

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD121719\
 Data File : VD064536.D
 Acq On : 17 Dec 2019 10:36
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 12/18/2019 1:00:37 PM

Quant Time: Dec 18 02:52:55 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	409563	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	587382	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	518756	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	253975	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	190390	51.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.72%	
35) Dibromofluoromethane	7.92	113	203015	54.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.72%	
50) Toluene-d8	10.34	98	754163	54.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.20%	
62) 4-Bromofluorobenzene	12.64	95	233525	52.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.26%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	168669	45.451	ug/l	98
3) Chloromethane	2.21	50	215962	46.139	ug/l	97
4) Vinyl Chloride	2.35	62	266679	49.346	ug/l	100
5) Bromomethane	2.77	94	176959	44.278	ug/l	98
6) Chloroethane	2.93	64	178824	49.505	ug/l	98
7) Trichlorofluoromethane	3.27	101	468486	52.145	ug/l	99
8) Diethyl Ether	3.70	74	88622	47.469	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.09	101	197982	51.395	ug/l	97
10) Methyl Iodide	4.30	142	206997	50.884	ug/l	99
11) Tert butyl alcohol	5.26	59	47630	201.840	ug/l #	100
12) 1,1-Dichloroethene	4.06	96	185310	50.198	ug/l	97
13) Acrolein	3.92	56	71500	222.139	ug/l	100
14) Allyl chloride	4.71	41	287856	49.964	ug/l	98
15) Acrylonitrile	5.43	53	185071	226.695	ug/l	98
16) Acetone	4.17	43	216672	289.228	ug/l	96
17) Carbon Disulfide	4.40	76	552510	47.256	ug/l	98
18) Methyl Acetate	4.73	43	96935	44.360	ug/l	96
19) Methyl tert-butyl Ether	5.49	73	398693	47.082	ug/l	98
20) Methylene Chloride	4.96	84	189491	49.761	ug/l	97
21) trans-1,2-Dichloroethene	5.46	96	208065	49.827	ug/l	99
22) Diisopropyl ether	6.37	45	569392	50.064	ug/l	97
23) Vinyl Acetate	6.31	43	1617843	241.290	ug/l	99
24) 1,1-Dichloroethane	6.27	63	348645	50.973	ug/l	99
25) 2-Butanone	7.22	43	247989	234.076	ug/l	100
26) 2,2-Dichloropropane	7.21	77	323760	54.430	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	229060	50.315	ug/l	99
28) Bromochloromethane	7.55	49	125864	53.846	ug/l	100
29) Tetrahydrofuran	7.57	42	144224	213.969	ug/l	98
30) Chloroform	7.71	83	364827	51.503	ug/l	99
31) Cyclohexane	7.98	56	316957	53.389	ug/l	97
32) 1,1,1-Trichloroethane	7.90	97	343542	52.311	ug/l	99
36) 1,1-Dichloropropene	8.11	75	287292	51.710	ug/l	99
37) Ethyl Acetate	7.30	43	107381	45.550	ug/l	99
38) Carbon Tetrachloride	8.09	117	315901	53.874	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	348616	50.585	ug/l	99
40) Benzene	8.35	78	787232	51.017	ug/l	98
41) Methacrylonitrile	7.53	41	75489	55.837	ug/l	97
42) 1,2-Dichloroethane	8.43	62	221901	49.311	ug/l	99
43) Isopropyl Acetate	8.46	43	218259	47.087	ug/l	99
44) Trichloroethene	9.11	130	234653	50.483	ug/l	97
45) 1,2-Dichloropropane	9.38	63	189525	51.356	ug/l	98
46) Dibromomethane	9.48	93	102072	49.006	ug/l	99
47) Bromodichloromethane	9.66	83	278334	52.007	ug/l	99
48) Methyl methacrylate	9.46	41	98002	46.205	ug/l	95
49) 1,4-Dioxane	9.47	88	22521	875.612	ug/l	95
51) 4-Methyl-2-Pentanone	10.23	43	529240	230.761	ug/l	100
52) Toluene	10.40	92	515647	51.276	ug/l	99
53) t-1,3-Dichloropropene	10.62	75	258914	50.762	ug/l	98
54) cis-1,3-Dichloropropene	10.09	75	314228	51.859	ug/l	99
55) 1,1,2-Trichloroethane	10.80	97	137758	48.302	ug/l	97
56) Ethyl methacrylate	10.66	69	171433	47.128	ug/l	98
57) 1,3-Dichloropropane	10.95	76	237103	48.838	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	308895	213.018	ug/l	100
59) 2-Hexanone	10.98	43	390348	245.285	ug/l	99
60) Dibromochloromethane	11.14	129	191845	49.612	ug/l	98
61) 1,2-Dibromoethane	11.25	107	135174	47.469	ug/l	100
64) Tetrachloroethene	10.87	164	204838	51.780	ug/l	94
65) Chlorobenzene	11.67	112	544989	50.371	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.75	131	207080	51.702	ug/l	99
67) Ethyl Benzene	11.75	91	993216	51.594	ug/l	100
68) m/p-Xylenes	11.86	106	764691	104.181	ug/l	100
69) o-Xylene	12.18	106	349120	51.501	ug/l	100
70) Styrene	12.20	104	598548	50.810	ug/l	100
71) Bromoform	12.36	173	116055	48.431	ug/l #	98
73) Isopropylbenzene	12.48	105	961121	52.618	ug/l	100
74) N-amyl acetate	12.29	43	200086	48.263	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	143382	47.467	ug/l	100
76) 1,2,3-Trichloropropane	12.79	75	110425m	52.870	ug/l	
77) Bromobenzene	12.77	156	229371	50.850	ug/l	98
78) n-propylbenzene	12.83	91	1107186	52.534	ug/l	100
79) 2-Chlorotoluene	12.91	91	598908	51.644	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	766178	51.328	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.53	75	48222	50.344	ug/l	97
82) 4-Chlorotoluene	13.01	91	626038	50.987	ug/l	100
83) tert-Butylbenzene	13.23	119	677014	52.170	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	765714	51.015	ug/l	99
85) sec-Butylbenzene	13.41	105	925242	51.948	ug/l	100
86) p-Isopropyltoluene	13.53	119	874029	51.979	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	432245	50.488	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	418658	49.531	ug/l	99
89) n-Butylbenzene	13.86	91	796051	52.131	ug/l	100
90) Hexachloroethane	14.12	117	167923	53.392	ug/l	98
91) 1,2-Dichlorobenzene	13.90	146	366545	50.097	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	21474	47.345	ug/l	97

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QLast Update : Fri Nov 29 07:18:03 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.18	180	271957	48.534	ug/l	99
94) Hexachlorobutadiene	15.28	225	174833	50.541	ug/l	99
95) Naphthalene	15.42	128	433528	46.359	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	228419	47.755	ug/l	99

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

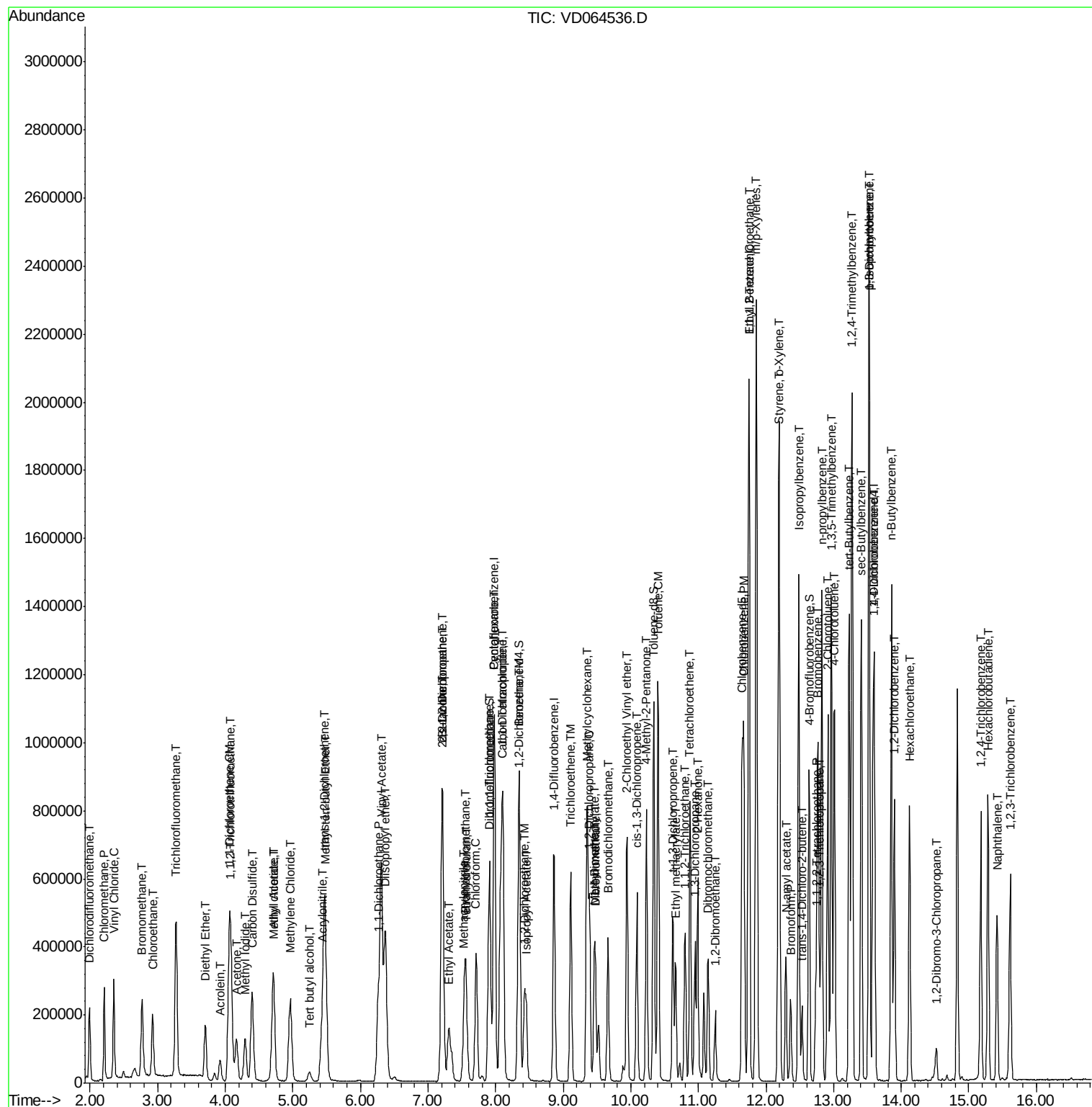
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD121719\
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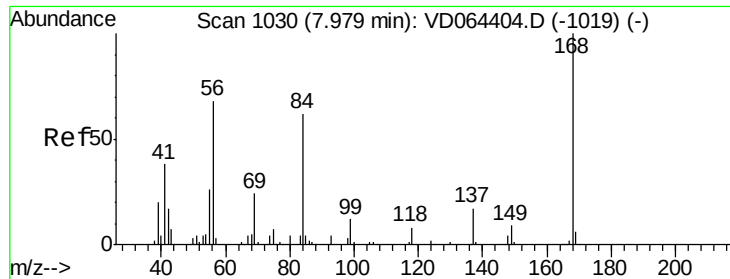
Instrument :
 MSVOA_D
 Client Sample Id :
 VSTDCCC050

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VD064536.D

Acq: 17 Dec 2019 10:36

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 409563

Ion Ratio Lower Upper

168 100

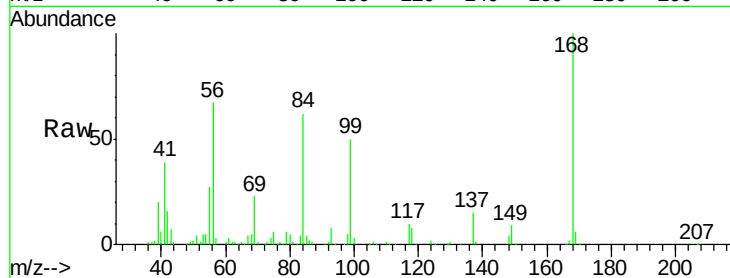
99 49.9 40.7 61.1

Manual Integrations

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12/18/2019 1:00:37 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

200000

150000

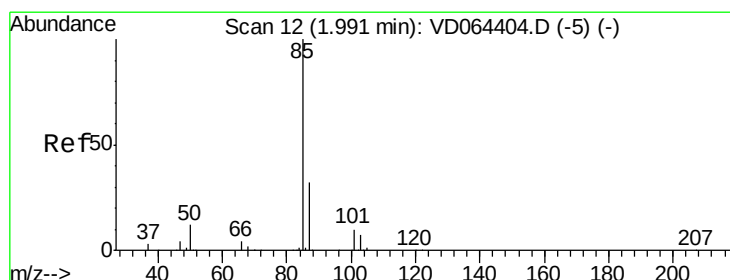
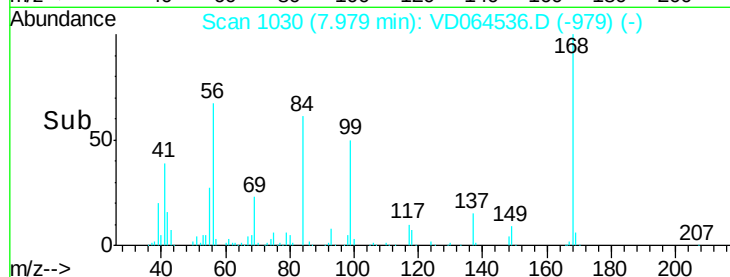
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50000

0

7.85 7.90 7.95 8.00 8.05

Time-->



#2

Dichlorodifluoromethane

Concen: 45.451 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD064536.D

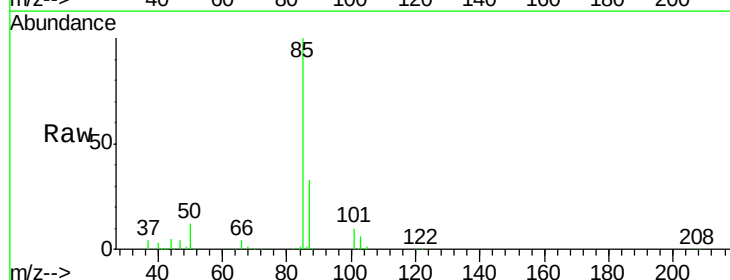
Acq: 17 Dec 2019 10:36

Tgt Ion: 85 Resp: 168669

Ion Ratio Lower Upper

85 100

87 33.2 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

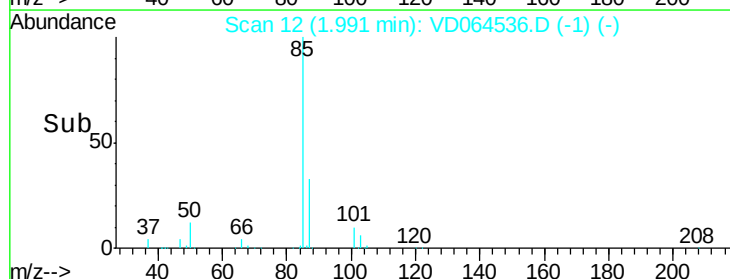
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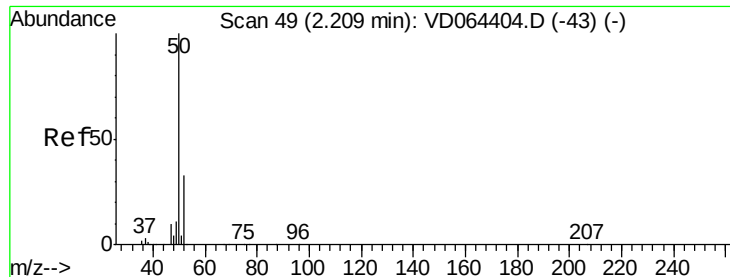
50000

0

1.95 2.00 2.05

Time-->





#3

Chloromethane

Concen: 46.139 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD064536.D

Acq: 17 Dec 2019 10:36

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 215962

Ion Ratio Lower Upper

50 100

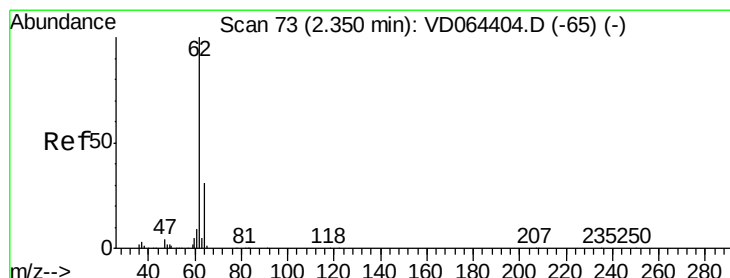
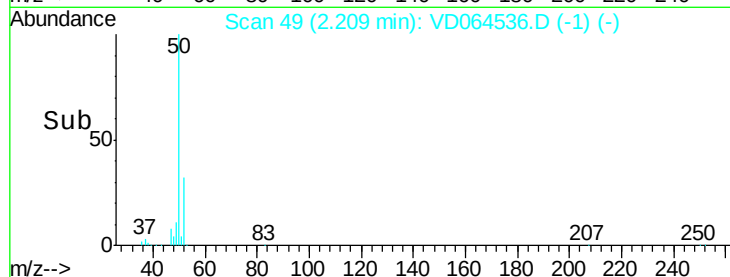
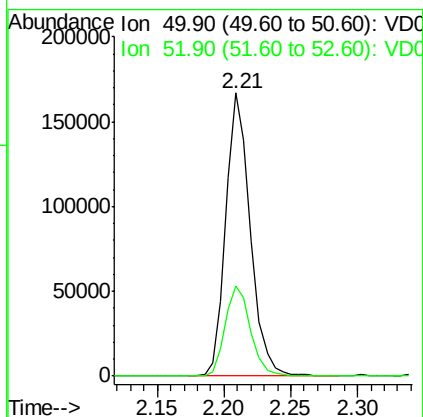
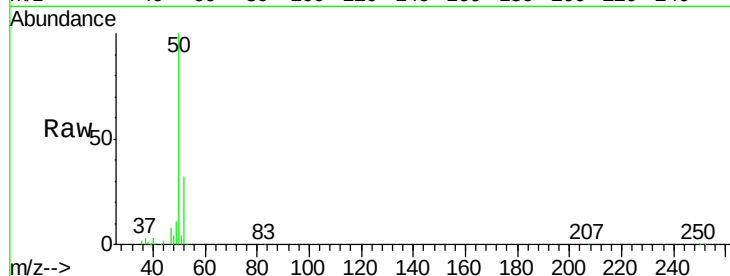
52 31.9 26.7 40.1

Manual Integrations

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#4

Vinyl Chloride

Concen: 49.346 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD064536.D

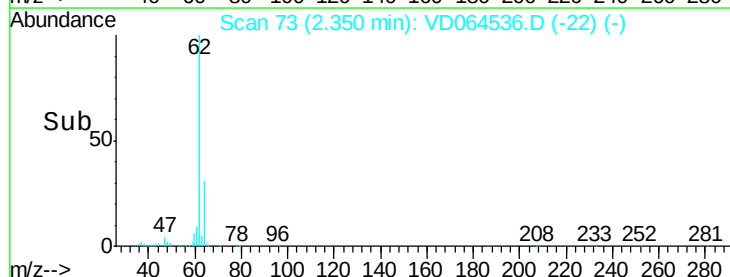
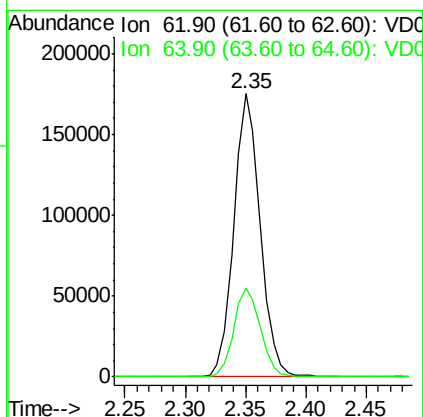
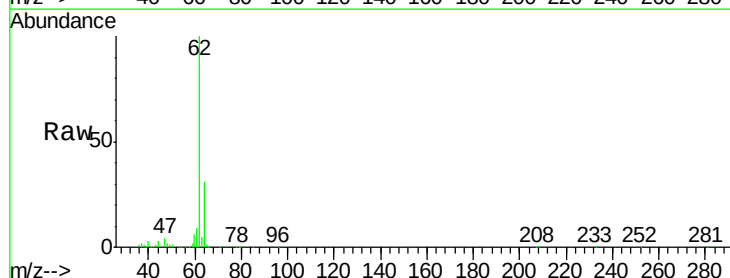
Acq: 17 Dec 2019 10:36

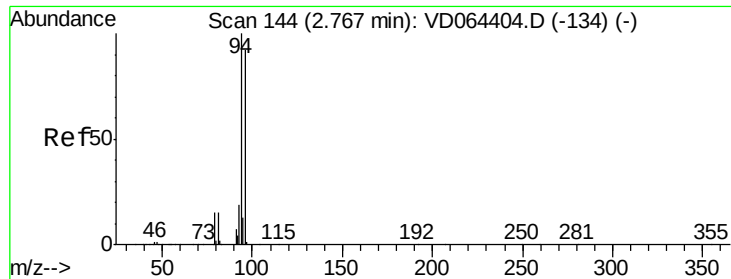
Tgt Ion: 62 Resp: 266679

Ion Ratio Lower Upper

62 100

64 31.2 25.0 37.4





#5

Bromomethane

Concen: 44.278 ug/l

RT: 2.77 min Scan# 144

Delta R.T. 0.00 min

Lab File: VD064536.D

Acq: 17 Dec 2019 10:36

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 176959

Ion Ratio Lower Upper

94 100

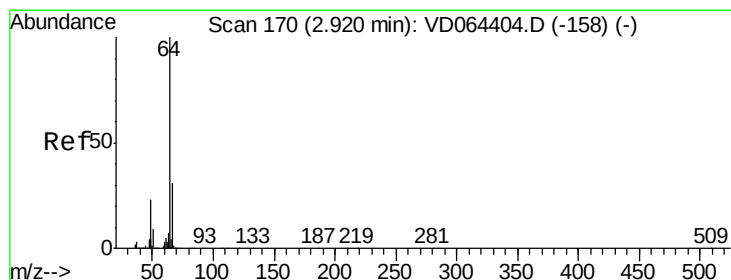
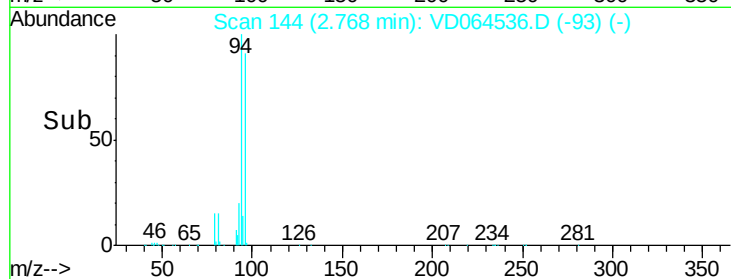
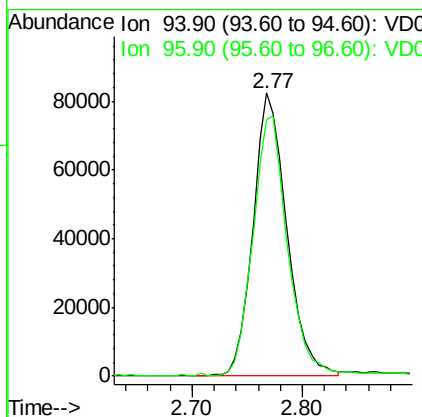
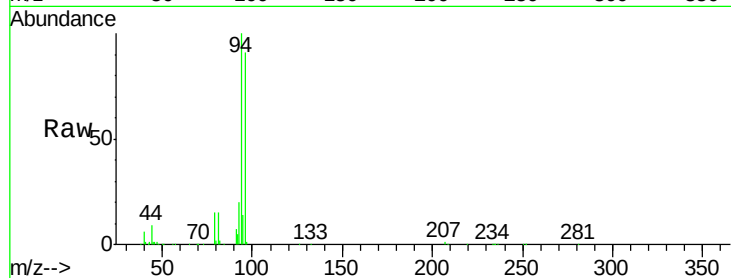
96 90.4 73.6 110.4

Manual Integrations

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#6

Chloroethane

Concen: 49.505 ug/l

RT: 2.93 min Scan# 171

Delta R.T. 0.01 min

Lab File: VD064536.D

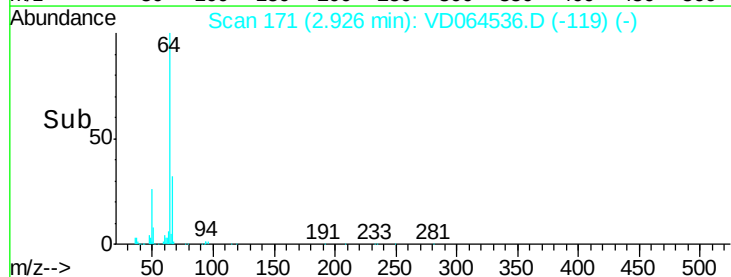
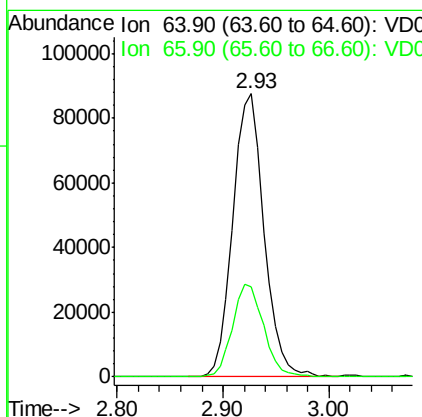
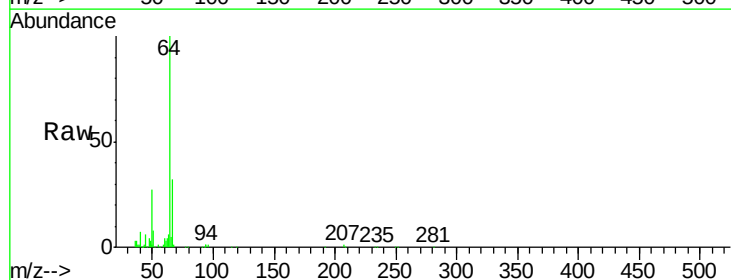
Acq: 17 Dec 2019 10:36

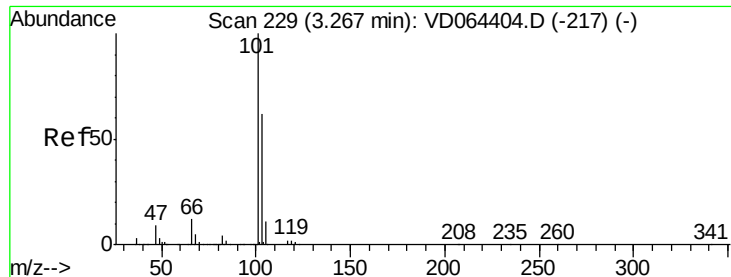
Tgt Ion: 64 Resp: 178824

Ion Ratio Lower Upper

64 100

66 32.0 24.6 37.0





#7

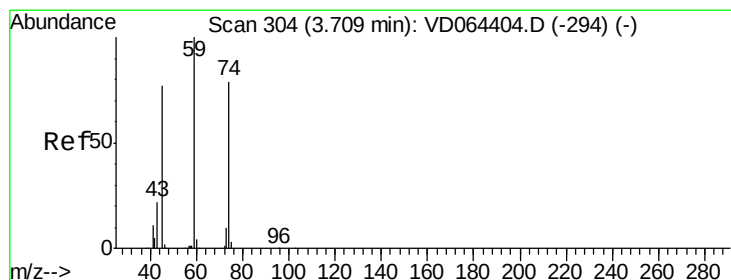
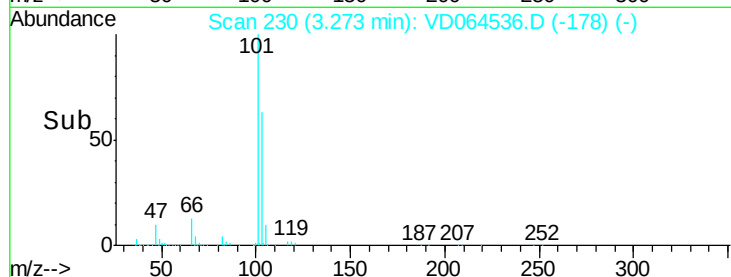
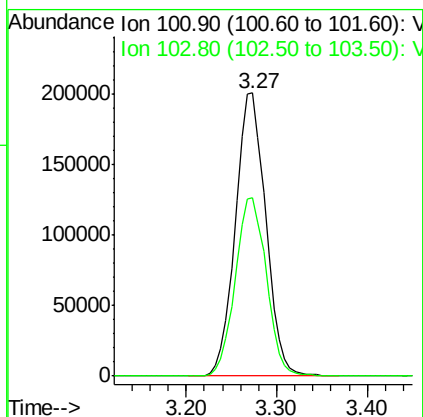
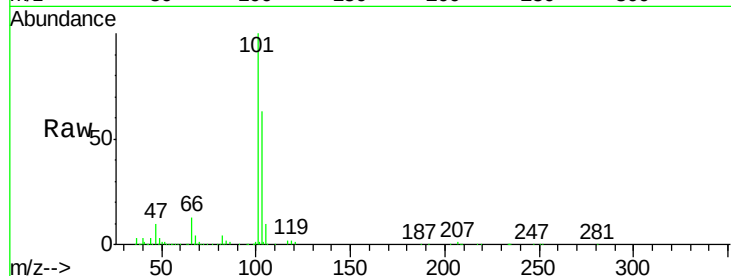
Trichlorofluoromethane
Concen: 52.145 ug/l
RT: 3.27 min Scan# 230
Delta R.T. 0.01 min
Lab File: VD064536.D
Acq: 17 Dec 2019 10:36

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Tot Ion	Ratio	Resp	Lower	Upper
101	100	468486		
103	63.2	49.8	74.6	

Manual Integrations
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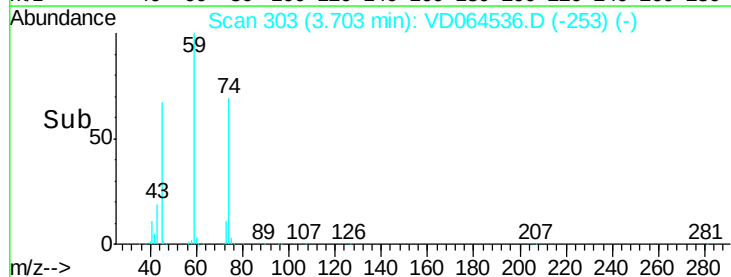
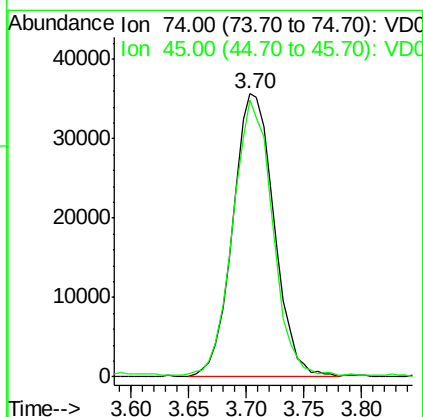
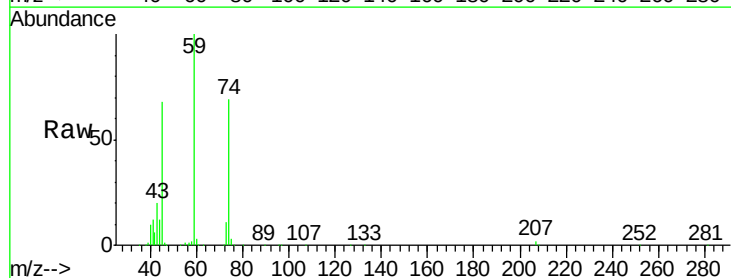
MMDadoda
12/18/2019 1:00:37 PM

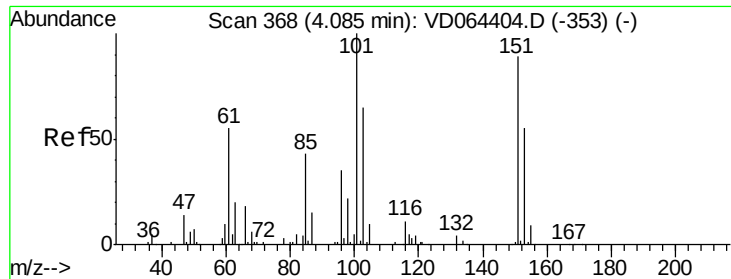


#8

Diethyl Ether
Concen: 47.469 ug/l
RT: 3.70 min Scan# 303
Delta R.T. -0.01 min
Lab File: VD064536.D
Acq: 17 Dec 2019 10:36

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	88622		
45	93.0	48.6	145.9	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.395 ug/l

RT: 4.09 min Scan# 368

Delta R.T. 0.00 min

Lab File: VD064536.D

Acq: 17 Dec 2019 10:36

Instrument :

MSVOA_D

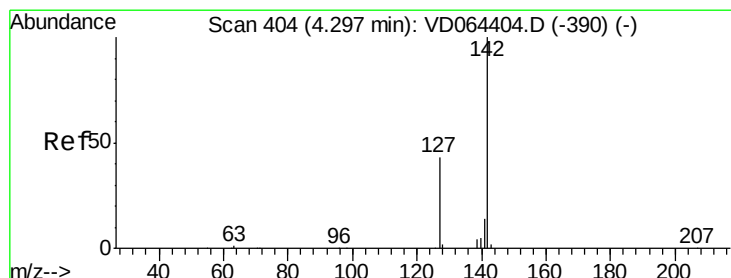
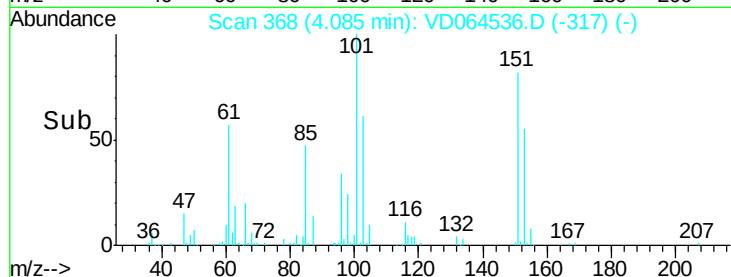
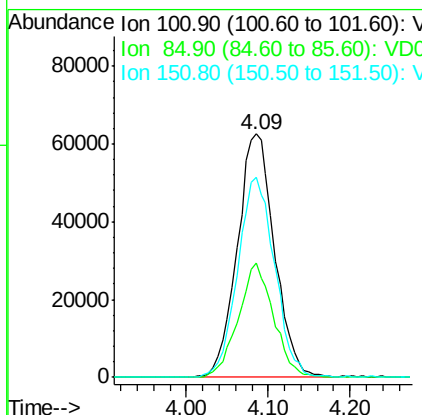
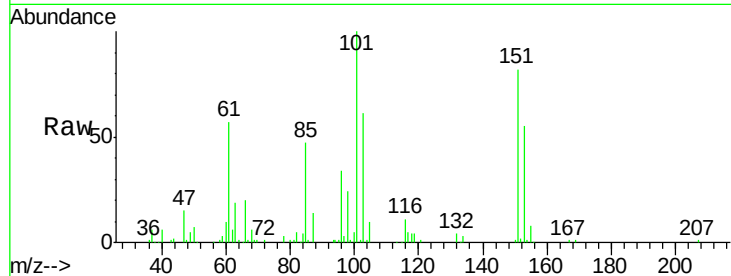
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	197982
Ion Ratio	Lower	Upper	
101	100		
85	44.3	34.8	52.2
151	81.9	68.8	103.2

