

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031820\
 Data File : VN060562.D
 Acq On : 17 Mar 2020 17:42
 Operator : JC/MD
 Sample : VSTDIC001
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Manual Integrations
 APPROVED

MMDadoda
 3/18/2020 7:00:34 PM

Quant Time: Mar 18 08:49:10 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031820W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 18 08:02:18 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	221225	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	373470	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	330556	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	140835	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	0.00	65	0d	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	
35) Dibromofluoromethane	0.00	113	0d	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	
50) Toluene-d8	0.00	98	0d	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	
62) 4-Bromofluorobenzene	0.00	95	0d	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.83	85	1938	0.936	ug/l	98
3) Chloromethane	2.03	50	4098	1.126	ug/l	98
4) Vinyl Chloride	2.16	62	3059	0.996	ug/l #	88
6) Chloroethane	2.69	64	1649	0.974	ug/l	96
7) Trichlorofluoromethane	3.00	101	3706	0.950	ug/l	94
8) Diethyl Ether	3.39	74	1419	0.954	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	3.74	101	2111	0.954	ug/l #	81
12) 1,1-Dichloroethene	3.72	96	2488	1.051	ug/l	87
14) Allyl chloride	4.30	41	4131	1.045	ug/l #	87
15) Acrylonitrile	4.96	53	5720m	5.000	ug/l	
16) Acetone	3.79	43	5282	5.584	ug/l	100
17) Carbon Disulfide	4.03	76	7243	1.056	ug/l	99
18) Methyl Acetate	4.30	43	2877	0.928	ug/l #	72
19) Methyl tert-butyl Ether	5.00	73	8306	1.062	ug/l	98
20) Methylene Chloride	4.52	84	2503	0.976	ug/l	91
21) trans-1,2-Dichloroethene	5.01	96	2500	0.933	ug/l	94
22) Diisopropyl ether	5.92	45	8202	1.006	ug/l #	82
23) Vinyl Acetate	5.86	43	32321	4.983	ug/l	100
24) 1,1-Dichloroethane	5.82	63	4526	0.988	ug/l #	85
25) 2-Butanone	6.81	43	7771	5.088	ug/l	95
26) 2,2-Dichloropropane	6.80	77	3834	0.944	ug/l	91
27) cis-1,2-Dichloroethene	6.80	96	2865	0.969	ug/l	96
28) Bromochloromethane	7.17	49	2152	1.100	ug/l #	97
29) Tetrahydrofuran	7.18	42	5814	5.457	ug/l	96
30) Chloroform	7.35	83	4492	0.992	ug/l	91
32) 1,1,1-Trichloroethane	7.55	97	3685	0.920	ug/l #	52
36) 1,1-Dichloropropene	7.77	75	3343	0.923	ug/l	95
37) Ethyl Acetate	6.90	43	4226m	1.224	ug/l	
38) Carbon Tetrachloride	7.76	117	2794	0.807	ug/l	94
39) Methylcyclohexane	9.06	83	4040	0.947	ug/l	92
40) Benzene	8.02	78	10662	1.013	ug/l	99
41) Methacrylonitrile	7.15	41	1380m	0.879	ug/l	
42) 1,2-Dichloroethane	8.10	62	3519	0.937	ug/l	86
43) Isopropyl Acetate	8.14	43	5976	0.995	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Trichloroethene	8.82	130	2559	0.883	ug/l	92
45) 1,2-Dichloropropane	9.10	63	2693	0.980	ug/l	97
46) Dibromomethane	9.19	93	1539	0.870	ug/l	93
47) Bromodichloromethane	9.39	83	3217	0.895	ug/l #	97
48) Methyl methacrylate	9.18	41	2669	0.975	ug/l #	83
49) 1,4-Dioxane	9.18	88	506	13.338	ug/l #	65
51) 4-Methyl-2-Pentanone	9.97	43	16305	4.777	ug/l	98
52) Toluene	10.14	92	6100	0.928	ug/l	94
53) t-1,3-Dichloropropene	10.37	75	3697	0.840	ug/l	91
54) cis-1,3-Dichloropropene	9.82	75	4271	0.934	ug/l	97
55) 1,1,2-Trichloroethane	10.55	97	2481	0.943	ug/l	92
56) Ethyl methacrylate	10.42	69	3091	0.810	ug/l	91
57) 1,3-Dichloropropane	10.70	76	3887	0.901	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	8516	4.288	ug/l	98
59) 2-Hexanone	10.74	43	10812	4.319	ug/l	95
60) Dibromochloromethane	10.89	129	2211	0.827	ug/l	96
61) 1,2-Dibromoethane	10.99	107	2164	0.842	ug/l	98
64) Tetrachloroethene	10.62	164	2564	0.877	ug/l	96
65) Chlorobenzene	11.43	112	6452	0.963	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.50	131	2190	0.889	ug/l #	61
67) Ethyl Benzene	11.50	91	11401	0.930	ug/l	92
68) m/p-Xylenes	11.62	106	8657	1.872	ug/l	99
69) o-Xylene	11.94	106	3887	0.882	ug/l	91
70) Styrene	11.96	104	6187	0.855	ug/l	96
71) Bromoform	12.12	173	1256	0.703	ug/l #	98
73) Isopropylbenzene	12.25	105	10613	1.008	ug/l	98
74) N-amyl acetate	12.06	43	4869	1.046	ug/l	91
75) 1,1,2,2-Tetrachloroethane	12.50	83	3190	1.098	ug/l #	98
76) 1,2,3-Trichloropropane	12.55	75	3008m	0.977	ug/l	
77) Bromobenzene	12.52	156	2582	1.003	ug/l	99
78) n-propylbenzene	12.59	91	12570	1.016	ug/l	98
79) 2-Chlorotoluene	12.67	91	7778	1.067	ug/l	96
80) 1,3,5-Trimethylbenzene	12.73	105	8981	1.012	ug/l	98
82) 4-Chlorotoluene	12.77	91	7496	0.978	ug/l	98
83) tert-Butylbenzene	12.99	119	7287	0.955	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	8625	0.965	ug/l	96
85) sec-Butylbenzene	13.17	105	9829	0.960	ug/l	97
86) p-Isopropyltoluene	13.29	119	8954	0.947	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	4542	0.944	ug/l	96
88) 1,4-Dichlorobenzene	13.36	146	4629m	0.964	ug/l	
89) n-Butylbenzene	13.61	91	7849	0.905	ug/l	97
90) Hexachloroethane	13.87	117	1058	0.774	ug/l	90
91) 1,2-Dichlorobenzene	13.65	146	4132	0.918	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	14.27	75	951	1.464	ug/l	55
93) 1,2,4-Trichlorobenzene	14.91	180	2360	0.745	ug/l	97
94) Hexachlorobutadiene	15.01	225	1310	0.871	ug/l	98
95) Naphthalene	15.13	128	7347	0.803	ug/l	98
96) 1,2,3-Trichlorobenzene	15.31	180	2653	0.890	ug/l	90

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VSTDICC001

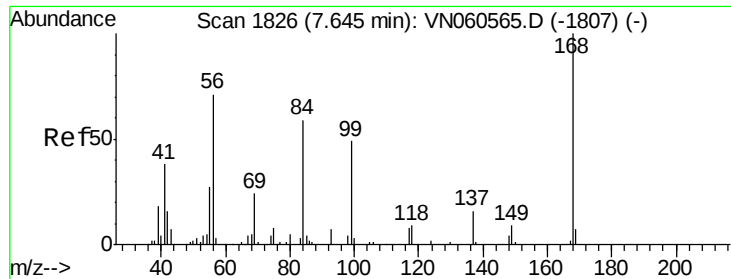
Manual Integrations
APPROVED

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VN060562.D

Acq: 17 Mar 2020 17:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion:168 Resp: 221225

Ion Ratio Lower Upper

168 100

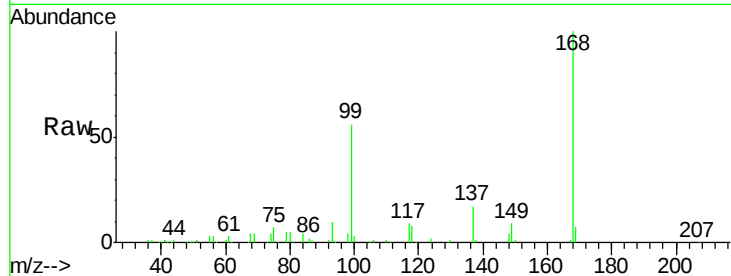
99 56.2 44.0 66.0

Manual Integrations

APPROVED

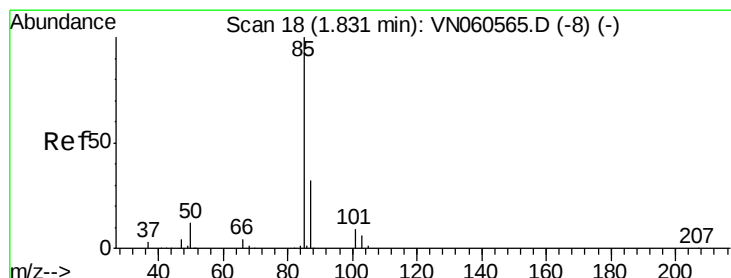
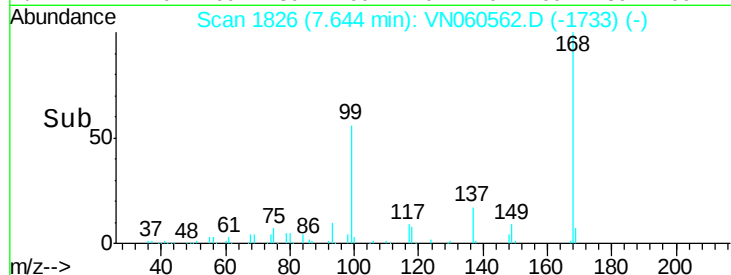
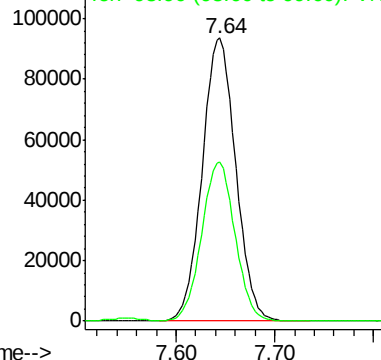
MMDadoda

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 0.936 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN060562.D

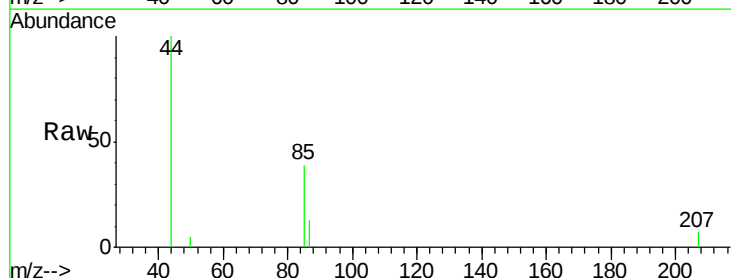
Acq: 17 Mar 2020 17:42

Tgt Ion: 85 Resp: 1938

Ion Ratio Lower Upper

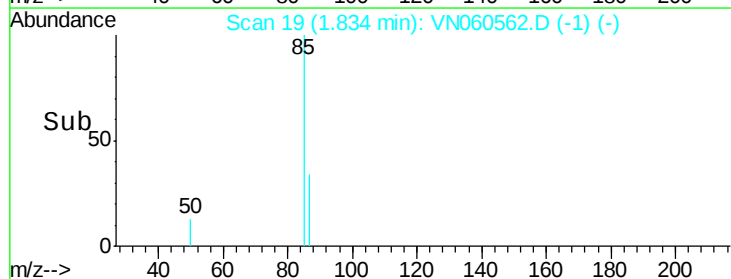
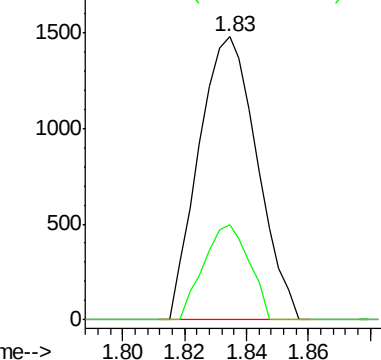
85 100

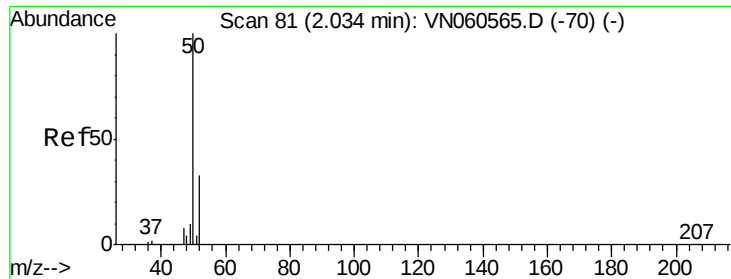
87 33.7 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 1.126 ug/l

RT: 2.03 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN060562.D

Acq: 17 Mar 2020 17:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion: 50 Resp: 4098

Ion Ratio Lower Upper

50 100

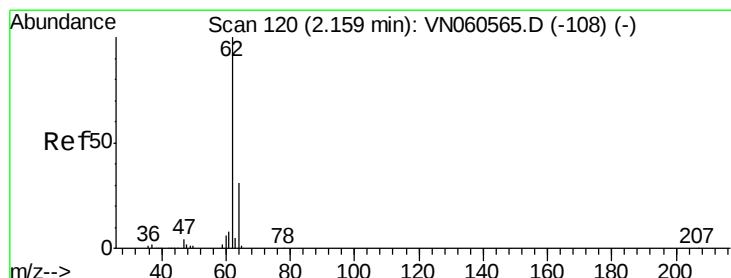
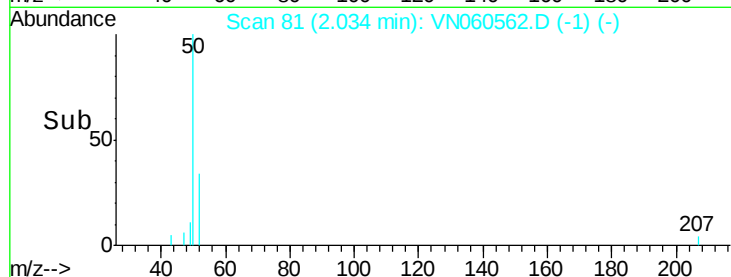
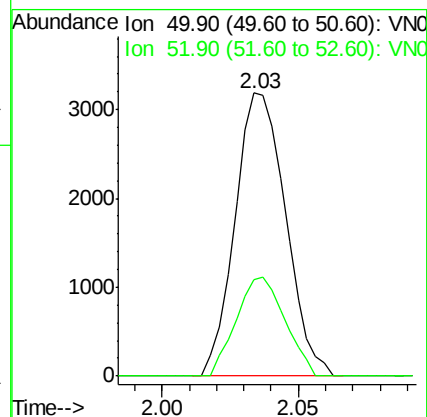
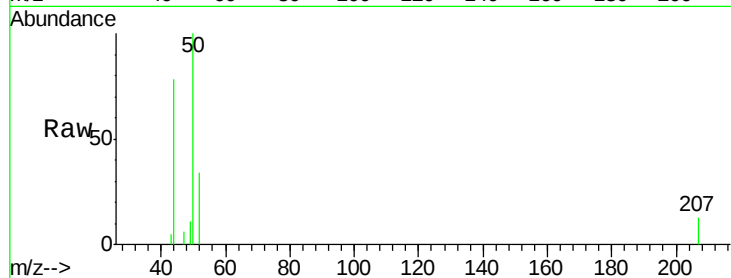
52 34.1 26.2 39.2

Manual Integrations

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#4

Vinyl Chloride

Concen: 0.996 ug/l

RT: 2.16 min Scan# 121

Delta R.T. 0.00 min

Lab File: VN060562.D

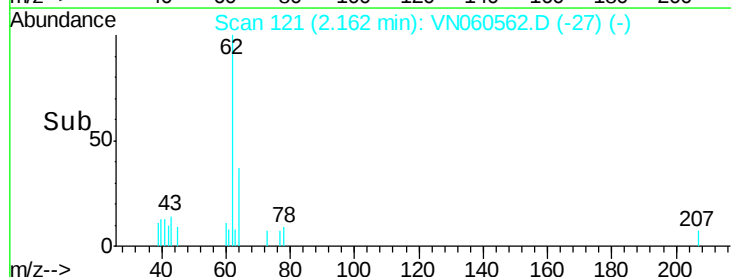
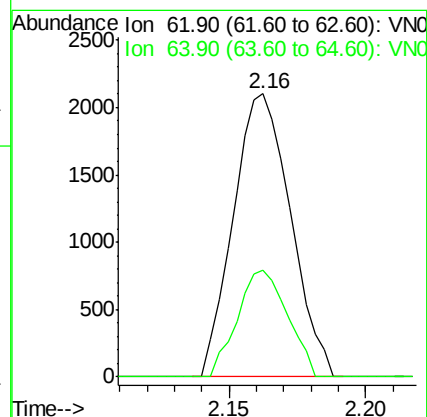
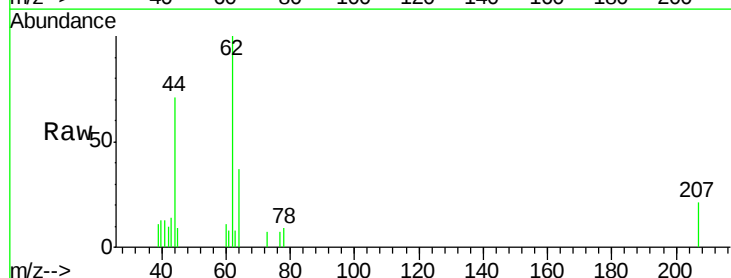
Acq: 17 Mar 2020 17:42

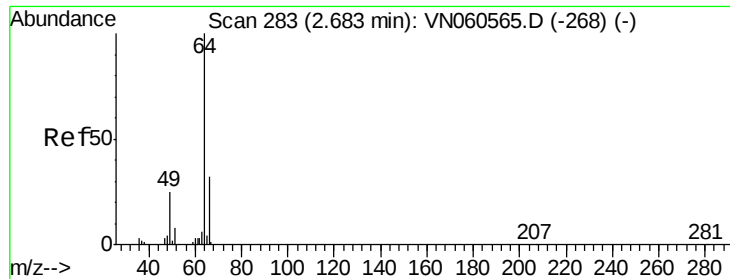
Tgt Ion: 62 Resp: 3059

Ion Ratio Lower Upper

62 100

64 37.5 24.7 37.1#





#6

Chloroethane

Concen: 0.974 ug/l

RT: 2.69 min Scan# 284

Delta R.T. 0.00 min

Lab File: VN060562.D

Acq: 17 Mar 2020 17:42

Instrument :

MSVOA_N

ClientSampled :

VSTDIC001

Tot Ion: 64 Resp: 1649

Ion Ratio Lower Upper

64 100

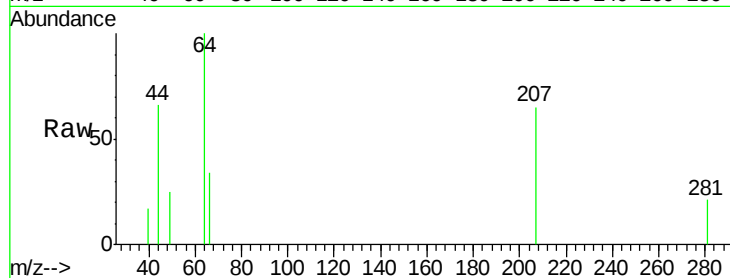
66 34.1 25.3 37.9

Manual Integrations

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Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

2.69

800

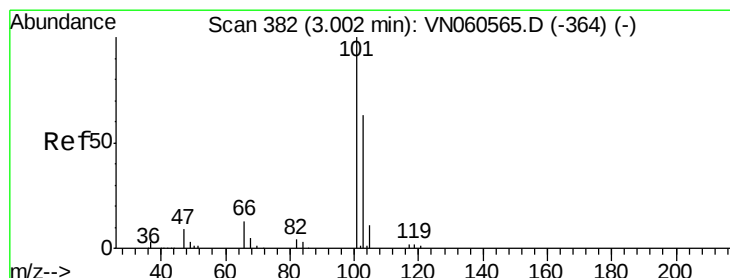
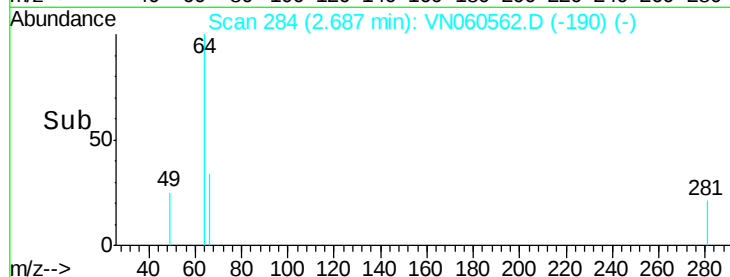
600

400

200

0

Time-->



#7

Trichlorofluoromethane

Concen: 0.950 ug/l

RT: 3.00 min Scan# 383

Delta R.T. 0.00 min

Lab File: VN060562.D

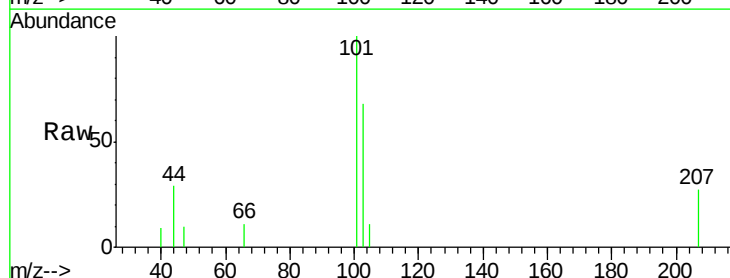
Acq: 17 Mar 2020 17:42

Tgt Ion: 101 Resp: 3706

Ion Ratio Lower Upper

101 100

103 67.6 50.6 76.0



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V

3.00

2000

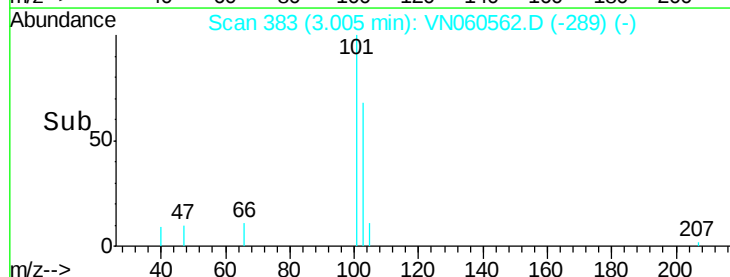
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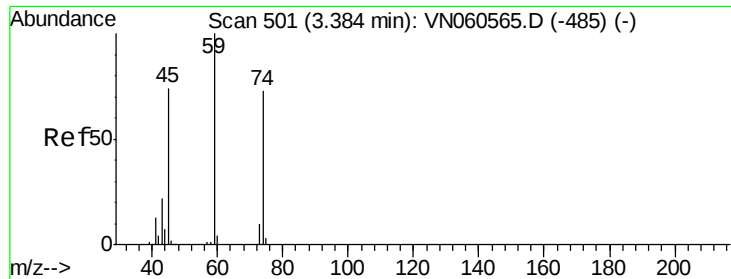
1000

500

0

Time-->





#8

Diethyl Ether

Concen: 0.954 ug/l

RT: 3.39 min Scan# 503

Delta R.T. 0.01 min

Lab File: VN060562.D

Acq: 17 Mar 2020 17:42

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MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion: 74 Resp: 1419

Ion Ratio Lower Upper

74 100

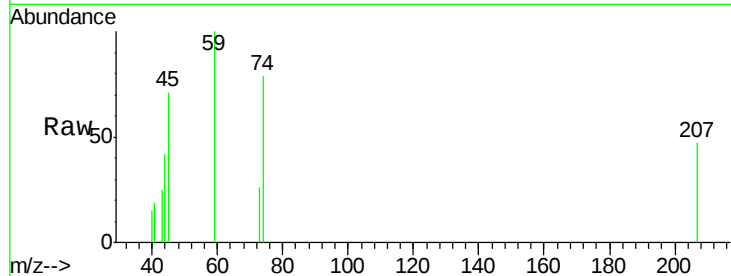
45 114.0 51.3 153.9

Manual Integrations

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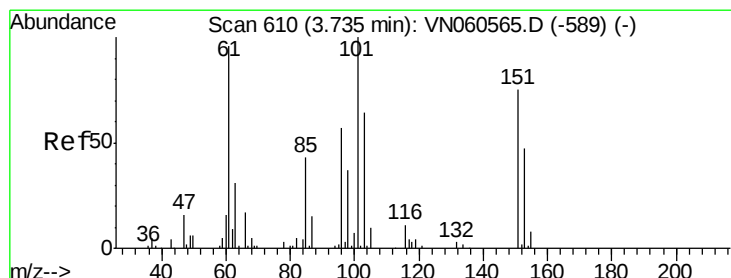
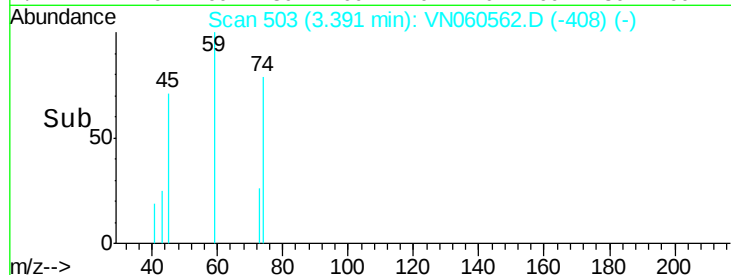
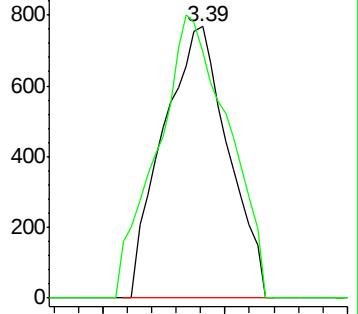
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3/18/2020 7:00:34 PM



Abundance Ion 74.00 (73.70 to 74.70): VN060562.D (-485) (-)

Ion 45.00 (44.70 to 45.70): VN060562.D (-485) (-)



#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.954 ug/l

RT: 3.74 min Scan# 613

Delta R.T. 0.01 min

Lab File: VN060562.D

Acq: 17 Mar 2020 17:42

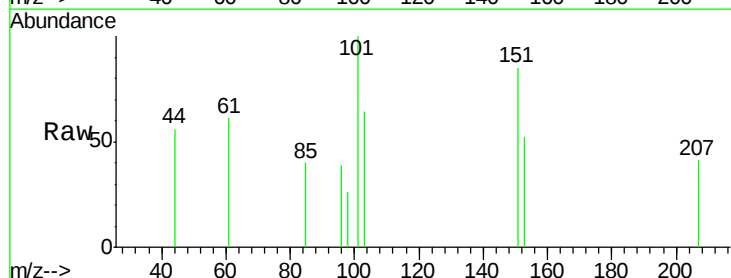
Tgt Ion: 101 Resp: 2111

Ion Ratio Lower Upper

101 100

85 14.4 35.6 53.4#

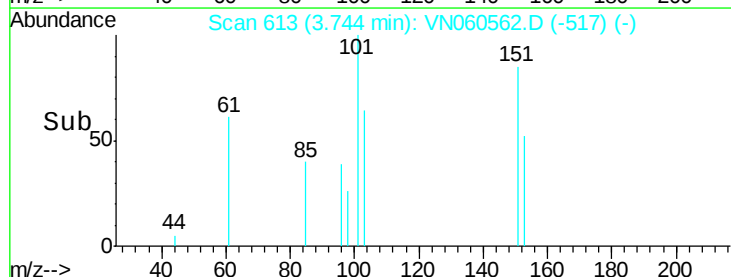
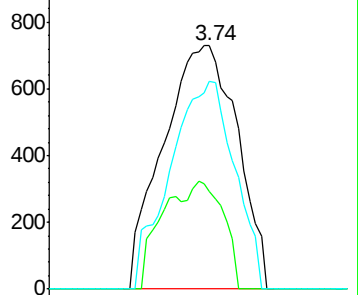
151 74.2 61.4 92.2

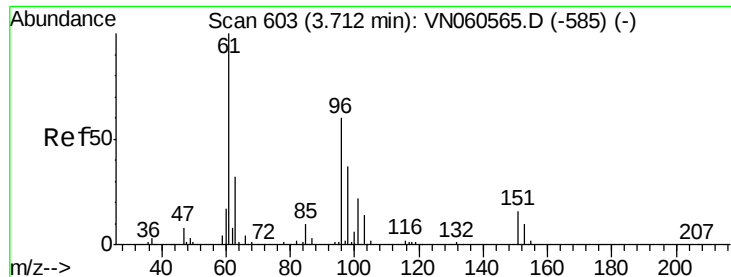


Abundance Ion 100.90 (100.60 to 101.60): VN060562.D (-517) (-)

Ion 84.90 (84.60 to 85.60): VN060562.D (-517) (-)

Ion 150.80 (150.50 to 151.50): VN060562.D (-517) (-)





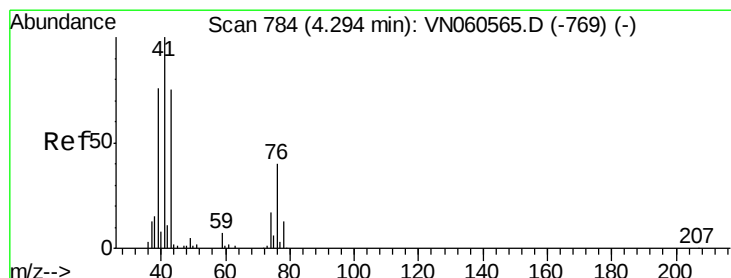
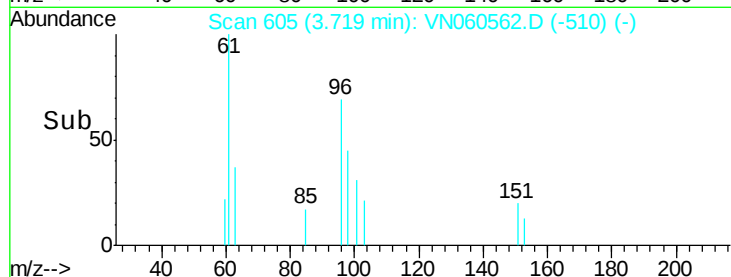
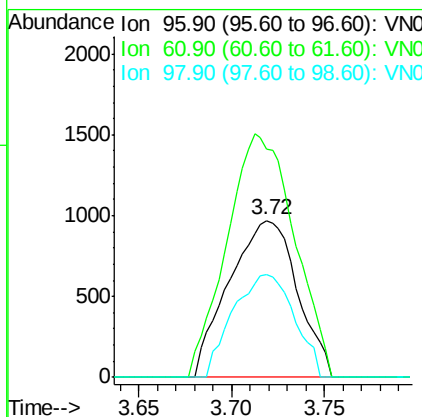
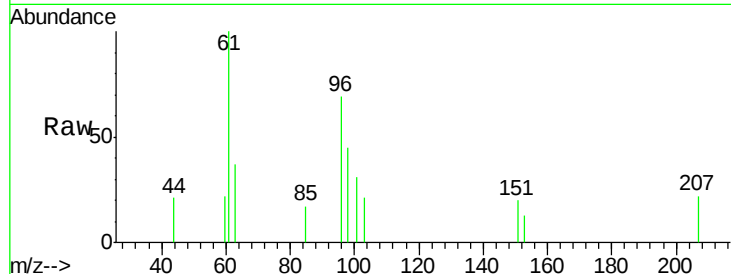
#12
 1,1-Dichloroethene
 Concen: 1.051 ug/l
 RT: 3.72 min Scan# 605
 Delta R.T. 0.01 min
 Lab File: VN060562.D
 Acq: 17 Mar 2020 17:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
96	100		
61	145.9	134.1	201.1
98	65.6	49.9	74.9

