

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD121719\
 Data File : VD064557.D
 Acq On : 17 Dec 2019 20:54
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 12/18/2019 1:01:05 PM

Quant Time: Dec 18 03:40:14 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D112719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 29 07:18:03 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	342977	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	512142	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	468933	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	234796	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	170945	55.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.12%	
35) Dibromofluoromethane	7.92	113	178088	55.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.38%	
50) Toluene-d8	10.34	98	658114	54.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.28%	
62) 4-Bromofluorobenzene	12.64	95	209624	53.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.32%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	119717	38.523	ug/l	99
3) Chloromethane	2.21	50	161804	41.280	ug/l	96
4) Vinyl Chloride	2.35	62	194769	43.036	ug/l	100
5) Bromomethane	2.77	94	145973	43.616	ug/l	100
6) Chloroethane	2.93	64	136507	45.127	ug/l	98
7) Trichlorofluoromethane	3.27	101	338802	45.032	ug/l	98
8) Diethyl Ether	3.71	74	70471	45.075	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.09	101	140610	43.588	ug/l	97
10) Methyl Iodide	4.29	142	156049	45.807	ug/l	99
11) Tert butyl alcohol	5.25	59	41814	211.595	ug/l #	100
12) 1,1-Dichloroethene	4.06	96	133159	43.074	ug/l	96
13) Acrolein	3.93	56	68155	252.855	ug/l	97
14) Allyl chloride	4.71	41	218274	45.242	ug/l	99
15) Acrylonitrile	5.43	53	150032	219.453	ug/l	99
16) Acetone	4.17	43	139236	221.945	ug/l	97
17) Carbon Disulfide	4.40	76	402583	41.118	ug/l	97
18) Methyl Acetate	4.73	43	89821	49.085	ug/l	97
19) Methyl tert-butyl Ether	5.49	73	316315	44.606	ug/l	99
20) Methylene Chloride	4.97	84	157754	49.441	ug/l	98
21) trans-1,2-Dichloroethene	5.47	96	157213	44.958	ug/l	93
22) Diisopropyl ether	6.37	45	446371	46.867	ug/l	95
23) Vinyl Acetate	6.31	43	1235154	219.978	ug/l	98
24) 1,1-Dichloroethane	6.27	63	271629	47.423	ug/l	98
25) 2-Butanone	7.23	43	190772	215.028	ug/l	95
26) 2,2-Dichloropropane	7.21	77	225112	45.192	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	176470	46.289	ug/l	99
28) Bromochloromethane	7.55	49	111606	57.015	ug/l	96
29) Tetrahydrofuran	7.57	42	121528	215.301	ug/l	99
30) Chloroform	7.71	83	283509	47.793	ug/l	96
31) Cyclohexane	7.98	56	233863	46.439	ug/l	93
32) 1,1,1-Trichloroethane	7.90	97	258204	46.949	ug/l	98
36) 1,1-Dichloropropene	8.11	75	212416	43.850	ug/l	99
37) Ethyl Acetate	7.30	43	89427	43.507	ug/l	98
38) Carbon Tetrachloride	8.10	117	230856	45.154	ug/l	97

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	250951	41.763	ug/l	97
40) Benzene	8.36	78	616153	45.796	ug/l	98
41) Methacrylonitrile	7.53	41	47209	40.049	ug/l #	84
42) 1,2-Dichloroethane	8.43	62	179597	45.773	ug/l	98
43) Isopropyl Acetate	8.46	43	174484	43.174	ug/l	99
44) Trichloroethene	9.11	130	176949	43.661	ug/l	96
45) 1,2-Dichloropropane	9.39	63	150414	46.746	ug/l	97
46) Dibromomethane	9.48	93	83206	45.817	ug/l	99
47) Bromodichloromethane	9.66	83	223274	47.848	ug/l	98
48) Methyl methacrylate	9.46	41	81537	44.090	ug/l	98
49) 1,4-Dioxane	9.47	88	19736	880.062	ug/l	99
51) 4-Methyl-2-Pentanone	10.23	43	430776	215.423	ug/l	100
52) Toluene	10.40	92	397976	45.388	ug/l	99
53) t-1,3-Dichloropropene	10.62	75	202043	45.432	ug/l	99
54) cis-1,3-Dichloropropene	10.09	75	240727	45.565	ug/l	96
55) 1,1,2-Trichloroethane	10.80	97	109654	44.096	ug/l	100
56) Ethyl methacrylate	10.66	69	140195	44.203	ug/l	99
57) 1,3-Dichloropropane	10.95	76	194459	45.938	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	277935	219.826	ug/l	98
59) 2-Hexanone	10.99	43	295694	213.104	ug/l	99
60) Dibromochloromethane	11.14	129	154857	45.930	ug/l	99
61) 1,2-Dibromoethane	11.25	107	109916	44.270	ug/l	99
64) Tetrachloroethene	10.88	164	160593	44.909	ug/l	98
65) Chlorobenzene	11.67	112	431687	44.138	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.75	131	165677	45.760	ug/l	99
67) Ethyl Benzene	11.75	91	752182	43.225	ug/l	100
68) m/p-Xylenes	11.86	106	579795	87.384	ug/l	99
69) o-Xylene	12.18	106	263502	43.001	ug/l	95
70) Styrene	12.20	104	476062	44.706	ug/l	99
71) Bromoform	12.37	173	93795	43.301	ug/l #	97
73) Isopropylbenzene	12.48	105	721748	42.740	ug/l	99
74) N-amyl acetate	12.30	43	156493	40.831	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	115017	41.187	ug/l	95
76) 1,2,3-Trichloropropane	12.79	75	92360m	47.833	ug/l	
77) Bromobenzene	12.77	156	181124	43.434	ug/l	100
78) n-propylbenzene	12.83	91	840971	43.162	ug/l	99
79) 2-Chlorotoluene	12.91	91	453960	42.343	ug/l	97
80) 1,3,5-Trimethylbenzene	12.97	105	587361	42.563	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.54	75	37513	42.363	ug/l	97
82) 4-Chlorotoluene	13.01	91	481833	42.447	ug/l	100
83) tert-Butylbenzene	13.23	119	513917	42.836	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	589293	42.468	ug/l	100
85) sec-Butylbenzene	13.41	105	698119	42.398	ug/l	100
86) p-Isopropyltoluene	13.53	119	667421	42.934	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	342112	43.224	ug/l	98
88) 1,4-Dichlorobenzene	13.61	146	328948	42.096	ug/l	99
89) n-Butylbenzene	13.86	91	593487	42.040	ug/l	99
90) Hexachloroethane	14.12	117	126637	43.554	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	292344	43.220	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	18828	44.654	ug/l	93

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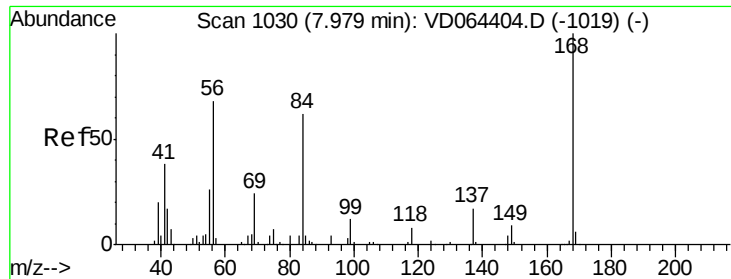
Manual Integrations
APPROVED

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12/18/2019 1:01:05 PM

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	214015	41.313	ug/l	99
94) Hexachlorobutadiene	15.28	225	129459	40.481	ug/l	99
95) Naphthalene	15.41	128	348295	40.287	ug/l	100
96) 1,2,3-Trichlorobenzene	15.61	180	181396	41.022	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.01 min

Lab File: VD064557.D

Acq: 17 Dec 2019 20:54

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 342977

Ion Ratio Lower Upper

168 100

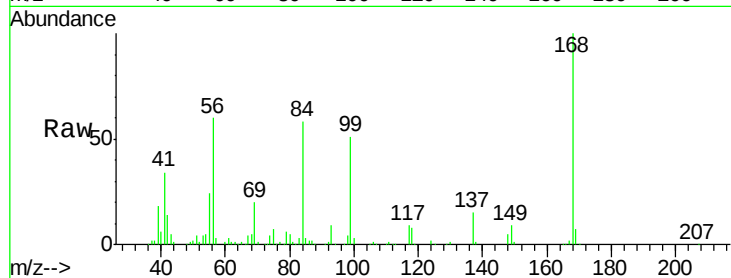
99 50.4 40.7 61.1

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

150000

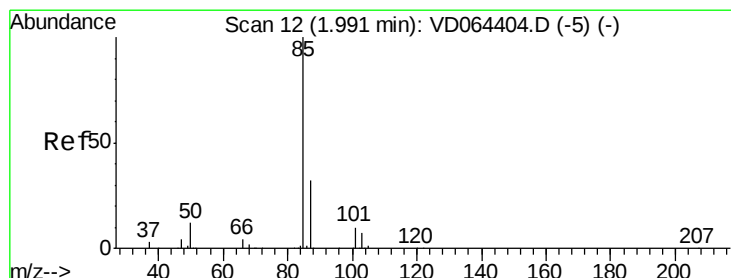
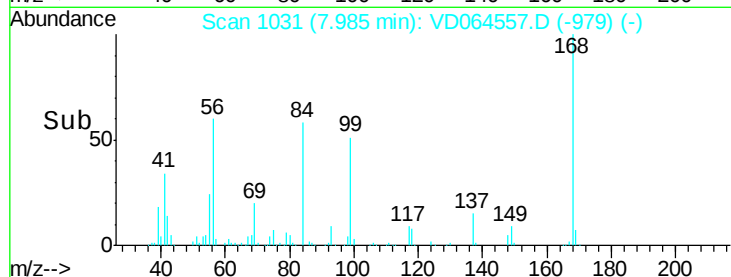
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 38.523 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD064557.D

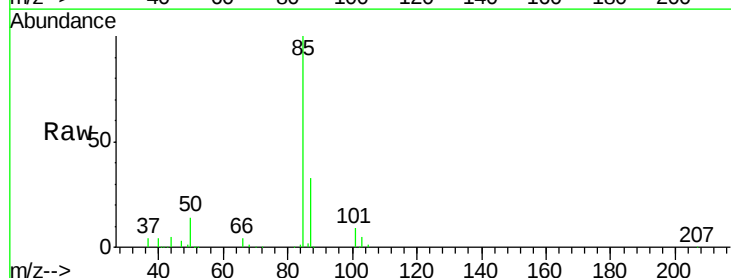
Acq: 17 Dec 2019 20:54

Tgt Ion: 85 Resp: 119717

Ion Ratio Lower Upper

85 100

87 32.7 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

100000

80000

60000

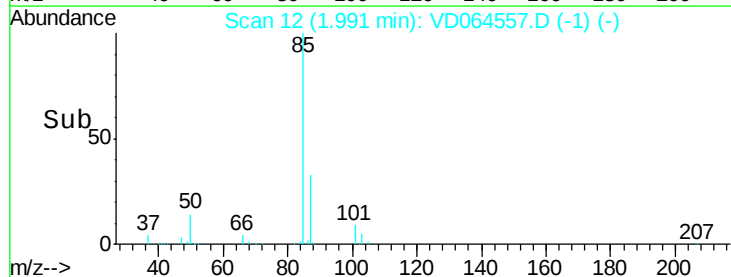
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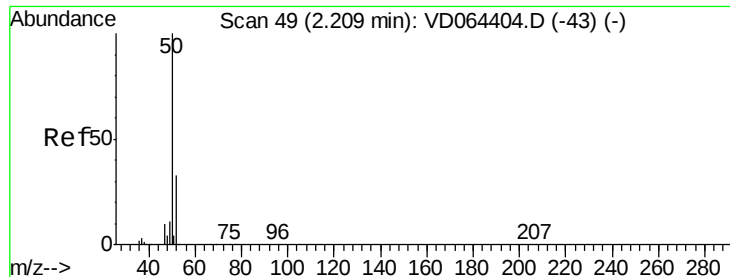
20000

0

1.90 1.95 2.00 2.05 2.10

Time-->





#3

Chloromethane

Concen: 41.280 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD064557.D

Acq: 17 Dec 2019 20:54

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 161804

Ion Ratio Lower Upper

50 100

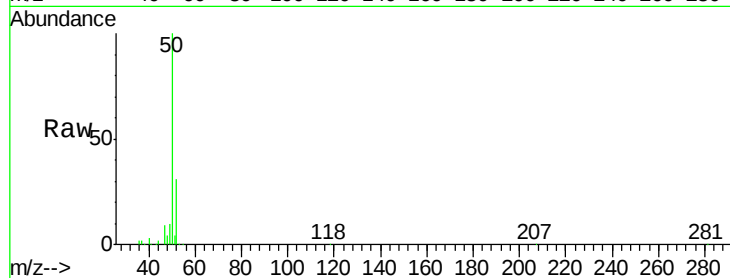
52 31.1 26.7 40.1

Manual Integrations

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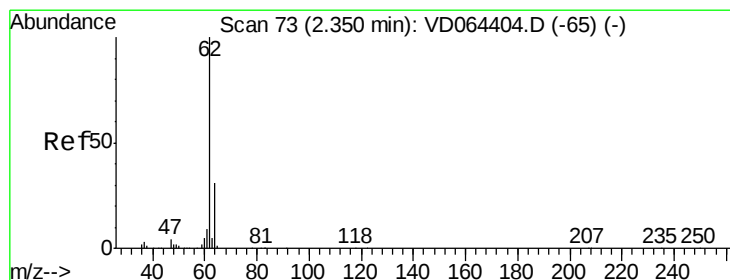
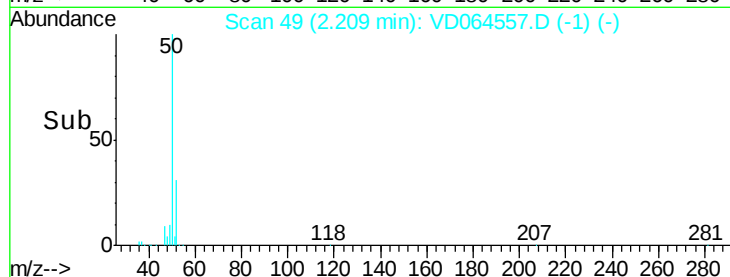
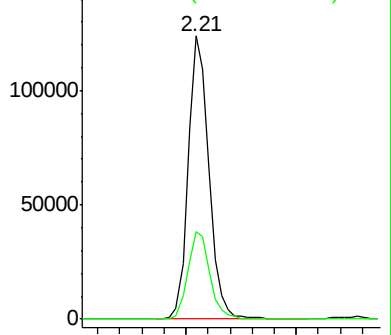
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 43.036 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD064557.D

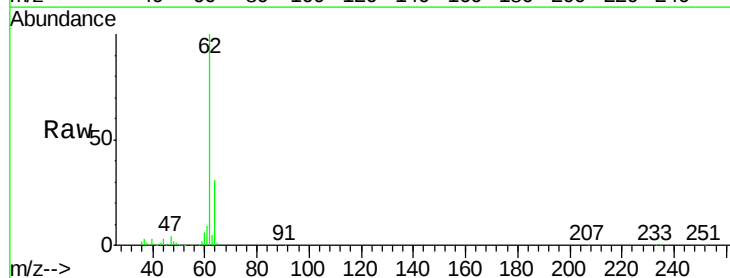
Acq: 17 Dec 2019 20:54

Tgt Ion: 62 Resp: 194769

Ion Ratio Lower Upper

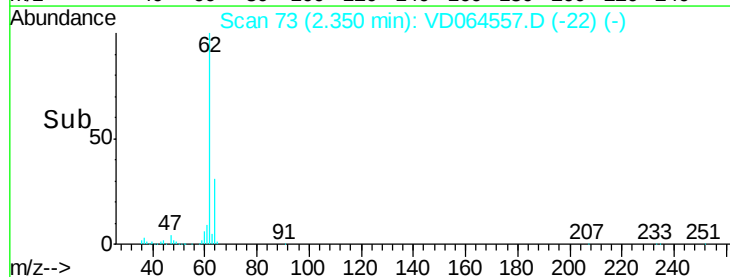
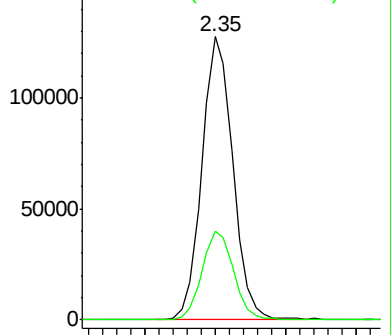
62 100

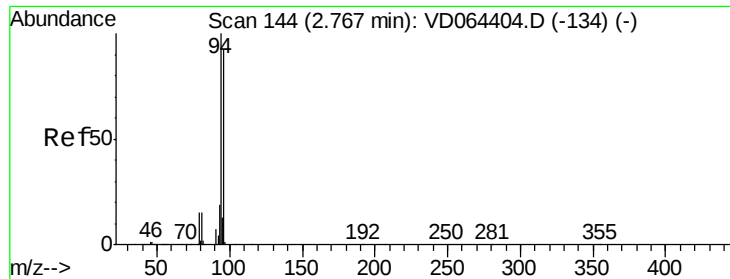
64 31.1 25.0 37.4



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 43.616 ug/l

RT: 2.77 min Scan# 145

Delta R.T. 0.01 min

Lab File: VD064557.D

Acq: 17 Dec 2019 20:54

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 145973

Ion Ratio Lower Upper

94 100

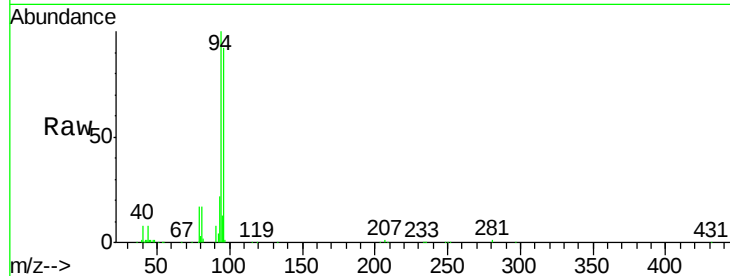
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Manual Integrations

APPROVED

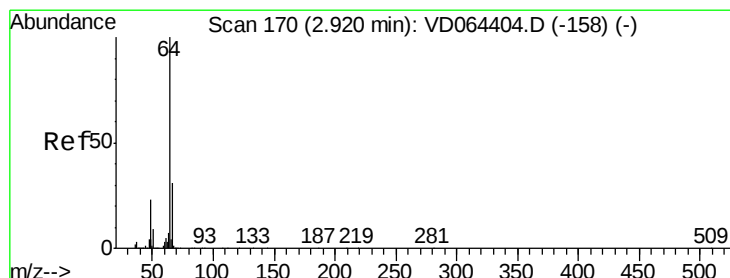
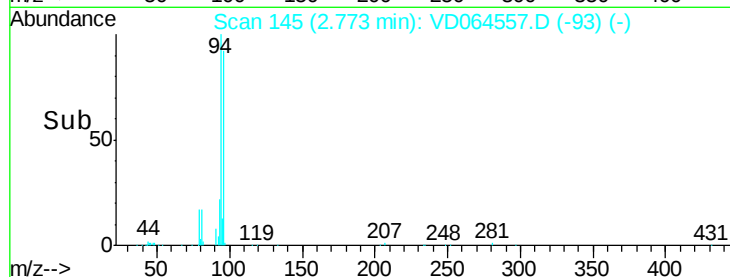
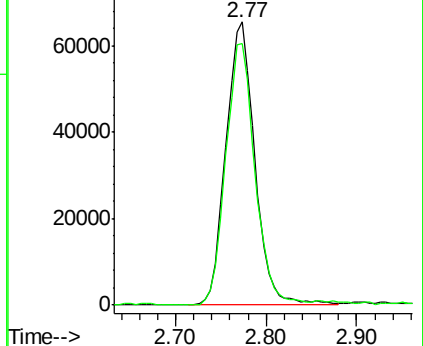
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 45.127 ug/l

RT: 2.93 min Scan# 171

Delta R.T. 0.01 min

Lab File: VD064557.D

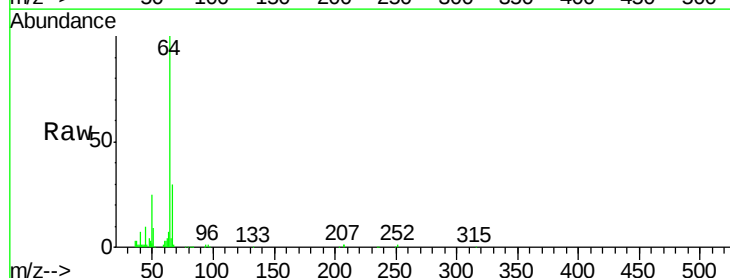
Acq: 17 Dec 2019 20:54

Tgt Ion: 64 Resp: 136507

Ion Ratio Lower Upper

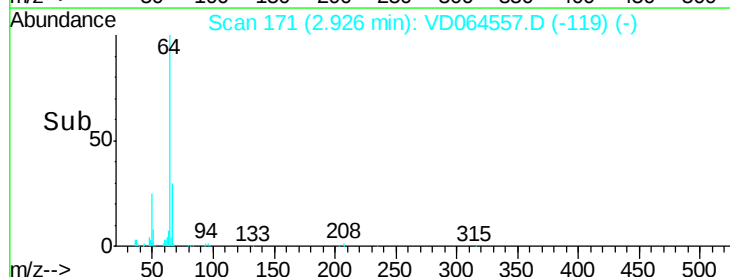
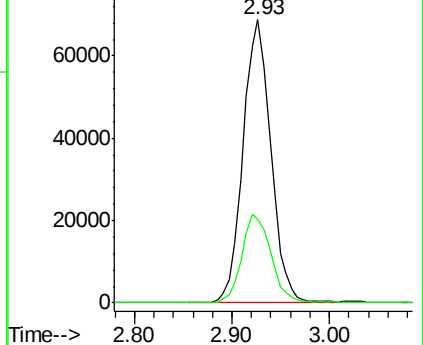
64 100

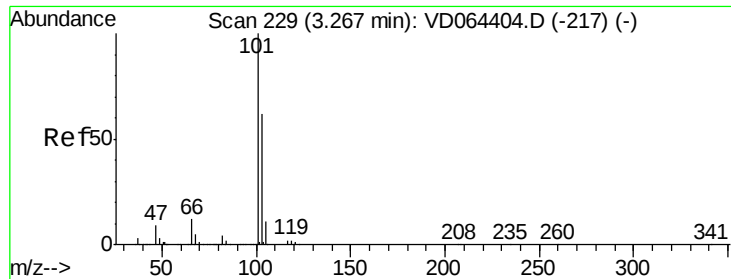
66 29.5 24.6 37.0



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

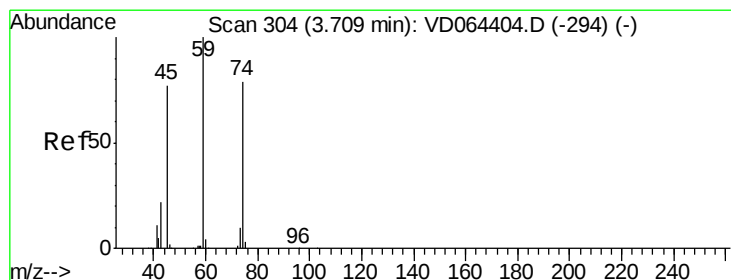
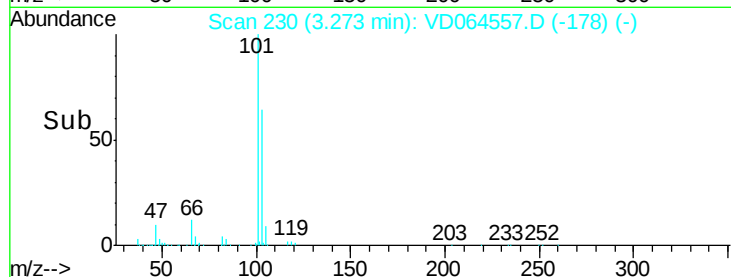
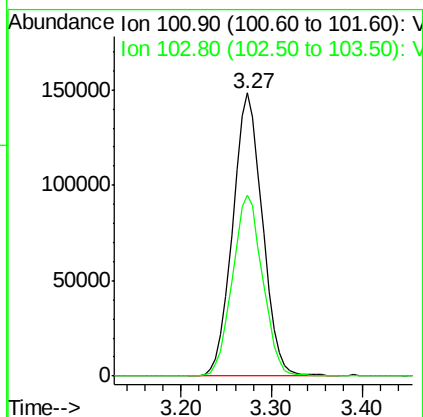
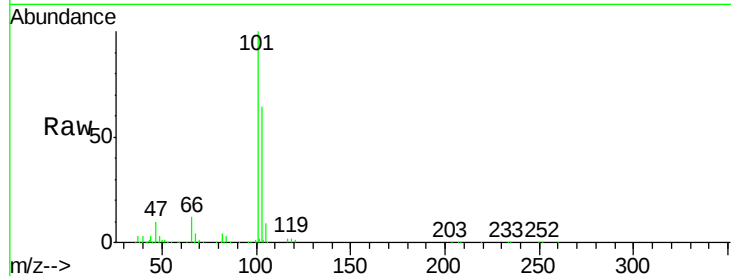
Trichlorofluoromethane
Concen: 45.032 ug/l
RT: 3.27 min Scan# 230
Delta R.T. 0.01 min
Lab File: VD064557.D
Acq: 17 Dec 2019 20:54

Instrument :
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ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.0	49.8	74.6

Manual Integrations
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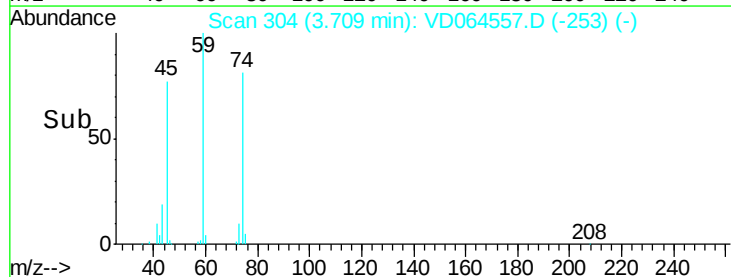
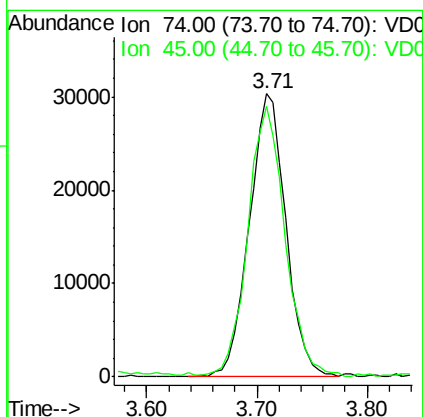
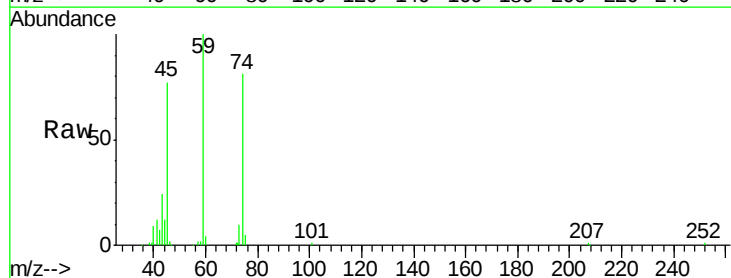
MMDadoda
12/18/2019 1:01:05 PM

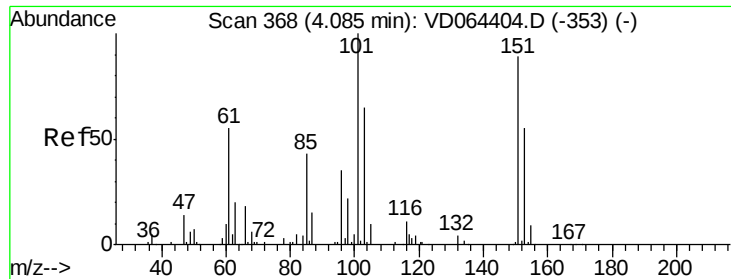


#8

Diethyl Ether
Concen: 45.075 ug/l
RT: 3.71 min Scan# 304
Delta R.T. 0.00 min
Lab File: VD064557.D
Acq: 17 Dec 2019 20:54

Tgt Ion	Ratio	Lower	Upper
74	100		
45	97.6	48.6	145.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 43.588 ug/l

RT: 4.09 min Scan# 368

Delta R.T. 0.00 min

Lab File: VD064557.D

Acq: 17 Dec 2019 20:54

Instrument :

MSVOA_D

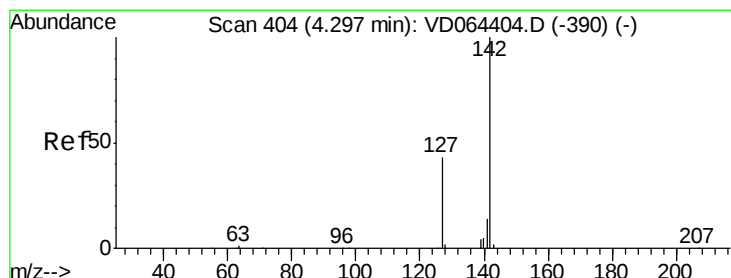
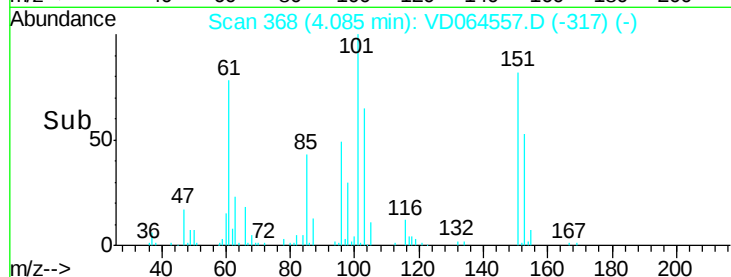
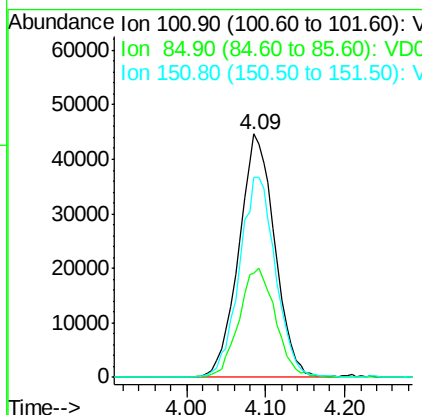
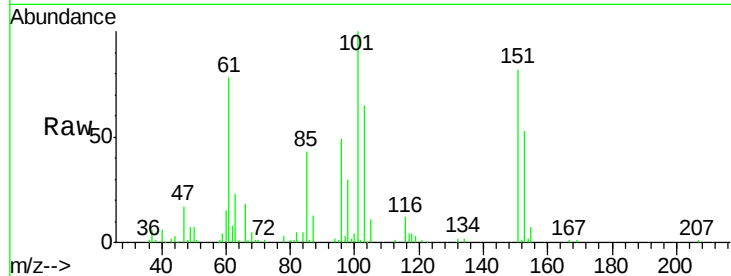
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	140610
Ion Ratio	Lower	Upper	
101	100		
85	45.5	34.8	52.2
151	83.0	68.8	103.2

Manual Integrations
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#10

Methyl Iodide

Concen: 45.807 ug/l

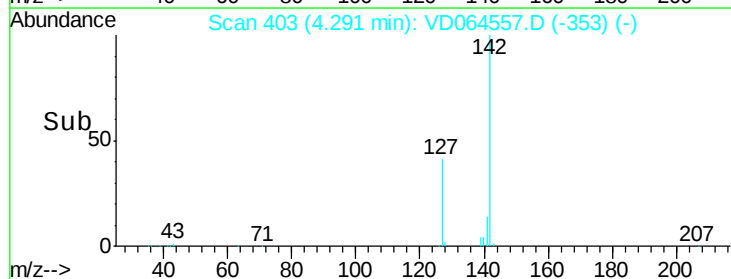
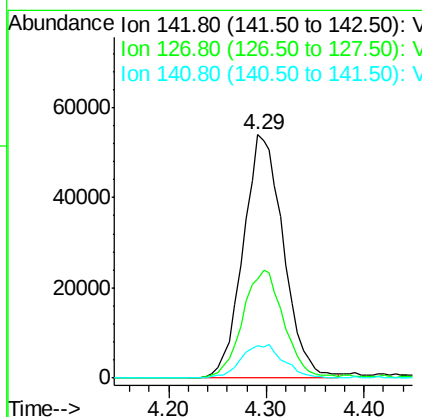
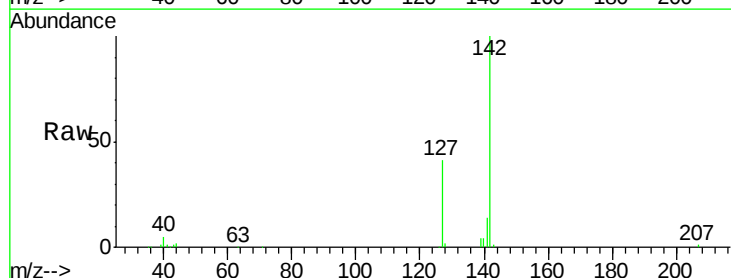
RT: 4.29 min Scan# 403

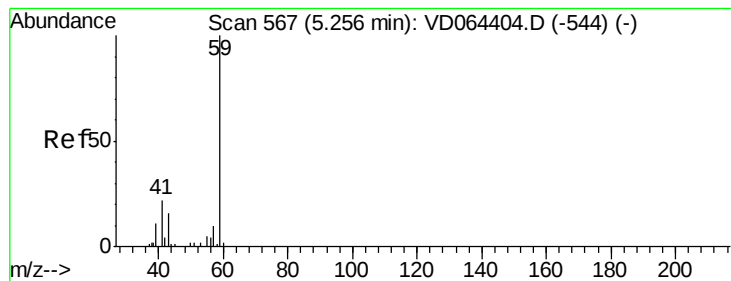
Delta R.T. -0.01 min

Lab File: VD064557.D

Acq: 17 Dec 2019 20:54

Tgt Ion:	142	Resp:	156049
Ion Ratio	Lower	Upper	
142	100		
127	45.3	35.3	52.9
141	14.4	11.6	17.4





