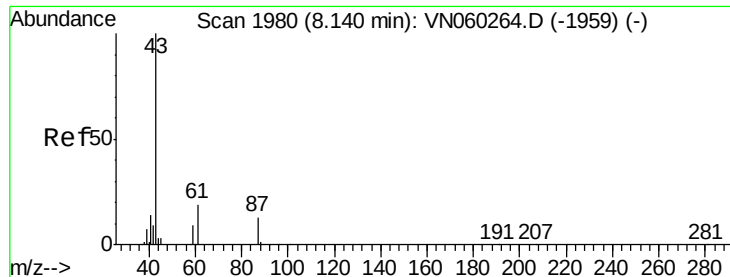
MMDadoda
3/16/2020 11:49:37 AM



#42
1,2-Dichloroethane
Concen: 50.703 ug/l
RT: 8.10 min Scan# 1967
Delta R.T. -0.00 min
Lab File: VN060464.D
Acq: 12 Mar 2020 8:56

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.5	0.0	17.0





#43

Isopropyl Acetate

Concen: 52.689 ug/l

RT: 8.14 min Scan# 1979

Delta R.T. -0.00 min

Lab File: VN060464.D

Acq: 12 Mar 2020 8:56

Instrument :

MSVOA_N

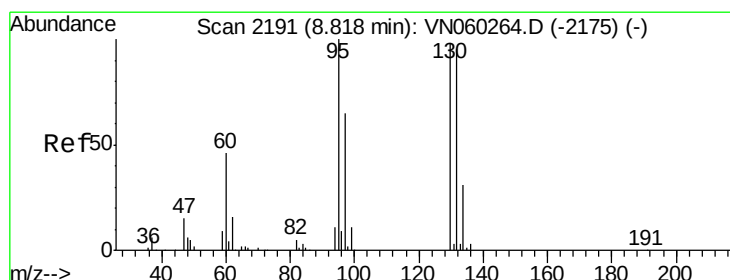
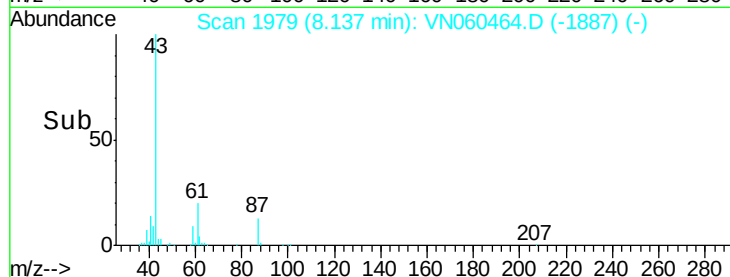
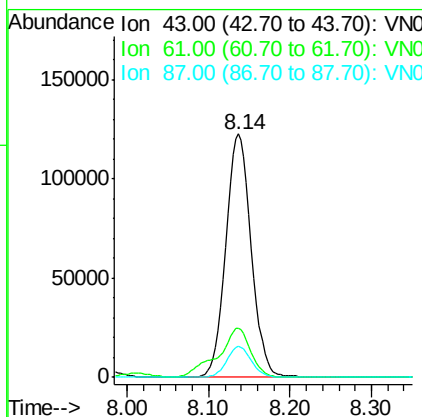
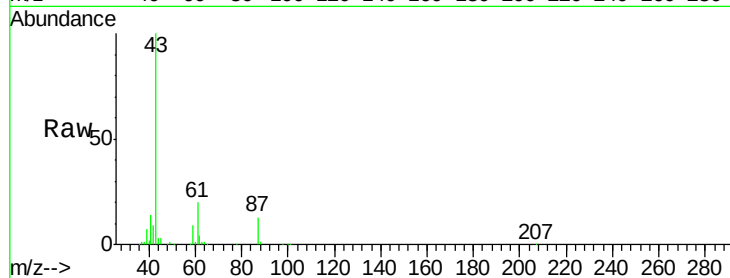
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	269747
Ion	Ratio	Lower	Upper
43	100		
61	26.0	20.9	31.3
87	12.3	10.6	16.0

Manual Integrations
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3/16/2020 11:49:37 AM



#44

Trichloroethene

Concen: 47.702 ug/l

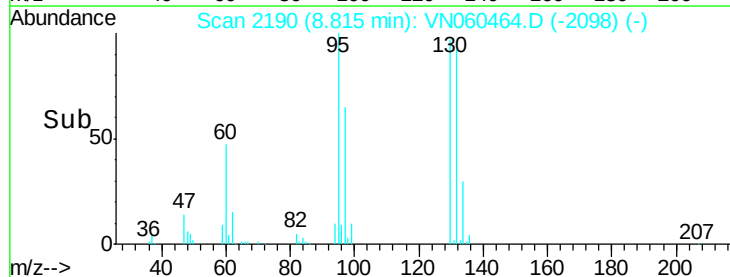
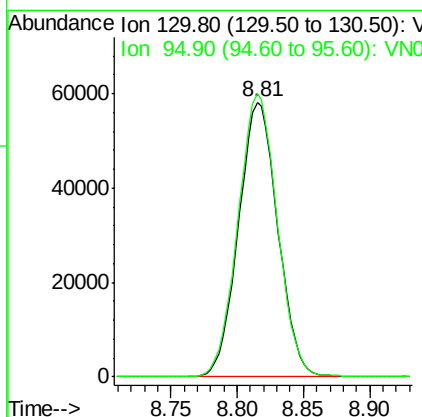
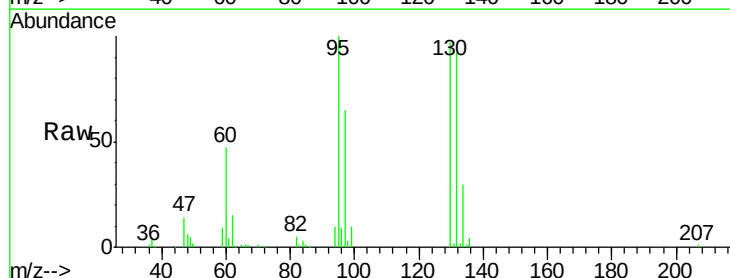
RT: 8.81 min Scan# 2190

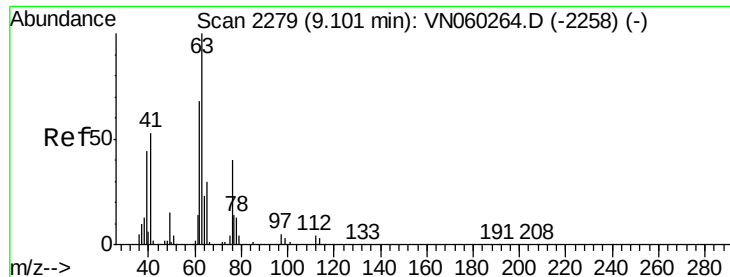
Delta R.T. -0.00 min

Lab File: VN060464.D

Acq: 12 Mar 2020 8:56

Tgt Ion:	130	Resp:	119424
Ion	Ratio	Lower	Upper
130	100		
95	103.0	0.0	203.4





#45

1,2-Dichloropropane

Concen: 53.983 ug/l

RT: 9.10 min Scan# 2278

Delta R.T. -0.00 min

Lab File: VN060464.D

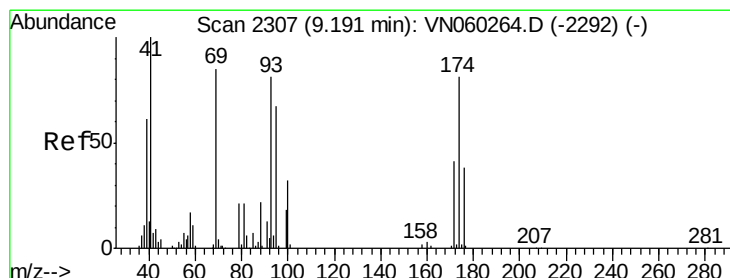
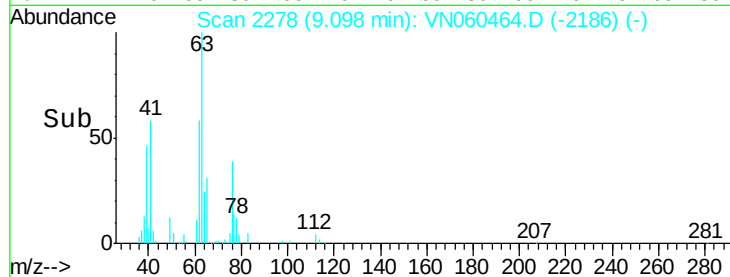
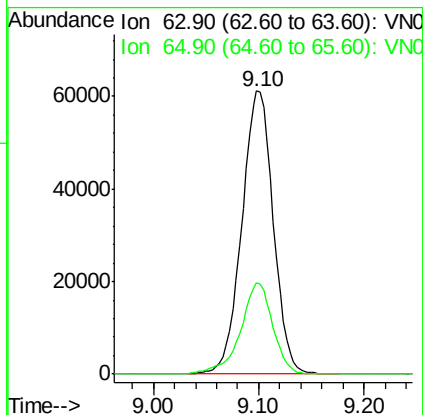
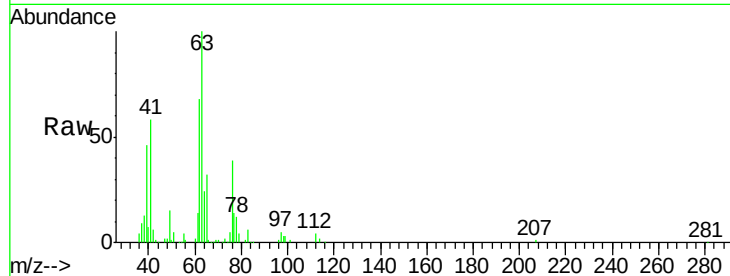
Acq: 12 Mar 2020 8:56

Tot Ion:	63	Resp:	126873
Ion Ratio	Lower	Upper	
63	100		
65	32.2	24.4	36.6

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
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#46

Dibromomethane

Concen: 50.623 ug/l

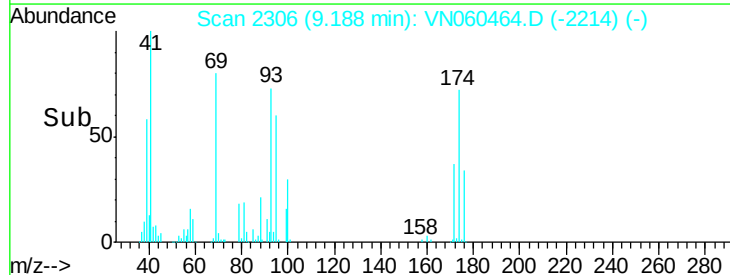
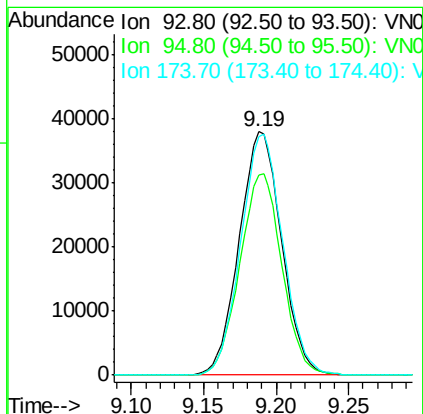
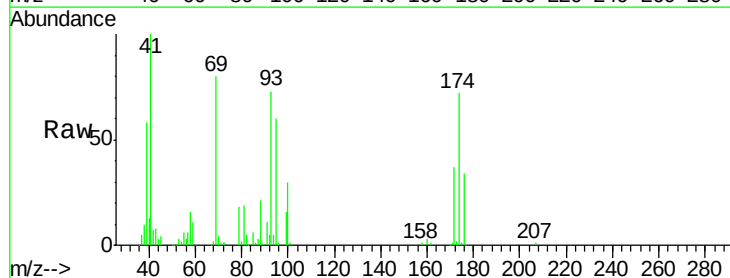
RT: 9.19 min Scan# 2306

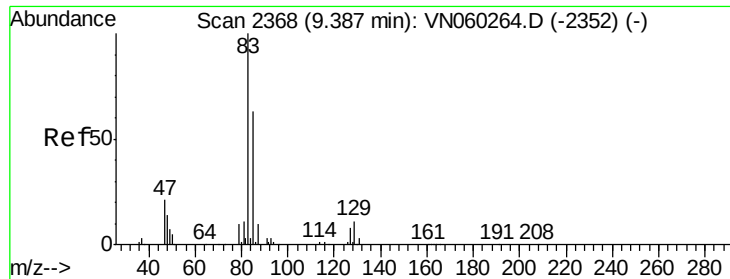
Delta R.T. -0.00 min

Lab File: VN060464.D

Acq: 12 Mar 2020 8:56

Tgt Ion:	93	Resp:	77199
Ion Ratio	Lower	Upper	
93	100		
95	82.2	65.9	98.9
174	98.1	79.6	119.4





#47

Bromodichloromethane

Concen: 53.807 ug/l

RT: 9.38 min Scan# 2367

Delta R.T. -0.00 min

Lab File: VN060464.D

Acq: 12 Mar 2020 8:56

Instrument :

MSVOA_N

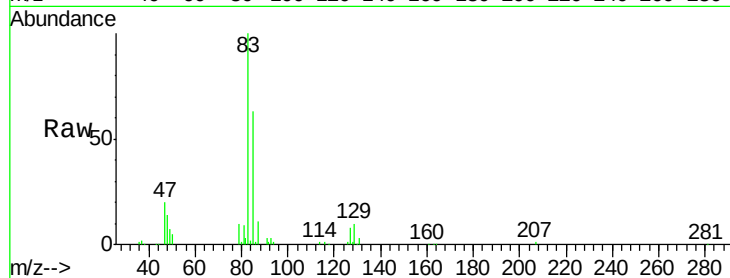
ClientSampleId :

VSTDCCC050

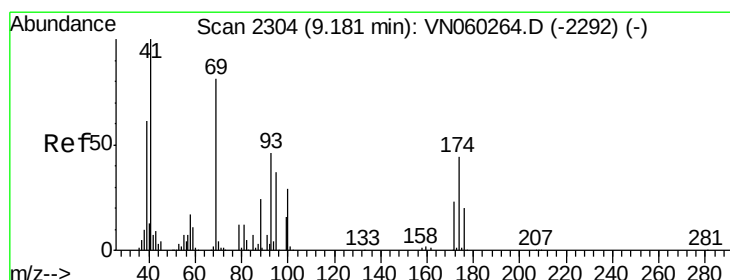
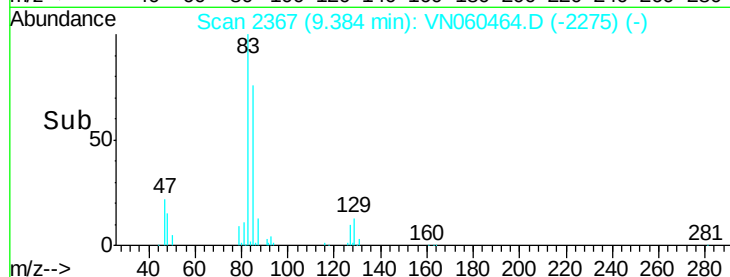
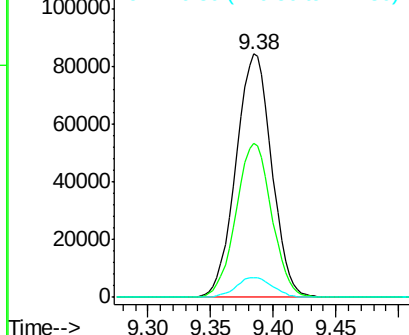
Tot Ion:	83	Resp:	166887
Ion	Ratio	Lower	Upper
83	100		
85	63.4	50.7	76.1
127	8.1	6.8	10.2

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 84.90 (84.60 to 85.60): VNO
Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 51.028 ug/l

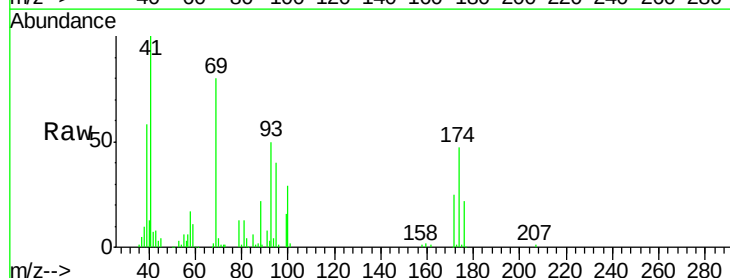
RT: 9.18 min Scan# 2304

Delta R.T. 0.00 min

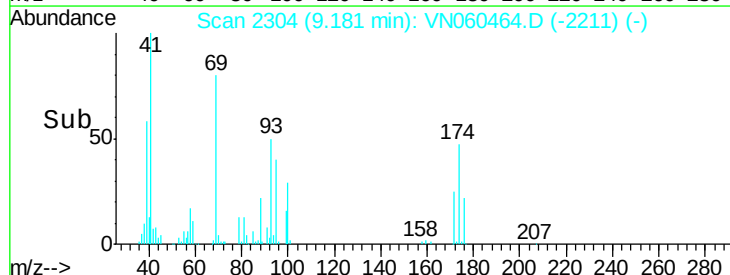
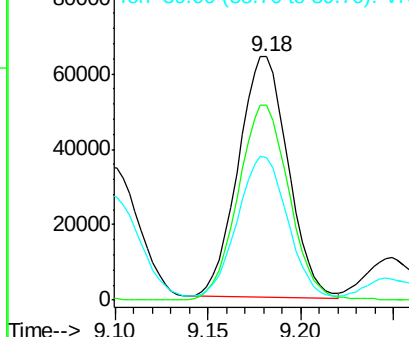
Lab File: VN060464.D

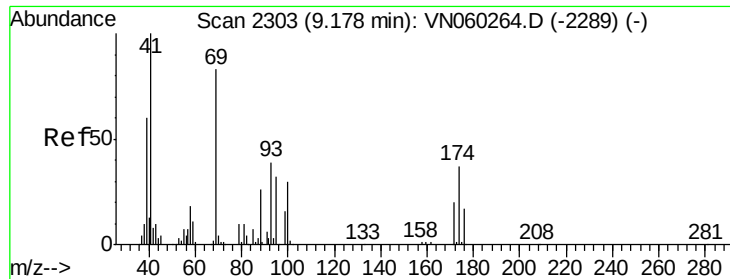
Acq: 12 Mar 2020 8:56

Tgt Ion:	41	Resp:	119130
Ion	Ratio	Lower	Upper
41	100		
69	83.0	66.7	100.1
39	60.9	50.1	75.1