Manual Integrations
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#10

Methyl Iodide

Concen: 50.884 ug/l

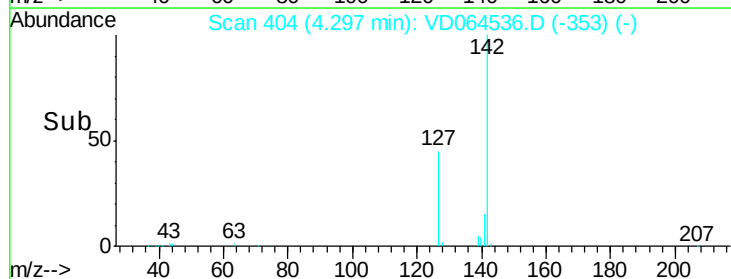
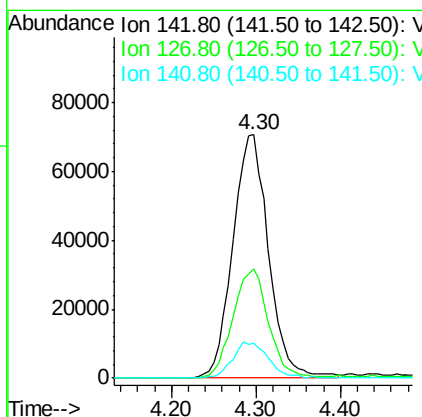
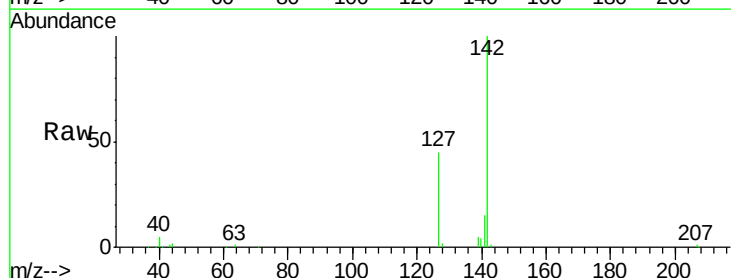
RT: 4.30 min Scan# 404

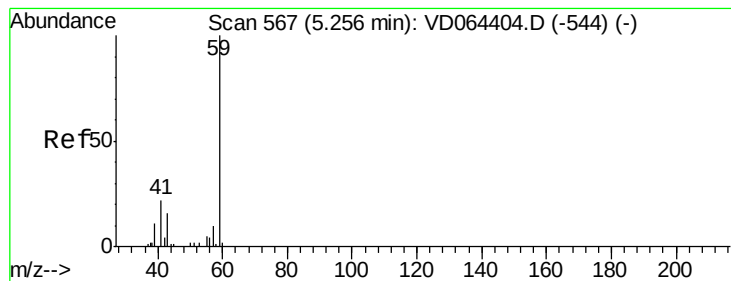
Delta R.T. 0.00 min

Lab File: VD064536.D

Acq: 17 Dec 2019 10:36

Tgt Ion:	142	Resp:	206997
Ion Ratio	Lower	Upper	
142	100		
127	44.4	35.3	52.9
141	14.9	11.6	17.4





#11

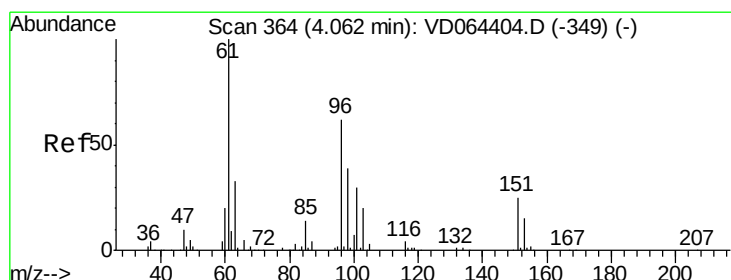
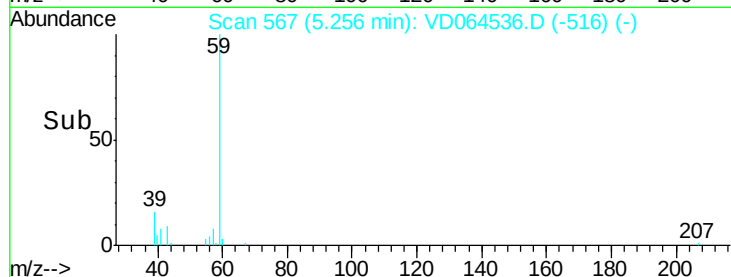
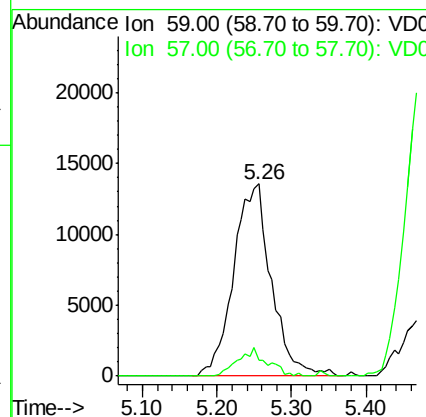
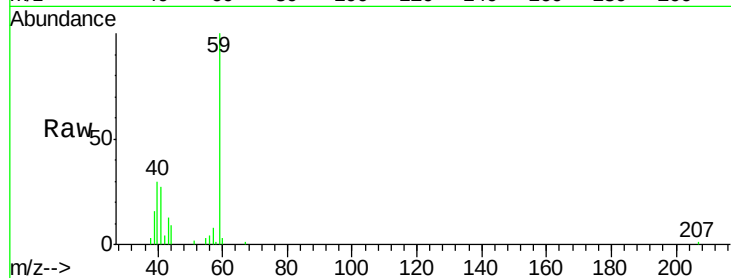
Tert butyl alcohol
Concen: 201.840 ug/l
RT: 5.26 min Scan# 567
Delta R.T. 0.00 min
Lab File: VD064536.D
Acq: 17 Dec 2019 10:36

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 59 Resp: 47630
Ion Ratio Lower Upper
59 100
57 11.3 0.0 0.0#

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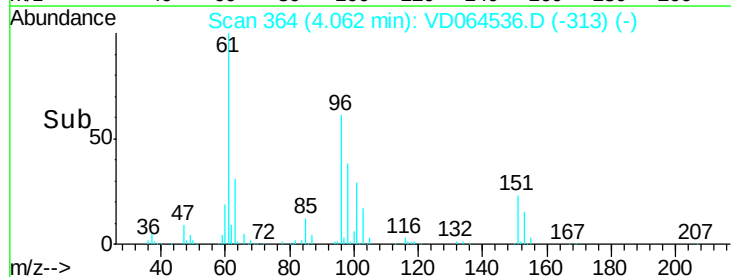
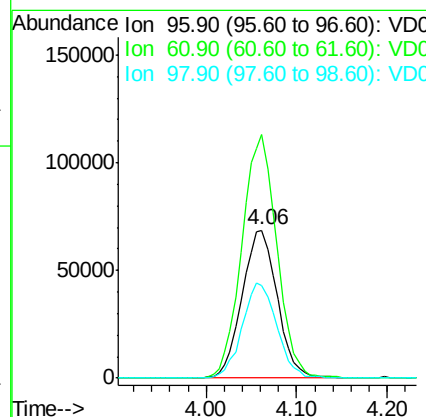
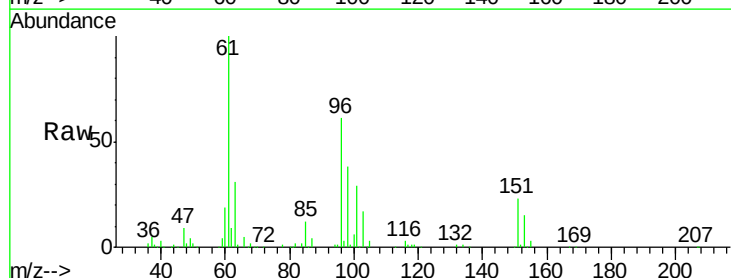
MMDadoda
12/18/2019 1:00:37 PM

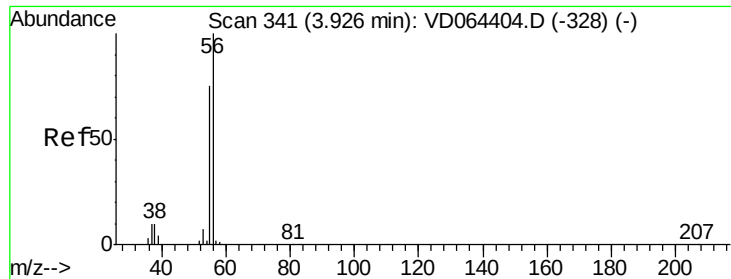


#12

1,1-Dichloroethene
Concen: 50.198 ug/l
RT: 4.06 min Scan# 364
Delta R.T. 0.00 min
Lab File: VD064536.D
Acq: 17 Dec 2019 10:36

Tgt Ion: 96 Resp: 185310
Ion Ratio Lower Upper
96 100
61 164.6 128.2 192.4
98 62.3 50.4 75.6





#13

Acrolein

Concen: 222.139 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD064536.D

Acq: 17 Dec 2019 10:36

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 71500

Ion Ratio Lower Upper

56 100

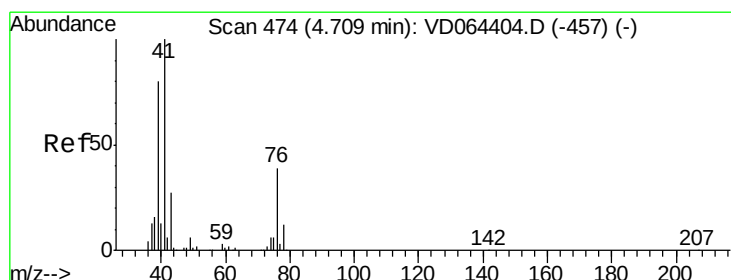
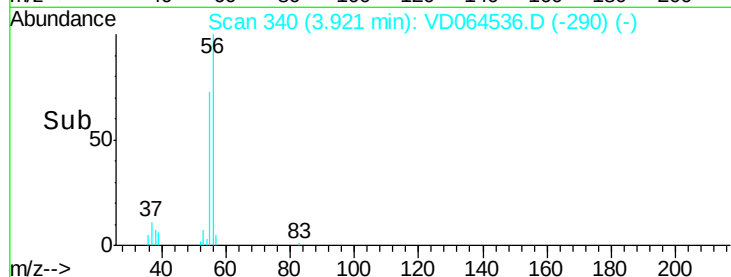
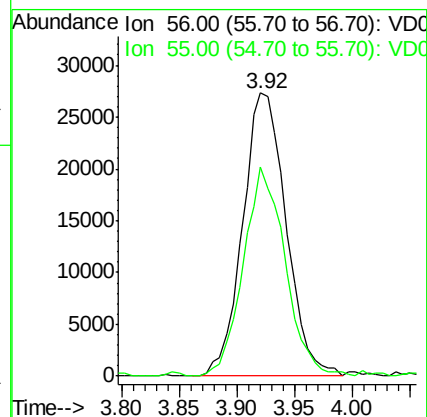
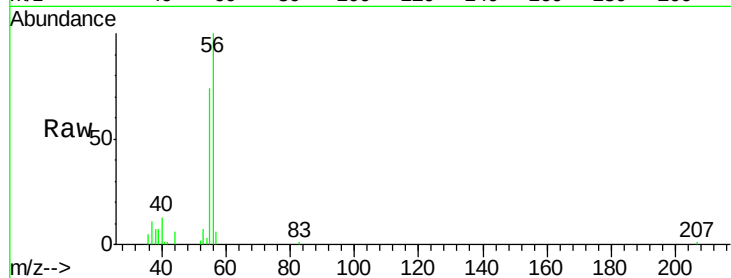
55 70.9 56.9 85.3

Manual Integrations

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#14

Allyl chloride

Concen: 49.964 ug/l

RT: 4.71 min Scan# 474

Delta R.T. 0.00 min

Lab File: VD064536.D

Acq: 17 Dec 2019 10:36

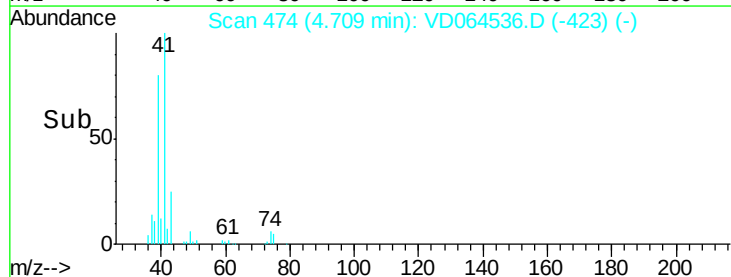
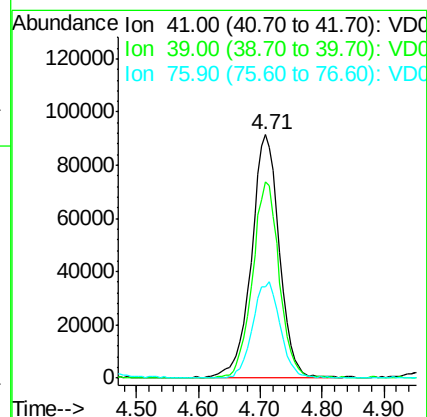
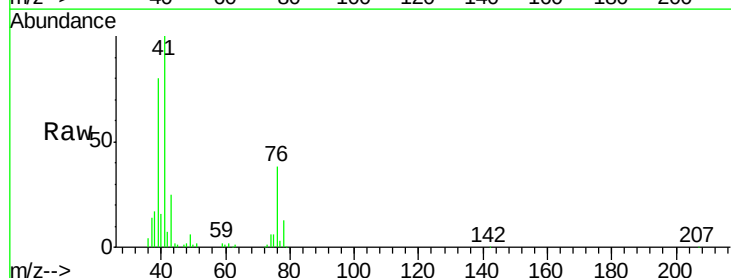
Tgt Ion: 41 Resp: 287856

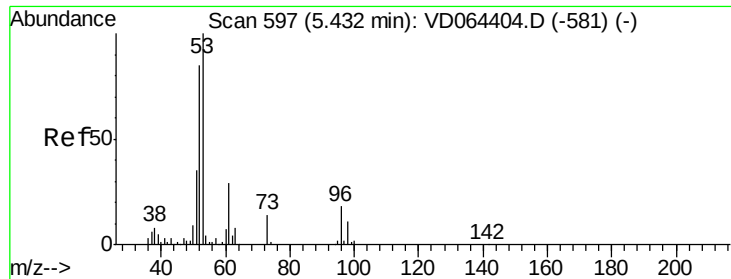
Ion Ratio Lower Upper

41 100

39 76.6 62.1 93.1

76 38.9 29.8 44.8





#15

Acrylonitrile

Concen: 226.695 ug/l

RT: 5.43 min Scan# 597

Delta R.T. 0.00 min

Lab File: VD064536.D

Acq: 17 Dec 2019 10:36

Instrument :

MSVOA_D

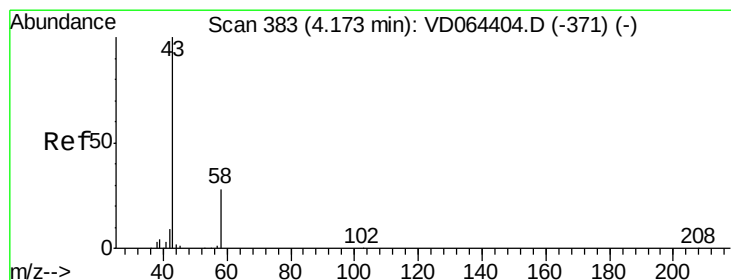
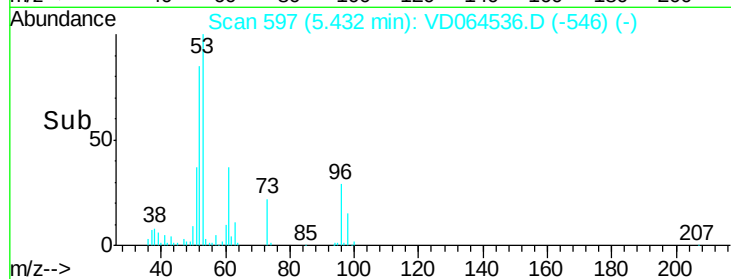
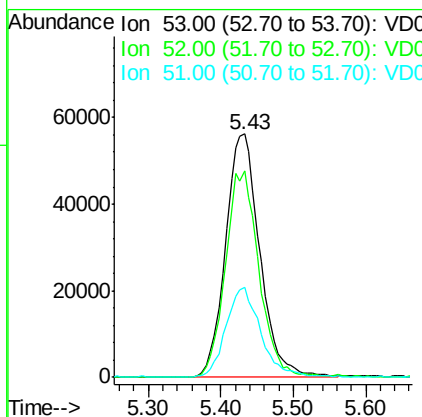
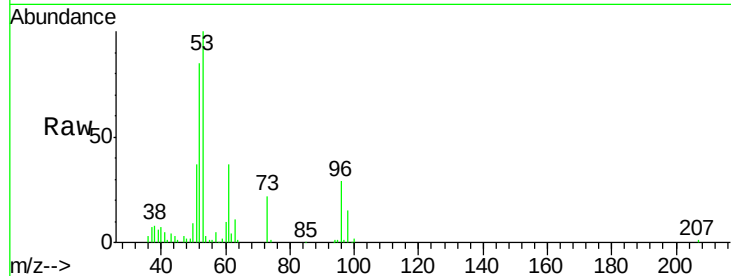
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	185071
Ion Ratio	Lower	Upper	
53	100		
52	83.0	67.9	101.9
51	37.5	30.6	45.8

Manual Integrations
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#16

Acetone

Concen: 289.228 ug/l

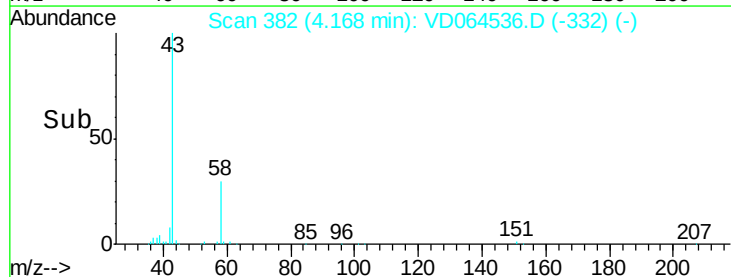
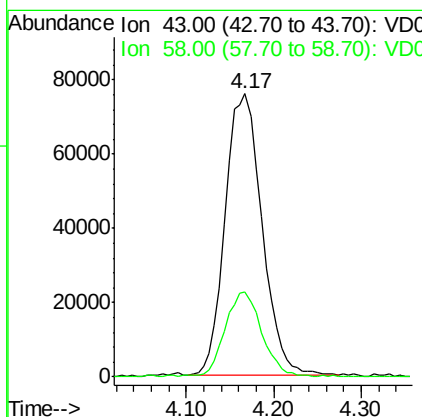
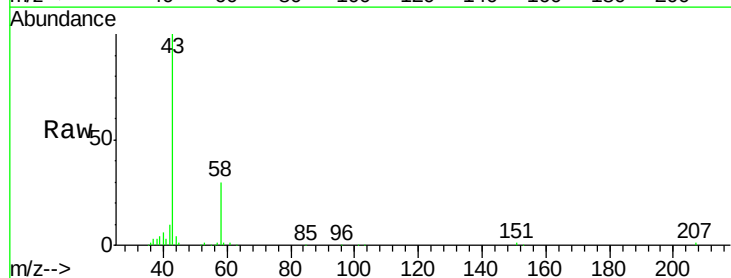
RT: 4.17 min Scan# 382

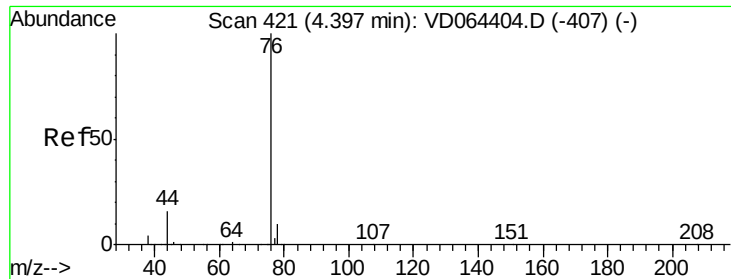
Delta R.T. -0.01 min

Lab File: VD064536.D

Acq: 17 Dec 2019 10:36

Tgt Ion:	43	Resp:	216672
Ion Ratio	Lower	Upper	
43	100		
58	30.1	22.6	33.8





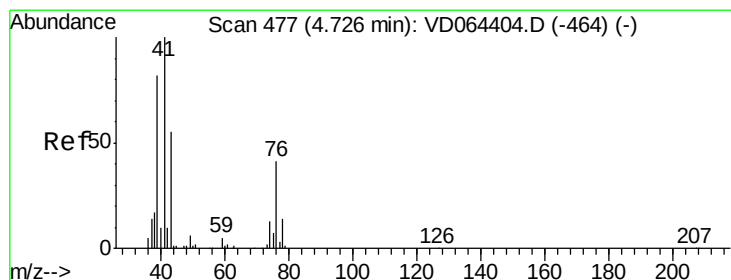
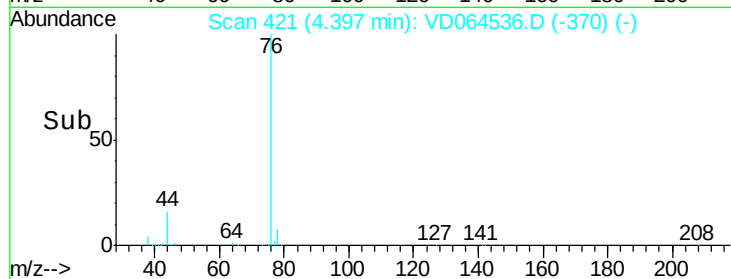
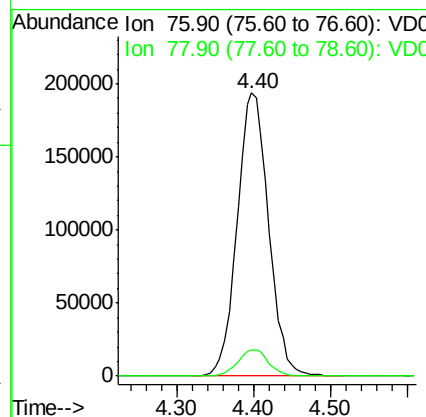
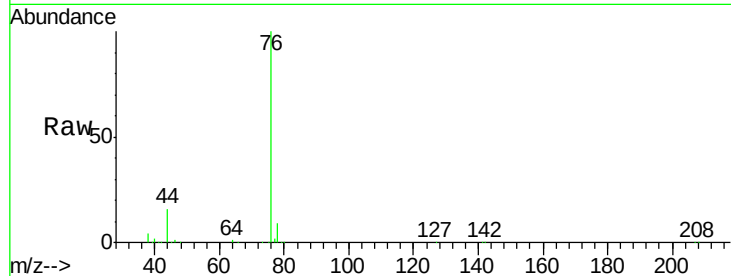
#17
Carbon Disulfide
Concen: 47.256 ug/l
RT: 4.40 min Scan# 421
Delta R.T. 0.00 min
Lab File: VD064536.D
Acq: 17 Dec 2019 10:36

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.8	11.8

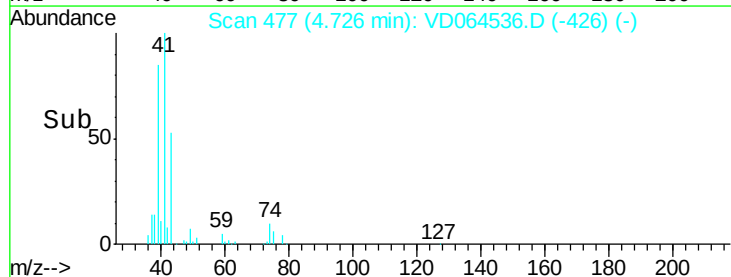
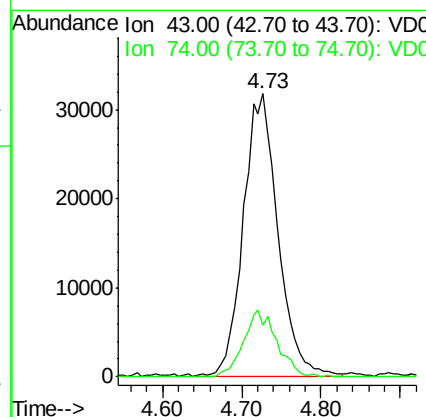
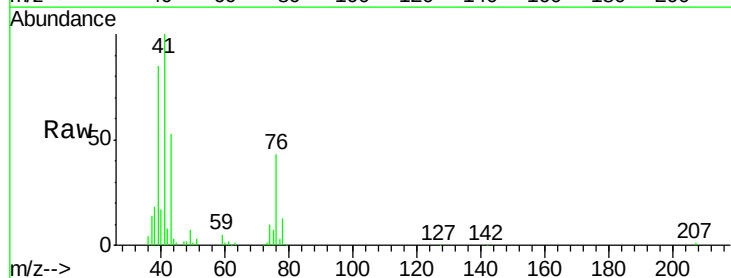
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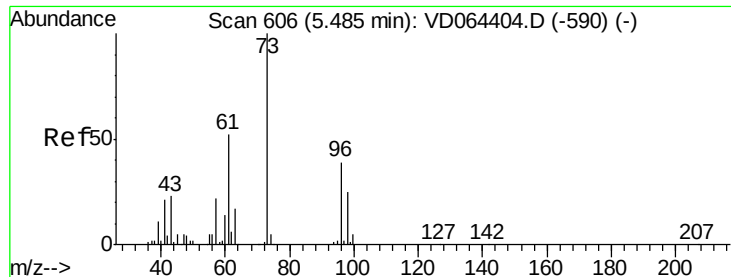
MMDadoda
12/18/2019 1:00:37 PM



#18
Methyl Acetate
Concen: 44.360 ug/l
RT: 4.73 min Scan# 477
Delta R.T. 0.00 min
Lab File: VD064536.D
Acq: 17 Dec 2019 10:36

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.5	19.7	29.5





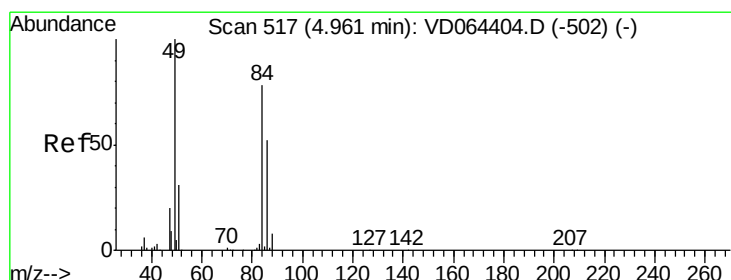
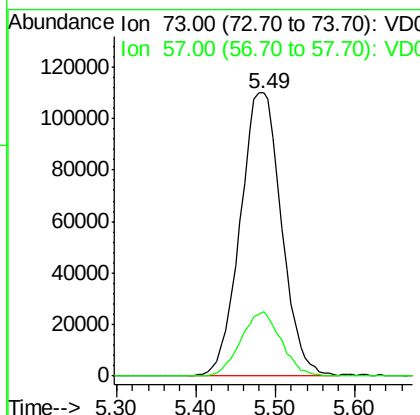
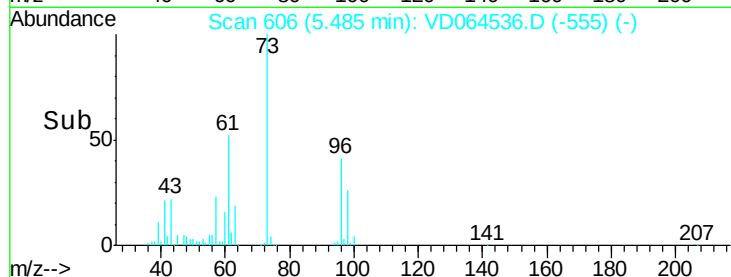
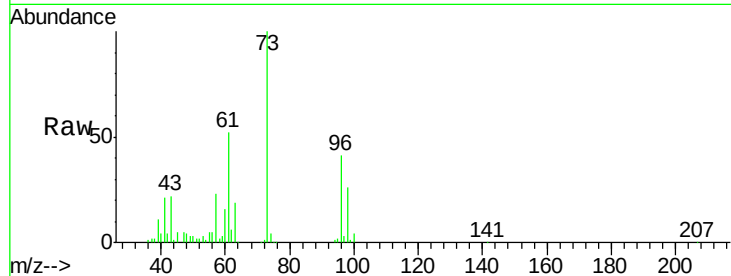
#19
Methyl tert-butyl Ether
Concen: 47.082 ug/l
RT: 5.49 min Scan# 606
Delta R.T. 0.00 min
Lab File: VD064536.D
Acq: 17 Dec 2019 10:36

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 398693
Ion Ratio Lower Upper
73 100
57 23.0 17.6 26.4

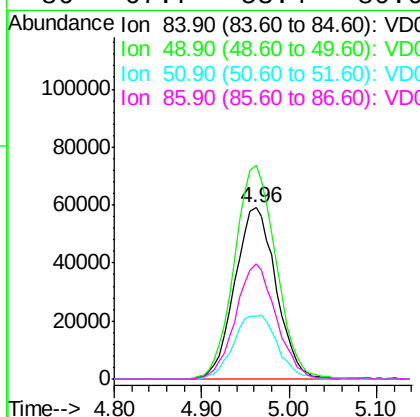
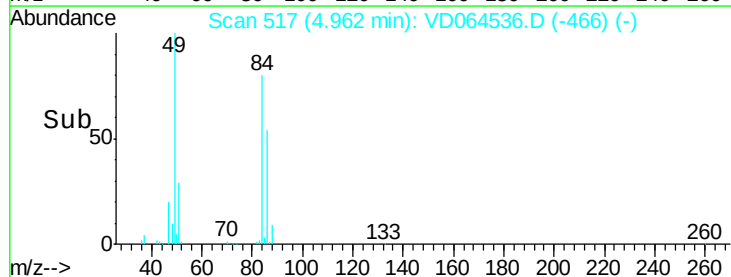
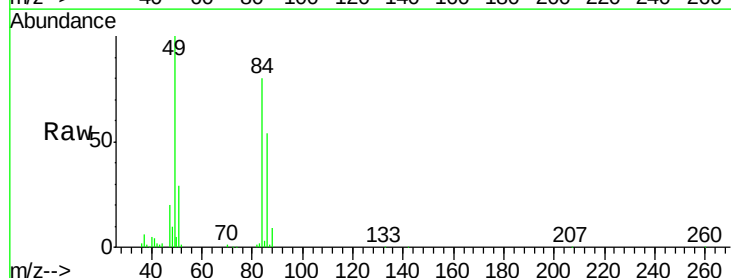
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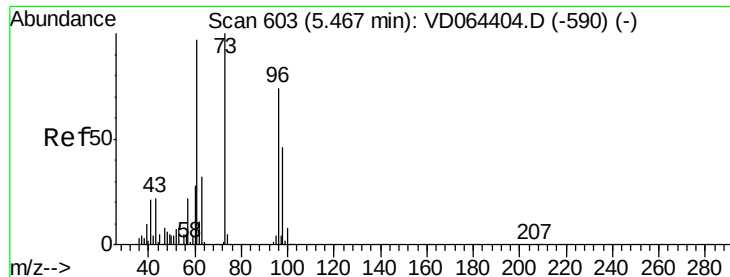
MMDadoda
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#20
Methylene Chloride
Concen: 49.761 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD064536.D
Acq: 17 Dec 2019 10:36

Tgt Ion: 84 Resp: 189491
Ion Ratio Lower Upper
84 100
49 124.8 102.6 153.8
51 36.5 32.0 48.0
86 67.7 53.4 80.0





#21

trans-1,2-Dichloroethene

Concen: 49.827 ug/l

RT: 5.46 min Scan# 602

Delta R.T. -0.01 min

Lab File: VD064536.D

Acq: 17 Dec 2019 10:36

Instrument :

MSVOA_D

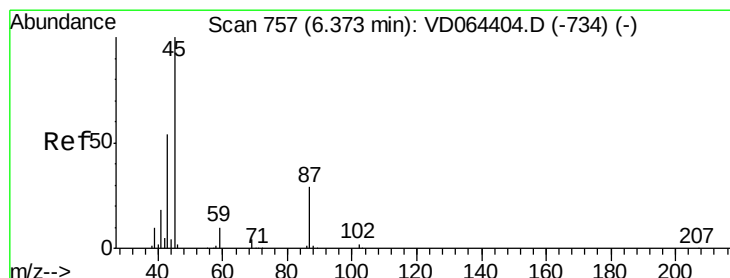
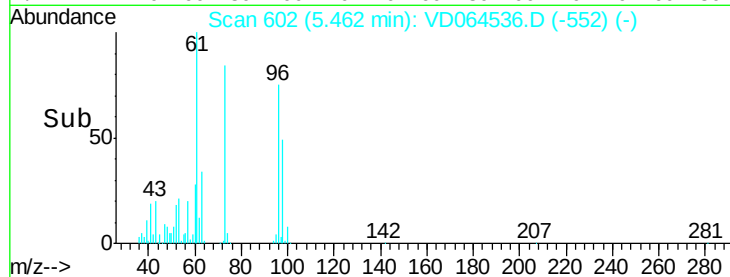
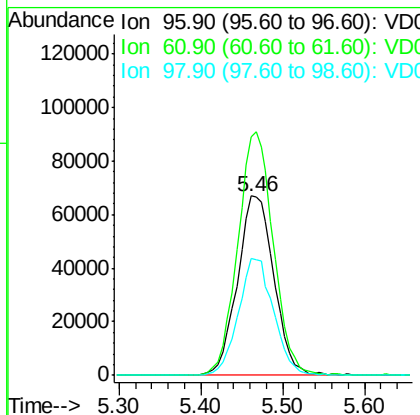
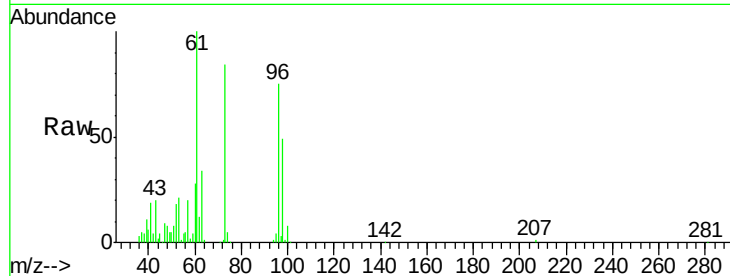
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	208065
Ion Ratio	Lower	Upper	
96	100		
61	132.7	105.8	158.6
98	65.4	50.1	75.1