#11

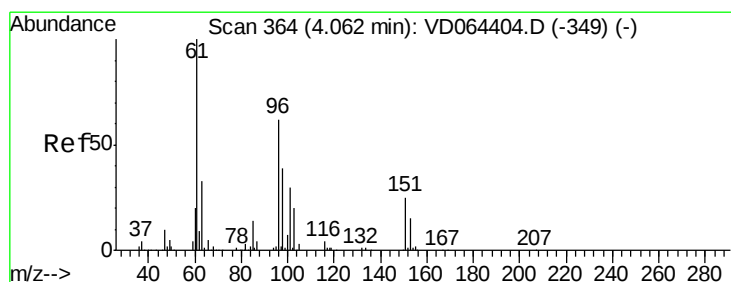
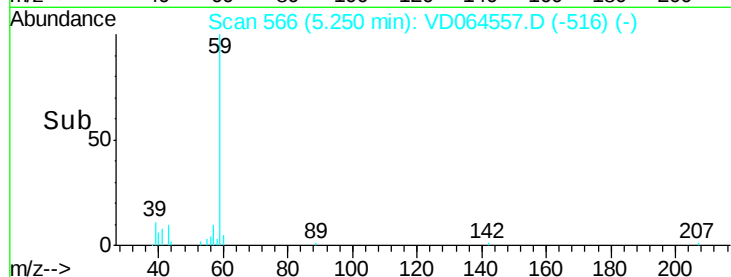
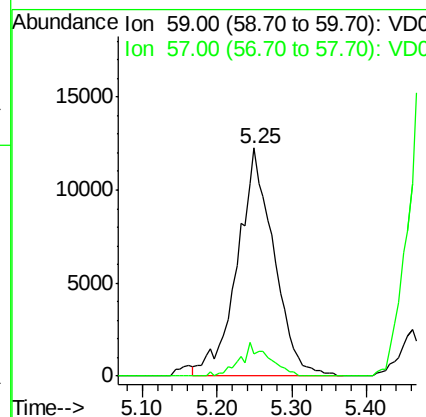
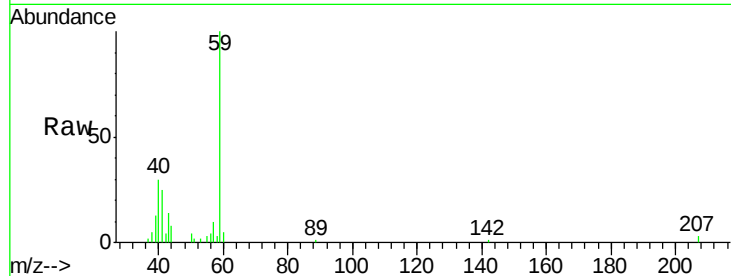
Tert butyl alcohol
Concen: 211.595 ug/l
RT: 5.25 min Scan# 566
Delta R.T. -0.01 min
Lab File: VD064557.D
Acq: 17 Dec 2019 20:54

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 59 Resp: 41814
Ion Ratio Lower Upper
59 100
57 11.4 0.0 0.0#

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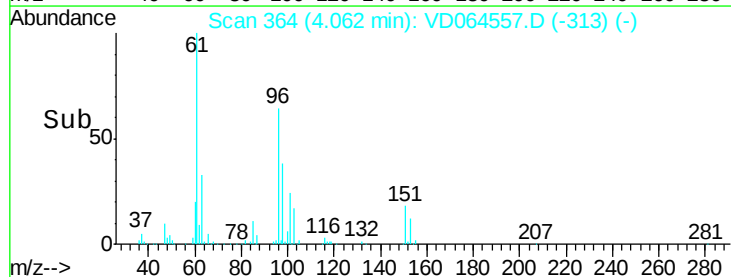
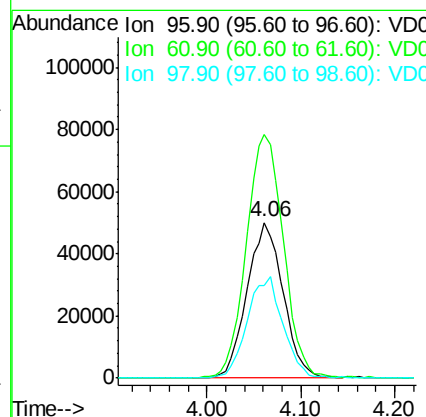
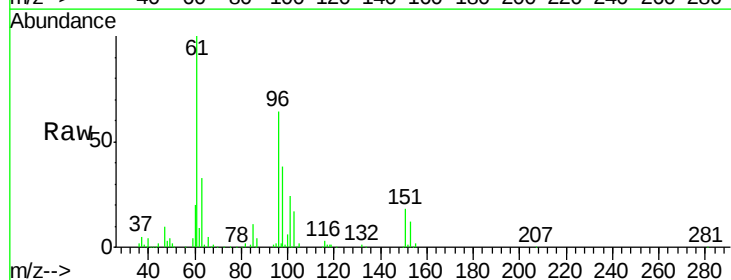
MMDadoda
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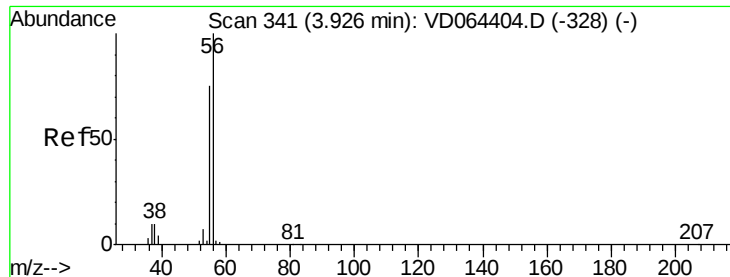


#12

1,1-Dichloroethene
Concen: 43.074 ug/l
RT: 4.06 min Scan# 364
Delta R.T. 0.00 min
Lab File: VD064557.D
Acq: 17 Dec 2019 20:54

Tgt Ion: 96 Resp: 133159
Ion Ratio Lower Upper
96 100
61 156.4 128.2 192.4
98 59.2 50.4 75.6





#13

Acrolein

Concen: 252.855 ug/l

RT: 3.93 min Scan# 341

Delta R.T. 0.00 min

Lab File: VD064557.D

Acq: 17 Dec 2019 20:54

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 68155

Ion Ratio Lower Upper

56 100

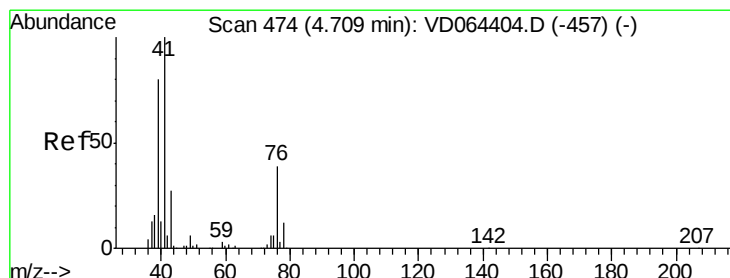
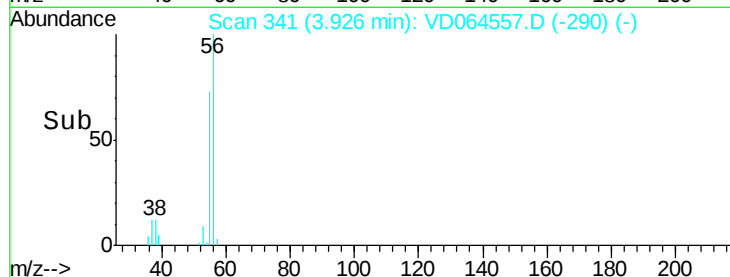
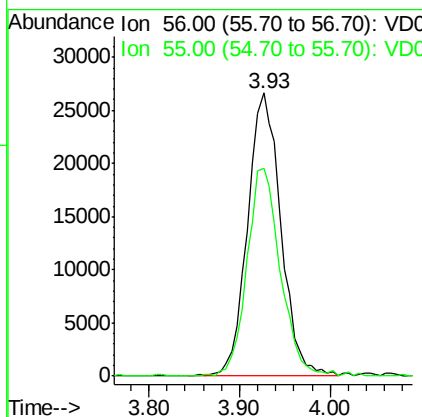
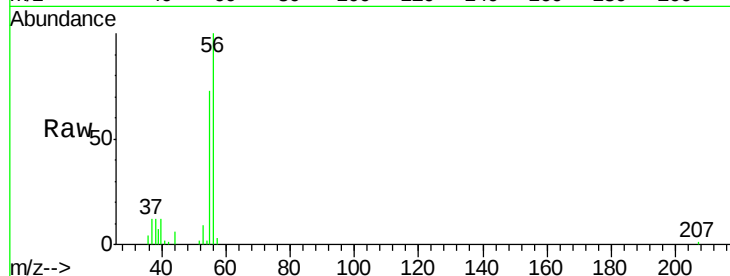
55 73.6 56.9 85.3

Manual Integrations

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#14

Allyl chloride

Concen: 45.242 ug/l

RT: 4.71 min Scan# 474

Delta R.T. 0.00 min

Lab File: VD064557.D

Acq: 17 Dec 2019 20:54

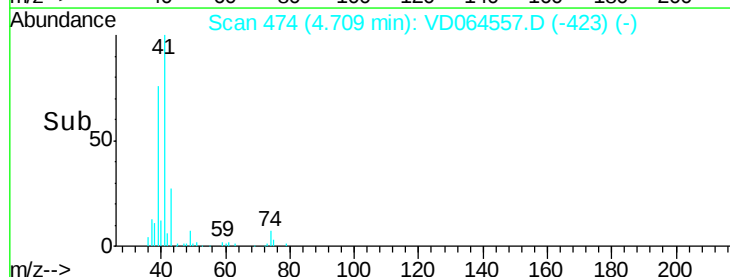
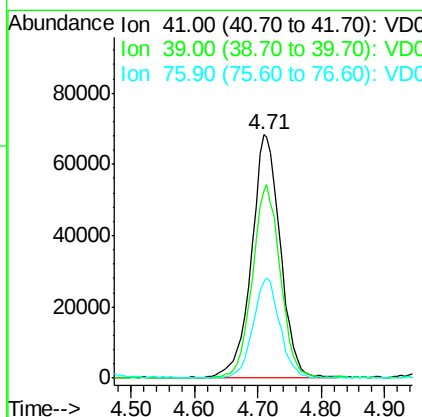
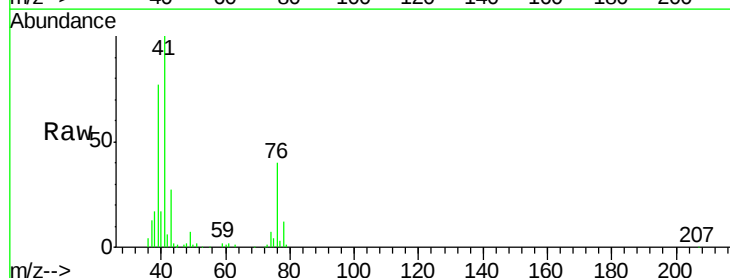
Tgt Ion: 41 Resp: 218274

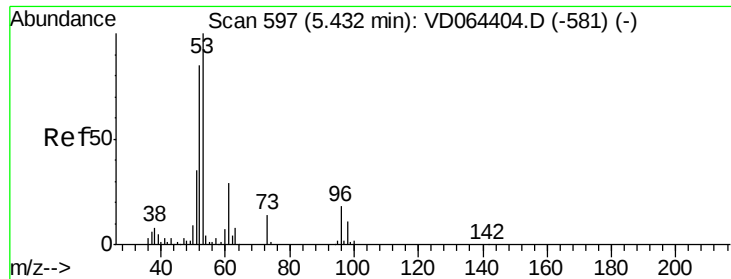
Ion Ratio Lower Upper

41 100

39 76.5 62.1 93.1

76 38.0 29.8 44.8





#15

Acrylonitrile

Concen: 219.453 ug/l

RT: 5.43 min Scan# 597

Delta R.T. 0.00 min

Lab File: VD064557.D

Acq: 17 Dec 2019 20:54

Instrument :

MSVOA_D

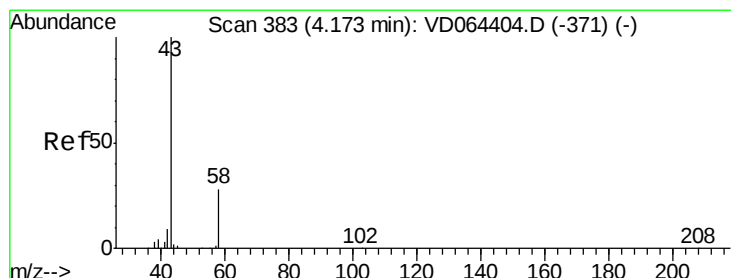
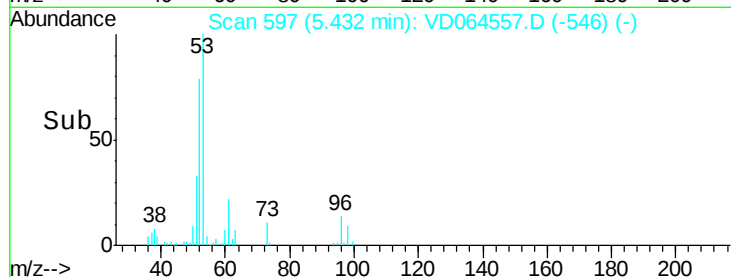
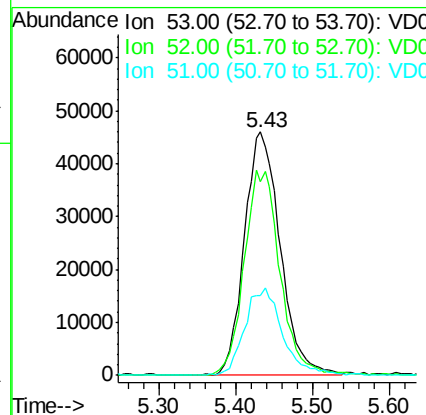
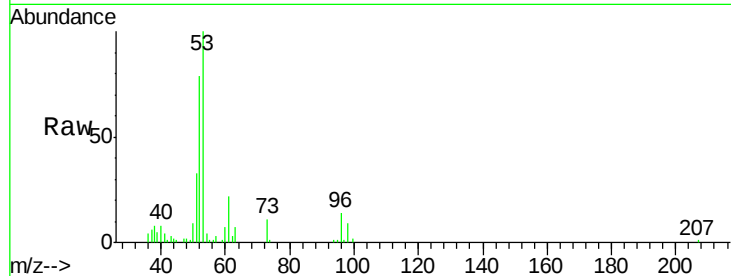
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	150032
Ion Ratio	Lower	Upper	
53	100		
52	84.2	67.9	101.9
51	37.7	30.6	45.8

Manual Integrations
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#16

Acetone

Concen: 221.945 ug/l

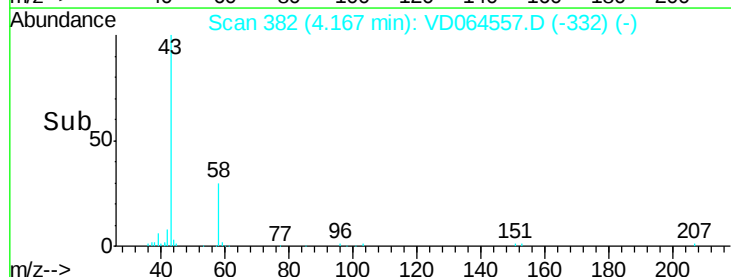
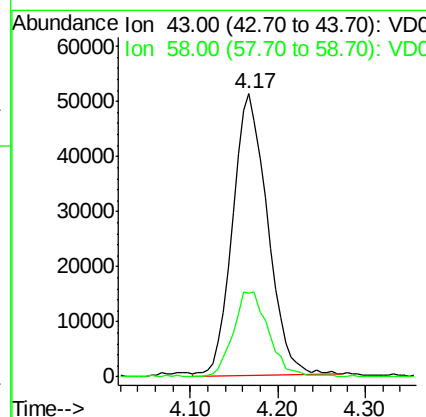
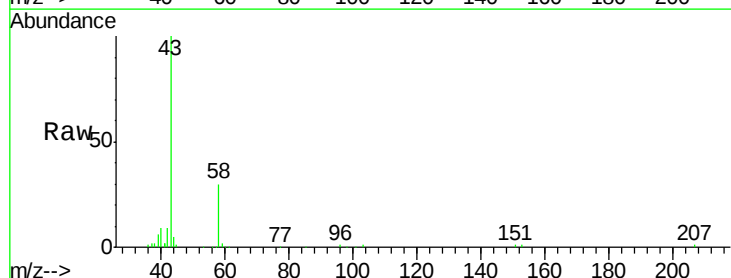
RT: 4.17 min Scan# 382

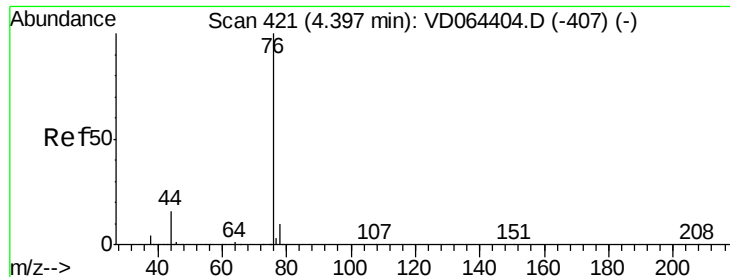
Delta R.T. -0.01 min

Lab File: VD064557.D

Acq: 17 Dec 2019 20:54

Tgt Ion:	43	Resp:	139236
Ion Ratio	Lower	Upper	
43	100		
58	29.9	22.6	33.8





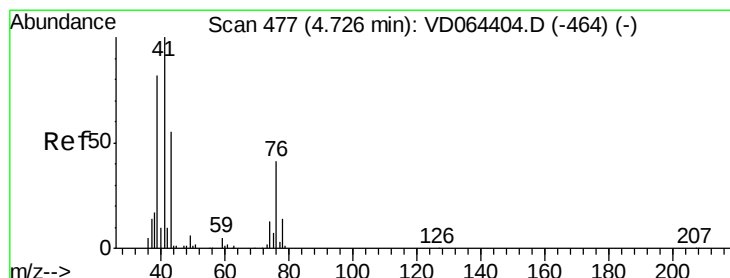
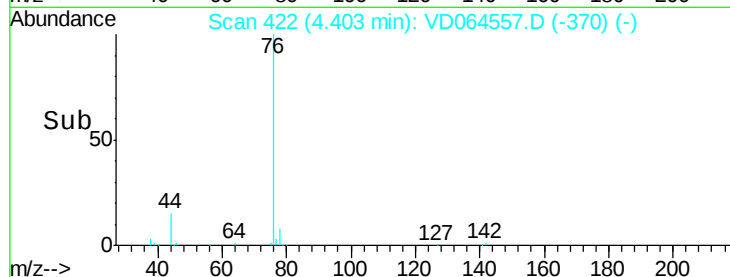
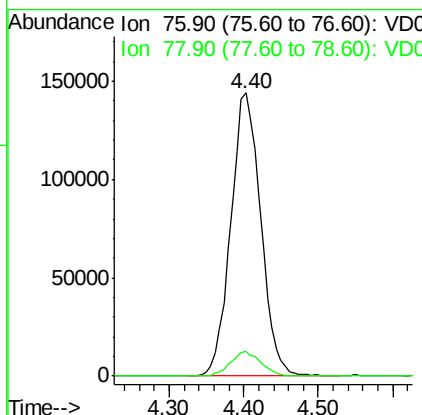
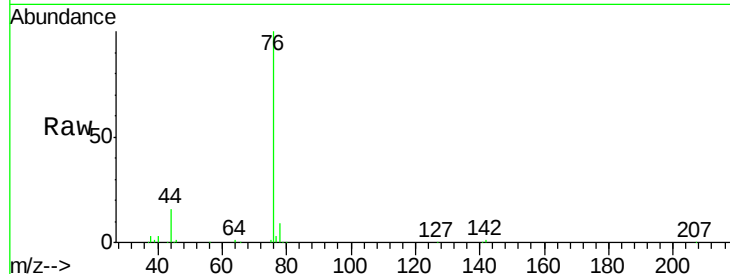
#17
Carbon Disulfide
Concen: 41.118 ug/l
RT: 4.40 min Scan# 422
Delta R.T. 0.01 min
Lab File: VD064557.D
Acq: 17 Dec 2019 20:54

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.8	11.8

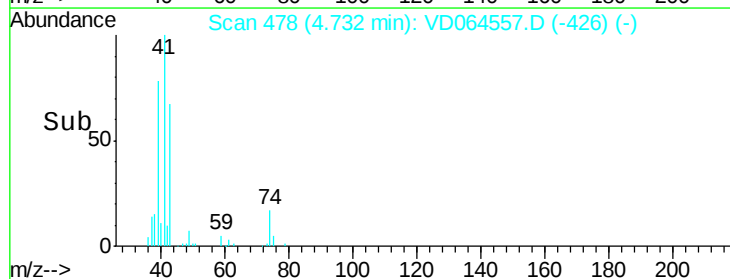
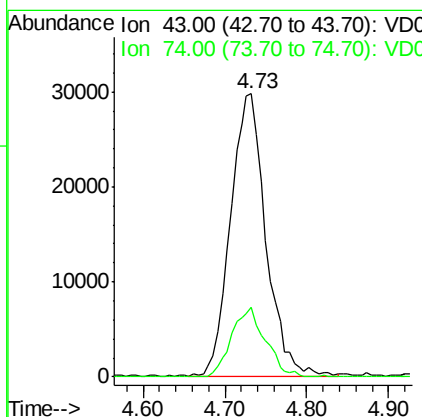
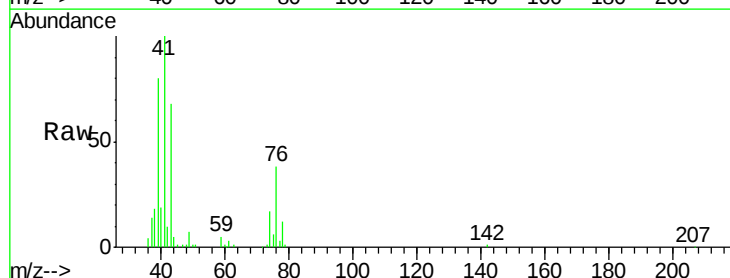
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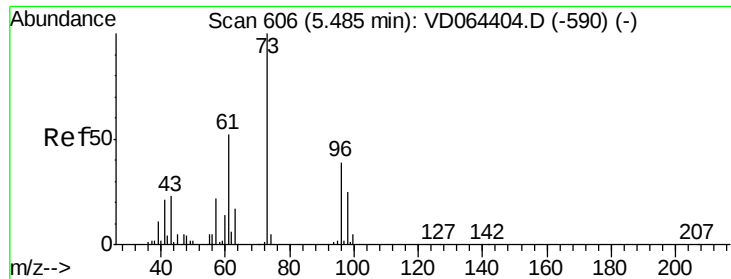
MMDadoda
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#18
Methyl Acetate
Concen: 49.085 ug/l
RT: 4.73 min Scan# 478
Delta R.T. 0.01 min
Lab File: VD064557.D
Acq: 17 Dec 2019 20:54

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.3	19.7	29.5





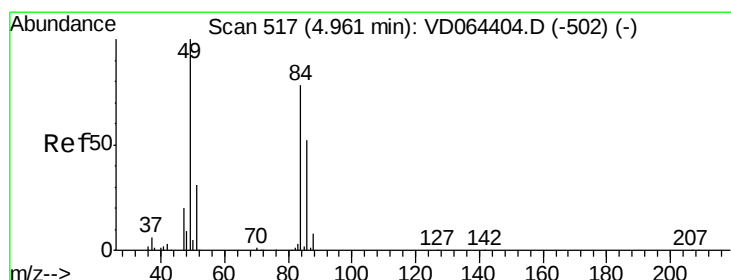
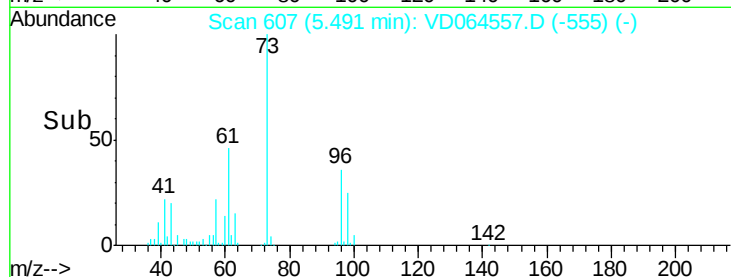
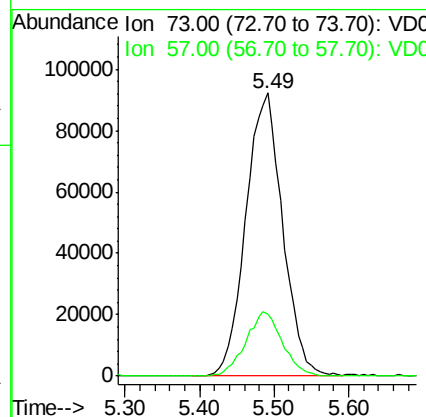
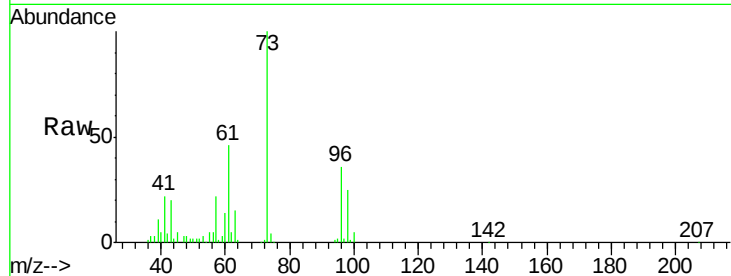
#19
Methvl tert-butvl Ether
Concen: 44.606 ug/l
RT: 5.49 min Scan# 607
Delta R.T. 0.01 min
Lab File: VD064557.D
Acq: 17 Dec 2019 20:54

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 316315
Ion Ratio Lower Upper
73 100
57 21.7 17.6 26.4

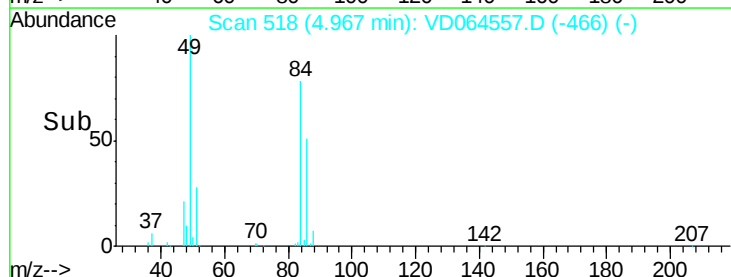
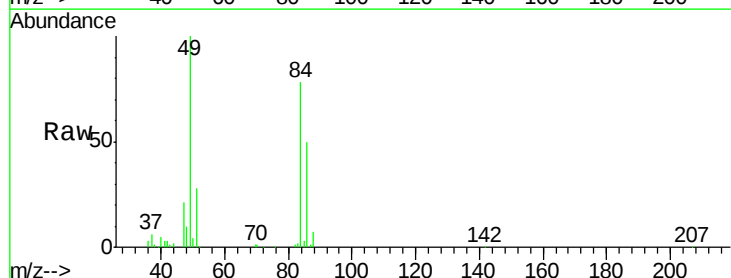
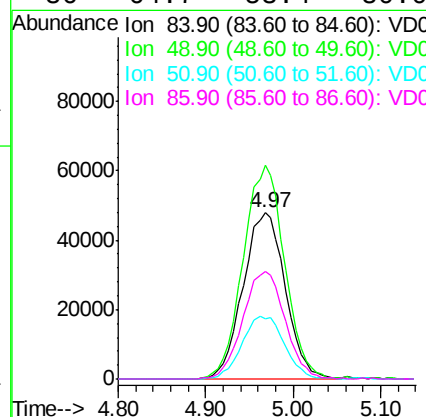
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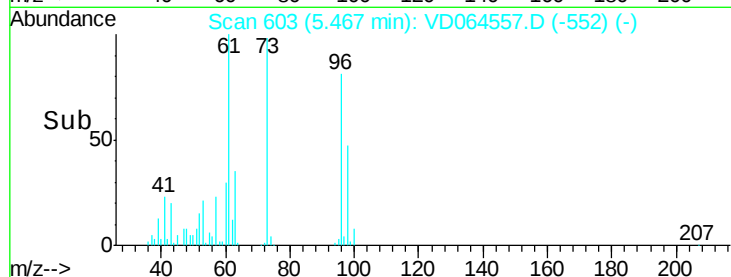
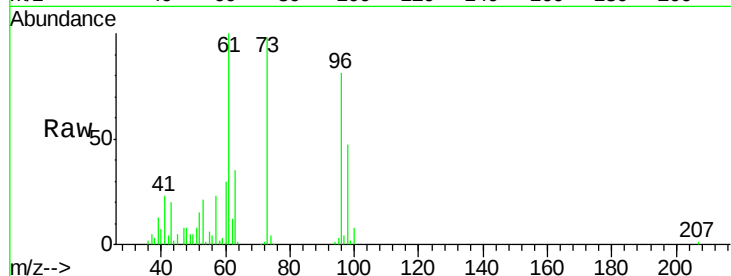
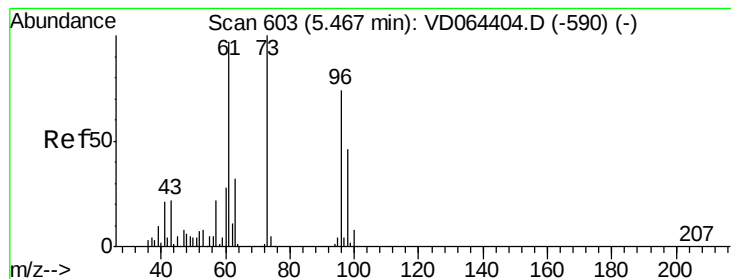
MMDadoda
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#20
Methylene Chloride
Concen: 49.441 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.01 min
Lab File: VD064557.D
Acq: 17 Dec 2019 20:54

Tgt Ion: 84 Resp: 157754
Ion Ratio Lower Upper
84 100
49 128.0 102.6 153.8
51 36.1 32.0 48.0
86 64.7 53.4 80.0





#21

trans-1,2-Dichloroethene

Concen: 44.958 ug/l

RT: 5.47 min Scan# 603

Delta R.T. 0.00 min

Lab File: VD064557.D

Acq: 17 Dec 2019 20:54

Tot Ion:	96	Resp:	157213
Ion	Ratio	Lower	Upper
96	100		
61	123.8	105.8	158.6
98	57.7	50.1	75.1

Instrument :

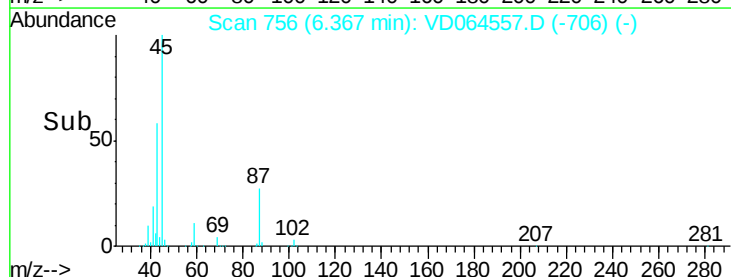
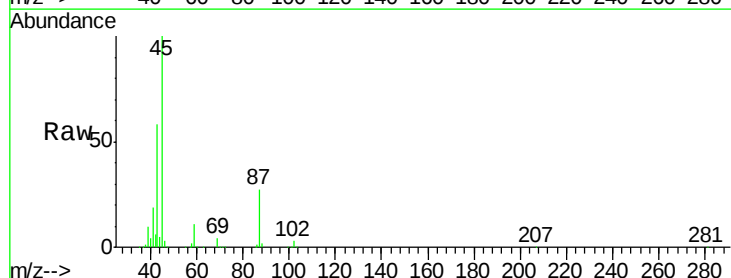
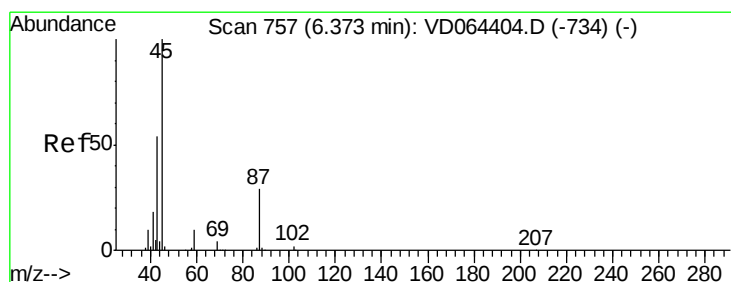
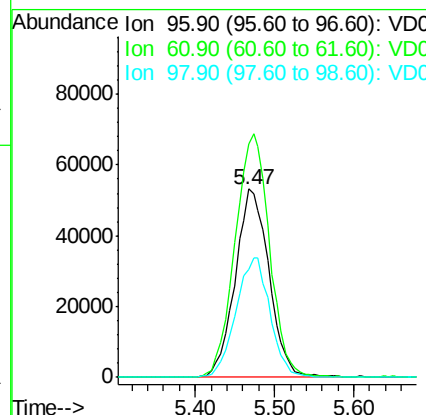
MSVOA_D

ClientSampleId :