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





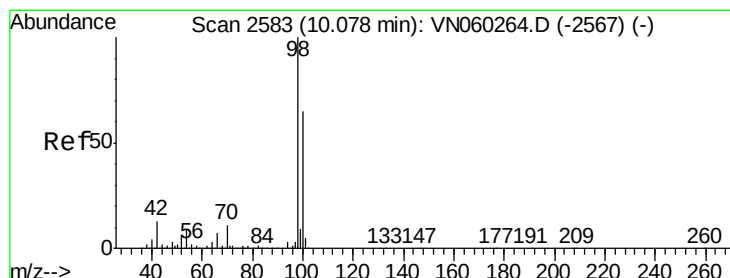
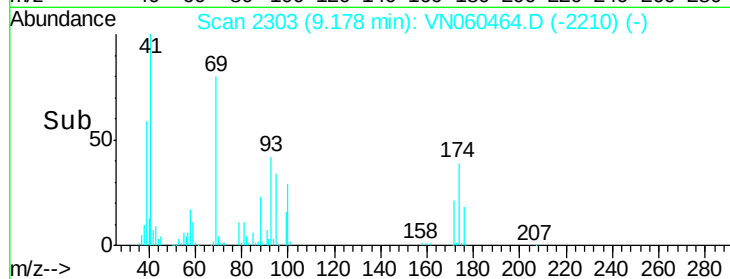
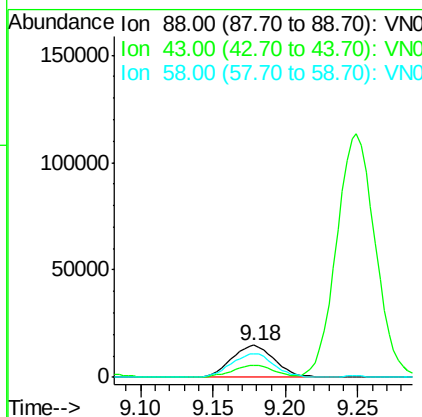
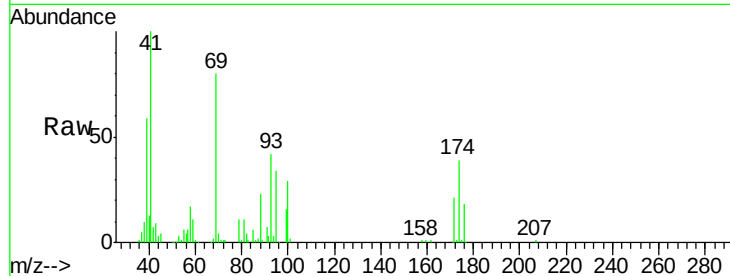
#49
1,4-Dioxane
Concen: 936.947 ug/l
RT: 9.18 min Scan# 2303
Delta R.T. 0.00 min
Lab File: VN060464.D
Acq: 12 Mar 2020 8:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	36.9	30.4	45.6
58	73.9	57.0	85.6

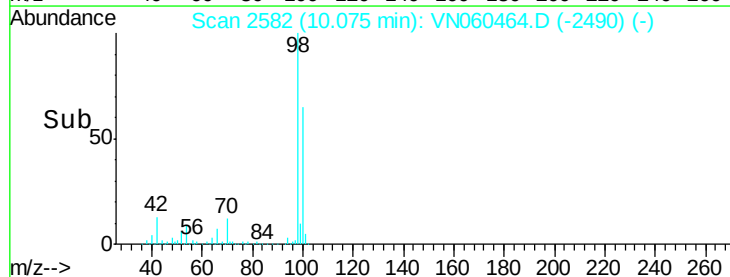
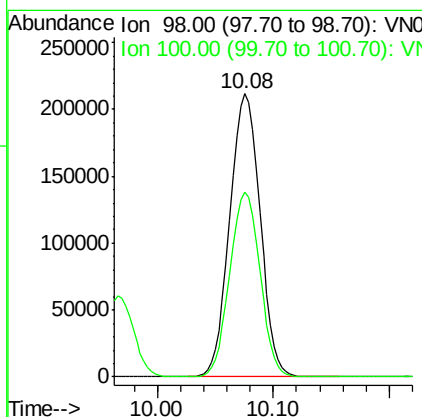
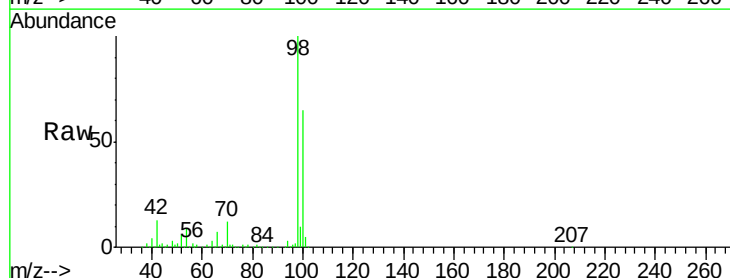
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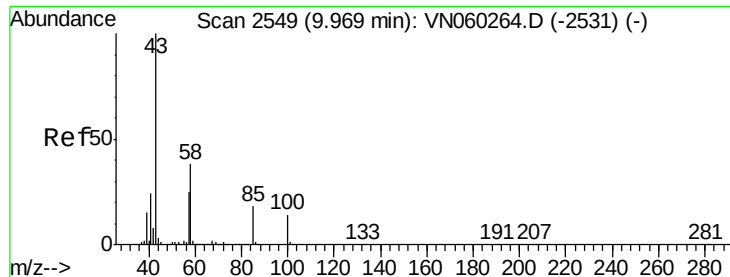
MMDadoda
3/16/2020 11:49:37 AM



#50
Toluene-d8
Concen: 50.417 ug/l
RT: 10.08 min Scan# 2582
Delta R.T. -0.00 min
Lab File: VN060464.D
Acq: 12 Mar 2020 8:56

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.0	52.2	78.2





#51

4-Methyl-2-Pentanone

Concen: 269.214 ug/l

RT: 9.97 min Scan# 2548

Delta R.T. -0.00 min

Lab File: VN060464.D

Acq: 12 Mar 2020 8:56

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 43 Resp: 781458

Ion Ratio Lower Upper

43 100

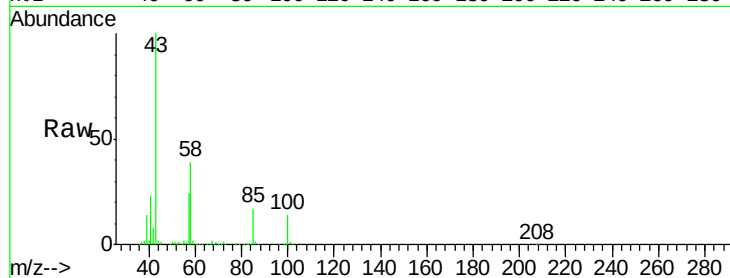
58 38.3 30.9 46.3

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

9.97

400000

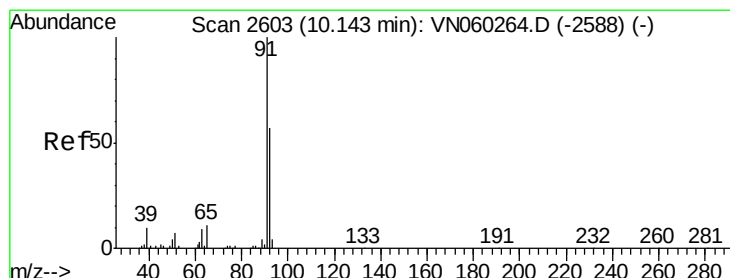
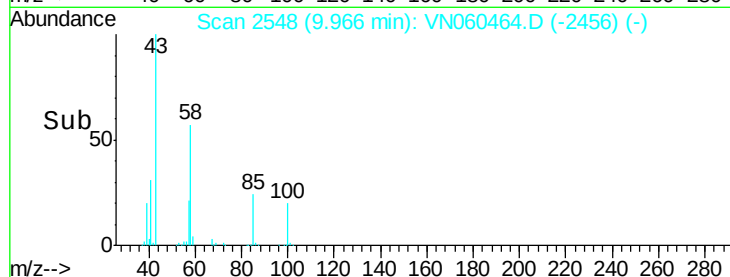
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 50.026 ug/l

RT: 10.14 min Scan# 2602

Delta R.T. -0.00 min

Lab File: VN060464.D

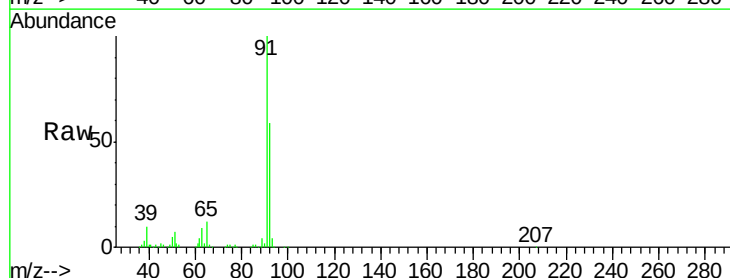
Acq: 12 Mar 2020 8:56

Tgt Ion: 92 Resp: 282482

Ion Ratio Lower Upper

92 100

91 171.7 138.1 207.1



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

10.14

300000

250000

200000

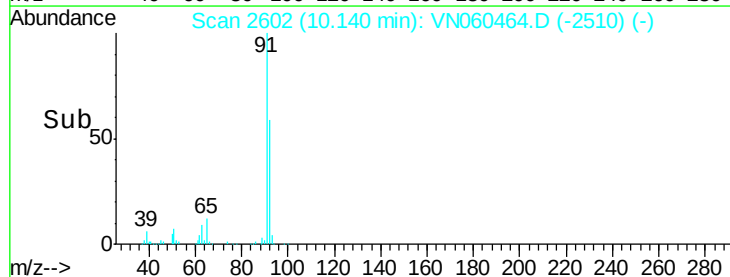
150000

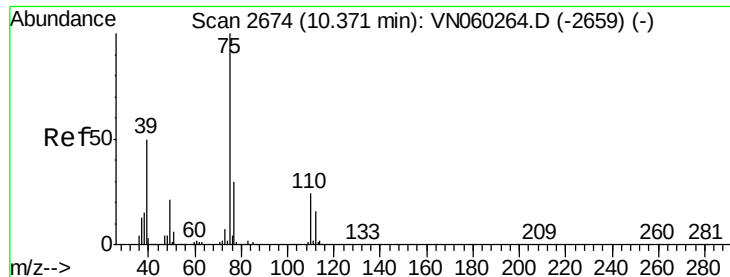
100000

50000

0

Time-->





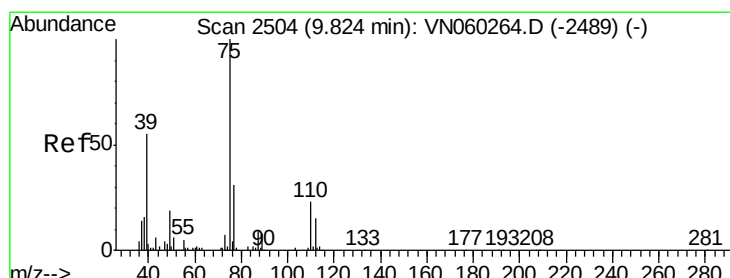
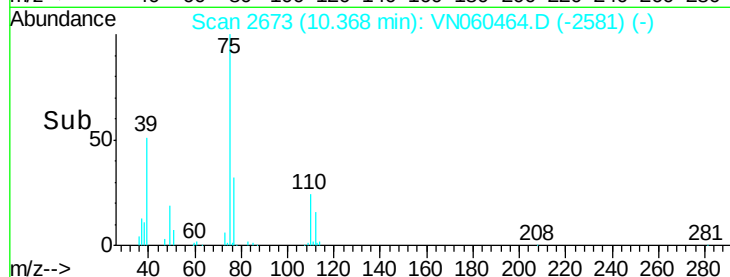
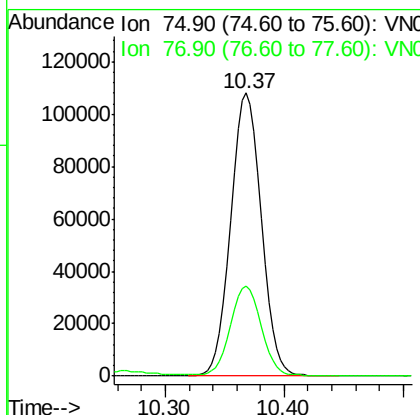
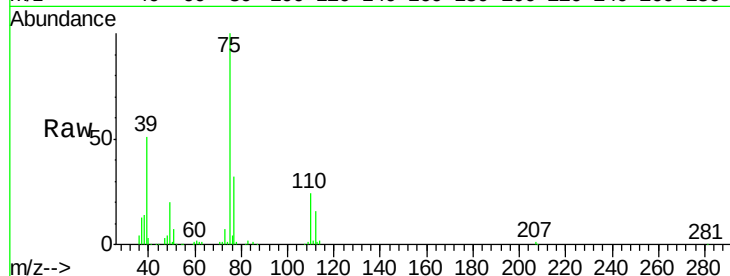
#53
t-1,3-Dichloropropene
Concen: 50.713 ug/l
RT: 10.37 min Scan# 2673
Delta R.T. -0.00 min
Lab File: VN060464.D
Acq: 12 Mar 2020 8:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.6	24.8	37.2

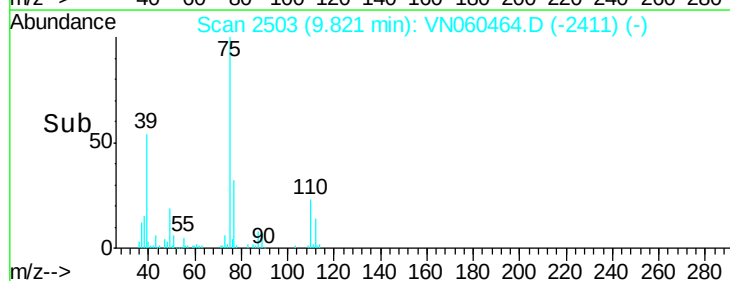
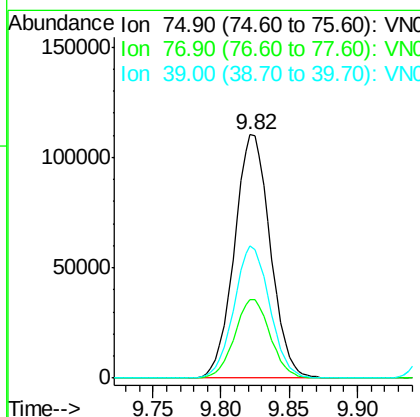
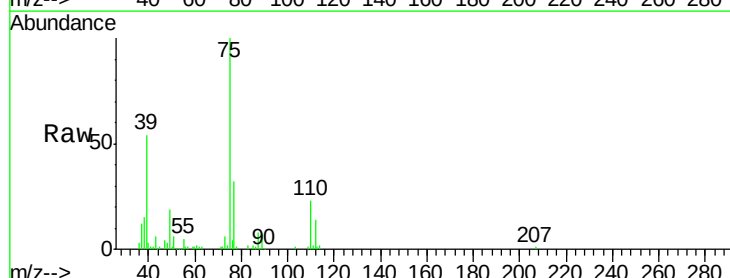
Manual Integrations
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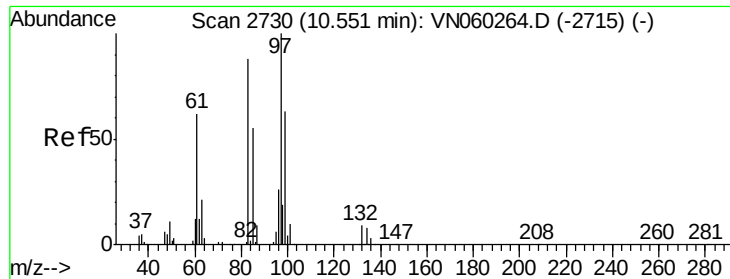
MMDadoda
3/16/2020 11:49:37 AM



#54
cis-1,3-Dichloropropene
Concen: 51.204 ug/l
RT: 9.82 min Scan# 2503
Delta R.T. -0.00 min
Lab File: VN060464.D
Acq: 12 Mar 2020 8:56

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.2	24.8	37.2
39	54.3	43.8	65.8





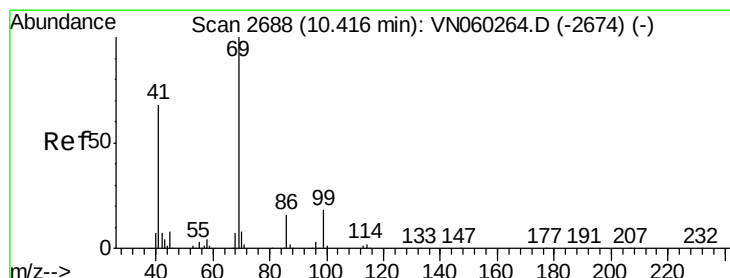
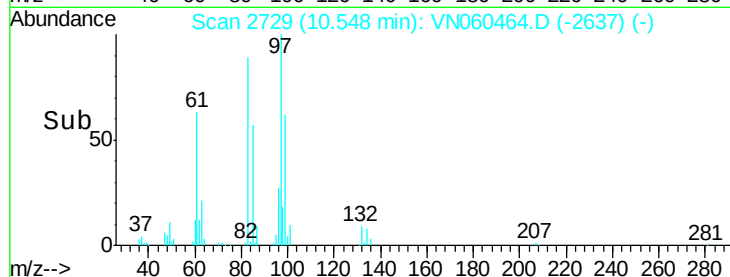
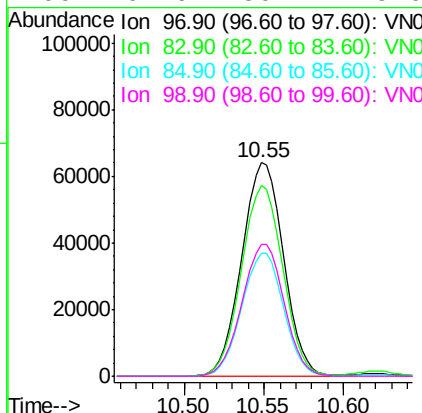
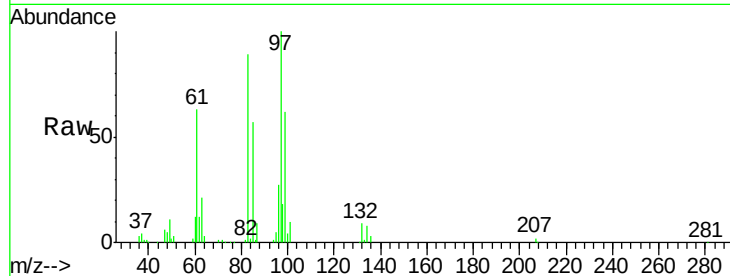
#55
 1,1,2-Trichloroethane
 Concen: 50.506 ug/l
 RT: 10.55 min Scan# 2729
 Delta R.T. -0.00 min
 Lab File: VN060464.D
 Acq: 12 Mar 2020 8:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	114687
Ion	Ratio	Lower	Upper
97	100		
83	89.4	70.0	105.0
85	57.4	44.0	66.0
99	61.9	50.4	75.6

