

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100419\
 Data File : VD063891.D
 Acq On : 04 Oct 2019 18:06
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00g/5.00mL/MSVOA D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 10/8/2019 3:11:47 PM

Quant Time: Oct 05 04:06:34 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	199627	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	311390	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	317314	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	173256	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	93686	48.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.40%	
35) Dibromofluoromethane	7.92	113	95144	50.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.00%	
50) Toluene-d8	10.34	98	385951	49.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.94%	
62) 4-Bromofluorobenzene	12.63	95	133041	49.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.14%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	61159	43.200	ug/l	92
3) Chloromethane	2.21	50	202094	53.121	ug/l	94
4) Vinyl Chloride	2.35	62	220434	48.176	ug/l	95
5) Bromomethane	2.77	94	137639	46.790	ug/l	96
6) Chloroethane	2.93	64	143786	47.517	ug/l	96
7) Trichlorofluoromethane	3.27	101	289111	47.790	ug/l	99
8) Diethyl Ether	3.71	74	48503	49.951	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.09	101	81076	48.416	ug/l	96
10) Methyl Iodide	4.30	142	117116	50.755	ug/l	99
11) Tert butyl alcohol	5.24	59	33810	250.420	ug/l #	94
12) 1,1-Dichloroethene	4.06	96	79590	47.572	ug/l	96
13) Acrolein	3.92	56	38977	224.543	ug/l	99
14) Allyl chloride	4.71	41	132835	47.756	ug/l	100
15) Acrylonitrile	5.43	53	108655	253.807	ug/l	97
16) Acetone	4.17	43	111347	220.052	ug/l	98
17) Carbon Disulfide	4.40	76	286378	47.089	ug/l #	94
18) Methyl Acetate	4.72	43	47465	47.960	ug/l	99
19) Methyl tert-butyl Ether	5.48	73	215199	49.673	ug/l	100
20) Methylene Chloride	4.97	84	113039	50.369	ug/l	93
21) trans-1,2-Dichloroethene	5.46	96	100856	48.425	ug/l	95
22) Diisopropyl ether	6.37	45	285094	50.186	ug/l	96
23) Vinyl Acetate	6.31	43	856704	253.506	ug/l	98
24) 1,1-Dichloroethane	6.27	63	174430	49.850	ug/l	96
25) 2-Butanone	7.22	43	143066	238.575	ug/l	98
26) 2,2-Dichloropropane	7.21	77	157936	49.896	ug/l	99
27) cis-1,2-Dichloroethene	7.22	96	116887	49.583	ug/l	97
28) Bromochloromethane	7.55	49	71051	53.282	ug/l	97
29) Tetrahydrofuran	7.57	42	83724	239.201	ug/l	97
30) Chloroform	7.71	83	185807	48.890	ug/l	97
31) Cyclohexane	7.98	56	149483	51.815	ug/l	97
32) 1,1,1-Trichloroethane	7.91	97	164381	50.422	ug/l	97
36) 1,1-Dichloropropene	8.11	75	142123	49.918	ug/l	97
37) Ethyl Acetate	7.30	43	61670	54.367	ug/l	98
38) Carbon Tetrachloride	8.09	117	145784	50.670	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	173747	49.632	ug/l	94
40) Benzene	8.36	78	417755	51.202	ug/l	99
41) Methacrylonitrile	7.53	41	27448	41.582	ug/l	91
42) 1,2-Dichloroethane	8.43	62	119282	50.541	ug/l	98
43) Isopropyl Acetate	8.46	43	118615	49.678	ug/l	98
44) Trichloroethene	9.11	130	118275	50.271	ug/l	97
45) 1,2-Dichloropropane	9.39	63	100740	50.445	ug/l	99
46) Dibromomethane	9.48	93	59675	52.469	ug/l	98
47) Bromodichloromethane	9.67	83	148060	50.563	ug/l	96
48) Methyl methacrylate	9.46	41	54573	47.703	ug/l	97
49) 1,4-Dioxane	9.47	88	14280	919.832	ug/l	92
51) 4-Methyl-2-Pentanone	10.23	43	303796	245.331	ug/l	99
52) Toluene	10.40	92	284952	50.875	ug/l	100
53) t-1,3-Dichloropropene	10.62	75	151068	52.869	ug/l	96
54) cis-1,3-Dichloropropene	10.09	75	171927	52.271	ug/l	91
55) 1,1,2-Trichloroethane	10.80	97	83933	52.267	ug/l	97
56) Ethyl methacrylate	10.66	69	104220	51.249	ug/l	97
57) 1,3-Dichloropropane	10.95	76	143664	52.288	ug/l	95
58) 2-Chloroethyl Vinyl ether	9.94	63	201482	230.497	ug/l	98
59) 2-Hexanone	10.98	43	224771	250.928	ug/l	100
60) Dibromochloromethane	11.14	129	107858	51.590	ug/l	96
61) 1,2-Dibromoethane	11.25	107	81521	52.363	ug/l	99
64) Tetrachloroethene	10.87	164	106169	49.011	ug/l	97
65) Chlorobenzene	11.67	112	326774	51.278	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.74	131	119285	50.800	ug/l	96
67) Ethyl Benzene	11.74	91	578483	50.343	ug/l	100
68) m/p-Xylenes	11.85	106	446139	100.590	ug/l	100
69) o-Xylene	12.18	106	213412	50.251	ug/l	96
70) Styrene	12.19	104	370312	51.508	ug/l	100
71) Bromoform	12.36	173	67873	53.860	ug/l #	97
73) Isopropylbenzene	12.48	105	557519	47.867	ug/l	98
74) N-amyl acetate	12.29	43	117211	46.741	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.73	83	97213	47.965	ug/l	97
76) 1,2,3-Trichloropropane	12.78	75	54393m	46.874	ug/l	
77) Bromobenzene	12.76	156	139969	48.235	ug/l	98
78) n-propylbenzene	12.82	91	671577	49.123	ug/l	100
79) 2-Chlorotoluene	12.91	91	360118	47.772	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	476162	49.003	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	32738	49.924	ug/l	95
82) 4-Chlorotoluene	13.01	91	386097	48.282	ug/l	98
83) tert-Butylbenzene	13.23	119	419002	48.452	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	493278	49.242	ug/l	100
85) sec-Butylbenzene	13.40	105	569109	48.731	ug/l	100
86) p-Isopropyltoluene	13.51	119	551206	49.878	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	279364	48.724	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	278313	49.203	ug/l	98
89) n-Butylbenzene	13.84	91	508698	49.452	ug/l	98
90) Hexachloroethane	14.11	117	96067	48.333	ug/l	94
91) 1,2-Dichlorobenzene	13.89	146	243542	49.289	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	15894	50.498	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.16	180	189721	49.761	ug/l	99
94) Hexachlorobutadiene	15.27	225	102046	48.502	ug/l	95
95) Naphthalene	15.40	128	327810	51.155	ug/l	100
96) 1,2,3-Trichlorobenzene	15.59	180	166170	50.515	ug/l	99

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

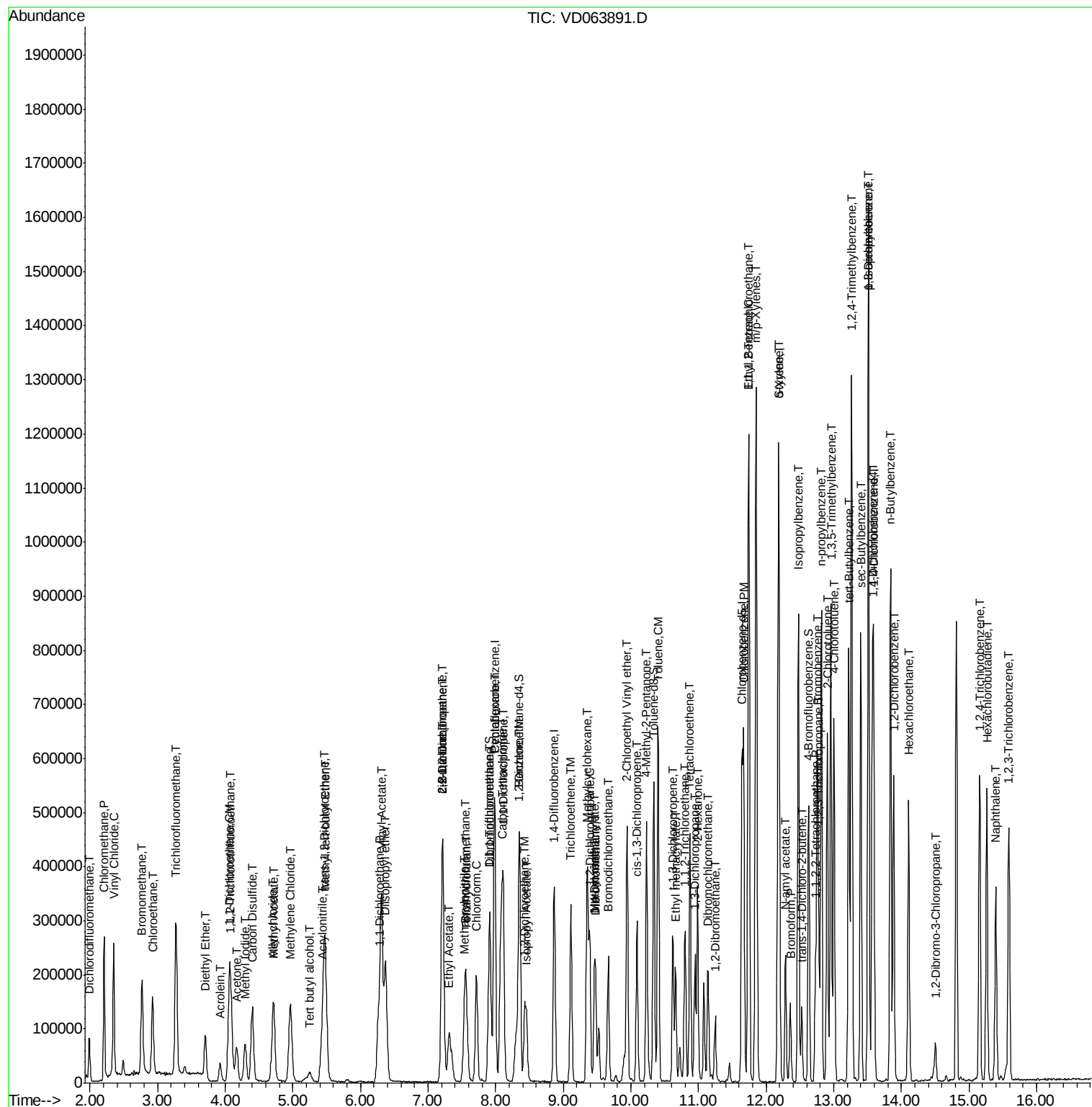
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Operator : VA/SY
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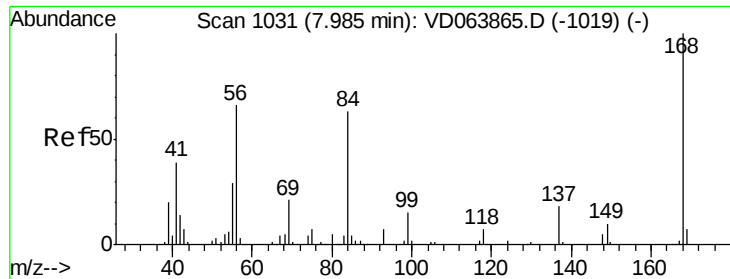
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD063891.D

Acq: 04 Oct 2019 18:06

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 199627

Ion Ratio Lower Upper

168 100

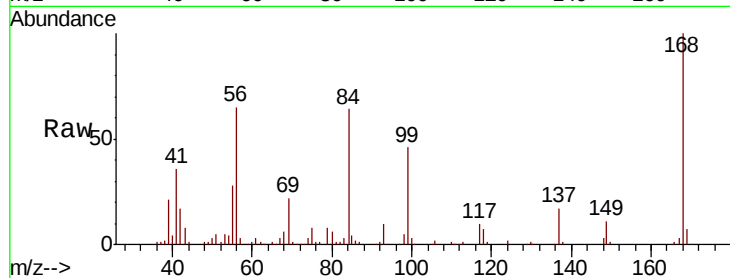
99 45.8 43.0 64.4

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

7.98

100000

80000

60000

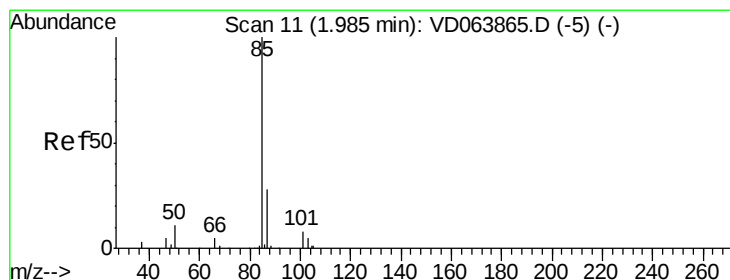
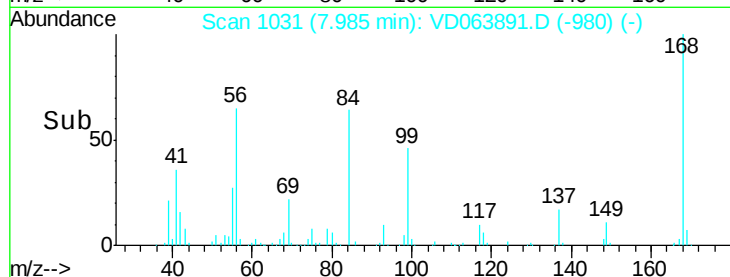
40000

20000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 43.200 ug/l

RT: 1.99 min Scan# 11

Delta R.T. -0.00 min

Lab File: VD063891.D

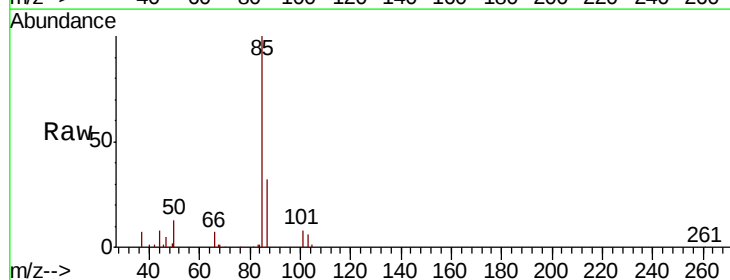
Acq: 04 Oct 2019 18:06

Tgt Ion: 85 Resp: 61159

Ion Ratio Lower Upper

85 100

87 32.1 14.0 42.0



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

50000

40000

30000

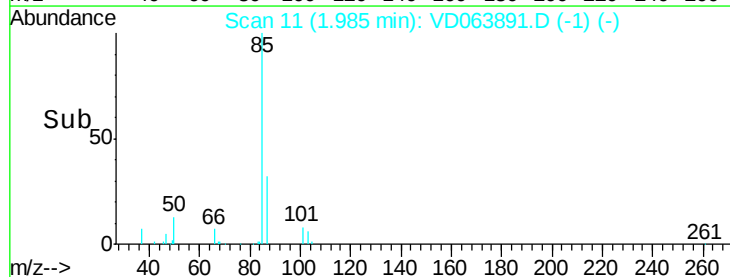
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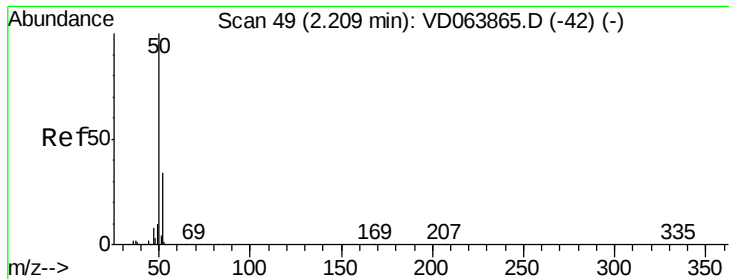
10000

0

1.90 1.95 2.00 2.05

Time-->





#3

Chloromethane

Concen: 53.121 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD063891.D

Acq: 04 Oct 2019 18:06

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 202094

Ion Ratio Lower Upper

50 100

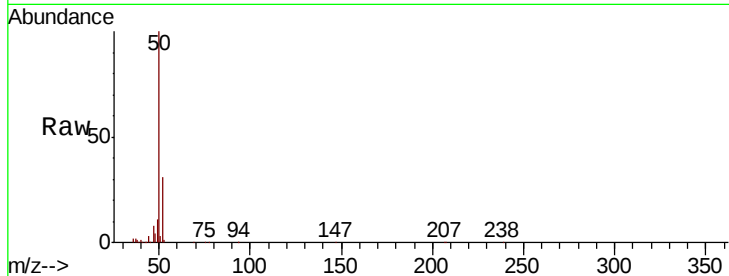
52 31.0 27.5 41.3

Manual Integrations

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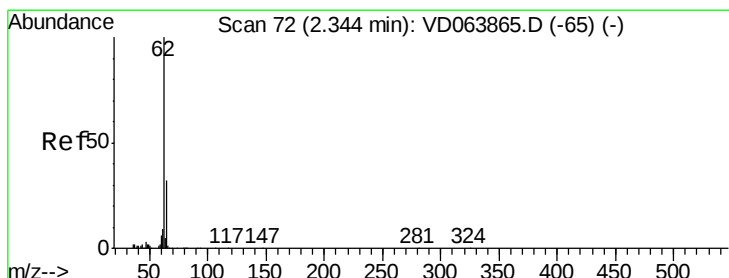
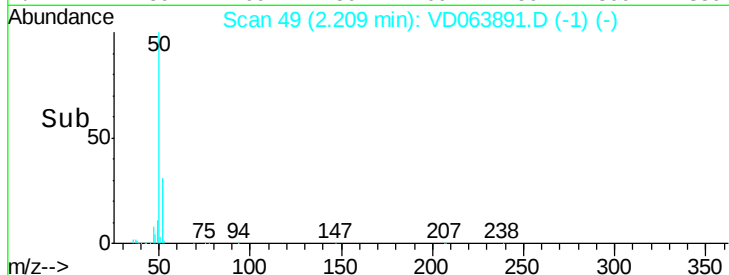
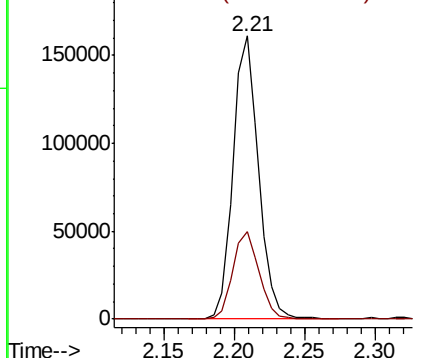
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 48.176 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.01 min

Lab File: VD063891.D

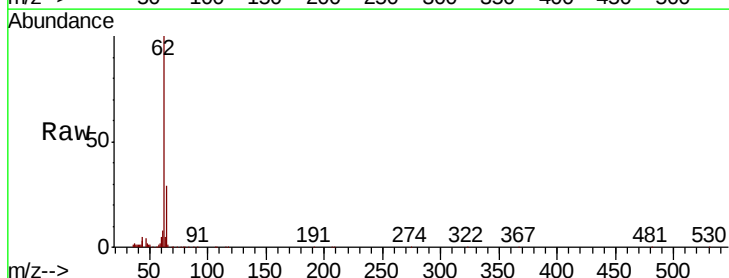
Acq: 04 Oct 2019 18:06

Tgt Ion: 62 Resp: 220434

Ion Ratio Lower Upper

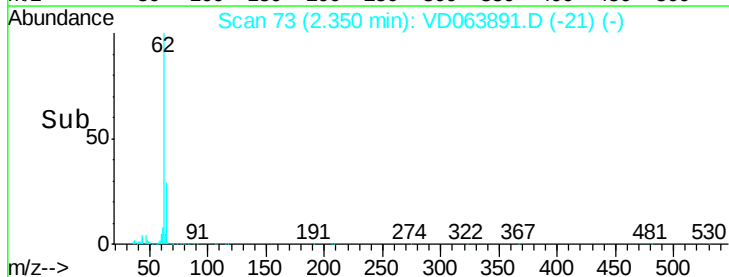
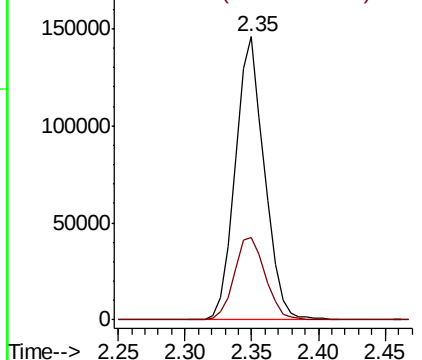
62 100

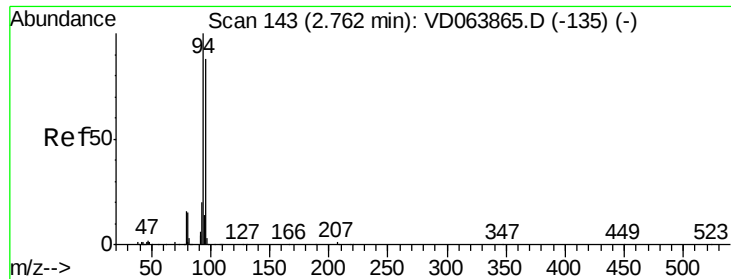
64 29.0 25.4 38.0



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 46.790 ug/l

RT: 2.77 min Scan# 144

Delta R.T. 0.01 min

Lab File: VD063891.D

Acq: 04 Oct 2019 18:06

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 137639

Ion Ratio Lower Upper

94 100

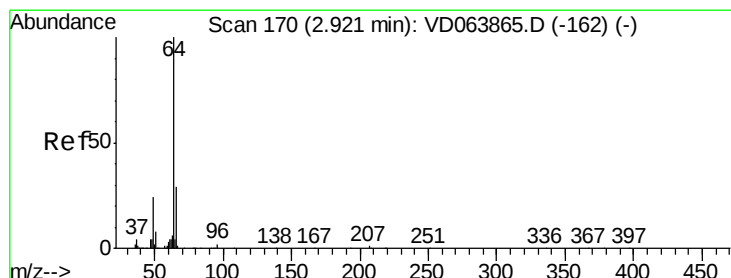
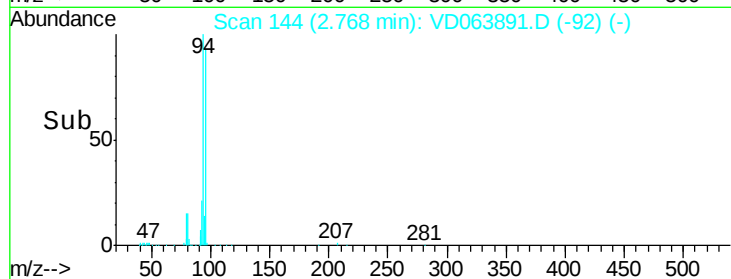
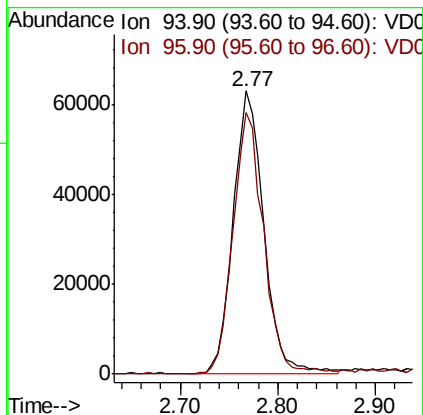
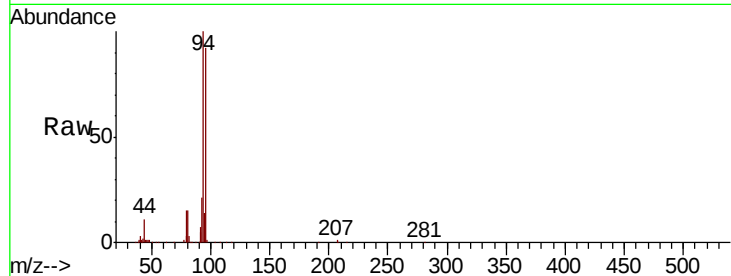
96 92.3 70.8 106.2

Manual Integrations

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#6

Chloroethane

Concen: 47.517 ug/l

RT: 2.93 min Scan# 171

Delta R.T. 0.01 min

Lab File: VD063891.D

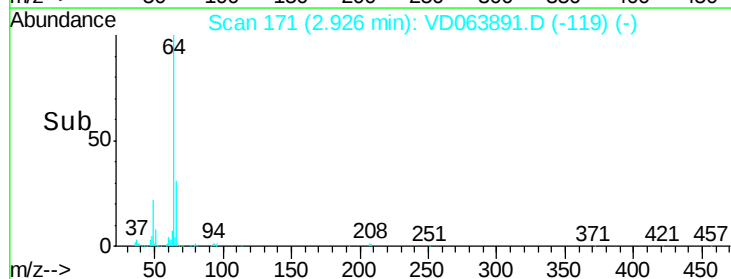
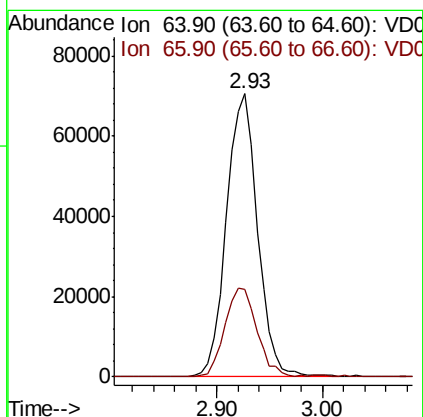
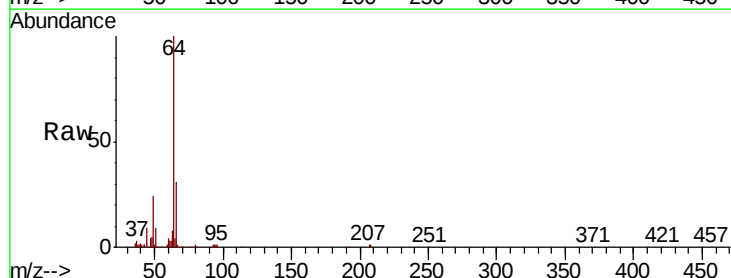
Acq: 04 Oct 2019 18:06

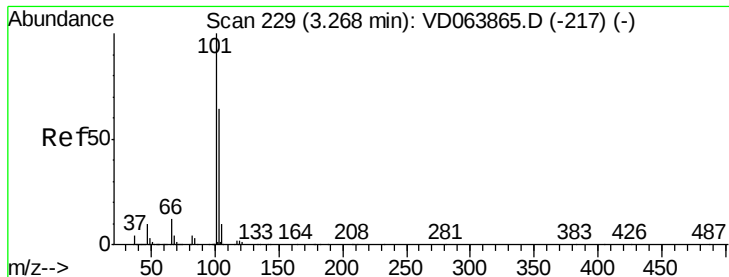
Tgt Ion: 64 Resp: 143786

Ion Ratio Lower Upper

64 100

66 30.9 23.0 34.4





#7

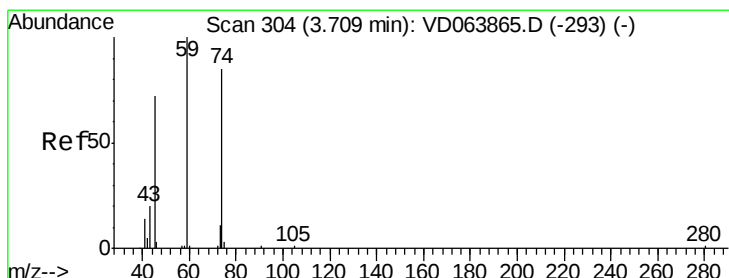
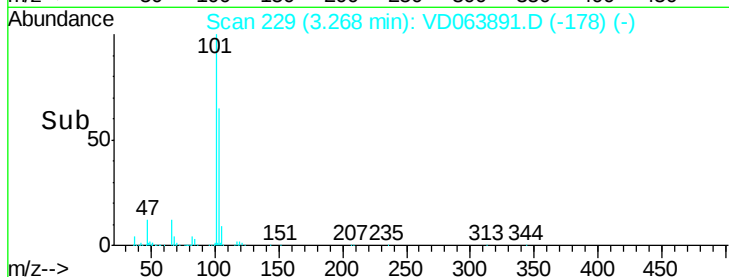
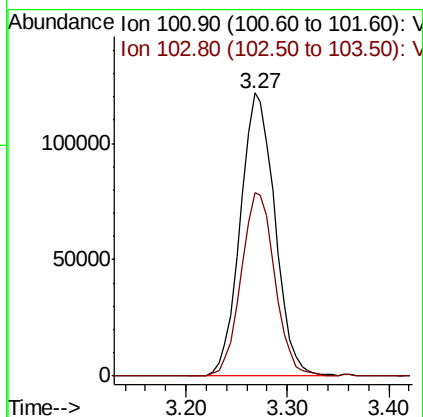
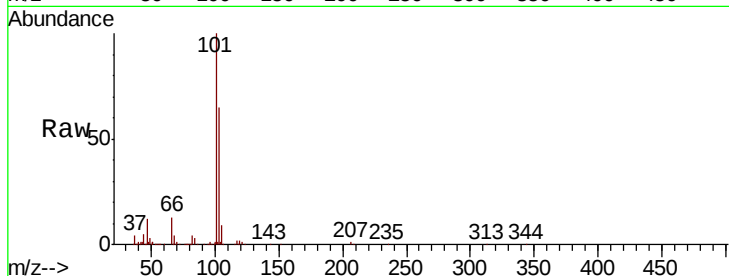
Trichlorofluoromethane
Concen: 47.790 ug/l
RT: 3.27 min Scan# 229
Delta R.T. -0.00 min
Lab File: VD063891.D
Acq: 04 Oct 2019 18:06

Instrument :
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ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.8	51.1	76.7

Manual Integrations
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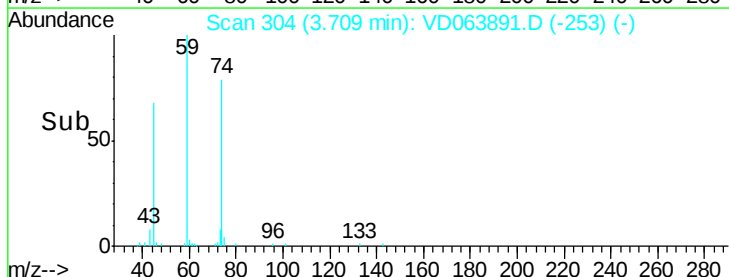
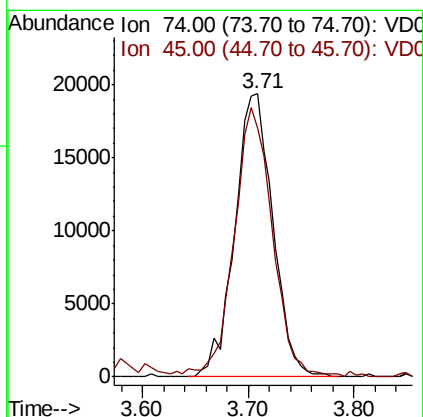
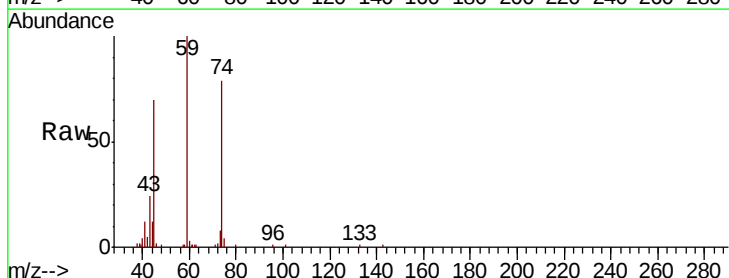
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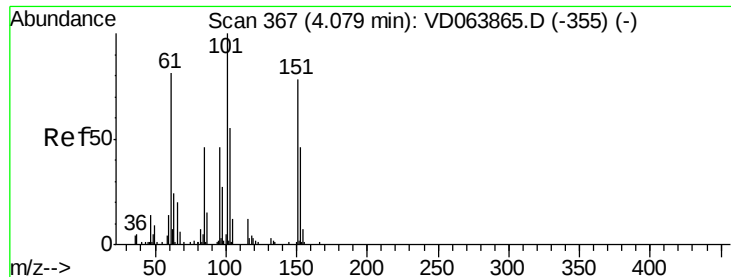


#8

Diethyl Ether
Concen: 49.951 ug/l
RT: 3.71 min Scan# 304
Delta R.T. -0.00 min
Lab File: VD063891.D
Acq: 04 Oct 2019 18:06

Tgt Ion	Ratio	Lower	Upper
74	100		
45	96.0	48.1	144.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.416 ug/l

RT: 4.09 min Scan# 368

Delta R.T. 0.01 min

Lab File: VD063891.D

Acq: 04 Oct 2019 18:06

Instrument :

MSVOA_D

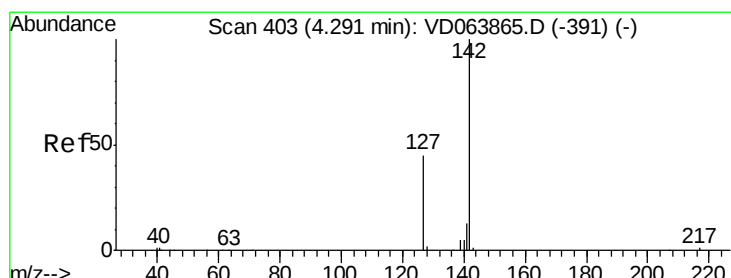
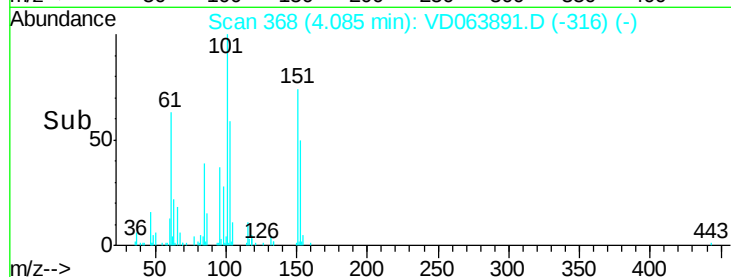
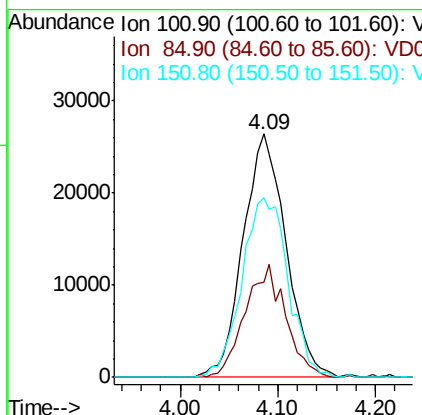
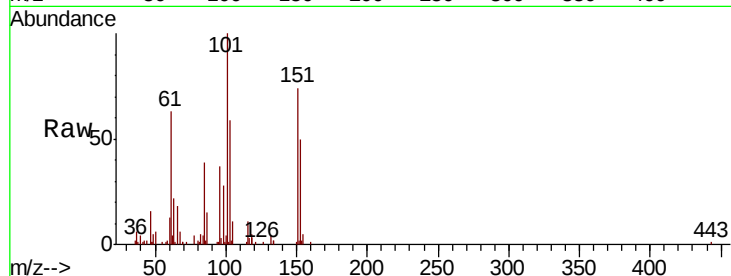
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	81076
Ion Ratio	Lower	Upper	
101	100		
85	43.9	37.5	56.3
151	79.2	65.5	98.3