VSTDCCC050EC

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#22

Diisopropyl ether

Concen: 46.867 ug/l

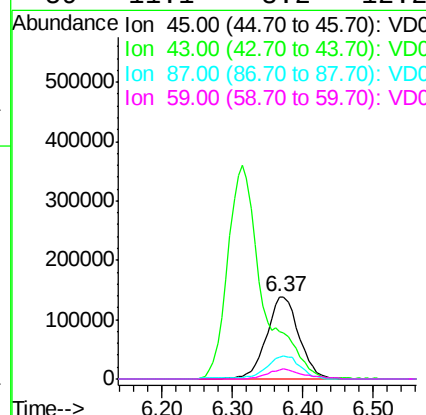
RT: 6.37 min Scan# 756

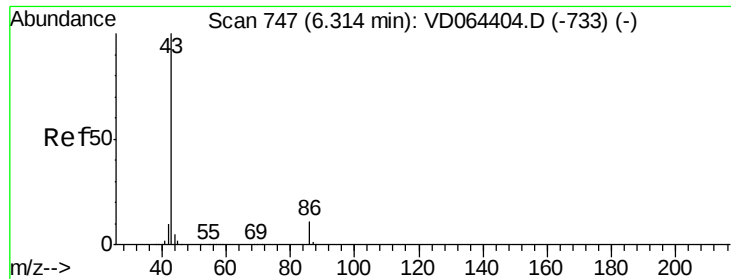
Delta R.T. -0.01 min

Lab File: VD064557.D

Acq: 17 Dec 2019 20:54

Tgt Ion:	45	Resp:	446371
Ion	Ratio	Lower	Upper
45	100		
43	58.2	43.1	64.7
87	26.6	23.5	35.3
59	11.1	8.2	12.2





#23

Vinyl Acetate

Concen: 219.978 ug/l

RT: 6.31 min Scan# 747

Delta R.T. 0.00 min

Lab File: VD064557.D

Acq: 17 Dec 2019 20:54

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1235154

Ion Ratio Lower Upper

43 100

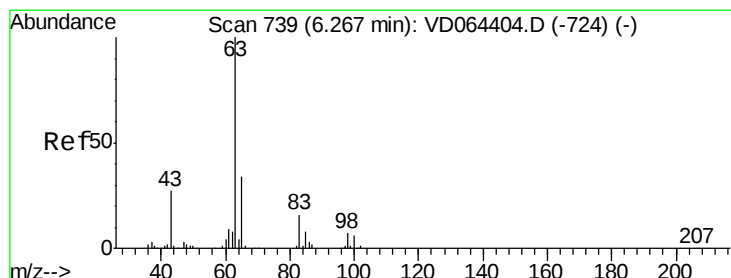
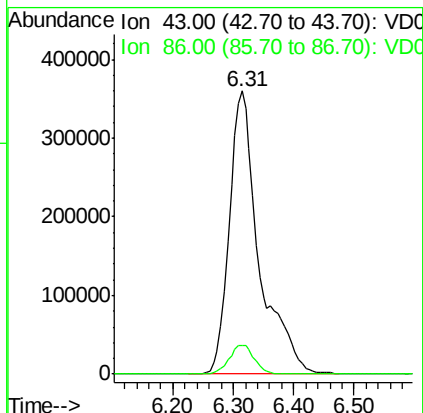
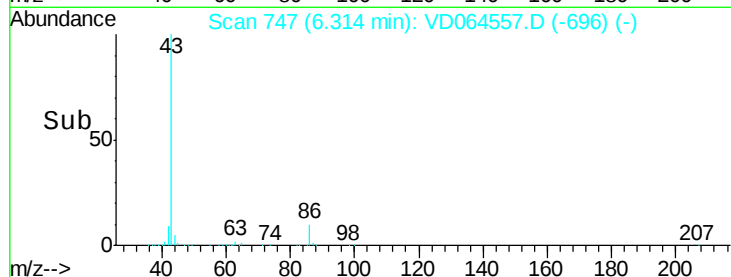
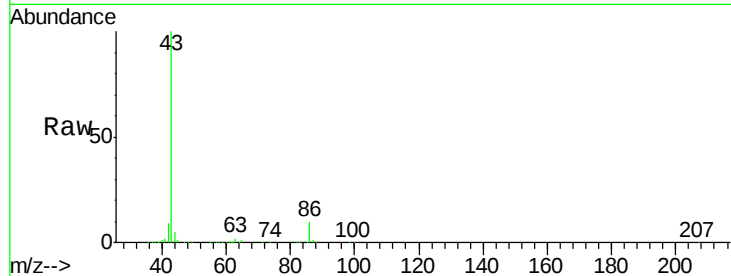
86 10.3 8.9 13.3

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 47.423 ug/l

RT: 6.27 min Scan# 740

Delta R.T. 0.01 min

Lab File: VD064557.D

Acq: 17 Dec 2019 20:54

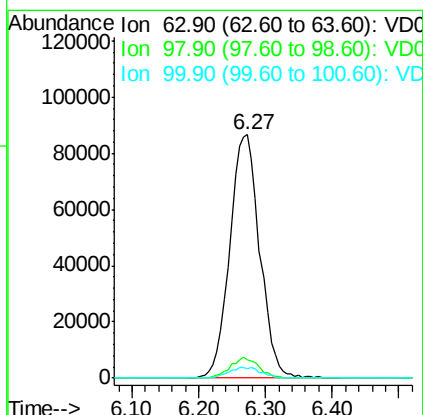
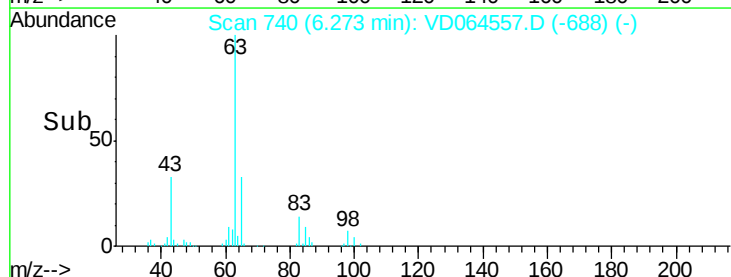
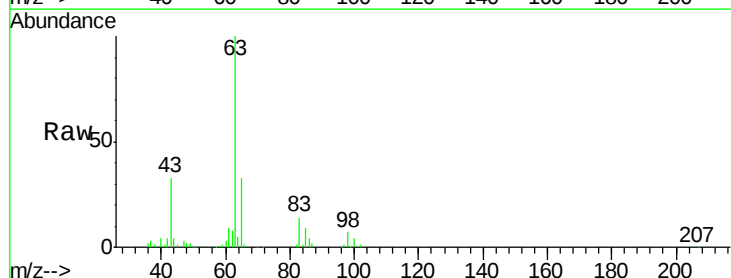
Tgt Ion: 63 Resp: 271629

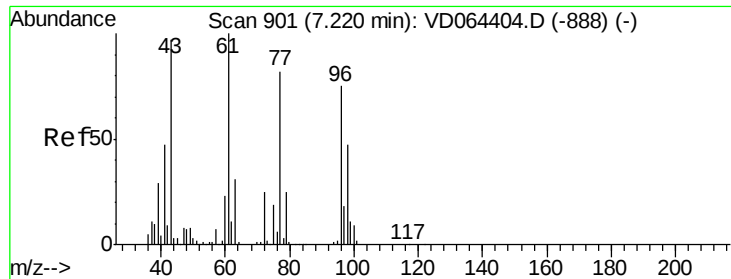
Ion Ratio Lower Upper

63 100

98 7.3 3.6 10.9

100 4.0 2.9 8.6





#25

2-Butanone

Concen: 215.028 ug/l

RT: 7.23 min Scan# 902

Delta R.T. 0.01 min

Lab File: VD064557.D

Acq: 17 Dec 2019 20:54

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 190772

Ion Ratio Lower Upper

43 100

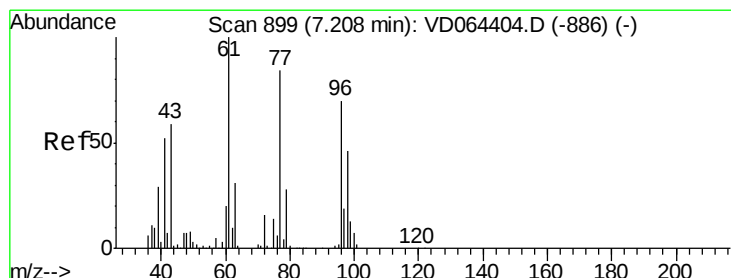
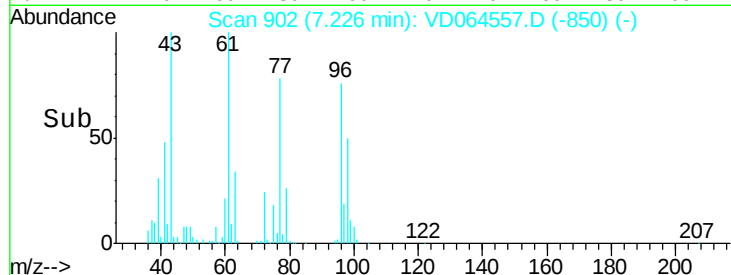
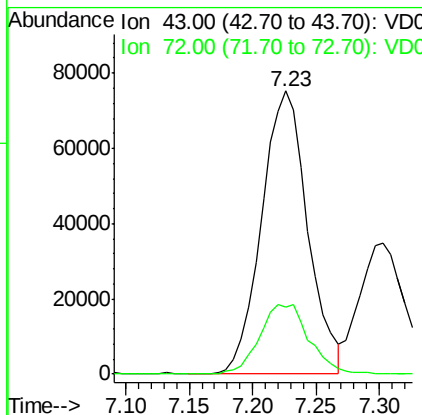
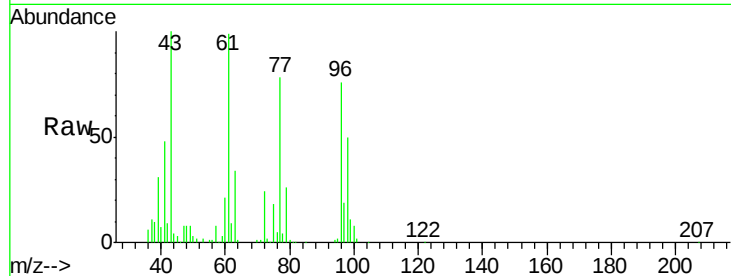
72 23.9 21.0 31.4

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 45.192 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.01 min

Lab File: VD064557.D

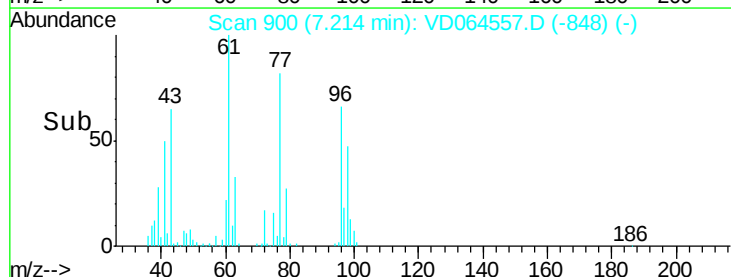
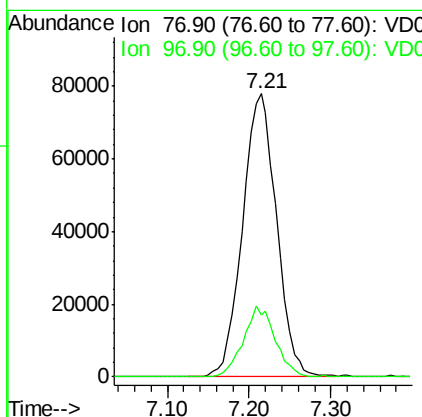
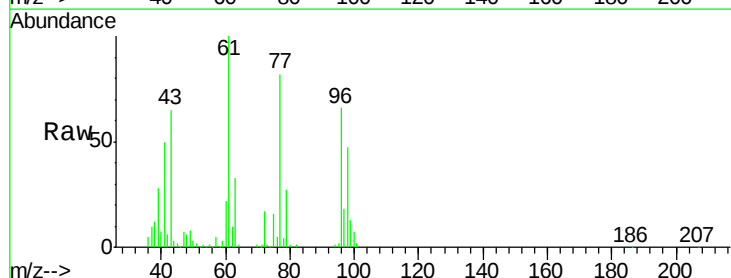
Acq: 17 Dec 2019 20:54

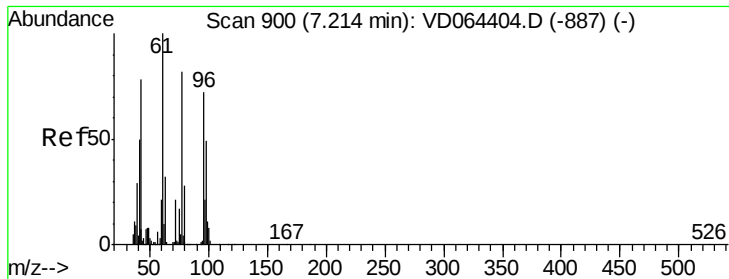
Tgt Ion: 77 Resp: 225112

Ion Ratio Lower Upper

77 100

97 23.3 11.6 34.7





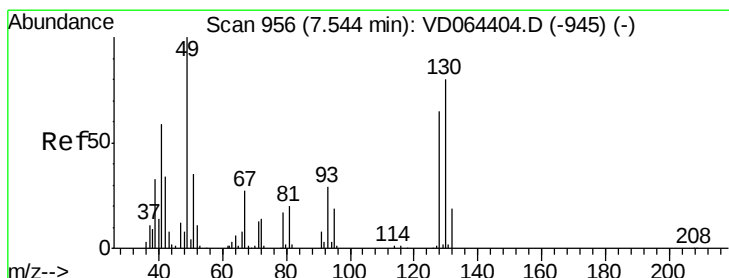
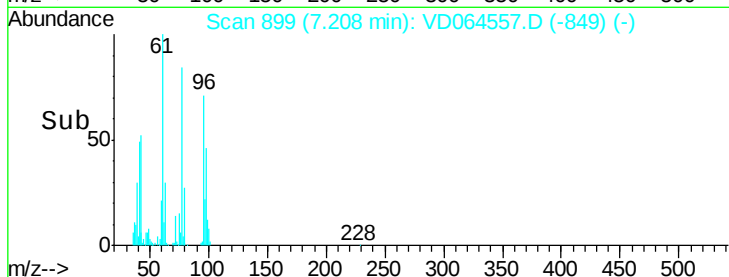
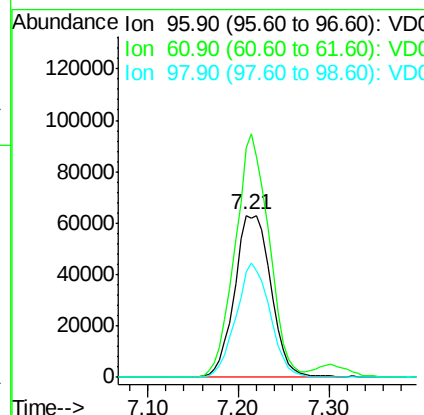
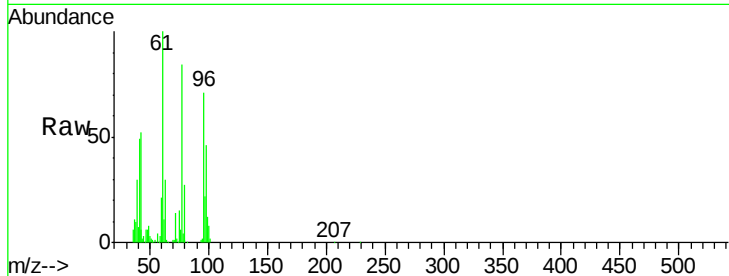
#27
 cis-1,2-Dichloroethene
 Concen: 46.289 ug/l
 RT: 7.21 min Scan# 899
 Delta R.T. -0.01 min
 Lab File: VD064557.D
 Acq: 17 Dec 2019 20:54

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
96	100				
61	139.7	0.0	279.6		
98	65.8	0.0	129.2		

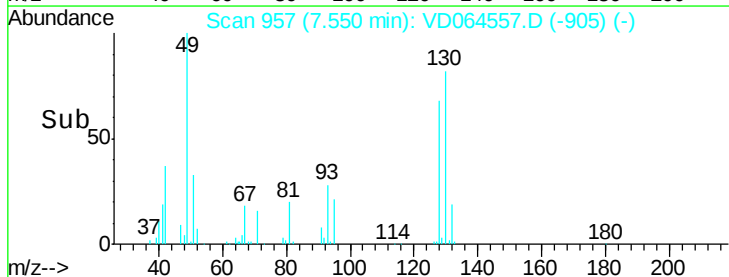
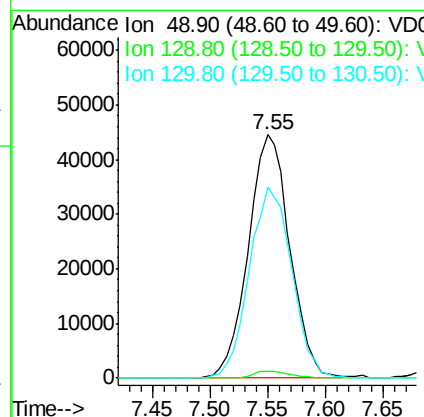
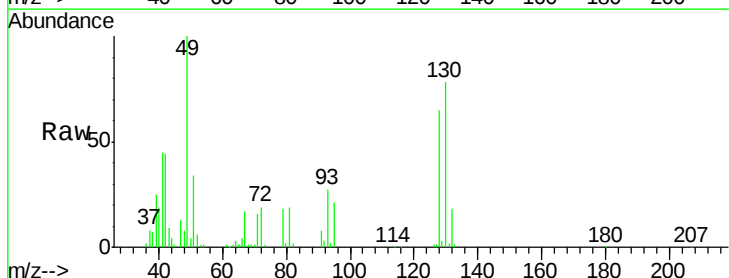
Manual Integrations
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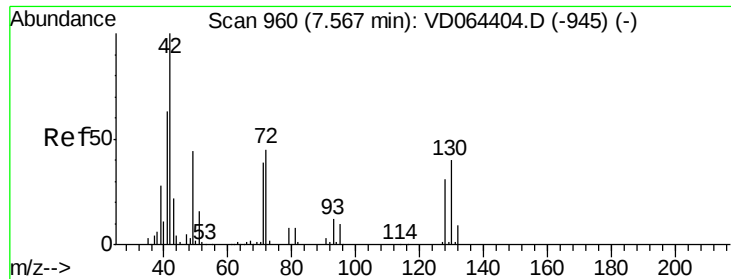
MMDadoda
 12/18/2019 1:01:05 PM



#28
 Bromochloromethane
 Concen: 57.015 ug/l
 RT: 7.55 min Scan# 957
 Delta R.T. 0.01 min
 Lab File: VD064557.D
 Acq: 17 Dec 2019 20:54

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
49	100				
129	2.5	0.0	4.4		
130	80.3	67.4	101.0		





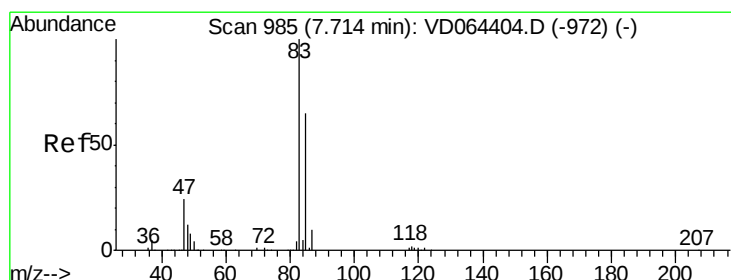
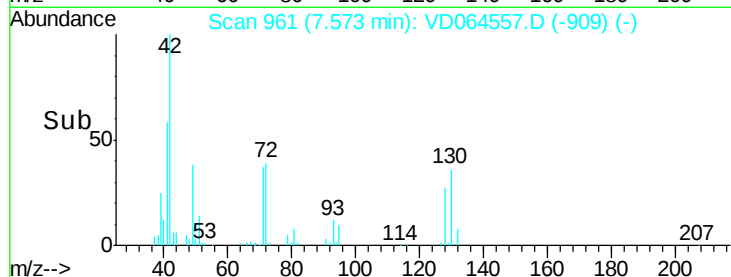
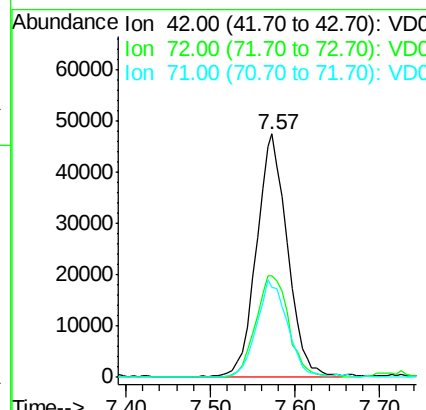
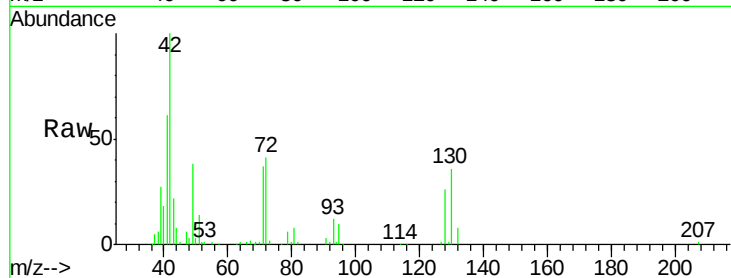
#29
Tetrahydrofuran
Concen: 215.301 ug/l
RT: 7.57 min Scan# 961
Delta R.T. 0.01 min
Lab File: VD064557.D
Acq: 17 Dec 2019 20:54

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.4	35.8	53.8
71	39.7	32.7	49.1

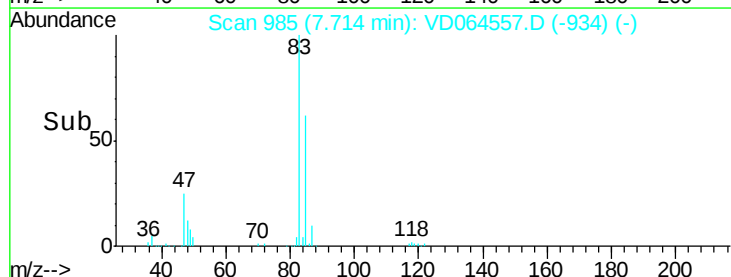
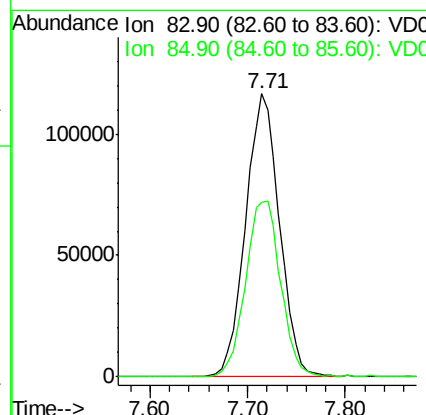
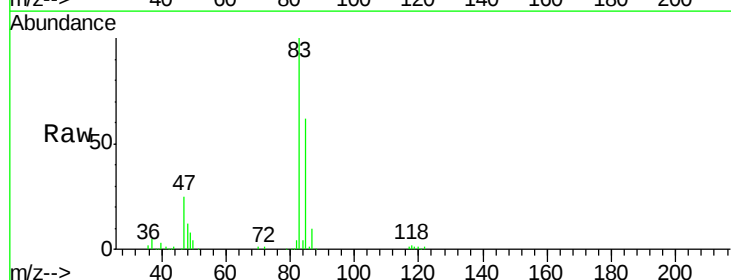
Manual Integrations
APPROVED

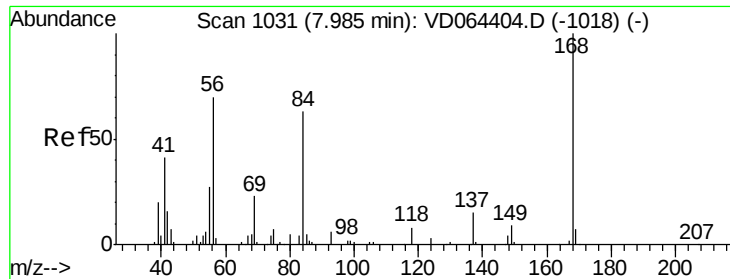
MMDadoda
12/18/2019 1:01:05 PM



#30
Chloroform
Concen: 47.793 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD064557.D
Acq: 17 Dec 2019 20:54

Tgt Ion	Ratio	Lower	Upper
83	100		
85	61.8	51.8	77.6





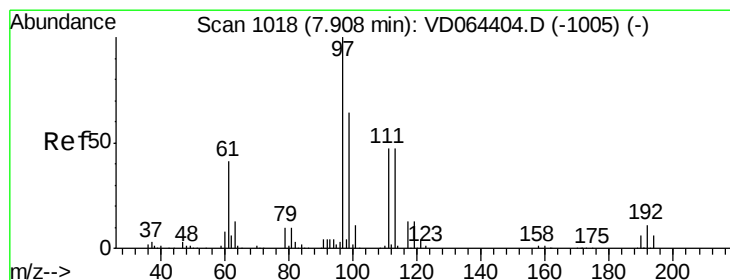
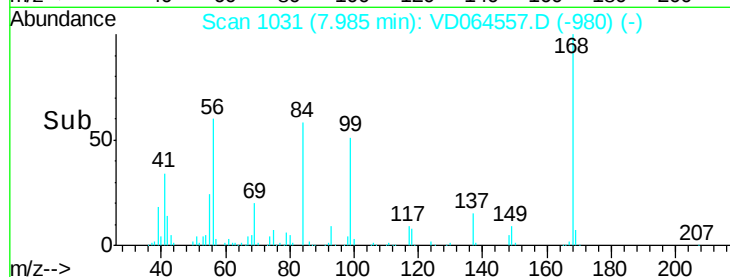
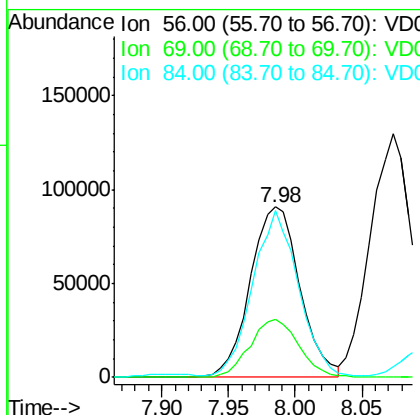
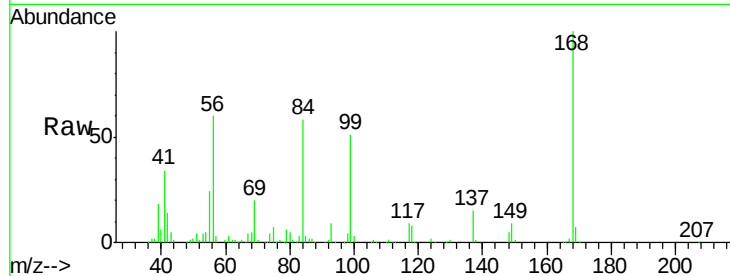
#31
Cyclohexane
Concen: 46.439 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD064557.D
Acq: 17 Dec 2019 20:54

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	34.2	26.2	39.4
84	95.6	70.3	105.5

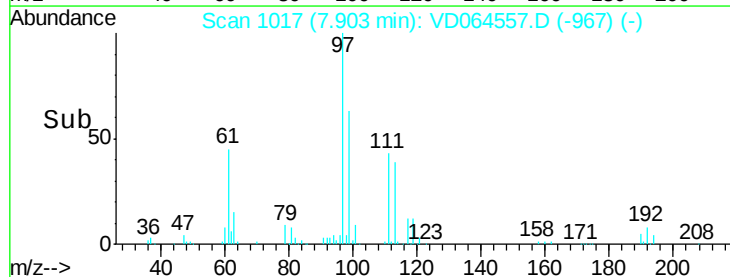
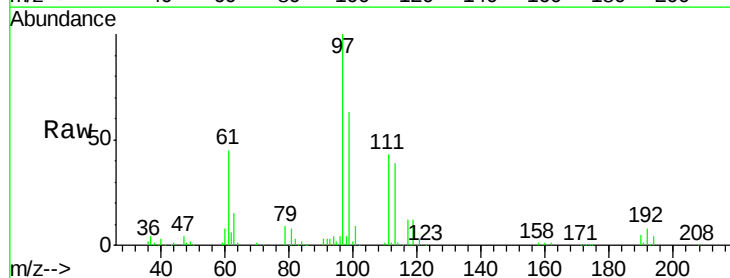
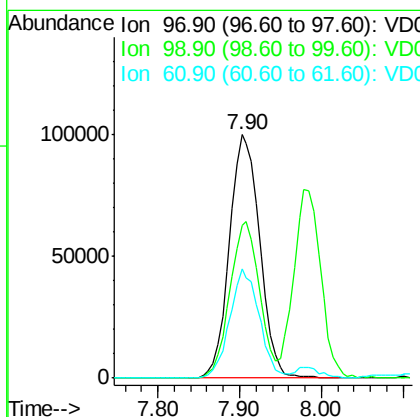
Manual Integrations
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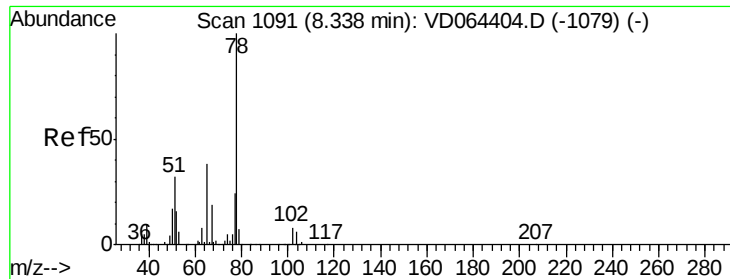
MMDadoda
12/18/2019 1:01:05 PM



#32
1,1,1-Trichloroethane
Concen: 46.949 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VD064557.D
Acq: 17 Dec 2019 20:54

Tgt Ion	Ratio	Lower	Upper
97	100		
99	62.5	51.4	77.2
61	43.4	35.0	52.4





#33

1,2-Dichloroethane-d4

Concen: 55.065 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.00 min

Lab File: VD064557.D

Acq: 17 Dec 2019 20:54

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 65 Resp: 170945

Ion Ratio Lower Upper

65 100

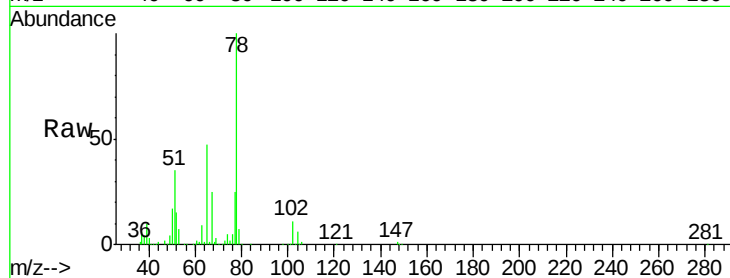
67 53.4 0.0 102.0

Manual Integrations

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Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC

8.34

80000

60000

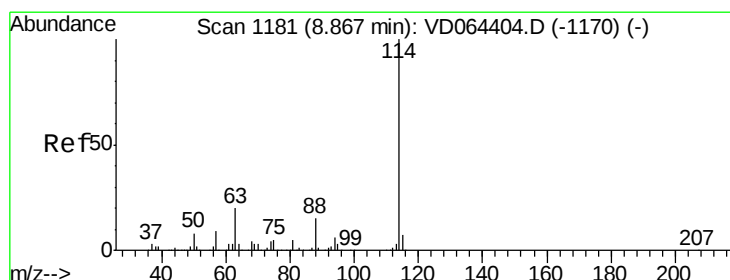
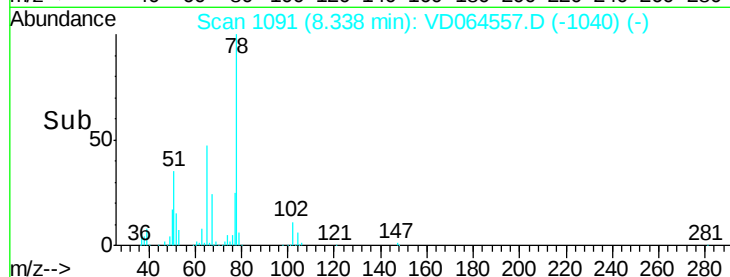
40000