Manual Integrations
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#22

Diisopropyl ether

Concen: 50.064 ug/l

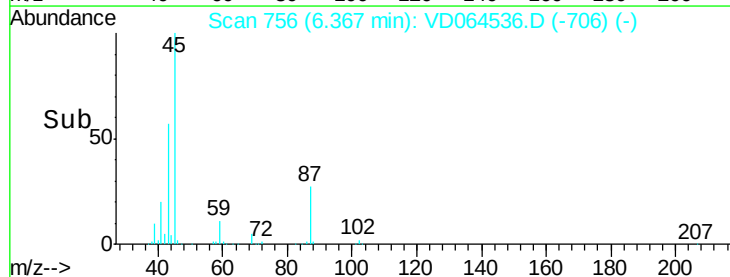
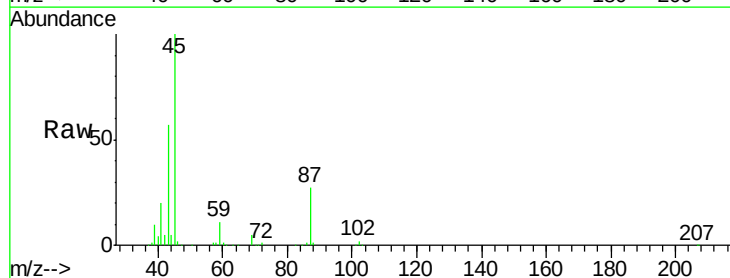
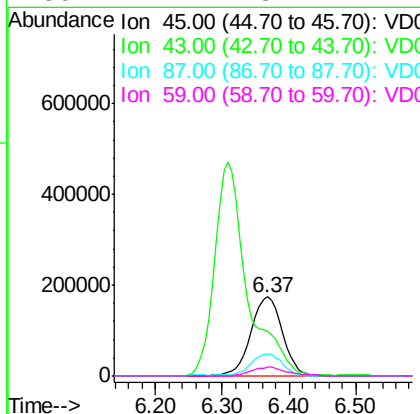
RT: 6.37 min Scan# 756

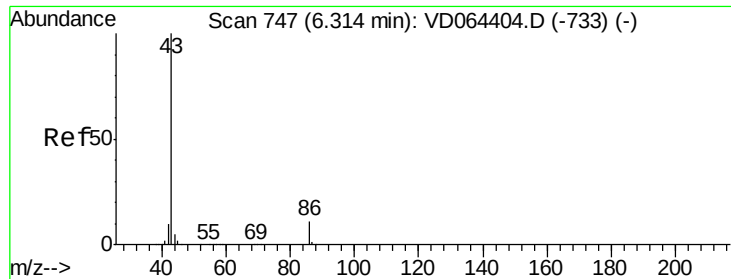
Delta R.T. -0.01 min

Lab File: VD064536.D

Acq: 17 Dec 2019 10:36

Tgt Ion:	45	Resp:	569392
Ion Ratio	Lower	Upper	
45	100		
43	56.0	43.1	64.7
87	27.1	23.5	35.3
59	11.2	8.2	12.2





#23

Vinyl Acetate

Concen: 241.290 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.01 min

Lab File: VD064536.D

Acq: 17 Dec 2019 10:36

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1617843

Ion Ratio Lower Upper

43 100

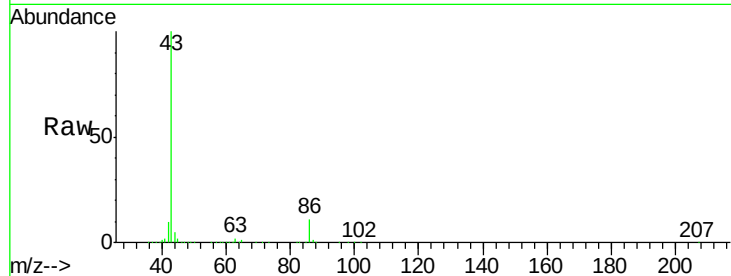
86 11.4 8.9 13.3

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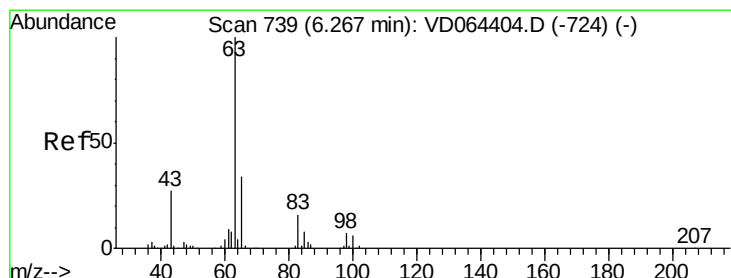
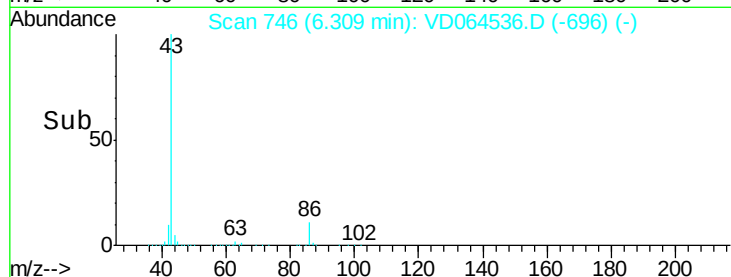
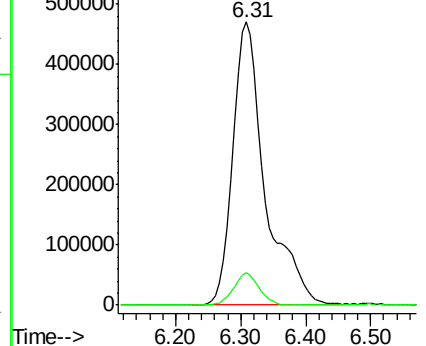
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 50.973 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.00 min

Lab File: VD064536.D

Acq: 17 Dec 2019 10:36

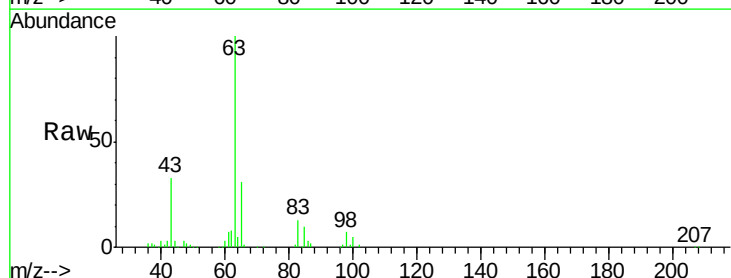
Tgt Ion: 63 Resp: 348645

Ion Ratio Lower Upper

63 100

98 7.5 3.6 10.9

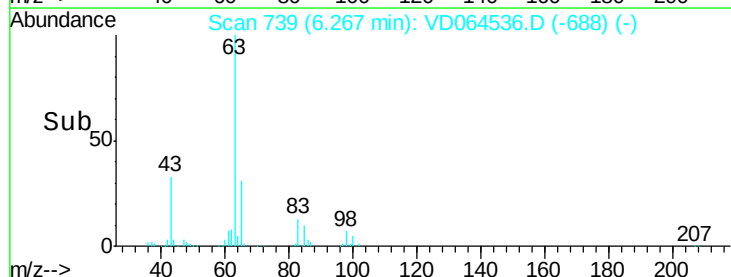
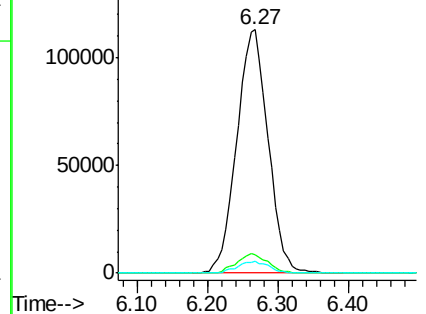
100 4.8 2.9 8.6

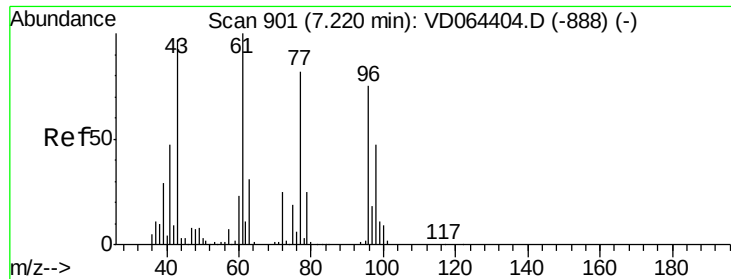


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 234.076 ug/l

RT: 7.22 min Scan# 901

Delta R.T. 0.00 min

Lab File: VD064536.D

Acq: 17 Dec 2019 10:36

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 247989

Ion Ratio Lower Upper

43 100

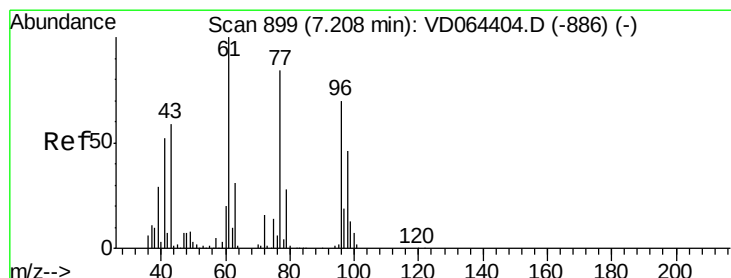
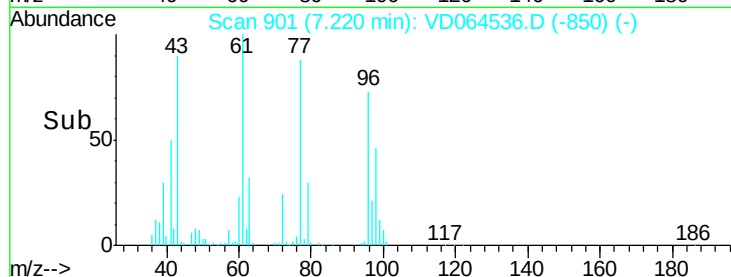
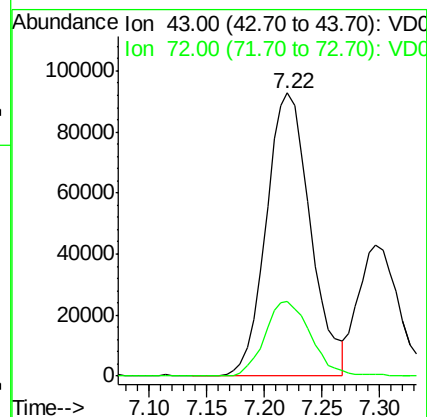
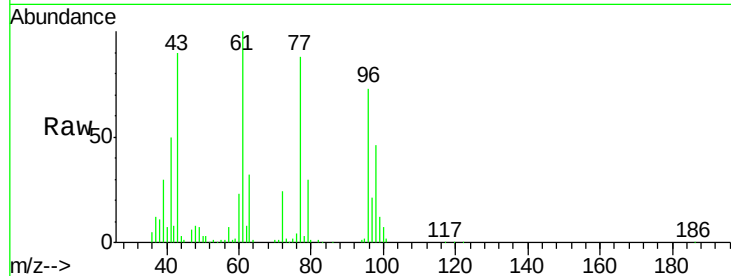
72 26.2 21.0 31.4

Manual Integrations

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MMDadoda

12/18/2019 1:00:37 PM



#26

2,2-Dichloropropane

Concen: 54.430 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD064536.D

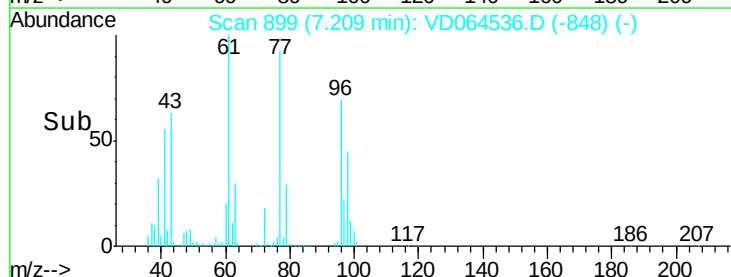
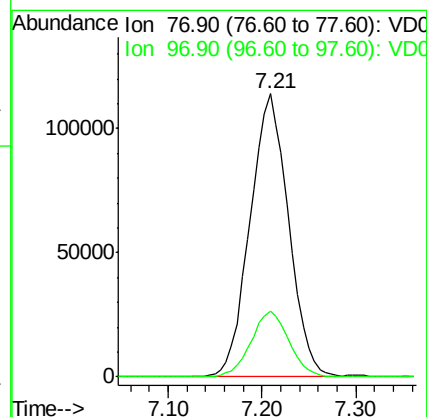
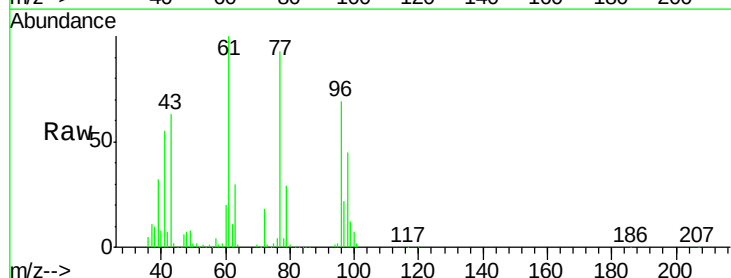
Acq: 17 Dec 2019 10:36

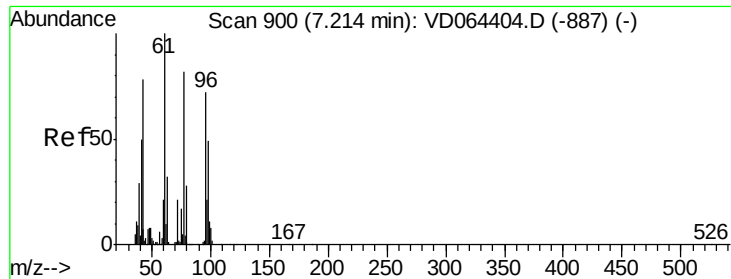
Tgt Ion: 77 Resp: 323760

Ion Ratio Lower Upper

77 100

97 22.8 11.6 34.7





#27

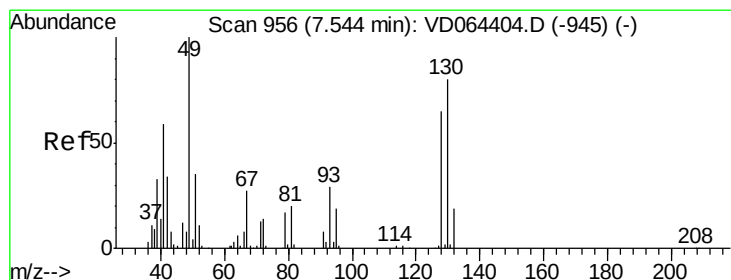
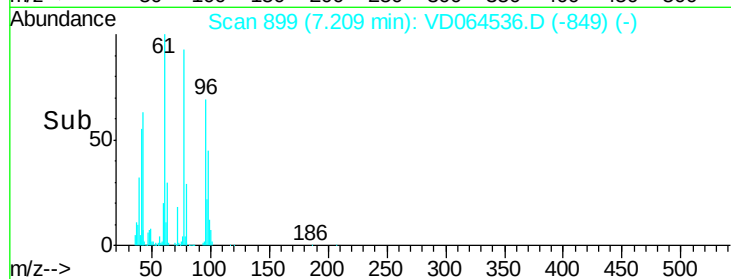
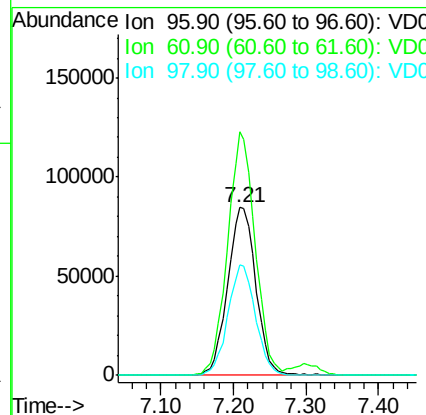
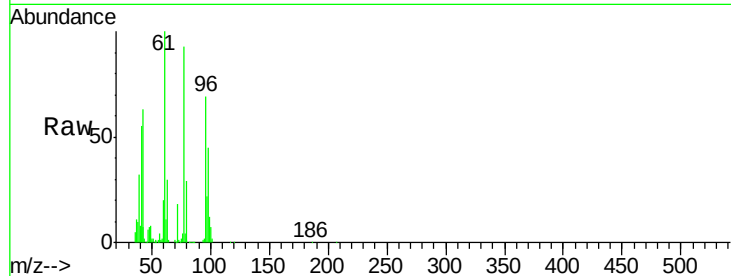
cis-1,2-Dichloroethene
Concen: 50.315 ug/l
RT: 7.21 min Scan# 899
Delta R.T. -0.01 min
Lab File: VD064536.D
Acq: 17 Dec 2019 10:36

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	229060		
61	140.8	0.0	279.6	
98	64.1	0.0	129.2	

Manual Integrations
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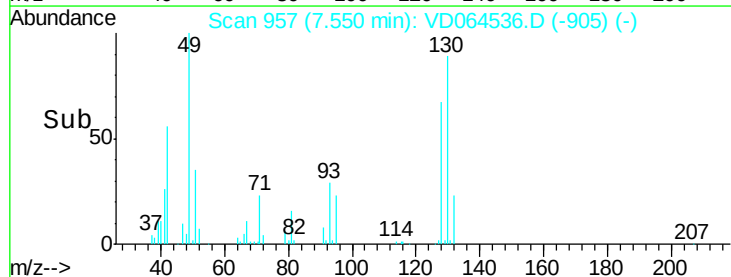
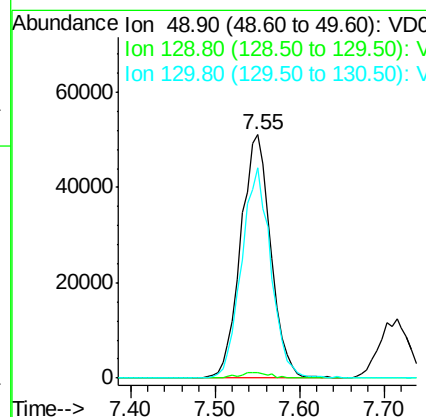
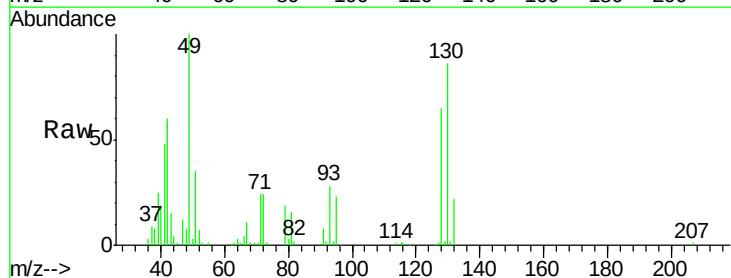
MMDadoda
12/18/2019 1:00:37 PM

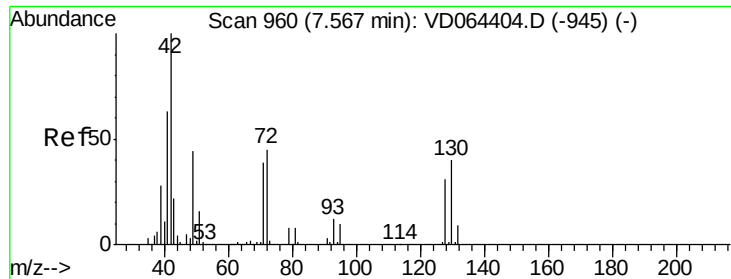


#28

Bromochloromethane
Concen: 53.846 ug/l
RT: 7.55 min Scan# 957
Delta R.T. 0.01 min
Lab File: VD064536.D
Acq: 17 Dec 2019 10:36

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	125864		
129	2.4	0.0	4.4	
130	84.2	67.4	101.0	





#29

Tetrahydrofuran

Concen: 213.969 ug/l

RT: 7.57 min Scan# 960

Delta R.T. 0.00 min

Lab File: VD064536.D

Acq: 17 Dec 2019 10:36

Instrument :

MSVOA_D

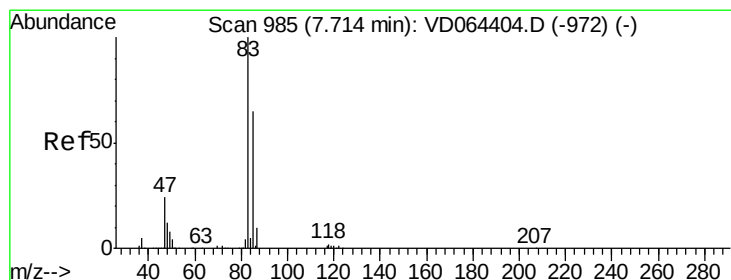
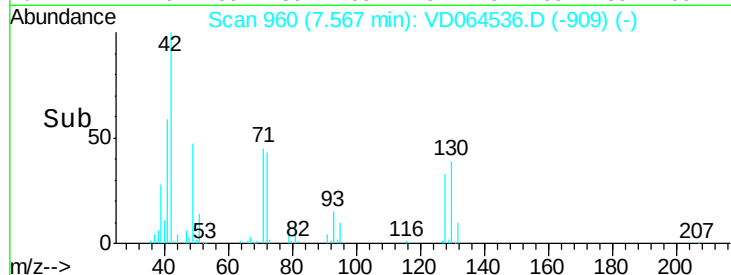
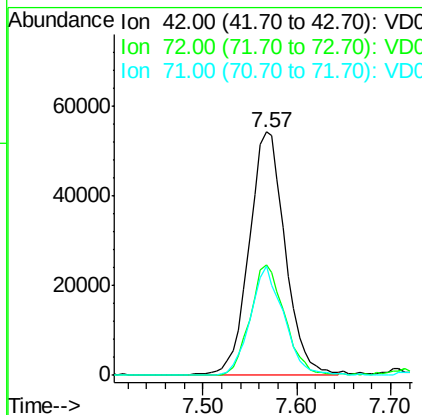
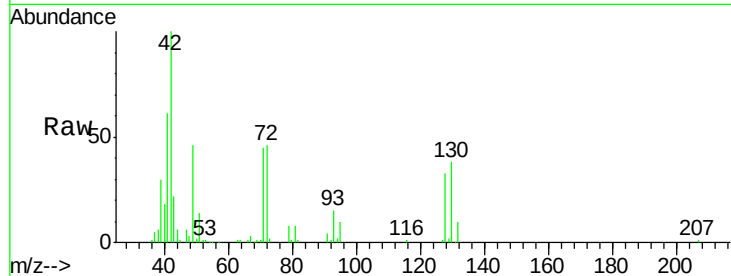
ClientSampleId :

VSTDCCC050

Tot Ion:	42	Resp:	144224
Ion	Ratio	Lower	Upper
42	100		
72	43.7	35.8	53.8
71	41.8	32.7	49.1

Manual Integrations
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#30

Chloroform

Concen: 51.503 ug/l

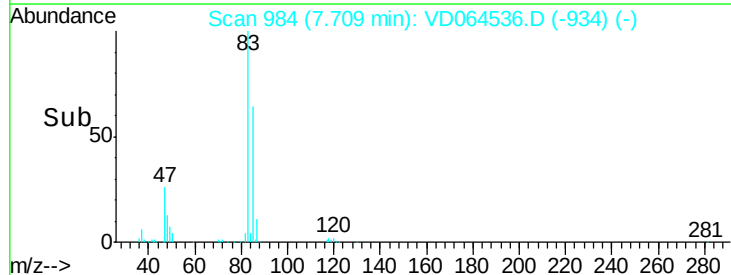
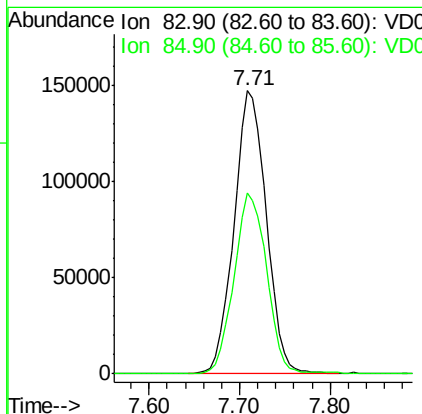
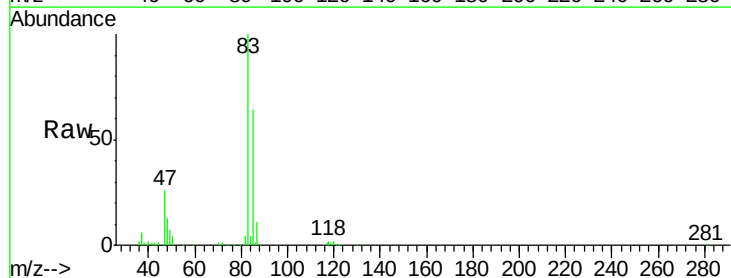
RT: 7.71 min Scan# 984

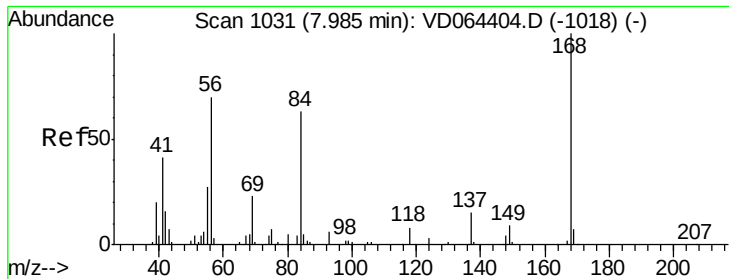
Delta R.T. -0.01 min

Lab File: VD064536.D

Acq: 17 Dec 2019 10:36

Tgt Ion:	83	Resp:	364827
Ion	Ratio	Lower	Upper
83	100		
85	64.0	51.8	77.6





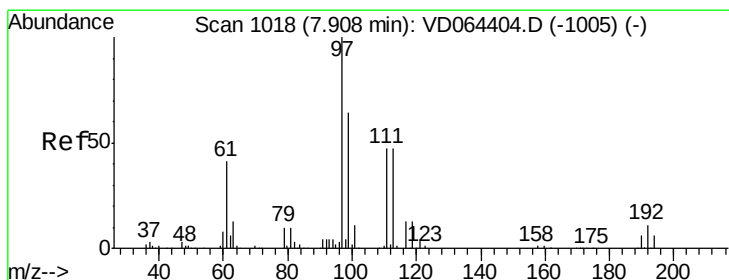
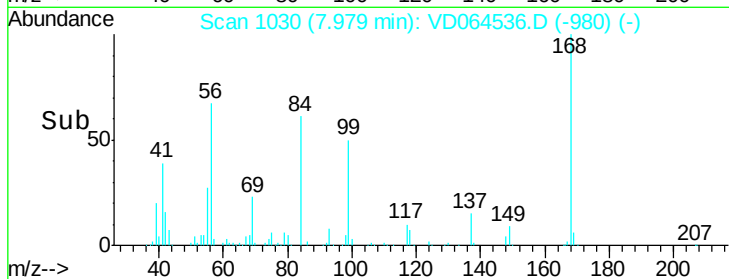
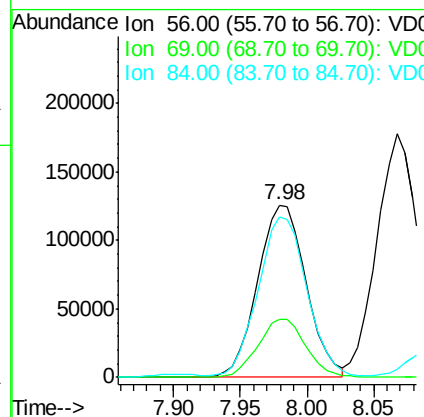
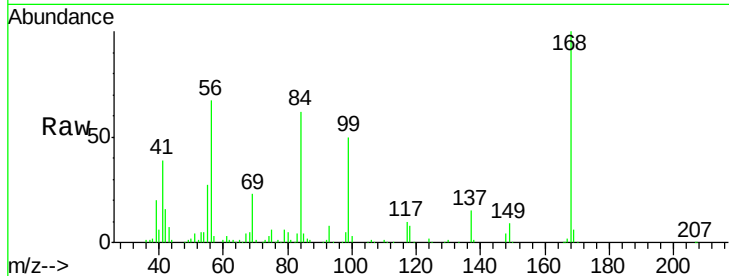
#31
Cyclohexane
Concen: 53.389 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.00 min
Lab File: VD064536.D
Acq: 17 Dec 2019 10:36

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	34.0	26.2	39.4
84	91.1	70.3	105.5

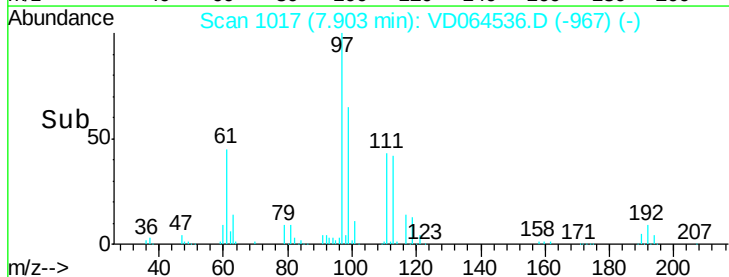
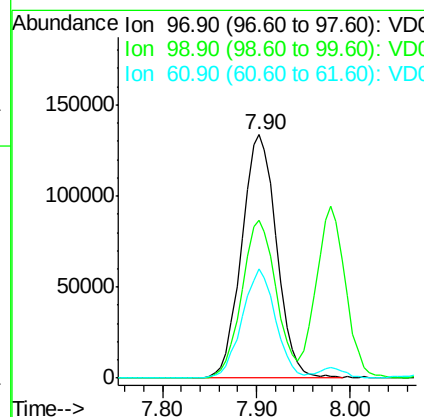
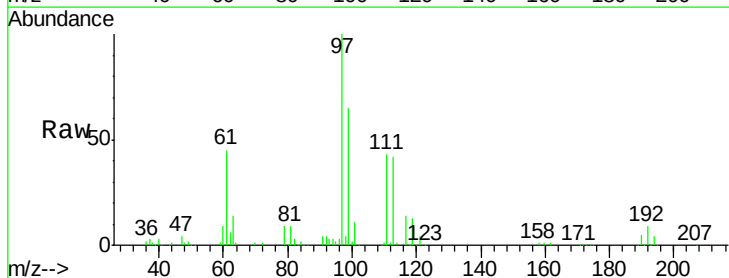
Manual Integrations
APPROVED

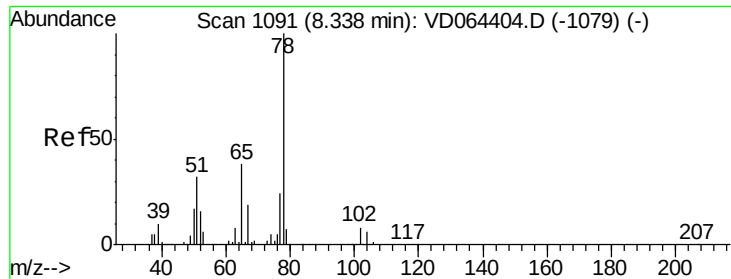
MMDadoda
12/18/2019 1:00:37 PM



#32
1,1,1-Trichloroethane
Concen: 52.311 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VD064536.D
Acq: 17 Dec 2019 10:36

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.2	51.4	77.2
61	42.9	35.0	52.4





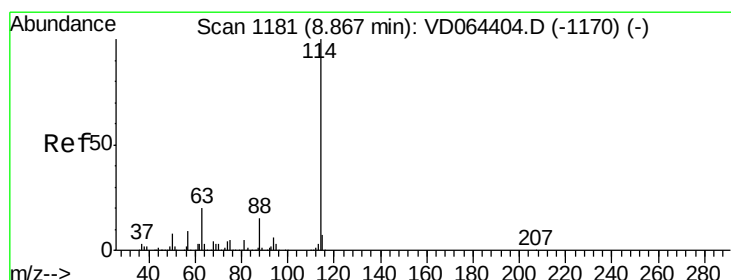
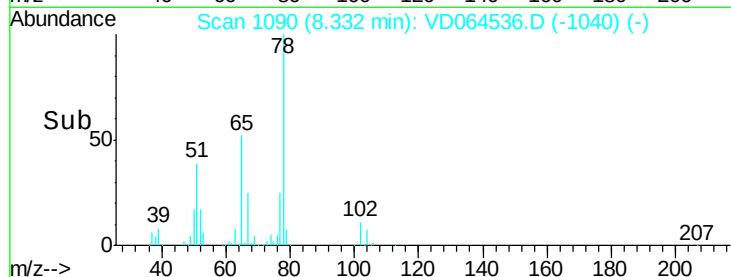
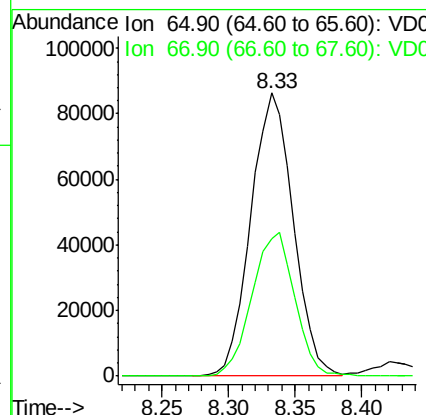
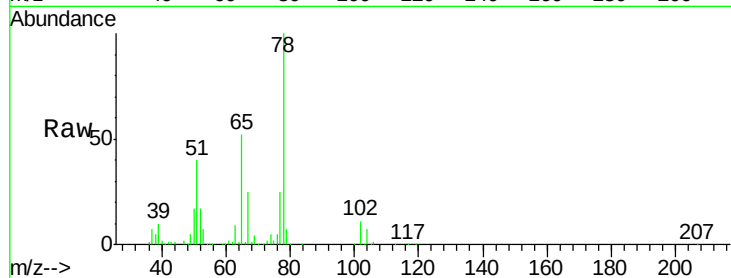
#33
 1,2-Dichloroethane-d4
 Concen: 51.358 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. -0.01 min
 Lab File: VD064536.D
 Acq: 17 Dec 2019 10:36

