

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD101419\
 Data File : VD063953.D
 Acq On : 14 Oct 2019 14:01
 Operator : VA/SY
 Sample : VD1014SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1014SBS01

Manual Integrations
 APPROVED

MMDadoda
 10/16/2019 12:54:30 AM

Quant Time: Oct 14 17:24:25 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100219S.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 05 03:51:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	173708	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	280955	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	277674	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	147390	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	86946	51.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.82%	
35) Dibromofluoromethane	7.92	113	91238	53.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.28%	
50) Toluene-d8	10.34	98	366182	52.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.08%	
62) 4-Bromofluorobenzene	12.63	95	121718	50.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.52%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	27298	22.159	ug/l	90
3) Chloromethane	2.21	50	81232	21.954	ug/l	95
4) Vinyl Chloride	2.35	62	94704	23.786	ug/l	97
5) Bromomethane	2.76	94	56854	22.211	ug/l	87
6) Chloroethane	2.91	64	63484	24.110	ug/l	99
7) Trichlorofluoromethane	3.27	101	133162	25.296	ug/l	98
8) Diethyl Ether	3.71	74	20570	24.345	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	4.08	101	33997	23.331	ug/l	96
10) Methyl Iodide	4.30	142	38864	19.356	ug/l	98
11) Tert butyl alcohol	5.25	59	12751m	103.840	ug/l	
12) 1,1-Dichloroethene	4.06	96	32140	22.077	ug/l	88
13) Acrolein	3.92	56	12106	80.148	ug/l	91
14) Allyl chloride	4.70	41	52636	21.747	ug/l	98
15) Acrylonitrile	5.43	53	43431	116.588	ug/l #	89
16) Acetone	4.17	43	43080	97.841	ug/l	91
17) Carbon Disulfide	4.39	76	109564	20.704	ug/l	96
18) Methyl Acetate	4.72	43	21849	25.371	ug/l	91
19) Methyl tert-butyl Ether	5.48	73	80406	21.329	ug/l	94
20) Methylene Chloride	4.96	84	45164	21.395	ug/l	86
21) trans-1,2-Dichloroethene	5.47	96	39567	21.832	ug/l	95
22) Diisopropyl ether	6.37	45	109154	22.082	ug/l #	97
23) Vinyl Acetate	6.31	43	329380	112.009	ug/l	98
24) 1,1-Dichloroethane	6.27	63	68165	22.387	ug/l	96
25) 2-Butanone	7.22	43	59823	114.645	ug/l	98
26) 2,2-Dichloropropane	7.21	77	59045	21.437	ug/l	96
27) cis-1,2-Dichloroethene	7.21	96	45459	22.161	ug/l	98
28) Bromochloromethane	7.56	49	21842	20.029	ug/l	99
29) Tetrahydrofuran	7.58	42	33777	110.900	ug/l	97
30) Chloroform	7.71	83	72002	21.772	ug/l	99
31) Cyclohexane	7.98	56	65376	23.885	ug/l #	96
32) 1,1,1-Trichloroethane	7.90	97	64889	22.874	ug/l	96
36) 1,1-Dichloropropene	8.11	75	58308	22.698	ug/l	98
37) Ethyl Acetate	7.30	43	24306	21.308	ug/l #	91
38) Carbon Tetrachloride	8.09	117	59038	22.743	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	70176	22.218	ug/l	99
40) Benzene	8.35	78	164461	22.341	ug/l	100
41) Methacrylonitrile	7.54	41	13040	21.895	ug/l #	89
42) 1,2-Dichloroethane	8.43	62	46530	21.851	ug/l	98
43) Isopropyl Acetate	8.46	43	48147	22.349	ug/l	98
44) Trichloroethene	9.11	130	47290	22.277	ug/l	86
45) 1,2-Dichloropropane	9.39	63	38707	21.482	ug/l	94
46) Dibromomethane	9.48	93	22991	22.405	ug/l	96
47) Bromodichloromethane	9.67	83	55208	20.896	ug/l	95
48) Methyl methacrylate	9.46	41	21451	20.782	ug/l	96
49) 1,4-Dioxane	9.47	88	6586	470.186	ug/l	96
51) 4-Methyl-2-Pentanone	10.23	43	126772	113.465	ug/l	98
52) Toluene	10.41	92	110978	21.960	ug/l	97
53) t-1,3-Dichloropropene	10.63	75	55449	21.508	ug/l	93
54) cis-1,3-Dichloropropene	10.09	75	62268	20.982	ug/l	95
55) 1,1,2-Trichloroethane	10.80	97	32774	22.620	ug/l	94
56) Ethyl methacrylate	10.66	69	37527	20.452	ug/l	95
57) 1,3-Dichloropropane	10.95	76	53383	21.534	ug/l	95
58) 2-Chloroethyl Vinyl ether	9.95	63	81201	102.958	ug/l	97
59) 2-Hexanone	10.99	43	90269	111.690	ug/l	100
60) Dibromochloromethane	11.14	129	38974	20.661	ug/l	99
61) 1,2-Dibromoethane	11.25	107	32849	23.386	ug/l	97
64) Tetrachloroethene	10.88	164	40360	21.291	ug/l	91
65) Chlorobenzene	11.67	112	123423	22.133	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	44110	21.467	ug/l	95
67) Ethyl Benzene	11.74	91	217430	21.623	ug/l	99
68) m/p-Xylenes	11.85	106	172769	44.515	ug/l	99
69) o-Xylene	12.18	106	79537	21.402	ug/l	97
70) Styrene	12.20	104	135841	21.592	ug/l	99
71) Bromoform	12.37	173	25421	23.052	ug/l #	99
73) Isopropylbenzene	12.48	105	216039	21.804	ug/l	97
74) N-amyl acetate	12.29	43	45241	21.207	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	38912	22.569	ug/l	100
76) 1,2,3-Trichloropropane	12.79	75	26630m	26.976	ug/l	
77) Bromobenzene	12.77	156	52590	21.304	ug/l	98
78) n-propylbenzene	12.82	91	266369	22.903	ug/l	98
79) 2-Chlorotoluene	12.91	91	139391	21.736	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	182896	22.126	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	11931	21.387	ug/l	96
82) 4-Chlorotoluene	13.01	91	146347	21.513	ug/l	99
83) tert-Butylbenzene	13.23	119	156981	21.338	ug/l	97
84) 1,2,4-Trimethylbenzene	13.27	105	187971	22.057	ug/l	97
85) sec-Butylbenzene	13.40	105	221397	22.284	ug/l	98
86) p-Isopropyltoluene	13.52	119	208766	22.206	ug/l	100
87) 1,3-Dichlorobenzene	13.52	146	107423	22.024	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	109037	22.659	ug/l	98
89) n-Butylbenzene	13.84	91	200061	22.862	ug/l	99
90) Hexachloroethane	14.11	117	38030	22.491	ug/l	97
91) 1,2-Dichlorobenzene	13.89	146	94111	22.389	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	5952	20.782	ug/l	81

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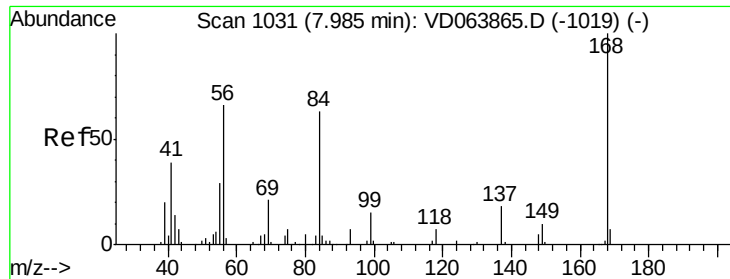
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	65905	20.320	ug/l	99
94) Hexachlorobutadiene	15.27	225	36880	20.605	ug/l	90
95) Naphthalene	15.40	128	119986	22.010	ug/l	97
96) 1,2,3-Trichlorobenzene	15.60	180	60343	21.563	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD063953.D

Acq: 14 Oct 2019 14:01

Instrument :

MSVOA_D

ClientSampleId :

VD1014SBSD01

Tot Ion:168 Resp: 173708

Ion Ratio Lower Upper

168 100

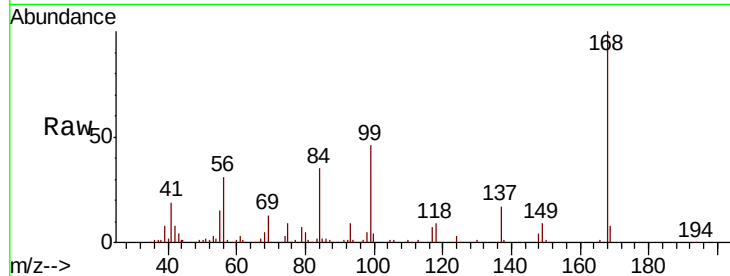
99 46.2 43.0 64.4

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

80000

60000

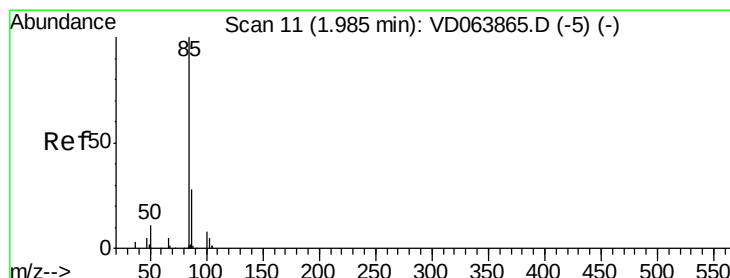
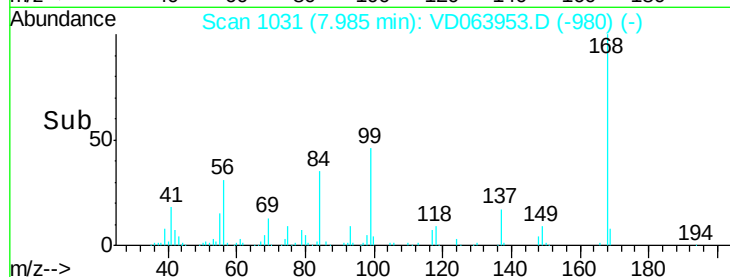
40000

20000

0

7.90 7.95 8.00 8.05

Time-->



#2

Dichlorodifluoromethane

Concen: 22.159 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.01 min

Lab File: VD063953.D

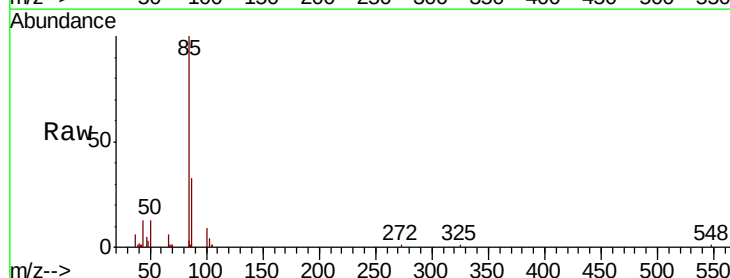
Acq: 14 Oct 2019 14:01

Tgt Ion: 85 Resp: 27298

Ion Ratio Lower Upper

85 100

87 33.2 14.0 42.0



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

20000

15000

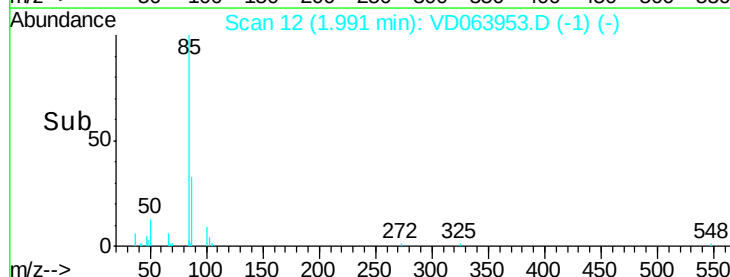
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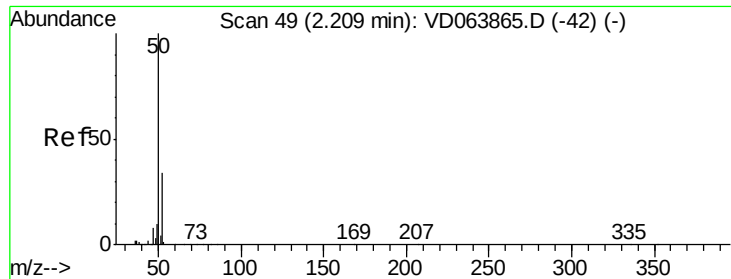
5000

0

1.95 2.00 2.05

Time-->





#3

Chloromethane

Concen: 21.954 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD063953.D

Acq: 14 Oct 2019 14:01

Instrument :

MSVOA_D

ClientSampleId :

VD1014SBSD01

Tot Ion: 50 Resp: 81232

Ion Ratio Lower Upper

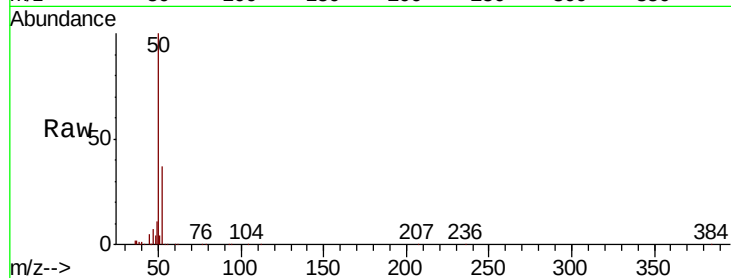
50 100

52 37.2 27.5 41.3

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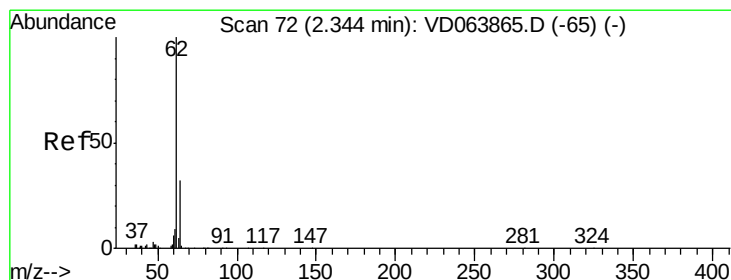
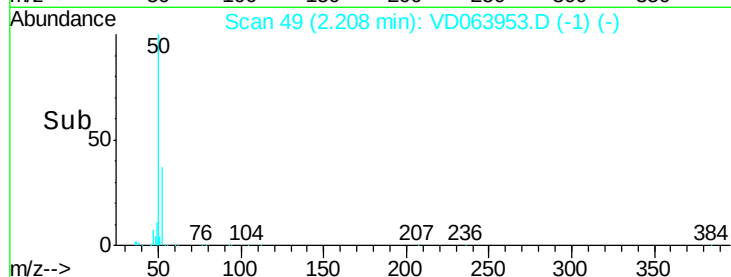
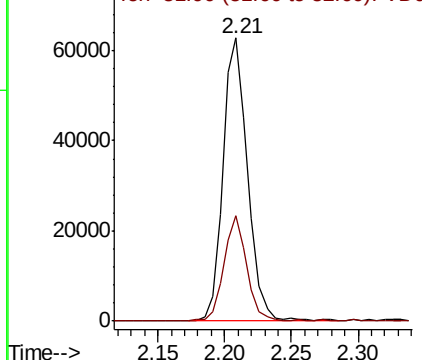
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 23.786 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.01 min

Lab File: VD063953.D

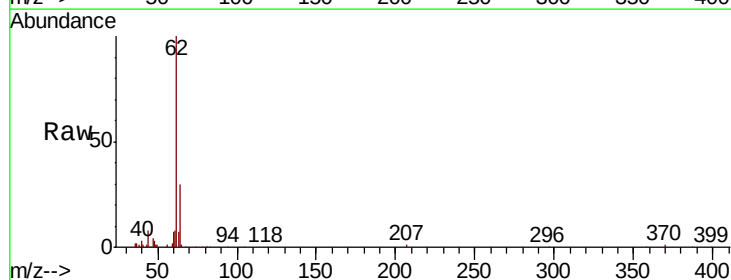
Acq: 14 Oct 2019 14:01

Tgt Ion: 62 Resp: 94704

Ion Ratio Lower Upper

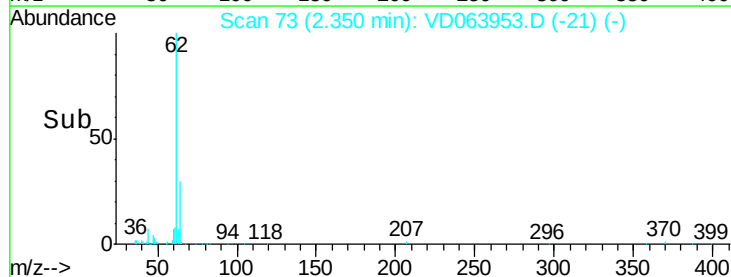
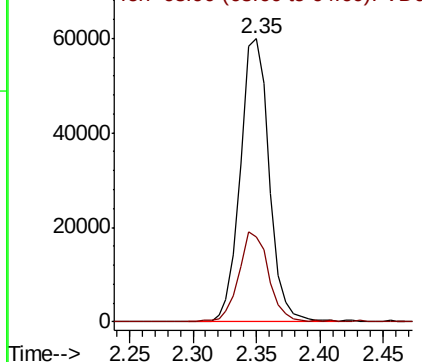
62 100

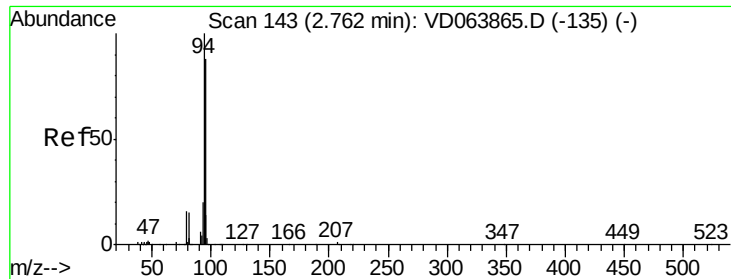
64 29.8 25.4 38.0



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 22.211 ug/l

RT: 2.76 min Scan# 142

Delta R.T. -0.01 min

Lab File: VD063953.D

Acq: 14 Oct 2019 14:01

Instrument :

MSVOA_D

ClientSampleId :

VD1014SBSD01

Tot Ion: 94 Resp: 56854

Ion Ratio Lower Upper

94 100

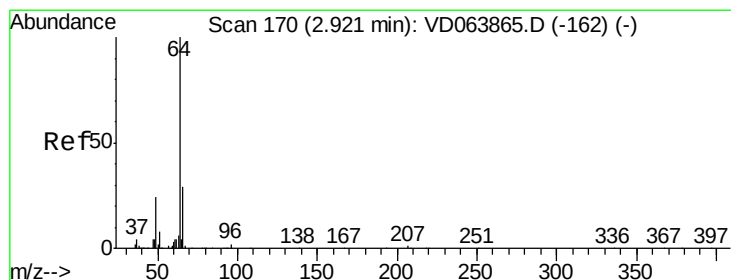
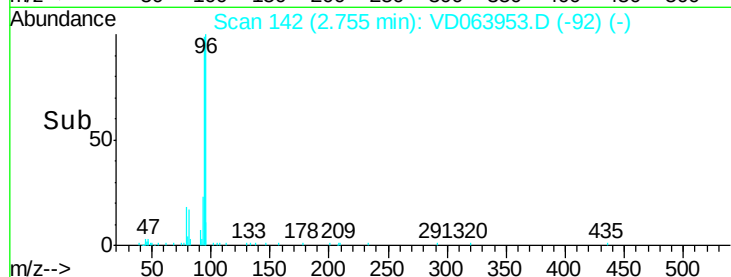
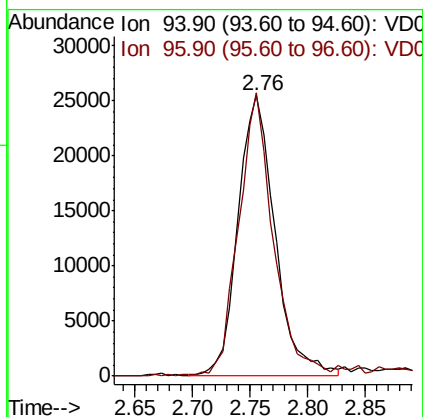
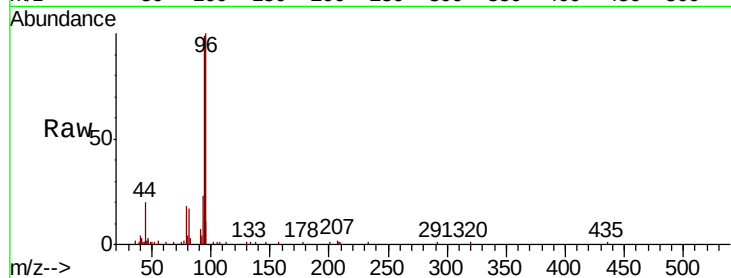
96 100.3 70.8 106.2

Manual Integrations

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#6

Chloroethane

Concen: 24.110 ug/l

RT: 2.91 min Scan# 169

Delta R.T. -0.01 min

Lab File: VD063953.D

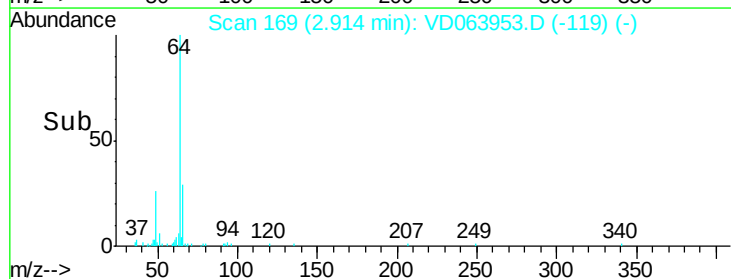
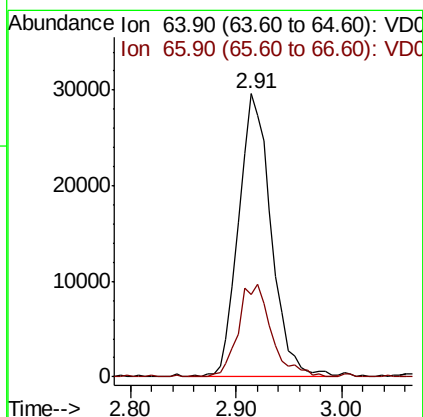
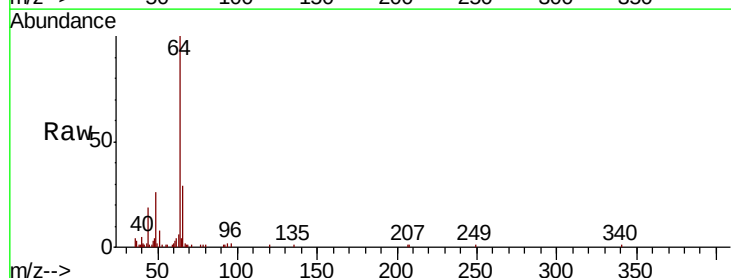
Acq: 14 Oct 2019 14:01

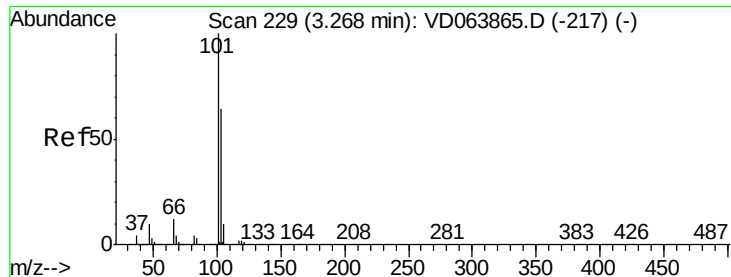
Tgt Ion: 64 Resp: 63484

Ion Ratio Lower Upper

64 100

66 29.1 23.0 34.4





#7

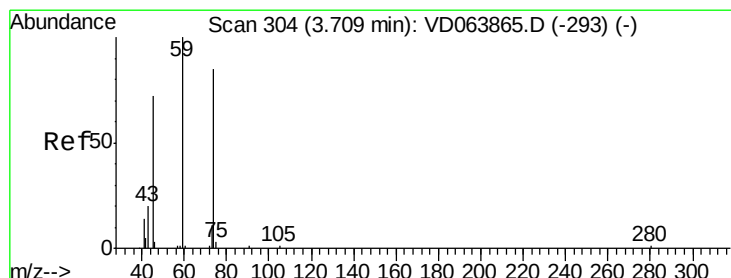
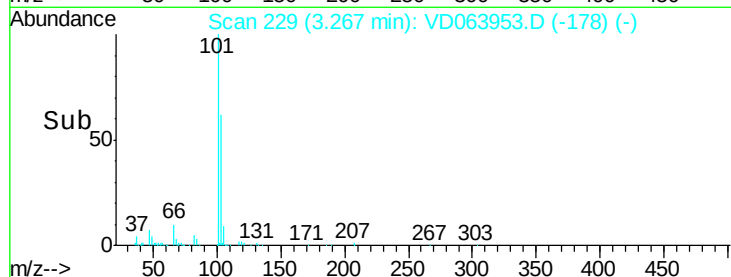
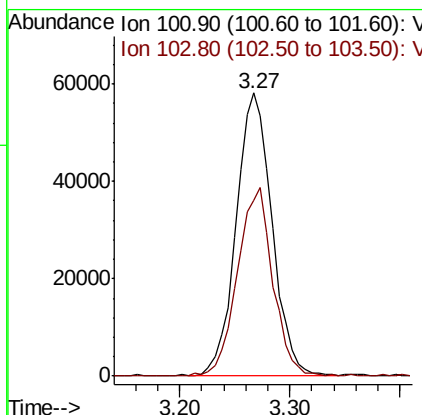
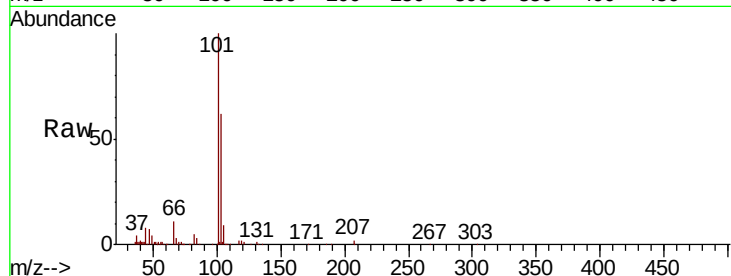
Trichlorofluoromethane
 Concen: 25.296 ug/l
 RT: 3.27 min Scan# 229
 Delta R.T. -0.00 min
 Lab File: VD063953.D
 Acq: 14 Oct 2019 14:01

Instrument :
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 ClientSampleId :
 VD1014SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	62.3	51.1	76.7

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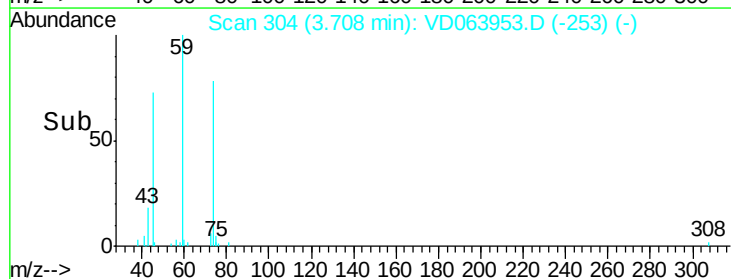
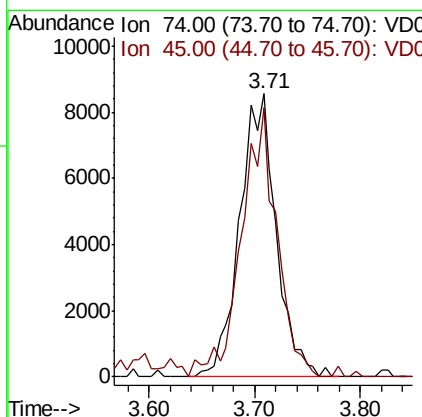
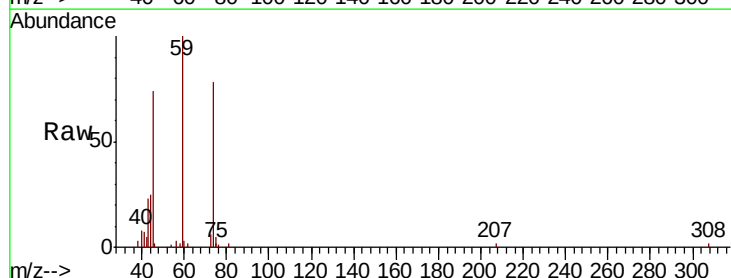
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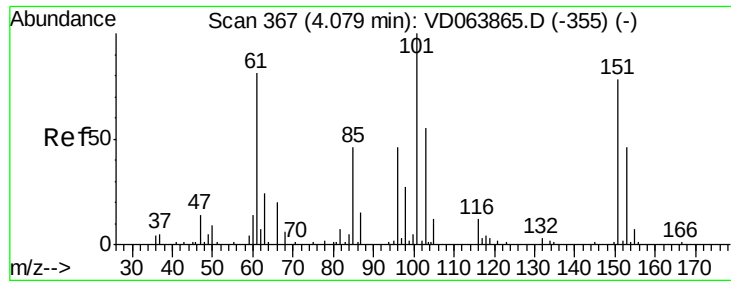


#8

Diethyl Ether
 Concen: 24.345 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. -0.00 min
 Lab File: VD063953.D
 Acq: 14 Oct 2019 14:01

Tgt Ion	Ratio	Lower	Upper
74	100		
45	91.5	48.1	144.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 23.331 ug/l

RT: 4.08 min Scan# 367

Delta R.T. -0.00 min

Lab File: VD063953.D

Acq: 14 Oct 2019 14:01

Instrument :

MSVOA_D

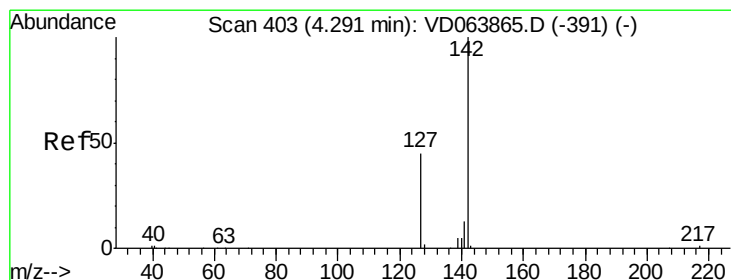
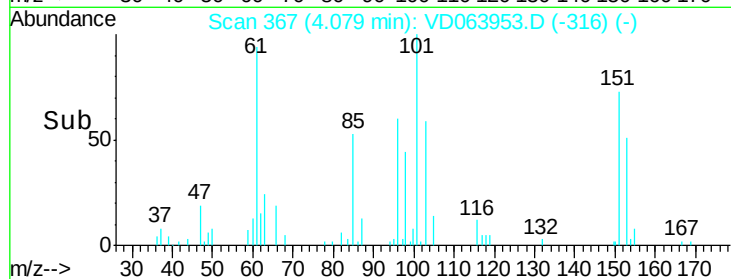
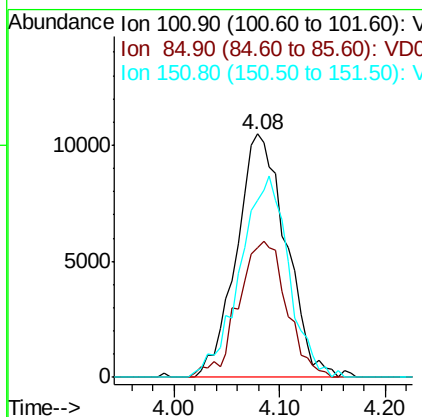
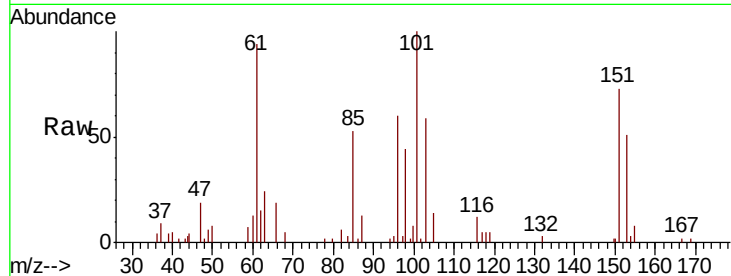
ClientSampleId :

VD1014SBS01

Tot Ion:	101	Resp:	33997
Ion Ratio	Lower	Upper	
101	100		
85	54.6	37.5	56.3
151	81.5	65.5	98.3

Manual Integrations
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10/16/2019 12:54:30 AM



#10

Methyl Iodide

Concen: 19.356 ug/l

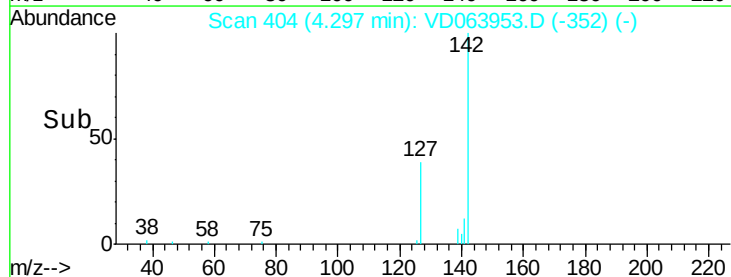
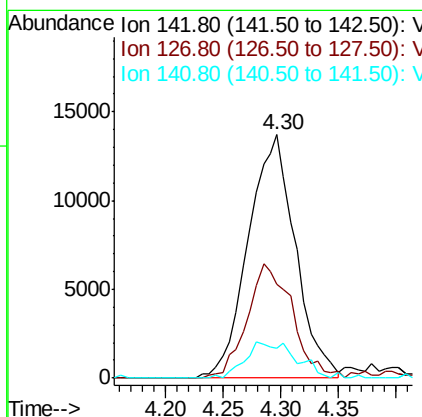
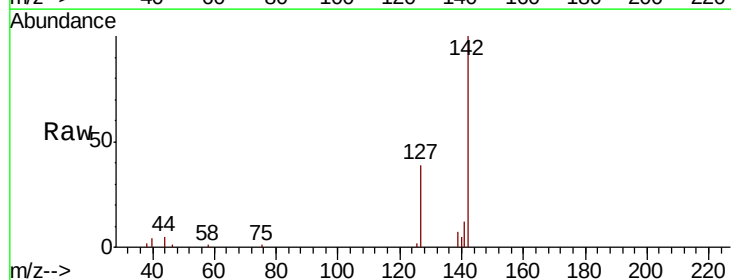
RT: 4.30 min Scan# 404