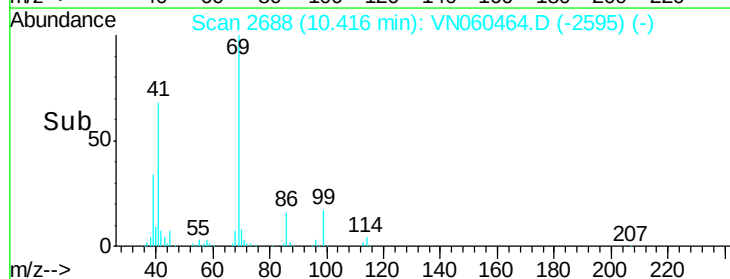
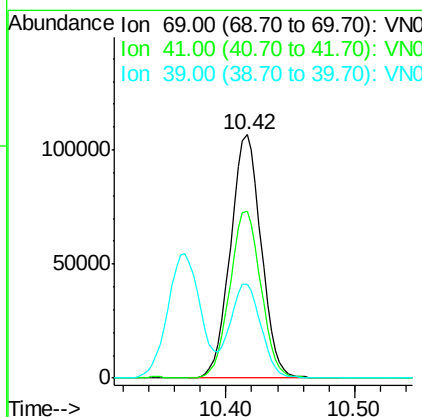
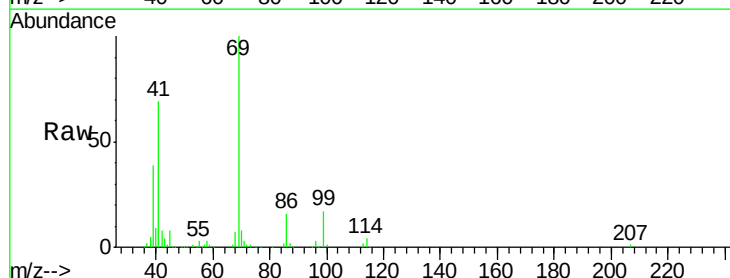
Manual Integrations
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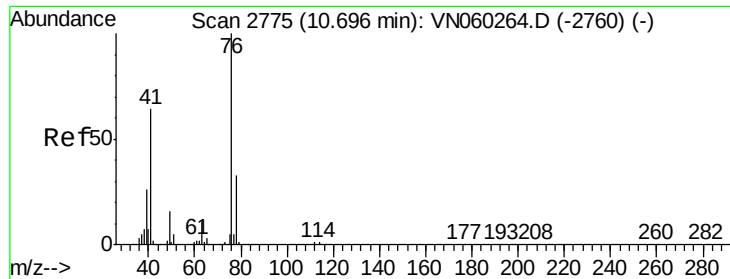
MMDadoda
 3/16/2020 11:49:37 AM



#56
 Ethyl methacrylate
 Concen: 54.116 ug/l
 RT: 10.42 min Scan# 2688
 Delta R.T. 0.00 min
 Lab File: VN060464.D
 Acq: 12 Mar 2020 8:56

Tgt Ion:	69	Resp:	176543
Ion	Ratio	Lower	Upper
69	100		
41	69.1	54.1	81.1
39	38.5	32.5	48.7





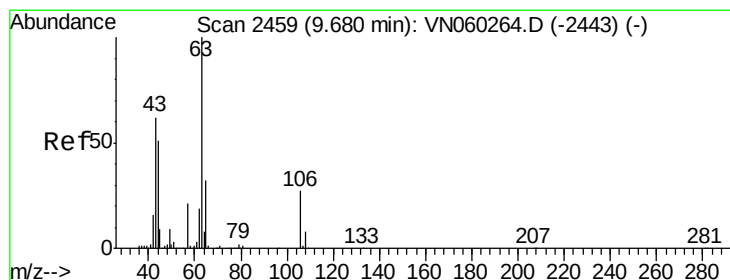
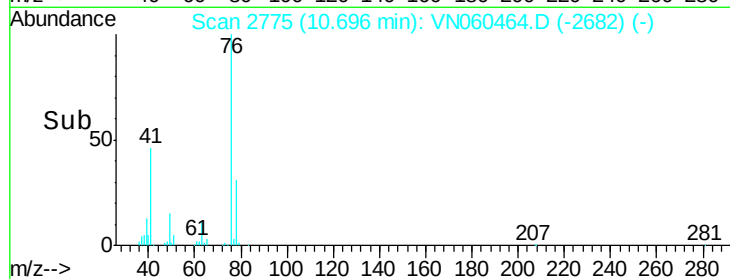
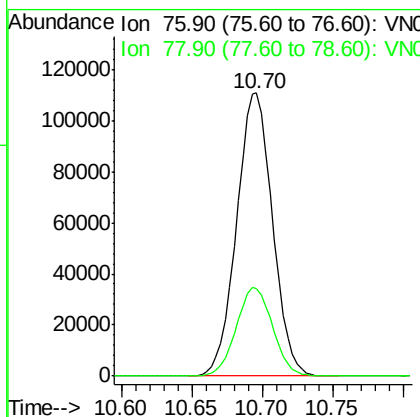
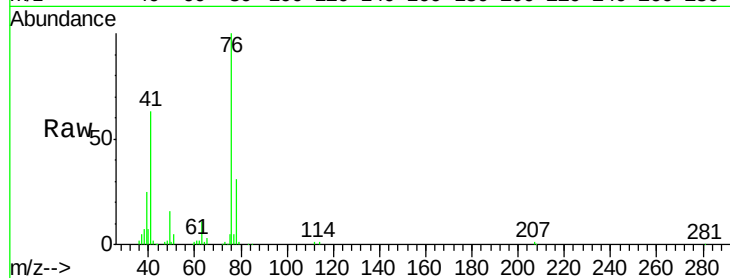
#57
 1,3-Dichloropropane
 Concen: 53.297 ug/l
 RT: 10.70 min Scan# 2775
 Delta R.T. 0.00 min
 Lab File: VN060464.D
 Acq: 12 Mar 2020 8:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.8	26.2	39.2

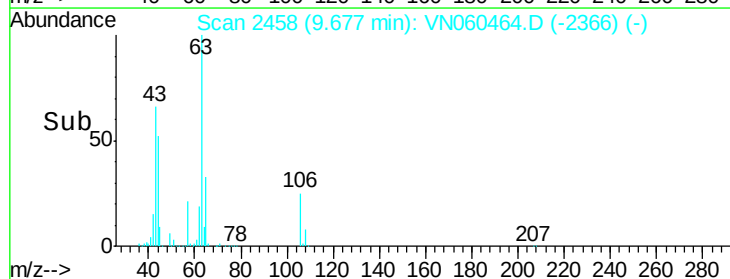
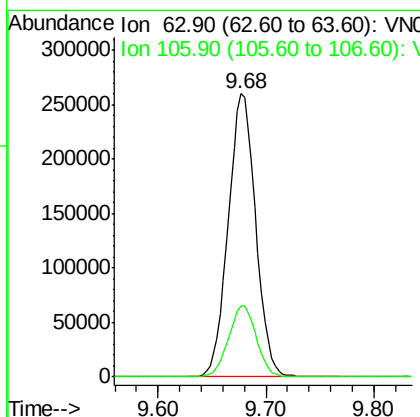
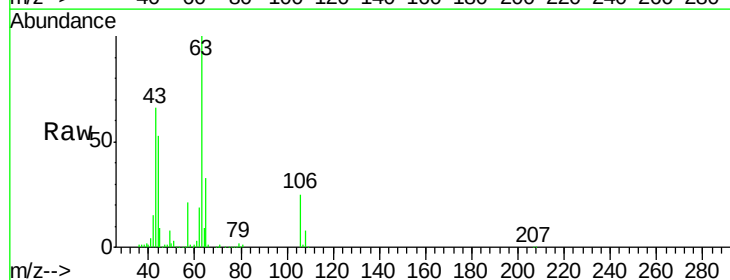
Manual Integrations
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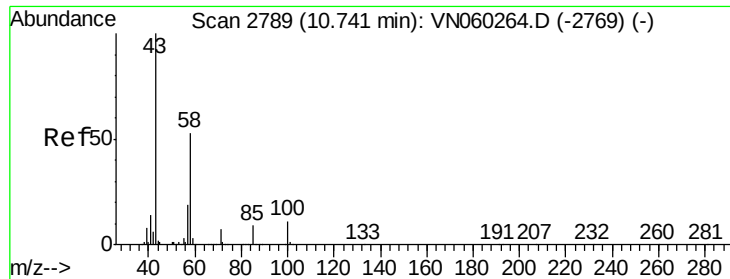
MMDadoda
 3/16/2020 11:49:37 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 270.756 ug/l
 RT: 9.68 min Scan# 2458
 Delta R.T. -0.00 min
 Lab File: VN060464.D
 Acq: 12 Mar 2020 8:56

Tgt Ion	Ratio	Lower	Upper
63	100		
106	25.5	21.1	31.7





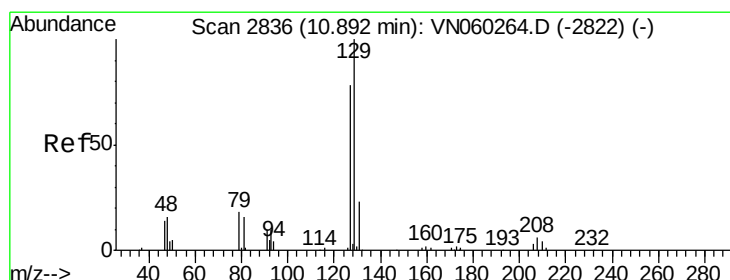
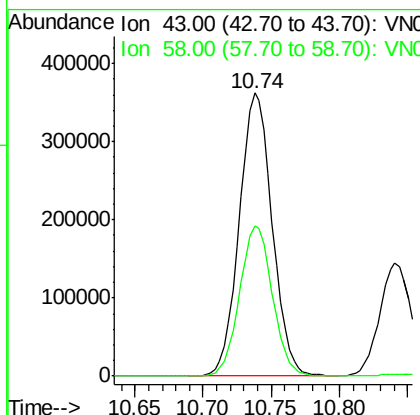
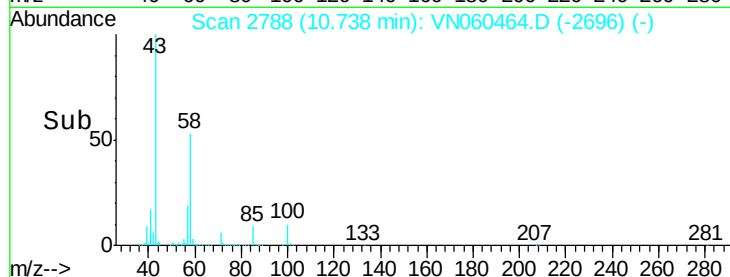
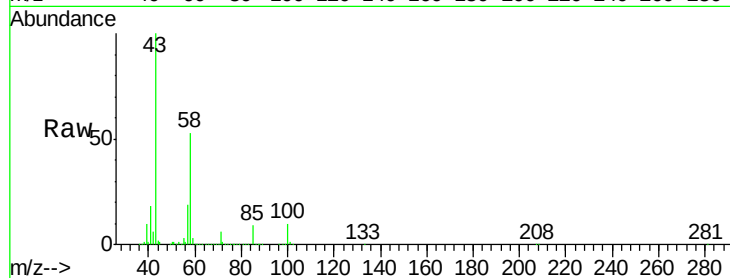
#59
2-Hexanone
Concen: 283.888 ug/l
RT: 10.74 min Scan# 2788
Delta R.T. -0.00 min
Lab File: VN060464.D
Acq: 12 Mar 2020 8:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
58	53.1	26.5	79.5

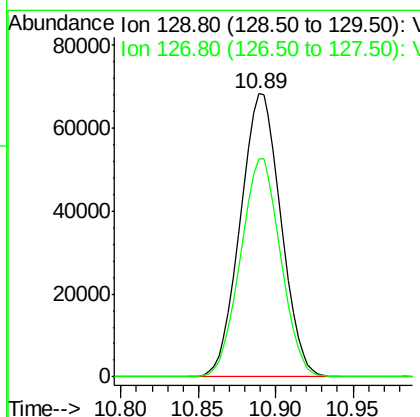
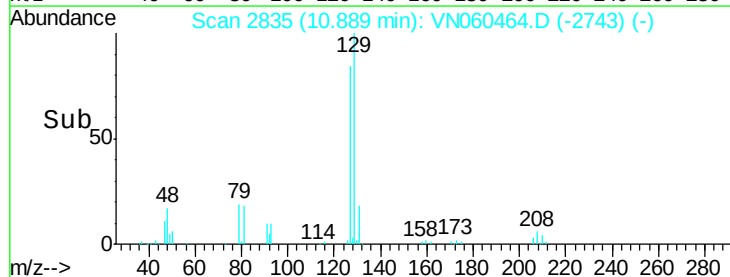
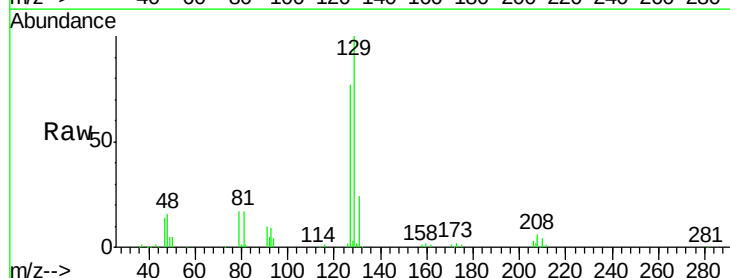
Manual Integrations
APPROVED

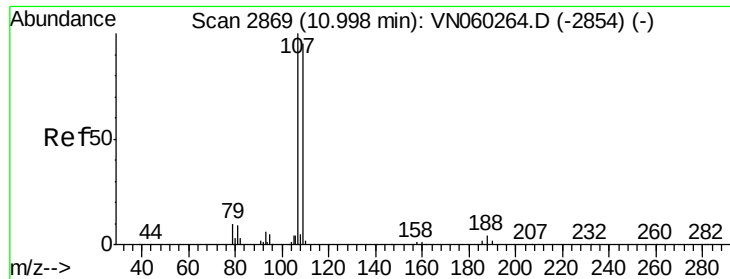
MMDadoda
3/16/2020 11:49:37 AM



#60
Dibromochloromethane
Concen: 54.171 ug/l
RT: 10.89 min Scan# 2835
Delta R.T. -0.00 min
Lab File: VN060464.D
Acq: 12 Mar 2020 8:56

Tgt Ion	Ratio	Lower	Upper
129	100		
127	76.0	38.9	116.7





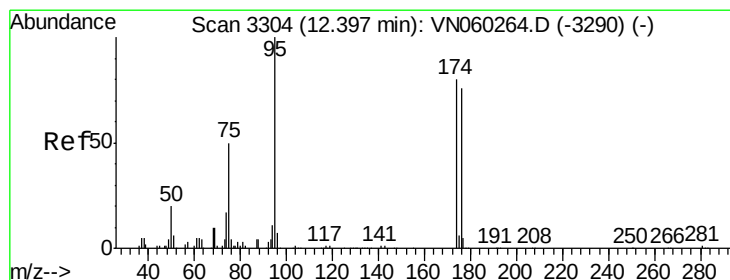
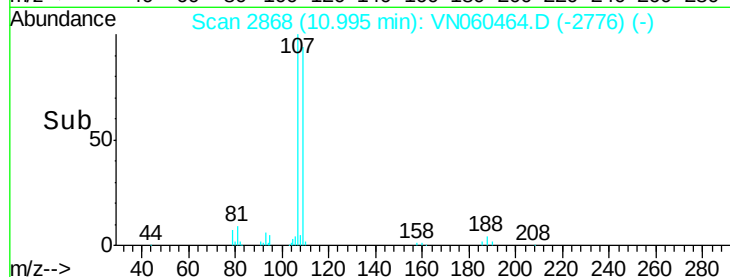
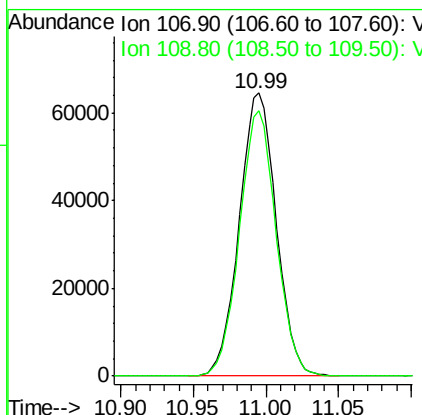
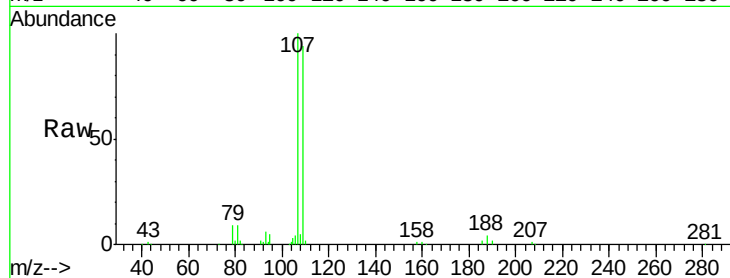
#61
 1,2-Dibromoethane
 Concen: 51.663 ug/l
 RT: 10.99 min Scan# 2868
 Delta R.T. -0.00 min
 Lab File: VN060464.D
 Acq: 12 Mar 2020 8:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	92.9	76.8	115.2

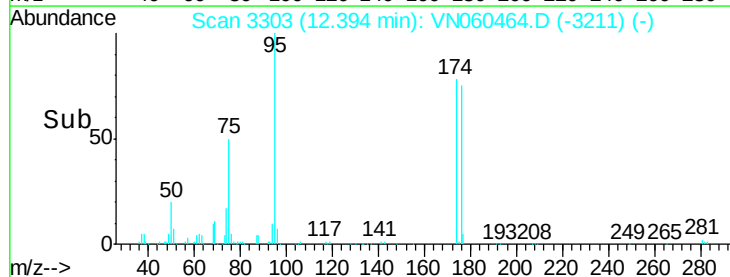
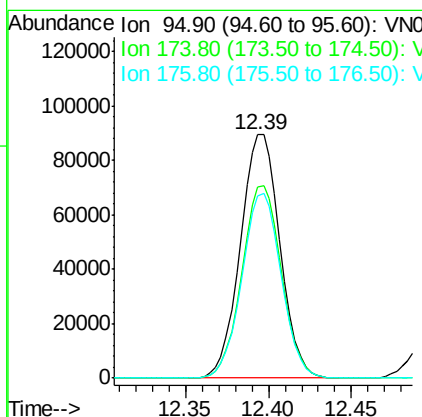
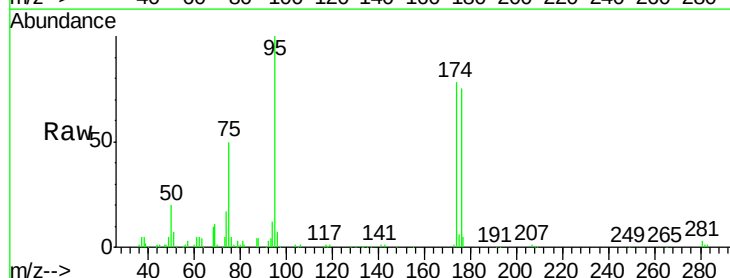
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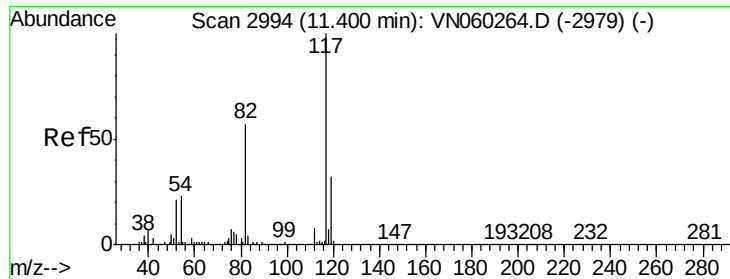
MMDadoda
 3/16/2020 11:49:37 AM