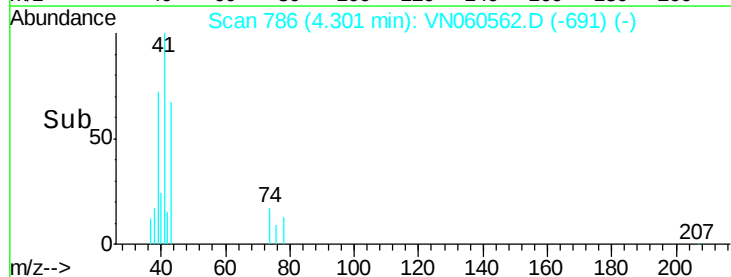
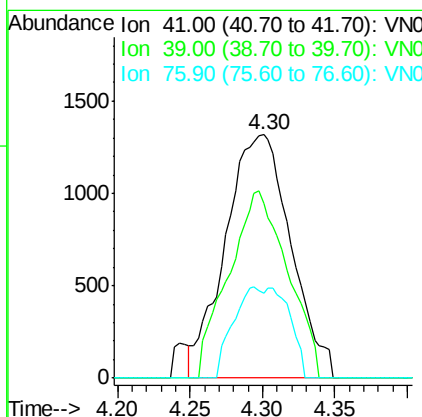
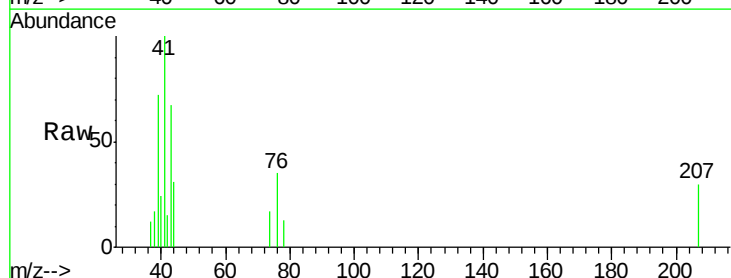
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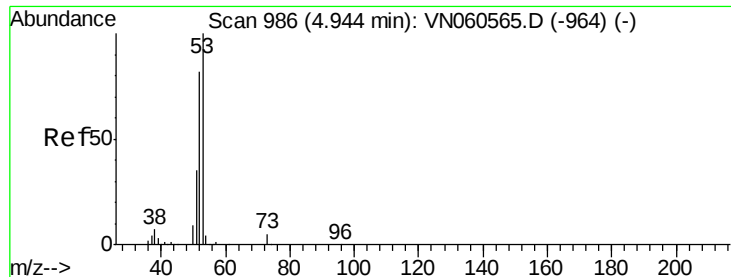
MMDadoda
 3/18/2020 7:00:34 PM



#14
 Allyl chloride
 Concen: 1.045 ug/l
 RT: 4.30 min Scan# 786
 Delta R.T. 0.01 min
 Lab File: VN060562.D
 Acq: 17 Mar 2020 17:42

Tgt Ion	Ratio	Lower	Upper
41	100		
39	69.2	57.8	86.8
76	17.4	28.6	43.0#





#15

Acrylonitrile

Concen: 5.000 ug/l m

RT: 4.96 min Scan# 992

Delta R.T. 0.02 min

Lab File: VN060562.D

Acq: 17 Mar 2020 17:42

Instrument :

MSVOA_N

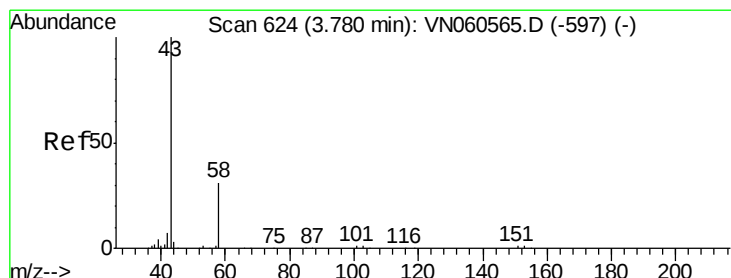
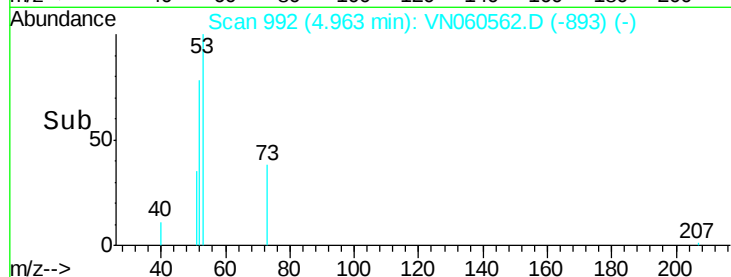
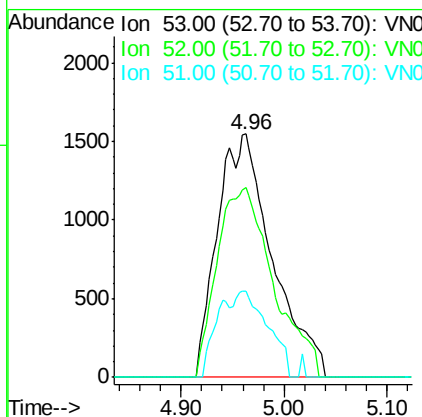
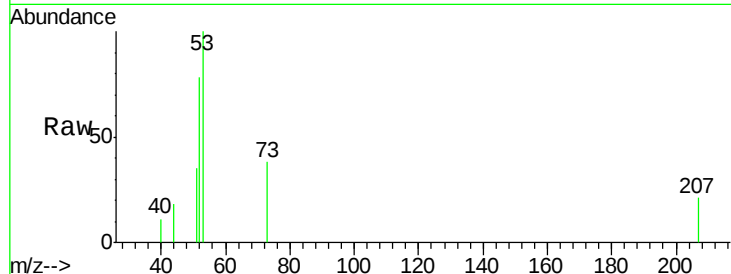
ClientSampleId :

VSTDIC001

Tot Ion:	53	Resp:	5720
Ion Ratio	Lower	Upper	
53	100		
52	0.0	66.2	99.4#
51	9.7	28.7	43.1#

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#16

Acetone

Concen: 5.584 ug/l

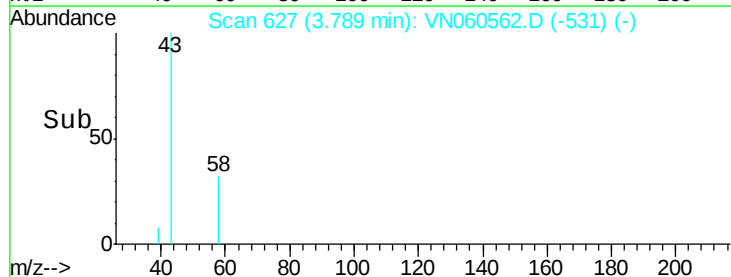
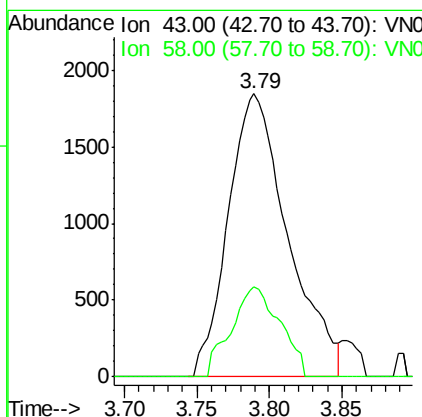
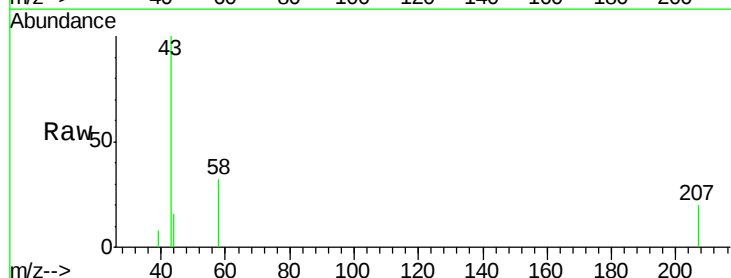
RT: 3.79 min Scan# 627

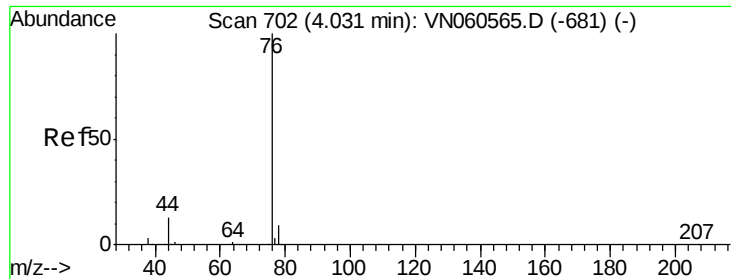
Delta R.T. 0.01 min

Lab File: VN060562.D

Acq: 17 Mar 2020 17:42

Tgt Ion:	43	Resp:	5282
Ion Ratio	Lower	Upper	
43	100		
58	31.7	25.1	37.7





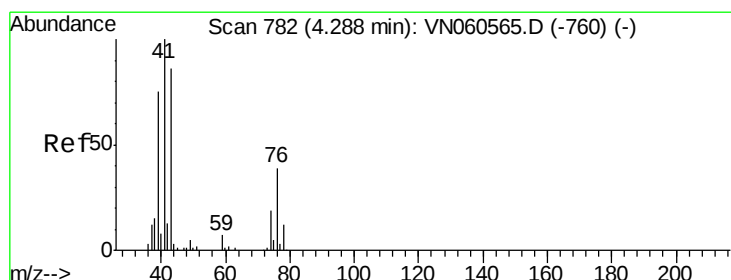
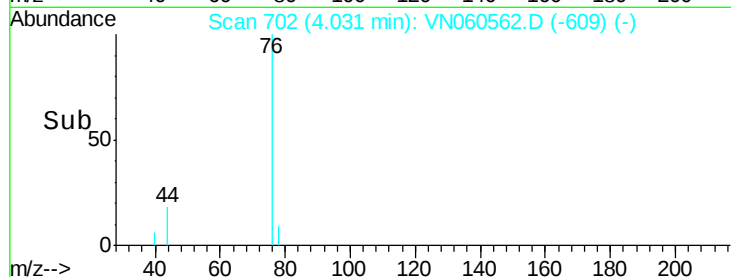
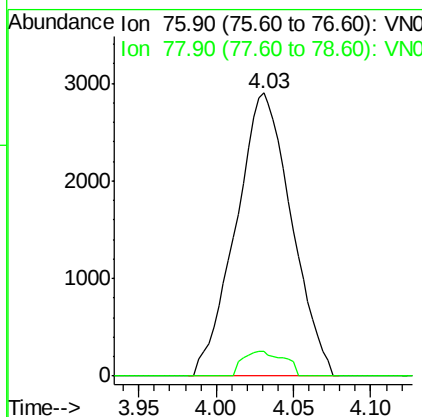
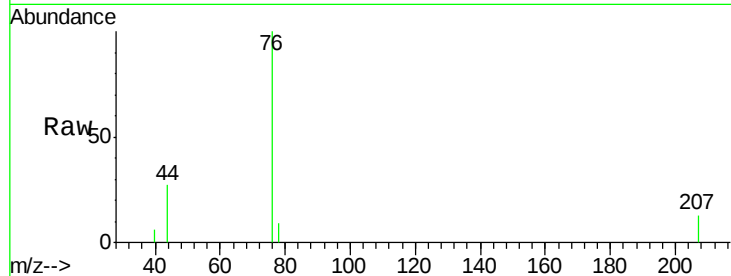
#17
Carbon Disulfide
Concen: 1.056 ug/l
RT: 4.03 min Scan# 702
Delta R.T. -0.00 min
Lab File: VN060562.D
Acq: 17 Mar 2020 17:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion: 76 Resp: 7243
Ion Ratio Lower Upper
76 100
78 8.6 7.2 10.8

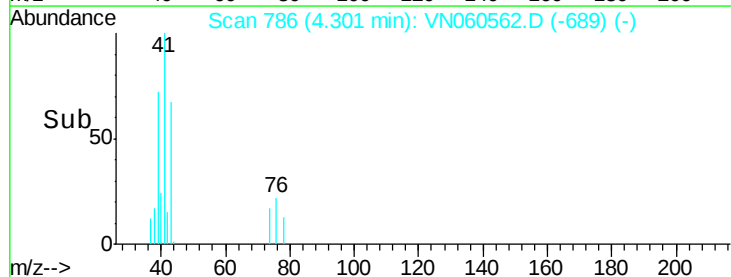
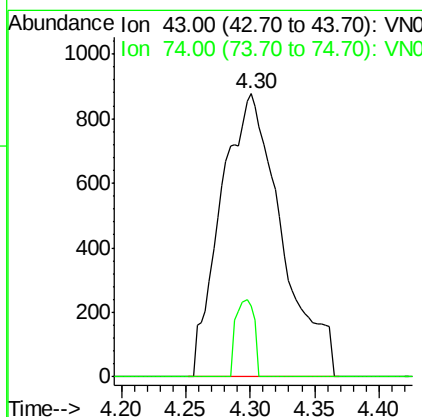
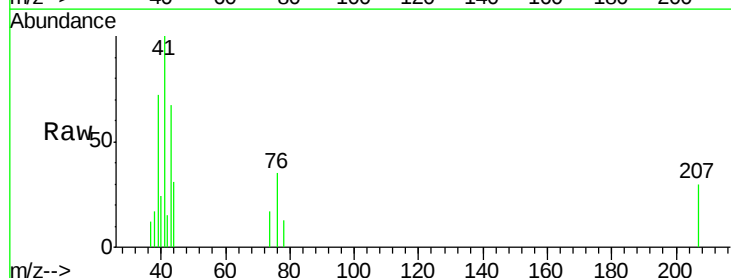
Manual Integrations
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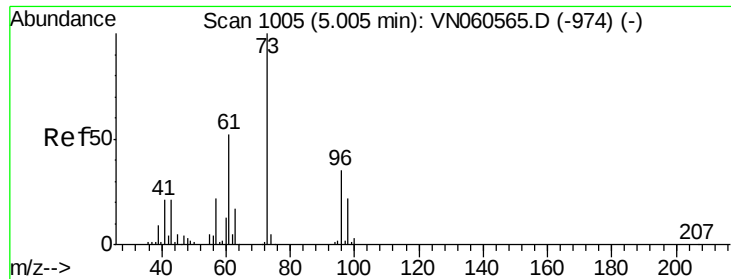
MMDadoda
3/18/2020 7:00:34 PM



#18
Methyl Acetate
Concen: 0.928 ug/l
RT: 4.30 min Scan# 786
Delta R.T. 0.01 min
Lab File: VN060562.D
Acq: 17 Mar 2020 17:42

Tgt Ion: 43 Resp: 2877
Ion Ratio Lower Upper
43 100
74 8.4 17.5 26.3#





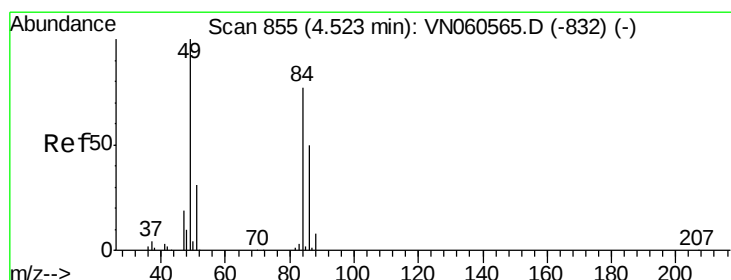
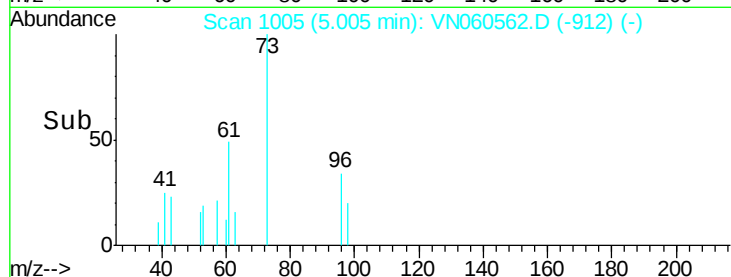
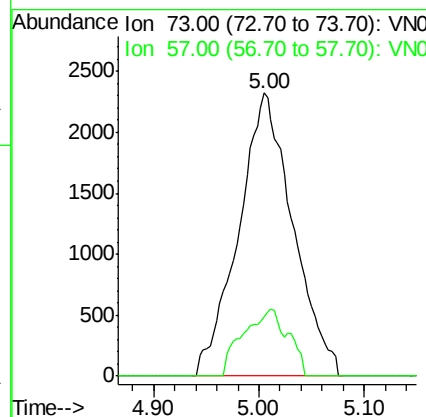
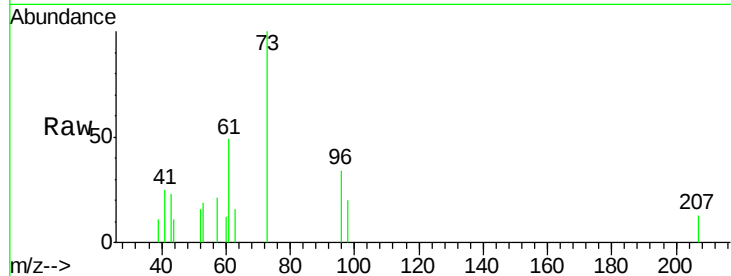
#19
Methyl tert-butyl Ether
Concen: 1.062 ug/l
RT: 5.00 min Scan# 1005
Delta R.T. -0.00 min
Lab File: VN060562.D
Acq: 17 Mar 2020 17:42

Instrument :
MSVOA_N
ClientSampled :
VSTDIC001

Tot Ion: 73 Resp: 8306
Ion Ratio Lower Upper
73 100
57 21.0 17.5 26.3

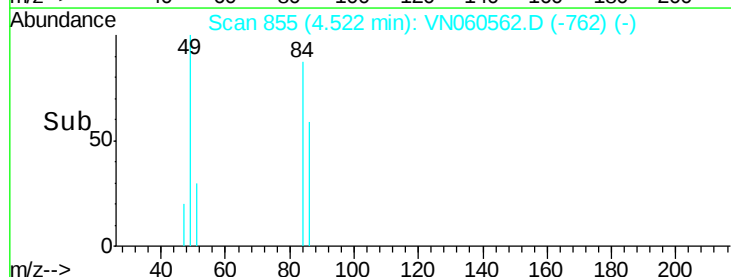
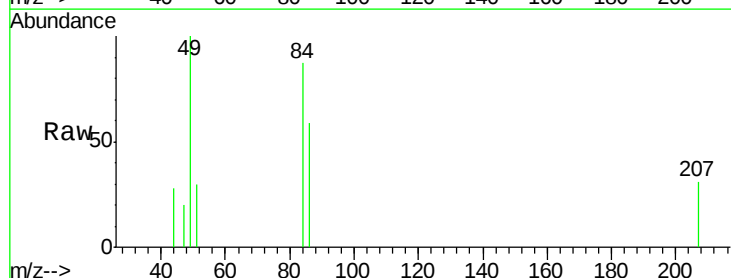
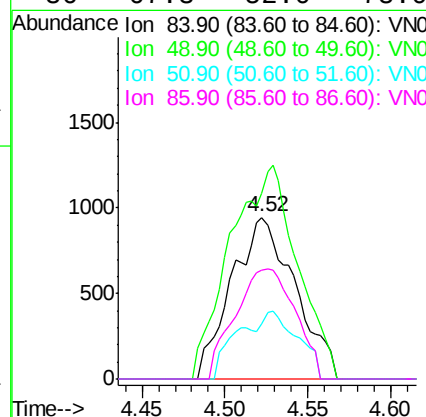
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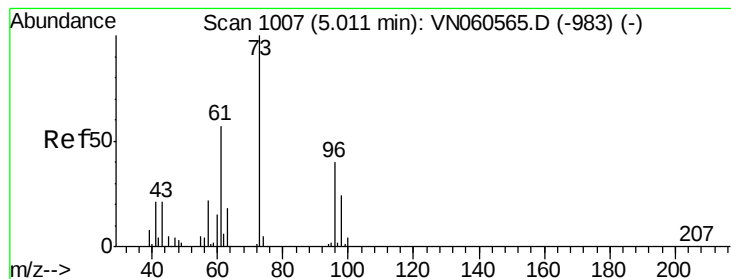
MMDadoda
3/18/2020 7:00:34 PM



#20
Methylene Chloride
Concen: 0.976 ug/l
RT: 4.52 min Scan# 855
Delta R.T. -0.00 min
Lab File: VN060562.D
Acq: 17 Mar 2020 17:42

Tgt Ion: 84 Resp: 2503
Ion Ratio Lower Upper
84 100
49 114.4 103.3 154.9
51 34.1 31.6 47.4
86 67.3 52.0 78.0





#21

trans-1,2-Dichloroethene

Concen: 0.933 ug/l

RT: 5.01 min Scan# 1007

Delta R.T. -0.00 min

Lab File: VN060562.D

Acq: 17 Mar 2020 17:42

Instrument :

MSVOA_N

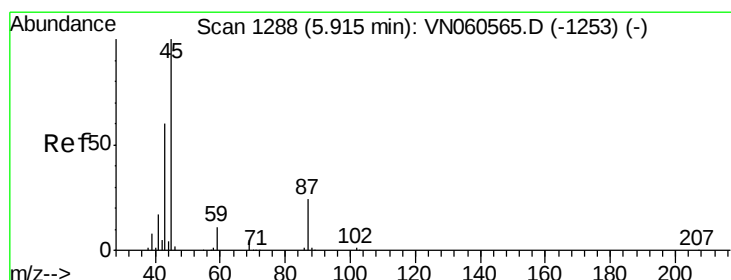
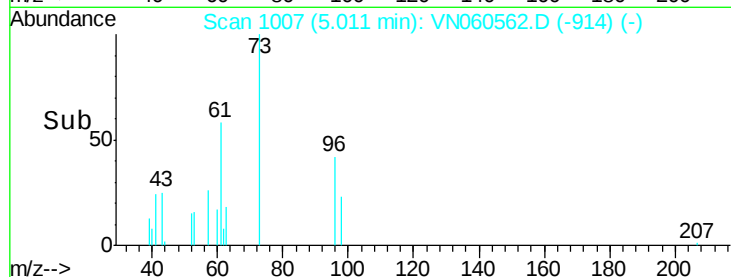
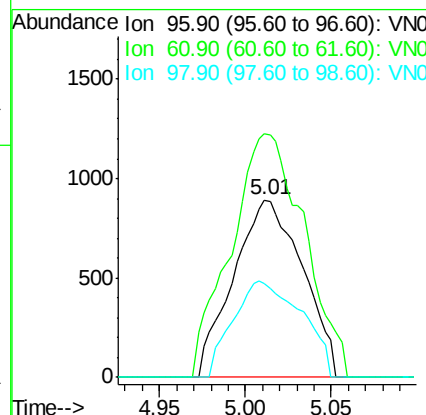
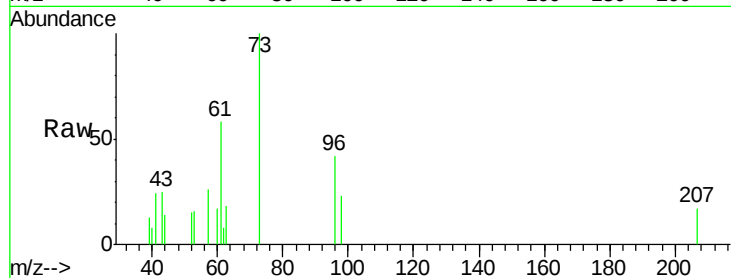
ClientSampleId :

VSTDIC001

Tot Ion:	96	Resp:	2500
Ion	Ratio	Lower	Upper
96	100		
61	137.3	114.4	171.6
98	53.1	48.4	72.6

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3/18/2020 7:00:34 PM



#22

Diisopropyl ether

Concen: 1.006 ug/l

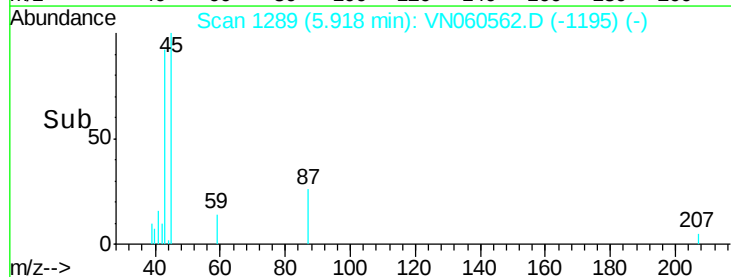
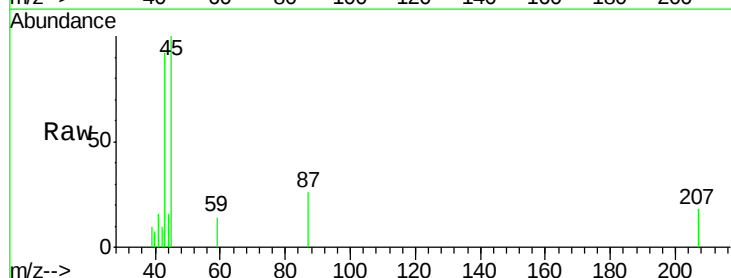
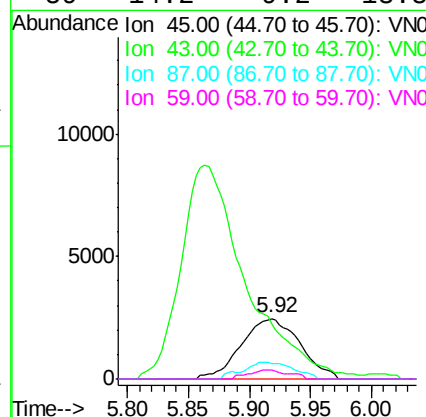
RT: 5.92 min Scan# 1289

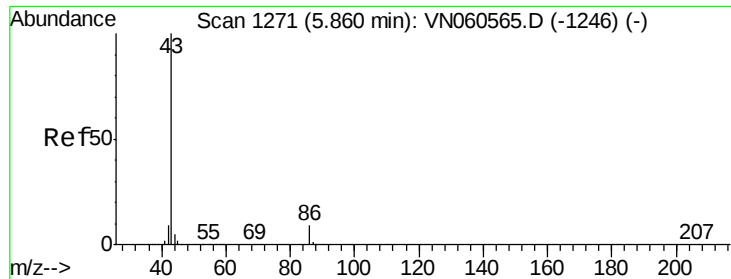
Delta R.T. 0.00 min

Lab File: VN060562.D

Acq: 17 Mar 2020 17:42

Tgt Ion:	45	Resp:	8202
Ion	Ratio	Lower	Upper
45	100		
43	82.6	49.8	74.8#
87	26.5	20.1	30.1
59	14.2	9.2	13.8#





#23

Vinyl Acetate

Concen: 4.983 ug/l

RT: 5.86 min Scan# 1272

Delta R.T. 0.00 min

Lab File: VN060562.D

Acq: 17 Mar 2020 17:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion: 43 Resp: 32321

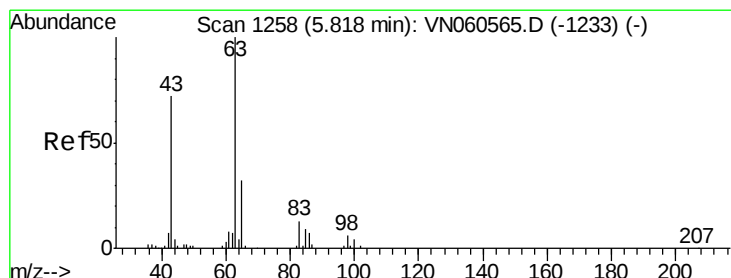
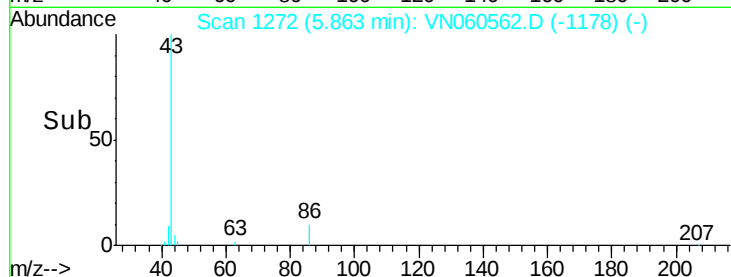
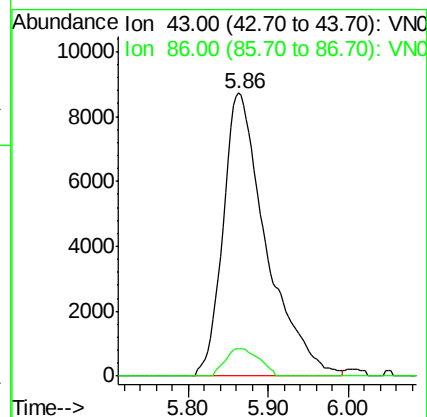
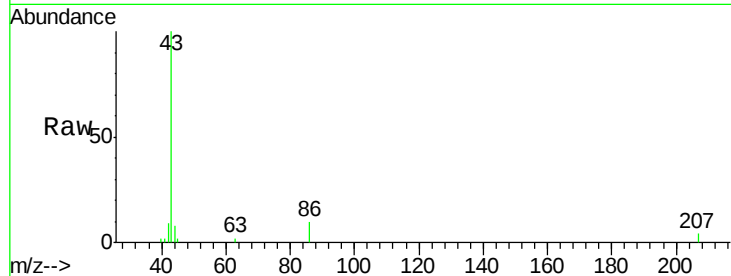
Ion Ratio Lower Upper

43 100

86 9.5 7.6 11.4

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#24

1,1-Dichloroethane

Concen: 0.988 ug/l

RT: 5.82 min Scan# 1257

Delta R.T. -0.00 min

Lab File: VN060562.D

Acq: 17 Mar 2020 17:42

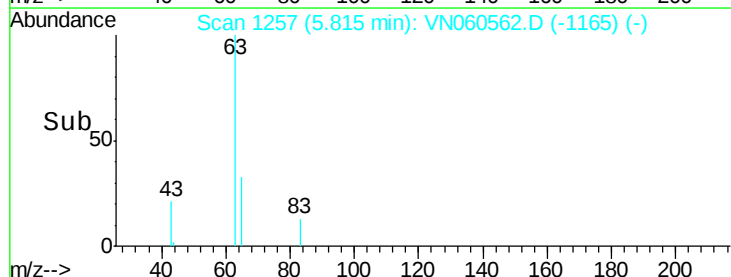
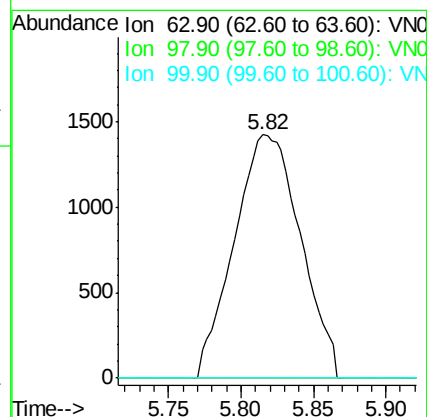
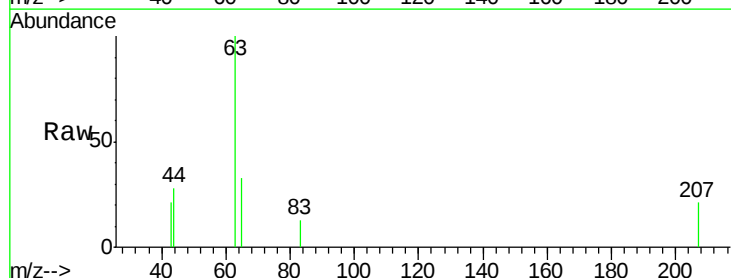
Tgt Ion: 63 Resp: 4526