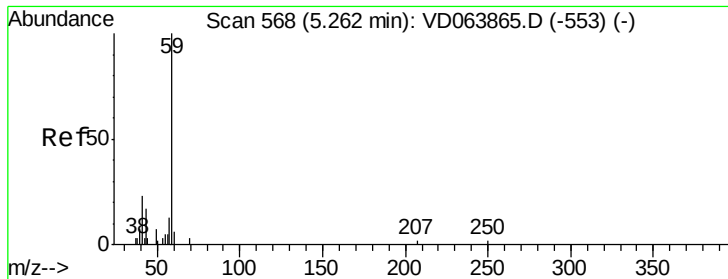
Delta R.T. 0.01 min

Lab File: VD063953.D

Acq: 14 Oct 2019 14:01

Tgt Ion:	142	Resp:	38864
Ion Ratio	Lower	Upper	
142	100		
127	45.2	35.3	52.9
141	15.7	12.2	18.2





#11

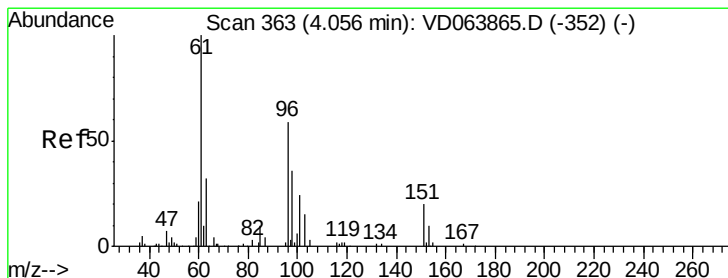
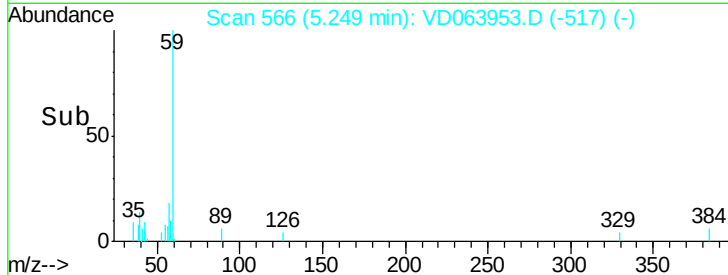
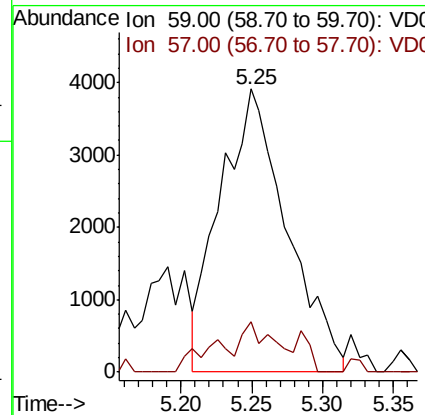
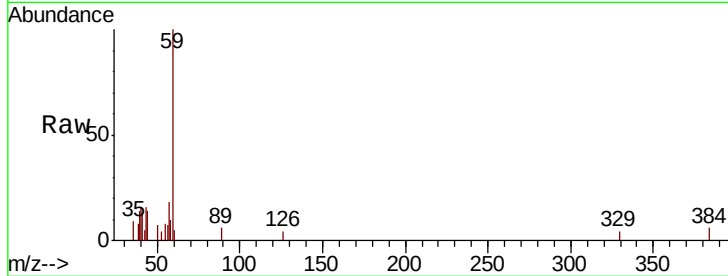
Tert butyl alcohol
 Concen: 103.840 ug/l m
 RT: 5.25 min Scan# 566
 Delta R.T. -0.01 min
 Lab File: VD063953.D
 Acq: 14 Oct 2019 14:01

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1014SBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	8.6	8.8	13.2#

Manual Integrations
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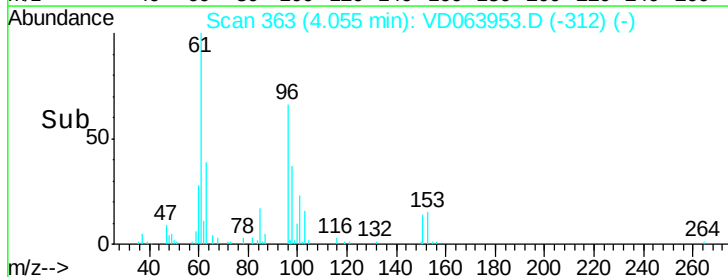
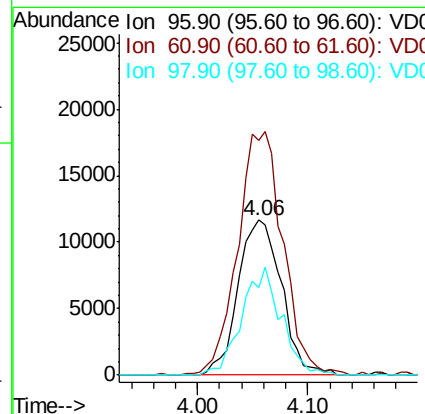
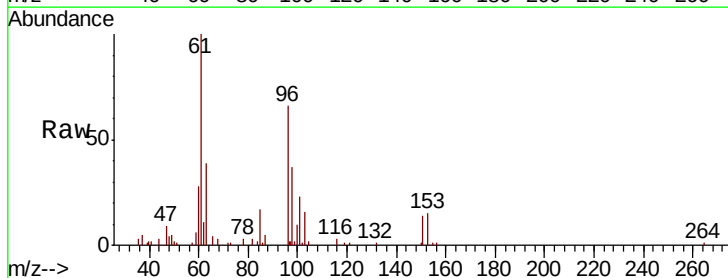
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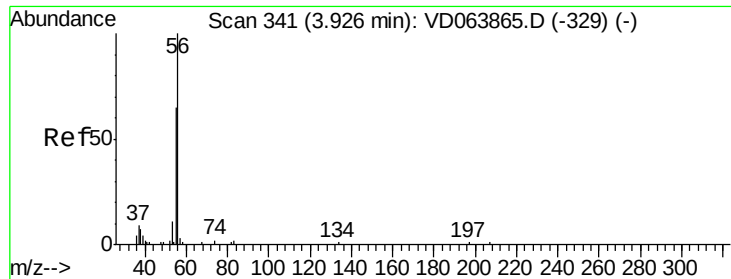


#12

1,1-Dichloroethene
 Concen: 22.077 ug/l
 RT: 4.06 min Scan# 363
 Delta R.T. -0.00 min
 Lab File: VD063953.D
 Acq: 14 Oct 2019 14:01

Tgt Ion	Ratio	Lower	Upper
96	100		
61	150.2	135.6	203.4
98	56.0	49.2	73.8





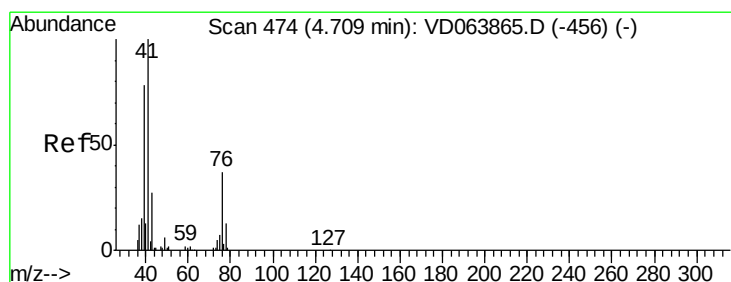
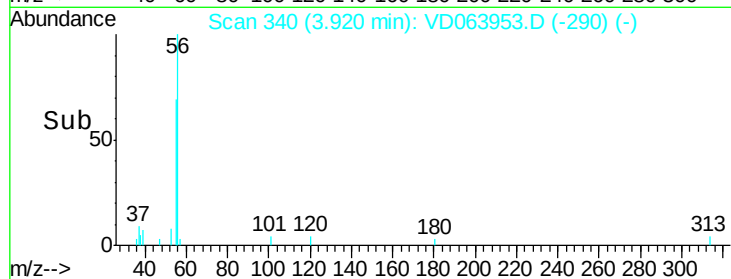
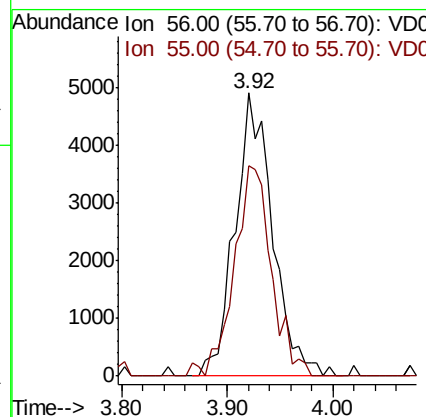
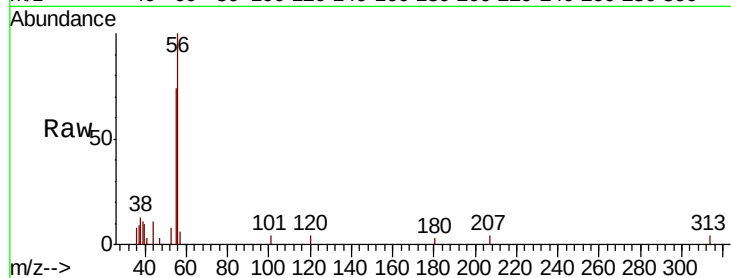
#13
Acrolein
Concen: 80.148 ug/l
RT: 3.92 min Scan# 340
Delta R.T. -0.01 min
Lab File: VD063953.D
Acq: 14 Oct 2019 14:01

Instrument :
MSVOA_D
ClientSampleId :
VD1014SBSD01

Tot Ion	56	Resp	12106
Ion Ratio	100	Lower	Upper
55	73.4	53.0	79.6

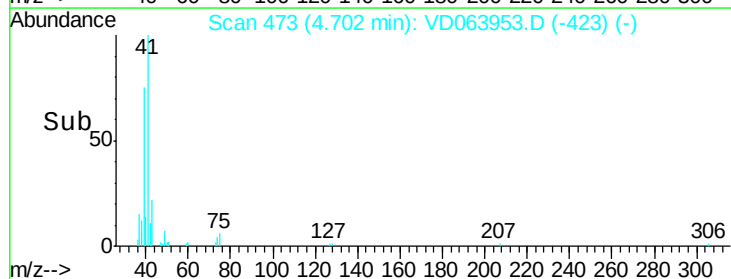
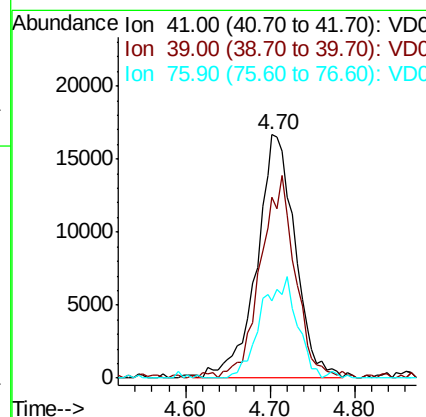
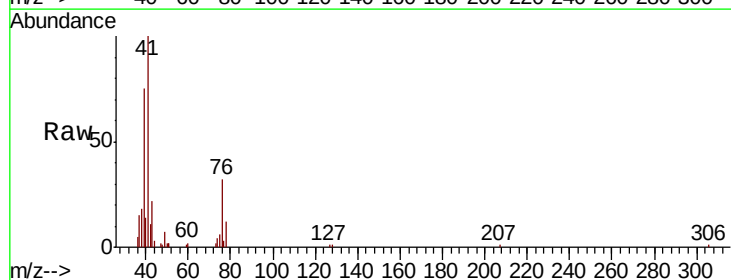
Manual Integrations
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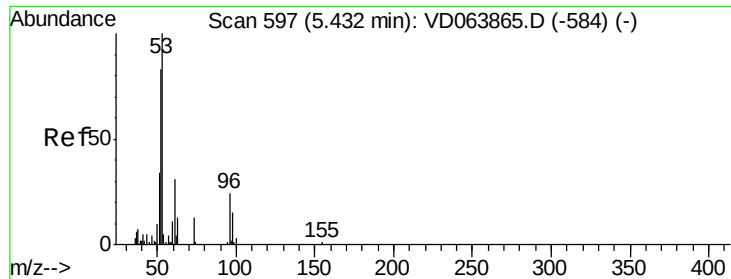
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#14
Allyl chloride
Concen: 21.747 ug/l
RT: 4.70 min Scan# 473
Delta R.T. -0.01 min
Lab File: VD063953.D
Acq: 14 Oct 2019 14:01

Tgt Ion	41	Resp	52636
Ion Ratio	100	Lower	Upper
39	74.9	61.8	92.6
76	39.0	31.3	46.9





#15

Acrylonitrile

Concen: 116.588 ug/l

RT: 5.43 min Scan# 596

Delta R.T. -0.01 min

Lab File: VD063953.D

Acq: 14 Oct 2019 14:01

Instrument :

MSVOA_D

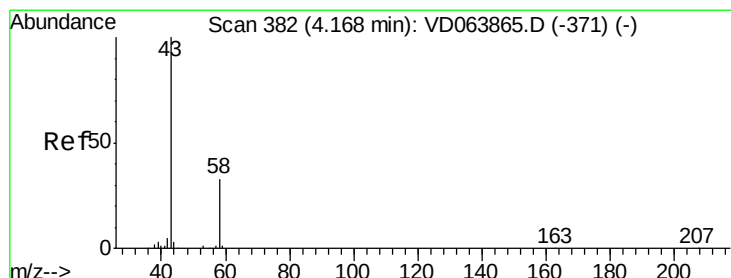
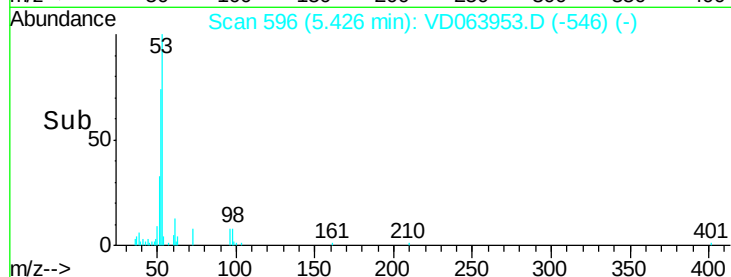
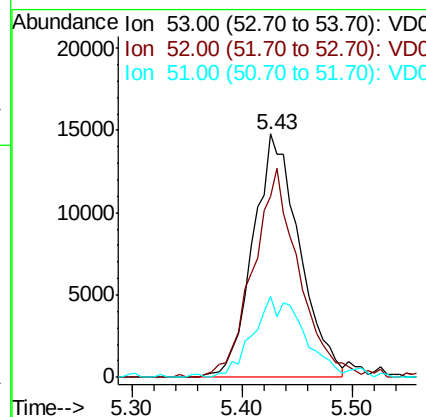
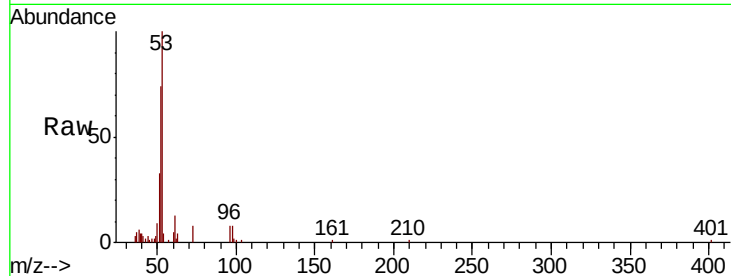
ClientSampleId :

VD1014SBSD01

Tot Ion:	53	Resp:	43431
Ion Ratio	Lower	Upper	
53	100		
52	84.5	67.3	100.9
51	18.3	30.5	45.7#

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#16

Acetone

Concen: 97.841 ug/l

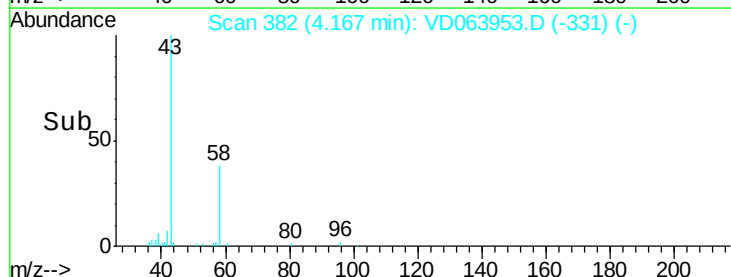
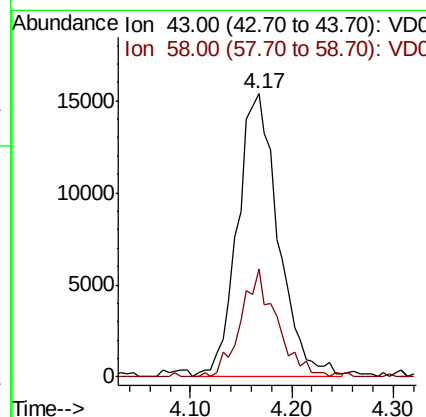
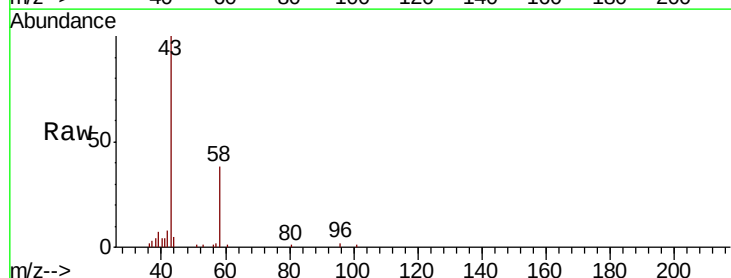
RT: 4.17 min Scan# 382

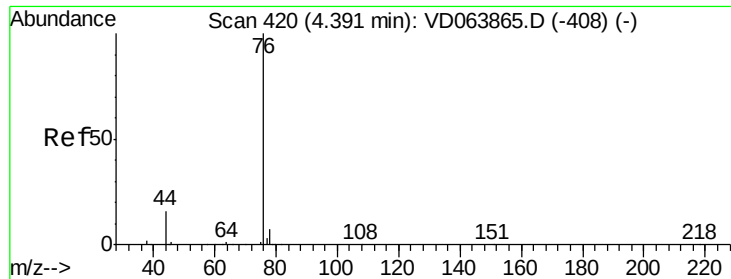
Delta R.T. -0.00 min

Lab File: VD063953.D

Acq: 14 Oct 2019 14:01

Tgt Ion:	43	Resp:	43080
Ion Ratio	Lower	Upper	
43	100		
58	38.0	26.2	39.4





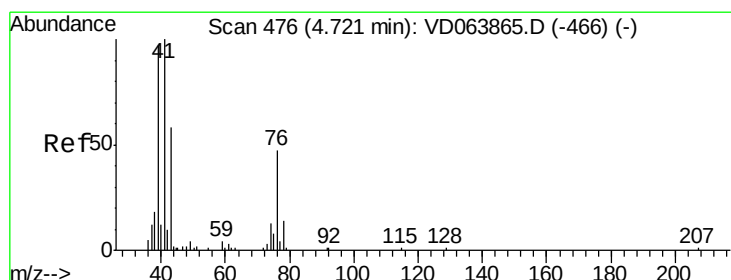
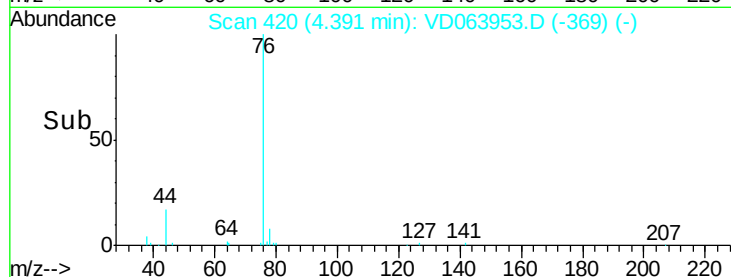
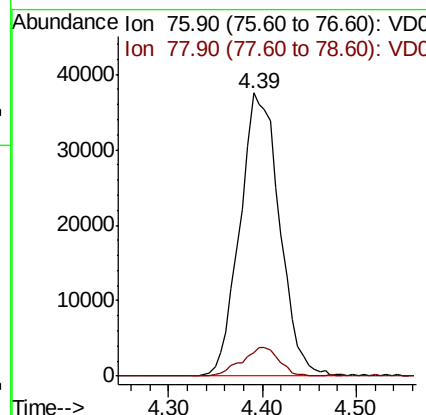
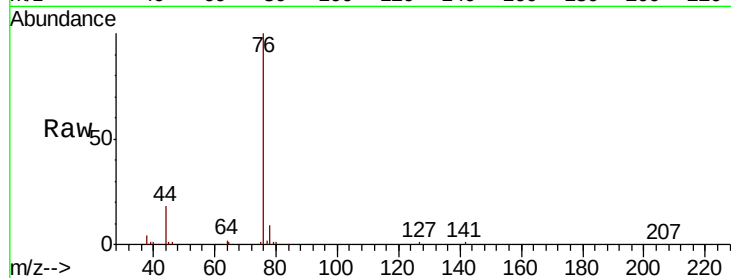
#17
Carbon Disulfide
Concen: 20.704 ug/l
RT: 4.39 min Scan# 420
Delta R.T. -0.00 min
Lab File: VD063953.D
Acq: 14 Oct 2019 14:01

Instrument :
MSVOA_D
ClientSampleId :
VD1014SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.5	5.8	8.8

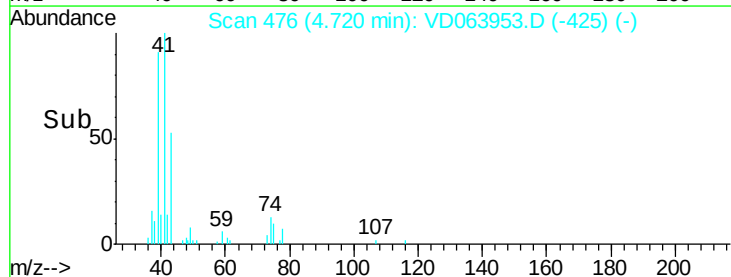
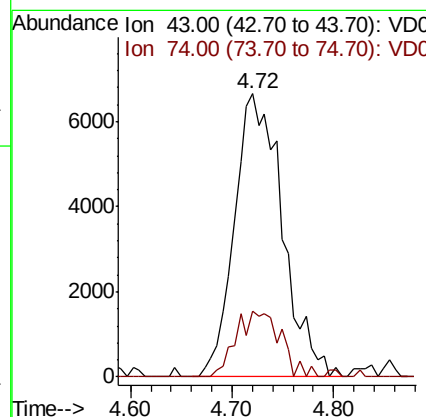
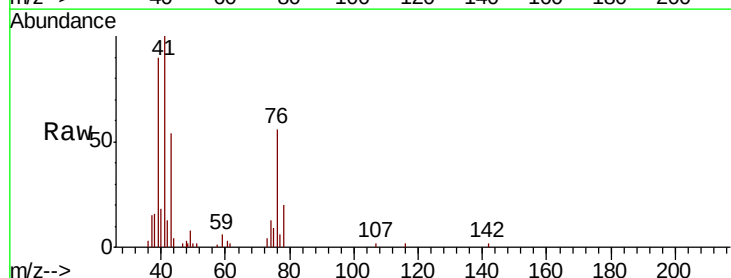
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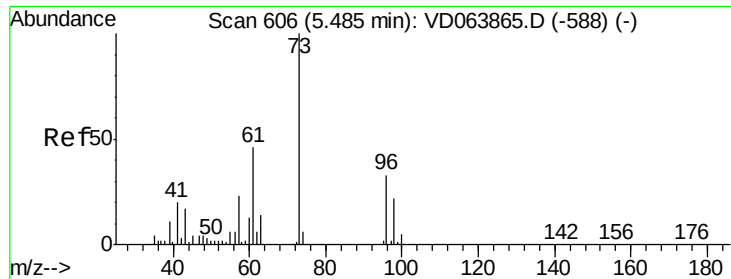
MMDadoda
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#18
Methyl Acetate
Concen: 25.371 ug/l
RT: 4.72 min Scan# 476
Delta R.T. -0.00 min
Lab File: VD063953.D
Acq: 14 Oct 2019 14:01

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.5	20.8	31.2





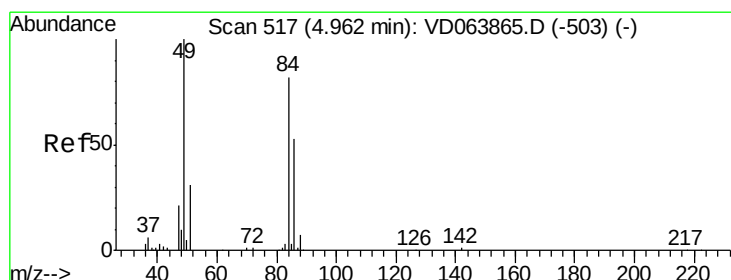
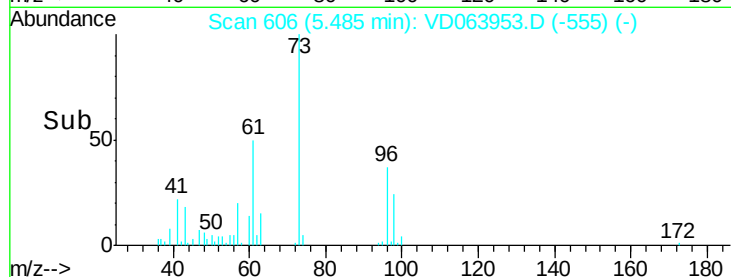
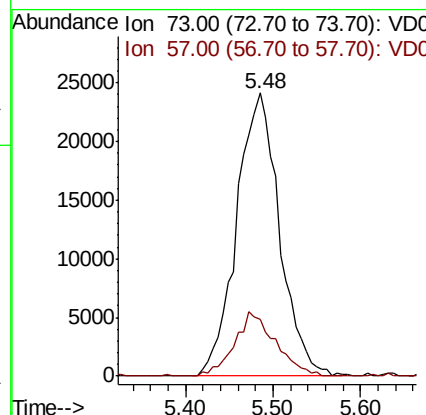
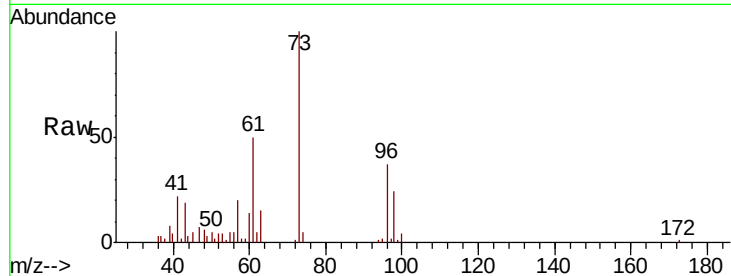
#19
Methyl tert-butyl Ether
Concen: 21.329 ug/l
RT: 5.48 min Scan# 606
Delta R.T. -0.00 min
Lab File: VD063953.D
Acq: 14 Oct 2019 14:01

Instrument :
MSVOA_D
ClientSampleId :
VD1014SBS01

Tot Ion: 73 Resp: 80406
Ion Ratio Lower Upper
73 100
57 19.9 18.1 27.1

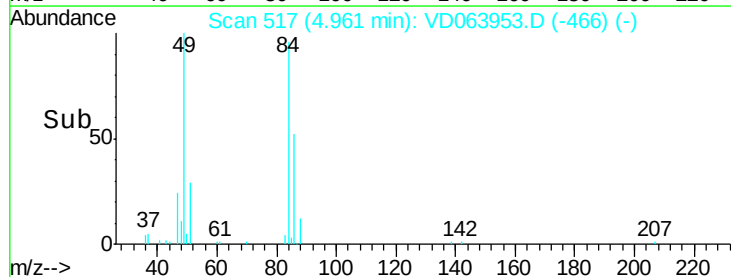
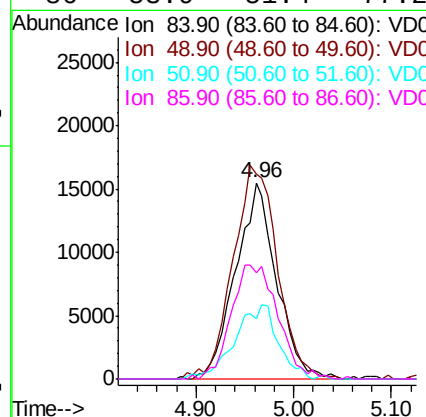
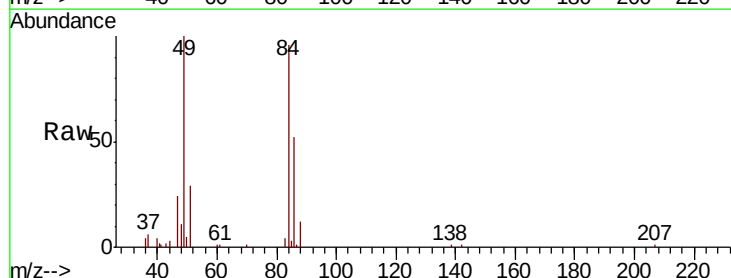
Manual Integrations
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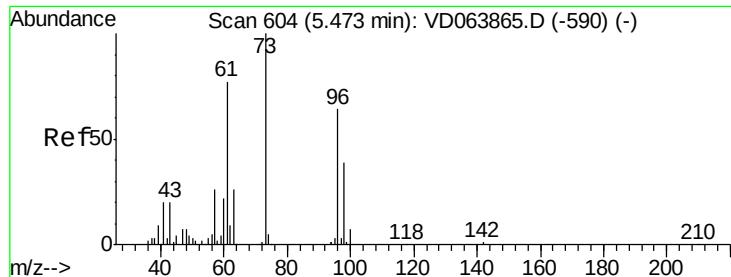
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#20
Methylene Chloride
Concen: 21.395 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD063953.D
Acq: 14 Oct 2019 14:01

Tgt Ion: 84 Resp: 45164
Ion Ratio Lower Upper
84 100
49 104.3 97.3 145.9
51 30.5 30.1 45.1
86 53.9 51.4 77.2





#21

trans-1,2-Dichloroethene

Concen: 21.832 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD063953.D

Acq: 14 Oct 2019 14:01

Instrument :

MSVOA_D

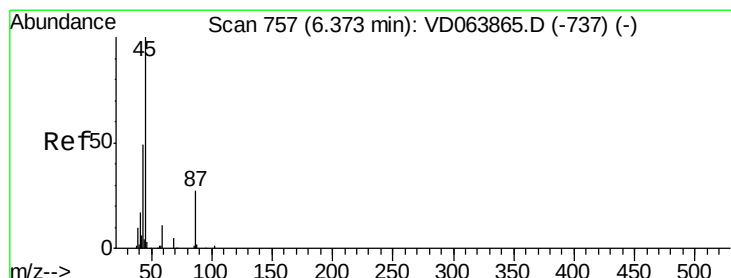
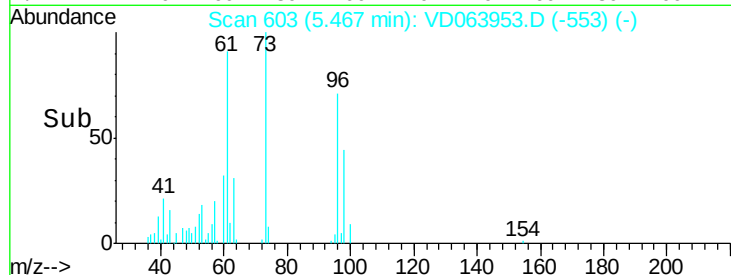
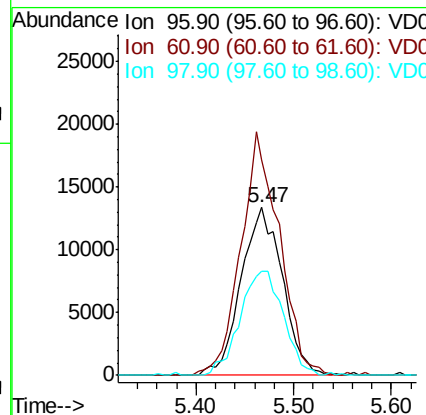
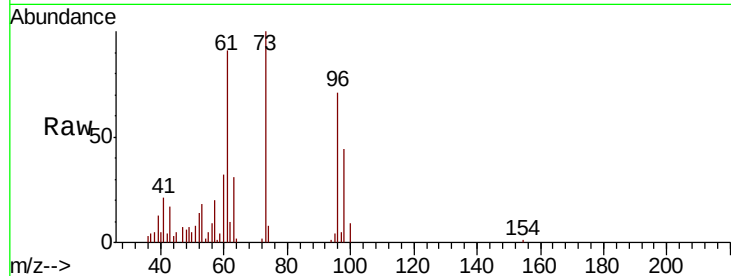
ClientSampleId :

VD1014SBSD01

Tot Ion:	96	Resp:	39567
Ion	Ratio	Lower	Upper
96	100		
61	128.6	96.6	145.0
98	61.6	48.7	73.1

Manual Integrations
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#22

Diisopropyl ether

Concen: 22.082 ug/l

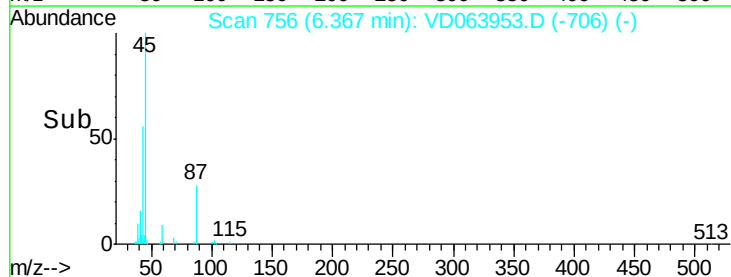
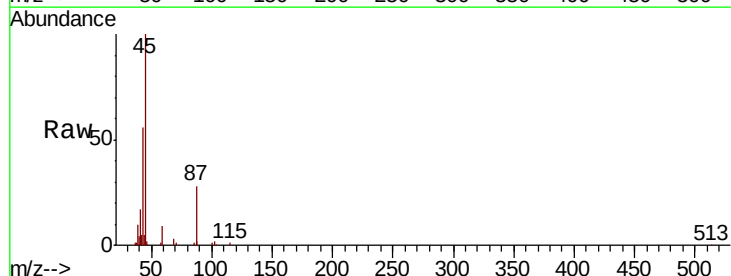
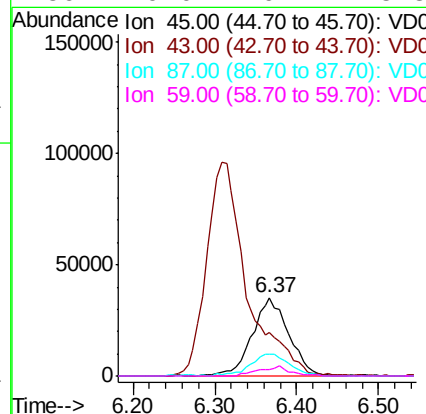
RT: 6.37 min Scan# 756