#62
 4-Bromofluorobenzene
 Concen: 51.490 ug/l
 RT: 12.39 min Scan# 3303
 Delta R.T. -0.00 min
 Lab File: VN060464.D
 Acq: 12 Mar 2020 8:56

Tgt Ion	Ratio	Lower	Upper
95	100		
174	79.0	0.0	159.2
176	75.6	0.0	153.8





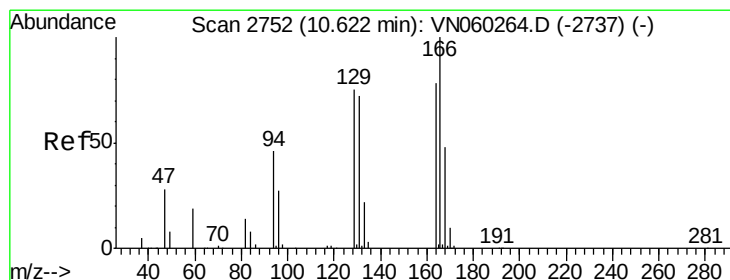
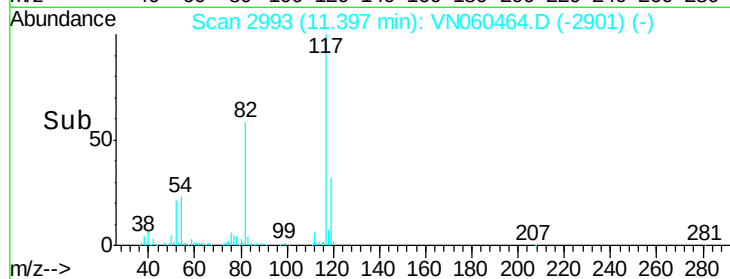
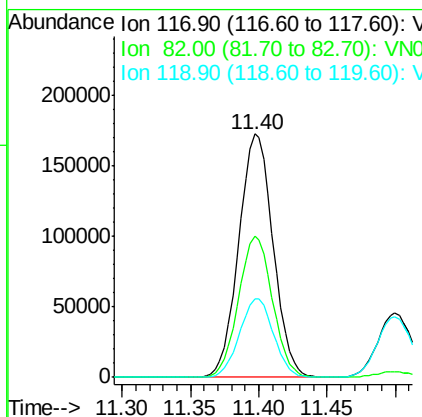
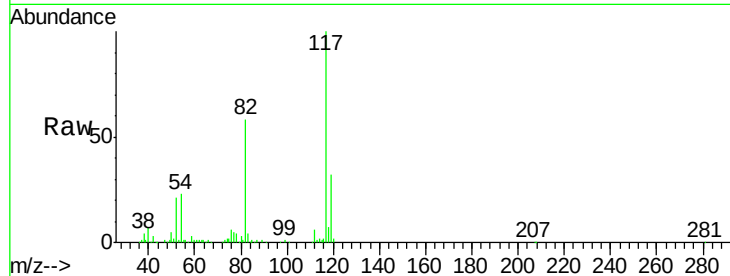
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2993
Delta R.T. -0.00 min
Lab File: VN060464.D
Acq: 12 Mar 2020 8:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp Lower	Upper
117	100		
82	58.0	45.8	68.6
119	32.1	25.8	38.8

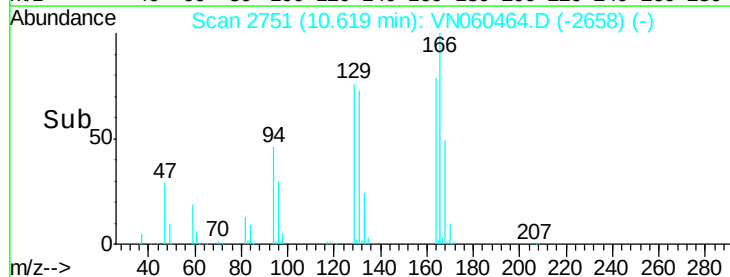
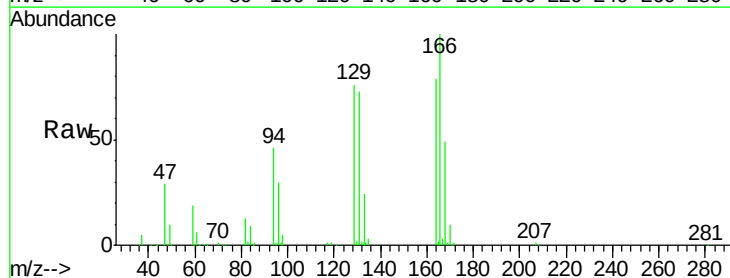
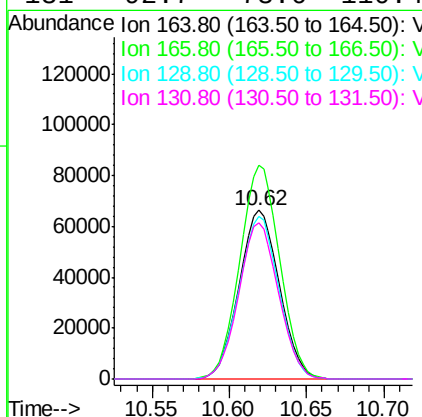
Manual Integrations
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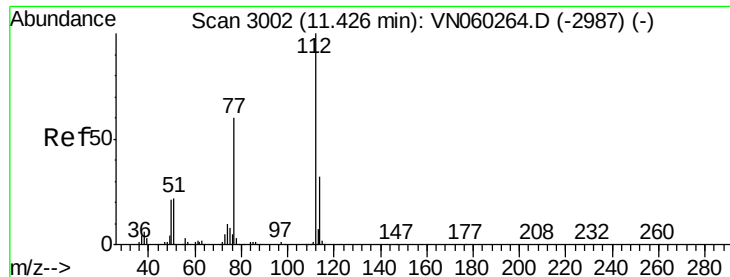
MMDadoda
3/16/2020 11:49:37 AM



#64
Tetrachloroethene
Concen: 50.581 ug/l
RT: 10.62 min Scan# 2751
Delta R.T. -0.00 min
Lab File: VN060464.D
Acq: 12 Mar 2020 8:56

Tgt Ion	Ratio	Resp Lower	Upper
164	100		
166	126.5	102.0	153.0
129	96.2	76.4	114.6
131	92.7	73.6	110.4





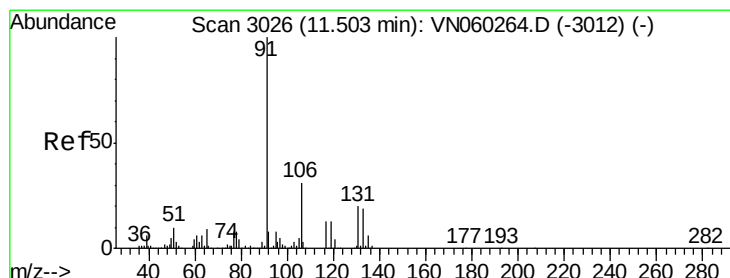
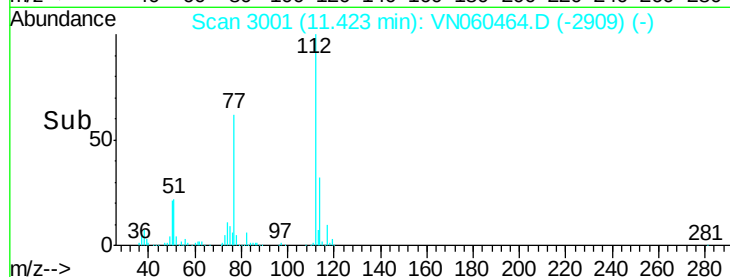
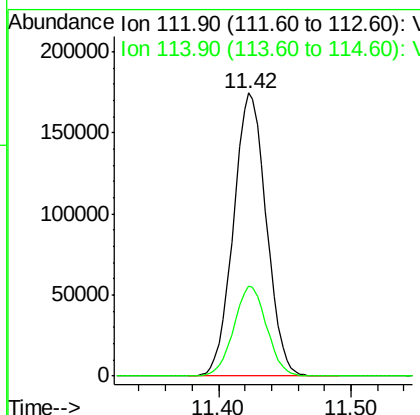
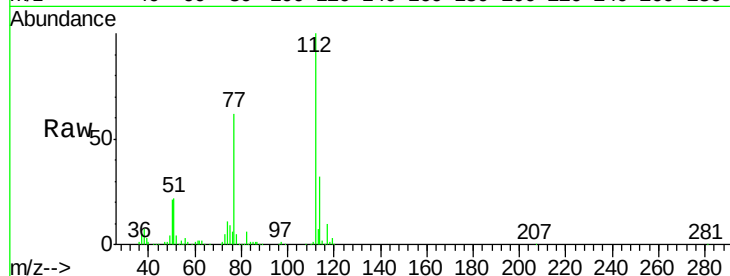
#65
Chlorobenzene
Concen: 49.143 ug/l
RT: 11.42 min Scan# 3001
Delta R.T. -0.00 min
Lab File: VN060464.D
Acq: 12 Mar 2020 8:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.6	25.4	38.0

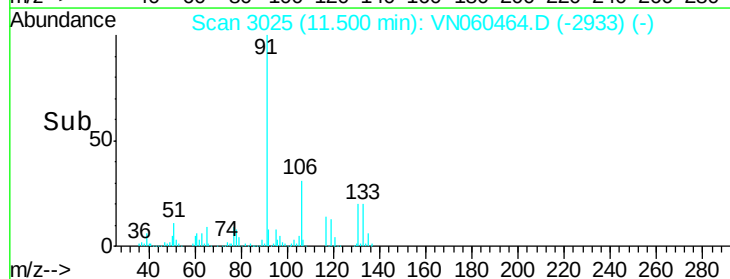
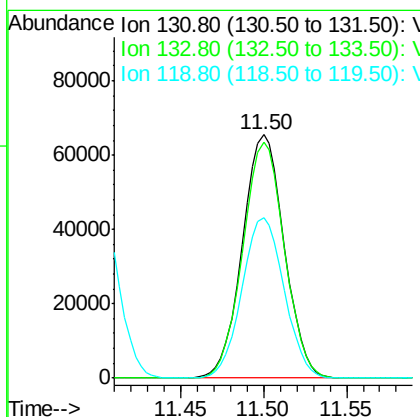
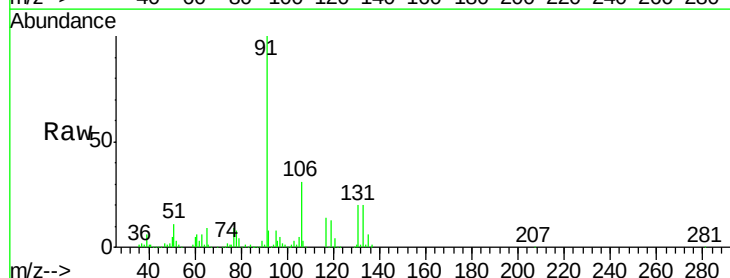
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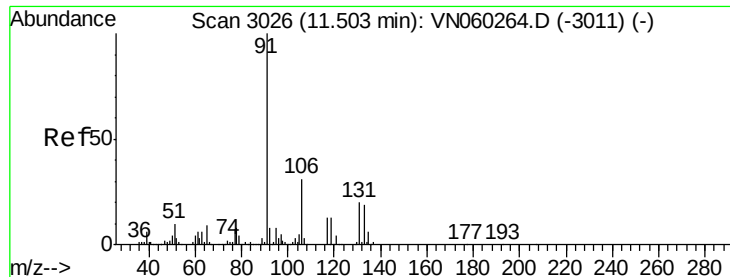
MMDadoda
3/16/2020 11:49:37 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 50.748 ug/l
RT: 11.50 min Scan# 3025
Delta R.T. -0.00 min
Lab File: VN060464.D
Acq: 12 Mar 2020 8:56

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.7	47.7	143.1
119	66.7	33.2	99.6





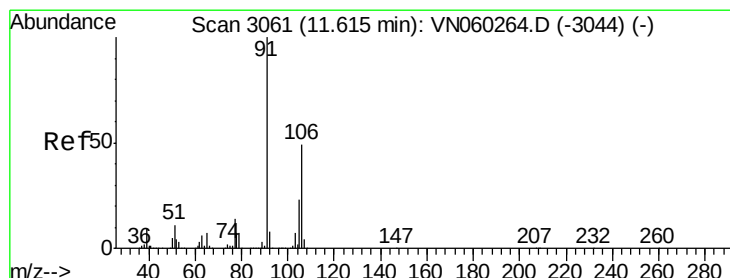
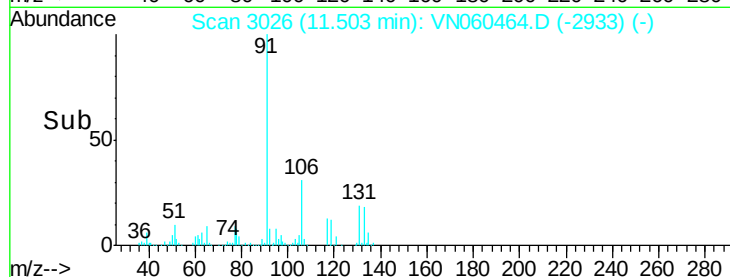
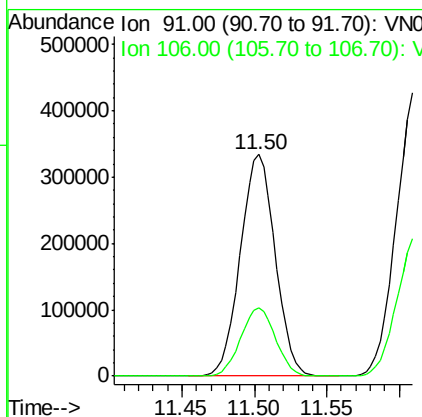
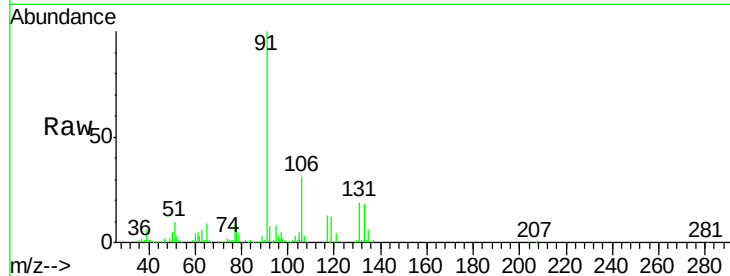
#67
Ethyl Benzene
Concen: 50.187 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. 0.00 min
Lab File: VN060464.D
Acq: 12 Mar 2020 8:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 558033
Ion Ratio Lower Upper
91 100
106 30.6 24.7 37.1

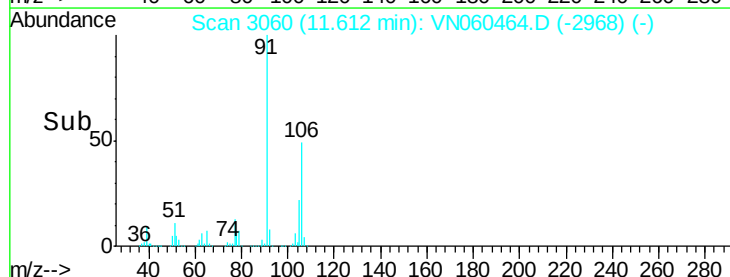
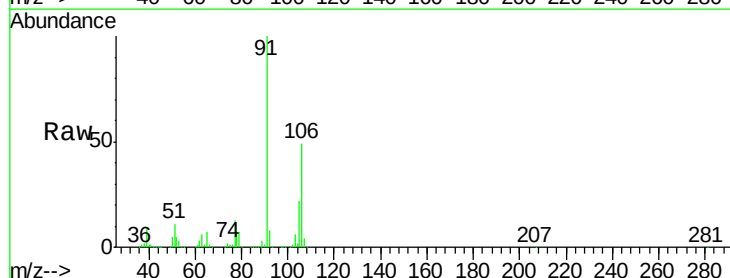
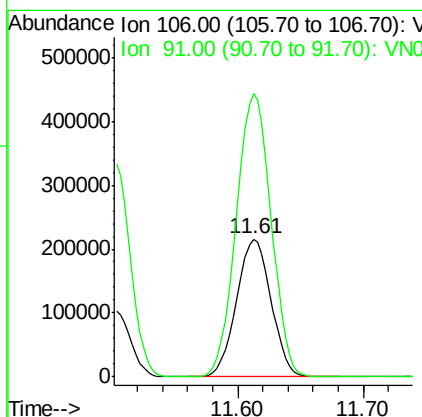
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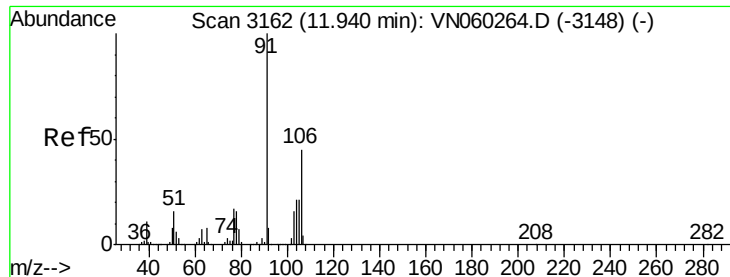
MMDadoda
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#68
m/p-Xylenes
Concen: 98.218 ug/l
RT: 11.61 min Scan# 3060
Delta R.T. -0.00 min
Lab File: VN060464.D
Acq: 12 Mar 2020 8:56