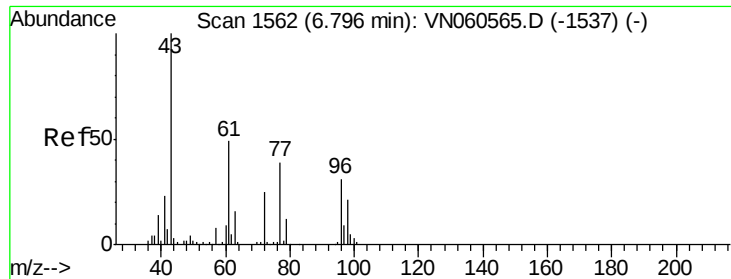
Ion Ratio Lower Upper

63 100

98 0.0 2.9 8.7#

100 0.0 1.8 5.5#





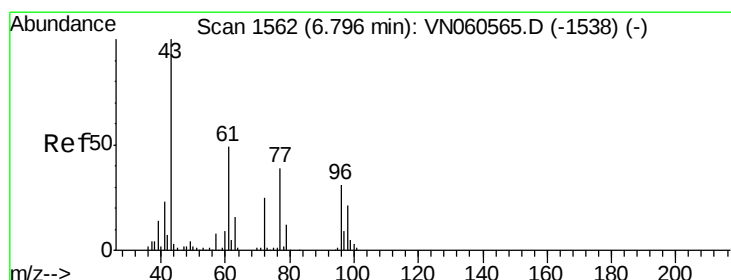
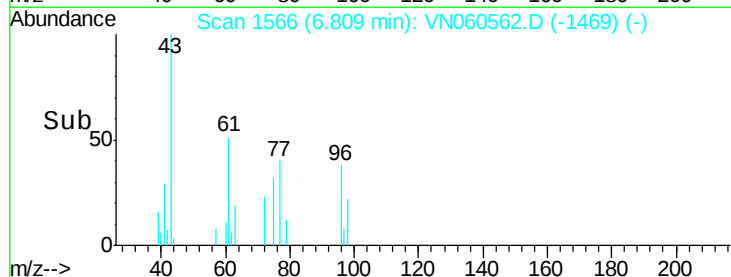
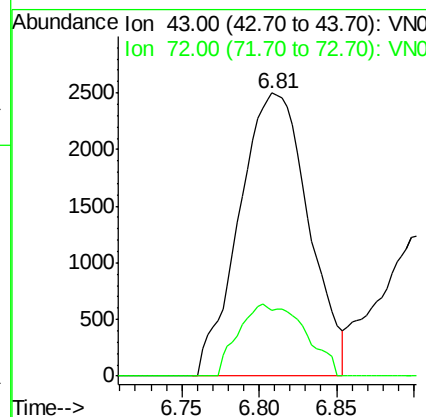
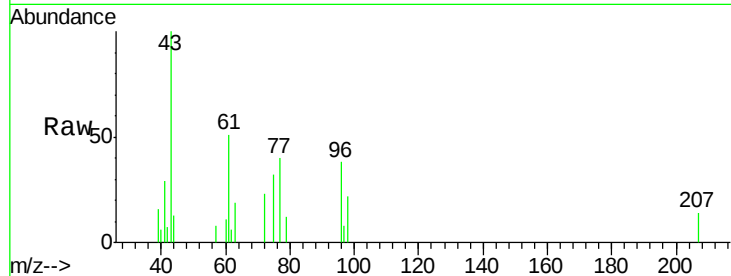
#25
2-Butanone
Concen: 5.088 ug/l
RT: 6.81 min Scan# 1566
Delta R.T. 0.01 min
Lab File: VN060562.D
Acq: 17 Mar 2020 17:42

Instrument :
MSVOA_N
ClientSampled :
VSTDIC001

Tot Ion: 43 Resp: 7771
Ion Ratio Lower Upper
43 100
72 23.2 20.4 30.6

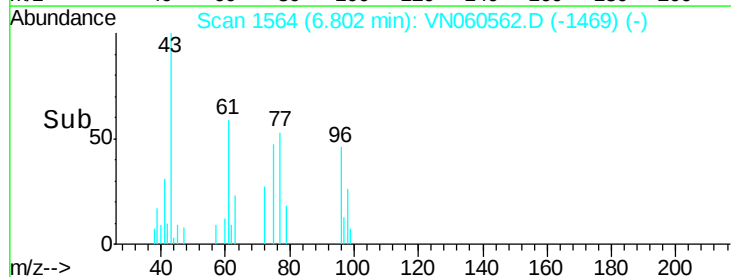
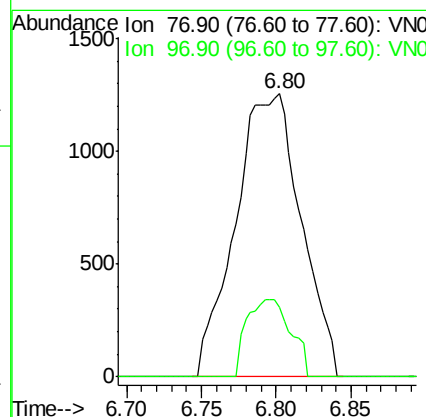
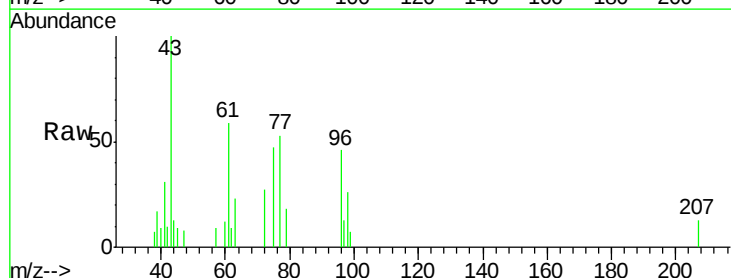
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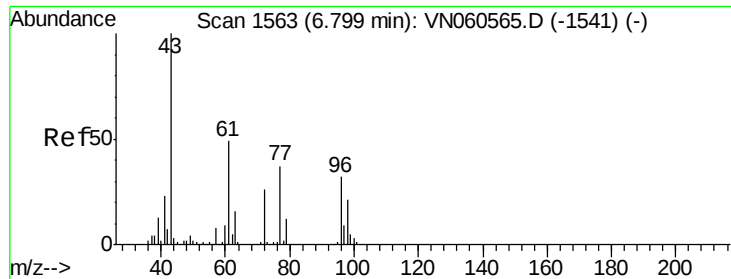
MMDadoda
3/18/2020 7:00:34 PM



#26
2,2-Dichloropropane
Concen: 0.944 ug/l
RT: 6.80 min Scan# 1564
Delta R.T. 0.01 min
Lab File: VN060562.D
Acq: 17 Mar 2020 17:42

Tgt Ion: 77 Resp: 3834
Ion Ratio Lower Upper
77 100
97 18.3 11.4 34.1





#27

cis-1,2-Dichloroethene

Concen: 0.969 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. 0.00 min

Lab File: VN060562.D

Acq: 17 Mar 2020 17:42

Instrument :

MSVOA_N

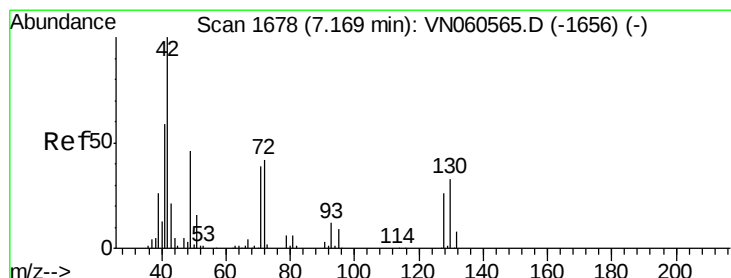
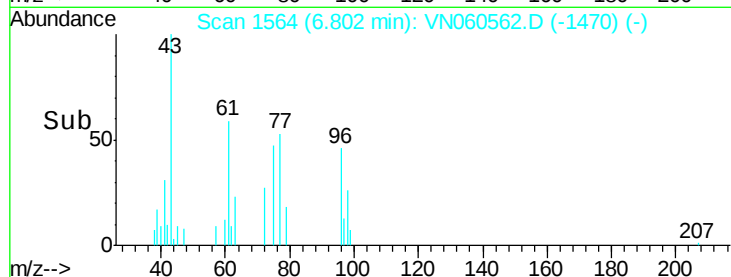
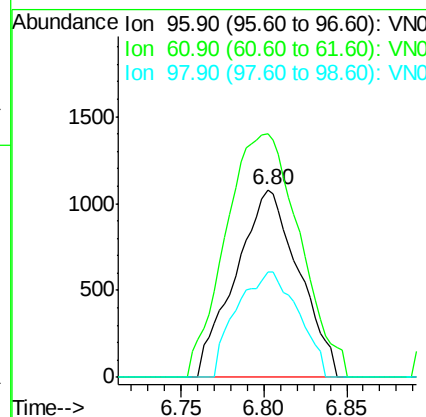
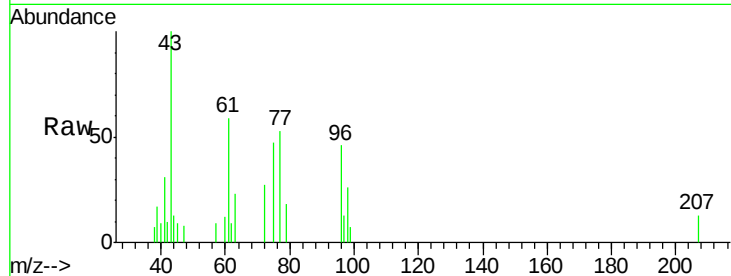
ClientSampleId :

VSTDIC001

Tot Ion:	96	Resp:	2865
Ion	Ratio	Lower	Upper
96	100		
61	151.3	0.0	305.6
98	54.5	0.0	127.6

Manual Integrations
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#28

Bromochloromethane

Concen: 1.100 ug/l

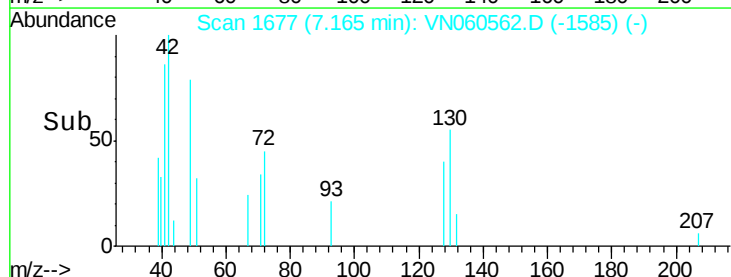
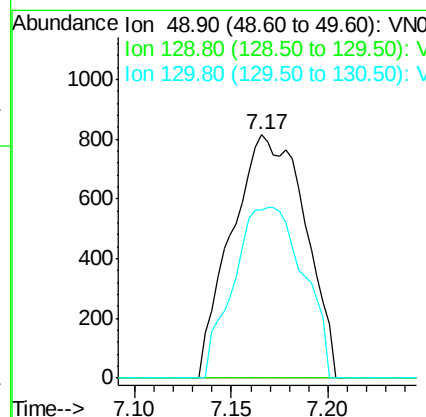
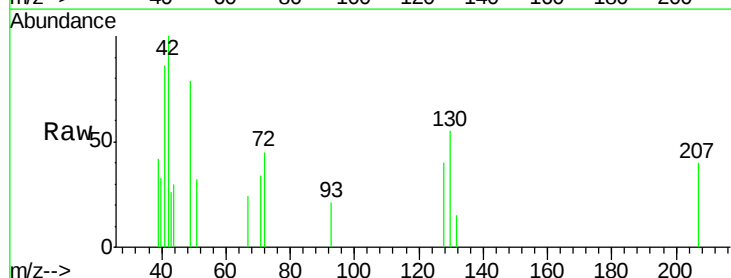
RT: 7.17 min Scan# 1677

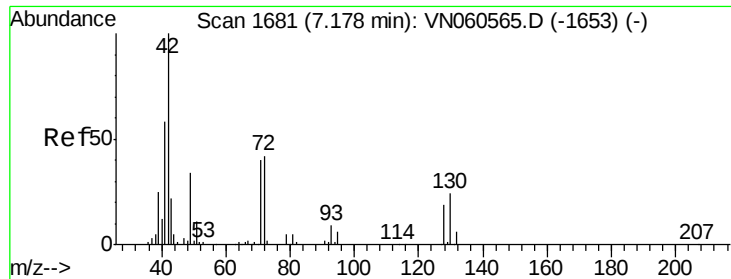
Delta R.T. -0.00 min

Lab File: VN060562.D

Acq: 17 Mar 2020 17:42

Tgt Ion:	49	Resp:	2152
Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	3.4
130	66.7	55.0	82.4





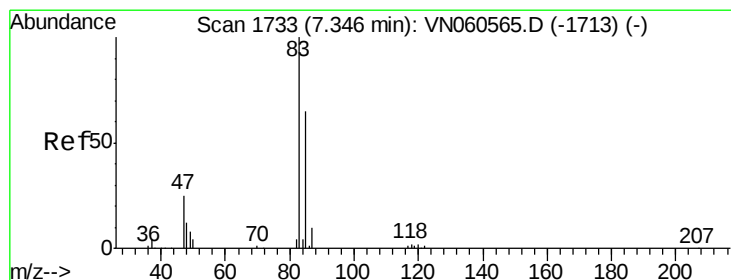
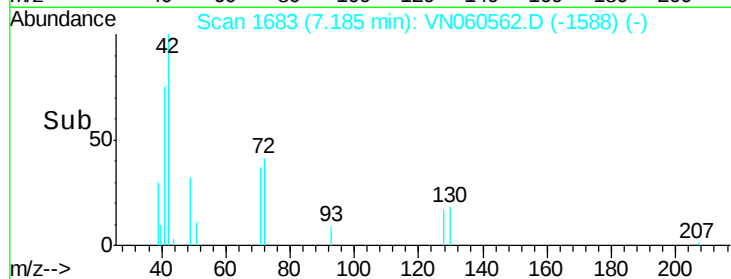
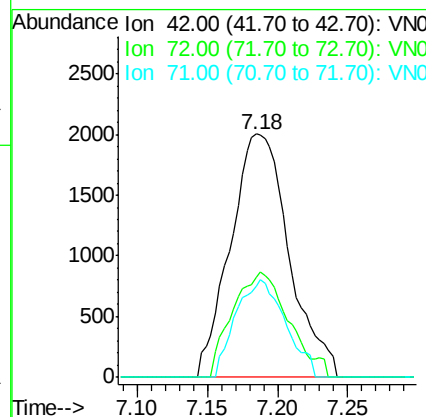
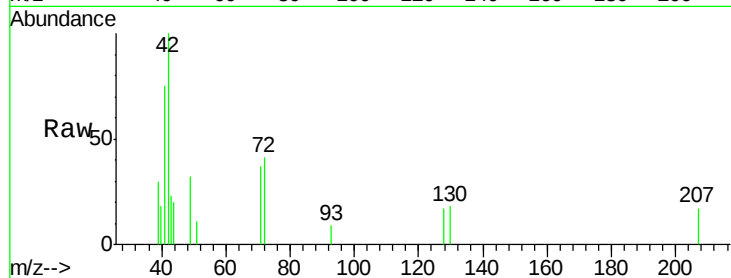
#29
Tetrahydrofuran
Concen: 5.457 ug/l
RT: 7.18 min Scan# 1683
Delta R.T. 0.01 min
Lab File: VN060562.D
Acq: 17 Mar 2020 17:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.7	33.2	49.8
71	33.9	31.1	46.7

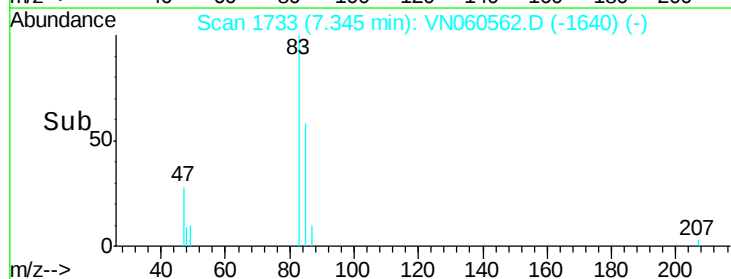
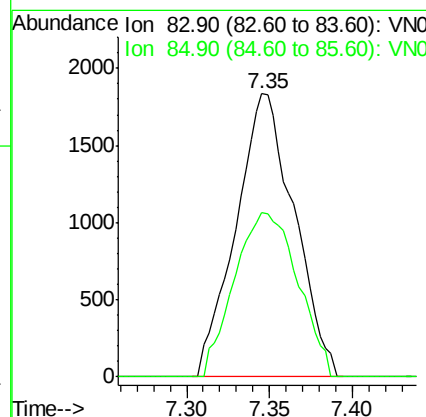
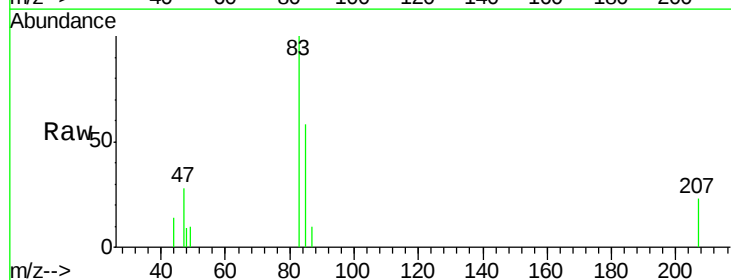
Manual Integrations
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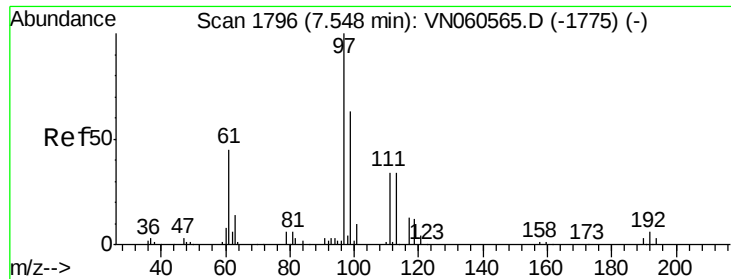
MMDadoda
3/18/2020 7:00:34 PM



#30
Chloroform
Concen: 0.992 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. -0.00 min
Lab File: VN060562.D
Acq: 17 Mar 2020 17:42

Tgt Ion	Ratio	Lower	Upper
83	100		
85	57.9	51.8	77.8





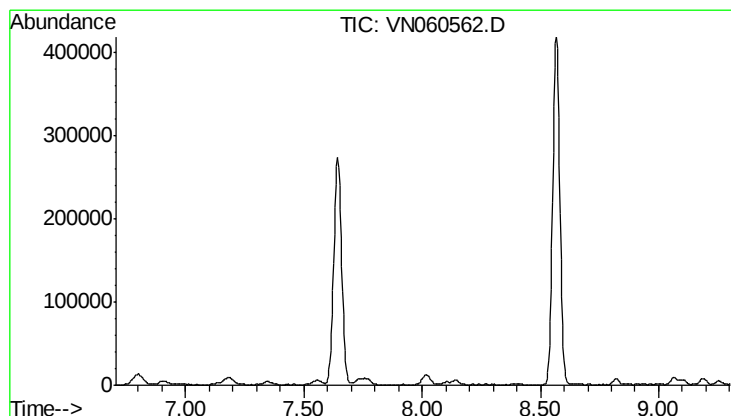
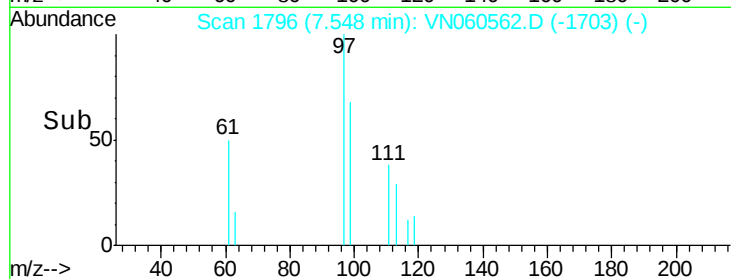
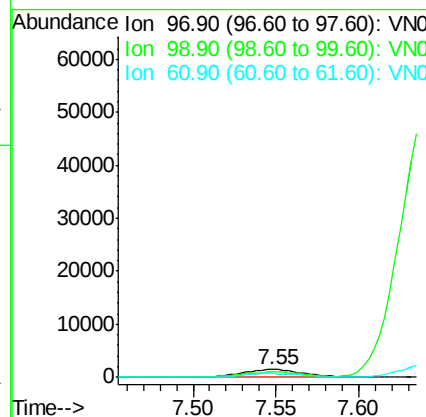
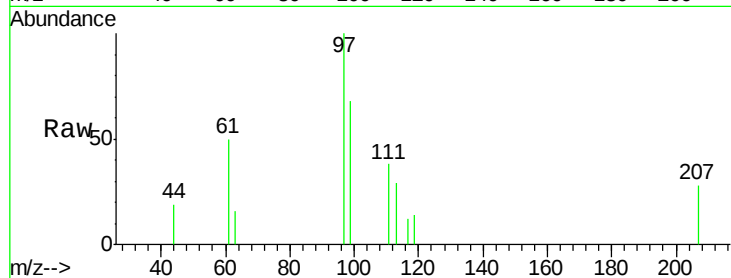
#32
 1,1,1-Trichloroethane
 Concen: 0.920 ug/l
 RT: 7.55 min Scan# 1796
 Delta R.T. -0.00 min
 Lab File: VN060562.D
 Acq: 17 Mar 2020 17:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion	Ion	Ratio	Lower	Upper
97	100			
99	0.0	50.6	75.8#	
61	45.6	36.2	54.4	

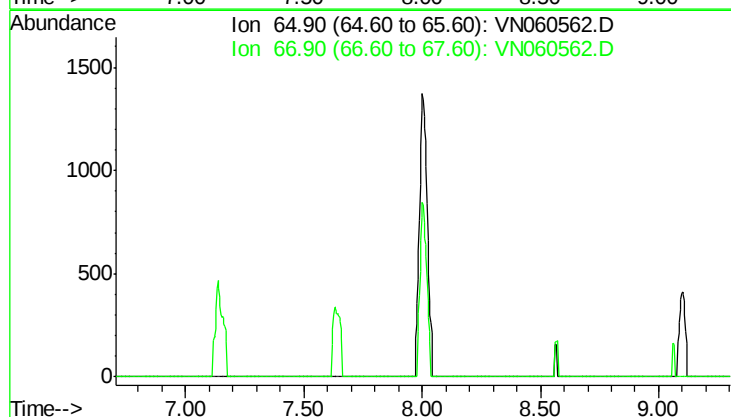
Manual Integrations
 APPROVED

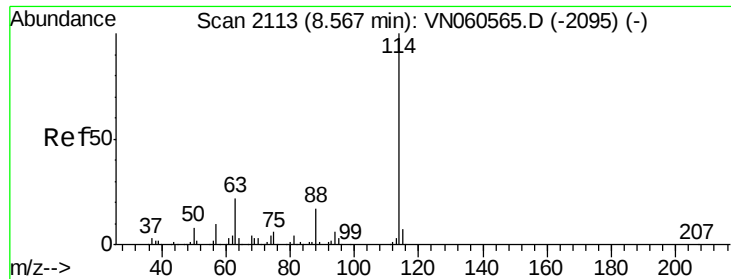
MMDadoda
 3/18/2020 7:00:34 PM



#33
 1,2-Dichloroethane-d4
 Concen: 0.000 ug/l
 Expected RT: 8.00 min
 Lab File: VN060562.D
 Acq: 17 Mar 2020 17:42

Tgt Ion	Sig	Exp Ratio
65	100	
67	53.8	





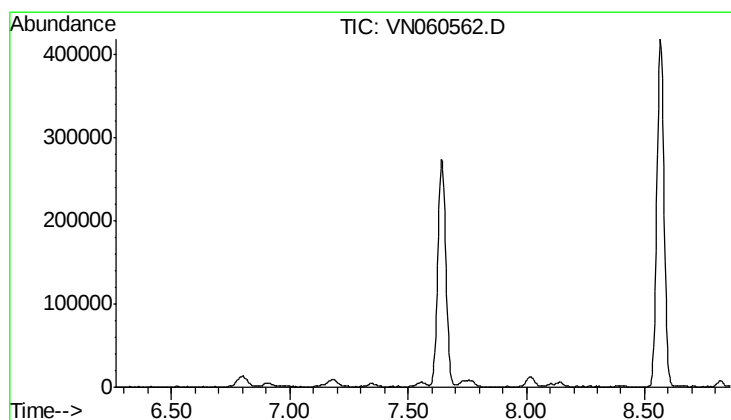
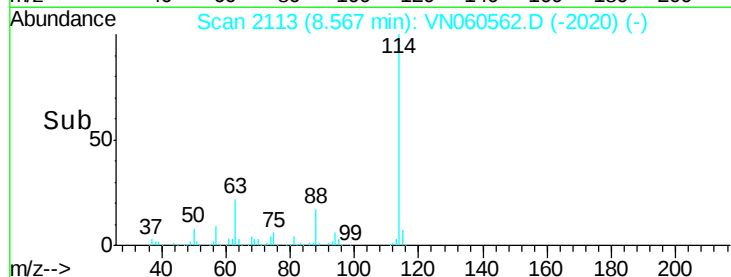
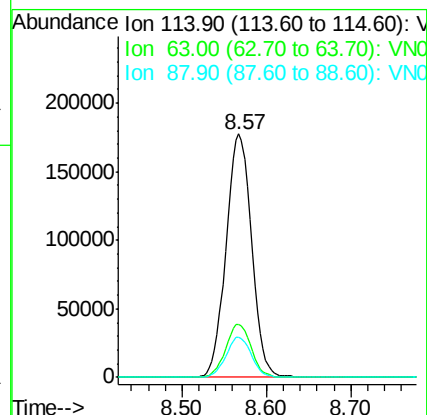
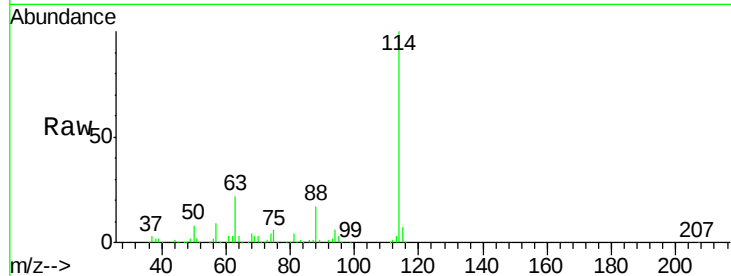
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. -0.00 min
 Lab File: VN060562.D
 Acq: 17 Mar 2020 17:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Resp Lower	Resp Upper
114	100		
63	21.9	0.0	43.8
88	16.7	0.0	33.0

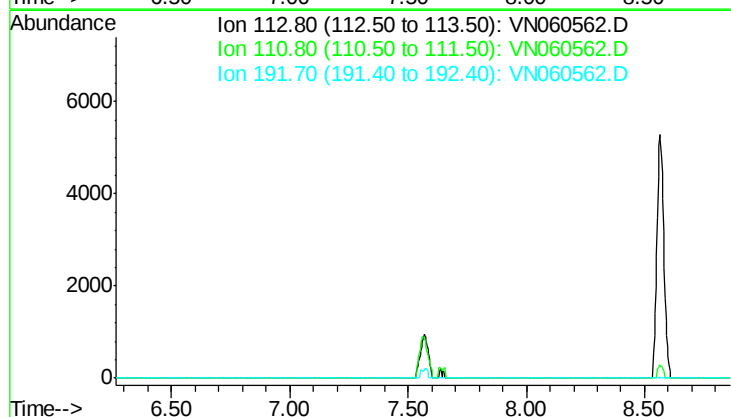
Manual Integrations
 APPROVED

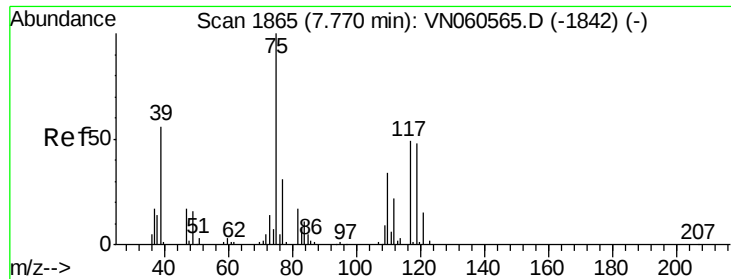
MMDadoda
 3/18/2020 7:00:34 PM



#35
 Dibromofluoromethane
 Concen: 0.000 ug/l
 Expected RT: 7.56 min
 Lab File: VN060562.D
 Acq: 17 Mar 2020 17:42

Tgt Ion	Exp Ratio
113	100
111	103.6
192	19.8





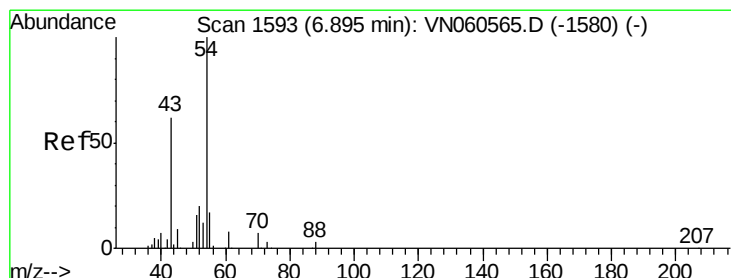
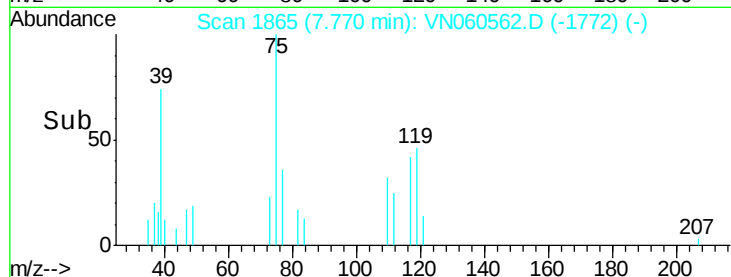
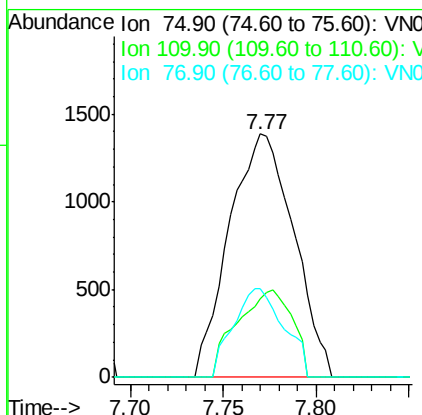
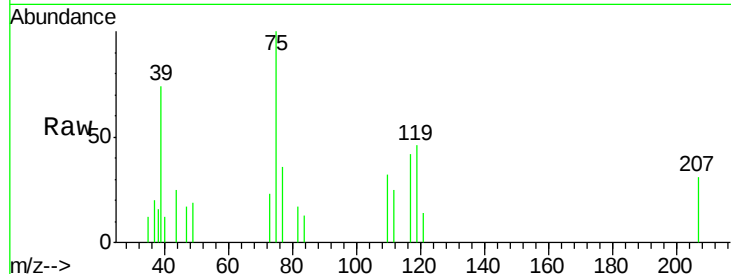
#36
 1,1-Dichloropropene
 Concen: 0.923 ug/l
 RT: 7.77 min Scan# 1865
 Delta R.T. -0.00 min
 Lab File: VN060562.D
 Acq: 17 Mar 2020 17:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
75	100		
110	30.6	16.9	50.6
77	28.7	24.6	36.8

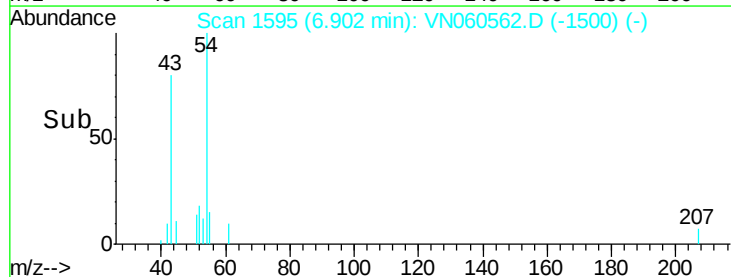
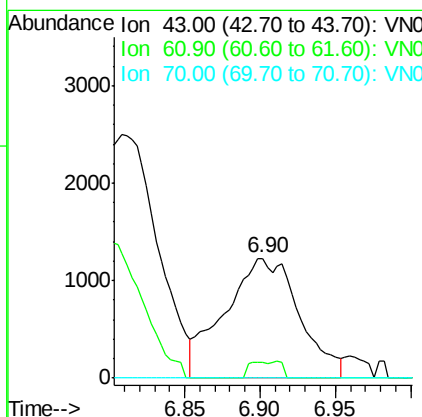
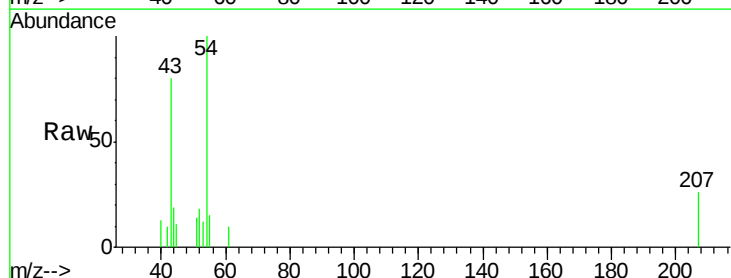
Manual Integrations
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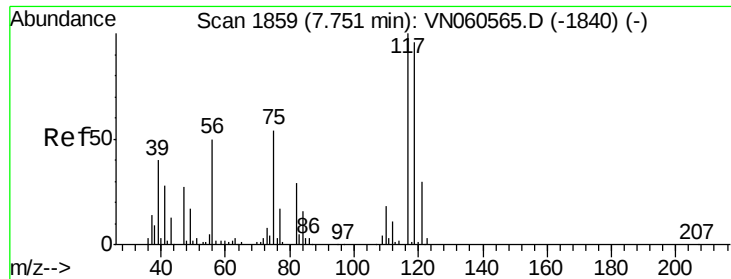
MMDadoda
 3/18/2020 7:00:34 PM