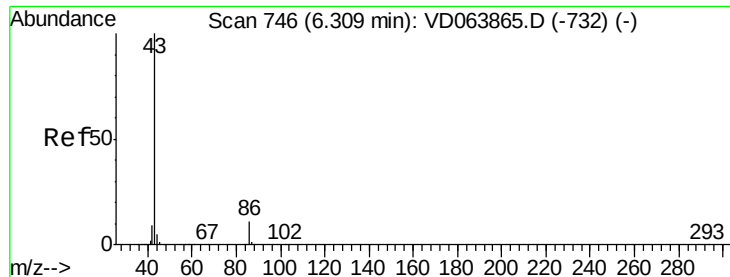
Delta R.T. -0.01 min

Lab File: VD063953.D

Acq: 14 Oct 2019 14:01

Tgt Ion:	45	Resp:	109154
Ion	Ratio	Lower	Upper
45	100		
43	54.6	41.2	61.8
87	28.1	22.2	33.4
59	9.0	9.2	13.8





#23

Vinyl Acetate

Concen: 112.009 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.00 min

Lab File: VD063953.D

Acq: 14 Oct 2019 14:01

Instrument :

MSVOA_D

ClientSampleId :

VD1014SBS01

Tot Ion: 43 Resp: 329380

Ion Ratio Lower Upper

43 100

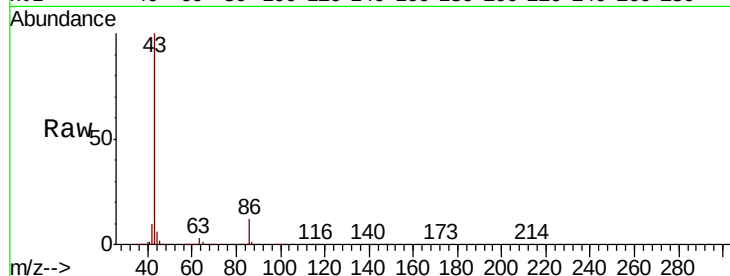
86 11.6 8.8 13.2

Manual Integrations

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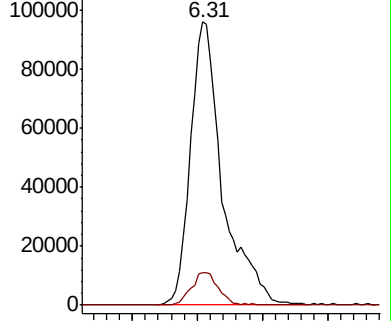
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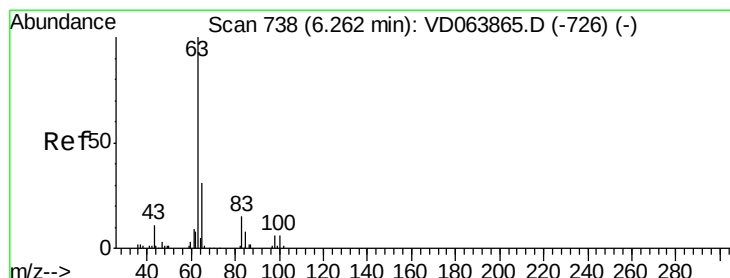
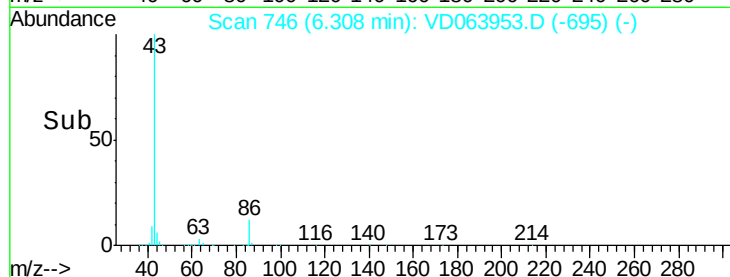


Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



Time-->



#24

1,1-Dichloroethane

Concen: 22.387 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.01 min

Lab File: VD063953.D

Acq: 14 Oct 2019 14:01

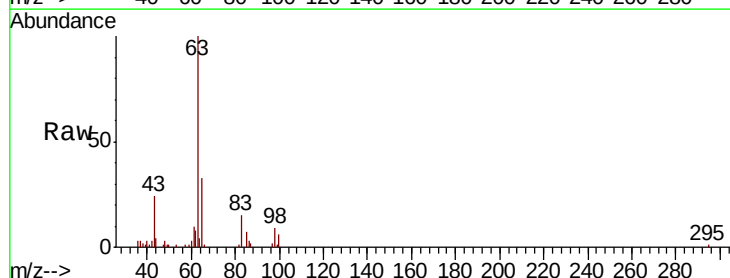
Tgt Ion: 63 Resp: 68165

Ion Ratio Lower Upper

63 100

98 8.6 3.1 9.4

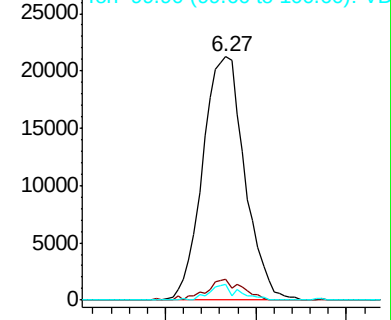
100 6.4 3.0 9.2



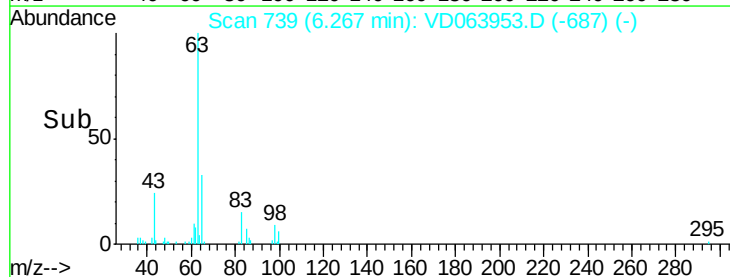
Abundance Ion 62.90 (62.60 to 63.60): VDC

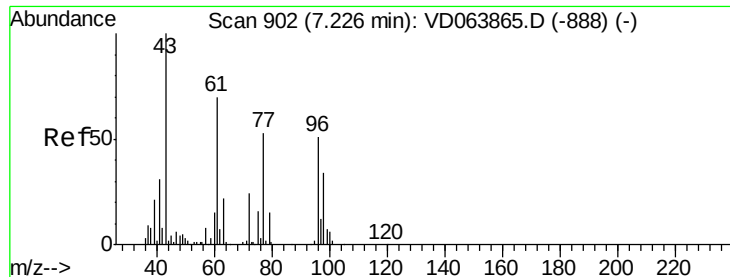
Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC



Time-->





#25

2-Butanone

Concen: 114.645 ug/l

RT: 7.22 min Scan# 901

Delta R.T. -0.01 min

Lab File: VD063953.D

Acq: 14 Oct 2019 14:01

Instrument :

MSVOA_D

ClientSampleId :

VD1014SBSD01

Tot Ion: 43 Resp: 59823

Ion Ratio Lower Upper

43 100

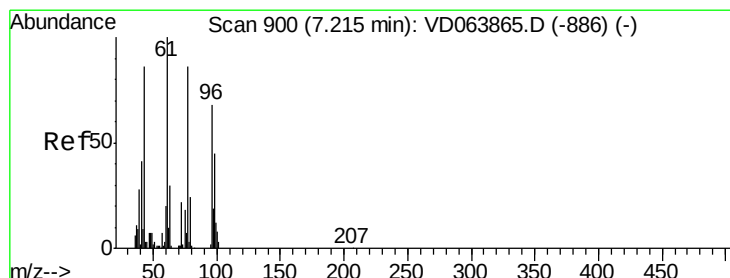
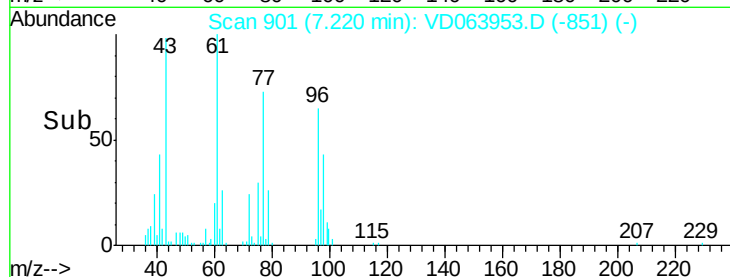
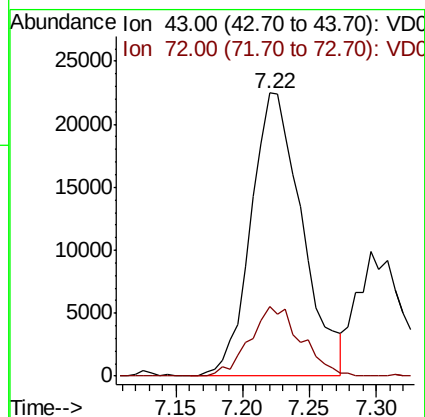
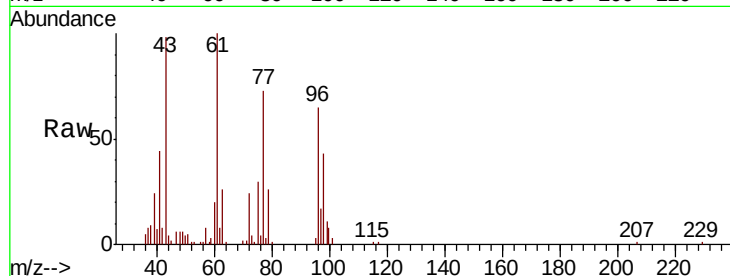
72 24.7 19.2 28.8

Manual Integrations

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MMDadoda

10/16/2019 12:54:30 AM



#26

2,2-Dichloropropane

Concen: 21.437 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD063953.D

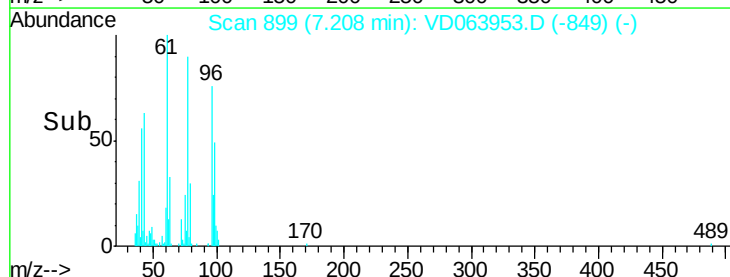
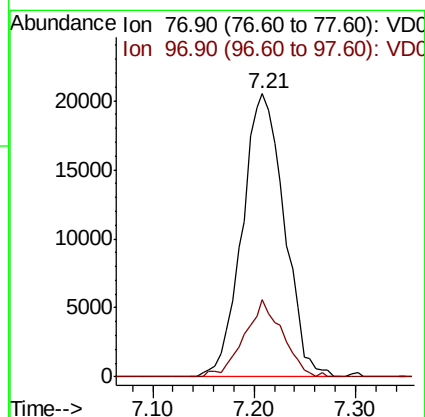
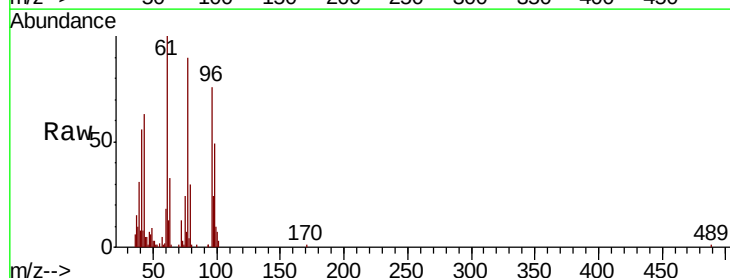
Acq: 14 Oct 2019 14:01

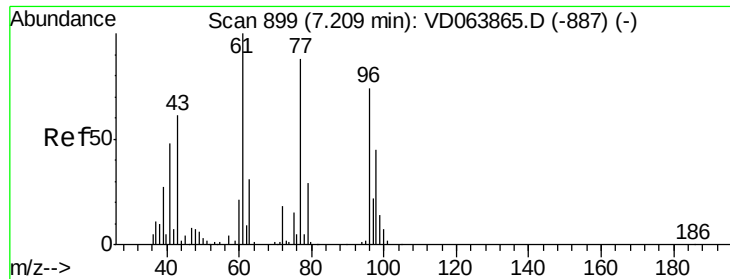
Tgt Ion: 77 Resp: 59045

Ion Ratio Lower Upper

77 100

97 24.7 11.4 34.1





#27

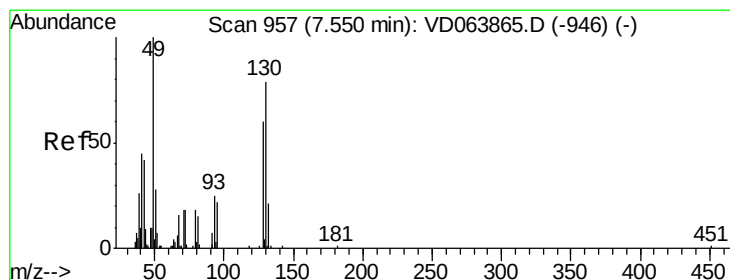
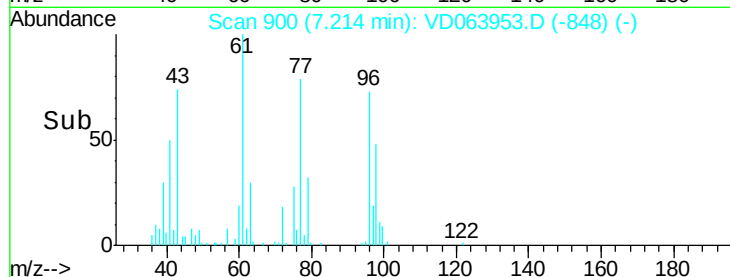
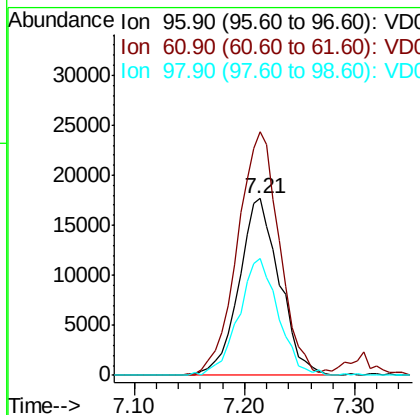
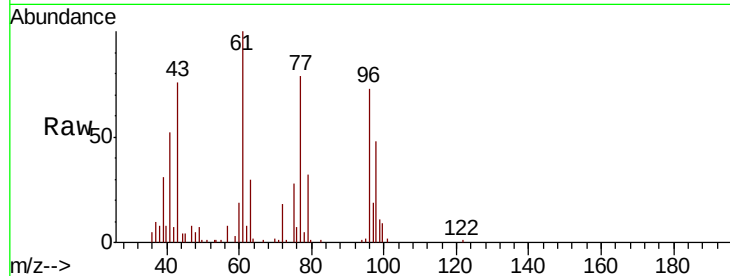
cis-1,2-Dichloroethene
Concen: 22.161 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.01 min
Lab File: VD063953.D
Acq: 14 Oct 2019 14:01

Instrument :
MSVOA_D
ClientSampleId :
VD1014SBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	142.5	0.0	280.0
98	64.3	0.0	130.4

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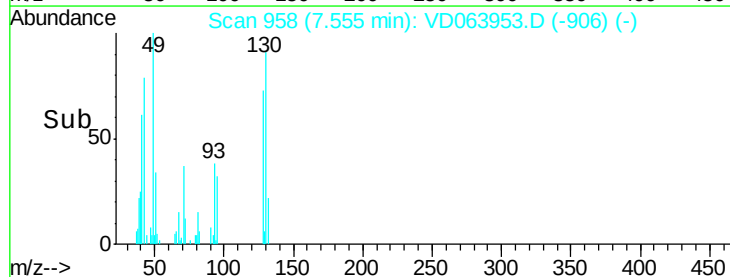
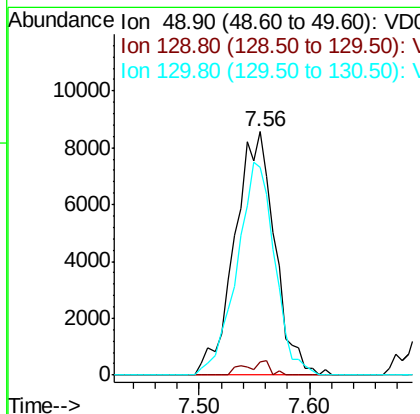
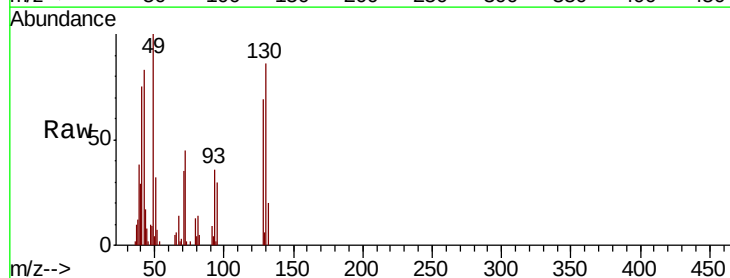
MMDadoda
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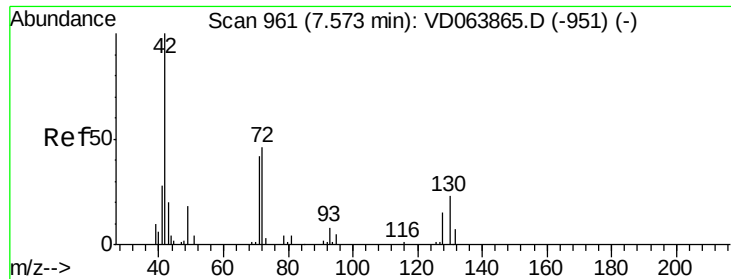


#28

Bromochloromethane
Concen: 20.029 ug/l
RT: 7.56 min Scan# 958
Delta R.T. 0.01 min
Lab File: VD063953.D
Acq: 14 Oct 2019 14:01

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	5.6
130	82.3	66.8	100.2





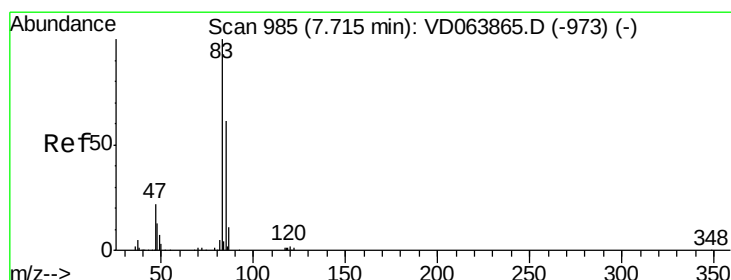
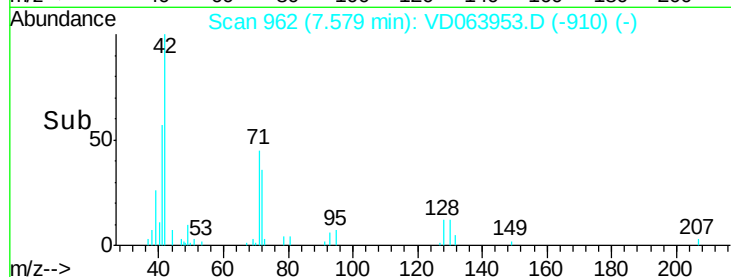
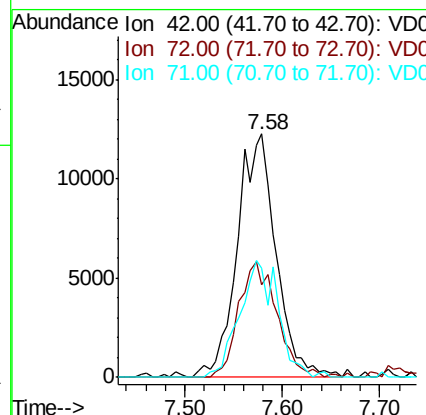
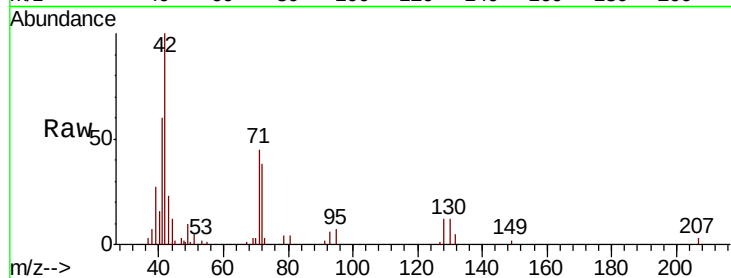
#29
Tetrahydrofuran
Concen: 110.900 ug/l
RT: 7.58 min Scan# 962
Delta R.T. 0.01 min
Lab File: VD063953.D
Acq: 14 Oct 2019 14:01

Instrument :
MSVOA_D
ClientSampleId :
VD1014SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.7	37.6	56.4
71	47.3	35.0	52.6

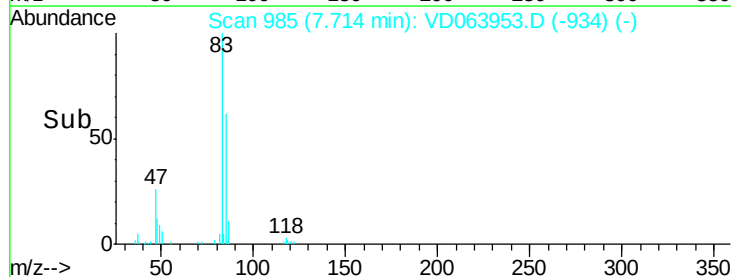
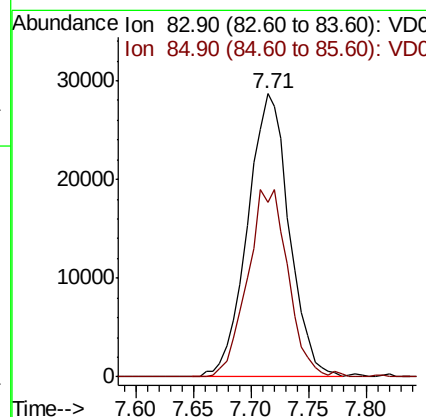
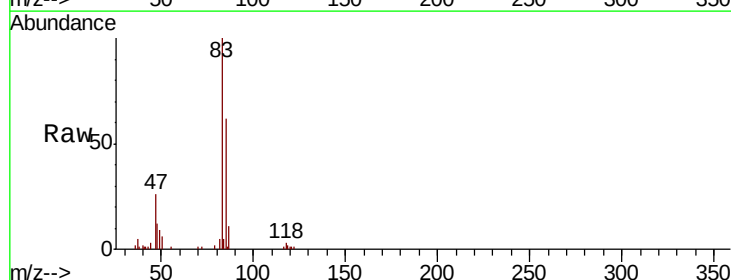
Manual Integrations
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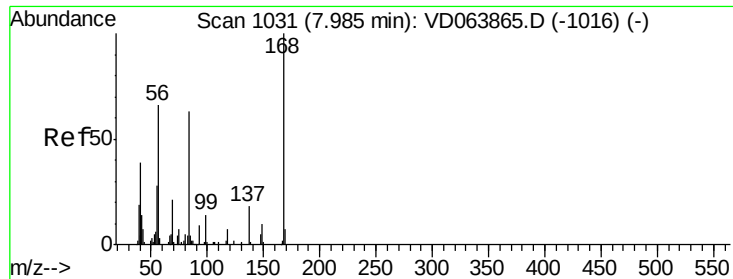
MMDadoda
10/16/2019 12:54:30 AM



#30
Chloroform
Concen: 21.772 ug/l
RT: 7.71 min Scan# 985
Delta R.T. -0.00 min
Lab File: VD063953.D
Acq: 14 Oct 2019 14:01

Tgt Ion	Ratio	Lower	Upper
83	100		
85	61.8	48.9	73.3





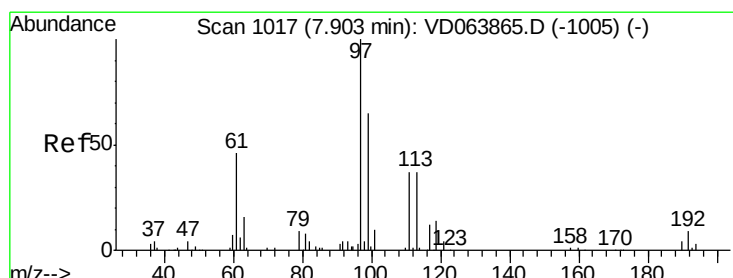
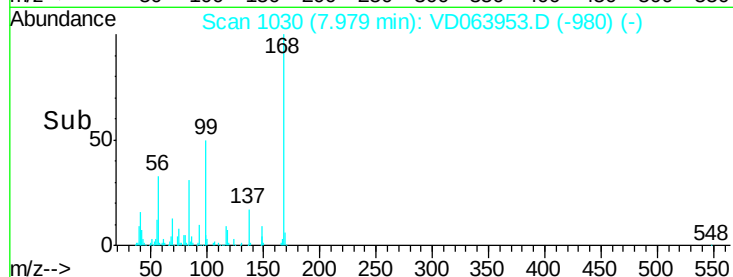
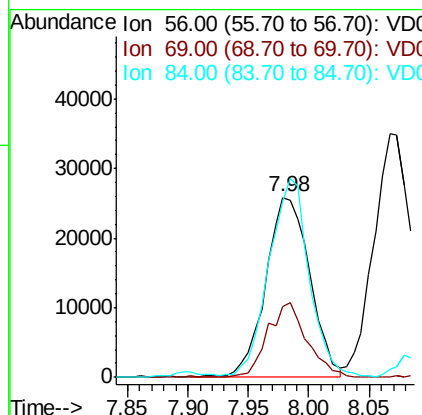
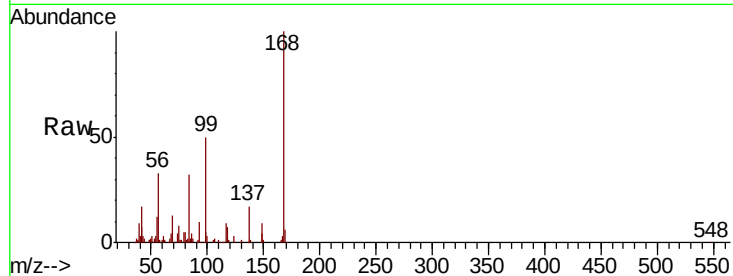
#31
Cyclohexane
Concen: 23.885 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD063953.D
Acq: 14 Oct 2019 14:01

Instrument :
MSVOA_D
ClientSampleId :
VD1014SBSD01

Tot Ion	Ratio	Lower	Upper
56	100		
69	38.7	25.0	37.4#
84	94.7	76.3	114.5

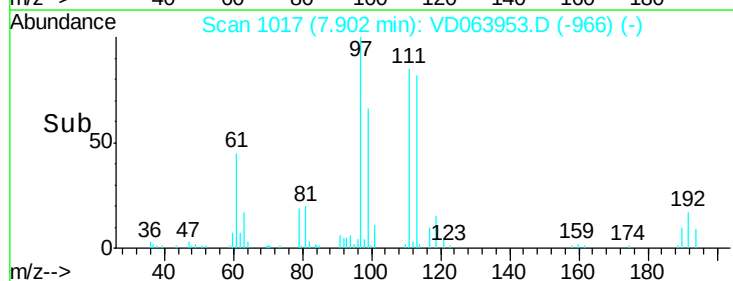
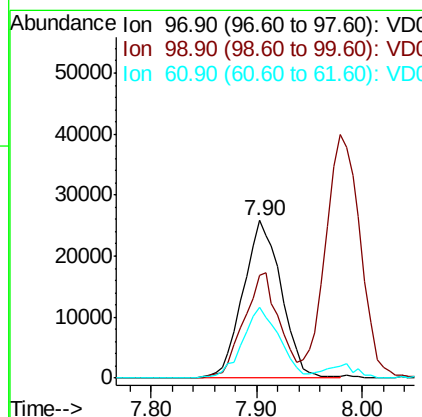
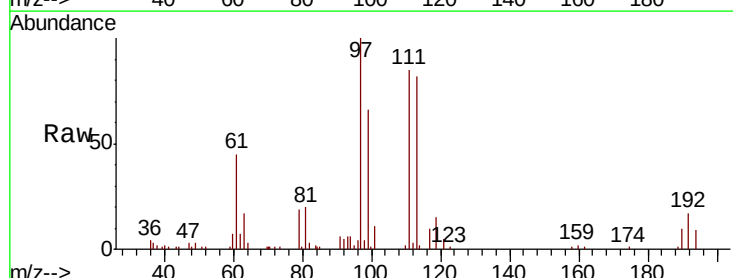
Manual Integrations
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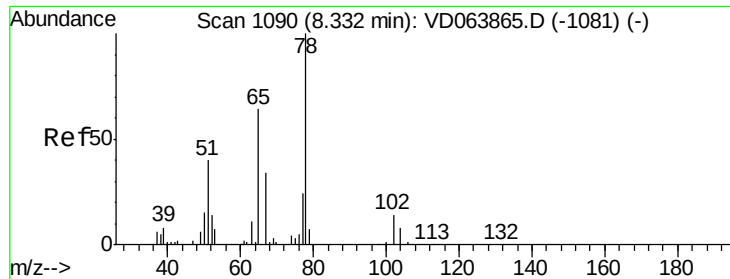
MMDadoda
10/16/2019 12:54:30 AM



#32
1,1,1-Trichloroethane
Concen: 22.874 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VD063953.D
Acq: 14 Oct 2019 14:01

Tgt Ion	Ratio	Lower	Upper
97	100		
99	61.5	52.4	78.6
61	43.2	33.8	50.8





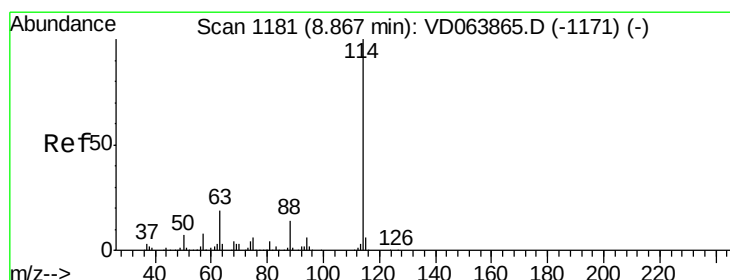
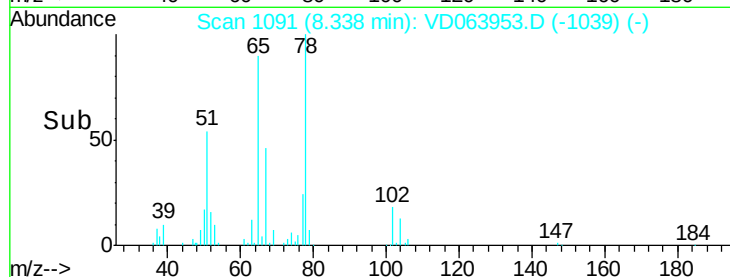
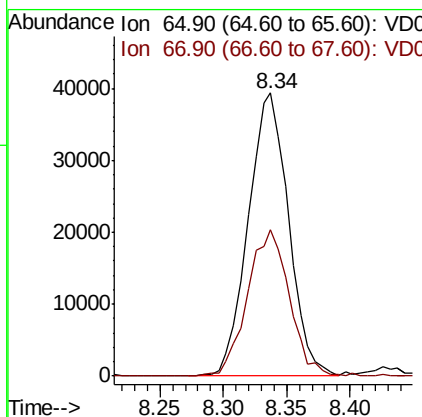
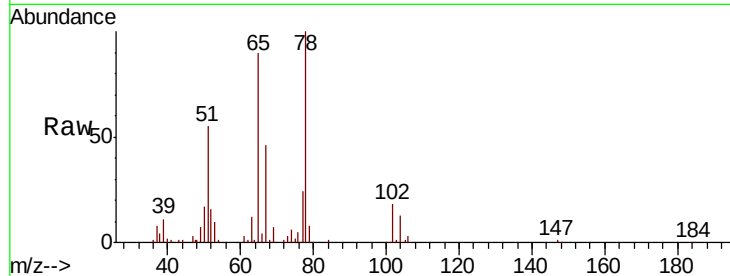
#33
 1,2-Dichloroethane-d4
 Concen: 51.411 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. 0.01 min
 Lab File: VD063953.D
 Acq: 14 Oct 2019 14:01

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1014SBSD01

Tot Ion	65	Resp	86946
Ion Ratio	Lower	Upper	
65	100		
67	53.5	0.0	106.4

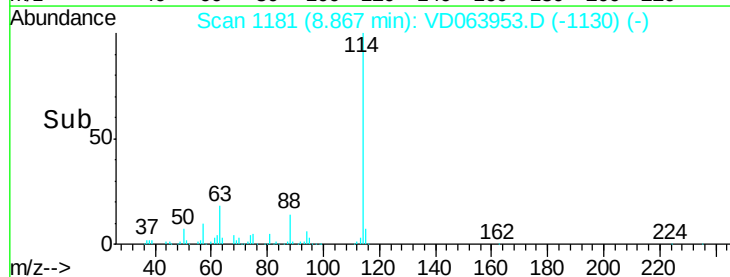
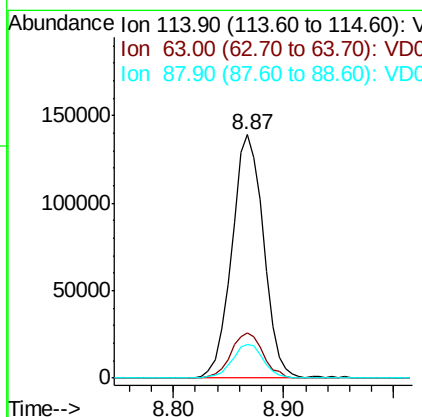
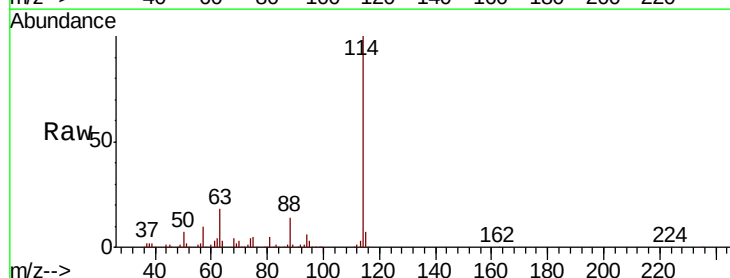
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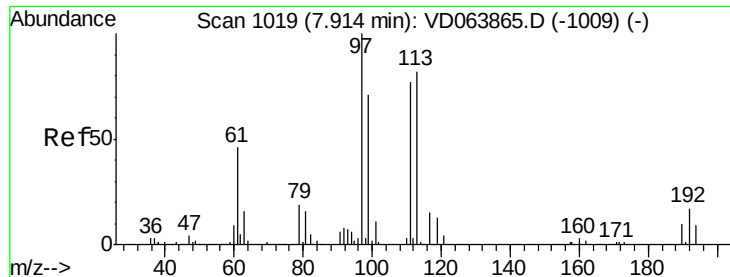
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD063953.D
 Acq: 14 Oct 2019 14:01