Tgt Ion: 106 Resp: 412031
Ion Ratio Lower Upper
106 100
91 207.5 164.5 246.7





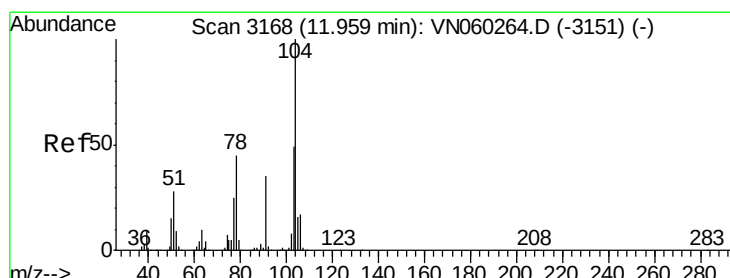
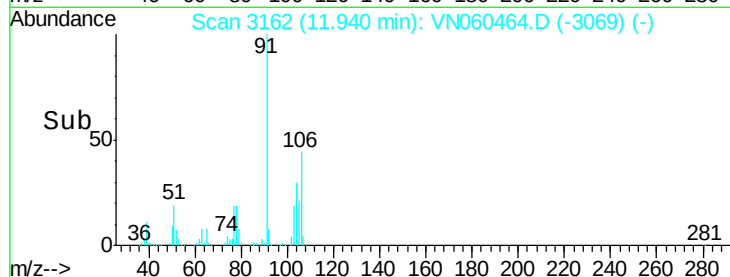
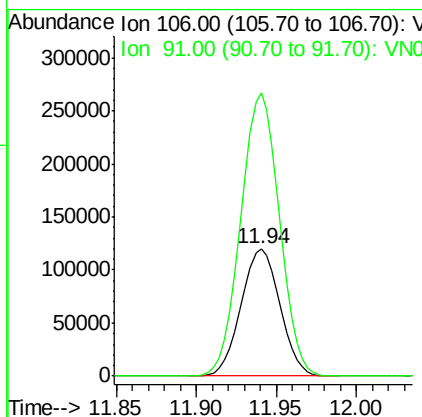
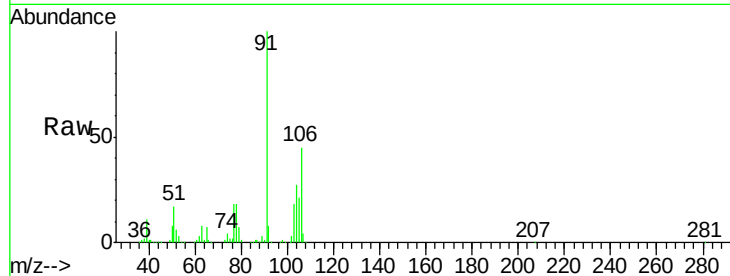
#69
o-Xylene
Concen: 49.580 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. 0.00 min
Lab File: VN060464.D
Acq: 12 Mar 2020 8:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		198339		
91	221.6	109.5	328.4		

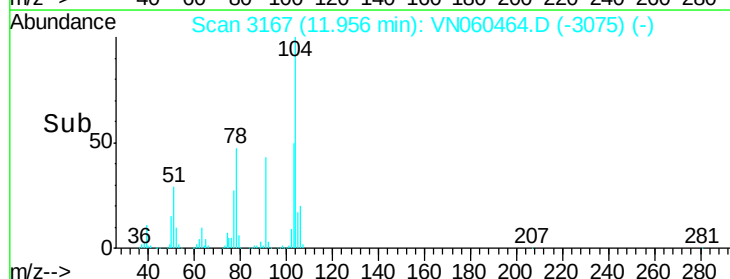
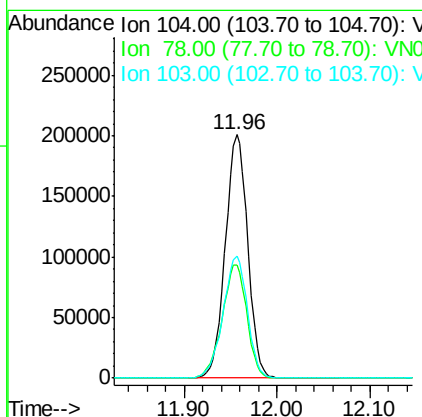
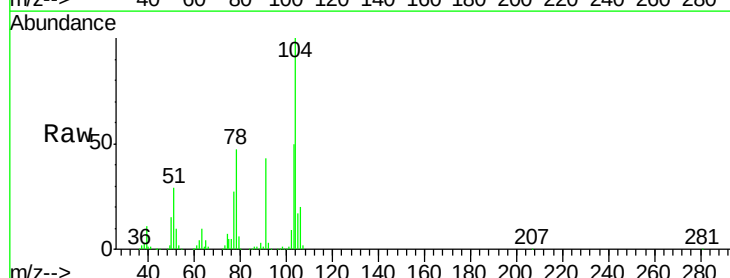
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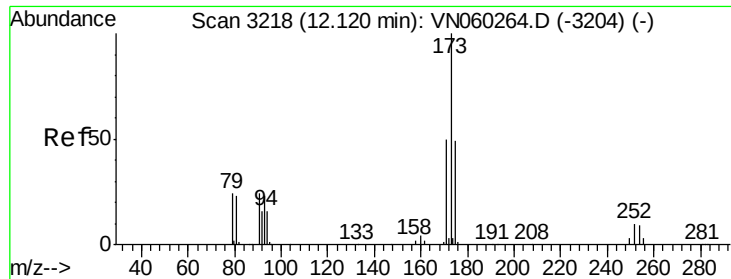
MMDadoda
3/16/2020 11:49:37 AM



#70
Styrene
Concen: 51.255 ug/l
RT: 11.96 min Scan# 3167
Delta R.T. -0.00 min
Lab File: VN060464.D
Acq: 12 Mar 2020 8:56

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		337113		
78	51.3	41.2	61.8		
103	54.6	43.9	65.9		





#71

Bromoform

Concen: 54.016 ug/l

RT: 12.12 min Scan# 3218

Delta R.T. 0.00 min

Lab File: VN060464.D

Acq: 12 Mar 2020 8:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 87885

Ion Ratio Lower Upper

173 100

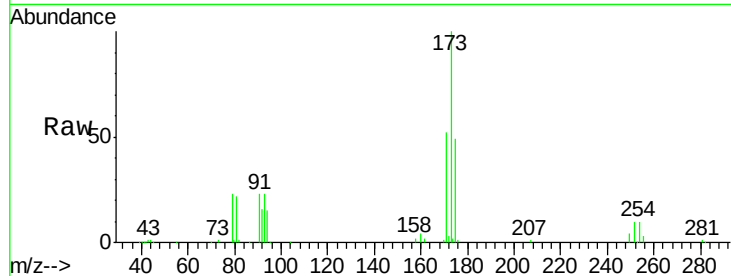
175 49.5 24.1 72.2

254 0.0 0.0 0.0

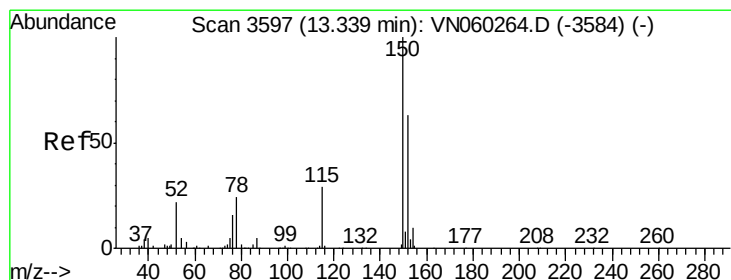
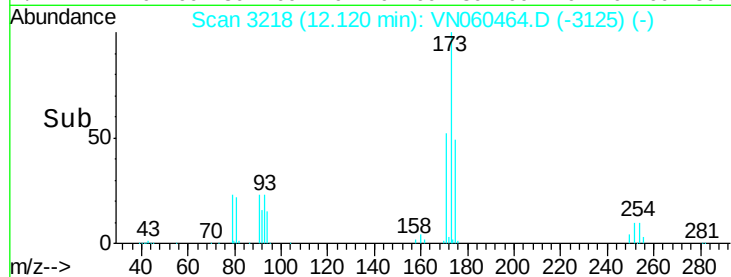
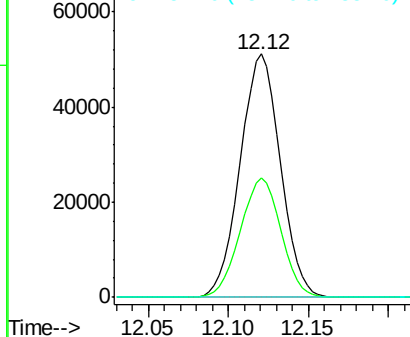
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3597

Delta R.T. 0.00 min

Lab File: VN060464.D

Acq: 12 Mar 2020 8:56

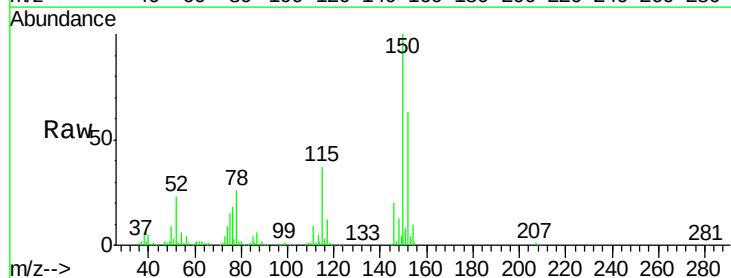
Tgt Ion:152 Resp: 148183

Ion Ratio Lower Upper

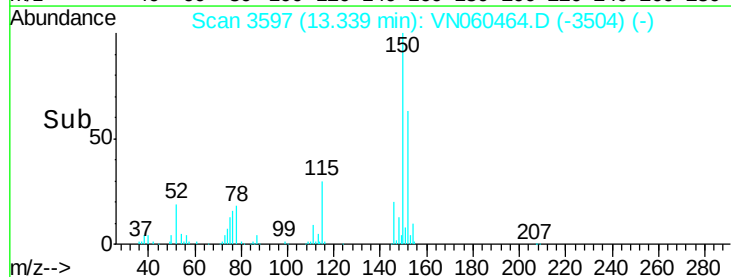
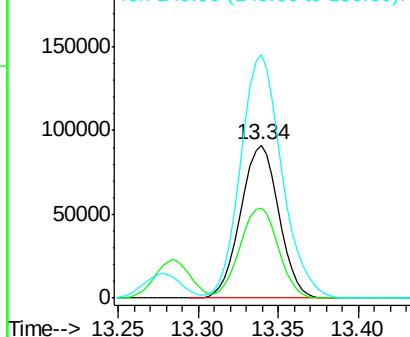
152 100

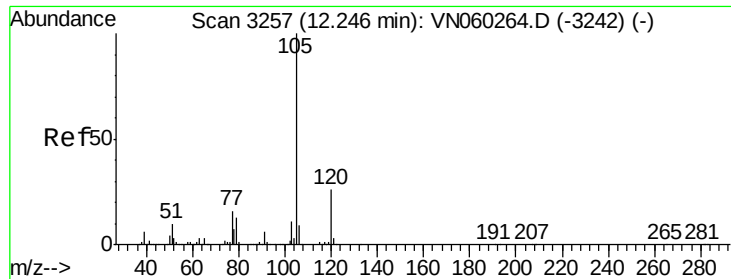
115 59.7 30.0 90.0

150 172.3 0.0 349.6



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





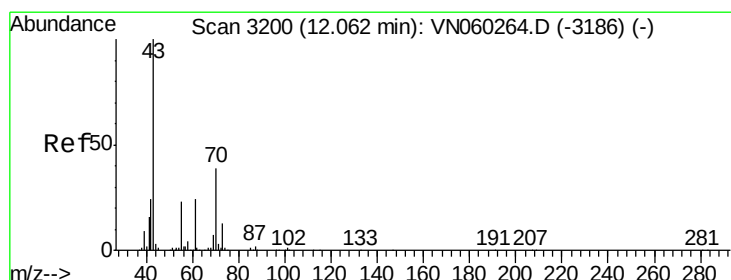
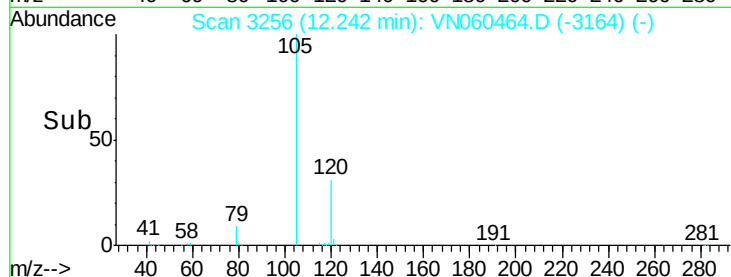
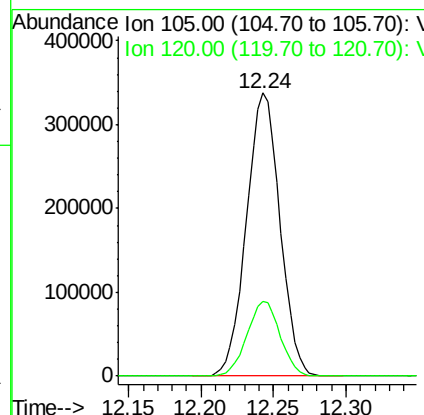
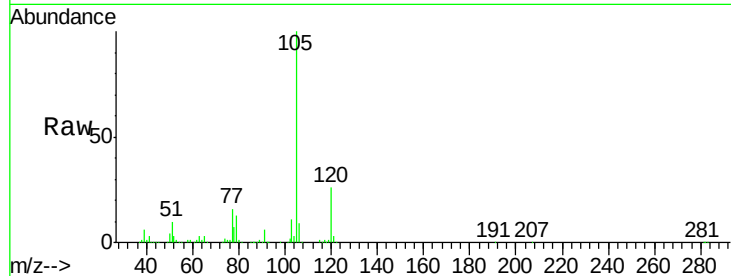
#73
Isopropylbenzene
Concen: 49.475 ug/l
RT: 12.24 min Scan# 3256
Delta R.T. -0.00 min
Lab File: VN060464.D
Acq: 12 Mar 2020 8:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.2	13.0	38.9

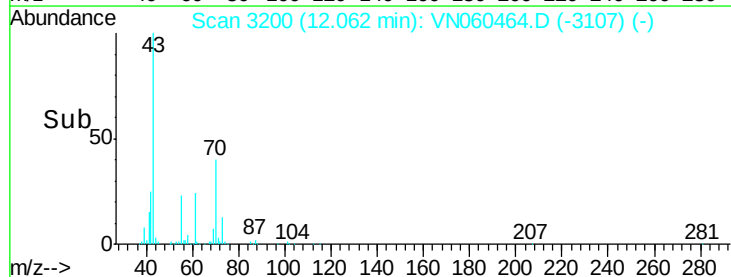
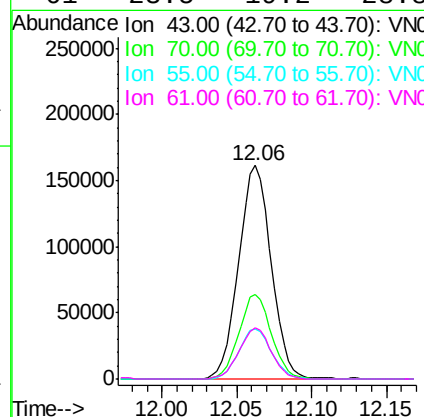
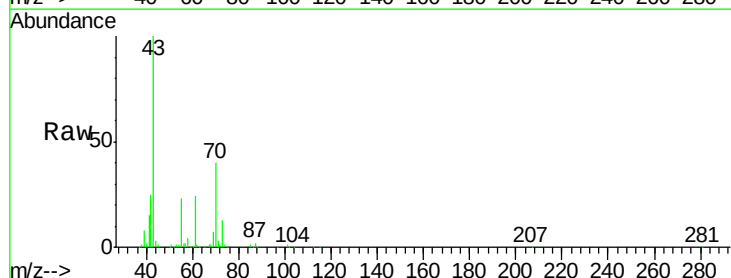
Manual Integrations
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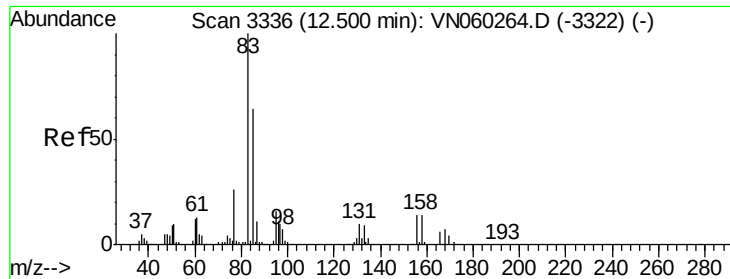
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#74
N-ethyl acetate
Concen: 50.766 ug/l
RT: 12.06 min Scan# 3200
Delta R.T. 0.00 min
Lab File: VN060464.D
Acq: 12 Mar 2020 8:56

Tgt Ion	Ratio	Lower	Upper
43	100		
70	39.6	32.2	48.2
55	23.7	18.2	27.4
61	23.5	19.2	28.8





#75

1,1,2,2-Tetrachloroethane

Concen: 53.294 ug/l

RT: 12.50 min Scan# 3335

Delta R.T. -0.00 min

Lab File: VN060464.D

Acq: 12 Mar 2020 8:56

Instrument :

MSVOA_N

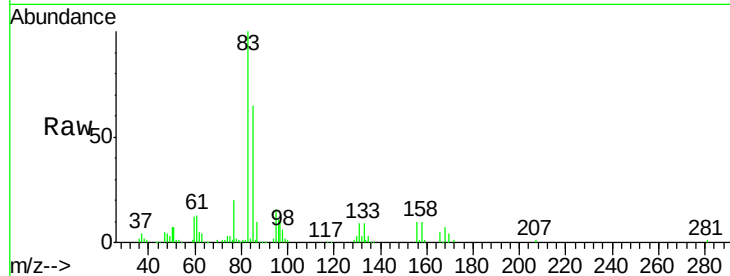
ClientSampleId :

VSTDCCC050

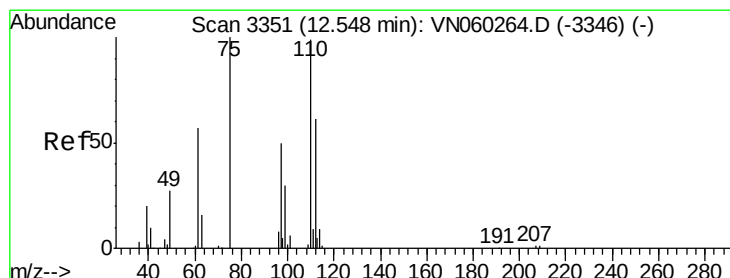
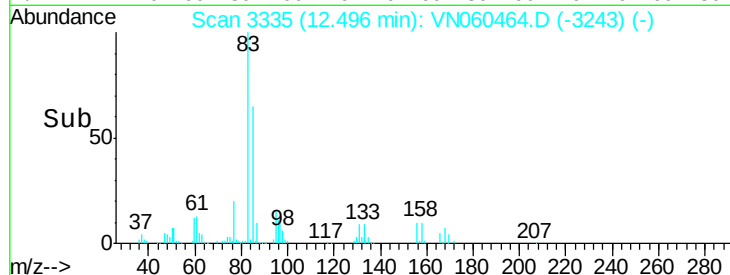
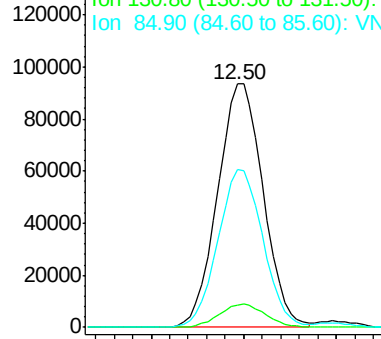
Tot Ion:	83	Resp:	159110
Ion Ratio	Lower	Upper	
83	100		
131	9.7	5.1	15.3
85	63.9	32.3	96.8

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VN060464.D (-3322) (-)