#37
 Ethyl Acetate
 Concen: 1.224 ug/l m
 RT: 6.90 min Scan# 1595
 Delta R.T. 0.01 min
 Lab File: VN060562.D
 Acq: 17 Mar 2020 17:42

Tgt Ion	Ratio	Lower	Upper
43	100		
61	3.6	10.6	15.8#
70	0.0	7.9	11.9#





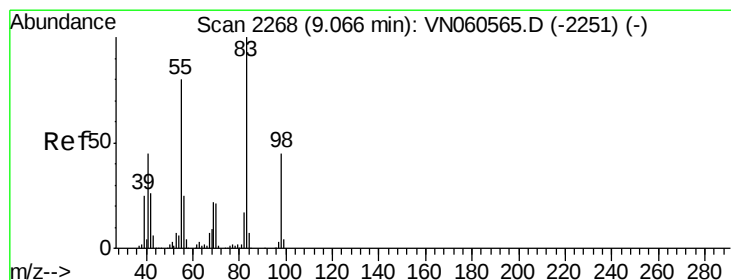
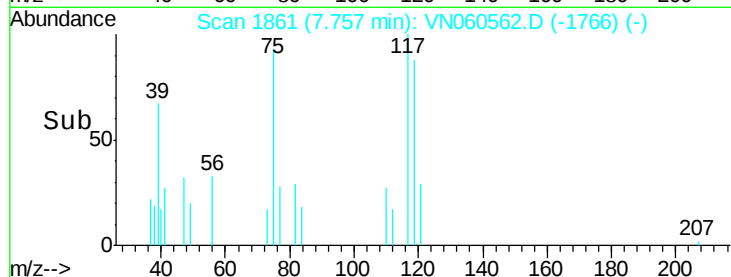
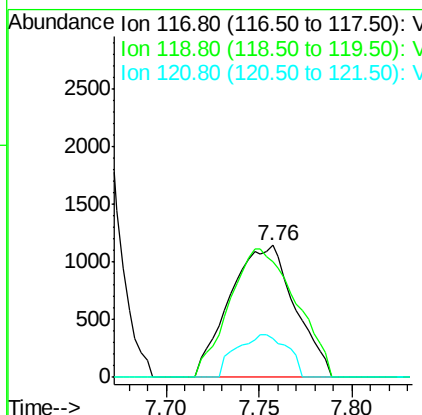
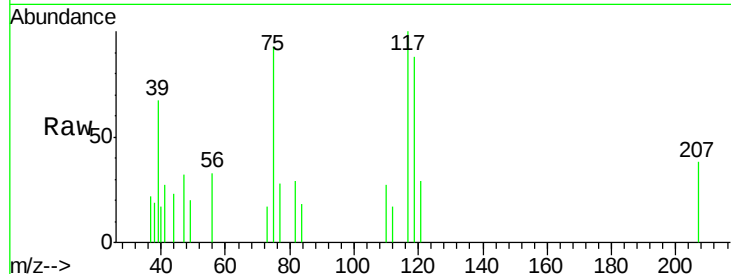
#38
Carbon Tetrachloride
Concen: 0.807 ug/l
RT: 7.76 min Scan# 1861
Delta R.T. 0.01 min
Lab File: VN060562.D
Acq: 17 Mar 2020 17:42

Instrument :
MSVOA_N
ClientSampled :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
117	100		
119	88.2	76.2	114.2
121	29.2	23.7	35.5

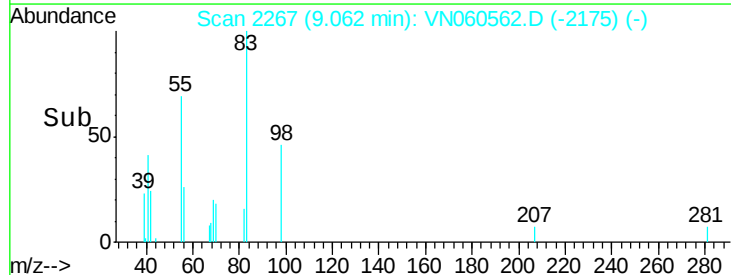
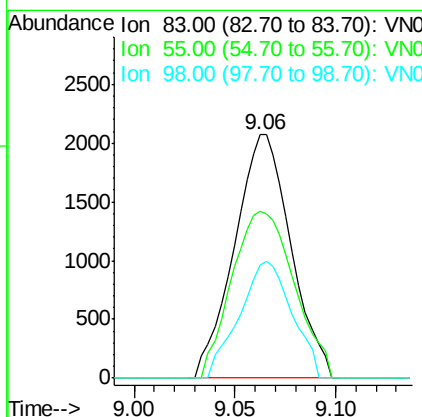
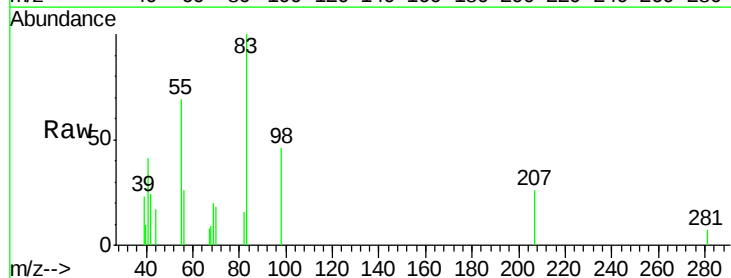
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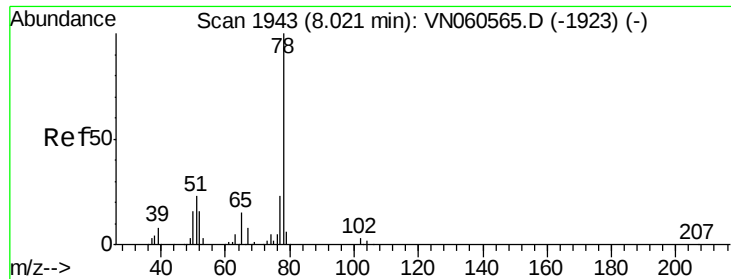
MMDadoda
3/18/2020 7:00:34 PM



#39
Methylcyclohexane
Concen: 0.947 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. -0.00 min
Lab File: VN060562.D
Acq: 17 Mar 2020 17:42

Tgt Ion	Ratio	Lower	Upper
83	100		
55	68.8	63.6	95.4
98	46.2	36.0	54.0





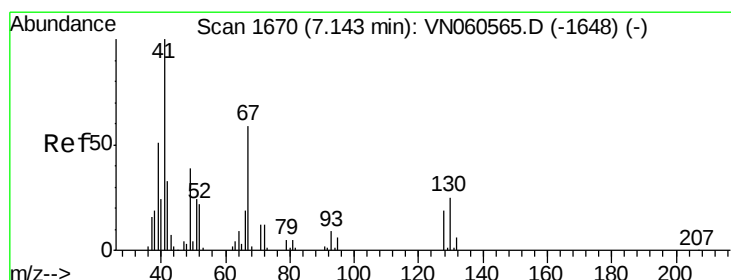
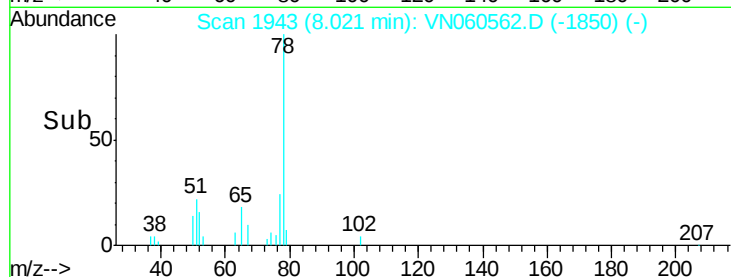
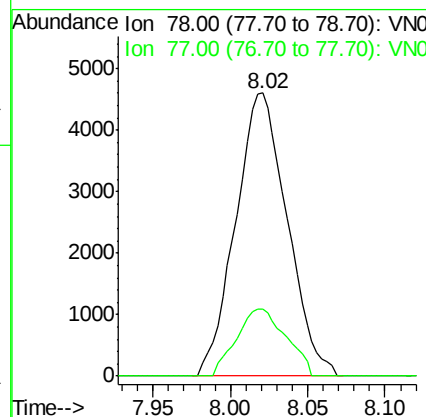
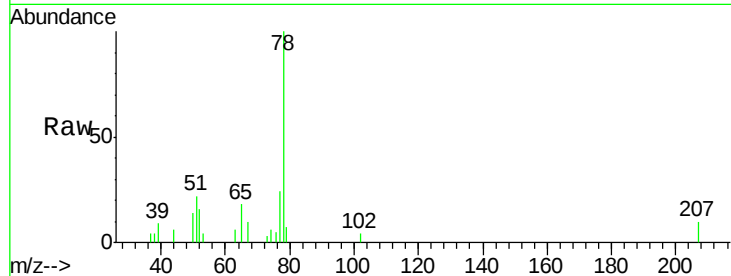
#40
Benzene
Concen: 1.013 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. -0.00 min
Lab File: VN060562.D
Acq: 17 Mar 2020 17:42

Instrument :
MSVOA_N
ClientSampled :
VSTDIC001

Tot Ion: 78 Resp: 10662
Ion Ratio Lower Upper
78 100
77 23.8 18.6 28.0

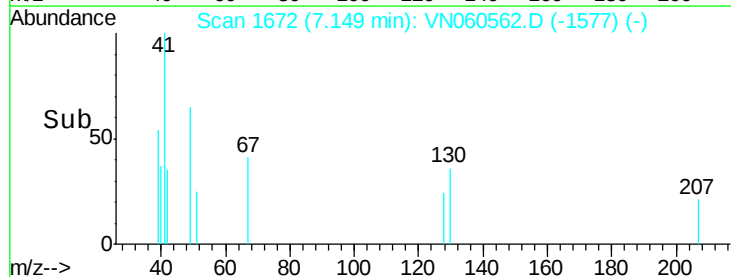
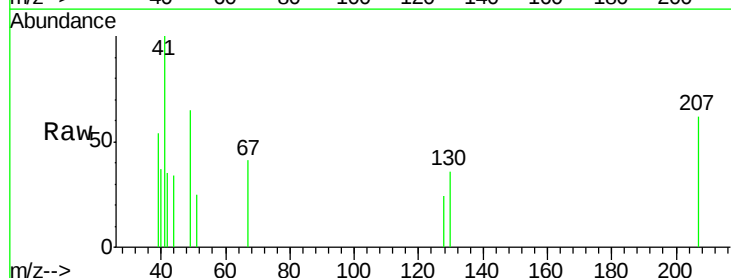
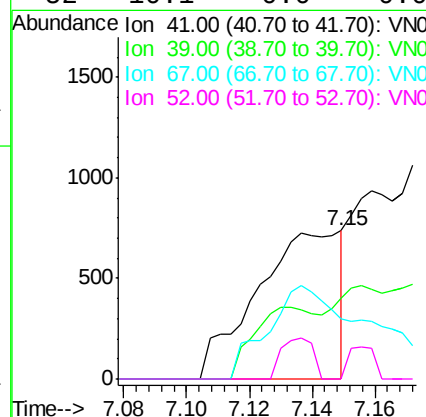
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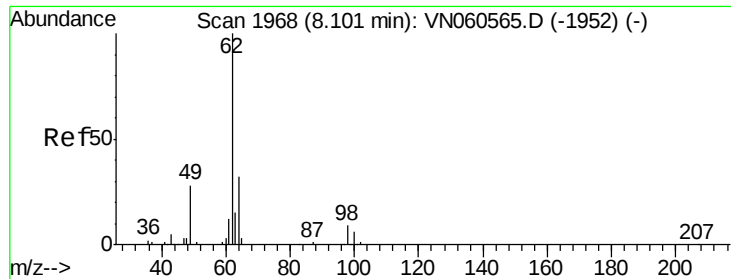
MMDadoda
3/18/2020 7:00:34 PM



#41
Methacrylonitrile
Concen: 0.879 ug/l m
RT: 7.15 min Scan# 1672
Delta R.T. 0.01 min
Lab File: VN060562.D
Acq: 17 Mar 2020 17:42

Tgt Ion: 41 Resp: 1380
Ion Ratio Lower Upper
41 100
39 37.0 0.0 0.0#
67 73.3 0.0 0.0#
52 10.1 0.0 0.0#





#42

1,2-Dichloroethane

Concen: 0.937 ug/l

RT: 8.10 min Scan# 1968

Delta R.T. -0.00 min

Lab File: VN060562.D

Acq: 17 Mar 2020 17:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion: 62 Resp: 3519

Ion Ratio Lower Upper

62 100

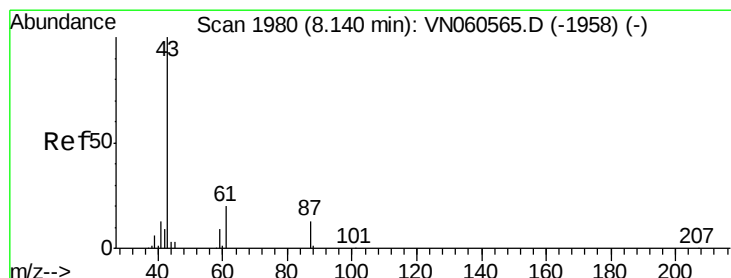
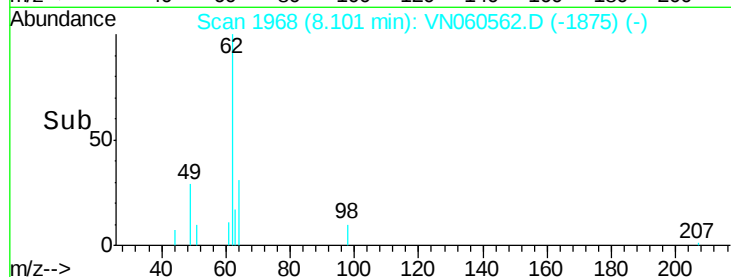
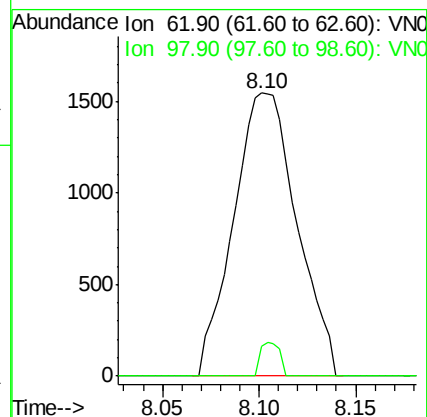
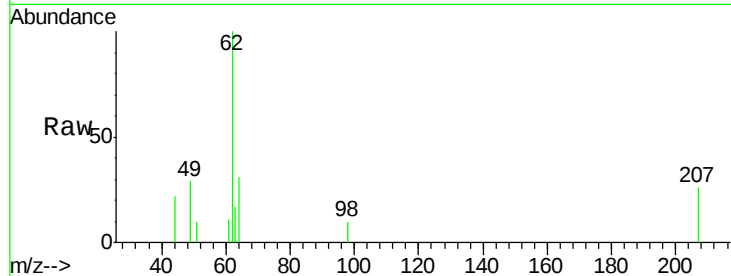
98 3.7 0.0 17.8

Manual Integrations

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3/18/2020 7:00:34 PM



#43

Isopropyl Acetate

Concen: 0.995 ug/l

RT: 8.14 min Scan# 1981

Delta R.T. 0.00 min

Lab File: VN060562.D

Acq: 17 Mar 2020 17:42

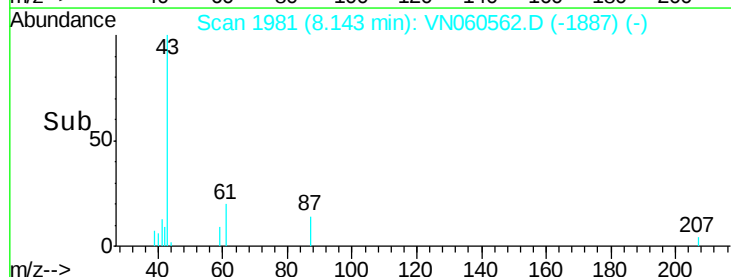
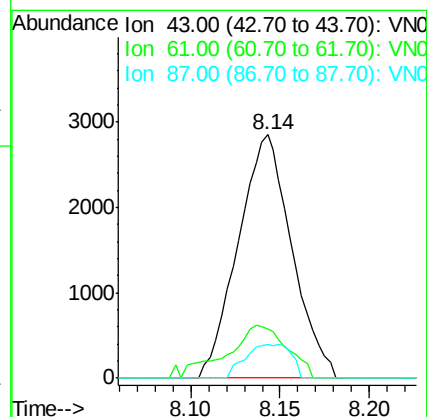
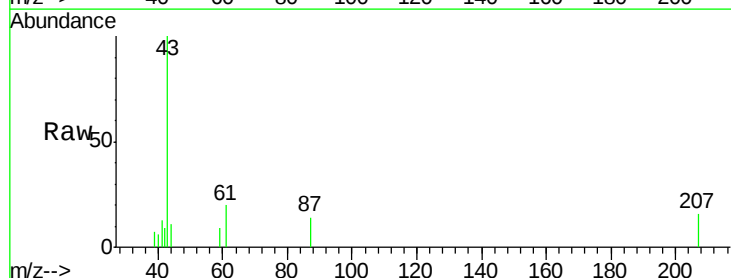
Tgt Ion: 43 Resp: 5976

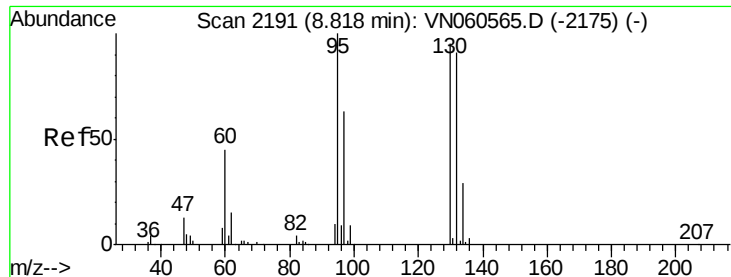
Ion Ratio Lower Upper

43 100

61 24.6 20.7 31.1

87 11.7 9.8 14.8





#44

Trichloroethene

Concen: 0.883 ug/l

RT: 8.82 min Scan# 2191

Delta R.T. -0.00 min

Lab File: VN060562.D

Acq: 17 Mar 2020 17:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion:130 Resp: 2559

Ion Ratio Lower Upper

130 100

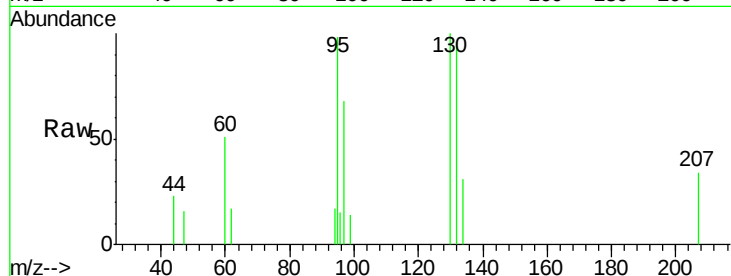
95 97.7 0.0 211.2

Manual Integrations

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3/18/2020 7:00:34 PM



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VN0

8.82

1500

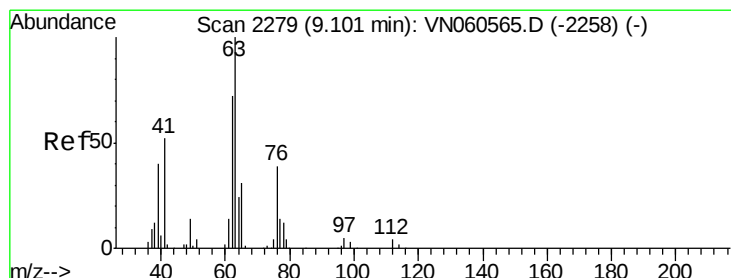
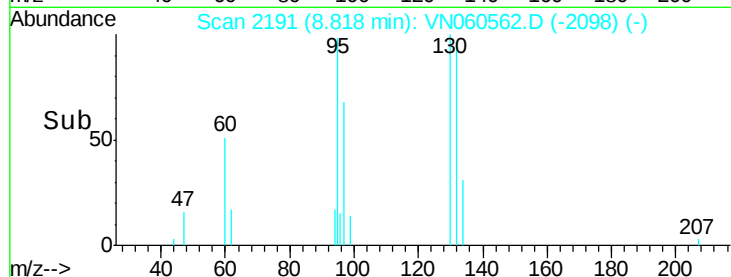
1000

500

0

8.80 8.85

Time-->



#45

1,2-Dichloropropane

Concen: 0.980 ug/l

RT: 9.10 min Scan# 2279

Delta R.T. -0.00 min

Lab File: VN060562.D

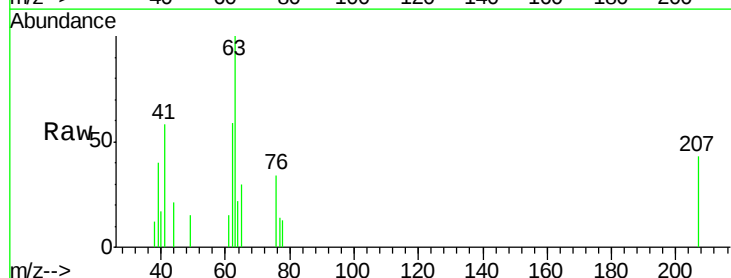
Acq: 17 Mar 2020 17:42

Tgt Ion: 63 Resp: 2693

Ion Ratio Lower Upper

63 100

65 29.9 25.4 38.0



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0

9.10

1500

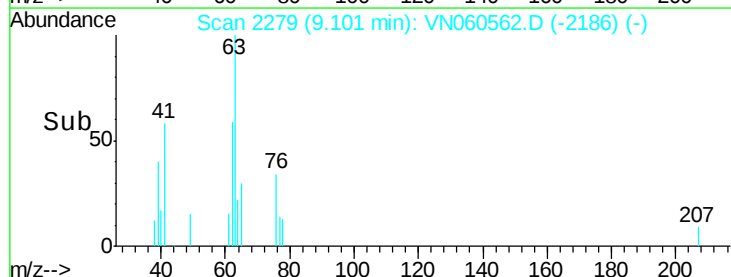
1000

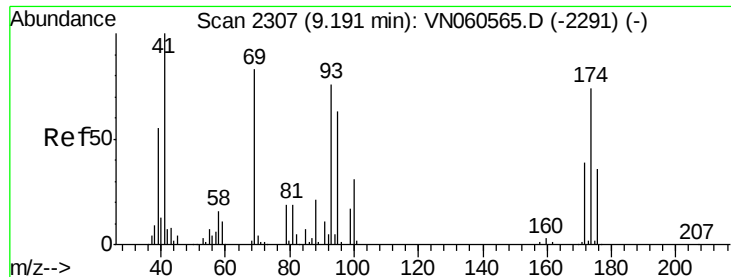
500

0

9.05 9.10 9.15

Time-->





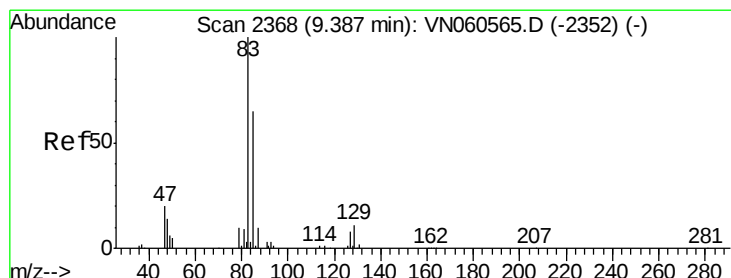
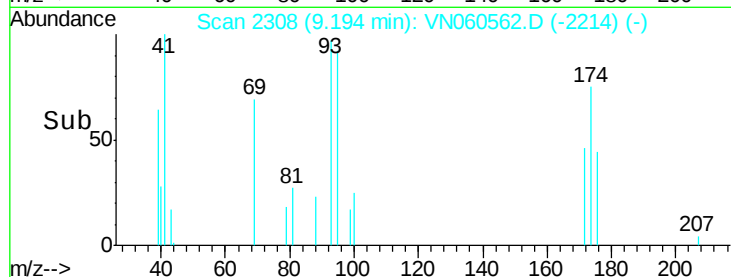
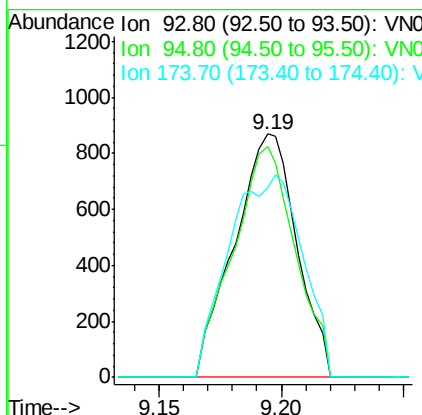
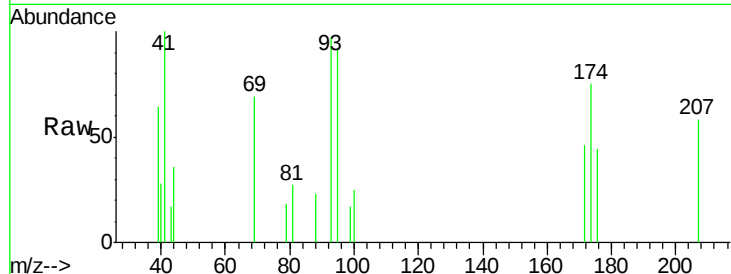
#46
Dibromomethane
Concen: 0.870 ug/l
RT: 9.19 min Scan# 2307
Delta R.T. 0.00 min
Lab File: VN060562.D
Acq: 17 Mar 2020 17:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion: 93 Resp: 1539
Ion Ratio Lower Upper
93 100
95 94.5 66.2 99.4
174 98.8 77.9 116.9

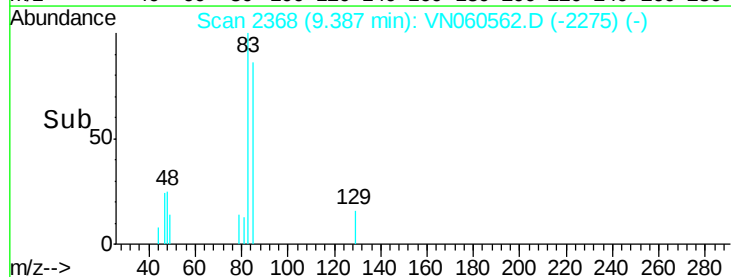
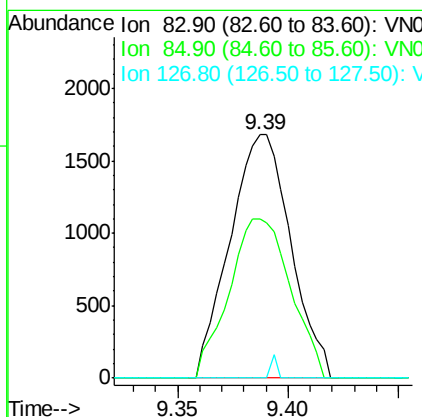
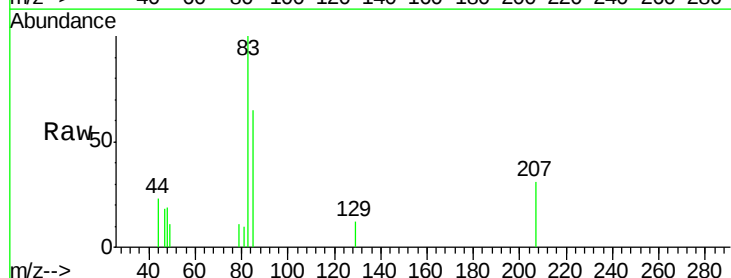
Manual Integrations
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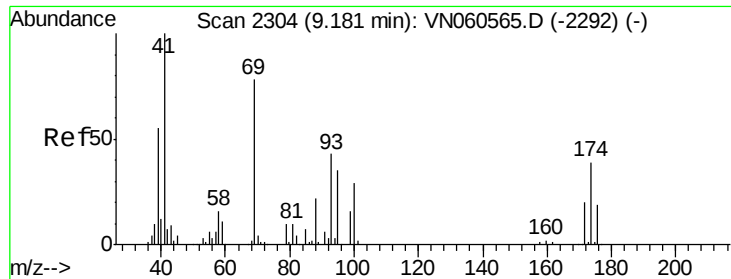
MMDadoda
3/18/2020 7:00:34 PM



#47
Bromodichloromethane
Concen: 0.895 ug/l
RT: 9.39 min Scan# 2368
Delta R.T. -0.00 min
Lab File: VN060562.D
Acq: 17 Mar 2020 17:42

Tgt Ion: 83 Resp: 3217
Ion Ratio Lower Upper
83 100
85 65.4 51.8 77.6
127 0.0 6.5 9.7#





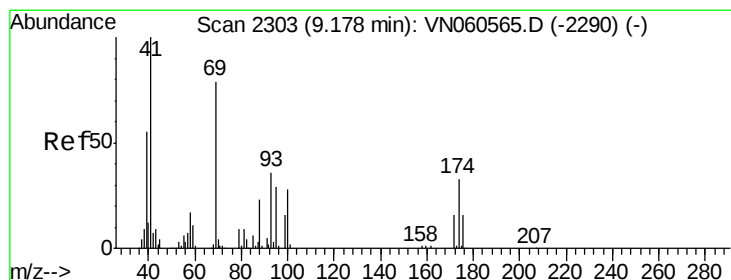
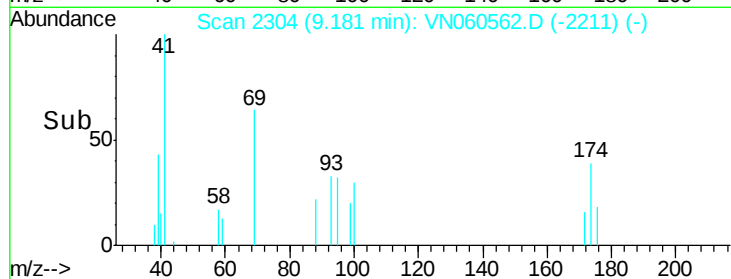
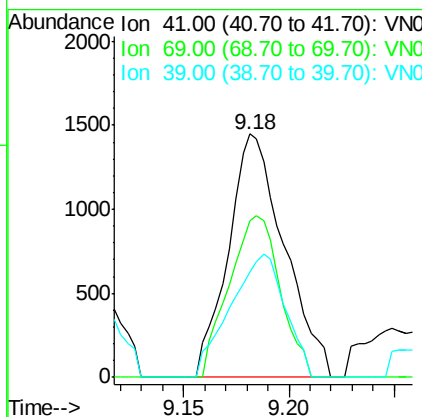
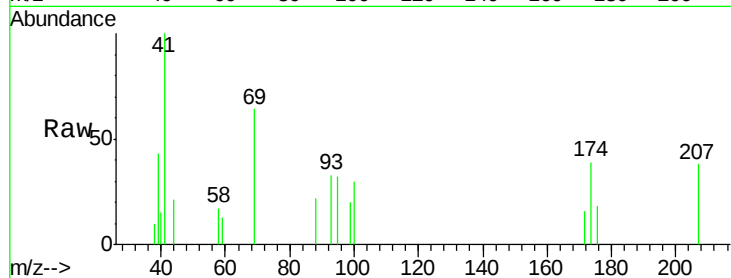
#48
Methvl methacrylate
Concen: 0.975 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. -0.00 min
Lab File: VN060562.D
Acq: 17 Mar 2020 17:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Resp	Lower	Upper
41	100	2669		
69	60.6		65.4	98.0#
39	49.6		44.0	66.0