20000

0

8.25 8.30 8.35 8.40

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VD064557.D

Acq: 17 Dec 2019 20:54

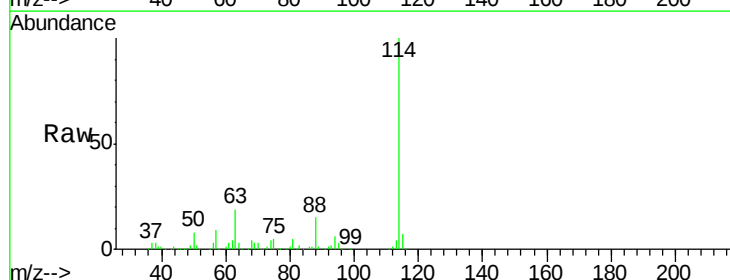
Tgt Ion: 114 Resp: 512142

Ion Ratio Lower Upper

114 100

63 18.6 0.0 40.0

88 14.7 0.0 29.2



Abundance Ion 113.90 (113.60 to 114.60): VDC

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

8.87

300000

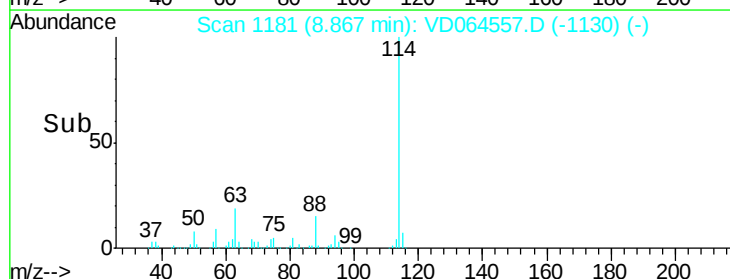
200000

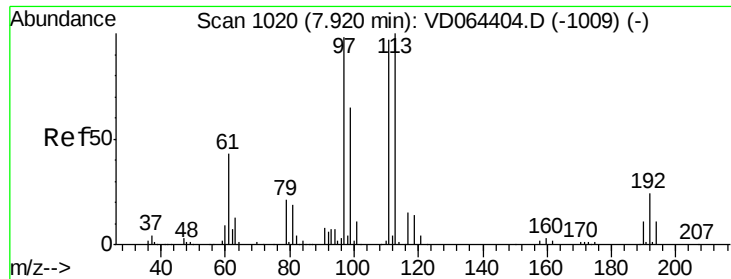
100000

0

8.80 8.90 9.00

Time-->





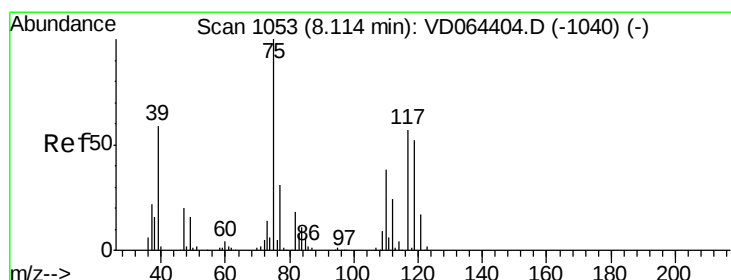
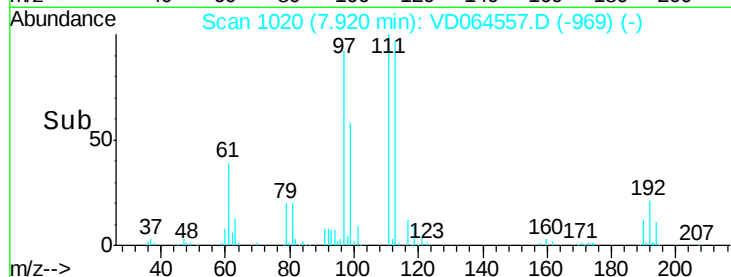
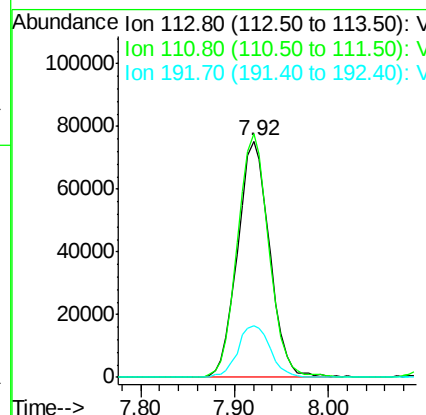
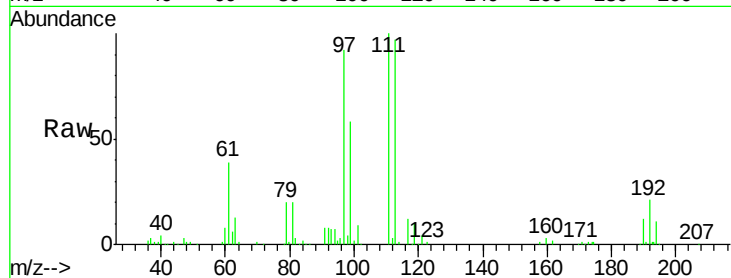
#35
 Dibromofluoromethane
 Concen: 55.191 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD064557.D
 Acq: 17 Dec 2019 20:54

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
113	100		
111	101.7	79.4	119.2
192	22.3	18.6	28.0

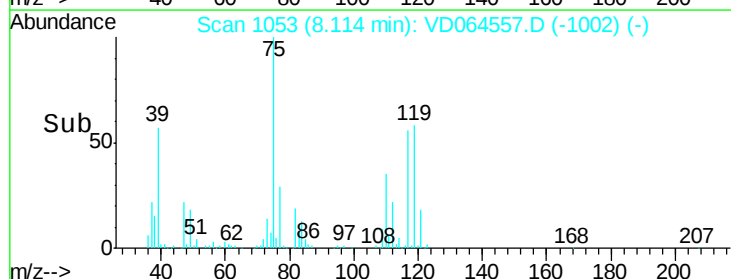
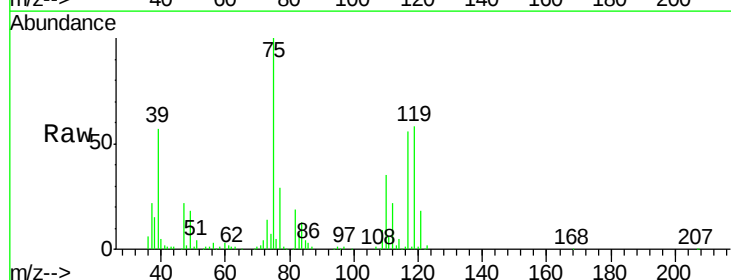
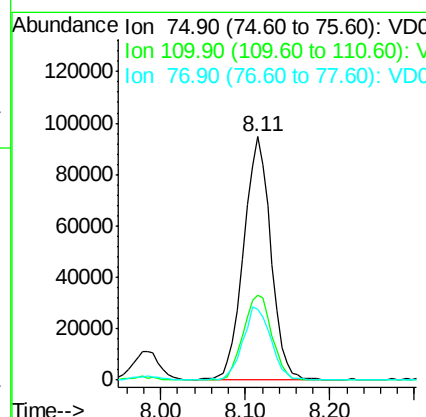
Manual Integrations
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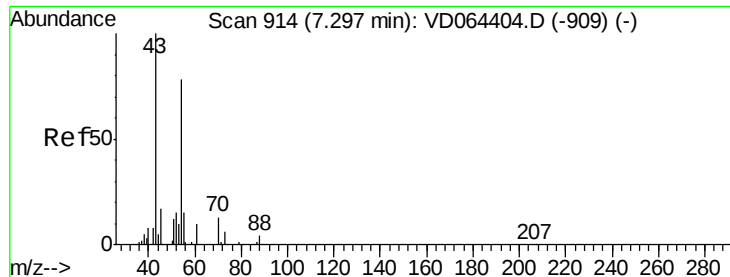
MMDadoda
 12/18/2019 1:01:05 PM



#36
 1,1-Dichloropropene
 Concen: 43.850 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD064557.D
 Acq: 17 Dec 2019 20:54

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.5	18.6	55.8
77	30.8	25.0	37.4





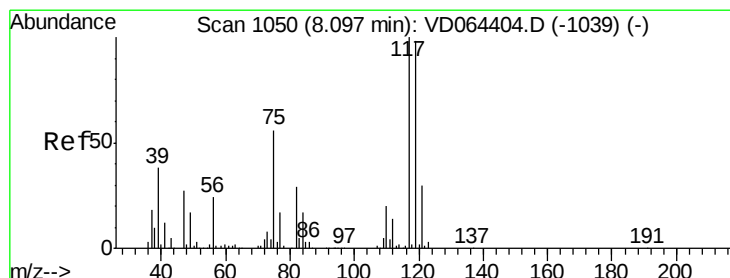
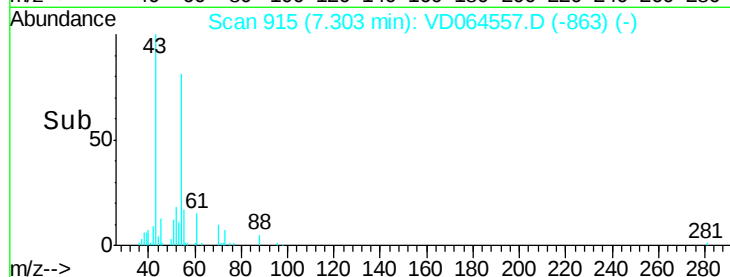
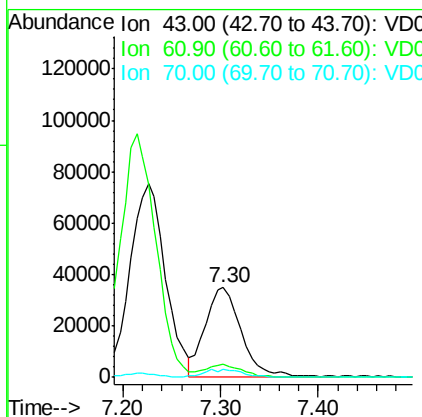
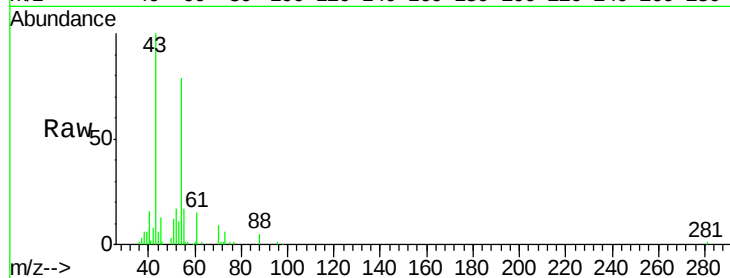
#37
Ethyl Acetate
Concen: 43.507 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.01 min
Lab File: VD064557.D
Acq: 17 Dec 2019 20:54

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.4	10.9	16.3
70	9.4	8.3	12.5

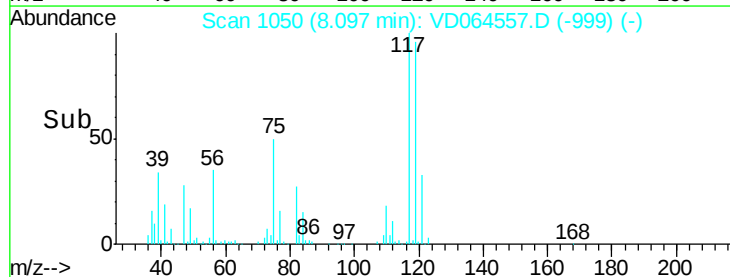
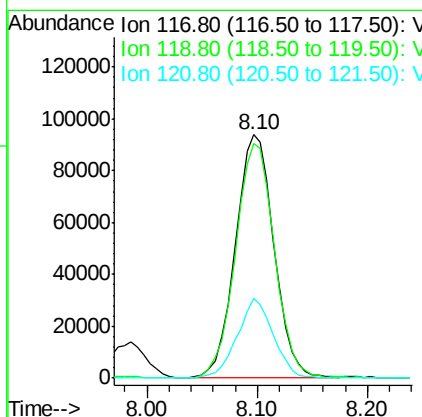
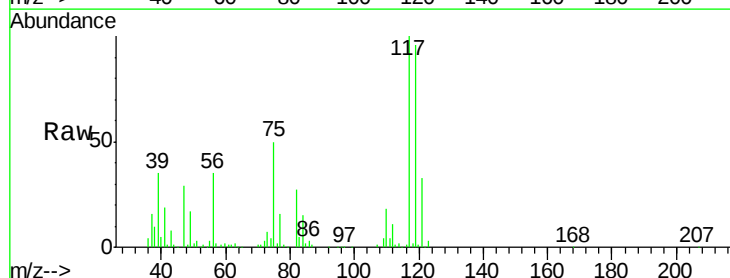
Manual Integrations
APPROVED

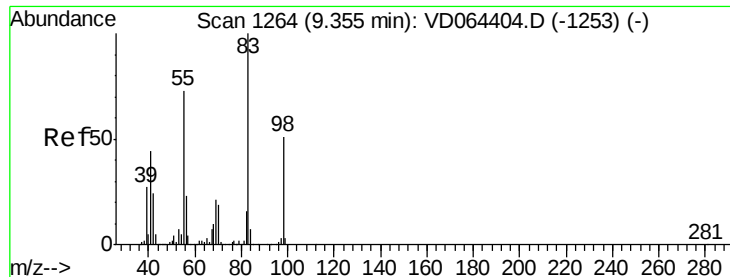
MMDadoda
12/18/2019 1:01:05 PM



#38
Carbon Tetrachloride
Concen: 45.154 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD064557.D
Acq: 17 Dec 2019 20:54

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.0	78.8	118.2
121	32.9	24.2	36.2





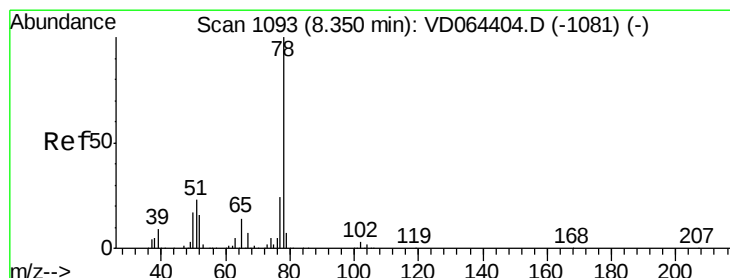
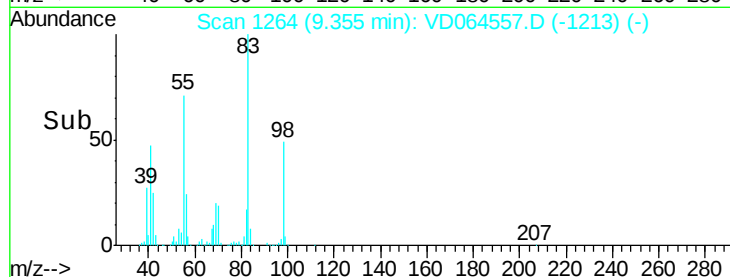
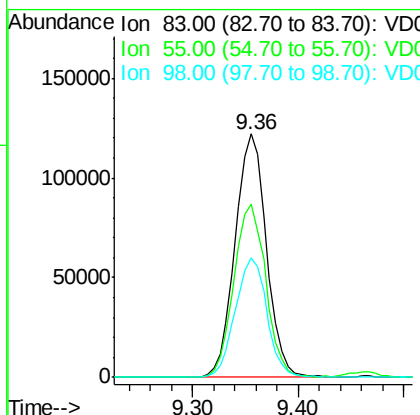
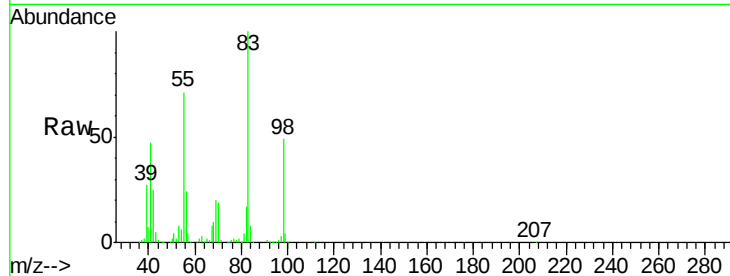
#39
Methylvlcyclohexane
Concen: 41.763 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD064557.D
Acq: 17 Dec 2019 20:54

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	70.9	58.6	87.8
98	49.3	40.9	61.3

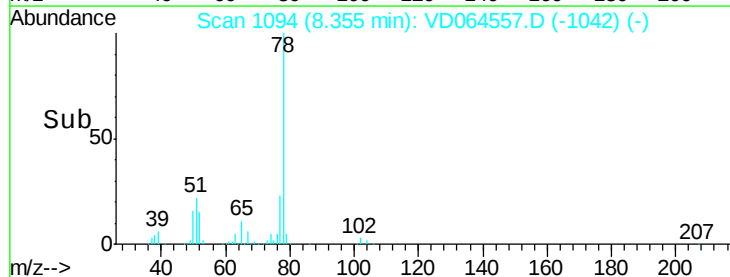
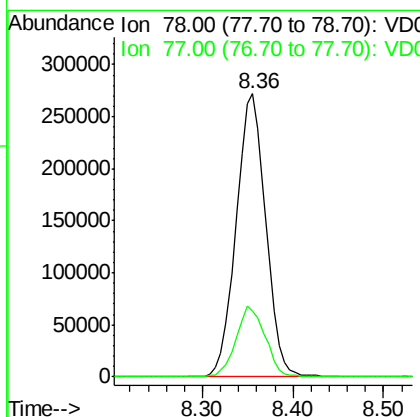
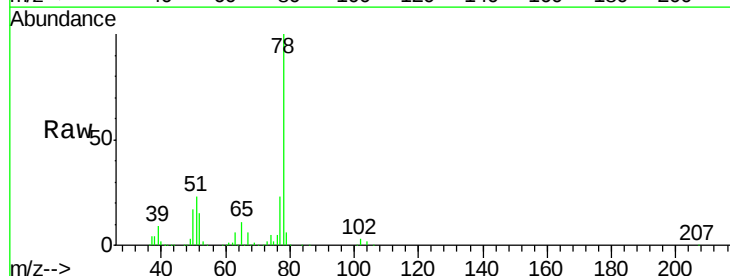
Manual Integrations
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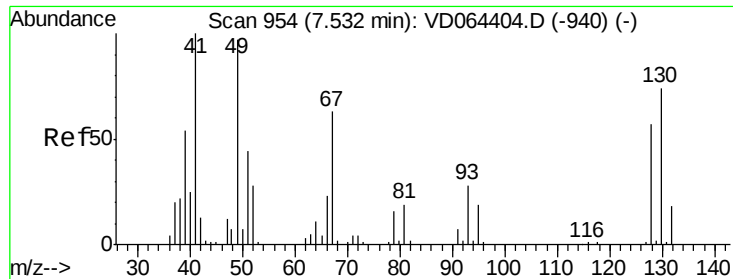
MMDadoda
12/18/2019 1:01:05 PM



#40
Benzene
Concen: 45.796 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.01 min
Lab File: VD064557.D
Acq: 17 Dec 2019 20:54

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.3	19.6	29.4





#41

Methacrylonitrile

Concen: 40.049 ug/l

RT: 7.53 min Scan# 954

Delta R.T. 0.00 min

Lab File: VD064557.D

Acq: 17 Dec 2019 20:54

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 41 Resp: 47209

Ion Ratio Lower Upper

41 100

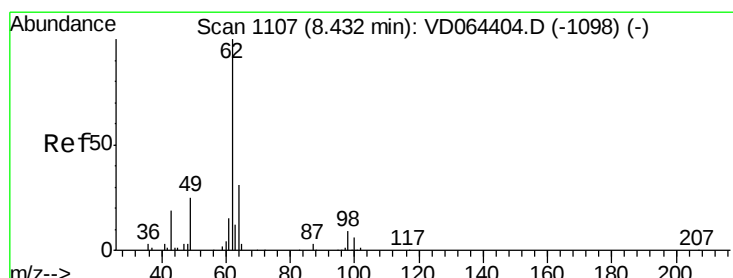
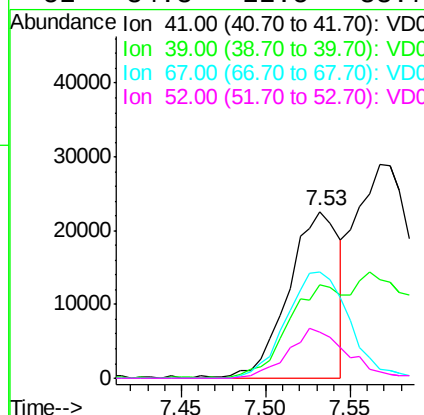
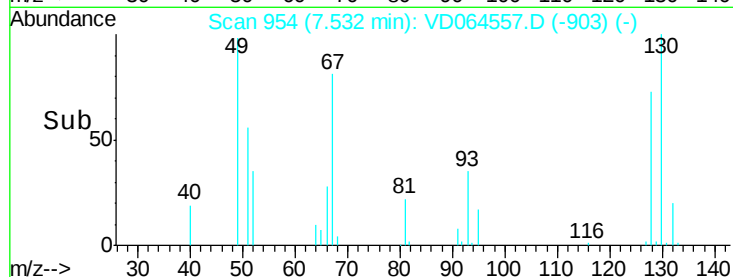
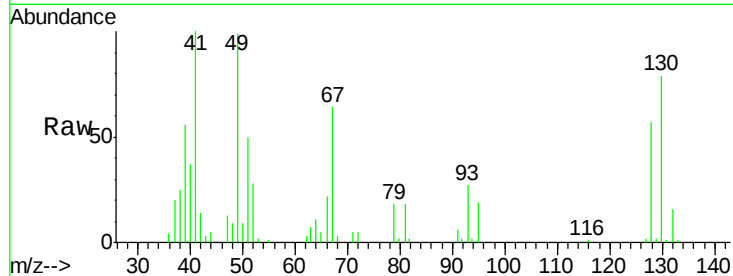
39 65.9 44.6 67.0

67 79.1 50.9 76.3#

52 34.3 22.5 33.7#

Manual Integrations
APPROVED

MMDadoda
12/18/2019 1:01:05 PM



#42

1,2-Dichloroethane

Concen: 45.773 ug/l

RT: 8.43 min Scan# 1106

Delta R.T. -0.01 min

Lab File: VD064557.D

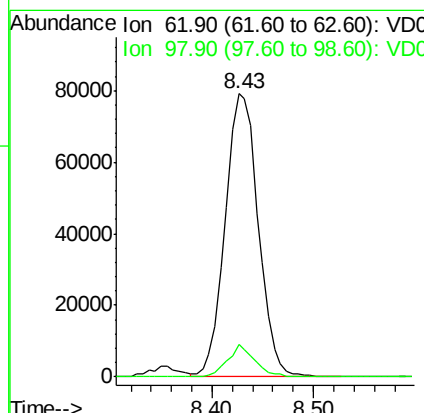
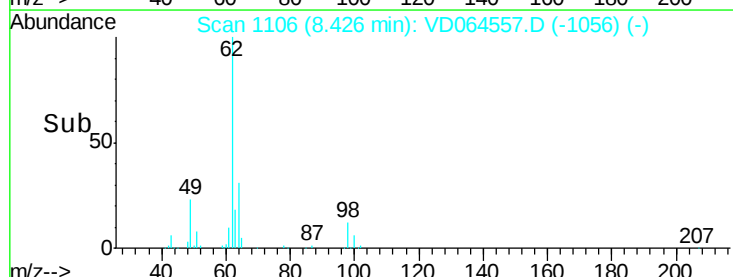
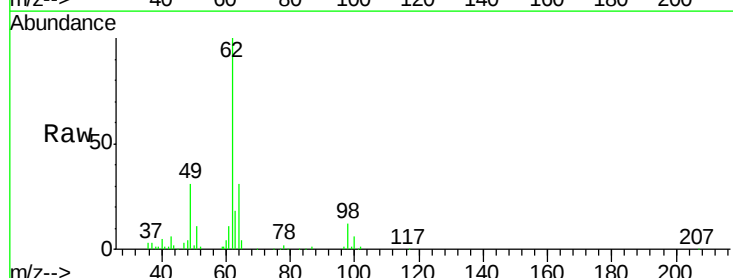
Acq: 17 Dec 2019 20:54

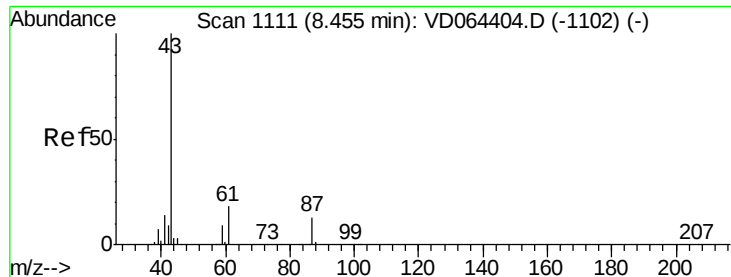
Tgt Ion: 62 Resp: 179597

Ion Ratio Lower Upper

62 100

98 9.5 0.0 20.6





#43

Isopropyl Acetate

Concen: 43.174 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VD064557.D

Acq: 17 Dec 2019 20:54

Instrument :

MSVOA_D

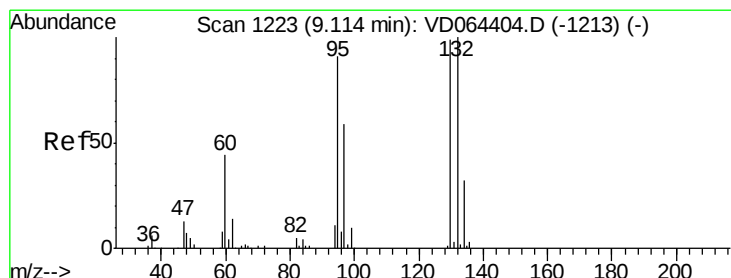
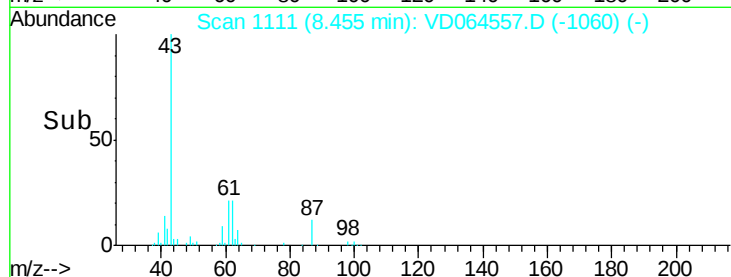
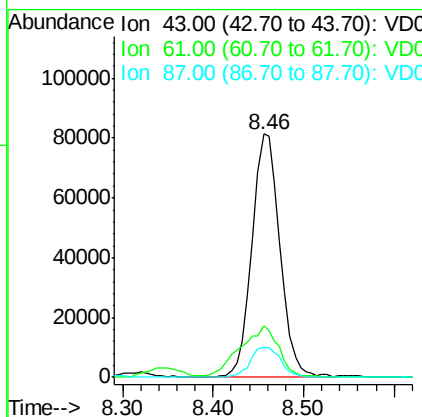
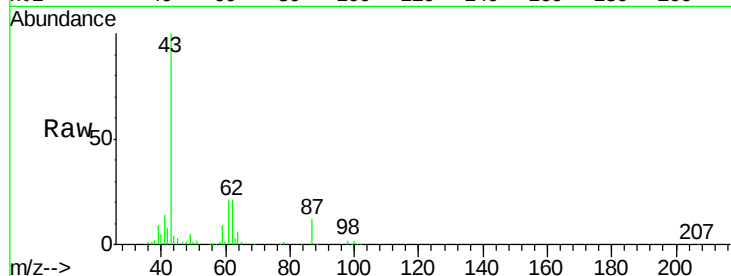
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	174484
Ion	Ratio	Lower	Upper
43	100		
61	29.3	24.0	36.0
87	13.5	10.6	15.8

Manual Integrations
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#44

Trichloroethene

Concen: 43.661 ug/l

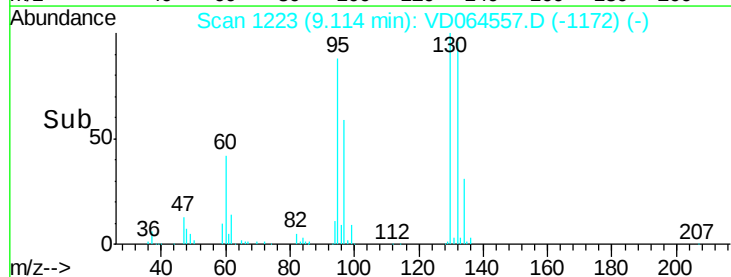
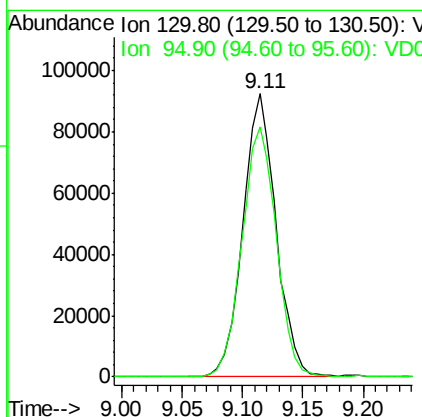
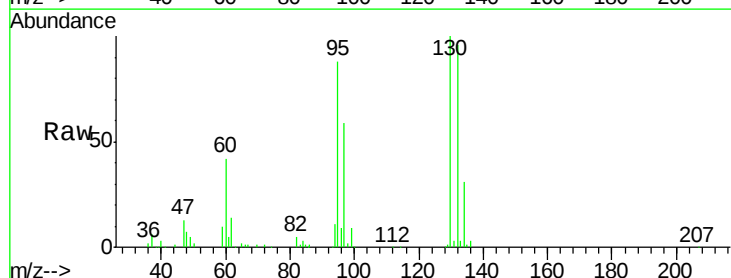
RT: 9.11 min Scan# 1223

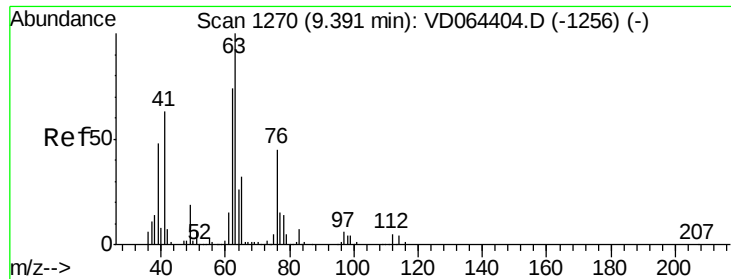
Delta R.T. 0.00 min

Lab File: VD064557.D

Acq: 17 Dec 2019 20:54

Tgt Ion:	130	Resp:	176949
Ion	Ratio	Lower	Upper
130	100		
95	88.4	0.0	184.6





#45

1,2-Dichloropropane

Concen: 46.746 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VD064557.D

Acq: 17 Dec 2019 20:54

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 150414

Ion Ratio Lower Upper

63 100

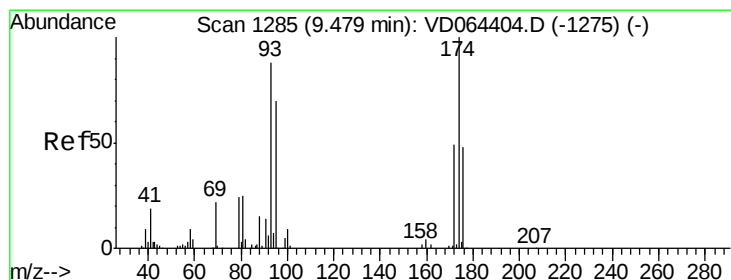
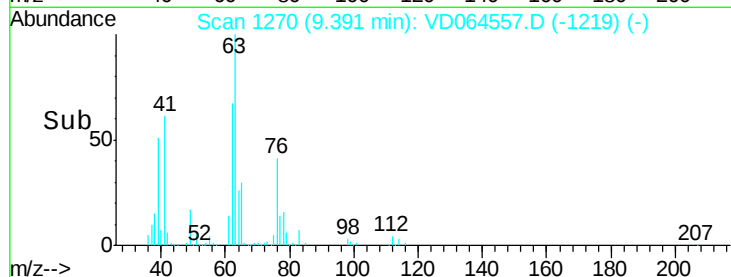
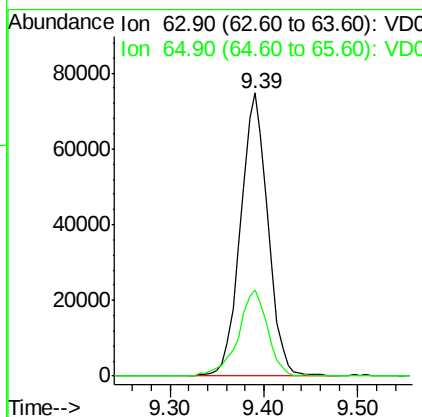
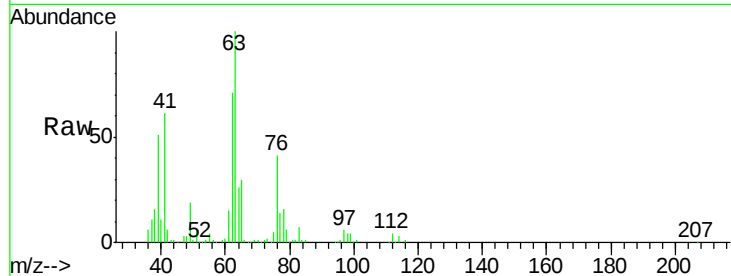
65 30.3 25.4 38.0

Manual Integrations

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#46

Dibromomethane

Concen: 45.817 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.00 min

Lab File: VD064557.D

Acq: 17 Dec 2019 20:54

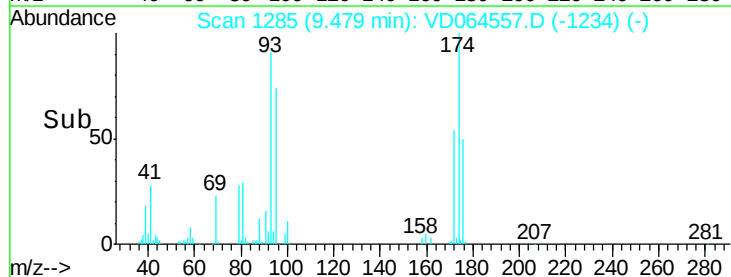
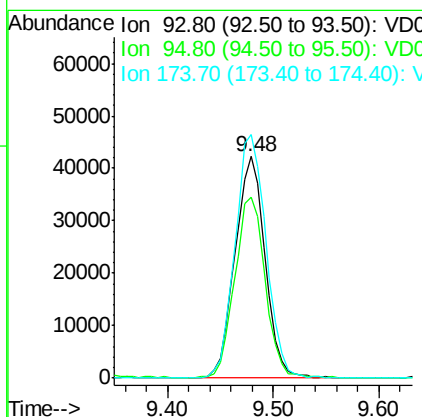
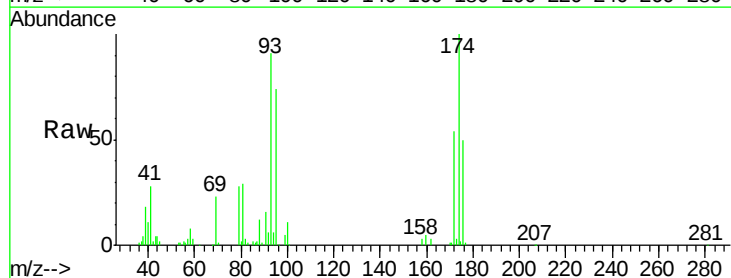
Tgt Ion: 93 Resp: 83206