Manual Integrations
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#10

Methyl Iodide

Concen: 50.755 ug/l

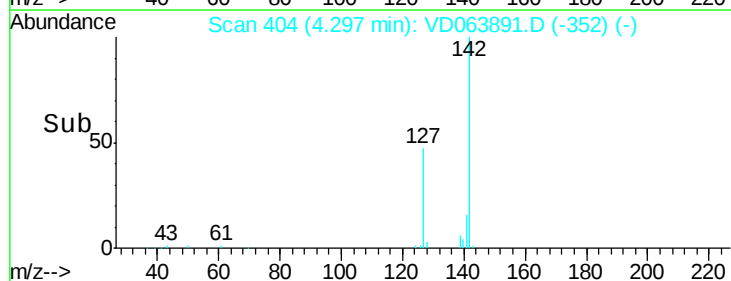
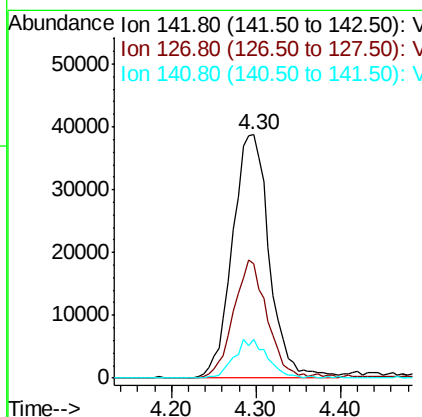
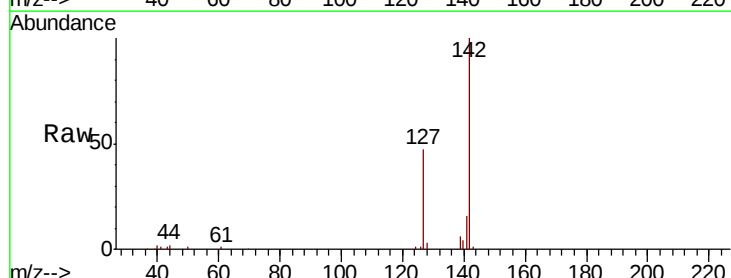
RT: 4.30 min Scan# 404

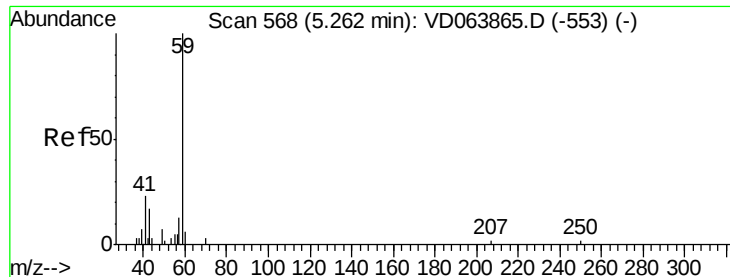
Delta R.T. 0.01 min

Lab File: VD063891.D

Acq: 04 Oct 2019 18:06

Tgt Ion:	142	Resp:	117116
Ion Ratio	Lower	Upper	
142	100		
127	44.2	35.3	52.9
141	14.3	12.2	18.2





#11

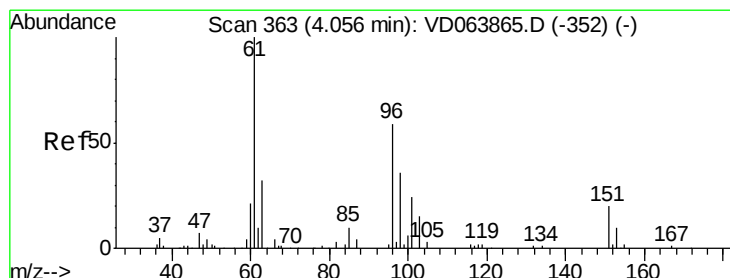
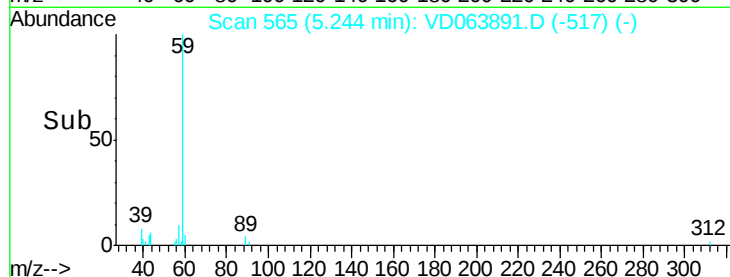
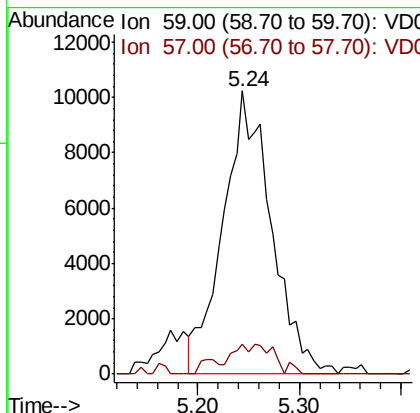
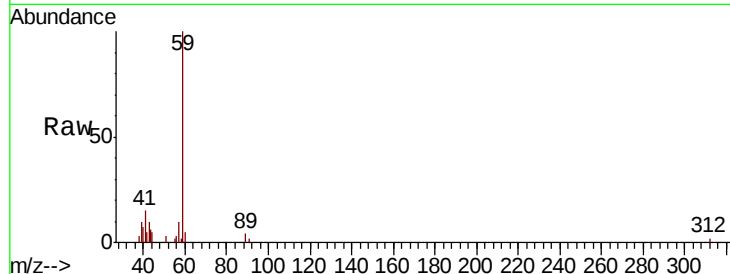
Tert butyl alcohol
 Concen: 250.420 ug/l
 RT: 5.24 min Scan# 565
 Delta R.T. -0.02 min
 Lab File: VD063891.D
 Acq: 04 Oct 2019 18:06

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

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

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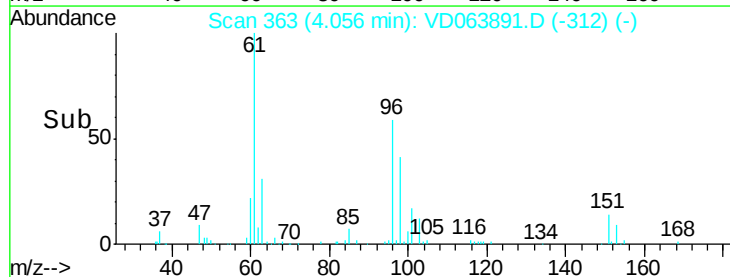
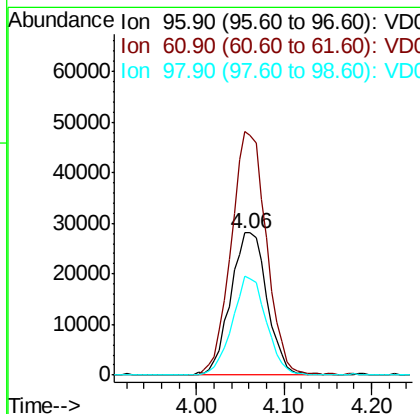
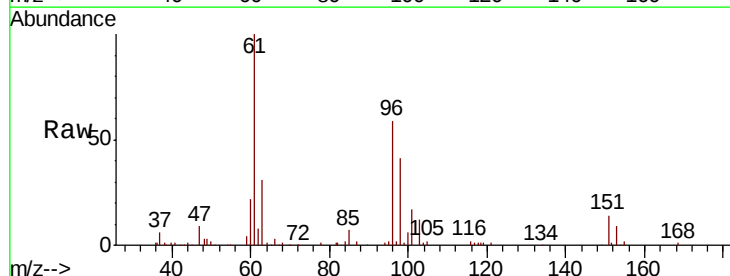
MMDadoda
 10/8/2019 3:11:47 PM

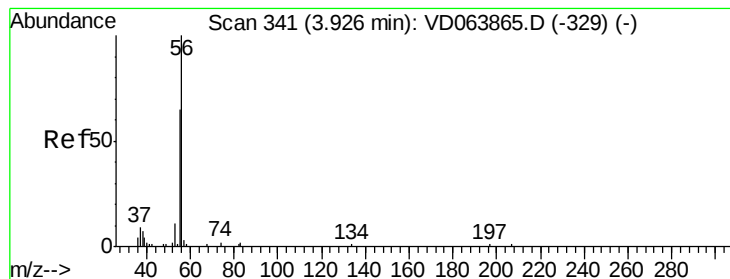


#12

1,1-Dichloroethene
 Concen: 47.572 ug/l
 RT: 4.06 min Scan# 363
 Delta R.T. -0.00 min
 Lab File: VD063891.D
 Acq: 04 Oct 2019 18:06

Tgt Ion	Ratio	Lower	Upper
96	100		
61	170.9	135.6	203.4
98	69.4	49.2	73.8





#13

Acrolein

Concen: 224.543 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD063891.D

Acq: 04 Oct 2019 18:06

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 38977

Ion Ratio Lower Upper

56 100

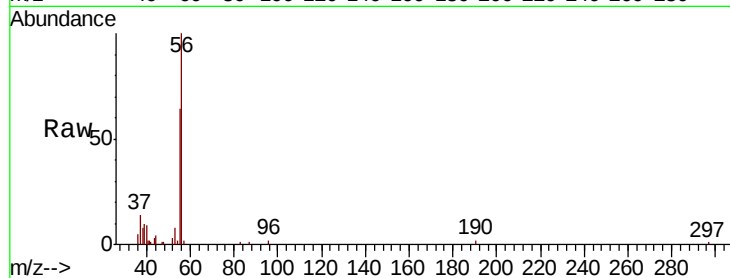
55 66.9 53.0 79.6

Manual Integrations

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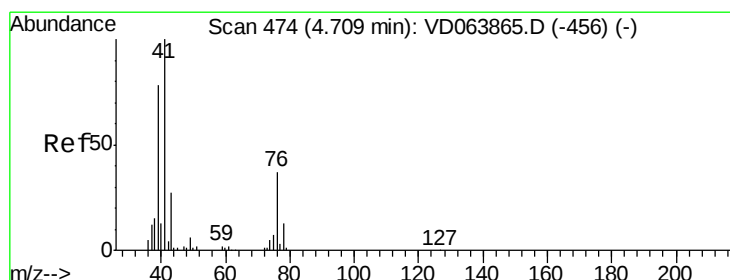
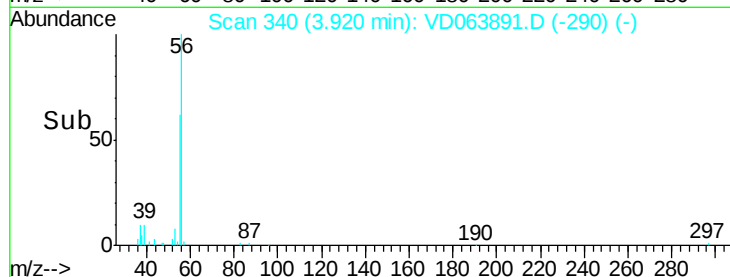
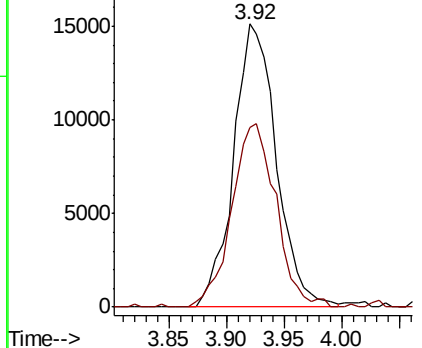
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 47.756 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.00 min

Lab File: VD063891.D

Acq: 04 Oct 2019 18:06

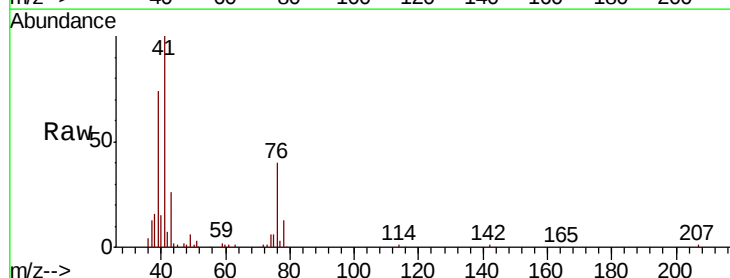
Tgt Ion: 41 Resp: 132835

Ion Ratio Lower Upper

41 100

39 77.6 61.8 92.6

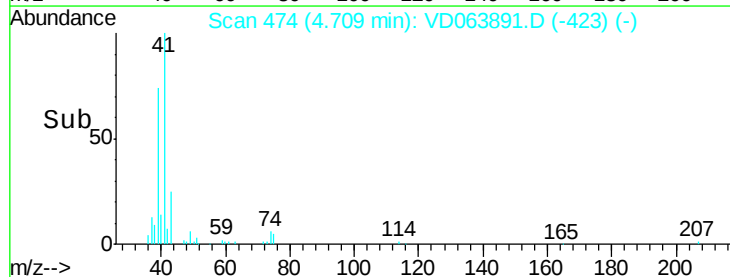
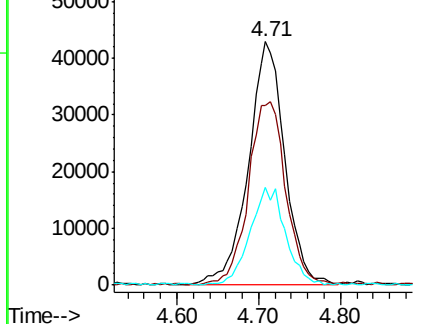
76 39.2 31.3 46.9

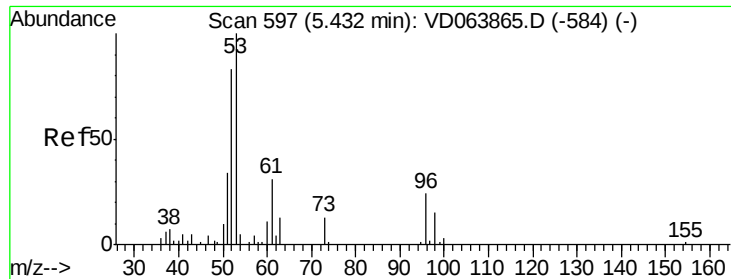


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC





#15

Acrylonitrile

Concen: 253.807 ug/l

RT: 5.43 min Scan# 597

Delta R.T. -0.00 min

Lab File: VD063891.D

Acq: 04 Oct 2019 18:06

Instrument :

MSVOA_D

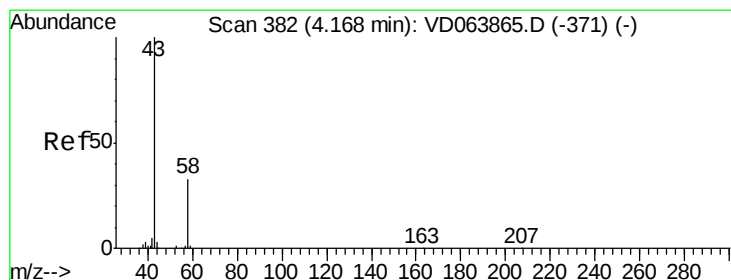
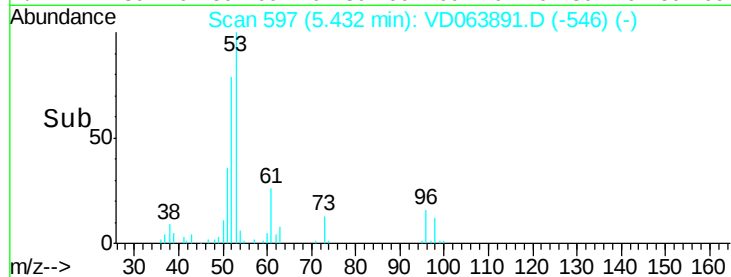
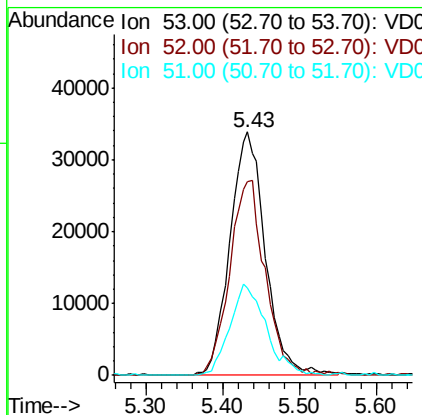
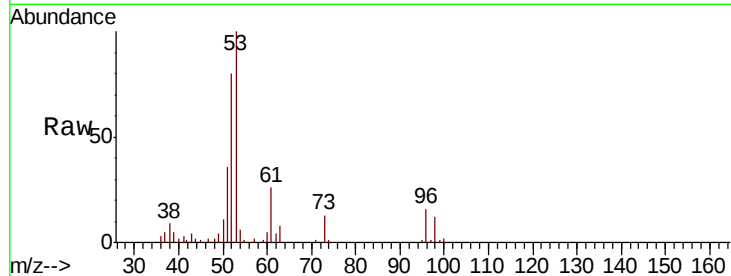
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	108655
Ion Ratio	Lower	Upper	
53	100		
52	80.6	67.3	100.9
51	38.6	30.5	45.7

Manual Integrations
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#16

Acetone

Concen: 220.052 ug/l

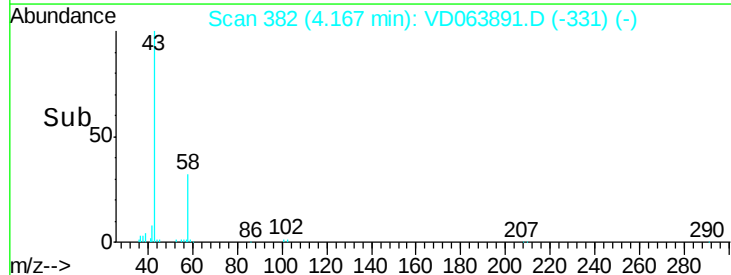
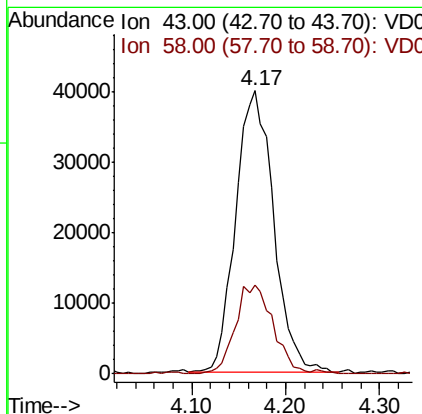
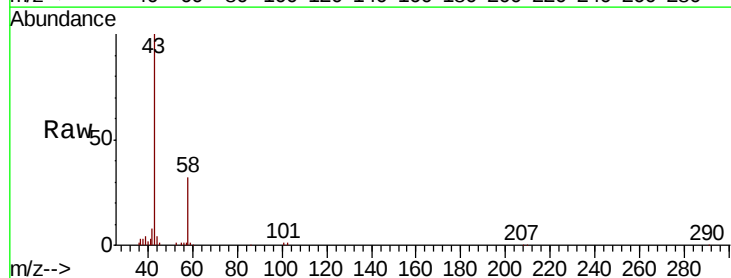
RT: 4.17 min Scan# 382

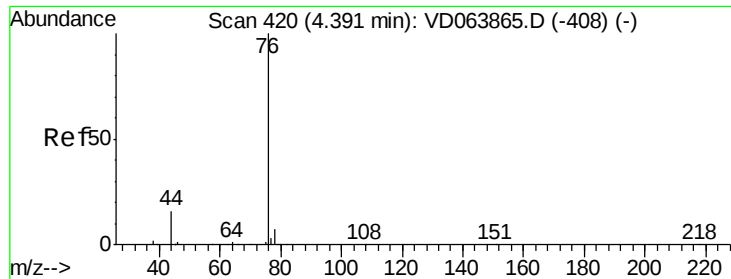
Delta R.T. -0.00 min

Lab File: VD063891.D

Acq: 04 Oct 2019 18:06

Tgt Ion:	43	Resp:	111347
Ion Ratio	Lower	Upper	
43	100		
58	31.8	26.2	39.4





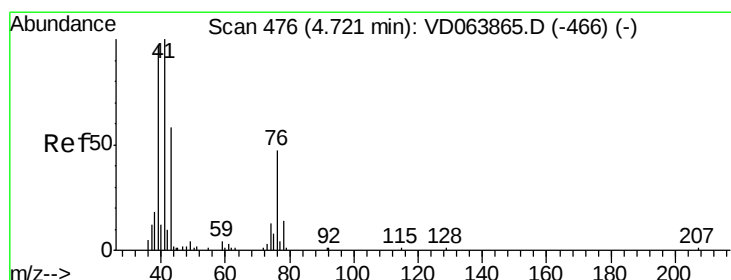
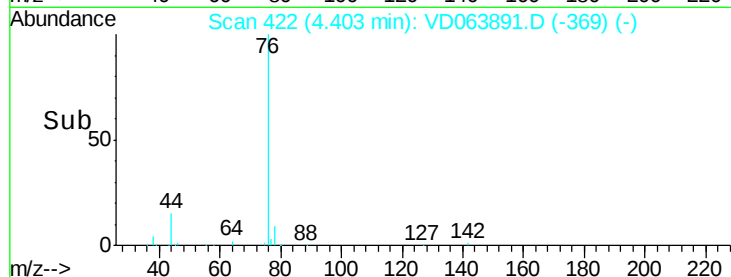
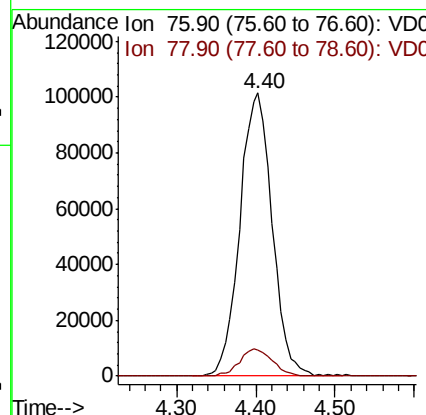
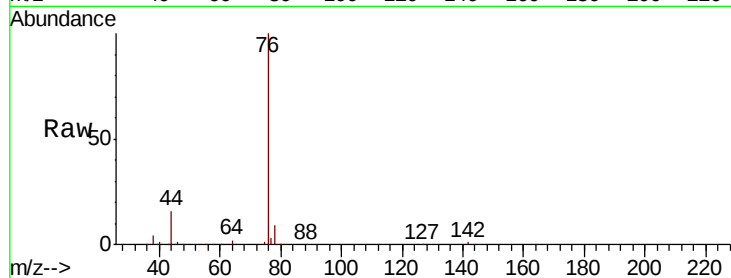
#17
Carbon Disulfide
Concen: 47.089 ug/l
RT: 4.40 min Scan# 422
Delta R.T. 0.01 min
Lab File: VD063891.D
Acq: 04 Oct 2019 18:06

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.4	5.8	8.8#

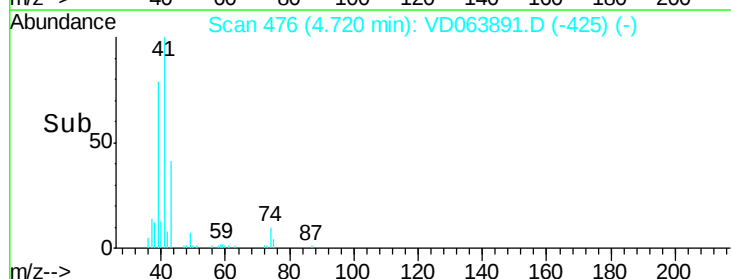
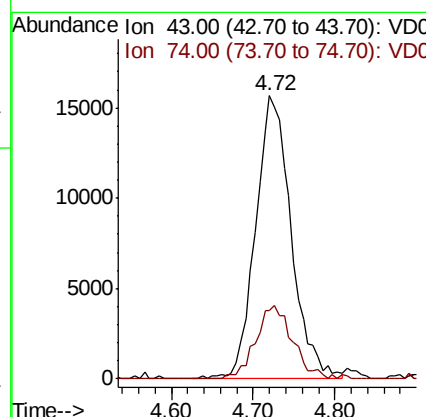
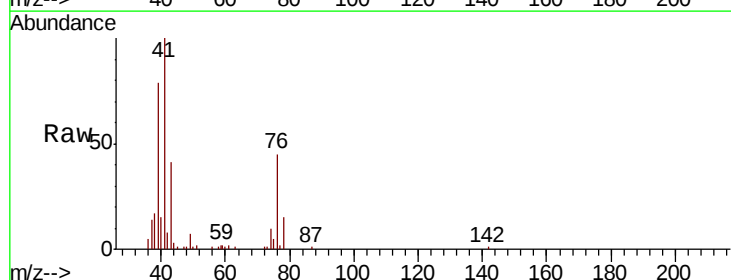
Manual Integrations
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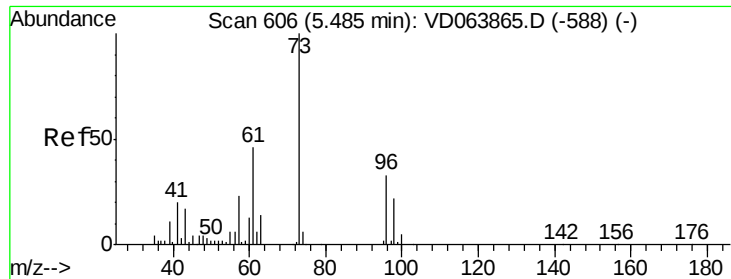
MMDadoda
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#18
Methyl Acetate
Concen: 47.960 ug/l
RT: 4.72 min Scan# 476
Delta R.T. -0.00 min
Lab File: VD063891.D
Acq: 04 Oct 2019 18:06

Tgt Ion	Ratio	Lower	Upper
43	100		
74	26.6	20.8	31.2





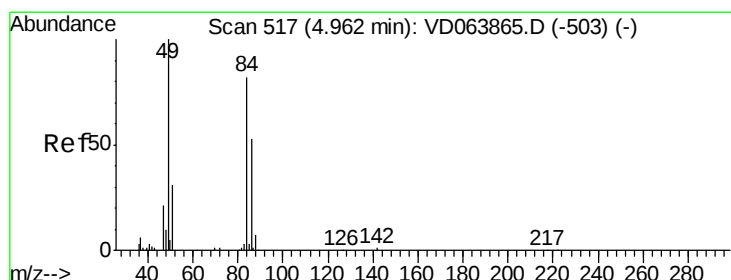
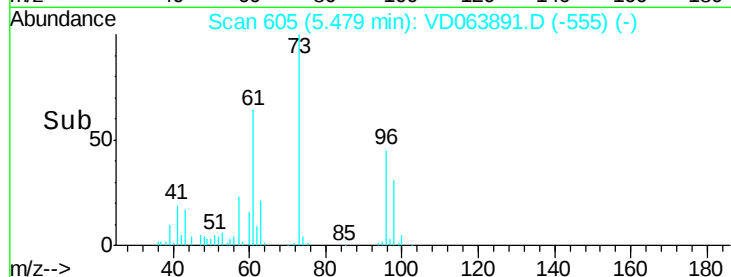
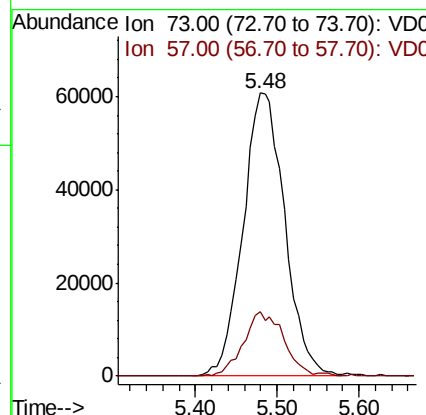
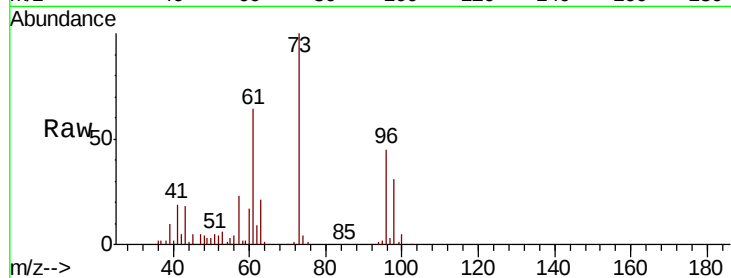
#19
Methyl tert-butyl Ether
Concen: 49.673 ug/l
RT: 5.48 min Scan# 605
Delta R.T. -0.01 min
Lab File: VD063891.D
Acq: 04 Oct 2019 18:06

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 215199
Ion Ratio Lower Upper
73 100
57 22.6 18.1 27.1

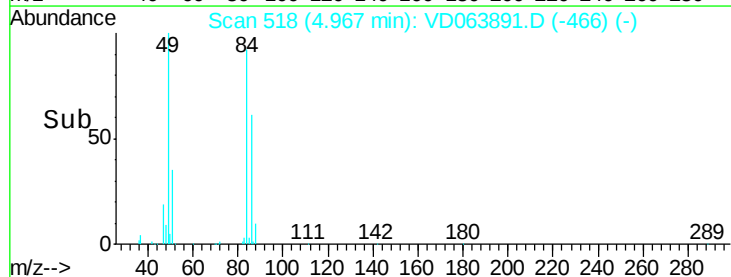
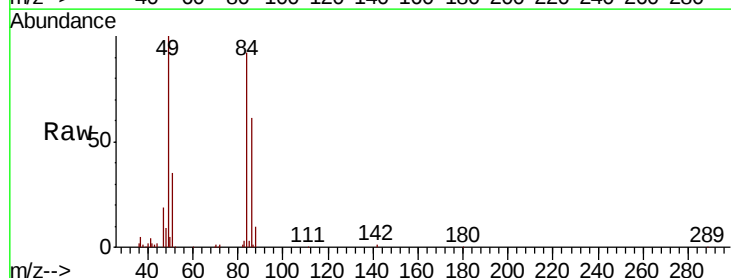
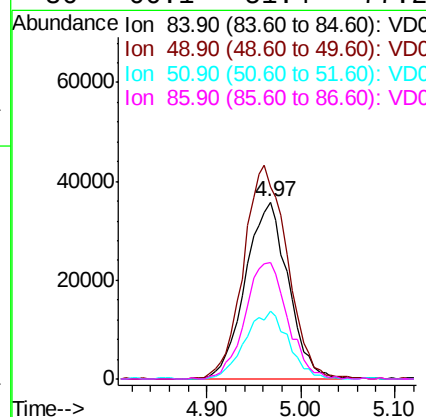
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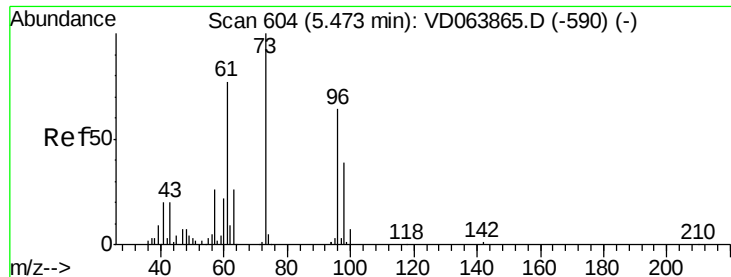
MMDadoda
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#20
Methylene Chloride
Concen: 50.369 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.01 min
Lab File: VD063891.D
Acq: 04 Oct 2019 18:06

Tgt Ion: 84 Resp: 113039
Ion Ratio Lower Upper
84 100
49 108.1 97.3 145.9
51 38.5 30.1 45.1
86 66.1 51.4 77.2





#21

trans-1,2-Dichloroethene

Concen: 48.425 ug/l

RT: 5.46 min Scan# 602

Delta R.T. -0.01 min

Lab File: VD063891.D

Acq: 04 Oct 2019 18:06

Instrument :

MSVOA_D

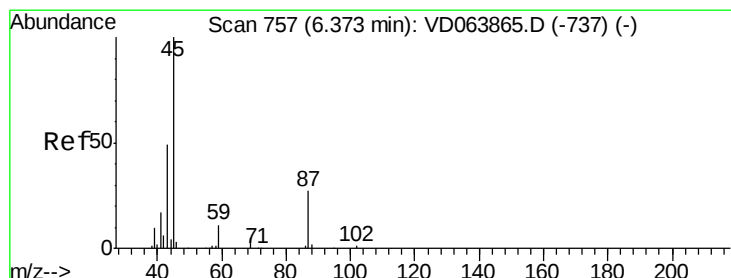
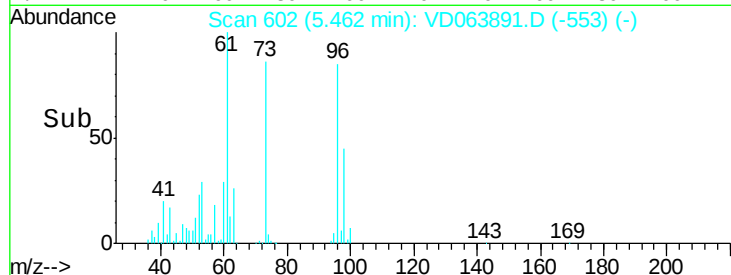
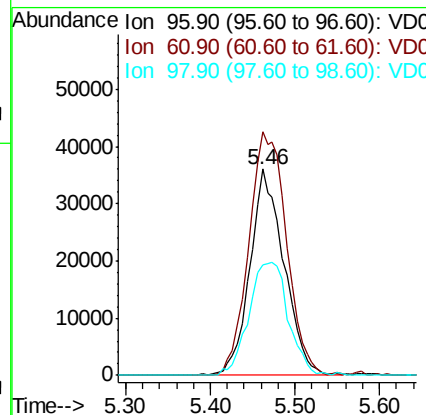
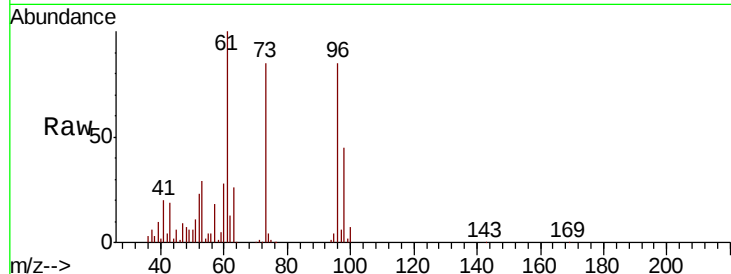
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	100856
Ion	Ratio	Lower	Upper
96	100		
61	117.5	96.6	145.0
98	53.3	48.7	73.1