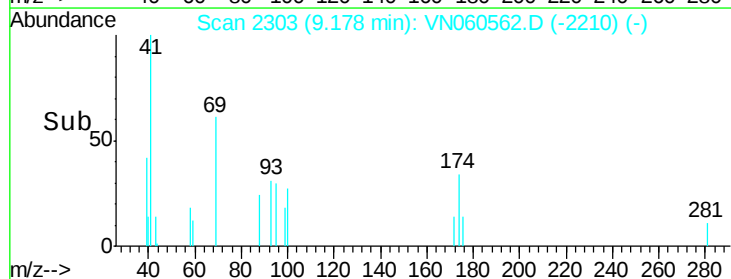
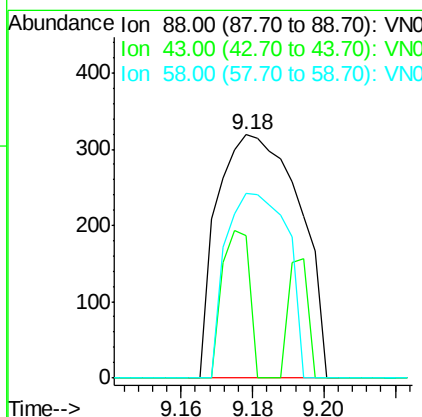
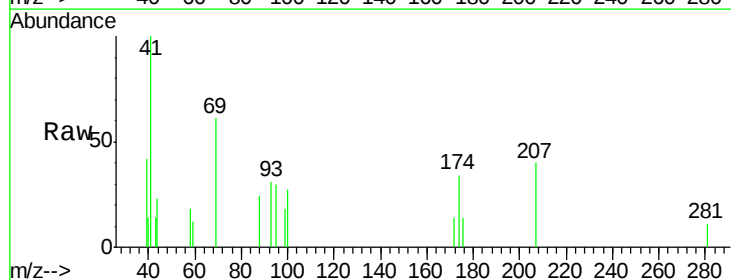
Manual Integrations
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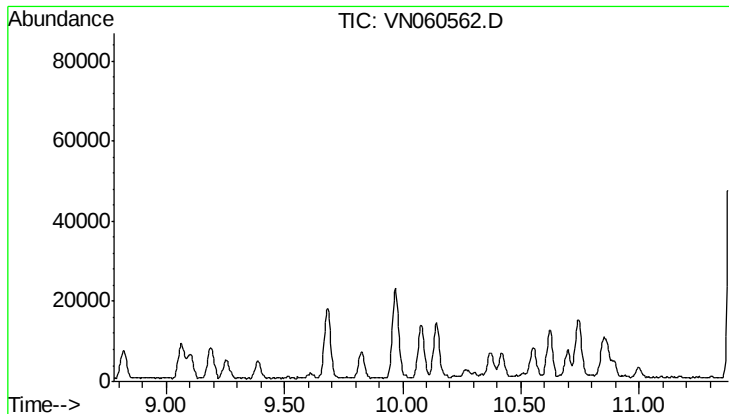
MMDadoda
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#49
1,4-Dioxane
Concen: 13.338 ug/l
RT: 9.18 min Scan# 2303
Delta R.T. -0.00 min
Lab File: VN060562.D
Acq: 17 Mar 2020 17:42

Tgt Ion	Ratio	Resp	Lower	Upper
88	100	506		
43	0.0		30.8	46.2#
58	57.1		59.8	89.8#





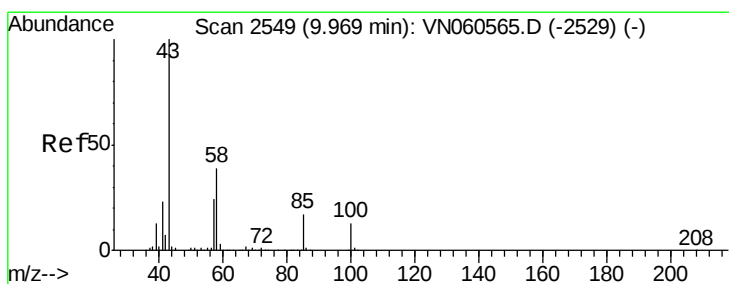
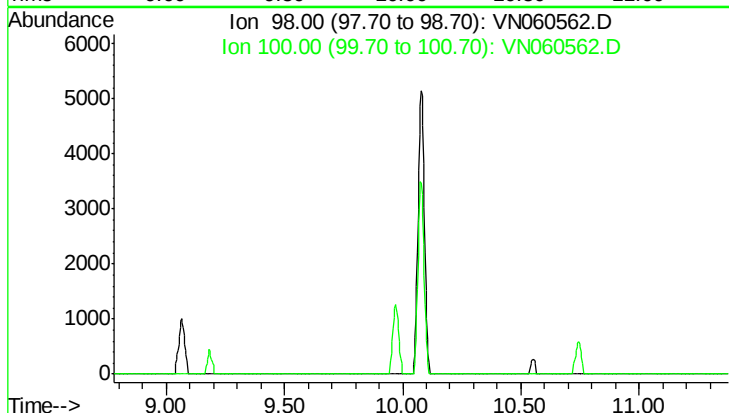
#50
Toluene-d8
Concen: 0.000 ug/l
Expected RT: 10.08 min

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion: 98
Sig Exp Ratio
98 100
100 64.8

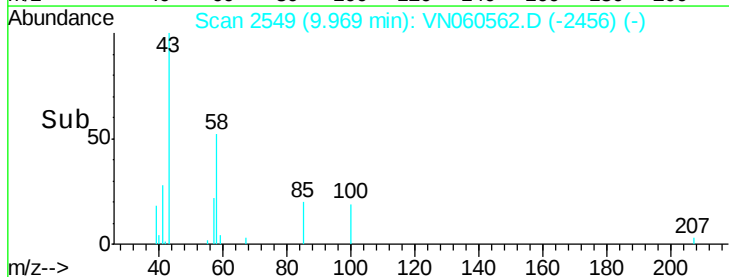
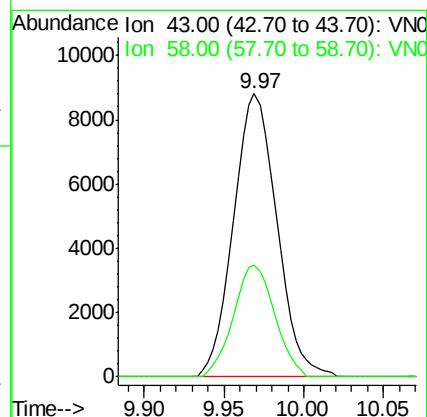
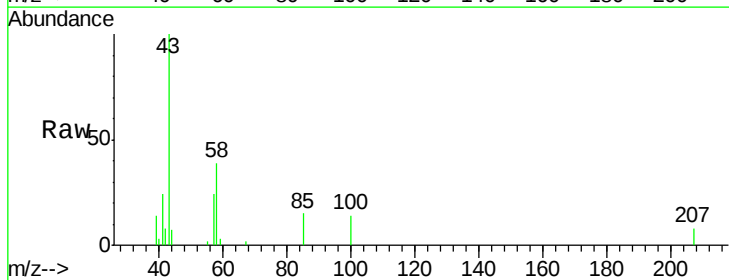
Manual Integrations
APPROVED

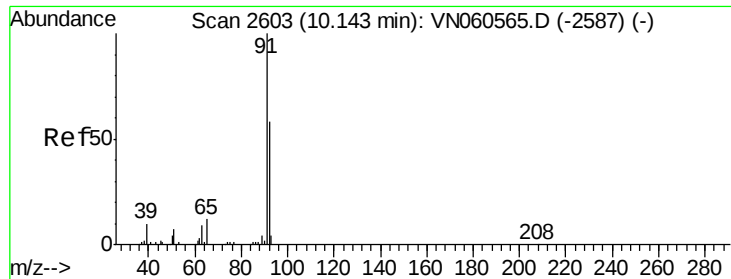
MMDadoda
3/18/2020 7:00:34 PM



#51
4-Methyl-2-Pentanone
Concen: 4.777 ug/l
RT: 9.97 min Scan# 2549
Delta R.T. -0.00 min
Lab File: VN060562.D
Acq: 17 Mar 2020 17:42

Tgt Ion: 43 Resp: 16305
Ion Ratio Lower Upper
43 100
58 37.5 30.8 46.2





#52

Toluene

Concen: 0.928 ug/l

RT: 10.14 min Scan# 2603

Delta R.T. -0.00 min

Lab File: VN060562.D

Acq: 17 Mar 2020 17:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion: 92 Resp: 6100

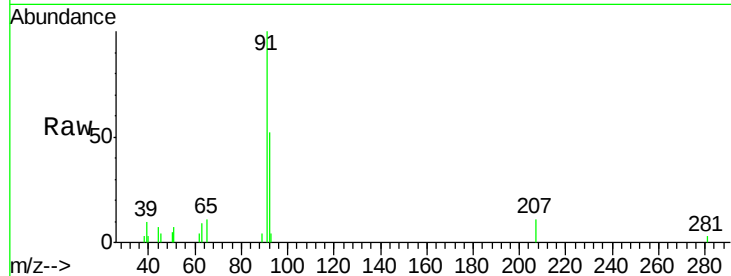
Ion Ratio Lower Upper

92 100

91 179.6 137.6 206.4

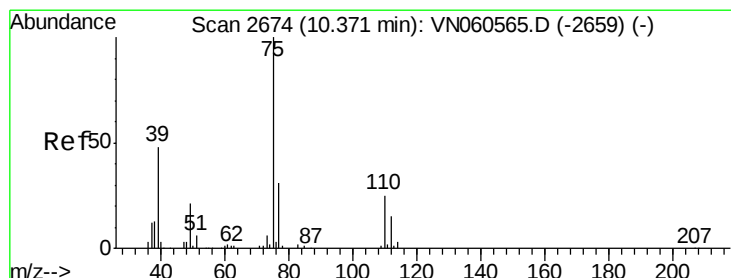
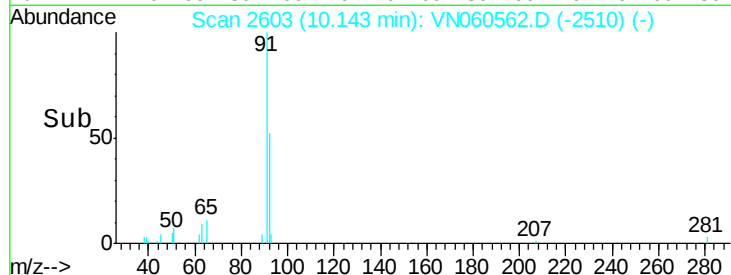
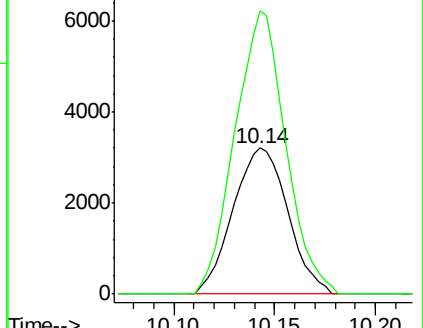
Manual Integrations
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3/18/2020 7:00:34 PM



Abundance Ion 92.00 (91.70 to 92.70): VN060562.D (-2510) (-)

Ion 91.00 (90.70 to 91.70): VN060562.D (-2510) (-)



#53

t-1,3-Dichloropropene

Concen: 0.840 ug/l

RT: 10.37 min Scan# 2674

Delta R.T. -0.00 min

Lab File: VN060562.D

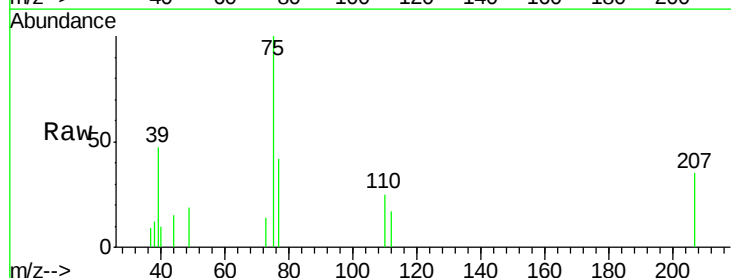
Acq: 17 Mar 2020 17:42

Tgt Ion: 75 Resp: 3697

Ion Ratio Lower Upper

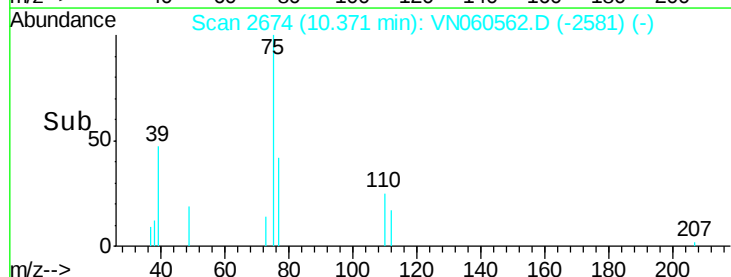
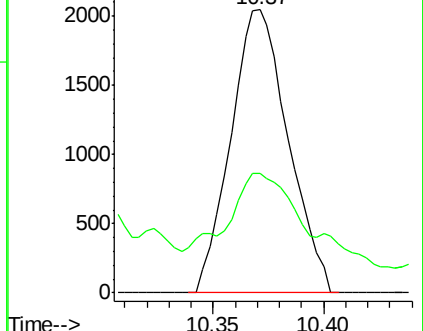
75 100

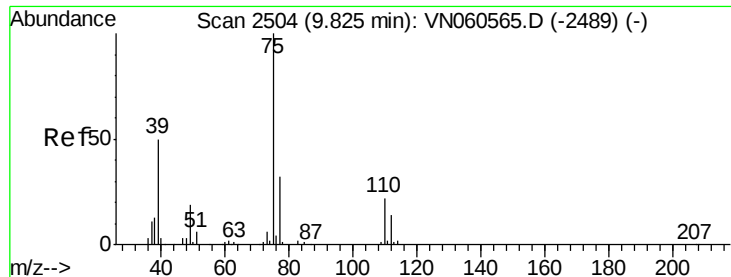
77 26.3 25.1 37.7



Abundance Ion 74.90 (74.60 to 75.60): VN060562.D (-2581) (-)

Ion 76.90 (76.60 to 77.60): VN060562.D (-2581) (-)





#54

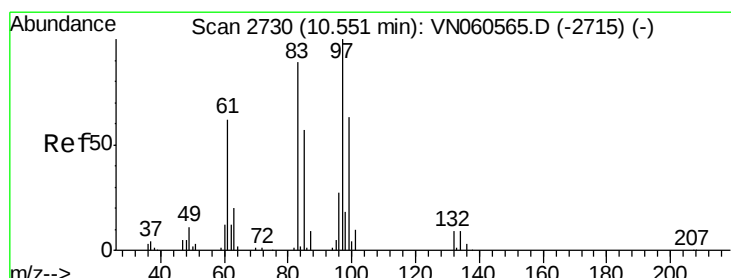
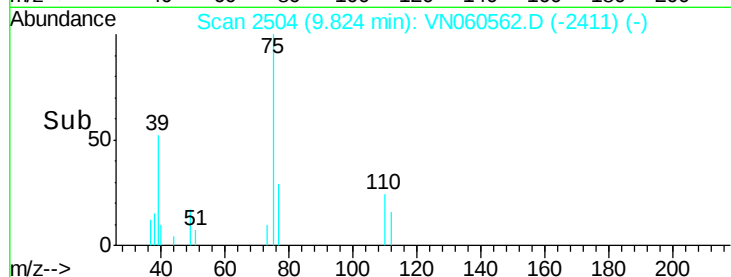
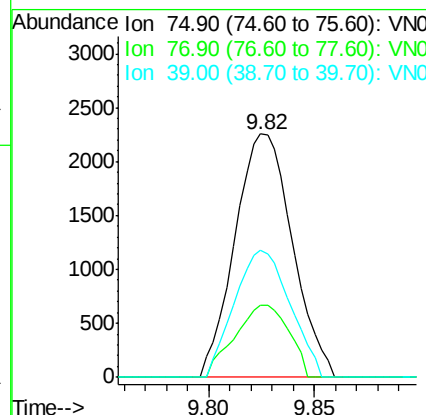
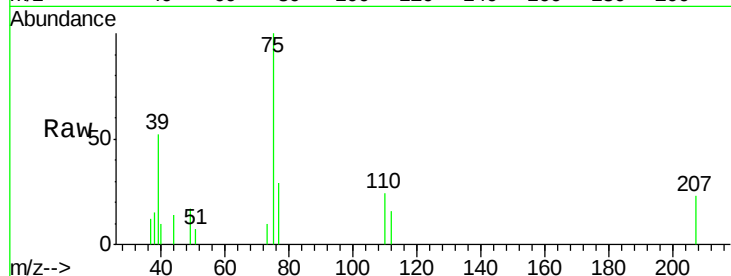
cis-1,3-Dichloropropene
Concen: 0.934 ug/l
RT: 9.82 min Scan# 2504
Delta R.T. -0.00 min
Lab File: VN060562.D
Acq: 17 Mar 2020 17:42

Instrument :
MSVOA_N
ClientSampled :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
75	100		
77	29.4	25.4	38.0
39	52.2	40.2	60.4

Manual Integrations
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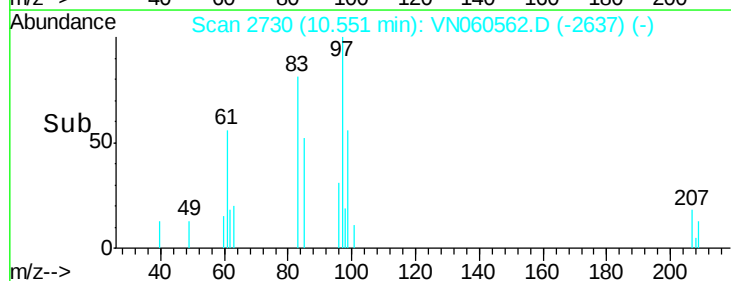
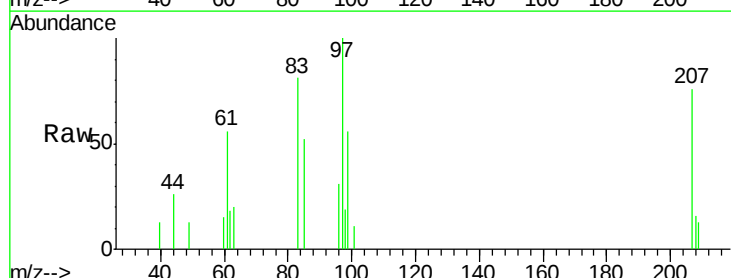
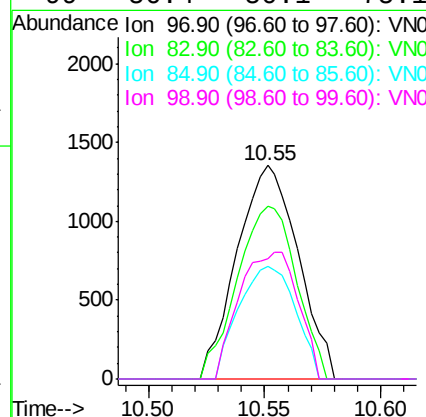
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3/18/2020 7:00:34 PM

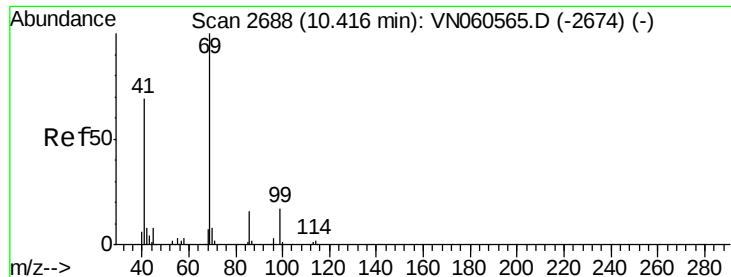


#55

1,1,2-Trichloroethane
Concen: 0.943 ug/l
RT: 10.55 min Scan# 2730
Delta R.T. -0.00 min
Lab File: VN060562.D
Acq: 17 Mar 2020 17:42

Tgt Ion	Ratio	Lower	Upper
97	100		
83	81.0	71.3	106.9
85	52.5	45.2	67.8
99	56.4	50.1	75.1





#56

Ethyl methacrylate

Concen: 0.810 ug/l

RT: 10.42 min Scan# 2689

Delta R.T. 0.00 min

Lab File: VN060562.D

Acq: 17 Mar 2020 17:42

Instrument :

MSVOA_N

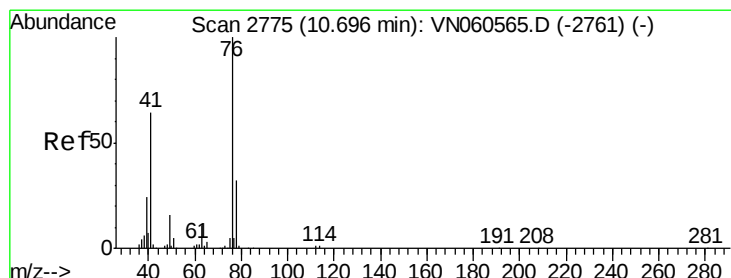
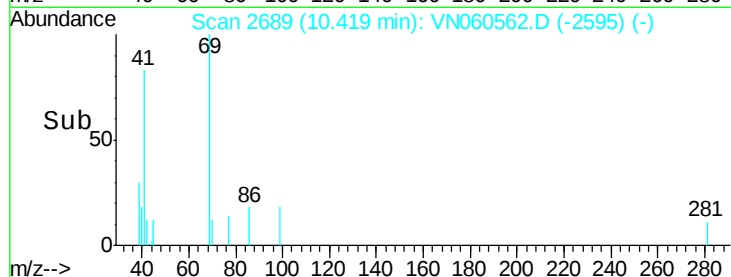
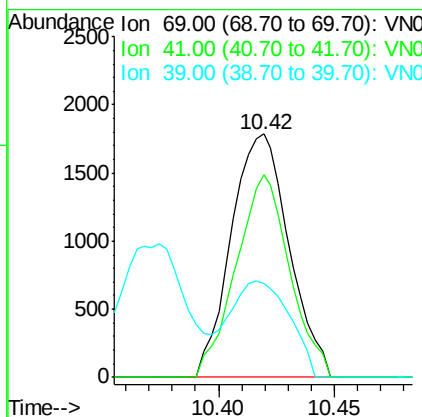
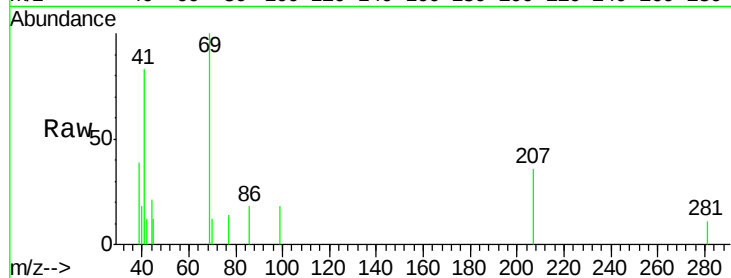
ClientSampled :

VSTDIC001

Tot Ion:	69	Resp:	3091
Ion	Ratio	Lower	Upper
69	100		
41	77.1	55.4	83.2
39	41.3	29.4	44.0

Manual Integrations
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#57

1,3-Dichloropropane

Concen: 0.901 ug/l

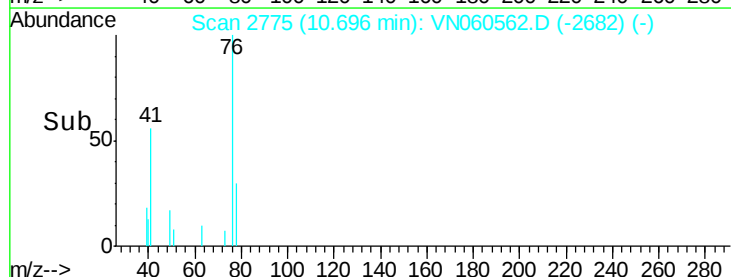
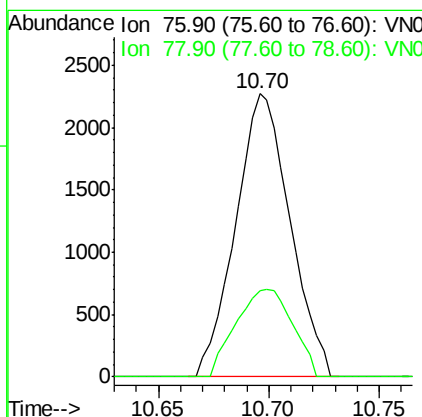
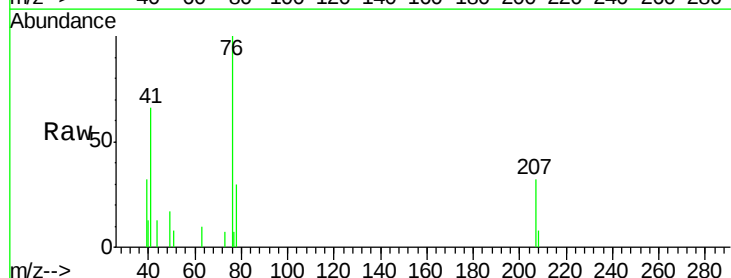
RT: 10.70 min Scan# 2775

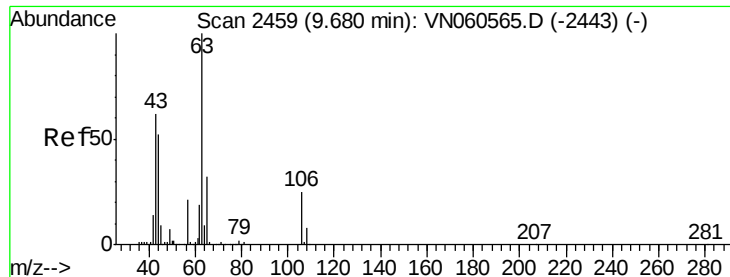
Delta R.T. -0.00 min

Lab File: VN060562.D

Acq: 17 Mar 2020 17:42

Tgt Ion:	76	Resp:	3887
Ion	Ratio	Lower	Upper
76	100		
78	32.2	25.8	38.6





#58

2-Chloroethyl Vinyl ether

Concen: 4.288 ug/l

RT: 9.68 min Scan# 2460

Delta R.T. 0.00 min

Lab File: VN060562.D

Acq: 17 Mar 2020 17:42

Instrument :

MSVOA_N

ClientSampled :

VSTDIC001

Tot Ion: 63 Resp: 8516

Ion Ratio Lower Upper

63 100

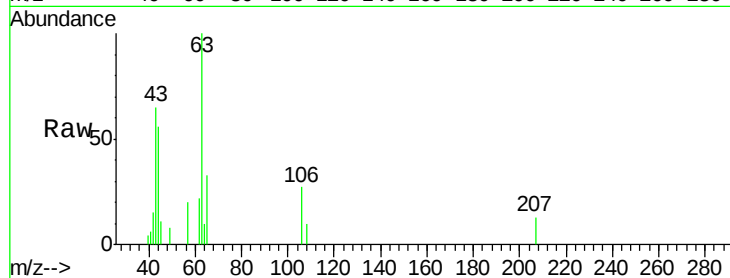
106 24.1 20.0 30.0

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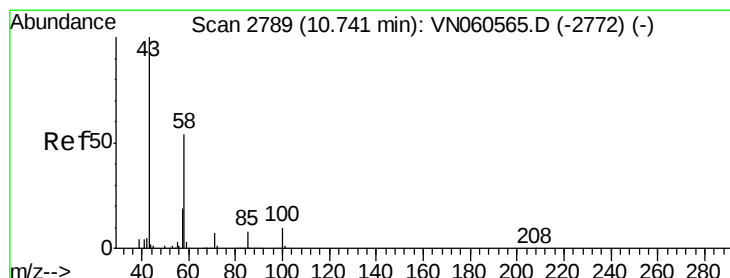
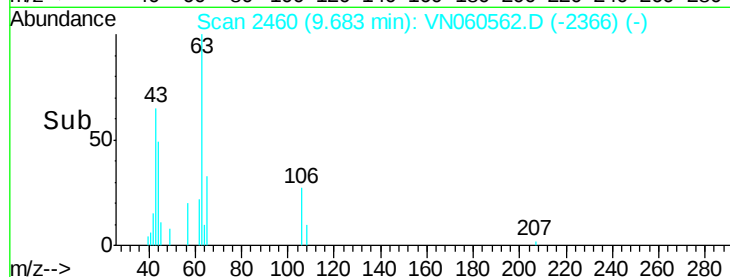
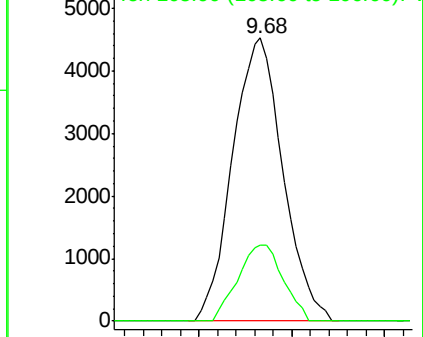
MMDadoda

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Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): VN0



#59

2-Hexanone

Concen: 4.319 ug/l

RT: 10.74 min Scan# 2790

Delta R.T. 0.00 min

Lab File: VN060562.D

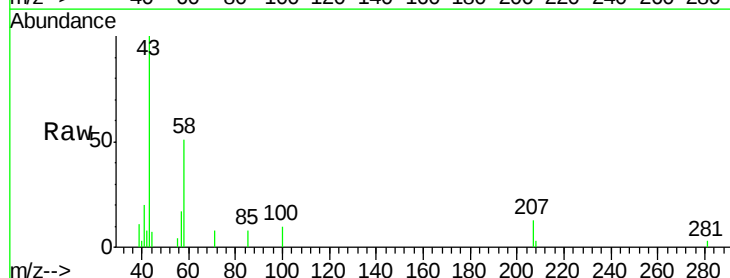
Acq: 17 Mar 2020 17:42

Tgt Ion: 43 Resp: 10812

Ion Ratio Lower Upper

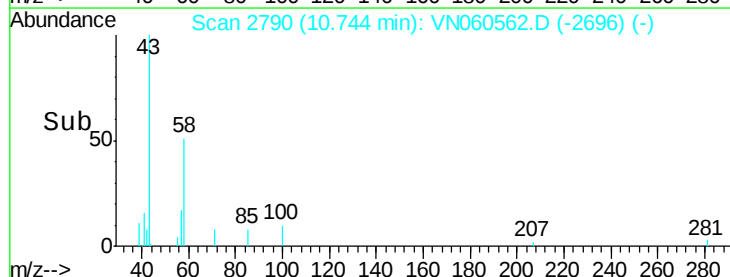
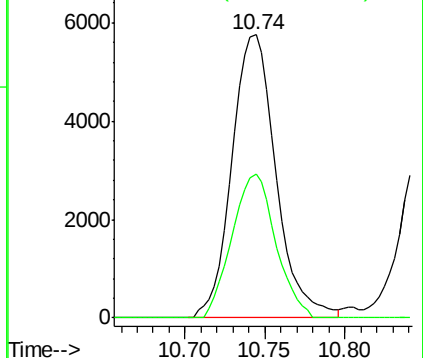
43 100

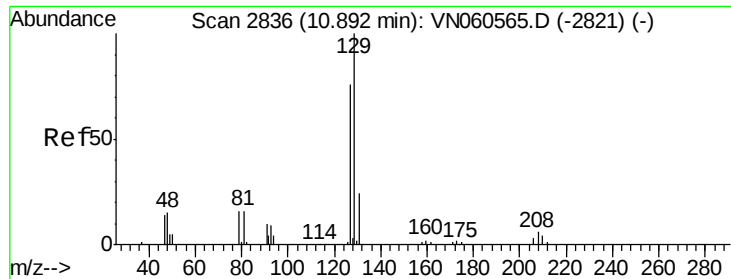
58 50.1 26.7 80.1



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#60

Dibromochloromethane

Concen: 0.827 ug/l

RT: 10.89 min Scan# 2836

Delta R.T. -0.00 min

Lab File: VN060562.D

Acq: 17 Mar 2020 17:42

Instrument :

MSVOA_N

ClientSampled :

VSTDIC001

Tot Ion:129 Resp: 2211

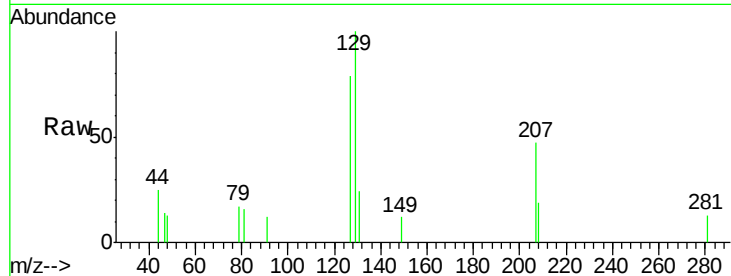
Ion Ratio Lower Upper

129 100

127 80.6 38.5 115.5

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Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