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	190390		
67	50.9	0.0	102.0	

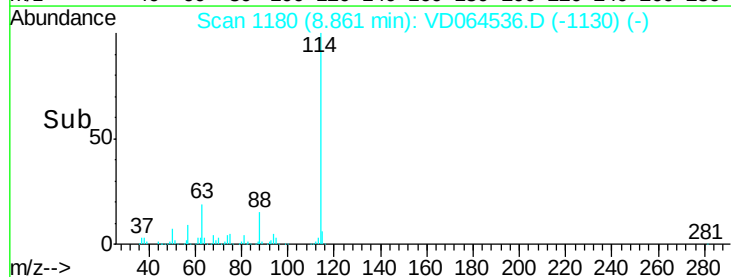
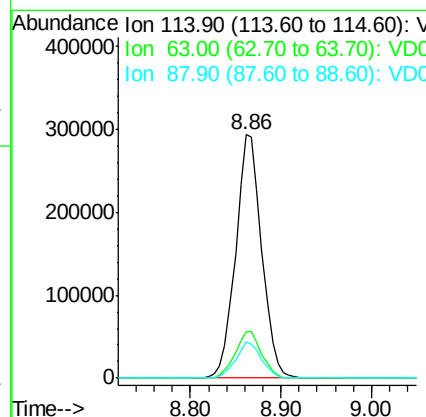
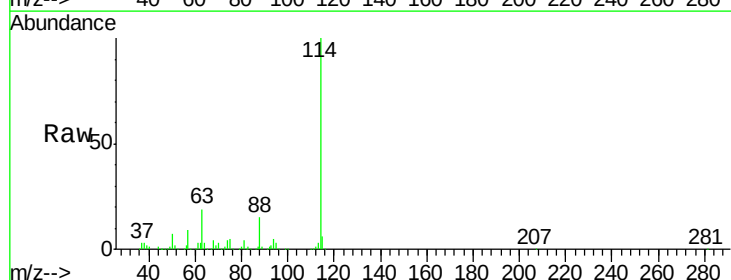
Manual Integrations
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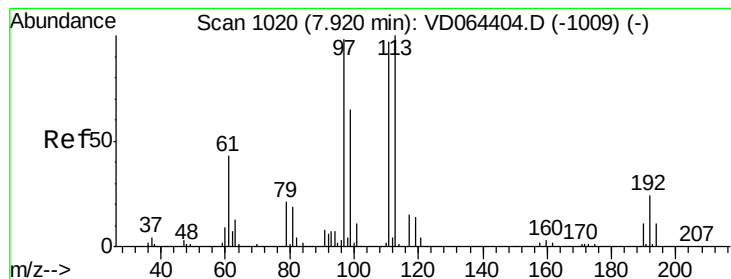
MMDadoda
 12/18/2019 1:00:37 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. -0.01 min
 Lab File: VD064536.D
 Acq: 17 Dec 2019 10:36

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	587382		
63	18.9	0.0	40.0	
88	15.0	0.0	29.2	





#35

Dibromofluoromethane

Concen: 54.857 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. 0.00 min

Lab File: VD064536.D

Acq: 17 Dec 2019 10:36

Instrument :

MSVOA_D

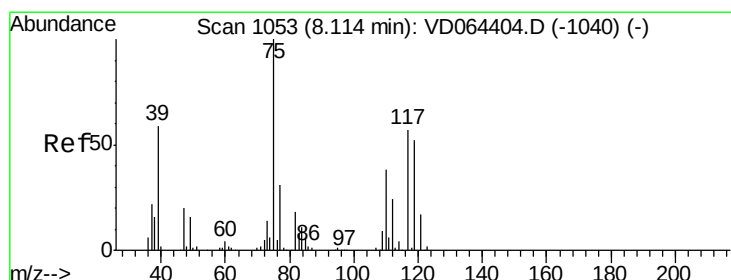
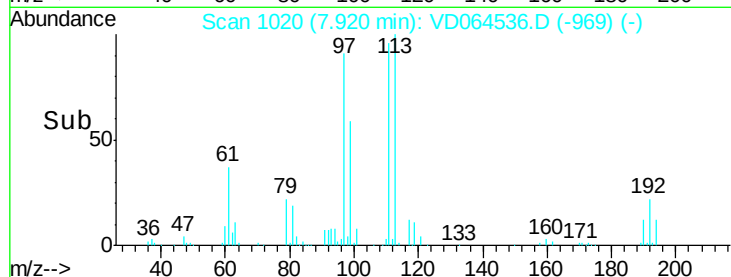
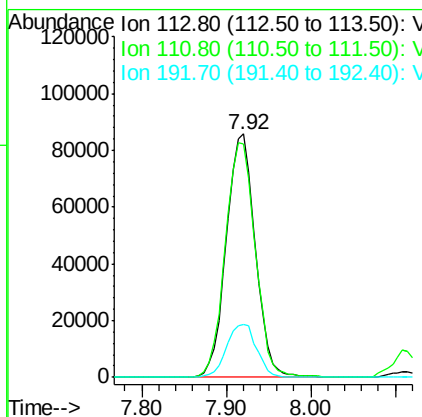
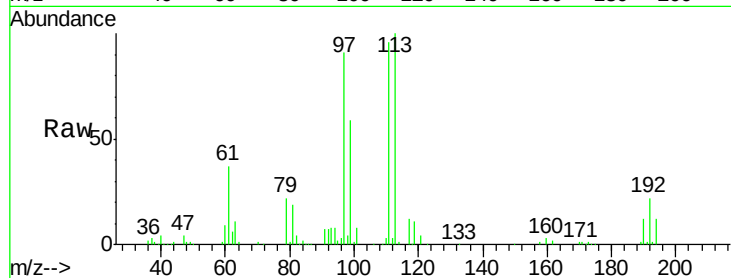
ClientSampleId :

VSTDCCC050

Tot Ion:	113	Resp:	203015
Ion Ratio	Lower	Upper	
113	100		
111	99.9	79.4	119.2
192	22.7	18.6	28.0

Manual Integrations
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12/18/2019 1:00:37 PM



#36

1,1-Dichloropropene

Concen: 51.710 ug/l

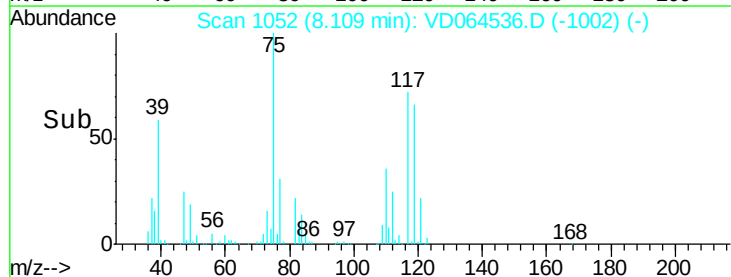
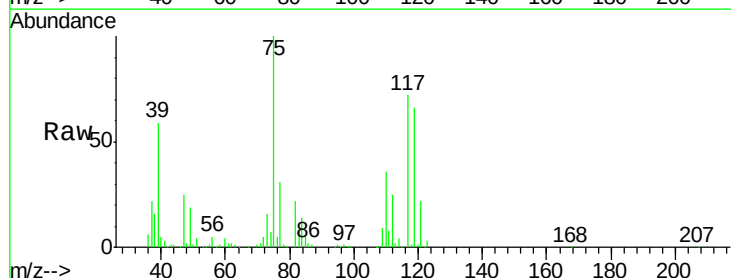
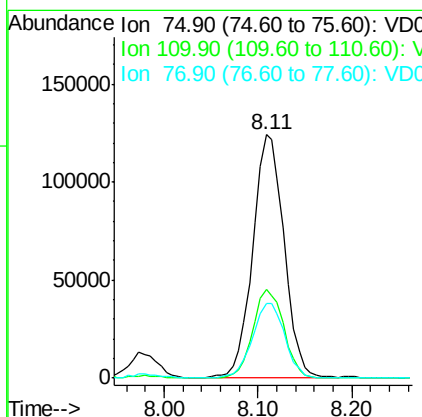
RT: 8.11 min Scan# 1052

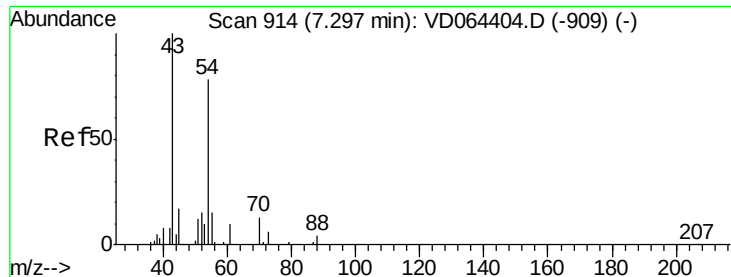
Delta R.T. -0.01 min

Lab File: VD064536.D

Acq: 17 Dec 2019 10:36

Tgt Ion:	75	Resp:	287292
Ion Ratio	Lower	Upper	
75	100		
110	36.1	18.6	55.8
77	31.7	25.0	37.4





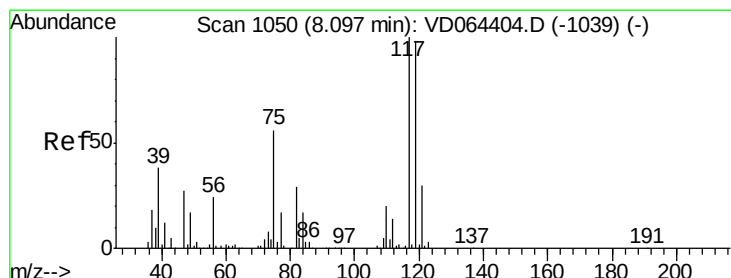
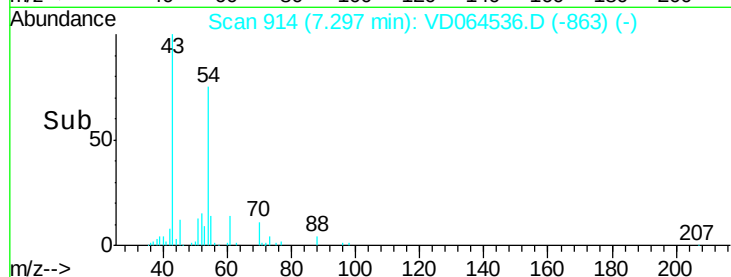
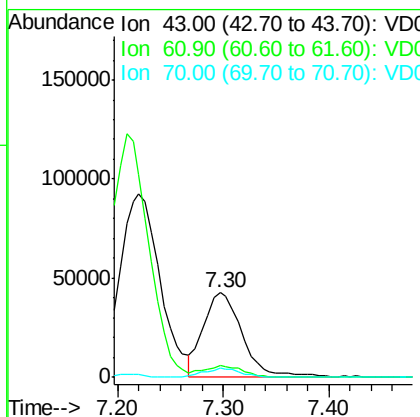
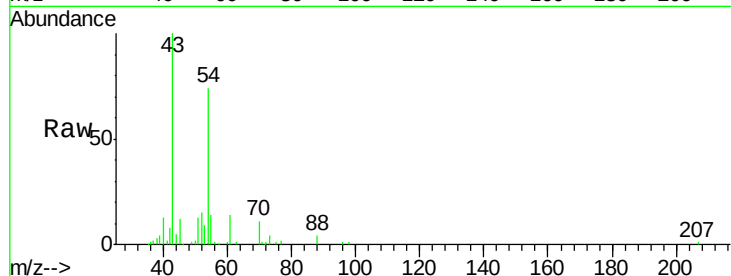
#37
Ethyl Acetate
Concen: 45.550 ug/l
RT: 7.30 min Scan# 914
Delta R.T. 0.00 min
Lab File: VD064536.D
Acq: 17 Dec 2019 10:36

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.4	10.9	16.3
70	10.4	8.3	12.5

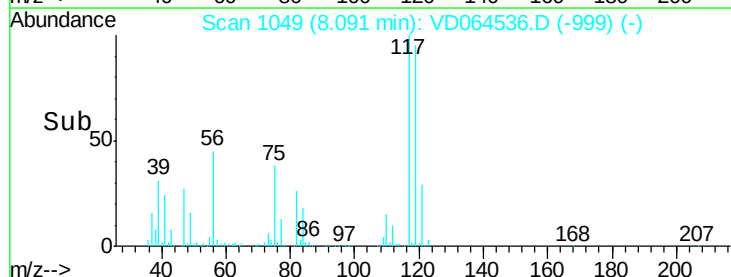
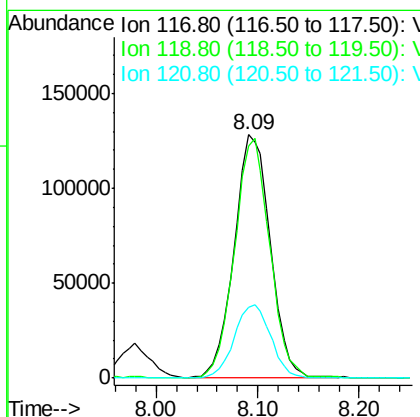
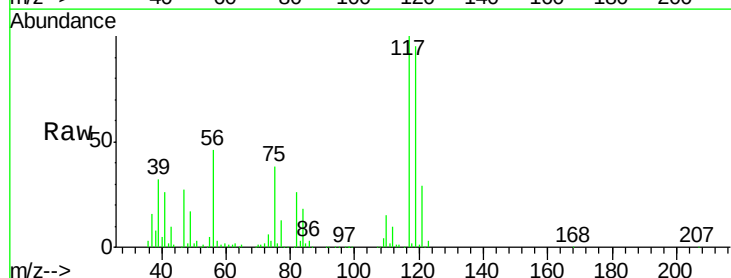
Manual Integrations
APPROVED

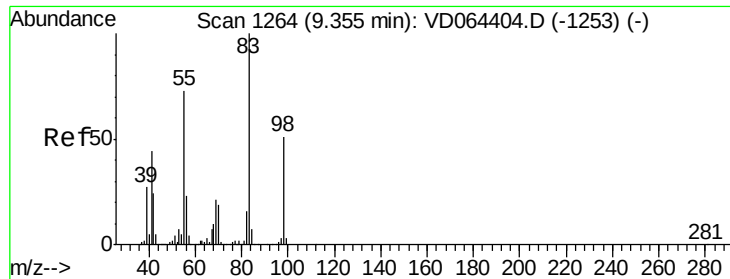
MMDadoda
12/18/2019 1:00:37 PM



#38
Carbon Tetrachloride
Concen: 53.874 ug/l
RT: 8.09 min Scan# 1049
Delta R.T. -0.01 min
Lab File: VD064536.D
Acq: 17 Dec 2019 10:36

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.5	78.8	118.2
121	29.0	24.2	36.2





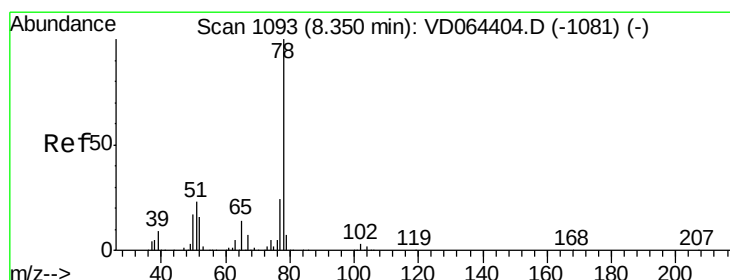
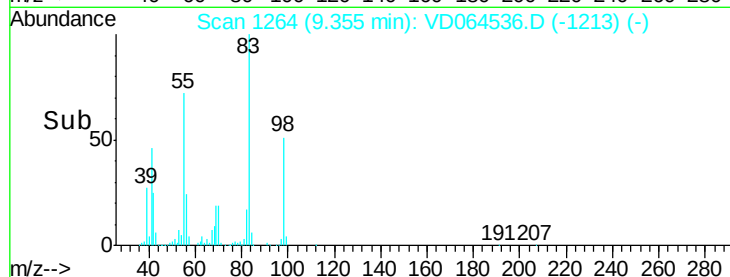
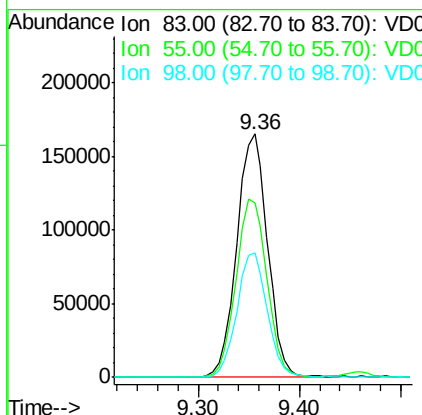
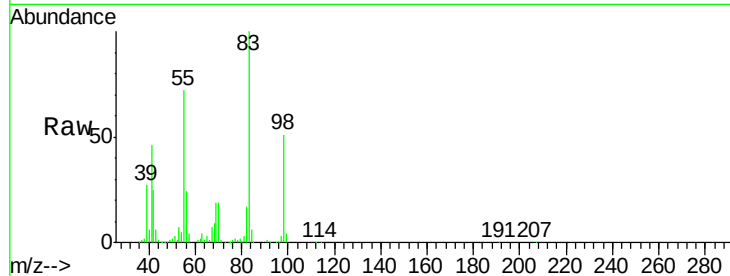
#39
Methylvlcyclohexane
Concen: 50.585 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD064536.D
Acq: 17 Dec 2019 10:36

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	71.8	58.6	87.8
98	51.0	40.9	61.3

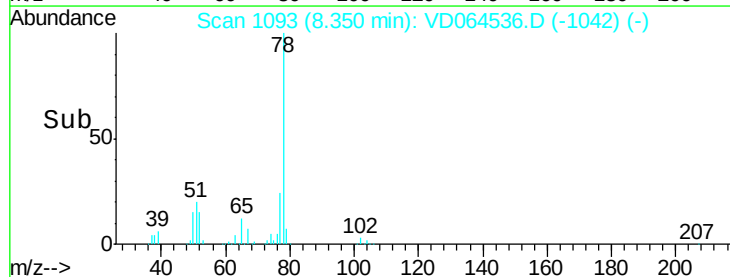
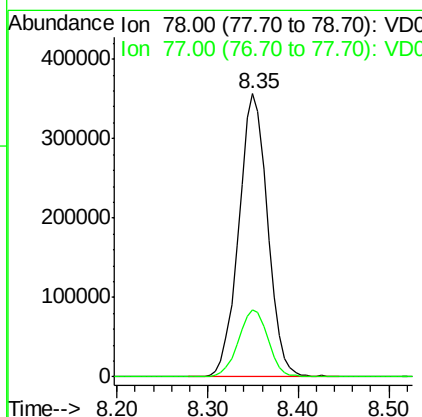
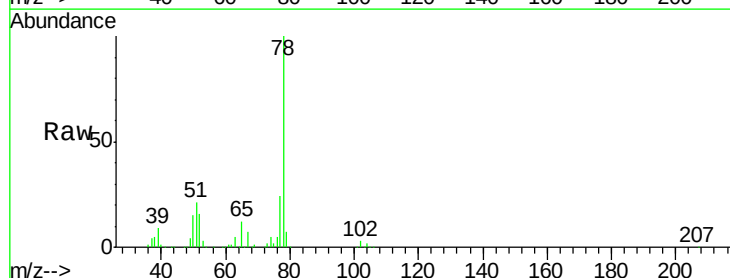
Manual Integrations
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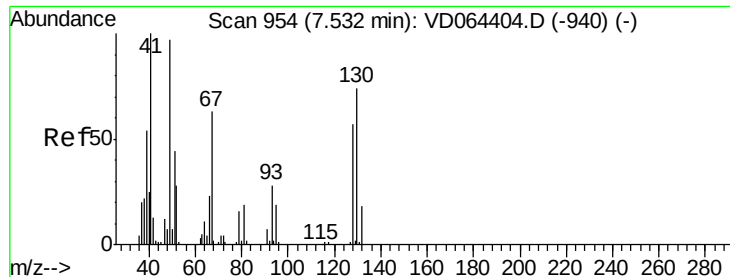
MMDadoda
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#40
Benzene
Concen: 51.017 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. 0.00 min
Lab File: VD064536.D
Acq: 17 Dec 2019 10:36

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.6	19.6	29.4





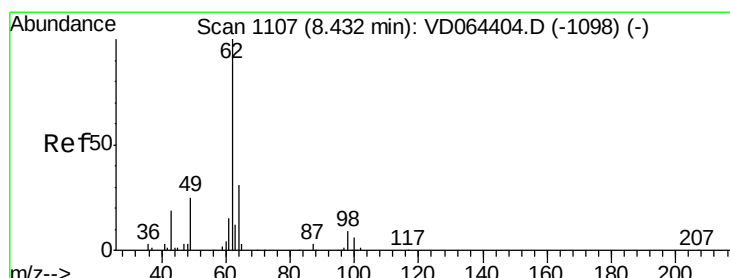
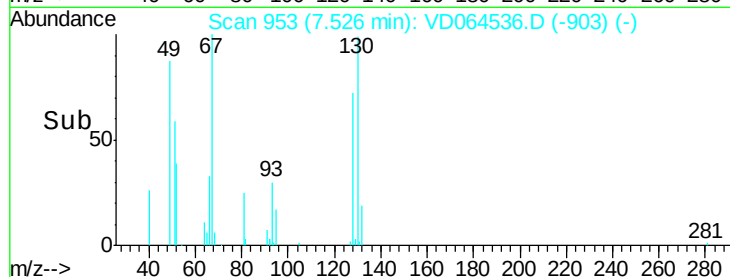
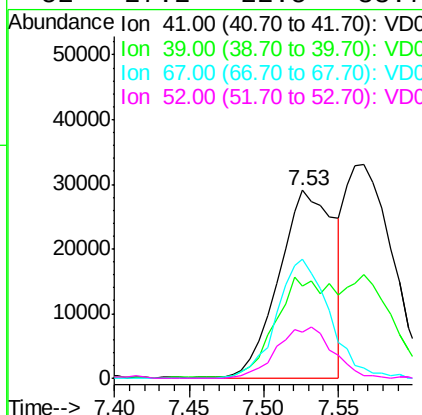
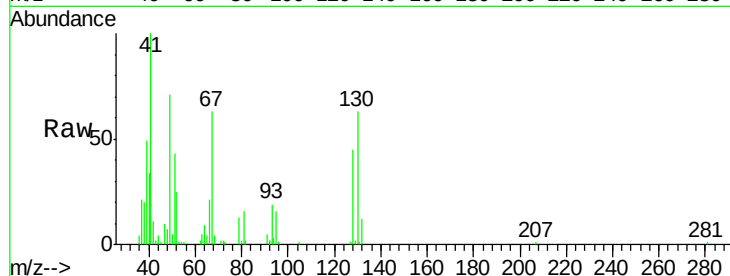
#41
Methacrylonitrile
Concen: 55.837 ug/l
RT: 7.53 min Scan# 953
Delta R.T. -0.01 min
Lab File: VD064536.D
Acq: 17 Dec 2019 10:36

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	54.9	44.6	67.0	
67	60.1	50.9	76.3	
52	27.2	22.5	33.7	

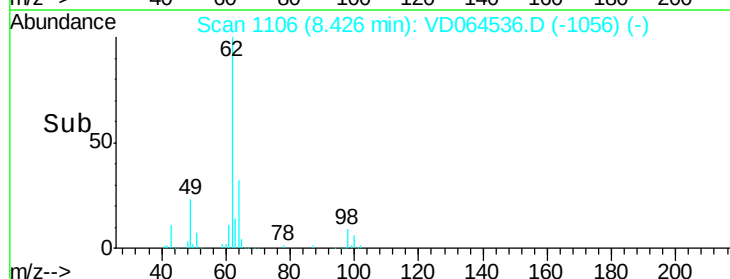
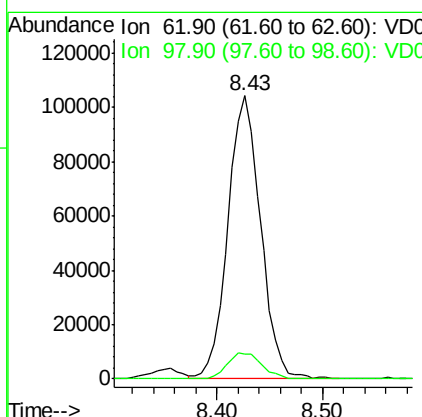
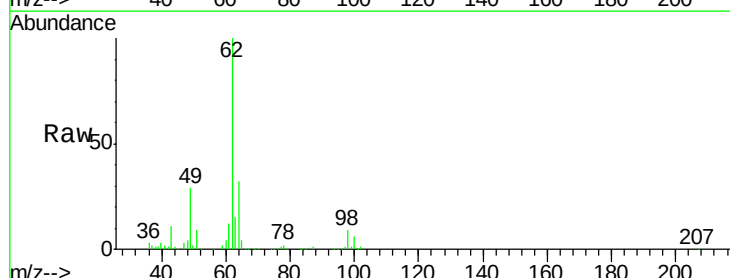
Manual Integrations
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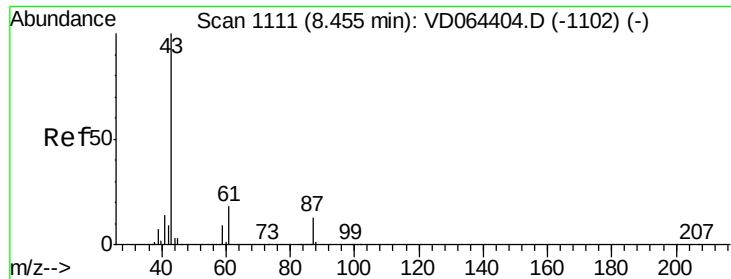
MMDadoda
12/18/2019 1:00:37 PM



#42
1,2-Dichloroethane
Concen: 49.311 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. -0.01 min
Lab File: VD064536.D
Acq: 17 Dec 2019 10:36

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.9	0.0	20.6	





#43

Isopropyl Acetate

Concen: 47.087 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VD064536.D

Acq: 17 Dec 2019 10:36

Instrument :

MSVOA_D

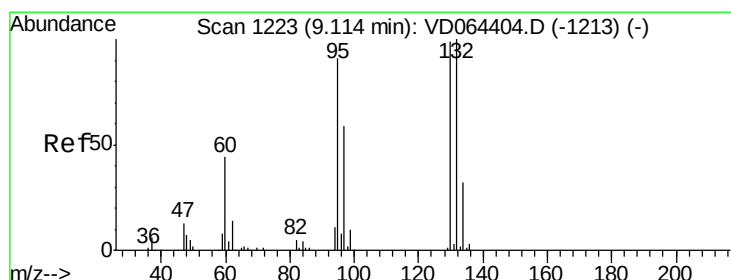
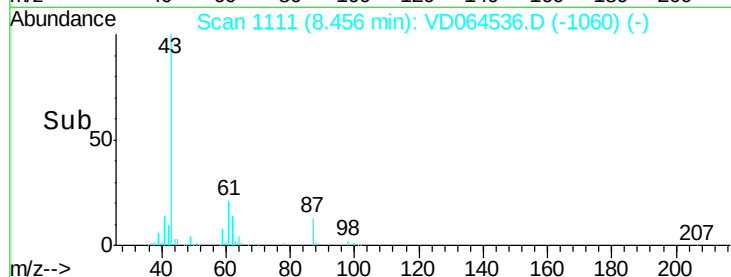
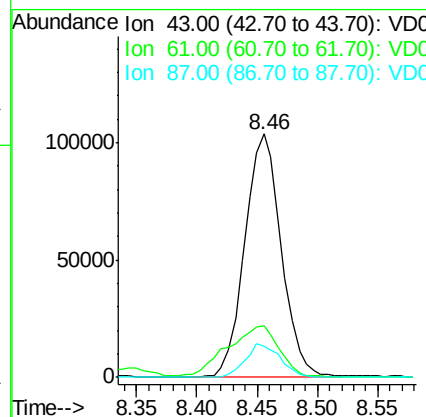
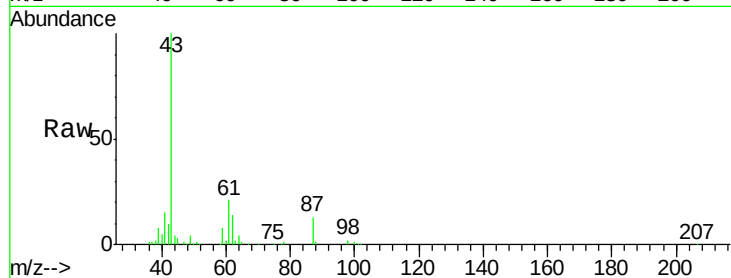
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	218259
Ion Ratio		Lower	Upper
43	100		
61	30.6	24.0	36.0
87	13.2	10.6	15.8

Manual Integrations
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MMDadoda
12/18/2019 1:00:37 PM



#44

Trichloroethene

Concen: 50.483 ug/l

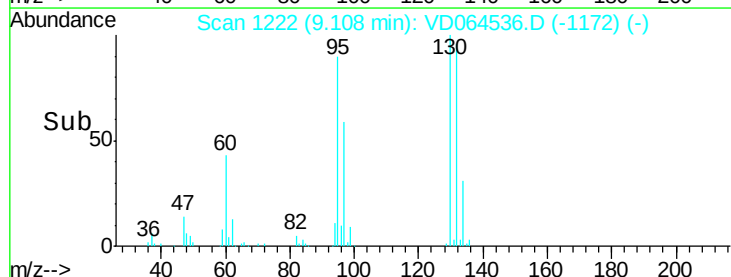
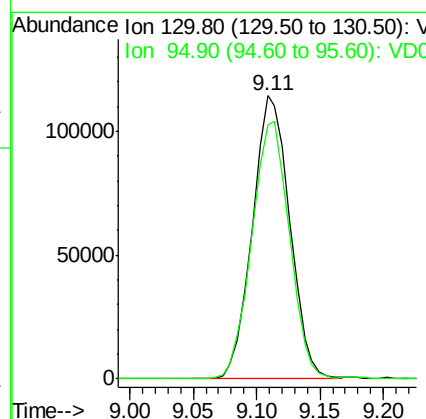
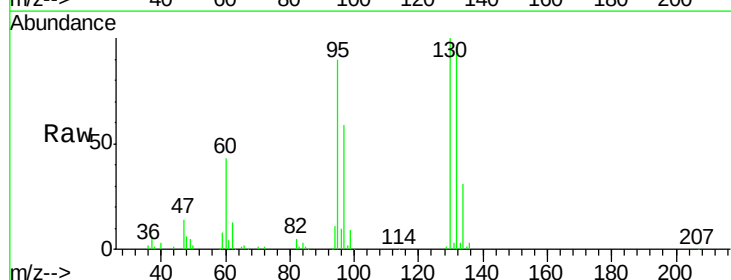
RT: 9.11 min Scan# 1222

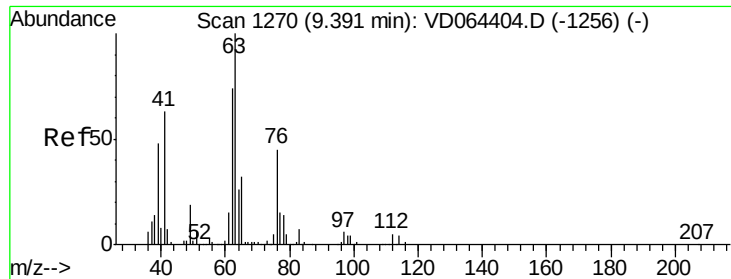
Delta R.T. -0.01 min

Lab File: VD064536.D

Acq: 17 Dec 2019 10:36

Tgt Ion:	130	Resp:	234653
Ion Ratio		Lower	Upper
130	100		
95	89.6	0.0	184.6





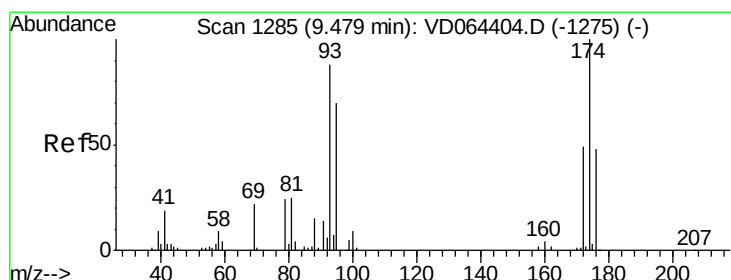
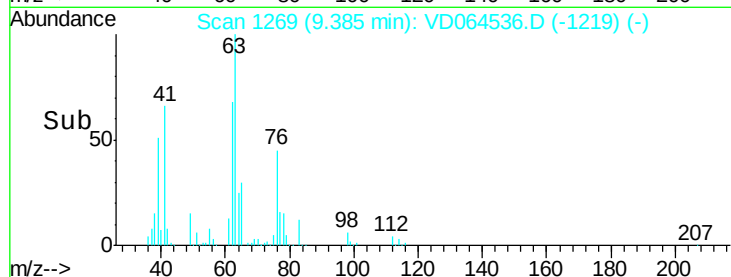
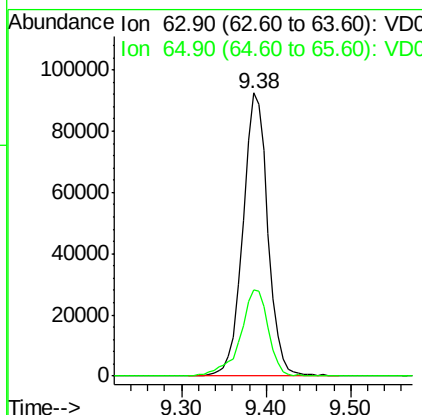
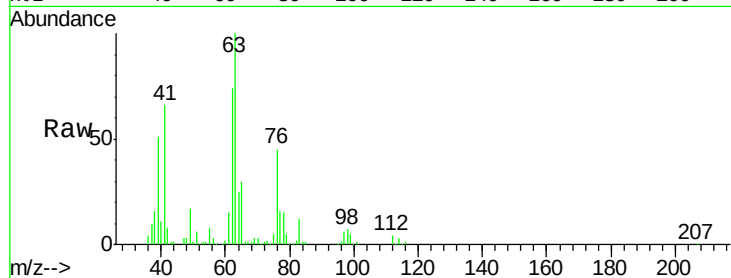
#45
 1,2-Dichloropropane
 Concen: 51.356 ug/l
 RT: 9.38 min Scan# 1269
 Delta R.T. -0.01 min
 Lab File: VD064536.D
 Acq: 17 Dec 2019 10:36

Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDCCC050

Tot Ion: 63 Resp: 189525
 Ion Ratio Lower Upper
 63 100
 65 30.5 25.4 38.0

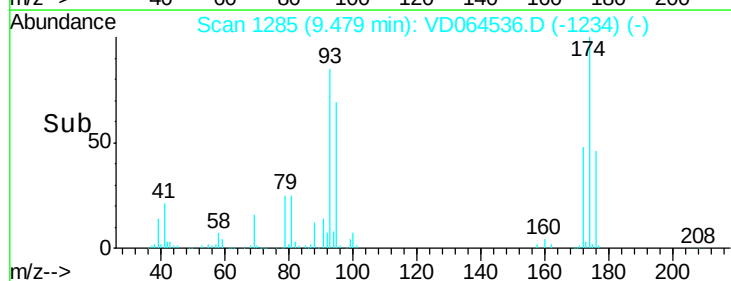
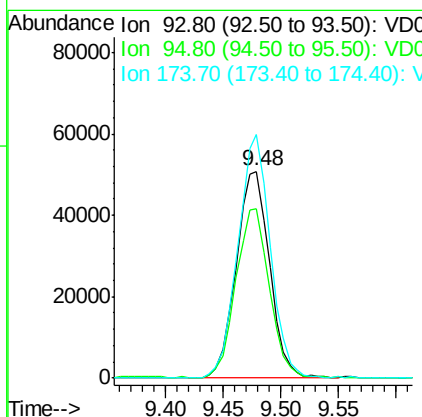
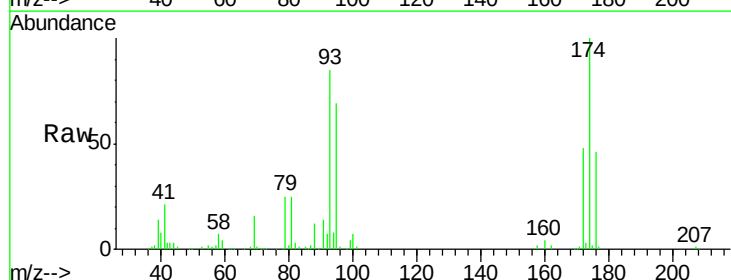
Manual Integrations
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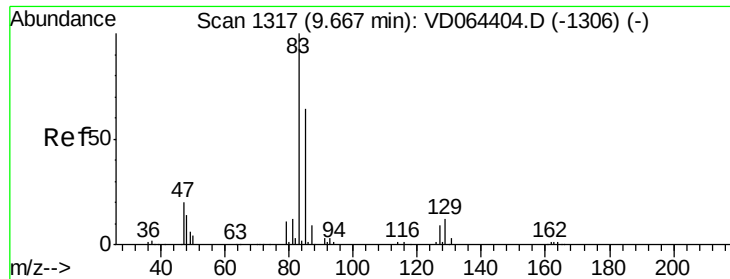
MMDadoda
 12/18/2019 1:00:37 PM



#46
 Dibromomethane
 Concen: 49.006 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. 0.00 min
 Lab File: VD064536.D
 Acq: 17 Dec 2019 10:36

Tgt Ion: 93 Resp: 102072
 Ion Ratio Lower Upper
 93 100
 95 82.2 66.7 100.1
 174 114.2 92.3 138.5





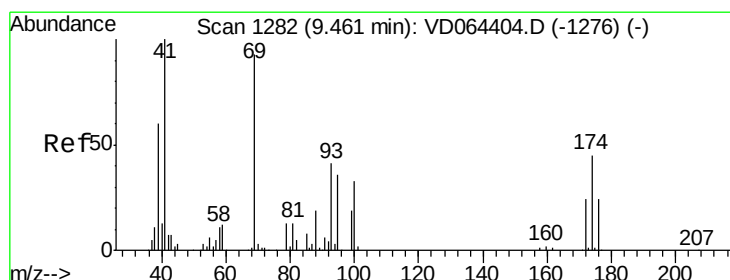
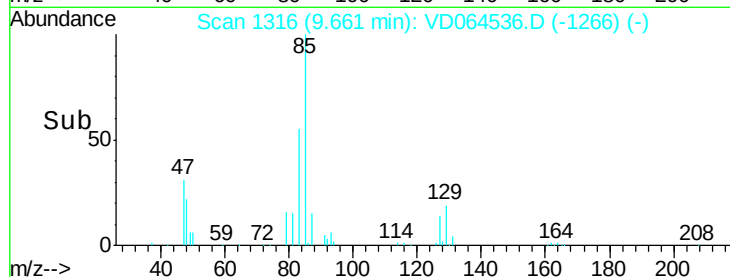
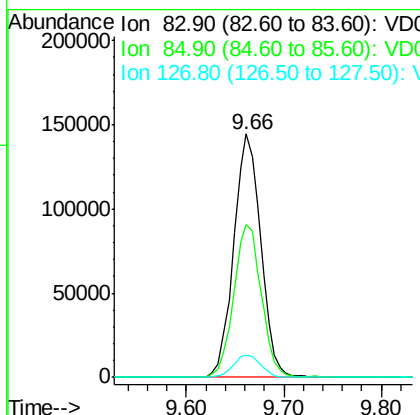
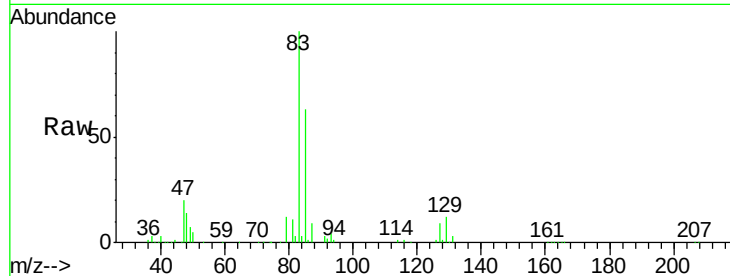
#47
Bromodichloromethane
Concen: 52.007 ug/l
RT: 9.66 min Scan# 1316
Delta R.T. -0.01 min
Lab File: VD064536.D
Acq: 17 Dec 2019 10:36

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	278334		
85	62.7		51.1	76.7
127	8.9		7.4	11.0

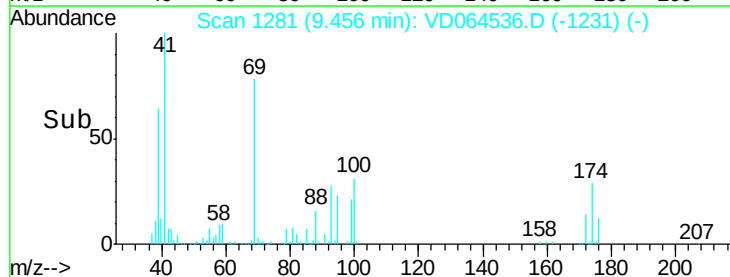
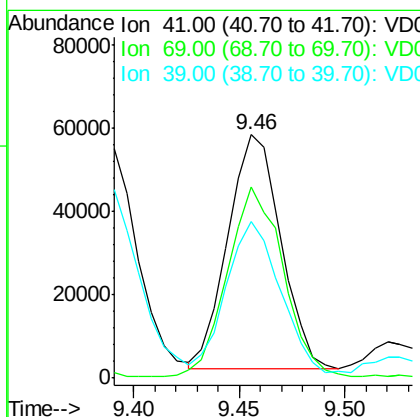
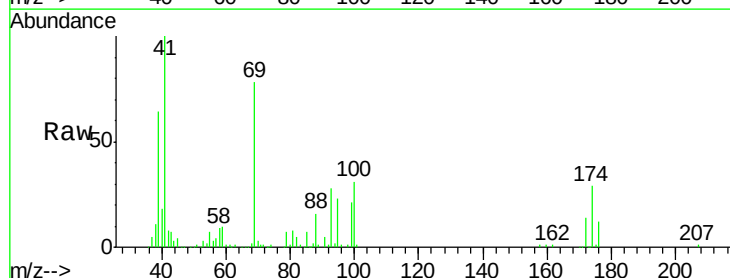
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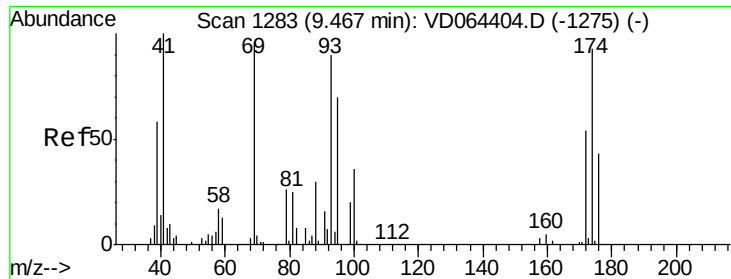
MMDadoda
12/18/2019 1:00:37 PM



#48
Methyl methacrylate
Concen: 46.205 ug/l
RT: 9.46 min Scan# 1281
Delta R.T. -0.01 min
Lab File: VD064536.D
Acq: 17 Dec 2019 10:36

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	98002		
69	85.8		72.0	108.0
39	64.5		55.2	82.8





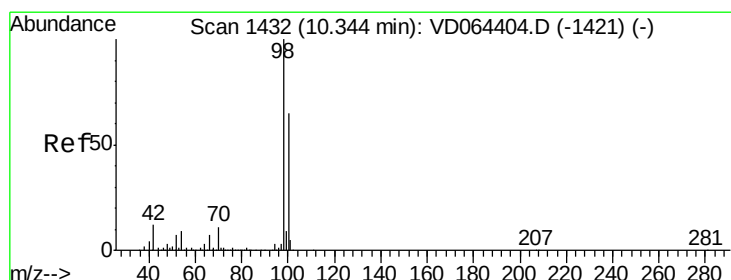
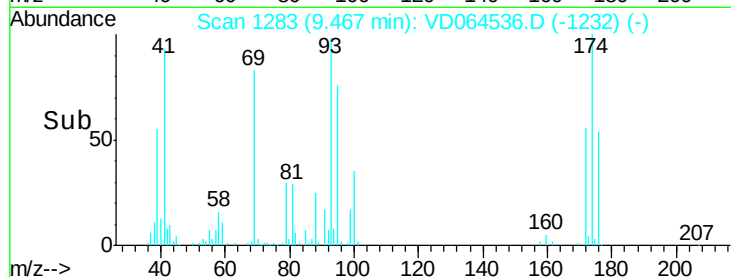
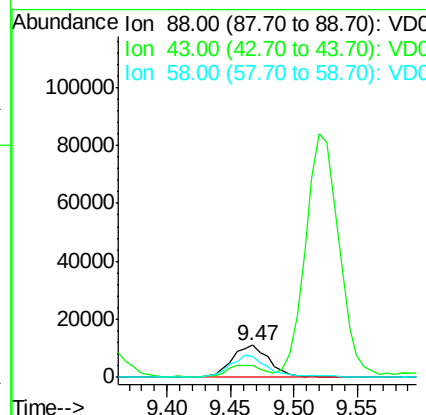
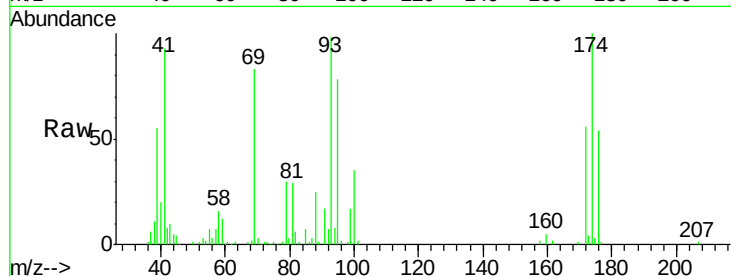
#49
1,4-Dioxane
Concen: 875.612 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VD064536.D
Acq: 17 Dec 2019 10:36

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	88	Resp	22521
Ion	Ratio	Lower	Upper
88	100		
43	38.8	26.7	40.1
58	67.2	52.3	78.5

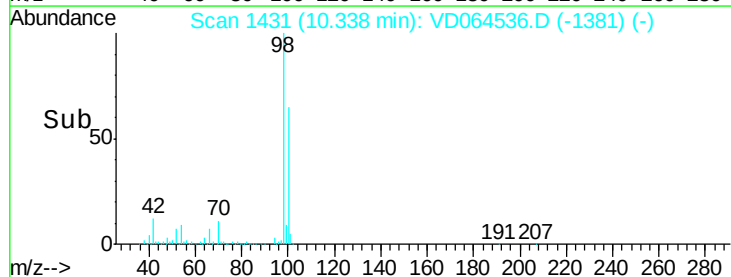
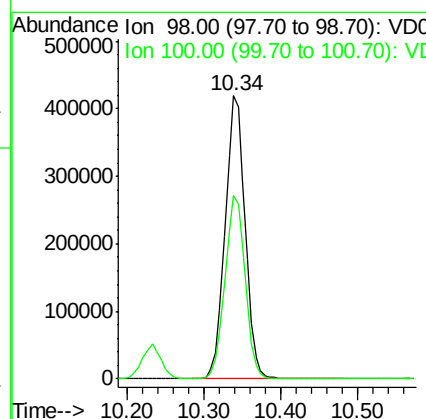
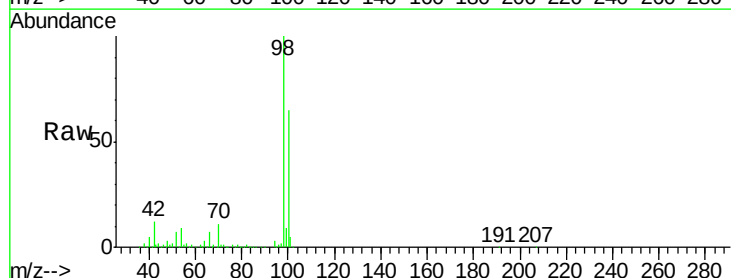
Manual Integrations
APPROVED

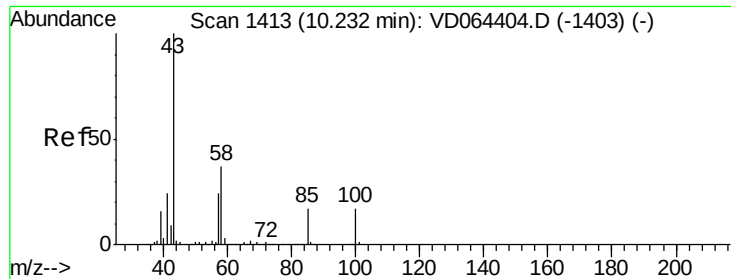
MMDadoda
12/18/2019 1:00:37 PM



#50
Toluene-d8
Concen: 54.099 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. -0.01 min
Lab File: VD064536.D
Acq: 17 Dec 2019 10:36

Tgt Ion	98	Resp	754163
Ion	Ratio	Lower	Upper
98	100		
100	65.6	52.6	79.0





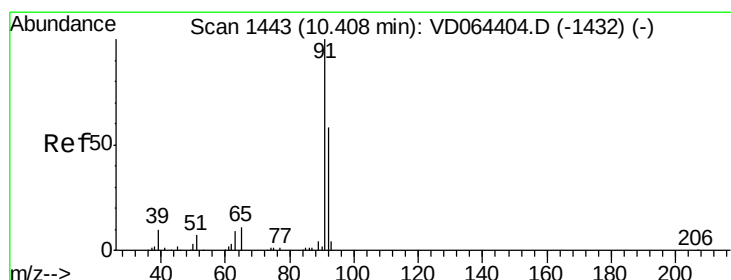
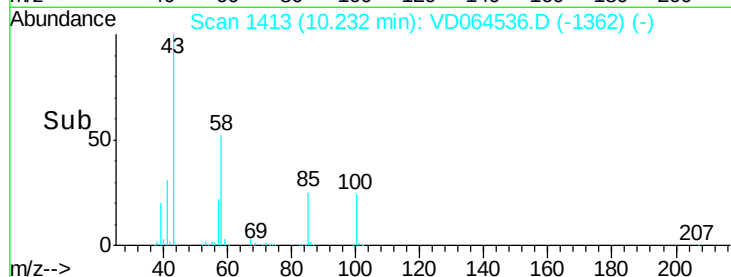
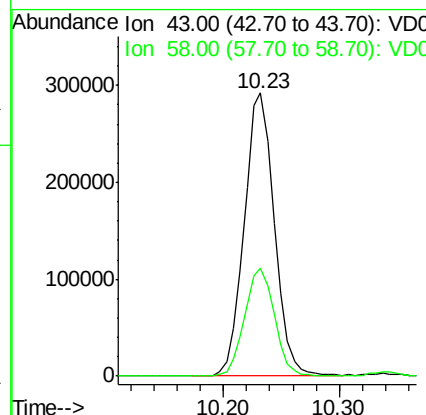
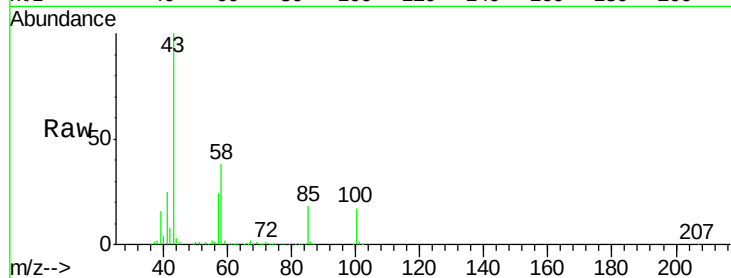
#51
4-Methyl-2-Pentanone
Concen: 230.761 ug/l
RT: 10.23 min Scan# 1413
Delta R.T. 0.00 min
Lab File: VD064536.D
Acq: 17 Dec 2019 10:36

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 529240
Ion Ratio Lower Upper
43 100
58 38.0 30.6 46.0

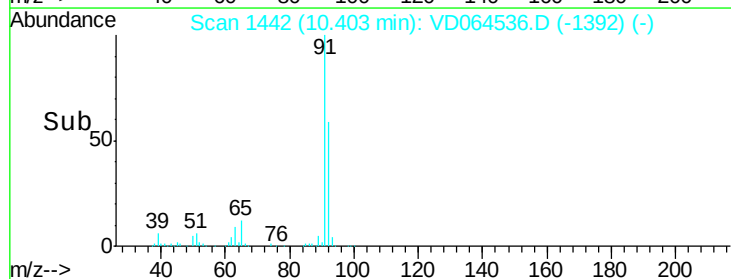
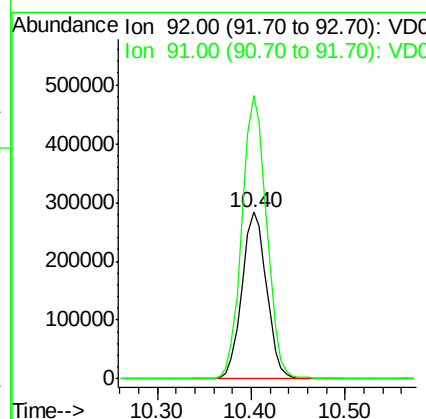
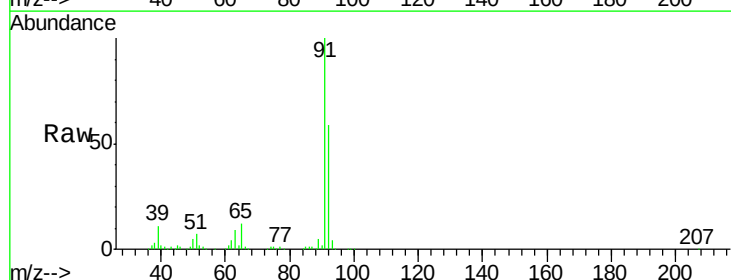
Manual Integrations
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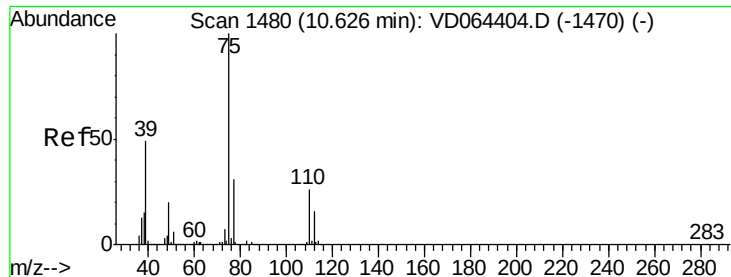
MMDadoda
12/18/2019 1:00:37 PM



#52
Toluene
Concen: 51.276 ug/l
RT: 10.40 min Scan# 1442
Delta R.T. -0.01 min
Lab File: VD064536.D
Acq: 17 Dec 2019 10:36

Tgt Ion: 92 Resp: 515647
Ion Ratio Lower Upper
92 100
91 170.8 137.8 206.6





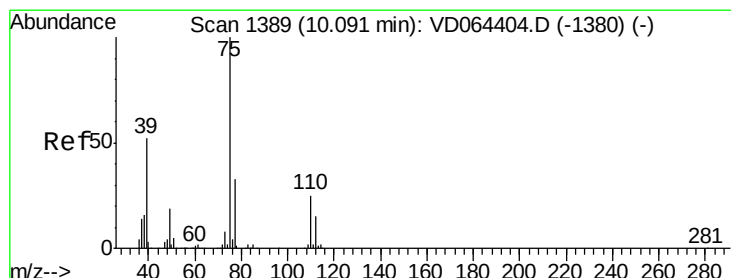
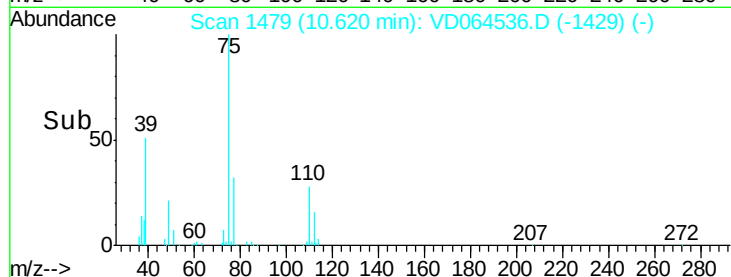
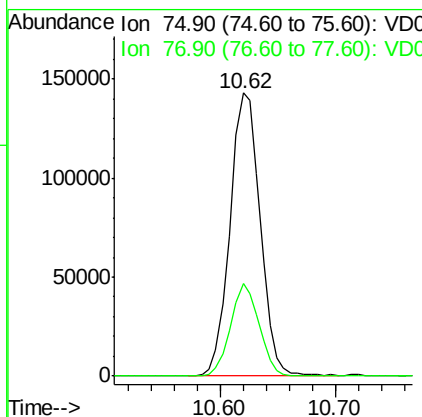
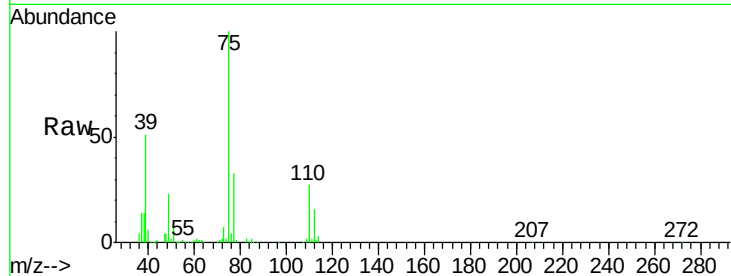
#53
 t-1,3-Dichloropropene
 Concen: 50.762 ug/l
 RT: 10.62 min Scan# 1479
 Delta R.T. -0.01 min
 Lab File: VD064536.D
 Acq: 17 Dec 2019 10:36

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.5	25.0	37.4

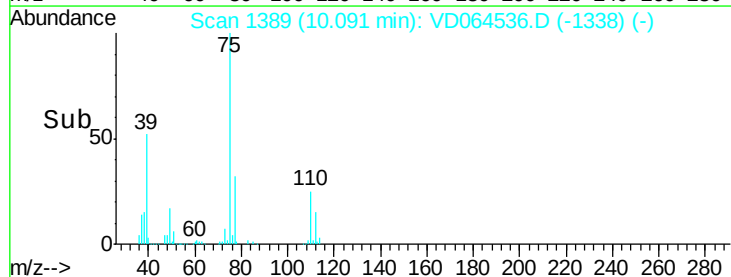
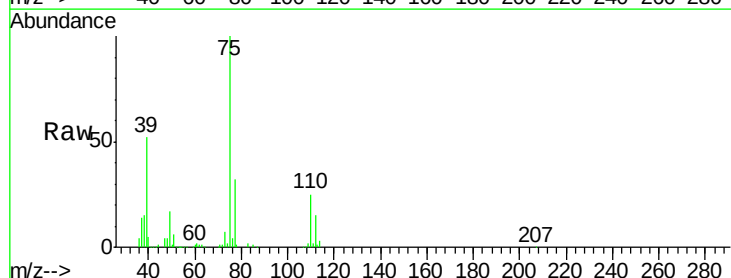
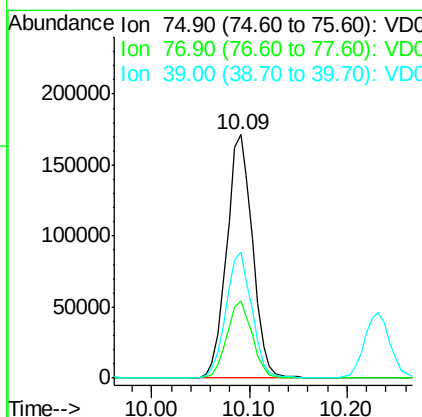
Manual Integrations
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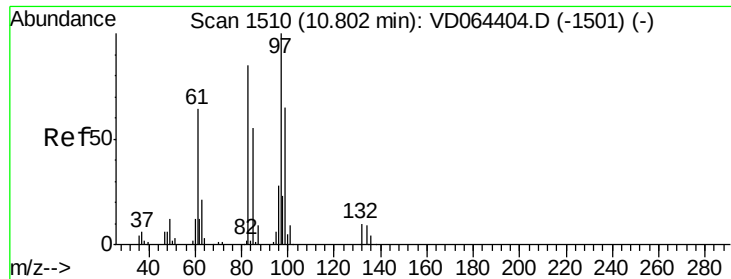
MMDadoda
 12/18/2019 1:00:37 PM



#54
 cis-1,3-Dichloropropene
 Concen: 51.859 ug/l
 RT: 10.09 min Scan# 1389
 Delta R.T. 0.00 min
 Lab File: VD064536.D
 Acq: 17 Dec 2019 10:36

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.9	26.1	39.1
39	51.8	41.5	62.3





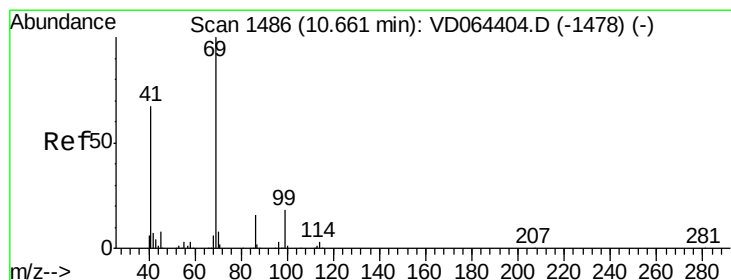
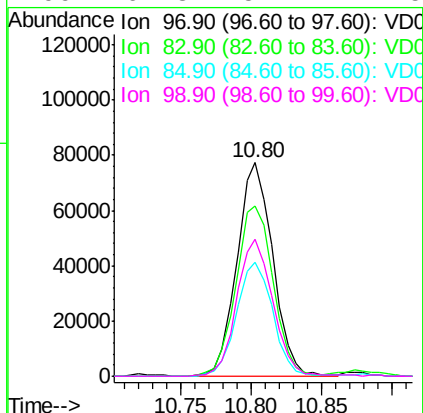
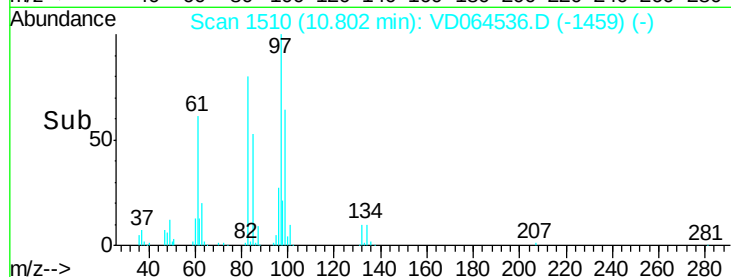
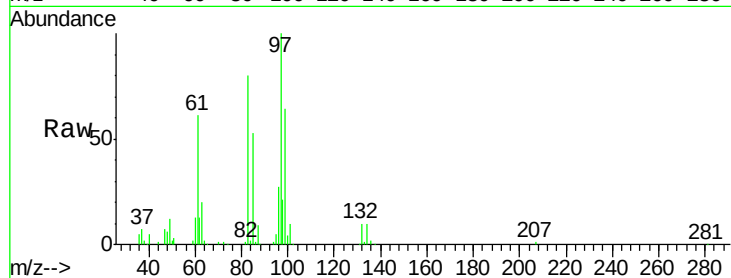
#55
 1,1,2-Trichloroethane
 Concen: 48.302 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VD064536.D
 Acq: 17 Dec 2019 10:36

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		137758		
83	79.7	67.8	101.8		
85	53.2	43.7	65.5		
99	64.3	51.7	77.5		

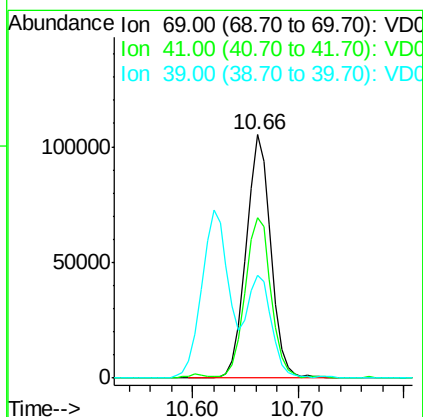
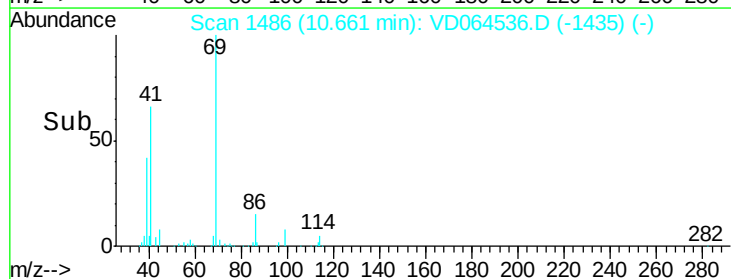
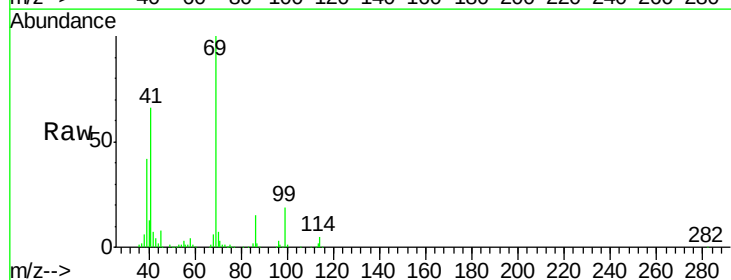
Manual Integrations
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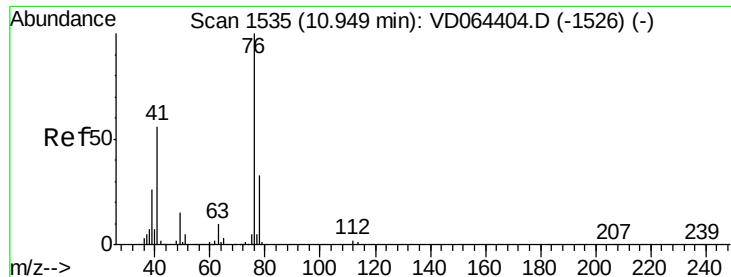
MMDadoda
 12/18/2019 1:00:37 PM



#56
 Ethyl methacrylate
 Concen: 47.128 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. 0.00 min
 Lab File: VD064536.D
 Acq: 17 Dec 2019 10:36

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		171433		
41	67.7	55.0	82.4		
39	42.6	33.0	49.6		





#57

1,3-Dichloropropane

Concen: 48.838 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VD064536.D

Acq: 17 Dec 2019 10:36

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 237103

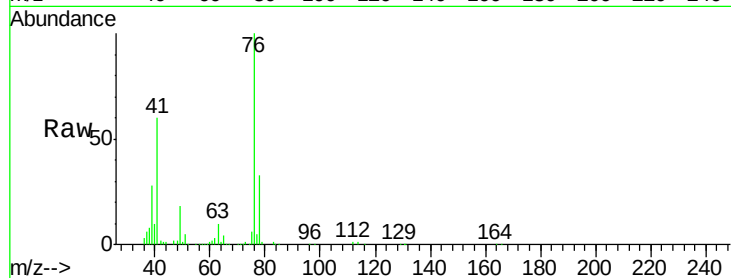
Ion Ratio Lower Upper

76 100

78 32.7 26.0 39.0

Manual Integrations
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MMDadoda
12/18/2019 1:00:37 PM



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

10.95

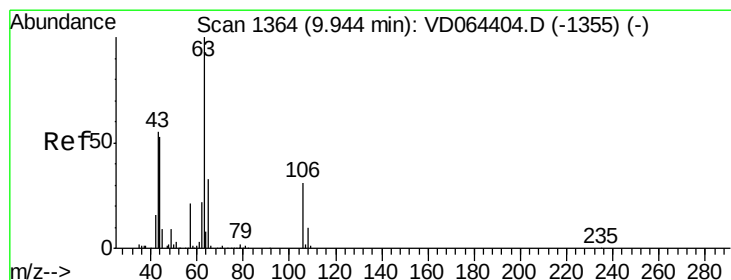
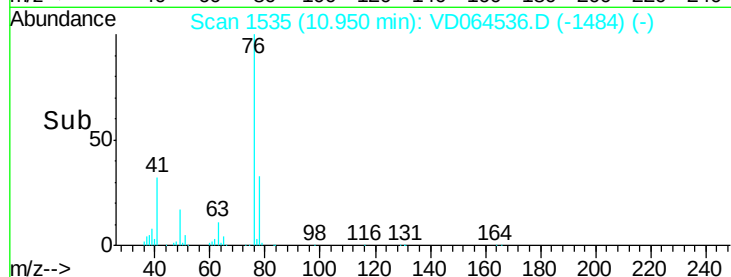
150000