Tgt Ion	114	Resp	280955
Ion Ratio	Lower	Upper	
114	100		
63	18.4	0.0	38.4
88	14.0	0.0	27.4





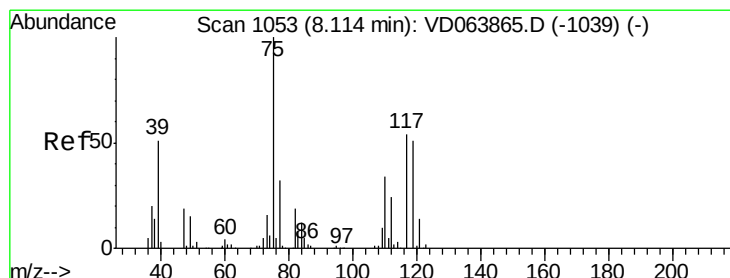
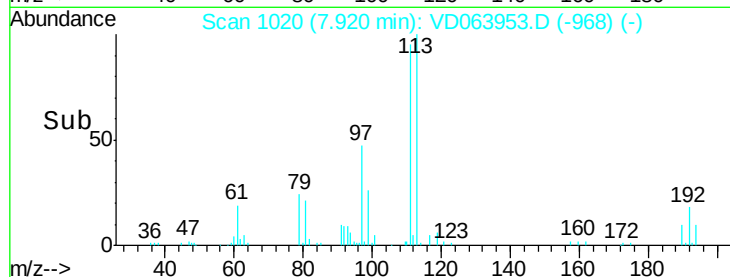
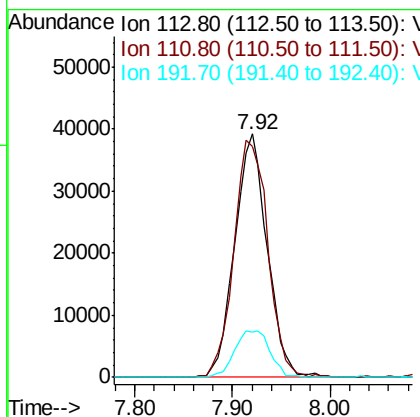
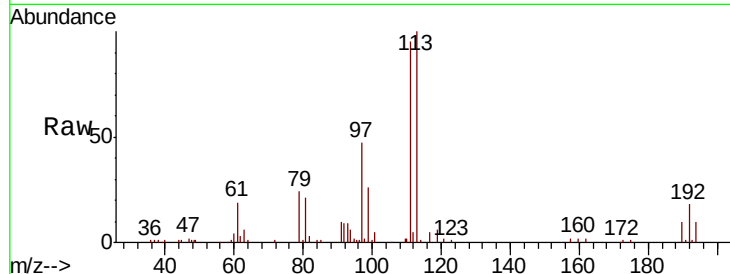
#35
 Dibromofluoromethane
 Concen: 53.138 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.01 min
 Lab File: VD063953.D
 Acq: 14 Oct 2019 14:01

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1014SBSD01

Tot Ion	Ratio	Lower	Upper
113	100		
111	101.9	82.6	123.8
192	20.9	17.1	25.7

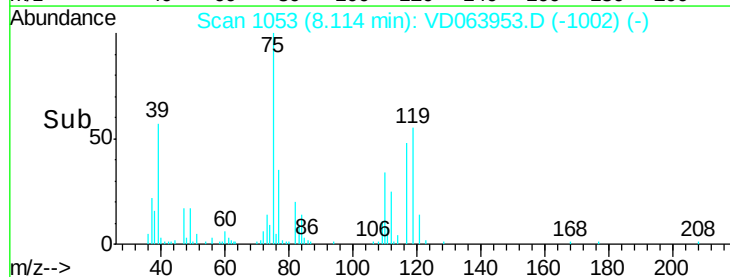
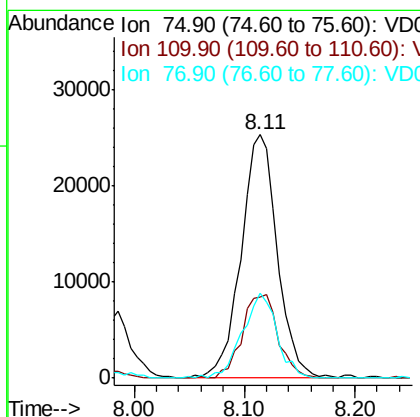
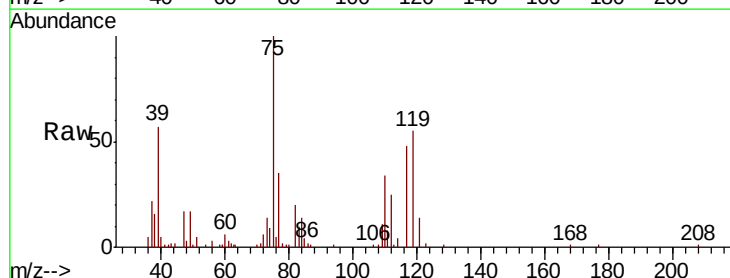
Manual Integrations
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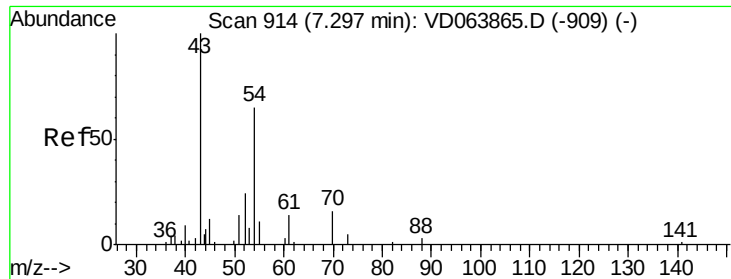
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 10/16/2019 12:54:30 AM



#36
 1,1-Dichloropropene
 Concen: 22.698 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. -0.00 min
 Lab File: VD063953.D
 Acq: 14 Oct 2019 14:01

Tgt Ion	Ratio	Lower	Upper
75	100		
110	34.1	17.4	52.3
77	33.5	25.4	38.0





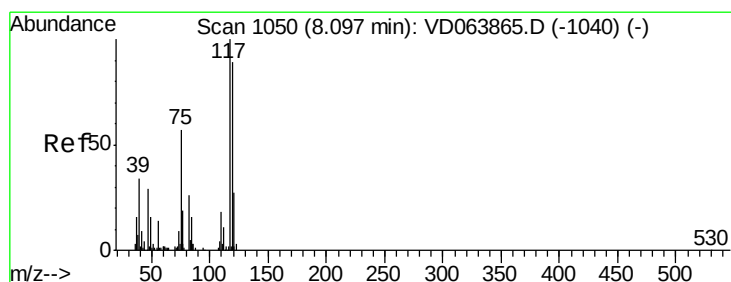
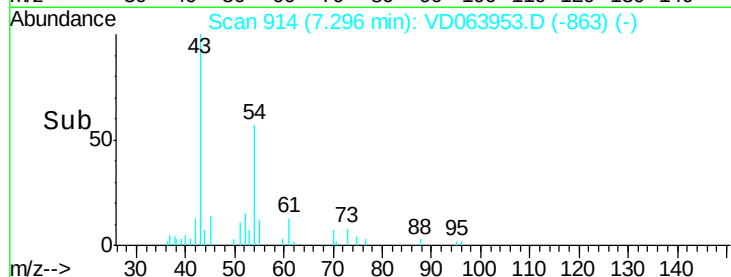
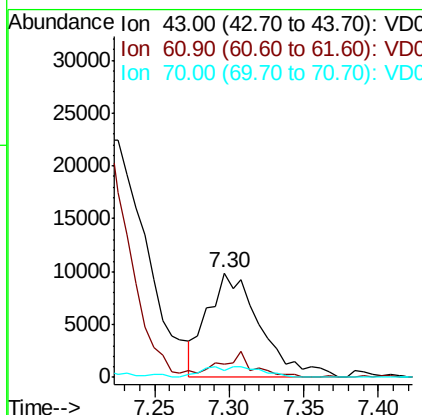
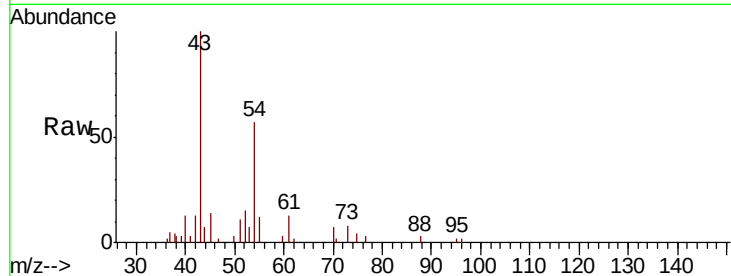
#37
Ethyl Acetate
Concen: 21.308 ug/l
RT: 7.30 min Scan# 914
Delta R.T. 0.00 min
Lab File: VD063953.D
Acq: 14 Oct 2019 14:01

Instrument :
MSVOA_D
ClientSampleId :
VD1014SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	16.2	11.5	17.3
70	4.6	8.2	12.4

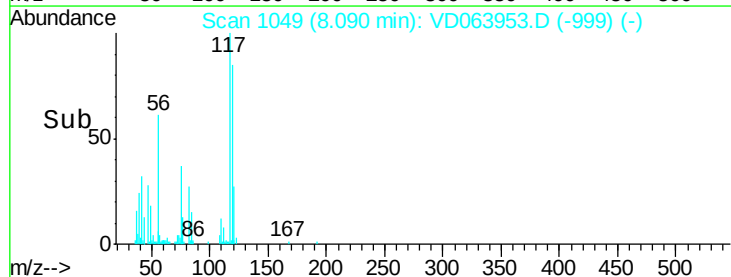
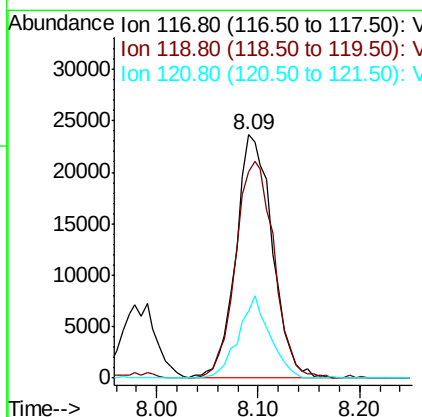
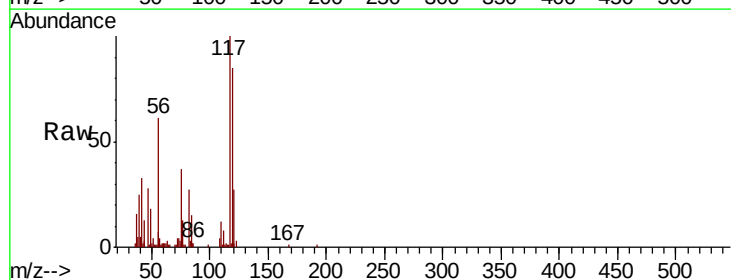
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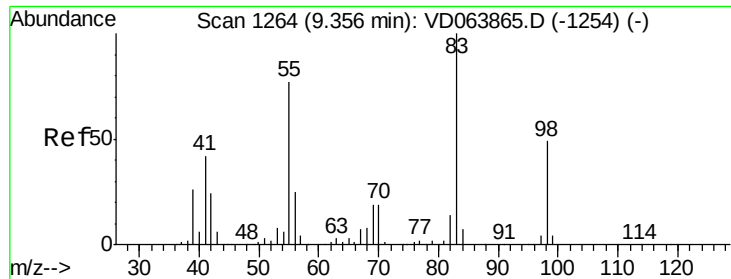
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#38
Carbon Tetrachloride
Concen: 22.743 ug/l
RT: 8.09 min Scan# 1049
Delta R.T. -0.01 min
Lab File: VD063953.D
Acq: 14 Oct 2019 14:01

Tgt Ion	Ratio	Lower	Upper
117	100		
119	84.6	70.8	106.2
121	27.5	21.4	32.0





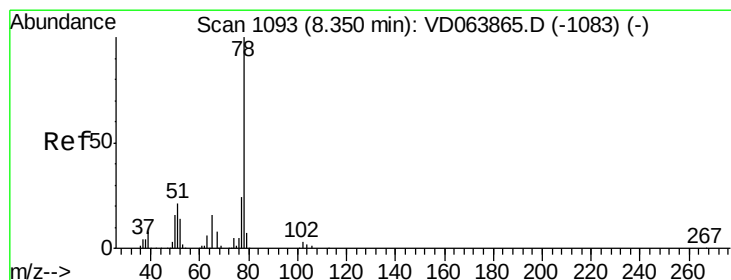
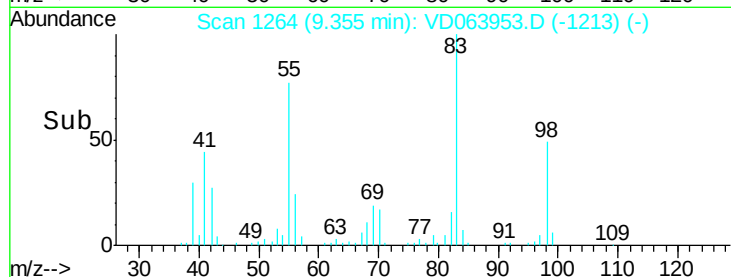
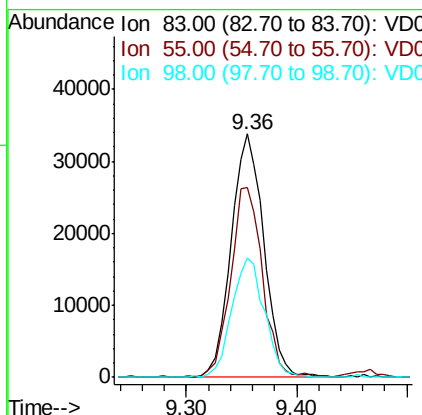
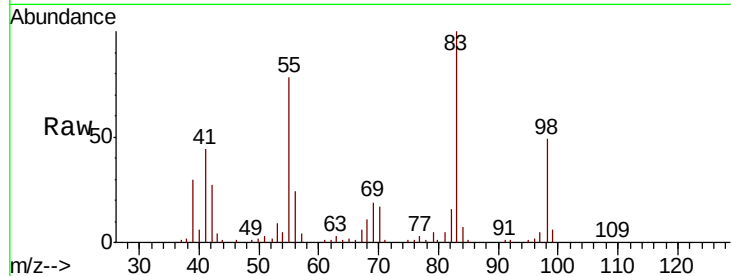
#39
Methylvlcyclohexane
Concen: 22.218 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VD063953.D
Acq: 14 Oct 2019 14:01

Instrument :
MSVOA_D
ClientSampleId :
VD1014SBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	77.4	61.3	91.9
98	49.3	39.3	58.9

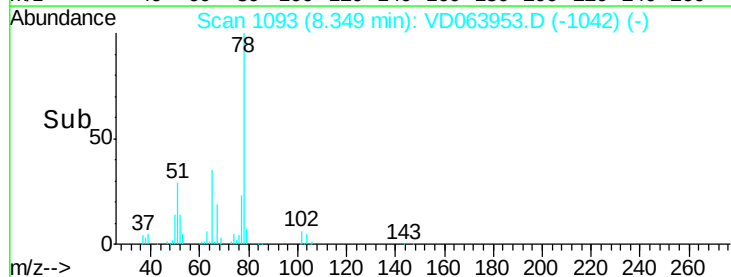
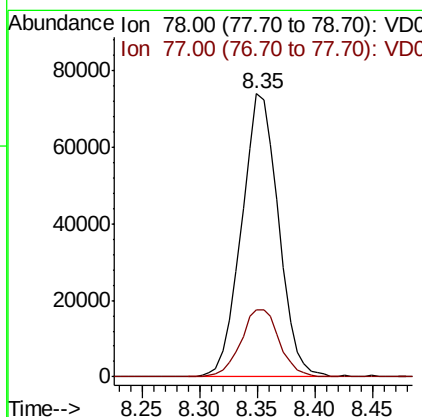
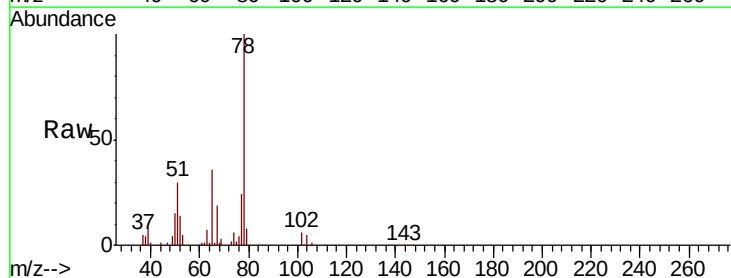
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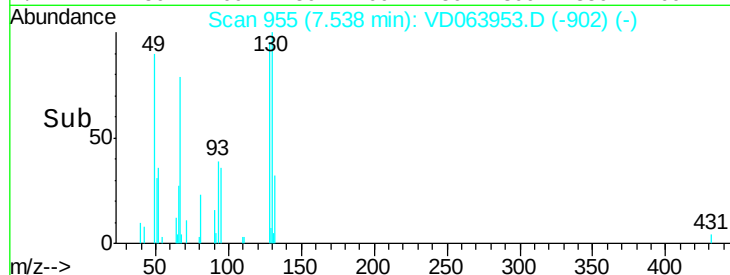
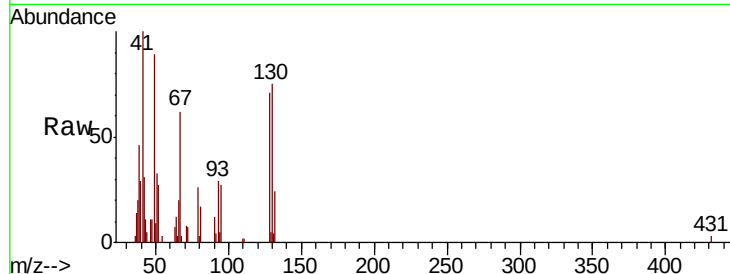
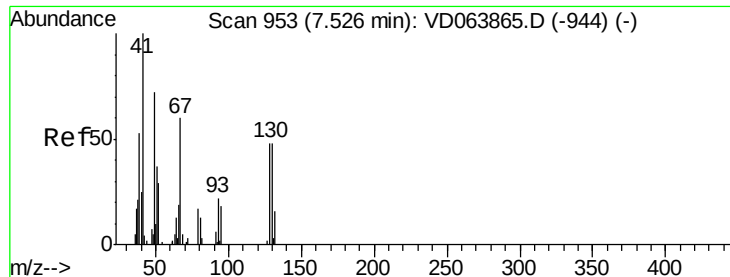
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#40
Benzene
Concen: 22.341 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.00 min
Lab File: VD063953.D
Acq: 14 Oct 2019 14:01

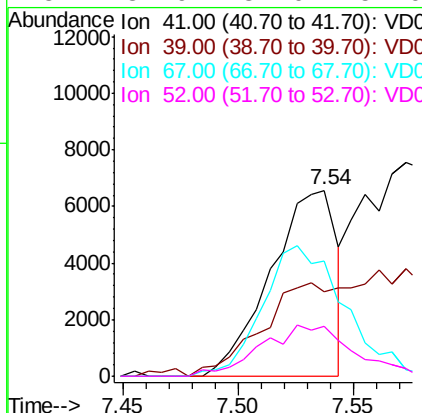
Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.7	19.0	28.6





#41
Methacrylonitrile
Concen: 21.895 ug/l
RT: 7.54 min Scan# 955
Delta R.T. 0.01 min
Lab File: VD063953.D
Acq: 14 Oct 2019 14:01

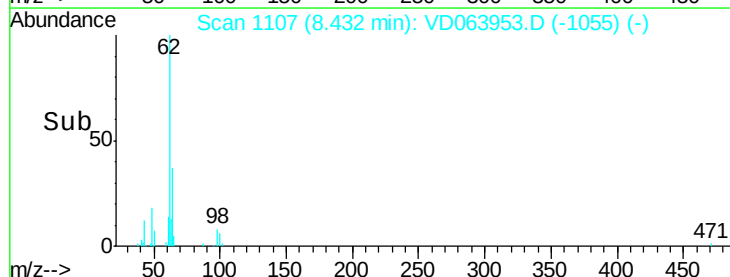
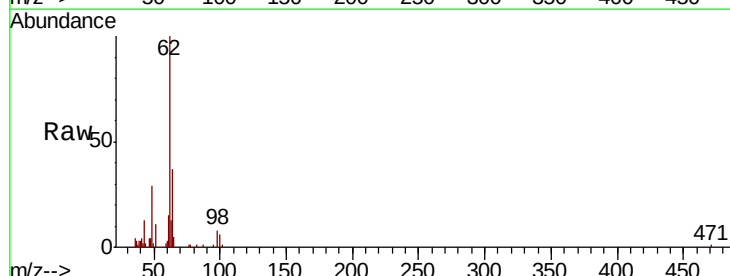
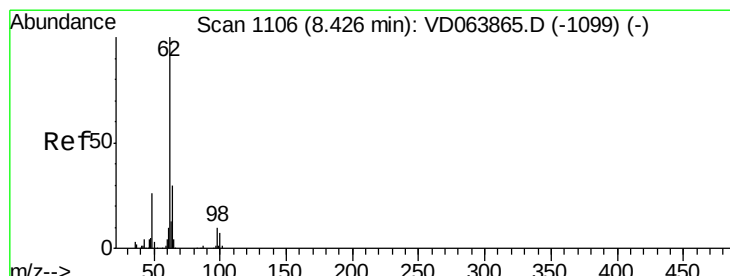
Tot Ion	Ratio	Lower	Upper
41	100		
39	49.6	52.6	78.8#
67	87.3	74.2	111.2
52	37.9	34.0	51.0



Instrument :
MSVOA_D
ClientSampleId :
VD1014SBS01

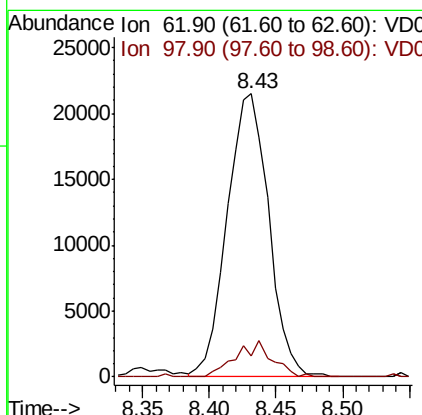
Manual Integrations
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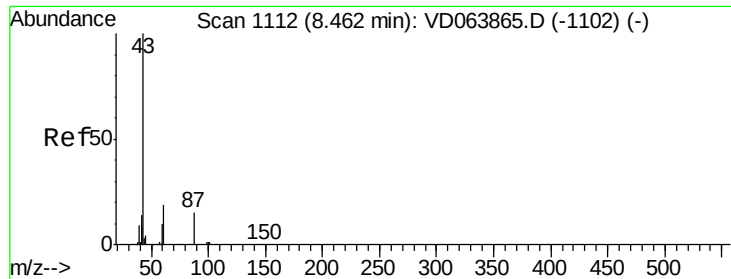
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#42
1,2-Dichloroethane
Concen: 21.851 ug/l
RT: 8.43 min Scan# 1107
Delta R.T. 0.01 min
Lab File: VD063953.D
Acq: 14 Oct 2019 14:01

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.9	0.0	20.0





#43

Isopropyl Acetate

Concen: 22.349 ug/l

RT: 8.46 min Scan# 1112

Delta R.T. -0.00 min

Lab File: VD063953.D

Acq: 14 Oct 2019 14:01

Instrument :

MSVOA_D

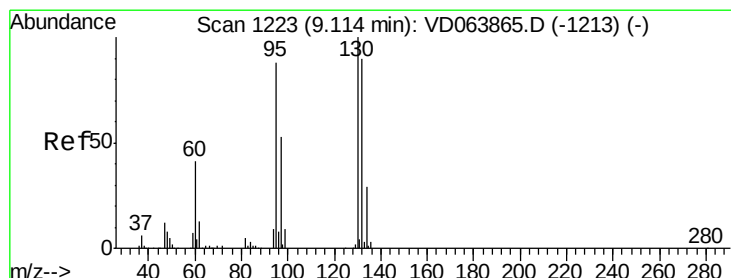
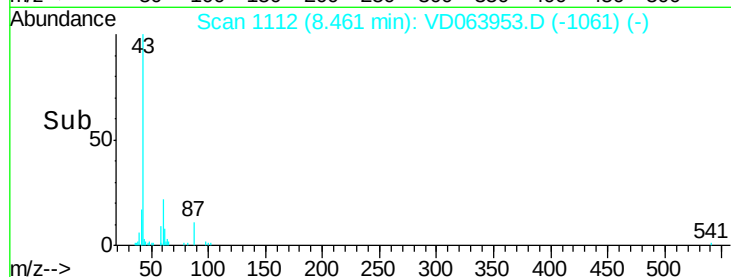
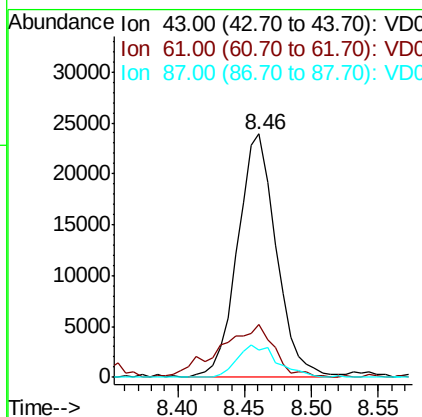
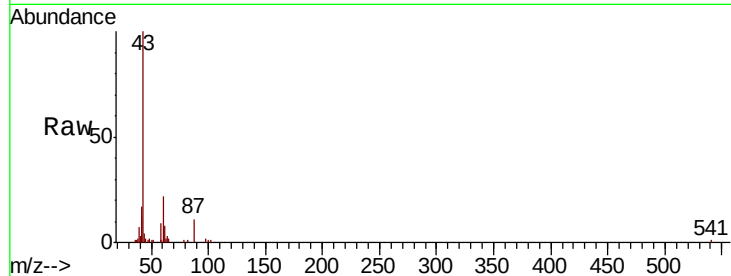
ClientSampleId :

VD1014SBS01

Tot Ion:	43	Resp:	48147
Ion	Ratio	Lower	Upper
43	100		
61	31.0	25.7	38.5
87	13.9	11.6	17.4

Manual Integrations
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10/16/2019 12:54:30 AM



#44

Trichloroethene

Concen: 22.277 ug/l

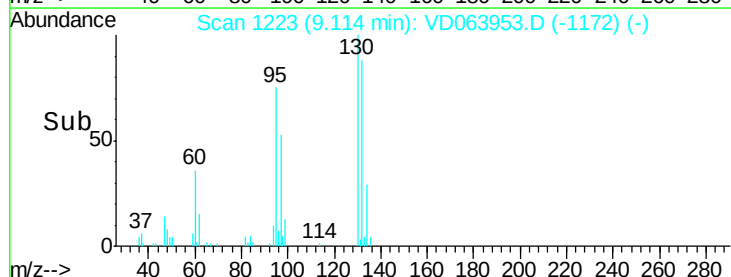
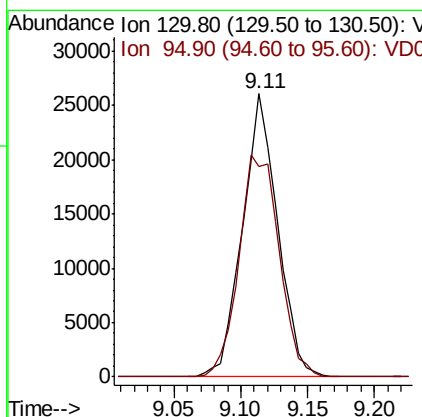
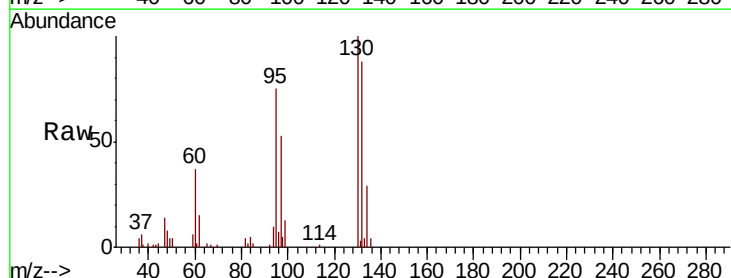
RT: 9.11 min Scan# 1223

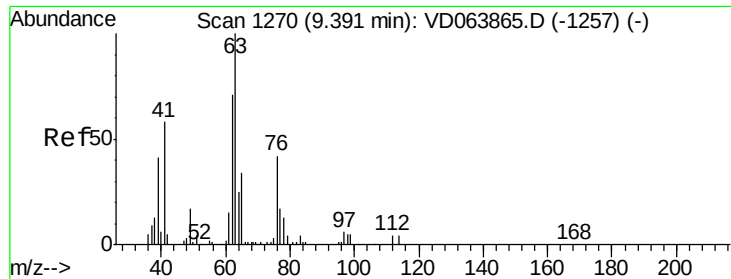
Delta R.T. -0.00 min

Lab File: VD063953.D

Acq: 14 Oct 2019 14:01

Tgt Ion:	130	Resp:	47290
Ion	Ratio	Lower	Upper
130	100		
95	74.6	0.0	175.6





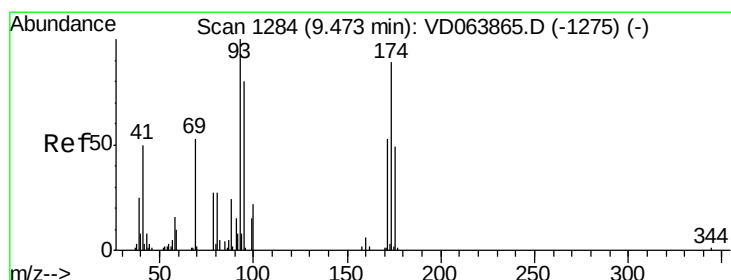
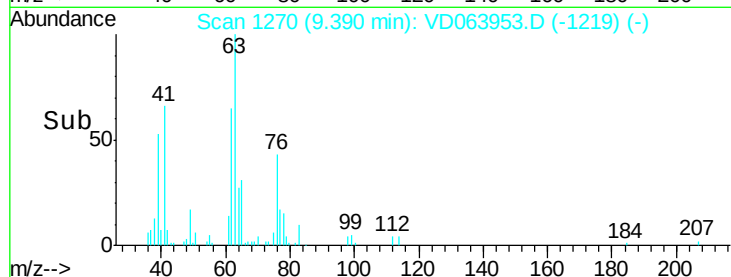
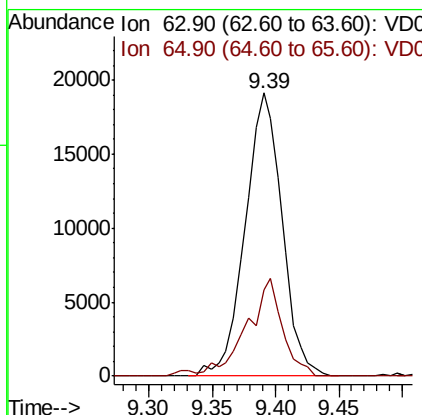
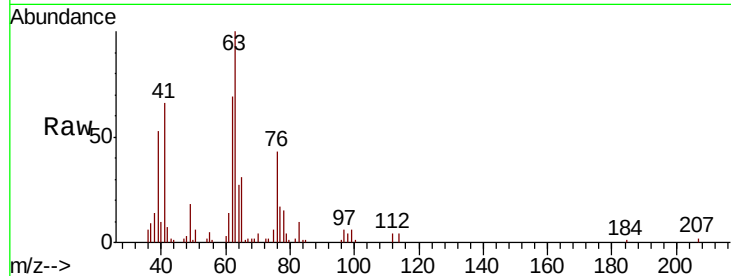
#45
 1,2-Dichloropropane
 Concen: 21.482 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VD063953.D
 Acq: 14 Oct 2019 14:01

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1014SBSD01

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.6	27.3	40.9

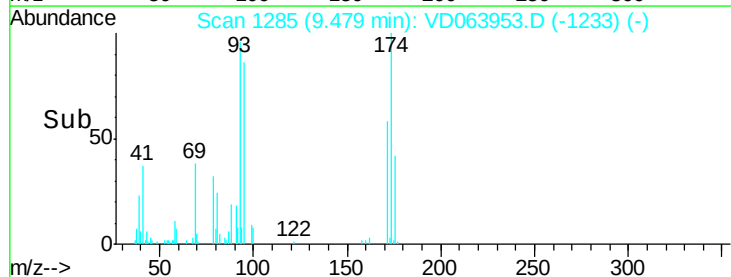
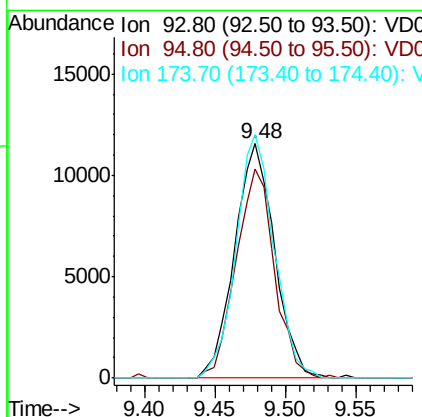
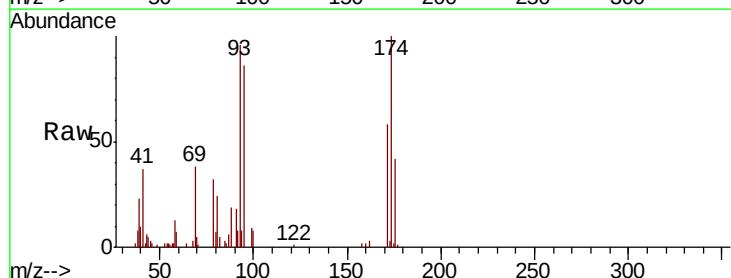
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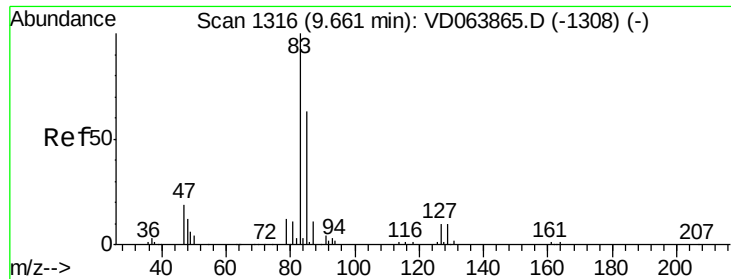
MMDadoda
 10/16/2019 12:54:30 AM



#46
 Dibromomethane
 Concen: 22.405 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. 0.01 min
 Lab File: VD063953.D
 Acq: 14 Oct 2019 14:01

Tgt Ion	Ratio	Lower	Upper
93	100		
95	85.3	66.0	99.0
174	98.8	83.4	125.0





#47

Bromodichloromethane

Concen: 20.896 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.01 min

Lab File: VD063953.D

Acq: 14 Oct 2019 14:01

Instrument :