Manual Integrations
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#22

Diisopropyl ether

Concen: 50.186 ug/l

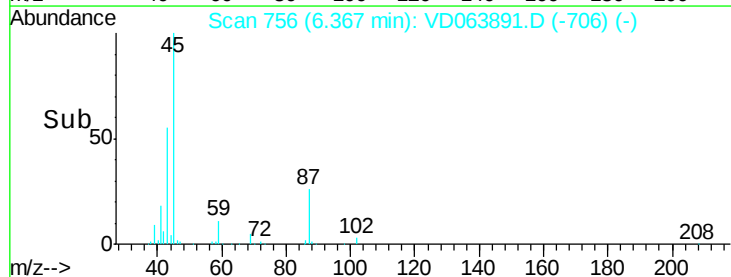
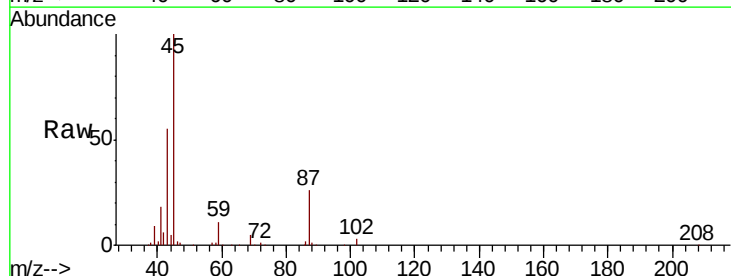
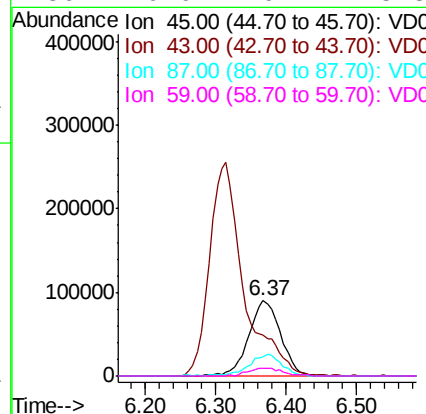
RT: 6.37 min Scan# 756

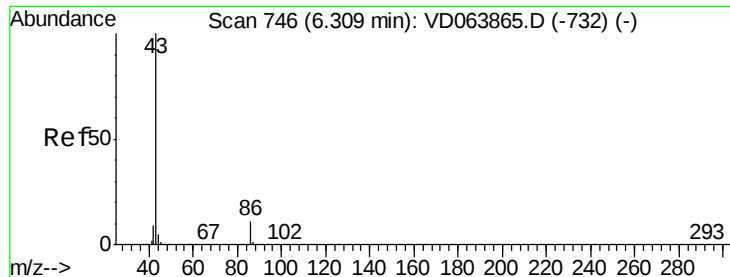
Delta R.T. -0.01 min

Lab File: VD063891.D

Acq: 04 Oct 2019 18:06

Tgt Ion:	45	Resp:	285094
Ion	Ratio	Lower	Upper
45	100		
43	54.6	41.2	61.8
87	25.7	22.2	33.4
59	10.9	9.2	13.8





#23

Vinyl Acetate

Concen: 253.506 ug/l

RT: 6.31 min Scan# 747

Delta R.T. 0.01 min

Lab File: VD063891.D

Acq: 04 Oct 2019 18:06

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 856704

Ion Ratio Lower Upper

43 100

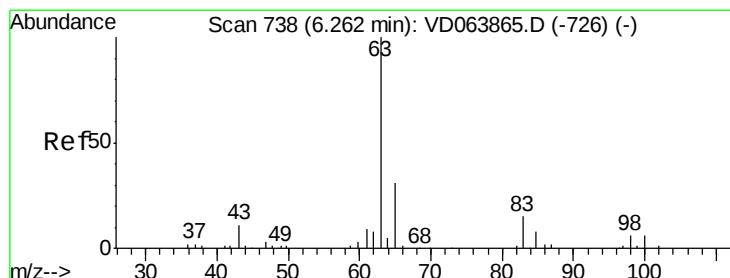
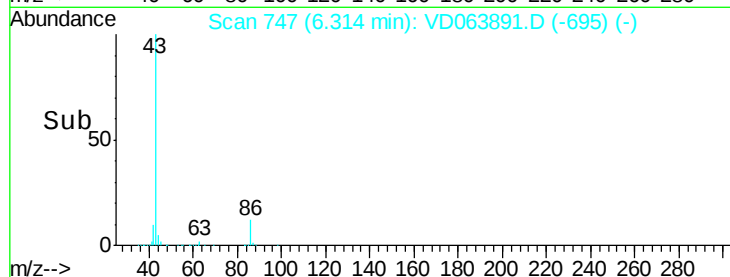
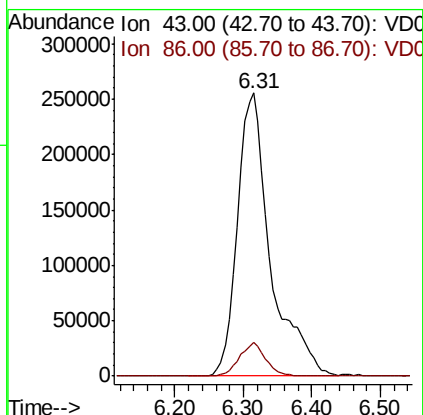
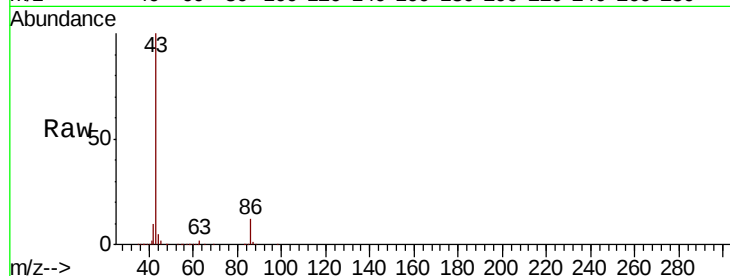
86 11.8 8.8 13.2

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 49.850 ug/l

RT: 6.27 min Scan# 740

Delta R.T. 0.01 min

Lab File: VD063891.D

Acq: 04 Oct 2019 18:06

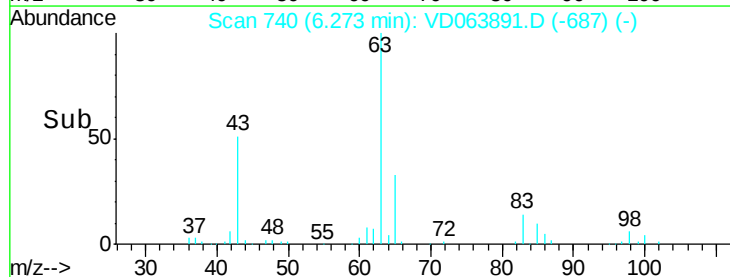
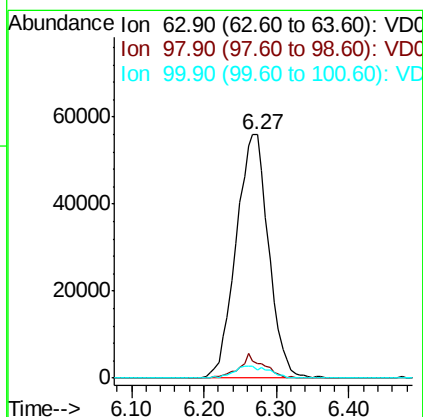
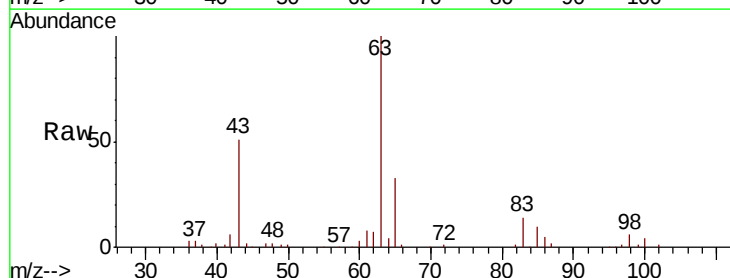
Tgt Ion: 63 Resp: 174430

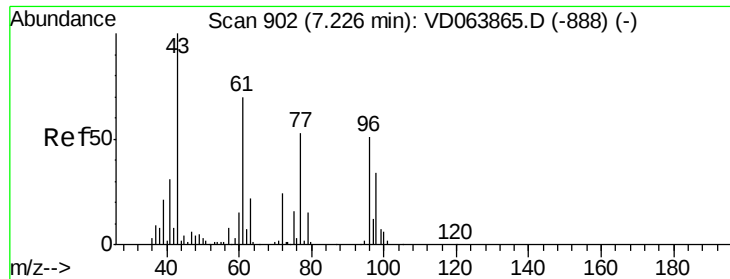
Ion Ratio Lower Upper

63 100

98 6.1 3.1 9.4

100 3.6 3.0 9.2





#25

2-Butanone

Concen: 238.575 ug/l

RT: 7.22 min Scan# 901

Delta R.T. -0.01 min

Lab File: VD063891.D

Acq: 04 Oct 2019 18:06

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 143066

Ion Ratio Lower Upper

43 100

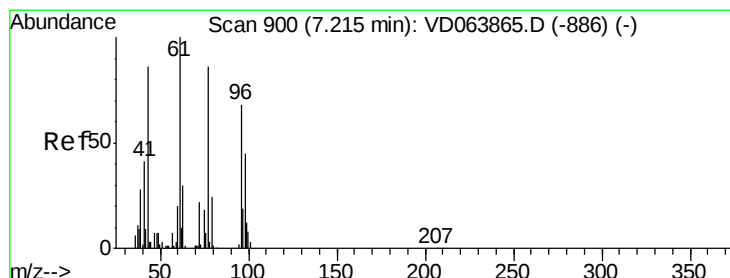
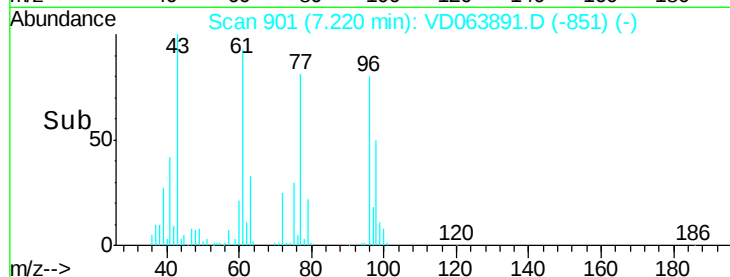
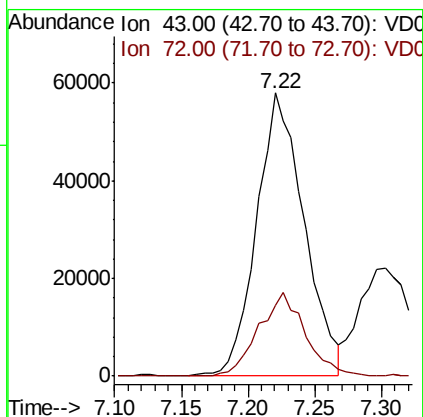
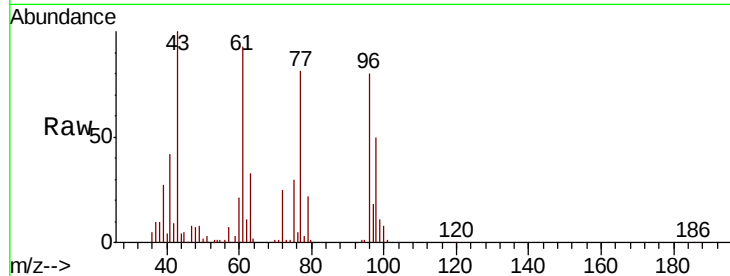
72 25.0 19.2 28.8

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#26

2,2-Dichloropropane

Concen: 49.896 ug/l

RT: 7.21 min Scan# 900

Delta R.T. -0.00 min

Lab File: VD063891.D

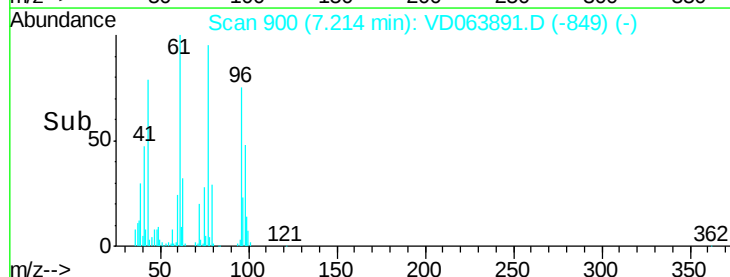
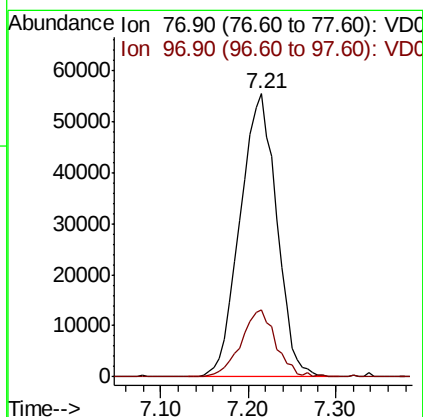
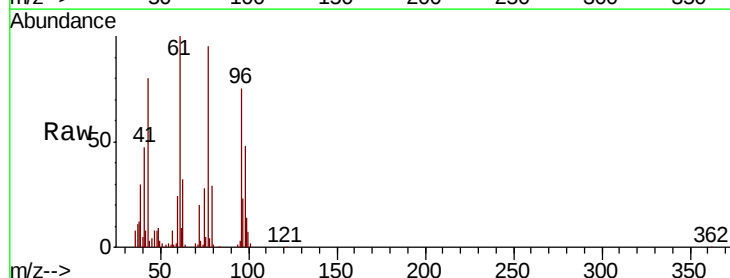
Acq: 04 Oct 2019 18:06

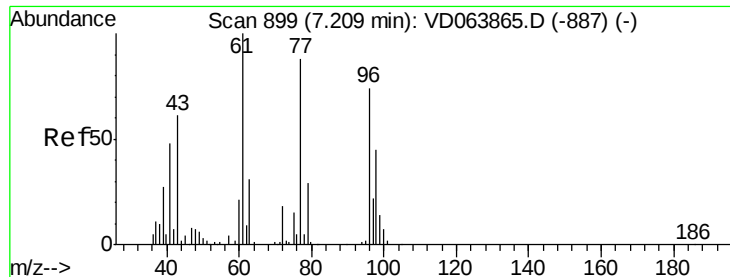
Tgt Ion: 77 Resp: 157936

Ion Ratio Lower Upper

77 100

97 22.4 11.4 34.1





#27

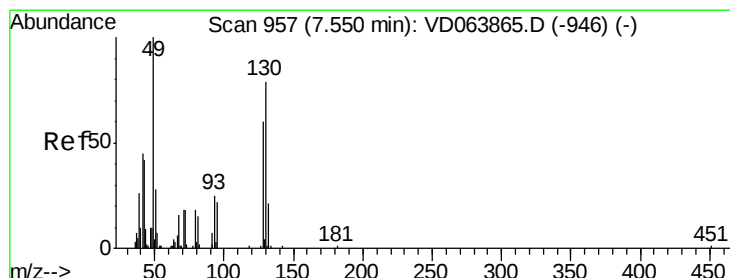
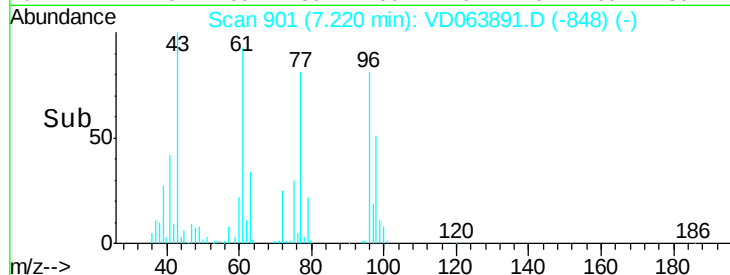
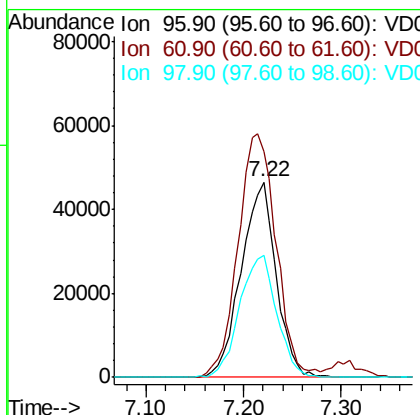
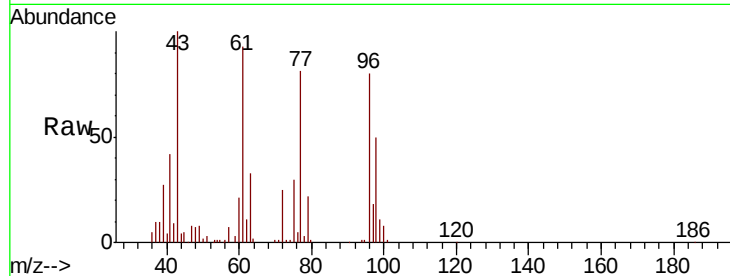
cis-1,2-Dichloroethene
Concen: 49.583 ug/l
RT: 7.22 min Scan# 901
Delta R.T. 0.01 min
Lab File: VD063891.D
Acq: 04 Oct 2019 18:06

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	135.7	0.0	280.0	
98	66.3	0.0	130.4	

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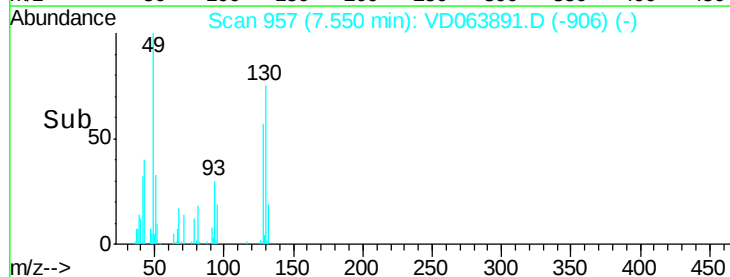
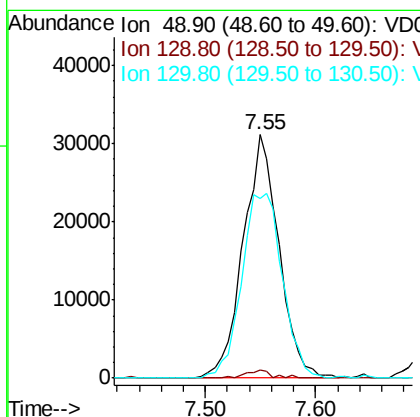
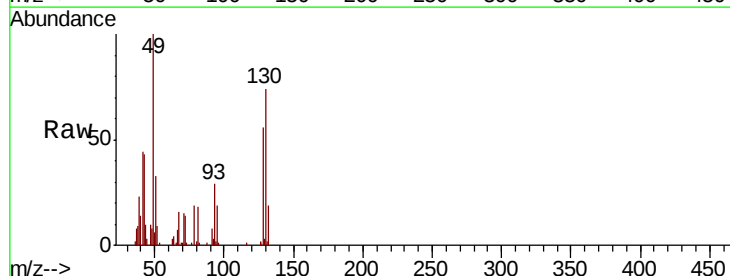
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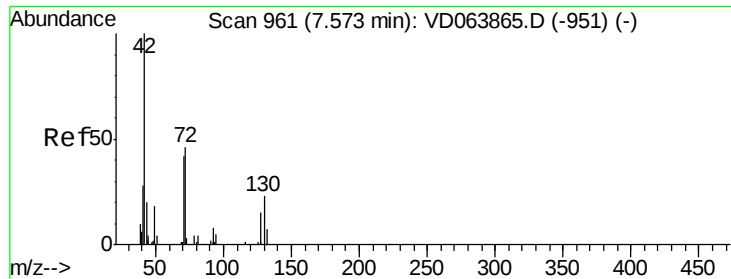


#28

Bromochloromethane
Concen: 53.282 ug/l
RT: 7.55 min Scan# 957
Delta R.T. 0.00 min
Lab File: VD063891.D
Acq: 04 Oct 2019 18:06

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.3	0.0	5.6	
130	86.1	66.8	100.2	





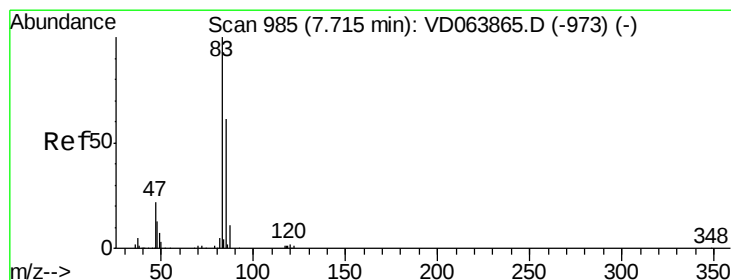
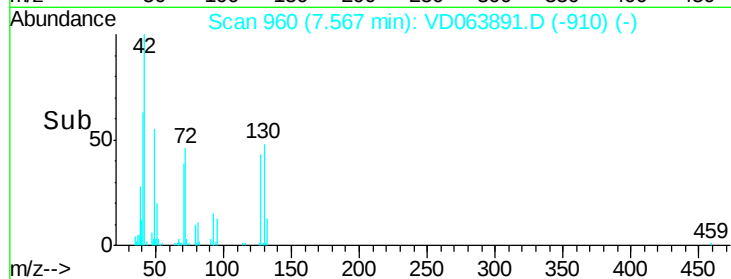
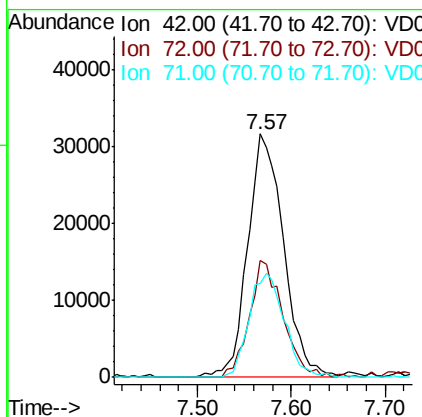
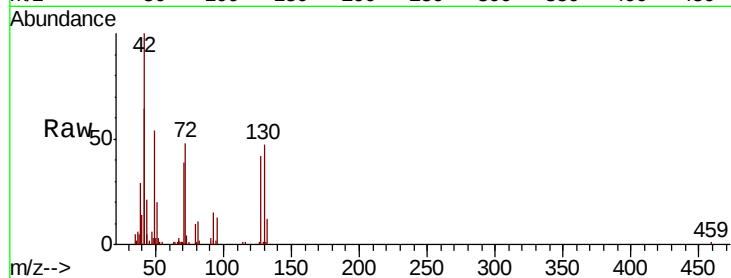
#29
Tetrahydrofuran
Concen: 239.201 ug/l
RT: 7.57 min Scan# 960
Delta R.T. -0.01 min
Lab File: VD063891.D
Acq: 04 Oct 2019 18:06

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.7	37.6	56.4
71	42.2	35.0	52.6

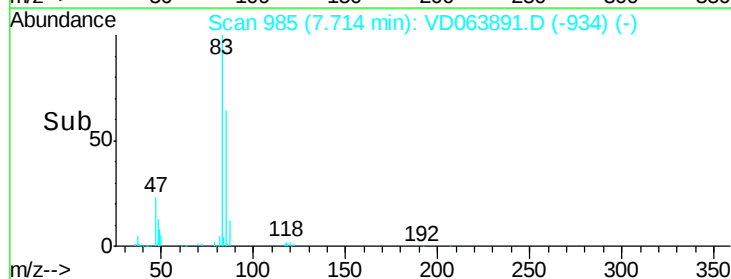
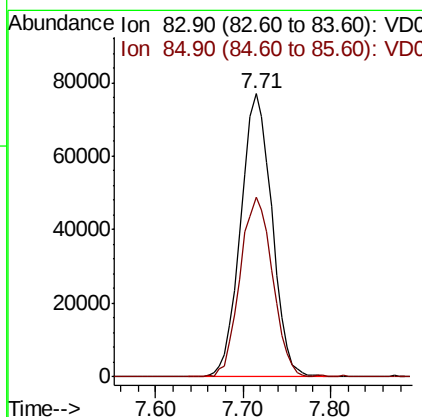
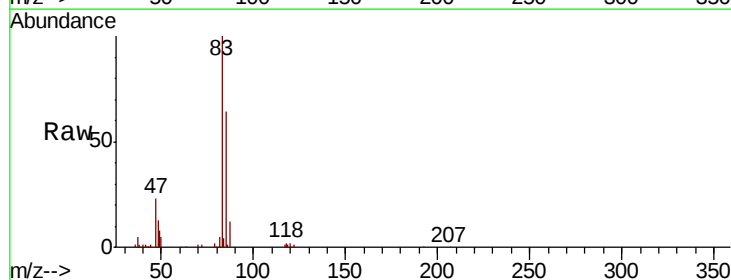
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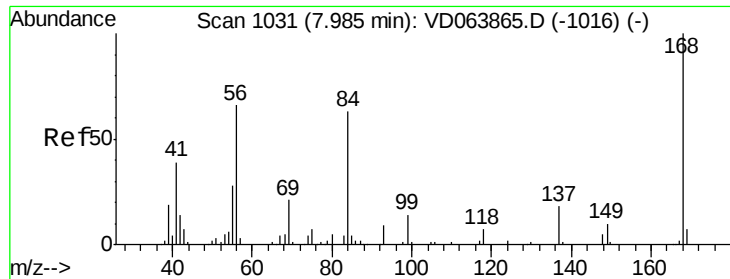
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#30
Chloroform
Concen: 48.890 ug/l
RT: 7.71 min Scan# 985
Delta R.T. -0.00 min
Lab File: VD063891.D
Acq: 04 Oct 2019 18:06

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.5	48.9	73.3





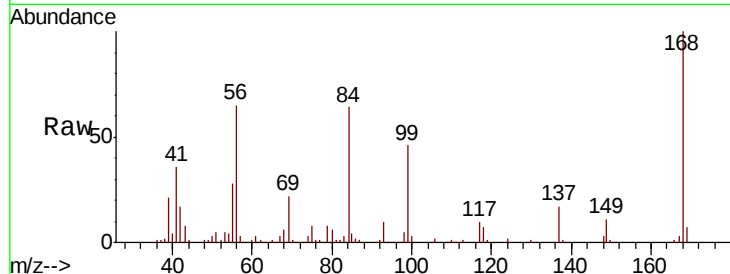
#31
Cyclohexane
Concen: 51.815 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VD063891.D
Acq: 04 Oct 2019 18:06

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

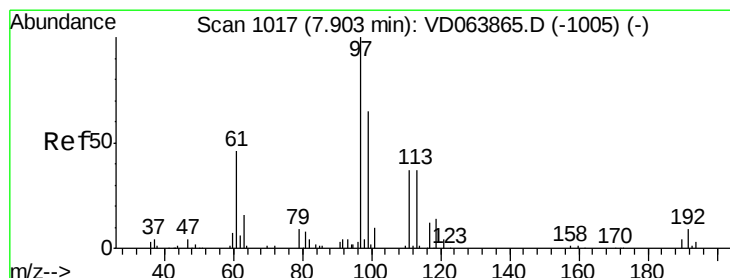
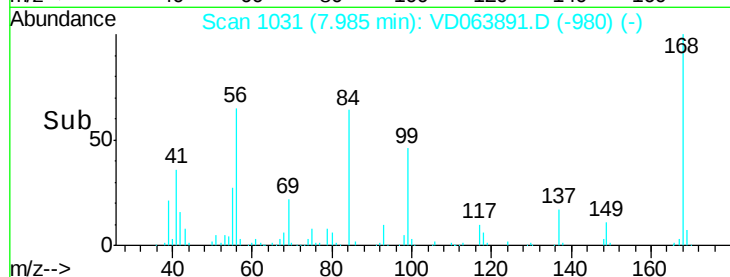
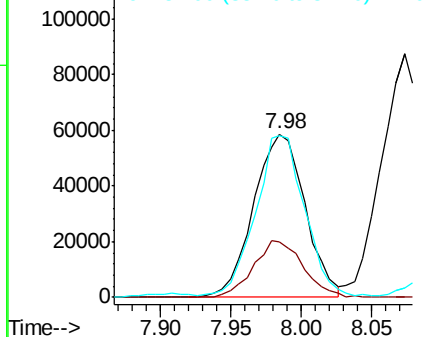
Tot Ion	Ratio	Lower	Upper
56	100		
69	33.8	25.0	37.4
84	97.2	76.3	114.5

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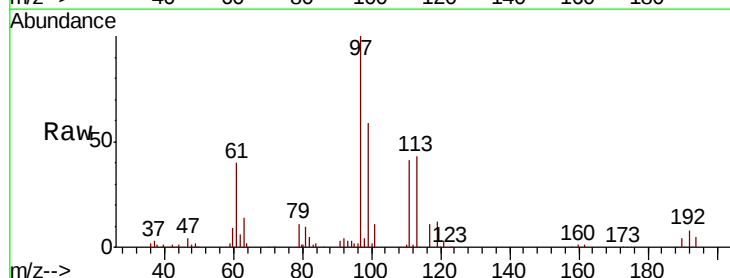


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

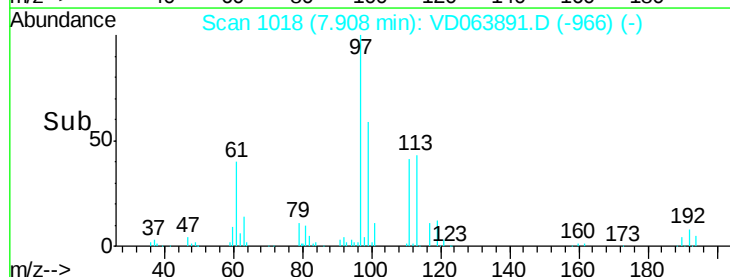
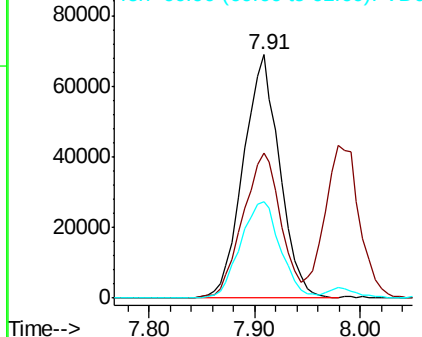


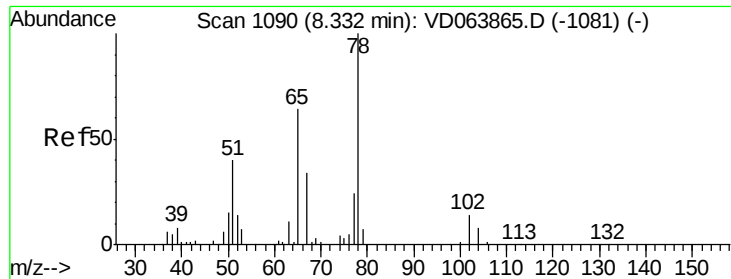
#32
1,1,1-Trichloroethane
Concen: 50.422 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. 0.01 min
Lab File: VD063891.D
Acq: 04 Oct 2019 18:06

Tgt Ion	Ratio	Lower	Upper
97	100		
99	62.3	52.4	78.6
61	43.5	33.8	50.8



Abundance Ion 96.90 (96.60 to 97.60): VDC
Ion 98.90 (98.60 to 99.60): VDC
Ion 60.90 (60.60 to 61.60): VDC





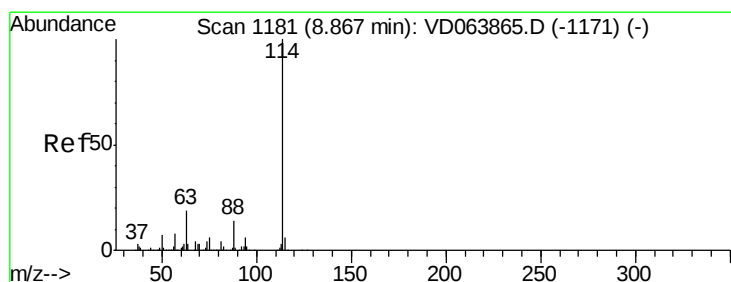
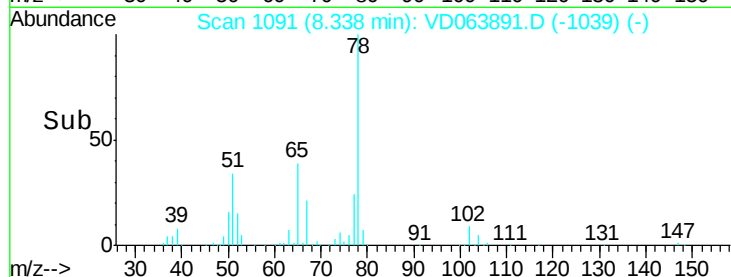
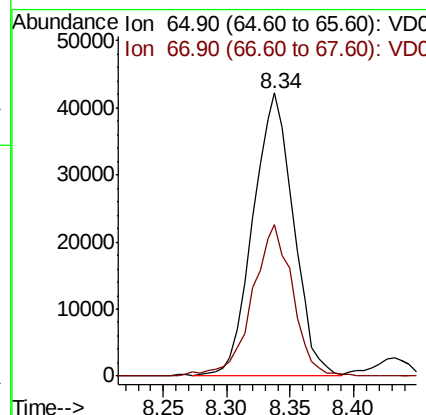
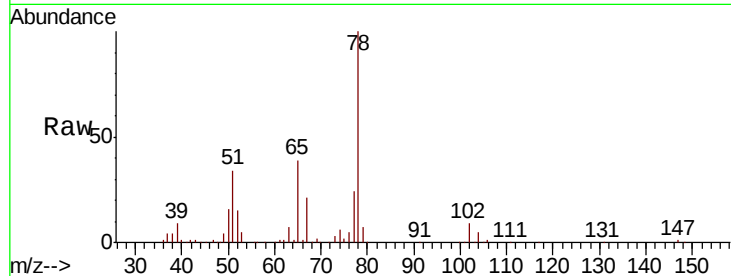
#33
 1,2-Dichloroethane-d4
 Concen: 48.204 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. 0.01 min
 Lab File: VD063891.D
 Acq: 04 Oct 2019 18:06