#76

1,2,3-Trichloropropane

Concen: 48.625 ug/l m

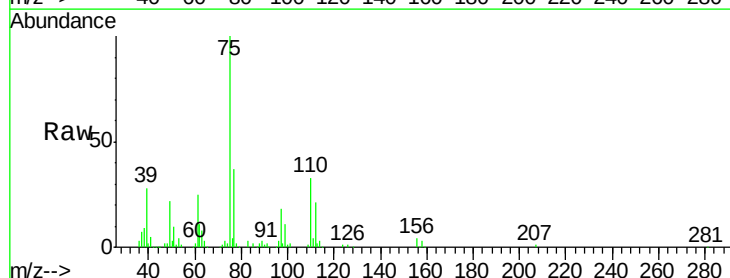
RT: 12.55 min Scan# 3351

Delta R.T. 0.00 min

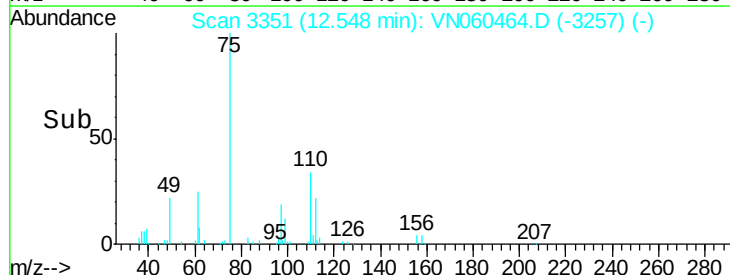
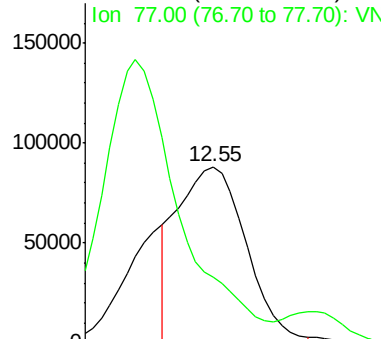
Lab File: VN060464.D

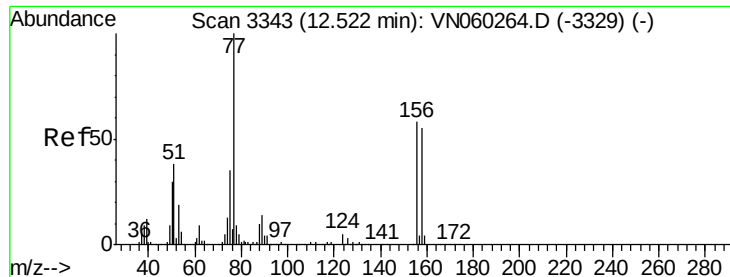
Acq: 12 Mar 2020 8:56

Tgt Ion:	75	Resp:	158087
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VN060464.D (-3346) (-)





#77

Bromobenzene

Concen: 48.566 ug/l

RT: 12.52 min Scan# 3342

Delta R.T. -0.00 min

Lab File: VN060464.D

Acq: 12 Mar 2020 8:56

Instrument :

MSVOA_N

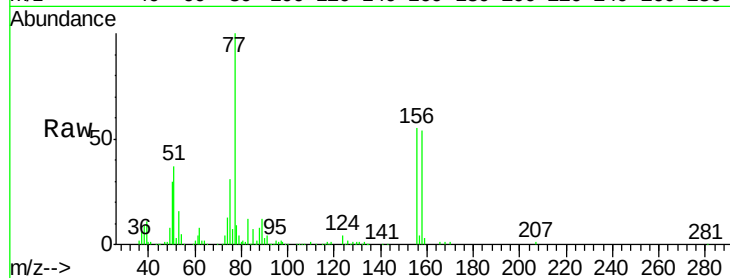
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	130751
Ion Ratio	Lower	Upper	
156	100		
77	219.4	106.1	318.3
158	98.1	48.3	144.8

Manual Integrations
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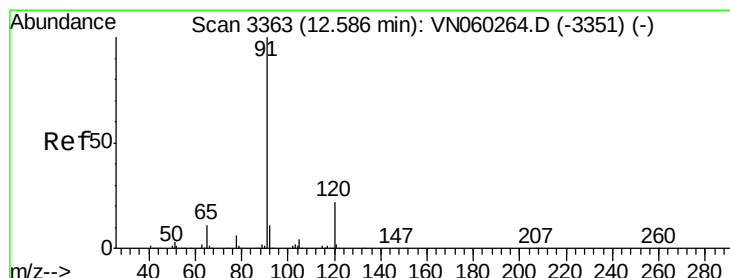
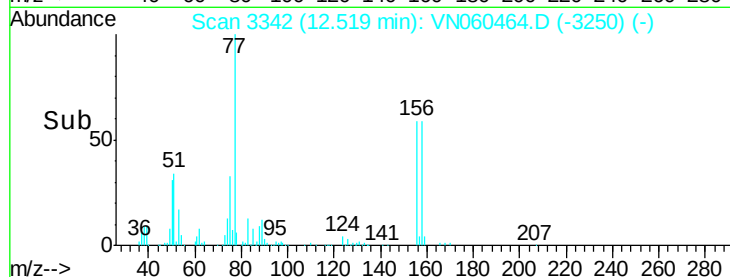
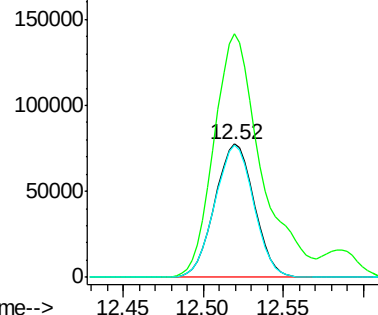
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 49.977 ug/l

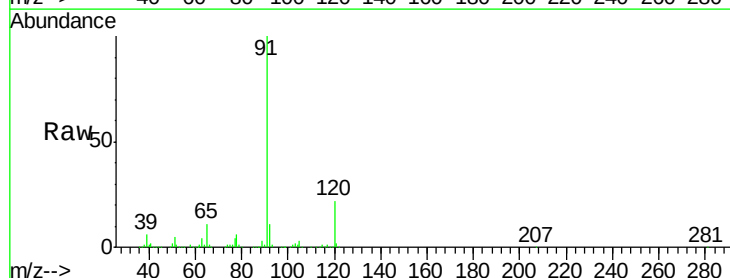
RT: 12.58 min Scan# 3362

Delta R.T. -0.00 min

Lab File: VN060464.D

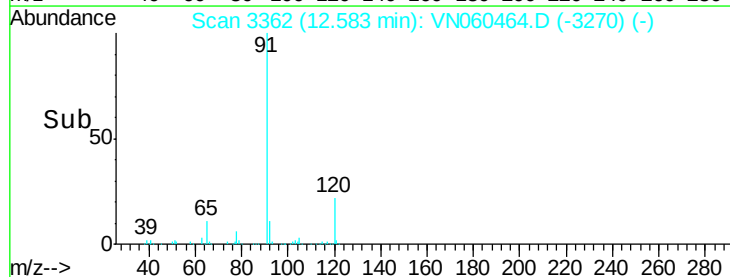
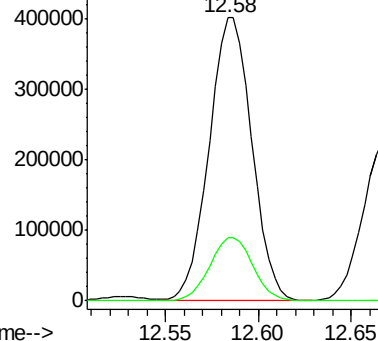
Acq: 12 Mar 2020 8:56

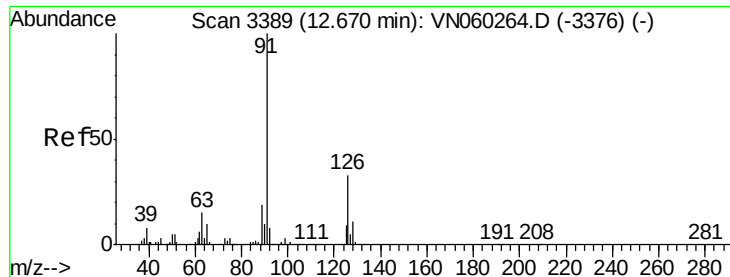
Tgt Ion:	91	Resp:	643415
Ion Ratio	Lower	Upper	
91	100		
120	22.5	11.3	33.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





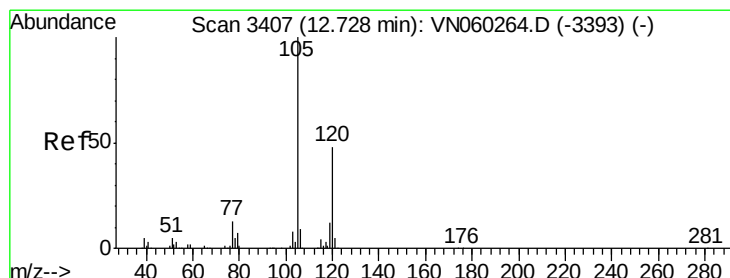
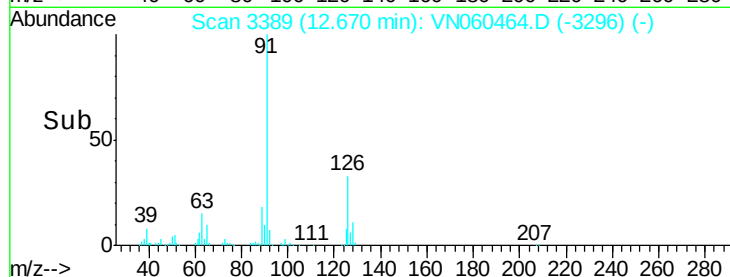
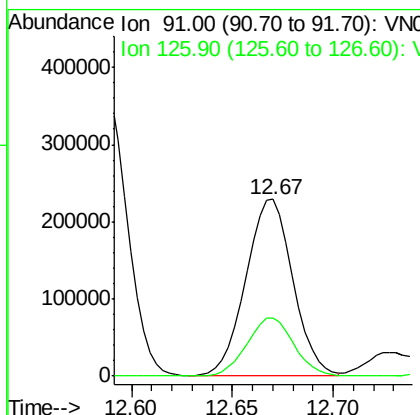
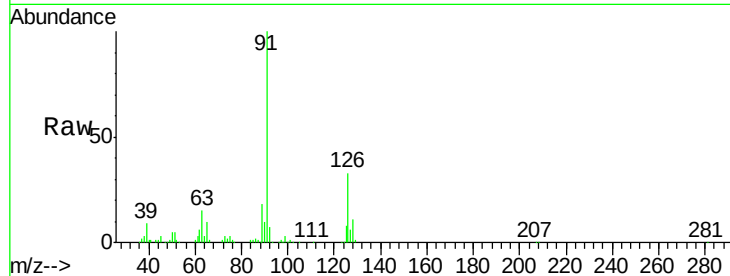
#79
 2-Chlorotoluene
 Concen: 49.305 ug/l
 RT: 12.67 min Scan# 3389
 Delta R.T. 0.00 min
 Lab File: VN060464.D
 Acq: 12 Mar 2020 8:56

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
126	33.0	16.6	49.8

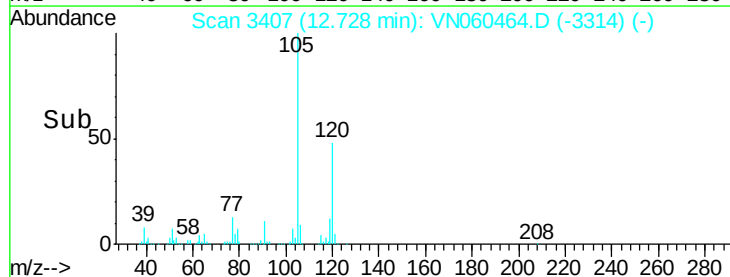
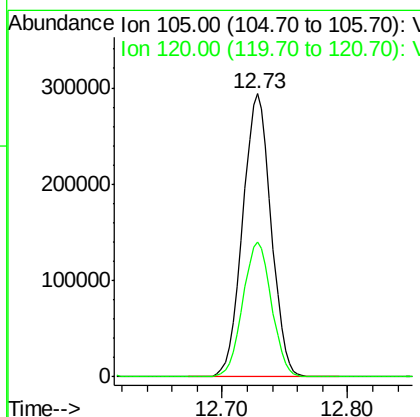
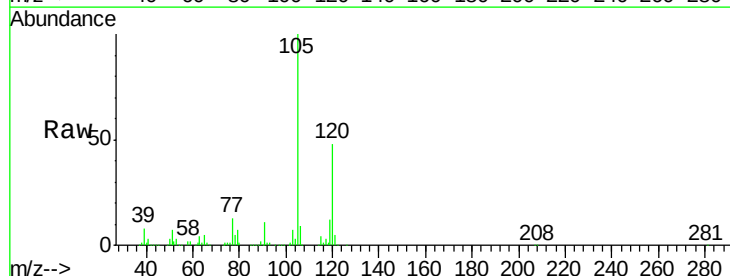
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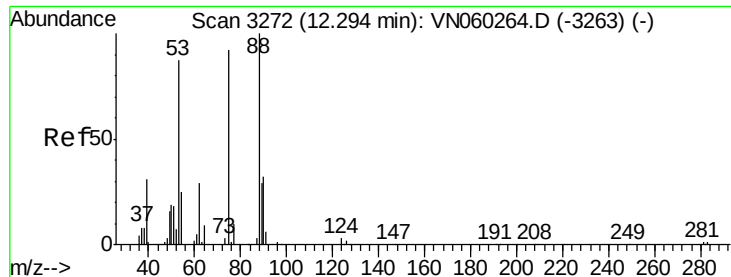
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#80
 1,3,5-Trimethylbenzene
 Concen: 49.899 ug/l
 RT: 12.73 min Scan# 3407
 Delta R.T. 0.00 min
 Lab File: VN060464.D
 Acq: 12 Mar 2020 8:56

Tgt Ion	Ratio	Lower	Upper
105	100		
120	48.1	24.1	72.4





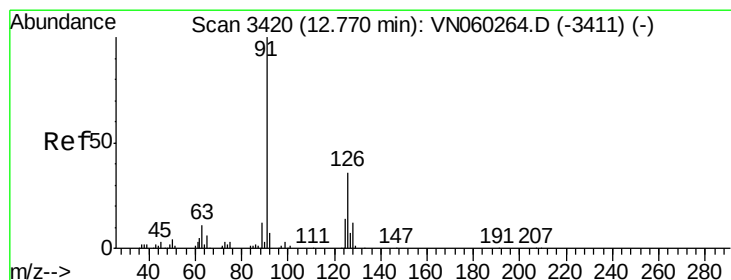
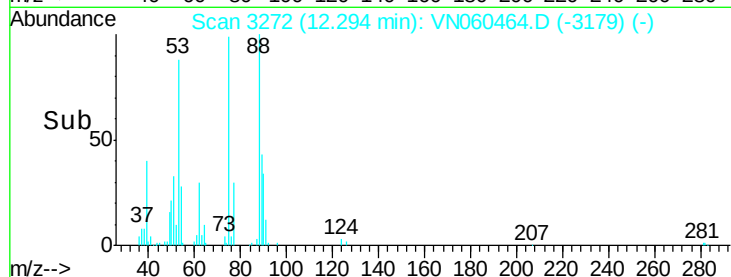
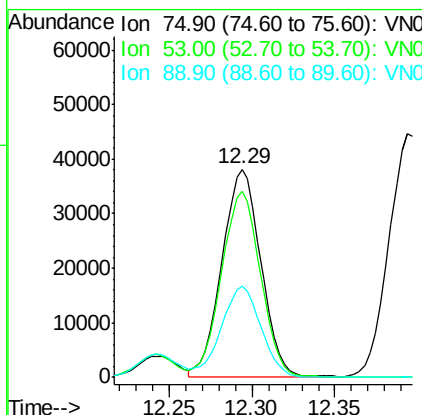
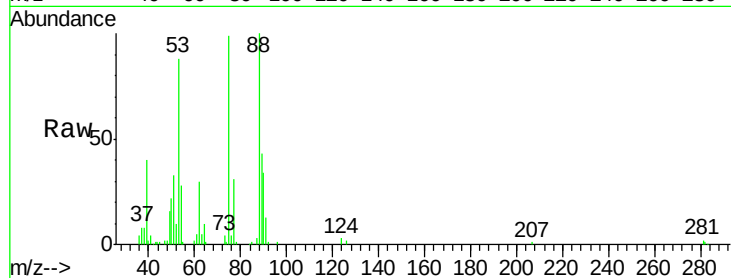
#81
trans-1,4-Dichloro-2-butene
Concen: 53.032 ug/l
RT: 12.29 min Scan# 3272
Delta R.T. 0.00 min
Lab File: VN060464.D
Acq: 12 Mar 2020 8:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	89.9	73.8	110.6
89	44.0	57.1	85.7#

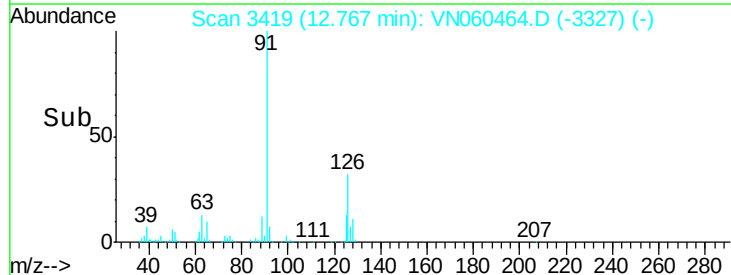
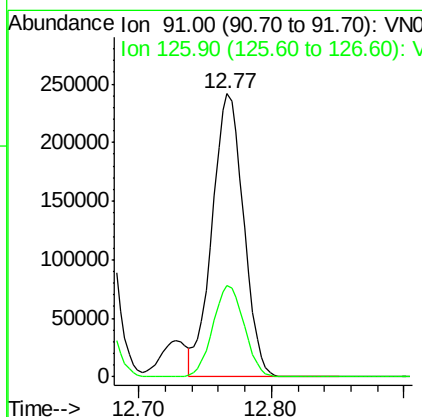
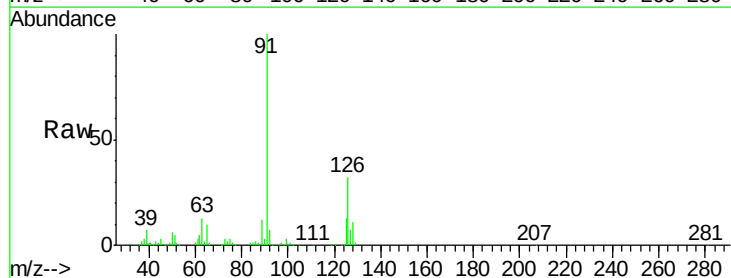
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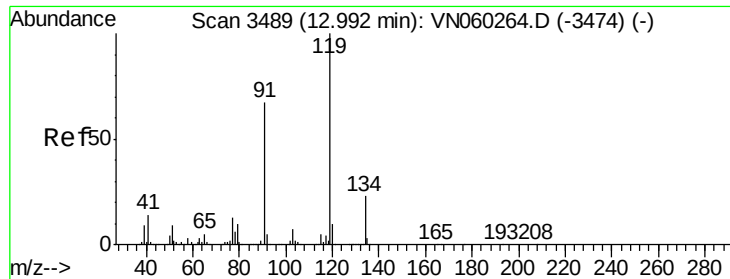
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#82
4-Chlorotoluene
Concen: 49.868 ug/l
RT: 12.77 min Scan# 3419
Delta R.T. -0.00 min
Lab File: VN060464.D
Acq: 12 Mar 2020 8:56