MSVOA_D

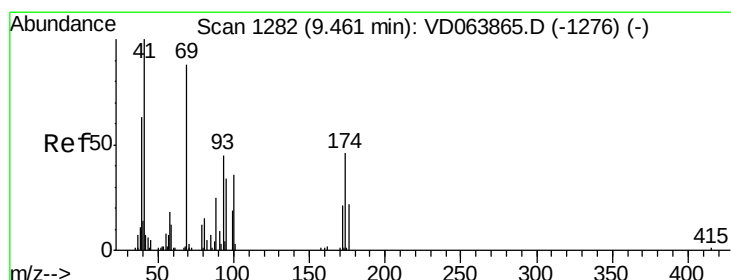
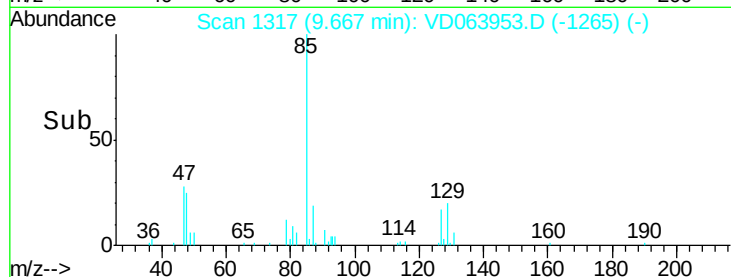
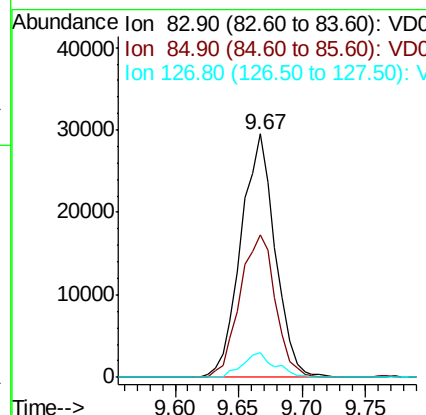
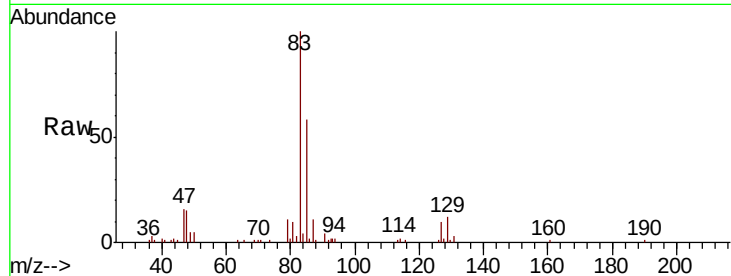
ClientSampleId :

VD1014SBS01

Tot Ion:	83	Resp:	55208
Ion	Ratio	Lower	Upper
83	100		
85	58.3	50.2	75.2
127	10.2	7.6	11.4

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#48

Methyl methacrylate

Concen: 20.782 ug/l

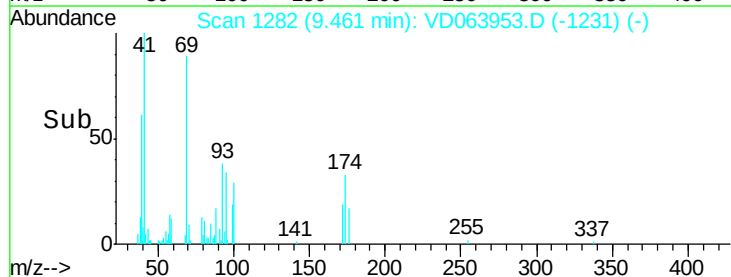
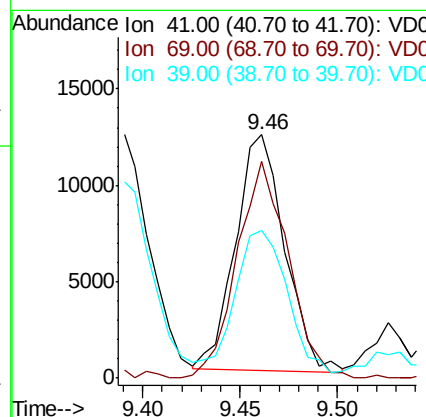
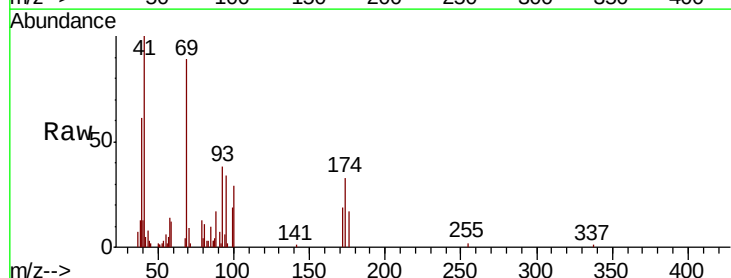
RT: 9.46 min Scan# 1282

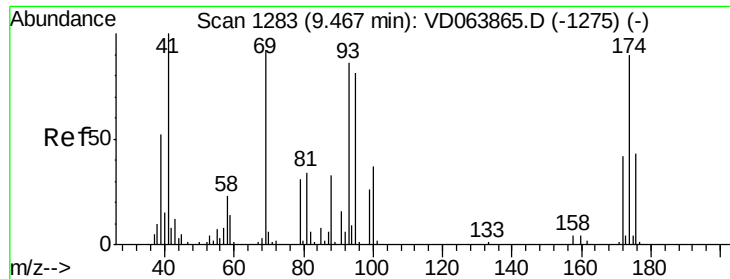
Delta R.T. -0.00 min

Lab File: VD063953.D

Acq: 14 Oct 2019 14:01

Tgt Ion:	41	Resp:	21451
Ion	Ratio	Lower	Upper
41	100		
69	95.3	75.1	112.7
39	69.2	50.2	75.2





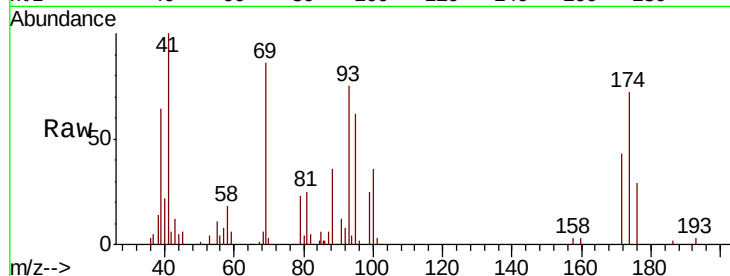
#49
1,4-Dioxane
Concen: 470.186 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VD063953.D
Acq: 14 Oct 2019 14:01

Instrument :
MSVOA_D
ClientSampleId :
VD1014SBSD01

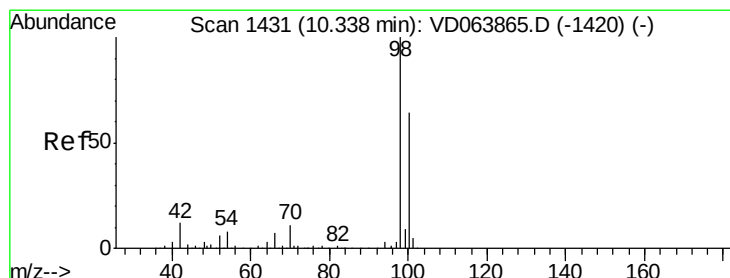
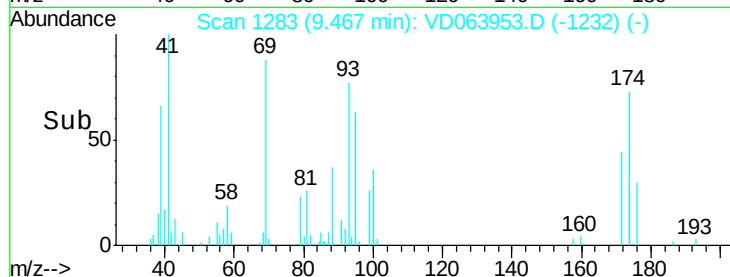
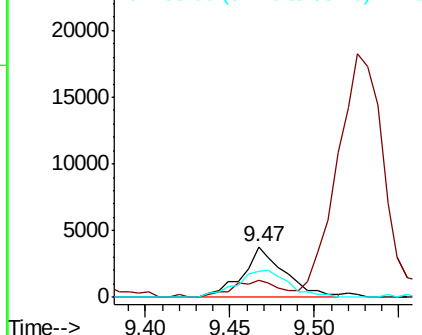
Tot Ion: 88 Resp: 6586
Ion Ratio Lower Upper
88 100
43 38.3 27.6 41.4
58 65.0 54.1 81.1

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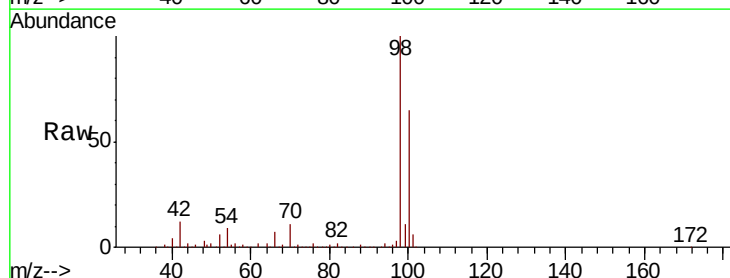


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

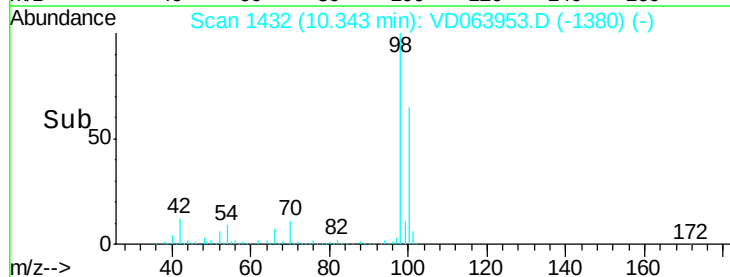
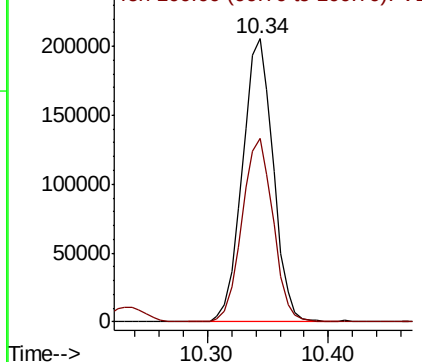


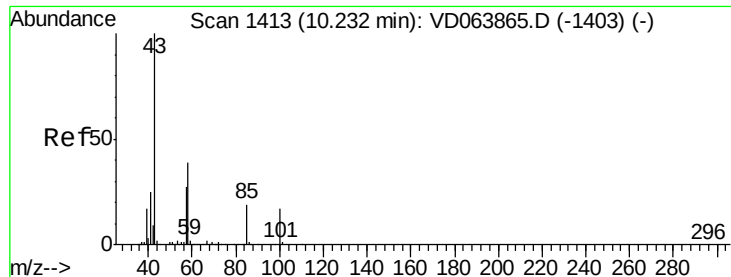
#50
Toluene-d8
Concen: 52.544 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.01 min
Lab File: VD063953.D
Acq: 14 Oct 2019 14:01

Tgt Ion: 98 Resp: 366182
Ion Ratio Lower Upper
98 100
100 65.6 52.1 78.1



Abundance Ion 98.00 (97.70 to 98.70): VDC
Ion 100.00 (99.70 to 100.70): VDC





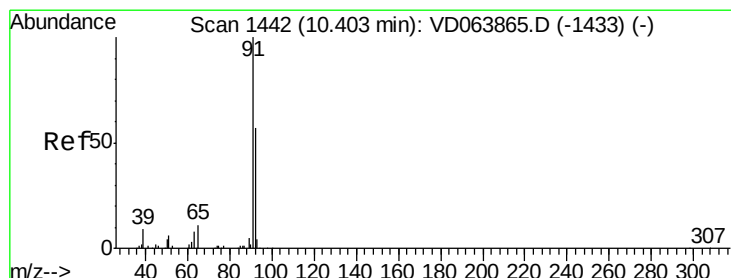
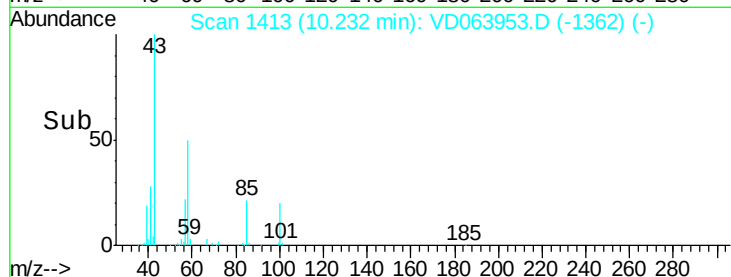
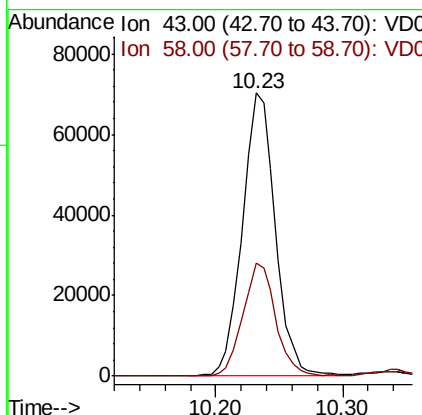
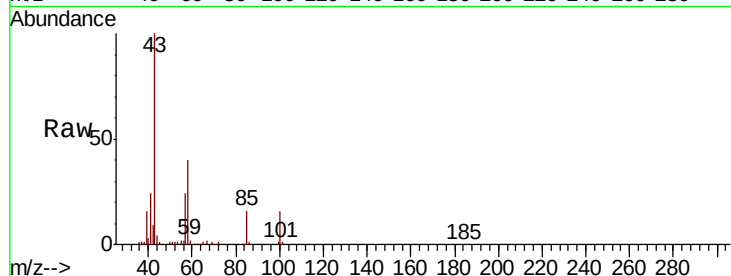
#51
4-Methyl-2-Pentanone
Concen: 113.465 ug/l
RT: 10.23 min Scan# 1413
Delta R.T. -0.00 min
Lab File: VD063953.D
Acq: 14 Oct 2019 14:01

Instrument :
MSVOA_D
ClientSampleId :
VD1014SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	39.9	33.0	49.4

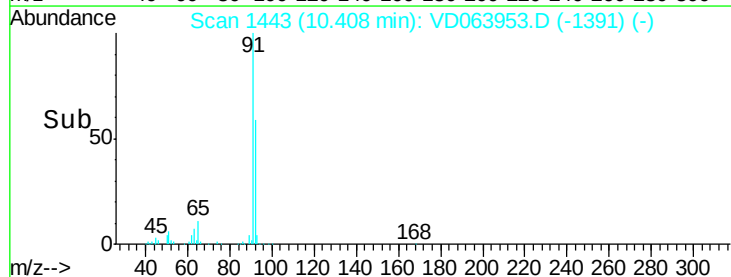
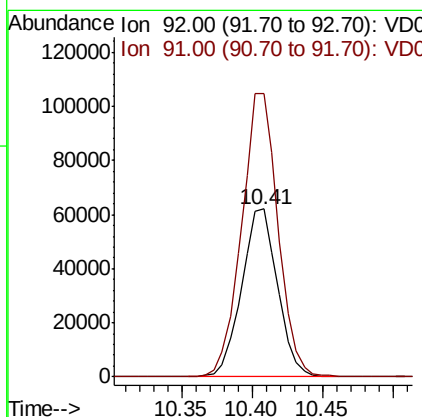
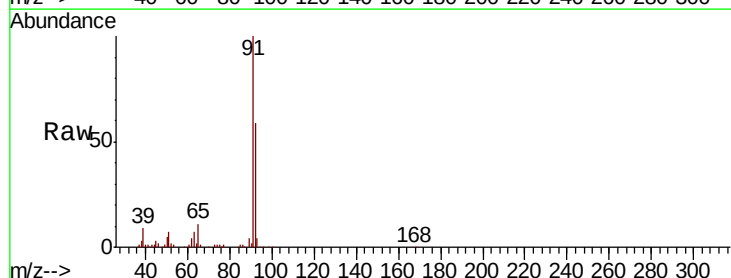
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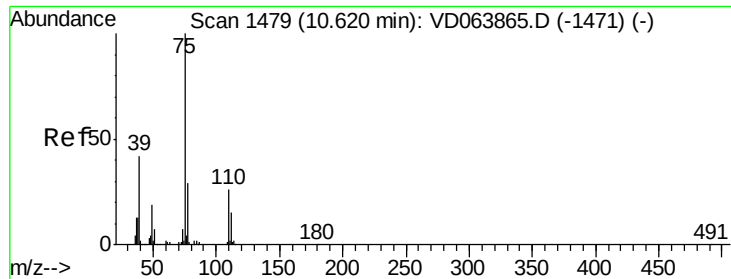
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#52
Toluene
Concen: 21.960 ug/l
RT: 10.41 min Scan# 1443
Delta R.T. 0.01 min
Lab File: VD063953.D
Acq: 14 Oct 2019 14:01

Tgt Ion	Ratio	Lower	Upper
92	100		
91	170.6	139.5	209.3





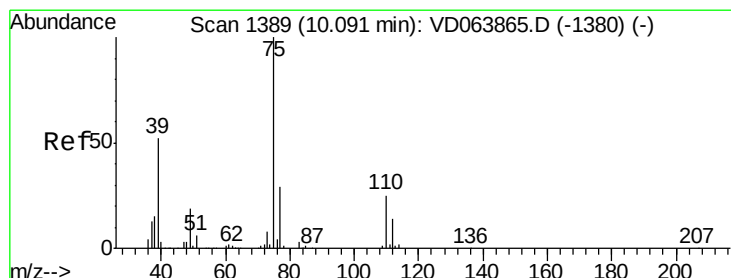
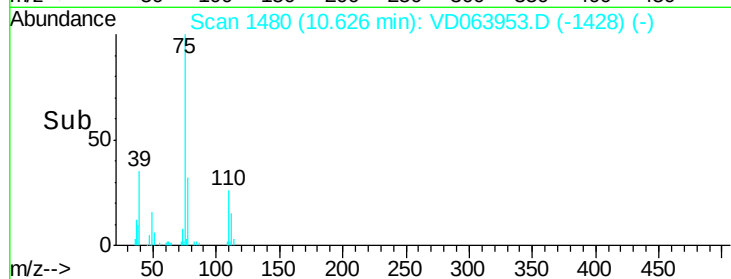
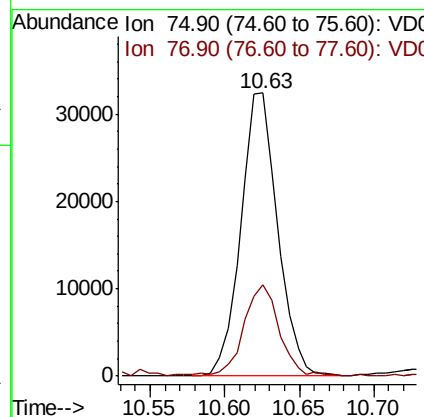
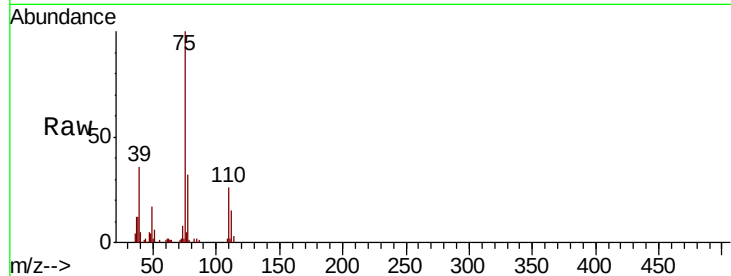
#53
 t-1,3-Dichloropropene
 Concen: 21.508 ug/l
 RT: 10.63 min Scan# 1480
 Delta R.T. 0.01 min
 Lab File: VD063953.D
 Acq: 14 Oct 2019 14:01

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1014SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.1	22.8	34.2

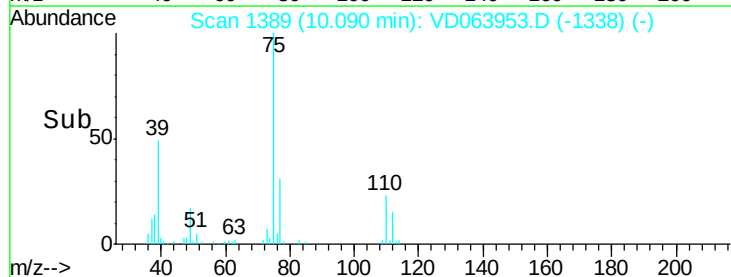
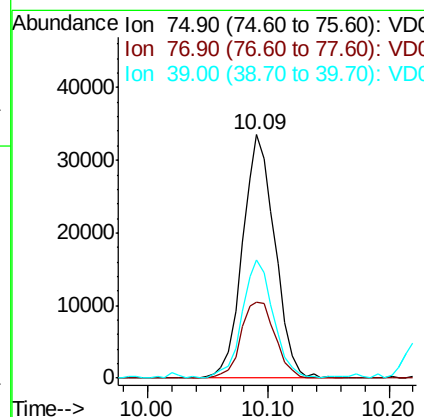
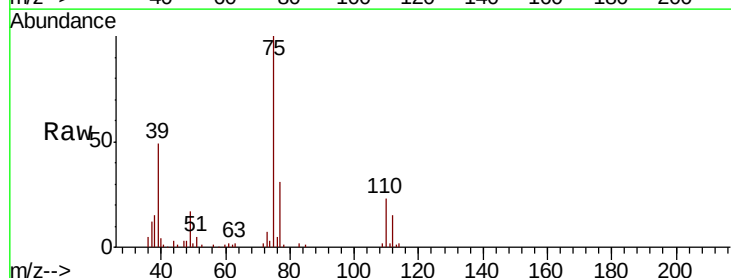
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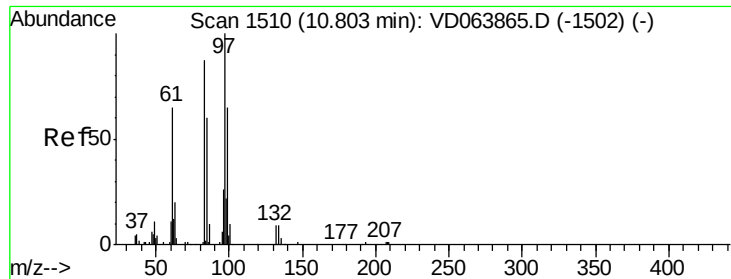
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#54
 cis-1,3-Dichloropropene
 Concen: 20.982 ug/l
 RT: 10.09 min Scan# 1389
 Delta R.T. -0.00 min
 Lab File: VD063953.D
 Acq: 14 Oct 2019 14:01

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.4	23.2	34.8
39	48.1	41.5	62.3





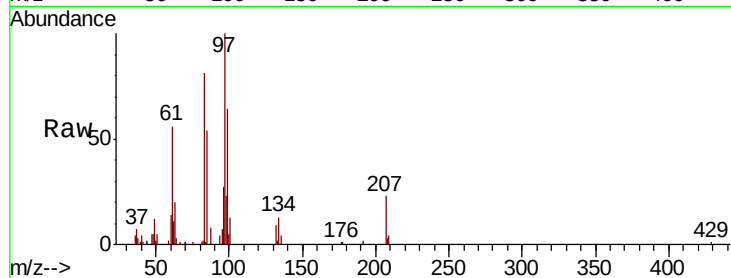
#55
 1,1,2-Trichloroethane
 Concen: 22.620 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. -0.00 min
 Lab File: VD063953.D
 Acq: 14 Oct 2019 14:01

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1014SBS01

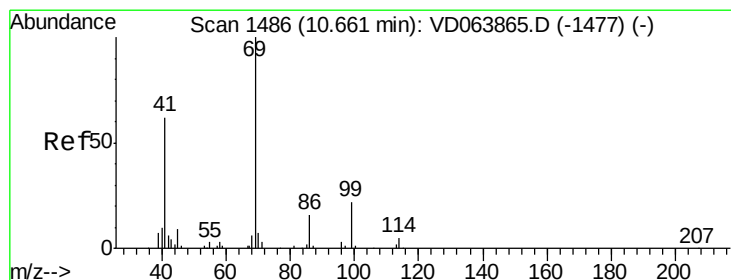
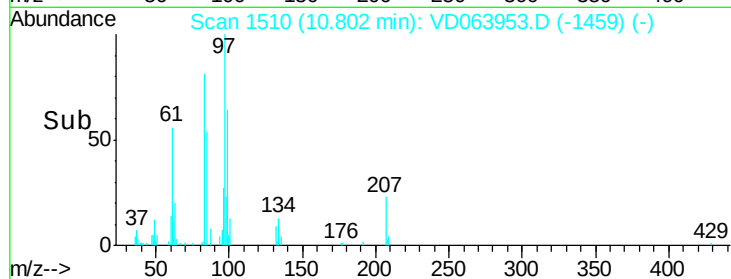
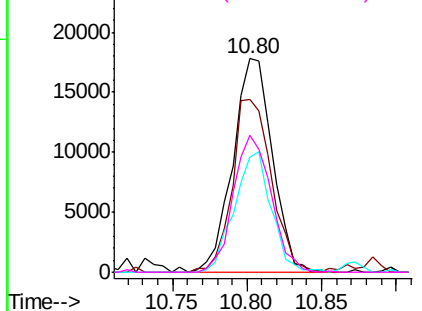
Tot Ion:	97	Resp:	32774
Ion	Ratio	Lower	Upper
97	100		
83	80.8	69.7	104.5
85	54.0	48.1	72.1
99	63.8	51.9	77.9

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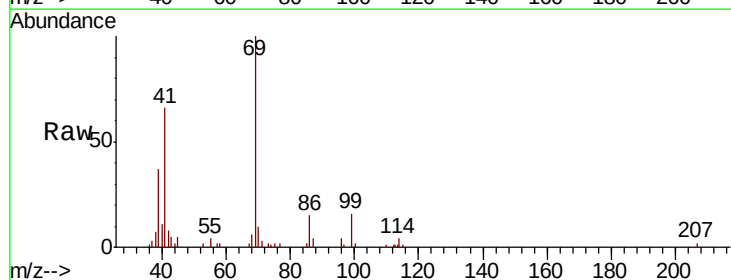


Abundance Ion 96.90 (96.60 to 97.60): VDC
 Ion 82.90 (82.60 to 83.60): VDC
 Ion 84.90 (84.60 to 85.60): VDC
 Ion 98.90 (98.60 to 99.60): VDC

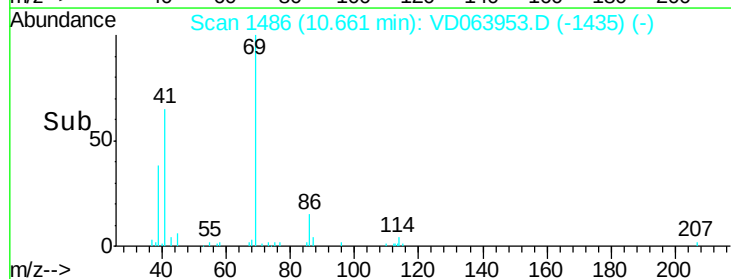
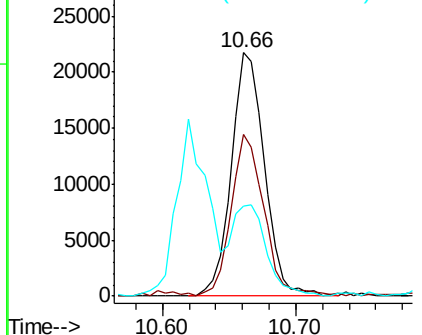


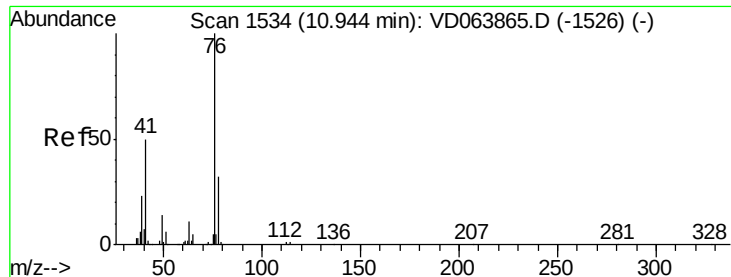
#56
 Ethyl methacrylate
 Concen: 20.452 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. -0.00 min
 Lab File: VD063953.D
 Acq: 14 Oct 2019 14:01

Tgt Ion:	69	Resp:	37527
Ion	Ratio	Lower	Upper
69	100		
41	66.3	51.3	76.9
39	40.4	28.0	42.0



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





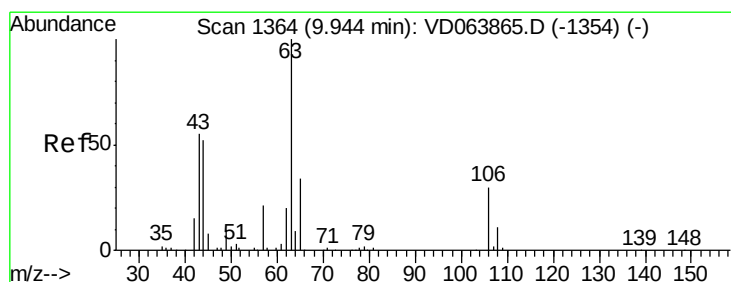
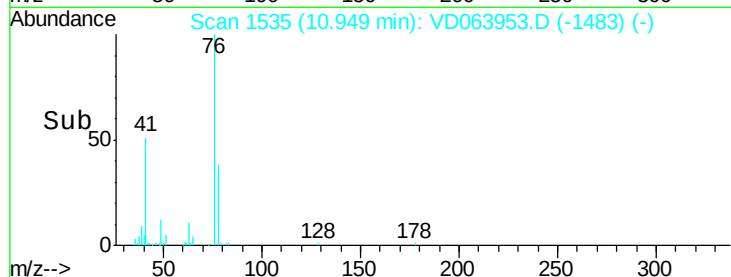
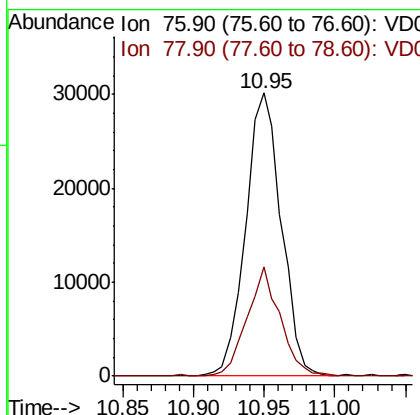
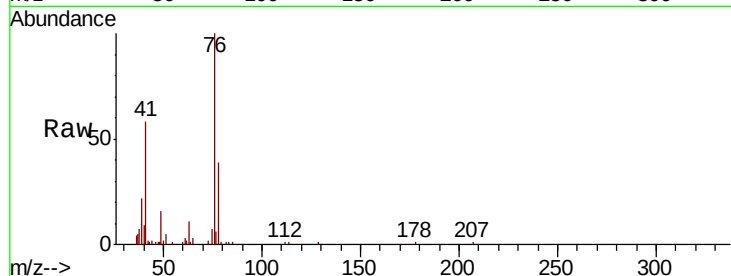
#57
 1,3-Dichloropropane
 Concen: 21.534 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.01 min
 Lab File: VD063953.D
 Acq: 14 Oct 2019 14:01

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1014SBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	35.9	26.6	40.0

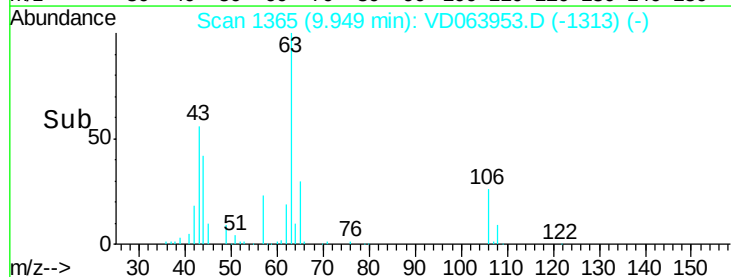
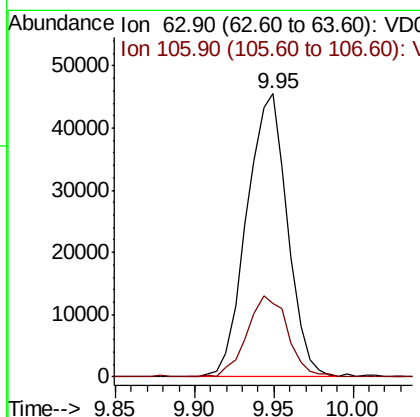
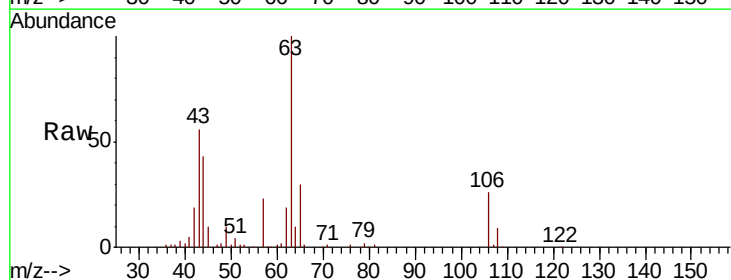
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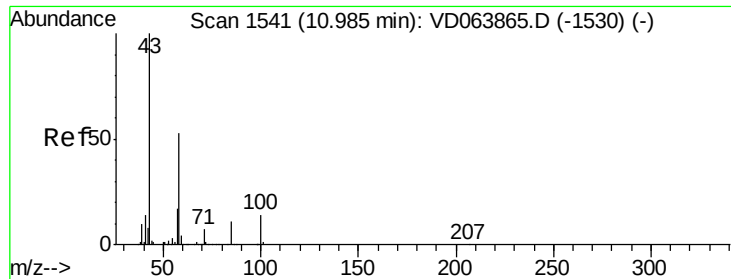
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#58
 2-Chloroethyl Vinyl ether
 Concen: 102.958 ug/l
 RT: 9.95 min Scan# 1365
 Delta R.T. 0.01 min
 Lab File: VD063953.D
 Acq: 14 Oct 2019 14:01