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
65	100		
67	53.5	0.0	106.4

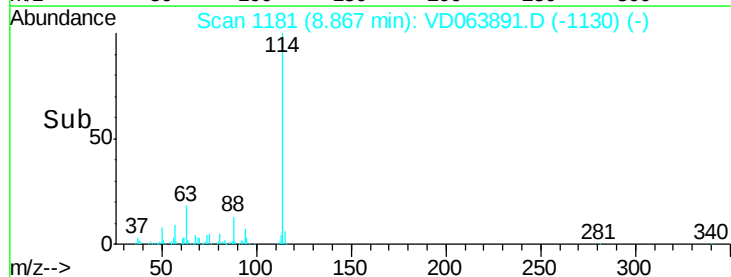
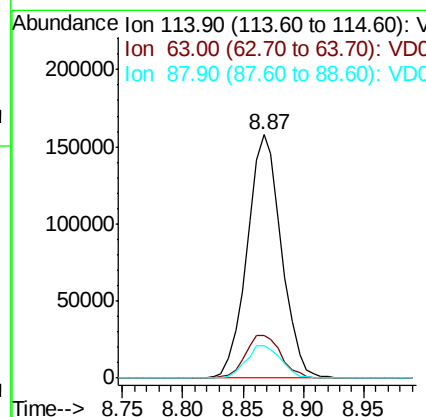
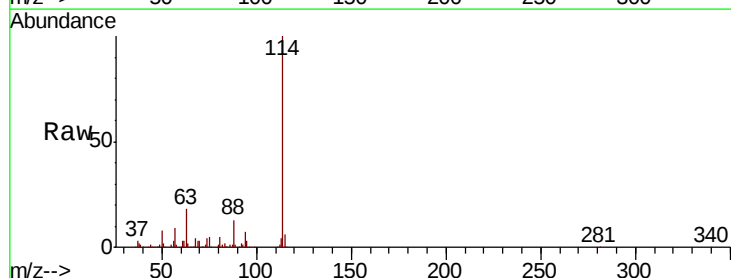
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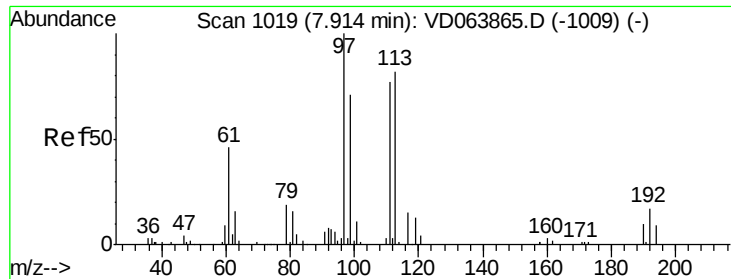
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD063891.D
 Acq: 04 Oct 2019 18:06

Tgt Ion	Ratio	Lower	Upper
114	100		
63	17.7	0.0	38.4
88	13.4	0.0	27.4





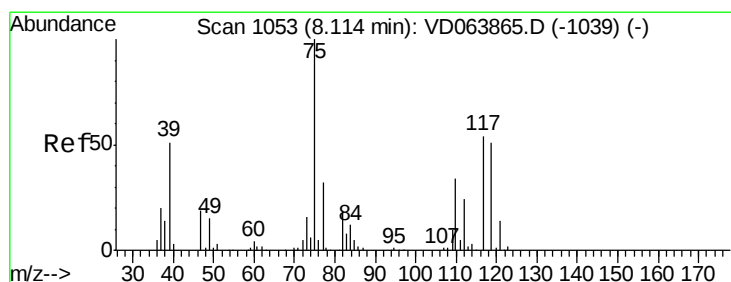
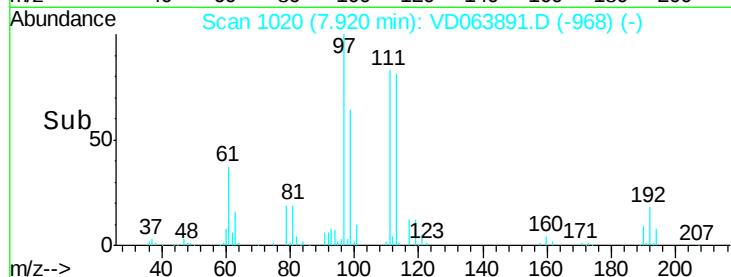
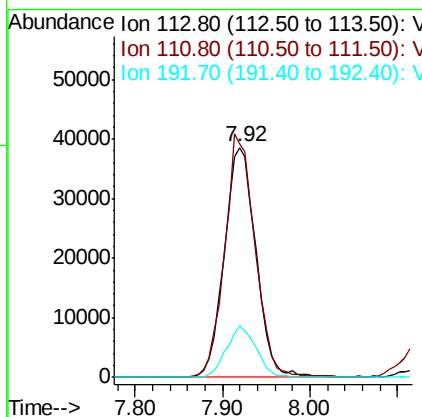
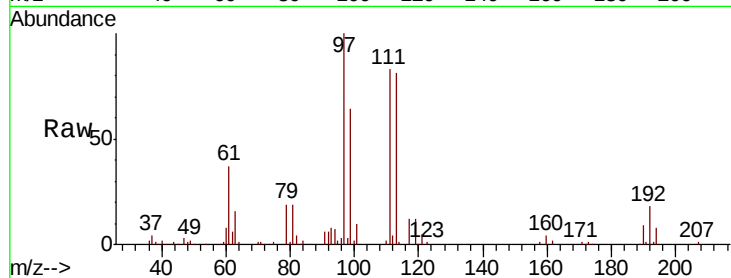
#35
 Dibromofluoromethane
 Concen: 49.997 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.01 min
 Lab File: VD063891.D
 Acq: 04 Oct 2019 18:06

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
113	100		
111	101.8	82.6	123.8
192	20.9	17.1	25.7

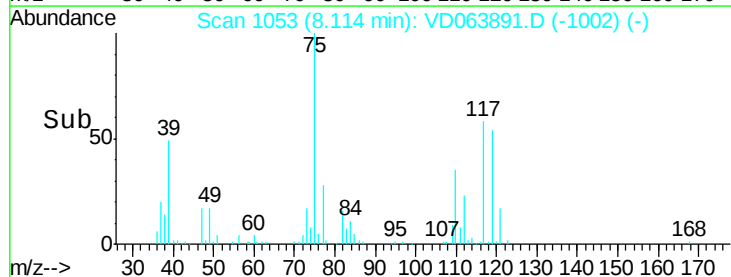
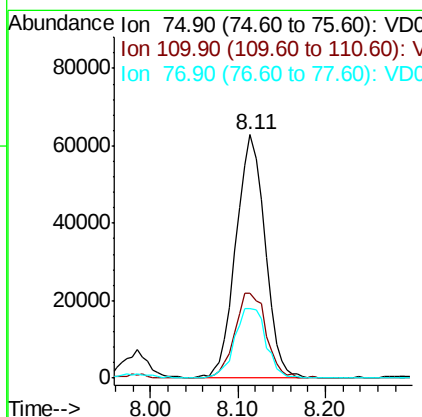
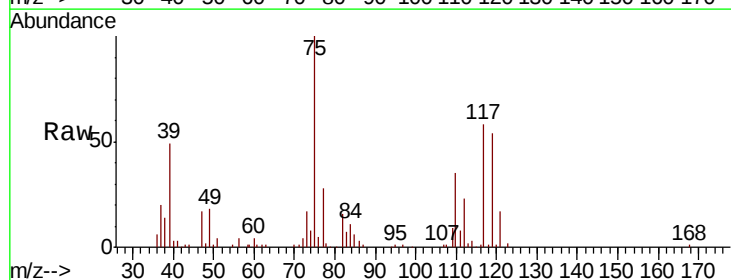
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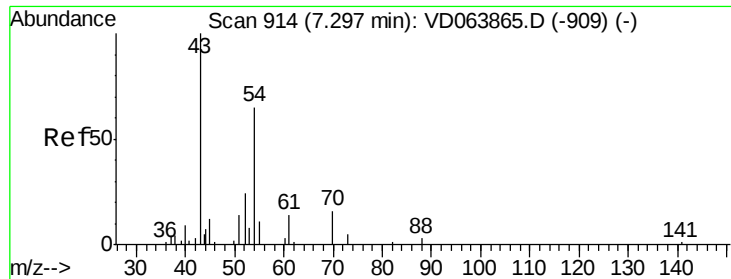
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#36
 1,1-Dichloropropene
 Concen: 49.918 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. -0.00 min
 Lab File: VD063891.D
 Acq: 04 Oct 2019 18:06

Tgt Ion	Ratio	Lower	Upper
75	100		
110	37.2	17.4	52.3
77	30.7	25.4	38.0





#37

Ethyl Acetate

Concen: 54.367 ug/l

RT: 7.30 min Scan# 915

Delta R.T. 0.01 min

Lab File: VD063891.D

Acq: 04 Oct 2019 18:06

Instrument :

MSVOA_D

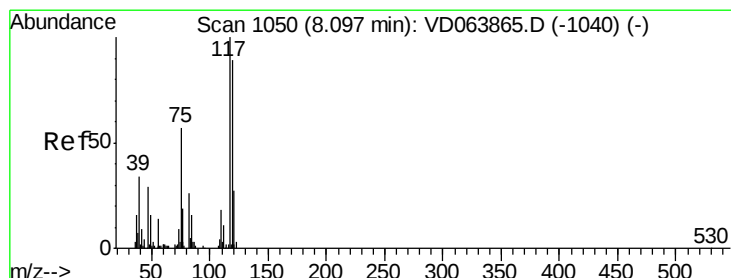
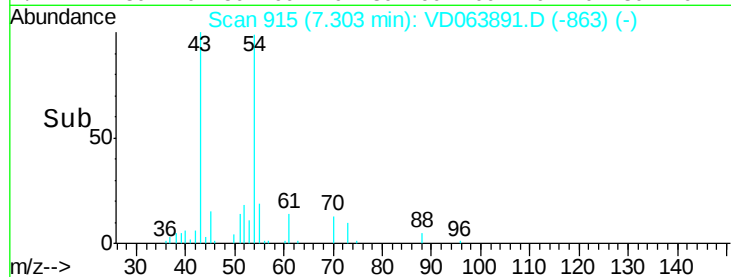
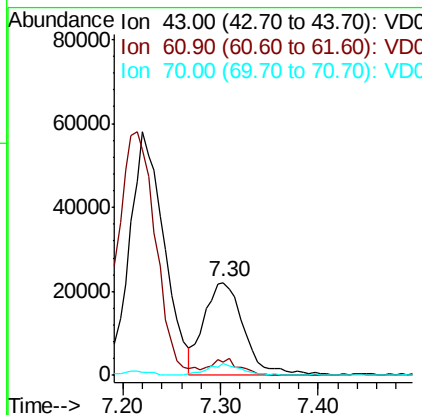
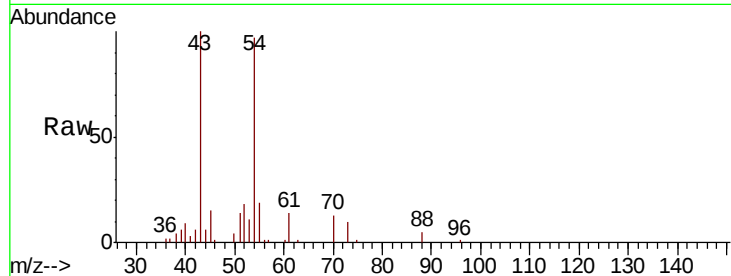
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	61670
Ion	Ratio	Lower	Upper
43	100		
61	13.2	11.5	17.3
70	10.3	8.2	12.4

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#38

Carbon Tetrachloride

Concen: 50.670 ug/l

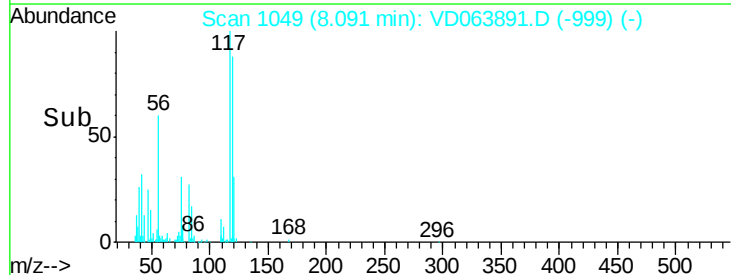
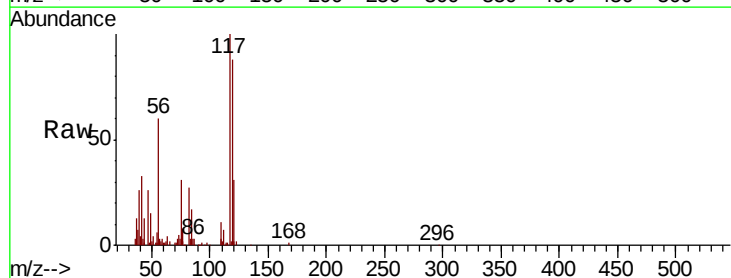
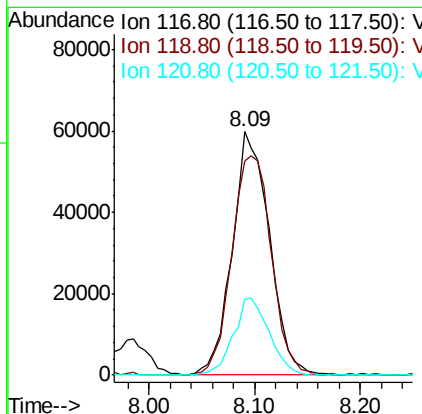
RT: 8.09 min Scan# 1049

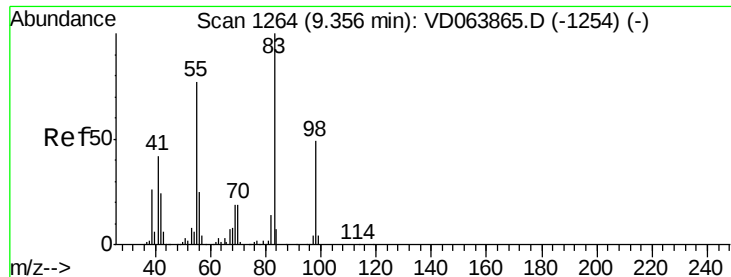
Delta R.T. -0.01 min

Lab File: VD063891.D

Acq: 04 Oct 2019 18:06

Tgt Ion:	117	Resp:	145784
Ion	Ratio	Lower	Upper
117	100		
119	87.9	70.8	106.2
121	31.0	21.4	32.0





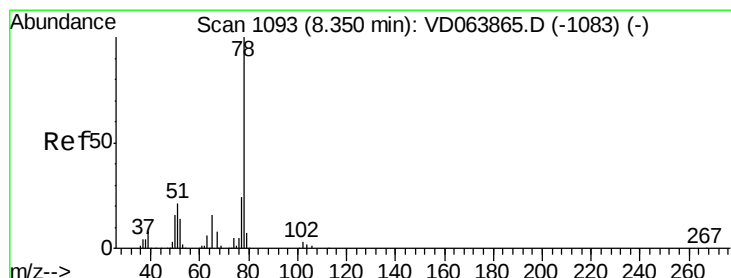
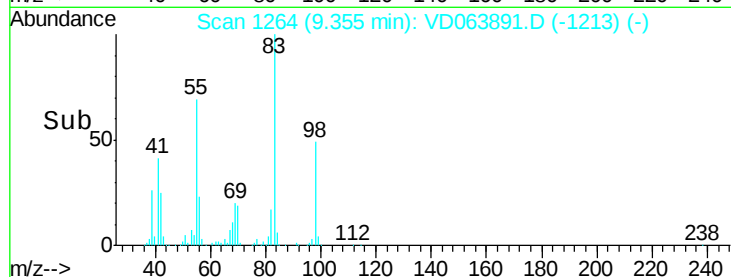
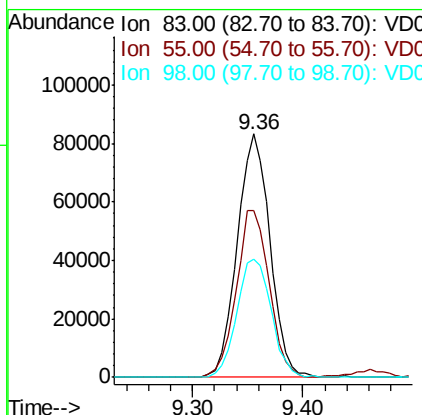
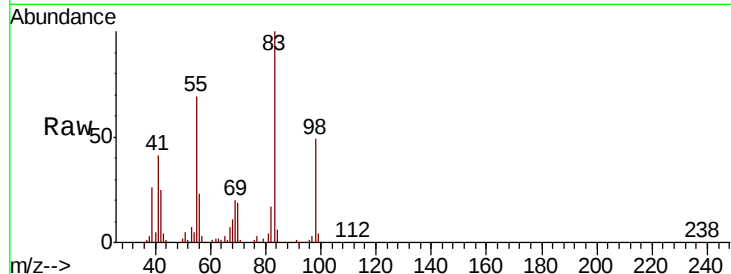
#39
Methylvlcyclohexane
Concen: 49.632 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VD063891.D
Acq: 04 Oct 2019 18:06

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	68.7	61.3	91.9
98	48.7	39.3	58.9

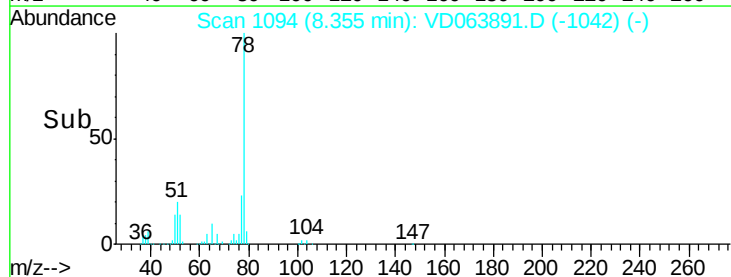
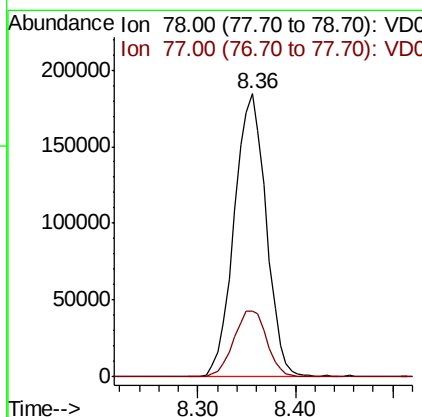
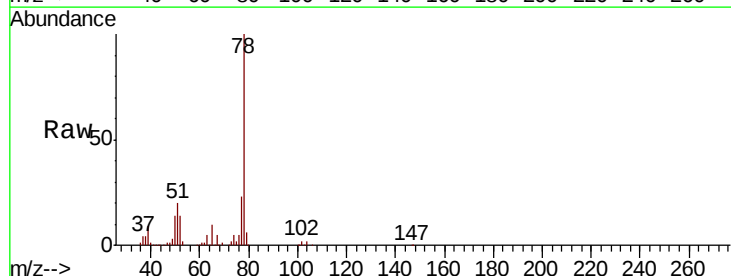
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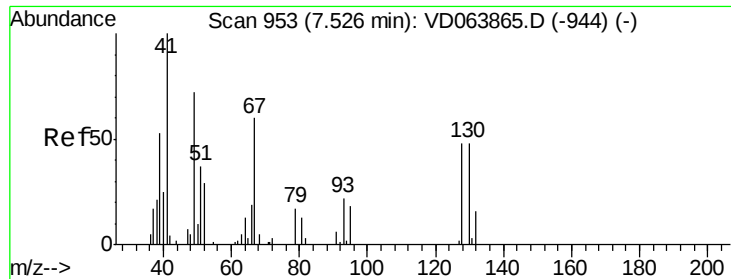
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#40
Benzene
Concen: 51.202 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.01 min
Lab File: VD063891.D
Acq: 04 Oct 2019 18:06

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.2	19.0	28.6





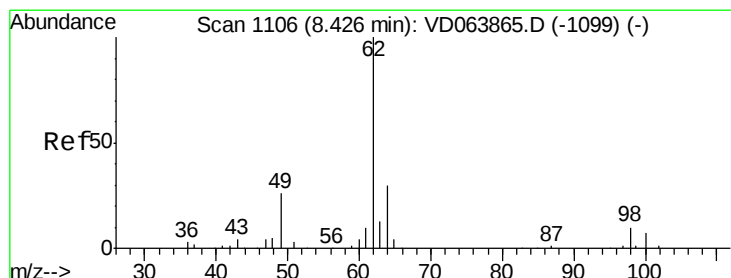
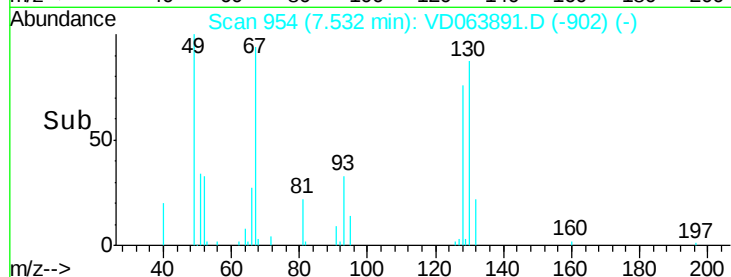
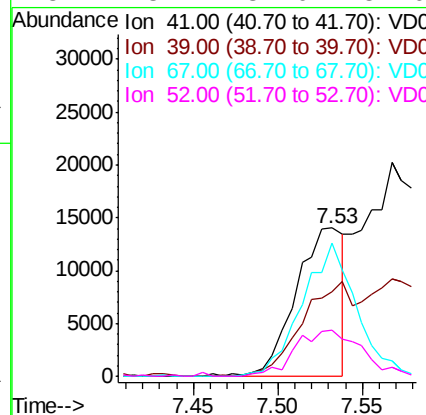
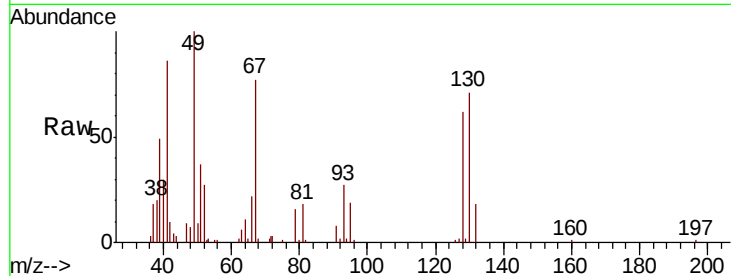
#41
Methacrylonitrile
Concen: 41.582 ug/l
RT: 7.53 min Scan# 954
Delta R.T. 0.01 min
Lab File: VD063891.D
Acq: 04 Oct 2019 18:06

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	74.8	52.6	78.8	
67	103.0	74.2	111.2	
52	43.4	34.0	51.0	

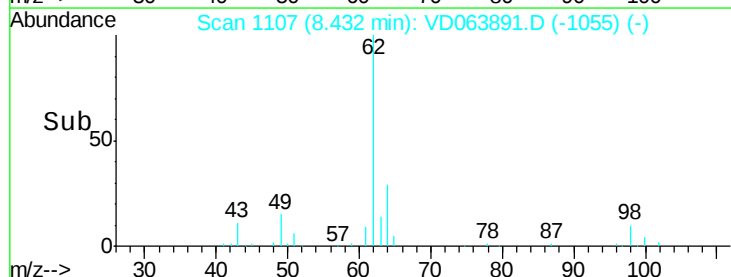
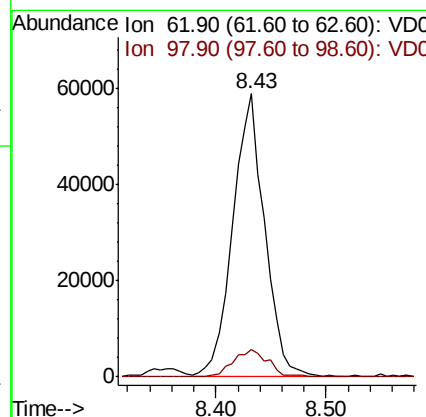
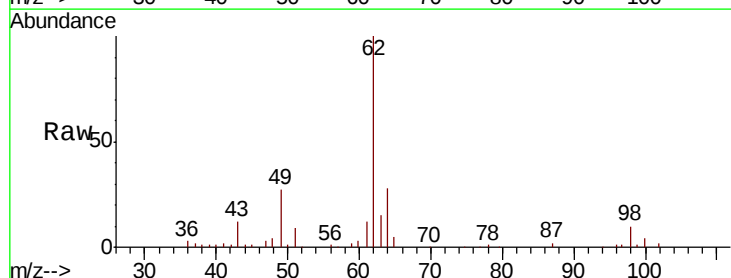
Manual Integrations
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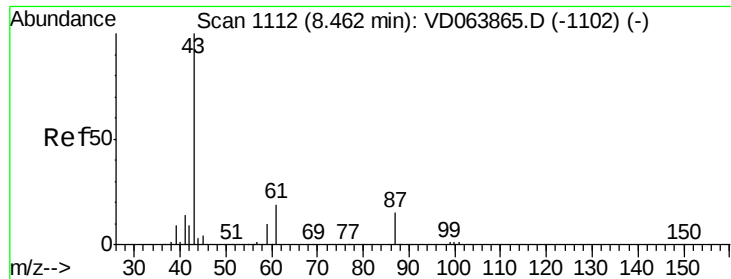
MMDadoda
10/8/2019 3:11:47 PM



#42
1,2-Dichloroethane
Concen: 50.541 ug/l
RT: 8.43 min Scan# 1107
Delta R.T. 0.01 min
Lab File: VD063891.D
Acq: 04 Oct 2019 18:06

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.6	0.0	20.0	





#43

Isopropyl Acetate

Concen: 49.678 ug/l

RT: 8.46 min Scan# 1112

Delta R.T. -0.00 min

Lab File: VD063891.D

Acq: 04 Oct 2019 18:06

Instrument :

MSVOA_D

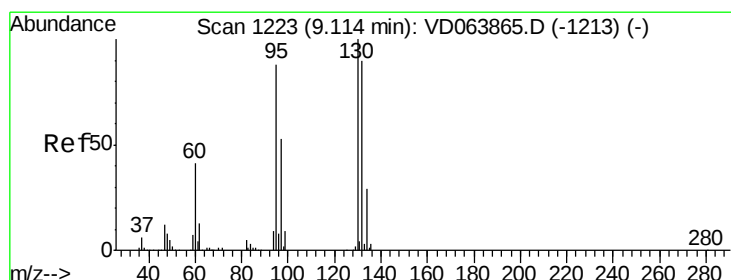
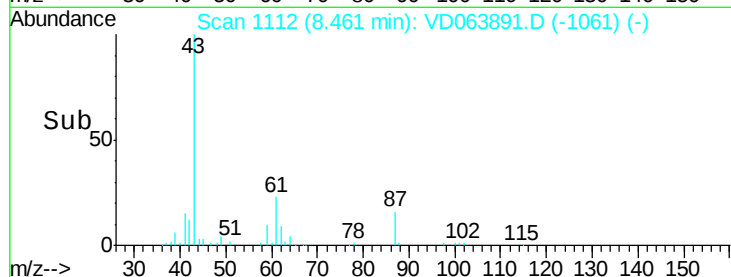
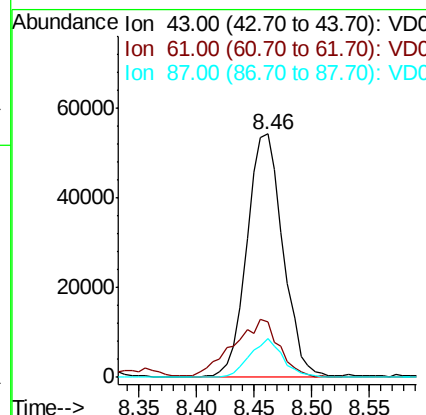
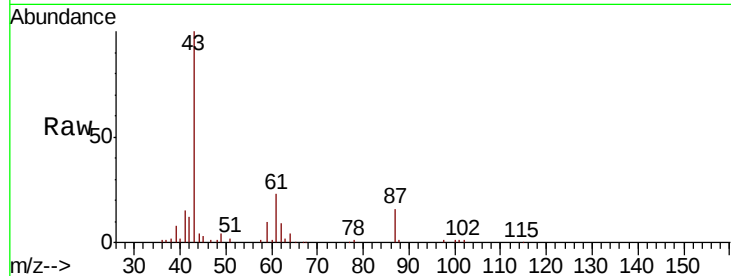
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	118615
Ion Ratio		Lower	Upper
43	100		
61	30.3	25.7	38.5
87	14.6	11.6	17.4

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#44

Trichloroethene

Concen: 50.271 ug/l

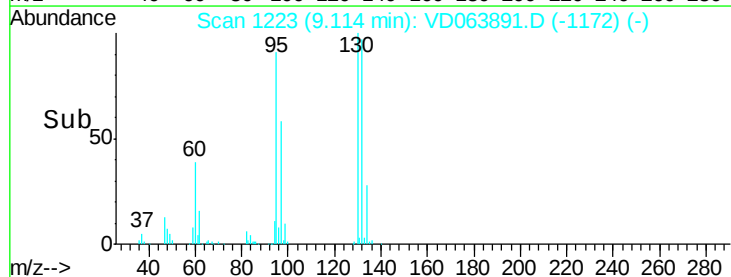
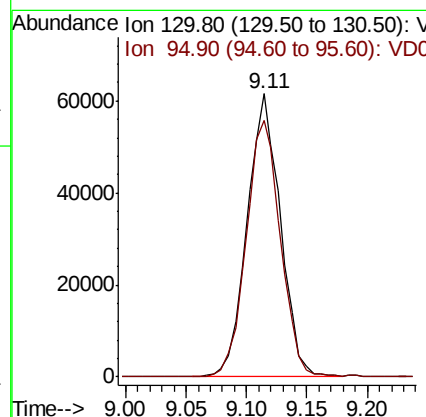
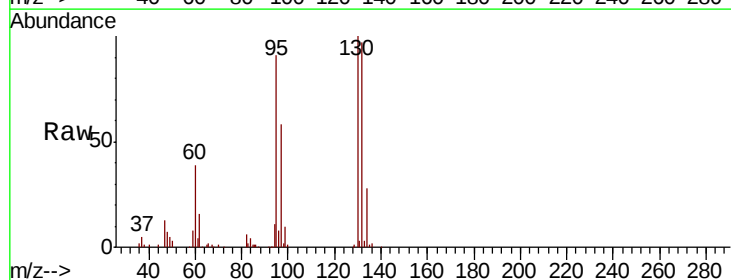
RT: 9.11 min Scan# 1223

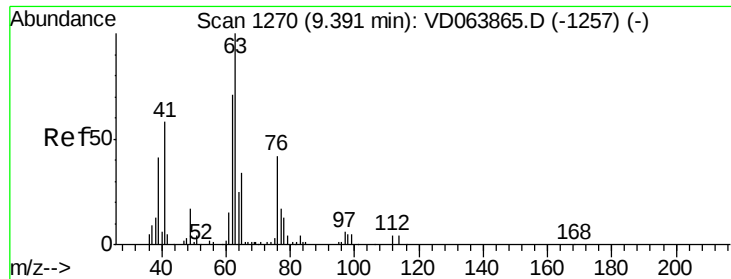
Delta R.T. -0.00 min

Lab File: VD063891.D

Acq: 04 Oct 2019 18:06

Tgt Ion:	130	Resp:	118275
Ion Ratio		Lower	Upper
130	100		
95	90.5	0.0	175.6





#45

1,2-Dichloropropane

Concen: 50.445 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VD063891.D

Acq: 04 Oct 2019 18:06

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 100740

Ion Ratio Lower Upper

63 100

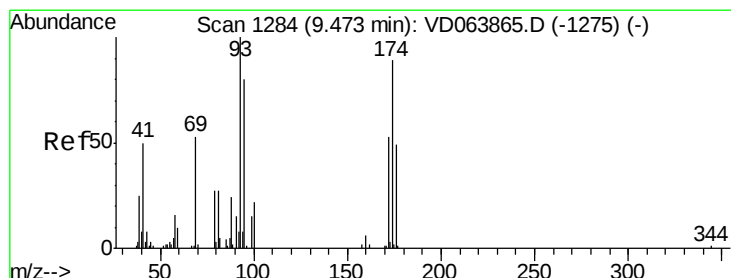
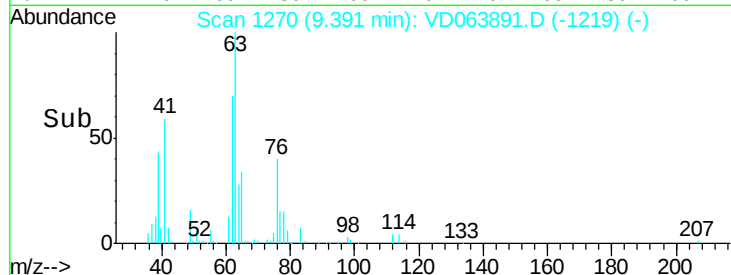
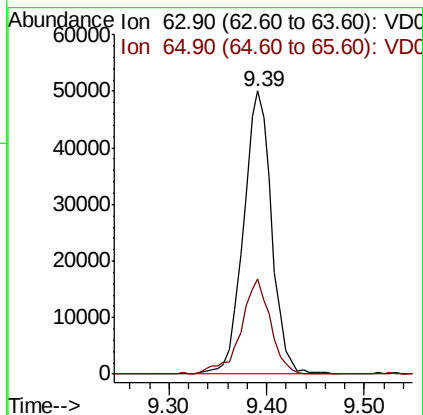
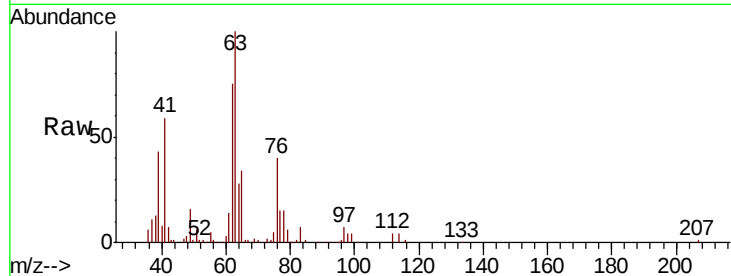
65 33.7 27.3 40.9