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.2	16.7	50.1





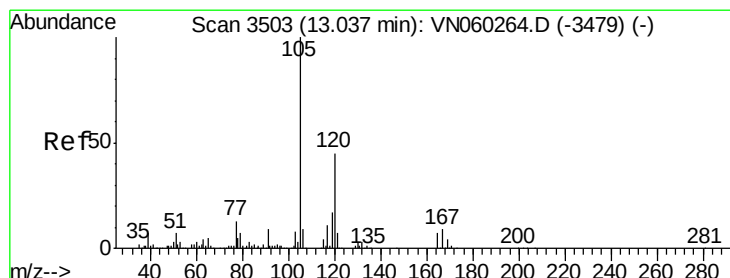
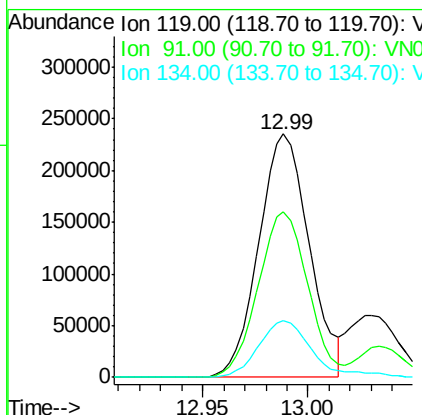
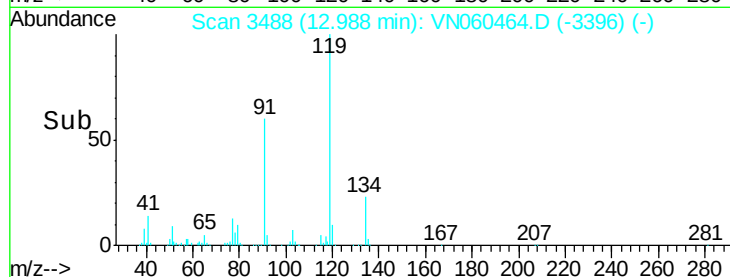
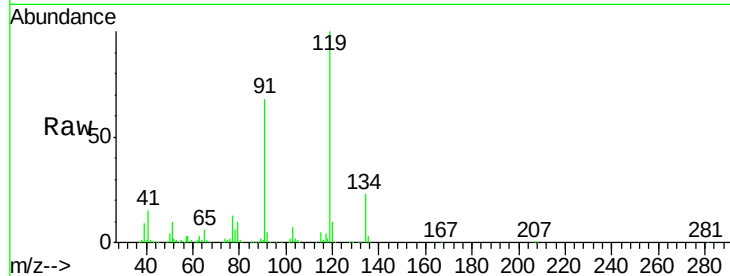
#83
 tert-Butylbenzene
 Concen: 49.034 ug/l
 RT: 12.99 min Scan# 3488
 Delta R.T. -0.00 min
 Lab File: VN060464.D
 Acq: 12 Mar 2020 8:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	392580		
91	67.1		33.1	99.2
134	24.8		12.4	37.0

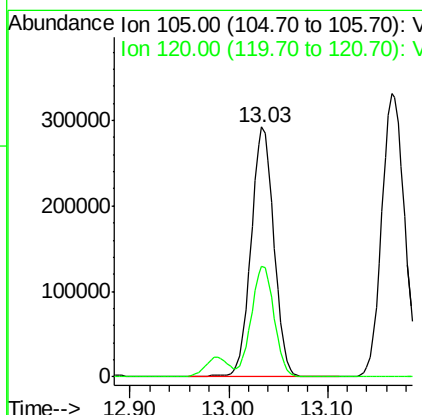
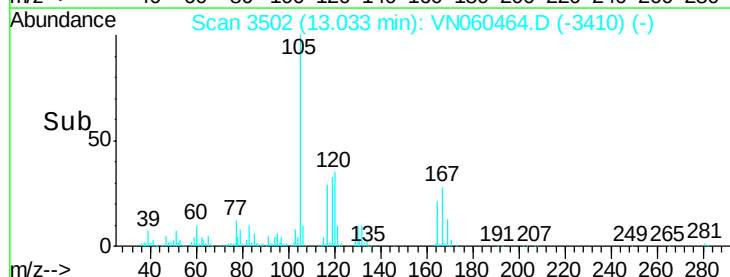
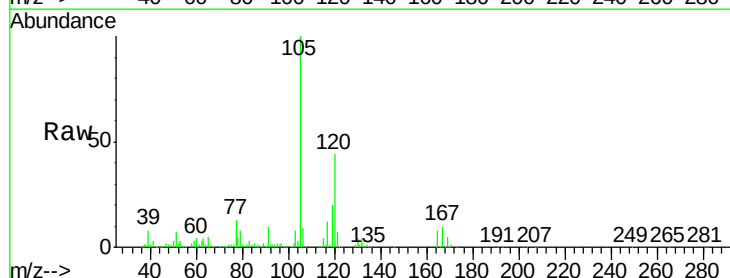
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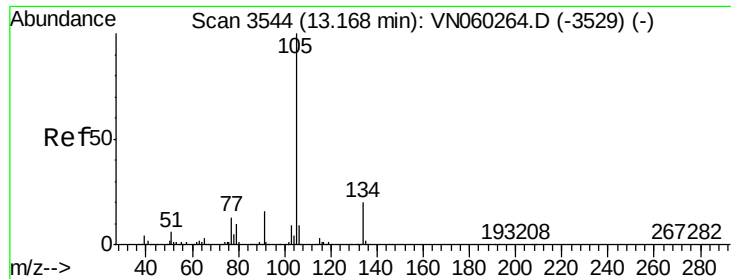
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#84
 1,2,4-Trimethylbenzene
 Concen: 49.770 ug/l
 RT: 13.03 min Scan# 3502
 Delta R.T. -0.00 min
 Lab File: VN060464.D
 Acq: 12 Mar 2020 8:56

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	464537		
120	44.0		22.3	66.9





#85

sec-Butylbenzene

Concen: 49.677 ug/l

RT: 13.17 min Scan# 3543

Delta R.T. -0.00 min

Lab File: VN060464.D

Acq: 12 Mar 2020 8:56

Instrument :

MSVOA_N

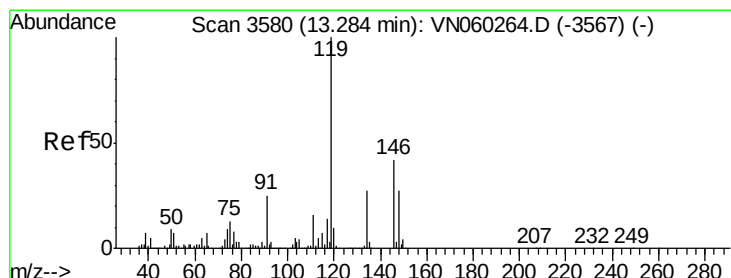
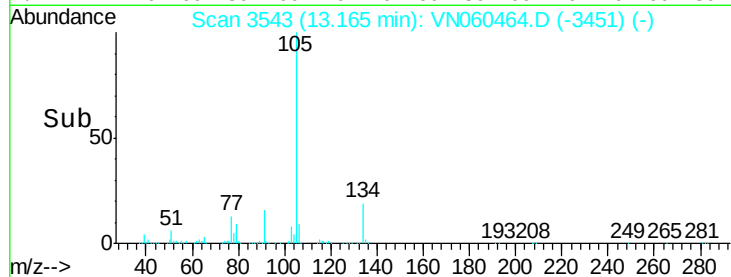
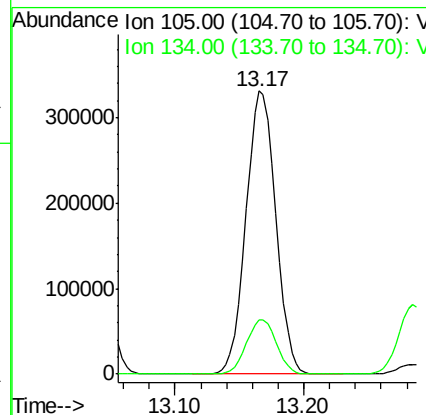
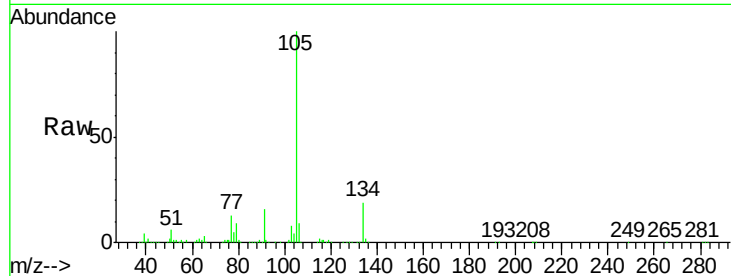
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.4	9.8	29.5

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#86

p-Isopropyltoluene

Concen: 48.629 ug/l

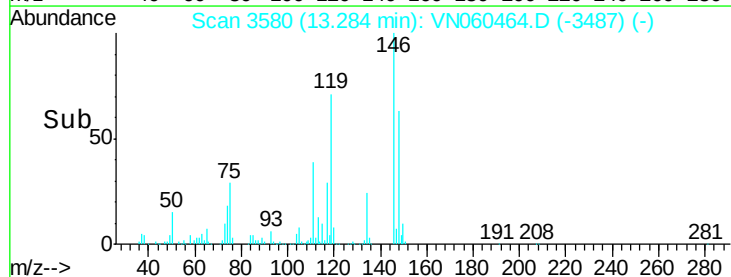
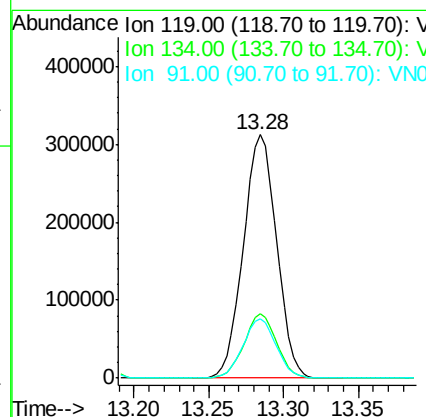
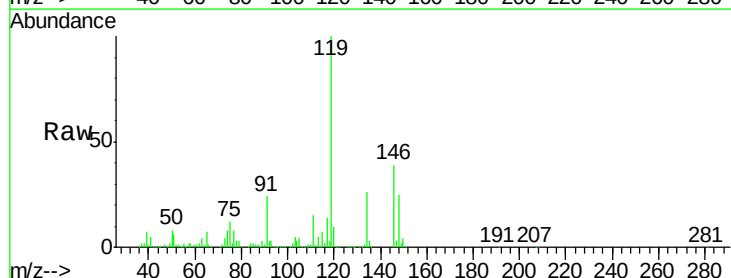
RT: 13.28 min Scan# 3580

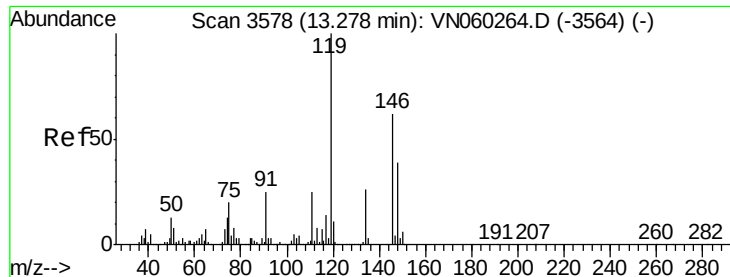
Delta R.T. 0.00 min

Lab File: VN060464.D

Acq: 12 Mar 2020 8:56

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.9	13.2	39.6
91	24.3	12.2	36.6





#87

1,3-Dichlorobenzene

Concen: 51.843 ug/l

RT: 13.28 min Scan# 3578

Delta R.T. 0.00 min

Lab File: VN060464.D

Acq: 12 Mar 2020 8:56

Instrument :

MSVOA_N

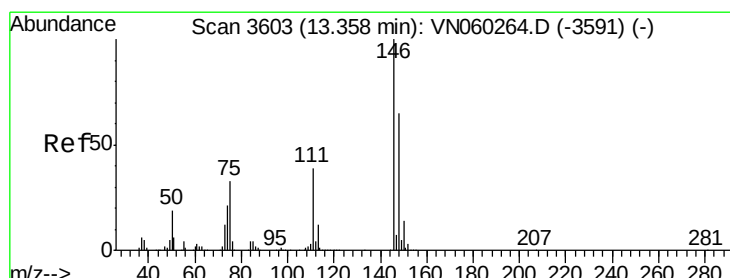
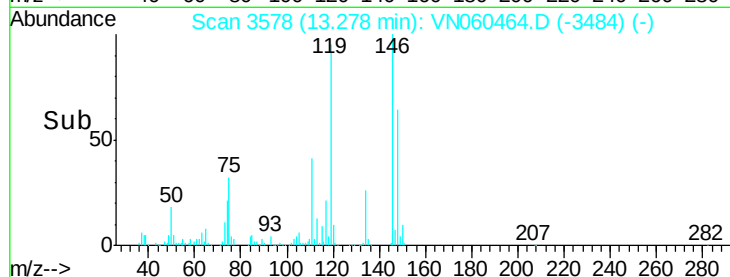
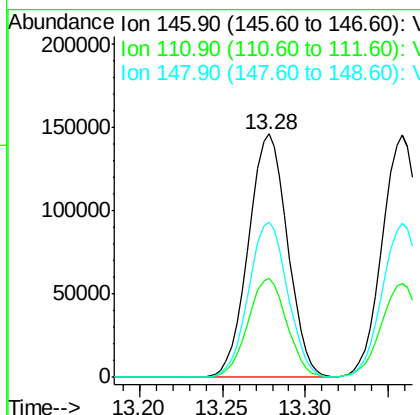
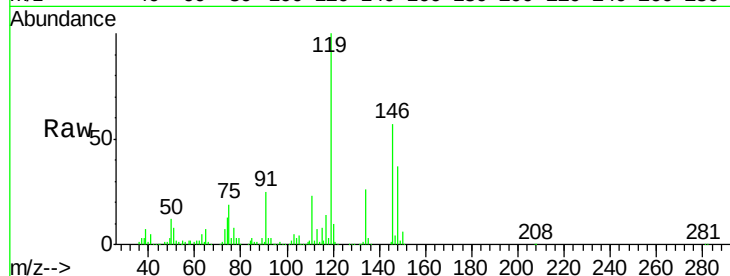
ClientSampled :

VSTDCCC050

Tot Ion:	146	Resp:	239798
Ion Ratio	Lower	Upper	
146	100		
111	40.5	20.0	59.9
148	63.7	32.1	96.3

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#88

1,4-Dichlorobenzene

Concen: 51.762 ug/l

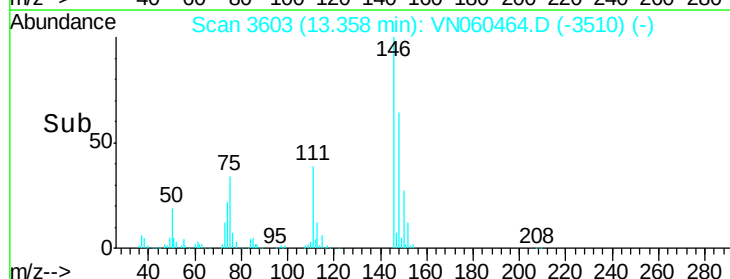
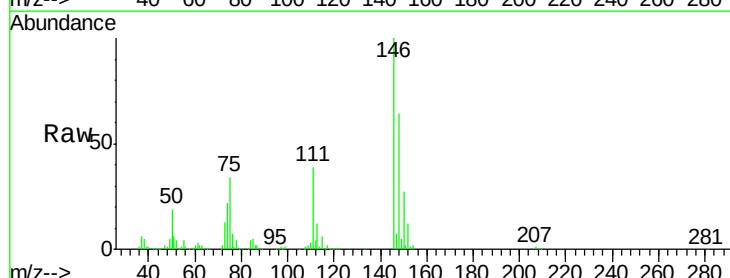
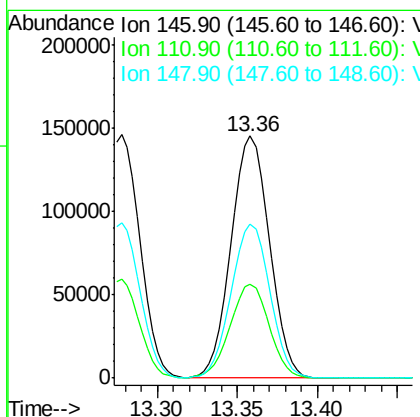
RT: 13.36 min Scan# 3603

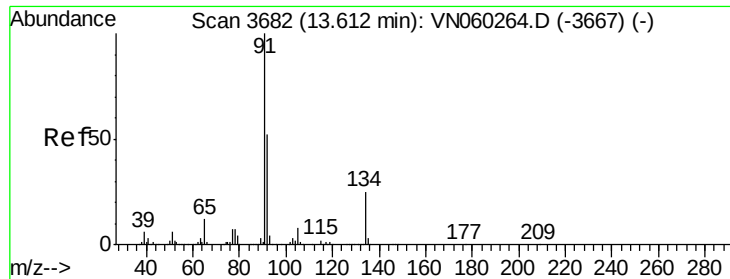
Delta R.T. 0.00 min

Lab File: VN060464.D

Acq: 12 Mar 2020 8:56

Tgt Ion:	146	Resp:	238045
Ion Ratio	Lower	Upper	
146	100		
111	39.5	19.8	59.4
148	64.0	32.3	96.9





#89

n-Butylbenzene

Concen: 49.092 ug/l

RT: 13.61 min Scan# 3681

Delta R.T. -0.00 min

Lab File: VN060464.D

Acq: 12 Mar 2020 8:56

Instrument :

MSVOA_N

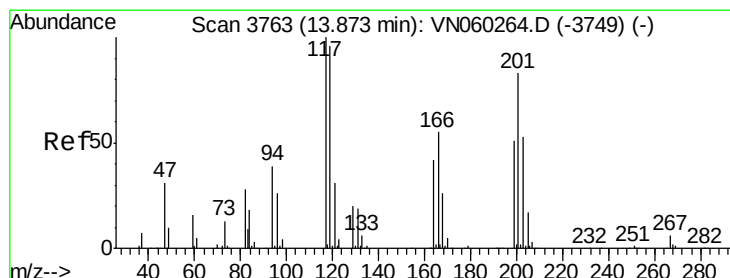
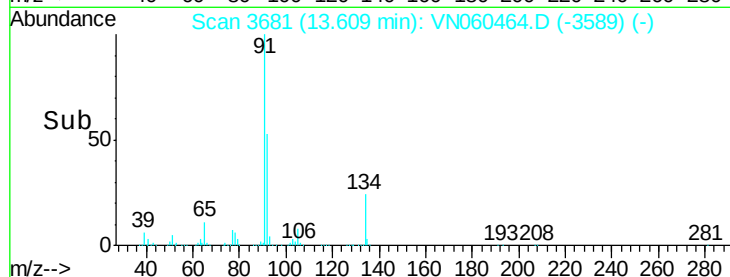
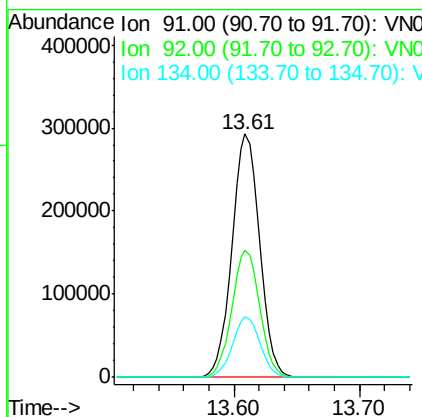
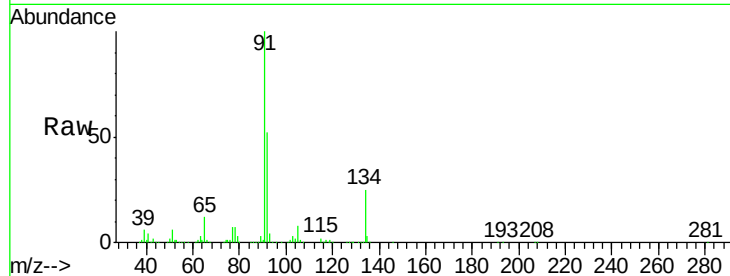
ClientSampleId :