Tgt Ion	Ratio	Lower	Upper
63	100		
106	28.7	24.3	36.5





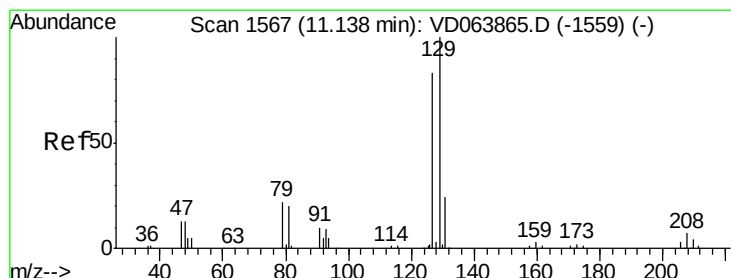
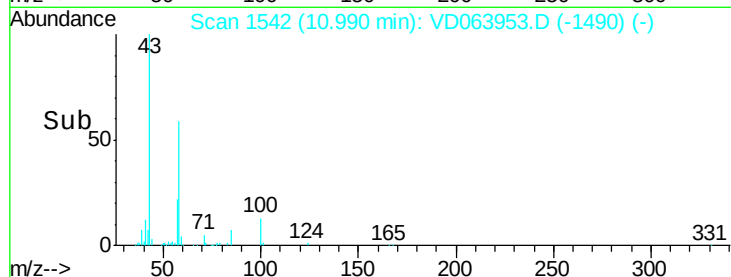
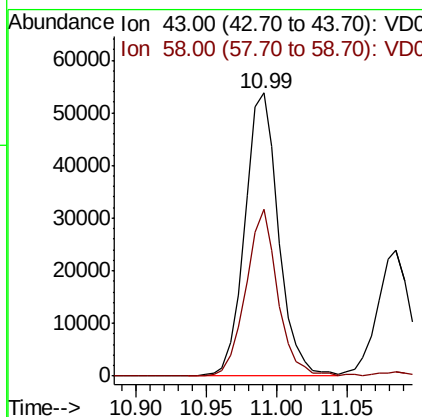
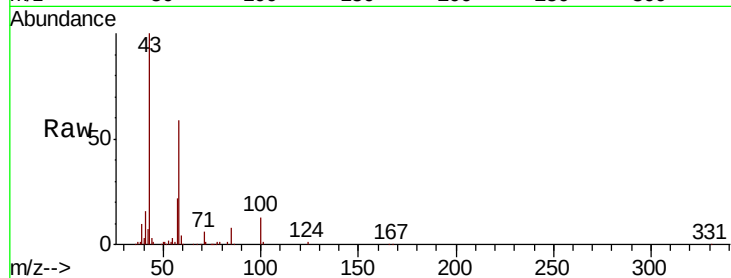
#59
2-Hexanone
Concen: 111.690 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.01 min
Lab File: VD063953.D
Acq: 14 Oct 2019 14:01

Instrument :
MSVOA_D
ClientSampleId :
VD1014SBS01

Tot Ion: 43 Resp: 90269
Ion Ratio Lower Upper
43 100
58 55.2 27.7 83.0

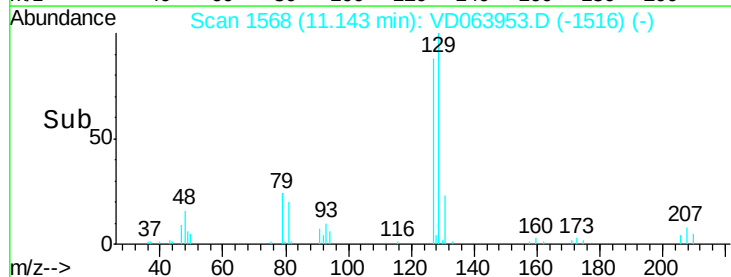
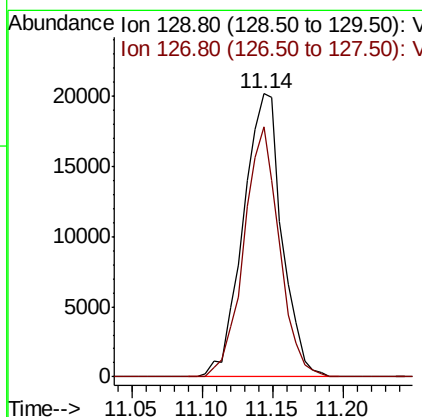
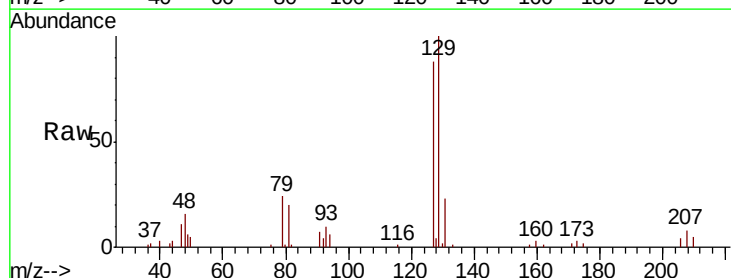
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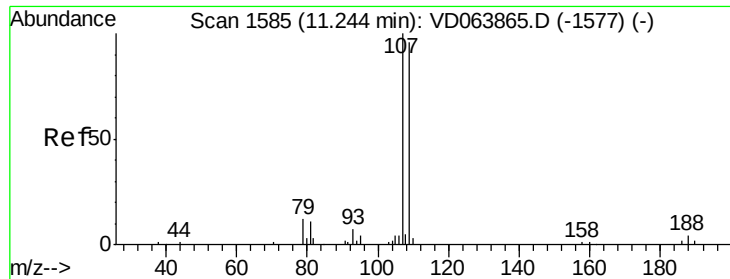
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#60
Dibromochloromethane
Concen: 20.661 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.01 min
Lab File: VD063953.D
Acq: 14 Oct 2019 14:01

Tgt Ion: 129 Resp: 38974
Ion Ratio Lower Upper
129 100
127 80.6 39.9 119.6





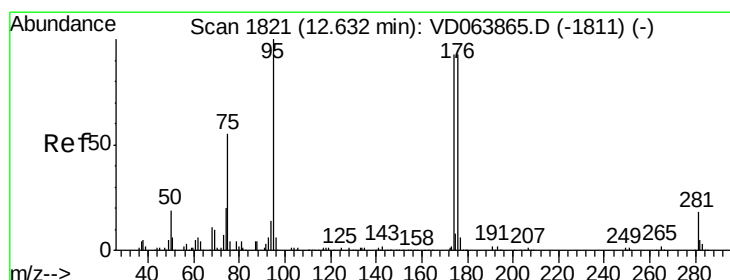
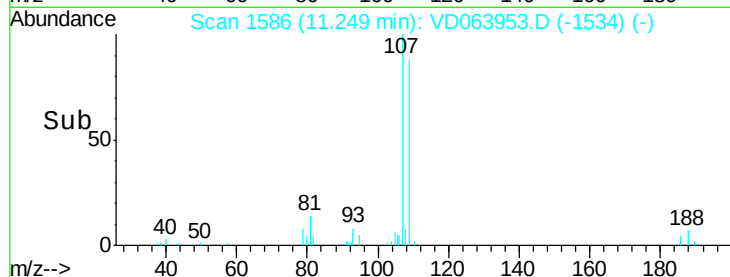
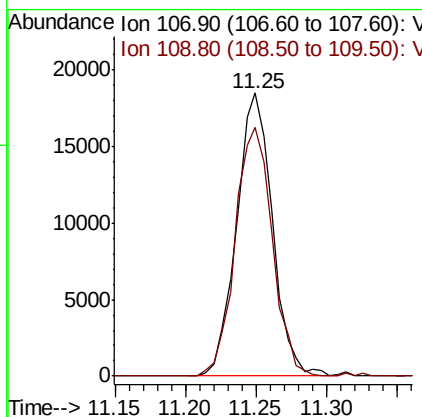
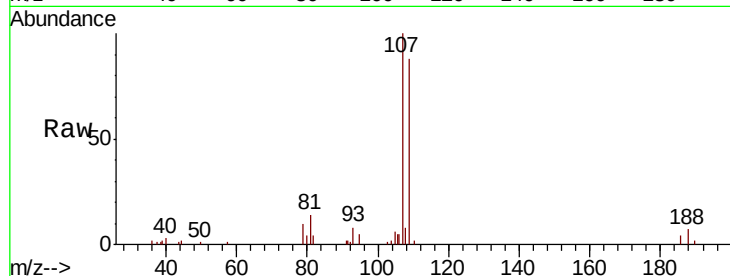
#61
 1,2-Dibromoethane
 Concen: 23.386 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.01 min
 Lab File: VD063953.D
 Acq: 14 Oct 2019 14:01

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1014SBSD01

Tot Ion: 107 Resp: 32849
 Ion Ratio Lower Upper
 107 100
 109 90.9 75.2 112.8

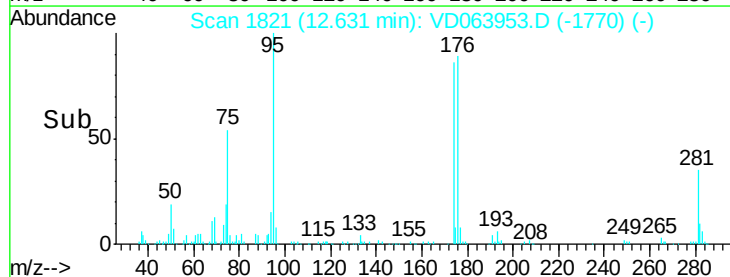
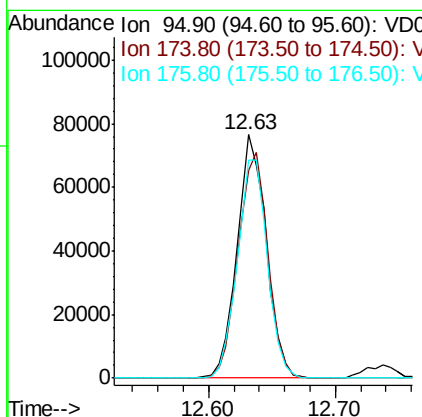
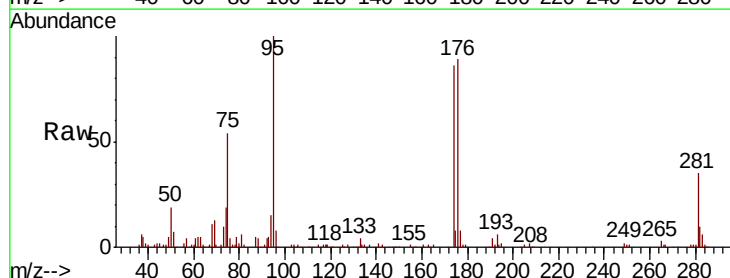
Manual Integrations
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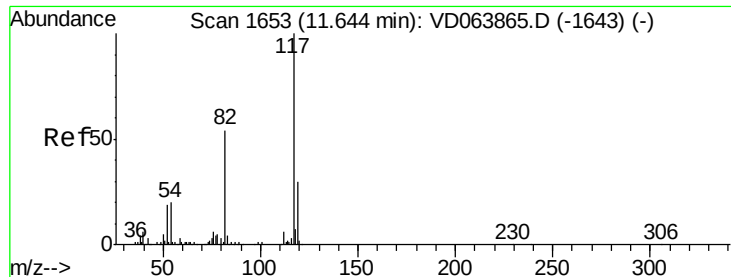
MMDadoda
 10/16/2019 12:54:30 AM



#62
 4-Bromofluorobenzene
 Concen: 50.261 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. -0.00 min
 Lab File: VD063953.D
 Acq: 14 Oct 2019 14:01

Tgt Ion: 95 Resp: 121718
 Ion Ratio Lower Upper
 95 100
 174 95.2 0.0 186.4
 176 92.4 0.0 184.2





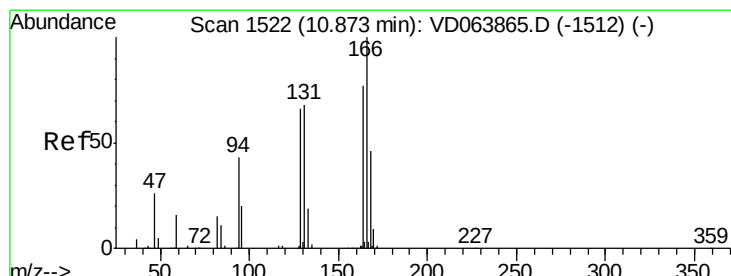
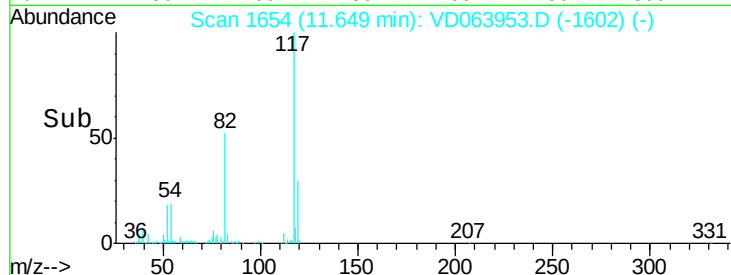
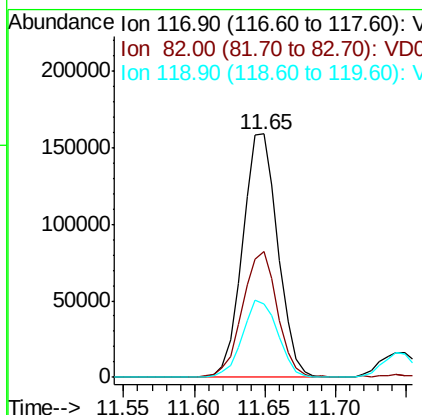
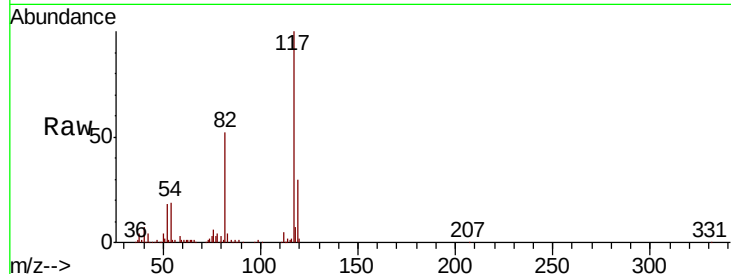
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.01 min
Lab File: VD063953.D
Acq: 14 Oct 2019 14:01

Instrument :
MSVOA_D
ClientSampleId :
VD1014SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	277674		
82	51.9		42.8	64.2
119	29.9		24.4	36.6

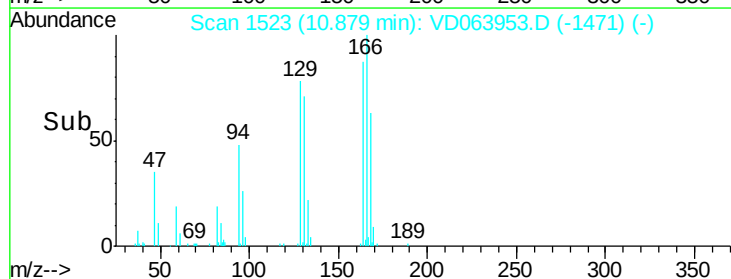
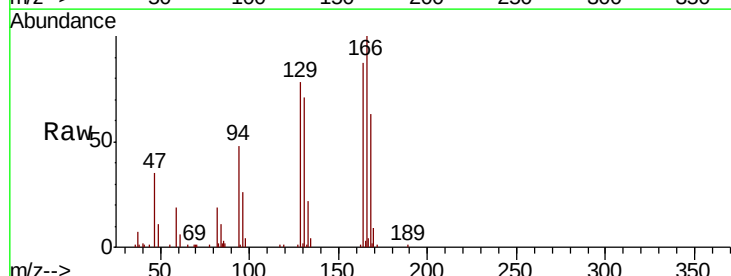
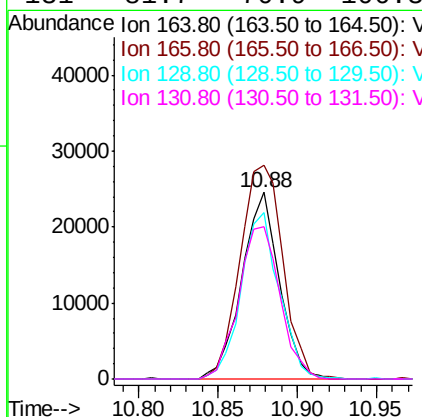
Manual Integrations
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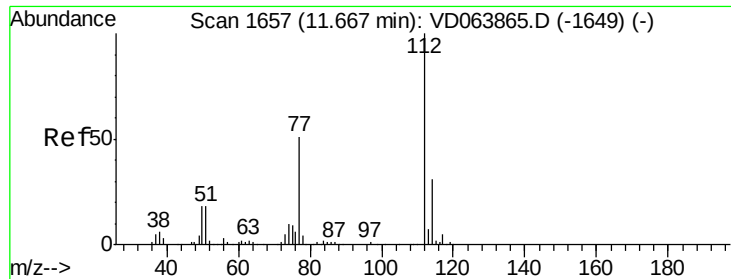
MMDadoda
10/16/2019 12:54:30 AM



#64
Tetrachloroethene
Concen: 21.291 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.01 min
Lab File: VD063953.D
Acq: 14 Oct 2019 14:01

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	40360		
166	114.6		103.8	155.6
129	89.7		68.9	103.3
131	81.7		70.9	106.3





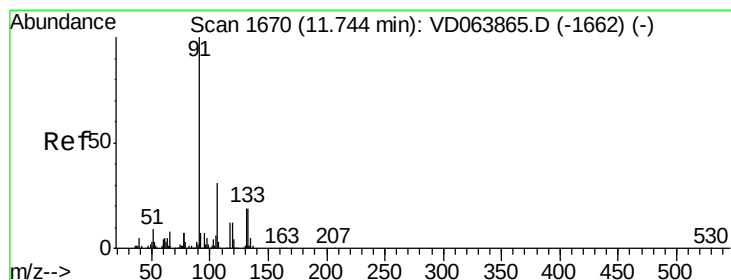
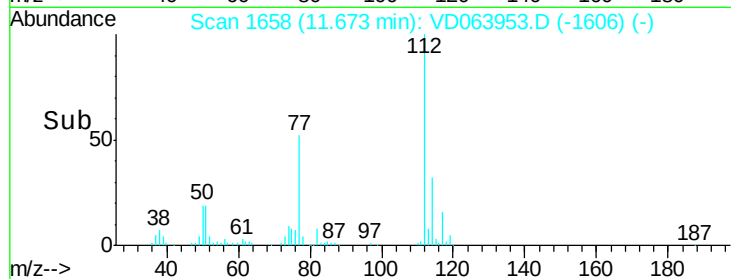
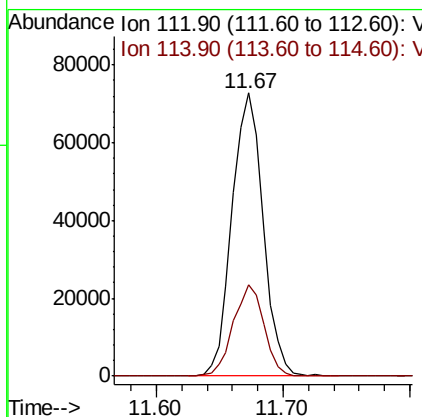
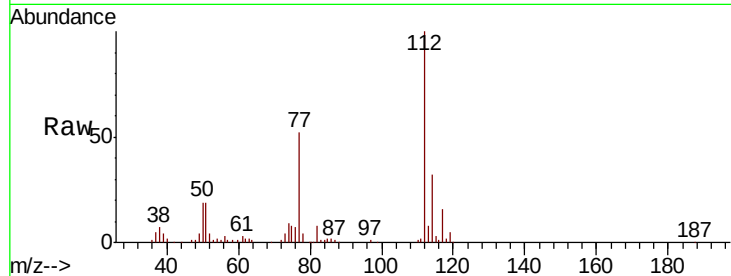
#65
Chlorobenzene
Concen: 22.133 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.01 min
Lab File: VD063953.D
Acq: 14 Oct 2019 14:01

Instrument :
MSVOA_D
ClientSampleId :
VD1014SBSD01

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.1	25.1	37.7

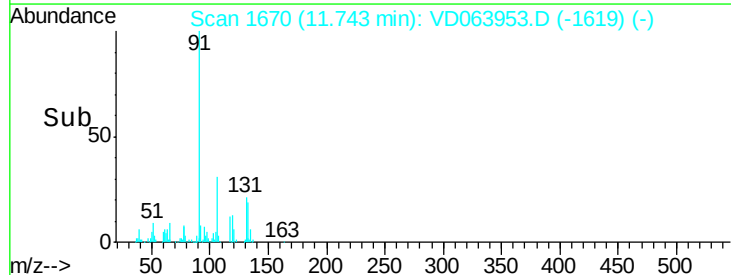
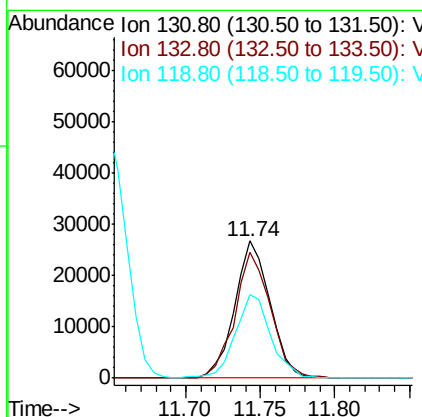
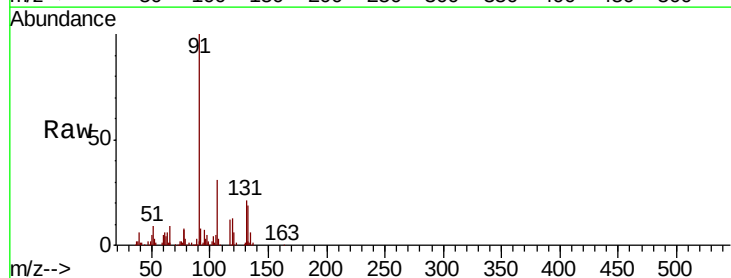
Manual Integrations
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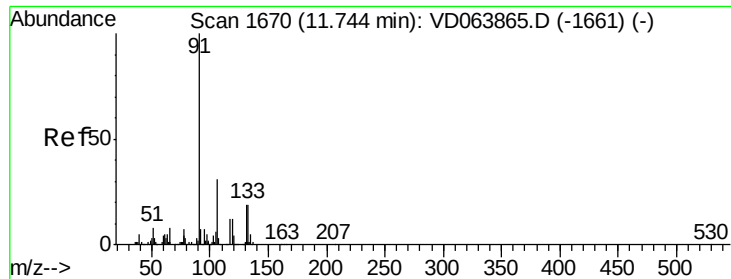
MMDadoda
10/16/2019 12:54:30 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 21.467 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. -0.00 min
Lab File: VD063953.D
Acq: 14 Oct 2019 14:01

Tgt Ion	Ratio	Lower	Upper
131	100		
133	93.0	48.9	146.7
119	60.9	32.6	97.8





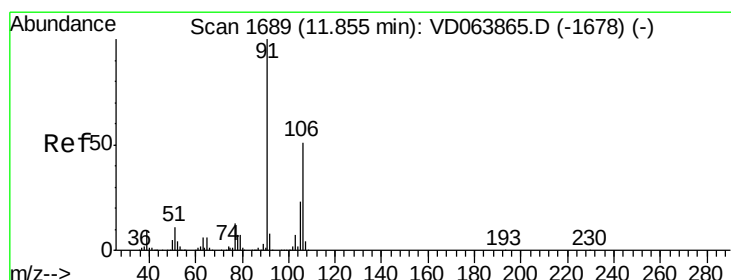
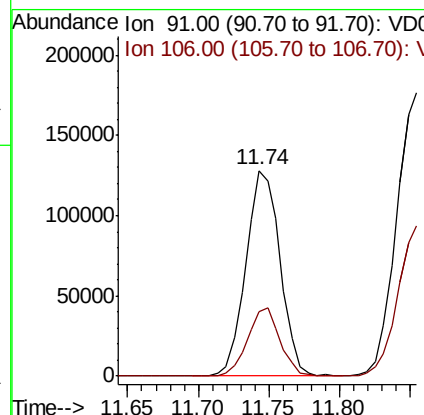
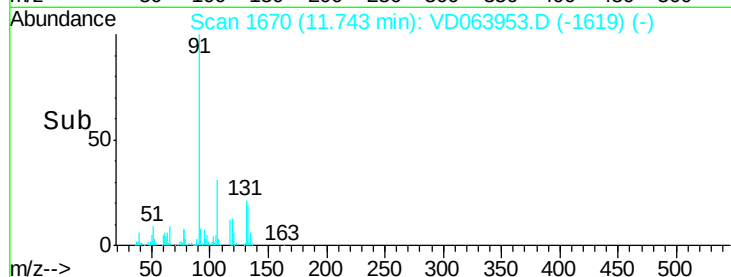
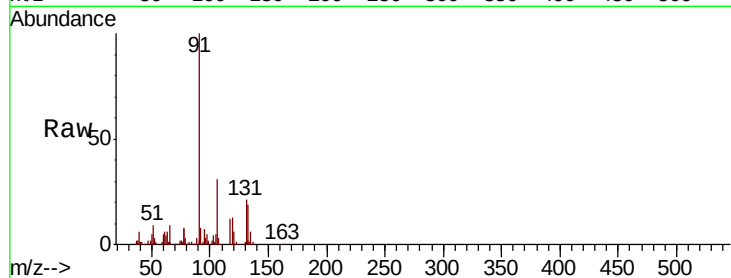
#67
Ethyl Benzene
Concen: 21.623 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. -0.00 min
Lab File: VD063953.D
Acq: 14 Oct 2019 14:01

Instrument :
MSVOA_D
ClientSampleId :
VD1014SBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
106	31.1	24.6	37.0

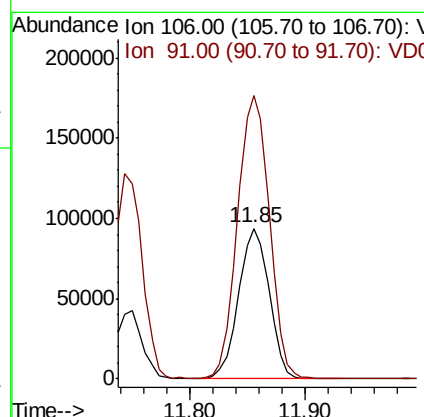
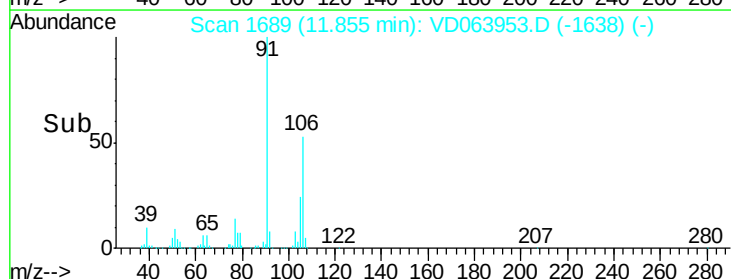
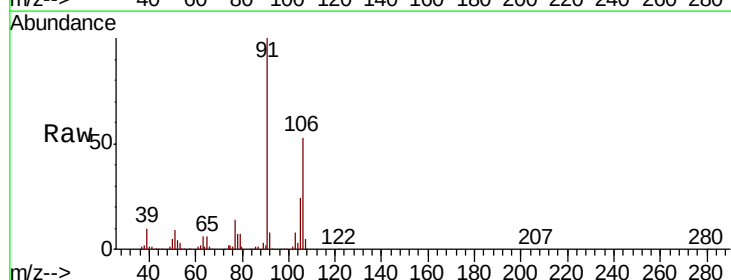
Manual Integrations
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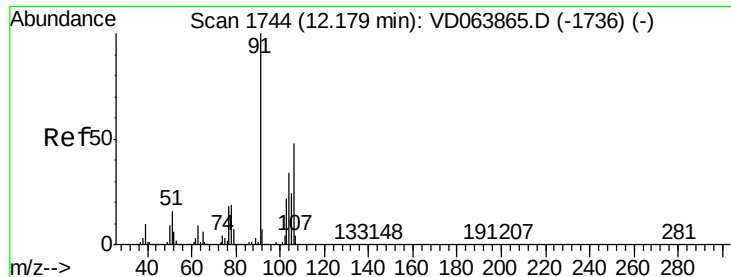
MMDadoda
10/16/2019 12:54:30 AM



#68
m/p-Xylenes
Concen: 44.515 ug/l
RT: 11.85 min Scan# 1689
Delta R.T. -0.00 min
Lab File: VD063953.D
Acq: 14 Oct 2019 14:01

Tgt Ion	Ratio	Lower	Upper
106	100		
91	195.5	154.8	232.2





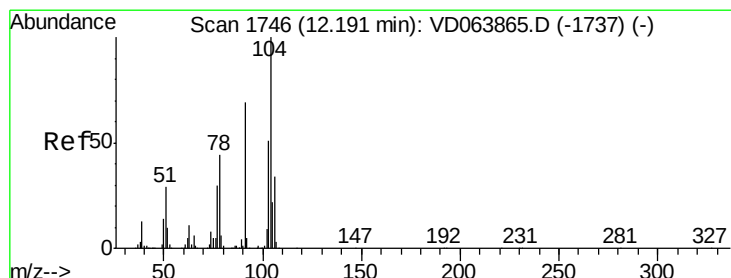
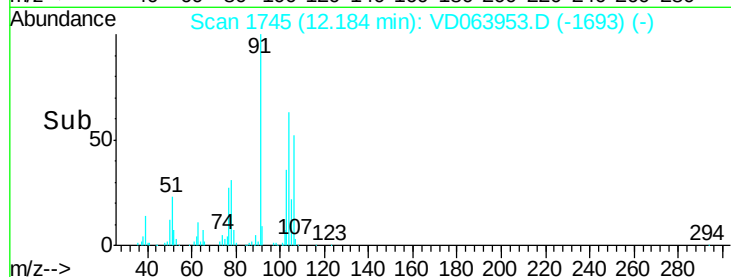
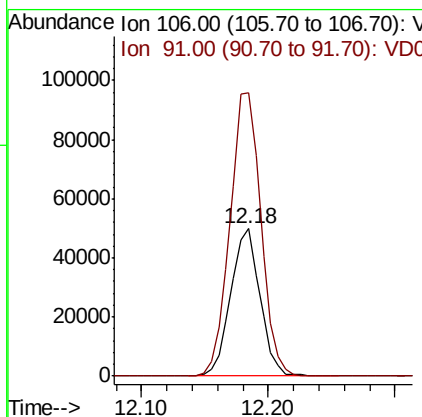
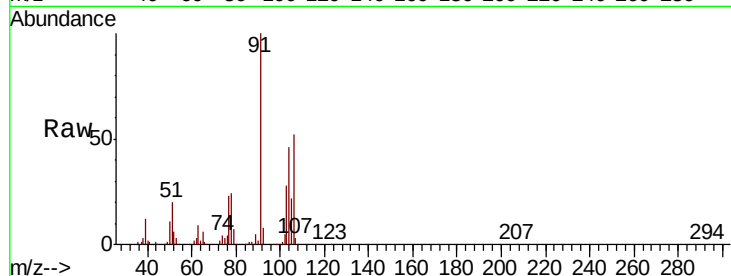
#69
o-Xylene
Concen: 21.402 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.01 min
Lab File: VD063953.D
Acq: 14 Oct 2019 14:01

Instrument :
MSVOA_D
ClientSampleId :
VD1014SBS01

Tot Ion	Ratio	Lower	Upper
106	100		
91	203.1	103.9	311.7

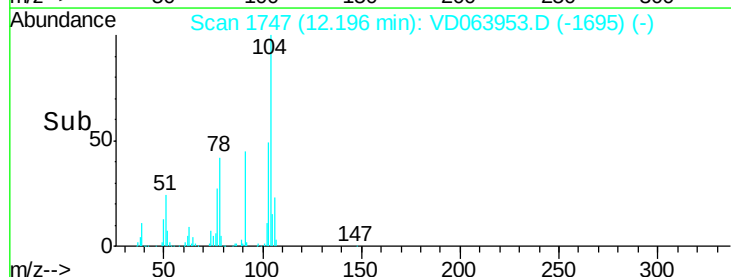
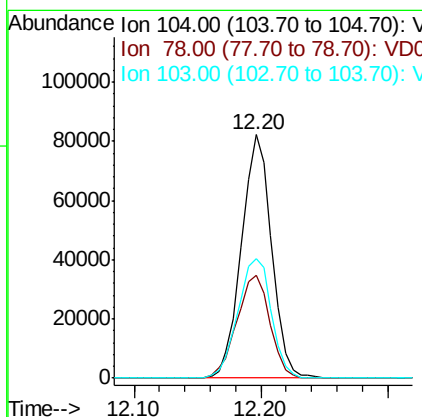
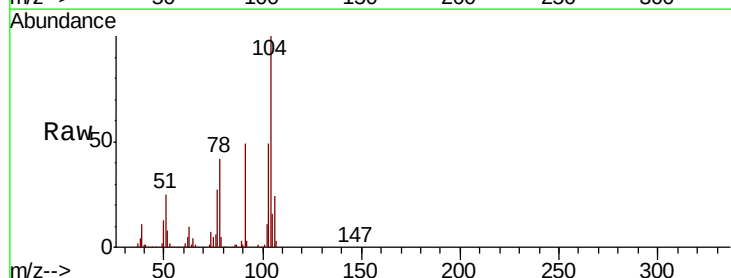
Manual Integrations
APPROVED

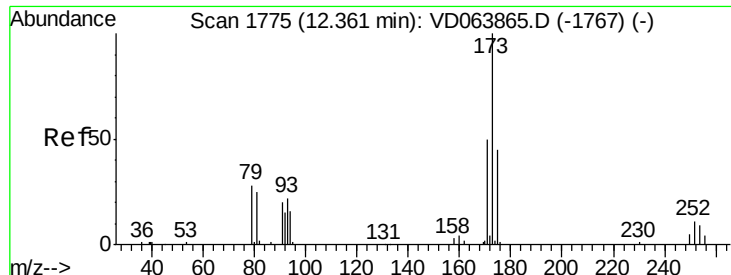
MMDadoda
10/16/2019 12:54:30 AM



#70
Styrene
Concen: 21.592 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.01 min
Lab File: VD063953.D
Acq: 14 Oct 2019 14:01

Tgt Ion	Ratio	Lower	Upper
104	100		
78	45.9	37.0	55.4
103	54.7	44.2	66.4





#71

Bromoform

Concen: 23.052 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.01 min

Lab File: VD063953.D

Acq: 14 Oct 2019 14:01

Instrument :