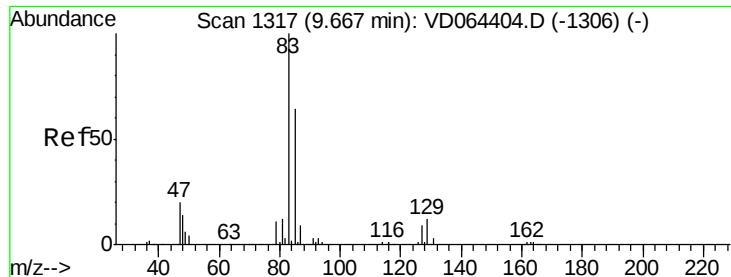
Ion Ratio Lower Upper

93 100

95 82.8 66.7 100.1

174 113.3 92.3 138.5





#47

Bromodichloromethane

Concen: 47.848 ug/l

RT: 9.66 min Scan# 1316

Delta R.T. -0.01 min

Lab File: VD064557.D

Acq: 17 Dec 2019 20:54

Instrument :

MSVOA_D

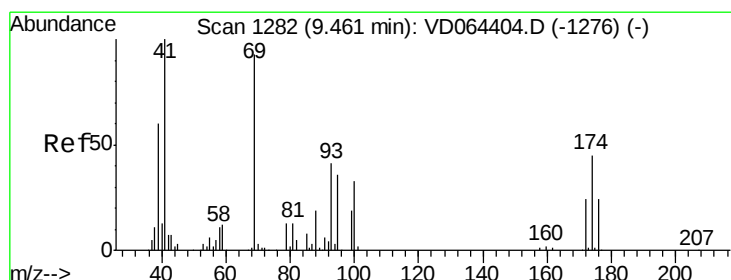
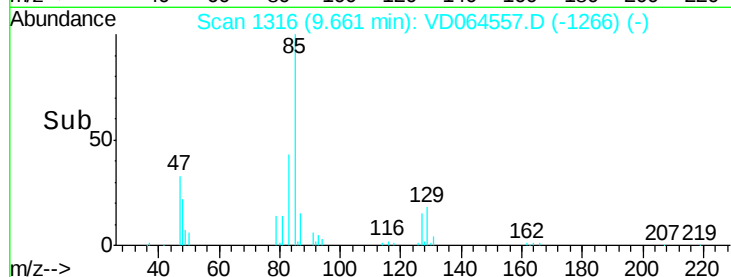
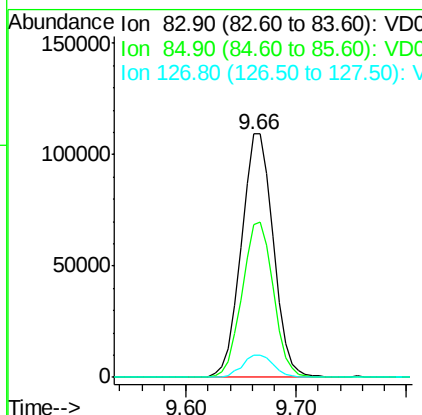
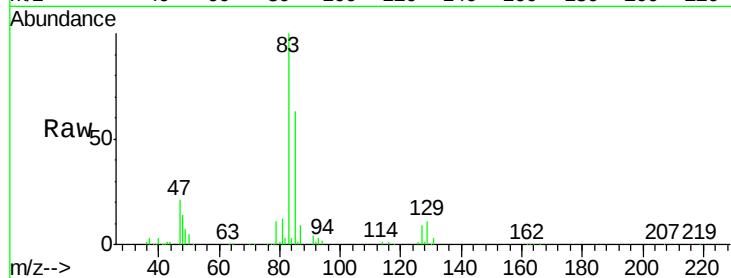
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	223274
Ion	Ratio	Lower	Upper
83	100		
85	62.5	51.1	76.7
127	9.2	7.4	11.0

Manual Integrations
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#48

Methyl methacrylate

Concen: 44.090 ug/l

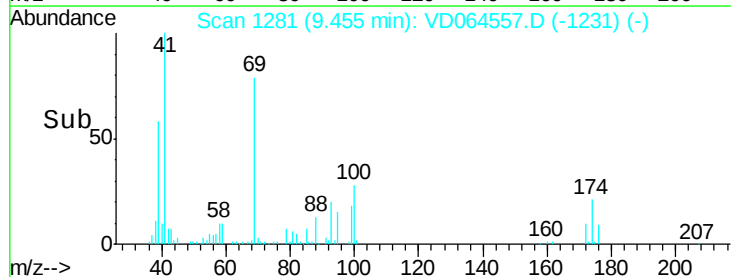
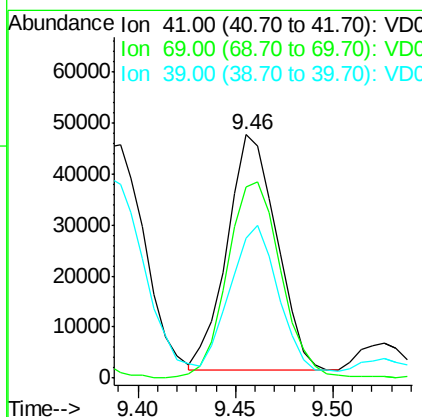
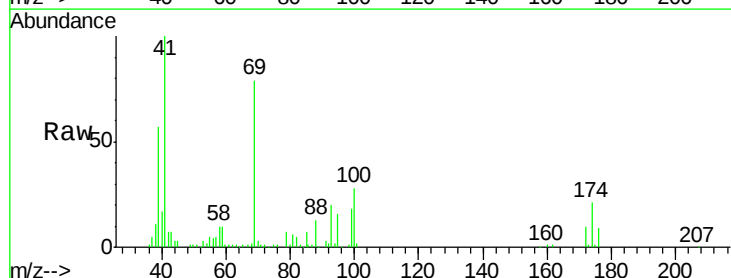
RT: 9.46 min Scan# 1281

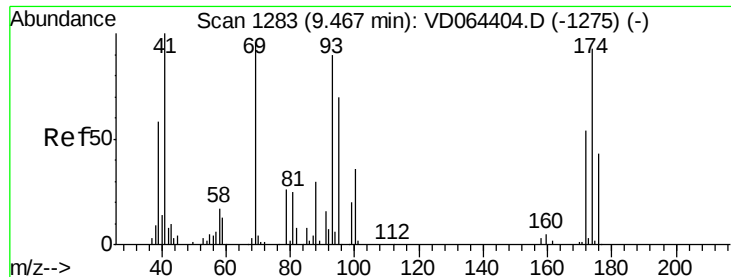
Delta R.T. -0.01 min

Lab File: VD064557.D

Acq: 17 Dec 2019 20:54

Tgt Ion:	41	Resp:	81537
Ion	Ratio	Lower	Upper
41	100		
69	90.2	72.0	108.0
39	66.2	55.2	82.8





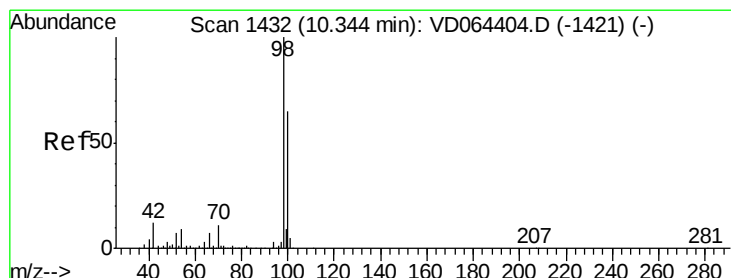
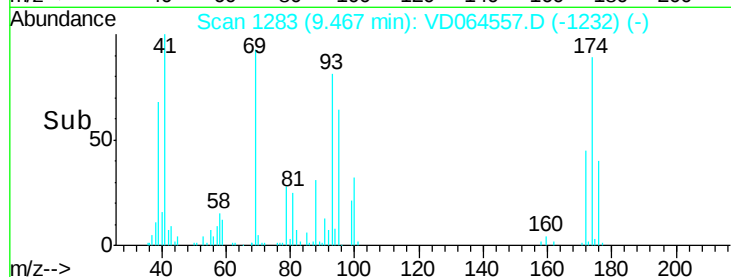
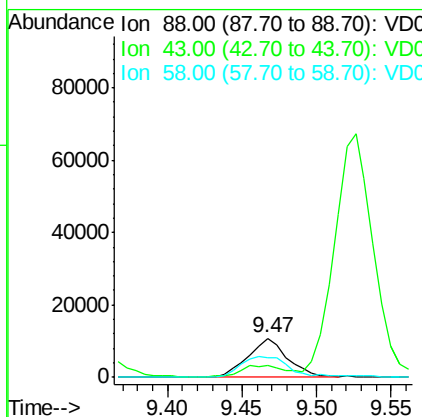
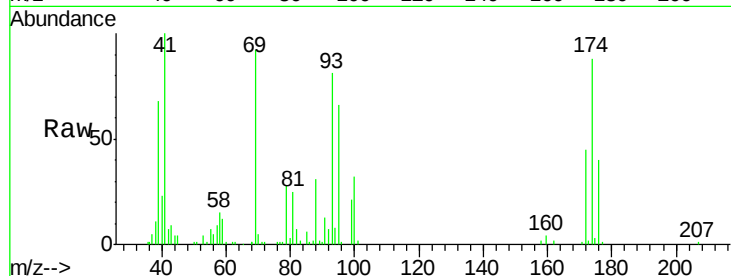
#49
1,4-Dioxane
Concen: 880.062 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VD064557.D
Acq: 17 Dec 2019 20:54

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	88	Resp	19736
Ion	Ratio	Lower	Upper
88	100		
43	34.7	26.7	40.1
58	65.6	52.3	78.5

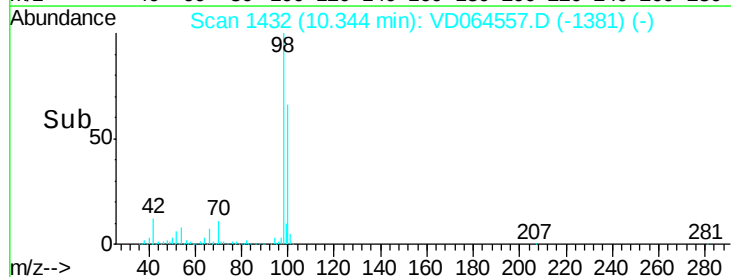
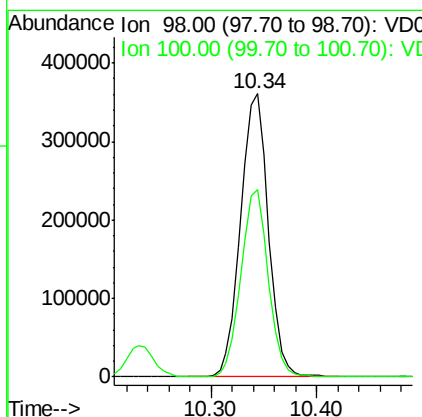
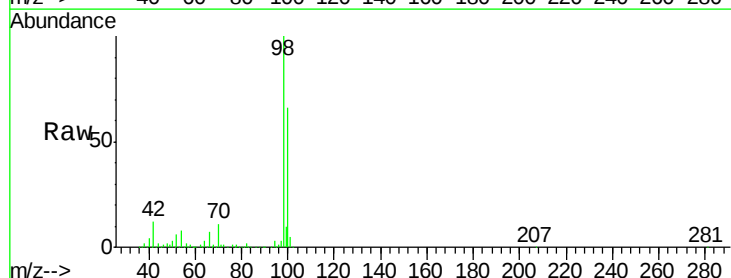
Manual Integrations
APPROVED

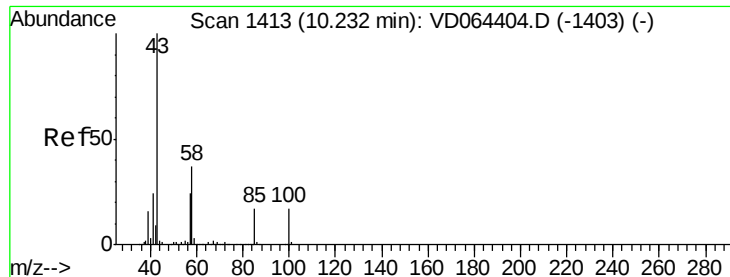
MMDadoda
12/18/2019 1:01:05 PM



#50
Toluene-d8
Concen: 54.144 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD064557.D
Acq: 17 Dec 2019 20:54

Tgt Ion	98	Resp	658114
Ion	Ratio	Lower	Upper
98	100		
100	65.1	52.6	79.0





#51

4-Methyl-2-Pentanone

Concen: 215.423 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. 0.00 min

Lab File: VD064557.D

Acq: 17 Dec 2019 20:54

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 430776

Ion Ratio Lower Upper

43 100

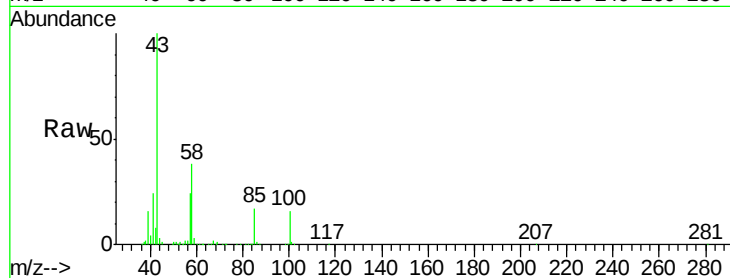
58 38.6 30.6 46.0

Manual Integrations

APPROVED

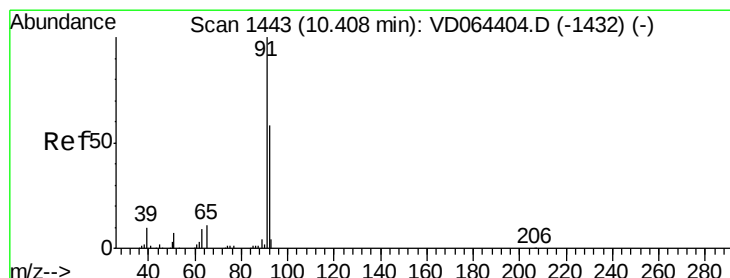
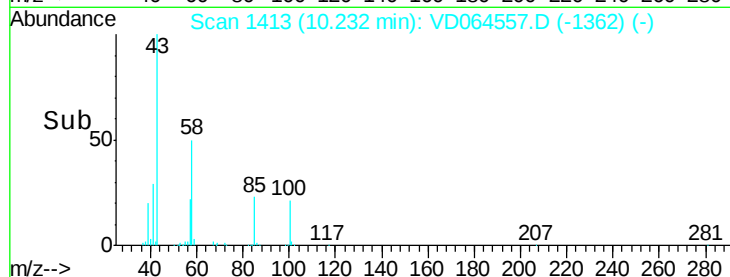
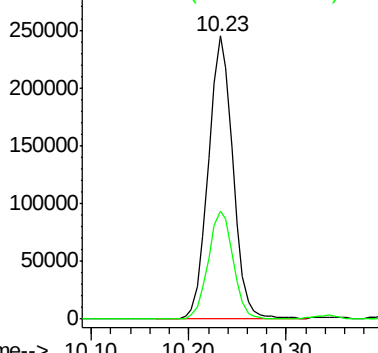
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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#52

Toluene

Concen: 45.388 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. -0.01 min

Lab File: VD064557.D

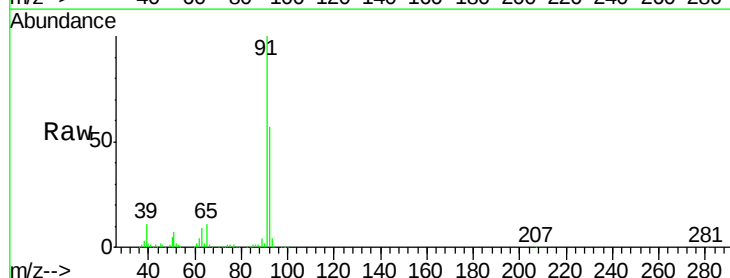
Acq: 17 Dec 2019 20:54

Tgt Ion: 92 Resp: 397976

Ion Ratio Lower Upper

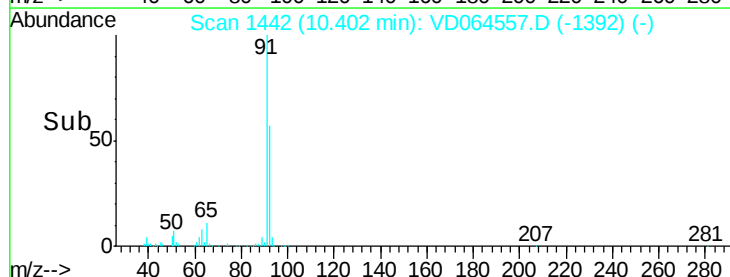
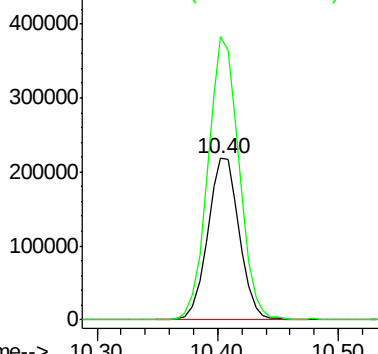
92 100

91 172.9 137.8 206.6



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





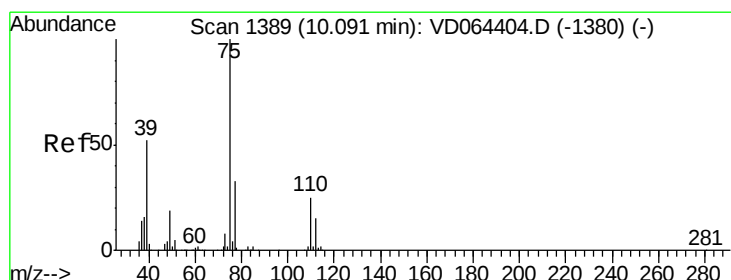
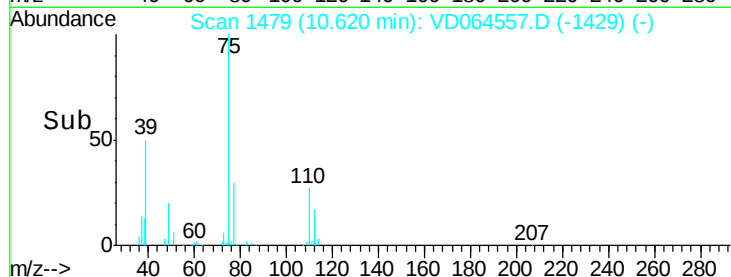
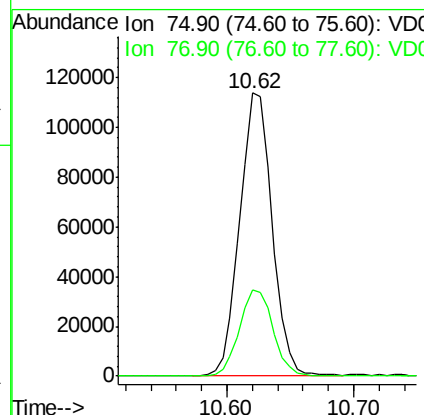
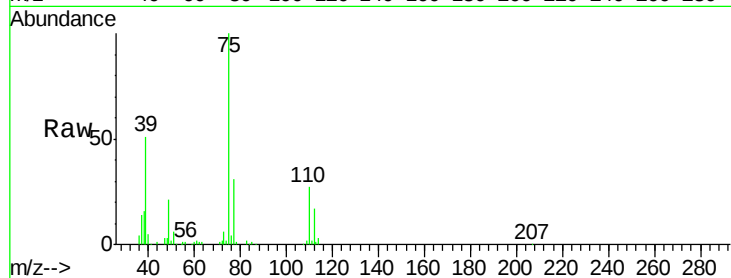
#53
 t-1,3-Dichloropropene
 Concen: 45.432 ug/l
 RT: 10.62 min Scan# 1479
 Delta R.T. -0.01 min
 Lab File: VD064557.D
 Acq: 17 Dec 2019 20:54

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 75 Resp: 202043
 Ion Ratio Lower Upper
 75 100
 77 30.6 25.0 37.4

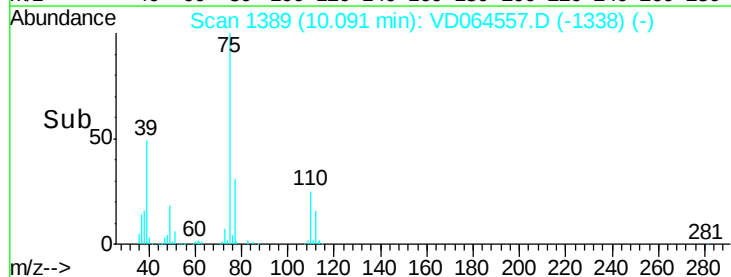
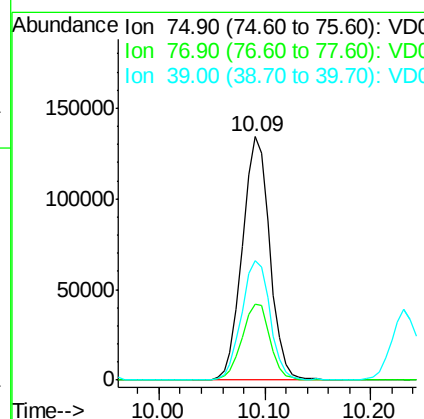
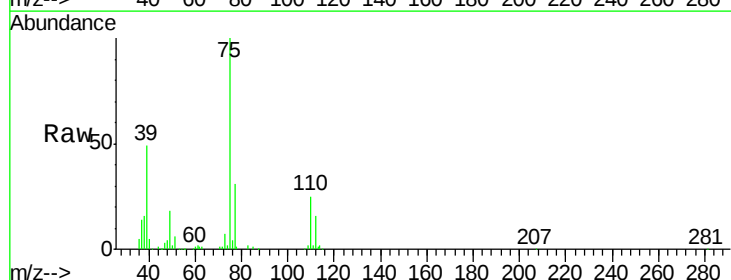
Manual Integrations
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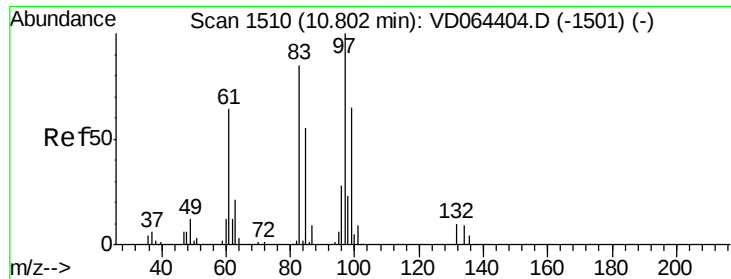
MMDadoda
 12/18/2019 1:01:05 PM



#54
 cis-1,3-Dichloropropene
 Concen: 45.565 ug/l
 RT: 10.09 min Scan# 1389
 Delta R.T. 0.00 min
 Lab File: VD064557.D
 Acq: 17 Dec 2019 20:54

Tgt Ion: 75 Resp: 240727
 Ion Ratio Lower Upper
 75 100
 77 31.1 26.1 39.1
 39 48.9 41.5 62.3





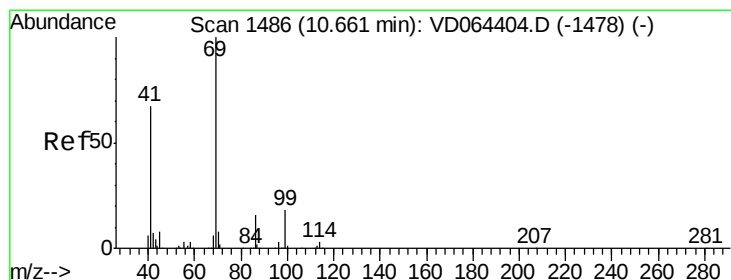
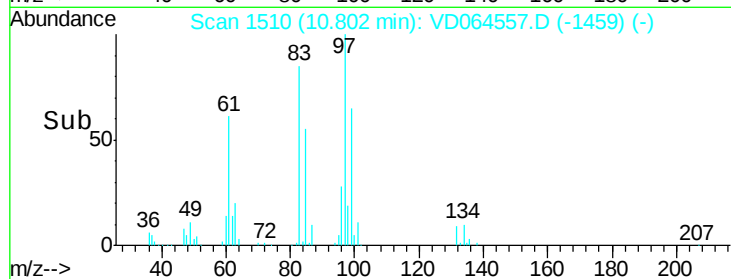
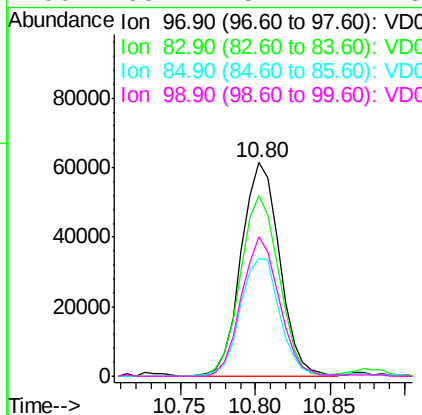
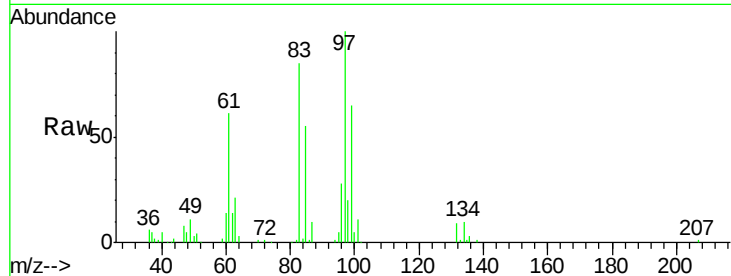
#55
 1,1,2-Trichloroethane
 Concen: 44.096 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VD064557.D
 Acq: 17 Dec 2019 20:54

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	109654
Ion	Ratio	Lower	Upper
97	100		
83	84.6	67.8	101.8
85	54.9	43.7	65.5
99	65.2	51.7	77.5

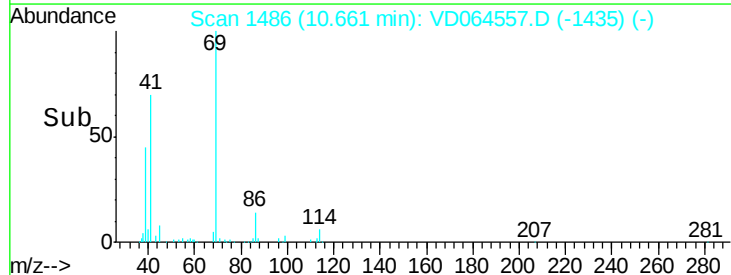
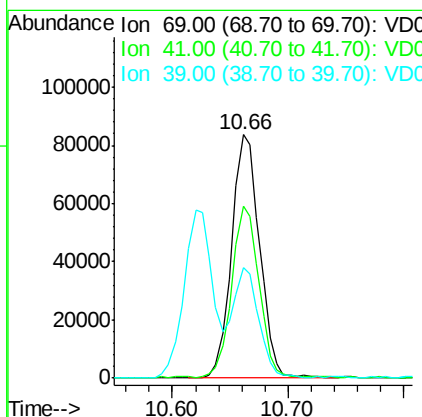
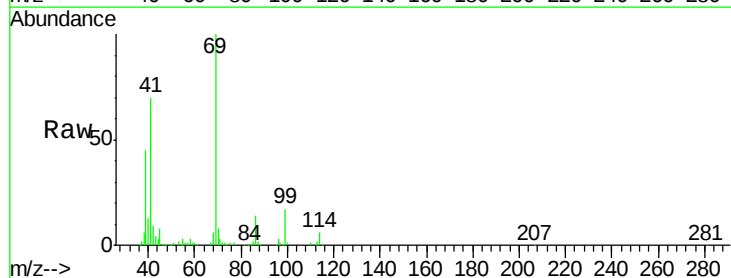
Manual Integrations
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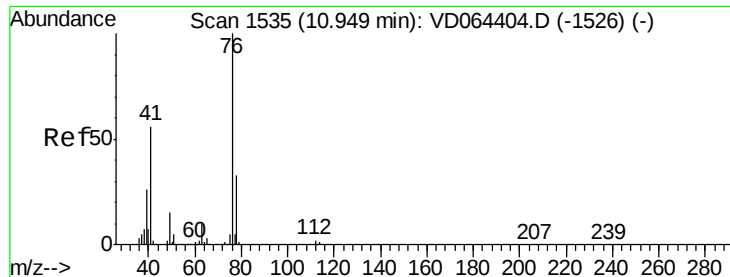
MMDadoda
 12/18/2019 1:01:05 PM



#56
 Ethyl methacrylate
 Concen: 44.203 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. 0.00 min
 Lab File: VD064557.D
 Acq: 17 Dec 2019 20:54

Tgt Ion:	69	Resp:	140195
Ion	Ratio	Lower	Upper
69	100		
41	68.8	55.0	82.4
39	42.1	33.0	49.6





#57

1,3-Dichloropropane

Concen: 45.938 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VD064557.D

Acq: 17 Dec 2019 20:54

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 194459

Ion Ratio Lower Upper

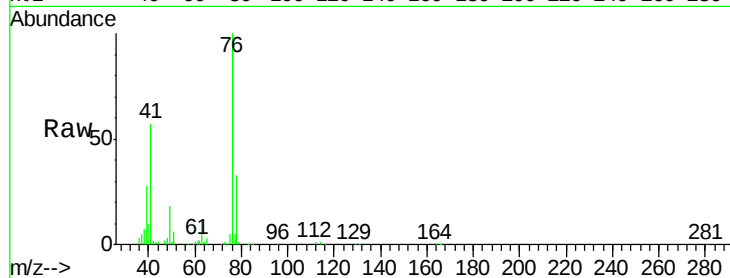
76 100

78 32.9 26.0 39.0

Manual Integrations
APPROVED

MMDadoda

12/18/2019 1:01:05 PM



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

10.95

120000

100000

80000

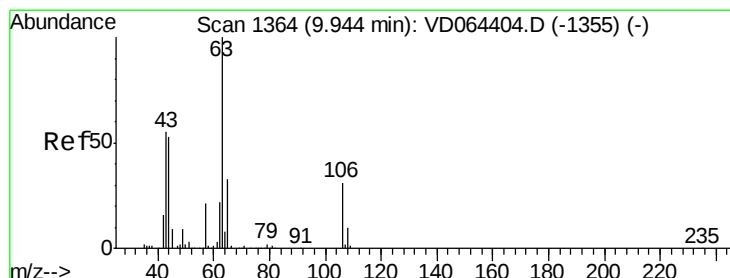
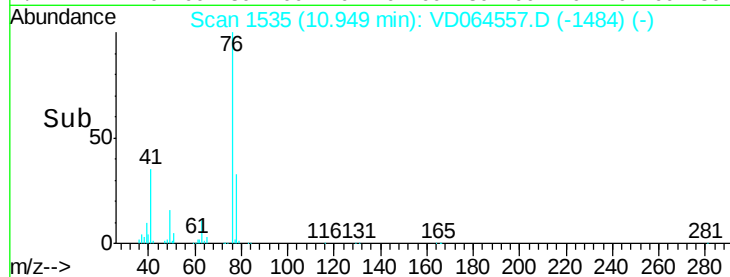
60000

40000

20000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 219.826 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. 0.00 min

Lab File: VD064557.D

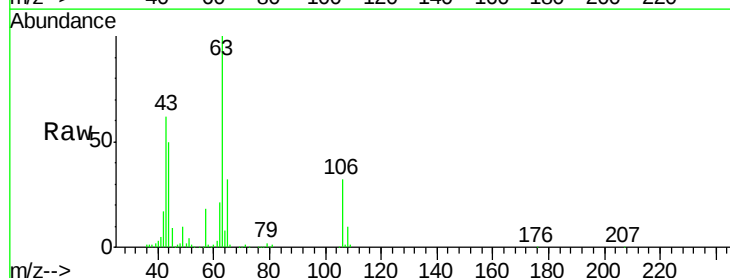
Acq: 17 Dec 2019 20:54

Tgt Ion: 63 Resp: 277935

Ion Ratio Lower Upper

63 100

106 29.2 24.2 36.4



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): V

9.94

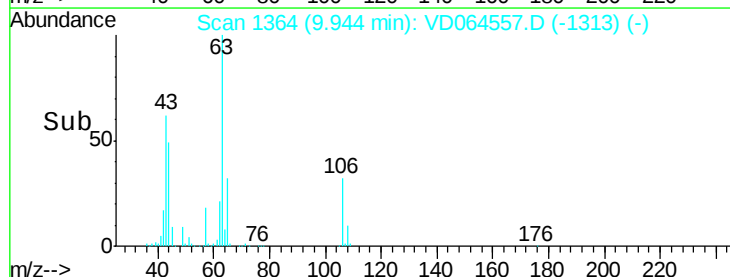
150000

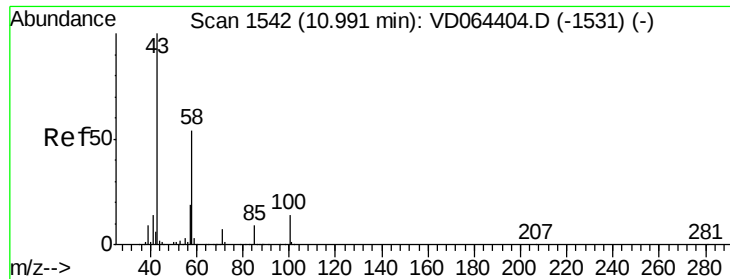
100000

50000

0

Time-->





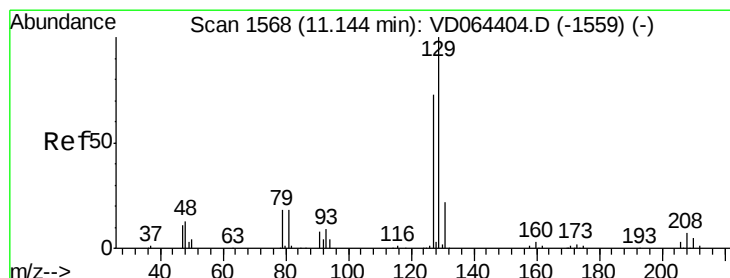
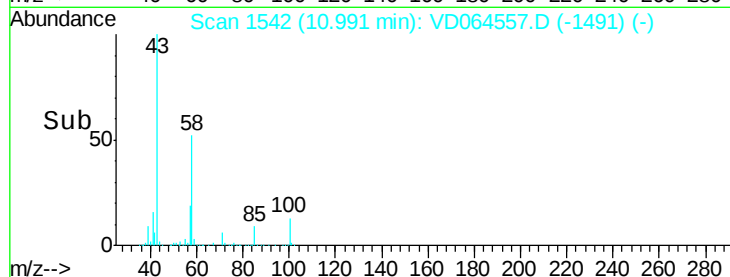
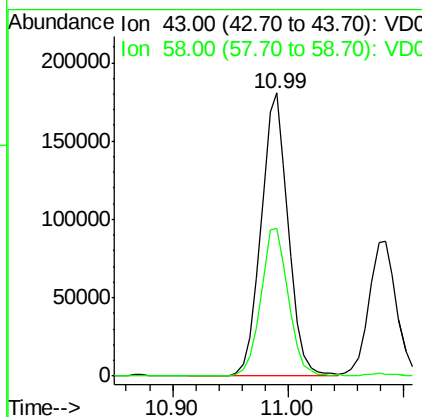
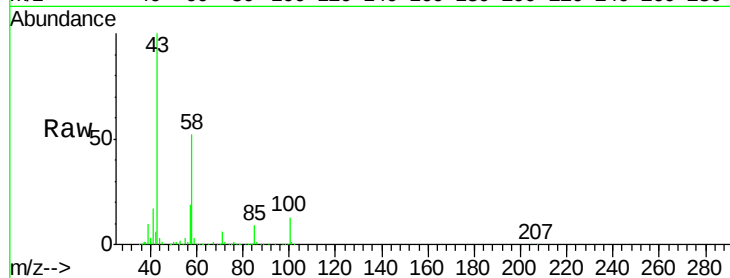
#59
2-Hexanone
Concen: 213.104 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD064557.D
Acq: 17 Dec 2019 20:54