10.89

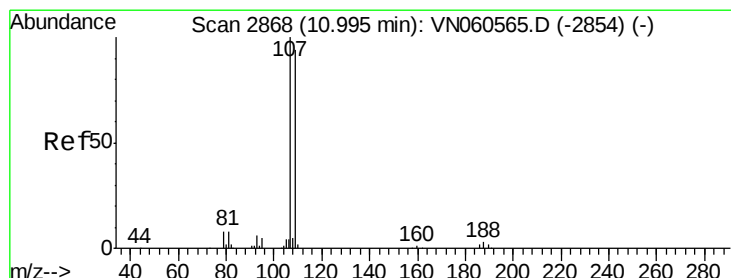
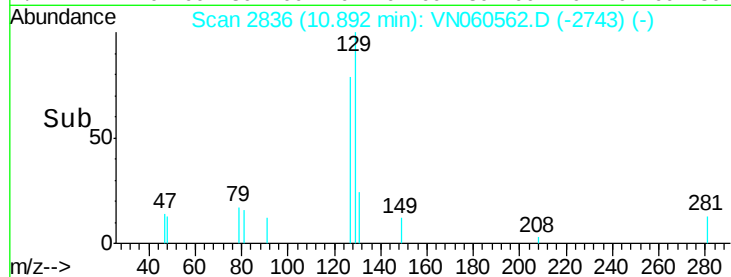
1500

1000

500

0

Time-->



#61

1,2-Dibromoethane

Concen: 0.842 ug/l

RT: 10.99 min Scan# 2868

Delta R.T. -0.00 min

Lab File: VN060562.D

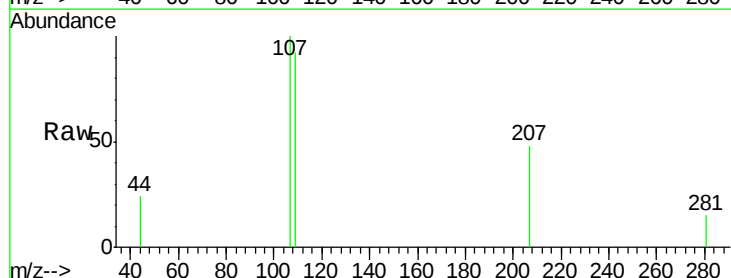
Acq: 17 Mar 2020 17:42

Tgt Ion:107 Resp: 2164

Ion Ratio Lower Upper

107 100

109 96.1 75.4 113.2



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

10.99

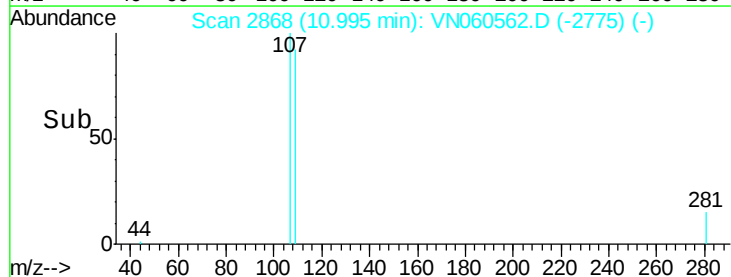
1500

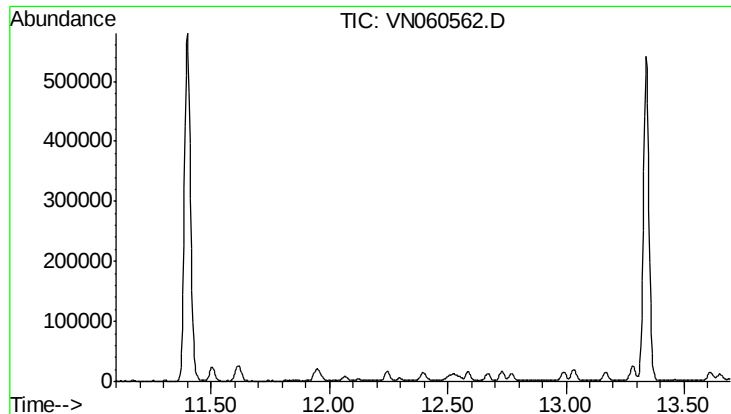
1000

500

0

Time-->





#62
 4-Bromofluorobenzene
 Concen: 0.000 ug/l
 Expected RT: 12.40 min

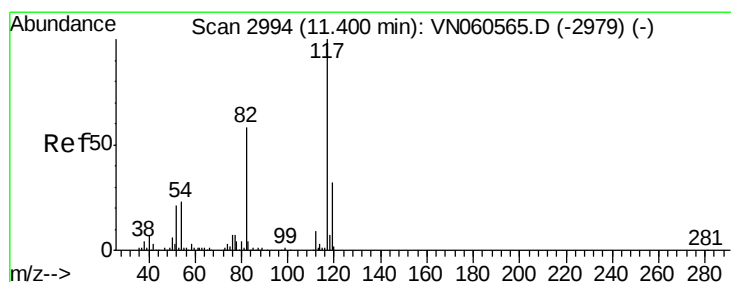
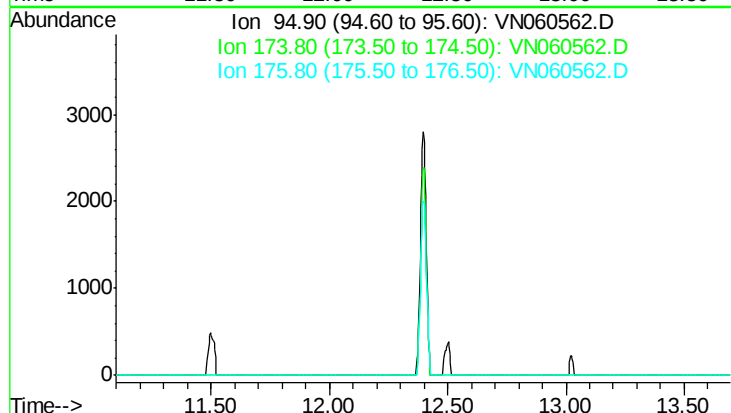
Lab File: VN060562.D
 Acq: 17 Mar 2020 17:42

Tot Ion	95
Sig	Exp Ratio
95	100
174	78.8
176	75.3

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

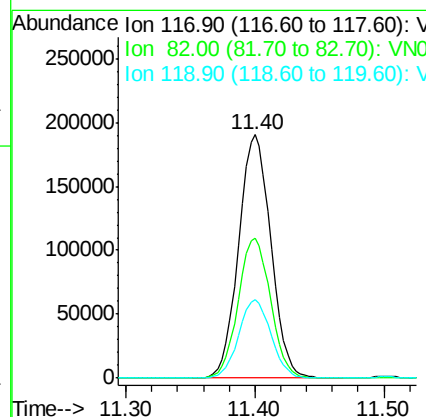
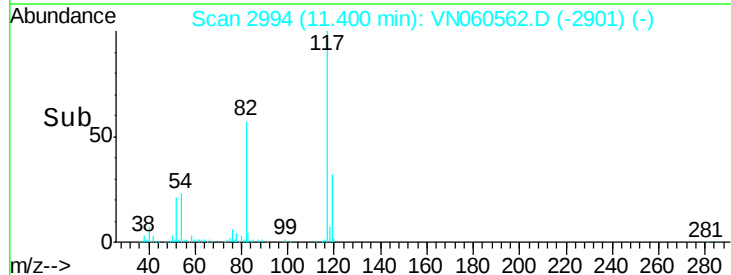
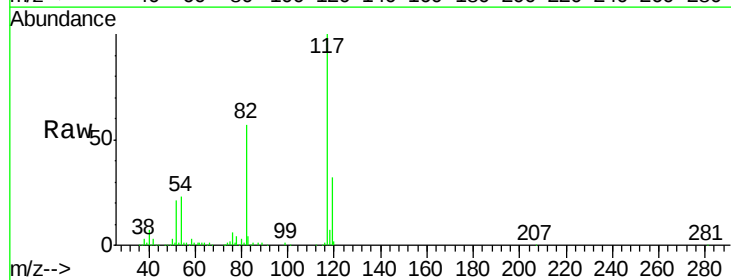
Manual Integrations
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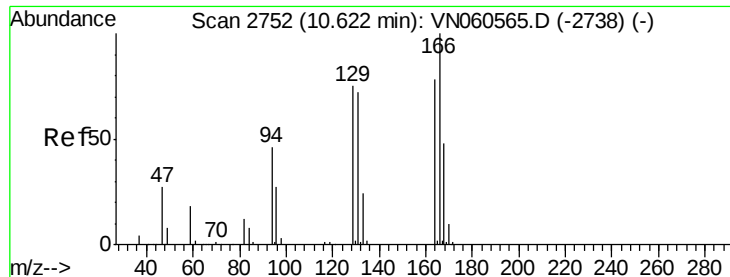
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 3/18/2020 7:00:34 PM



#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 11.40 min Scan# 2994
 Delta R.T. -0.00 min
 Lab File: VN060562.D
 Acq: 17 Mar 2020 17:42

Tgt Ion	117	Resp	330556
Ion Ratio	Lower	Upper	
117	100		
82	57.4	46.7	70.1
119	32.0	25.5	38.3





#64

Tetrachloroethene

Concen: 0.877 ug/l

RT: 10.62 min Scan# 2752

Delta R.T. -0.00 min

Lab File: VN060562.D

Acq: 17 Mar 2020 17:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion:164 Resp: 2564

Ion Ratio Lower Upper

164 100

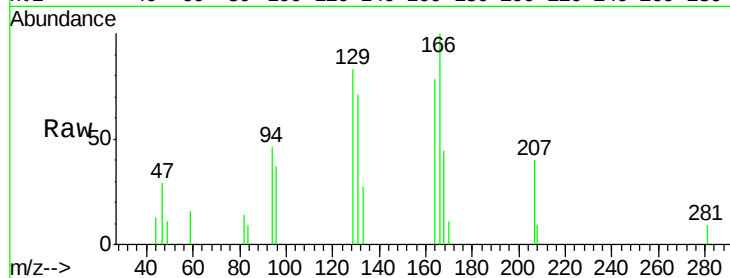
166 127.8 102.7 154.1

129 106.3 77.2 115.8

131 91.1 73.8 110.6

Manual Integrations
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3/18/2020 7:00:34 PM

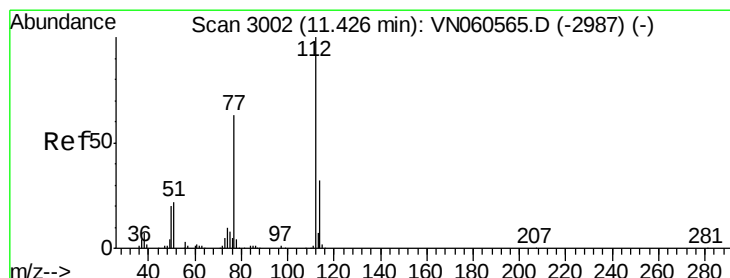
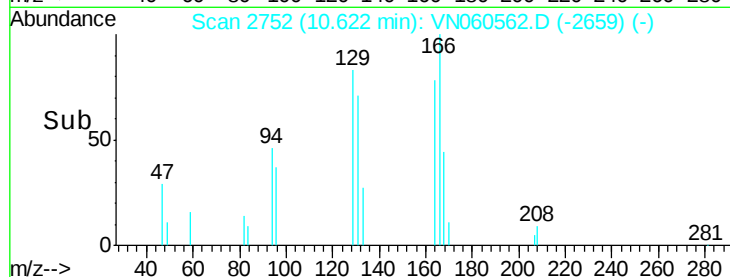
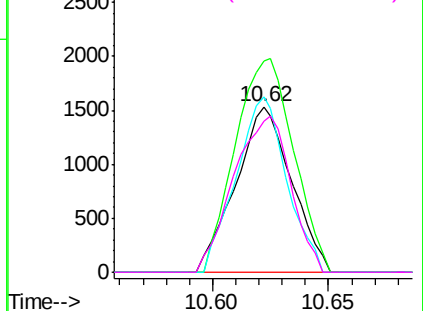


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#65

Chlorobenzene

Concen: 0.963 ug/l

RT: 11.43 min Scan# 3002

Delta R.T. -0.00 min

Lab File: VN060562.D

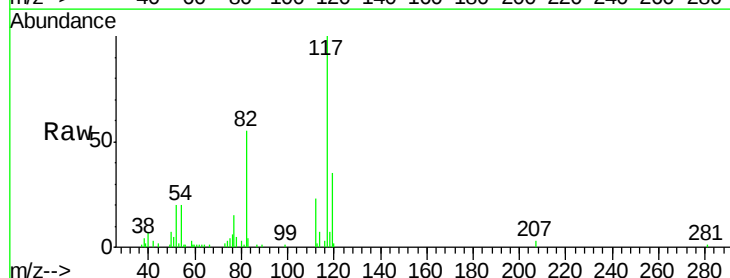
Acq: 17 Mar 2020 17:42

Tgt Ion:112 Resp: 6452

Ion Ratio Lower Upper

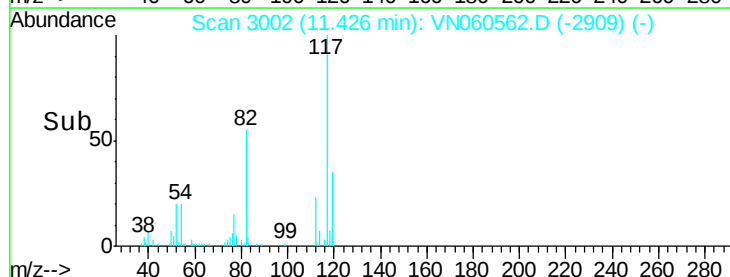
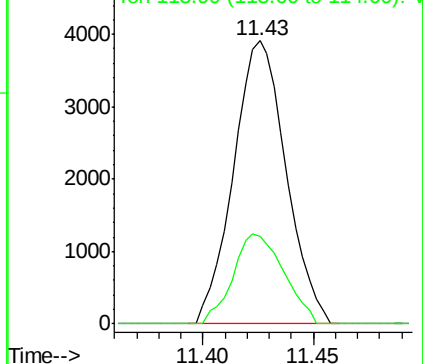
112 100

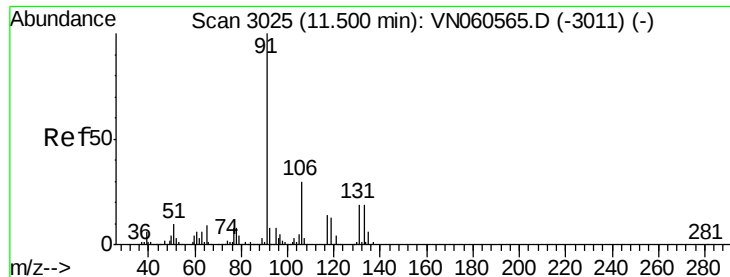
114 31.1 25.8 38.6



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V





#66

1,1,1,2-Tetrachloroethane

Concen: 0.889 ug/l

RT: 11.50 min Scan# 3025

Delta R.T. -0.00 min

Lab File: VN060562.D

Acq: 17 Mar 2020 17:42

Instrument :

MSVOA_N

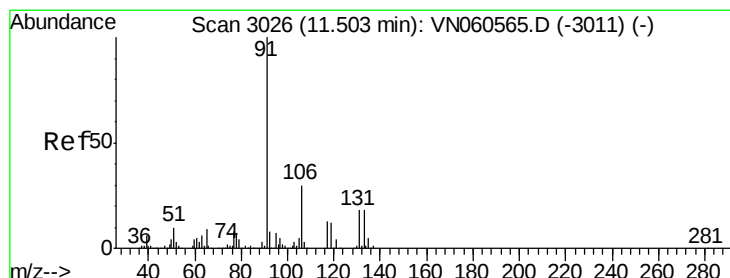
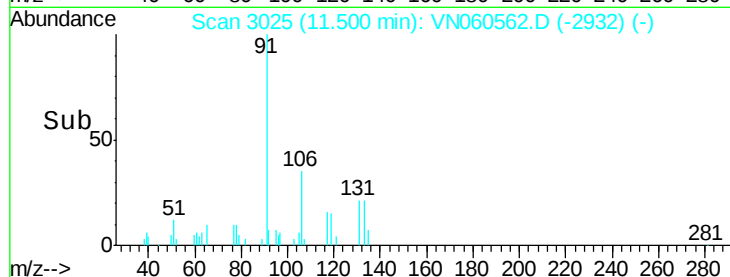
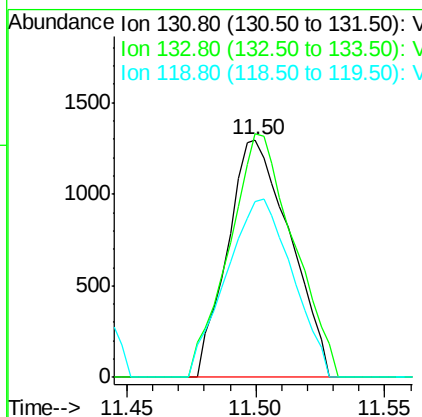
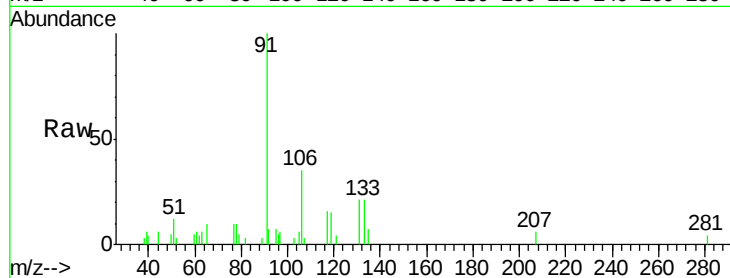
ClientSampleId :

VSTDIC001

Tot Ion	Ratio	Lower	Upper
131	100		
133	105.8	48.9	146.8
119	0.0	33.9	101.7#

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#67

Ethyl Benzene

Concen: 0.930 ug/l

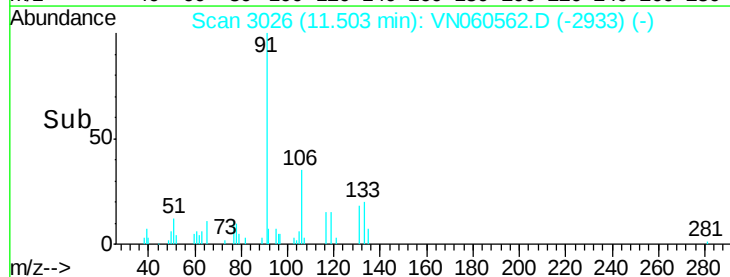
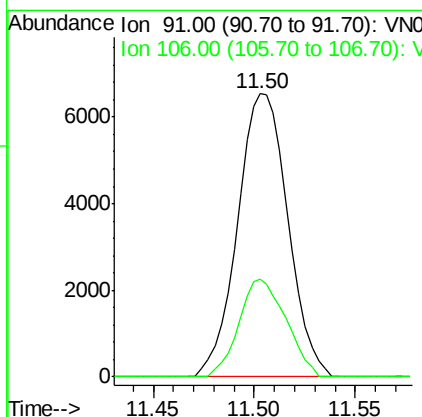
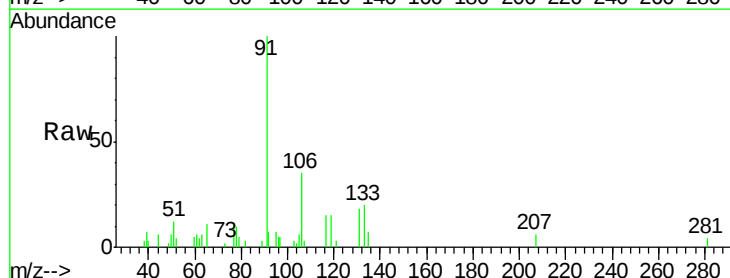
RT: 11.50 min Scan# 3026

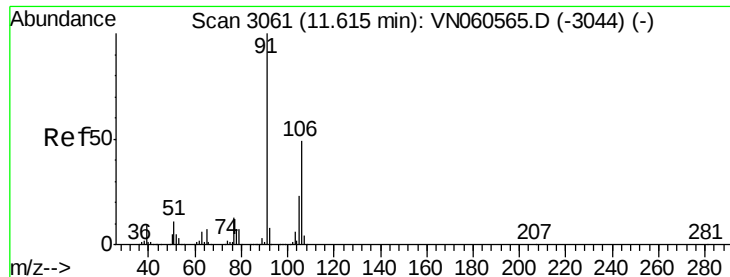
Delta R.T. -0.00 min

Lab File: VN060562.D

Acq: 17 Mar 2020 17:42

Tgt Ion	Ratio	Lower	Upper
91	100		
106	34.5	24.2	36.2





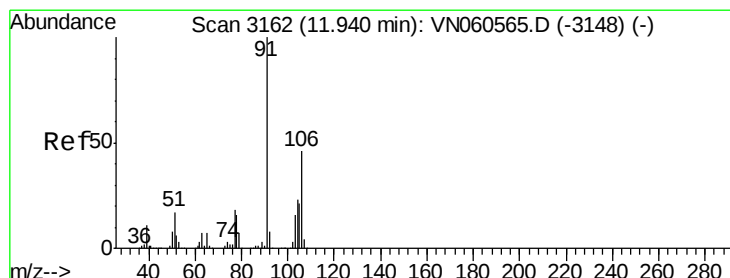
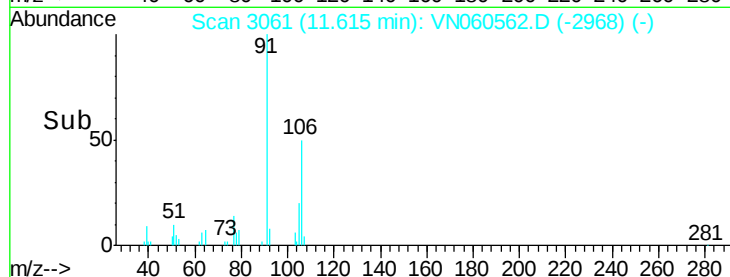
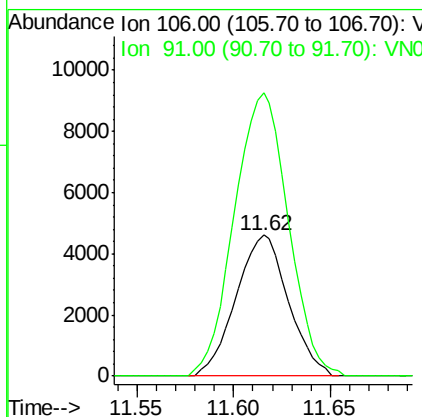
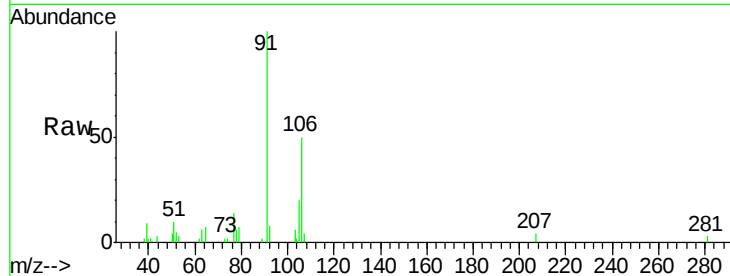
#68
m/p-Xylenes
Concen: 1.872 ug/l
RT: 11.62 min Scan# 3061
Delta R.T. -0.00 min
Lab File: VN060562.D
Acq: 17 Mar 2020 17:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion:106 Resp: 8657
Ion Ratio Lower Upper
106 100
91 207.0 165.0 247.4

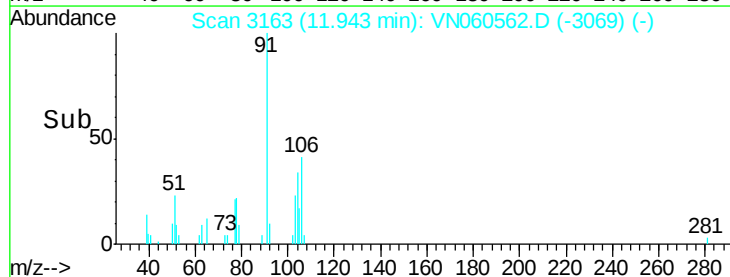
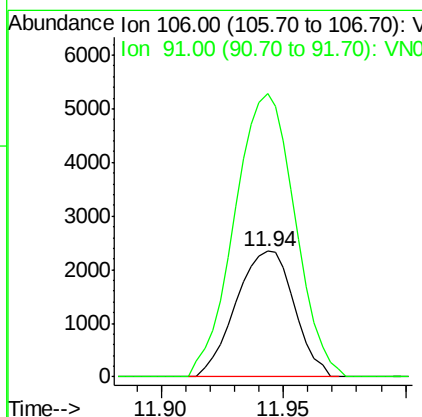
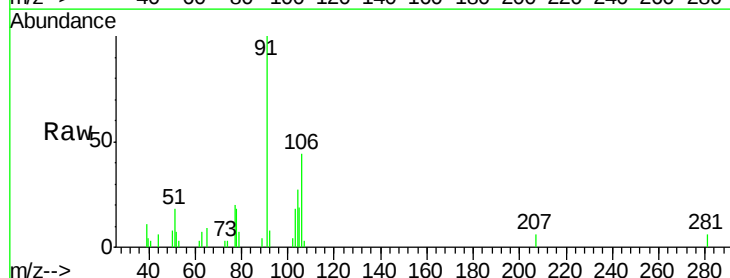
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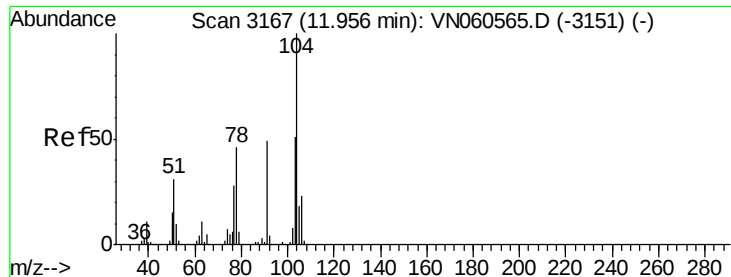
MMDadoda
3/18/2020 7:00:34 PM



#69
o-Xylene
Concen: 0.882 ug/l
RT: 11.94 min Scan# 3163
Delta R.T. 0.00 min
Lab File: VN060562.D
Acq: 17 Mar 2020 17:42

Tgt Ion:106 Resp: 3887
Ion Ratio Lower Upper
106 100
91 232.6 109.5 328.4





#70

Stvrene

Concen: 0.855 ug/l

RT: 11.96 min Scan# 3168

Delta R.T. 0.00 min

Lab File: VN060562.D

Acq: 17 Mar 2020 17:42

Instrument :

MSVOA_N

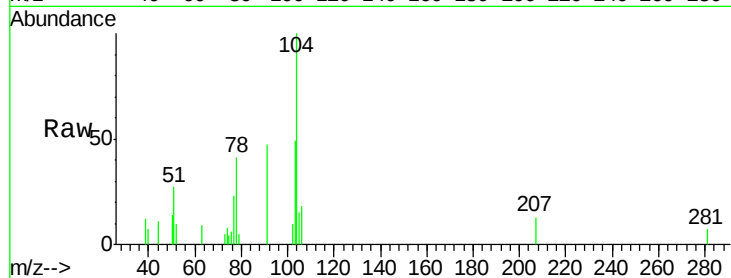
ClientSampleId :

VSTDIC001

Tot Ion:	104	Resp:	6187
Ion	Ratio	Lower	Upper
104	100		
78	47.4	41.2	61.8
103	53.6	44.0	66.0

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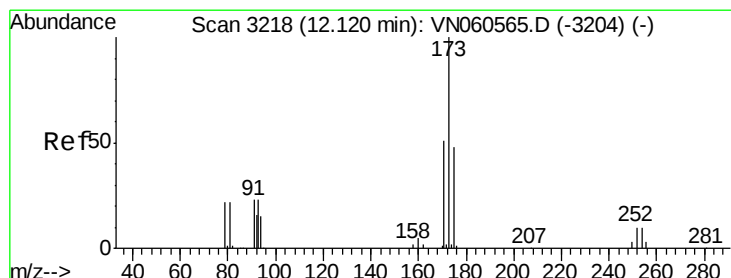
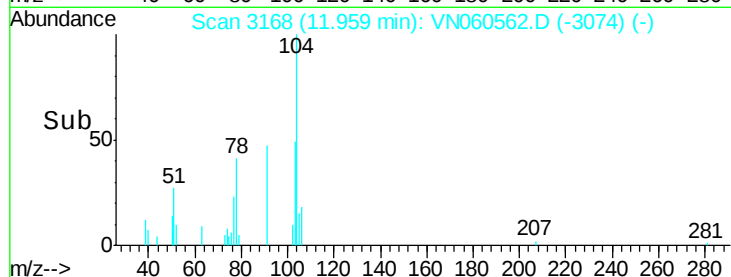
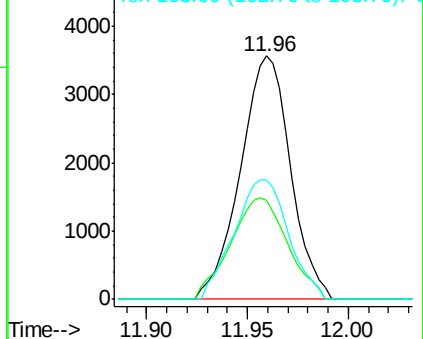
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Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): V

Ion 103.00 (102.70 to 103.70): V



#71

Bromoform

Concen: 0.703 ug/l

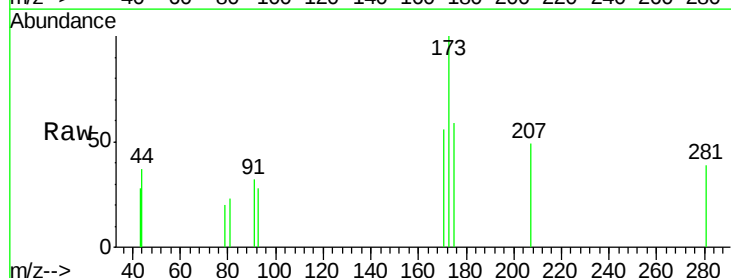
RT: 12.12 min Scan# 3218

Delta R.T. -0.00 min

Lab File: VN060562.D

Acq: 17 Mar 2020 17:42

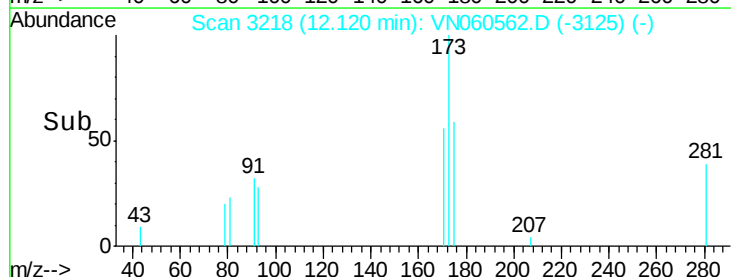
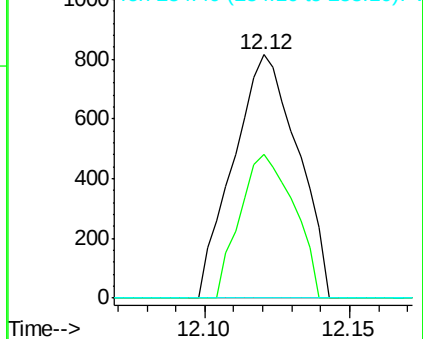
Tgt Ion:	173	Resp:	1256
Ion	Ratio	Lower	Upper
173	100		
175	49.7	24.1	72.4
254	0.0	0.0	0.0

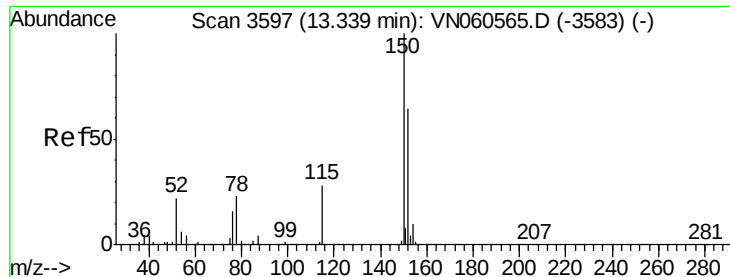


Abundance Ion 172.70 (172.40 to 173.40): V

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: VN060562.D

Acq: 17 Mar 2020 17:42

Instrument :

MSVOA_N

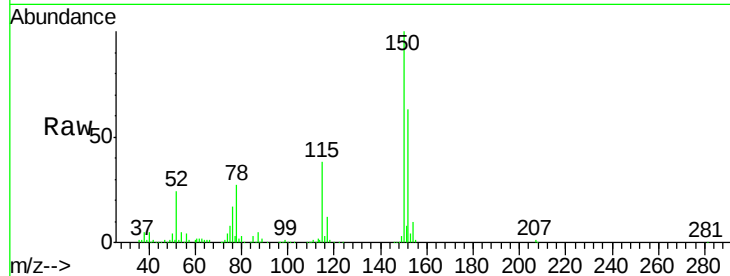
ClientSampleId :