VSTDCCC050

Tot Ion:	91	Resp:	447196
Ion Ratio	Lower	Upper	
91	100		
92	52.4	26.0	78.0
134	24.7	12.7	38.1

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#90

Hexachloroethane

Concen: 48.960 ug/l

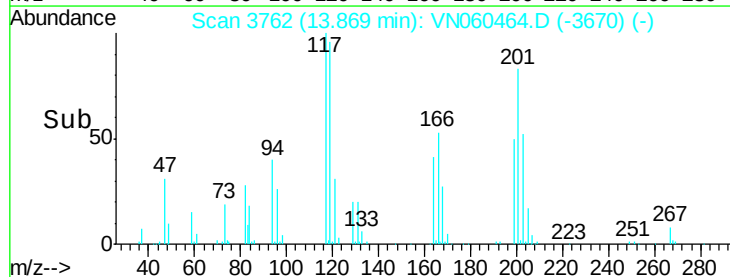
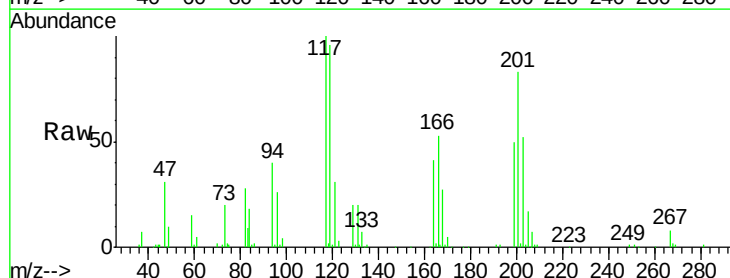
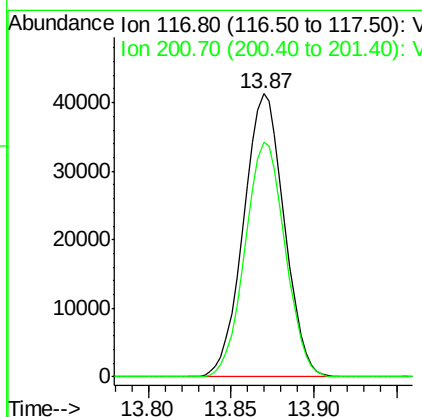
RT: 13.87 min Scan# 3762

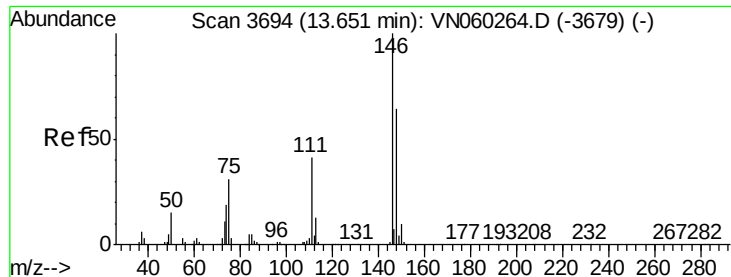
Delta R.T. -0.00 min

Lab File: VN060464.D

Acq: 12 Mar 2020 8:56

Tgt Ion:	117	Resp:	70324
Ion Ratio	Lower	Upper	
117	100		
201	81.6	41.0	123.0





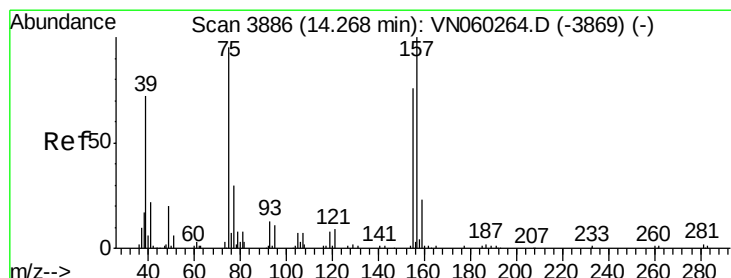
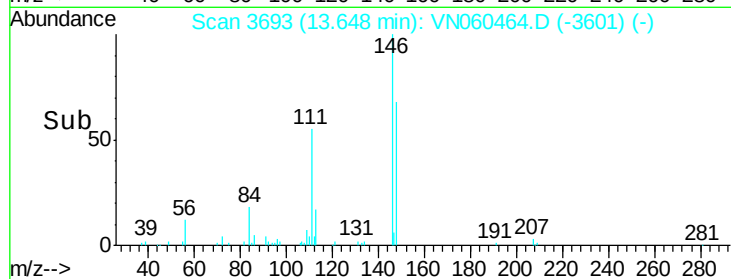
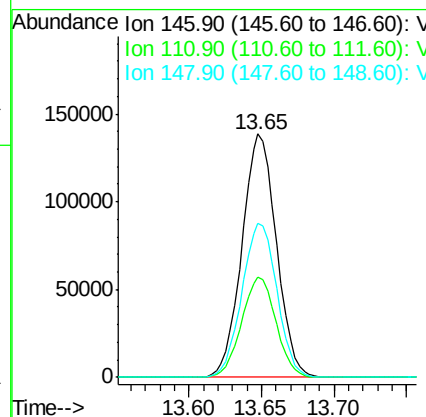
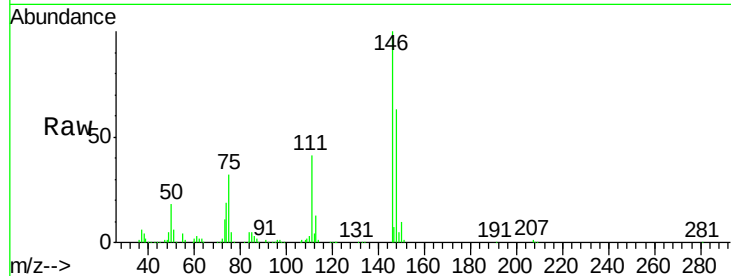
#91
 1,2-Dichlorobenzene
 Concen: 48.375 ug/l
 RT: 13.65 min Scan# 3693
 Delta R.T. -0.00 min
 Lab File: VN060464.D
 Acq: 12 Mar 2020 8:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	228208		
111	41.2	20.3	61.0	
148	64.5	31.8	95.3	

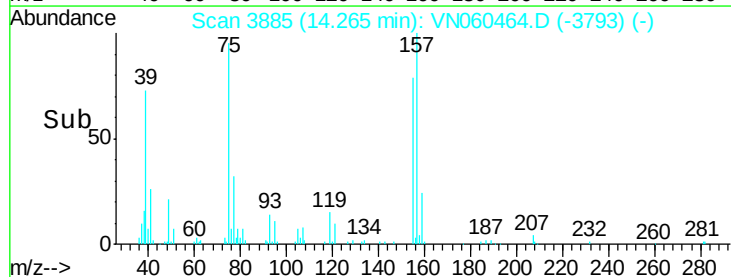
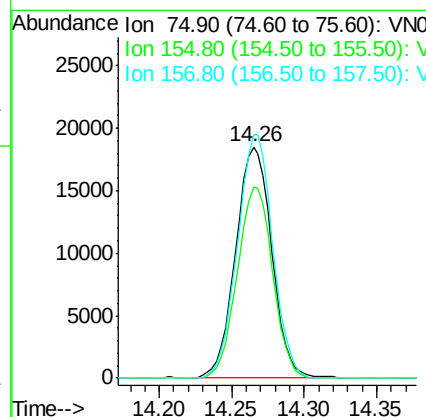
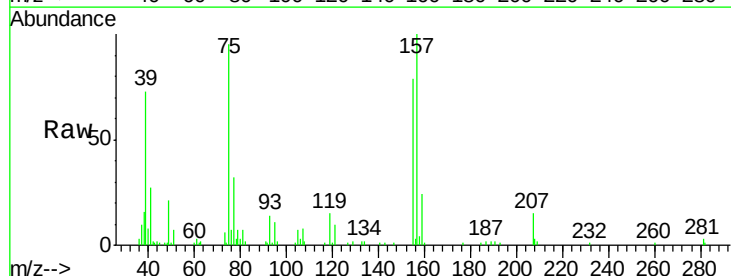
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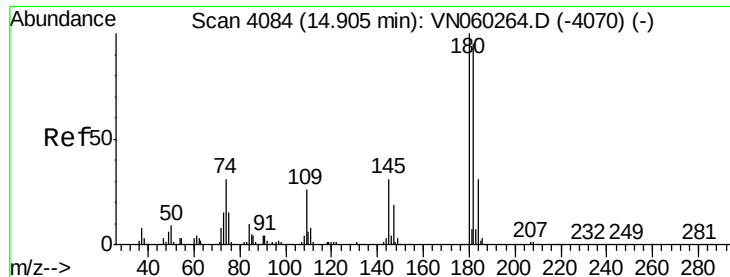
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 47.472 ug/l
 RT: 14.26 min Scan# 3885
 Delta R.T. -0.00 min
 Lab File: VN060464.D
 Acq: 12 Mar 2020 8:56

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	32095		
155	80.5	40.4	121.2	
157	102.3	52.5	157.5	





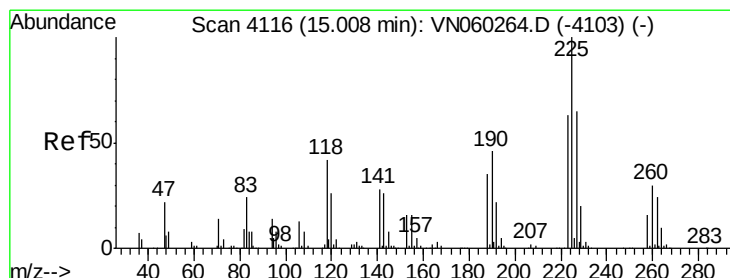
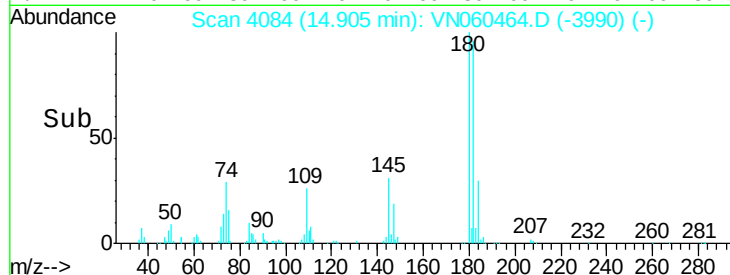
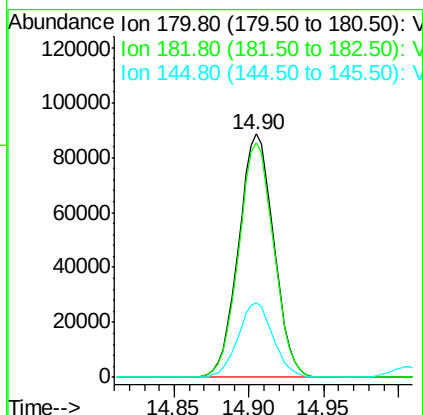
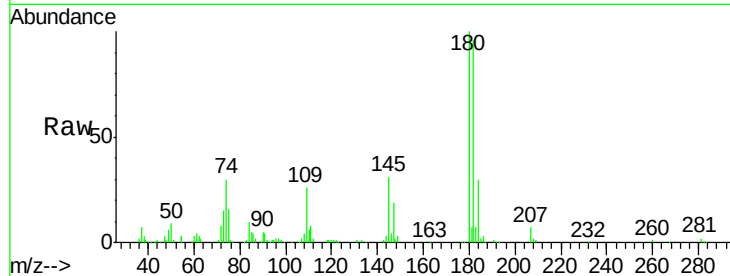
#93
1,2,4-Trichlorobenzene
Concen: 48.452 ug/l
RT: 14.90 min Scan# 4084
Delta R.T. 0.00 min
Lab File: VN060464.D
Acq: 12 Mar 2020 8:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	145230		
182	95.9	47.8	143.3	
145	30.4	15.4	46.1	

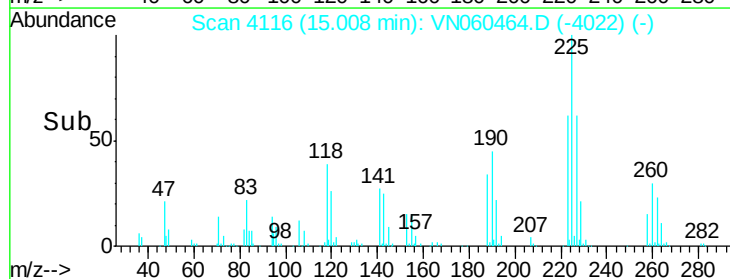
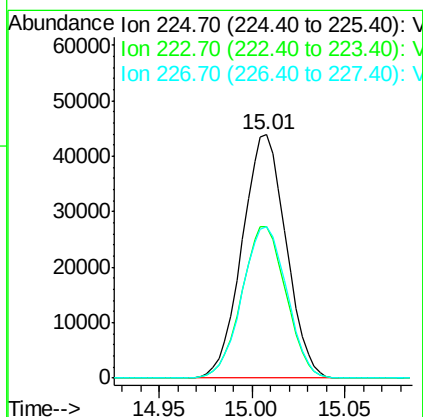
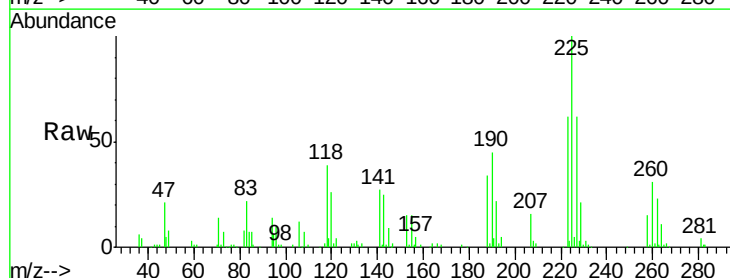
Manual Integrations
APPROVED

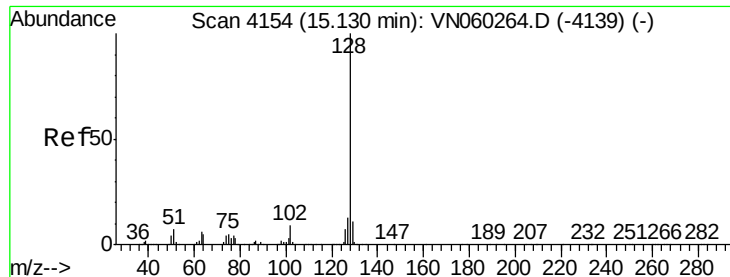
MMDadoda
3/16/2020 11:49:37 AM



#94
Hexachlorobutadiene
Concen: 52.361 ug/l
RT: 15.01 min Scan# 4116
Delta R.T. 0.00 min
Lab File: VN060464.D
Acq: 12 Mar 2020 8:56

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	72113		
223	62.7	31.3	93.9	
227	63.3	32.3	96.9	





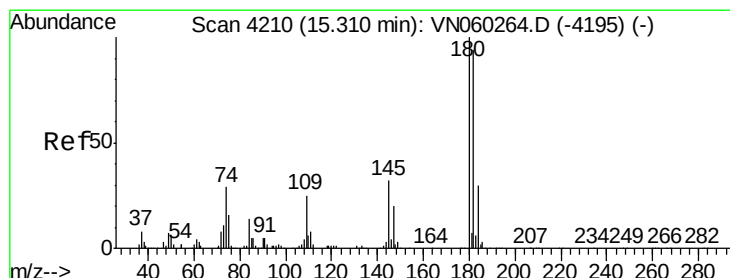
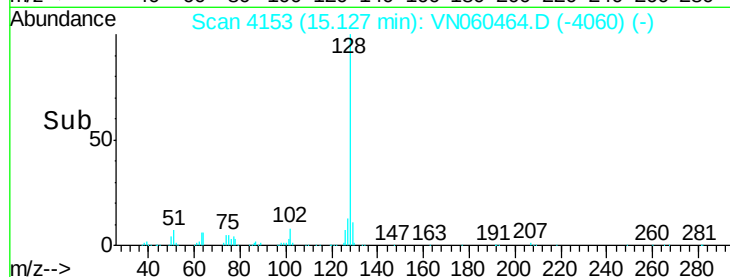
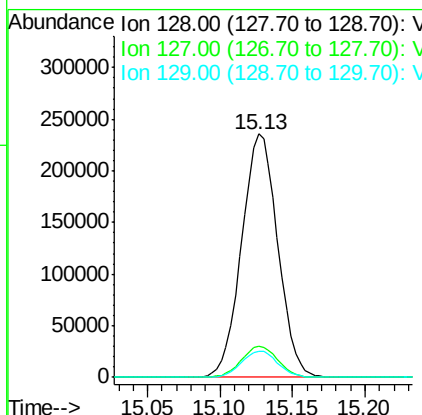
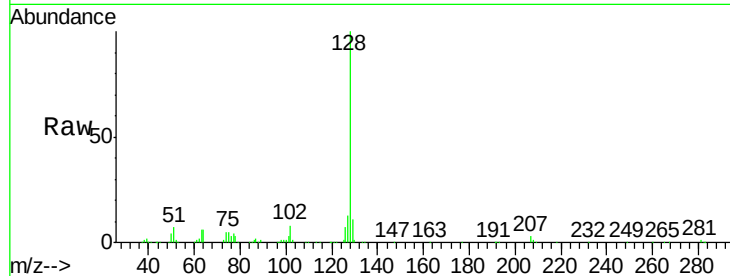
#95
Naphthalene
Concen: 46.261 ug/l
RT: 15.13 min Scan# 4153
Delta R.T. -0.00 min
Lab File: VN060464.D
Acq: 12 Mar 2020 8:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.4	15.6
129	10.7	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
3/16/2020 11:49:37 AM



#96
1,2,3-Trichlorobenzene
Concen: 48.113 ug/l
RT: 15.31 min Scan# 4210
Delta R.T. 0.00 min
Lab File: VN060464.D
Acq: 12 Mar 2020 8:56

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.9	47.3	142.0
145	32.2	16.2	48.5