MSVOA_D

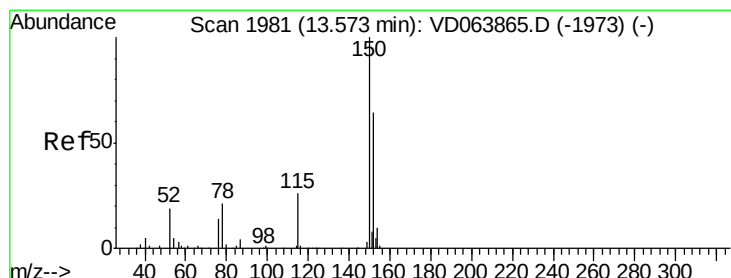
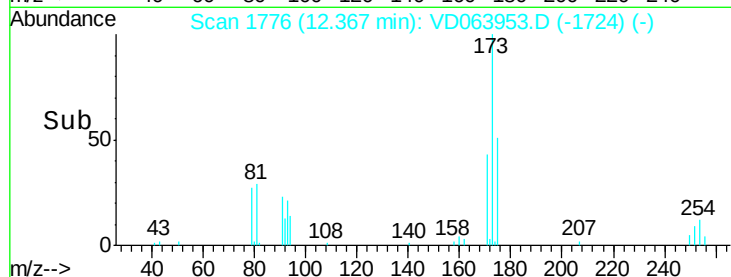
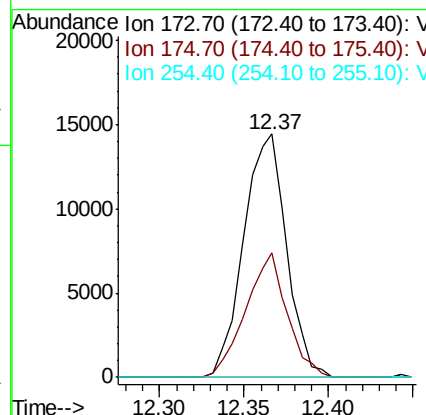
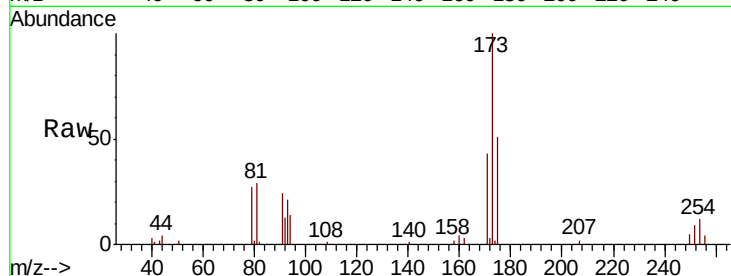
ClientSampleId :

VD1014SBSD01

Tot Ion:	173	Resp:	25421
Ion Ratio	Lower	Upper	
173	100		
175	49.9	24.6	74.0
254	0.0	0.0	0.0

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

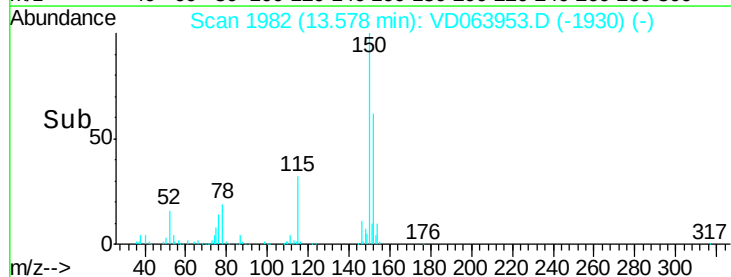
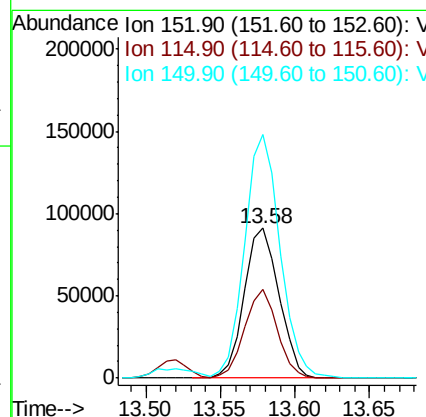
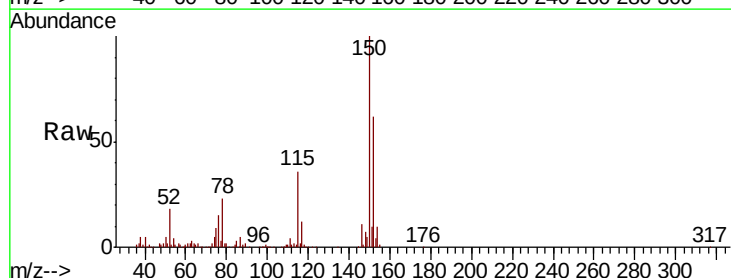
RT: 13.58 min Scan# 1982

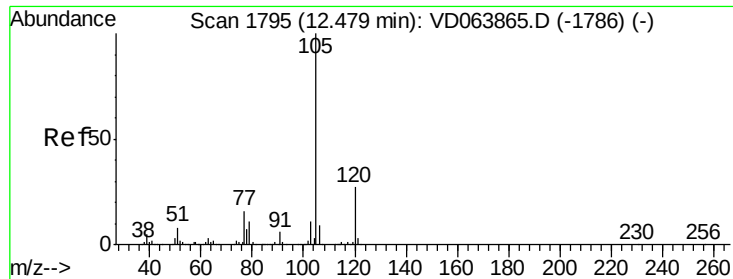
Delta R.T. 0.01 min

Lab File: VD063953.D

Acq: 14 Oct 2019 14:01

Tgt Ion:	152	Resp:	147390
Ion Ratio	Lower	Upper	
152	100		
115	55.7	25.9	77.7
150	164.8	0.0	344.2





#73

Isopropylbenzene

Concen: 21.804 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.01 min

Lab File: VD063953.D

Acq: 14 Oct 2019 14:01

Instrument :

MSVOA_D

ClientSampleId :

VD1014SBS01

Tot Ion: 105 Resp: 216039

Ion Ratio Lower Upper

105 100

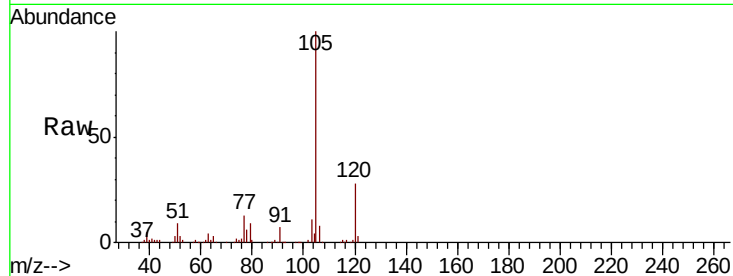
120 28.0 13.3 39.8

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

150000

120000

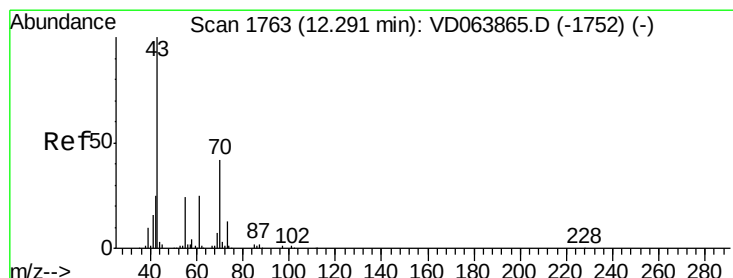
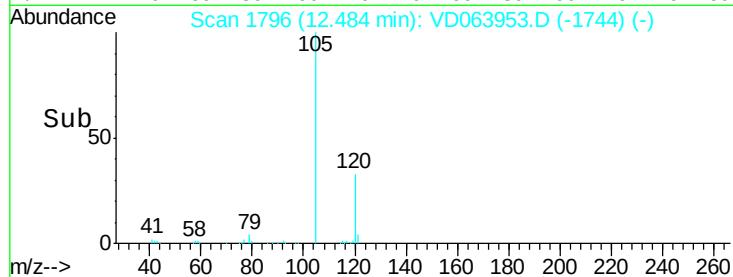
100000

50000

0

12.40 12.45 12.50 12.55

Time-->



#74

N-ethyl acetate

Concen: 21.207 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.00 min

Lab File: VD063953.D

Acq: 14 Oct 2019 14:01

Tgt Ion: 43 Resp: 45241

Ion Ratio Lower Upper

43 100

70 46.4 35.8 53.6

55 25.4 19.4 29.0

61 26.0 20.4 30.6

Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 61.00 (60.70 to 61.70): VDC

40000

30000

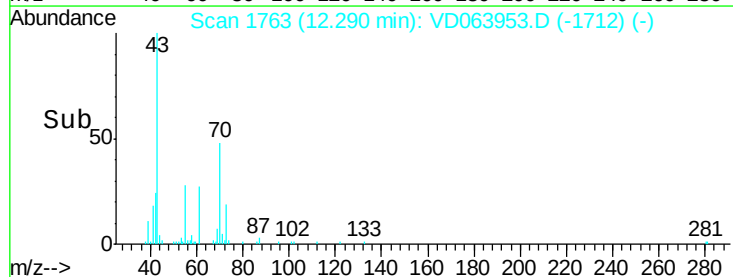
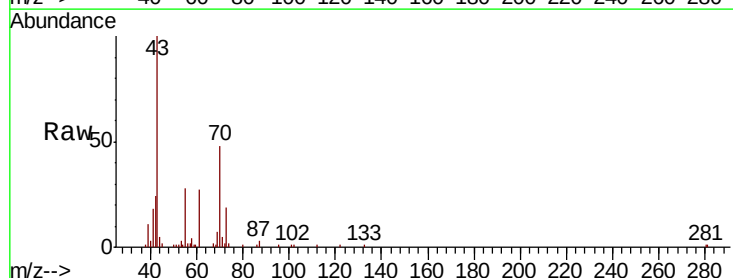
20000

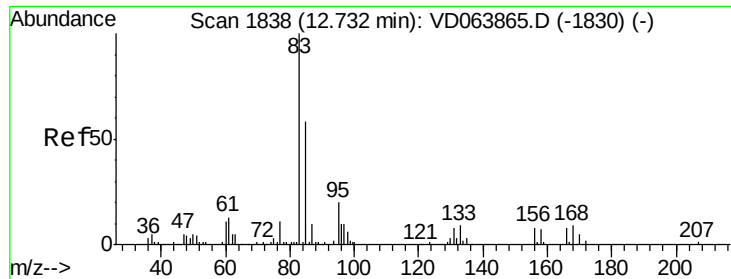
10000

0

12.20 12.30

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 22.569 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.01 min

Lab File: VD063953.D

Acq: 14 Oct 2019 14:01

Instrument :

MSVOA_D

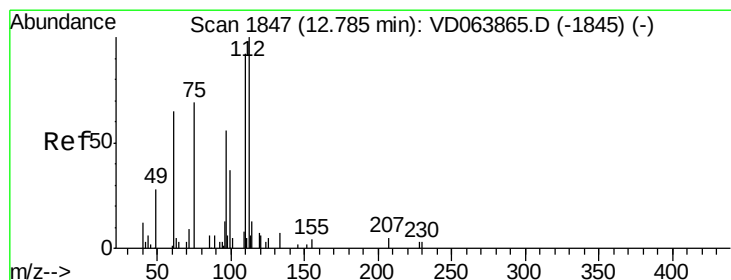
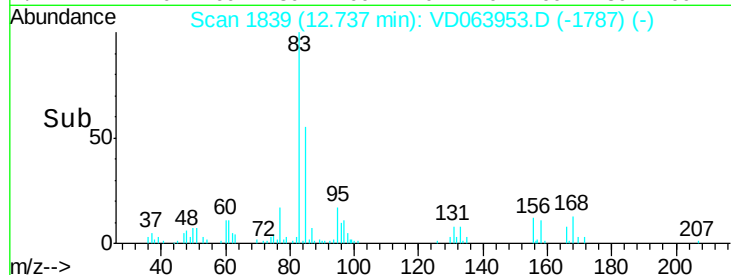
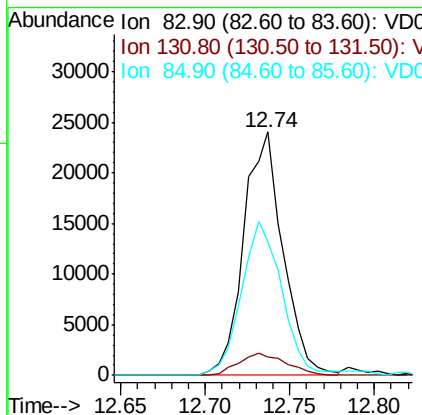
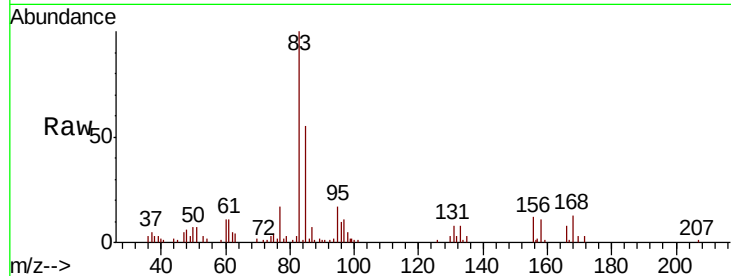
ClientSampleId :

VD1014SBSD01

Tot Ion:	83	Resp:	38912
Ion Ratio	Lower	Upper	
83	100		
131	11.1	5.6	16.8
85	64.8	32.3	96.8

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 26.976 ug/l m

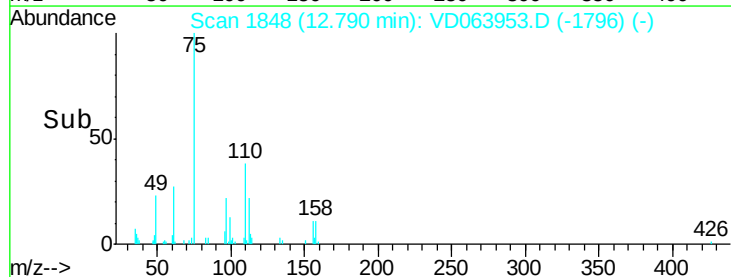
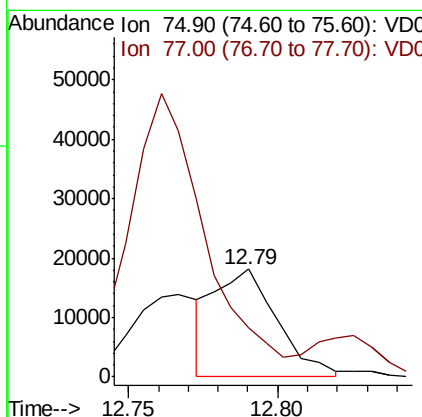
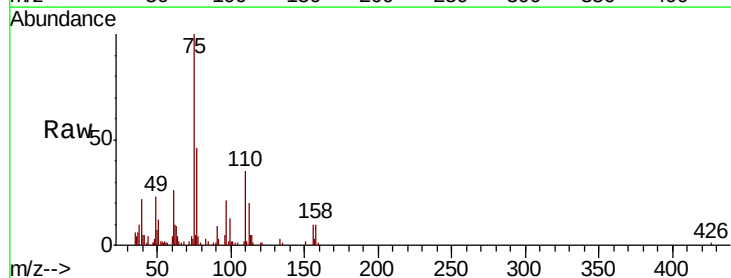
RT: 12.79 min Scan# 1848

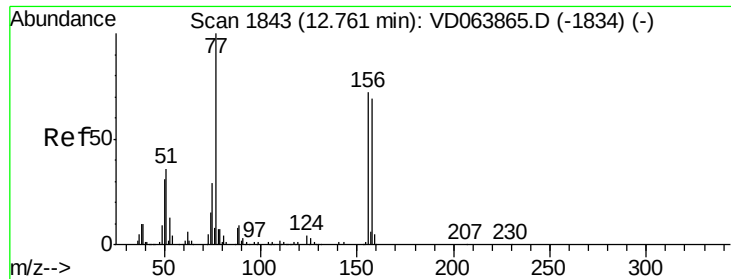
Delta R.T. 0.01 min

Lab File: VD063953.D

Acq: 14 Oct 2019 14:01

Tgt Ion:	75	Resp:	26630
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 21.304 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.01 min

Lab File: VD063953.D

Acq: 14 Oct 2019 14:01

Instrument :

MSVOA_D

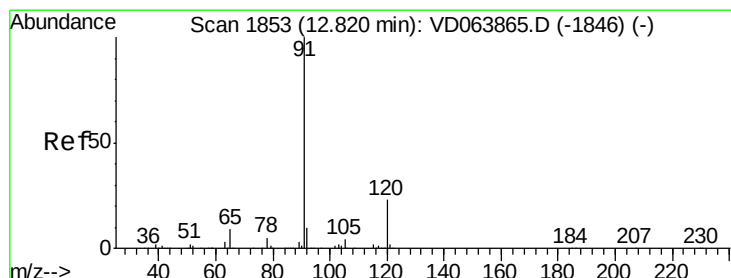
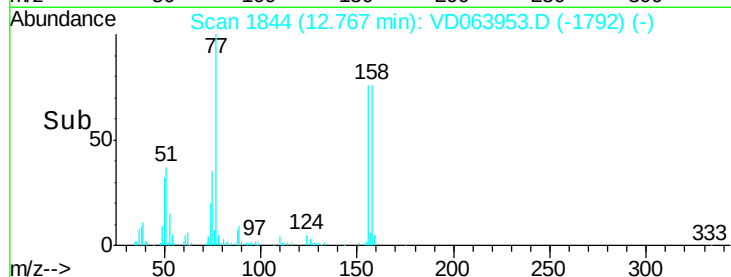
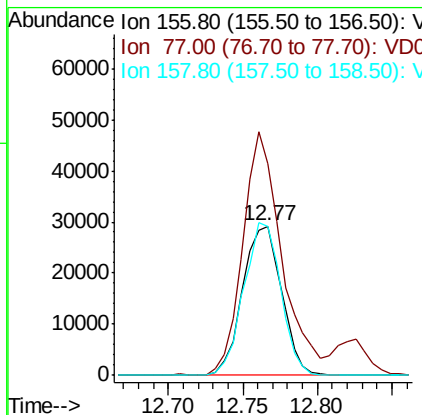
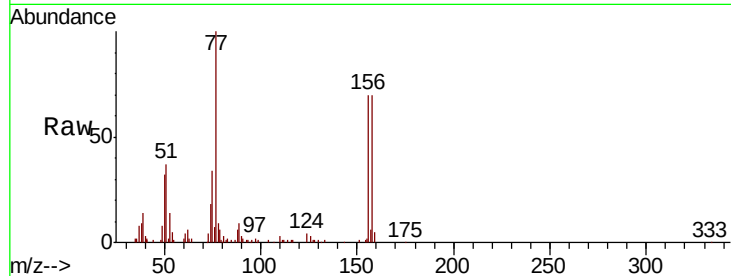
ClientSampleId :

VD1014SBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	163.0	80.3	241.0
158	97.6	47.4	142.2

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#78

n-propylbenzene

Concen: 22.903 ug/l

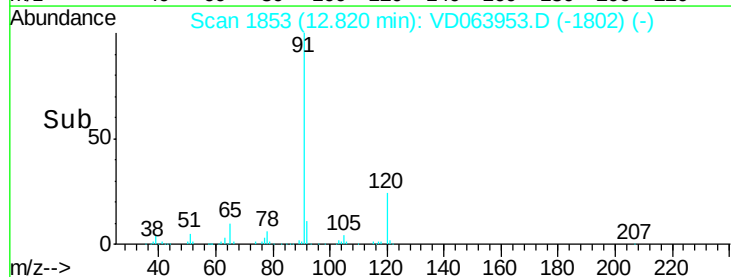
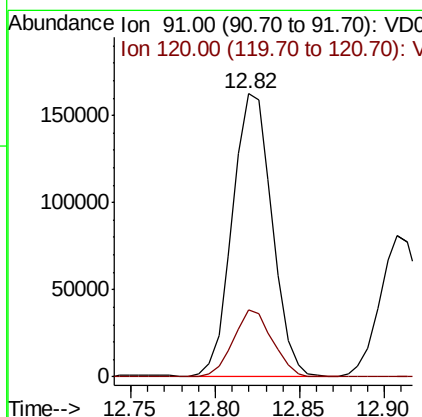
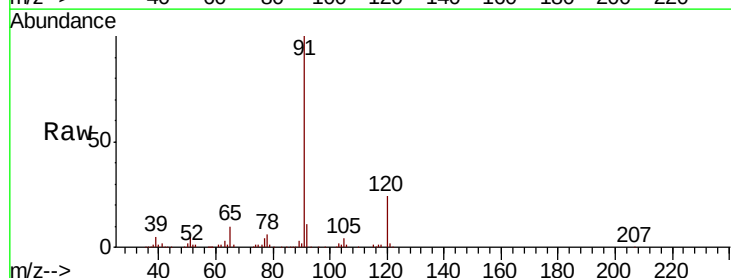
RT: 12.82 min Scan# 1853

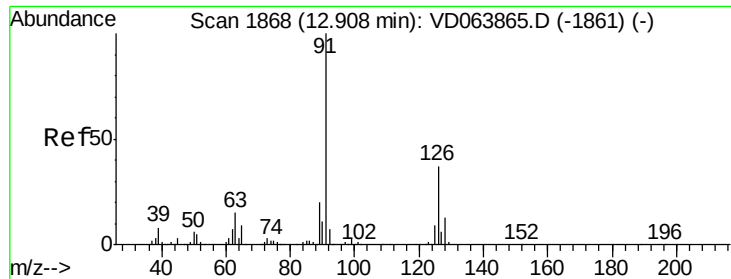
Delta R.T. -0.00 min

Lab File: VD063953.D

Acq: 14 Oct 2019 14:01

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.1	12.0	36.0





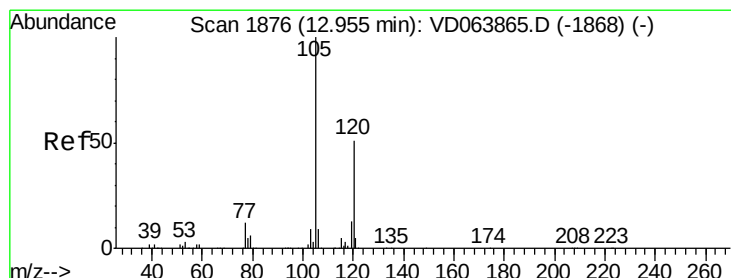
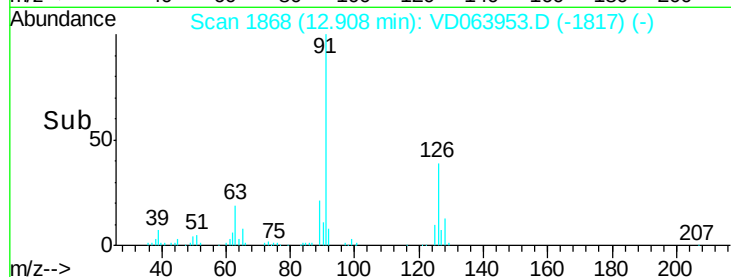
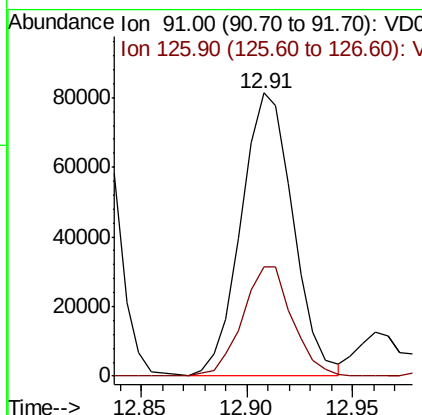
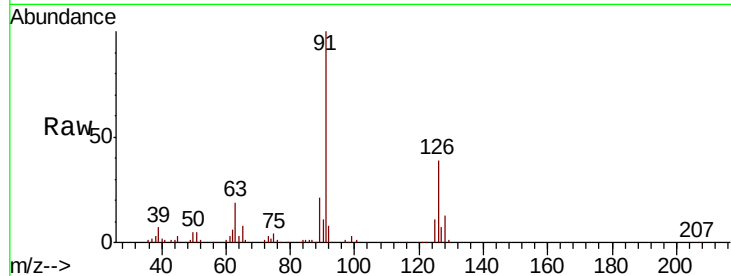
#79
2-Chlorotoluene
Concen: 21.736 ug/l
RT: 12.91 min Scan# 1868
Delta R.T. -0.00 min
Lab File: VD063953.D
Acq: 14 Oct 2019 14:01

Instrument :
MSVOA_D
ClientSampleId :
VD1014SBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
126	37.2	18.4	55.2

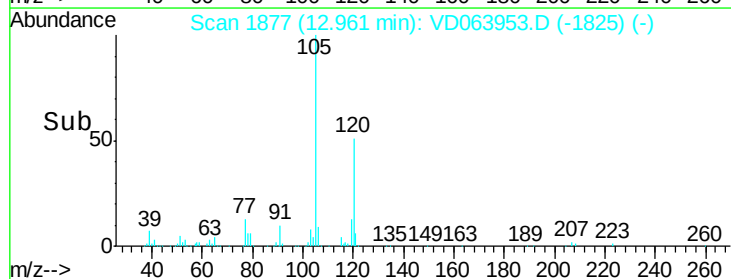
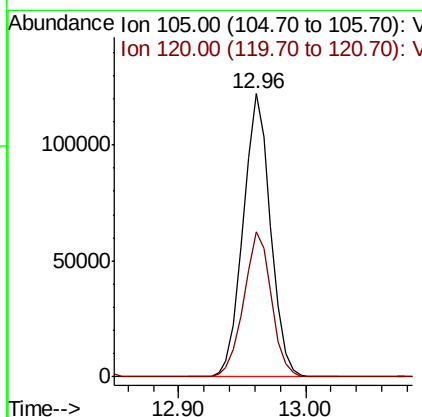
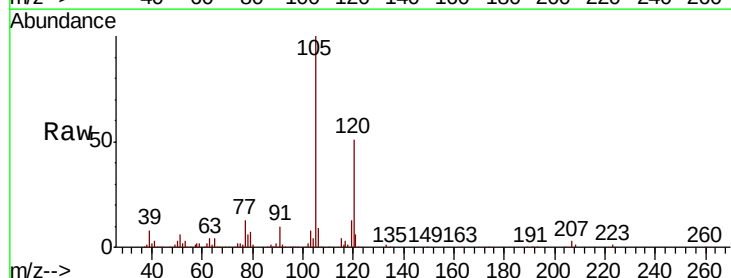
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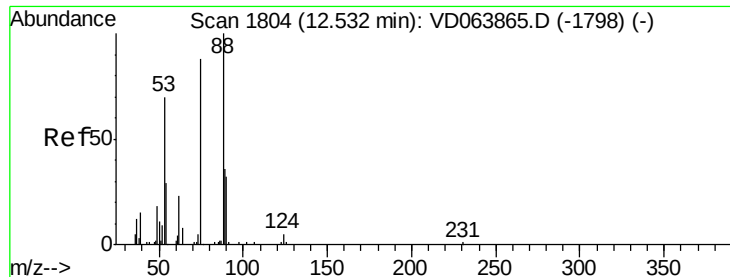
MMDadoda
10/16/2019 12:54:30 AM



#80
1,3,5-Trimethylbenzene
Concen: 22.126 ug/l
RT: 12.96 min Scan# 1877
Delta R.T. 0.01 min
Lab File: VD063953.D
Acq: 14 Oct 2019 14:01

Tgt Ion	Ratio	Lower	Upper
105	100		
120	51.6	25.9	77.8





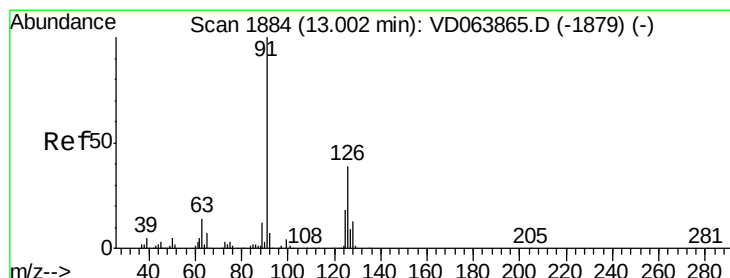
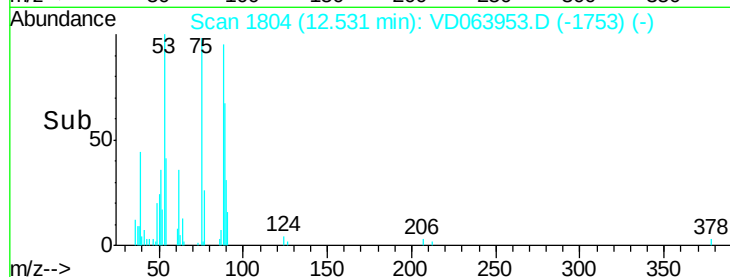
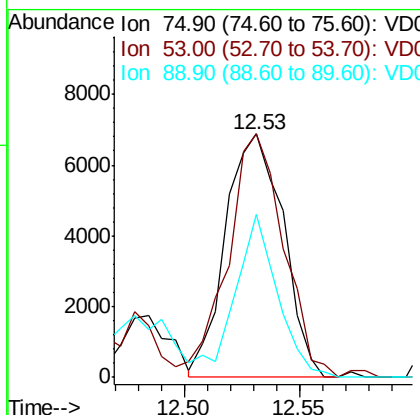
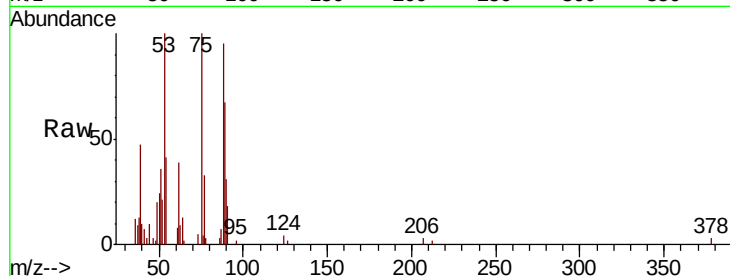
#81
trans-1,4-Dichloro-2-butene
Concen: 21.387 ug/l
RT: 12.53 min Scan# 1804
Delta R.T. -0.00 min
Lab File: VD063953.D
Acq: 14 Oct 2019 14:01

Instrument :
MSVOA_D
ClientSampleId :
VD1014SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	98.4	75.0	112.6
89	49.7	38.2	57.4

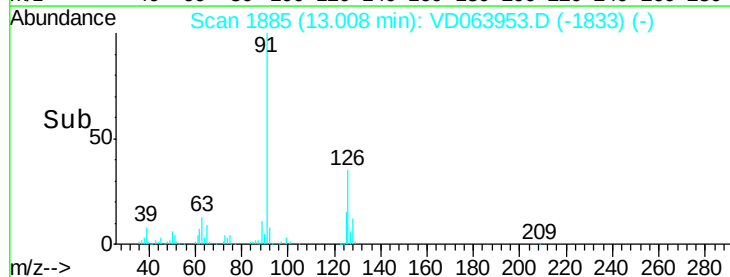
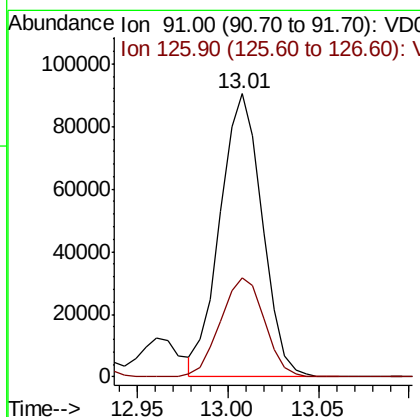
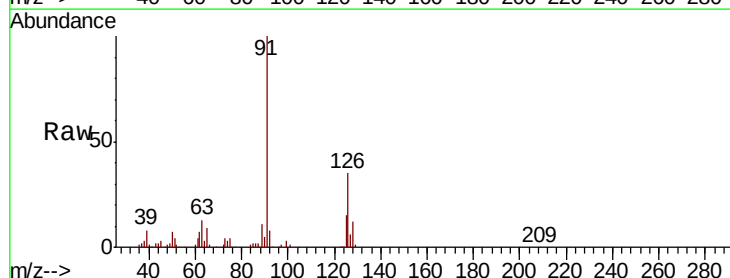
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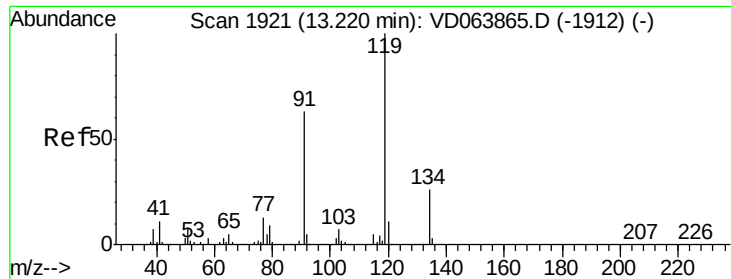
MMDadoda
10/16/2019 12:54:30 AM



#82
4-Chlorotoluene
Concen: 21.513 ug/l
RT: 13.01 min Scan# 1885
Delta R.T. 0.01 min
Lab File: VD063953.D
Acq: 14 Oct 2019 14:01

Tgt Ion	Ratio	Lower	Upper
91	100		
126	36.7	18.6	55.8





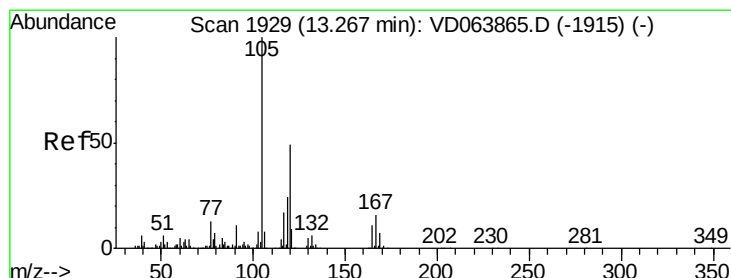
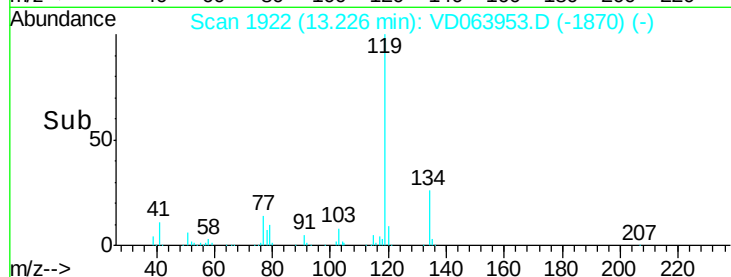
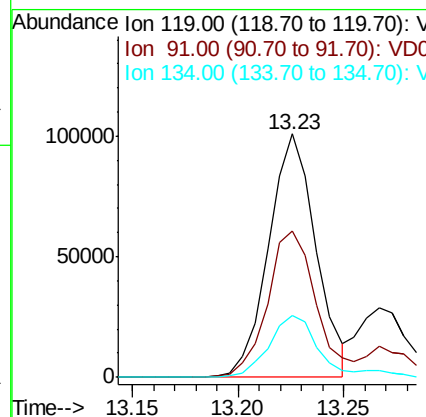
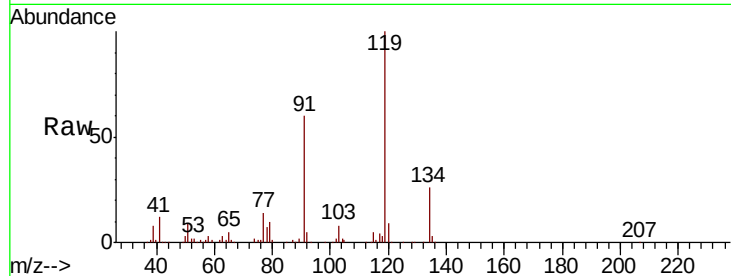
#83
 tert-Butylbenzene
 Concen: 21.338 ug/l
 RT: 13.23 min Scan# 1922
 Delta R.T. 0.01 min
 Lab File: VD063953.D
 Acq: 14 Oct 2019 14:01