VSTDIC001

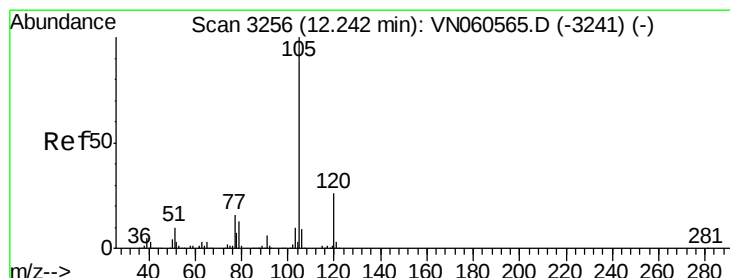
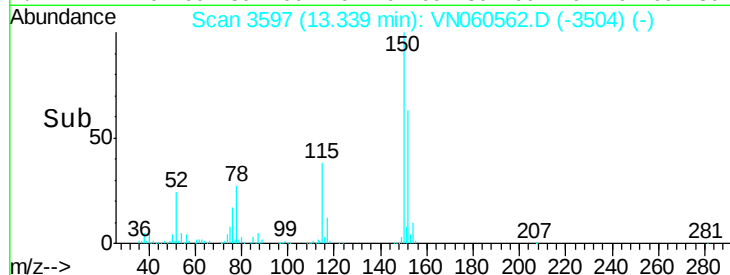
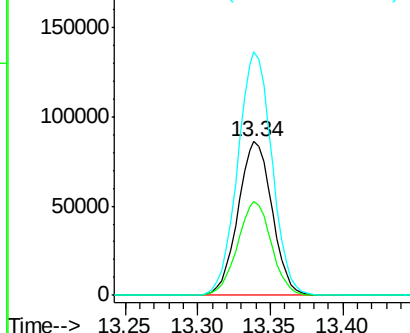
Tot Ion:	152	Resp:	140835
Ion Ratio	Lower	Upper	
152	100		
115	60.4	30.2	90.6
150	158.4	0.0	350.2

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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: 1.008 ug/l

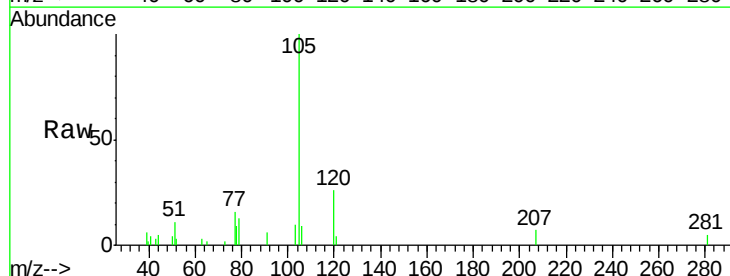
RT: 12.25 min Scan# 3257

Delta R.T. 0.00 min

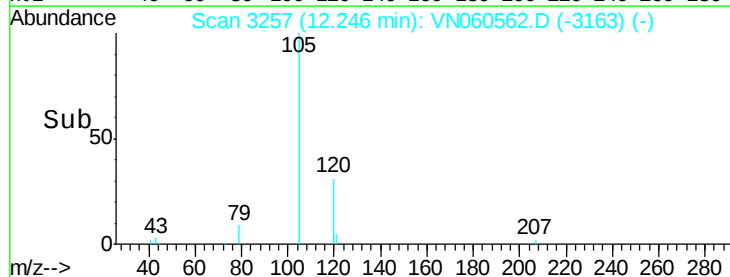
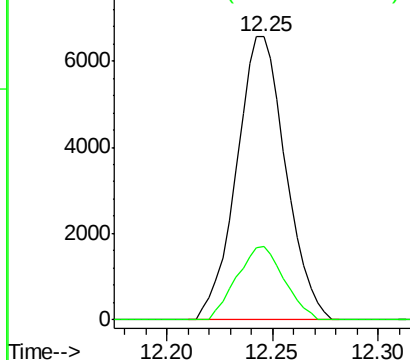
Lab File: VN060562.D

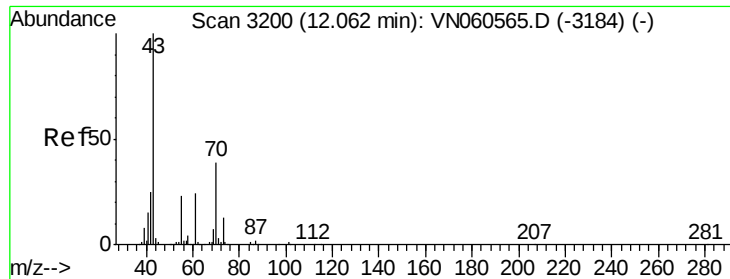
Acq: 17 Mar 2020 17:42

Tgt Ion:	105	Resp:	10613
Ion Ratio	Lower	Upper	
105	100		
120	25.0	13.1	39.1



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 1.046 ug/l

RT: 12.06 min Scan# 3200

Delta R.T. -0.00 min

Lab File: VN060562.D

Acq: 17 Mar 2020 17:42

Instrument :

MSVOA_N

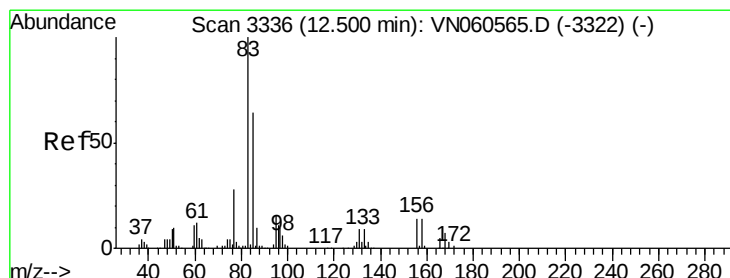
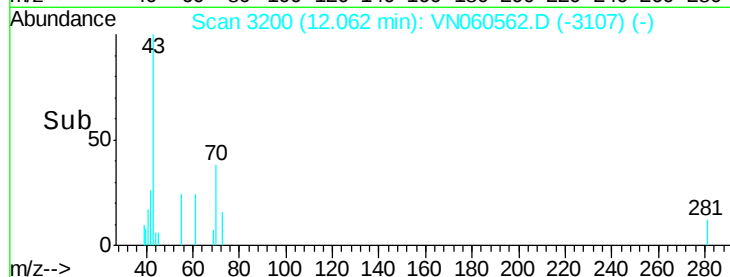
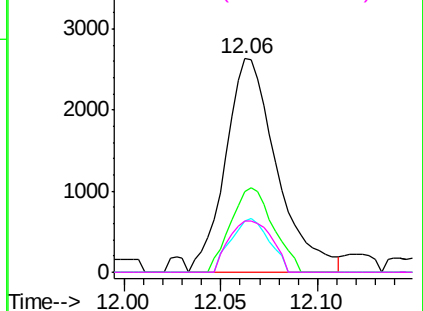
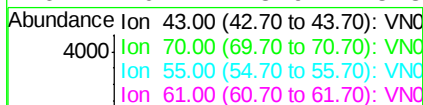
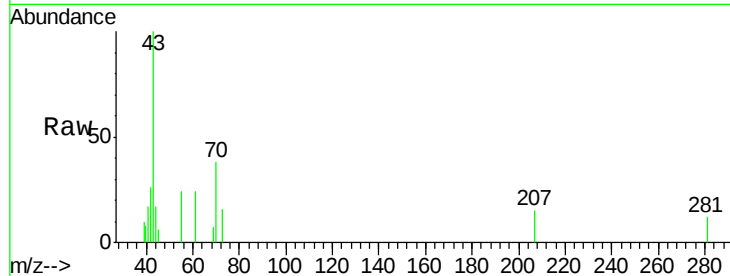
ClientSampleId :

VSTDIC001

Tot Ion:	43	Resp:	4869
Ion	Ratio	Lower	Upper
43	100		
70	32.7	31.1	46.7
55	18.7	18.6	27.8
61	20.1	18.9	28.3

Manual Integrations
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#75

1,1,2,2-Tetrachloroethane

Concen: 1.098 ug/l

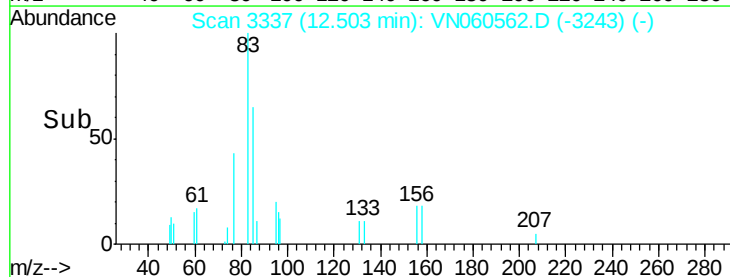
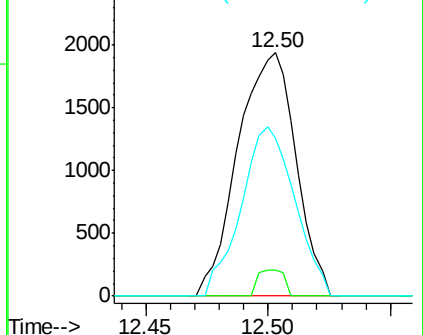
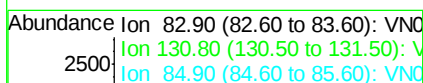
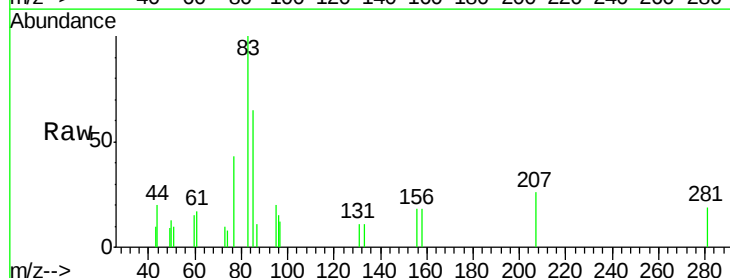
RT: 12.50 min Scan# 3337

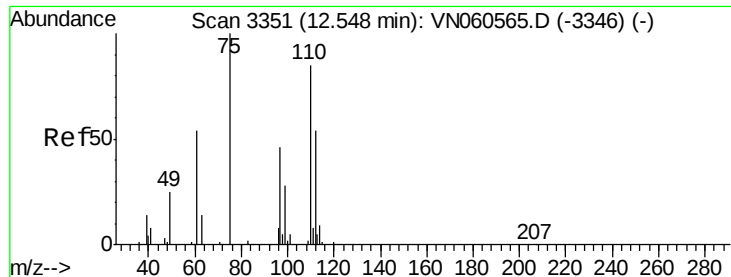
Delta R.T. 0.00 min

Lab File: VN060562.D

Acq: 17 Mar 2020 17:42

Tgt Ion:	83	Resp:	3190
Ion	Ratio	Lower	Upper
83	100		
131	4.8	4.9	14.7#
85	64.6	32.5	97.4





#76

1,2,3-Trichloropropane

Concen: 0.977 ug/l m

RT: 12.55 min Scan# 3351

Delta R.T. -0.00 min

Lab File: VN060562.D

Acq: 17 Mar 2020 17:42

Instrument :

MSVOA_N

ClientSampled :

VSTDIC001

Tot Ion: 75 Resp: 3008

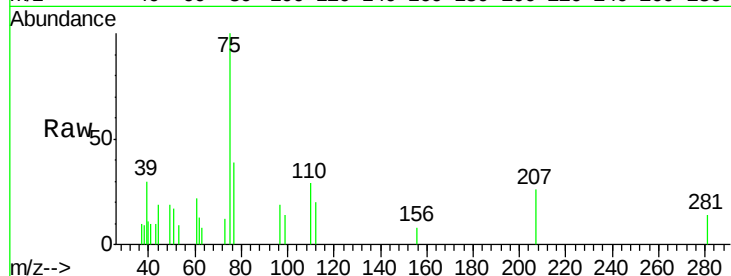
Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0

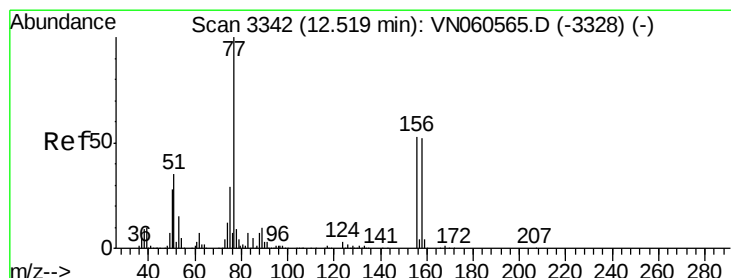
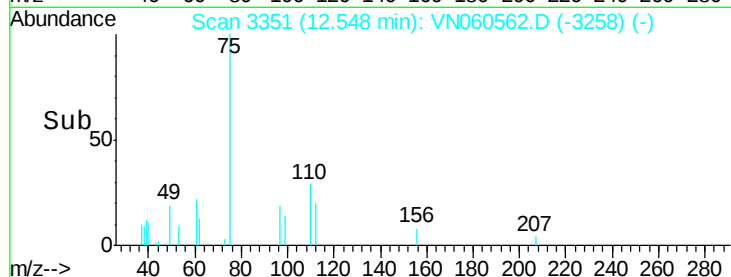
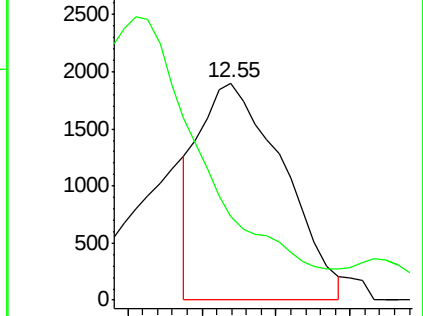
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Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0



#77

Bromobenzene

Concen: 1.003 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. 0.00 min

Lab File: VN060562.D

Acq: 17 Mar 2020 17:42

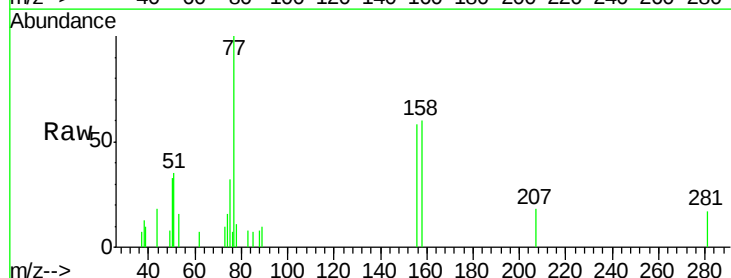
Tgt Ion: 156 Resp: 2582

Ion Ratio Lower Upper

156 100

77 222.3 112.3 337.0

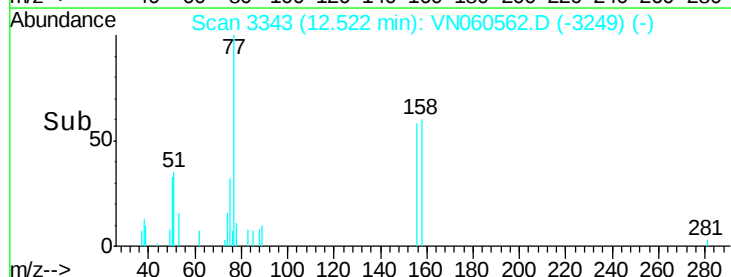
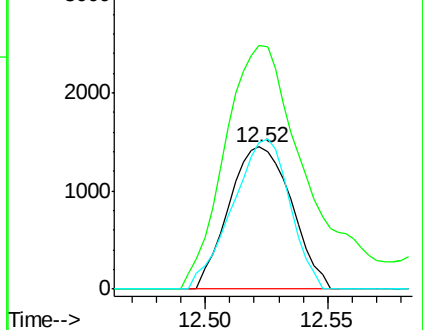
158 96.4 48.6 145.8

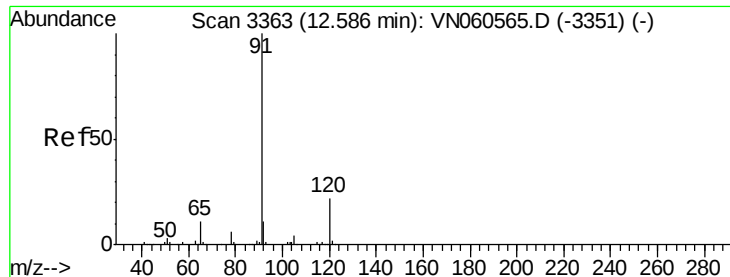


Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V





#78

n-propylbenzene

Concen: 1.016 ug/l

RT: 12.59 min Scan# 3363

Delta R.T. -0.00 min

Lab File: VN060562.D

Acq: 17 Mar 2020 17:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion: 91 Resp: 12570

Ion Ratio Lower Upper

91 100

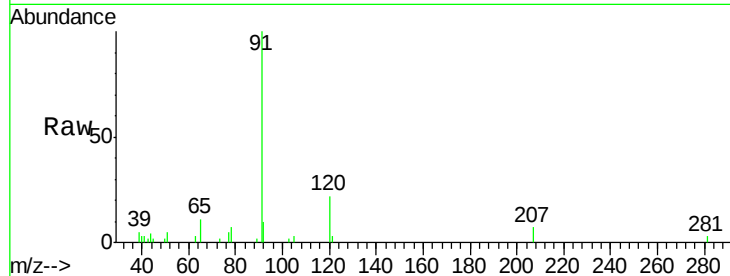
120 21.3 11.3 33.8

Manual Integrations

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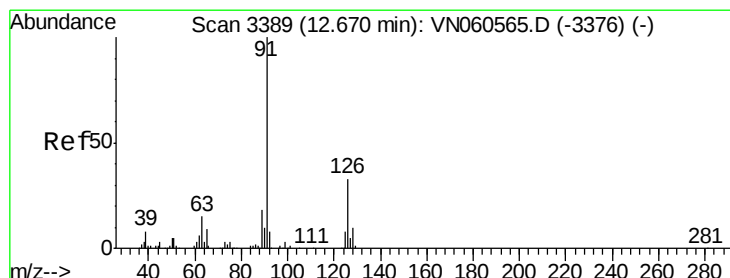
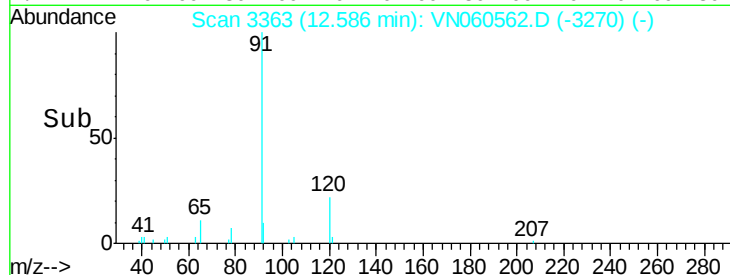
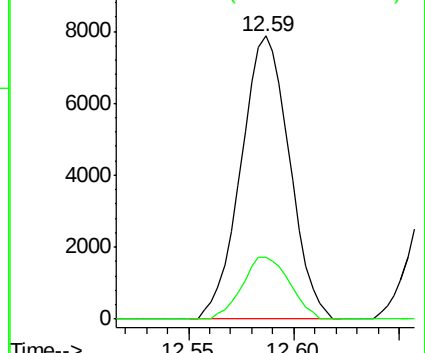
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Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V



#79

2-Chlorotoluene

Concen: 1.067 ug/l

RT: 12.67 min Scan# 3389

Delta R.T. -0.00 min

Lab File: VN060562.D

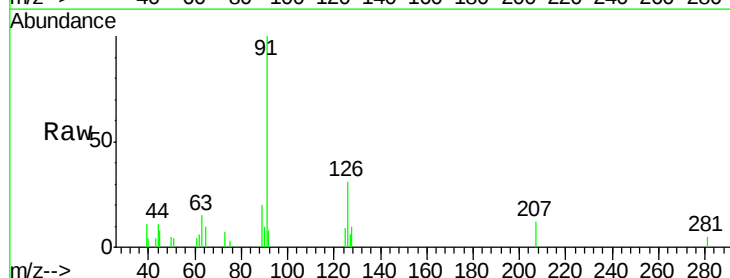
Acq: 17 Mar 2020 17:42

Tgt Ion: 91 Resp: 7778

Ion Ratio Lower Upper

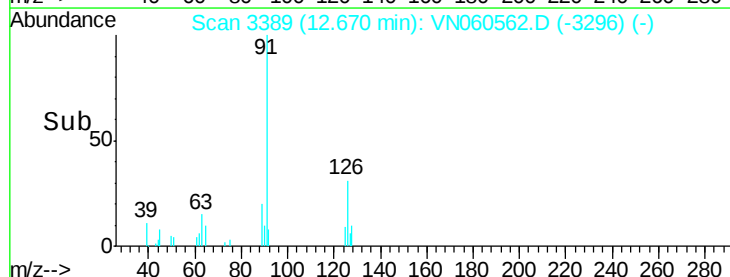
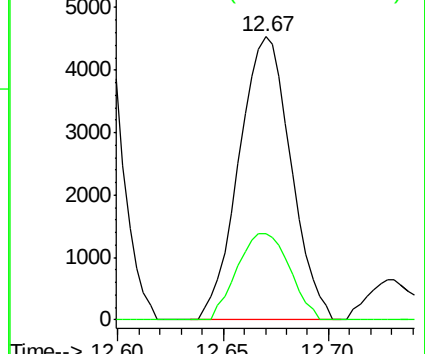
91 100

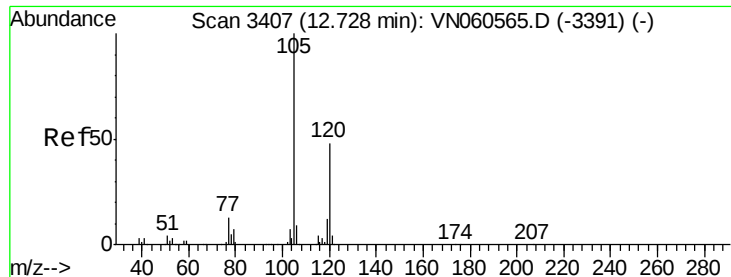
126 30.7 16.4 49.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V





#80

1,3,5-Trimethylbenzene

Concen: 1.012 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN060562.D

Acq: 17 Mar 2020 17:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion:105 Resp: 8981

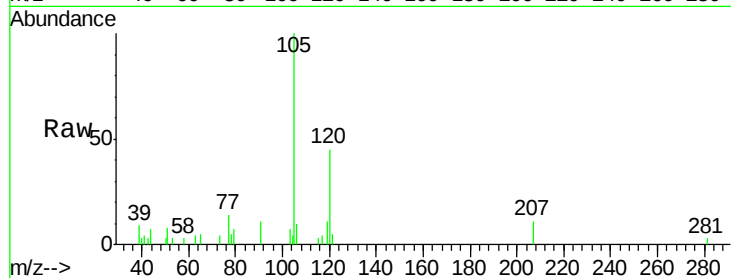
Ion Ratio Lower Upper

105 100

120 46.6 23.9 71.7

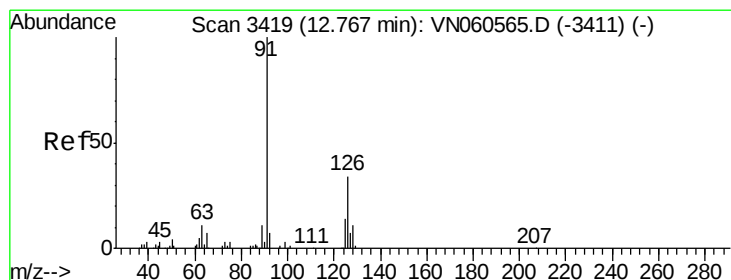
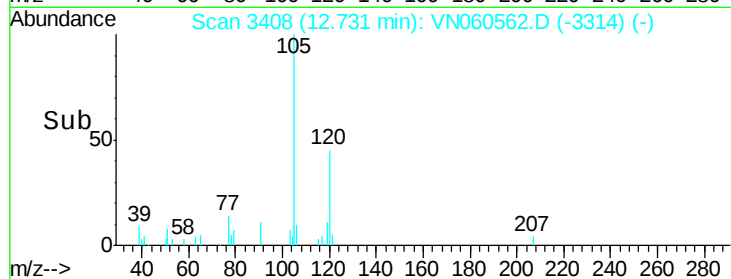
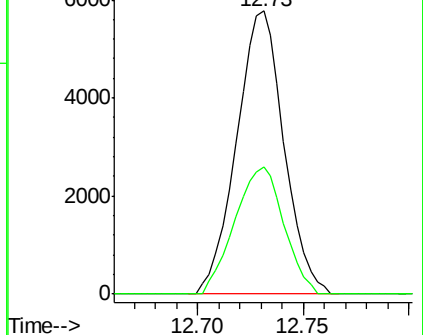
Manual Integrations
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#82

4-Chlorotoluene

Concen: 0.978 ug/l

RT: 12.77 min Scan# 3420

Delta R.T. 0.00 min

Lab File: VN060562.D

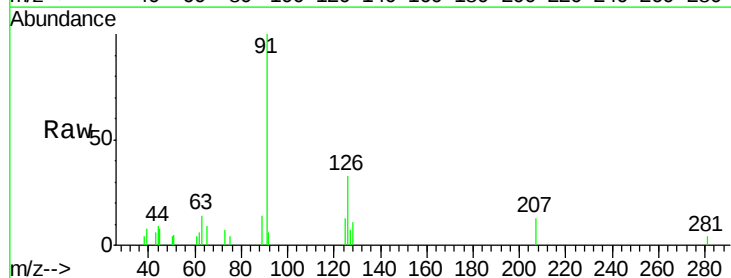
Acq: 17 Mar 2020 17:42

Tgt Ion: 91 Resp: 7496

Ion Ratio Lower Upper

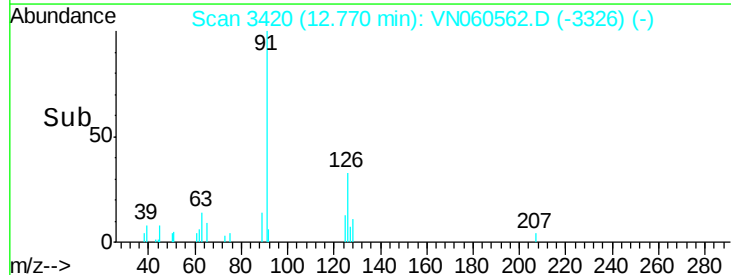
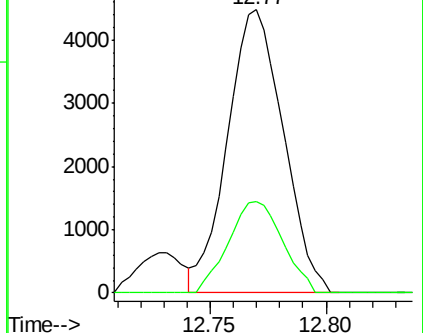
91 100

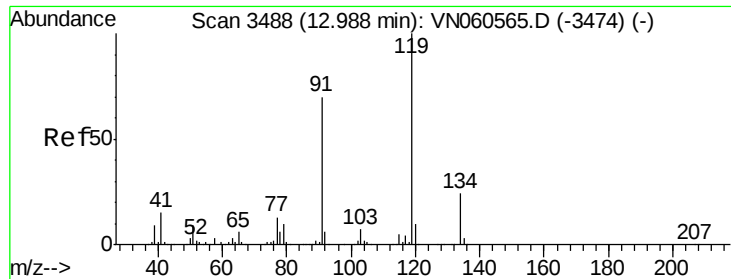
126 31.2 16.2 48.5



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.90 (125.60 to 126.60): V





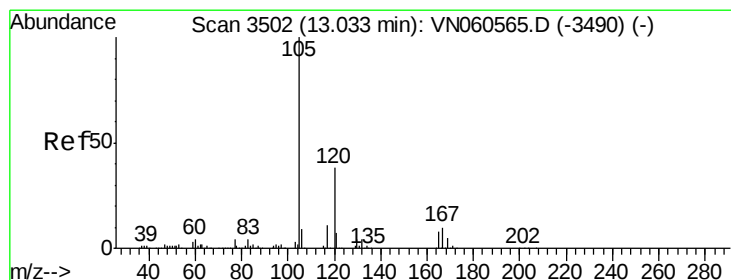
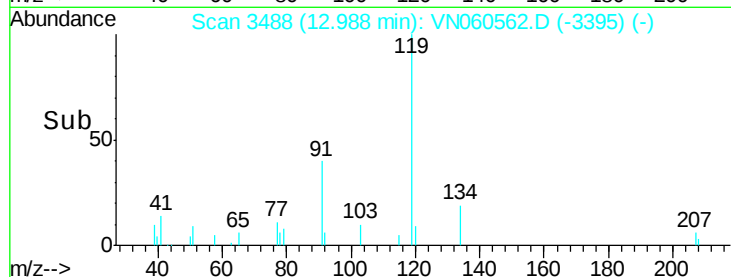
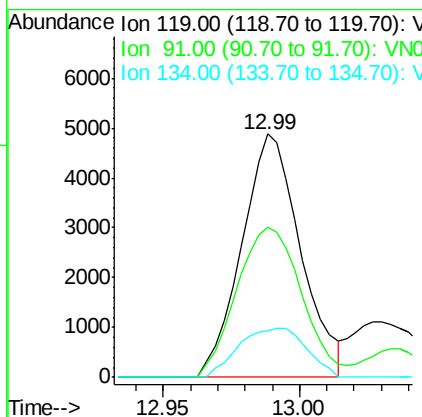
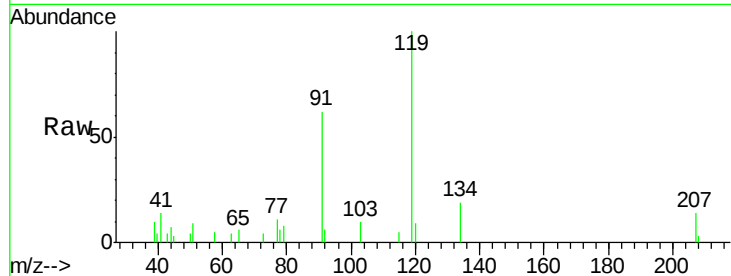
#83
 tert-Butylbenzene
 Concen: 0.955 ug/l
 RT: 12.99 min Scan# 3488
 Delta R.T. -0.00 min
 Lab File: VN060562.D
 Acq: 17 Mar 2020 17:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
119	100		
91	68.5	34.0	101.8
134	23.3	12.7	38.0

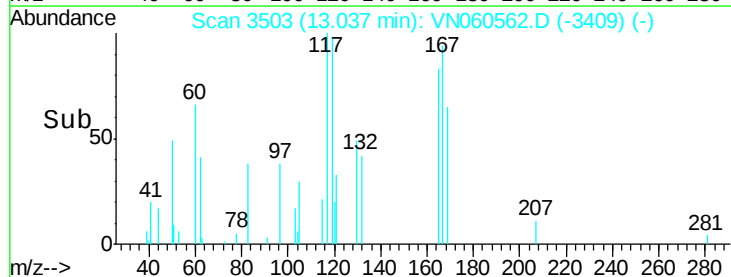
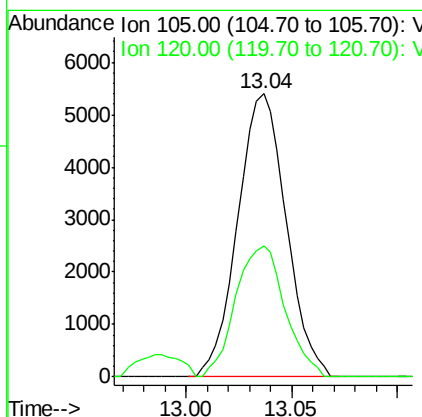
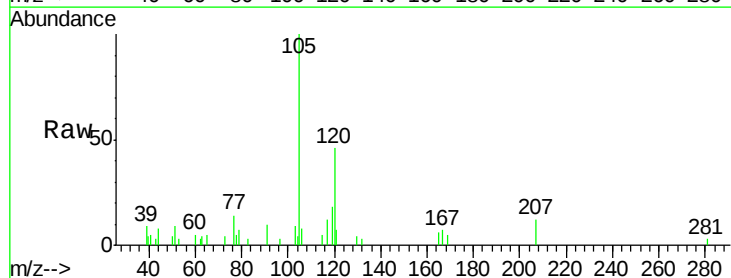
Manual Integrations
 APPROVED