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#46

Dibromomethane

Concen: 52.469 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.01 min

Lab File: VD063891.D

Acq: 04 Oct 2019 18:06

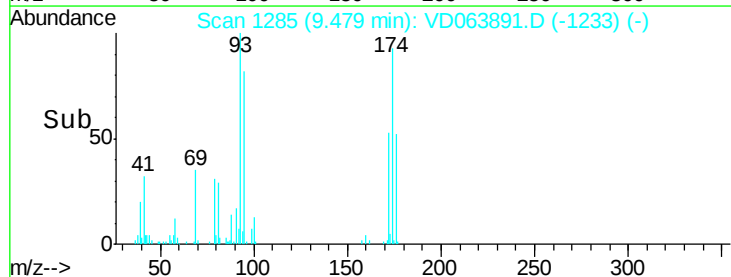
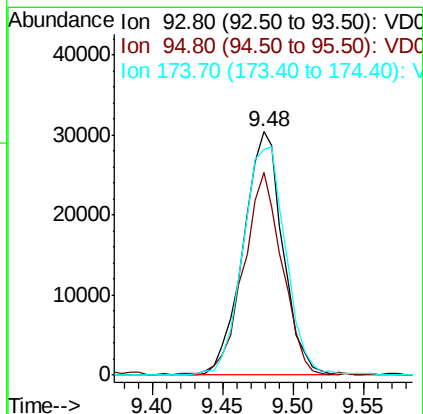
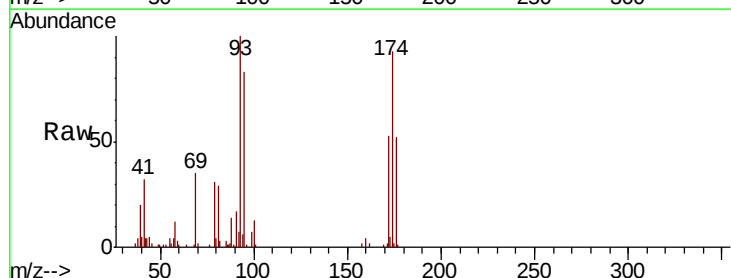
Tgt Ion: 93 Resp: 59675

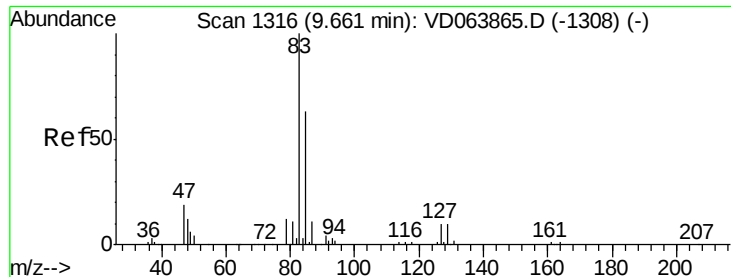
Ion Ratio Lower Upper

93 100

95 81.3 66.0 99.0

174 101.5 83.4 125.0





#47

Bromodichloromethane

Concen: 50.563 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.01 min

Lab File: VD063891.D

Acq: 04 Oct 2019 18:06

Instrument :

MSVOA_D

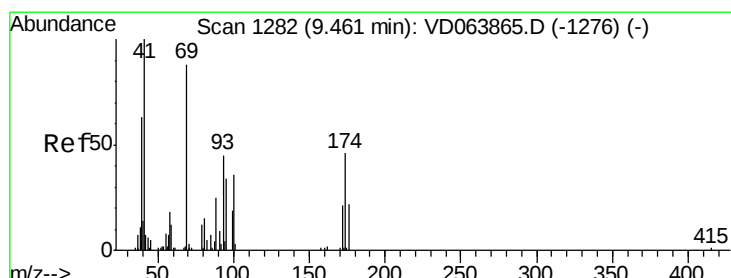
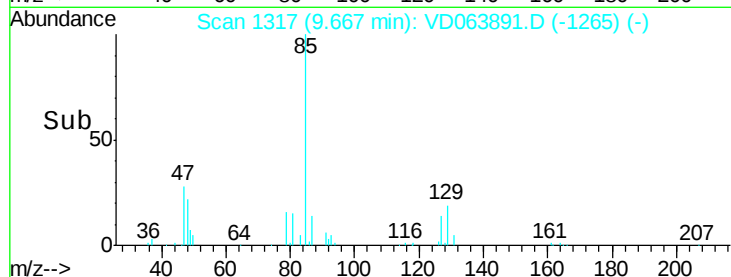
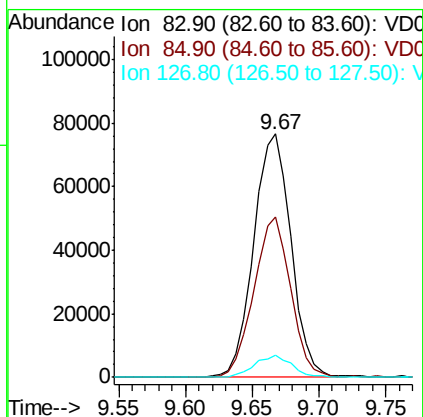
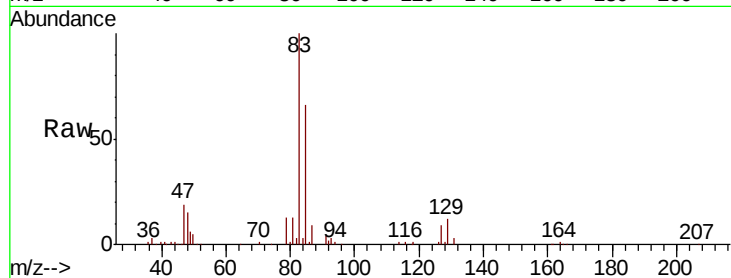
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	148060
Ion	Ratio	Lower	Upper
83	100		
85	66.1	50.2	75.2
127	8.9	7.6	11.4

Manual Integrations
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#48

Methyl methacrylate

Concen: 47.703 ug/l

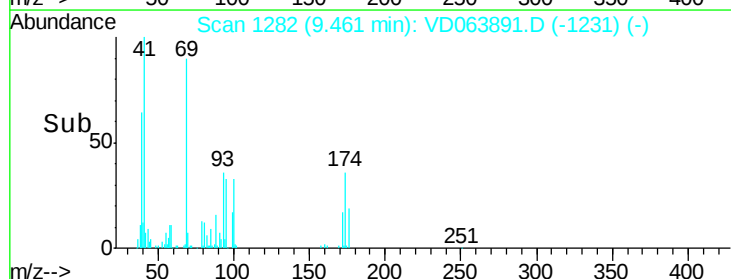
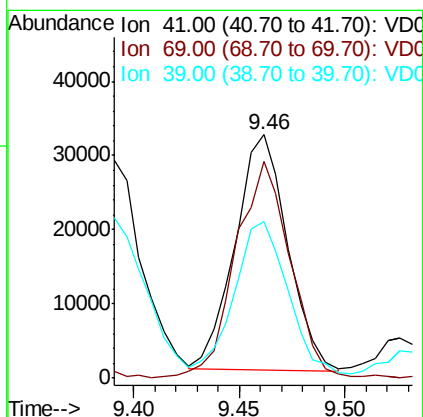
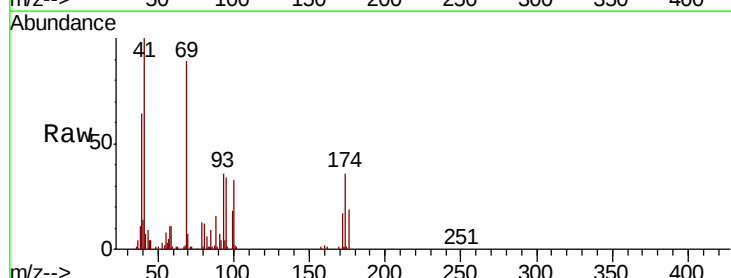
RT: 9.46 min Scan# 1282

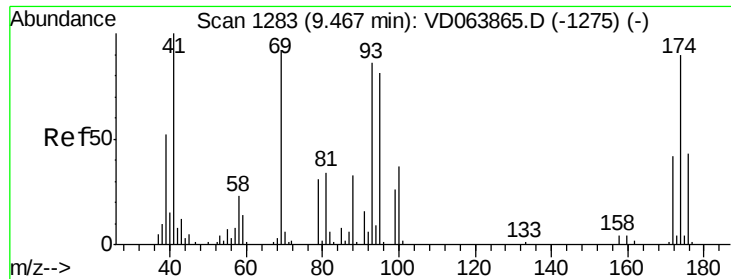
Delta R.T. -0.00 min

Lab File: VD063891.D

Acq: 04 Oct 2019 18:06

Tgt Ion:	41	Resp:	54573
Ion	Ratio	Lower	Upper
41	100		
69	96.7	75.1	112.7
39	65.8	50.2	75.2





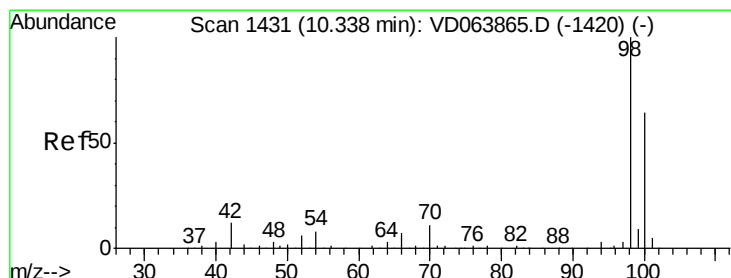
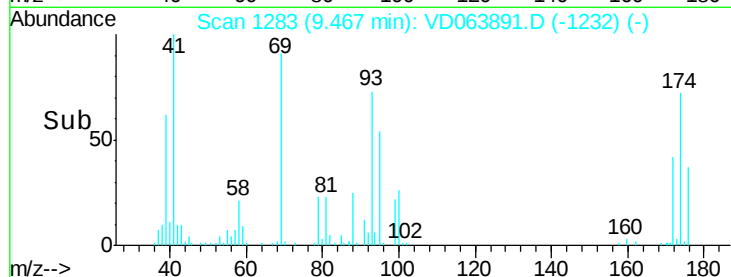
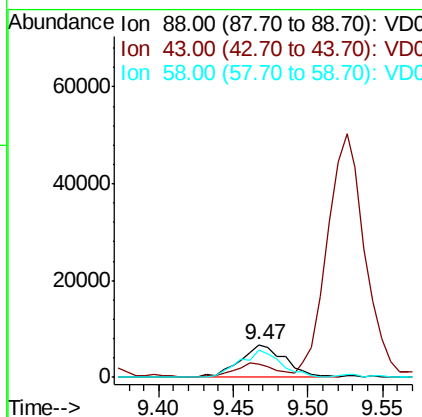
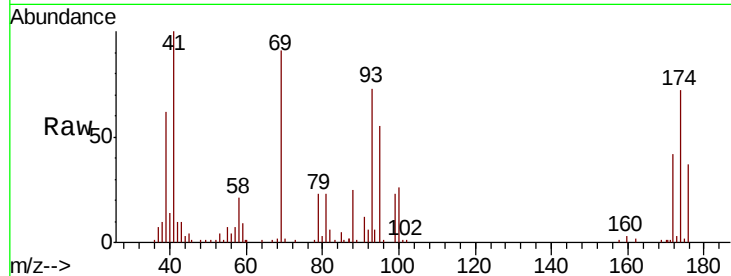
#49
1,4-Dioxane
Concen: 919.832 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VD063891.D
Acq: 04 Oct 2019 18:06

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	88	Resp	14280
Ion	Ratio	Lower	Upper
88	100		
43	39.7	27.6	41.4
58	73.5	54.1	81.1

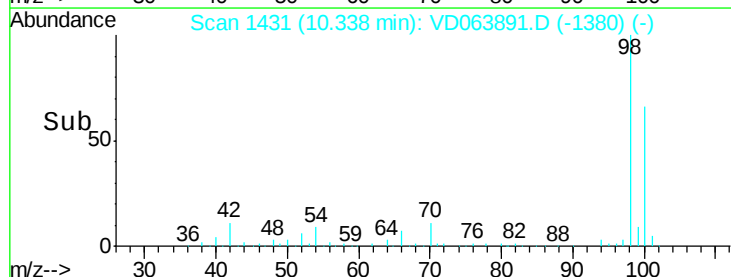
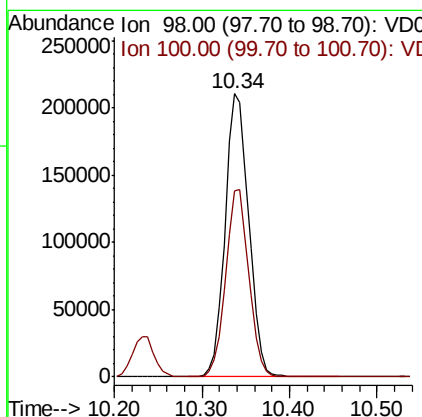
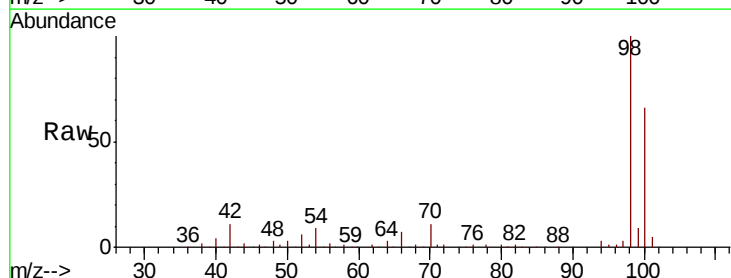
Manual Integrations
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#50
Toluene-d8
Concen: 49.968 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. -0.00 min
Lab File: VD063891.D
Acq: 04 Oct 2019 18:06

Tgt Ion	98	Resp	385951
Ion	Ratio	Lower	Upper
98	100		
100	65.1	52.1	78.1





#51

4-Methyl-2-Pentanone

Concen: 245.331 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. -0.00 min

Lab File: VD063891.D

Acq: 04 Oct 2019 18:06

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 303796

Ion Ratio Lower Upper

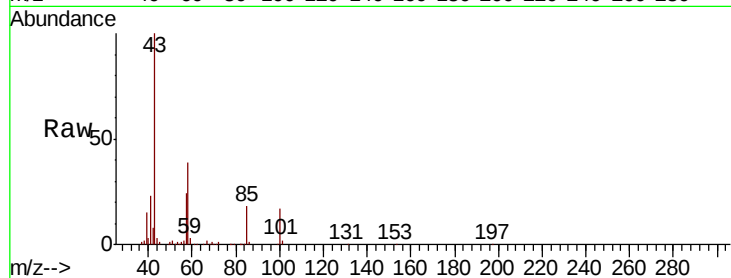
43 100

58 40.4 33.0 49.4

Manual Integrations
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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

10.23

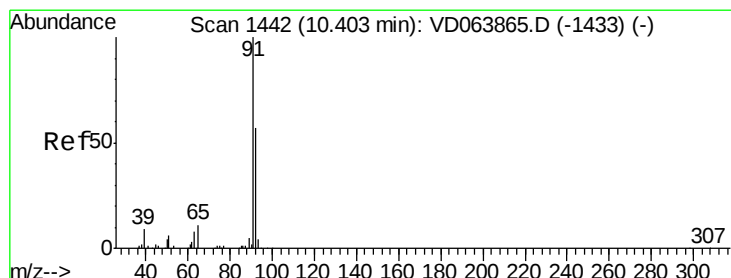
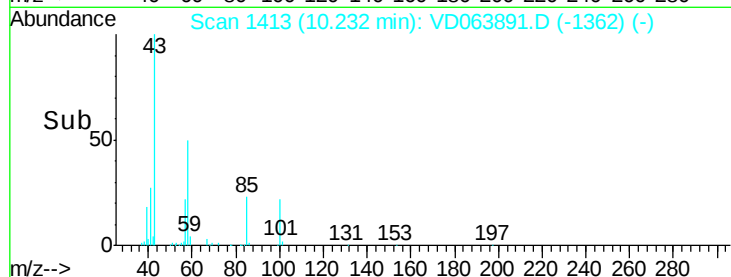
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 50.875 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. -0.00 min

Lab File: VD063891.D

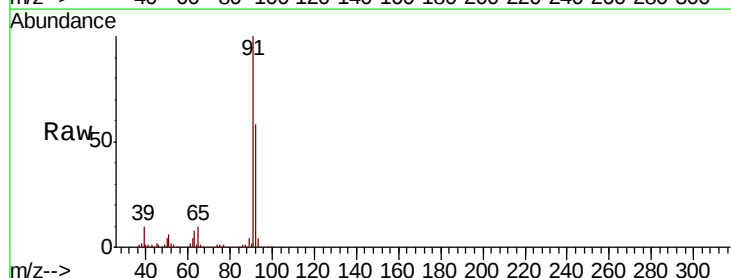
Acq: 04 Oct 2019 18:06

Tgt Ion: 92 Resp: 284952

Ion Ratio Lower Upper

92 100

91 174.2 139.5 209.3



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

10.40

300000

250000

200000

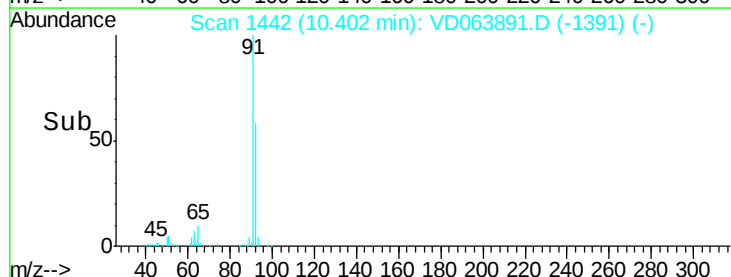
150000

100000

50000

0

Time-->





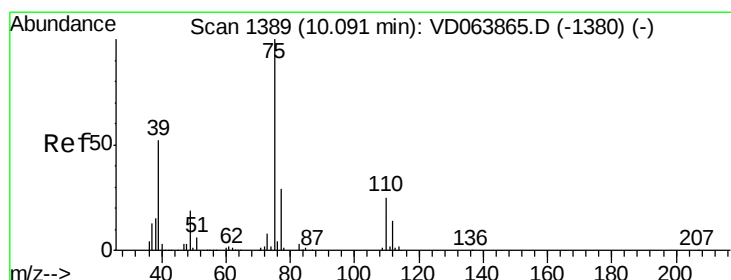
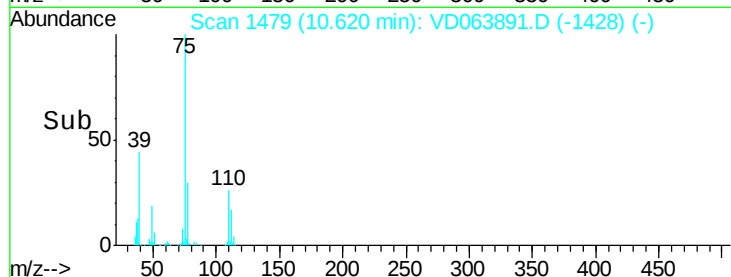
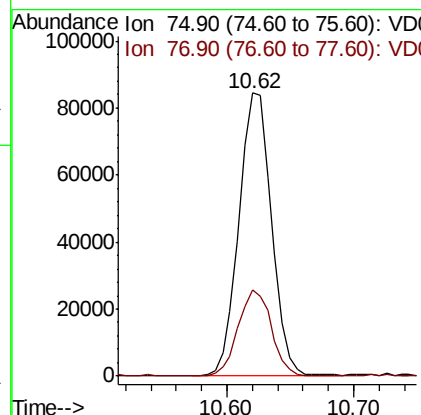
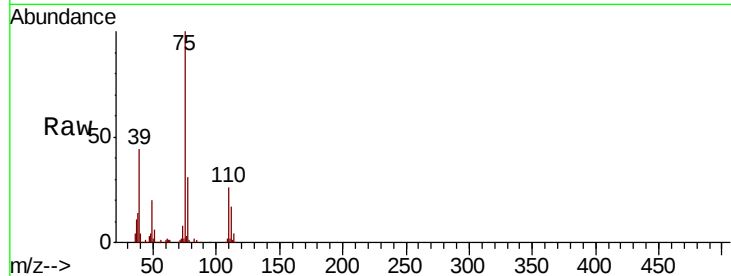
#53
 t-1,3-Dichloropropene
 Concen: 52.869 ug/l
 RT: 10.62 min Scan# 1479
 Delta R.T. -0.00 min
 Lab File: VD063891.D
 Acq: 04 Oct 2019 18:06

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	75	Resp	151068
Ion Ratio	Lower	Upper	
75	100		
77	30.7	22.8	34.2

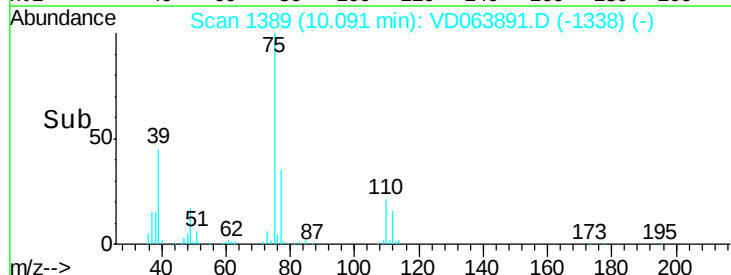
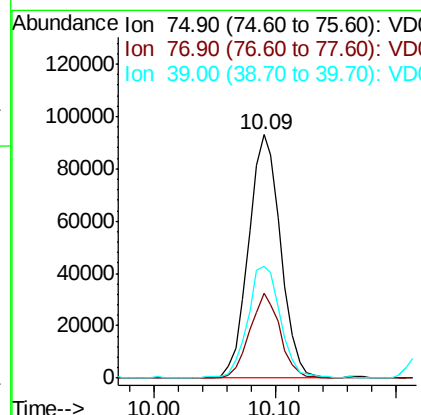
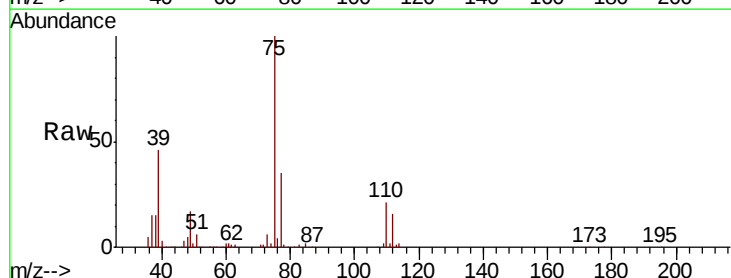
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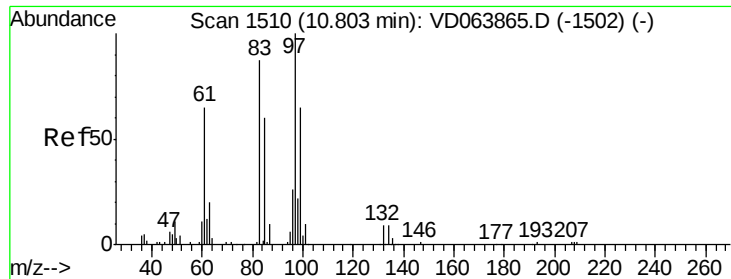
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#54
 cis-1,3-Dichloropropene
 Concen: 52.271 ug/l
 RT: 10.09 min Scan# 1389
 Delta R.T. -0.00 min
 Lab File: VD063891.D
 Acq: 04 Oct 2019 18:06

Tgt Ion	75	Resp	171927
Ion Ratio	Lower	Upper	
75	100		
77	34.6	23.2	34.8
39	45.9	41.5	62.3





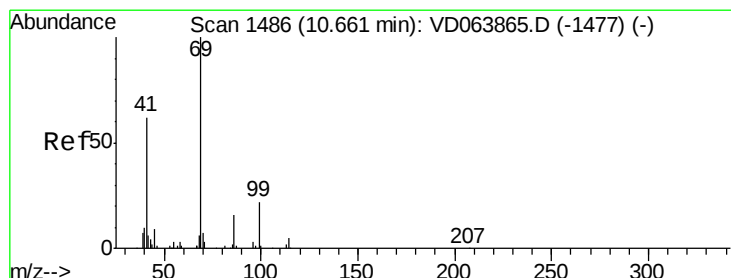
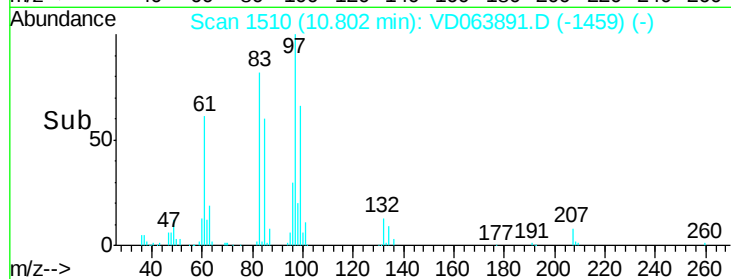
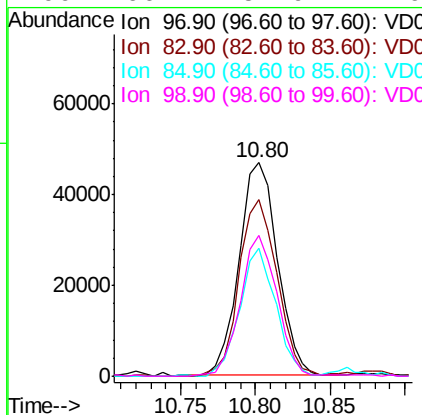
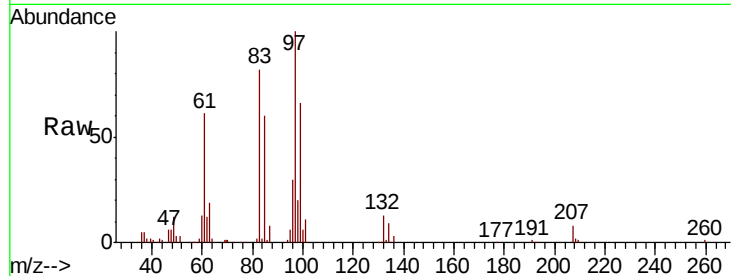
#55
 1,1,2-Trichloroethane
 Concen: 52.267 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. -0.00 min
 Lab File: VD063891.D
 Acq: 04 Oct 2019 18:06

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	83933
Ion	Ratio	Lower	Upper
97	100		
83	82.8	69.7	104.5
85	59.4	48.1	72.1
99	66.2	51.9	77.9

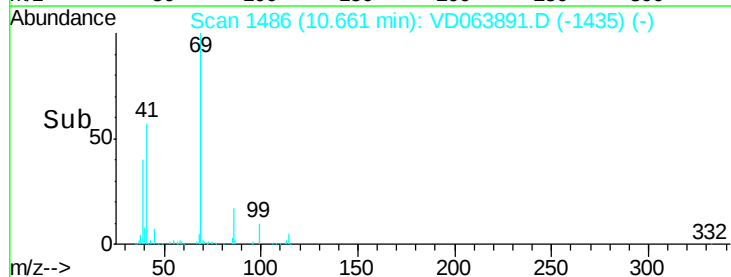
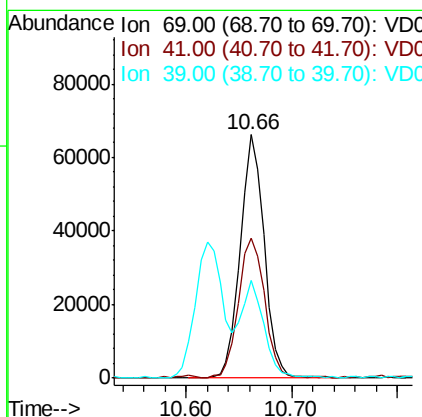
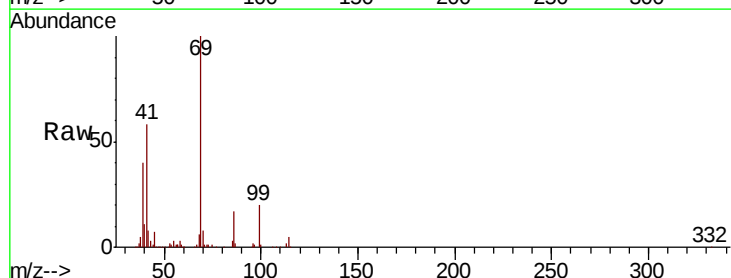
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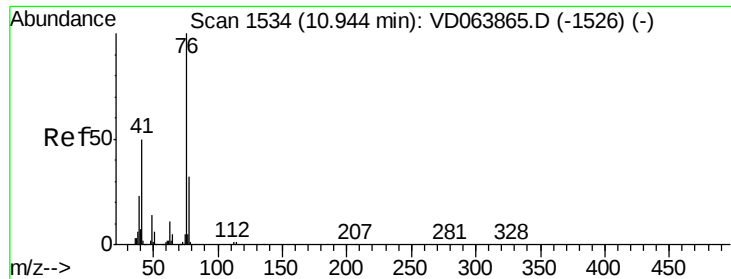
MMDadoda
 10/8/2019 3:11:47 PM



#56
 Ethyl methacrylate
 Concen: 51.249 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. -0.00 min
 Lab File: VD063891.D
 Acq: 04 Oct 2019 18:06

Tgt Ion:	69	Resp:	104220
Ion	Ratio	Lower	Upper
69	100		
41	62.3	51.3	76.9
39	37.4	28.0	42.0





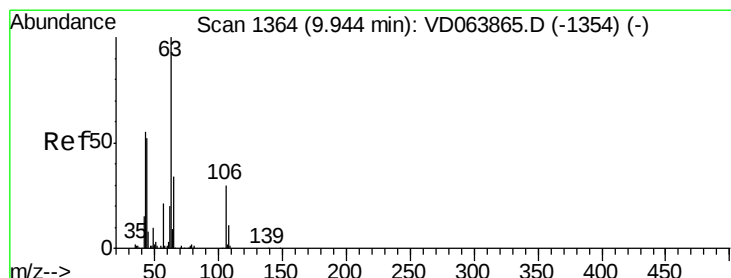
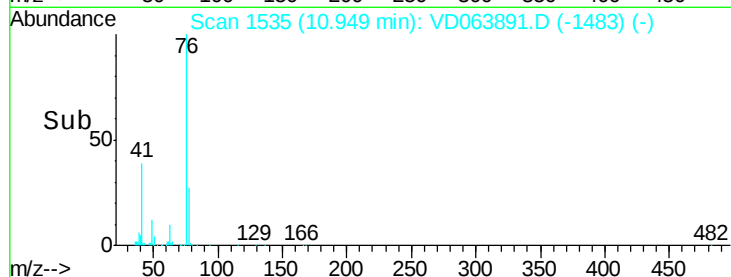
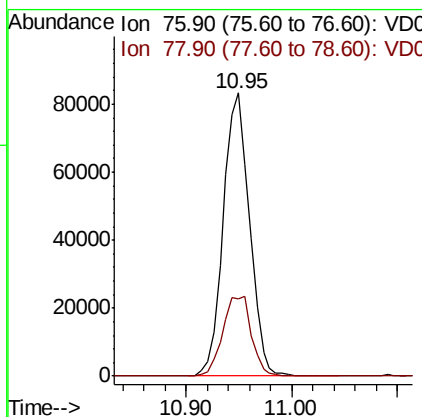
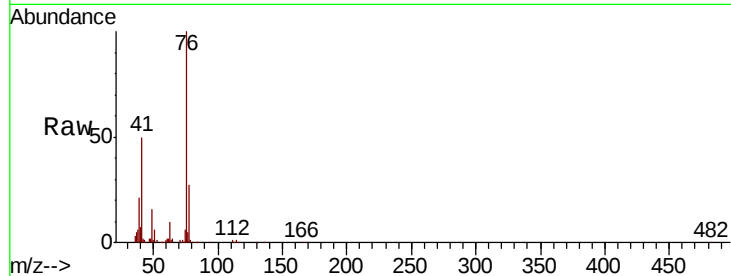
#57
 1,3-Dichloropropane
 Concen: 52.288 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.01 min
 Lab File: VD063891.D
 Acq: 04 Oct 2019 18:06

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 76 Resp: 143664
 Ion Ratio Lower Upper
 76 100
 78 30.6 26.6 40.0

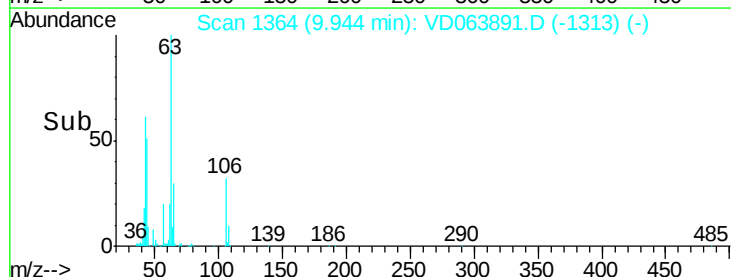
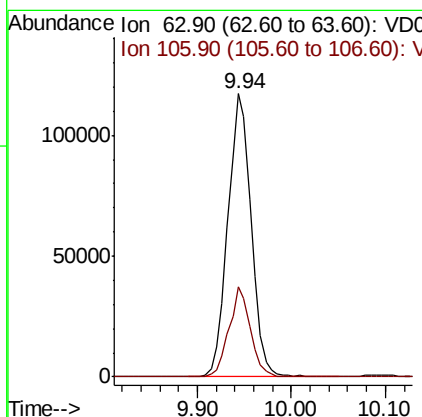
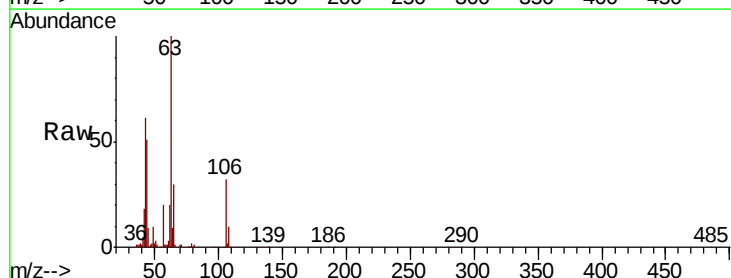
Manual Integrations
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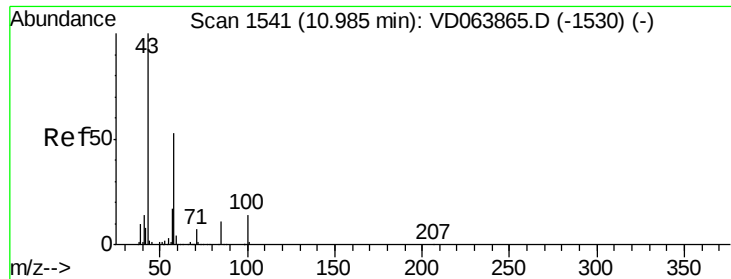
MMDadoda
 10/8/2019 3:11:47 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 230.497 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. -0.00 min
 Lab File: VD063891.D
 Acq: 04 Oct 2019 18:06