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 295694
Ion Ratio Lower Upper
43 100
58 53.1 26.3 78.8

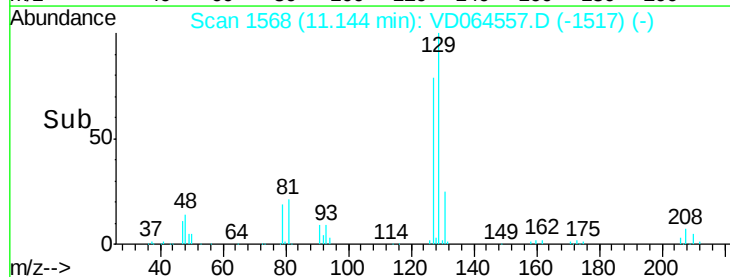
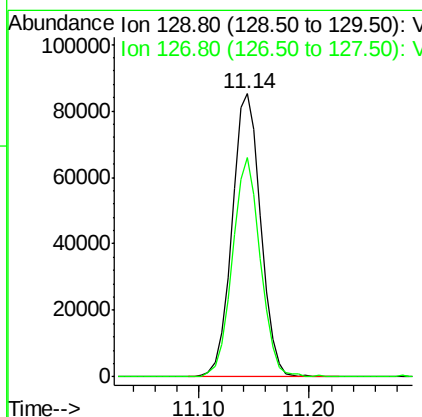
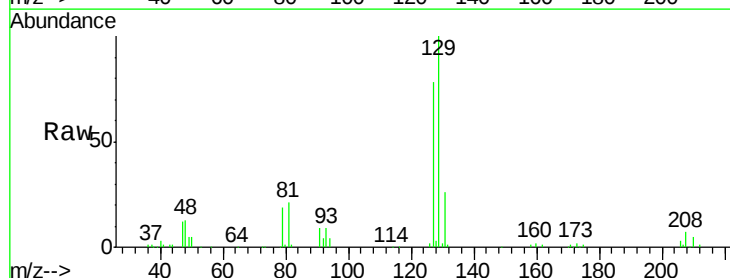
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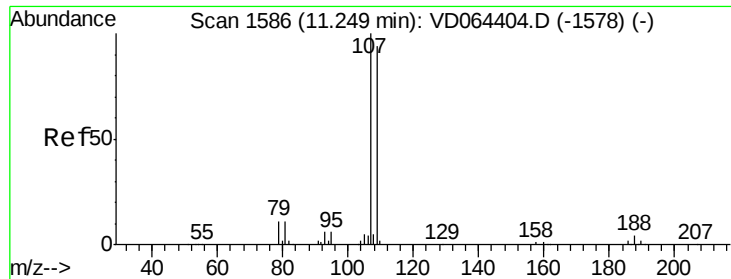
MMDadoda
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#60
Dibromochloromethane
Concen: 45.930 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD064557.D
Acq: 17 Dec 2019 20:54

Tgt Ion: 129 Resp: 154857
Ion Ratio Lower Upper
129 100
127 75.7 38.1 114.3





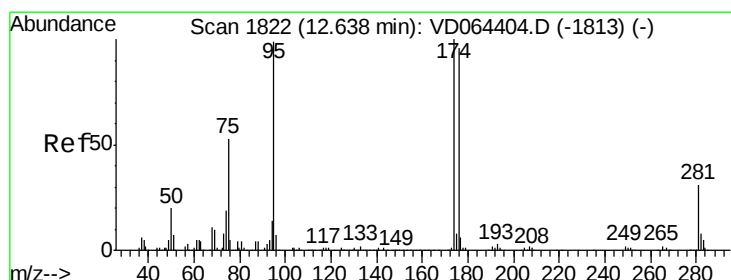
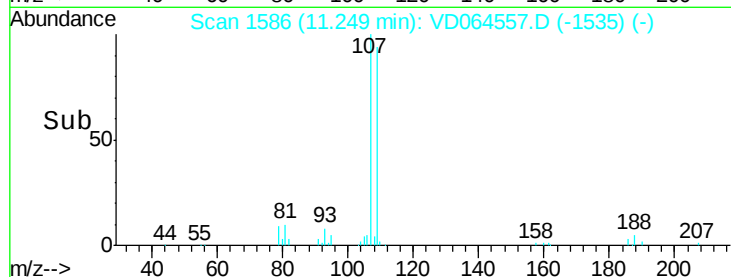
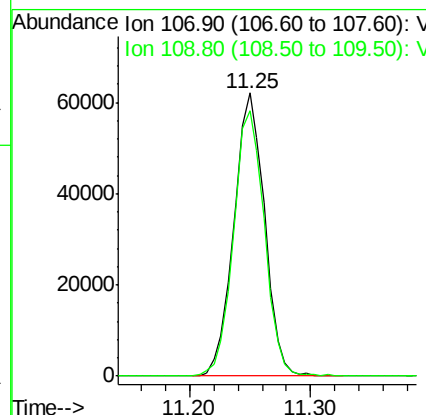
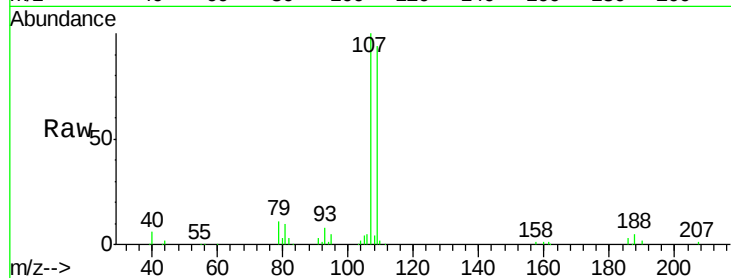
#61
 1,2-Dibromoethane
 Concen: 44.270 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD064557.D
 Acq: 17 Dec 2019 20:54

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.5	76.2	114.2

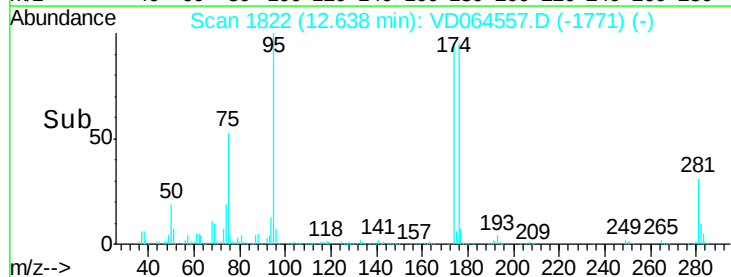
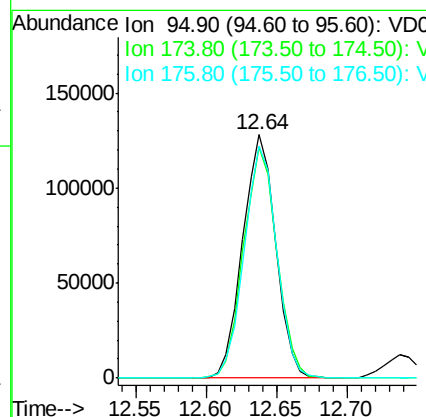
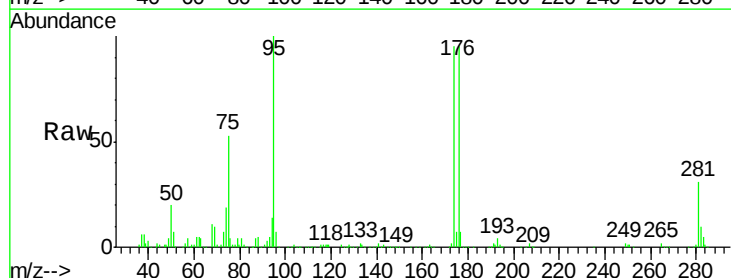
Manual Integrations
 APPROVED

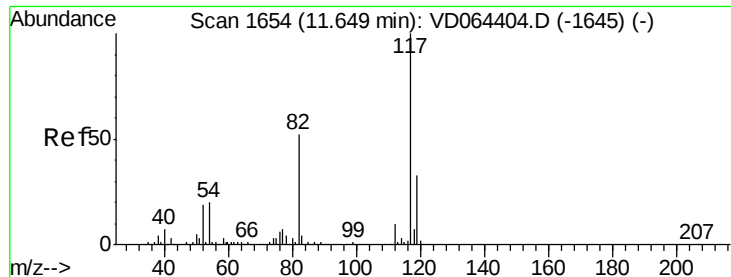
MMDadoda
 12/18/2019 1:01:05 PM



#62
 4-Bromofluorobenzene
 Concen: 53.664 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD064557.D
 Acq: 17 Dec 2019 20:54

Tgt Ion	Ratio	Lower	Upper
95	100		
174	95.9	0.0	197.2
176	94.2	0.0	189.6





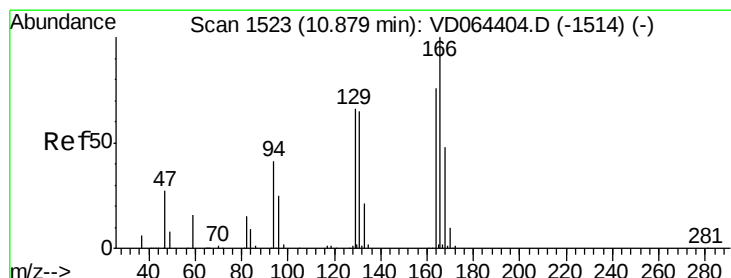
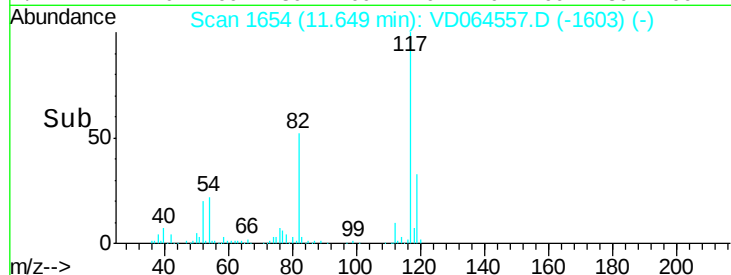
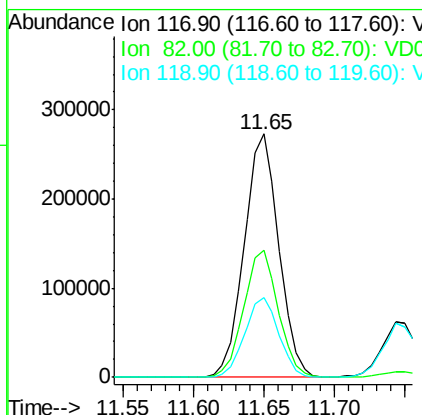
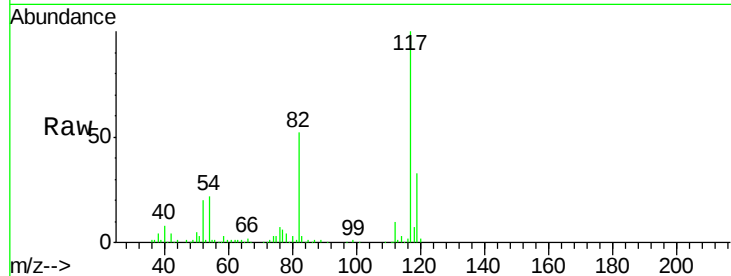
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064557.D
Acq: 17 Dec 2019 20:54

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
117	100	468933		
82	52.4		41.4	62.2
119	32.6		26.2	39.2

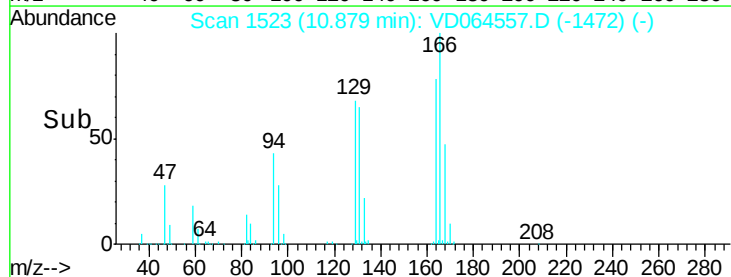
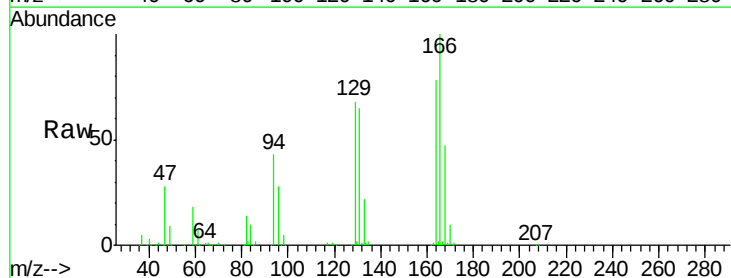
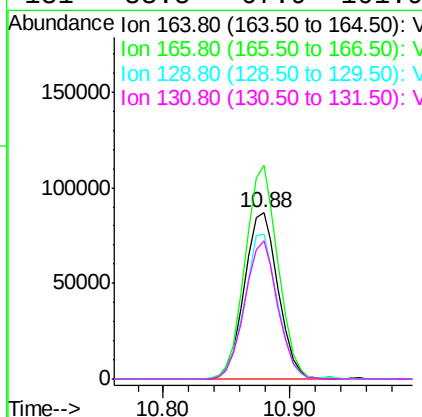
Manual Integrations
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#64
Tetrachloroethene
Concen: 44.909 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD064557.D
Acq: 17 Dec 2019 20:54

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	160593		
166	128.4		104.8	157.2
129	87.4		68.7	103.1
131	83.5		67.9	101.9





#65

Chlorobenzene

Concen: 44.138 ug/l

RT: 11.67 min Scan# 1658

Delta R.T. 0.00 min

Lab File: VD064557.D

Acq: 17 Dec 2019 20:54

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:112 Resp: 431687

Ion Ratio Lower Upper

112 100

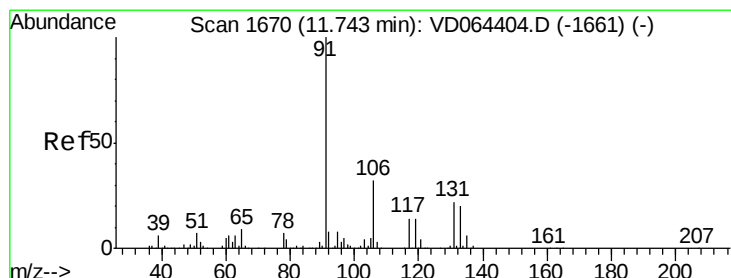
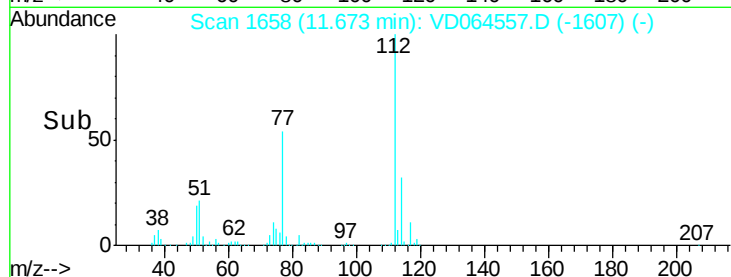
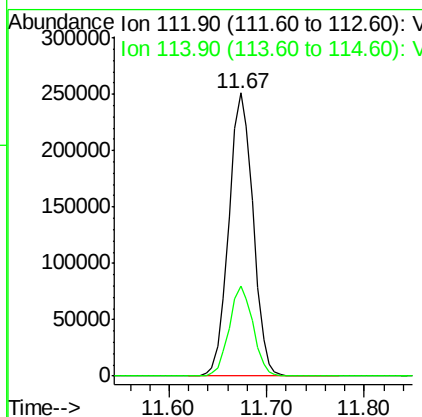
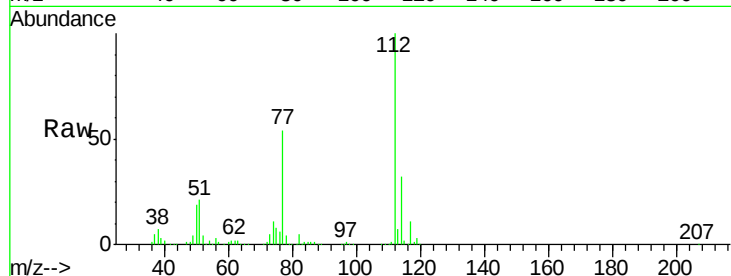
114 32.0 26.5 39.7

Manual Integrations

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#66

1,1,1,2-Tetrachloroethane

Concen: 45.760 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.01 min

Lab File: VD064557.D

Acq: 17 Dec 2019 20:54

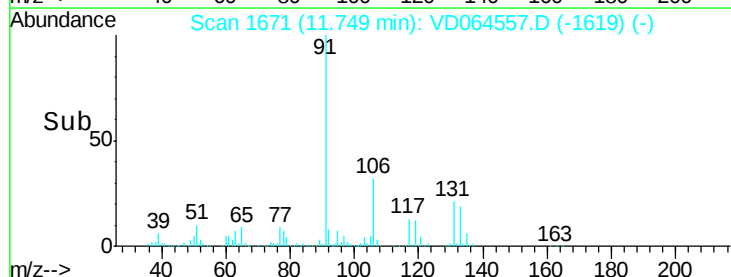
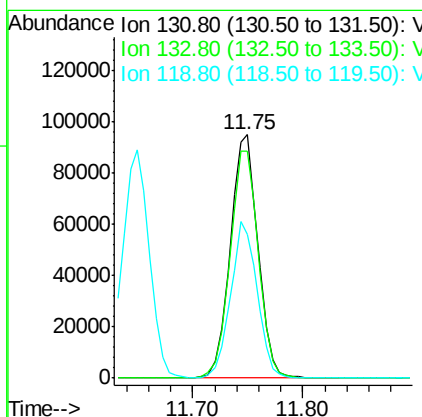
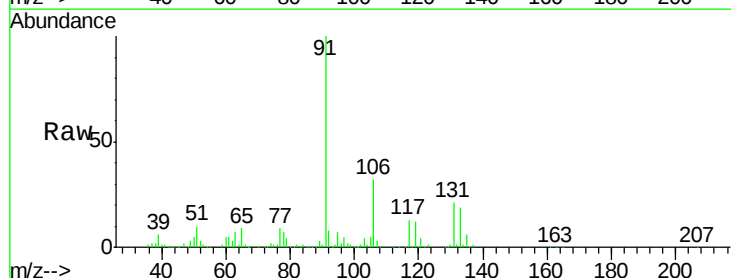
Tgt Ion:131 Resp: 165677

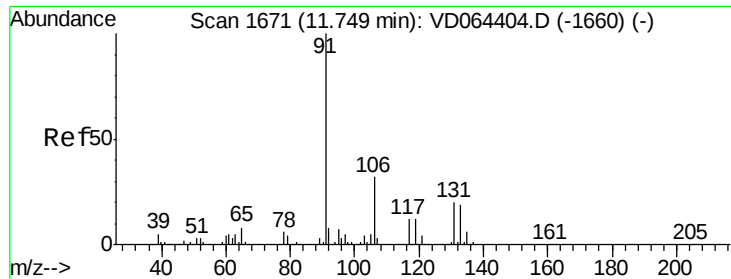
Ion Ratio Lower Upper

131 100

133 95.9 48.3 144.9

119 62.4 31.9 95.9





#67

Ethyl Benzene

Concen: 43.225 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD064557.D

Acq: 17 Dec 2019 20:54

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 752182

Ion Ratio Lower Upper

91 100

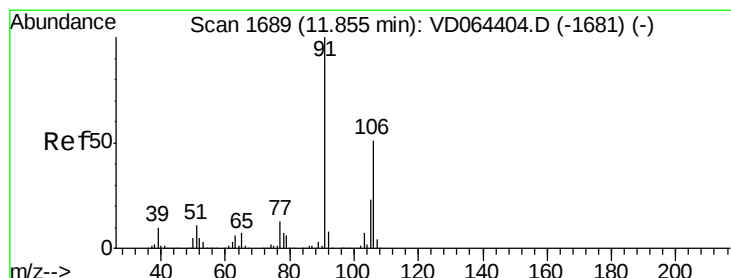
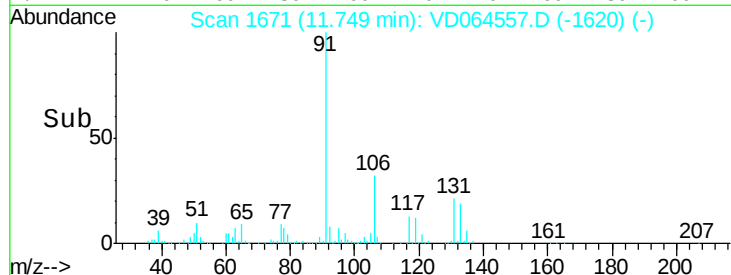
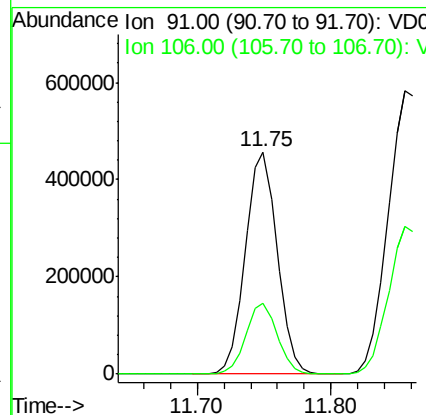
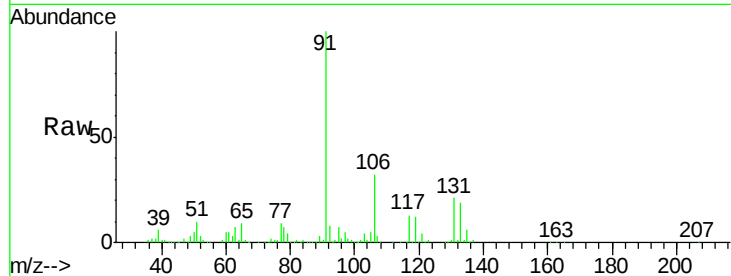
106 32.1 25.8 38.8

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#68

m/p-Xylenes

Concen: 87.384 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. 0.00 min

Lab File: VD064557.D

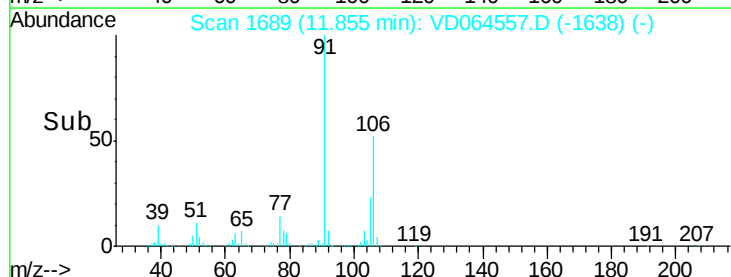
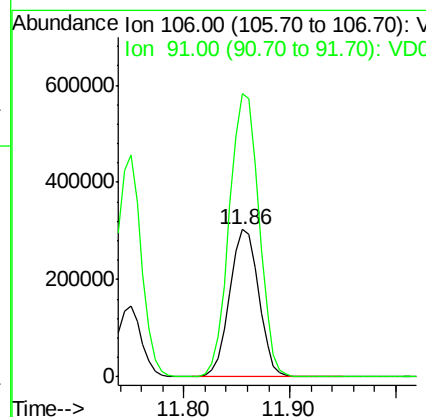
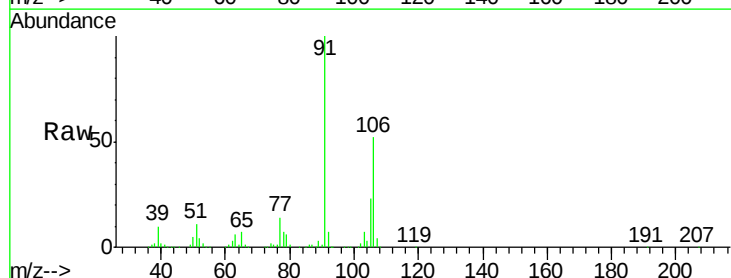
Acq: 17 Dec 2019 20:54

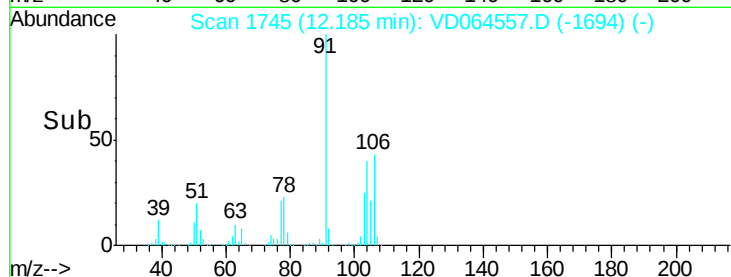
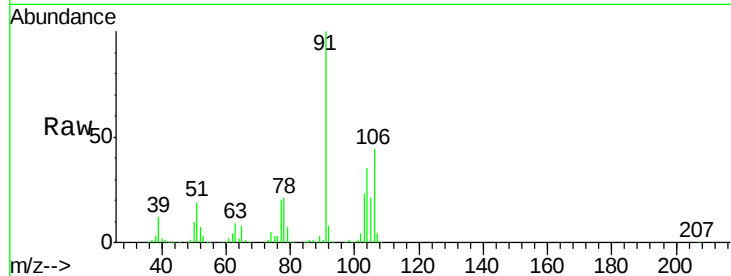
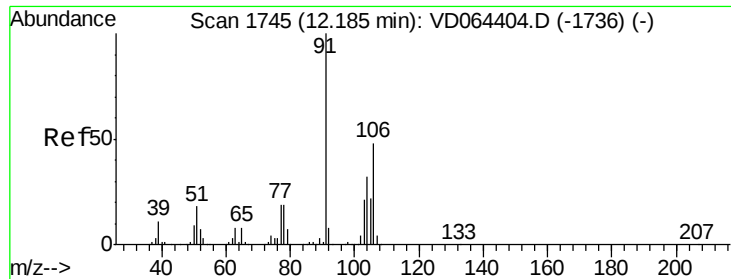
Tgt Ion: 106 Resp: 579795

Ion Ratio Lower Upper

106 100

91 195.2 157.4 236.2





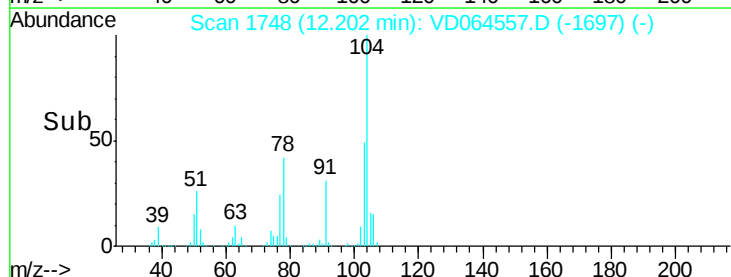
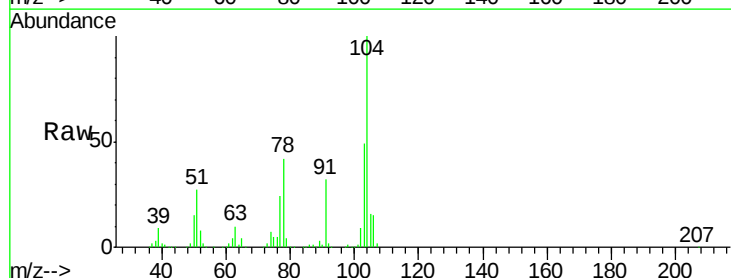
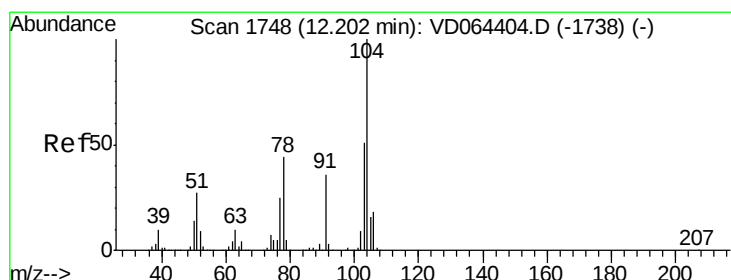
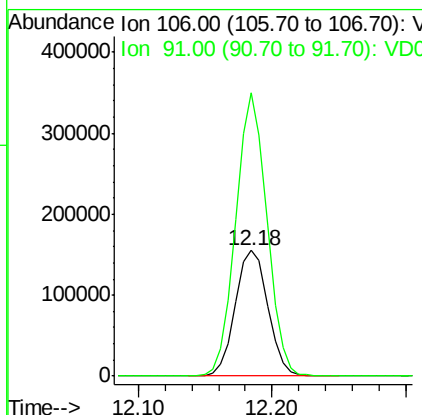
#69
o-Xylene
Concen: 43.001 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD064557.D
Acq: 17 Dec 2019 20:54

Tot Ion	Ratio	Resp	Lower	Upper
106	100	263502		
91	215.3	103.8	311.4	

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

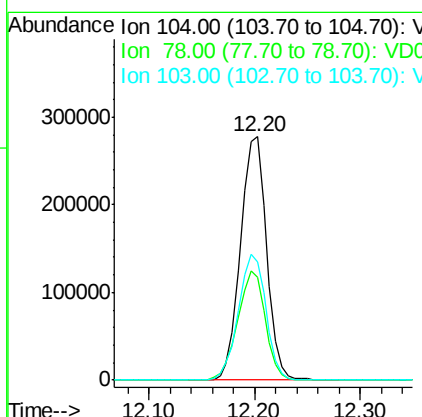
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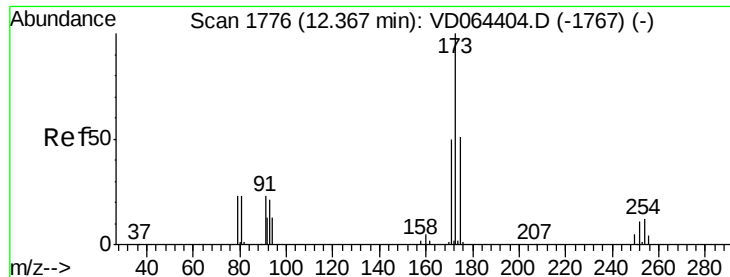
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#70
Styrene
Concen: 44.706 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.00 min
Lab File: VD064557.D
Acq: 17 Dec 2019 20:54

Tgt Ion	Ratio	Resp	Lower	Upper
104	100	476062		
78	47.5	38.8	58.2	
103	54.7	44.2	66.4	





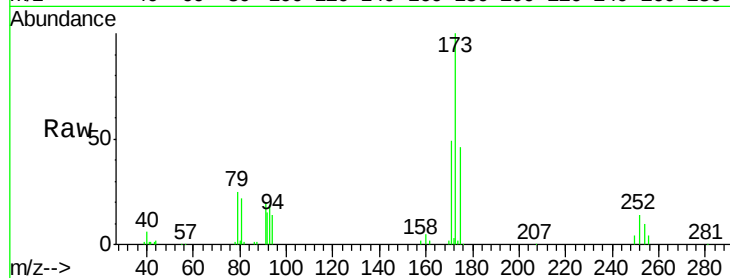
#71
Bromoform
Concen: 43.301 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. 0.00 min
Lab File: VD064557.D
Acq: 17 Dec 2019 20:54