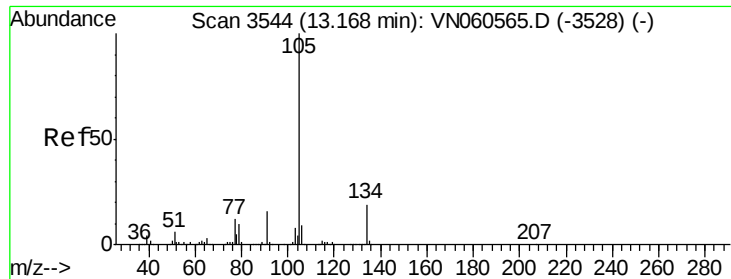
MMDadoda
 3/18/2020 7:00:34 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 0.965 ug/l
 RT: 13.04 min Scan# 3503
 Delta R.T. 0.00 min
 Lab File: VN060562.D
 Acq: 17 Mar 2020 17:42

Tgt Ion	Ratio	Lower	Upper
105	100		
120	47.0	22.1	66.5





#85

sec-Butylbenzene

Concen: 0.960 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. -0.00 min

Lab File: VN060562.D

Acq: 17 Mar 2020 17:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion:105 Resp: 9829

Ion Ratio Lower Upper

105 100

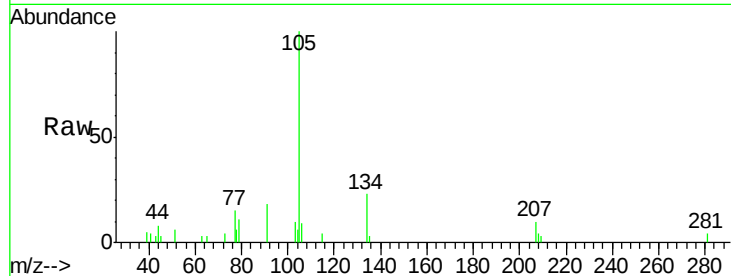
134 20.4 9.6 28.8

Manual Integrations

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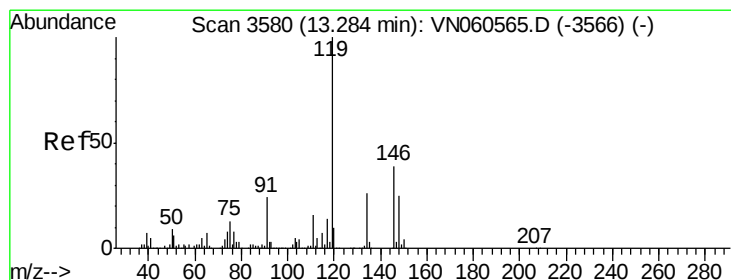
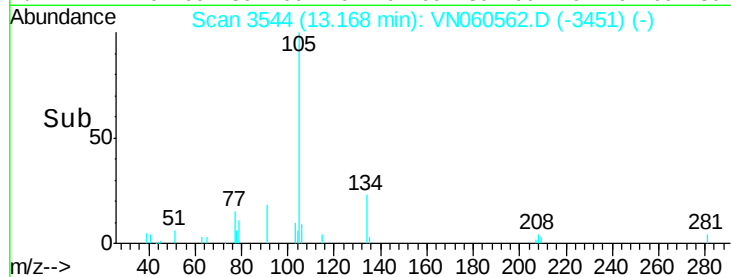
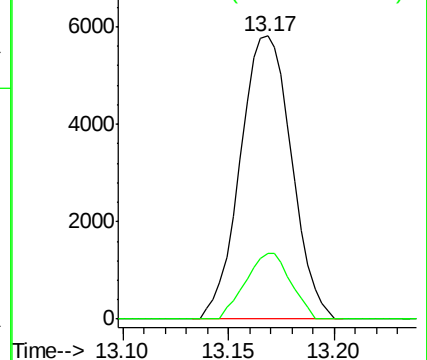
MMDadoda

3/18/2020 7:00:34 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 0.947 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN060562.D

Acq: 17 Mar 2020 17:42

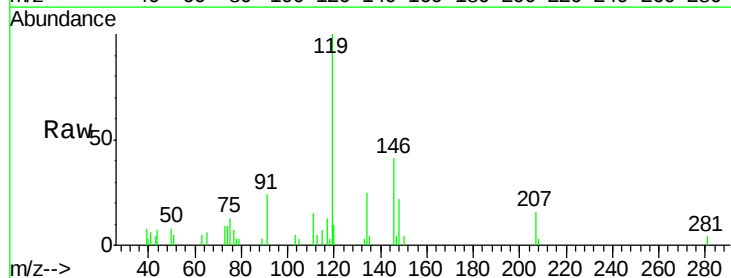
Tgt Ion:119 Resp: 8954

Ion Ratio Lower Upper

119 100

134 26.5 13.0 39.0

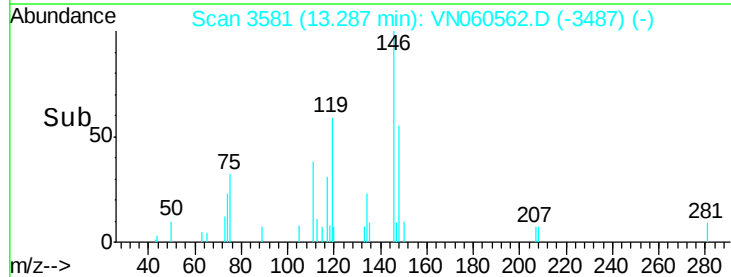
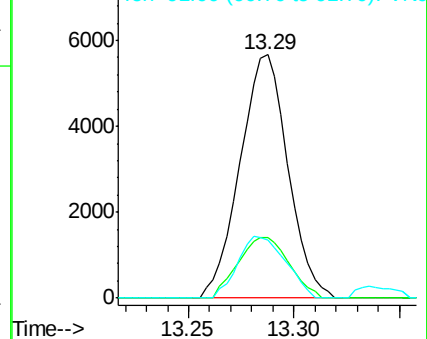
91 25.1 12.0 36.0

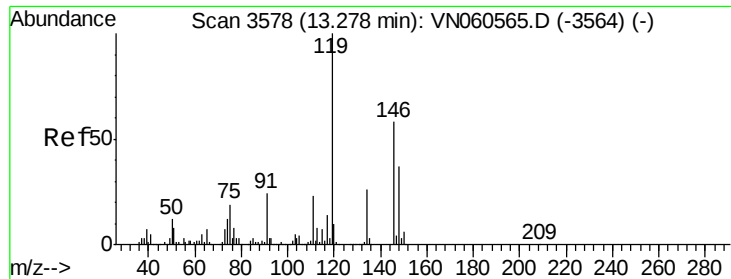


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





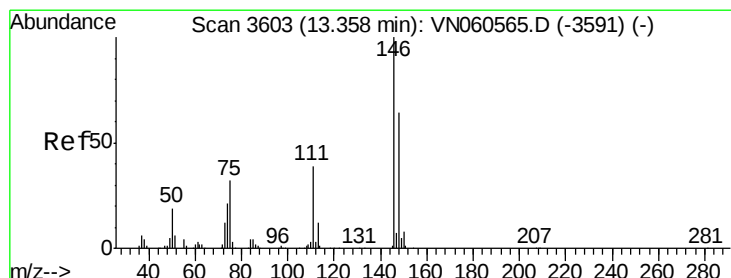
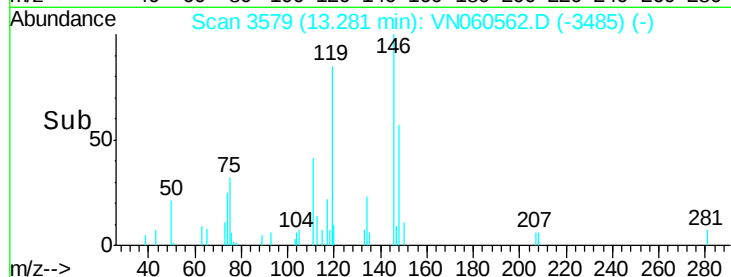
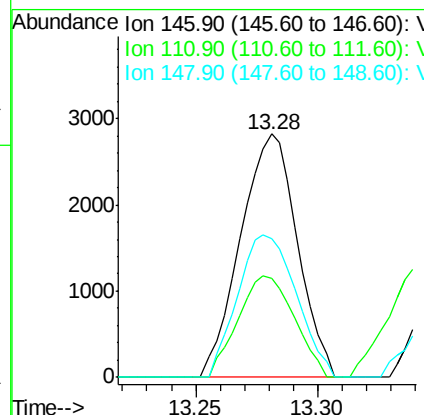
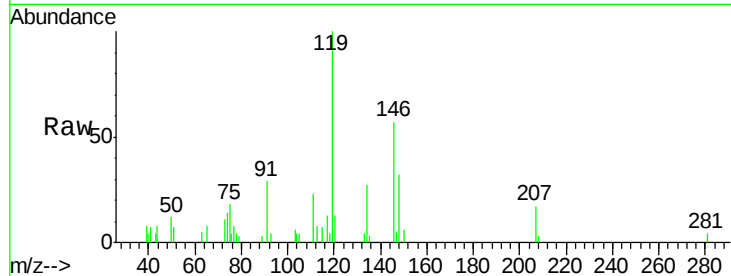
#87
 1,3-Dichlorobenzene
 Concen: 0.944 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN060562.D
 Acq: 17 Mar 2020 17:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.4	20.3	60.8
148	60.7	32.5	97.4

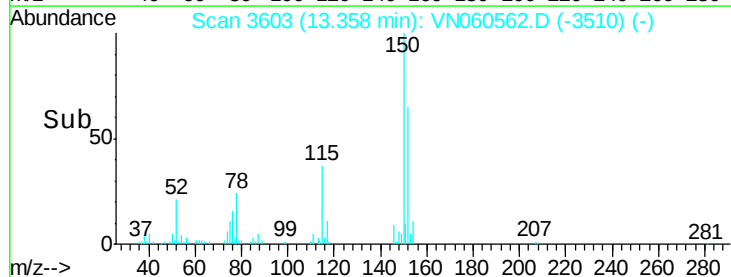
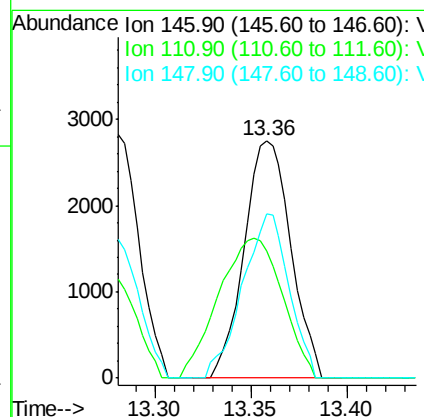
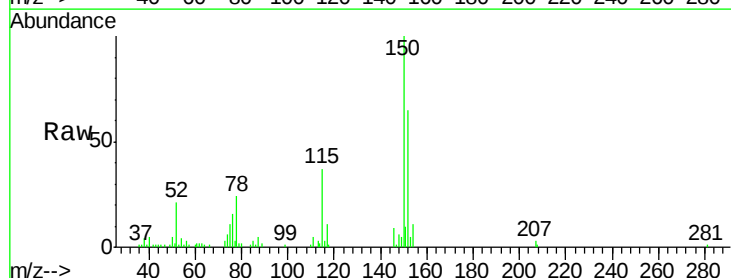
Manual Integrations
 APPROVED

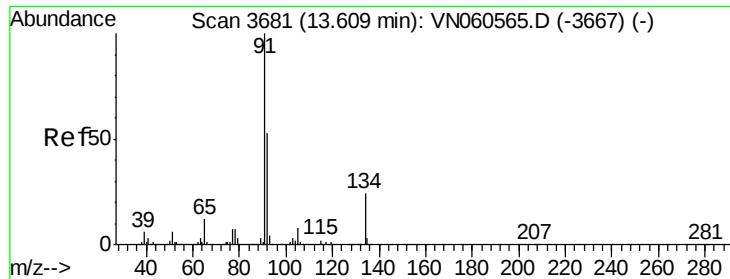
MMDadoda
 3/18/2020 7:00:34 PM



#88
 1,4-Dichlorobenzene
 Concen: 0.964 ug/l m
 RT: 13.36 min Scan# 3603
 Delta R.T. -0.00 min
 Lab File: VN060562.D
 Acq: 17 Mar 2020 17:42

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.6	19.6	58.7
148	59.6	32.1	96.3





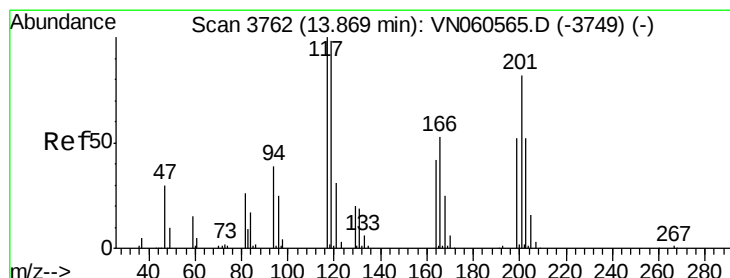
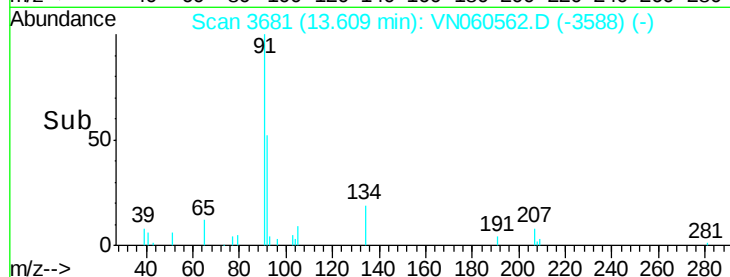
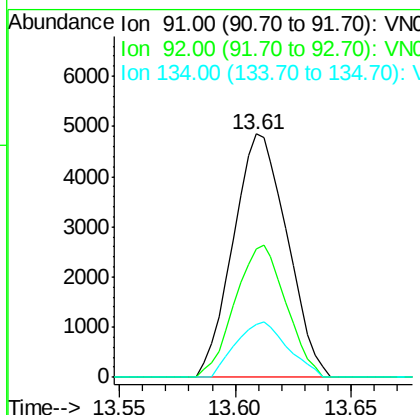
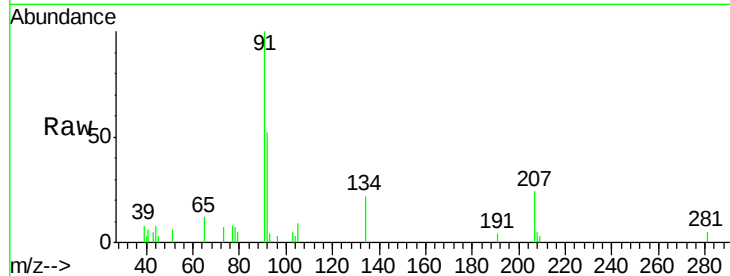
#89
n-Butylbenzene
Concen: 0.905 ug/l
RT: 13.61 min Scan# 3681
Delta R.T. -0.00 min
Lab File: VN060562.D
Acq: 17 Mar 2020 17:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.1	26.2	78.5
134	21.8	12.3	36.9

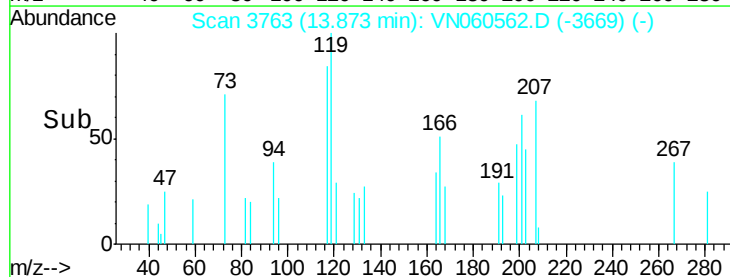
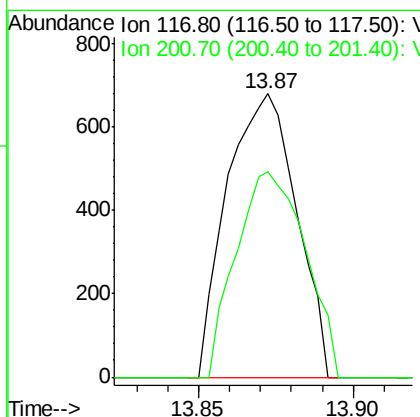
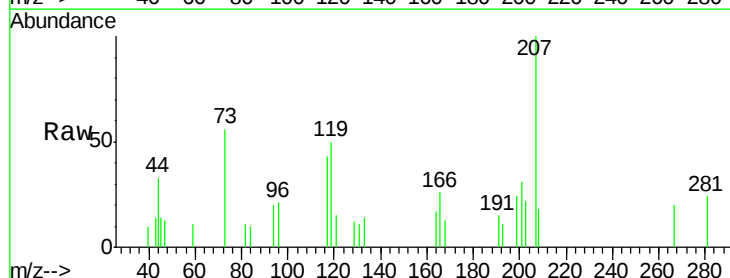
Manual Integrations
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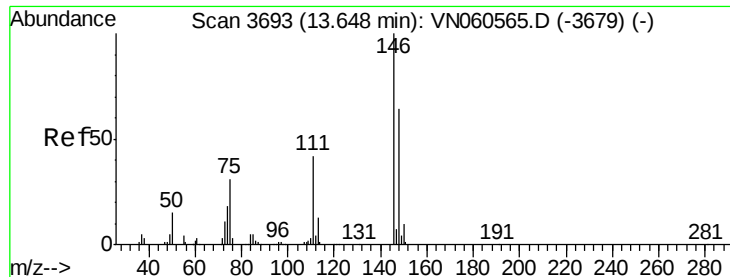
MMDadoda
3/18/2020 7:00:34 PM



#90
Hexachloroethane
Concen: 0.774 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN060562.D
Acq: 17 Mar 2020 17:42

Tgt Ion	Ratio	Lower	Upper
117	100		
201	72.5	40.8	122.5





#91

1,2-Dichlorobenzene

Concen: 0.918 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. 0.00 min

Lab File: VN060562.D

Acq: 17 Mar 2020 17:42

Instrument :

MSVOA_N

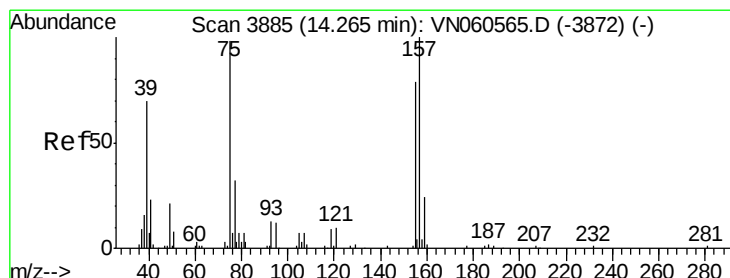
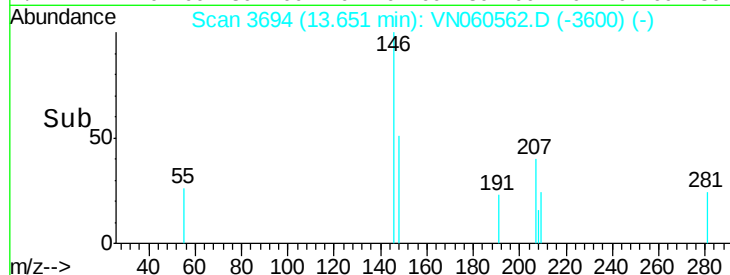
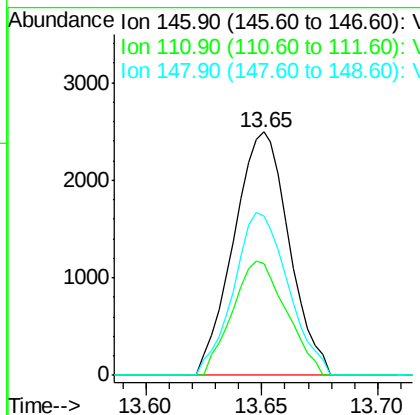
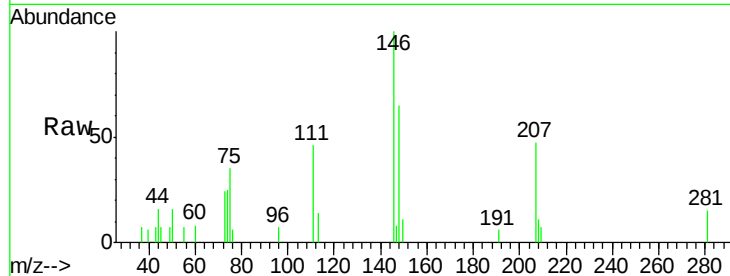
ClientSampleId :

VSTDIC001

Tot Ion:	146	Resp:	4132
Ion	Ratio	Lower	Upper
146	100		
111	45.6	21.0	63.0
148	65.9	31.9	95.5

Manual Integrations
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3/18/2020 7:00:34 PM



#92

1,2-Dibromo-3-Chloropropane

Concen: 1.464 ug/l

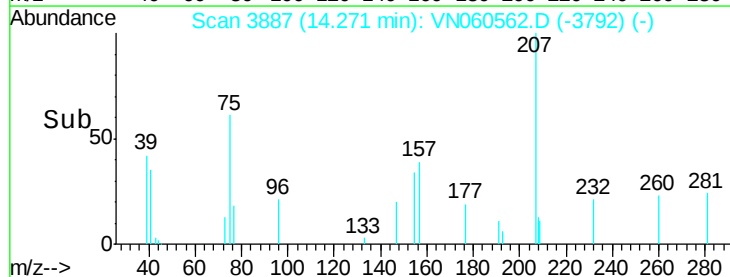
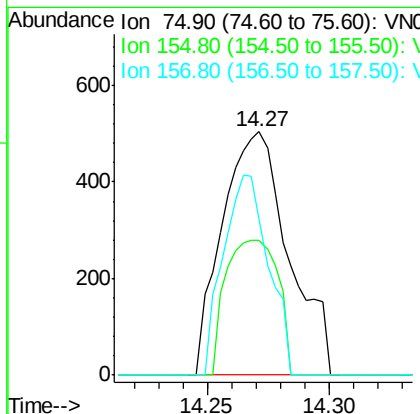
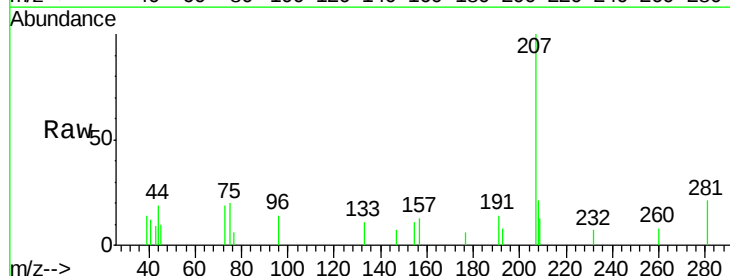
RT: 14.27 min Scan# 3887

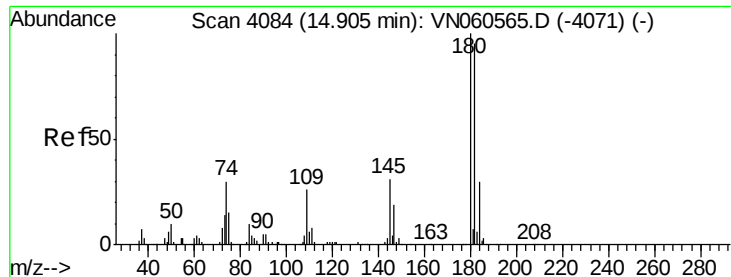
Delta R.T. 0.01 min

Lab File: VN060562.D

Acq: 17 Mar 2020 17:42

Tgt Ion:	75	Resp:	951
Ion	Ratio	Lower	Upper
75	100		
155	43.5	40.7	122.1
157	56.2	51.5	154.7





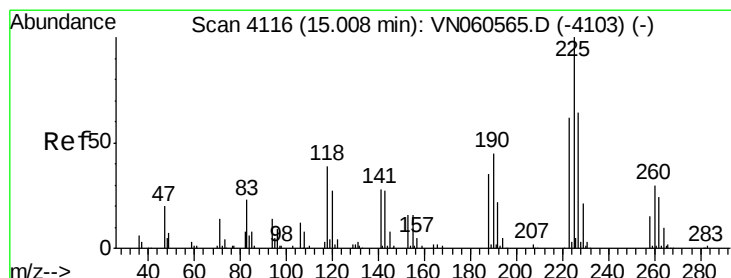
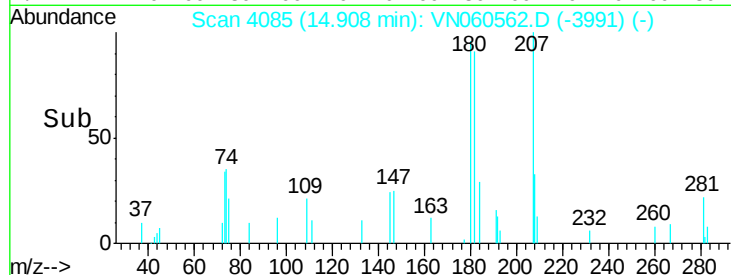
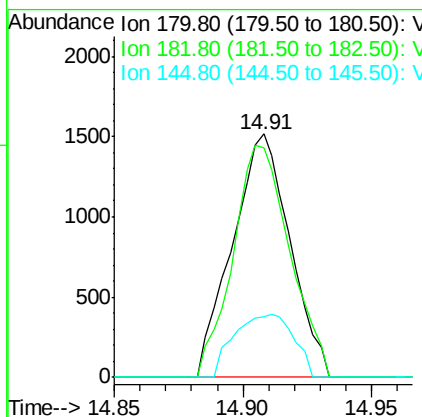
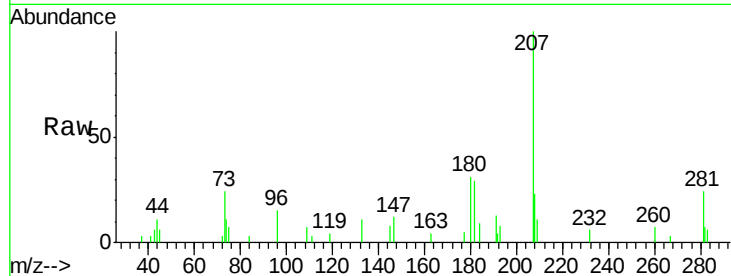
#93
 1,2,4-Trichlorobenzene
 Concen: 0.745 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN060562.D
 Acq: 17 Mar 2020 17:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.0	47.9	143.8
145	26.5	15.4	46.2

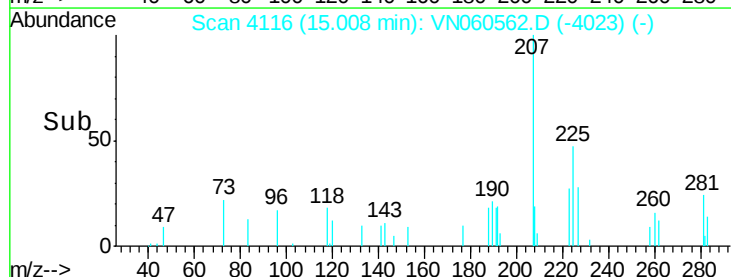
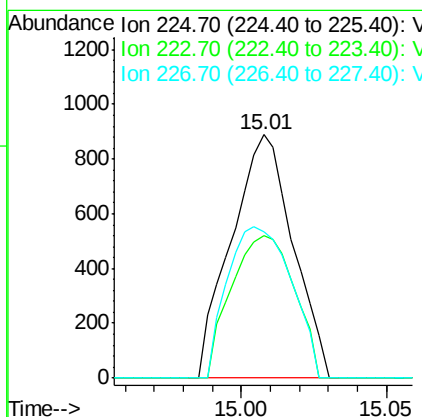
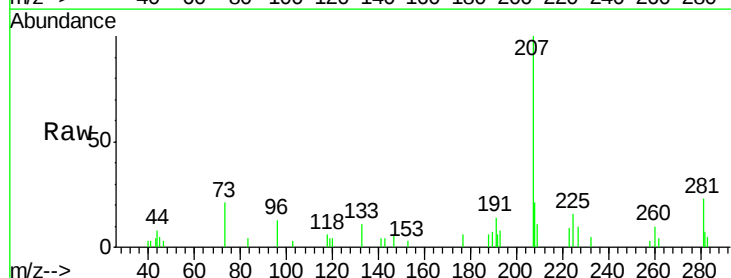
Manual Integrations
 APPROVED

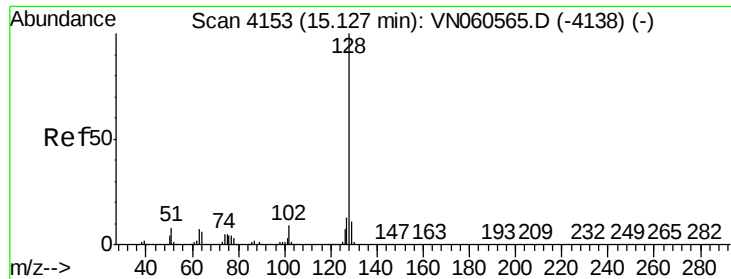
MMDadoda
 3/18/2020 7:00:34 PM



#94
 Hexachlorobutadiene
 Concen: 0.871 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN060562.D
 Acq: 17 Mar 2020 17:42

Tgt Ion	Ratio	Lower	Upper
225	100		
223	59.8	31.6	95.0
227	64.6	32.3	96.8





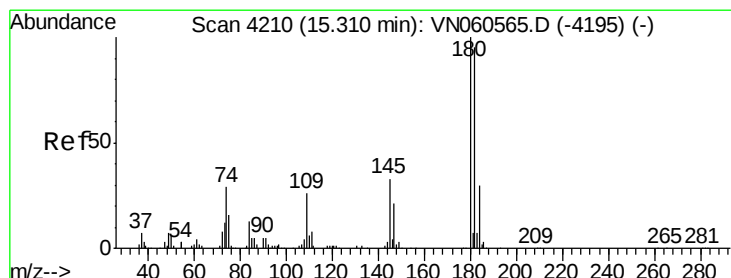
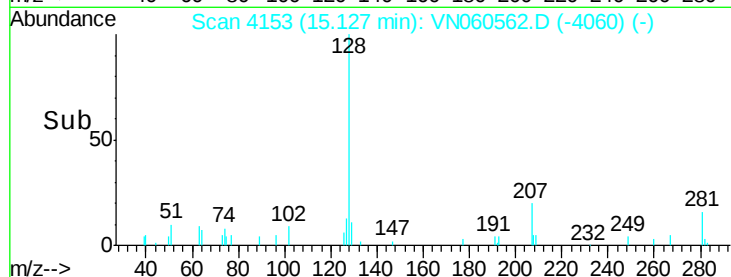
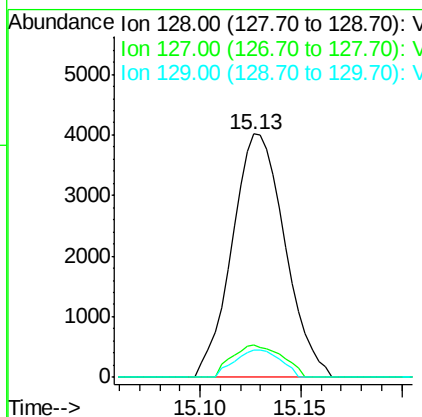
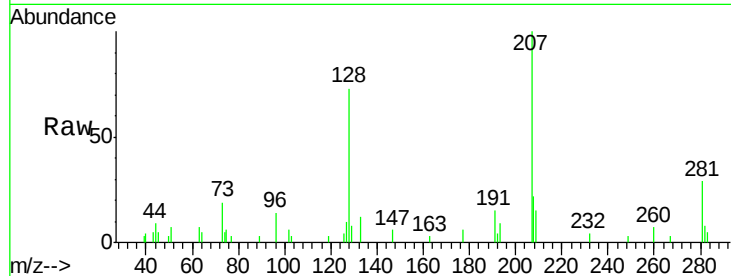
#95
Naphthalene
Concen: 0.803 ug/l
RT: 15.13 min Scan# 4153
Delta R.T. -0.00 min
Lab File: VN060562.D
Acq: 17 Mar 2020 17:42

Instrument :
MSVOA_N
ClientSampled :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.2	15.2
129	9.8	8.8	13.2

Manual Integrations
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3/18/2020 7:00:34 PM



#96
1,2,3-Trichlorobenzene
Concen: 0.890 ug/l
RT: 15.31 min Scan# 4210
Delta R.T. -0.00 min
Lab File: VN060562.D
Acq: 17 Mar 2020 17:42

Tgt Ion	Ratio	Lower	Upper
180	100		
182	82.4	47.5	142.6
145	31.0	16.3	48.8