100000

50000

0

Time--> 10.85 10.90 10.95 11.00



#58

2-Chloroethyl Vinyl ether

Concen: 213.018 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. 0.00 min

Lab File: VD064536.D

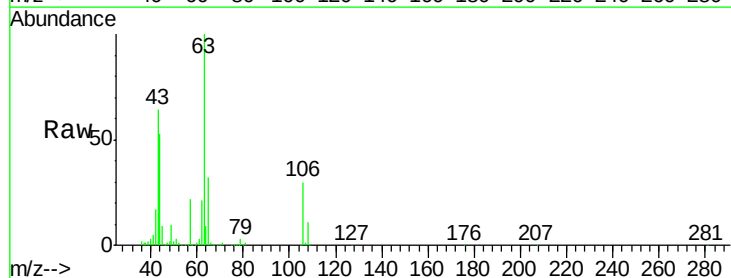
Acq: 17 Dec 2019 10:36

Tgt Ion: 63 Resp: 308895

Ion Ratio Lower Upper

63 100

106 30.3 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

200000

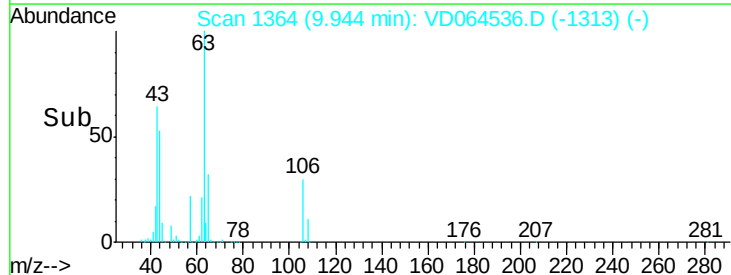
150000

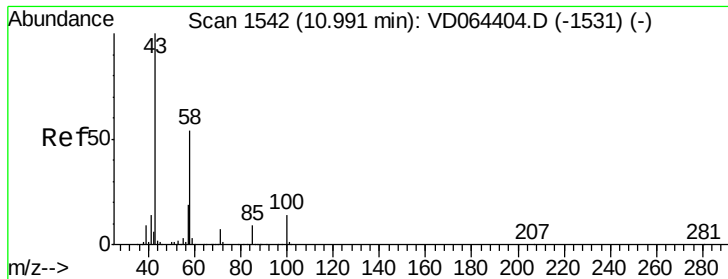
100000

50000

0

Time--> 9.90 9.95 10.00 10.10





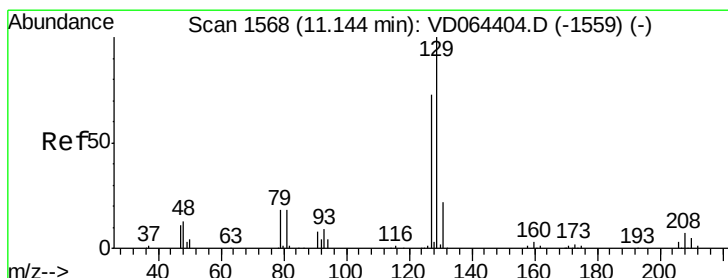
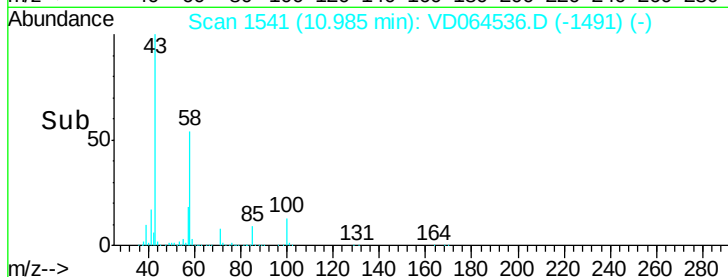
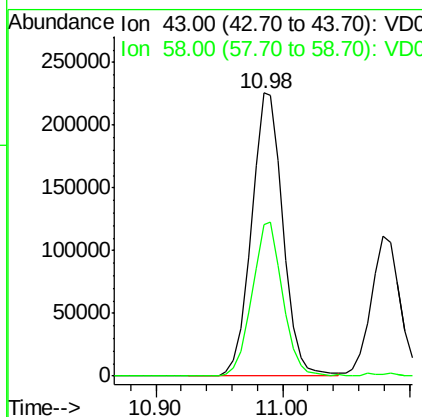
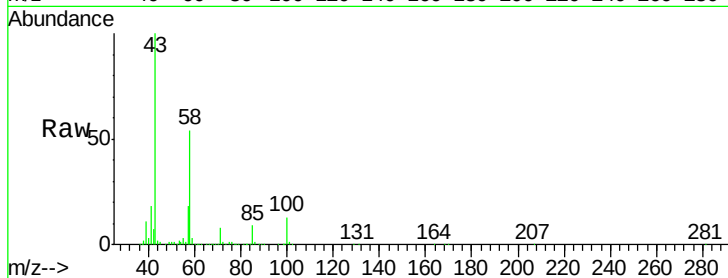
#59
2-Hexanone
Concen: 245.285 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. -0.01 min
Lab File: VD064536.D
Acq: 17 Dec 2019 10:36

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	43	Resp	390348
Ion Ratio	100	Lower	Upper
43	100		
58	53.0	26.3	78.8

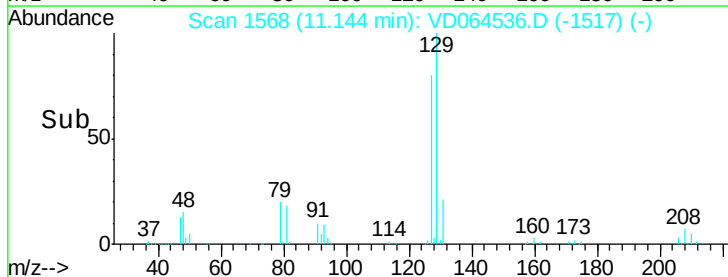
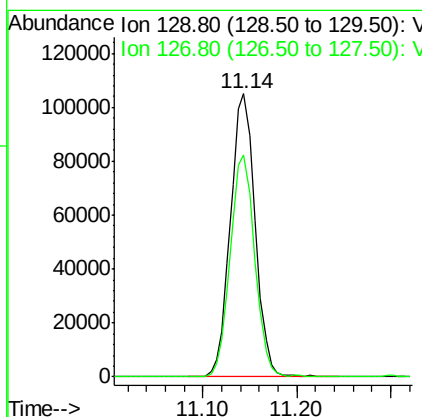
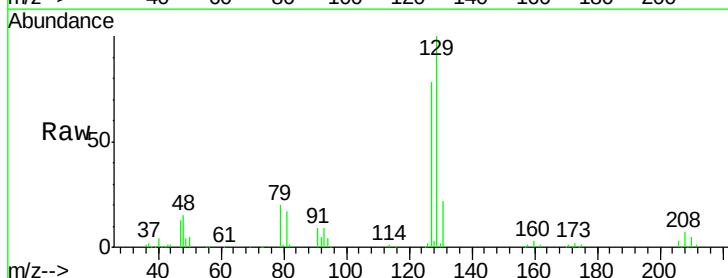
Manual Integrations
APPROVED

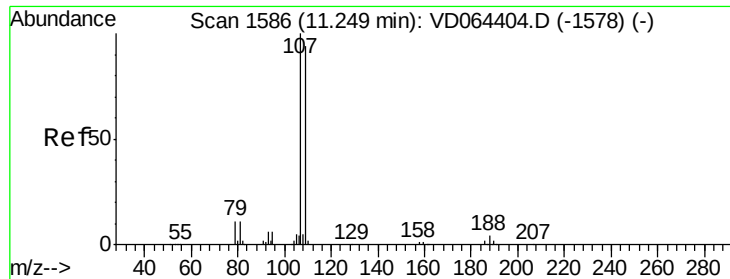
MMDadoda
12/18/2019 1:00:37 PM



#60
Dibromochloromethane
Concen: 49.612 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD064536.D
Acq: 17 Dec 2019 10:36

Tgt Ion	129	Resp	191845
Ion Ratio	100	Lower	Upper
129	100		
127	77.8	38.1	114.3





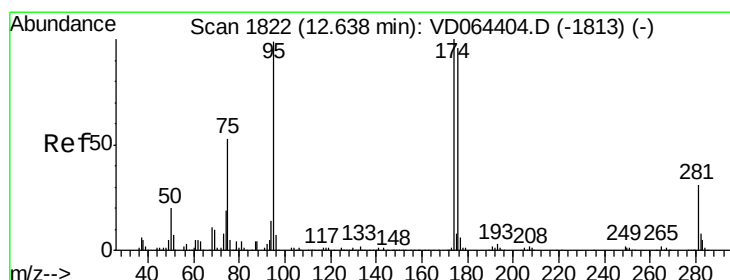
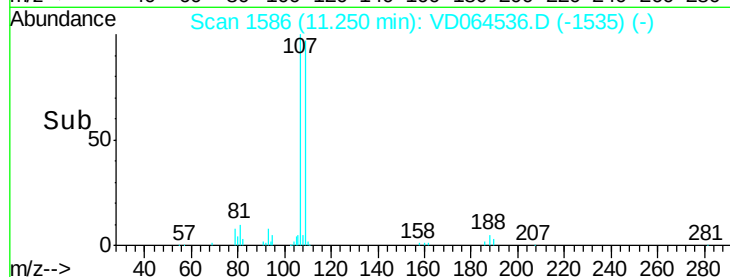
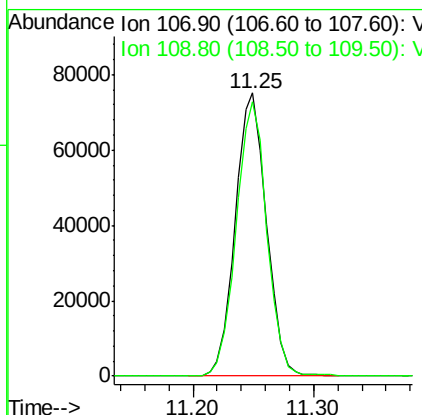
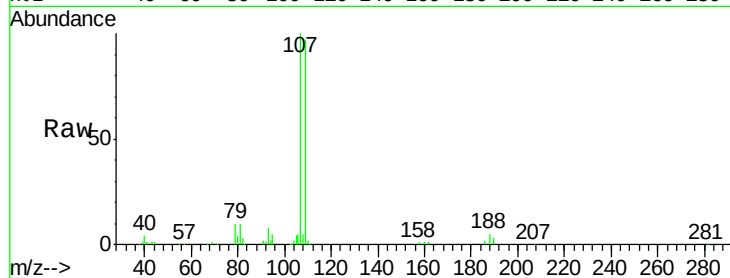
#61
 1,2-Dibromoethane
 Concen: 47.469 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD064536.D
 Acq: 17 Dec 2019 10:36

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 107 Resp: 135174
 Ion Ratio Lower Upper
 107 100
 109 95.2 76.2 114.2

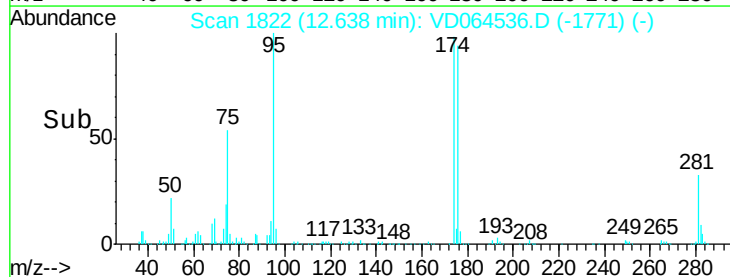
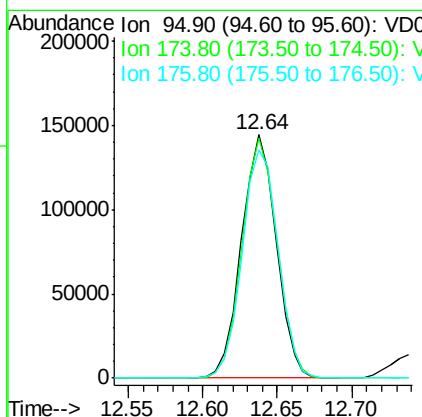
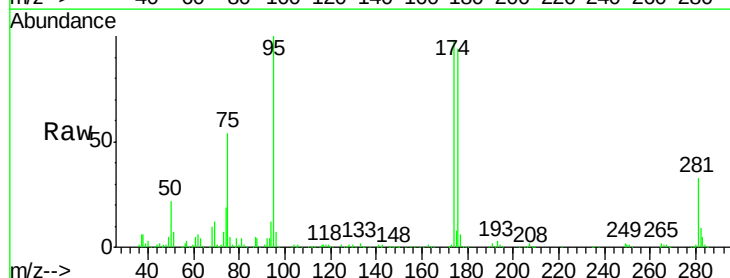
Manual Integrations
 APPROVED

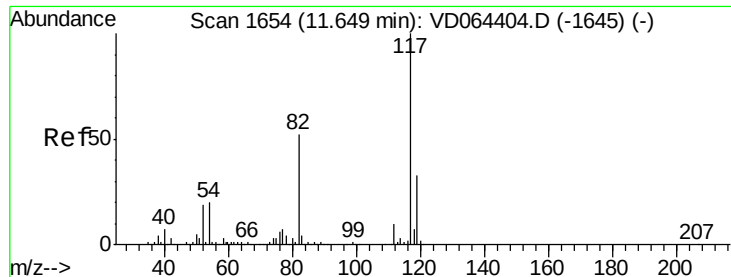
MMDadoda
 12/18/2019 1:00:37 PM



#62
 4-Bromofluorobenzene
 Concen: 52.125 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD064536.D
 Acq: 17 Dec 2019 10:36

Tgt Ion: 95 Resp: 233525
 Ion Ratio Lower Upper
 95 100
 174 99.2 0.0 197.2
 176 97.0 0.0 189.6





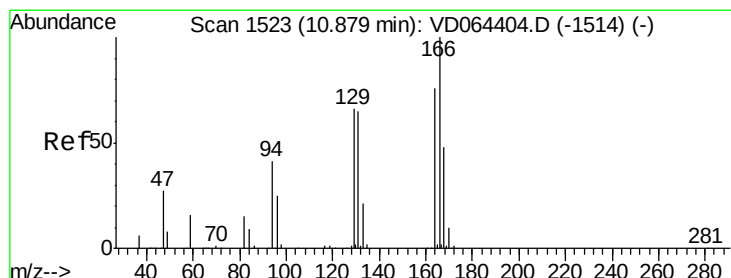
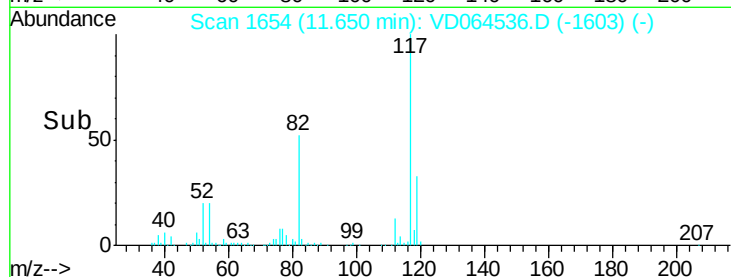
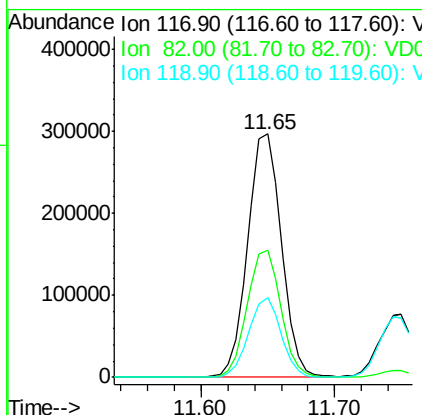
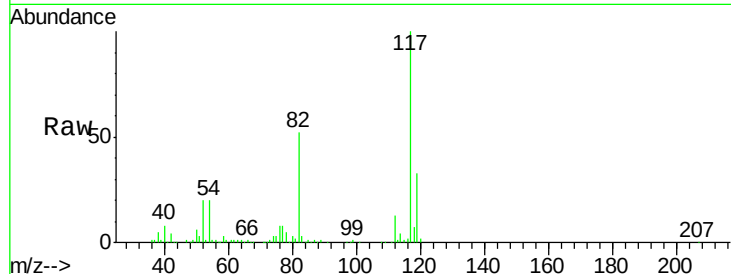
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064536.D
Acq: 17 Dec 2019 10:36

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.2	41.4	62.2
119	32.8	26.2	39.2

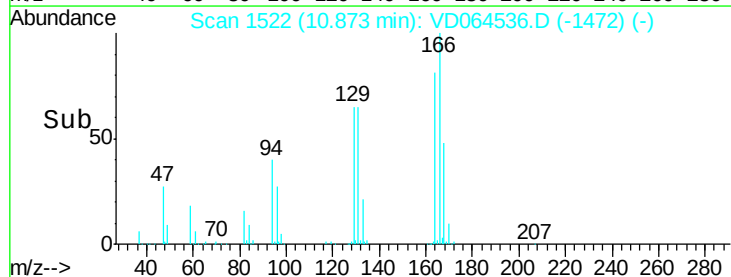
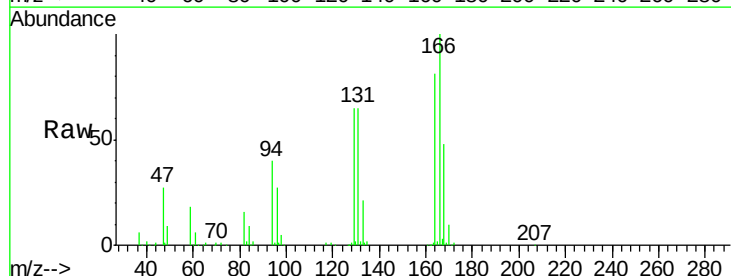
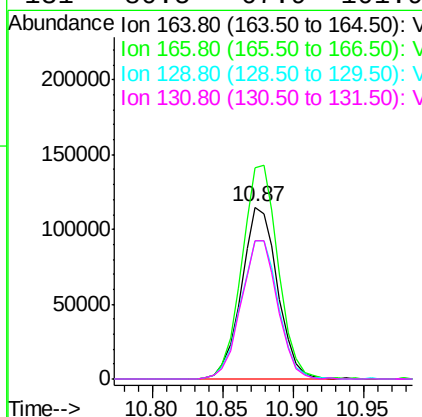
Manual Integrations
APPROVED

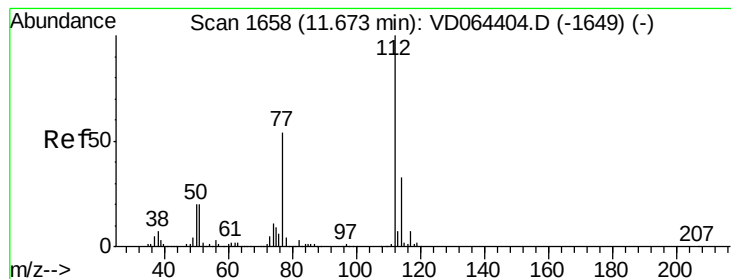
MMDadoda
12/18/2019 1:00:37 PM



#64
Tetrachloroethene
Concen: 51.780 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. -0.01 min
Lab File: VD064536.D
Acq: 17 Dec 2019 10:36

Tgt Ion	Ratio	Lower	Upper
164	100		
166	123.0	104.8	157.2
129	80.5	68.7	103.1
131	80.5	67.9	101.9





#65

Chlorobenzene

Concen: 50.371 ug/l

RT: 11.67 min Scan# 1658

Delta R.T. 0.00 min

Lab File: VD064536.D

Acq: 17 Dec 2019 10:36

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:112 Resp: 544989

Ion Ratio Lower Upper

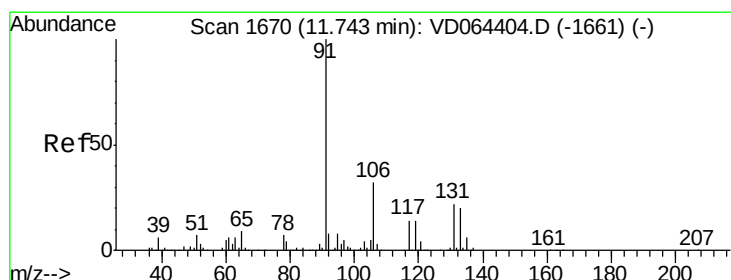
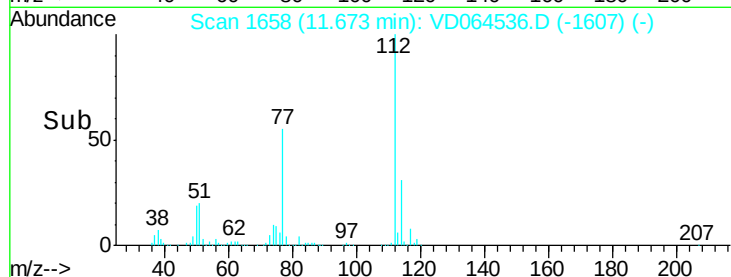
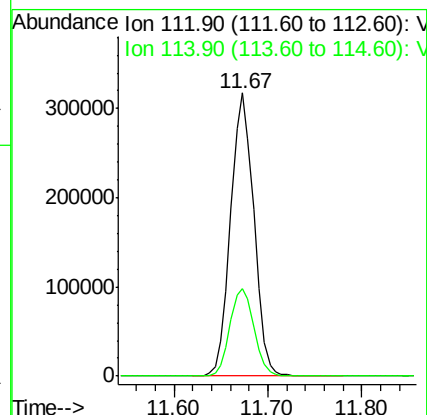
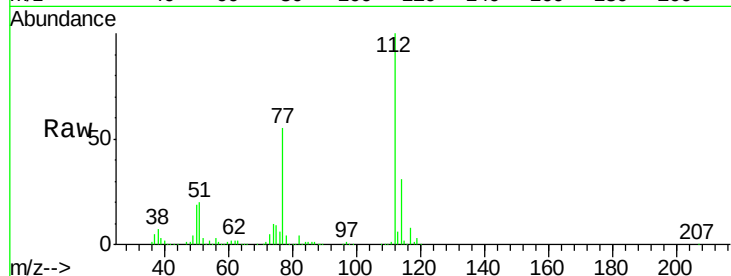
112 100

114 31.0 26.5 39.7

Manual Integrations
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#66

1,1,1,2-Tetrachloroethane

Concen: 51.702 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.01 min

Lab File: VD064536.D

Acq: 17 Dec 2019 10:36

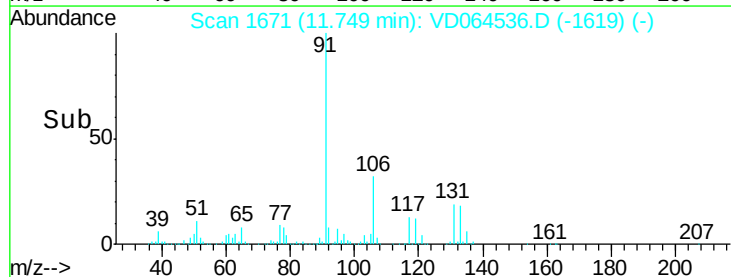
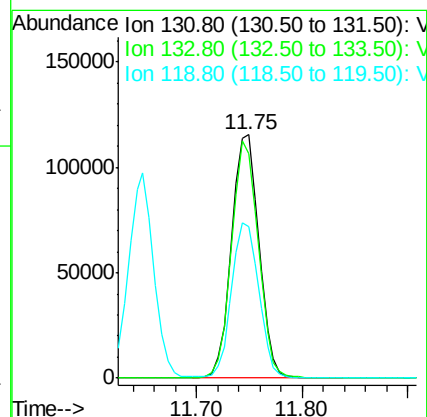
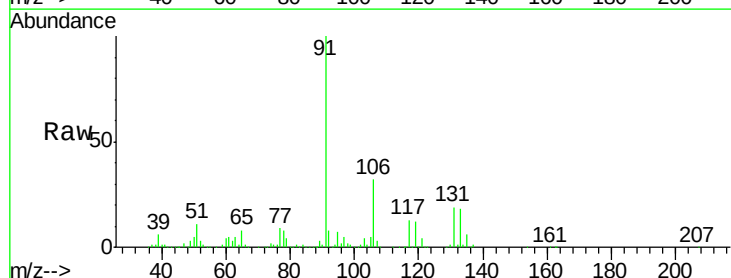
Tgt Ion:131 Resp: 207080

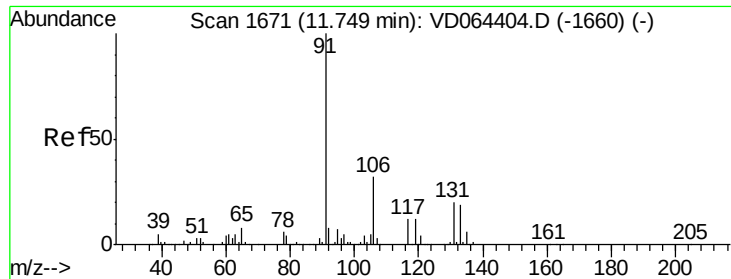
Ion Ratio Lower Upper

131 100

133 95.3 48.3 144.9

119 63.5 31.9 95.9





#67

Ethyl Benzene

Concen: 51.594 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD064536.D

Acq: 17 Dec 2019 10:36

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 993216

Ion Ratio Lower Upper

91 100

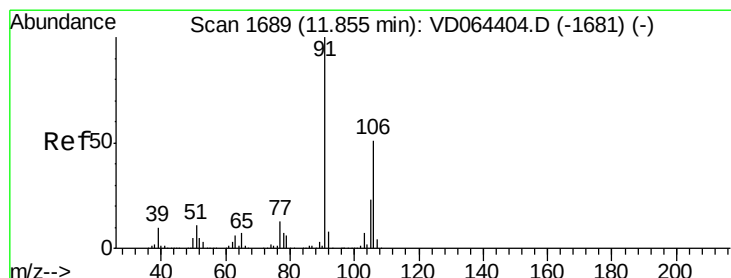
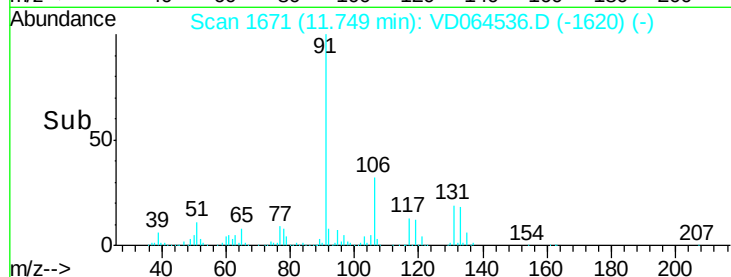
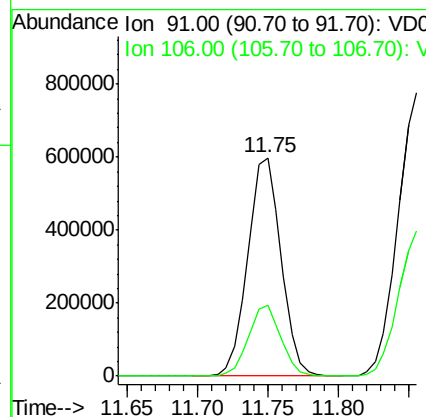
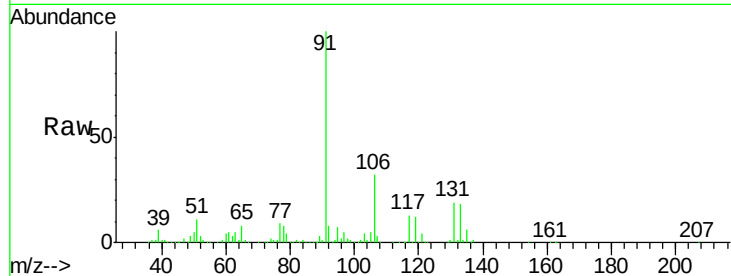
106 32.4 25.8 38.8

Manual Integrations

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#68

m/p-Xylenes

Concen: 104.181 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. 0.00 min

Lab File: VD064536.D

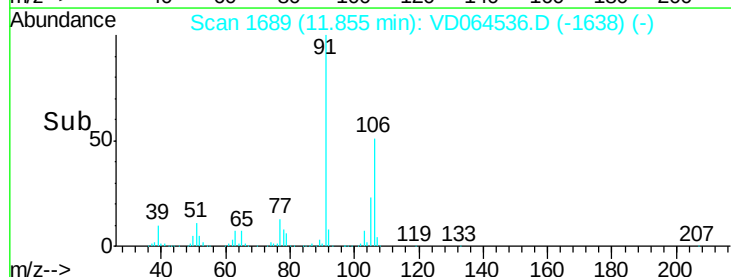
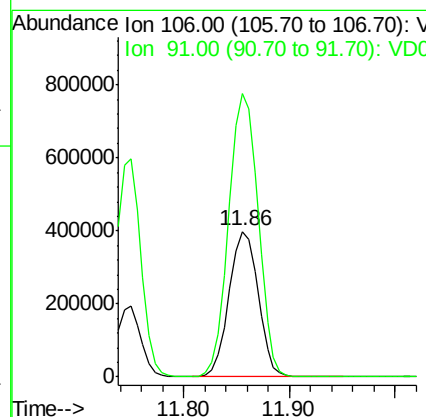
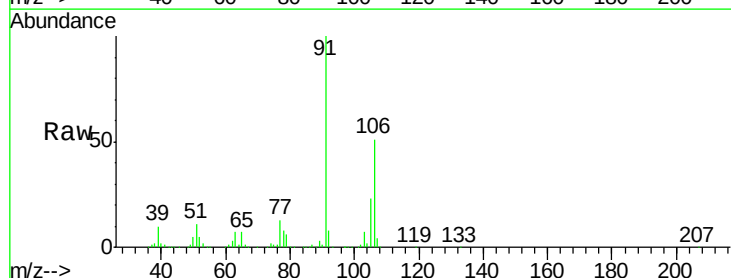
Acq: 17 Dec 2019 10:36

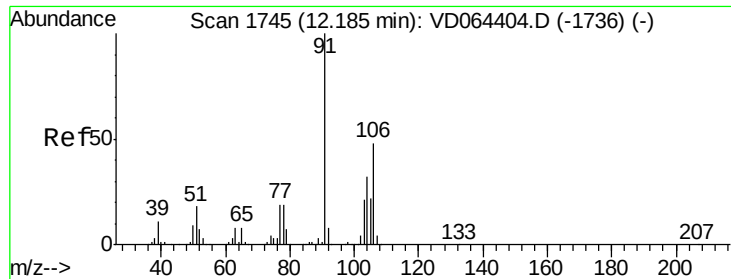
Tgt Ion: 106 Resp: 764691

Ion Ratio Lower Upper

106 100

91 196.7 157.4 236.2





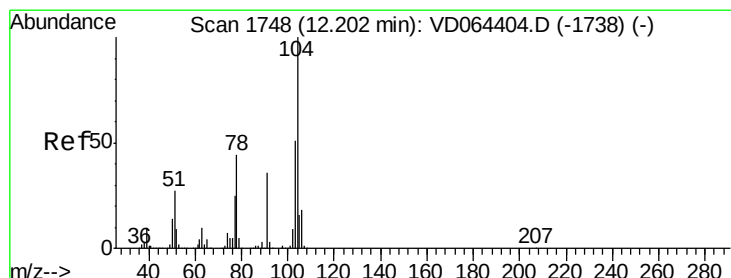
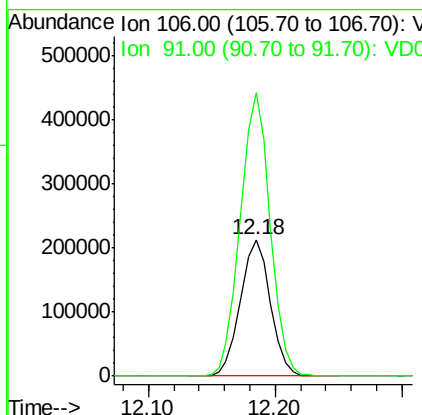
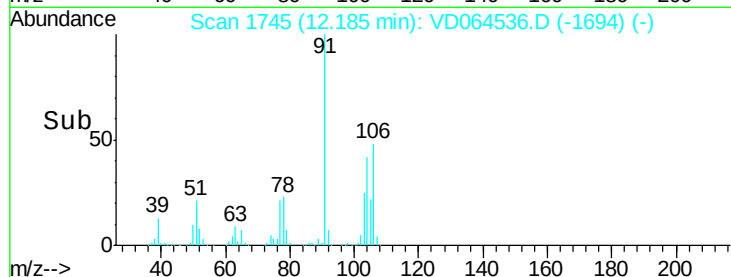
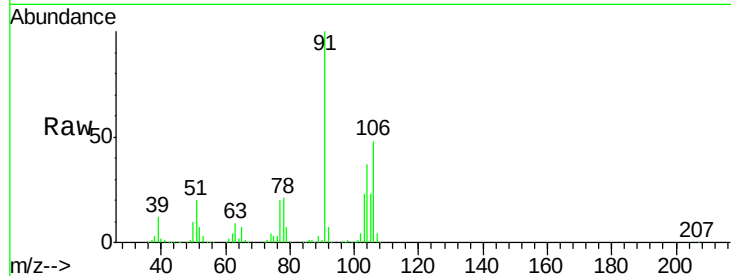
#69
o-Xylene
Concen: 51.501 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD064536.D
Acq: 17 Dec 2019 10:36

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 349120
Ion Ratio Lower Upper
106 100
91 207.2 103.8 311.4

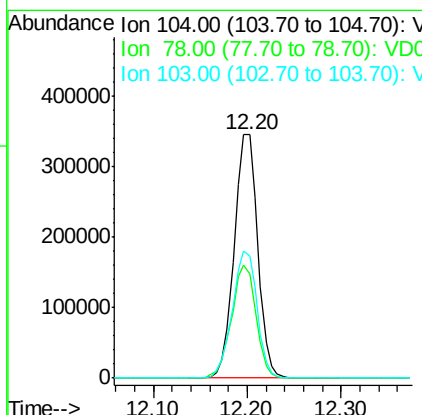
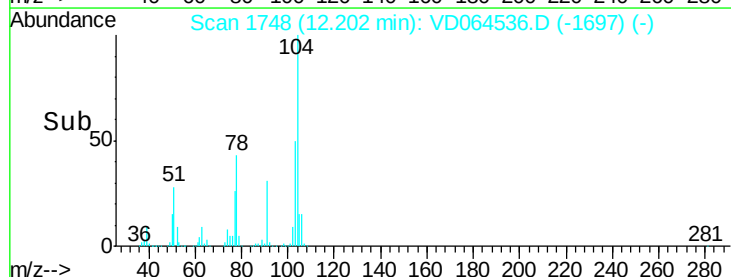
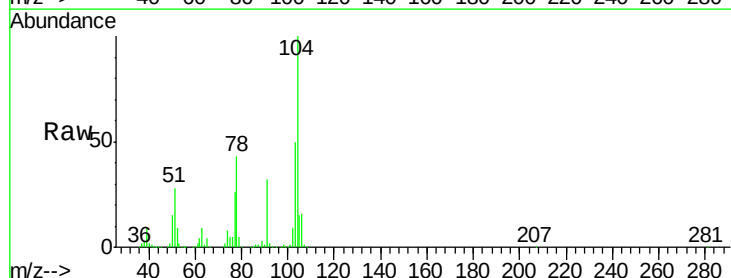
Manual Integrations
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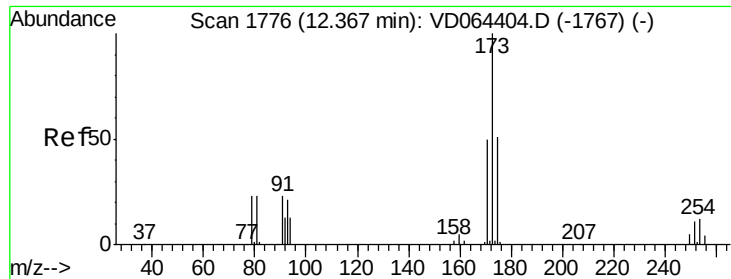
MMDadoda
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#70
Styrene
Concen: 50.810 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.00 min
Lab File: VD064536.D
Acq: 17 Dec 2019 10:36

Tgt Ion:104 Resp: 598548
Ion Ratio Lower Upper
104 100
78 48.6 38.8 58.2
103 54.7 44.2 66.4