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

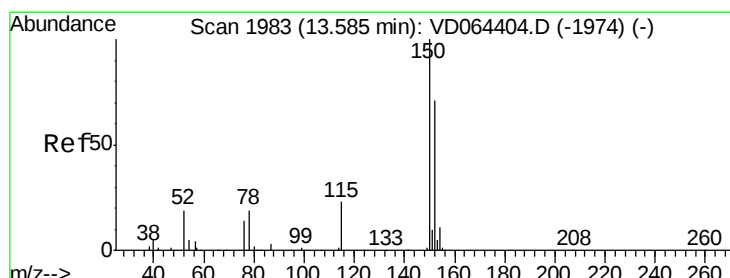
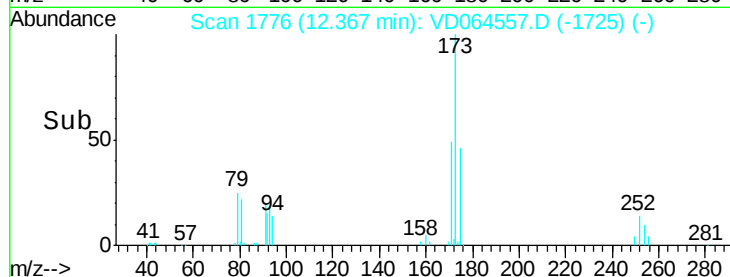
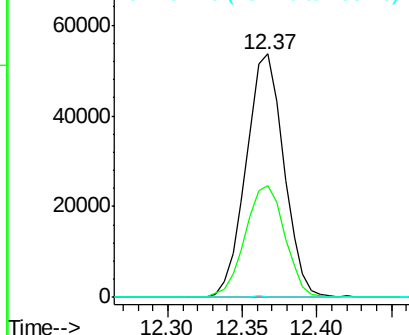
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.3	25.3	75.8
254	0.1	0.0	0.0#

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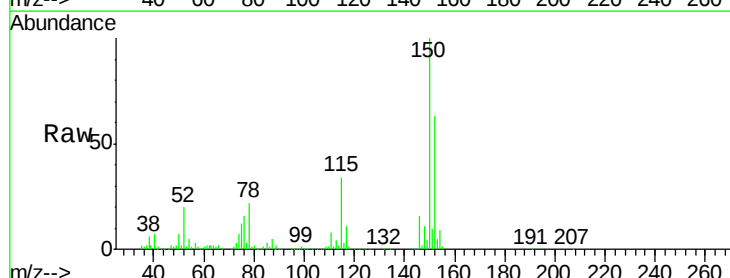


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

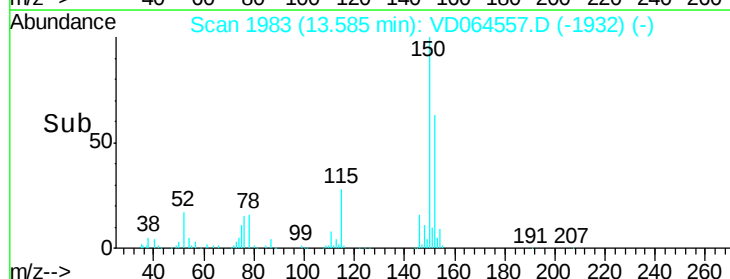
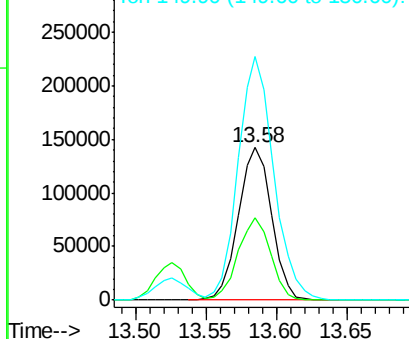


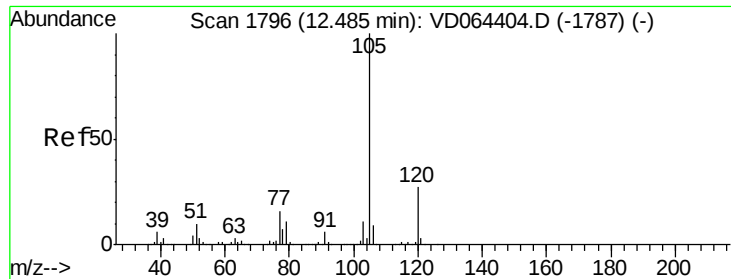
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VD064557.D
Acq: 17 Dec 2019 20:54

Tgt Ion	Ratio	Lower	Upper
152	100		
115	53.1	26.7	80.1
150	170.3	0.0	347.2



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





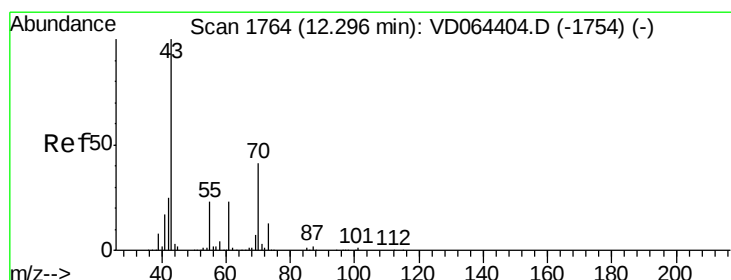
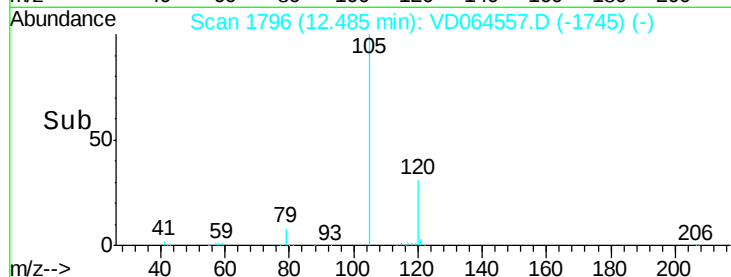
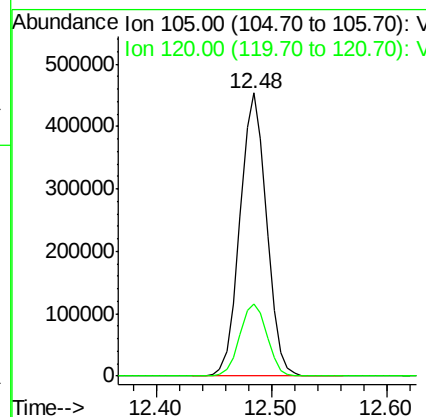
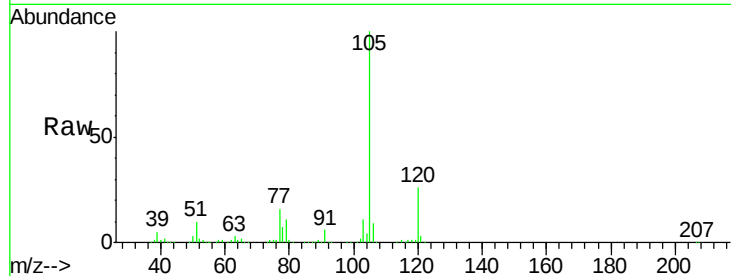
#73
Isopropylbenzene
Concen: 42.740 ug/l
RT: 12.48 min Scan# 1796
Delta R.T. 0.00 min
Lab File: VD064557.D
Acq: 17 Dec 2019 20:54

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 105 Resp: 721748
Ion Ratio Lower Upper
105 100
120 26.4 13.4 40.2

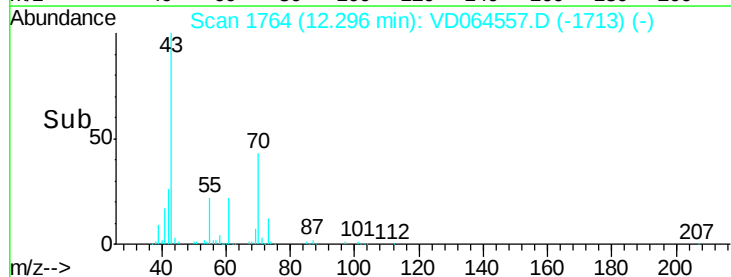
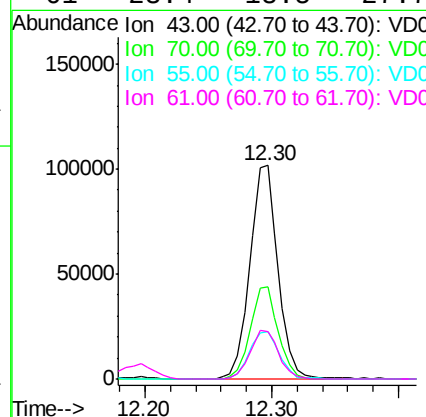
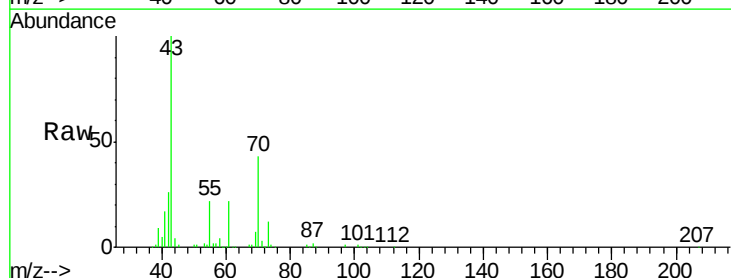
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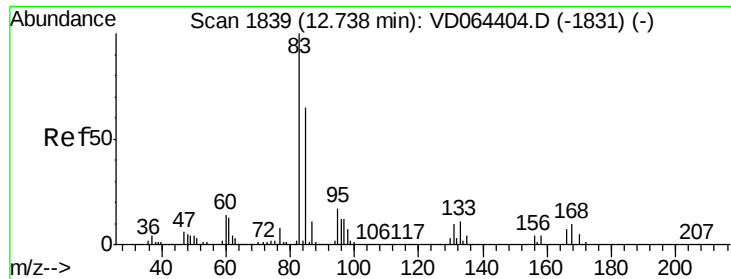
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#74
N-ethyl acetate
Concen: 40.831 ug/l
RT: 12.30 min Scan# 1764
Delta R.T. 0.00 min
Lab File: VD064557.D
Acq: 17 Dec 2019 20:54

Tgt Ion: 43 Resp: 156493
Ion Ratio Lower Upper
43 100
70 42.8 33.4 50.2
55 23.8 18.9 28.3
61 23.4 18.5 27.7





#75

1,1,2,2-Tetrachloroethane

Concen: 41.187 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD064557.D

Acq: 17 Dec 2019 20:54

Instrument :

MSVOA_D

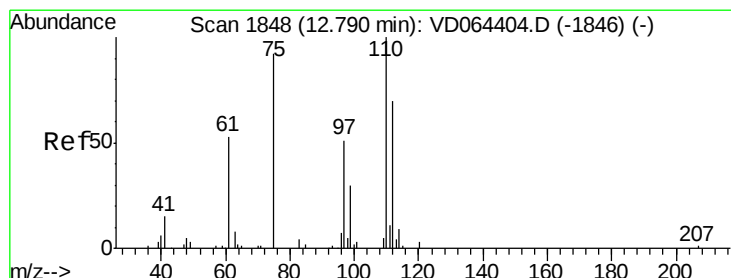
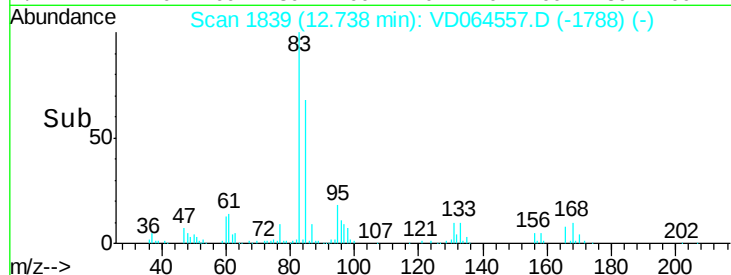
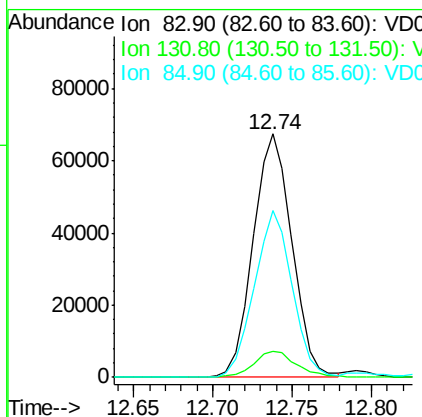
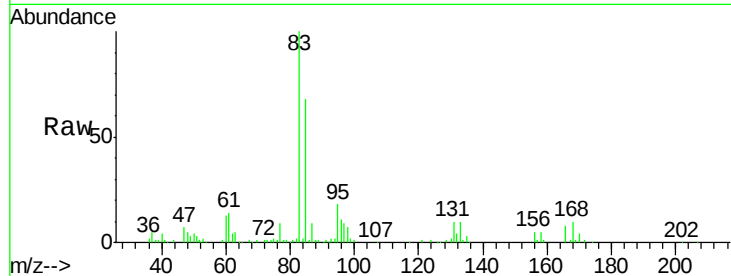
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	115017
Ion Ratio	Lower	Upper	
83	100		
131	11.9	5.7	17.0
85	66.6	31.3	93.9

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 47.833 ug/l m

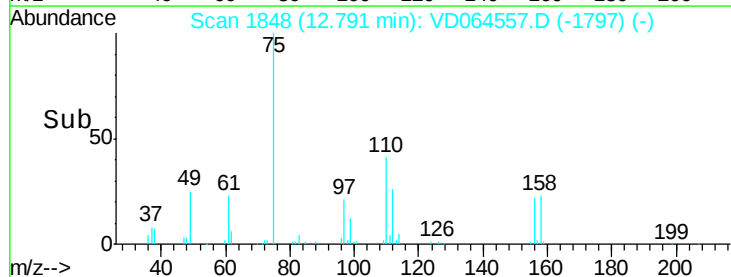
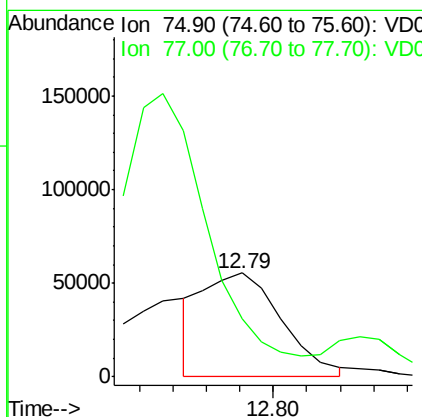
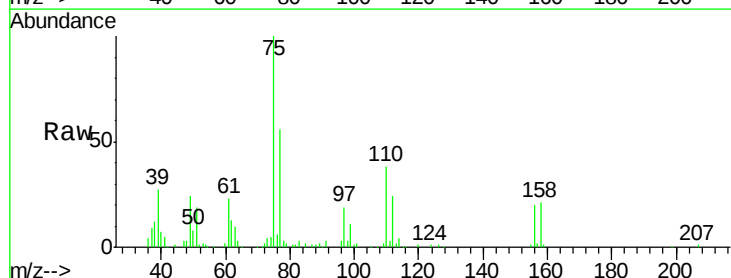
RT: 12.79 min Scan# 1848

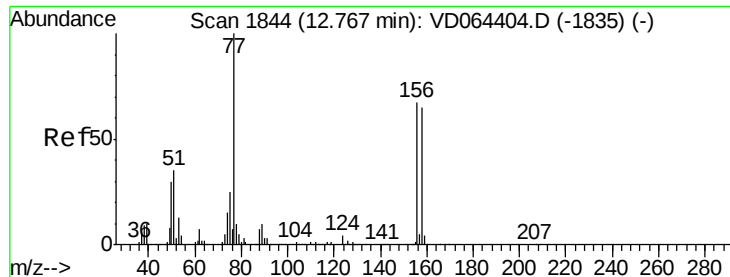
Delta R.T. 0.00 min

Lab File: VD064557.D

Acq: 17 Dec 2019 20:54

Tgt Ion:	75	Resp:	92360
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





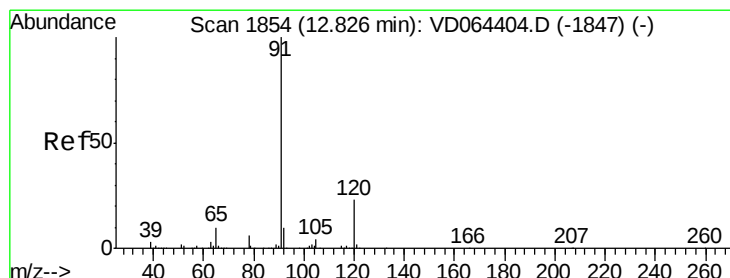
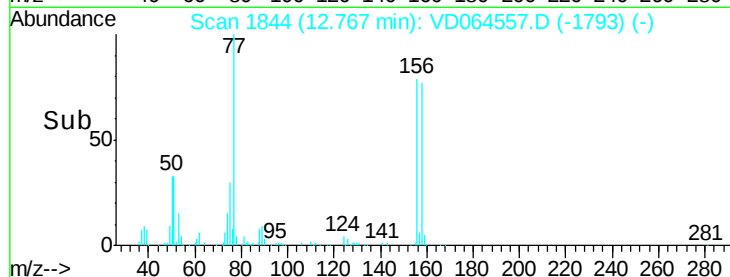
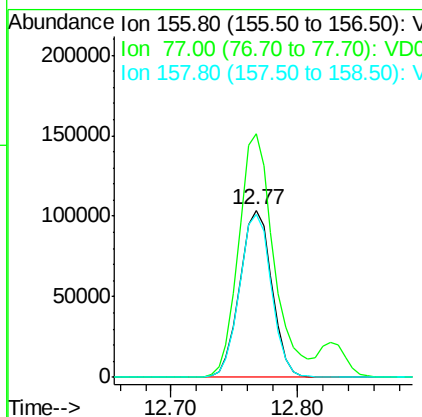
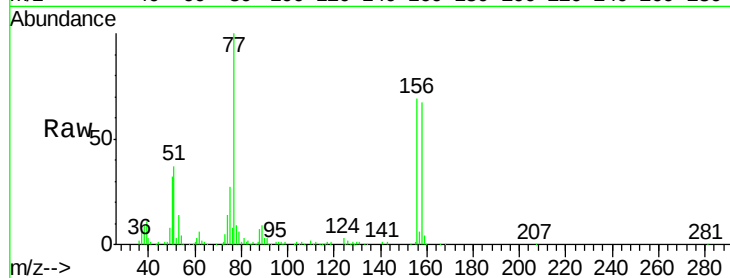
#77
Bromobenzene
Concen: 43.434 ug/l
RT: 12.77 min Scan# 1844
Delta R.T. 0.00 min
Lab File: VD064557.D
Acq: 17 Dec 2019 20:54

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
156	100		
77	159.7	80.0	240.2
158	97.4	48.9	146.6

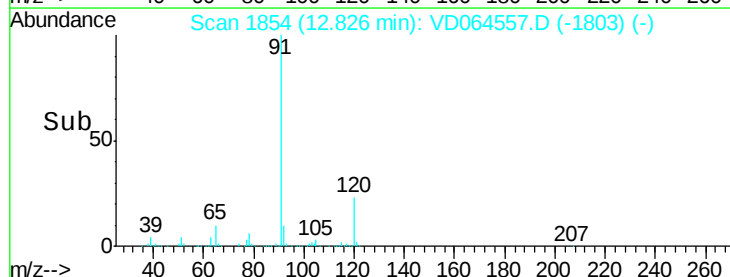
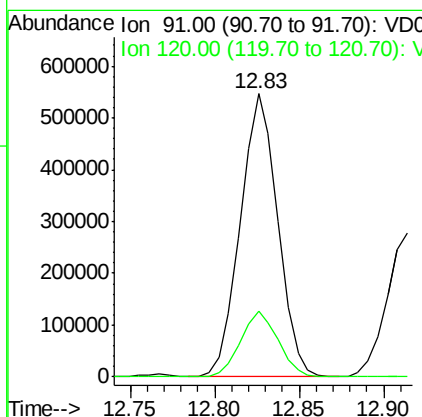
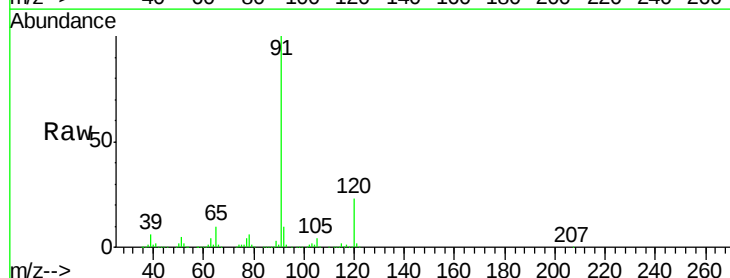
Manual Integrations
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#78
n-propylbenzene
Concen: 43.162 ug/l
RT: 12.83 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VD064557.D
Acq: 17 Dec 2019 20:54

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.3	11.9	35.9





#79

2-Chlorotoluene

Concen: 42.343 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD064557.D

Acq: 17 Dec 2019 20:54

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 453960

Ion Ratio Lower Upper

91 100

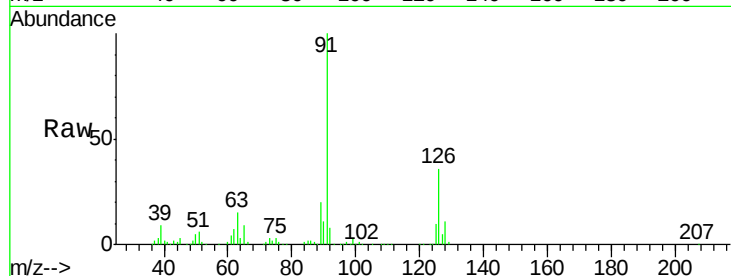
126 37.5 18.0 54.0

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Abundance Ion 91.00 (90.70 to 91.70): VD064404.D (-1862) (-)

Ion 125.90 (125.60 to 126.60): VD064404.D (-1862) (-)

300000

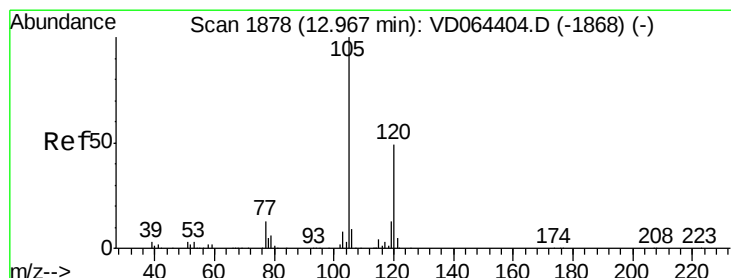
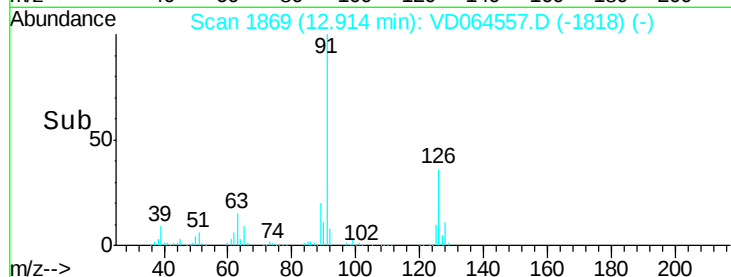
200000

100000

0

12.85 12.90 12.95

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 42.563 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD064557.D

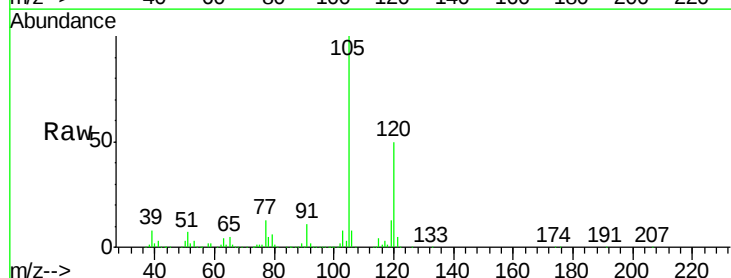
Acq: 17 Dec 2019 20:54

Tgt Ion:105 Resp: 587361

Ion Ratio Lower Upper

105 100

120 50.9 25.1 75.3



Abundance Ion 105.00 (104.70 to 105.70): VD064404.D (-1868) (-)

Ion 120.00 (119.70 to 120.70): VD064404.D (-1868) (-)

400000

300000

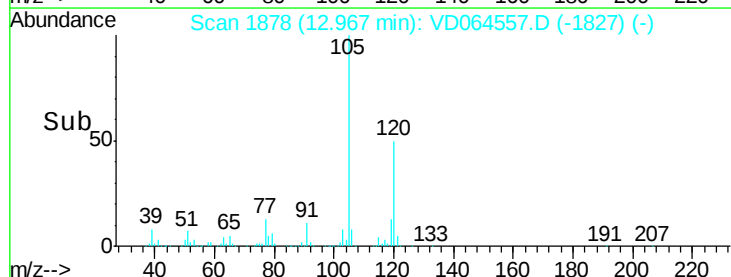
200000

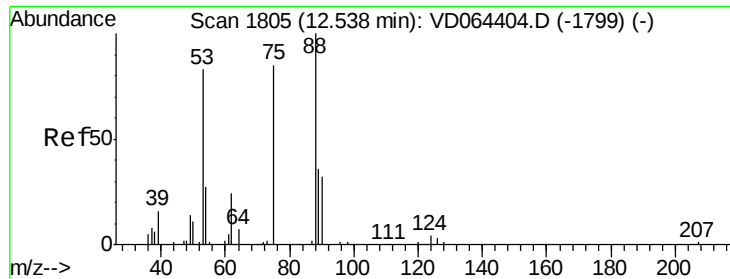
100000

0

12.90 13.00

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 42.363 ug/l

RT: 12.54 min Scan# 1805

Delta R.T. 0.00 min

Lab File: VD064557.D

Acq: 17 Dec 2019 20:54

Instrument :

MSVOA_D

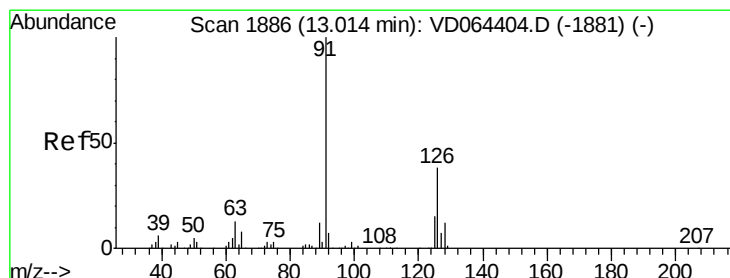
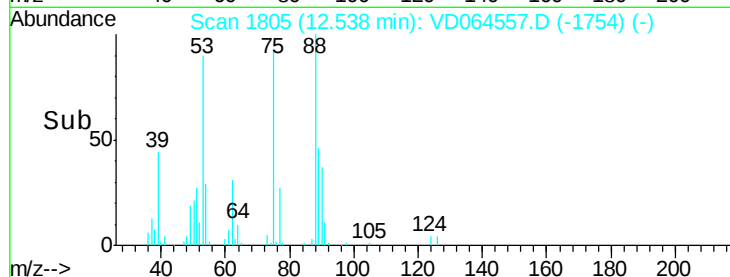
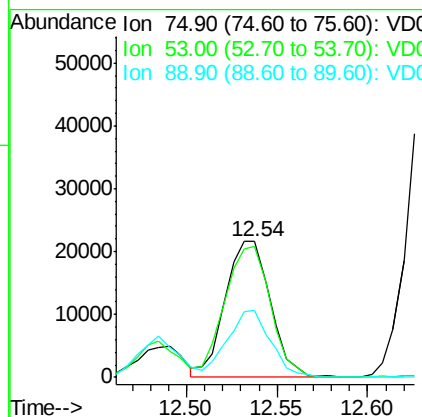
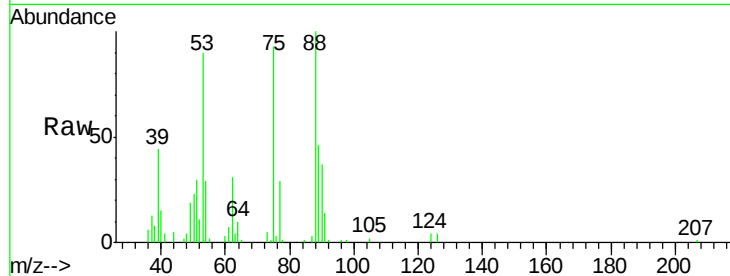
ClientSampleId :

VSTDCCC050EC

Tot Ion:	75	Resp:	37513
Ion Ratio	Lower	Upper	
75	100		
53	98.3	81.0	121.6
89	46.9	38.5	57.7

Manual Integrations
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#82

4-Chlorotoluene

Concen: 42.447 ug/l

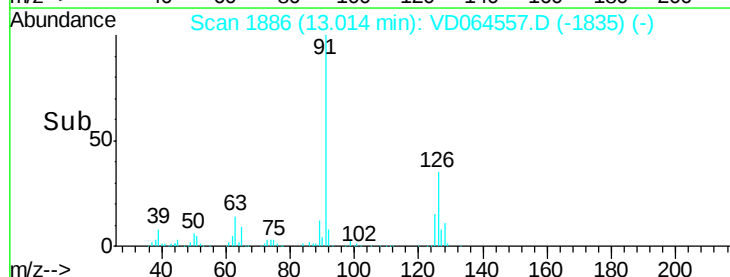
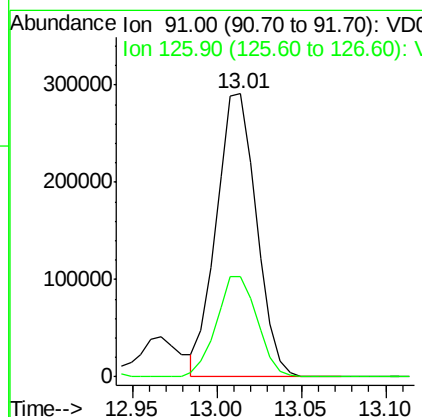
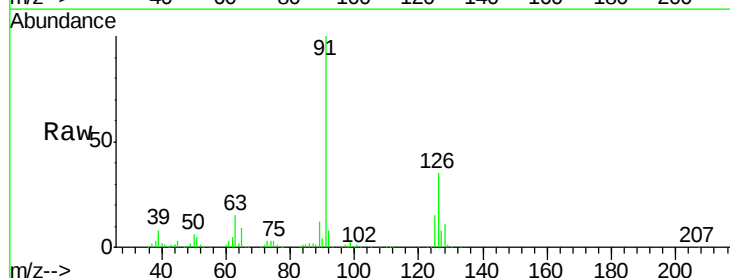
RT: 13.01 min Scan# 1886

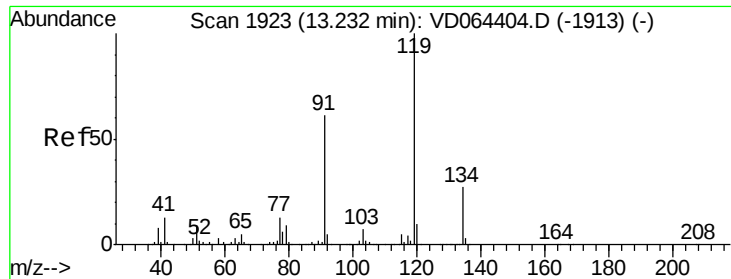
Delta R.T. 0.00 min

Lab File: VD064557.D

Acq: 17 Dec 2019 20:54

Tgt Ion:	91	Resp:	481833
Ion Ratio	Lower	Upper	
91	100		
126	36.3	18.2	54.6





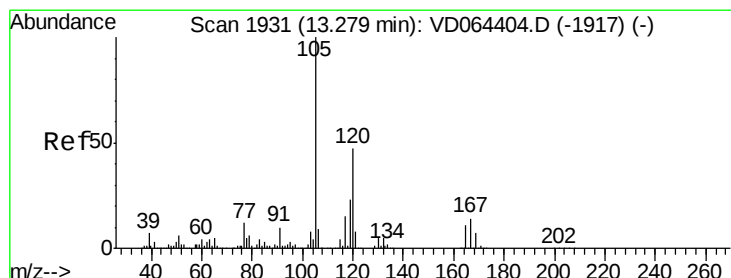
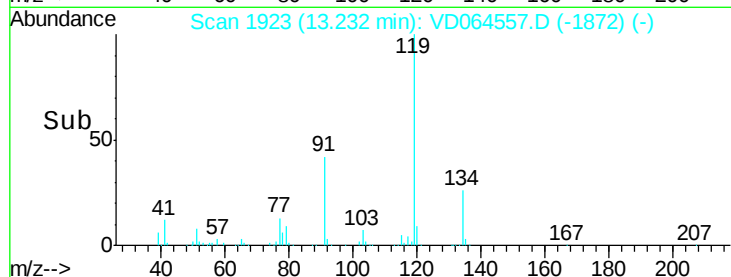
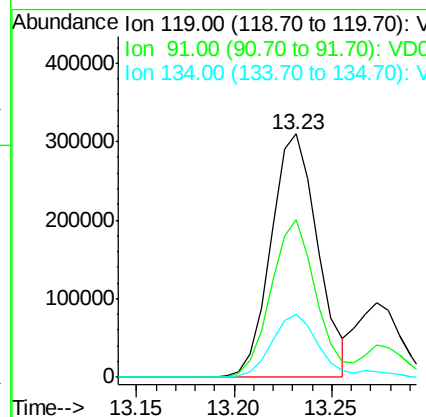
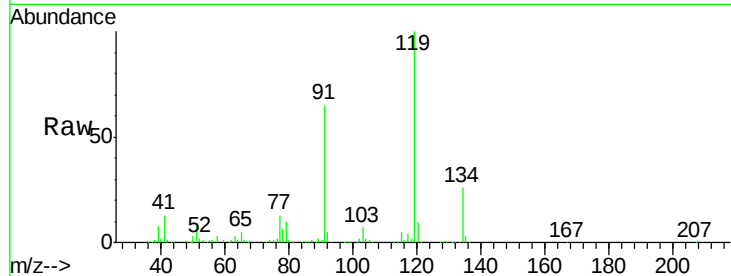
#83
tert-Butylbenzene
Concen: 42.836 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. 0.00 min
Lab File: VD064557.D
Acq: 17 Dec 2019 20:54

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
119	100	513917		
91	62.8		31.2	93.6
134	25.4		13.9	41.7