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1014SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	156981		
91	62.1		30.0	90.0
134	27.7		13.0	38.9

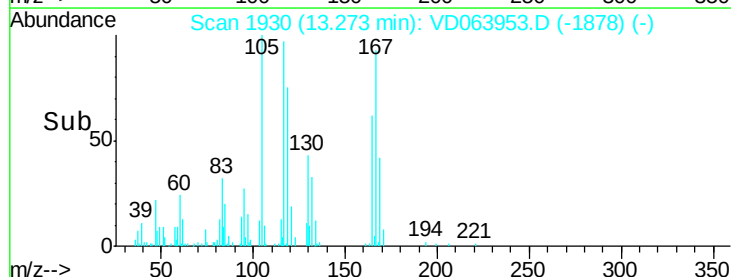
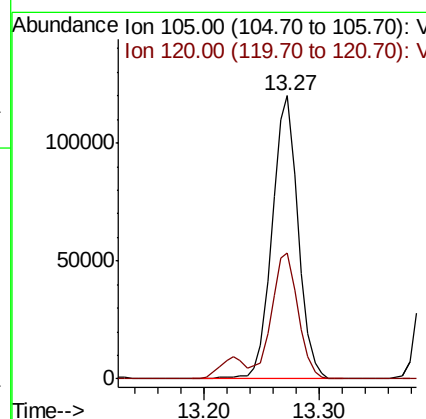
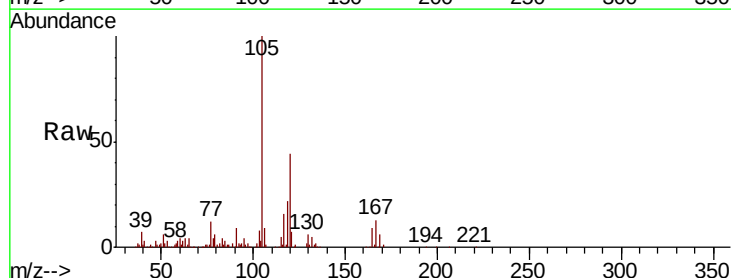
Manual Integrations
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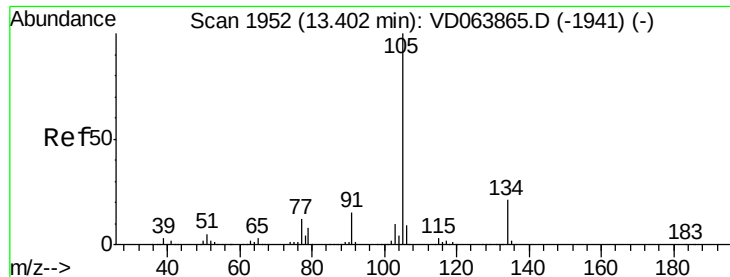
MMDadoda
 10/16/2019 12:54:30 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 22.057 ug/l
 RT: 13.27 min Scan# 1930
 Delta R.T. 0.01 min
 Lab File: VD063953.D
 Acq: 14 Oct 2019 14:01

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	187971		
120	45.5		23.8	71.5





#85

sec-Butylbenzene

Concen: 22.284 ug/l

RT: 13.40 min Scan# 1952

Delta R.T. -0.00 min

Lab File: VD063953.D

Acq: 14 Oct 2019 14:01

Instrument :

MSVOA_D

ClientSampleId :

VD1014SBS01

Tot Ion:105 Resp: 221397

Ion Ratio Lower Upper

105 100

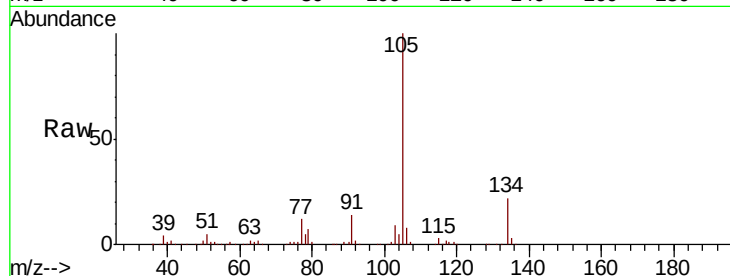
134 22.0 10.6 31.8

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.40

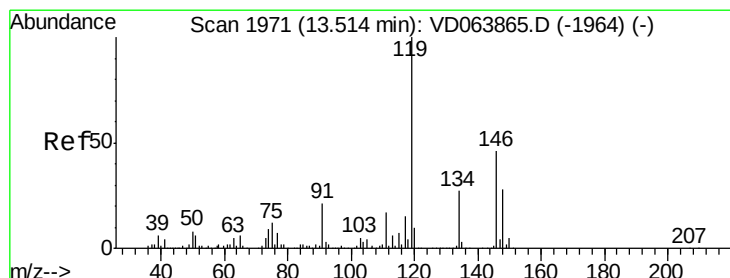
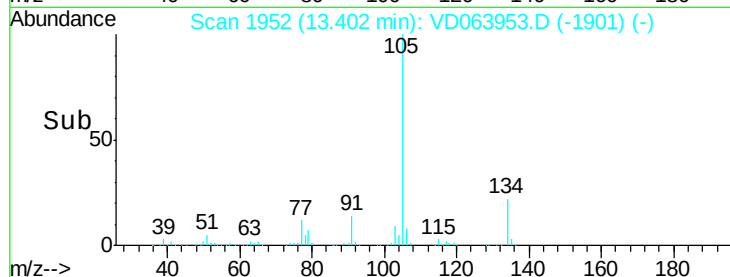
150000

100000

50000

0

Time-->



#86

p-Isopropyltoluene

Concen: 22.206 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.01 min

Lab File: VD063953.D

Acq: 14 Oct 2019 14:01

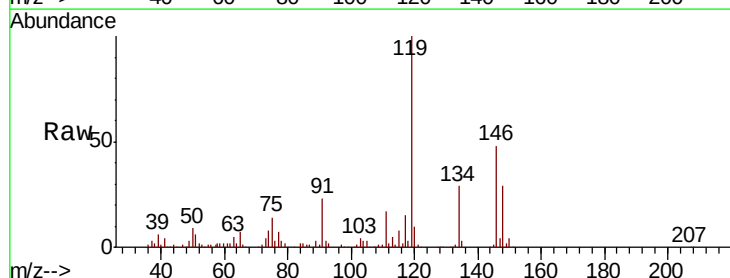
Tgt Ion:119 Resp: 208766

Ion Ratio Lower Upper

119 100

134 27.7 13.9 41.6

91 22.2 11.2 33.5



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.52

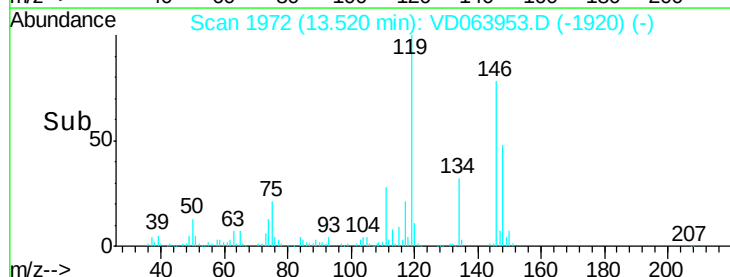
150000

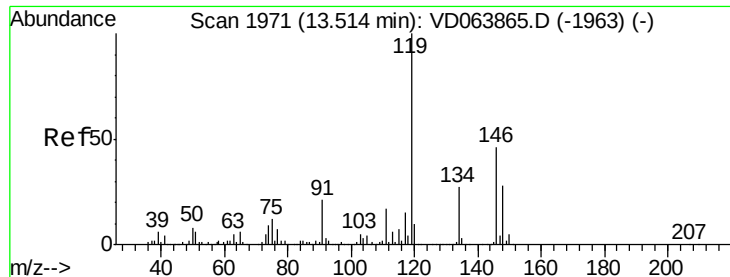
100000

50000

0

Time-->





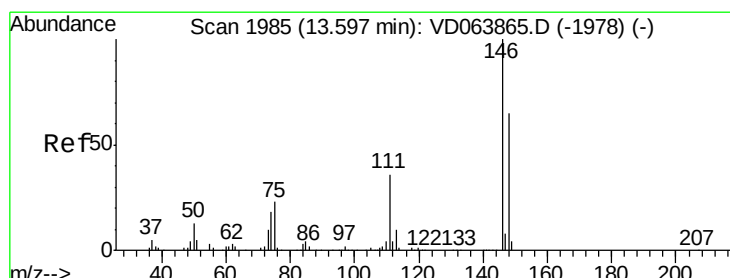
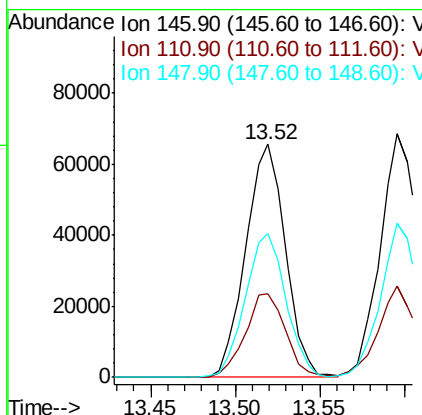
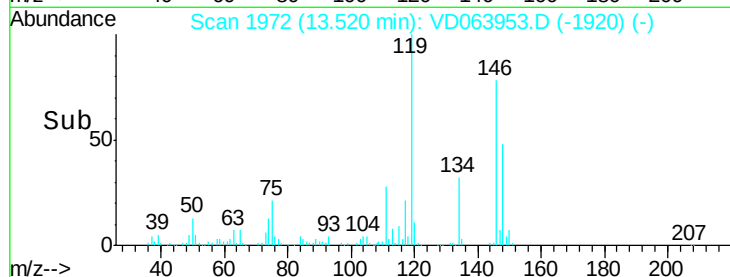
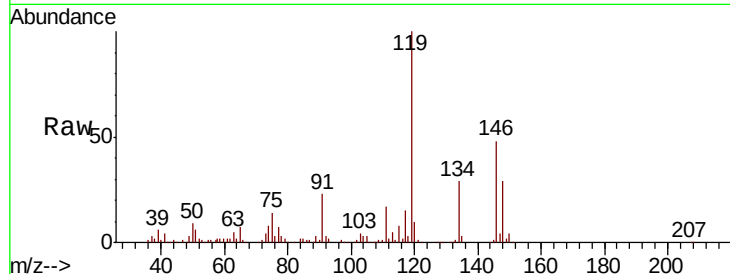
#87
 1,3-Dichlorobenzene
 Concen: 22.024 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.01 min
 Lab File: VD063953.D
 Acq: 14 Oct 2019 14:01

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1014SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.3	18.3	54.9
148	62.8	31.8	95.4

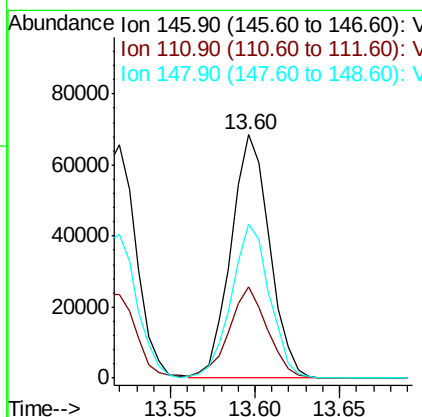
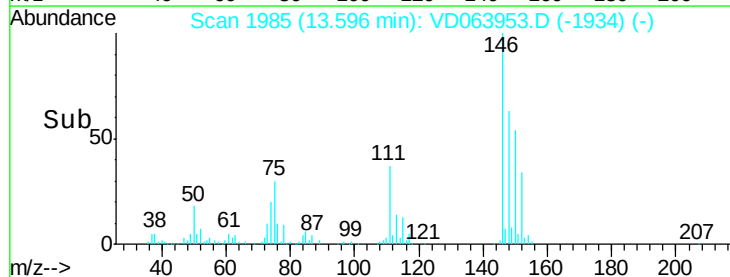
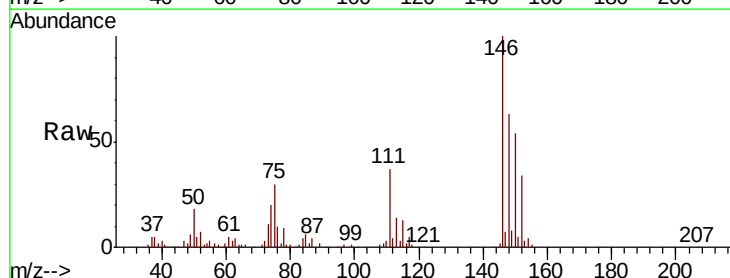
Manual Integrations
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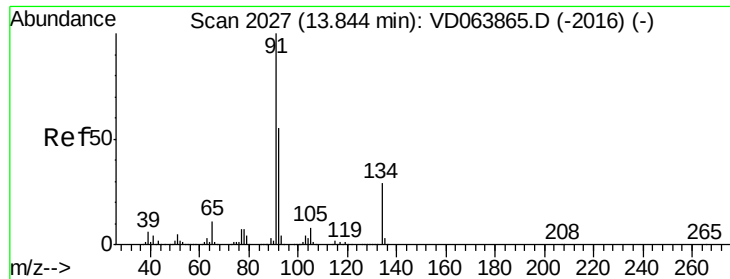
MMDadoda
 10/16/2019 12:54:30 AM



#88
 1,4-Dichlorobenzene
 Concen: 22.659 ug/l
 RT: 13.60 min Scan# 1985
 Delta R.T. -0.00 min
 Lab File: VD063953.D
 Acq: 14 Oct 2019 14:01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.6	18.6	56.0
148	62.8	32.6	98.0





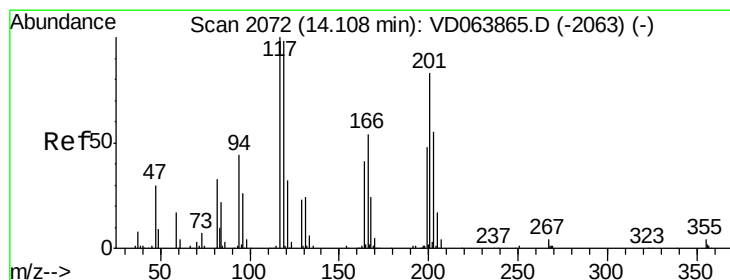
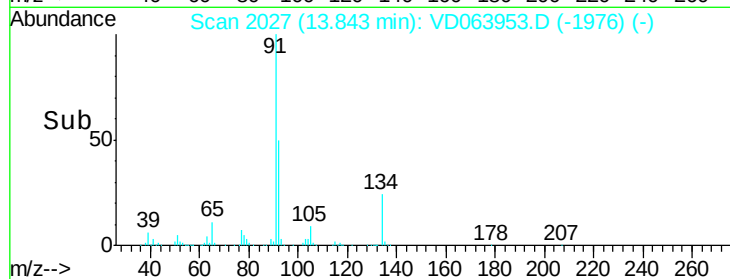
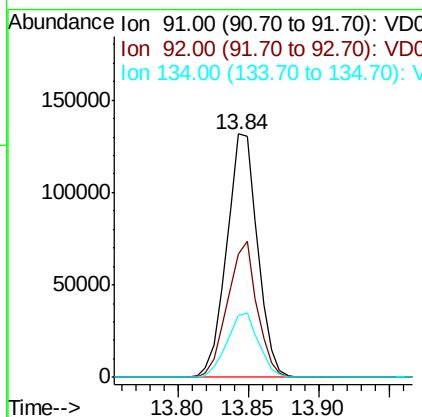
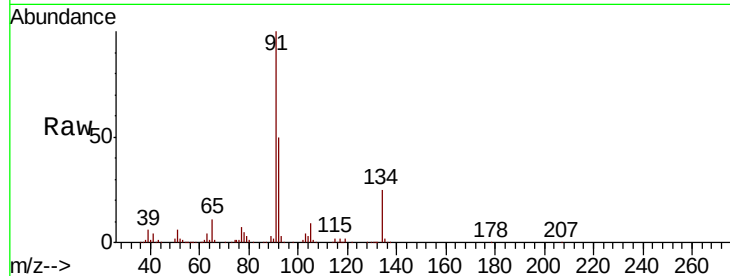
#89
n-Butylbenzene
Concen: 22.862 ug/l
RT: 13.84 min Scan# 2027
Delta R.T. -0.00 min
Lab File: VD063953.D
Acq: 14 Oct 2019 14:01

Instrument :
MSVOA_D
ClientSampleId :
VD1014SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.5	26.8	80.3
134	27.3	14.4	43.0

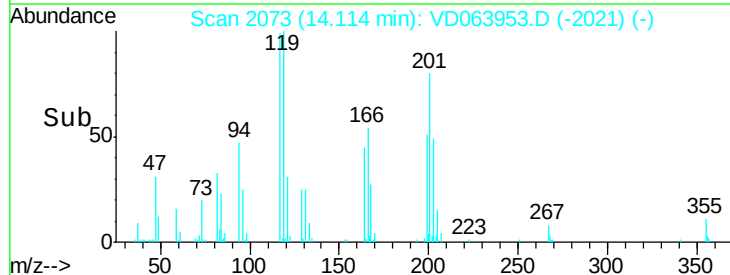
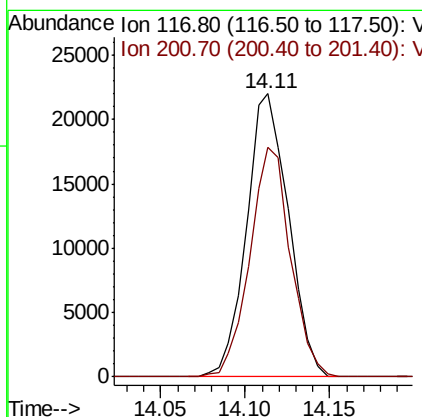
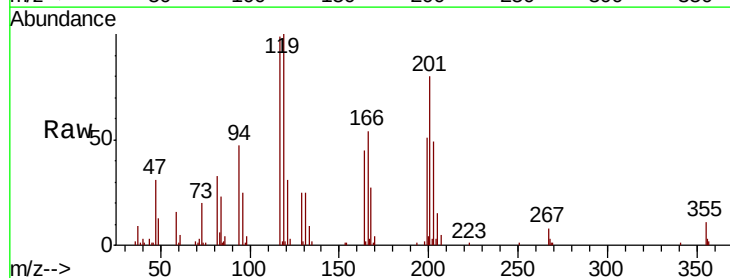
Manual Integrations
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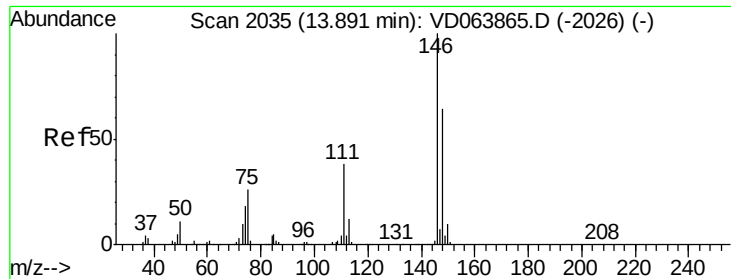
MMDadoda
10/16/2019 12:54:30 AM



#90
Hexachloroethane
Concen: 22.491 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. 0.01 min
Lab File: VD063953.D
Acq: 14 Oct 2019 14:01

Tgt Ion	Ratio	Lower	Upper
117	100		
201	78.7	40.6	121.7





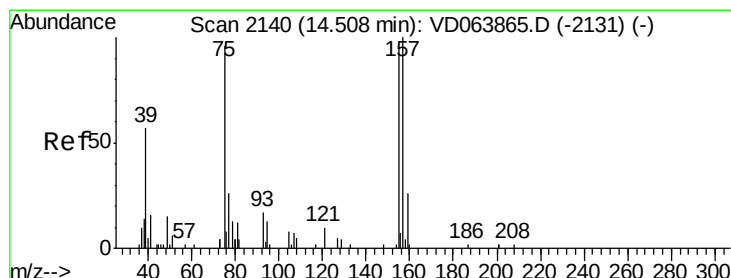
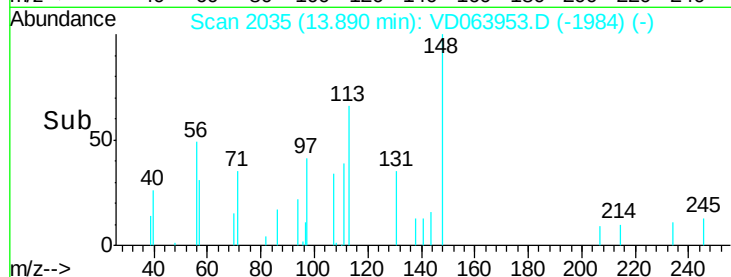
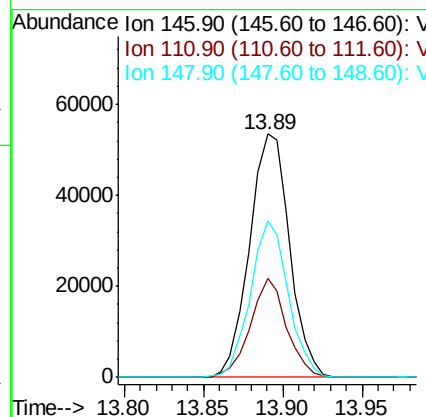
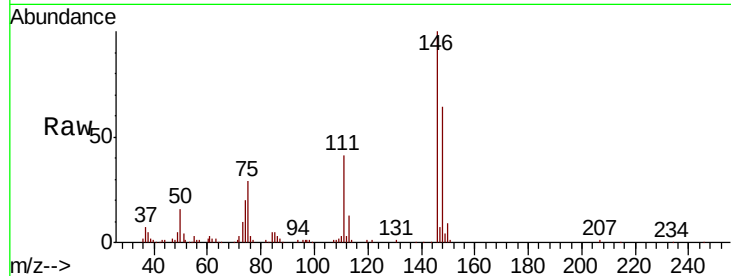
#91
 1,2-Dichlorobenzene
 Concen: 22.389 ug/l
 RT: 13.89 min Scan# 2035
 Delta R.T. -0.00 min
 Lab File: VD063953.D
 Acq: 14 Oct 2019 14:01

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1014SBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.9	18.6	55.6
148	60.6	31.6	95.0

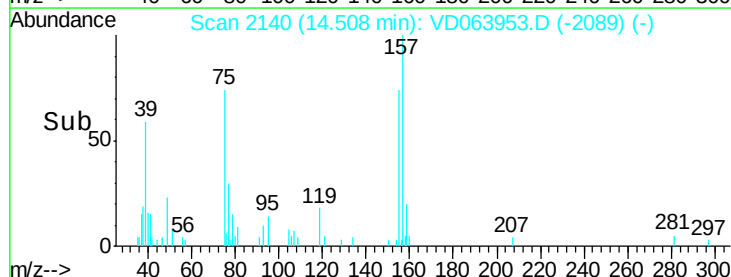
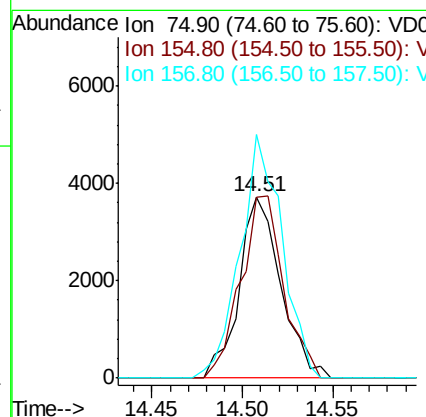
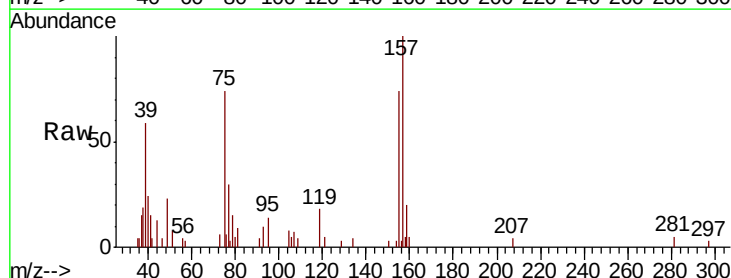
Manual Integrations
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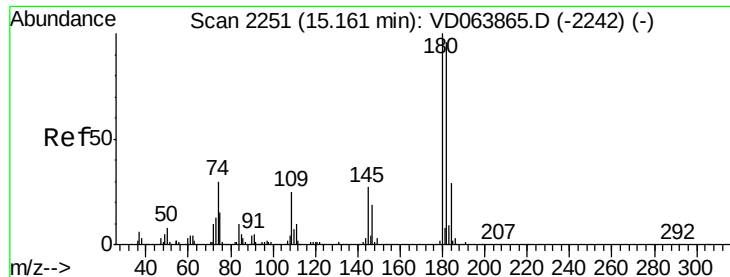
MMDadoda
 10/16/2019 12:54:30 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.782 ug/l
 RT: 14.51 min Scan# 2140
 Delta R.T. -0.00 min
 Lab File: VD063953.D
 Acq: 14 Oct 2019 14:01

Tgt Ion	Ratio	Lower	Upper
75	100		
155	103.3	43.9	131.6
157	134.4	56.0	167.9





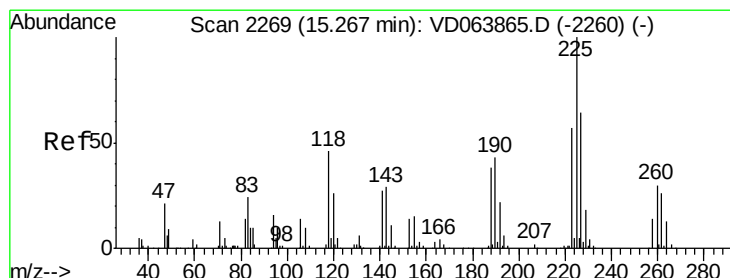
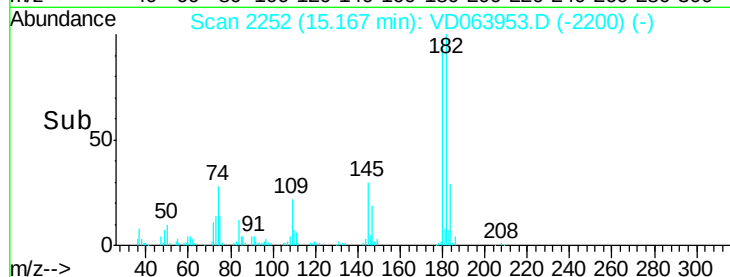
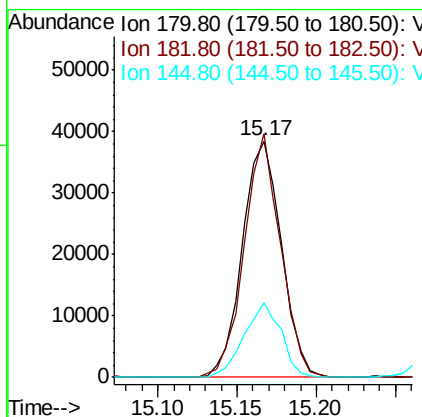
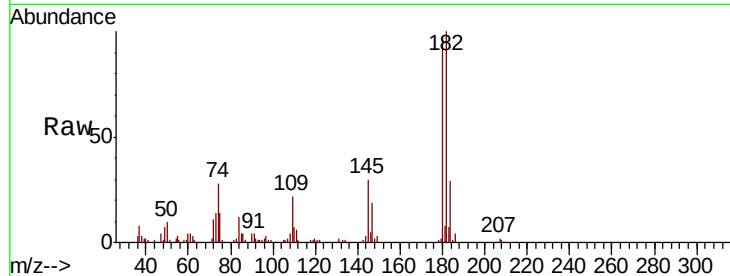
#93
 1,2,4-Trichlorobenzene
 Concen: 20.320 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. 0.01 min
 Lab File: VD063953.D
 Acq: 14 Oct 2019 14:01

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1014SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	65905		
182	95.7	47.4	142.3	
145	29.7	13.9	41.7	

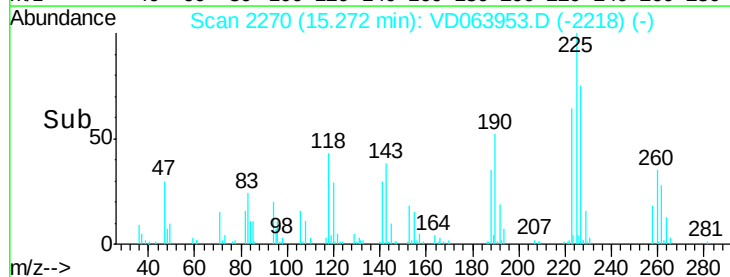
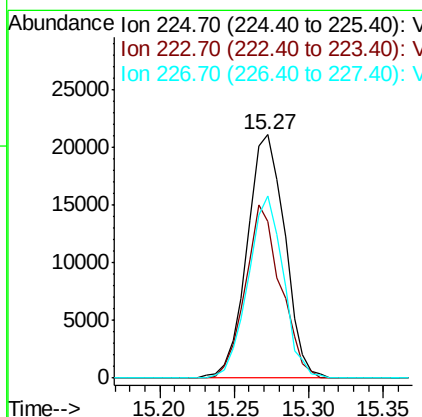
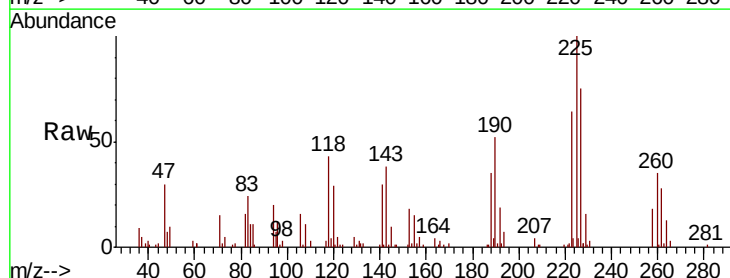
Manual Integrations
 APPROVED

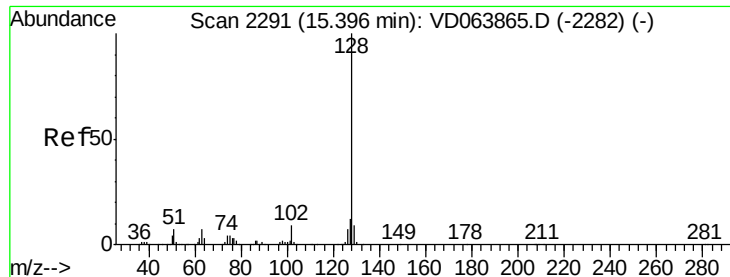
MMDadoda
 10/16/2019 12:54:30 AM



#94
 Hexachlorobutadiene
 Concen: 20.605 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. 0.01 min
 Lab File: VD063953.D
 Acq: 14 Oct 2019 14:01

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	36880		
223	66.9	29.5	88.6	
227	69.7	30.8	92.4	





#95

Naphthalene

Concen: 22.010 ug/l

RT: 15.40 min Scan# 2292

Delta R.T. 0.01 min

Lab File: VD063953.D

Acq: 14 Oct 2019 14:01

Instrument :

MSVOA_D

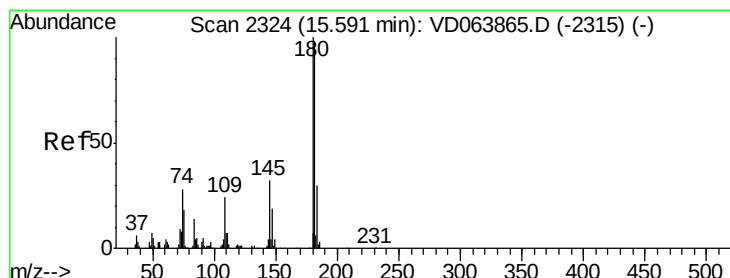
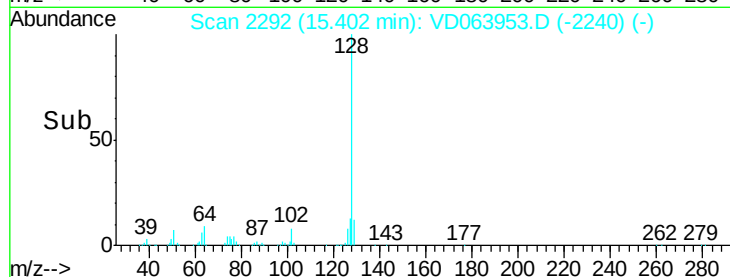
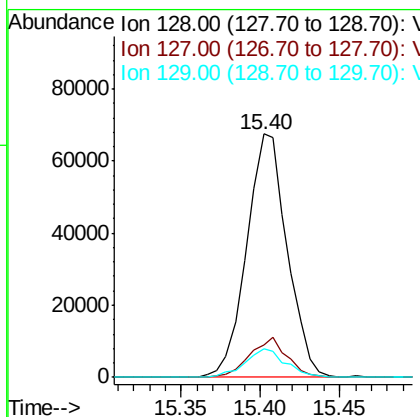
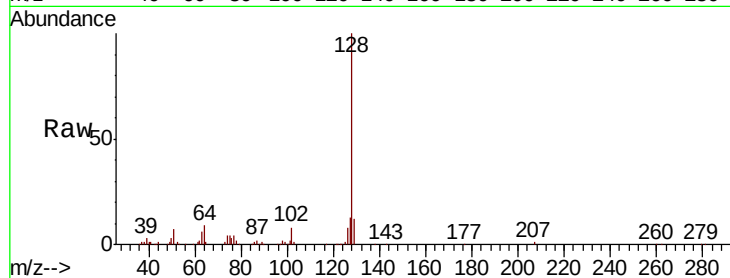
ClientSampleId :

VD1014SBSD01

Tot Ion:	128	Resp:	119986
Ion Ratio	Lower	Upper	
128	100		
127	14.9	10.6	16.0
129	11.7	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
10/16/2019 12:54:30 AM



#96

1,2,3-Trichlorobenzene

Concen: 21.563 ug/l

RT: 15.60 min Scan# 2325

Delta R.T. 0.01 min

Lab File: VD063953.D

Acq: 14 Oct 2019 14:01

Tgt Ion:	180	Resp:	60343
Ion Ratio	Lower	Upper	
180	100		
182	91.7	47.0	141.0
145	27.5	15.3	45.9