Tgt Ion: 63 Resp: 201482
 Ion Ratio Lower Upper
 63 100
 106 29.1 24.3 36.5





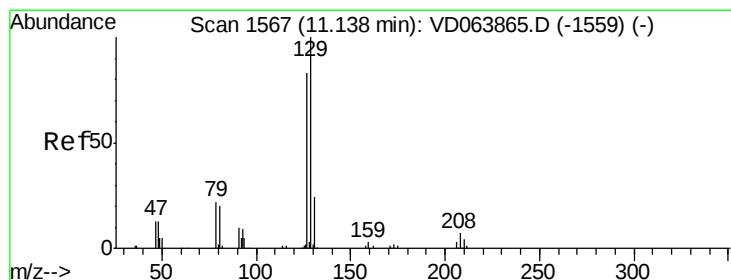
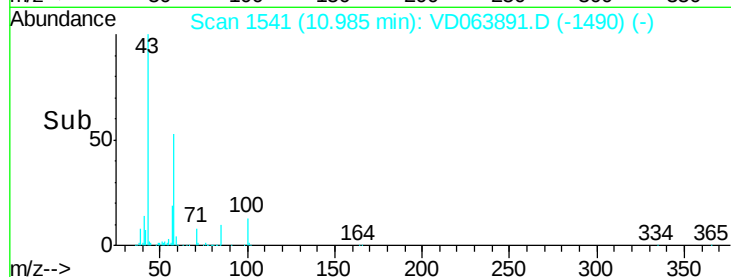
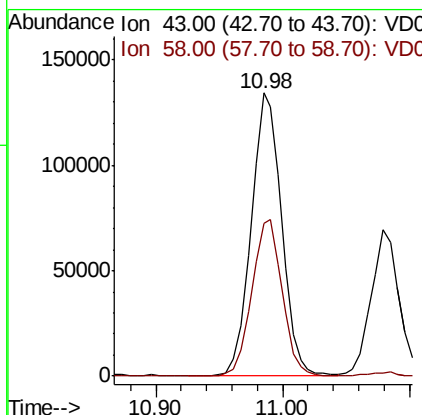
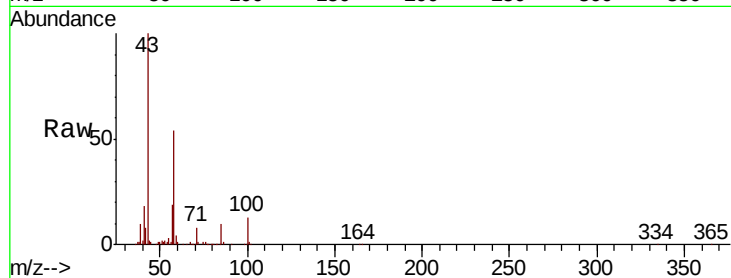
#59
2-Hexanone
Concen: 250.928 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. -0.00 min
Lab File: VD063891.D
Acq: 04 Oct 2019 18:06

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 224771
Ion Ratio Lower Upper
43 100
58 55.1 27.7 83.0

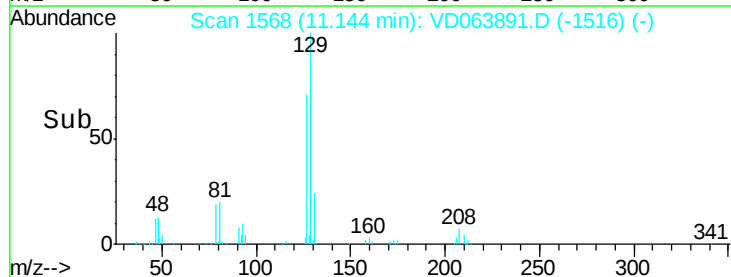
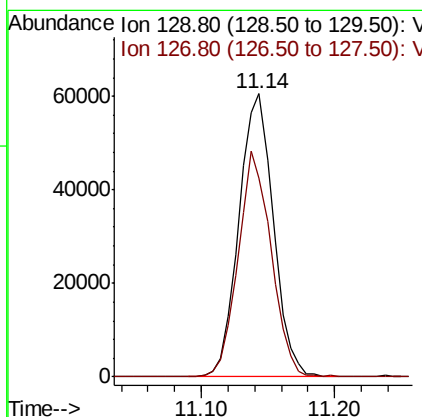
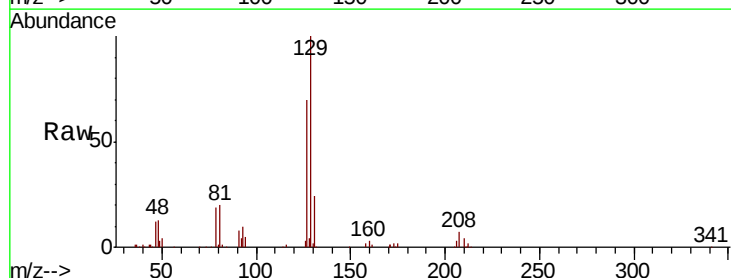
Manual Integrations
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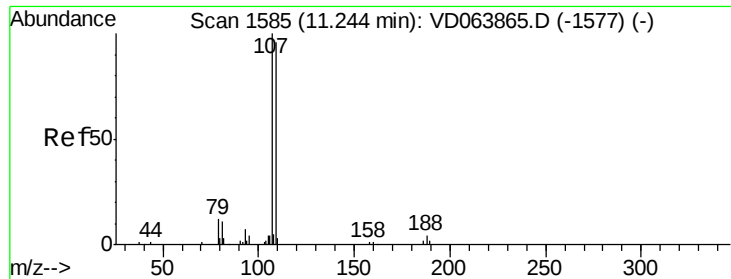
MMDadoda
10/8/2019 3:11:47 PM



#60
Dibromochloromethane
Concen: 51.590 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.01 min
Lab File: VD063891.D
Acq: 04 Oct 2019 18:06

Tgt Ion: 129 Resp: 107858
Ion Ratio Lower Upper
129 100
127 76.6 39.9 119.6





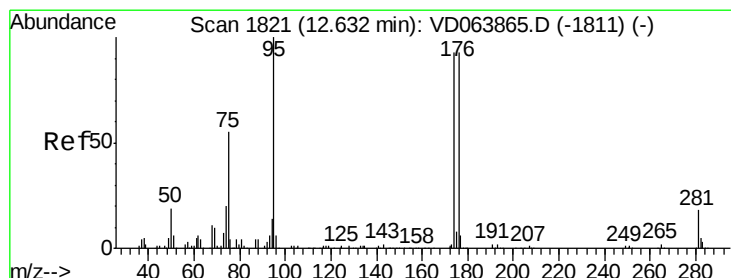
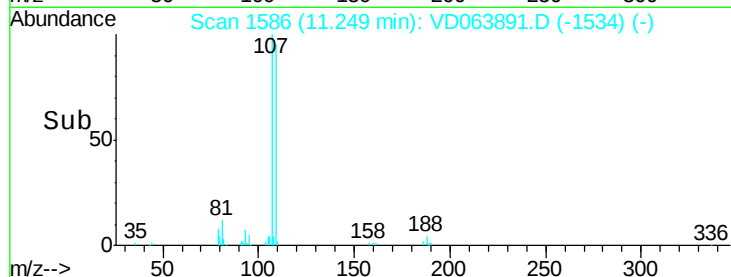
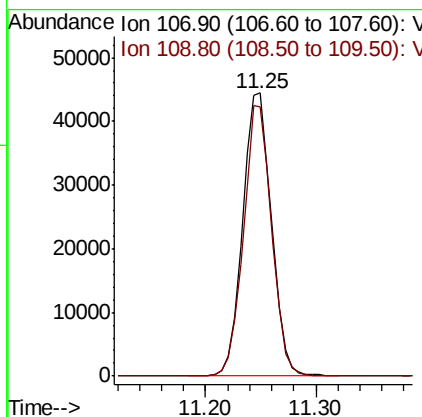
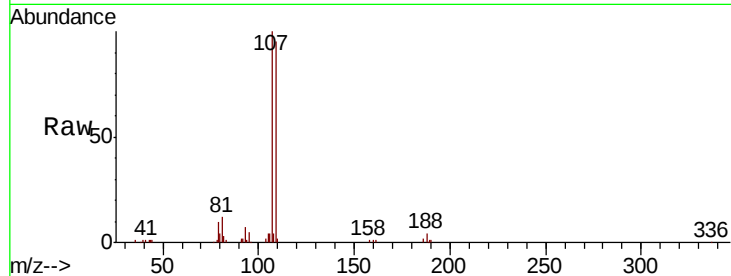
#61
 1,2-Dibromoethane
 Concen: 52.363 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.01 min
 Lab File: VD063891.D
 Acq: 04 Oct 2019 18:06

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.4	75.2	112.8

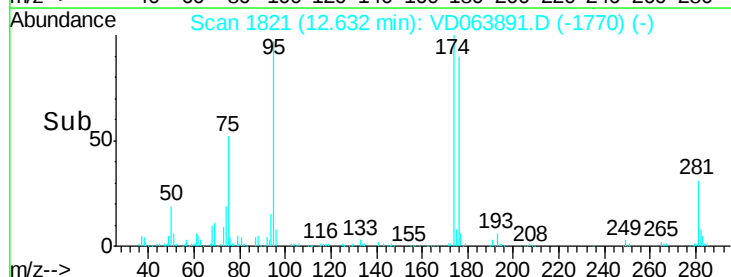
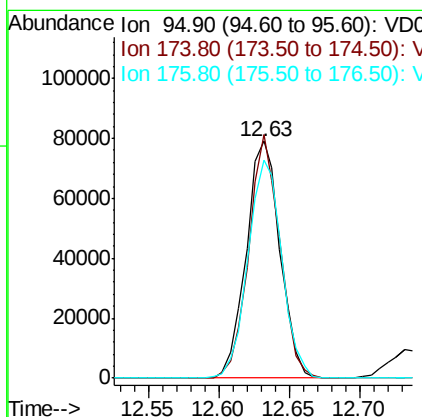
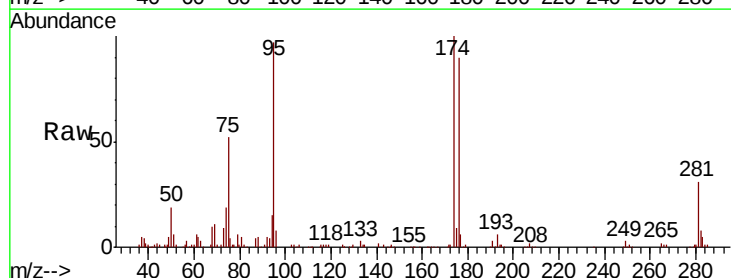
Manual Integrations
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#62
 4-Bromofluorobenzene
 Concen: 49.567 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. -0.00 min
 Lab File: VD063891.D
 Acq: 04 Oct 2019 18:06

Tgt Ion	Ratio	Lower	Upper
95	100		
174	94.1	0.0	186.4
176	92.2	0.0	184.2





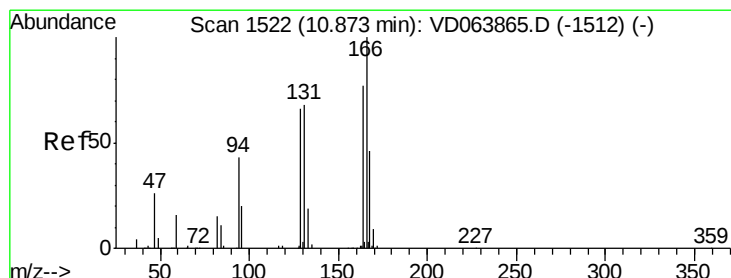
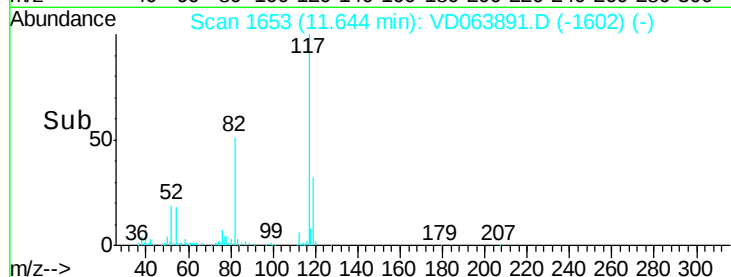
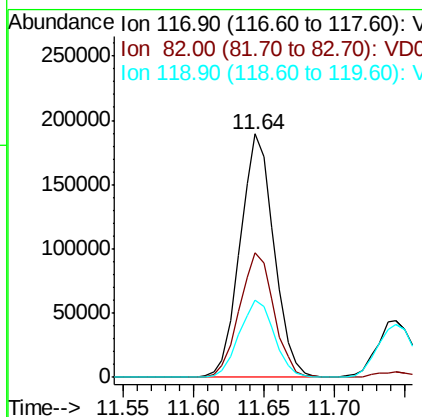
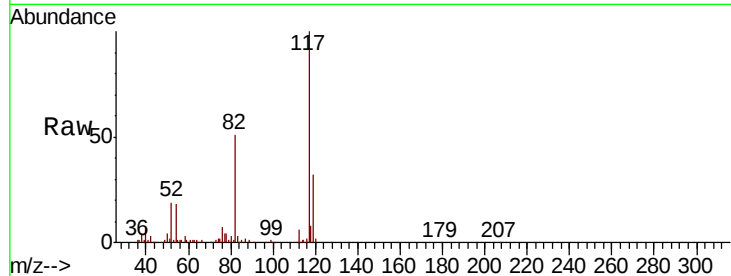
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VD063891.D
Acq: 04 Oct 2019 18:06

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.1	42.8	64.2
119	31.6	24.4	36.6

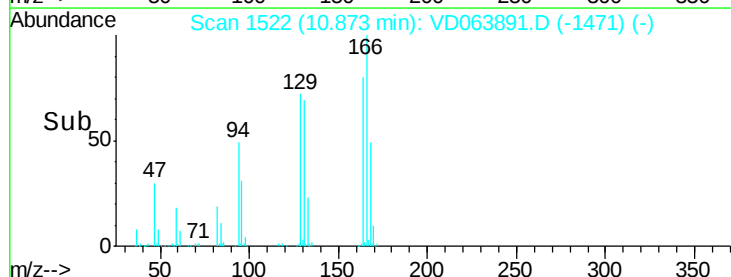
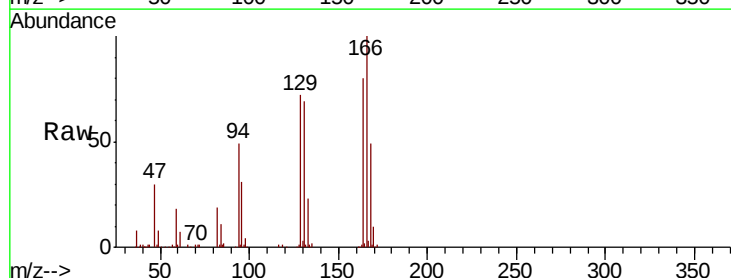
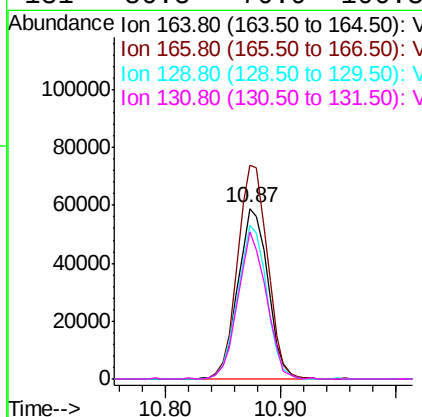
Manual Integrations
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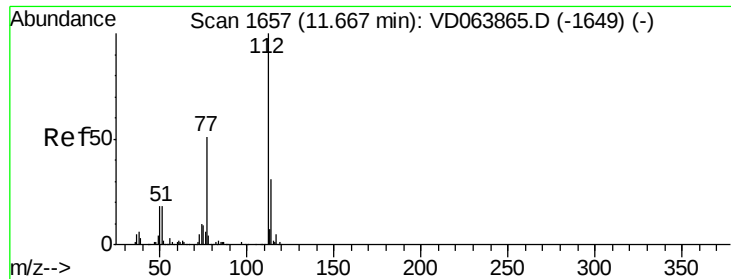
MMDadoda
10/8/2019 3:11:47 PM



#64
Tetrachloroethene
Concen: 49.011 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. -0.00 min
Lab File: VD063891.D
Acq: 04 Oct 2019 18:06

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.3	103.8	155.6
129	90.0	68.9	103.3
131	86.5	70.9	106.3





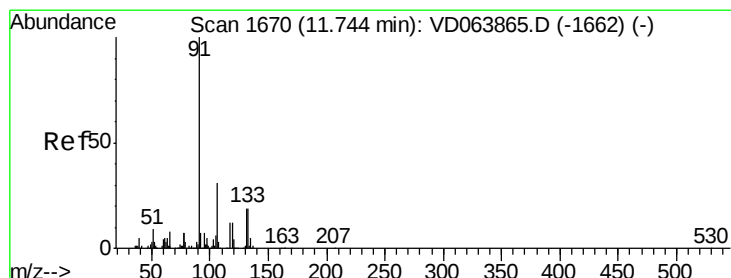
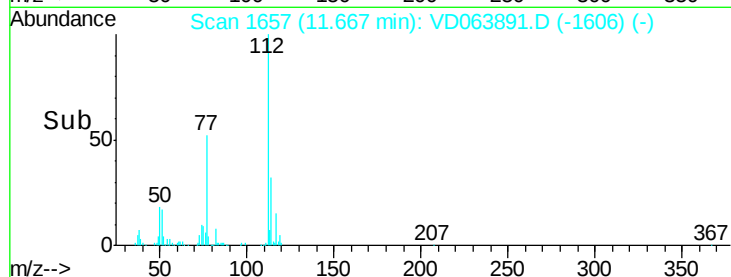
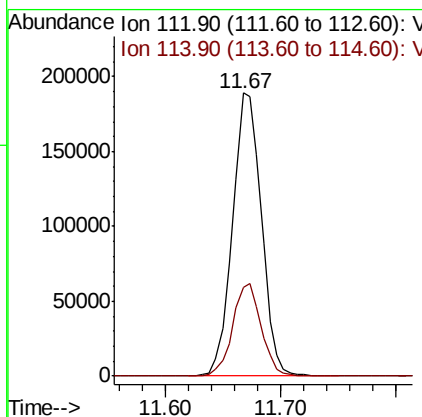
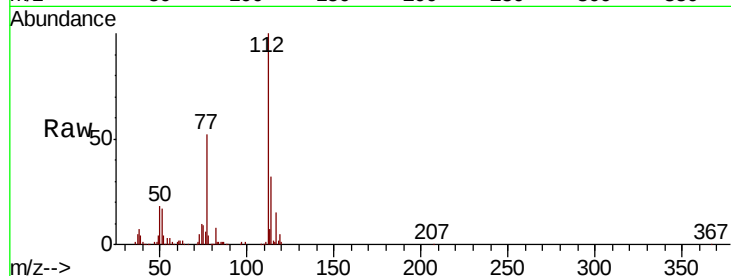
#65
Chlorobenzene
Concen: 51.278 ug/l
RT: 11.67 min Scan# 1657
Delta R.T. -0.00 min
Lab File: VD063891.D
Acq: 04 Oct 2019 18:06

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 326774
Ion Ratio Lower Upper
112 100
114 31.5 25.1 37.7

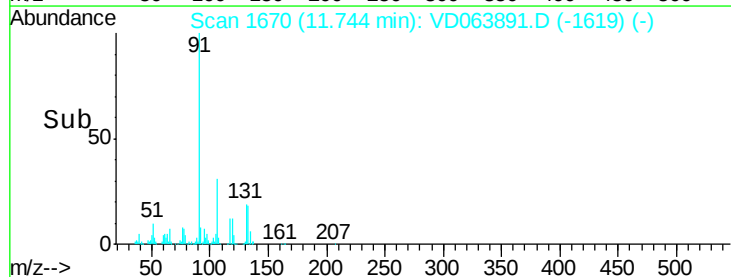
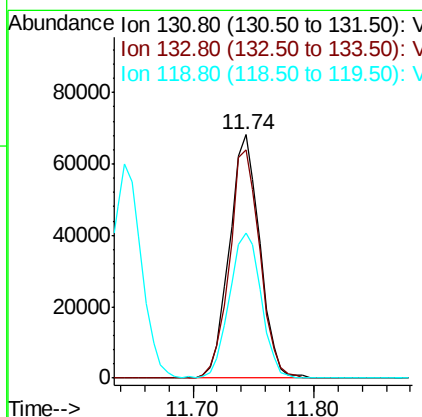
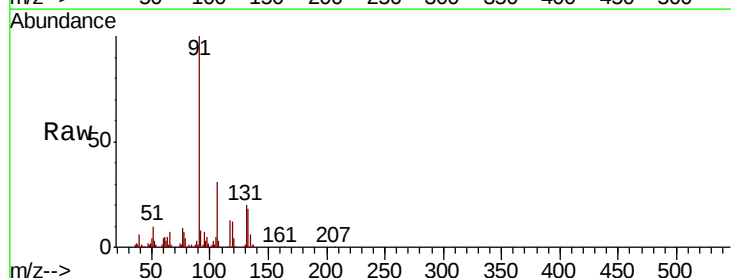
Manual Integrations
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#66
1,1,1,2-Tetrachloroethane
Concen: 50.800 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. -0.00 min
Lab File: VD063891.D
Acq: 04 Oct 2019 18:06

Tgt Ion:131 Resp: 119285
Ion Ratio Lower Upper
131 100
133 93.8 48.9 146.7
119 62.3 32.6 97.8





#67

Ethyl Benzene

Concen: 50.343 ug/l

RT: 11.74 min Scan# 1670

Delta R.T. -0.00 min

Lab File: VD063891.D

Acq: 04 Oct 2019 18:06

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 578483

Ion Ratio Lower Upper

91 100

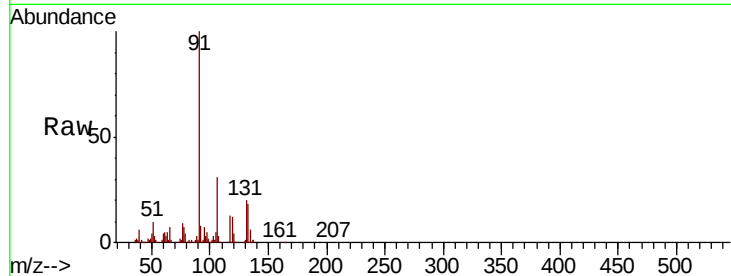
106 30.9 24.6 37.0

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VD063891.D (-1619) (-)

Ion 106.00 (105.70 to 106.70): VD063891.D (-1619) (-)

500000

400000

300000

200000

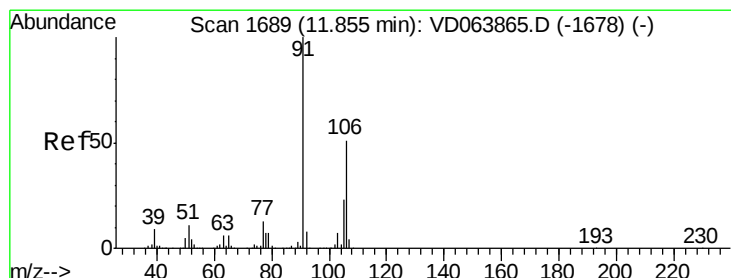
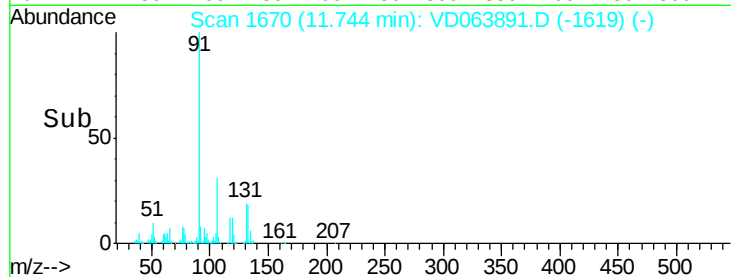
100000

0

11.74

11.80

Time-->



#68

m/p-Xylenes

Concen: 100.590 ug/l

RT: 11.85 min Scan# 1688

Delta R.T. -0.01 min

Lab File: VD063891.D

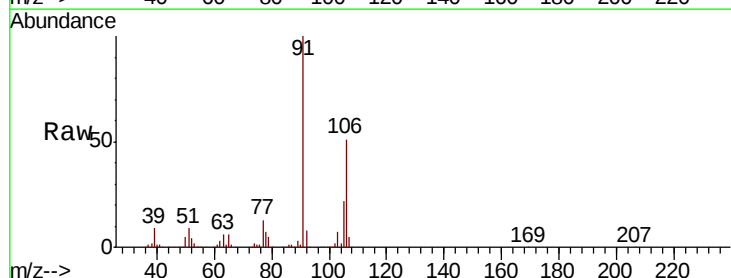
Acq: 04 Oct 2019 18:06

Tgt Ion: 106 Resp: 446139

Ion Ratio Lower Upper

106 100

91 193.5 154.8 232.2



Abundance Ion 106.00 (105.70 to 106.70): VD063891.D (-1638) (-)

Ion 91.00 (90.70 to 91.70): VD063891.D (-1638) (-)

500000

400000

300000

200000

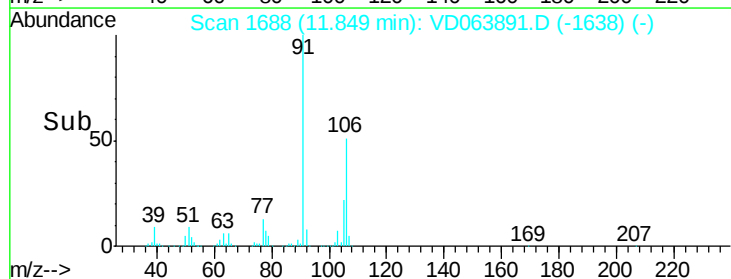
100000

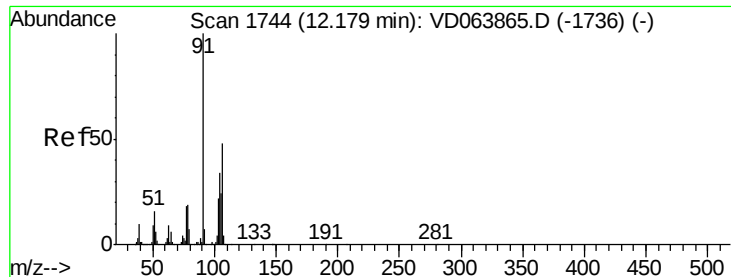
0

11.85

11.90

Time-->





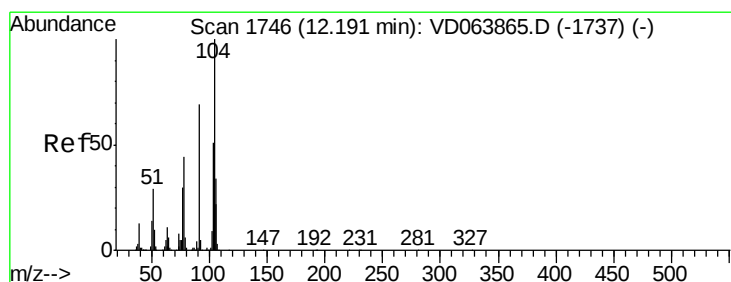
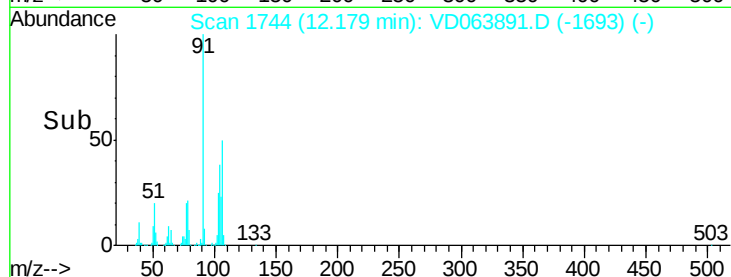
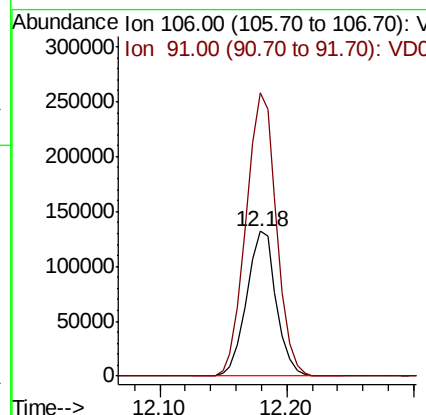
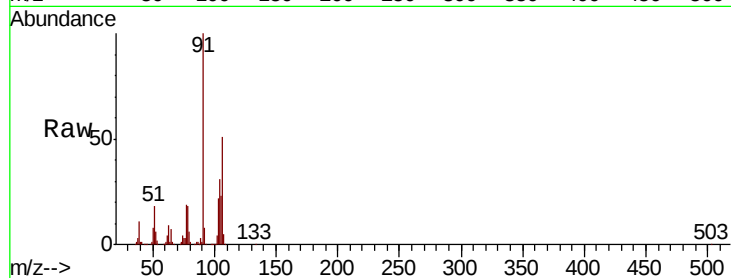
#69
o-Xylene
Concen: 50.251 ug/l
RT: 12.18 min Scan# 1744
Delta R.T. -0.00 min
Lab File: VD063891.D
Acq: 04 Oct 2019 18:06

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
106	100		
91	201.5	103.9	311.7

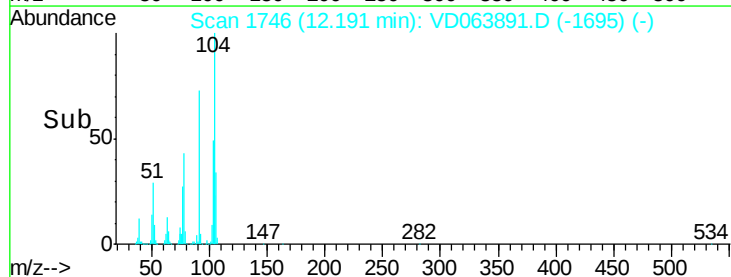
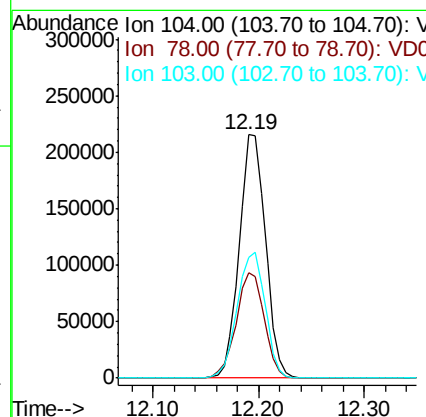
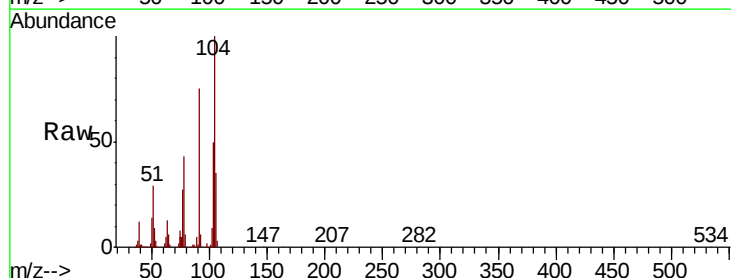
Manual Integrations
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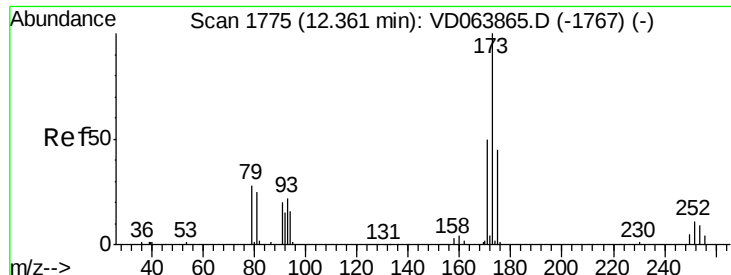
MMDadoda
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#70
Styrene
Concen: 51.508 ug/l
RT: 12.19 min Scan# 1746
Delta R.T. -0.00 min
Lab File: VD063891.D
Acq: 04 Oct 2019 18:06

Tgt Ion	Ratio	Lower	Upper
104	100		
78	46.4	37.0	55.4
103	55.2	44.2	66.4





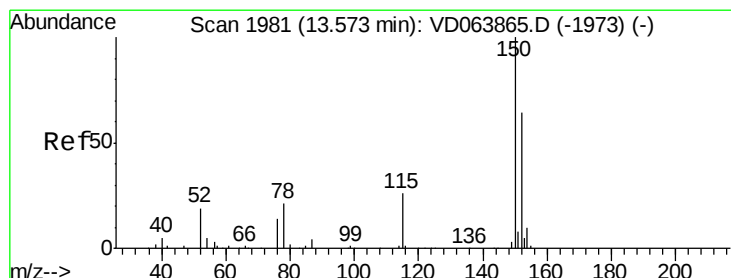
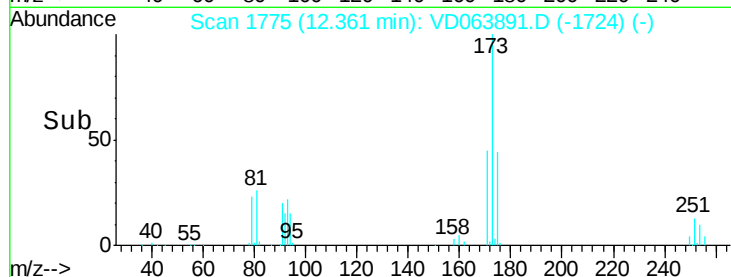
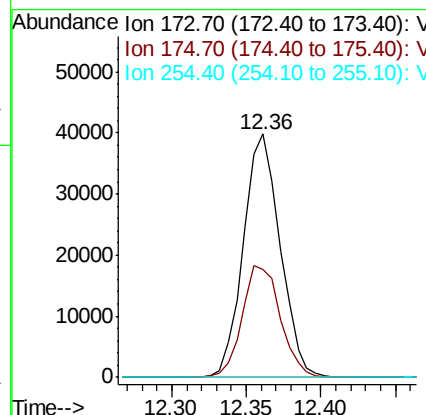
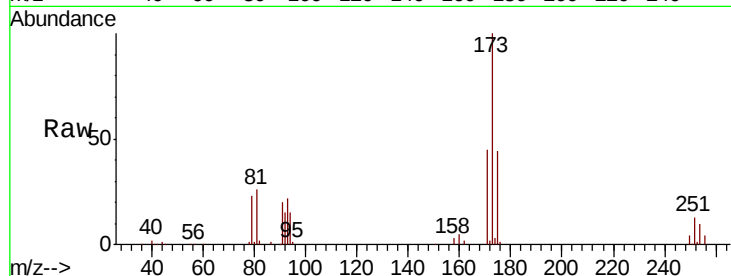
#71
Bromoform
Concen: 53.860 ug/l
RT: 12.36 min Scan# 1775
Delta R.T. -0.00 min
Lab File: VD063891.D
Acq: 04 Oct 2019 18:06