#71

Bromoform

Concen: 48.431 ug/l

RT: 12.36 min Scan# 1775

Delta R.T. -0.01 min

Lab File: VD064536.D

Acq: 17 Dec 2019 10:36

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 116055

Ion Ratio Lower Upper

173 100

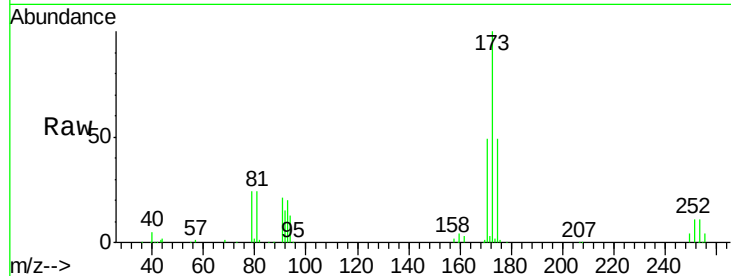
175 48.9 25.3 75.8

254 0.1 0.0 0.0#

Manual Integrations
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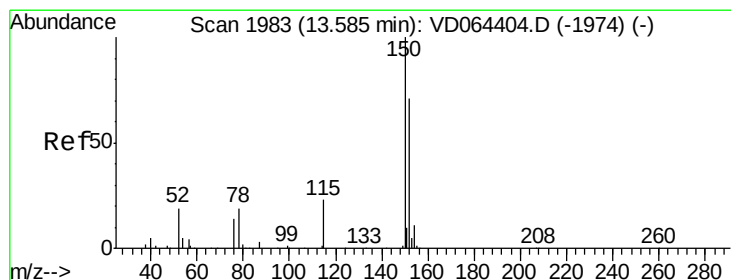
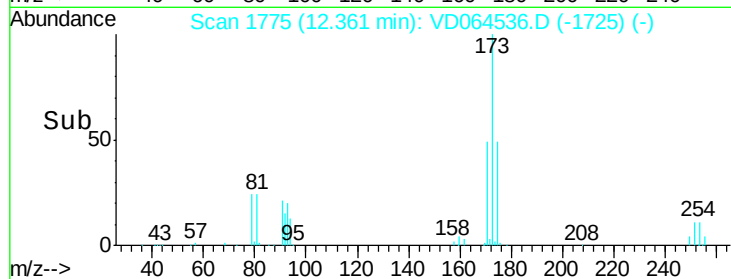
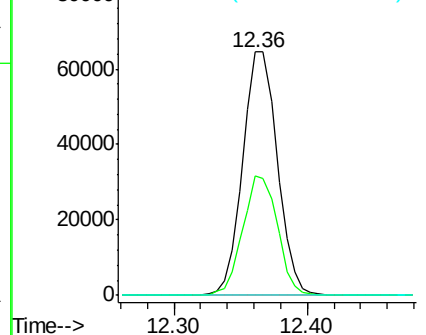
12/18/2019 1:00:37 PM



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: VD064536.D

Acq: 17 Dec 2019 10:36

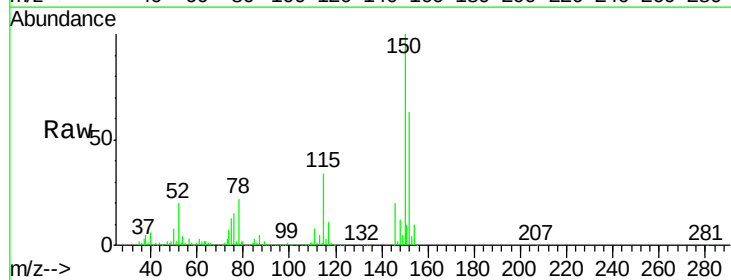
Tgt Ion:152 Resp: 253975

Ion Ratio Lower Upper

152 100

115 54.3 26.7 80.1

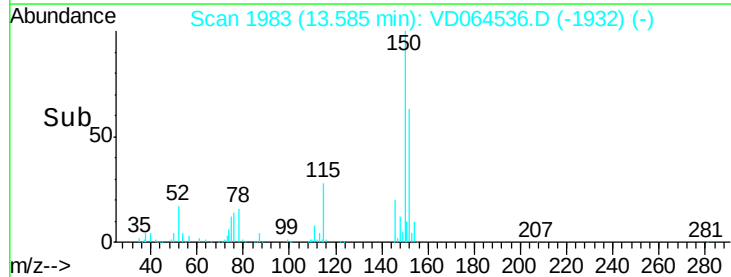
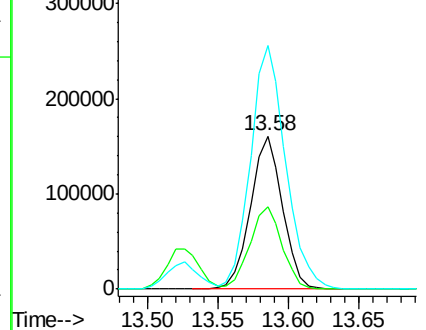
150 175.9 0.0 347.2

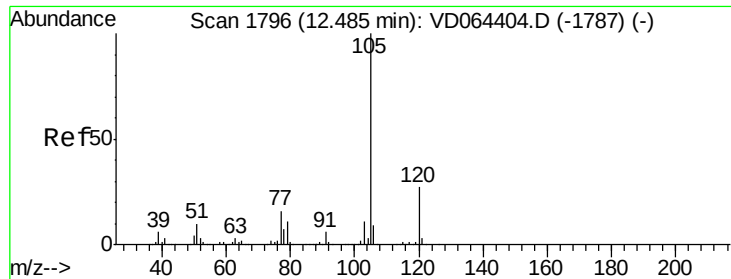


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 52.618 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD064536.D

Acq: 17 Dec 2019 10:36

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 961121

Ion Ratio Lower Upper

105 100

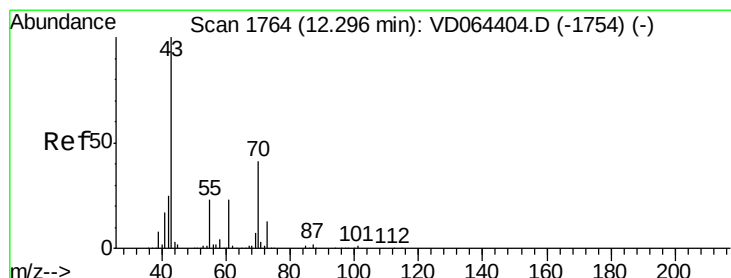
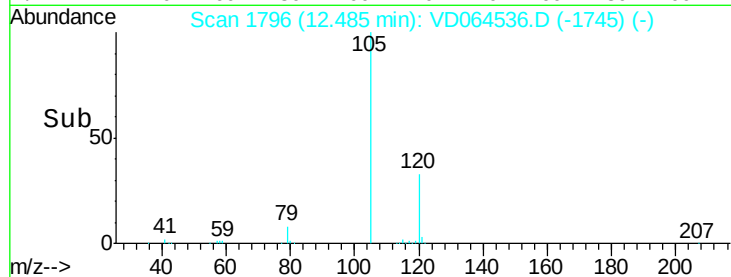
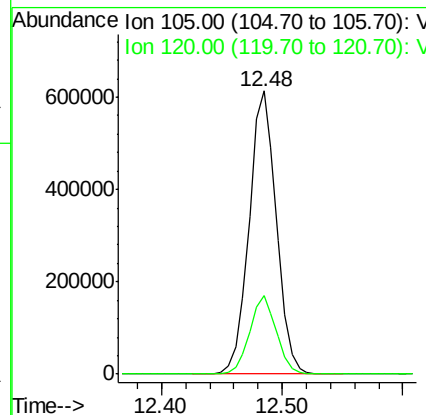
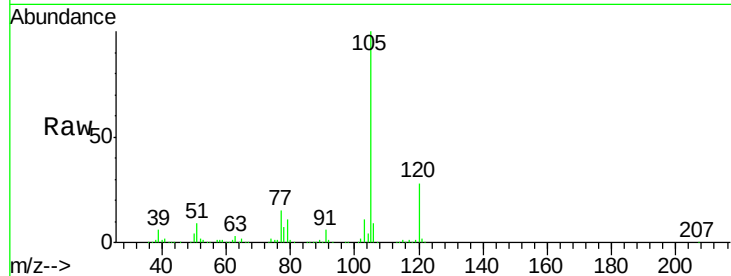
120 27.0 13.4 40.2

Manual Integrations

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#74

N-ethyl acetate

Concen: 48.263 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.01 min

Lab File: VD064536.D

Acq: 17 Dec 2019 10:36

Tgt Ion: 43 Resp: 200086

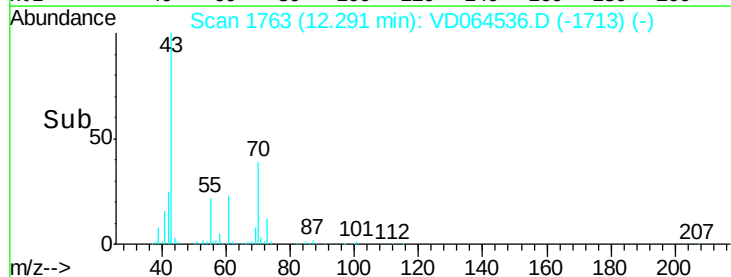
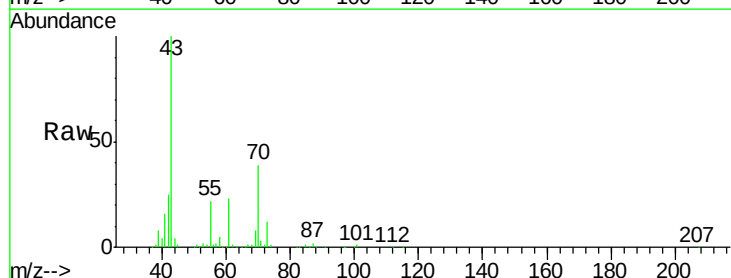
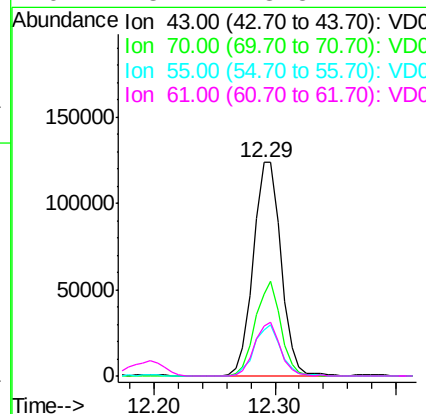
Ion Ratio Lower Upper

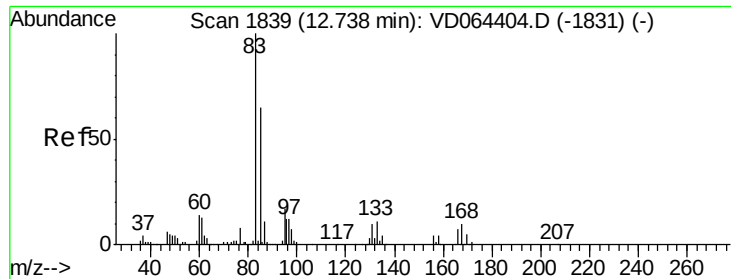
43 100

70 40.6 33.4 50.2

55 23.2 18.9 28.3

61 23.1 18.5 27.7





#75

1,1,2,2-Tetrachloroethane

Concen: 47.467 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD064536.D

Acq: 17 Dec 2019 10:36

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 83 Resp: 143382

Ion Ratio Lower Upper

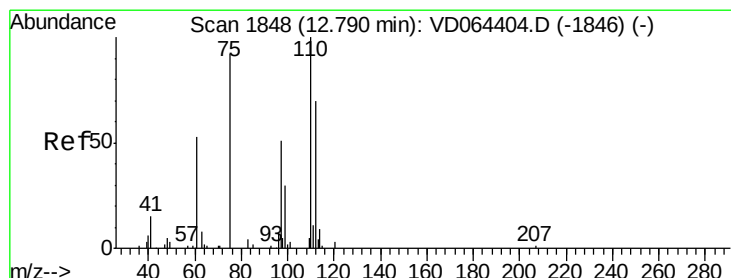
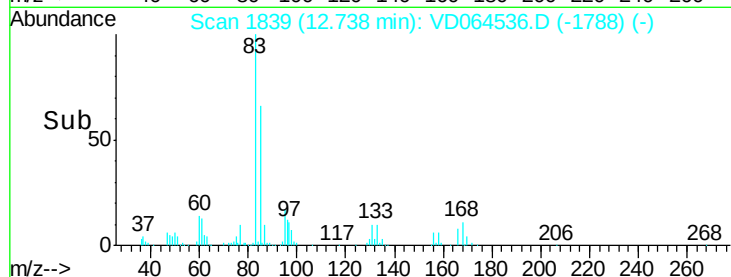
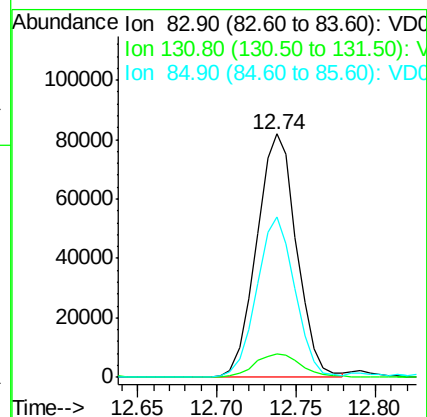
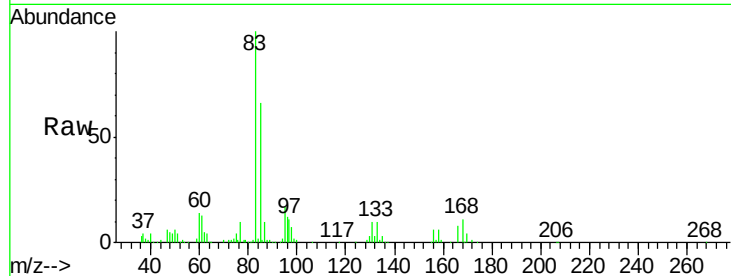
83 100

131 11.3 5.7 17.0

85 63.0 31.3 93.9

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 52.870 ug/l m

RT: 12.79 min Scan# 1848

Delta R.T. 0.00 min

Lab File: VD064536.D

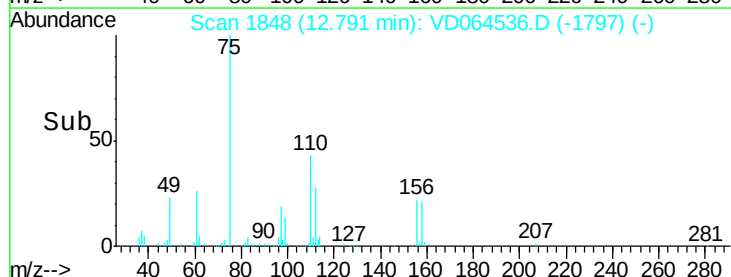
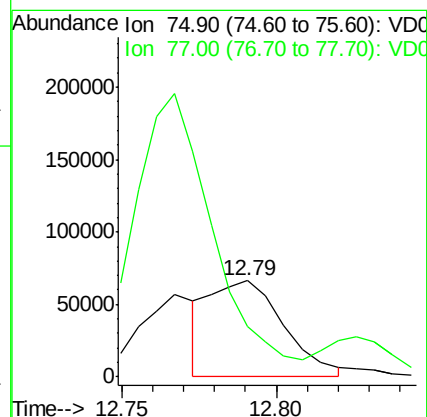
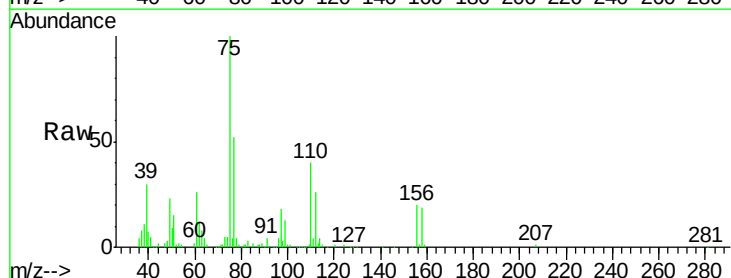
Acq: 17 Dec 2019 10:36

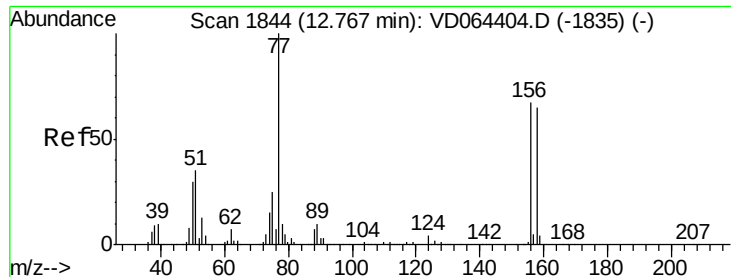
Tgt Ion: 75 Resp: 110425

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





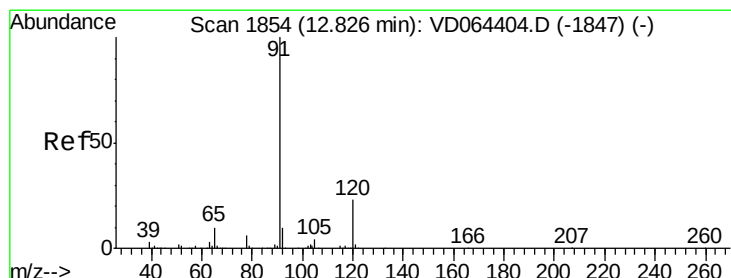
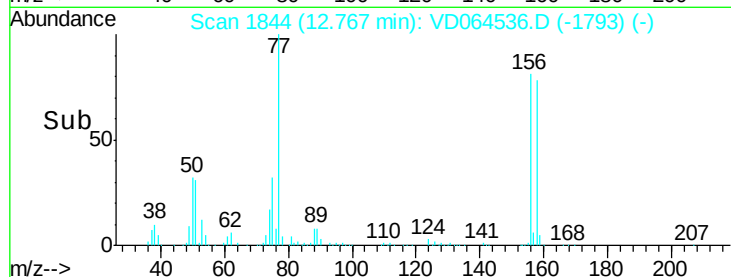
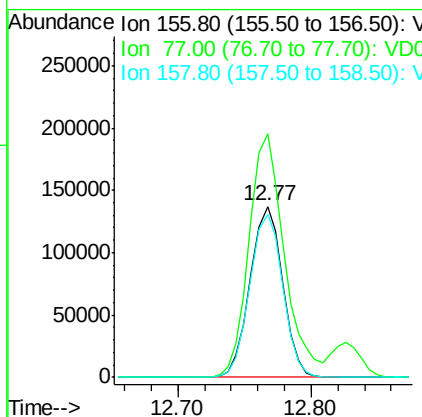
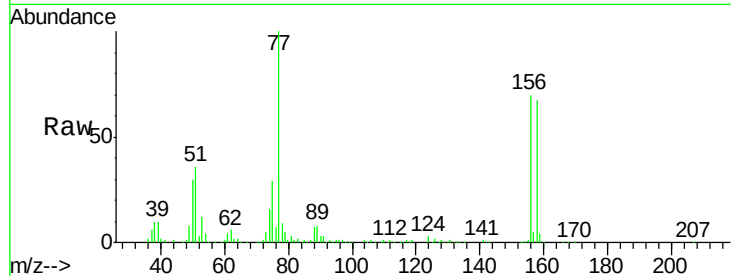
#77
Bromobenzene
Concen: 50.850 ug/l
RT: 12.77 min Scan# 1844
Delta R.T. 0.00 min
Lab File: VD064536.D
Acq: 17 Dec 2019 10:36

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	155.6	80.0	240.2
158	97.2	48.9	146.6

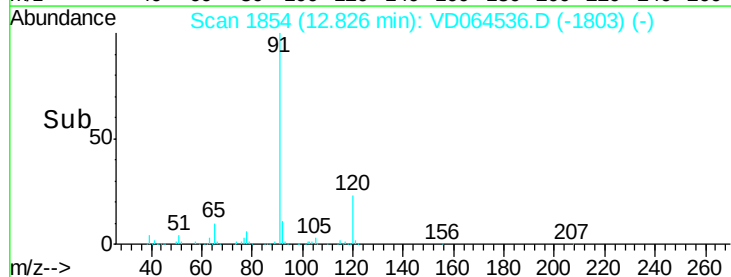
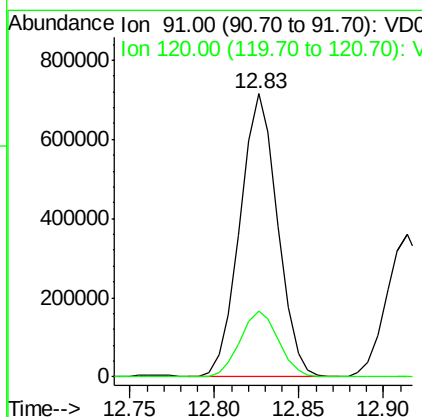
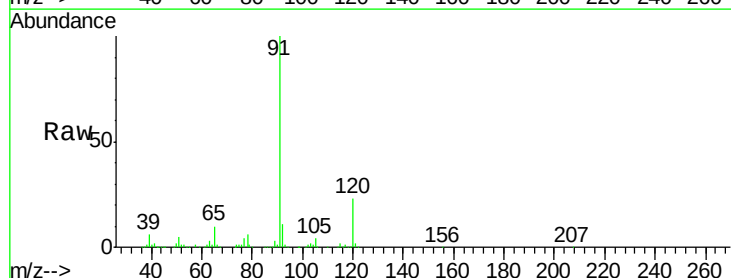
Manual Integrations
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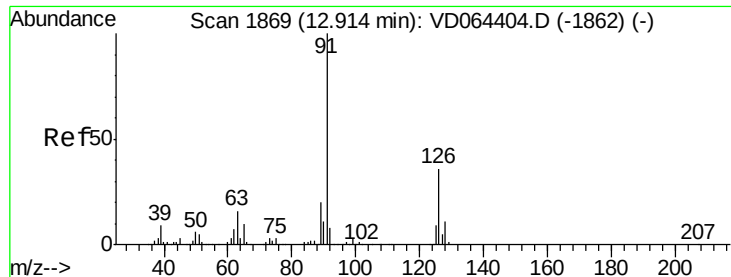
MMDadoda
12/18/2019 1:00:37 PM



#78
n-propylbenzene
Concen: 52.534 ug/l
RT: 12.83 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VD064536.D
Acq: 17 Dec 2019 10:36

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.9	11.9	35.9





#79

2-Chlorotoluene

Concen: 51.644 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD064536.D

Acq: 17 Dec 2019 10:36

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 598908

Ion Ratio Lower Upper

91 100

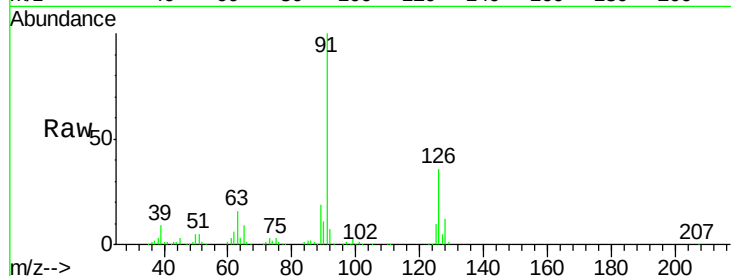
126 36.5 18.0 54.0

Manual Integrations

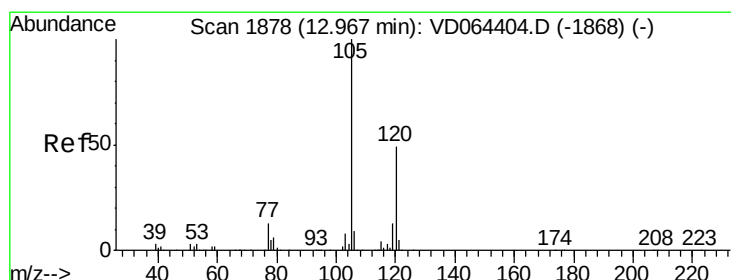
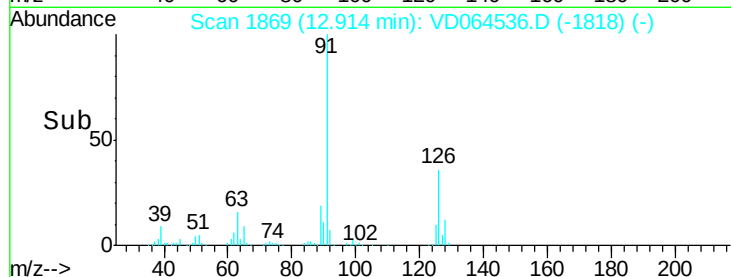
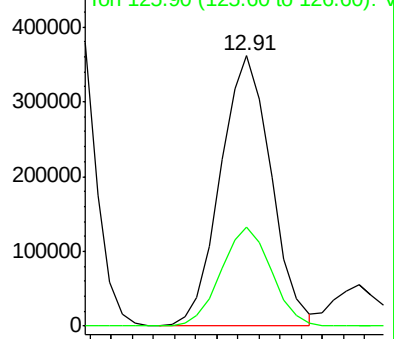
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Abundance Ion 91.00 (90.70 to 91.70): VD064536.D (-1862) (-)



#80

1,3,5-Trimethylbenzene

Concen: 51.328 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD064536.D

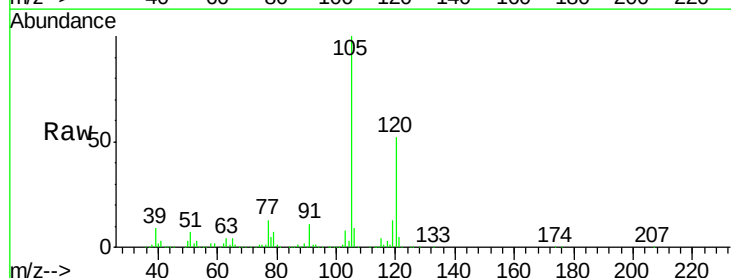
Acq: 17 Dec 2019 10:36

Tgt Ion: 105 Resp: 766178

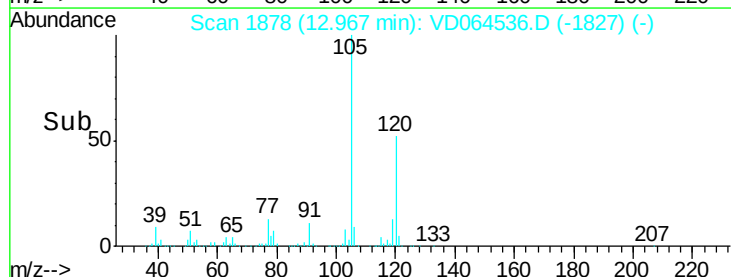
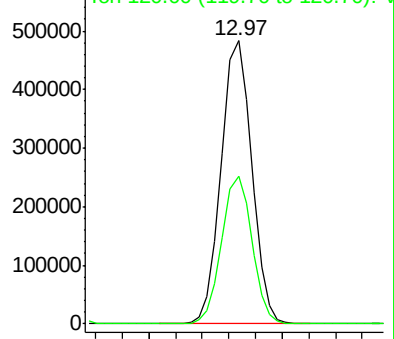
Ion Ratio Lower Upper

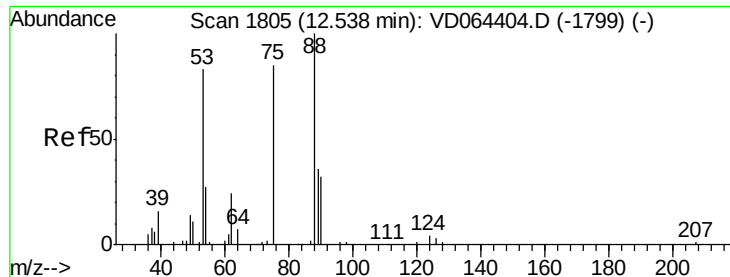
105 100

120 51.8 25.1 75.3



Abundance Ion 105.00 (104.70 to 105.70): VD064536.D (-1827) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 50.344 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. -0.01 min

Lab File: VD064536.D

Acq: 17 Dec 2019 10:36

Instrument :

MSVOA_D

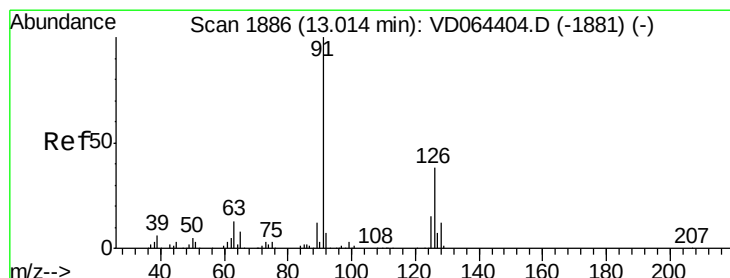
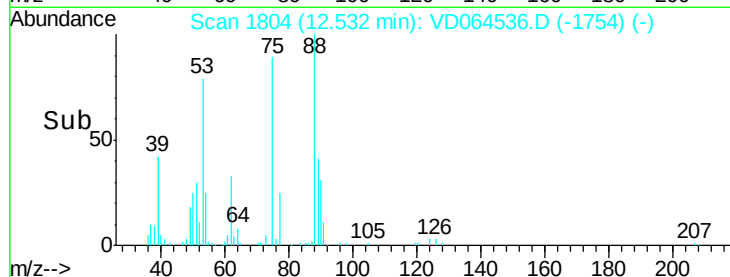
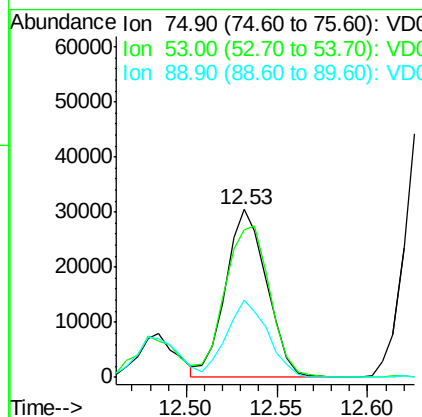
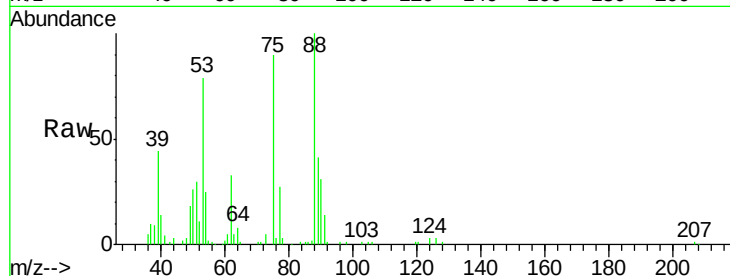
ClientSampleId :

VSTDCCC050

Tot Ion:	75	Resp:	48222
Ion	Ratio	Lower	Upper
75	100		
53	98.6	81.0	121.6
89	45.8	38.5	57.7

Manual Integrations
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#82

4-Chlorotoluene

Concen: 50.987 ug/l

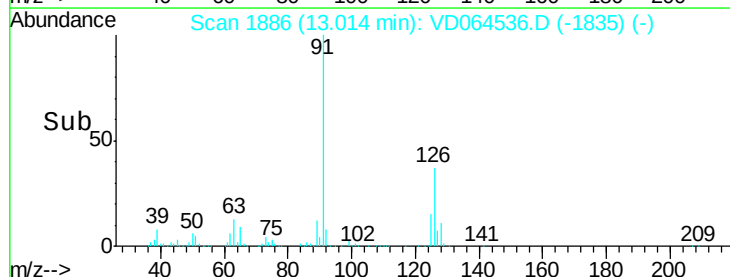
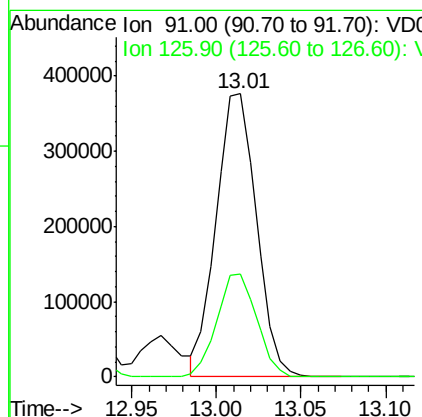
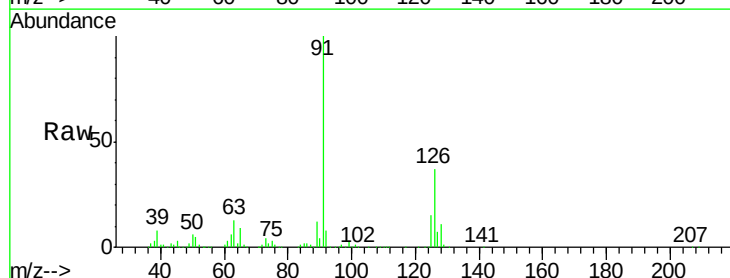
RT: 13.01 min Scan# 1886

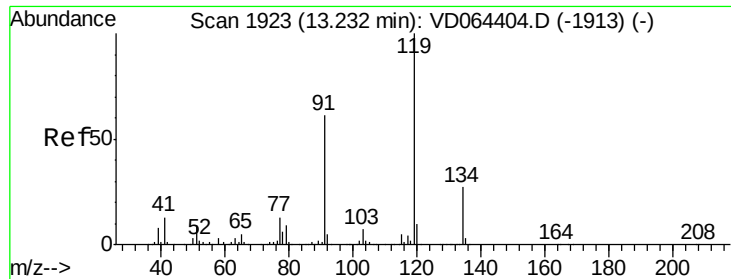
Delta R.T. 0.00 min

Lab File: VD064536.D

Acq: 17 Dec 2019 10:36

Tgt Ion:	91	Resp:	626038
Ion	Ratio	Lower	Upper
91	100		
126	36.2	18.2	54.6





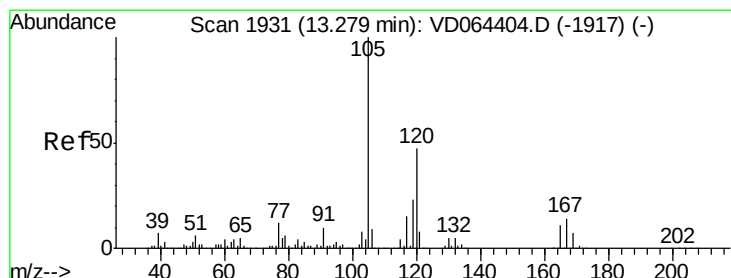
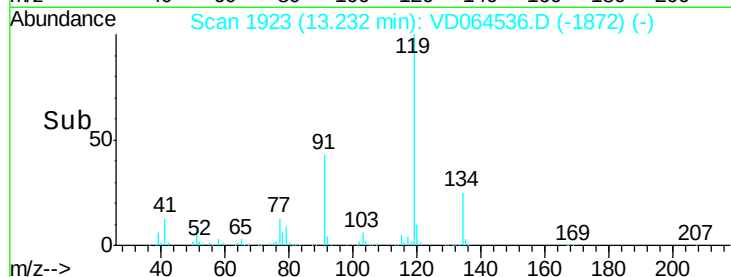
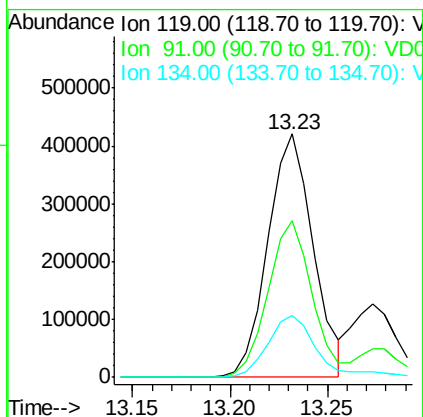
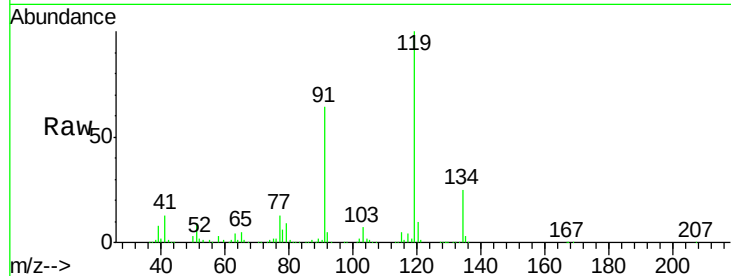
#83
tert-Butylbenzene
Concen: 52.170 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. 0.00 min
Lab File: VD064536.D
Acq: 17 Dec 2019 10:36