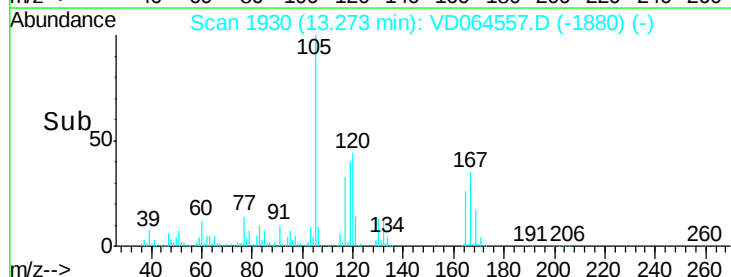
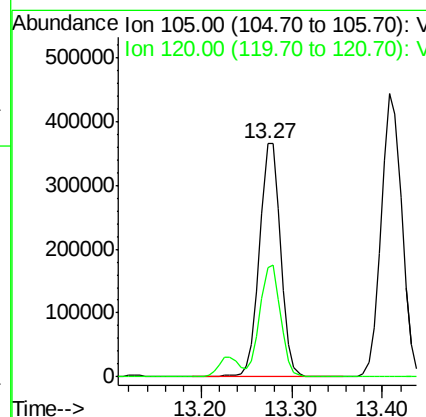
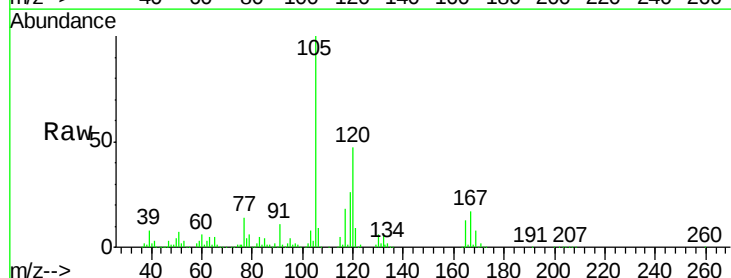
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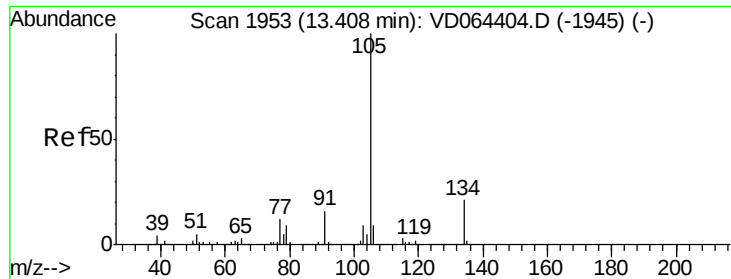
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 42.468 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. -0.01 min
Lab File: VD064557.D
Acq: 17 Dec 2019 20:54

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	589293		
120	46.9		23.6	70.8





#85

sec-Butylbenzene

Concen: 42.398 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD064557.D

Acq: 17 Dec 2019 20:54

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 698119

Ion Ratio Lower Upper

105 100

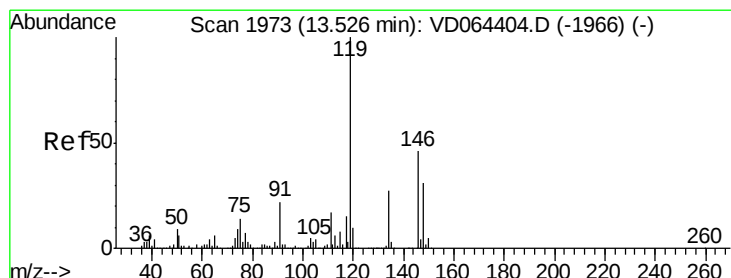
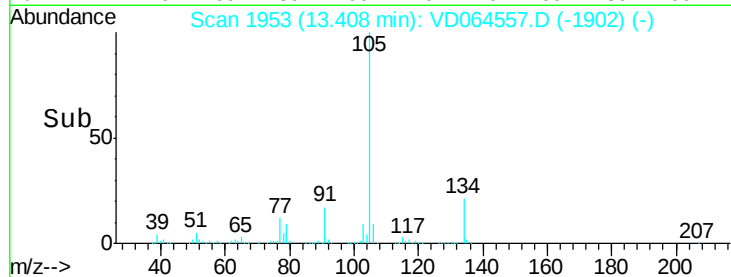
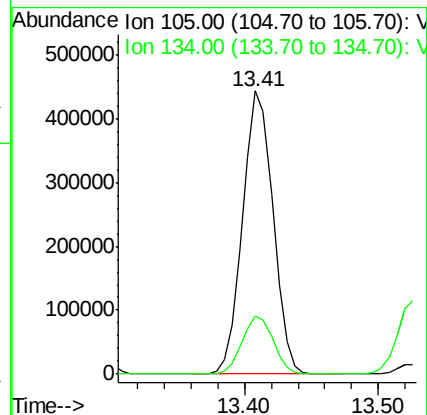
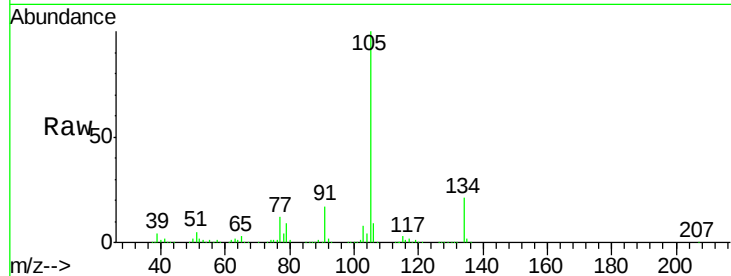
134 21.1 10.5 31.5

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12/18/2019 1:01:05 PM



#86

p-Isopropyltoluene

Concen: 42.934 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD064557.D

Acq: 17 Dec 2019 20:54

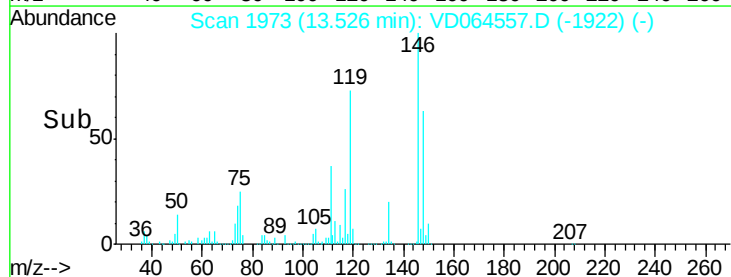
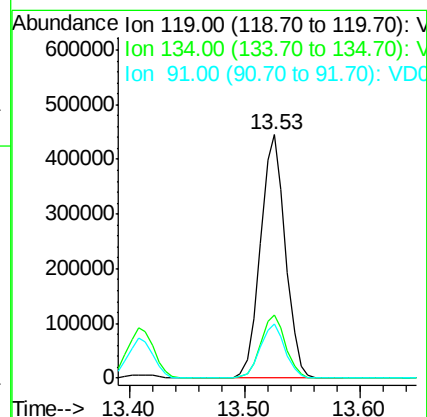
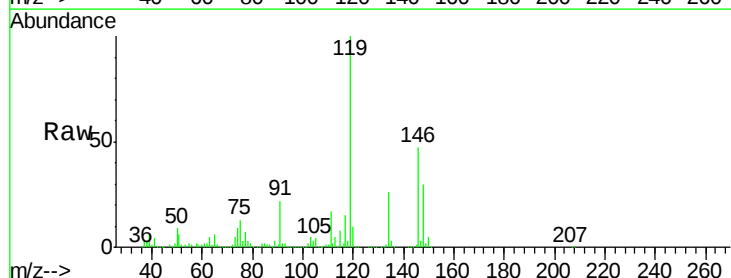
Tgt Ion:119 Resp: 667421

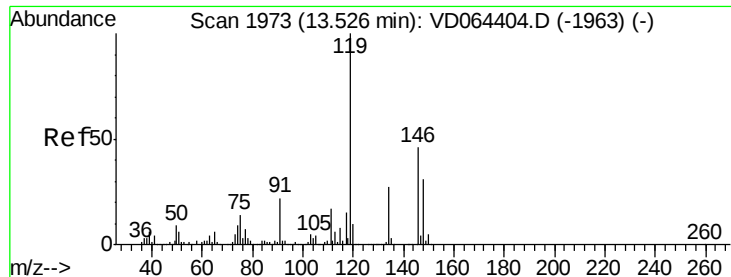
Ion Ratio Lower Upper

119 100

134 26.0 13.5 40.4

91 22.3 11.2 33.5





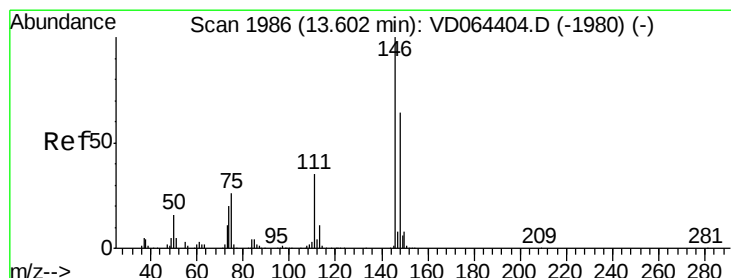
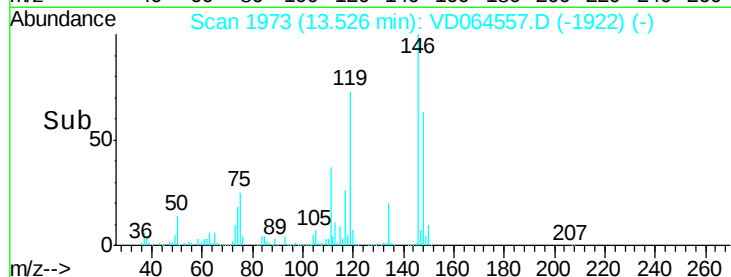
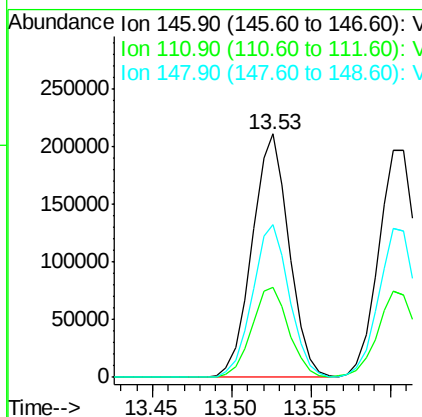
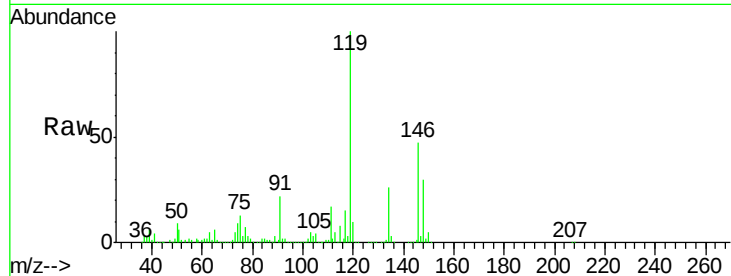
#87
 1,3-Dichlorobenzene
 Concen: 43.224 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD064557.D
 Acq: 17 Dec 2019 20:54

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.1	18.8	56.4
148	62.7	32.6	97.8

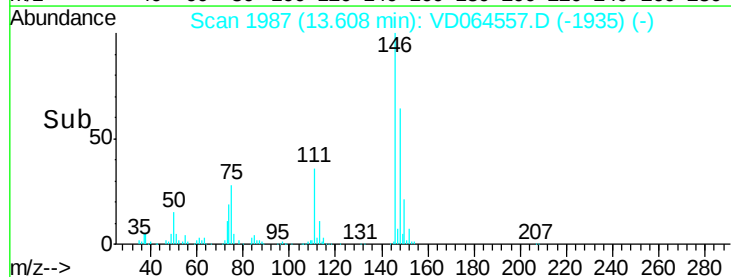
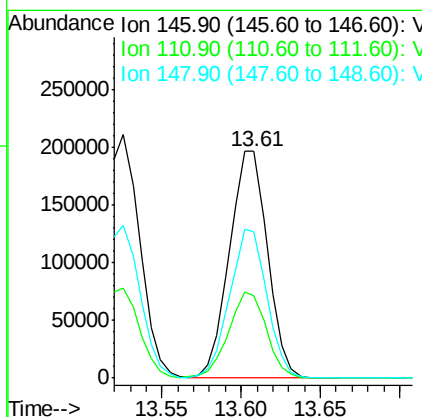
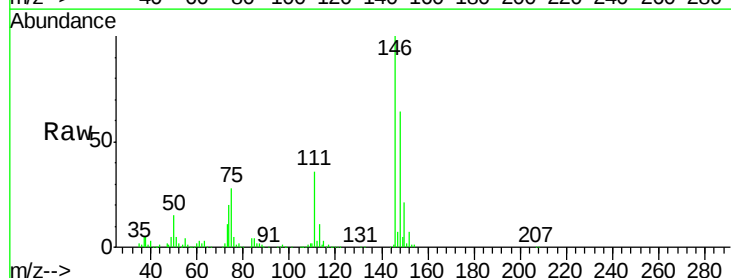
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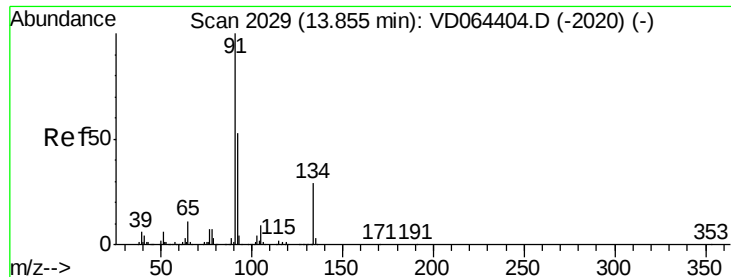
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#88
 1,4-Dichlorobenzene
 Concen: 42.096 ug/l
 RT: 13.61 min Scan# 1987
 Delta R.T. 0.01 min
 Lab File: VD064557.D
 Acq: 17 Dec 2019 20:54

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.8	18.2	54.6
148	64.1	31.8	95.4





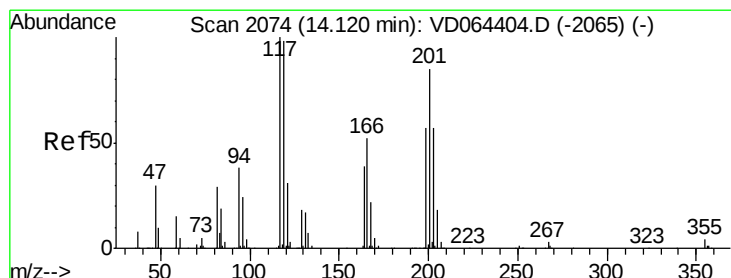
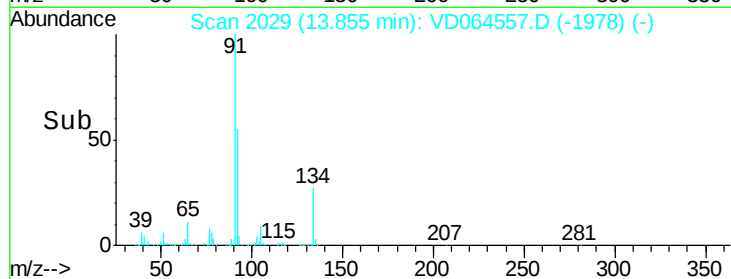
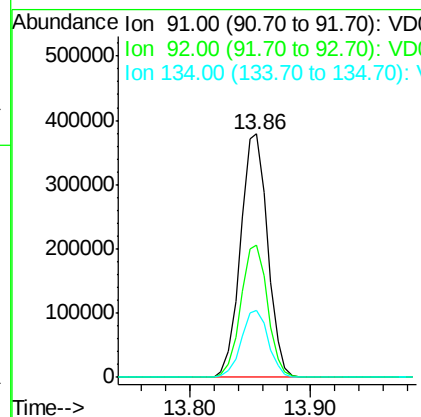
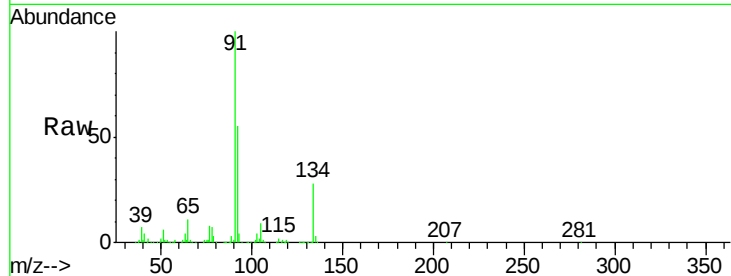
#89
n-Butylbenzene
Concen: 42.040 ug/l
RT: 13.86 min Scan# 2029
Delta R.T. 0.00 min
Lab File: VD064557.D
Acq: 17 Dec 2019 20:54

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.8	26.5	79.4
134	27.5	13.9	41.7

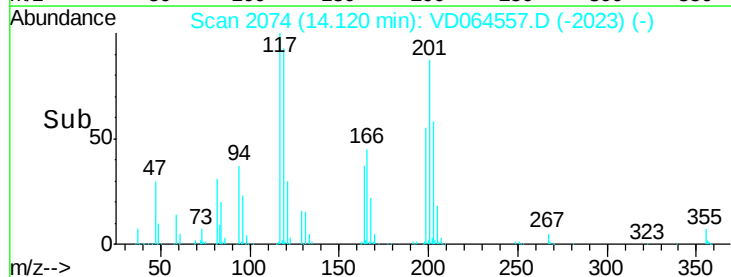
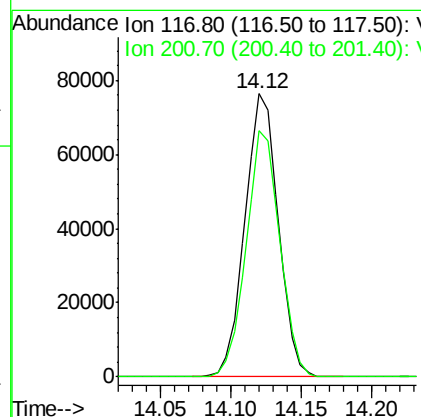
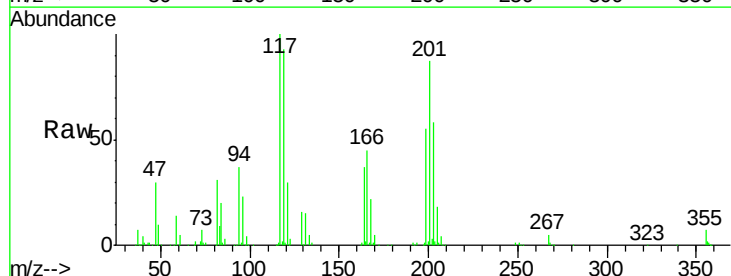
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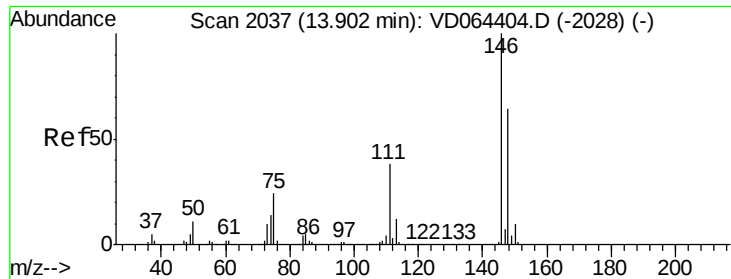
MMDadoda
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#90
Hexachloroethane
Concen: 43.554 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD064557.D
Acq: 17 Dec 2019 20:54

Tgt Ion	Ratio	Lower	Upper
117	100		
201	87.9	44.3	132.8





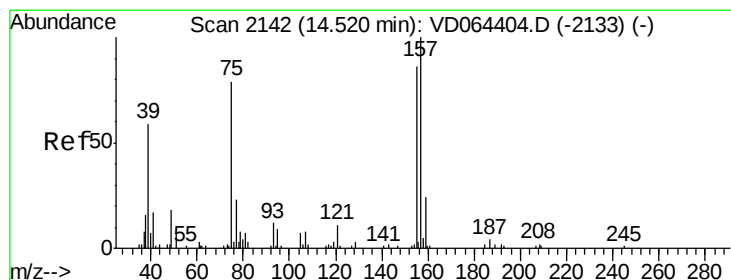
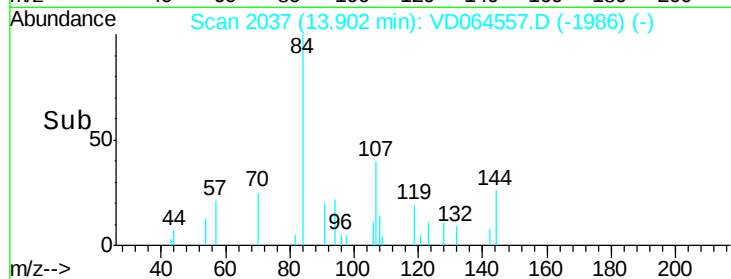
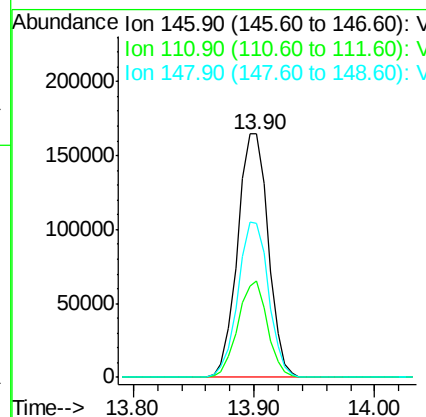
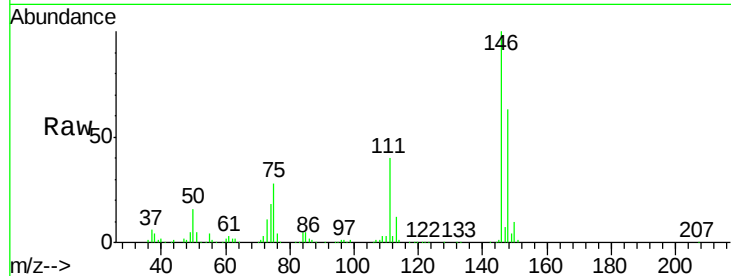
#91
 1,2-Dichlorobenzene
 Concen: 43.220 ug/l
 RT: 13.90 min Scan# 2037
 Delta R.T. 0.00 min
 Lab File: VD064557.D
 Acq: 17 Dec 2019 20:54

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.7	19.1	57.3
148	63.4	32.0	96.0

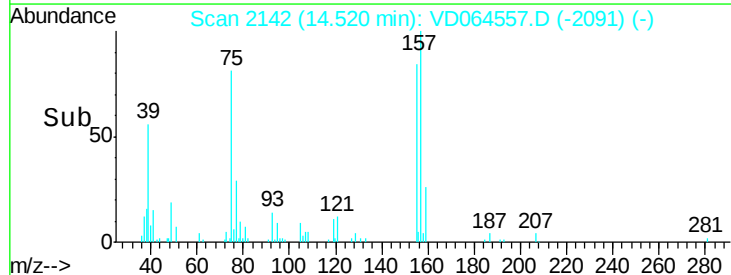
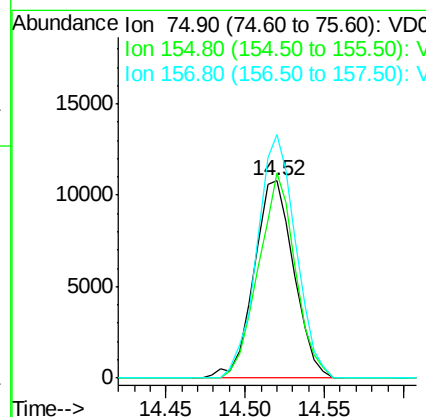
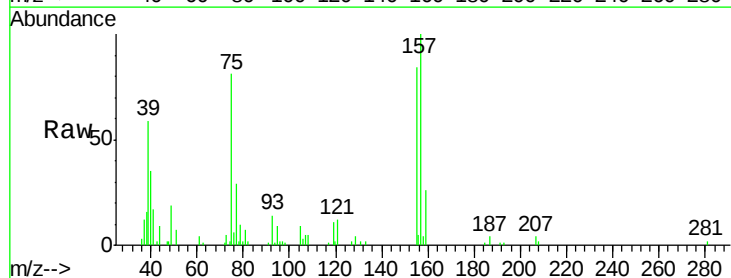
Manual Integrations
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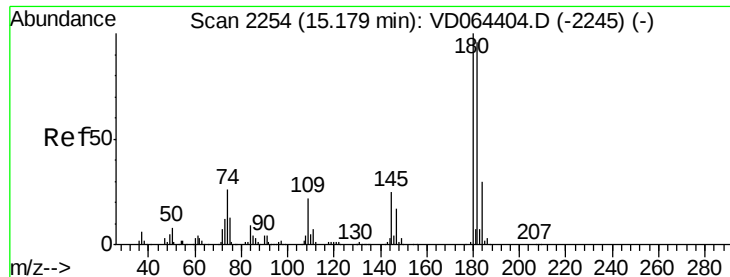
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 44.654 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. 0.00 min
 Lab File: VD064557.D
 Acq: 17 Dec 2019 20:54

Tgt Ion	Ratio	Lower	Upper
75	100		
155	96.2	51.9	155.7
157	119.6	63.2	189.8





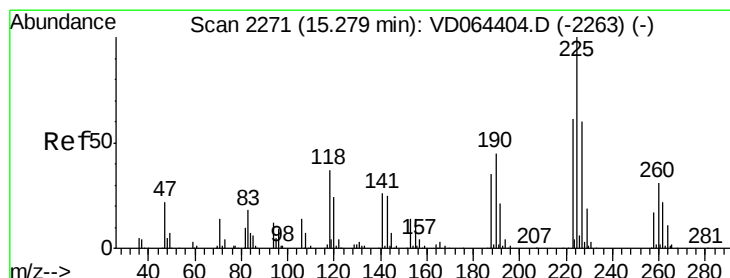
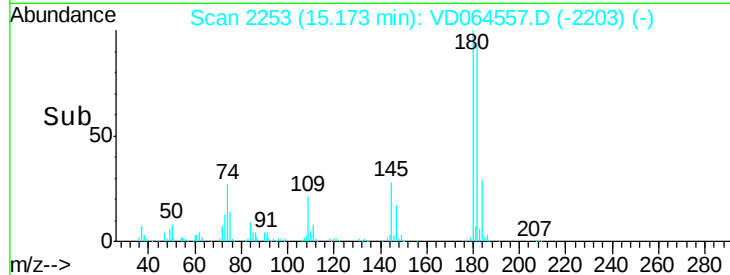
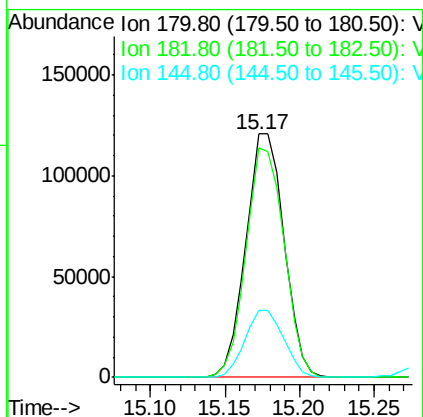
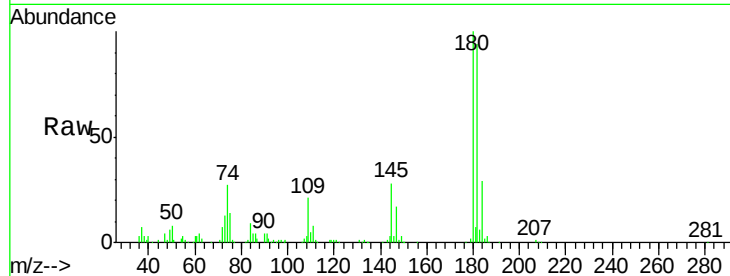
#93
 1,2,4-Trichlorobenzene
 Concen: 41.313 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. -0.01 min
 Lab File: VD064557.D
 Acq: 17 Dec 2019 20:54

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	214015		
182	94.0	47.4	142.3	
145	28.1	14.0	41.9	

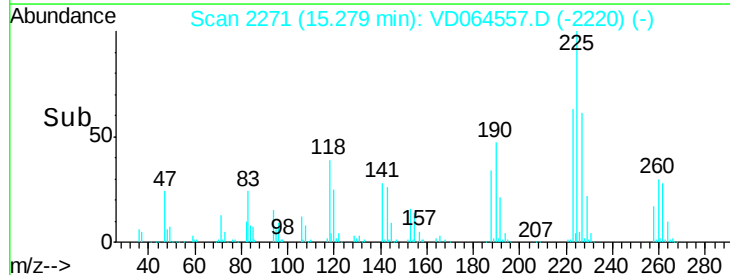
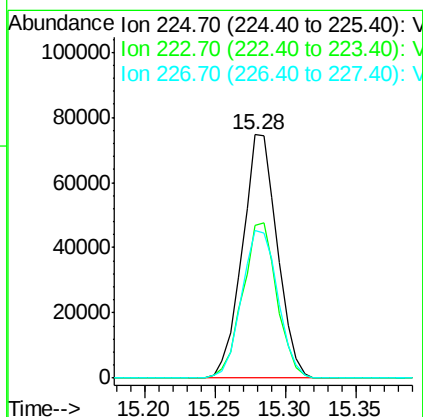
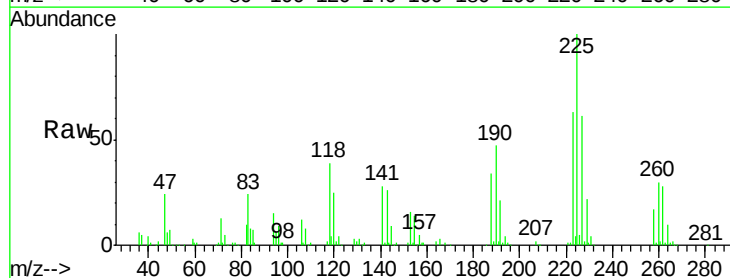
Manual Integrations
 APPROVED

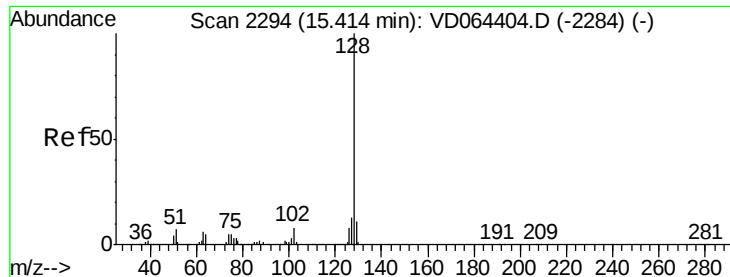
MMDadoda
 12/18/2019 1:01:05 PM



#94
 Hexachlorobutadiene
 Concen: 40.481 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VD064557.D
 Acq: 17 Dec 2019 20:54

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	129459		
223	62.6	31.1	93.3	
227	62.9	31.8	95.4	





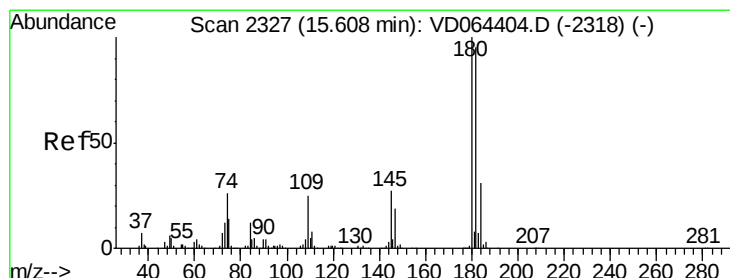
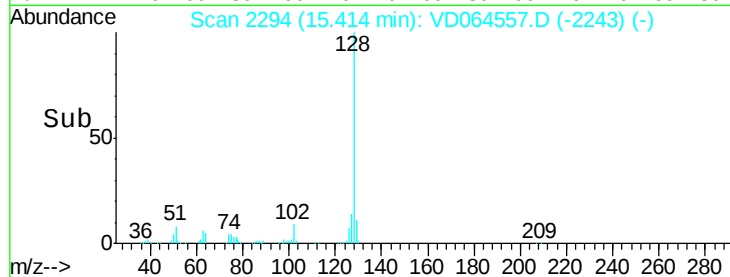
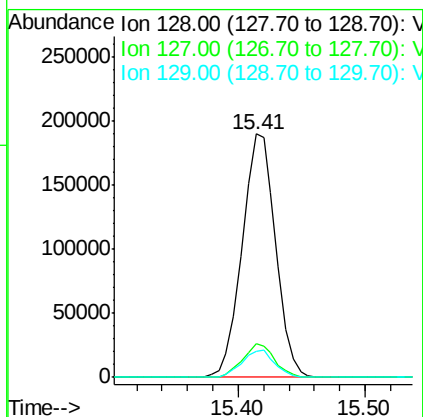
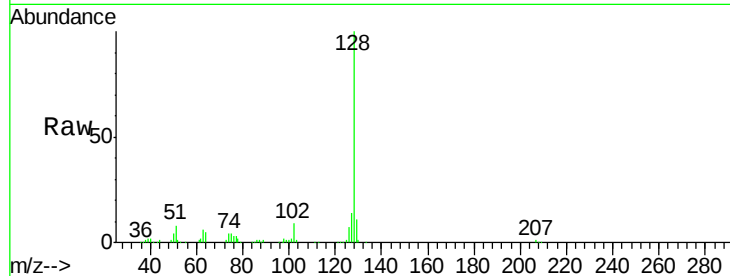
#95
Naphthalene
Concen: 40.287 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.00 min
Lab File: VD064557.D
Acq: 17 Dec 2019 20:54

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.5	15.7
129	11.0	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
12/18/2019 1:01:05 PM



#96
1,2,3-Trichlorobenzene
Concen: 41.022 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. 0.00 min
Lab File: VD064557.D
Acq: 17 Dec 2019 20:54

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.7	47.6	142.9
145	29.7	14.6	43.8