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.5	24.6	74.0
254	0.0	0.0	0.0

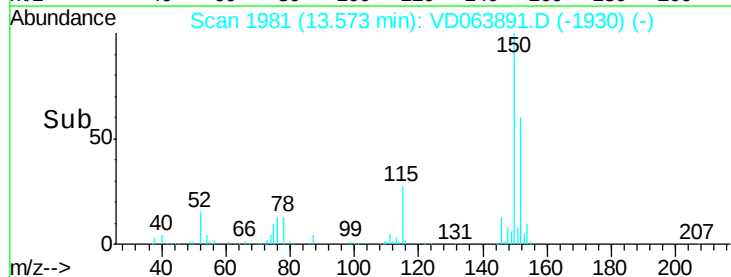
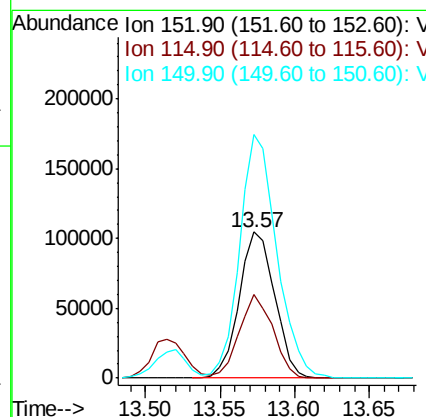
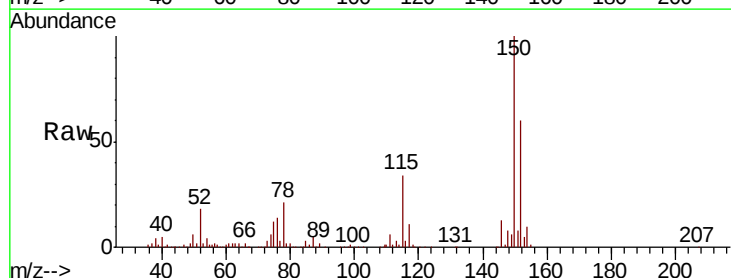
Manual Integrations
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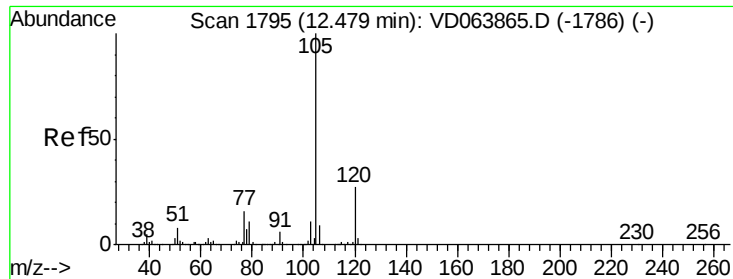
MMDadoda
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1981
Delta R.T. -0.00 min
Lab File: VD063891.D
Acq: 04 Oct 2019 18:06

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.5	25.9	77.7
150	173.7	0.0	344.2





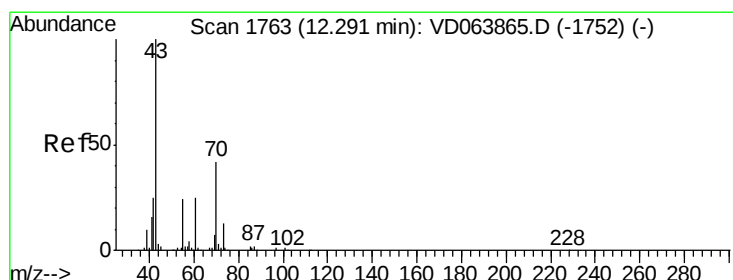
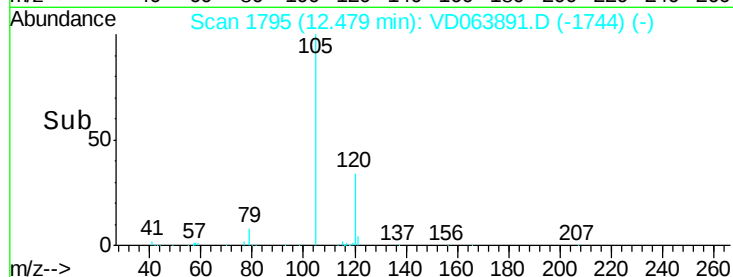
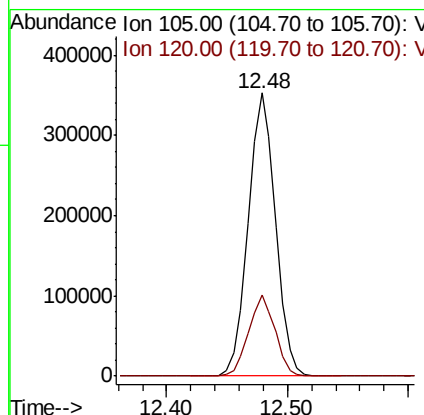
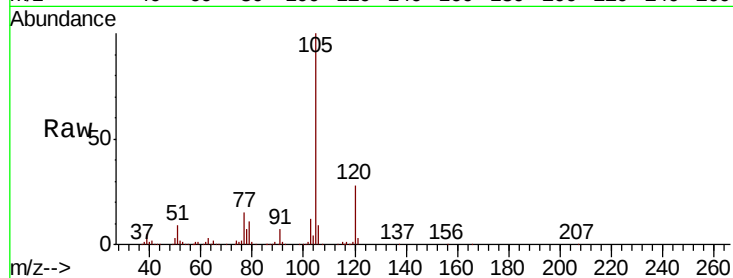
#73
Isopropylbenzene
Concen: 47.867 ug/l
RT: 12.48 min Scan# 1795
Delta R.T. -0.00 min
Lab File: VD063891.D
Acq: 04 Oct 2019 18:06

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
105	100		
120	27.7	13.3	39.8

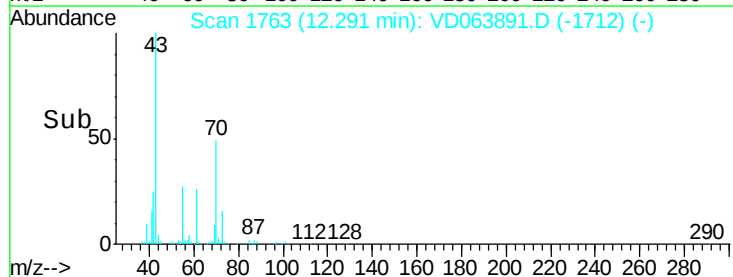
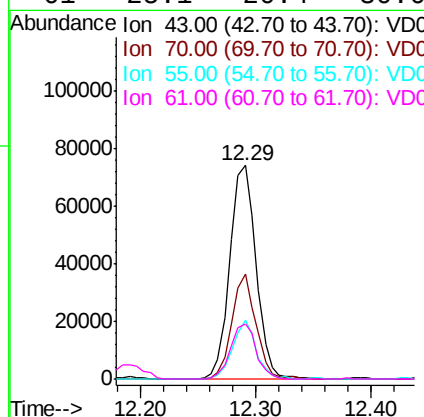
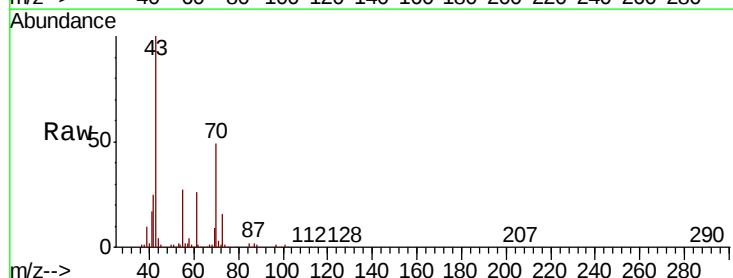
Manual Integrations
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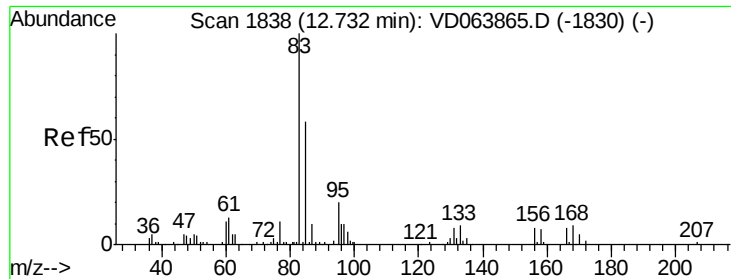
MMDadoda
10/8/2019 3:11:47 PM



#74
N-ethyl acetate
Concen: 46.741 ug/l
RT: 12.29 min Scan# 1763
Delta R.T. -0.00 min
Lab File: VD063891.D
Acq: 04 Oct 2019 18:06

Tgt Ion	Ratio	Lower	Upper
43	100		
70	45.0	35.8	53.6
55	24.7	19.4	29.0
61	25.1	20.4	30.6





#75

1,1,2,2-Tetrachloroethane

Concen: 47.965 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. -0.00 min

Lab File: VD063891.D

Acq: 04 Oct 2019 18:06

Instrument :

MSVOA_D

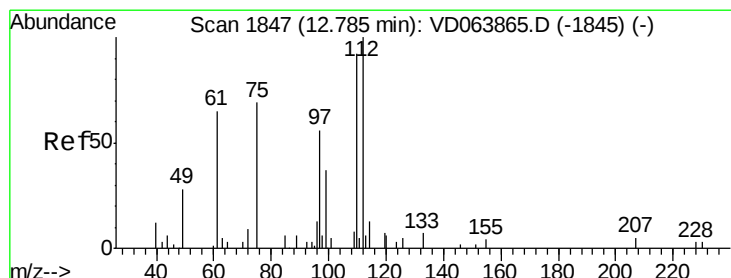
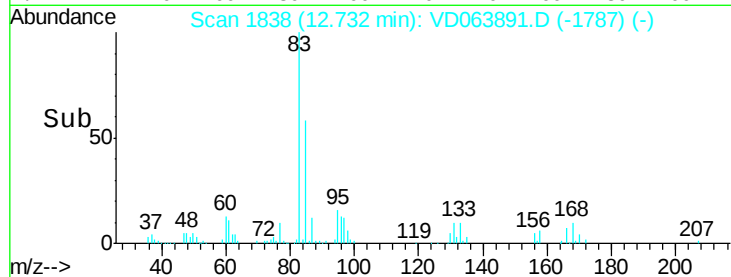
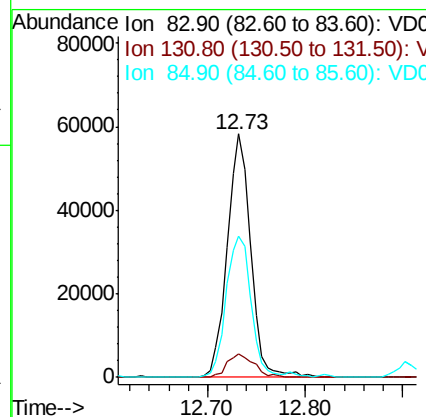
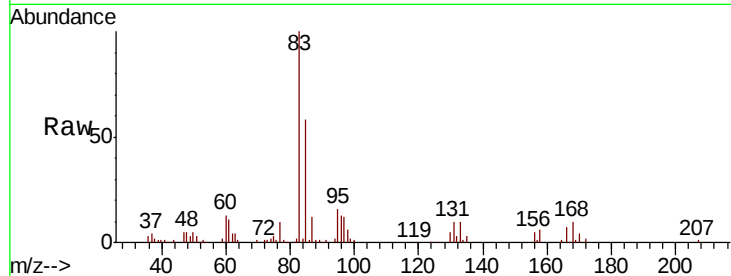
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	97213
Ion Ratio	Lower	Upper	
83	100		
131	11.2	5.6	16.8
85	61.4	32.3	96.8

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 46.874 ug/l m

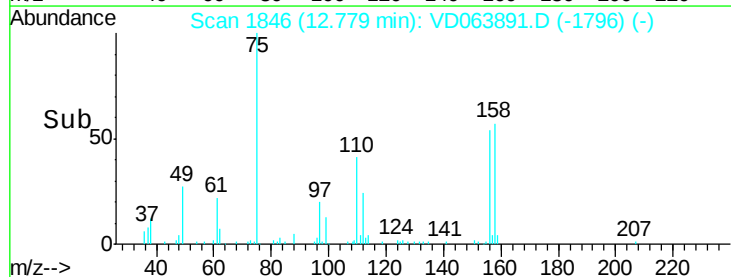
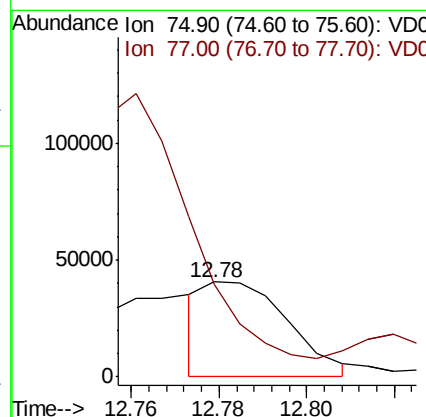
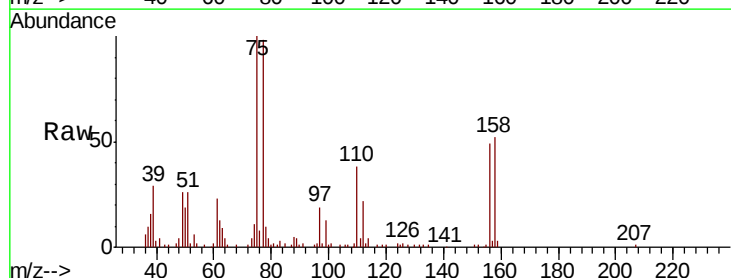
RT: 12.78 min Scan# 1846

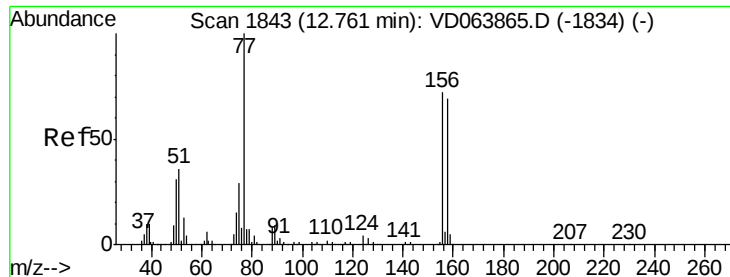
Delta R.T. -0.01 min

Lab File: VD063891.D

Acq: 04 Oct 2019 18:06

Tgt Ion:	75	Resp:	54393
Ion Ratio	Lower	Upper	
75	100		
77	417.3	0.0	0.0#





#77

Bromobenzene

Concen: 48.235 ug/l

RT: 12.76 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VD063891.D

Acq: 04 Oct 2019 18:06

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:156 Resp: 139969

Ion Ratio Lower Upper

156 100

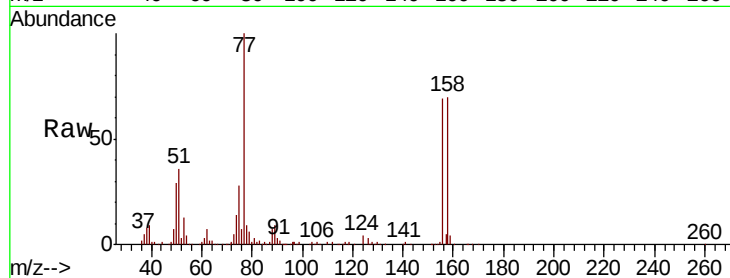
77 162.2 80.3 241.0

158 97.5 47.4 142.2

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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V

150000

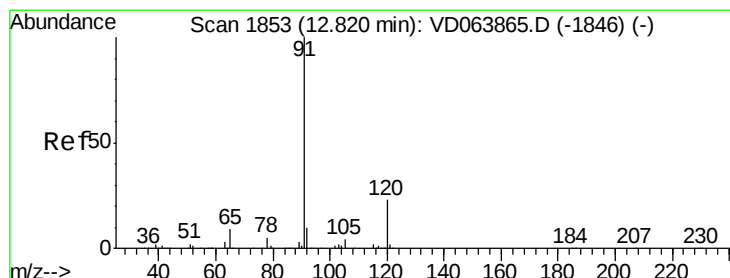
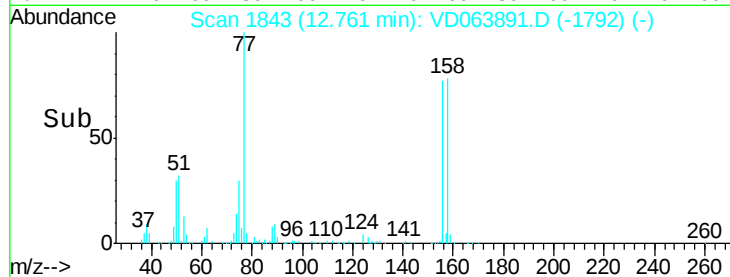
100000

50000

0

12.70 12.75 12.80

Time-->



#78

n-propylbenzene

Concen: 49.123 ug/l

RT: 12.82 min Scan# 1853

Delta R.T. -0.00 min

Lab File: VD063891.D

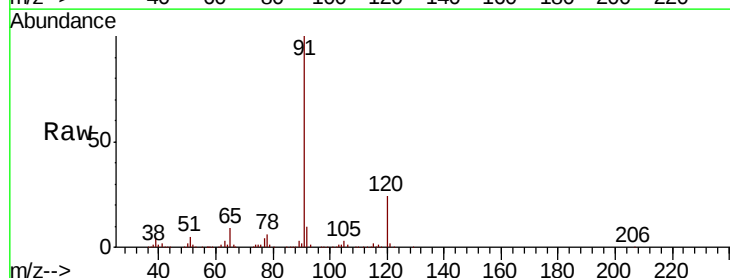
Acq: 04 Oct 2019 18:06

Tgt Ion: 91 Resp: 671577

Ion Ratio Lower Upper

91 100

120 24.0 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V

500000

400000

300000

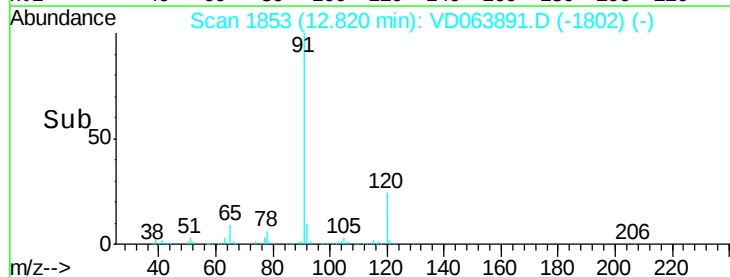
200000

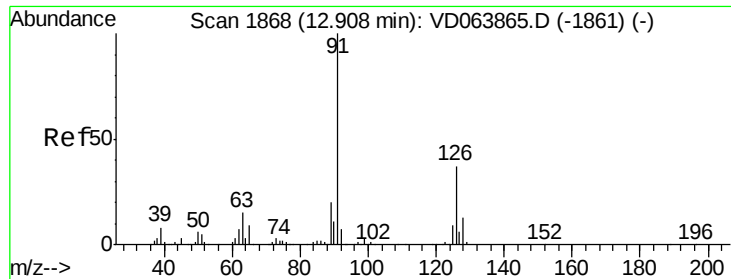
100000

0

12.75 12.80 12.85

Time-->





#79

2-Chlorotoluene

Concen: 47.772 ug/l

RT: 12.91 min Scan# 1868

Delta R.T. -0.00 min

Lab File: VD063891.D

Acq: 04 Oct 2019 18:06

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 360118

Ion Ratio Lower Upper

91 100

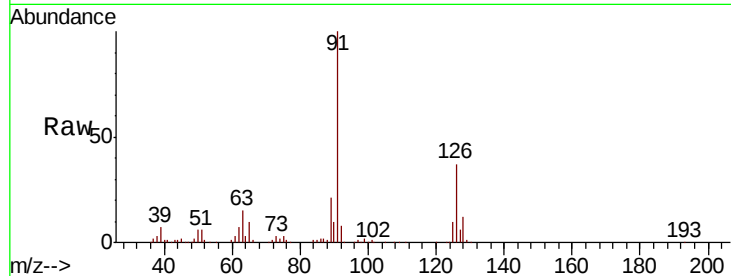
126 37.6 18.4 55.2

Manual Integrations

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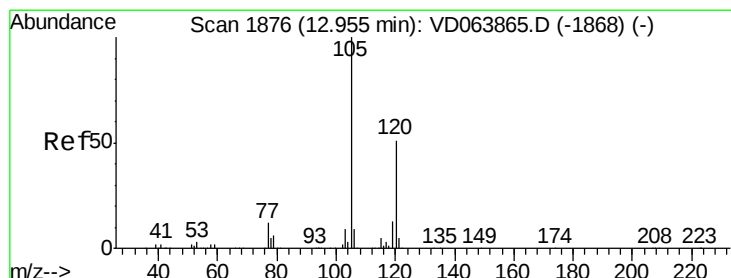
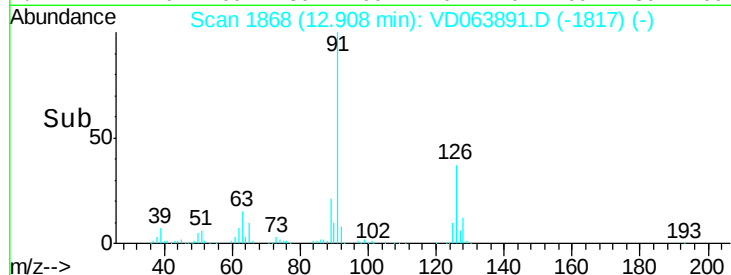
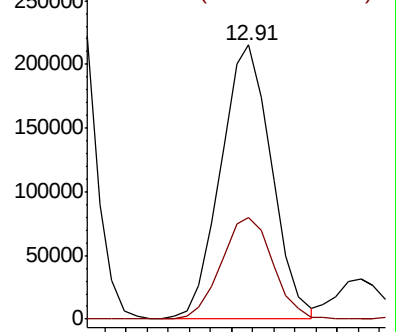
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Abundance Ion 91.00 (90.70 to 91.70): VD063891.D (-1817) (-)

Ion 125.90 (125.60 to 126.60): VD063891.D (-1817) (-)



#80

1,3,5-Trimethylbenzene

Concen: 49.003 ug/l

RT: 12.96 min Scan# 1877

Delta R.T. 0.01 min

Lab File: VD063891.D

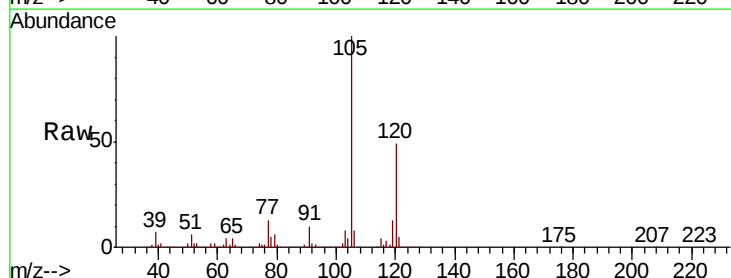
Acq: 04 Oct 2019 18:06

Tgt Ion: 105 Resp: 476162

Ion Ratio Lower Upper

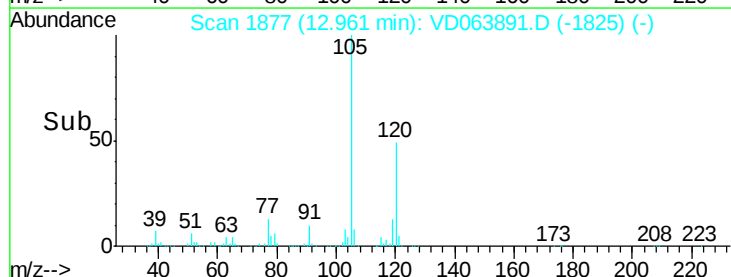
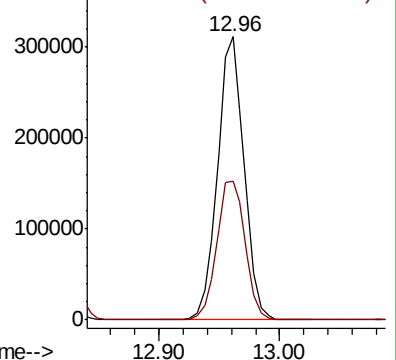
105 100

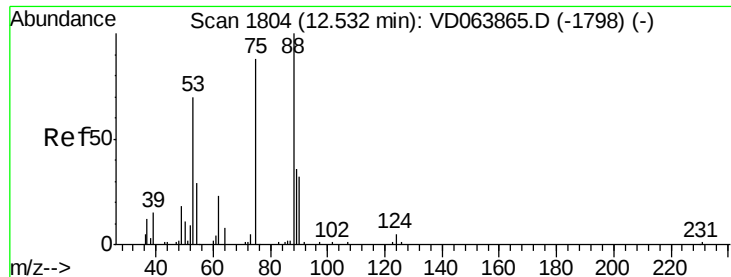
120 52.4 25.9 77.8



Abundance Ion 105.00 (104.70 to 105.70): VD063891.D (-1825) (-)

Ion 120.00 (119.70 to 120.70): VD063891.D (-1825) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 49.924 ug/l

RT: 12.53 min Scan# 1803

Delta R.T. -0.01 min

Lab File: VD063891.D

Acq: 04 Oct 2019 18:06

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 32738

Ion Ratio Lower Upper

75 100

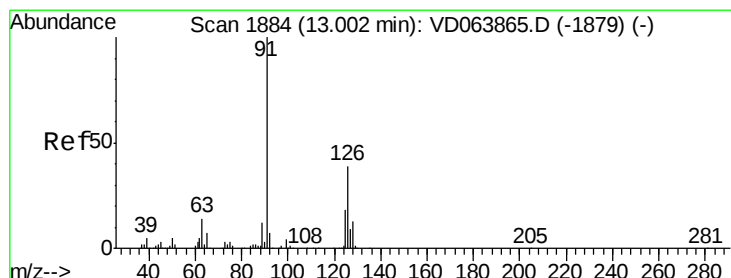
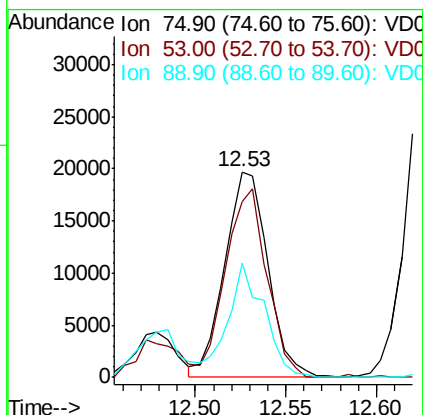
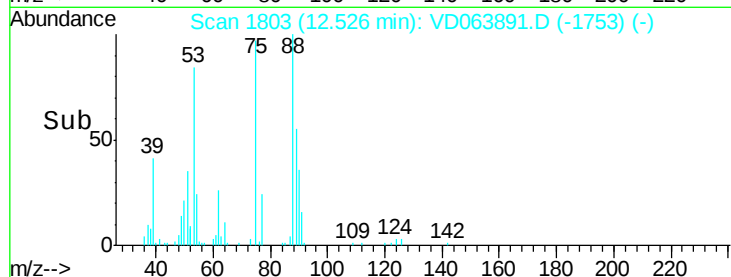
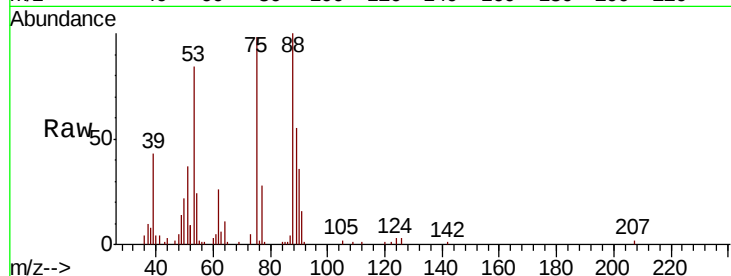
53 86.9 75.0 112.6

89 46.7 38.2 57.4

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#82

4-Chlorotoluene

Concen: 48.282 ug/l

RT: 13.01 min Scan# 1885

Delta R.T. 0.01 min

Lab File: VD063891.D

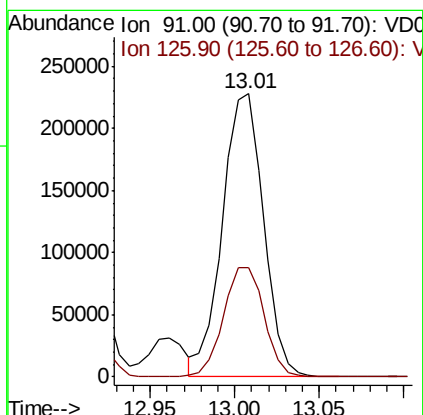
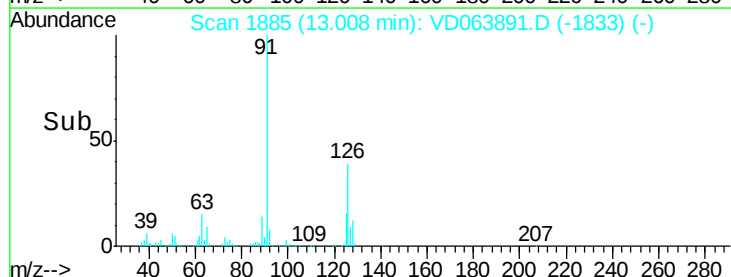
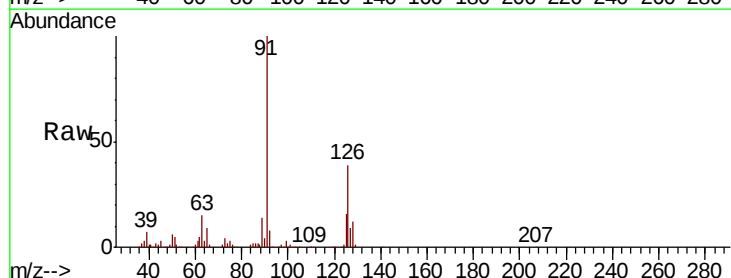
Acq: 04 Oct 2019 18:06

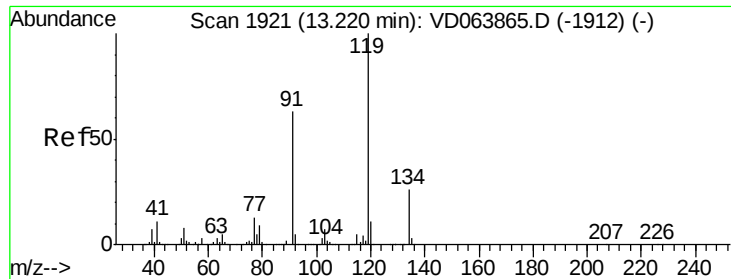
Tgt Ion: 91 Resp: 386097

Ion Ratio Lower Upper

91 100

126 38.5 18.6 55.8





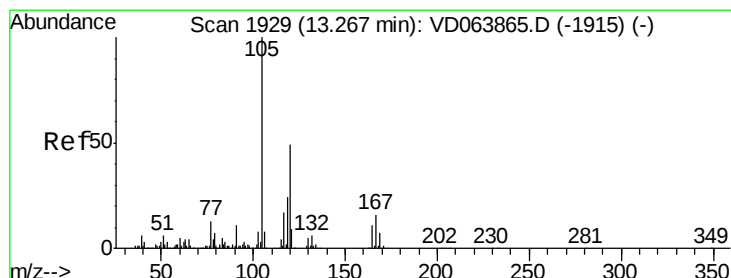
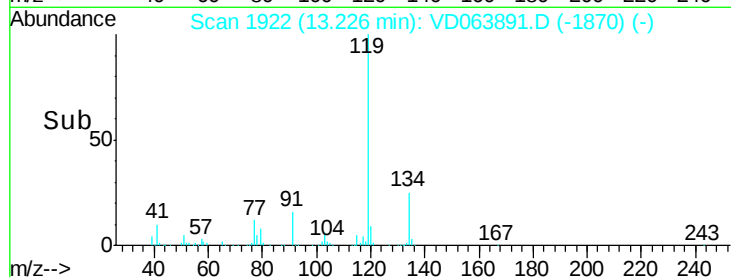
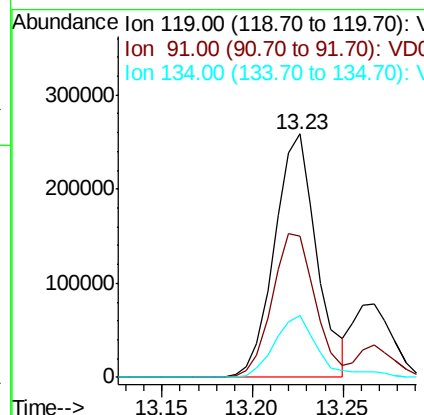
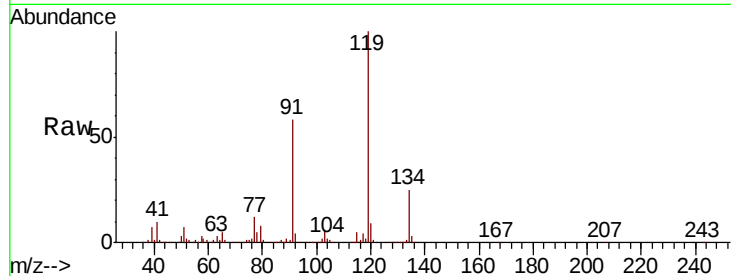
#83
tert-Butylbenzene
Concen: 48.452 ug/l
RT: 13.23 min Scan# 1922
Delta R.T. 0.01 min
Lab File: VD063891.D
Acq: 04 Oct 2019 18:06