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	63.2	31.2	93.6
134	27.6	13.9	41.7

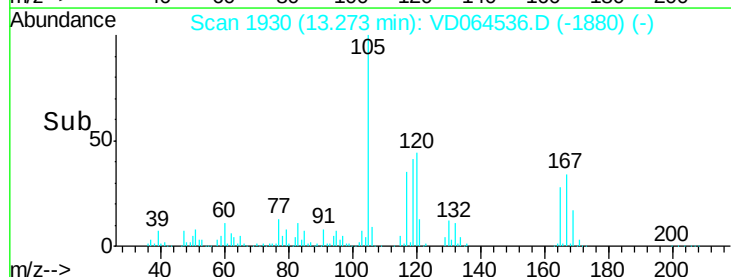
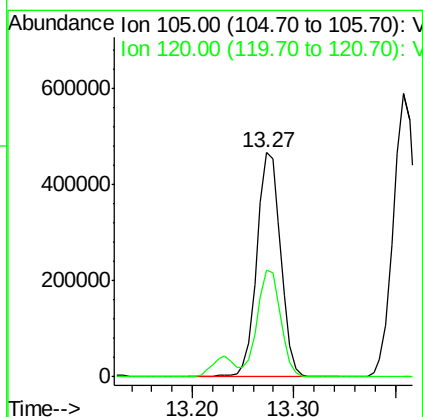
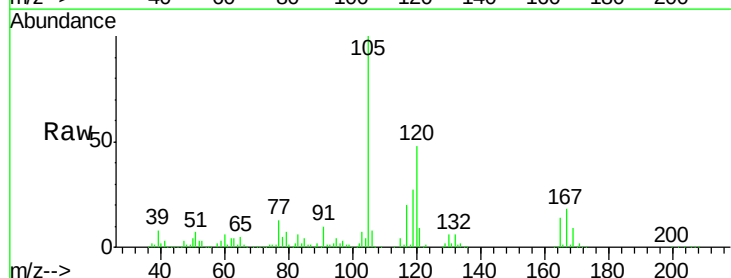
Manual Integrations
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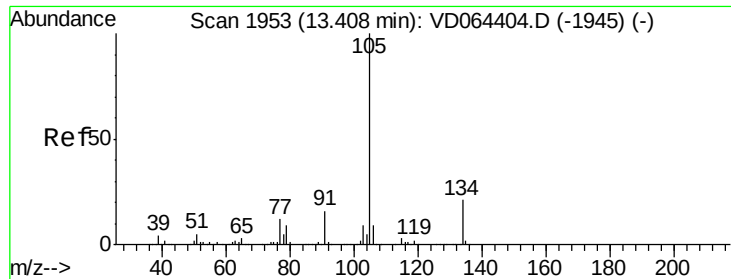
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 51.015 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. -0.01 min
Lab File: VD064536.D
Acq: 17 Dec 2019 10:36

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.6	23.6	70.8





#85

sec-Butylbenzene

Concen: 51.948 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD064536.D

Acq: 17 Dec 2019 10:36

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 925242

Ion Ratio Lower Upper

105 100

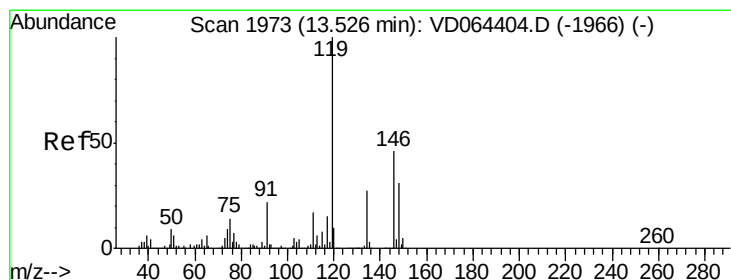
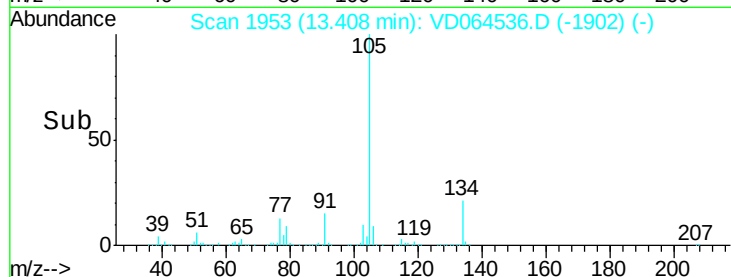
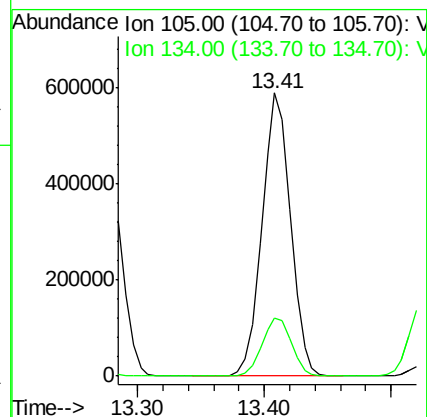
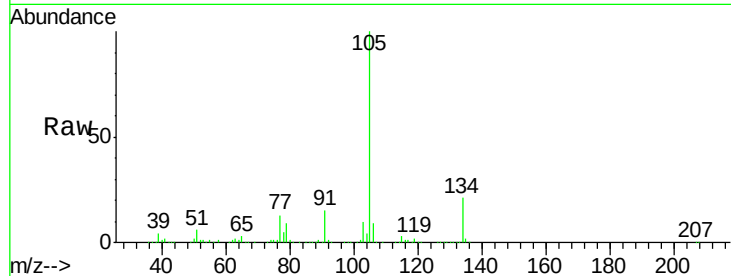
134 21.2 10.5 31.5

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 51.979 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD064536.D

Acq: 17 Dec 2019 10:36

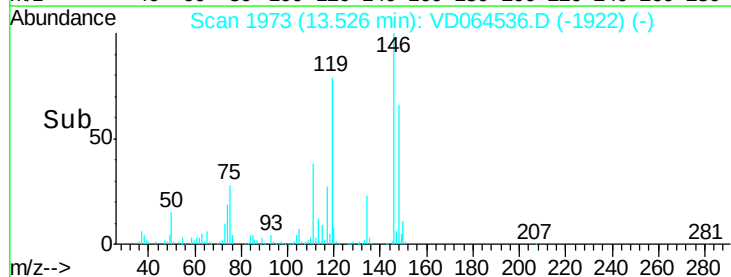
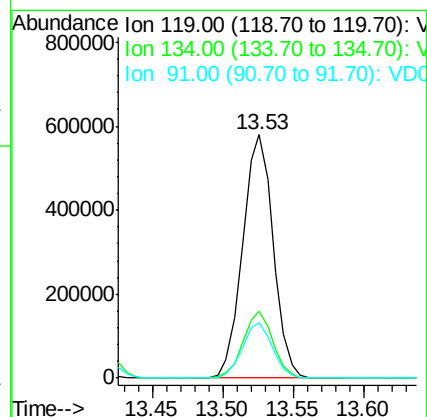
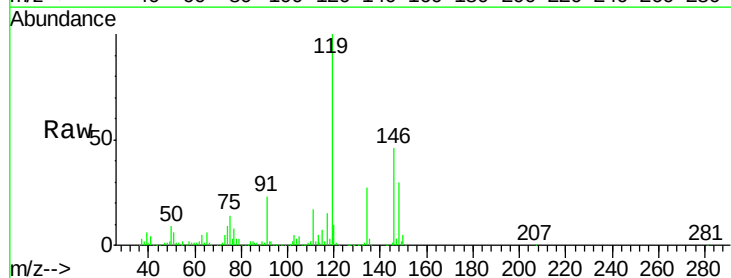
Tgt Ion:119 Resp: 874029

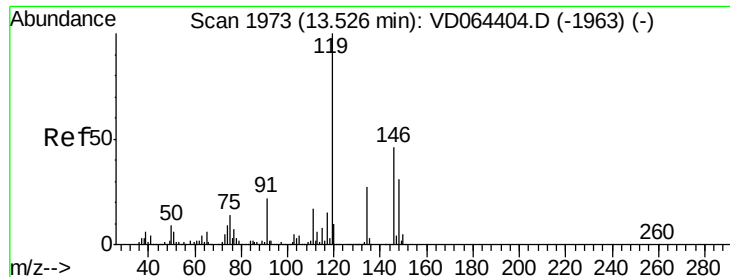
Ion Ratio Lower Upper

119 100

134 26.8 13.5 40.4

91 22.2 11.2 33.5





#87

1,3-Dichlorobenzene

Concen: 50.488 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD064536.D

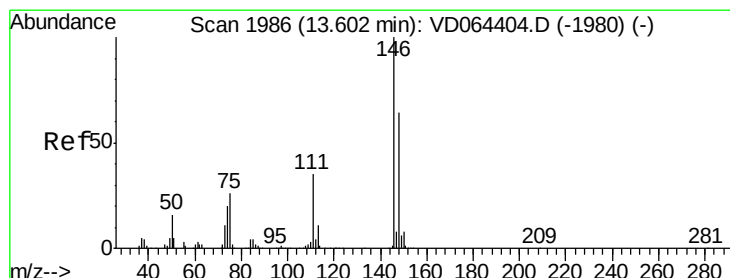
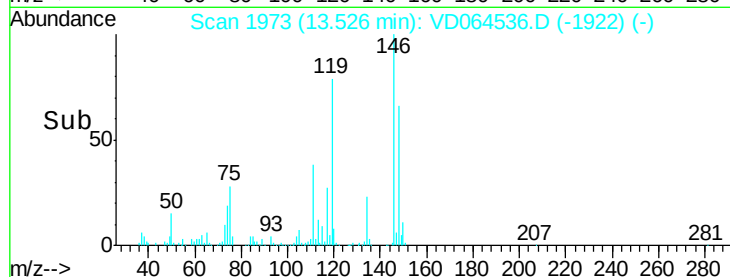
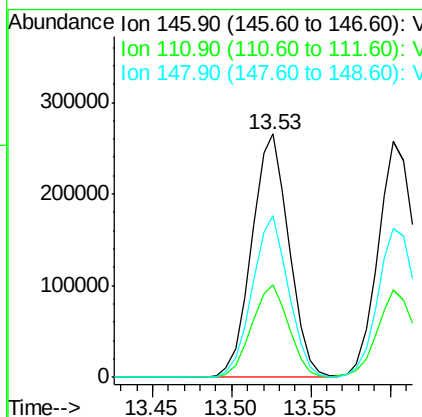
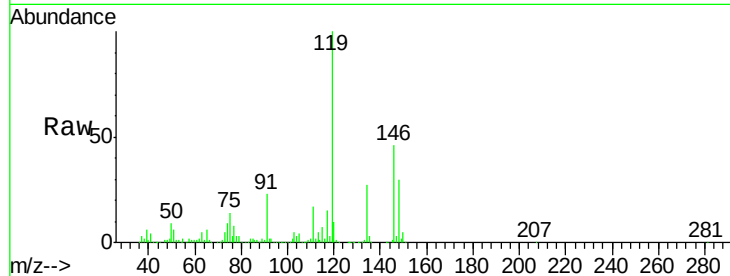
Acq: 17 Dec 2019 10:36

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.1	18.8	56.4
148	64.9	32.6	97.8

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 49.531 ug/l

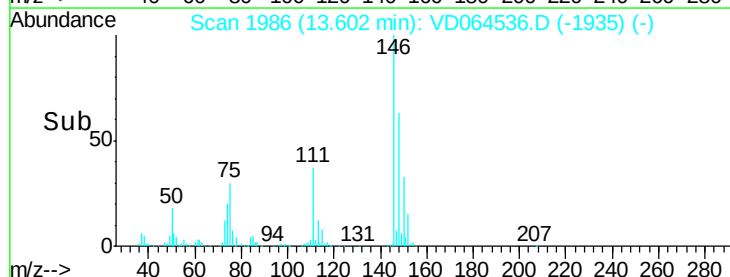
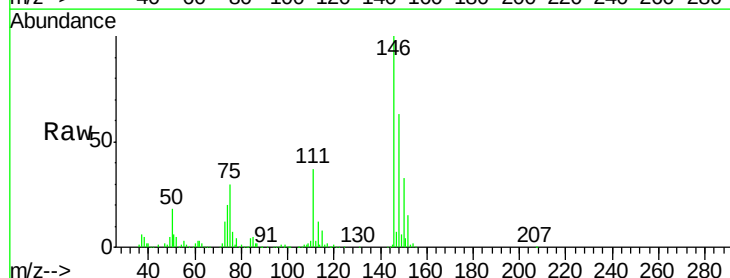
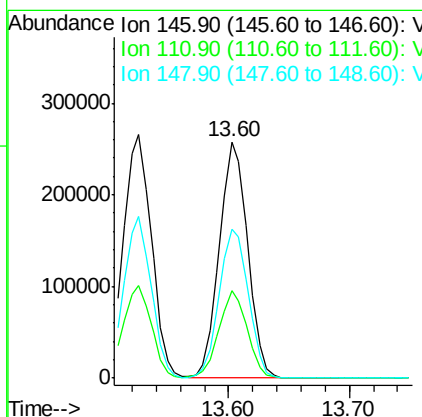
RT: 13.60 min Scan# 1986

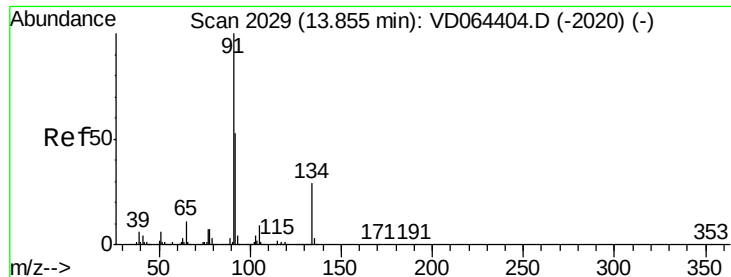
Delta R.T. 0.00 min

Lab File: VD064536.D

Acq: 17 Dec 2019 10:36

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.9	18.2	54.6
148	64.9	31.8	95.4





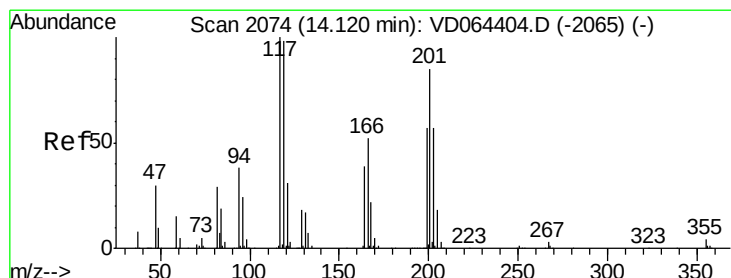
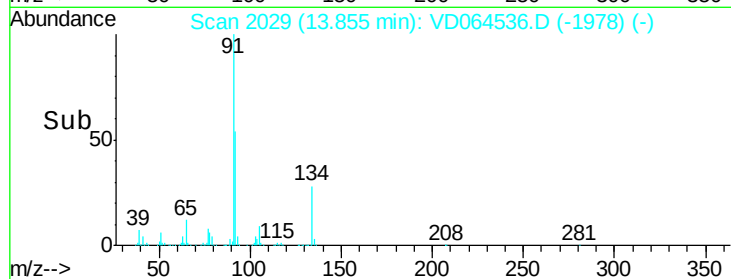
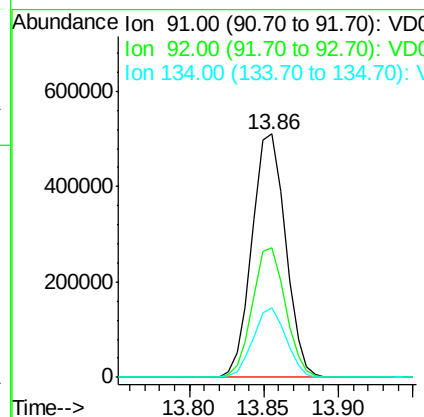
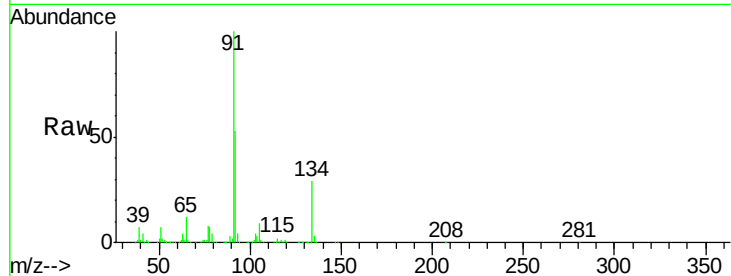
#89
n-Butylbenzene
Concen: 52.131 ug/l
RT: 13.86 min Scan# 2029
Delta R.T. 0.00 min
Lab File: VD064536.D
Acq: 17 Dec 2019 10:36

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
91	100	796051		
92	52.5		26.5	79.4
134	28.0		13.9	41.7

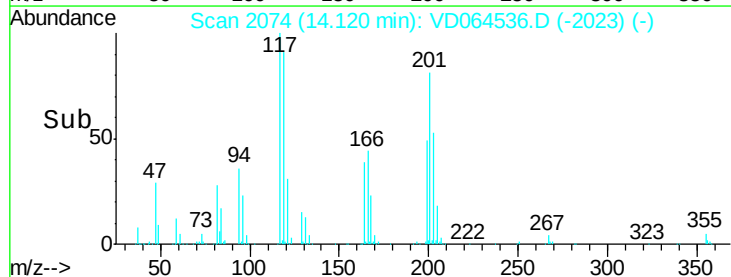
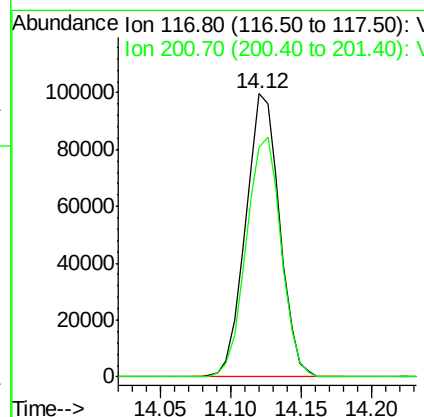
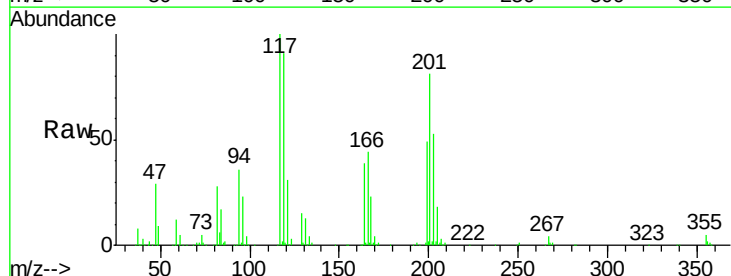
Manual Integrations
APPROVED

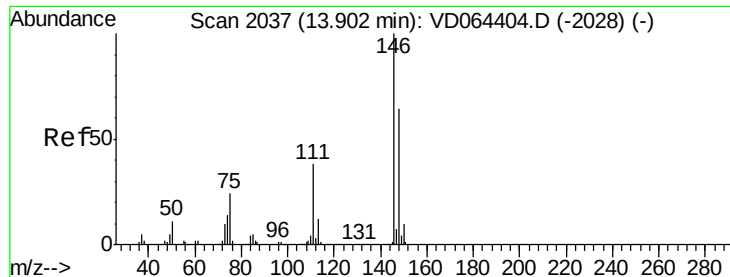
MMDadoda
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#90
Hexachloroethane
Concen: 53.392 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD064536.D
Acq: 17 Dec 2019 10:36

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	167923		
201	87.0		44.3	132.8





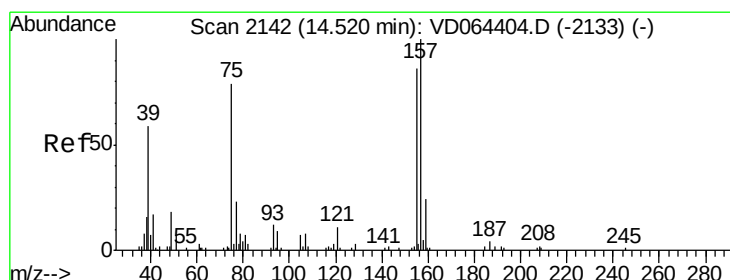
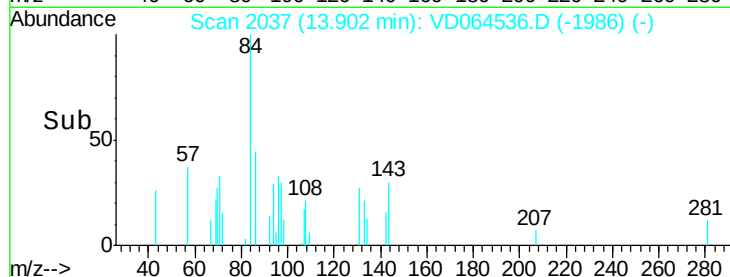
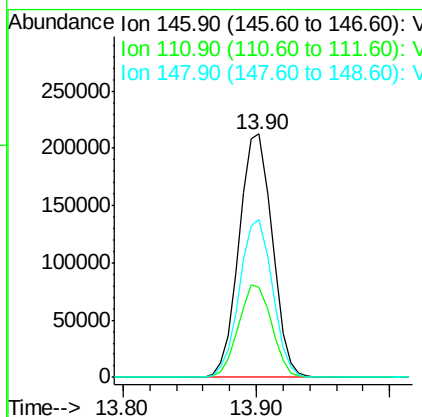
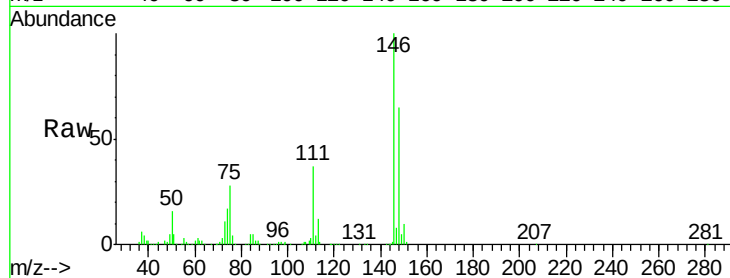
#91
 1,2-Dichlorobenzene
 Concen: 50.097 ug/l
 RT: 13.90 min Scan# 2037
 Delta R.T. 0.00 min
 Lab File: VD064536.D
 Acq: 17 Dec 2019 10:36

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.1	19.1	57.3
148	64.6	32.0	96.0

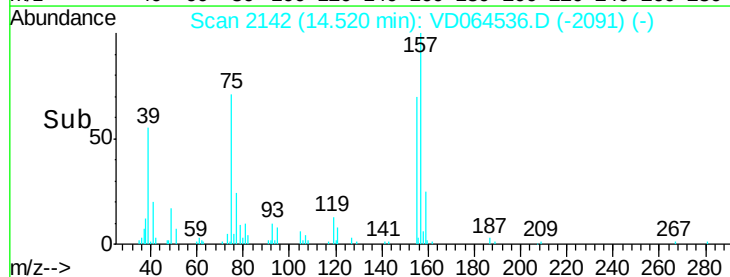
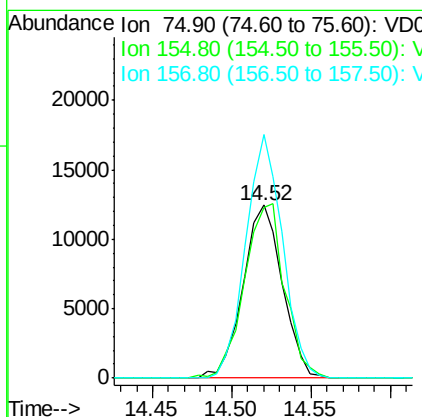
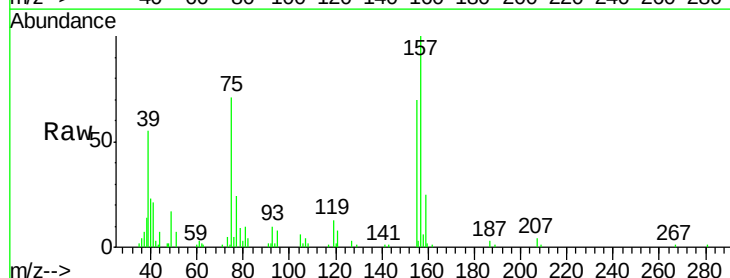
Manual Integrations
 APPROVED

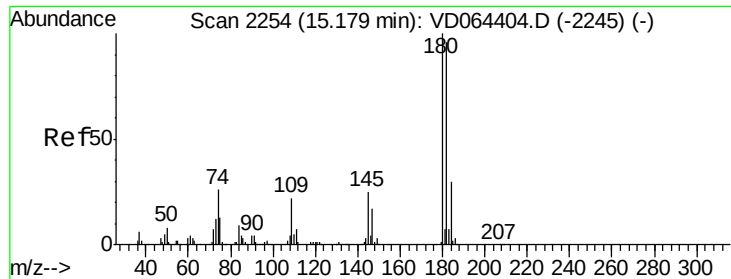
MMDadoda
 12/18/2019 1:00:37 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 47.345 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. 0.00 min
 Lab File: VD064536.D
 Acq: 17 Dec 2019 10:36

Tgt Ion	Ratio	Lower	Upper
75	100		
155	103.0	51.9	155.7
157	132.2	63.2	189.8





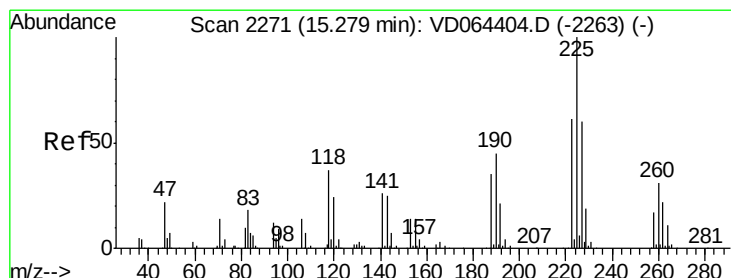
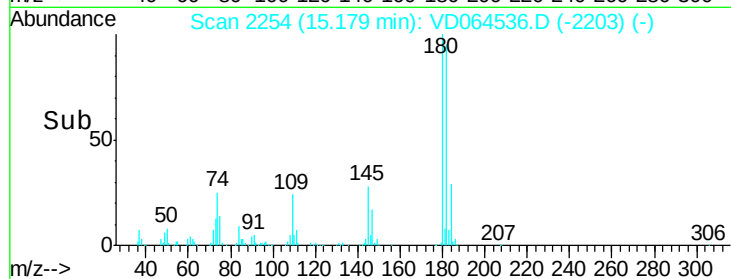
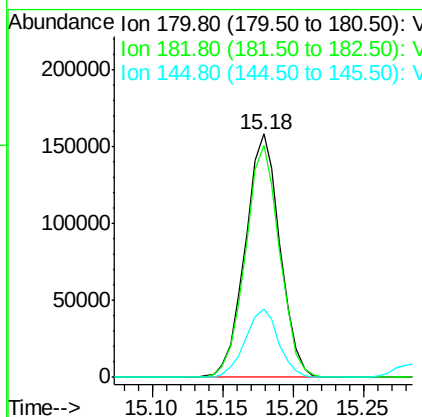
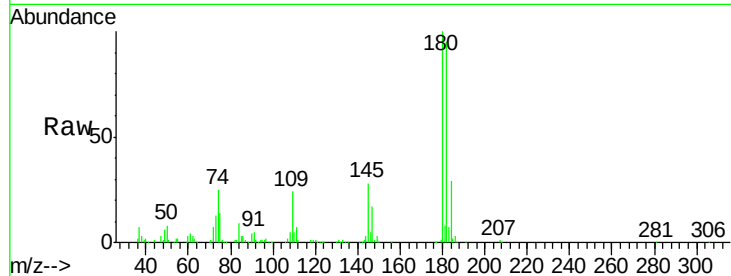
#93
 1,2,4-Trichlorobenzene
 Concen: 48.534 ug/l
 RT: 15.18 min Scan# 2254
 Delta R.T. 0.00 min
 Lab File: VD064536.D
 Acq: 17 Dec 2019 10:36

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	271957		
182	93.9	47.4	142.3	
145	27.2	14.0	41.9	

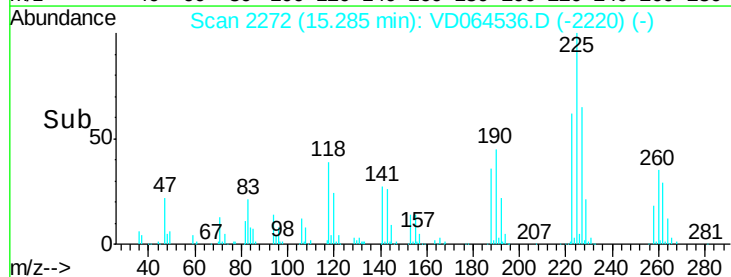
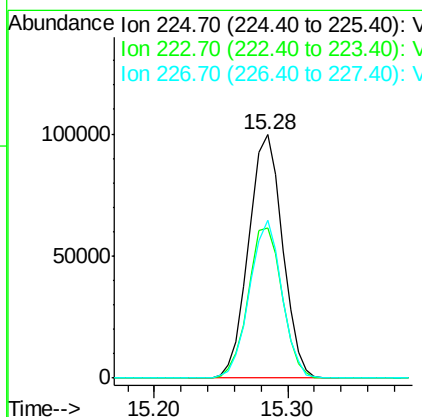
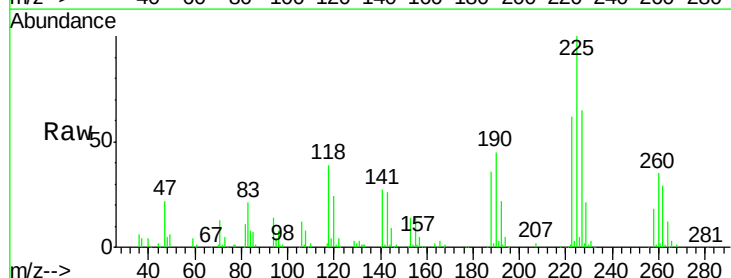
Manual Integrations
 APPROVED

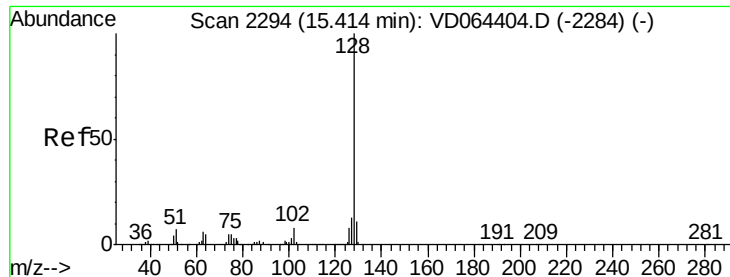
MMDadoda
 12/18/2019 1:00:37 PM



#94
 Hexachlorobutadiene
 Concen: 50.541 ug/l
 RT: 15.28 min Scan# 2272
 Delta R.T. 0.01 min
 Lab File: VD064536.D
 Acq: 17 Dec 2019 10:36

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	174833		
223	62.0	31.1	93.3	
227	61.6	31.8	95.4	





#95

Naphthalene

Concen: 46.359 ug/l

RT: 15.42 min Scan# 2295

Delta R.T. 0.01 min

Lab File: VD064536.D

Acq: 17 Dec 2019 10:36

Instrument :

MSVOA_D

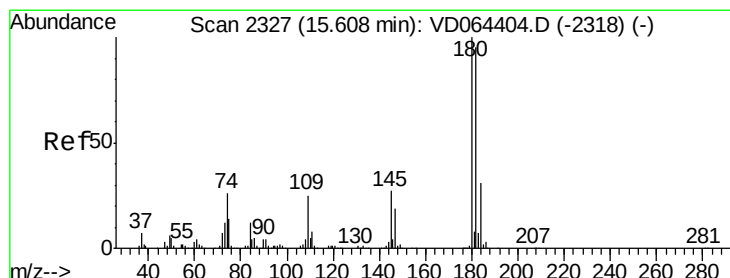
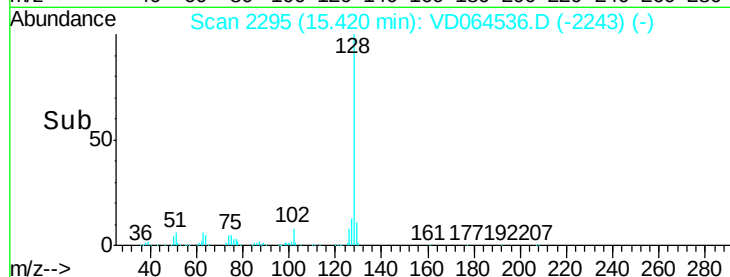
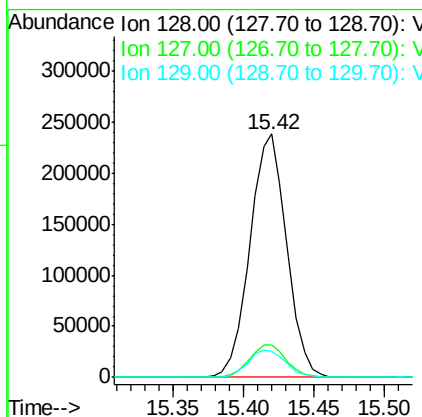
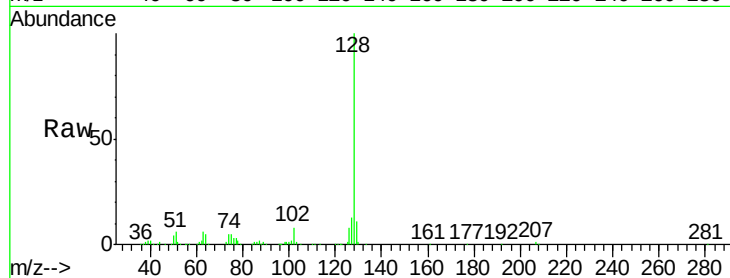
ClientSampleId :

VSTDCCC050

Tot Ion:	128	Resp:	433528
Ion Ratio	Lower	Upper	
128	100		
127	13.6	10.5	15.7
129	11.6	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
12/18/2019 1:00:37 PM



#96

1,2,3-Trichlorobenzene

Concen: 47.755 ug/l

RT: 15.61 min Scan# 2327

Delta R.T. 0.00 min

Lab File: VD064536.D

Acq: 17 Dec 2019 10:36

Tgt Ion:	180	Resp:	228419
Ion Ratio	Lower	Upper	
180	100		
182	95.1	47.6	142.9
145	30.3	14.6	43.8