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	60.3	30.0	90.0
134	27.0	13.0	38.9

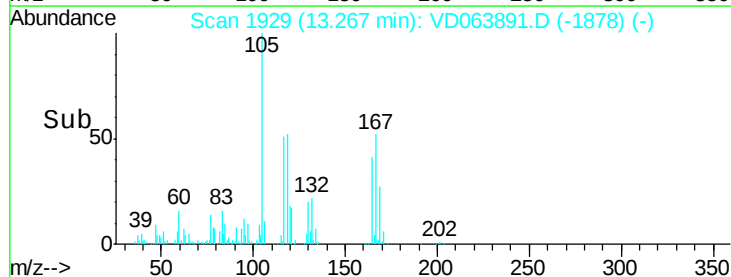
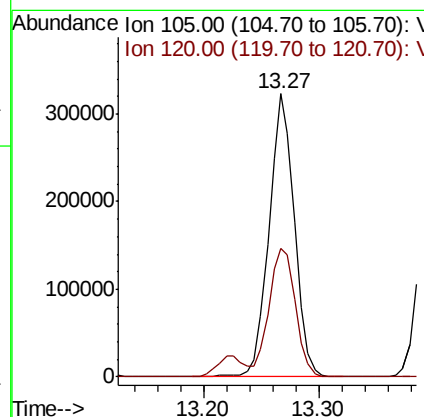
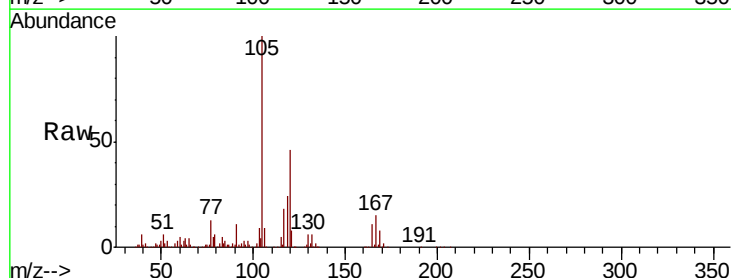
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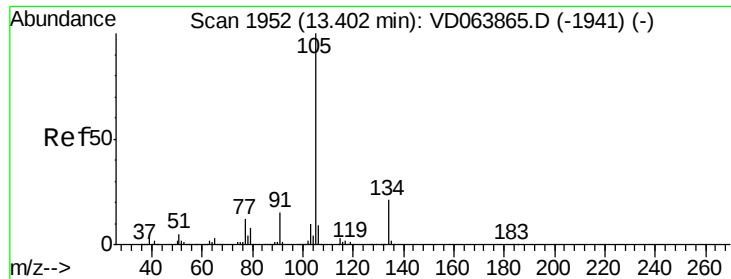
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#84
1,2,4-Trimethylbenzene
Concen: 49.242 ug/l
RT: 13.27 min Scan# 1929
Delta R.T. -0.00 min
Lab File: VD063891.D
Acq: 04 Oct 2019 18:06

Tgt Ion	Ratio	Lower	Upper
105	100		
120	48.0	23.8	71.5





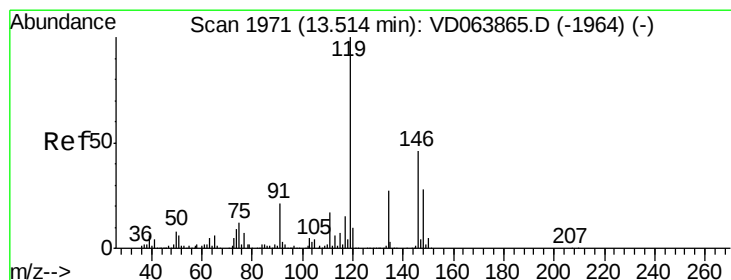
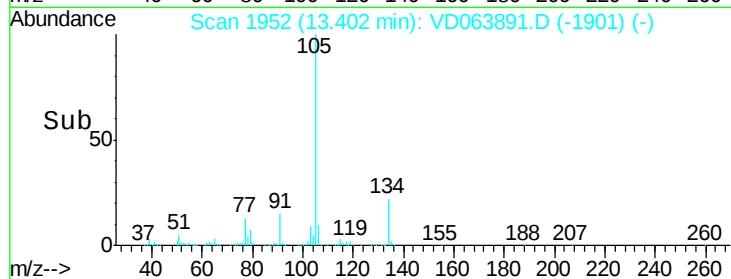
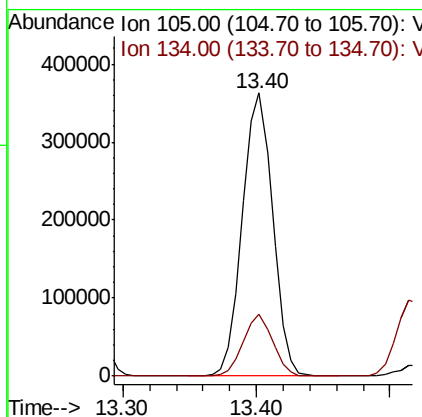
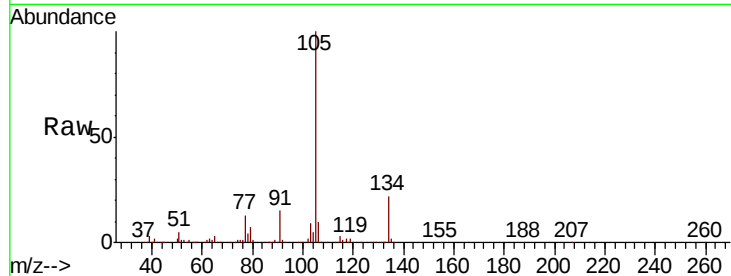
#85
 sec-Butylbenzene
 Concen: 48.731 ug/l
 RT: 13.40 min Scan# 1952
 Delta R.T. -0.00 min
 Lab File: VD063891.D
 Acq: 04 Oct 2019 18:06

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
105	100		
134	21.3	10.6	31.8

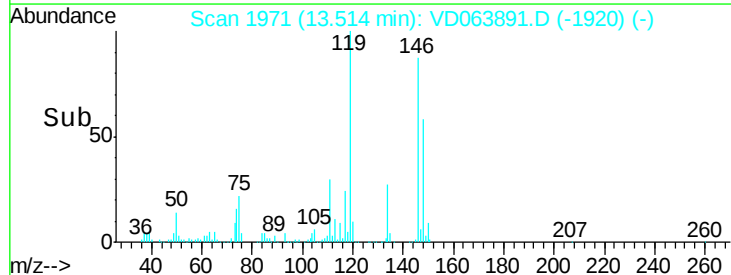
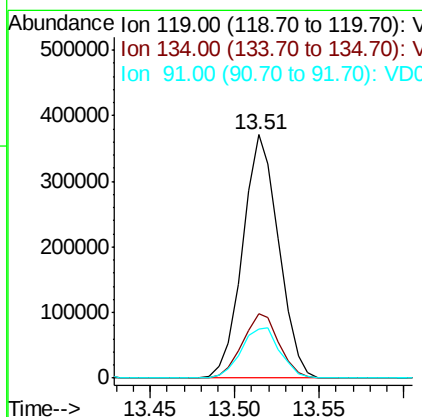
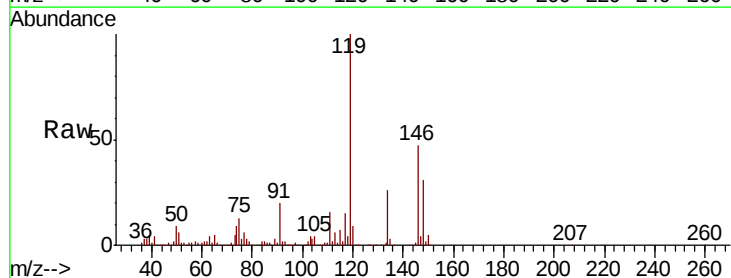
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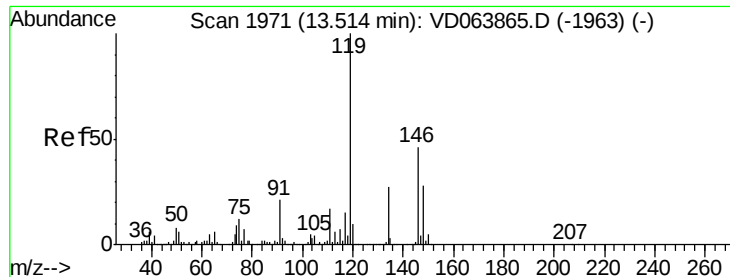
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#86
 p-Isopropyltoluene
 Concen: 49.878 ug/l
 RT: 13.51 min Scan# 1971
 Delta R.T. -0.00 min
 Lab File: VD063891.D
 Acq: 04 Oct 2019 18:06

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.8	13.9	41.6
91	22.1	11.2	33.5





#87

1,3-Dichlorobenzene

Concen: 48.724 ug/l

RT: 13.51 min Scan# 1971

Delta R.T. -0.00 min

Lab File: VD063891.D

Acq: 04 Oct 2019 18:06

Instrument :

MSVOA_D

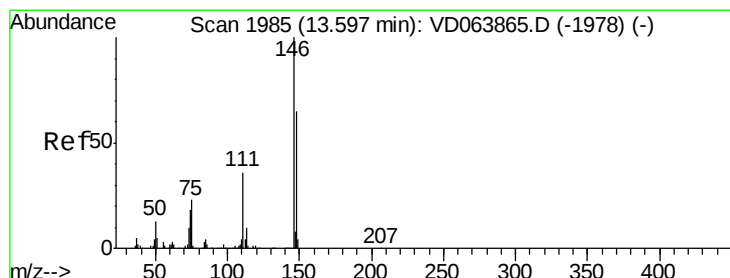
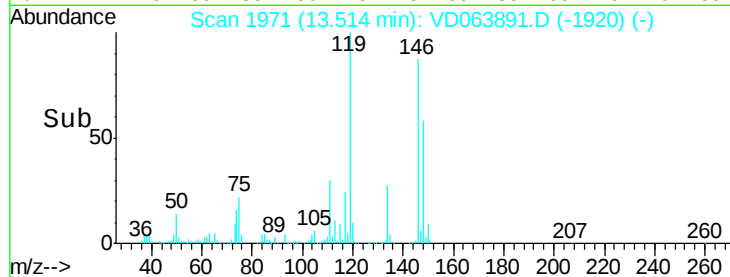
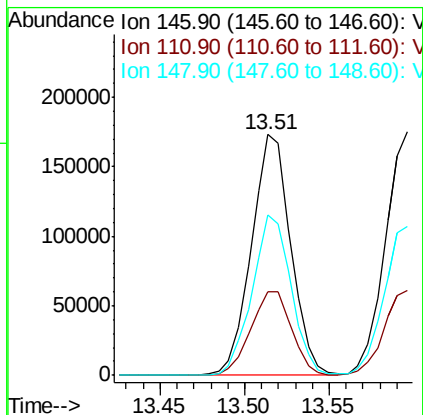
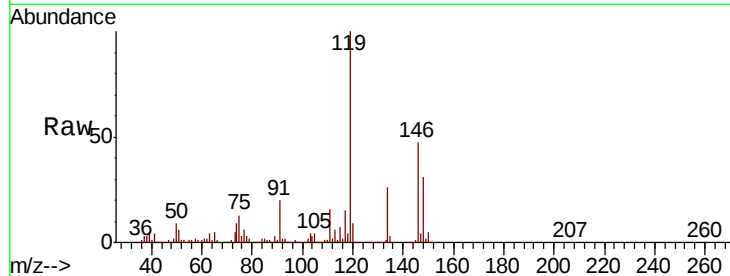
ClientSampleId :

VSTDCCC050EC

Tot Ion:	146	Resp:	279364
Ion Ratio	Lower	Upper	
146	100		
111	36.2	18.3	54.9
148	65.8	31.8	95.4

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 49.203 ug/l

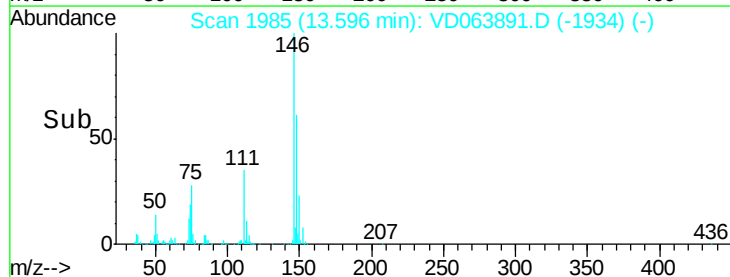
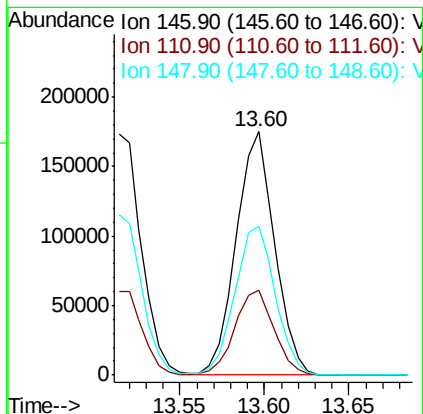
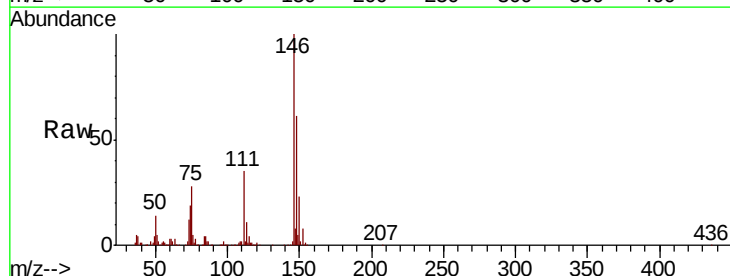
RT: 13.60 min Scan# 1985

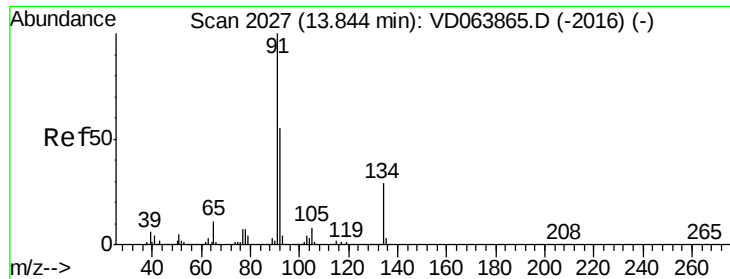
Delta R.T. -0.00 min

Lab File: VD063891.D

Acq: 04 Oct 2019 18:06

Tgt Ion:	146	Resp:	278313
Ion Ratio	Lower	Upper	
146	100		
111	35.8	18.6	56.0
148	64.0	32.6	98.0





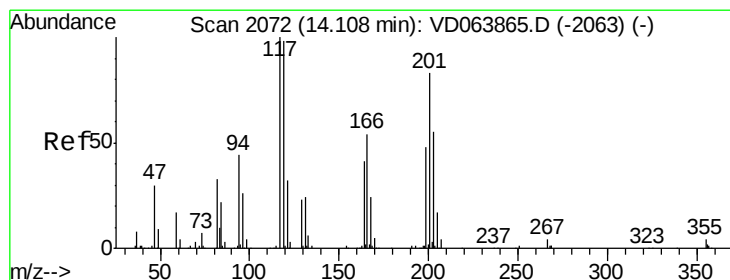
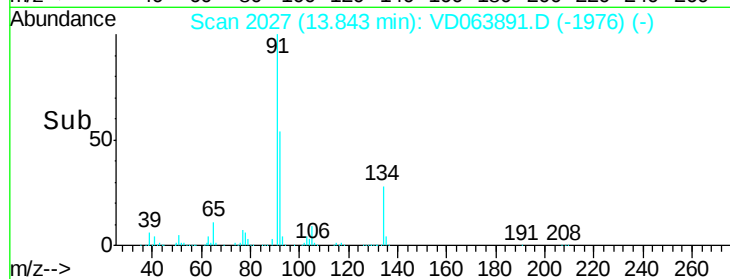
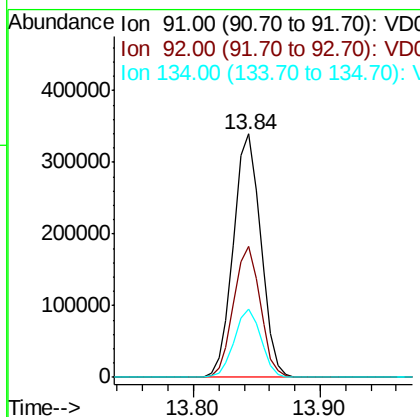
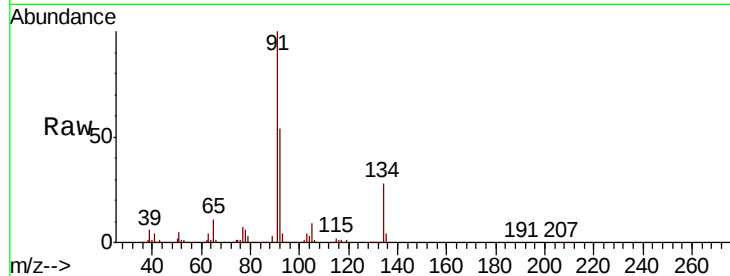
#89
n-Butylbenzene
Concen: 49.452 ug/l
RT: 13.84 min Scan# 2027
Delta R.T. -0.00 min
Lab File: VD063891.D
Acq: 04 Oct 2019 18:06

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.4	26.8	80.3
134	27.3	14.4	43.0

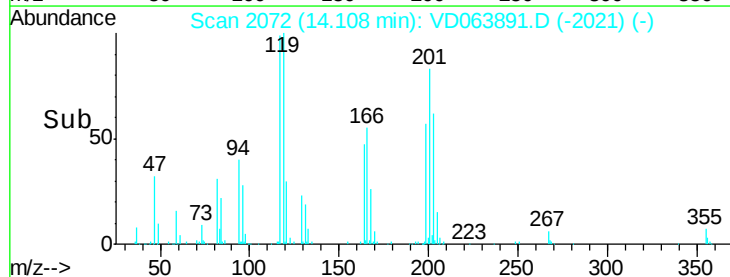
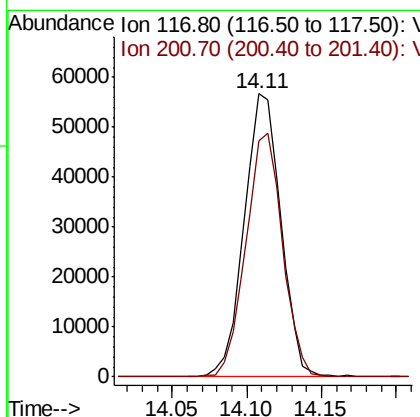
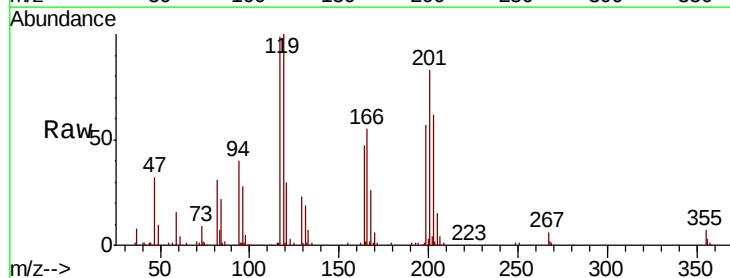
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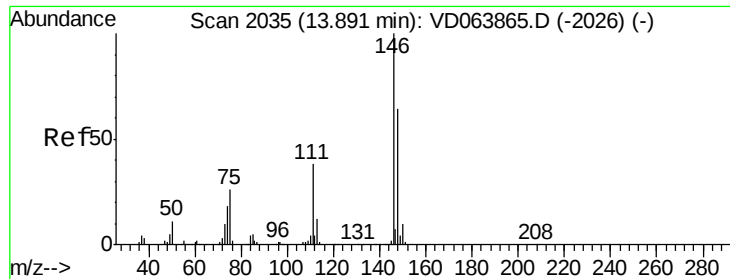
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#90
Hexachloroethane
Concen: 48.333 ug/l
RT: 14.11 min Scan# 2072
Delta R.T. -0.00 min
Lab File: VD063891.D
Acq: 04 Oct 2019 18:06

Tgt Ion	Ratio	Lower	Upper
117	100		
201	86.1	40.6	121.7





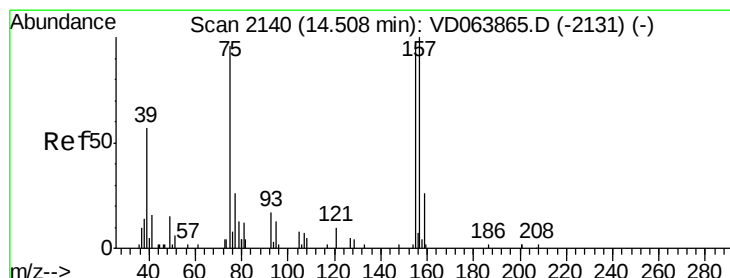
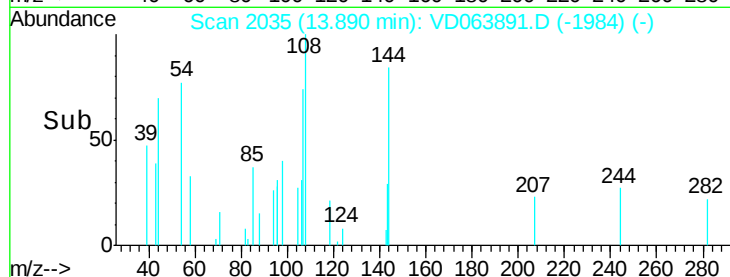
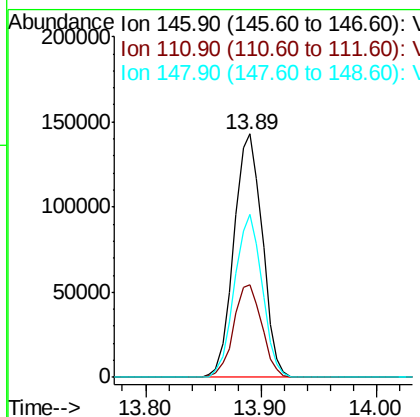
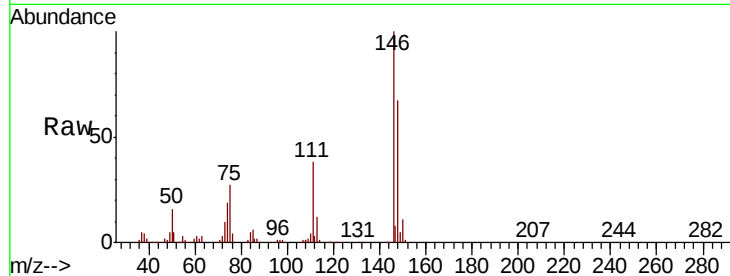
#91
 1,2-Dichlorobenzene
 Concen: 49.289 ug/l
 RT: 13.89 min Scan# 2035
 Delta R.T. -0.00 min
 Lab File: VD063891.D
 Acq: 04 Oct 2019 18:06

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.8	18.6	55.6
148	65.0	31.6	95.0

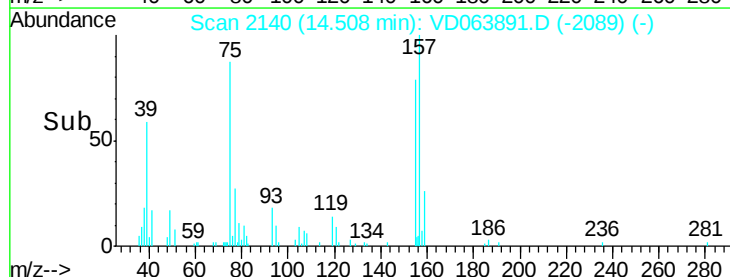
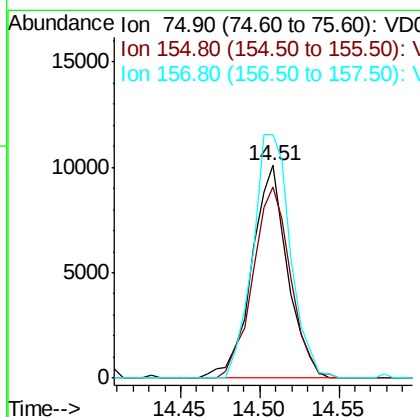
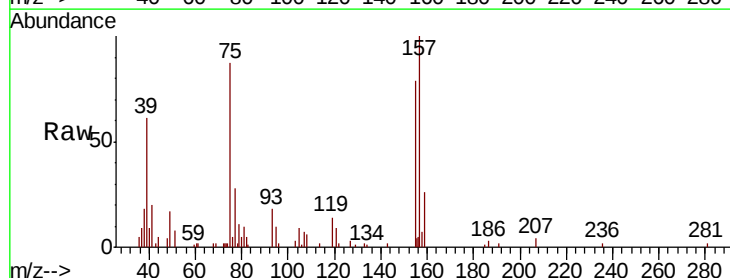
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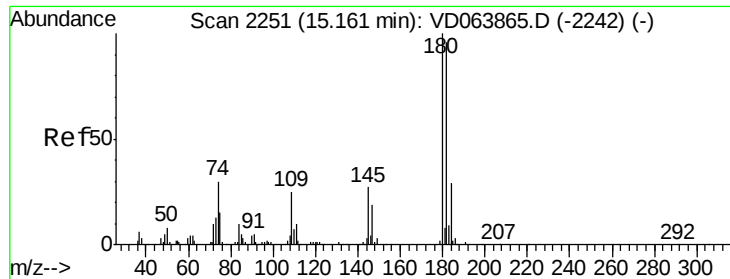
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 10/8/2019 3:11:47 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 50.498 ug/l
 RT: 14.51 min Scan# 2140
 Delta R.T. 0.00 min
 Lab File: VD063891.D
 Acq: 04 Oct 2019 18:06

Tgt Ion	Ratio	Lower	Upper
75	100		
155	94.3	43.9	131.6
157	120.2	56.0	167.9





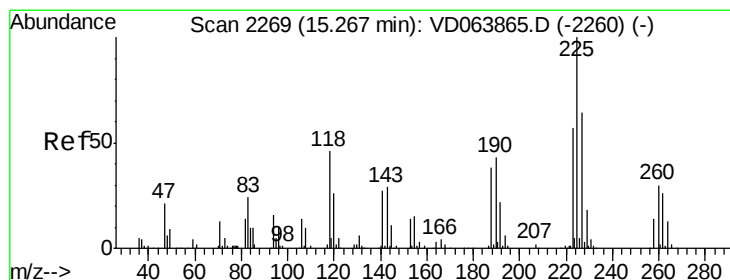
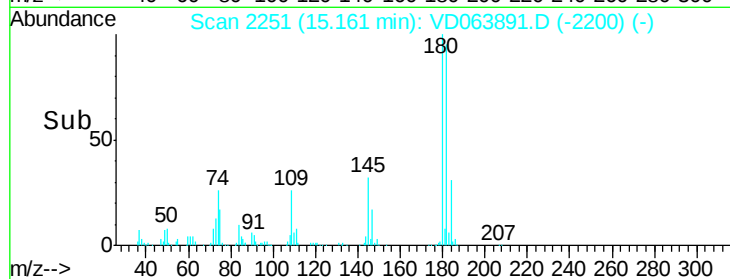
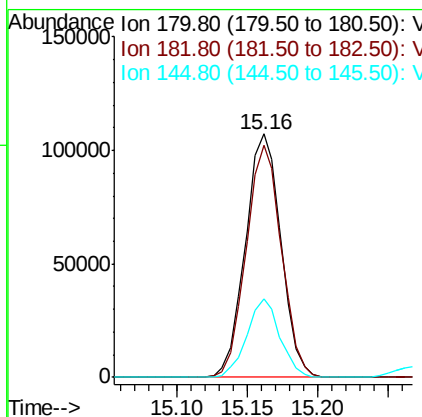
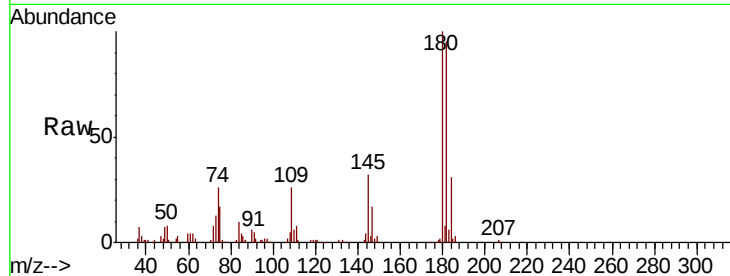
#93
 1,2,4-Trichlorobenzene
 Concen: 49.761 ug/l
 RT: 15.16 min Scan# 2251
 Delta R.T. -0.00 min
 Lab File: VD063891.D
 Acq: 04 Oct 2019 18:06

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	189721		
182	94.4	47.4	142.3	
145	29.9	13.9	41.7	

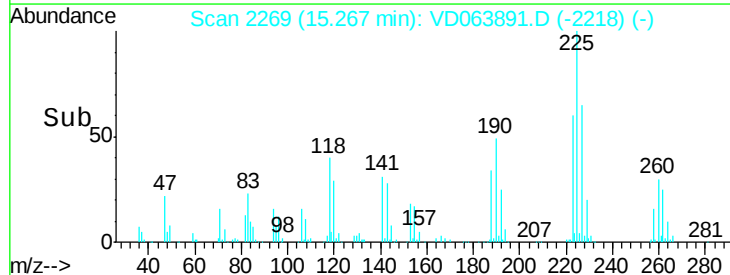
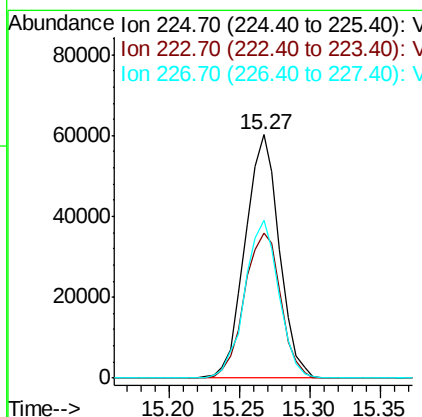
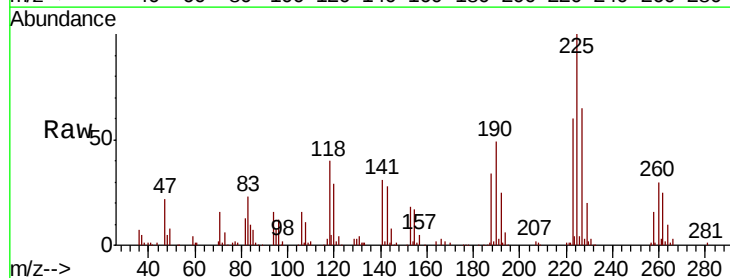
Manual Integrations
 APPROVED

MMDadoda
 10/8/2019 3:11:47 PM



#94
 Hexachlorobutadiene
 Concen: 48.502 ug/l
 RT: 15.27 min Scan# 2269
 Delta R.T. -0.00 min
 Lab File: VD063891.D
 Acq: 04 Oct 2019 18:06

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	102046		
223	63.3	29.5	88.6	
227	64.6	30.8	92.4	





#95

Naphthalene

Concen: 51.155 ug/l

RT: 15.40 min Scan# 2291

Delta R.T. -0.00 min

Lab File: VD063891.D

Acq: 04 Oct 2019 18:06

Instrument :

MSVOA_D

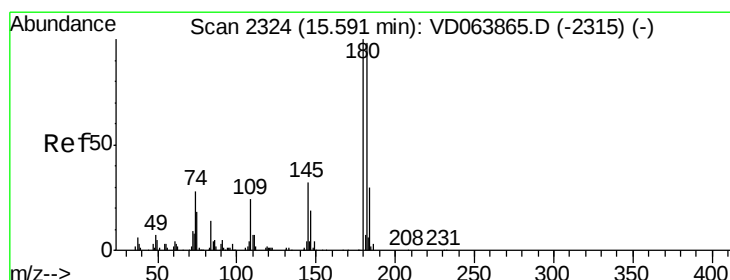
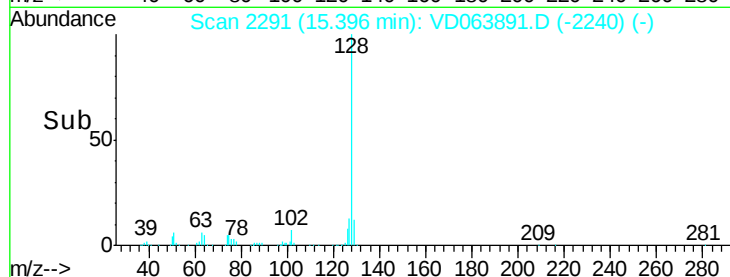
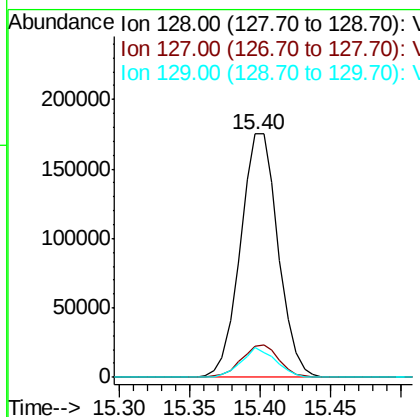
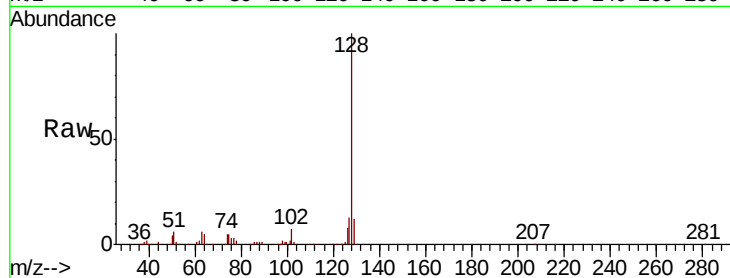
ClientSampleId :

VSTDCCC050EC

Tot Ion:	128	Resp:	327810
Ion Ratio	Lower	Upper	
128	100		
127	13.3	10.6	16.0
129	11.1	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
10/8/2019 3:11:47 PM



#96

1,2,3-Trichlorobenzene

Concen: 50.515 ug/l

RT: 15.59 min Scan# 2324

Delta R.T. -0.00 min

Lab File: VD063891.D

Acq: 04 Oct 2019 18:06

Tgt Ion:	180	Resp:	166170
Ion Ratio	Lower	Upper	
180	100		
182	93.2	47.0	141.0
145	29.4	15.3	45.9

